

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043993.D
 Acq On : 06 Feb 2024 15:51
 Operator : MA/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 07 03:08:45 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	336429	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1468246	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	921491	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	2030929	20.000	ng	0.00
76) Chrysene-d12	21.515	240	2016078	20.000	ng	0.00
86) Perylene-d12	23.921	264	2345650	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	2551376	111.991	ng	0.00
7) Phenol-d6	7.087	99	3361374	99.861	ng	0.00
23) Nitrobenzene-d5	9.092	82	2760090	90.619	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1102642	98.162	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	6228420	92.874	ng	0.00
79) Terphenyl-d14	19.956	244	10412750	99.703	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	50255	5.708	ng	97
3) Pyridine	3.799	79	118587	4.426	ng	97
4) n-Nitrosodimethylamine	3.722	42	53929	4.682	ng	# 85
6) Aniline	7.251	93	176842	5.280	ng	99
8) 2-Chlorophenol	7.481	128	115993	4.586	ng	98
9) Benzaldehyde	7.069	77	118693	3.259	ng	99
10) Phenol	7.110	94	158481	4.735	ng	92
11) bis(2-Chloroethyl)ether	7.357	93	130832	4.988	ng	99
12) 1,3-Dichlorobenzene	7.804	146	134983	4.943	ng	# 93
13) 1,4-Dichlorobenzene	7.957	146	136447	4.940	ng	97
14) 1,2-Dichlorobenzene	8.269	146	133583	4.904	ng	99
15) Benzyl Alcohol	8.169	79	109664	4.753	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.463	45	180237	5.124	ng	97
17) 2-Methylphenol	8.363	107	95595	4.468	ng	98
18) Hexachloroethane	8.992	117	50312	4.854	ng	95
19) n-Nitroso-di-n-propyla...	8.733	70	104179	4.704	ng	99
20) 3+4-Methylphenols	8.692	107	128904	4.269	ng	97
22) Acetophenone	8.751	105	202748	5.096	ng	# 98
24) Nitrobenzene	9.133	77	159593	5.222	ng	100
25) Isophorone	9.657	82	272910	4.813	ng	99
26) 2-Nitrophenol	9.839	139	51560	4.175	ng	95
27) 2,4-Dimethylphenol	9.898	122	84858	5.004	ng	97
28) bis(2-Chloroethoxy)met...	10.151	93	175488	5.068	ng	99
29) 2,4-Dichlorophenol	10.369	162	98775	4.566	ng	96
30) 1,2,4-Trichlorobenzene	10.586	180	122177	5.001	ng	99
31) Naphthalene	10.775	128	403911	4.936	ng	99
32) Benzoic acid	9.963	122	42759	8.657	ng	97
33) 4-Chloroaniline	10.892	127	167724	4.986	ng	98
34) Hexachlorobutadiene	11.051	225	65705	4.931	ng	96
35) Caprolactam	11.663	113	36080	4.068	ng	97
36) 4-Chloro-3-methylphenol	12.010	107	116069	4.382	ng	97
37) 2-Methylnaphthalene	12.386	142	274002	4.801	ng	99
38) 1-Methylnaphthalene	12.604	142	269088	4.723	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	134886	5.161	ng	98
41) Hexachlorocyclopentadiene	12.721	237	48216	5.609	ng	95
43) 2,4,6-Trichlorophenol	12.992	196	76409	4.326	ng	98

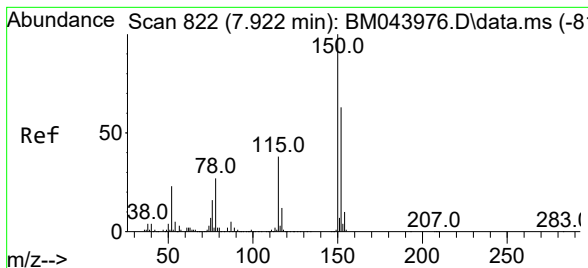
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	89434	4.438	ng	99
46) 1,1'-Biphenyl	13.404	154	373265	5.151	ng	98
47) 2-Chloronaphthalene	13.439	162	284452	4.922	ng	100
48) 2-Nitroaniline	13.651	65	78551	4.179	ng	97
49) Acenaphthylene	14.286	152	460799	5.216	ng	99
50) Dimethylphthalate	14.033	163	356106	4.975	ng	99
51) 2,6-Dinitrotoluene	14.151	165	68364	4.345	ng	98
52) Acenaphthene	14.627	154	273037	4.876	ng	99
53) 3-Nitroaniline	14.480	138	77811	4.260	ng	# 94
54) 2,4-Dinitrophenol	14.686	184	20376	9.314	ng	96
55) Dibenzofuran	14.963	168	444493	5.100	ng	97
56) 4-Nitrophenol	14.780	139	59239	3.711	ng	94
57) 2,4-Dinitrotoluene	14.933	165	82621	3.772	ng	97
58) Fluorene	15.615	166	358035	4.865	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	80224	4.618	ng	98
60) Diethylphthalate	15.398	149	355292	4.795	ng	100
61) 4-Chlorophenyl-phenyle...	15.615	204	171595	4.997	ng	100
62) 4-Nitroaniline	15.639	138	77543	3.883	ng	94
63) Azobenzene	15.910	77	355920	4.809	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	32904	8.483	ng	91
66) n-Nitrosodiphenylamine	15.827	169	303137	5.011	ng	98
67) 4-Bromophenyl-phenylether	16.509	248	71457	3.572	ng	97
68) Hexachlorobenzene	16.609	284	114266	4.790	ng	97
69) Atrazine	16.786	200	97225	5.809	ng	99
70) Pentachlorophenol	16.956	266	54884	3.504	ng	98
71) Phenanthrene	17.356	178	576370	5.095	ng	100
72) Anthracene	17.451	178	543851	4.911	ng	99
73) Carbazole	17.727	167	533829	4.654	ng	99
74) Di-n-butylphthalate	18.303	149	594145	4.723	ng	100
75) Fluoranthene	19.374	202	648282	4.634	ng	99
77) Benzidine	19.574	184	165213	6.459	ng	98
78) Pyrene	19.739	202	689969	4.979	ng	98
80) Butylbenzylphthalate	20.662	149	260344	4.744	ng	97
81) Benzo(a)anthracene	21.497	228	727198	5.141	ng	98
82) 3,3'-Dichlorobenzidine	21.439	252	214566	4.744	ng	99
83) Chrysene	21.550	228	699074	5.159	ng	98
84) Bis(2-ethylhexyl)phtha...	21.450	149	388353	4.759	ng	100
85) Di-n-octyl phthalate	22.391	149	645822	4.594	ng	99
87) Indeno(1,2,3-cd)pyrene	26.415	276	805266	4.588	ng	98
88) Benzo(b)fluoranthene	23.186	252	736896	4.994	ng	100
89) Benzo(k)fluoranthene	23.238	252	669416	4.729	ng	99
90) Benzo(a)pyrene	23.815	252	608932	4.669	ng	99
91) Dibenzo(a,h)anthracene	26.444	278	684570	4.729	ng	98
92) Benzo(g,h,i)perylene	27.179	276	667383	4.520	ng	99

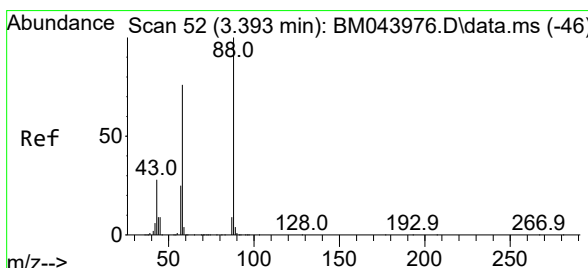
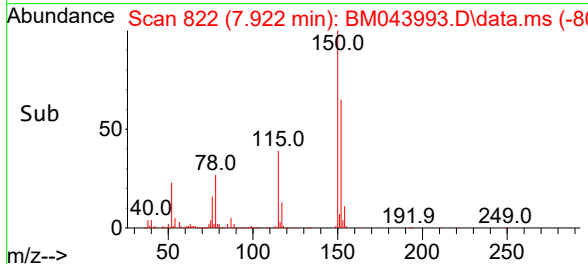
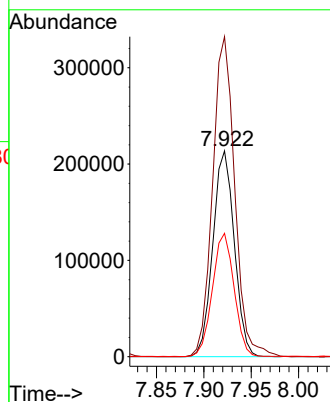
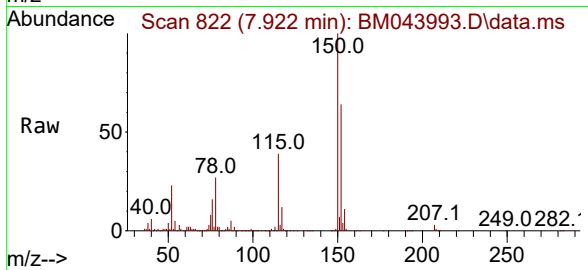
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM043993.D
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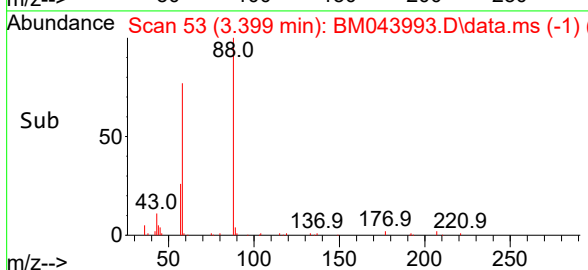
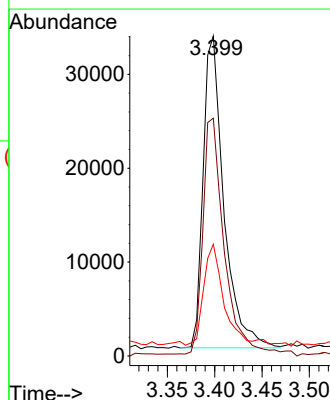
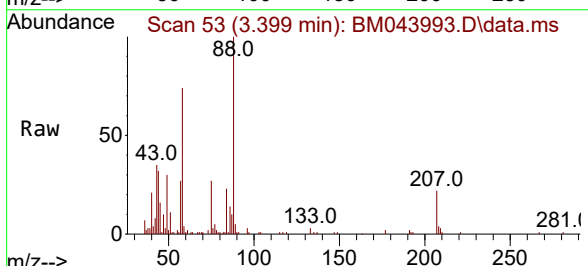
Instrument :
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 LOQ-SOIL-02-QT1-2024

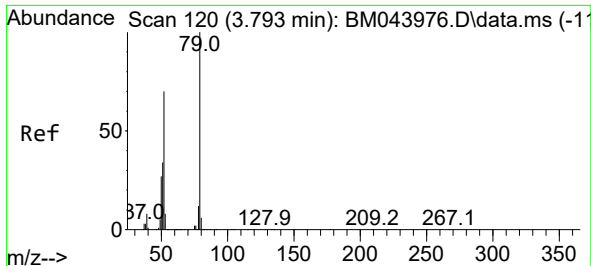
Tgt Ion:152 Resp: 336429
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.1 189.1
 115 59.9 48.2 72.2



#2
 1,4-Dioxane
 Concen: 5.708 ng
 RT: 3.399 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM043993.D
 Acq: 06 Feb 2024 15:51

Tgt Ion: 88 Resp: 50255
 Ion Ratio Lower Upper
 88 100
 58 78.2 61.0 91.6
 43 30.9 23.0 34.6

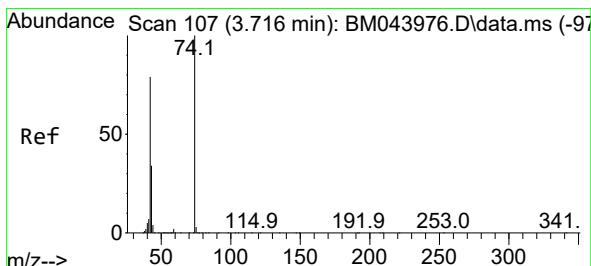
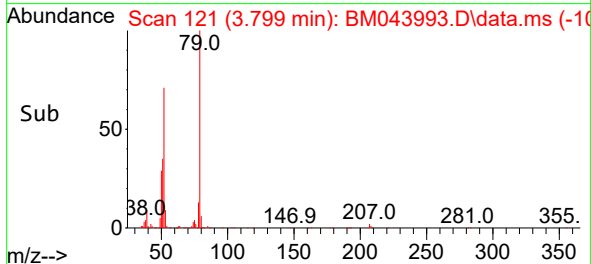
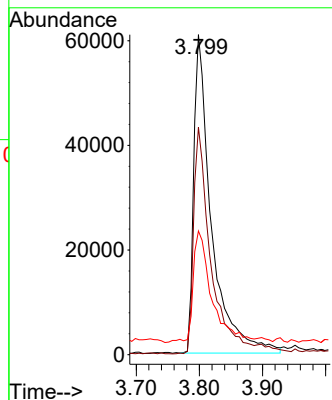
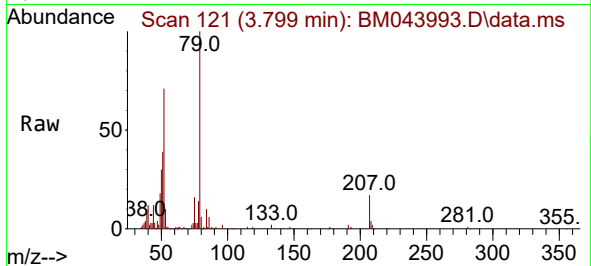




#3
Pyridine
Concen: 4.426 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

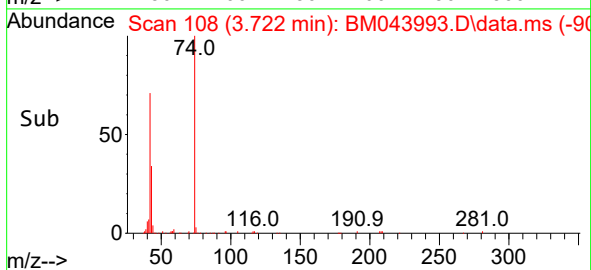
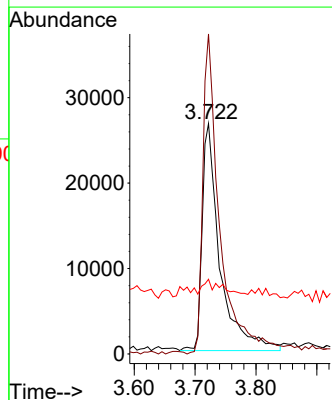
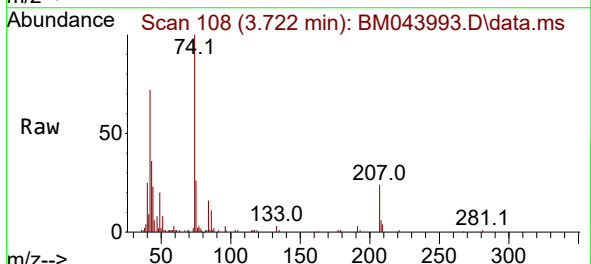
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ClientSampleId :
LOQ-SOIL-02-QT1-2024

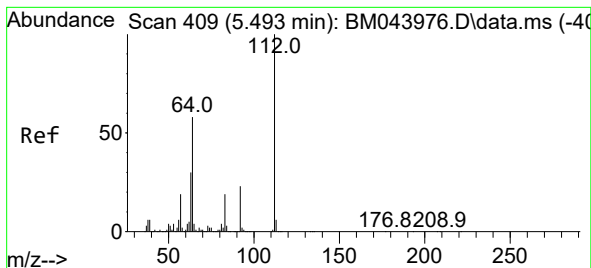
Tgt Ion: 79 Resp: 118587
Ion Ratio Lower Upper
79 100
52 71.1 55.9 83.9
51 38.7 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 4.682 ng
RT: 3.722 min Scan# 108
Delta R.T. 0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion: 42 Resp: 53929
Ion Ratio Lower Upper
42 100
74 138.8 100.7 151.1
44 32.4 7.3 10.9#

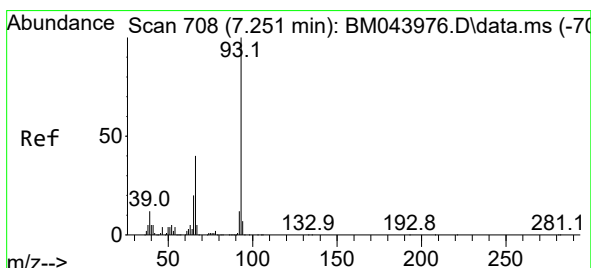
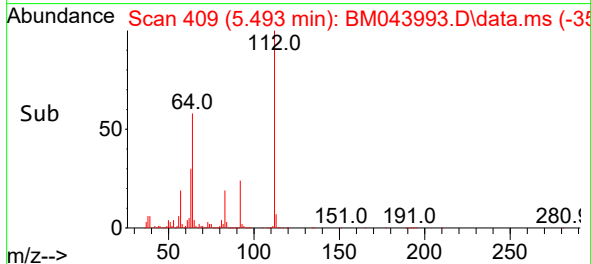
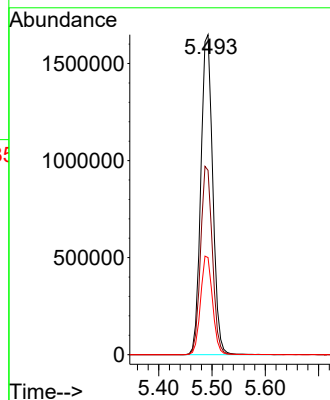
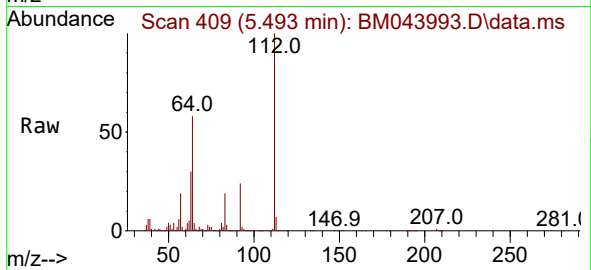




#5
2-Fluorophenol
Concen: 111.991 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

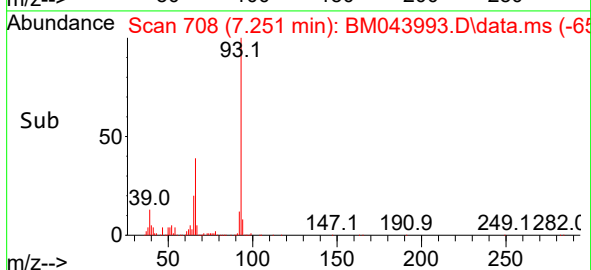
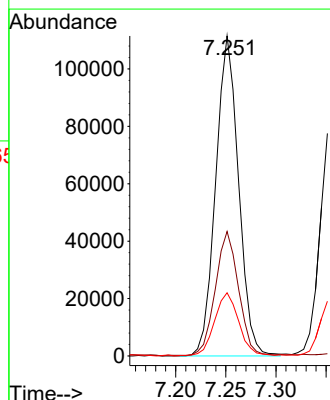
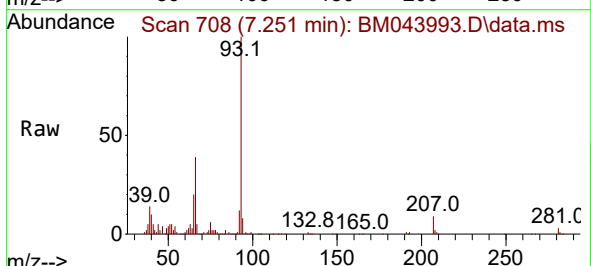
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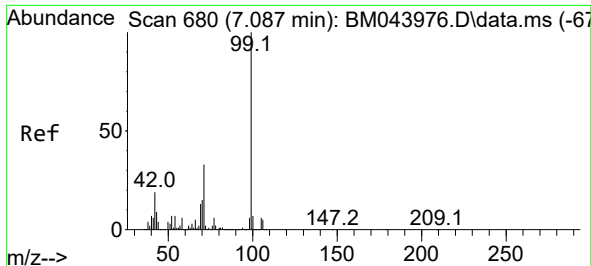
Tgt Ion:112 Resp: 2551376
Ion Ratio Lower Upper
112 100
64 57.6 46.6 70.0
63 30.3 24.2 36.4



#6
Aniline
Concen: 5.280 ng
RT: 7.251 min Scan# 708
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion: 93 Resp: 176842
Ion Ratio Lower Upper
93 100
66 38.9 32.2 48.2
65 19.7 15.8 23.8

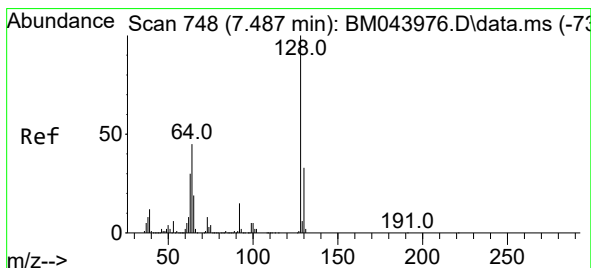
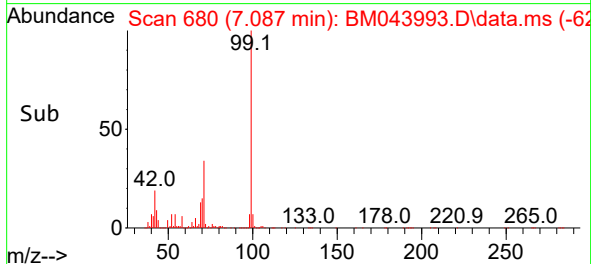
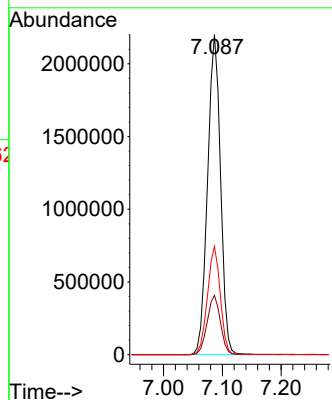
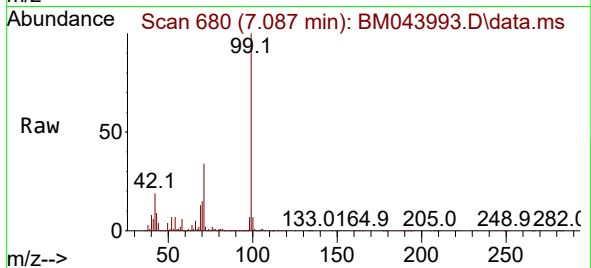




#7
Phenol-d6
Concen: 99.861 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

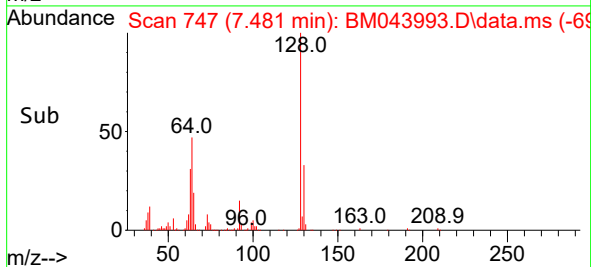
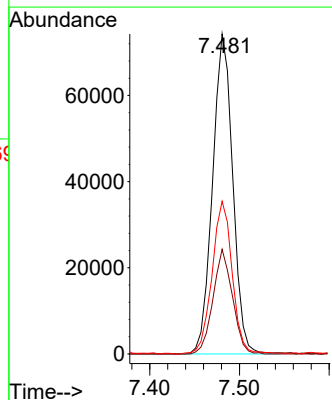
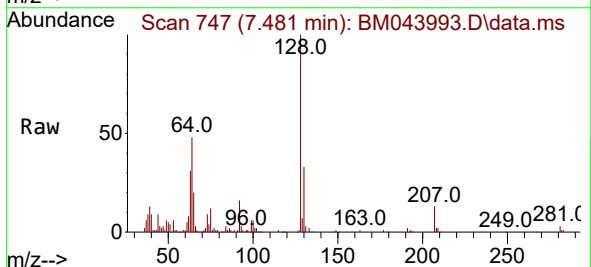
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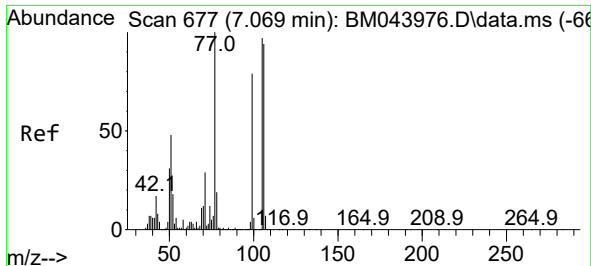
Tgt Ion: 99 Resp: 3361374
Ion Ratio Lower Upper
99 100
42 18.5 14.9 22.3
71 33.9 26.3 39.5



#8
2-Chlorophenol
Concen: 4.586 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:128 Resp: 115993
Ion Ratio Lower Upper
128 100
130 32.7 12.9 52.9
64 47.7 25.6 65.6

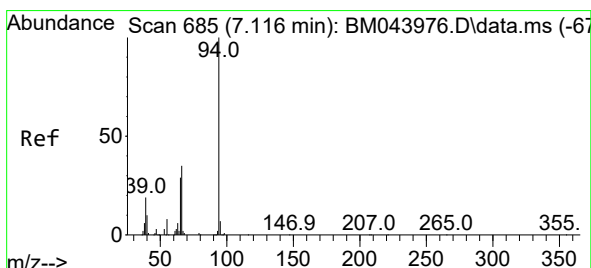
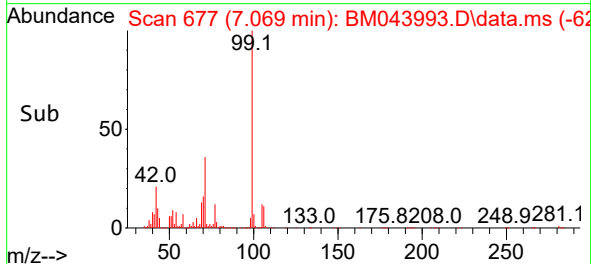
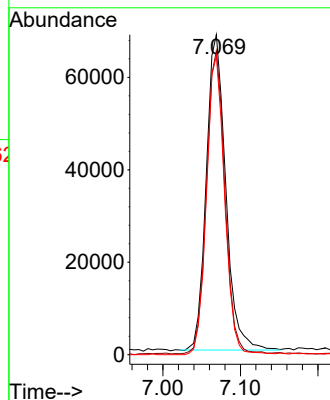
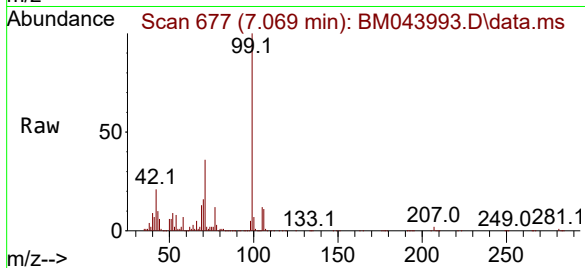




#9
Benzaldehyde
Concen: 3.259 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

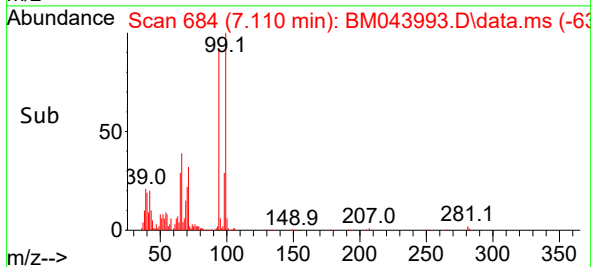
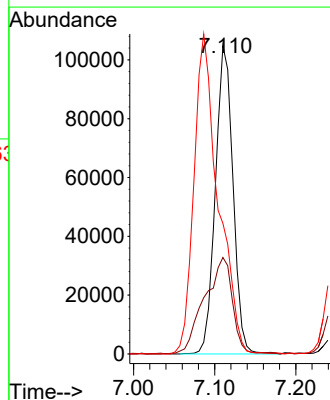
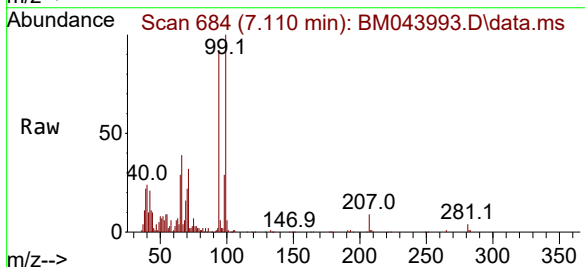
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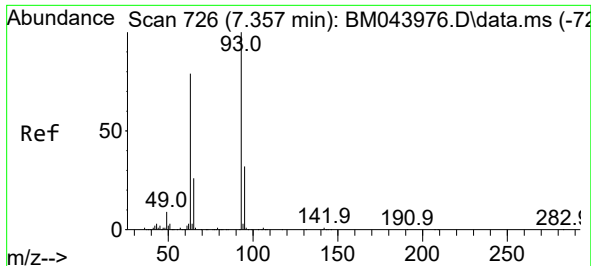
Tgt Ion: 77 Resp: 118693
Ion Ratio Lower Upper
77 100
105 94.8 77.4 117.4
106 93.4 73.5 113.5



#10
Phenol
Concen: 4.735 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion: 94 Resp: 158481
Ion Ratio Lower Upper
94 100
65 31.3 9.3 49.3
66 42.3 15.7 55.7

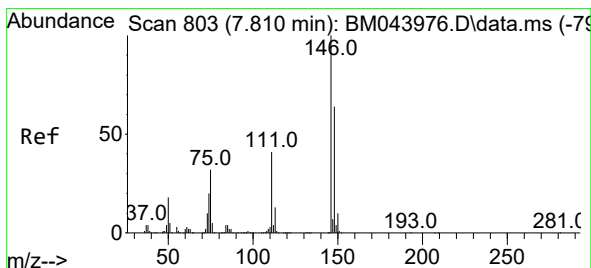
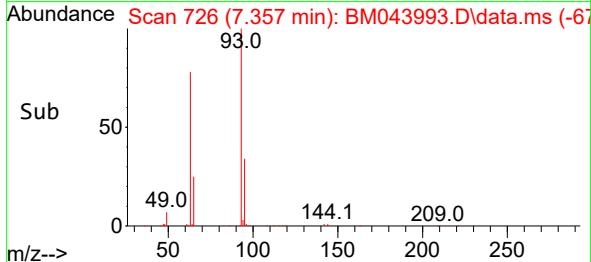
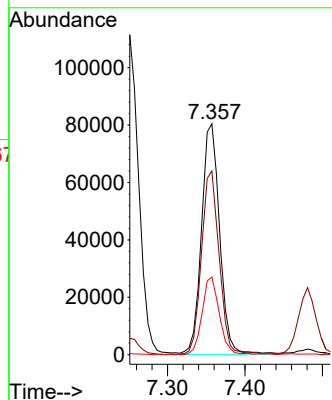
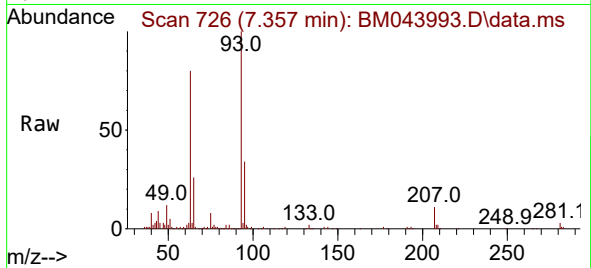




#11
bis(2-Chloroethyl)ether
Concen: 4.988 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

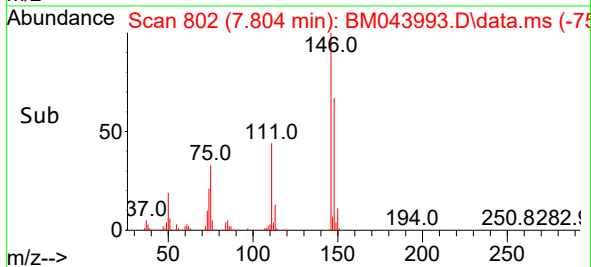
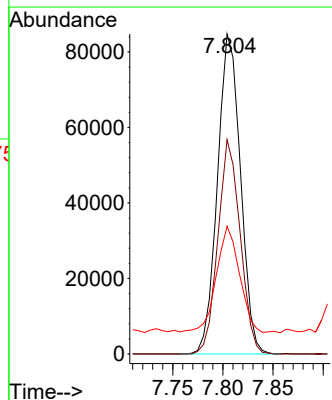
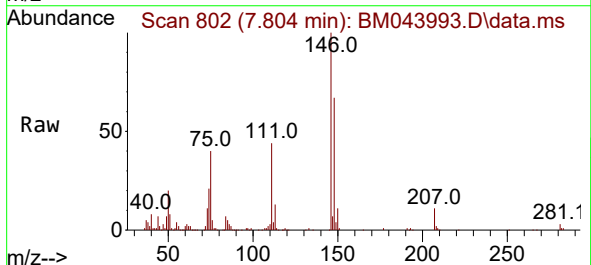
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

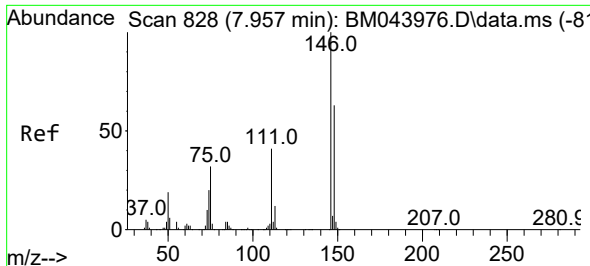
Tgt Ion: 93 Resp: 130832
Ion Ratio Lower Upper
93 100
63 79.6 59.0 99.0
95 33.6 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 4.943 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:146 Resp: 134983
Ion Ratio Lower Upper
146 100
148 66.9 51.0 76.6
75 39.9 26.1 39.1#

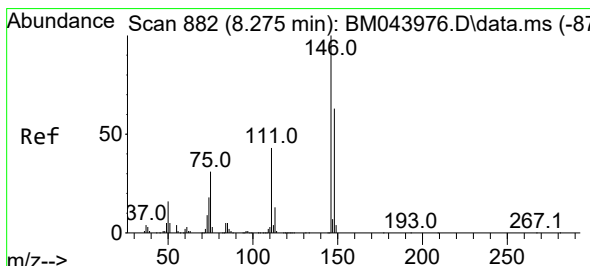
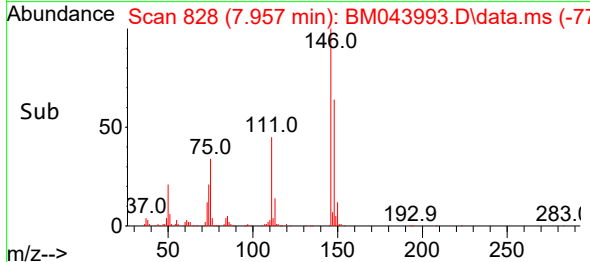
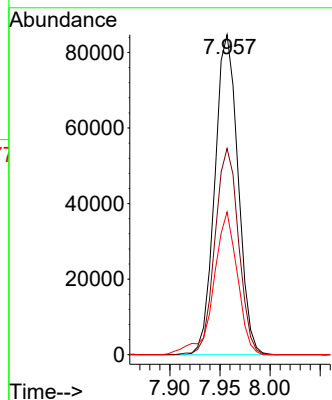
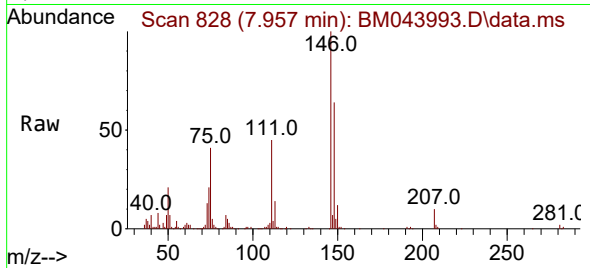




#13
1,4-Dichlorobenzene
Concen: 4.940 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

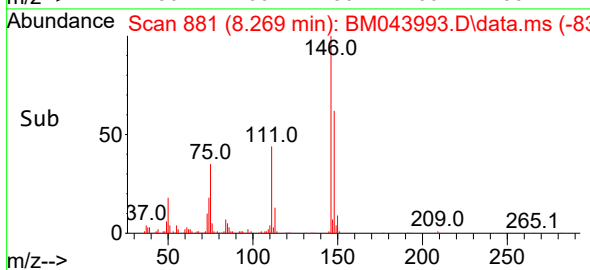
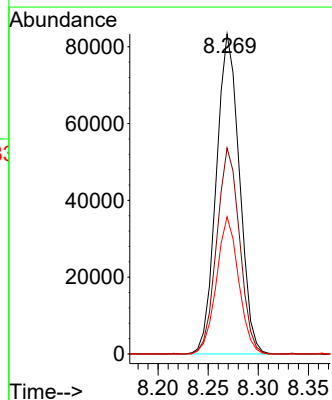
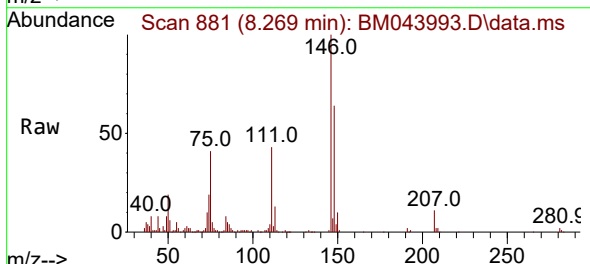
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

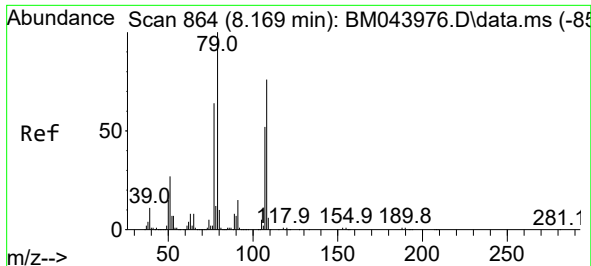
Tgt Ion:146 Resp: 136447
Ion Ratio Lower Upper
146 100
148 64.4 50.7 76.1
111 44.6 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 4.904 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:146 Resp: 133583
Ion Ratio Lower Upper
146 100
148 64.4 50.3 75.5
111 42.9 34.3 51.5

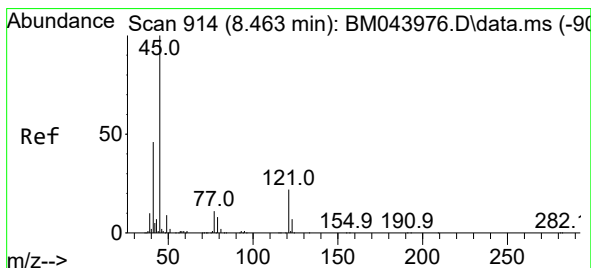
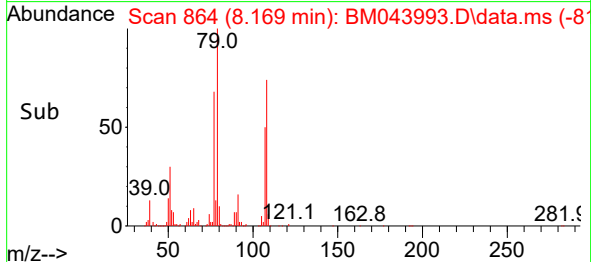
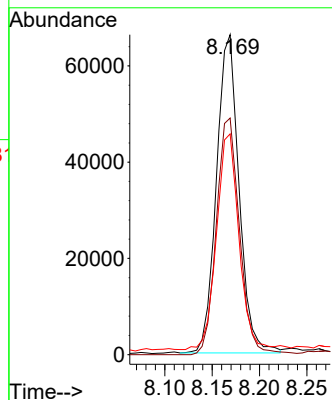
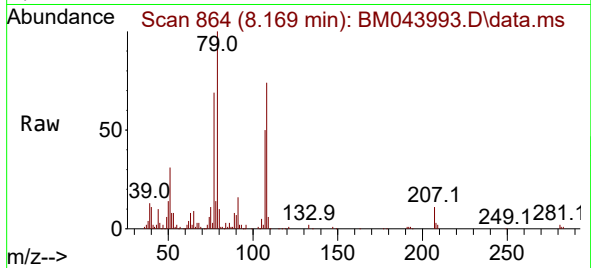




#15
Benzyl Alcohol
Concen: 4.753 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

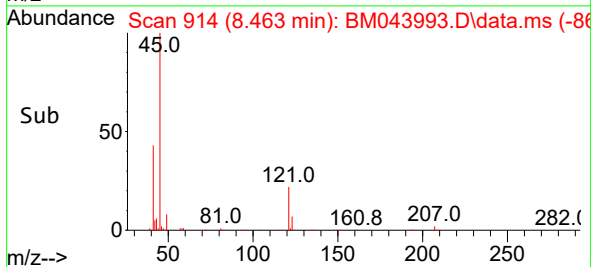
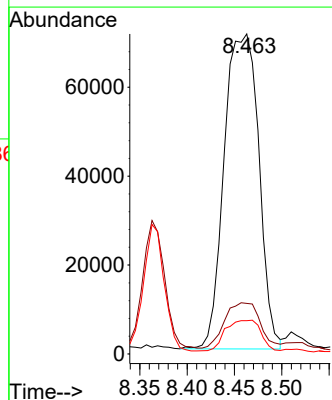
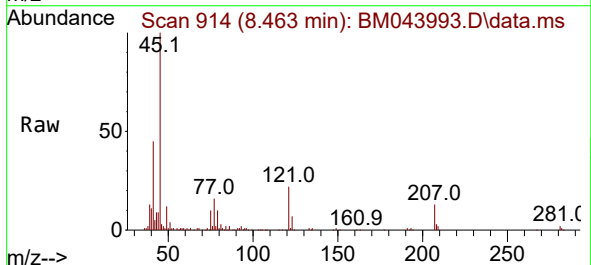
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

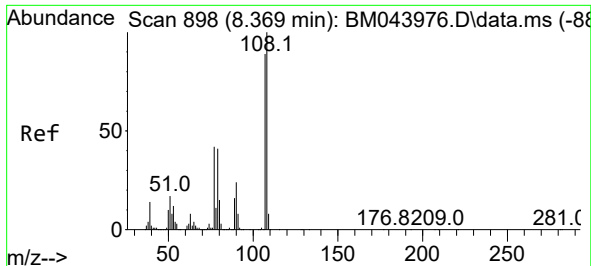
Tgt Ion: 79 Resp: 109664
Ion Ratio Lower Upper
79 100
108 74.0 60.7 91.1
77 69.0 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.124 ng
RT: 8.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion: 45 Resp: 180237
Ion Ratio Lower Upper
45 100
77 15.8 0.0 34.4
79 10.4 0.0 31.2

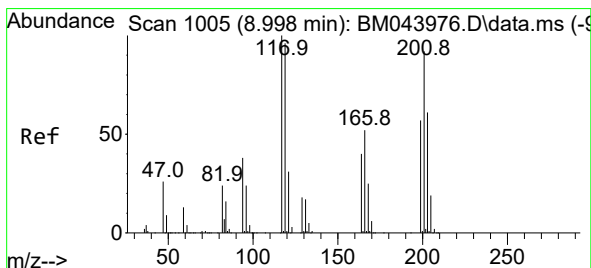
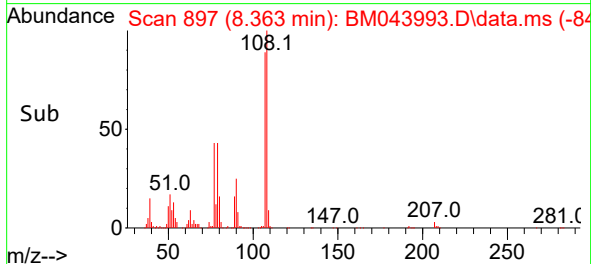
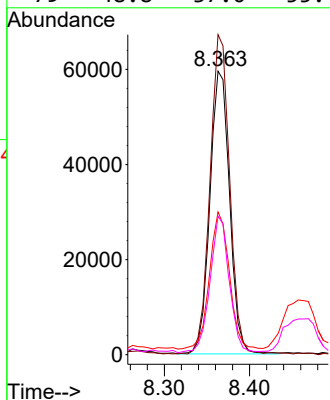
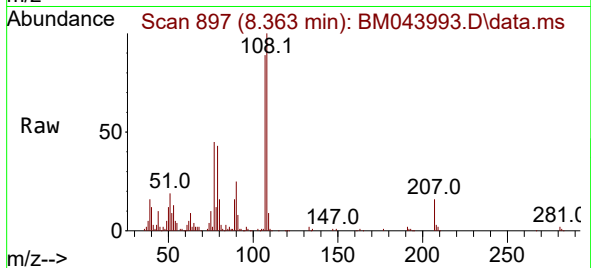




#17
2-Methylphenol
Concen: 4.468 ng
RT: 8.363 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

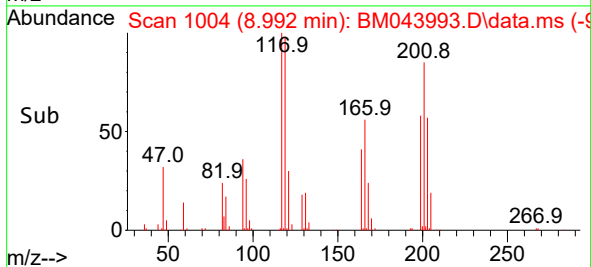
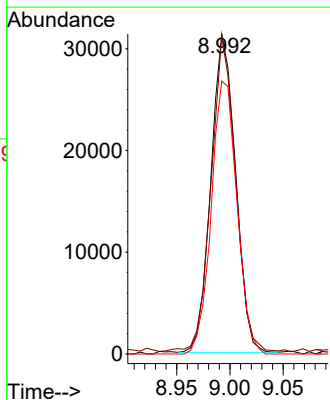
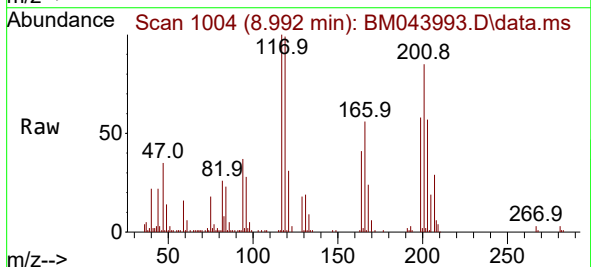
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

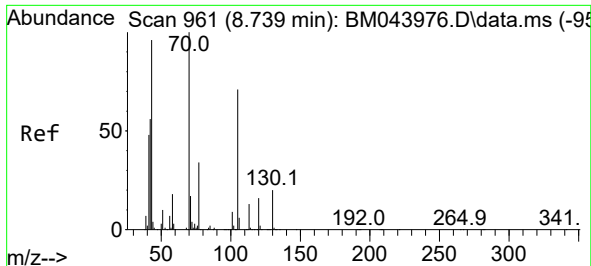
Tgt Ion:	107	Resp:	95595
Ion Ratio	Lower	Upper	
107	100		
108	112.8	90.4	135.6
77	50.3	38.0	57.0
79	48.8	37.0	55.4



#18
Hexachloroethane
Concen: 4.854 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:	117	Resp:	50312
Ion Ratio	Lower	Upper	
117	100		
119	99.1	76.7	115.1
201	85.2	73.4	110.2

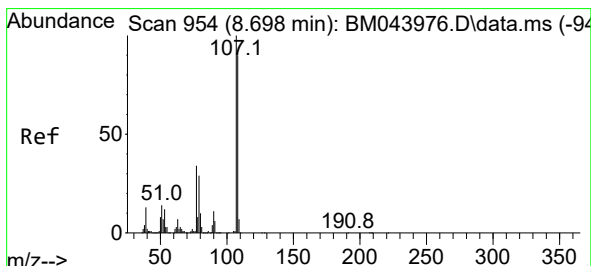
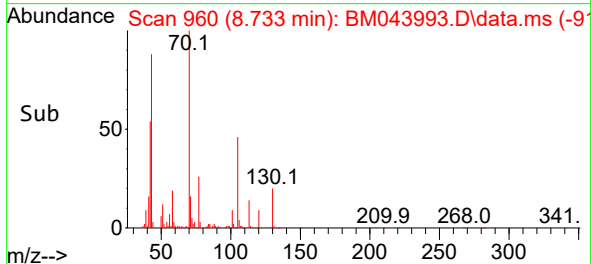
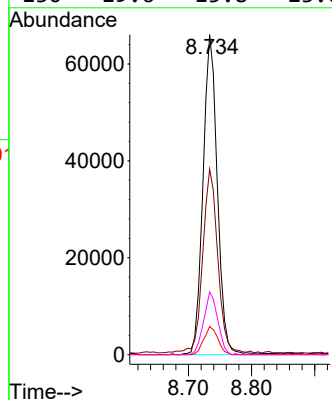
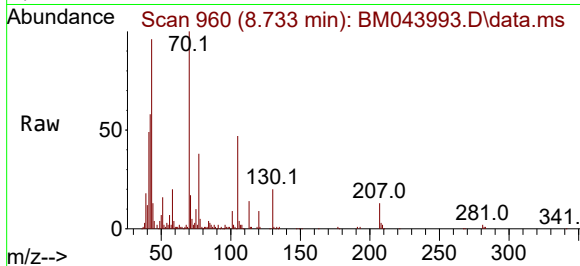




#19
n-Nitroso-di-n-propylamine
Concen: 4.704 ng
RT: 8.733 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

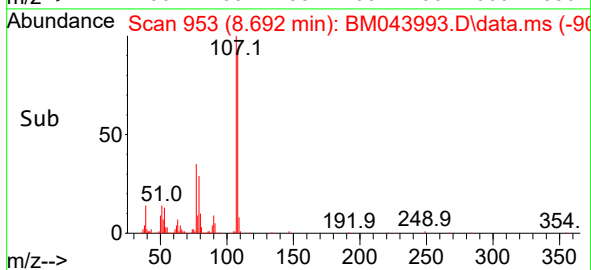
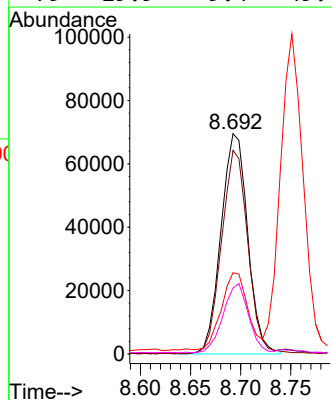
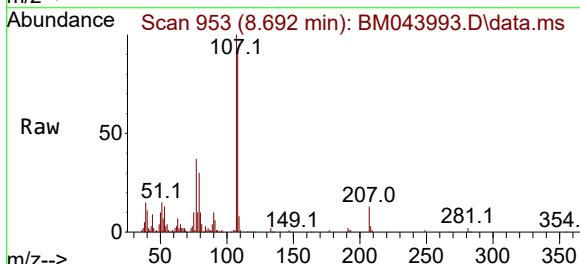
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

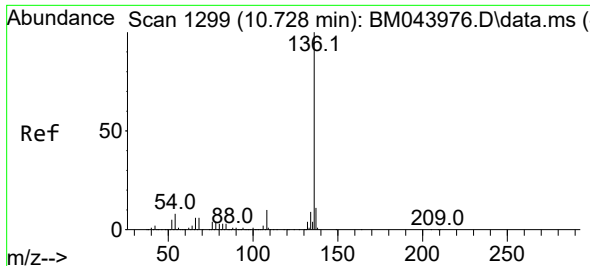
Tgt Ion: 70 Resp: 104179
Ion Ratio Lower Upper
70 100
42 58.0 45.6 68.4
101 8.8 7.5 11.3
130 19.6 15.8 23.6



#20
3+4-Methylphenols
Concen: 4.269 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion: 107 Resp: 128904
Ion Ratio Lower Upper
107 100
108 92.3 70.3 110.3
77 36.9 14.0 54.0
79 29.9 9.4 49.4

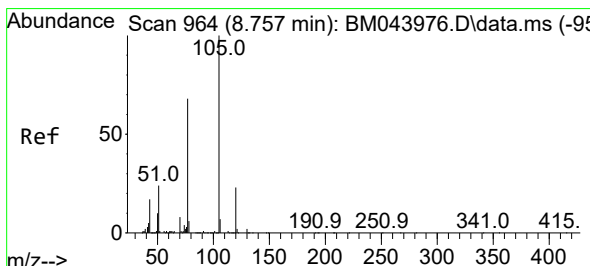
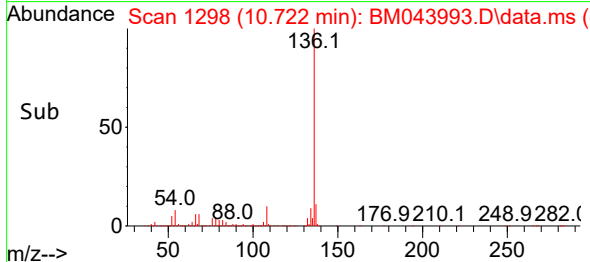
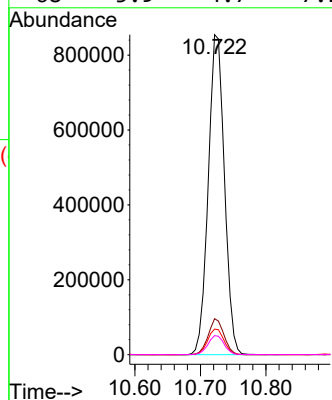
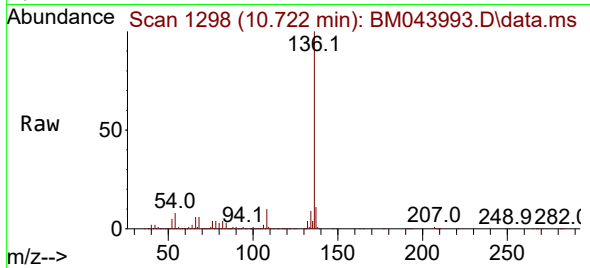




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

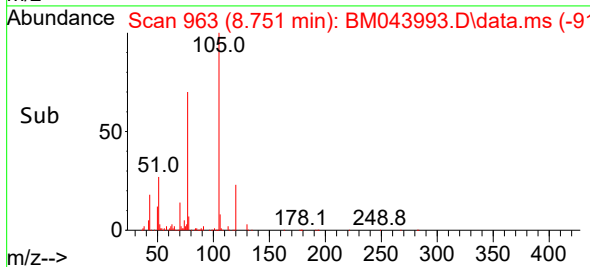
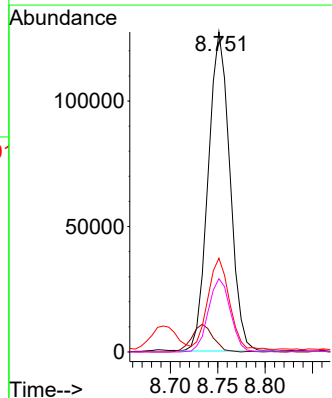
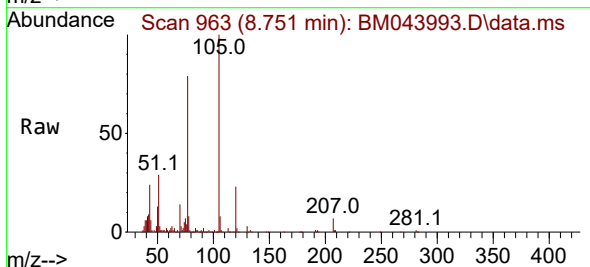
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

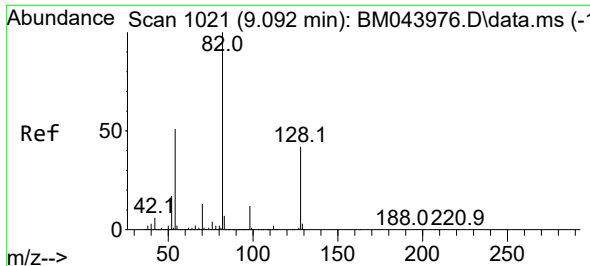
Tgt Ion:136 Resp: 1468246
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 6.5 9.7
68 5.9 4.7 7.1



#22
Acetophenone
Concen: 5.096 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:105 Resp: 202748
Ion Ratio Lower Upper
105 100
71 2.5 1.6 2.4#
51 29.3 21.8 32.6
120 22.9 18.5 27.7

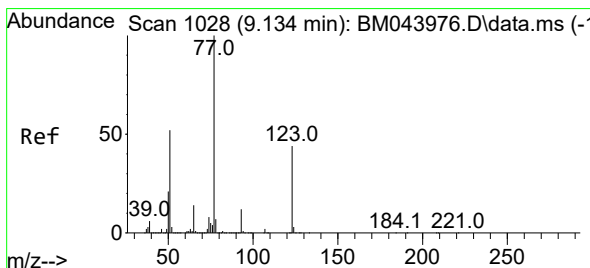
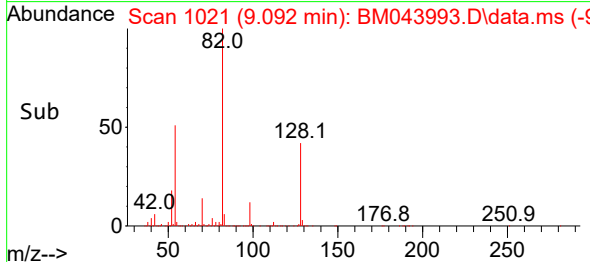
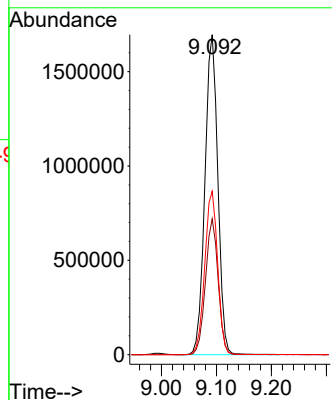
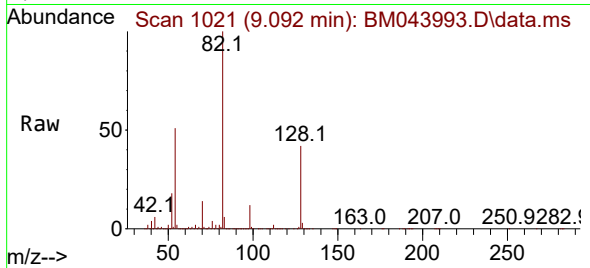




#23
Nitrobenzene-d5
Concen: 90.619 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

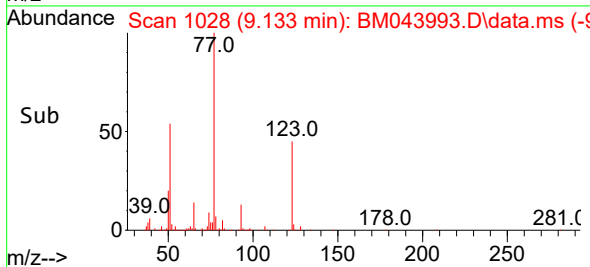
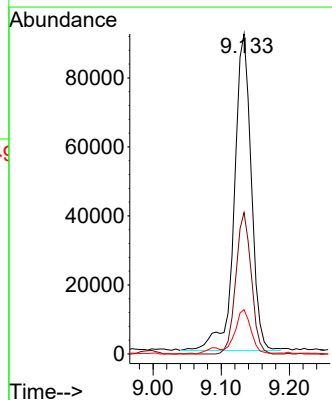
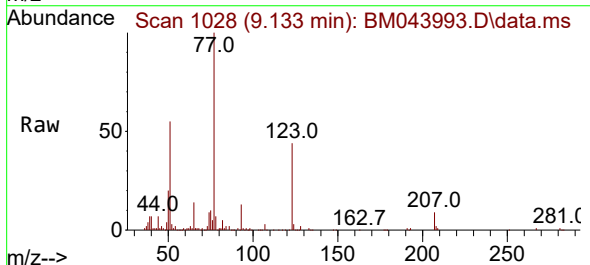
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

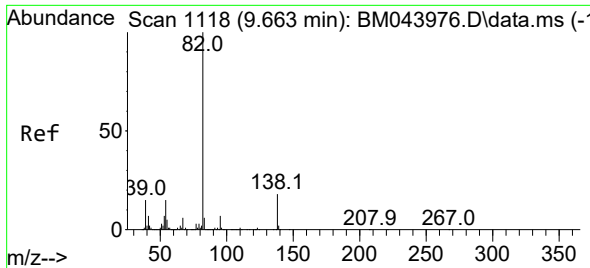
Tgt Ion: 82 Resp: 2760090
Ion Ratio Lower Upper
82 100
128 42.5 33.9 50.9
54 51.1 41.1 61.7



#24
Nitrobenzene
Concen: 5.222 ng
RT: 9.133 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion: 77 Resp: 159593
Ion Ratio Lower Upper
77 100
123 44.2 35.3 52.9
65 13.8 10.9 16.3

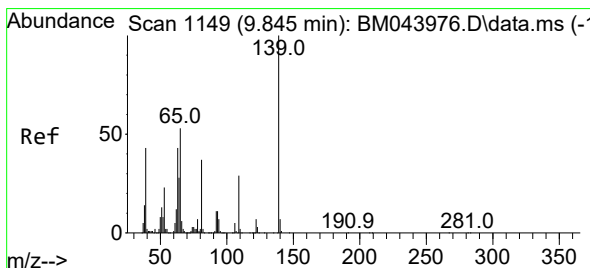
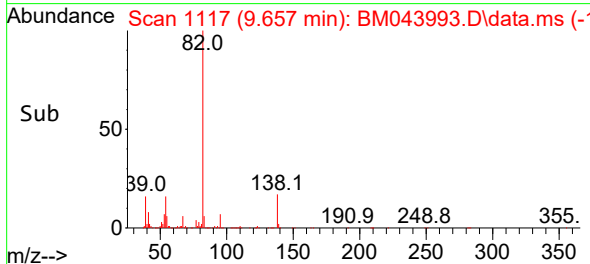
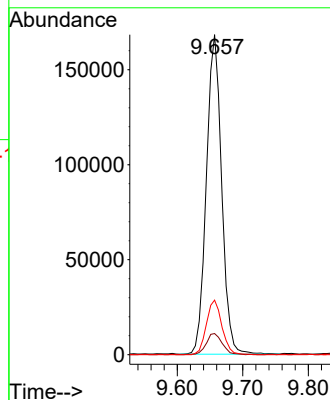
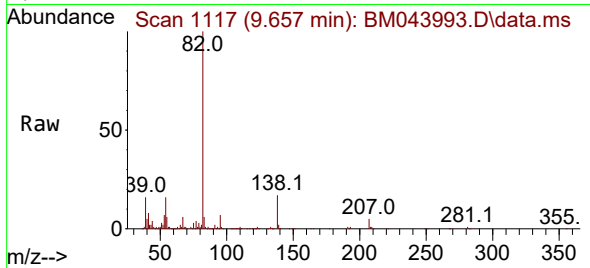




#25
Isophorone
Concen: 4.813 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

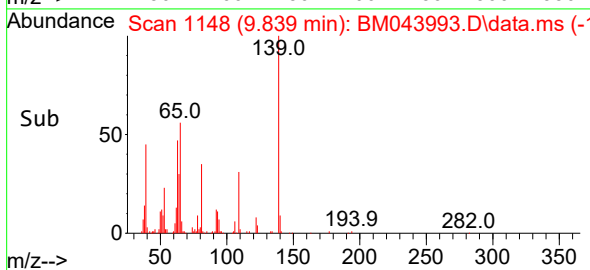
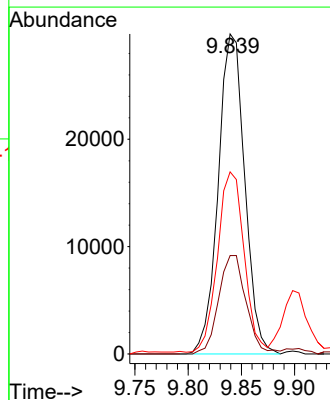
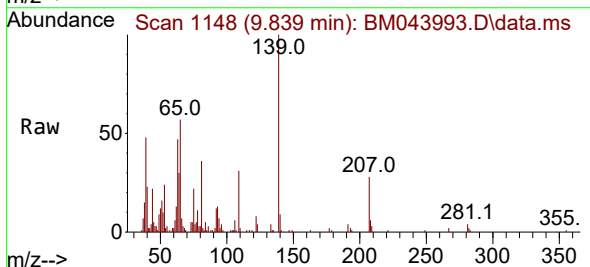
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

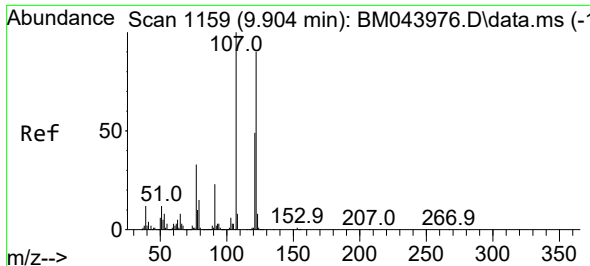
Tgt Ion: 82 Resp: 272910
Ion Ratio Lower Upper
82 100
95 6.6 5.6 8.4
138 17.1 14.2 21.2



#26
2-Nitrophenol
Concen: 4.175 ng
RT: 9.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:139 Resp: 51560
Ion Ratio Lower Upper
139 100
109 30.8 23.3 34.9
65 56.9 42.5 63.7





#27

2,4-Dimethylphenol

Concen: 5.004 ng

RT: 9.898 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

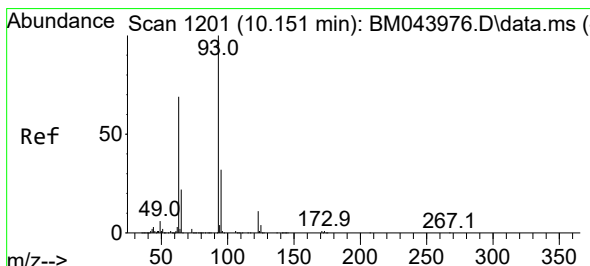
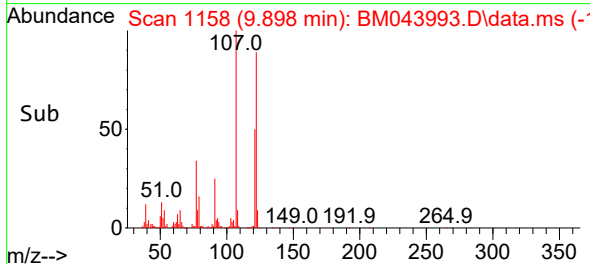
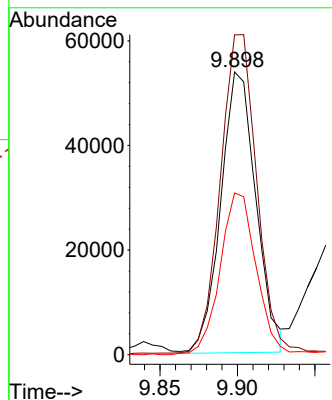
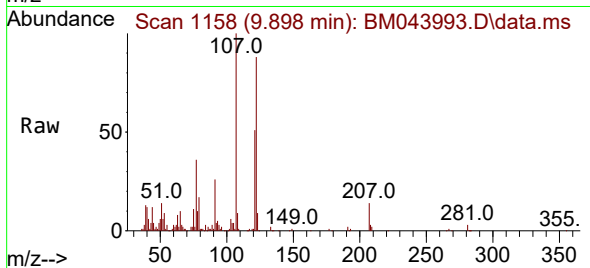
Tgt Ion:122 Resp: 84858

Ion Ratio Lower Upper

122 100

107 113.1 89.0 133.4

121 57.2 43.4 65.0



#28

bis(2-Chloroethoxy)methane

Concen: 5.068 ng

RT: 10.151 min Scan# 1201

Delta R.T. -0.000 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

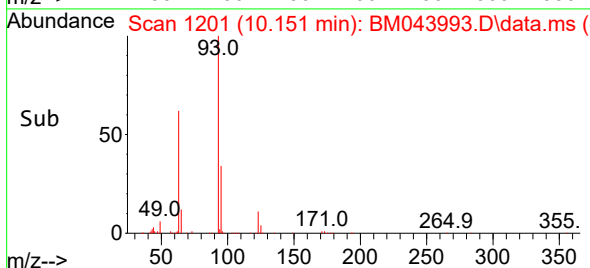
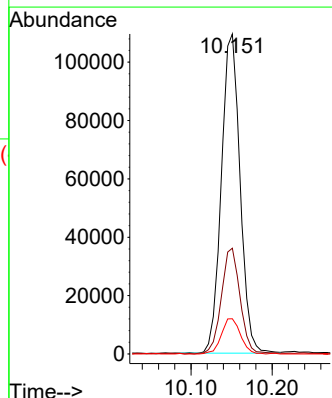
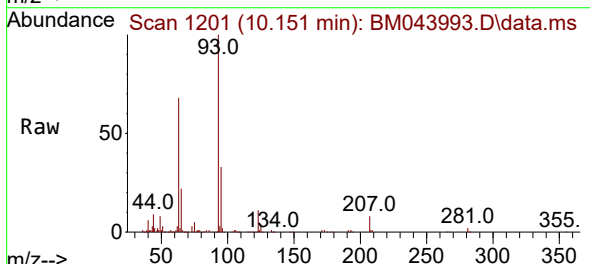
Tgt Ion: 93 Resp: 175488

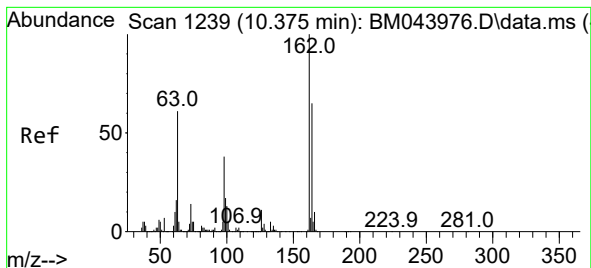
Ion Ratio Lower Upper

93 100

95 33.1 25.9 38.9

123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 4.566 ng

RT: 10.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

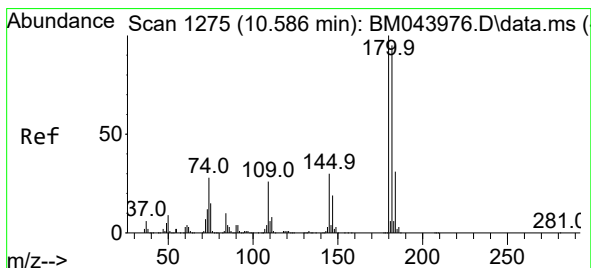
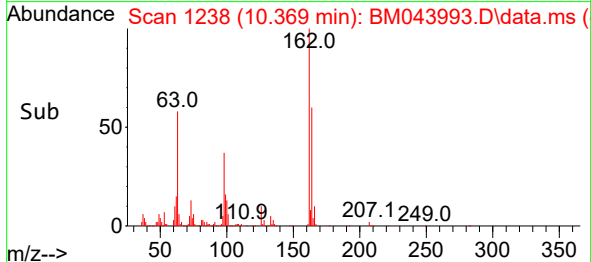
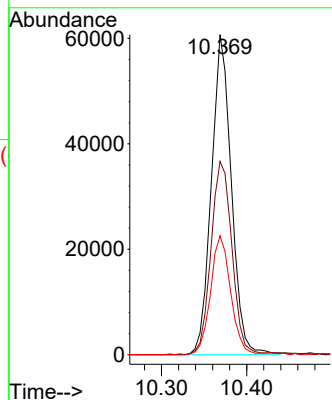
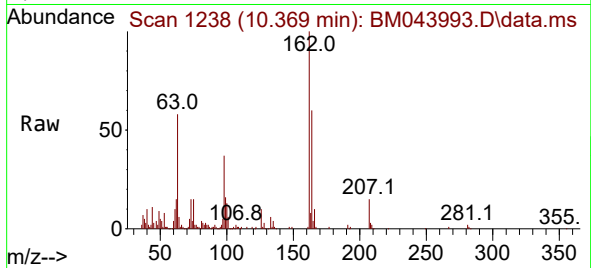
Tgt Ion:162 Resp: 98775

Ion Ratio Lower Upper

162 100

164 60.4 45.1 85.1

98 37.2 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 5.001 ng

RT: 10.586 min Scan# 1275

Delta R.T. -0.000 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

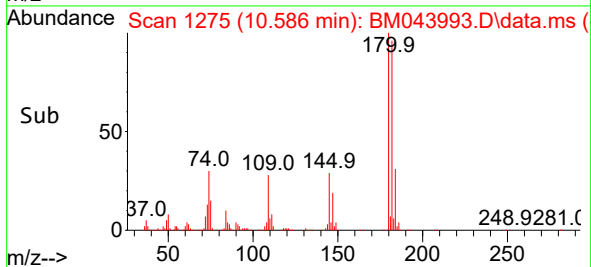
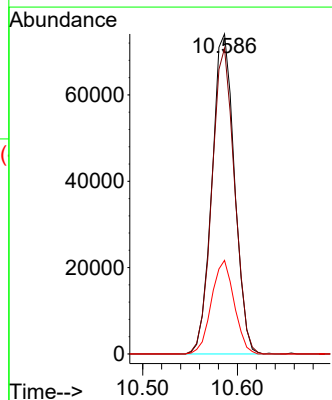
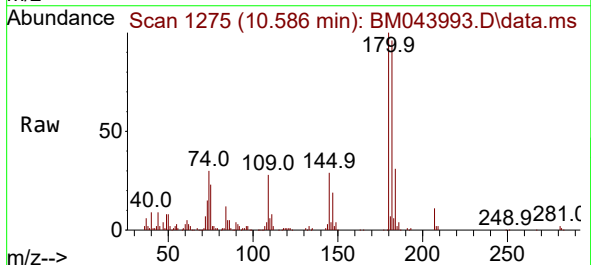
Tgt Ion:180 Resp: 122177

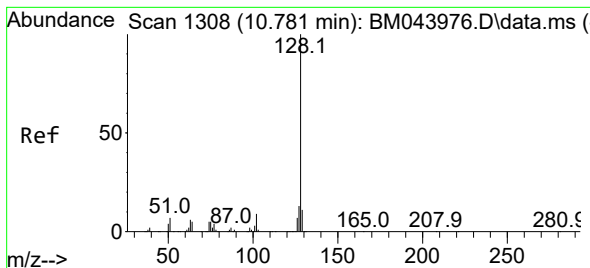
Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 29.3 24.2 36.2





#31

Naphthalene

Concen: 4.936 ng

RT: 10.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

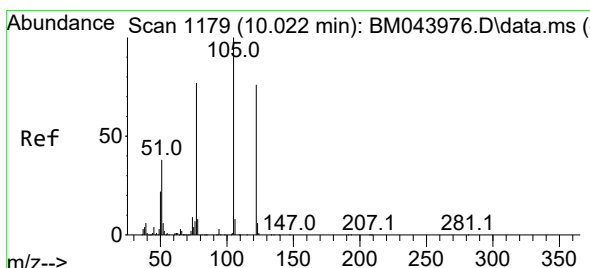
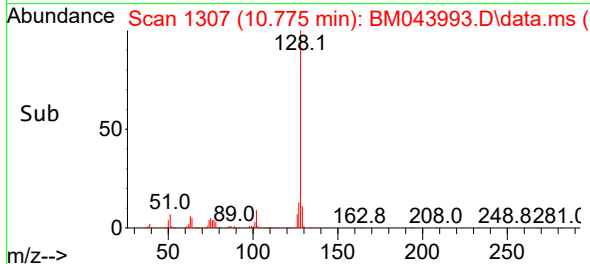
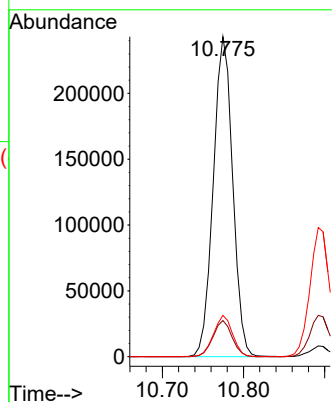
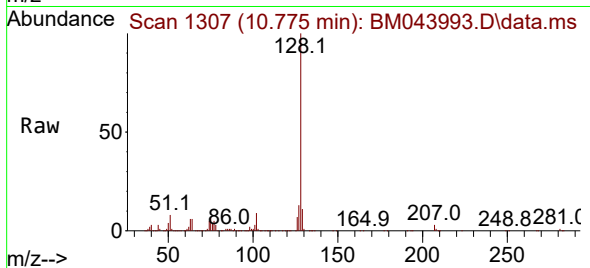
Tgt Ion:128 Resp: 403911

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

127 12.9 10.1 15.1



#32

Benzoic acid

Concen: 8.657 ng

RT: 9.963 min Scan# 1169

Delta R.T. -0.059 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

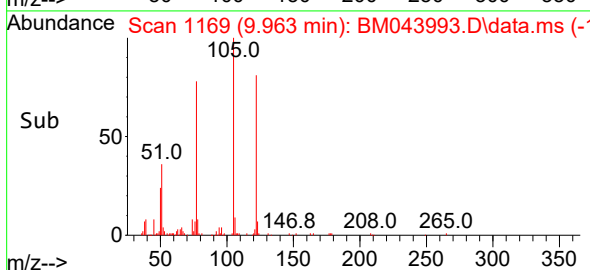
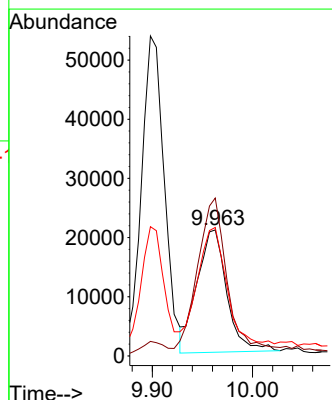
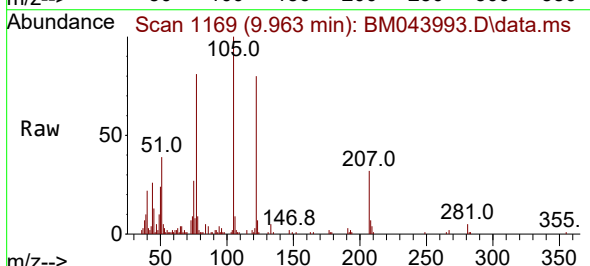
Tgt Ion:122 Resp: 42759

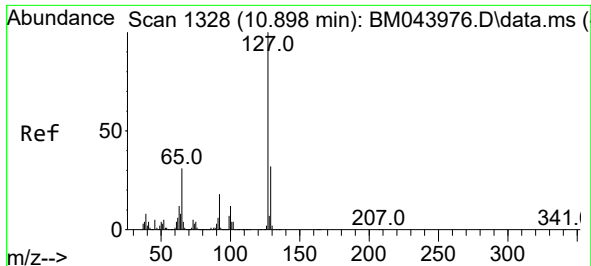
Ion Ratio Lower Upper

122 100

105 125.3 109.4 149.4

77 101.9 80.5 120.5

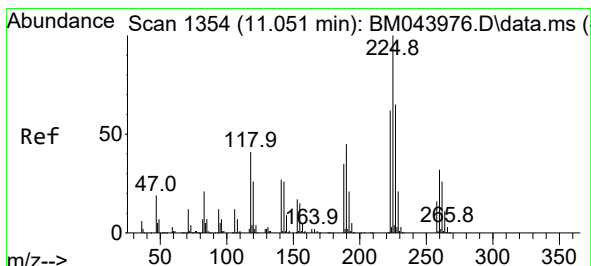
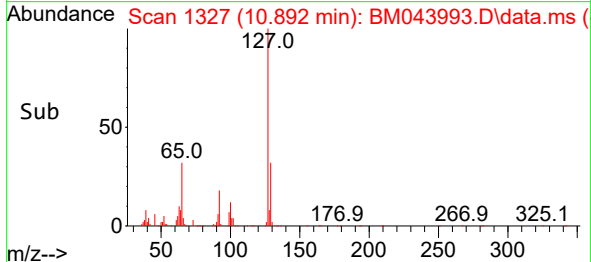
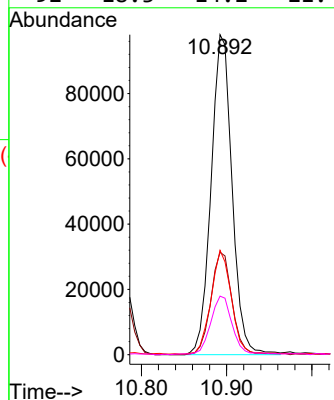
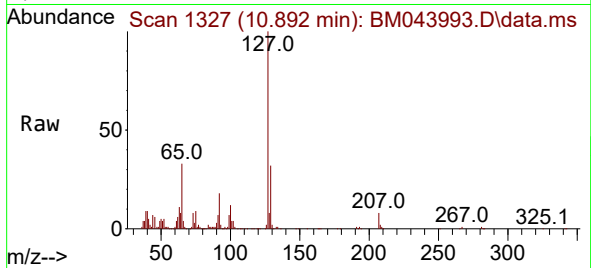




#33
4-Chloroaniline
Concen: 4.986 ng
RT: 10.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

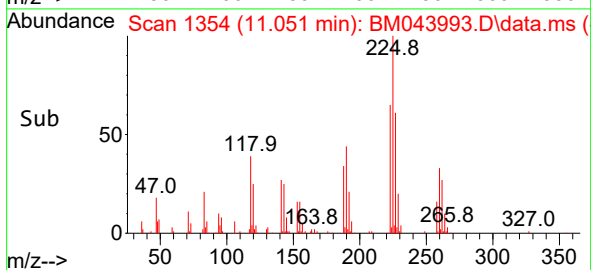
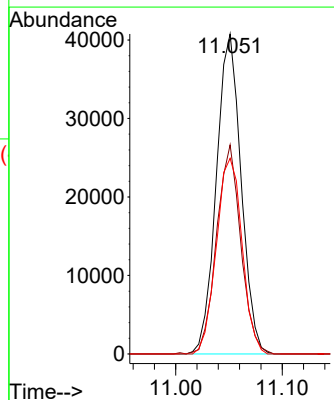
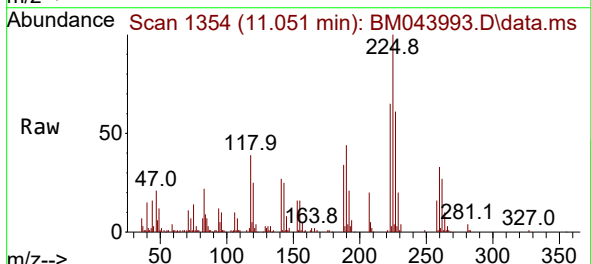
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

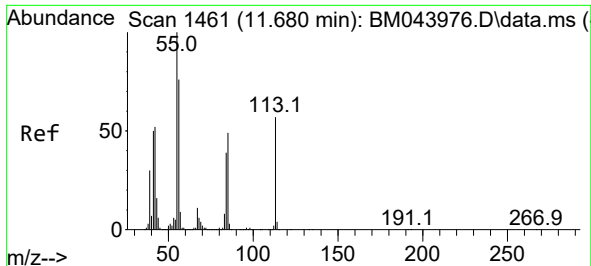
Tgt Ion:	127	Resp:	167724
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.6	38.4
65	32.6	24.5	36.7
92	18.3	14.2	21.4



#34
Hexachlorobutadiene
Concen: 4.931 ng
RT: 11.051 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:	225	Resp:	65705
Ion	Ratio	Lower	Upper
225	100		
223	65.4	49.8	74.8
227	61.1	51.7	77.5

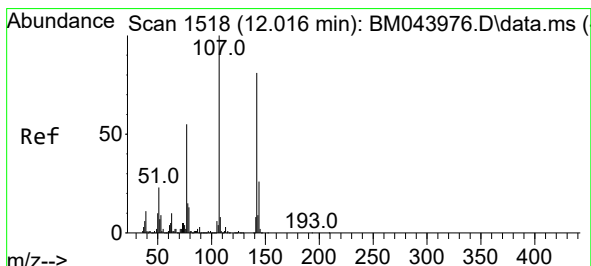
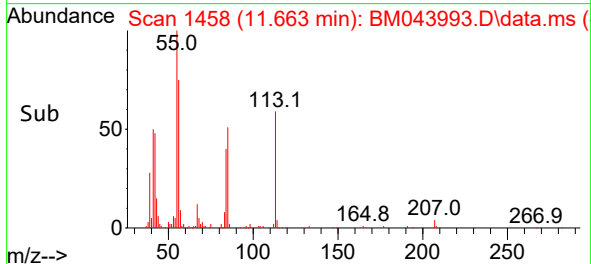
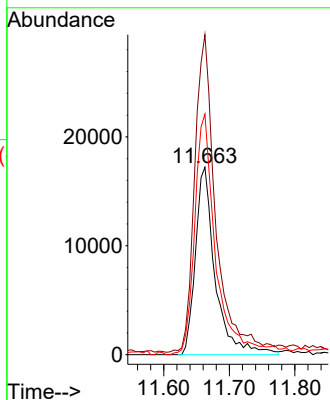
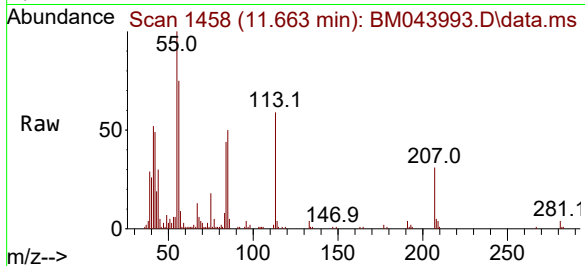




#35
Caprolactam
Concen: 4.068 ng
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

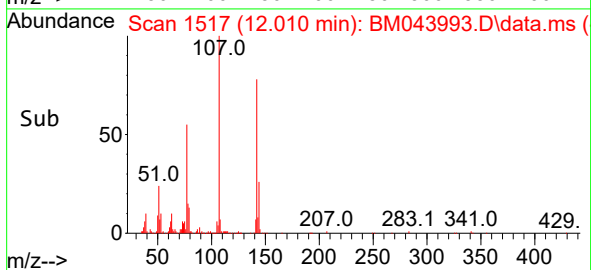
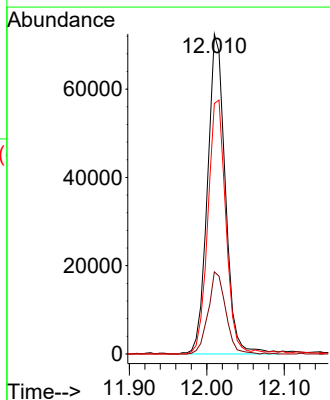
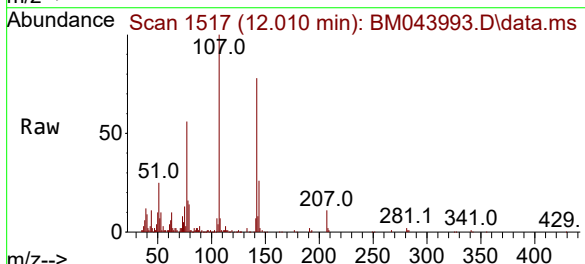
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

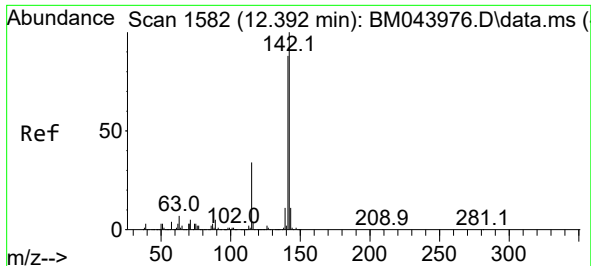
Tgt Ion	Ratio	Lower	Upper
113	100		
55	170.8	154.3	194.3
56	128.5	112.2	152.2



#36
4-Chloro-3-methylphenol
Concen: 4.382 ng
RT: 12.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.6	21.1	31.7
142	78.2	65.0	97.4

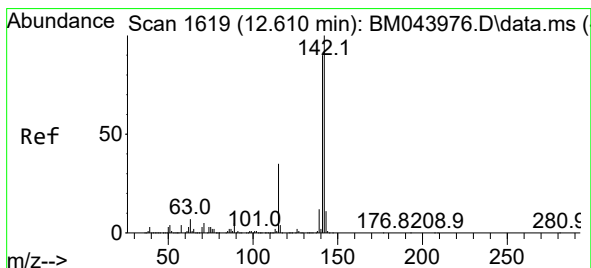
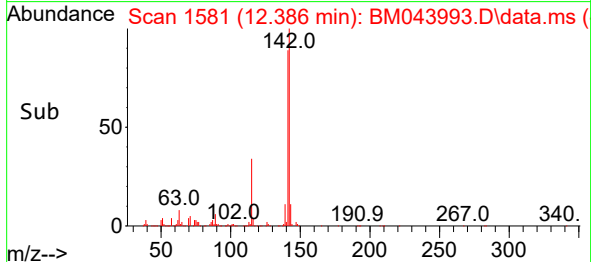
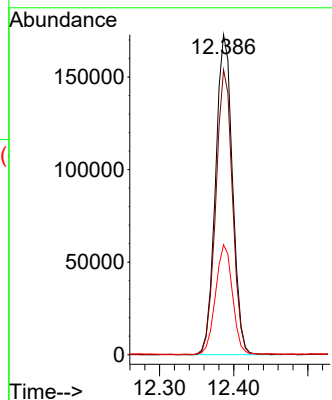
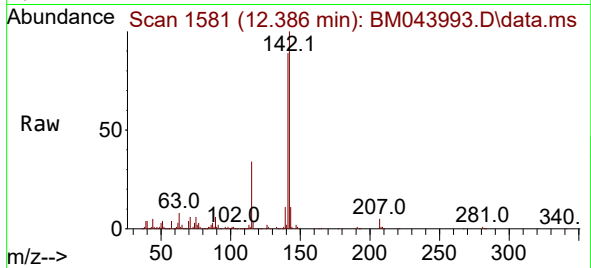




#37
2-Methylnaphthalene
Concen: 4.801 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

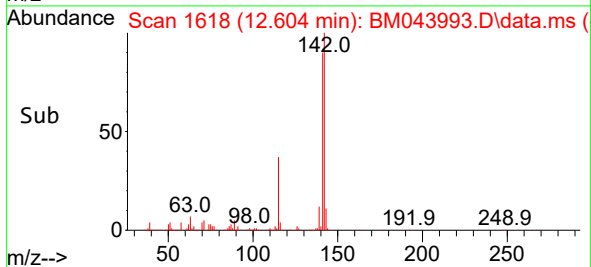
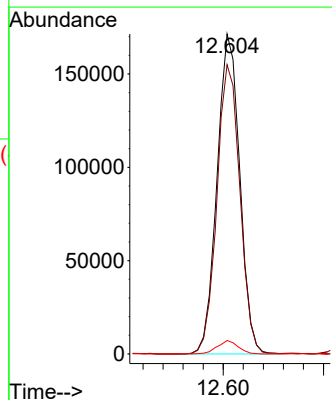
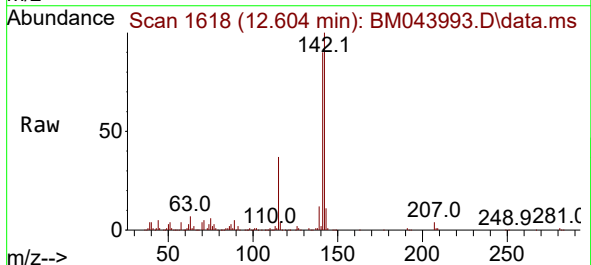
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

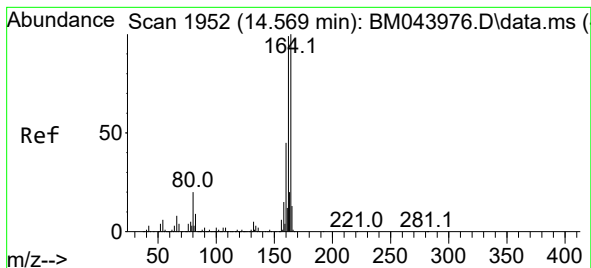
Tgt Ion:142 Resp: 274002
Ion Ratio Lower Upper
142 100
141 89.0 70.2 105.2
115 34.3 27.2 40.8



#38
1-Methylnaphthalene
Concen: 4.723 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:142 Resp: 269088
Ion Ratio Lower Upper
142 100
141 90.4 72.1 108.1
116 4.2 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: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

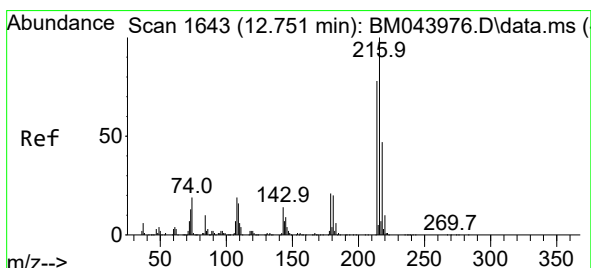
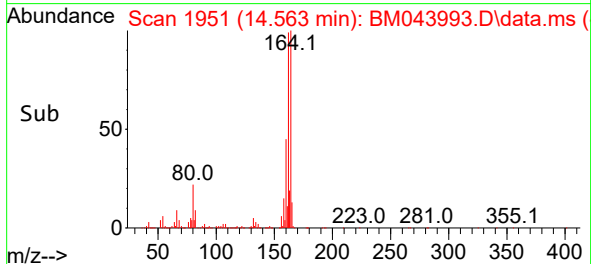
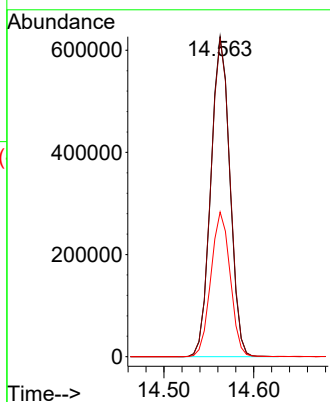
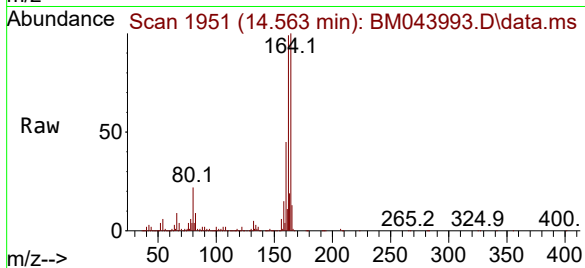
Tgt Ion:164 Resp: 921491

Ion Ratio Lower Upper

164 100

162 99.4 79.0 118.4

160 45.2 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.161 ng

RT: 12.751 min Scan# 1643

Delta R.T. -0.000 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Tgt Ion:216 Resp: 134886

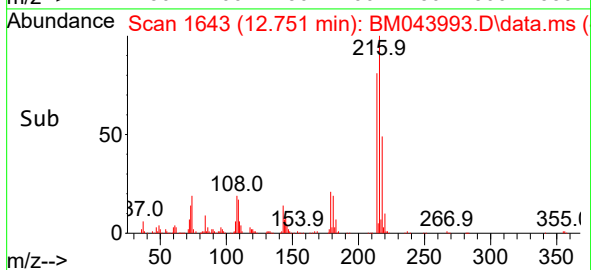
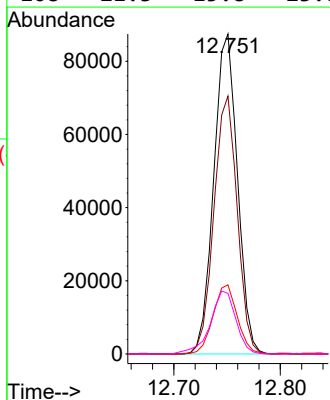
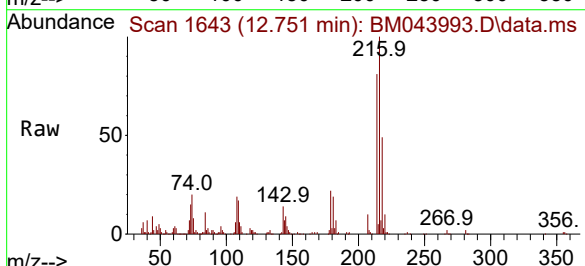
Ion Ratio Lower Upper

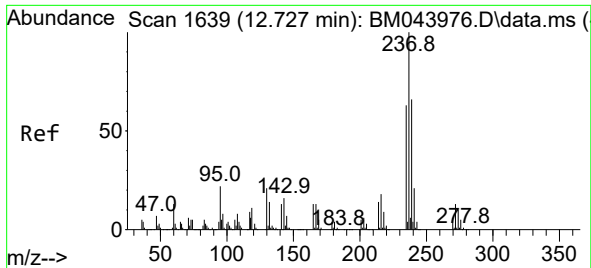
216 100

214 79.3 62.6 94.0

179 22.2 16.7 25.1

108 21.3 15.8 23.8

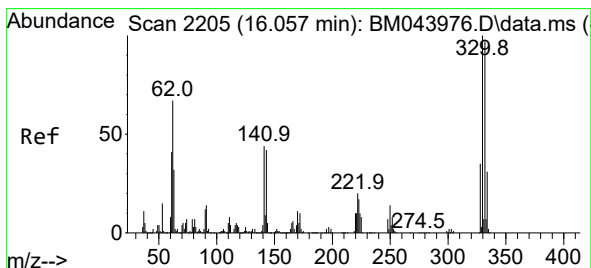
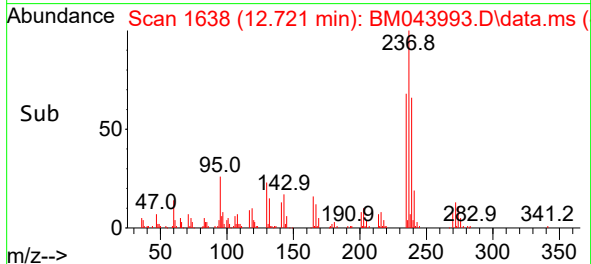
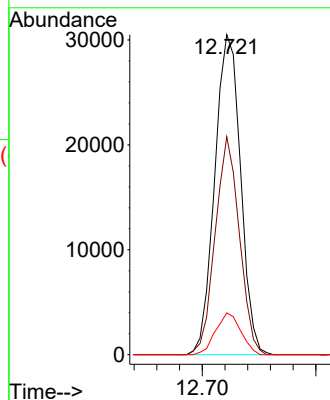
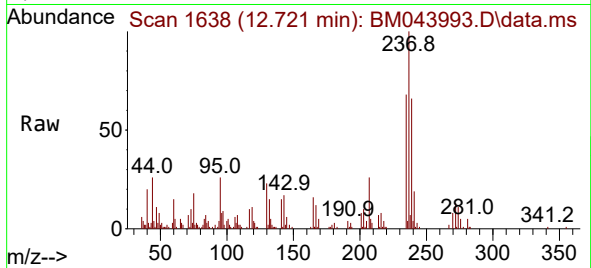




#41
Hexachlorocyclopentadiene
Concen: 5.609 ng
RT: 12.721 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

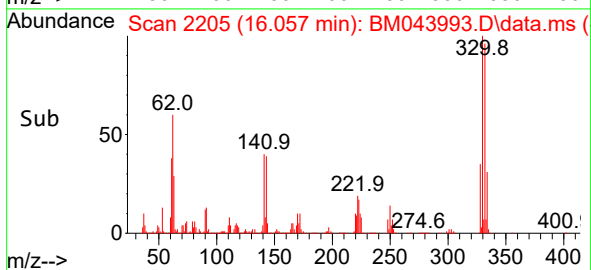
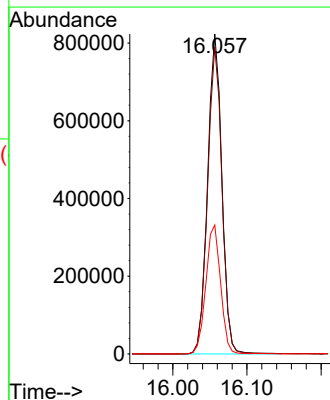
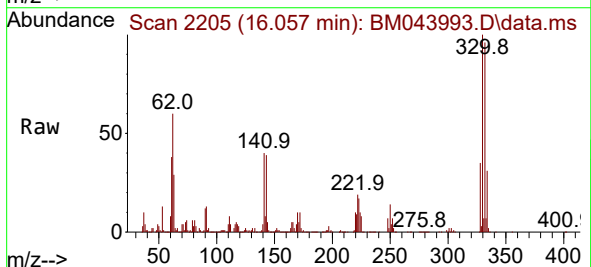
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

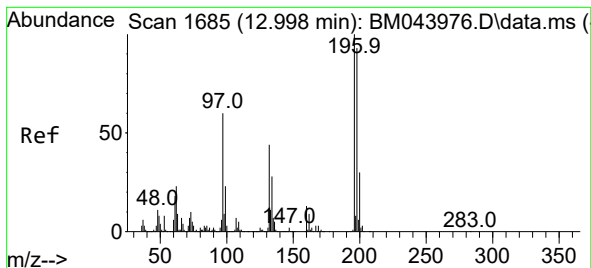
Tgt Ion:237 Resp: 48216
Ion Ratio Lower Upper
237 100
235 68.1 43.5 83.5
272 13.0 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 98.162 ng
RT: 16.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:330 Resp: 1102642
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 41.5 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 4.326 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

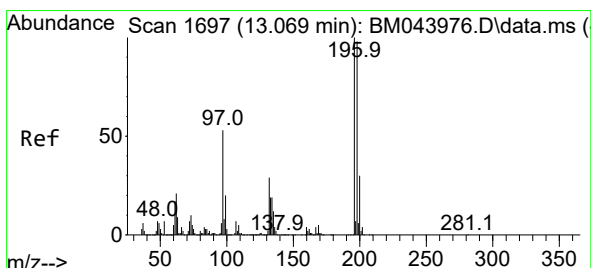
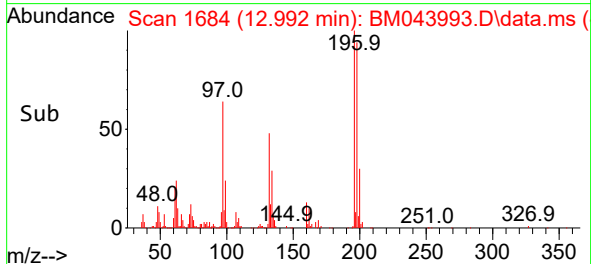
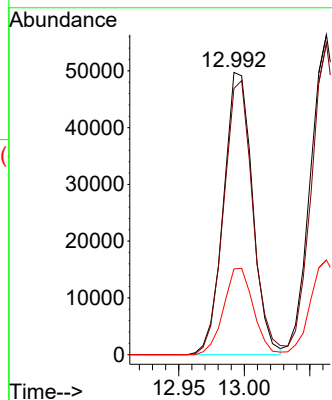
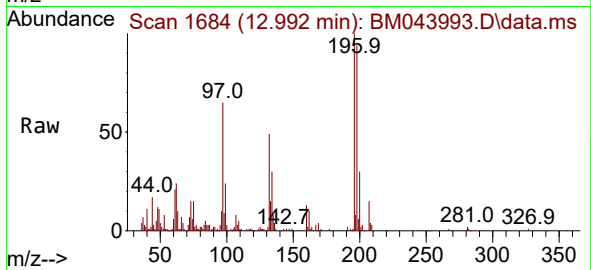
Tgt Ion:196 Resp: 76409

Ion Ratio Lower Upper

196 100

198 94.3 74.2 111.2

200 30.4 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 4.438 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Tgt Ion:196 Resp: 89434

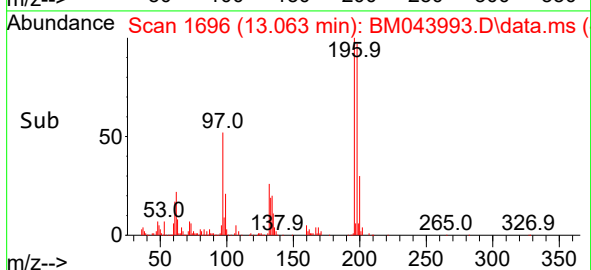
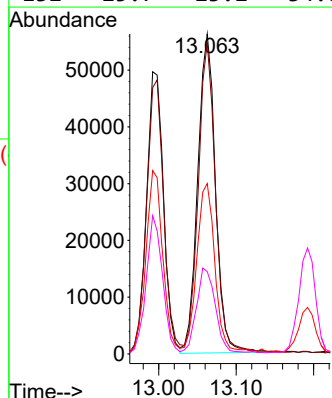
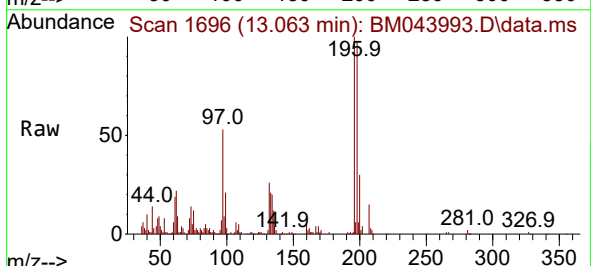
Ion Ratio Lower Upper

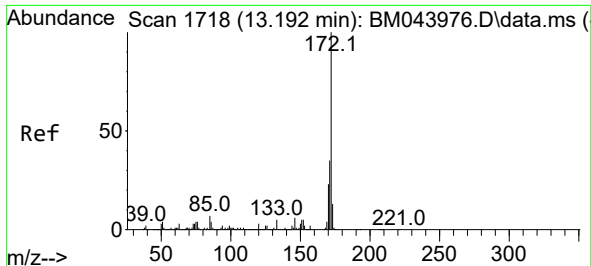
196 100

198 97.3 78.1 117.1

97 53.3 42.2 63.2

132 25.7 23.2 34.8

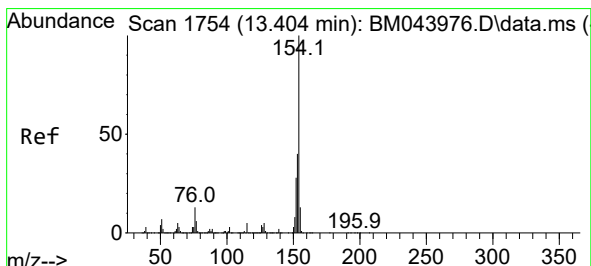
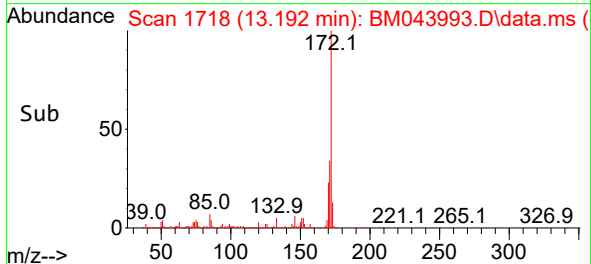
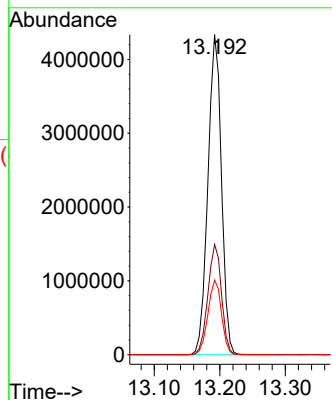
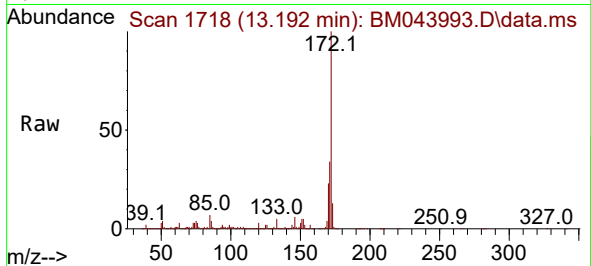




#45
2-Fluorobiphenyl
Concen: 92.874 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

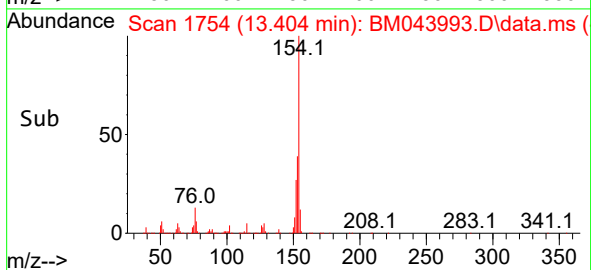
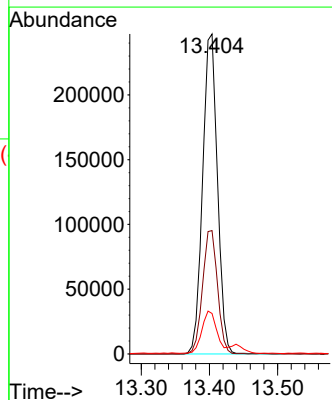
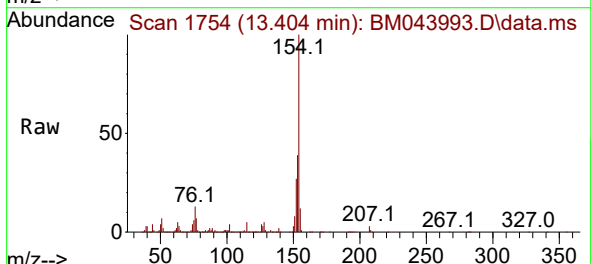
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

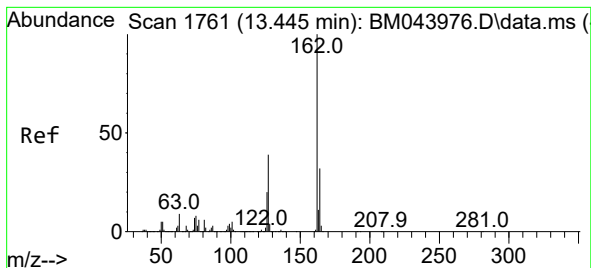
Tgt Ion:172 Resp: 6228420
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 5.151 ng
RT: 13.404 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:154 Resp: 373265
Ion Ratio Lower Upper
154 100
153 38.6 19.8 59.8
76 12.7 0.0 33.0





#47

2-Chloronaphthalene

Concen: 4.922 ng

RT: 13.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

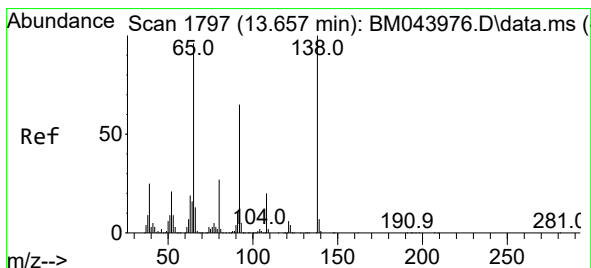
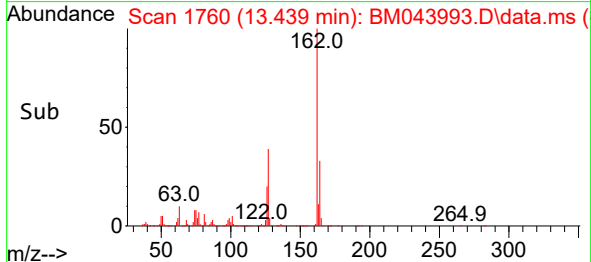
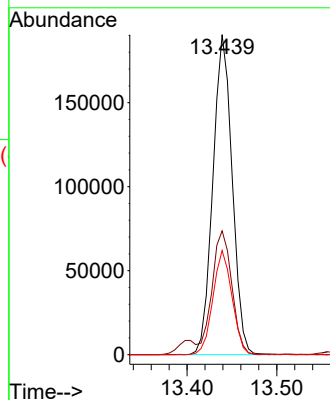
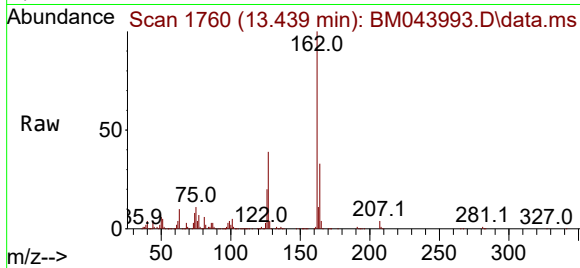
Tgt Ion:162 Resp: 284452

Ion Ratio Lower Upper

162 100

127 38.7 31.0 46.6

164 32.5 25.8 38.6



#48

2-Nitroaniline

Concen: 4.179 ng

RT: 13.651 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

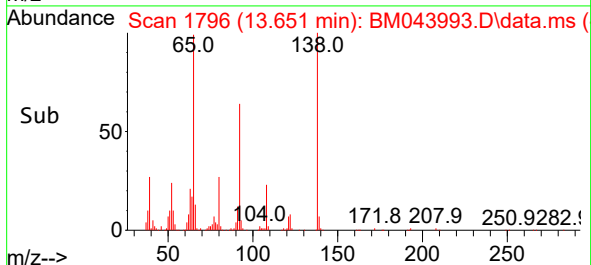
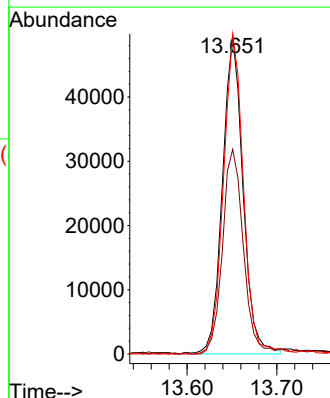
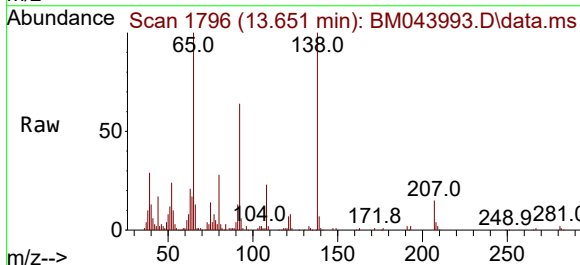
Tgt Ion: 65 Resp: 78551

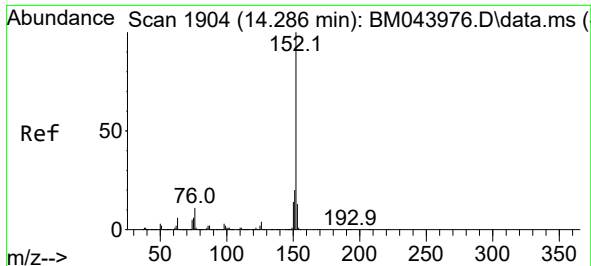
Ion Ratio Lower Upper

65 100

92 64.2 53.6 80.4

138 100.4 83.0 124.6

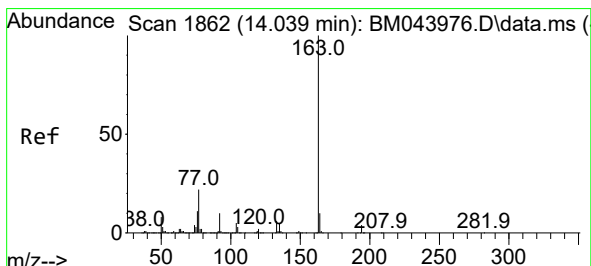
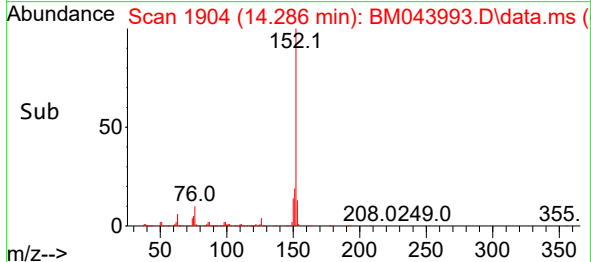
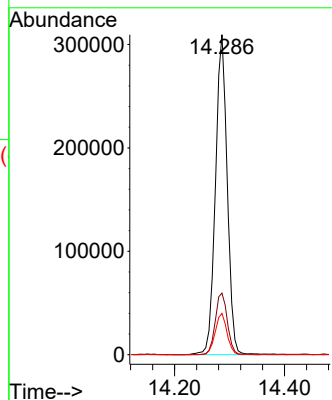
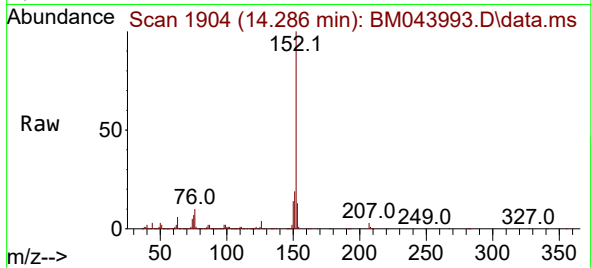




#49
Acenaphthylene
Concen: 5.216 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

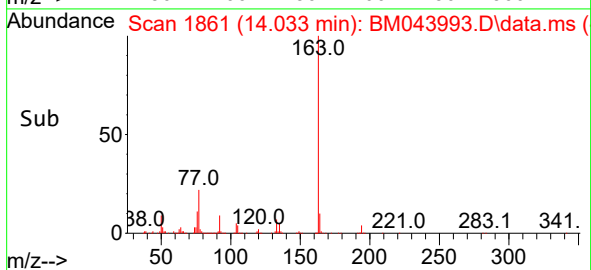
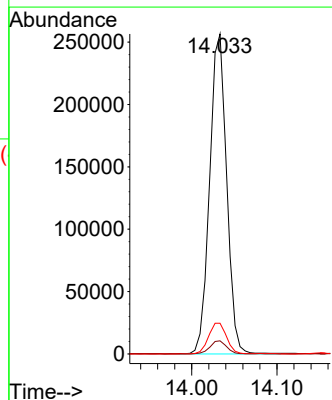
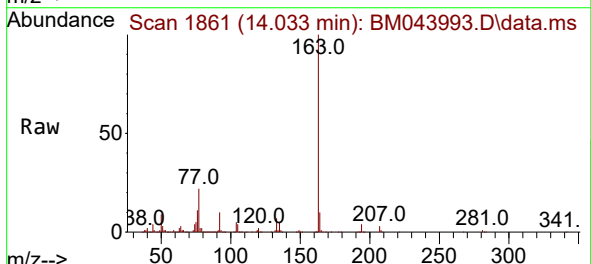
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

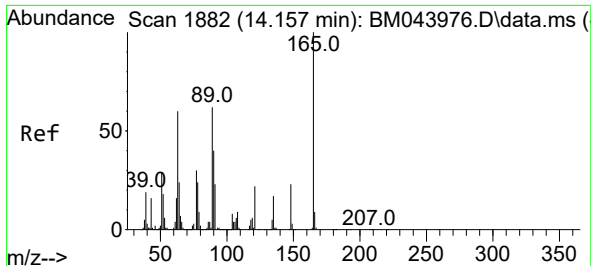
Tgt Ion:152 Resp: 460799
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 12.9 10.4 15.6



#50
Dimethylphthalate
Concen: 4.975 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:163 Resp: 356106
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.6 8.0 12.0

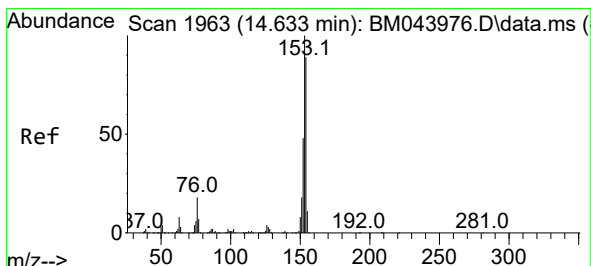
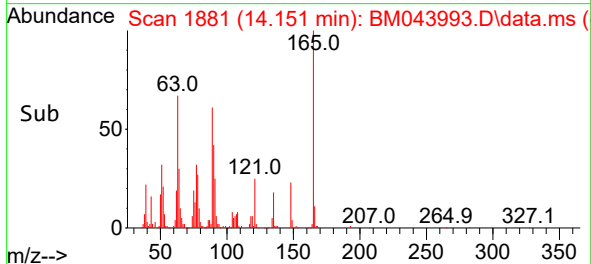
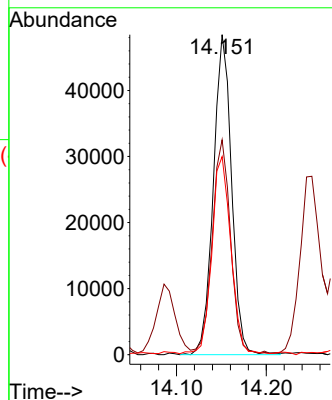
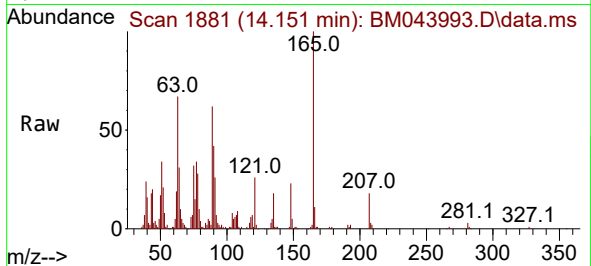




#51
2,6-Dinitrotoluene
Concen: 4.345 ng
RT: 14.151 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

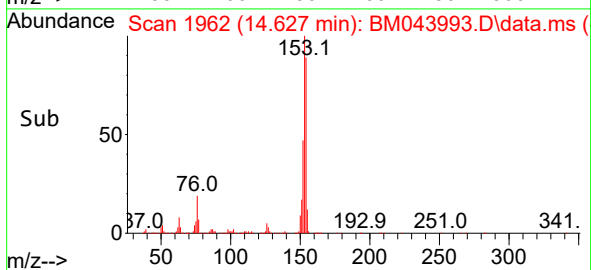
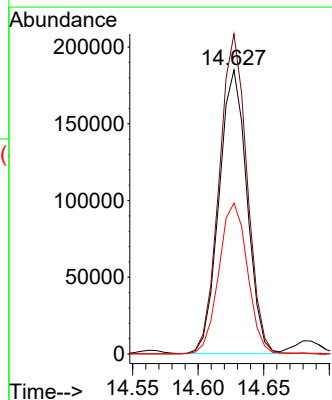
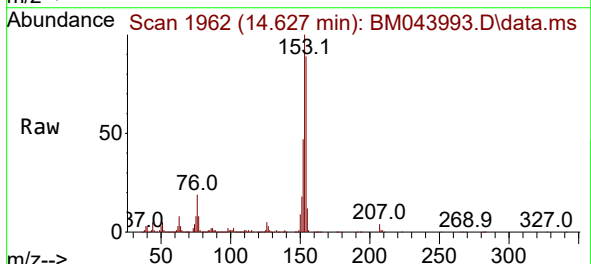
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

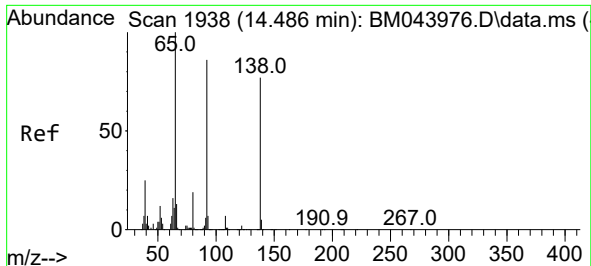
Tgt Ion:165 Resp: 68364
Ion Ratio Lower Upper
165 100
63 67.1 51.1 76.7
89 61.9 49.5 74.3



#52
Acenaphthene
Concen: 4.876 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:154 Resp: 273037
Ion Ratio Lower Upper
154 100
153 112.7 90.1 135.1
152 53.2 43.6 65.4

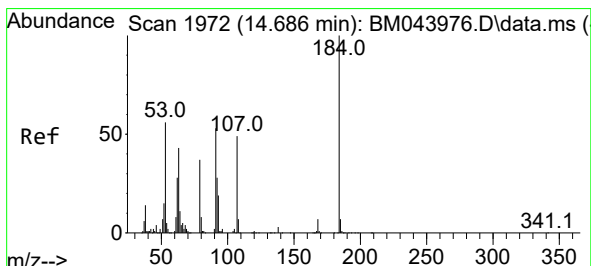
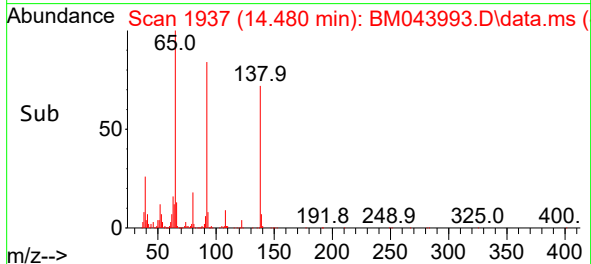
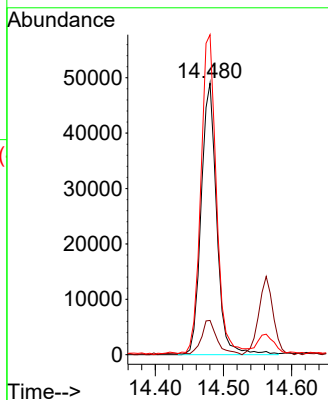
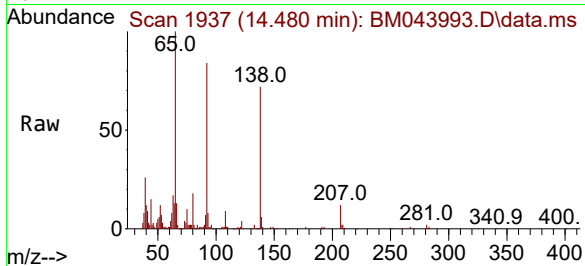




#53
3-Nitroaniline
Concen: 4.260 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

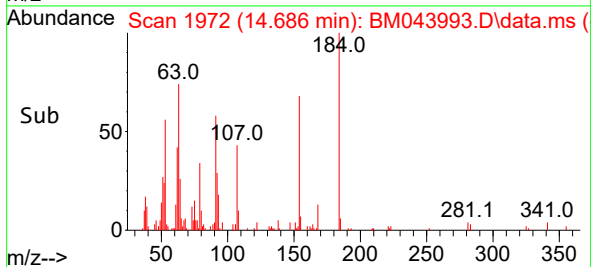
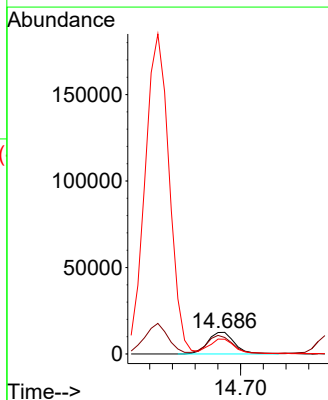
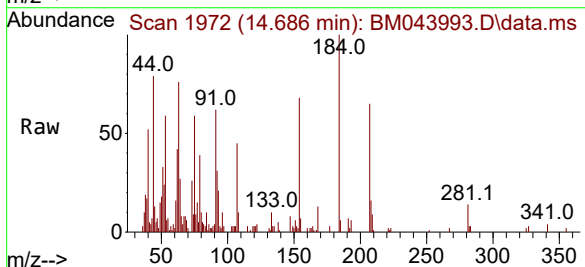
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

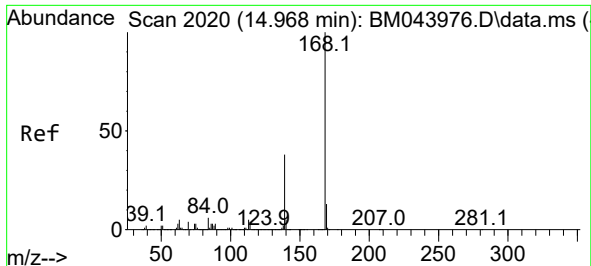
Tgt Ion:138 Resp: 77811
Ion Ratio Lower Upper
138 100
108 12.6 7.8 11.6#
92 117.9 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 9.314 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:184 Resp: 20376
Ion Ratio Lower Upper
184 100
63 76.2 62.8 94.2
154 68.0 51.4 77.2

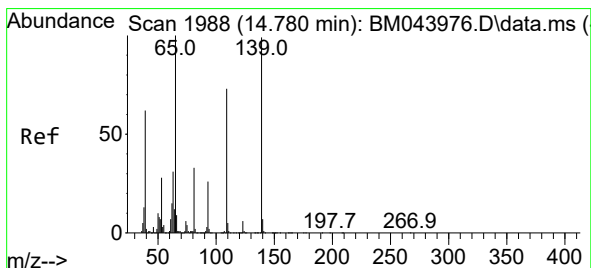
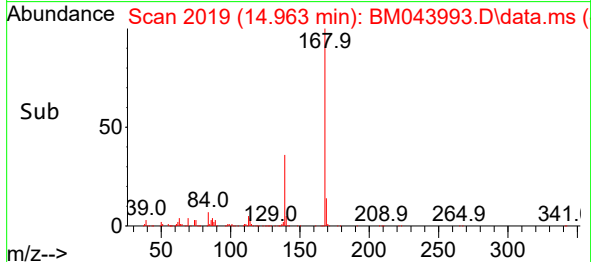
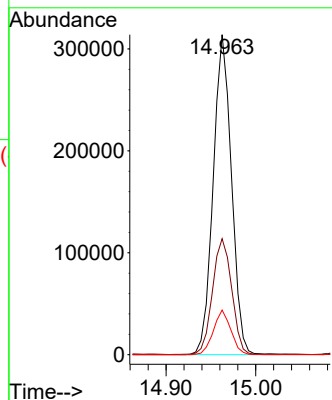
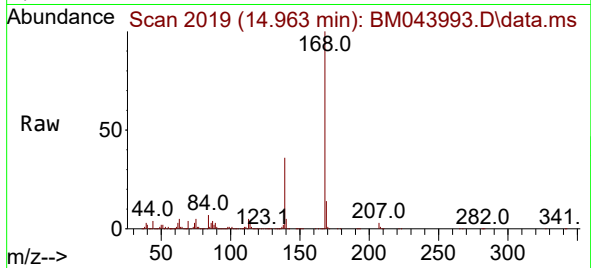




#55
Dibenzenofuran
Concen: 5.100 ng
RT: 14.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

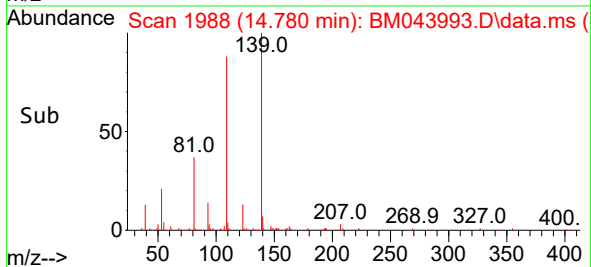
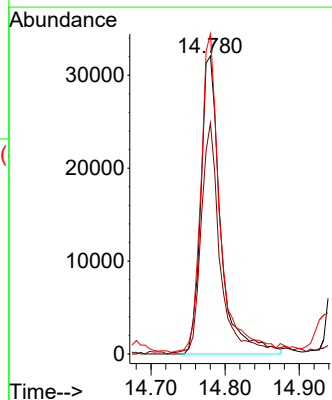
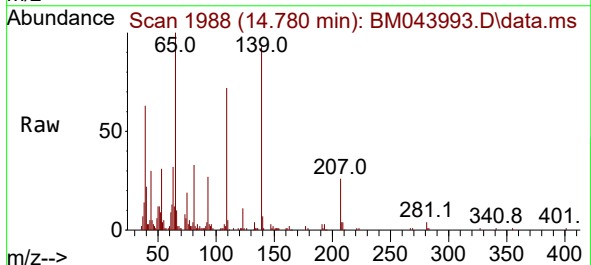
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

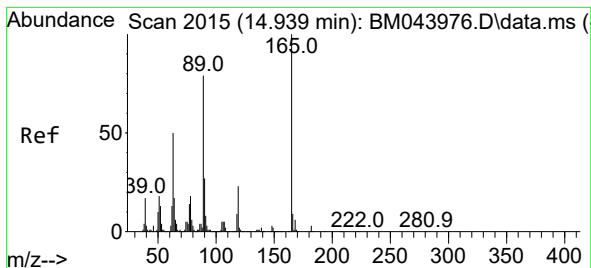
Tgt Ion:168 Resp: 444493
Ion Ratio Lower Upper
168 100
139 36.3 30.7 46.1
169 14.0 10.5 15.7



#56
4-Nitrophenol
Concen: 3.711 ng
RT: 14.780 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:139 Resp: 59239
Ion Ratio Lower Upper
139 100
109 77.4 53.2 93.2
65 107.3 80.7 120.7





#57

2,4-Dinitrotoluene

Concen: 3.772 ng

RT: 14.933 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:165 Resp: 82621

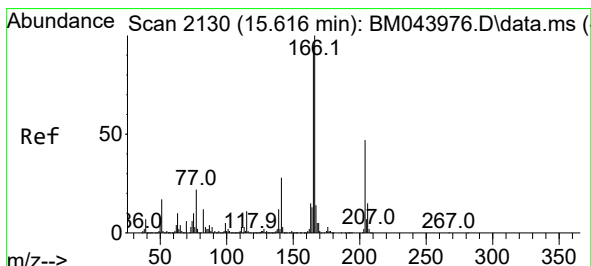
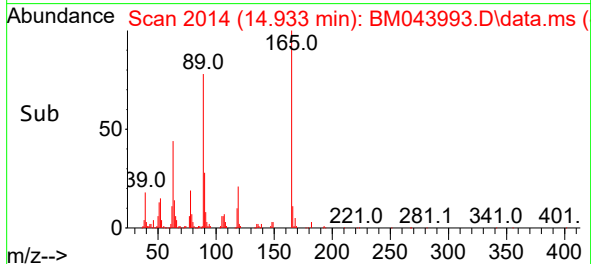
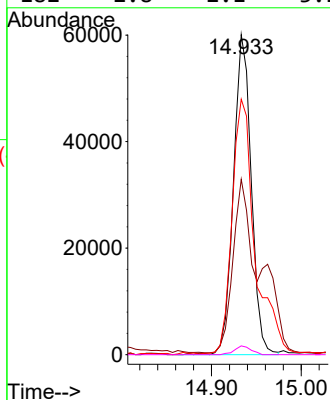
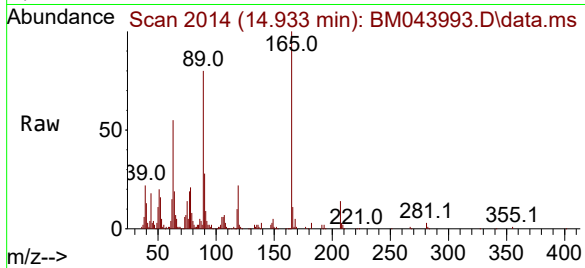
Ion Ratio Lower Upper

165 100

63 54.8 40.2 60.4

89 79.9 63.3 94.9

182 2.8 2.1 3.1



#58

Fluorene

Concen: 4.865 ng

RT: 15.615 min Scan# 2130

Delta R.T. -0.000 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

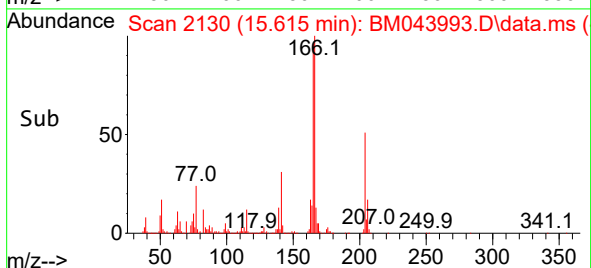
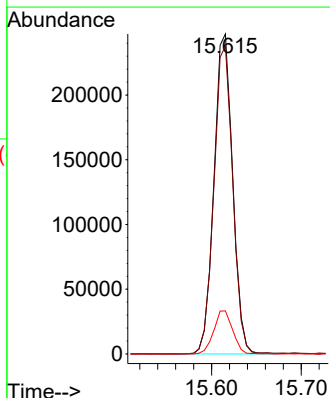
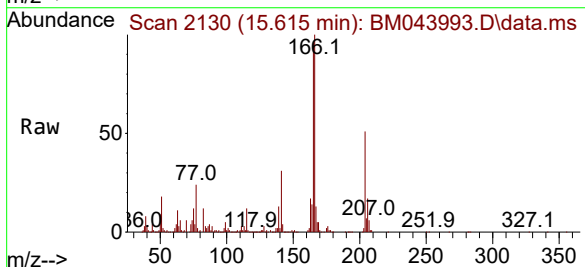
Tgt Ion:166 Resp: 358035

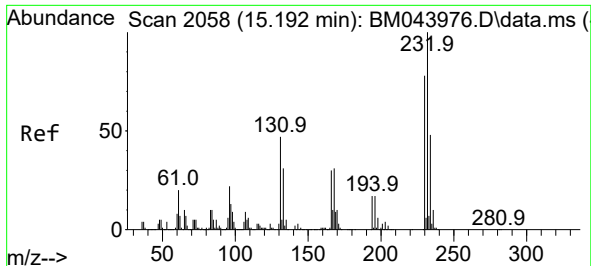
Ion Ratio Lower Upper

166 100

165 96.3 76.3 114.5

167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.618 ng

RT: 15.186 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:232 Resp: 80224

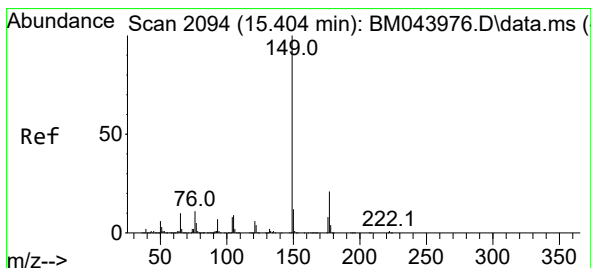
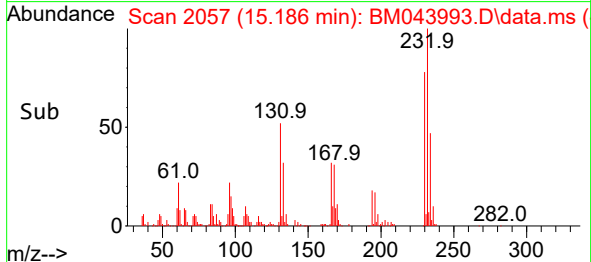
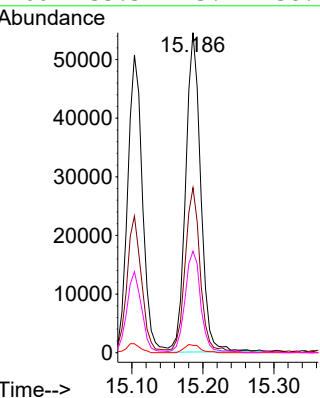
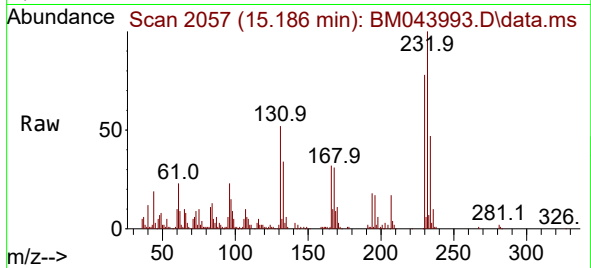
Ion Ratio Lower Upper

232 100

131 50.8 39.8 59.6

130 2.7 2.0 3.0

166 33.3 25.4 38.2



#60

Diethylphthalate

Concen: 4.795 ng

RT: 15.398 min Scan# 2093

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

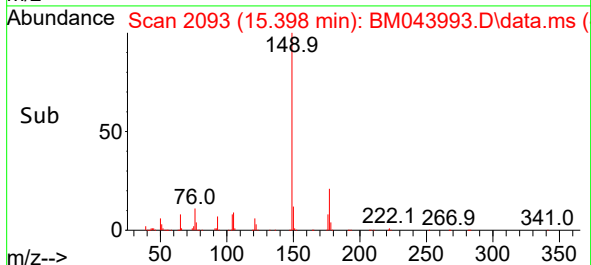
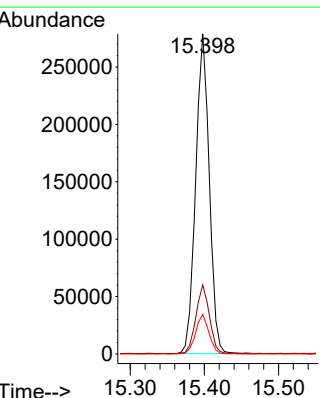
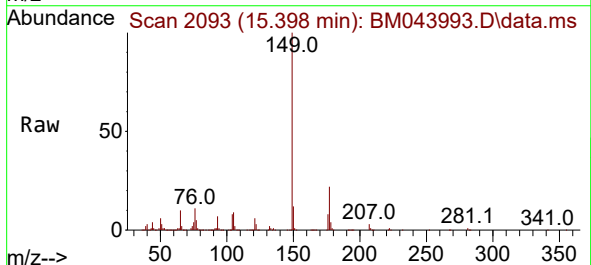
Tgt Ion:149 Resp: 355292

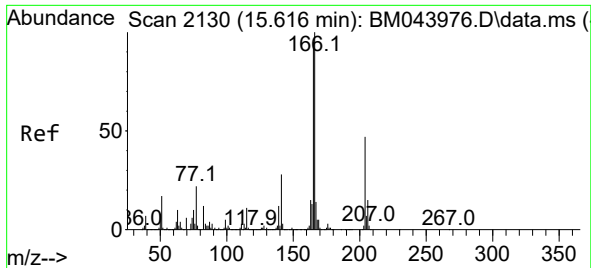
Ion Ratio Lower Upper

149 100

177 21.6 17.1 25.7

150 12.4 9.8 14.6

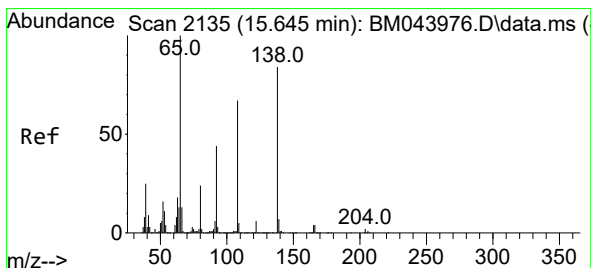
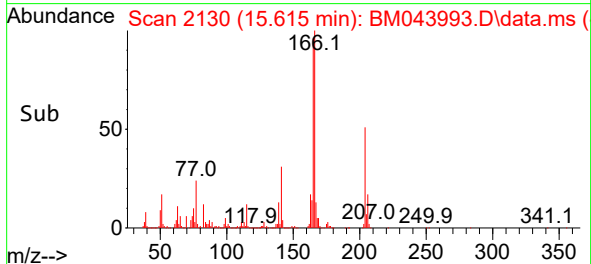
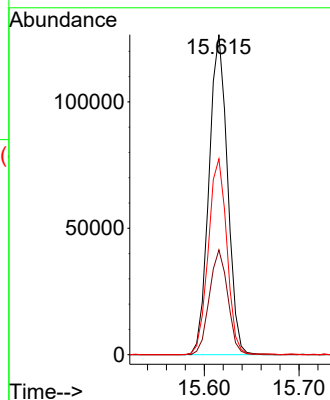
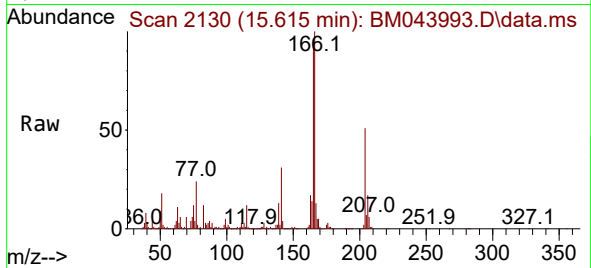




#61
4-Chlorophenyl-phenylether
Concen: 4.997 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

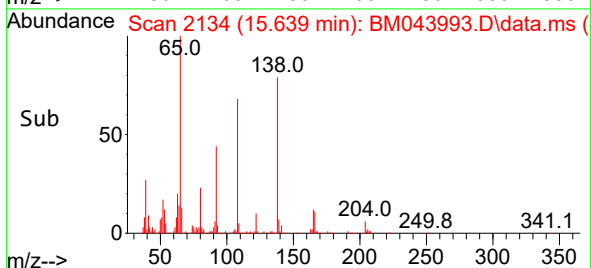
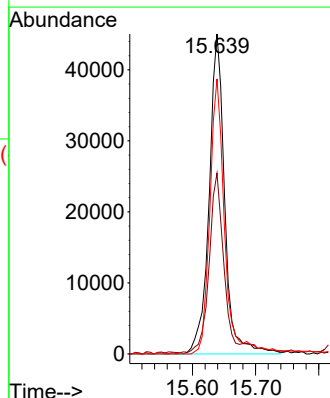
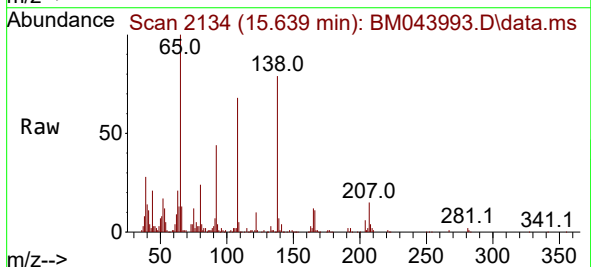
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

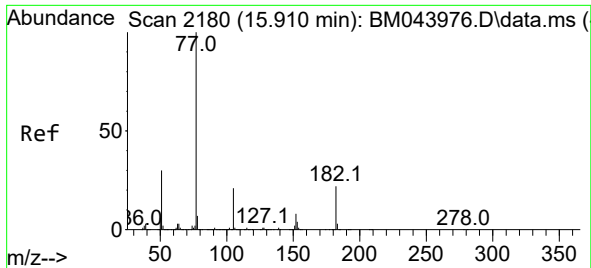
Tgt Ion:204 Resp: 171595
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 61.2 48.6 72.8



#62
4-Nitroaniline
Concen: 3.883 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:138 Resp: 77543
Ion Ratio Lower Upper
138 100
92 56.5 32.7 72.7
108 86.0 60.0 100.0

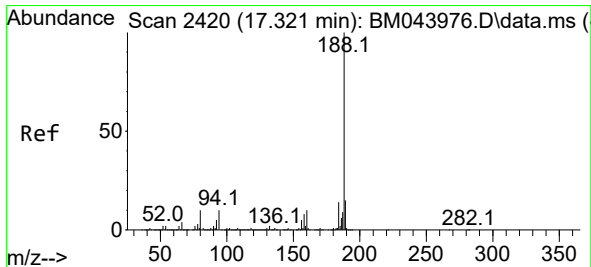
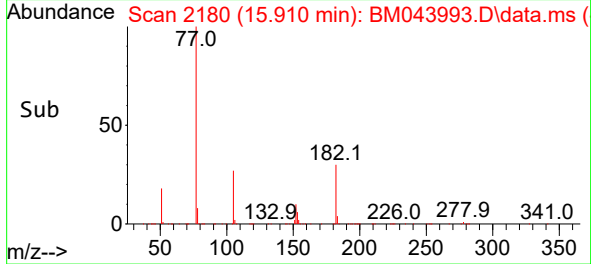
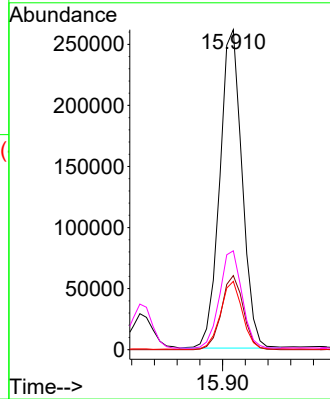
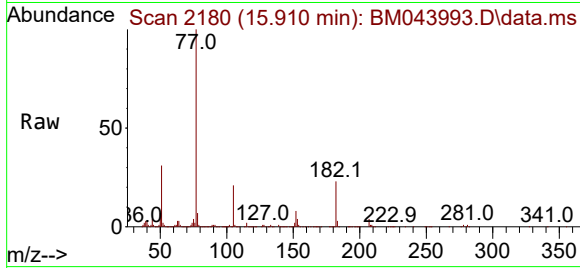




#63
 Azobenzene
 Concen: 4.809 ng
 RT: 15.910 min Scan# 2180
 Delta R.T. -0.000 min
 Lab File: BM043993.D
 Acq: 06 Feb 2024 15:51

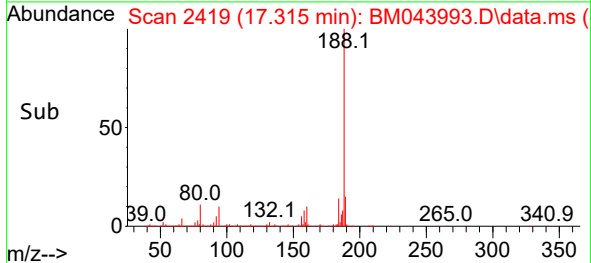
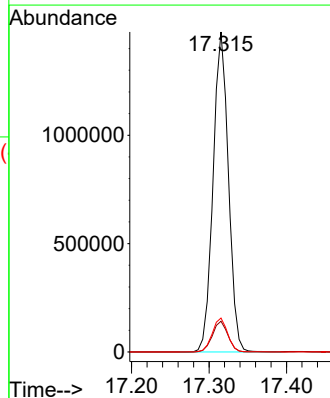
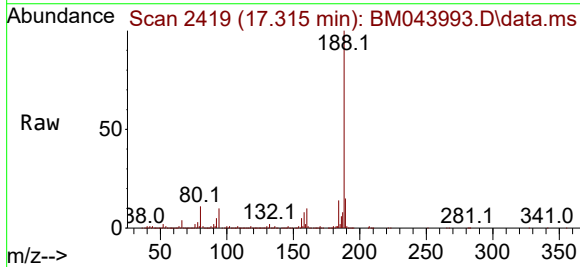
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

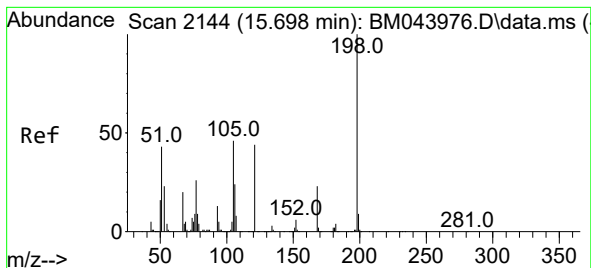
Tgt Ion: 77	Resp: 355920
Ion Ratio	Lower Upper
77 100	
182 23.2	2.0 42.0
105 21.4	0.5 40.5
51 30.9	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.315 min Scan# 2419
 Delta R.T. -0.006 min
 Lab File: BM043993.D
 Acq: 06 Feb 2024 15:51

Tgt	Ion:188	Resp:	2030929
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.7	11.5
80	10.6	8.2	12.4

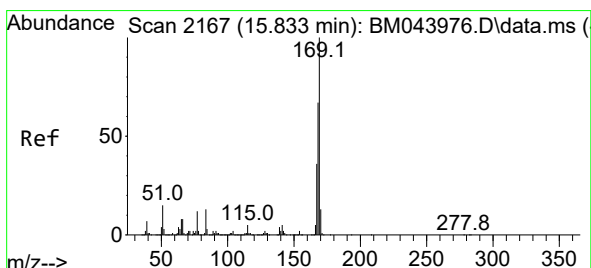
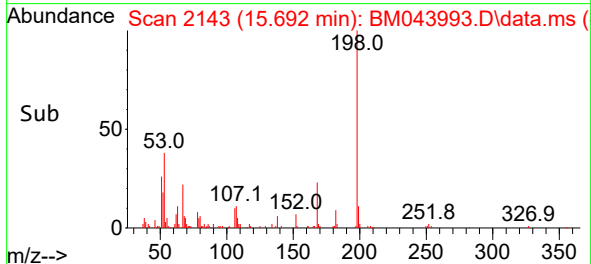
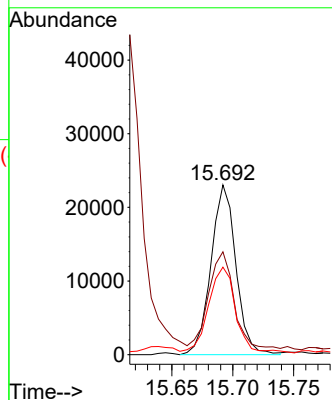
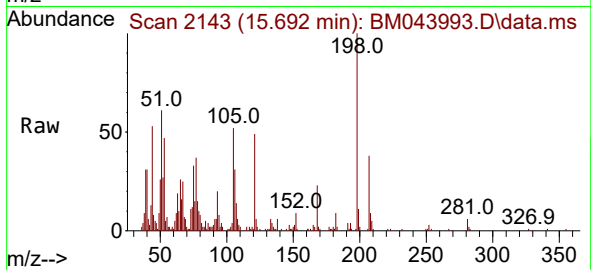




#65
4,6-Dinitro-2-methylphenol
Concen: 8.483 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

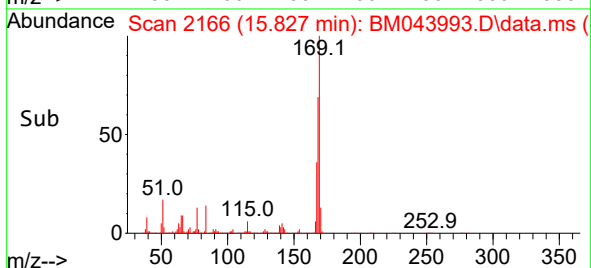
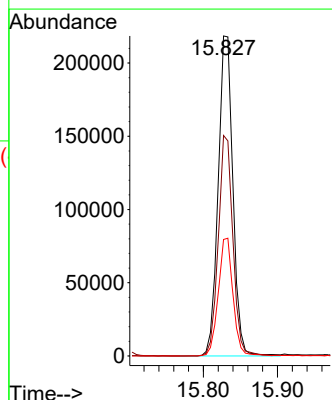
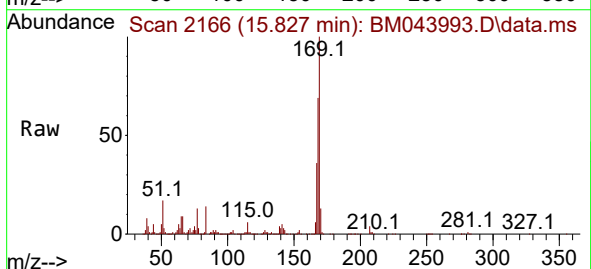
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

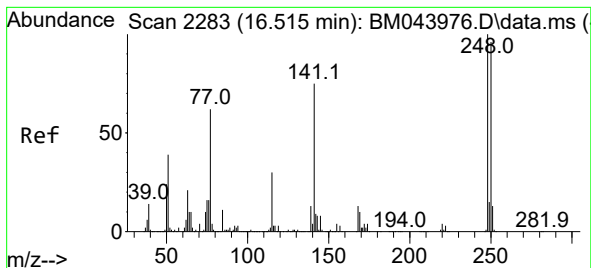
Tgt Ion:198 Resp: 32904
Ion Ratio Lower Upper
198 100
51 60.6 31.9 71.9
105 51.6 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 5.011 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:169 Resp: 303137
Ion Ratio Lower Upper
169 100
168 68.9 53.4 80.2
167 36.4 29.0 43.4

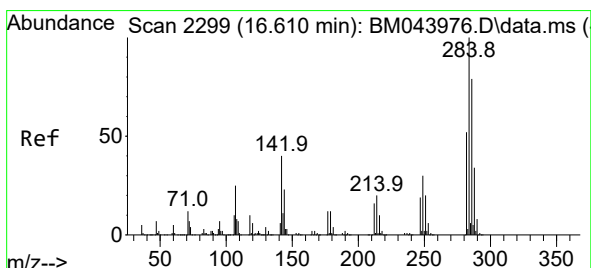
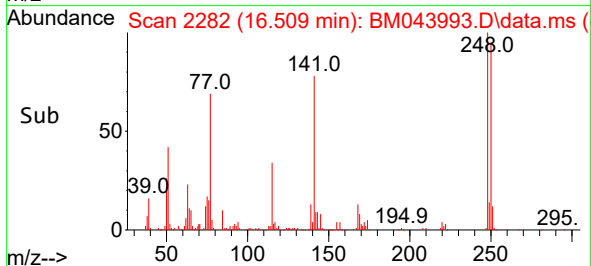
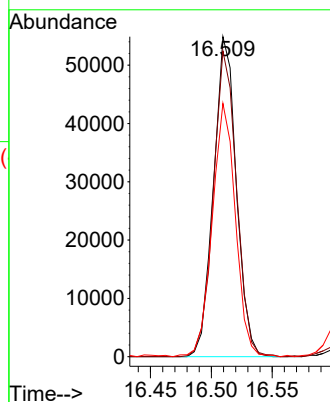
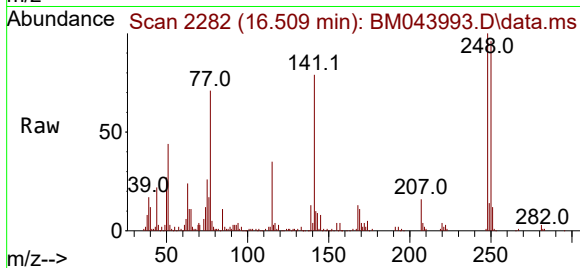




#67
4-Bromophenyl-phenylether
Concen: 3.572 ng
RT: 16.509 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

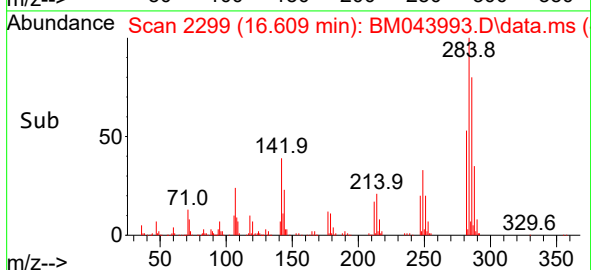
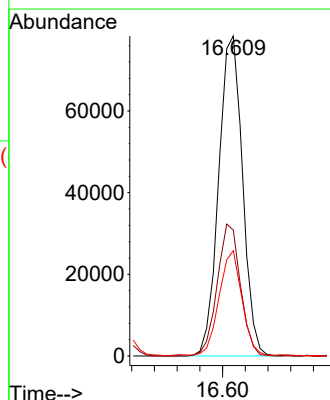
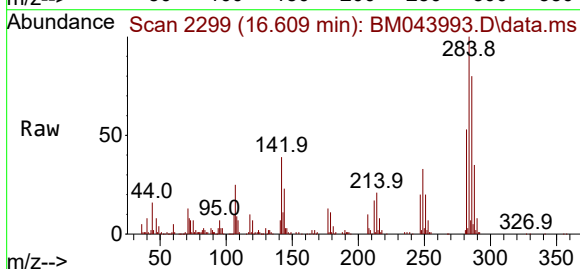
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

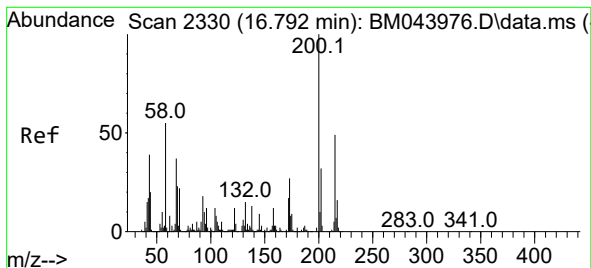
Tgt Ion:248 Resp: 71457
Ion Ratio Lower Upper
248 100
250 95.6 77.0 115.4
141 79.1 59.9 89.9



#68
Hexachlorobenzene
Concen: 4.790 ng
RT: 16.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BM043993.D
Acq: 06 Feb 2024 15:51

Tgt Ion:284 Resp: 114266
Ion Ratio Lower Upper
284 100
142 39.3 32.2 48.4
249 32.9 24.4 36.6





#69

Atrazine

Concen: 5.809 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

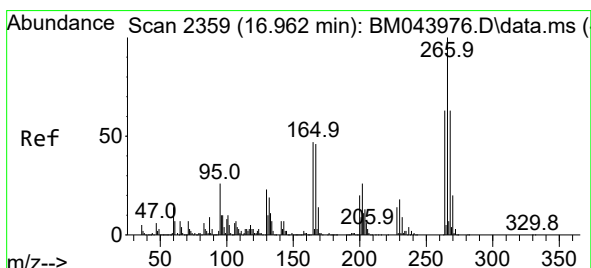
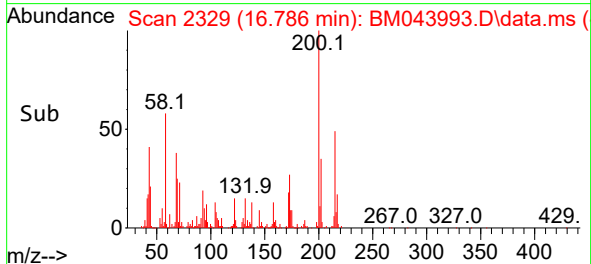
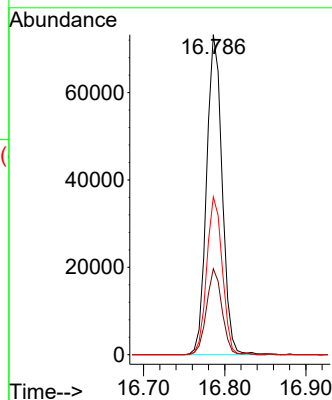
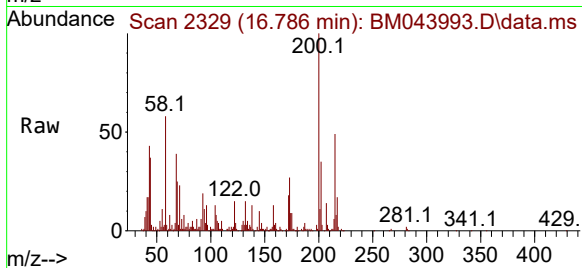
Tgt Ion:200 Resp: 97225

Ion Ratio Lower Upper

200 100

173 26.8 7.3 47.3

215 49.3 28.7 68.7



#70

Pentachlorophenol

Concen: 3.504 ng

RT: 16.956 min Scan# 2358

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

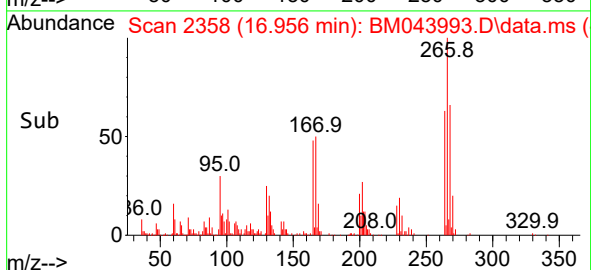
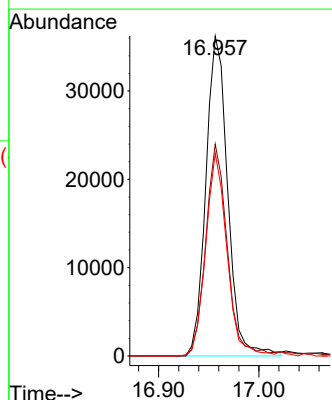
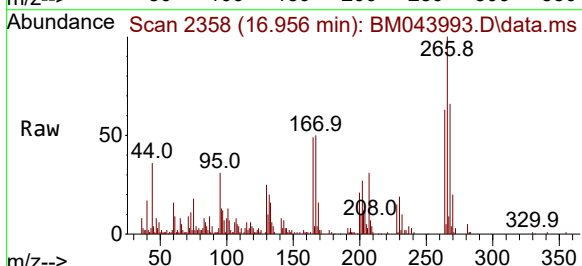
Tgt Ion:266 Resp: 54884

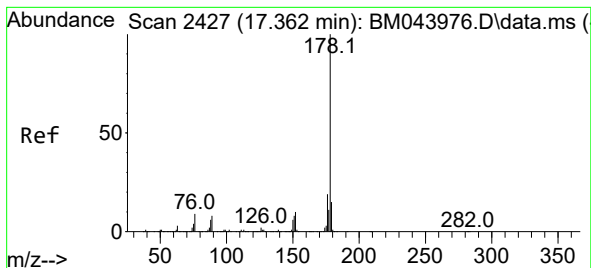
Ion Ratio Lower Upper

266 100

268 66.2 50.6 76.0

264 63.4 50.6 76.0





#71

Phenanthrene

Concen: 5.095 ng

RT: 17.356 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

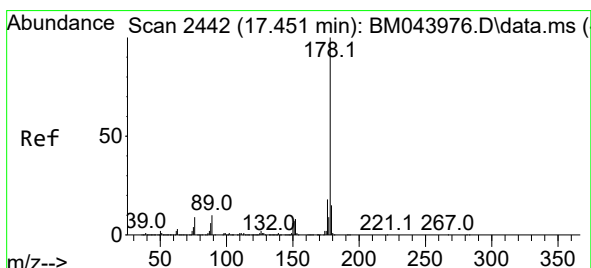
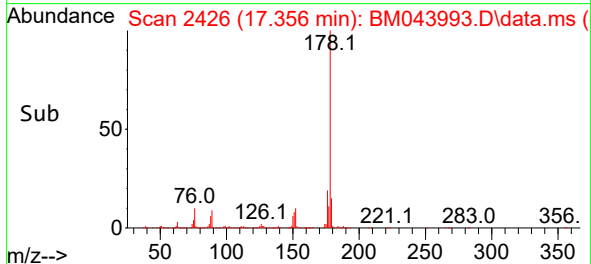
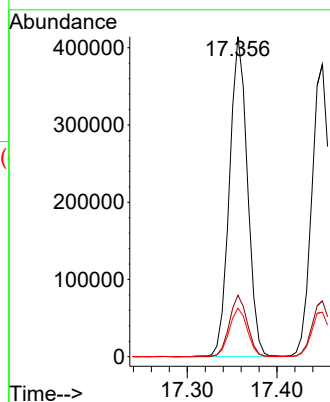
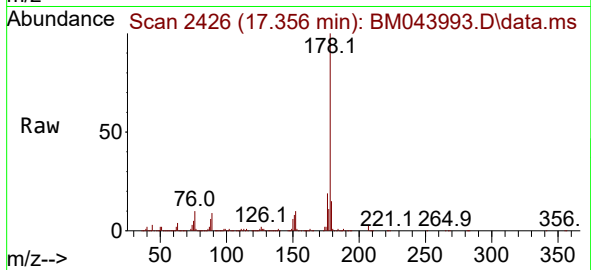
Tgt Ion:178 Resp: 576370

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.2 12.4 18.6



#72

Anthracene

Concen: 4.911 ng

RT: 17.451 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

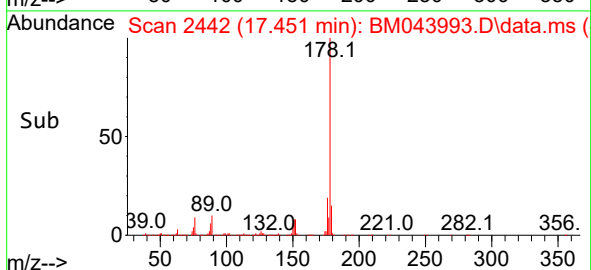
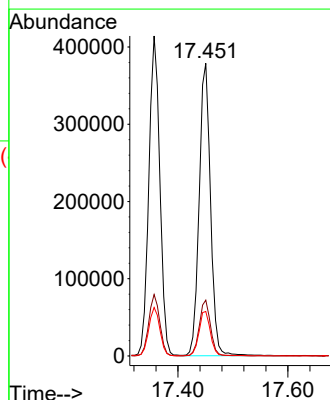
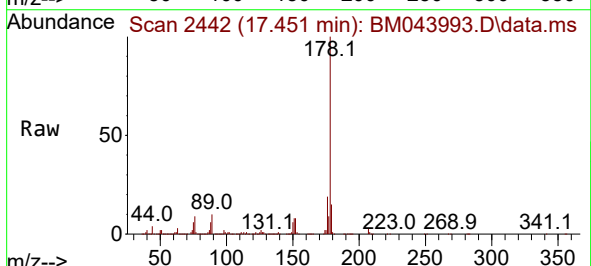
Tgt Ion:178 Resp: 543851

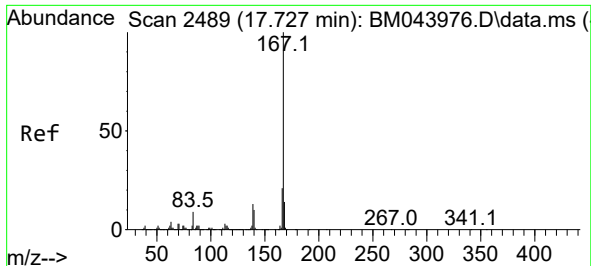
Ion Ratio Lower Upper

178 100

176 19.1 14.6 22.0

179 15.2 12.2 18.4

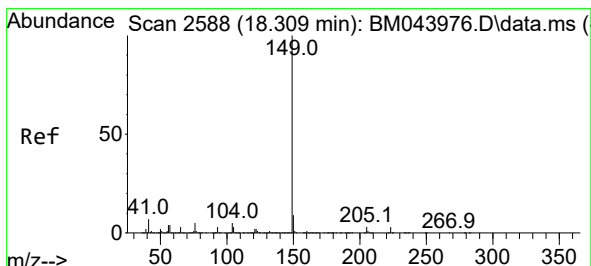
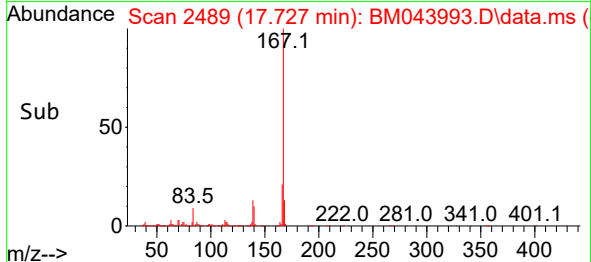
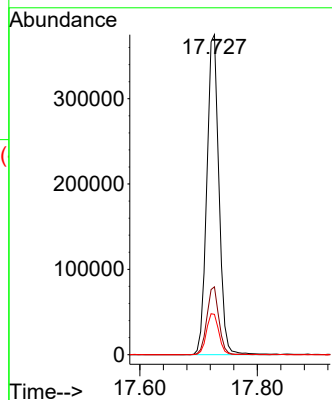
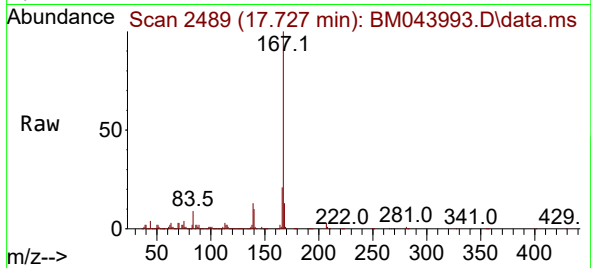




#73
 Carbazole
 Concen: 4.654 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. -0.000 min
 Lab File: BM043993.D
 Acq: 06 Feb 2024 15:51

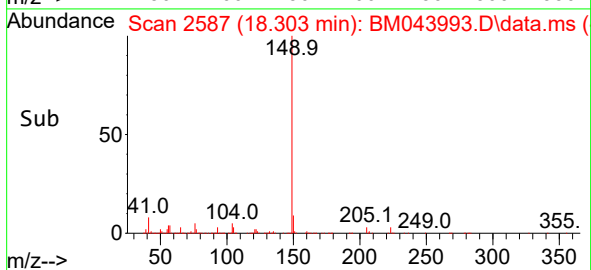
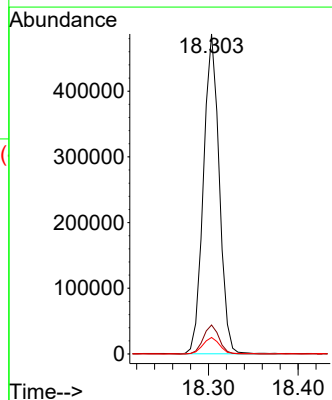
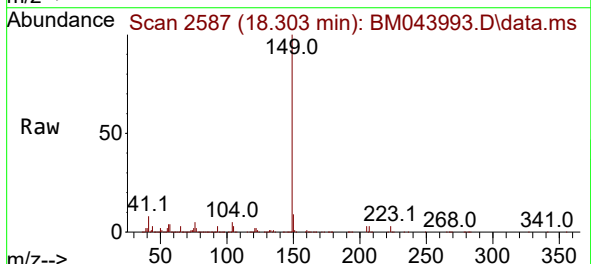
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

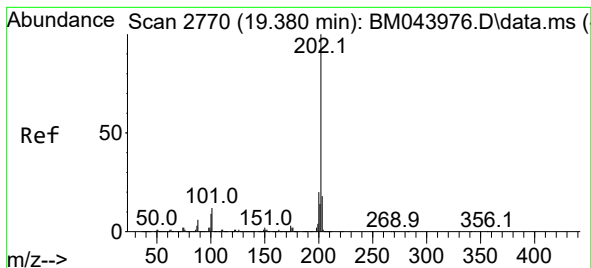
Tgt Ion:167 Resp: 533829
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 12.6 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 4.723 ng
 RT: 18.303 min Scan# 2587
 Delta R.T. -0.006 min
 Lab File: BM043993.D
 Acq: 06 Feb 2024 15:51

Tgt Ion:149 Resp: 594145
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 5.2 4.1 6.1





#75

Fluoranthene

Concen: 4.634 ng

RT: 19.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

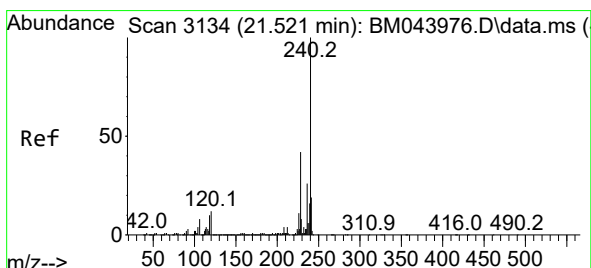
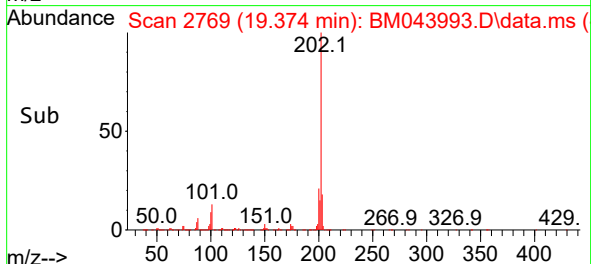
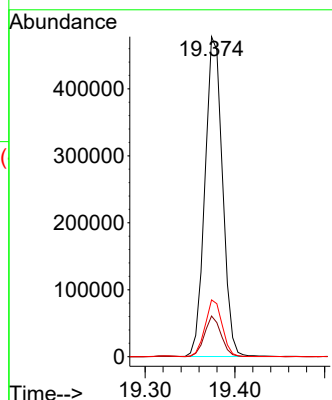
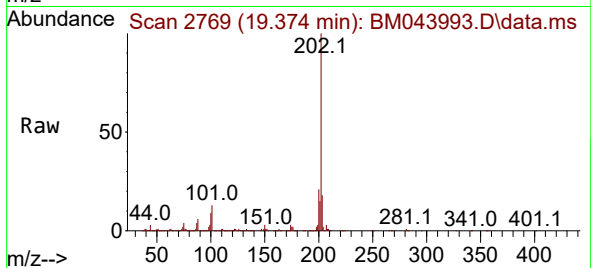
Tgt Ion:202 Resp: 648282

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.9

203 17.7 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: BM043993.D

Acq: 06 Feb 2024 15:51

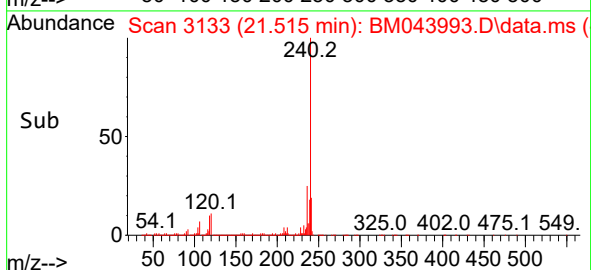
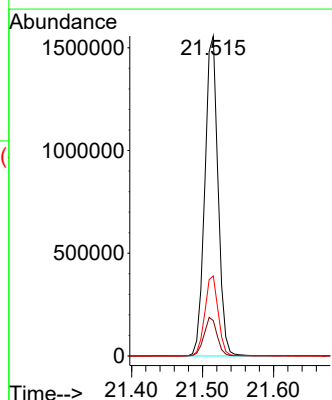
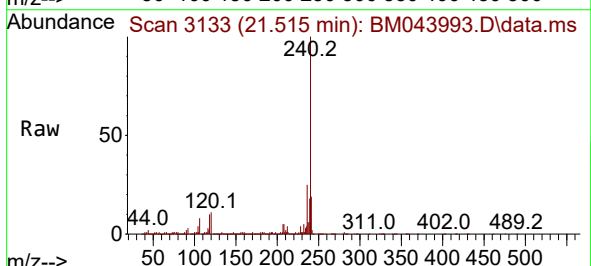
Tgt Ion:240 Resp: 2016078

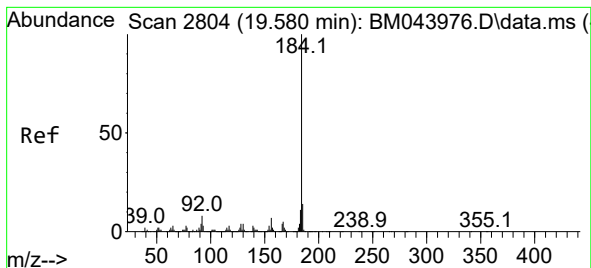
Ion Ratio Lower Upper

240 100

120 11.1 9.3 13.9

236 25.0 20.5 30.7





#77

Benzidine

Concen: 6.459 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

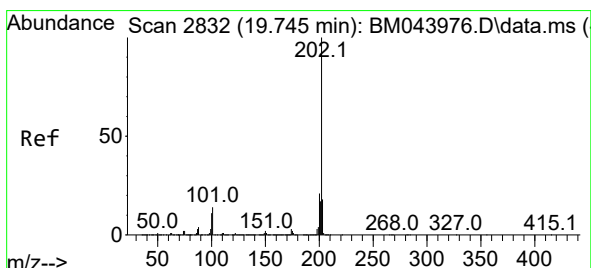
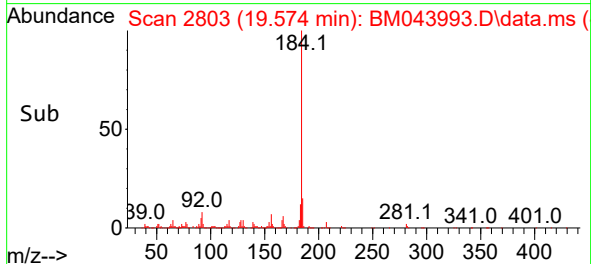
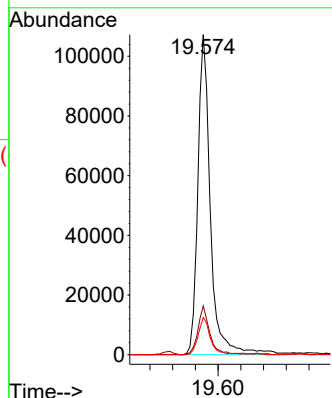
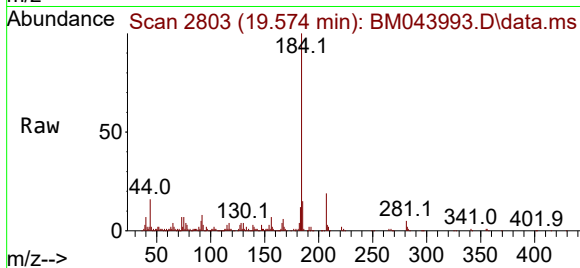
Tgt Ion:184 Resp: 165213

Ion Ratio Lower Upper

184 100

185 15.2 11.5 17.3

183 11.6 8.9 13.3



#78

Pyrene

Concen: 4.979 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

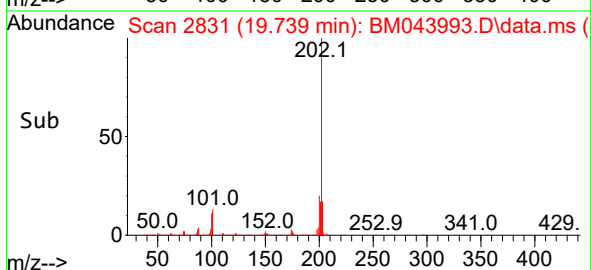
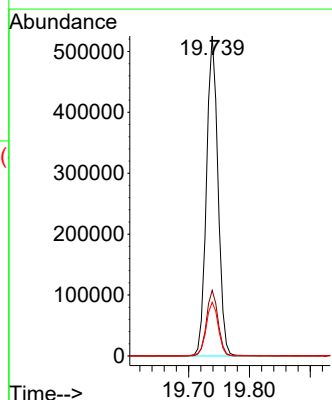
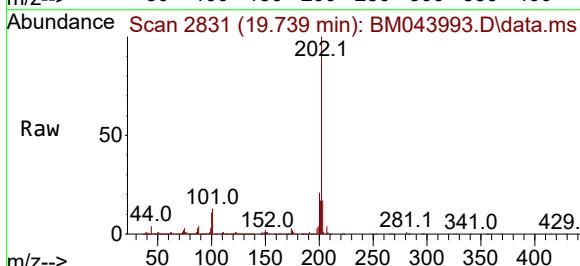
Tgt Ion:202 Resp: 689969

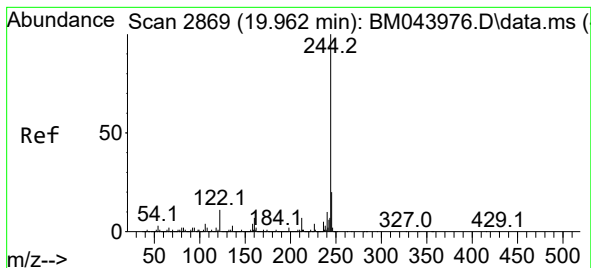
Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

203 16.7 14.2 21.4





#79

Terphenyl-d14

Concen: 99.703 ng

RT: 19.956 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

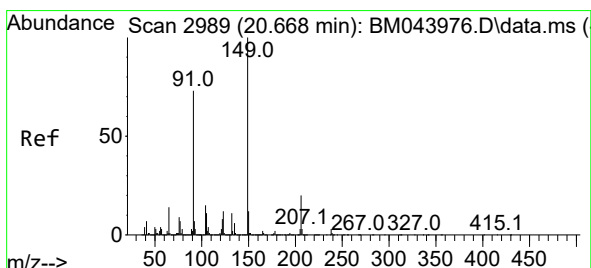
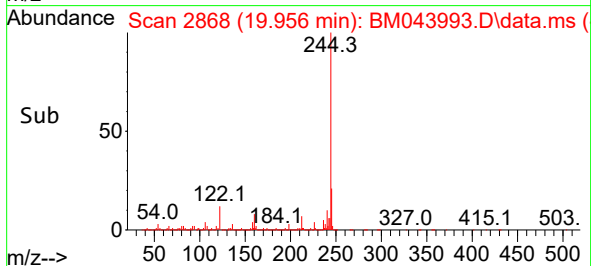
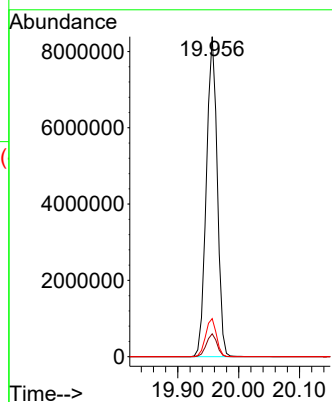
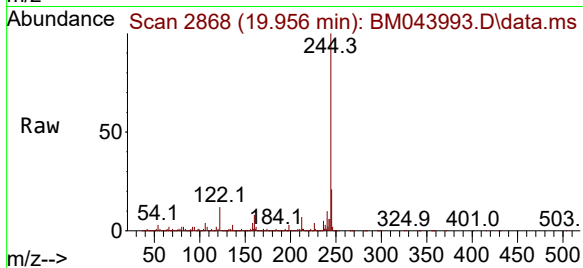
Tgt Ion:244 Resp:10412750

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 11.9 8.7 13.1



#80

Butylbenzylphthalate

Concen: 4.744 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

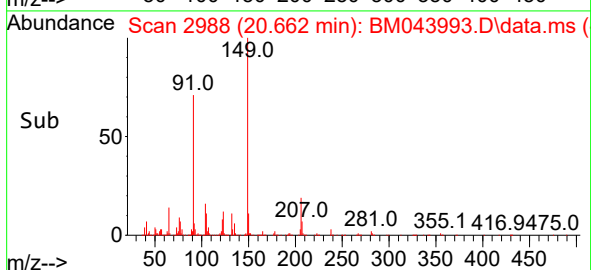
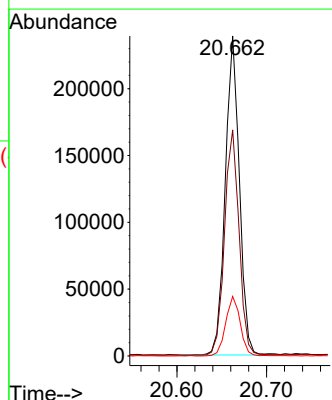
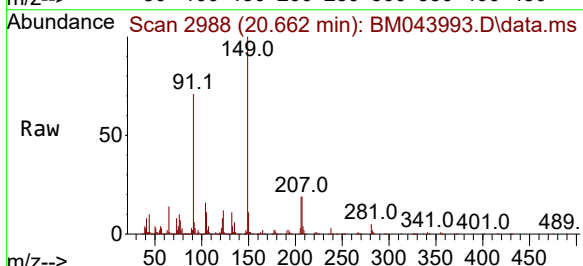
Tgt Ion:149 Resp: 260344

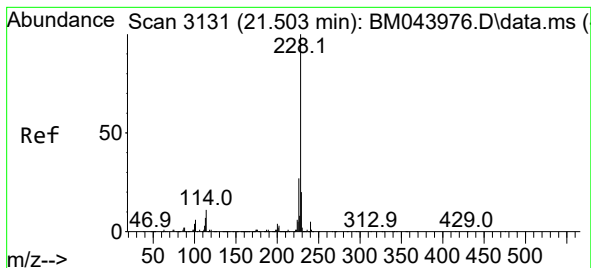
Ion Ratio Lower Upper

149 100

91 70.6 58.4 87.6

206 18.6 15.8 23.6





#81

Benzo(a)anthracene

Concen: 5.141 ng

RT: 21.497 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

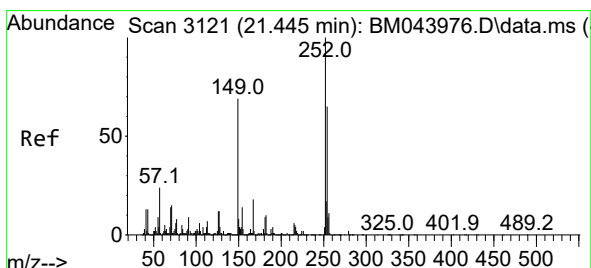
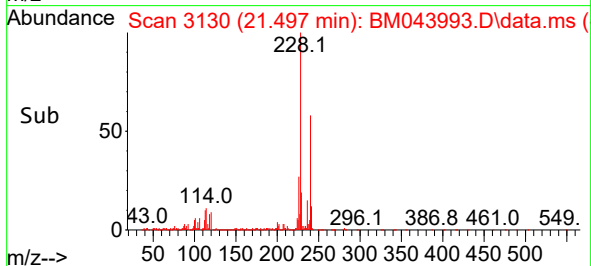
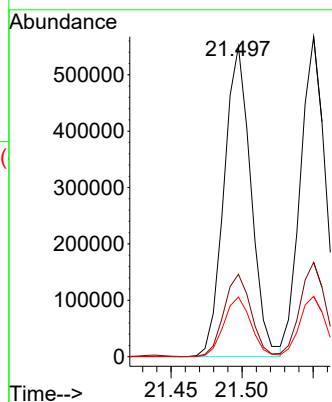
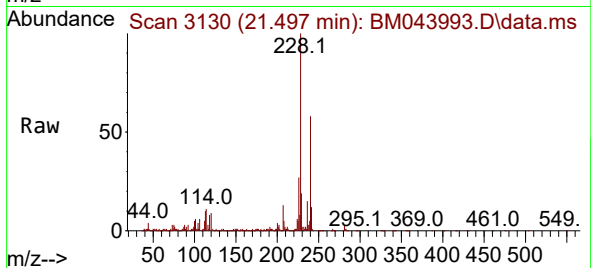
Tgt Ion:228 Resp: 727198

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.8

229 19.3 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 4.744 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

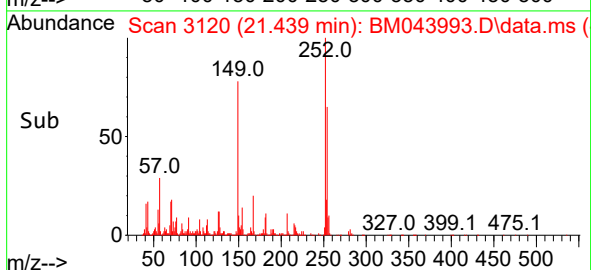
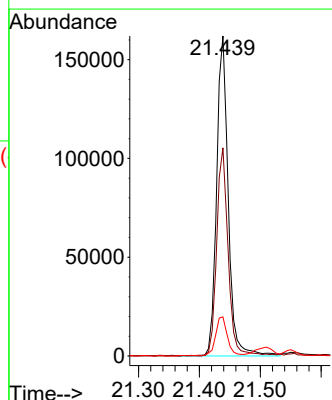
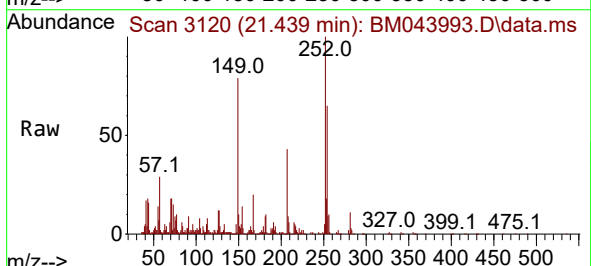
Tgt Ion:252 Resp: 214566

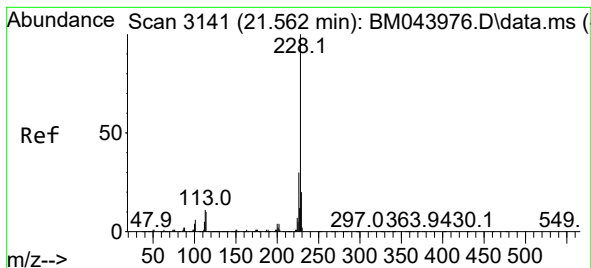
Ion Ratio Lower Upper

252 100

254 65.0 51.6 77.4

126 12.2 9.4 14.2





#83

Chrysene

Concen: 5.159 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

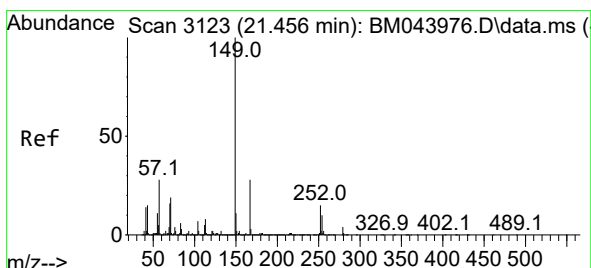
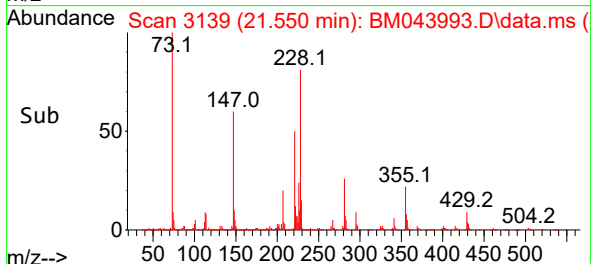
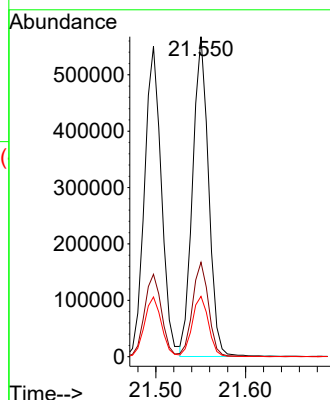
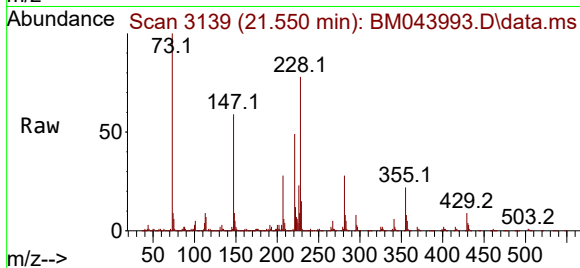
Tgt Ion:228 Resp: 699074

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.4

229 18.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.759 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

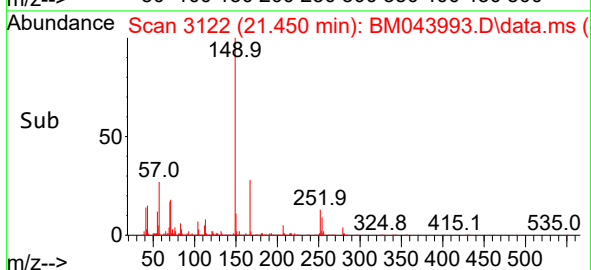
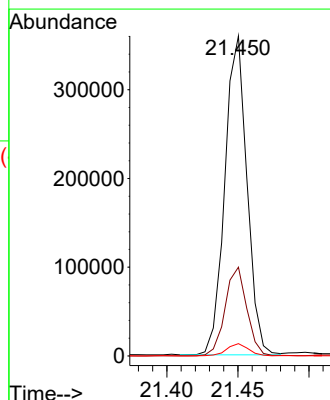
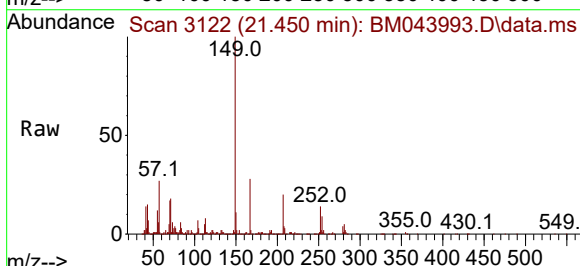
Tgt Ion:149 Resp: 388353

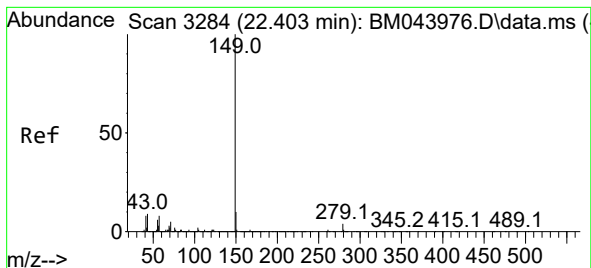
Ion Ratio Lower Upper

149 100

167 27.8 22.0 33.0

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 4.594 ng

RT: 22.391 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

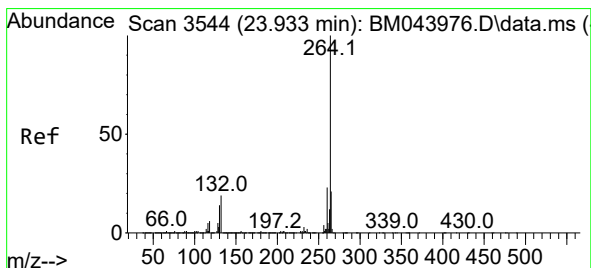
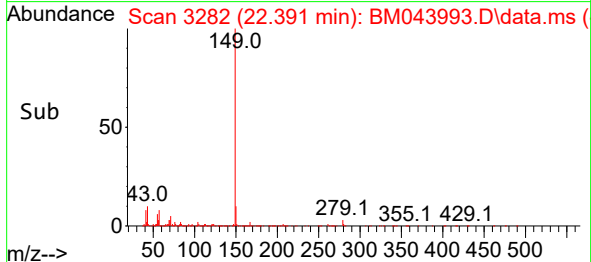
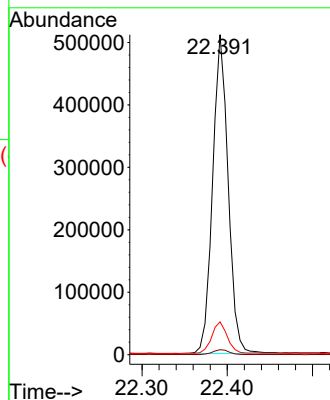
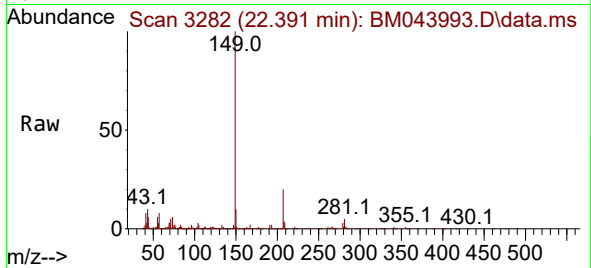
Tgt Ion:149 Resp: 645822

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.2 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3542

Delta R.T. -0.012 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

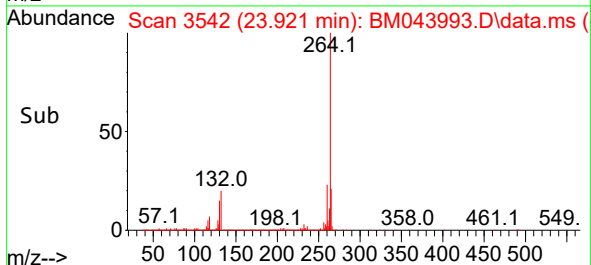
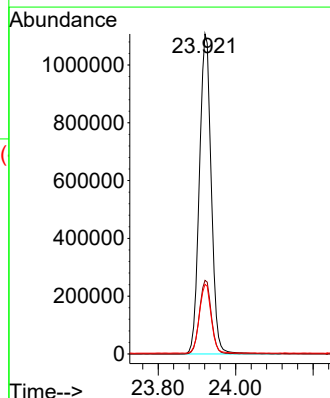
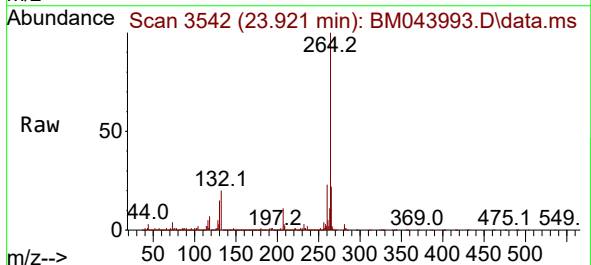
Tgt Ion:264 Resp: 2345650

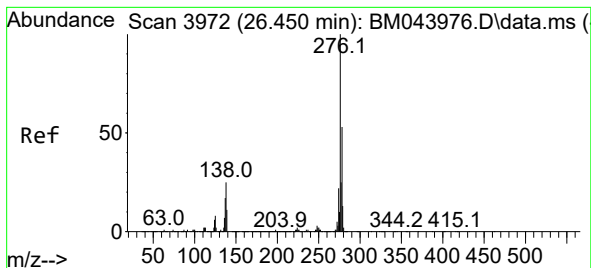
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.588 ng

RT: 26.415 min Scan# 3972

Delta R.T. -0.035 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

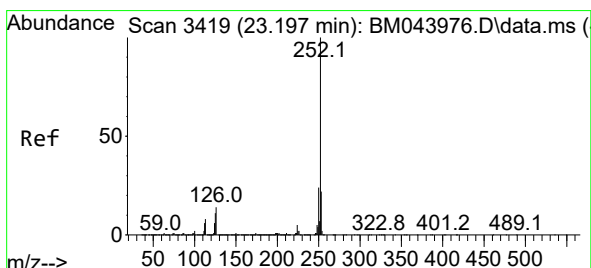
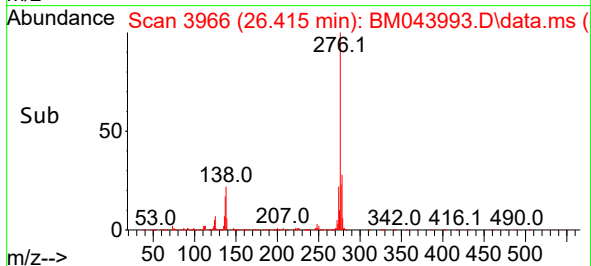
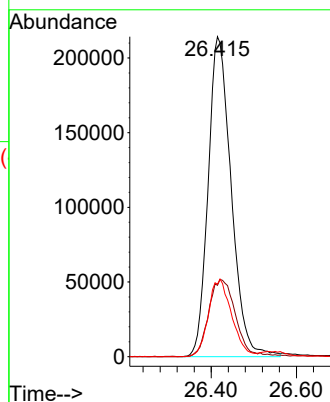
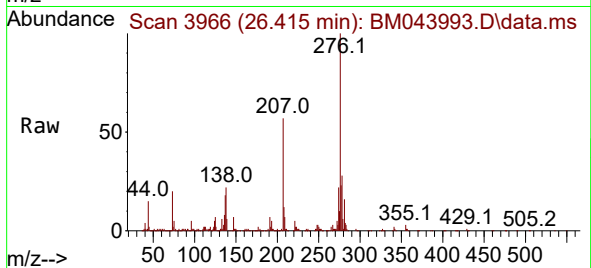
Tgt Ion:276 Resp: 805266

Ion Ratio Lower Upper

276 100

138 28.3 21.8 32.6

277 24.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 4.994 ng

RT: 23.186 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

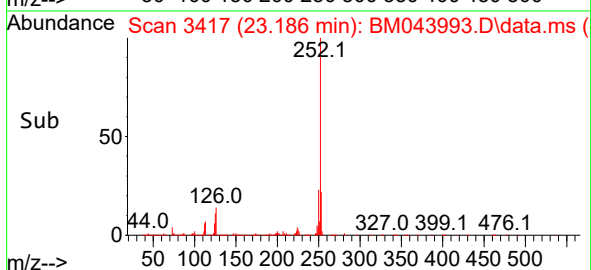
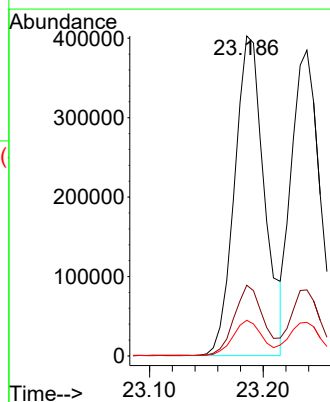
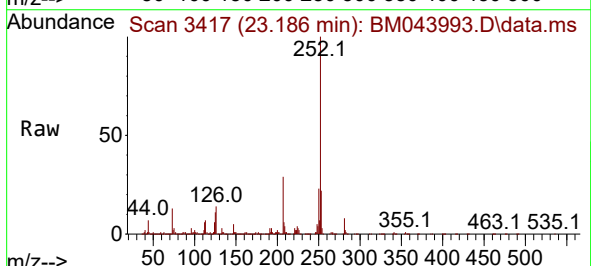
Tgt Ion:252 Resp: 736896

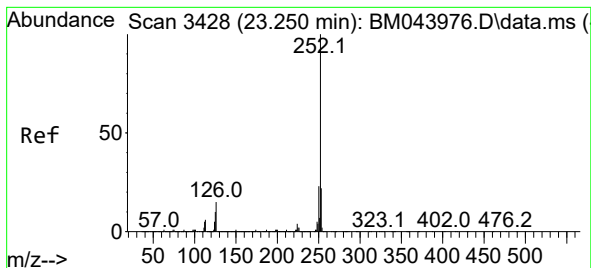
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.1 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 4.729 ng

RT: 23.238 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

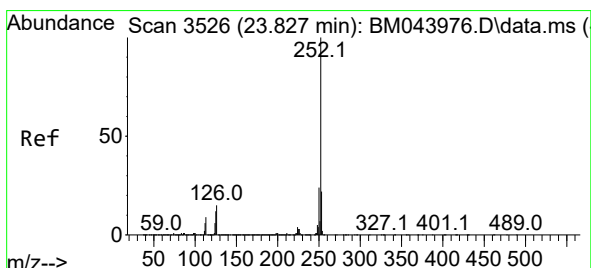
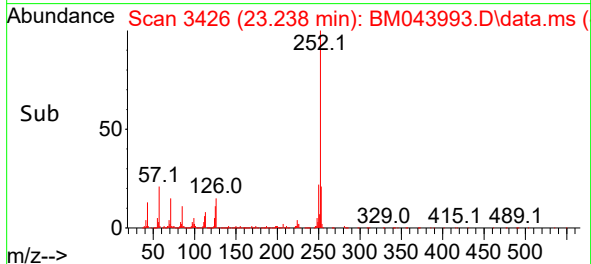
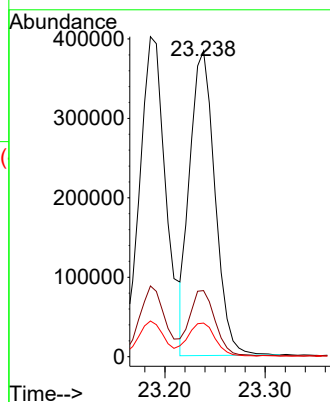
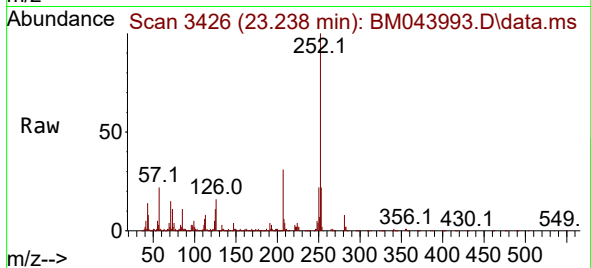
Tgt Ion:252 Resp: 669416

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 11.0 8.3 12.5



#90

Benzo(a)pyrene

Concen: 4.669 ng

RT: 23.815 min Scan# 3524

Delta R.T. -0.012 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

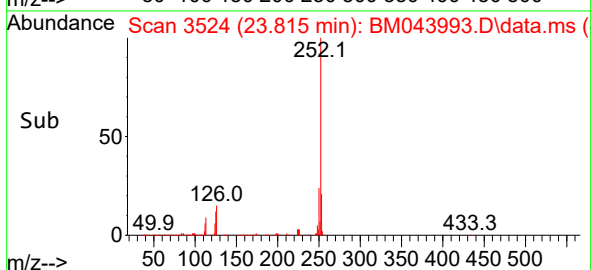
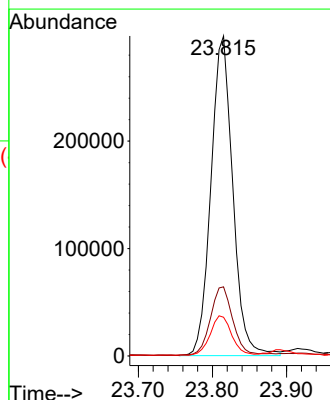
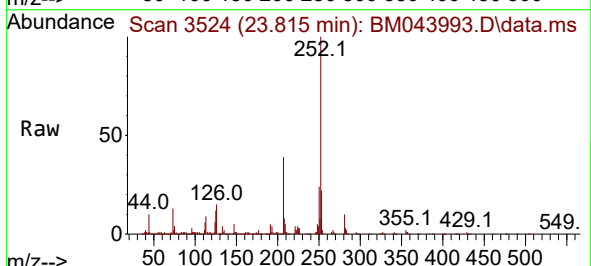
Tgt Ion:252 Resp: 608932

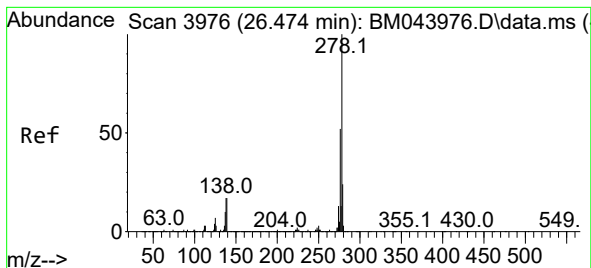
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 4.729 ng

RT: 26.444 min Scan# 3976

Delta R.T. -0.030 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

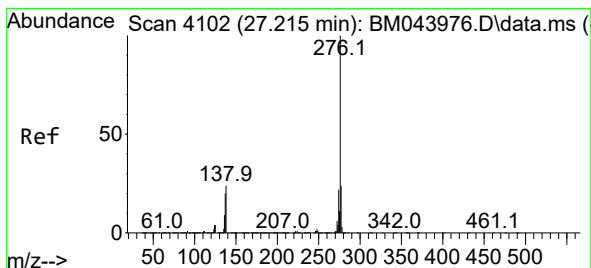
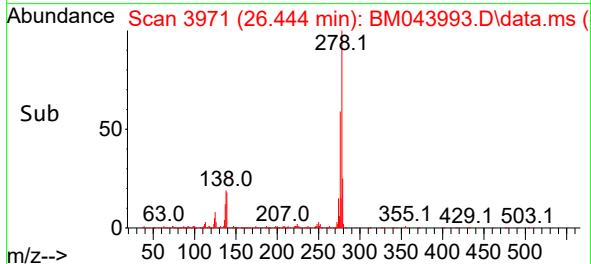
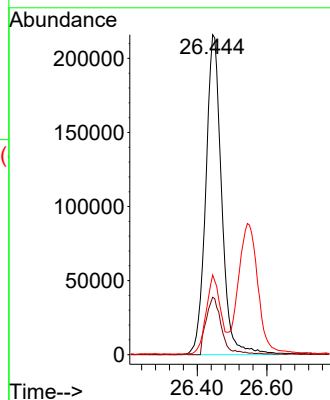
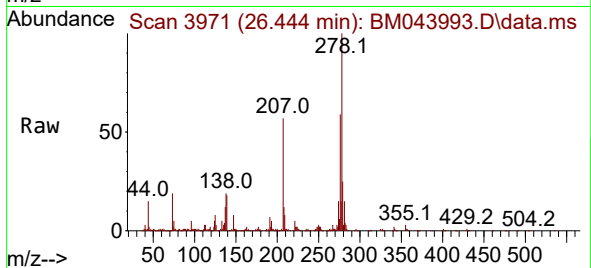
Tgt Ion:278 Resp: 684570

Ion Ratio Lower Upper

278 100

139 18.0 13.7 20.5

279 24.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 4.520 ng

RT: 27.179 min Scan# 4096

Delta R.T. -0.035 min

Lab File: BM043993.D

Acq: 06 Feb 2024 15:51

Tgt Ion:276 Resp: 667383

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.5 18.8 28.2

