

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031423\
 Data File : BP014078.D
 Acq On : 14 Mar 2023 11:41
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 15 04:02:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	156699	20.000	ng	0.00
21) Naphthalene-d8	10.899	136	588321	20.000	ng	# 0.00
39) Acenaphthene-d10	14.716	164	392481	20.000	ng	0.00
64) Phenanthrene-d10	17.469	188	856905	20.000	ng	# 0.00
76) Chrysene-d12	21.551	240	731329	20.000	ng	0.00
86) Perylene-d12	24.086	264	678377	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	1084699	112.260	ng	0.00
7) Phenol-d6	7.228	99	1408946	111.063	ng	0.00
23) Nitrobenzene-d5	9.252	82	1062944	82.578	ng	0.00
42) 2,4,6-Tribromophenol	16.204	330	690182	108.459	ng	0.00
45) 2-Fluorobiphenyl	13.340	172	2389084	78.864	ng	0.00
79) Terphenyl-d14	20.010	244	3703701	83.508	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.470	88	16630	3.962	ng	96
3) Pyridine	3.905	79	33818	2.901	ng	95
4) n-Nitrosodimethylamine	3.799	42	17485	3.379	ng	# 92
6) Aniline	7.399	93	60777	3.647	ng	98
8) 2-Chlorophenol	7.634	128	39873	3.853	ng	93
9) Benzaldehyde	7.211	77	40934	6.448	ng	94
10) Phenol	7.252	94	51313	3.886	ng	91
11) bis(2-Chloroethyl)ether	7.493	93	42496	4.065	ng	97
12) 1,3-Dichlorobenzene	7.963	146	46102	4.054	ng	98
13) 1,4-Dichlorobenzene	8.111	146	47412	4.121	ng	98
14) 1,2-Dichlorobenzene	8.428	146	45251	4.106	ng	97
15) Benzyl Alcohol	8.322	79	35427	3.425	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.611	45	52822	4.641	ng	96
17) 2-Methylphenol	8.516	107	31043	3.297	ng	98
18) Hexachloroethane	9.163	117	16136	3.733	ng	96
19) n-Nitroso-di-n-propyla...	8.881	70	32752	3.922	ng	# 97
20) 3+4-Methylphenols	8.852	107	39598	3.122	ng	96
22) Acetophenone	8.910	105	62055	3.760	ng	# 97
24) Nitrobenzene	9.293	77	55597	4.221	ng	96
25) Isophorone	9.816	82	84863	3.578	ng	96
26) 2-Nitrophenol	10.010	139	17160	2.995	ng	93
27) 2,4-Dimethylphenol	10.057	122	32199	3.457	ng	93
28) bis(2-Chloroethoxy)met...	10.299	93	53458	3.894	ng	98
29) 2,4-Dichlorophenol	10.552	162	31886	3.127	ng	98
30) 1,2,4-Trichlorobenzene	10.757	180	43492	3.757	ng	98
31) Naphthalene	10.946	128	124221	3.843	ng	99
32) Benzoic acid	10.163	122	4284	3.225	ng	90
33) 4-Chloroaniline	11.069	127	42853	3.092	ng	95
34) Hexachlorobutadiene	11.228	225	29011	3.447	ng	95
35) Caprolactam	11.840	113	9497	3.254	ng	# 81
36) 4-Chloro-3-methylphenol	12.175	107	38622	3.396	ng	93
37) 2-Methylnaphthalene	12.551	142	85479	3.584	ng	96
38) 1-Methylnaphthalene	12.763	142	80689	3.629	ng	99
40) 1,2,4,5-Tetrachloroben...	12.910	216	52886	3.535	ng	99
41) Hexachlorocyclopentadiene	12.887	237	26889	2.864	ng	96
43) 2,4,6-Trichlorophenol	13.151	196	29710	3.142	ng	97

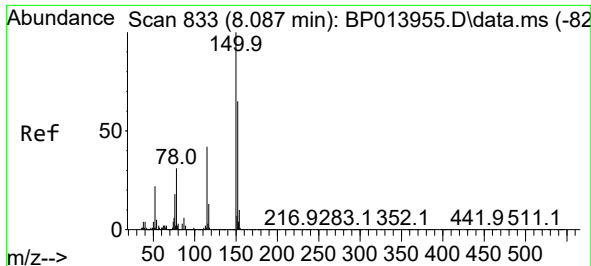
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.228	196	29706	2.711	ng	92
46) 1,1'-Biphenyl	13.546	154	126621	4.008	ng	98
47) 2-Chloronaphthalene	13.593	162	93797	3.857	ng	98
48) 2-Nitroaniline	13.804	65	22539	3.054	ng	100
49) Acenaphthylene	14.434	152	130388	3.371	ng	99
50) Dimethylphthalate	14.163	163	116585	3.601	ng	100
51) 2,6-Dinitrotoluene	14.287	165	21681	3.180	ng	92
52) Acenaphthene	14.775	154	84750	3.640	ng	99
53) 3-Nitroaniline	14.628	138	18420	2.756	ng	97
54) 2,4-Dinitrophenol	14.840	184	7400	4.486	ng	93
55) Dibenzofuran	15.110	168	143495	3.781	ng	97
56) 4-Nitrophenol	14.940	139	11918	2.190	ng	90
57) 2,4-Dinitrotoluene	15.081	165	26853	2.946	ng	# 98
58) Fluorene	15.763	166	115919	3.846	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.340	232	29810	3.118	ng	94
60) Diethylphthalate	15.522	149	113598	3.553	ng	98
61) 4-Chlorophenyl-phenyle...	15.751	204	62124	3.636	ng	97
62) 4-Nitroaniline	15.787	138	17575	2.641	ng	88
63) Azobenzene	16.045	77	106309	3.594	ng	96
65) 4,6-Dinitro-2-methylph...	15.845	198	13590	2.141	ng	95
66) n-Nitrosodiphenylamine	15.969	169	96148	3.551	ng	99
67) 4-Bromophenyl-phenylether	16.651	248	36979	3.262	ng	95
68) Hexachlorobenzene	16.769	284	45566	3.750	ng	96
69) Atrazine	16.916	200	33966	3.573	ng	99
70) Pentachlorophenol	17.122	266	21086	2.406	ng	92
71) Phenanthrene	17.510	178	178763	3.734	ng	98
72) Anthracene	17.604	178	172281	3.522	ng	98
73) Carbazole	17.875	167	149399	3.541	ng	99
74) Di-n-butylphthalate	18.404	149	166870	3.163	ng	99
75) Fluoranthene	19.469	202	191003	3.338	ng	98
77) Benzidine	19.645	184	70539	6.795	ng	97
78) Pyrene	19.822	202	204203	3.638	ng	98
80) Butylbenzylphthalate	20.675	149	61292	2.880	ng	99
81) Benzo(a)anthracene	21.533	228	188499	3.513	ng	98
82) 3,3'-Dichlorobenzidine	21.463	252	62369	3.632	ng	98
83) Chrysene	21.586	228	186342	3.667	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	82834	2.653	ng	98
85) Di-n-octyl phthalate	22.398	149	126991	2.506	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.751	276	154985	2.957	ng	# 96
88) Benzo(b)fluoranthene	23.304	252	164128	3.695	ng	99
89) Benzo(k)fluoranthene	23.357	252	170127	3.863	ng	# 98
90) Benzo(a)pyrene	23.974	252	135067	3.188	ng	98
91) Dibenzo(a,h)anthracene	26.774	278	132300	3.036	ng	99
92) Benzo(g,h,i)perylene	27.580	276	130545	3.023	ng	# 96

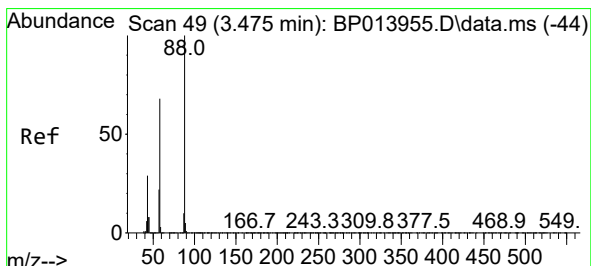
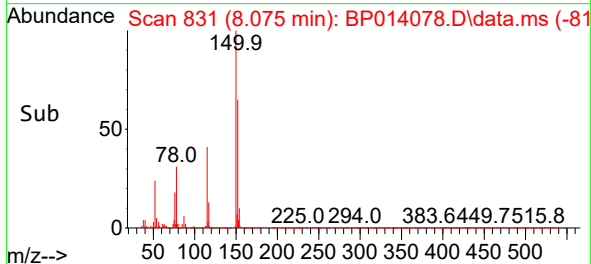
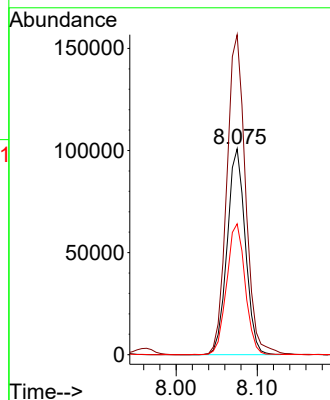
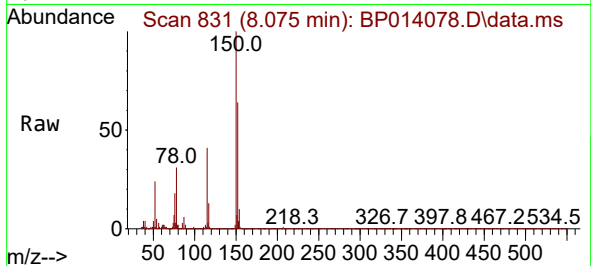
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.075 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014078.D
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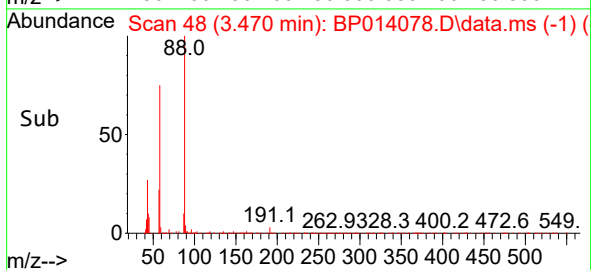
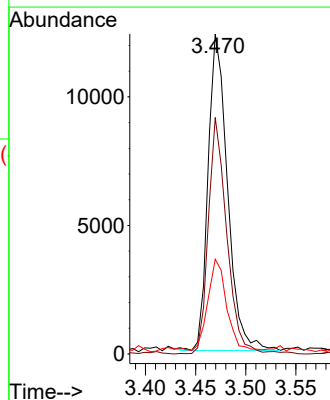
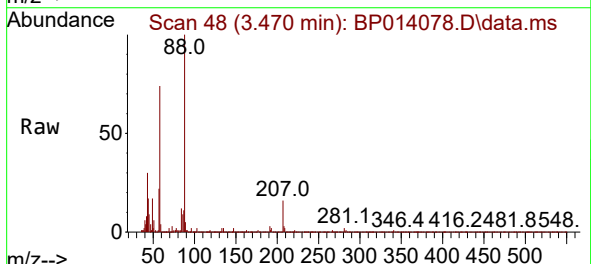
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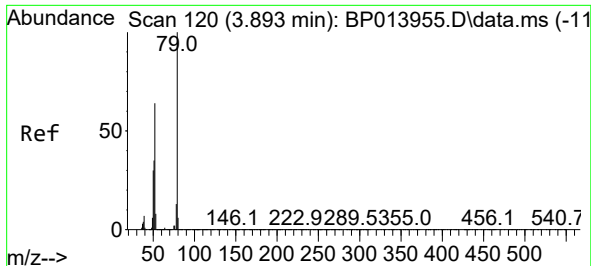
Tgt Ion:152 Resp: 156699
Ion Ratio Lower Upper
152 100
150 155.4 122.3 183.5
115 63.6 51.6 77.4



#2
1,4-Dioxane
Concen: 3.962 ng
RT: 3.470 min Scan# 48
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 88 Resp: 16630
Ion Ratio Lower Upper
88 100
58 71.3 53.8 80.8
43 29.0 22.1 33.1

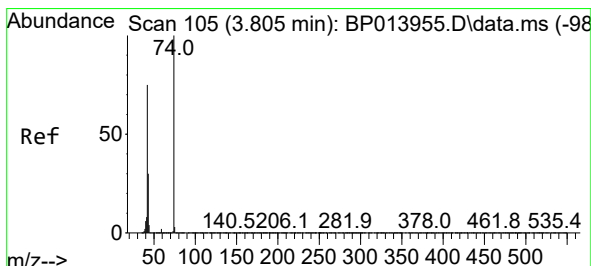
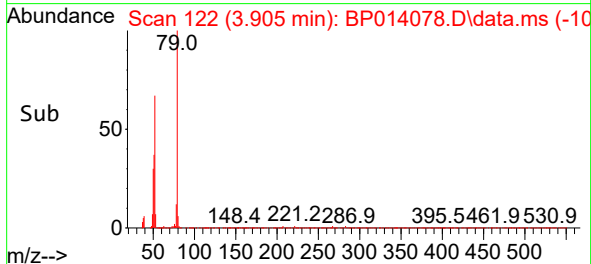
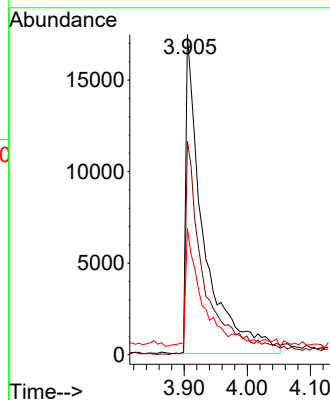
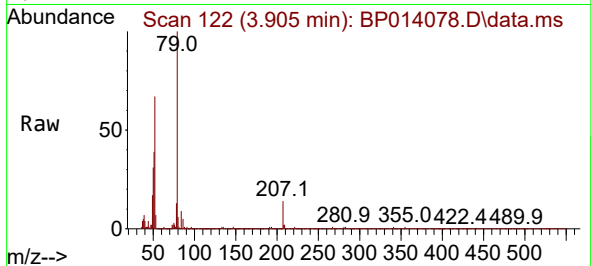




#3
Pyridine
Concen: 2.901 ng
RT: 3.905 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

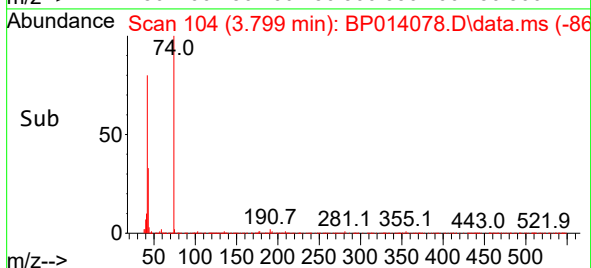
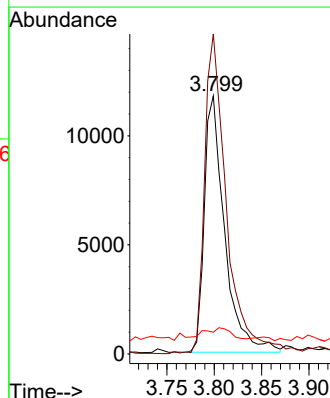
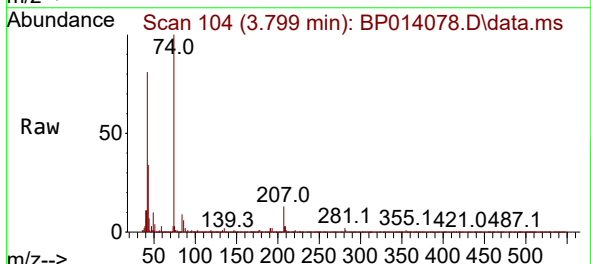
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MDL-SOIL-03-QT1-2022

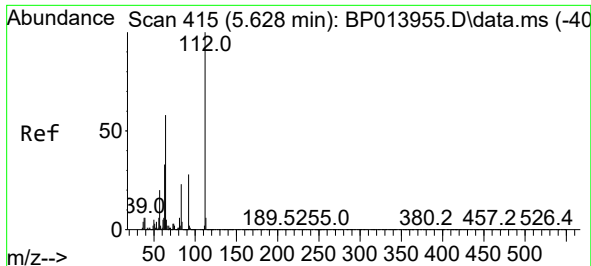
Tgt Ion: 79 Resp: 33818
Ion Ratio Lower Upper
79 100
52 66.7 51.0 76.4
51 39.4 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 3.379 ng
RT: 3.799 min Scan# 104
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 42 Resp: 17485
Ion Ratio Lower Upper
42 100
74 124.0 107.0 160.6
44 8.4 4.5 6.7#

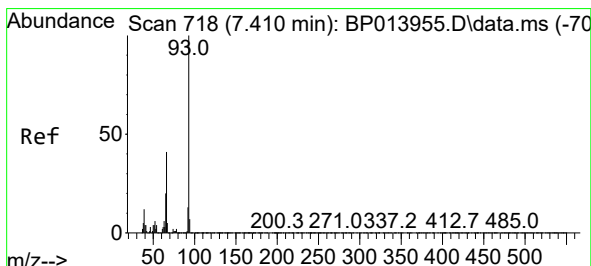
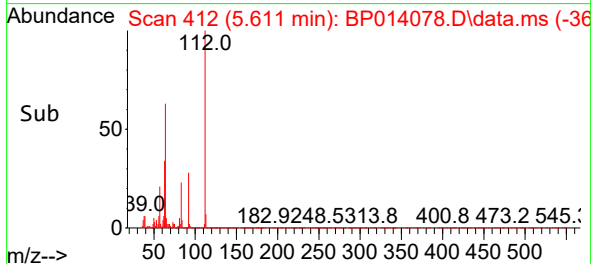
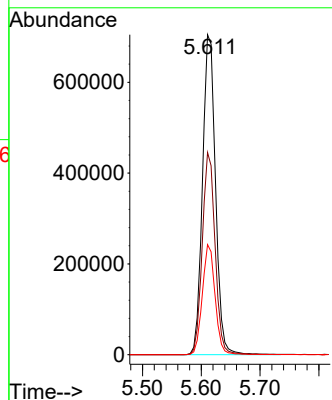
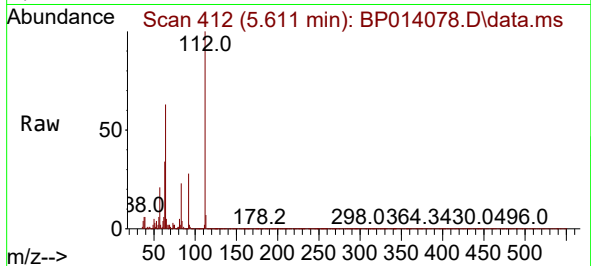




#5
2-Fluorophenol
Concen: 112.260 ng
RT: 5.611 min Scan# 411
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

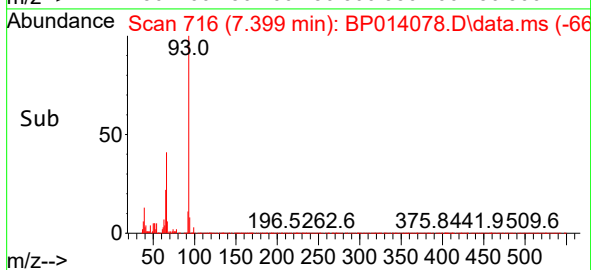
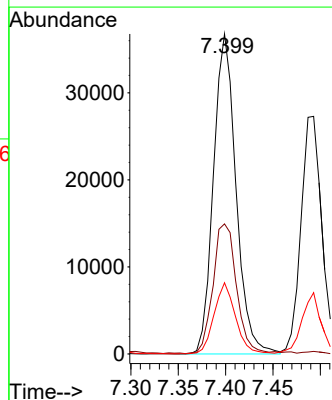
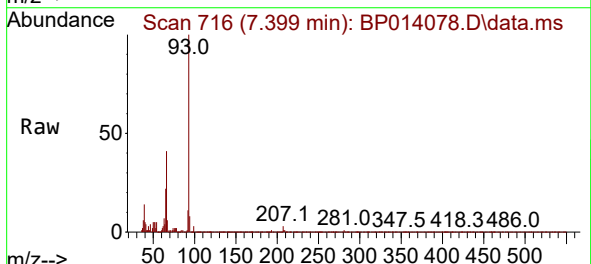
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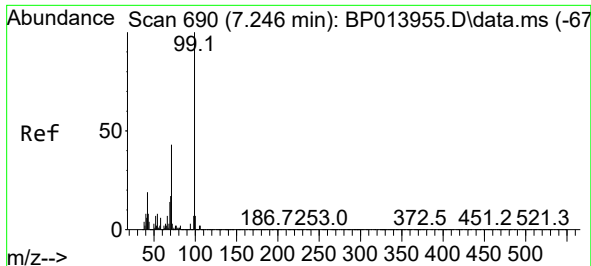
Tgt Ion:112 Resp: 1084699
Ion Ratio Lower Upper
112 100
64 63.2 46.7 70.1
63 34.4 26.6 40.0



#6
Aniline
Concen: 3.647 ng
RT: 7.399 min Scan# 716
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 93 Resp: 60777
Ion Ratio Lower Upper
93 100
66 40.6 32.6 48.8
65 22.2 16.0 24.0

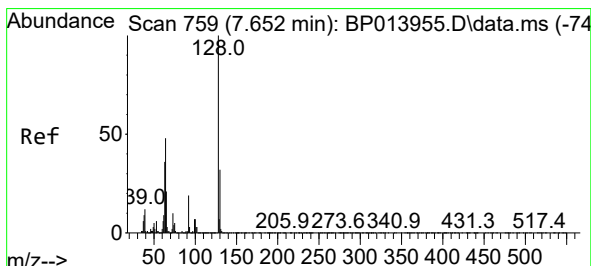
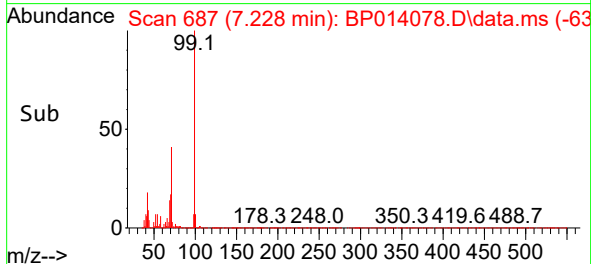
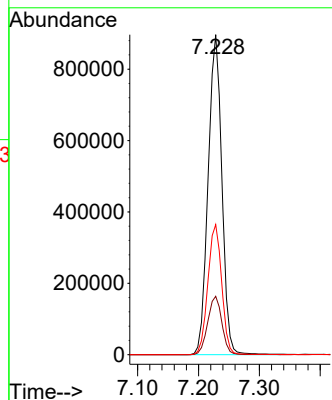
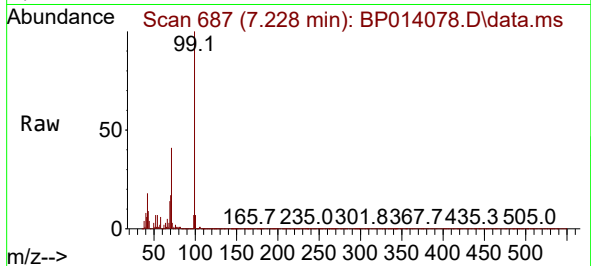




#7
Phenol-d6
Concen: 111.063 ng
RT: 7.228 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

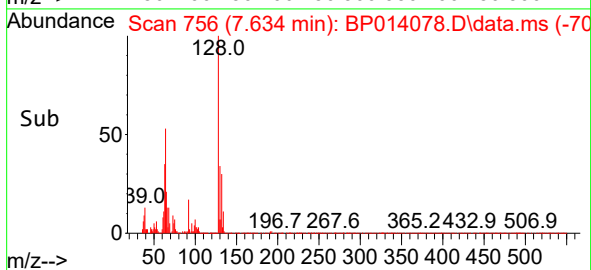
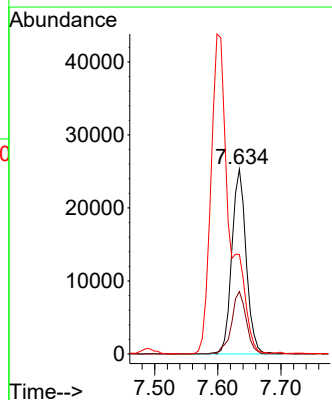
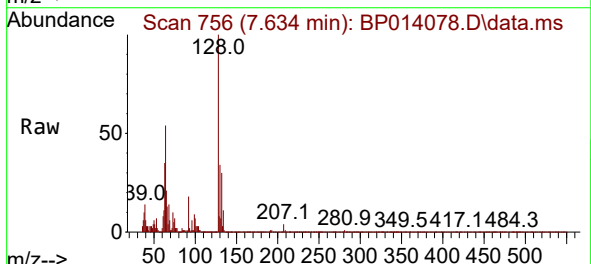
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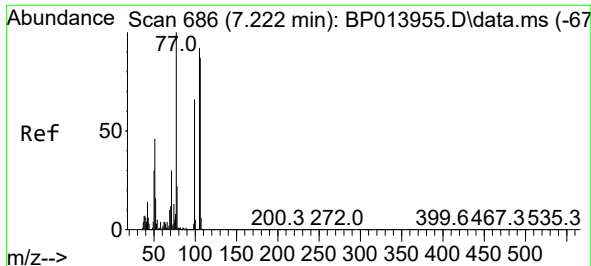
Tgt Ion: 99 Resp: 1408946
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.6
71 40.6 34.3 51.5



#8
2-Chlorophenol
Concen: 3.853 ng
RT: 7.634 min Scan# 756
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:128 Resp: 39873
Ion Ratio Lower Upper
128 100
130 33.8 12.3 52.3
64 53.8 27.6 67.6

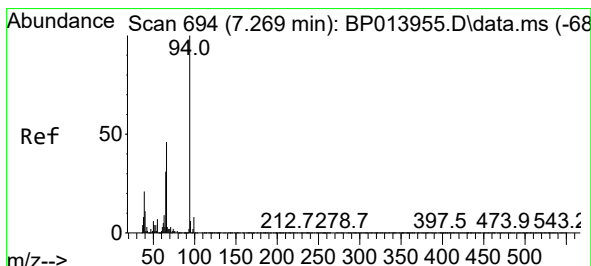
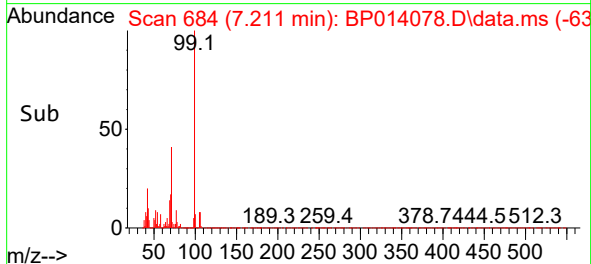
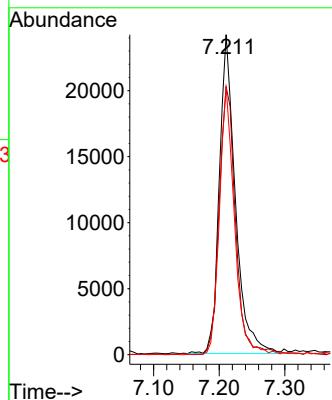
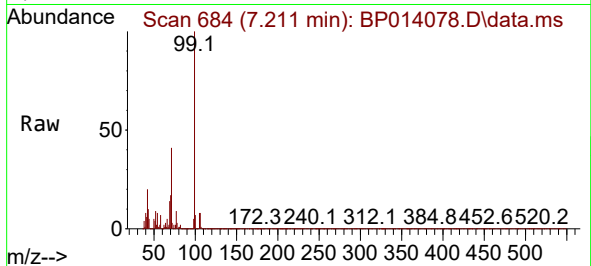




#9
Benzaldehyde
Concen: 6.448 ng
RT: 7.211 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

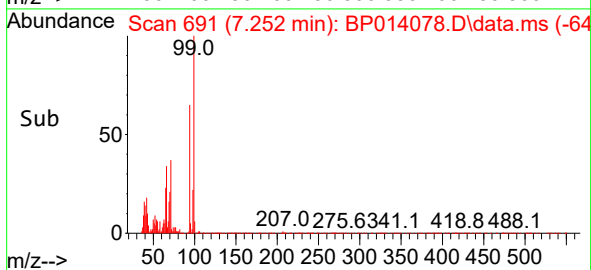
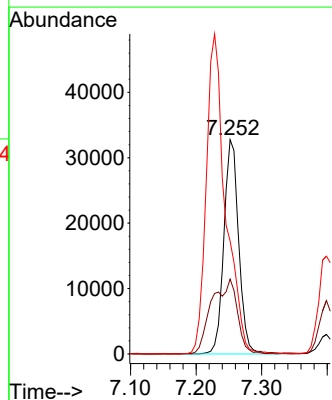
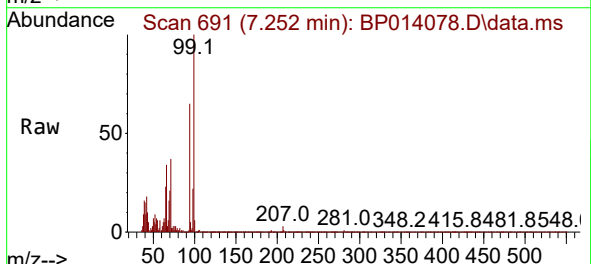
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ClientSampleId :
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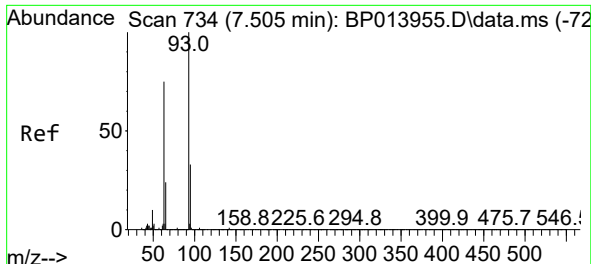
Tgt Ion: 77 Resp: 40934
Ion Ratio Lower Upper
77 100
105 83.7 72.4 112.4
106 83.8 66.9 106.9



#10
Phenol
Concen: 3.886 ng
RT: 7.252 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 94 Resp: 51313
Ion Ratio Lower Upper
94 100
65 35.0 10.9 50.9
66 52.7 26.1 66.1

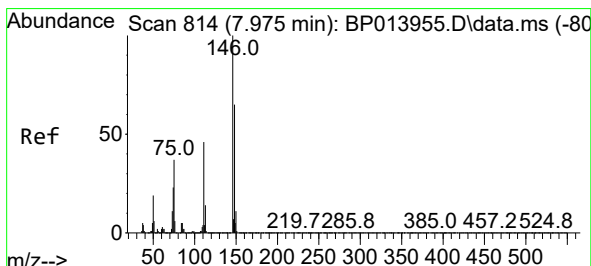
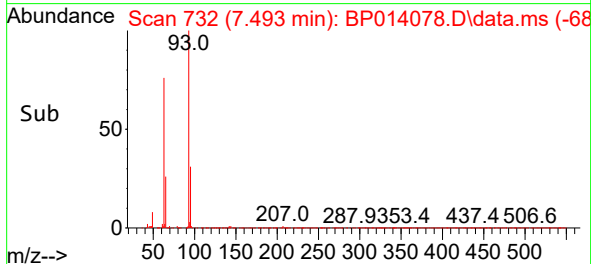
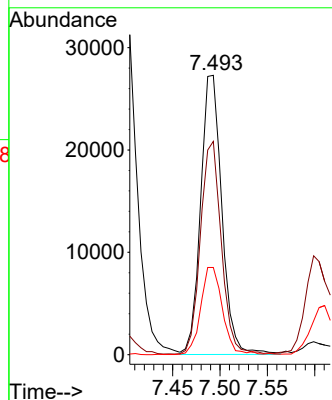
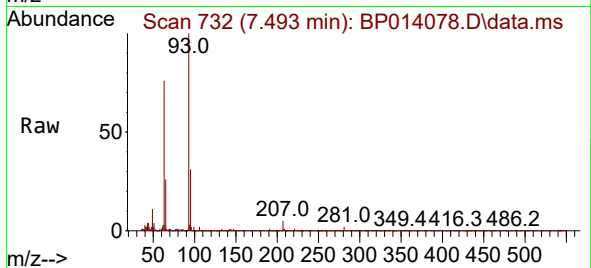




#11
bis(2-Chloroethyl)ether
Concen: 4.065 ng
RT: 7.493 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

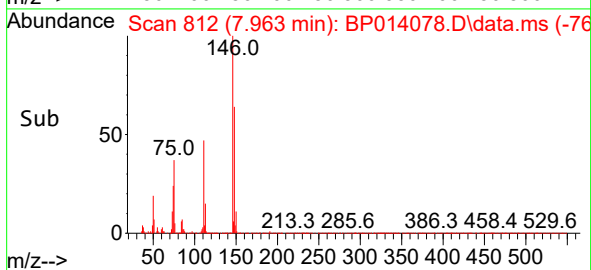
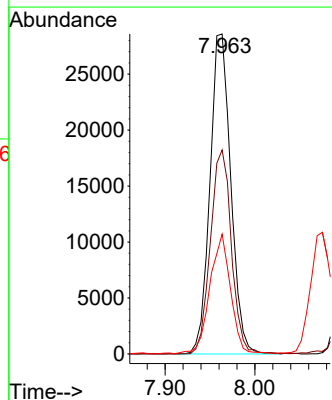
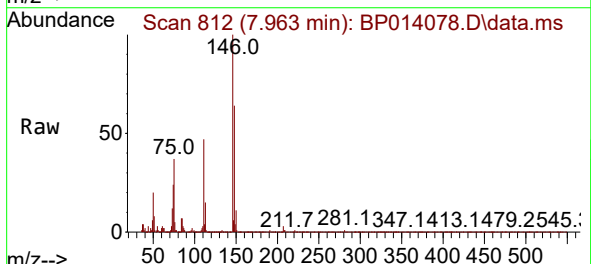
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

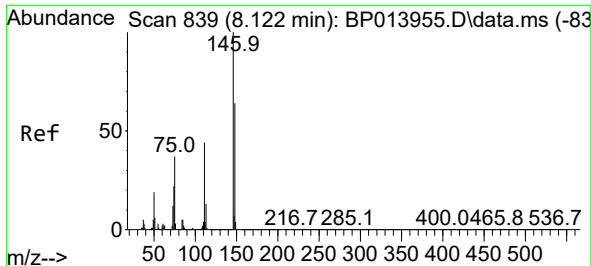
Tgt Ion: 93 Resp: 42496
Ion Ratio Lower Upper
93 100
63 76.3 54.2 94.2
95 31.2 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 4.054 ng
RT: 7.963 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 146 Resp: 46102
Ion Ratio Lower Upper
146 100
148 63.7 52.1 78.1
75 37.5 29.4 44.0

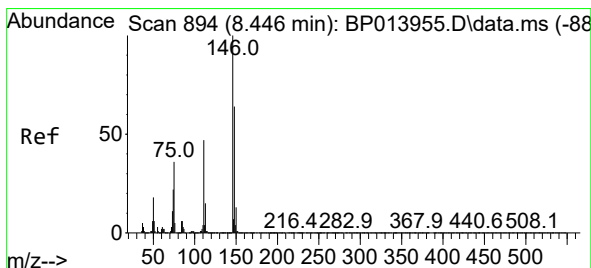
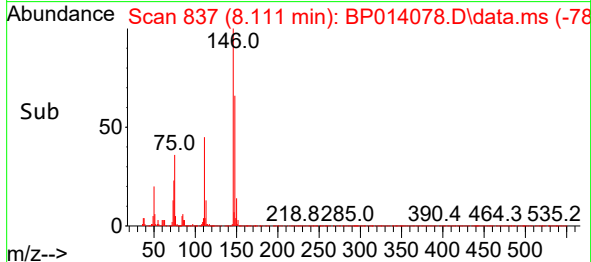
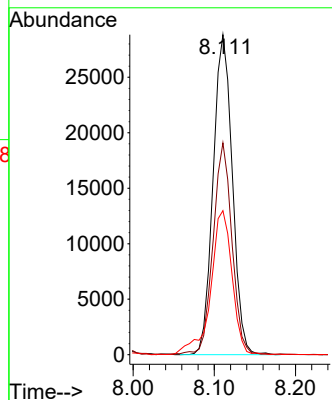
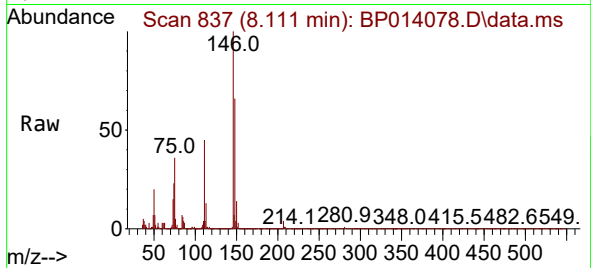




#13
1,4-Dichlorobenzene
Concen: 4.121 ng
RT: 8.111 min Scan# 811
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

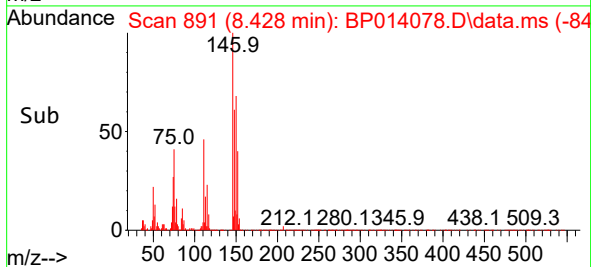
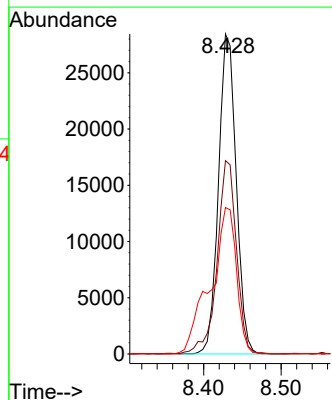
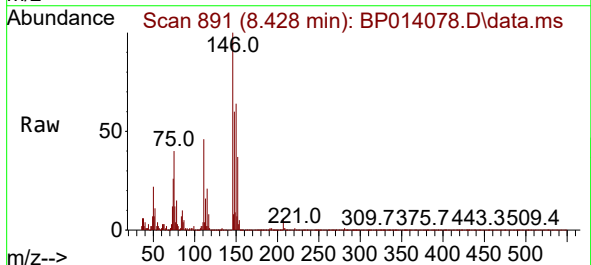
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

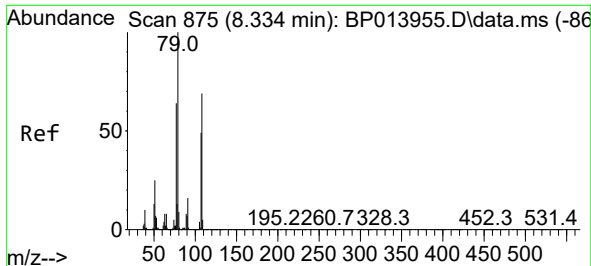
Tgt Ion:146 Resp: 47412
Ion Ratio Lower Upper
146 100
148 66.2 51.4 77.2
111 45.0 35.1 52.7



#14
1,2-Dichlorobenzene
Concen: 4.106 ng
RT: 8.428 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:146 Resp: 45251
Ion Ratio Lower Upper
146 100
148 60.4 51.4 77.0
111 45.8 37.2 55.8

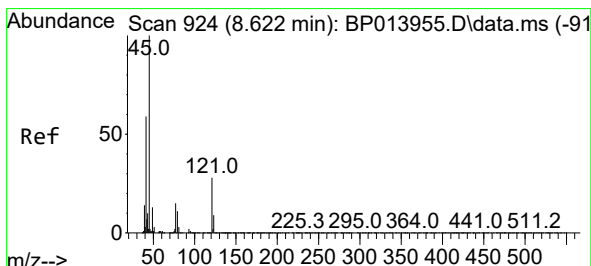
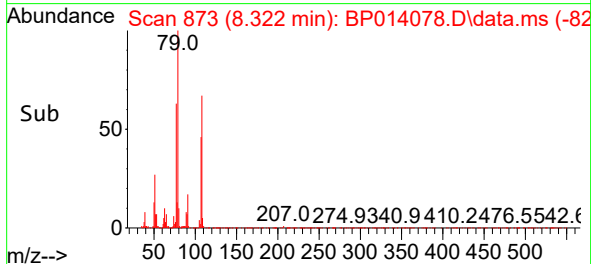
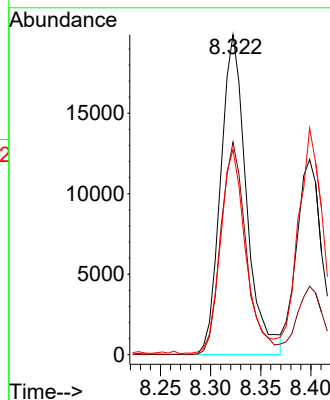
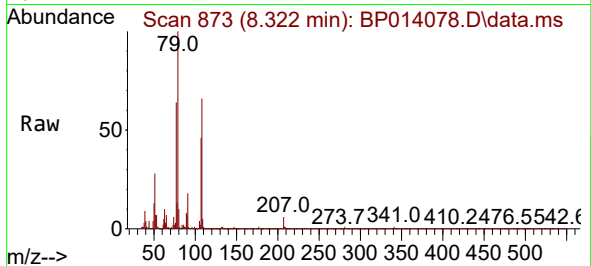




#15
Benzyl Alcohol
Concen: 3.425 ng
RT: 8.322 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

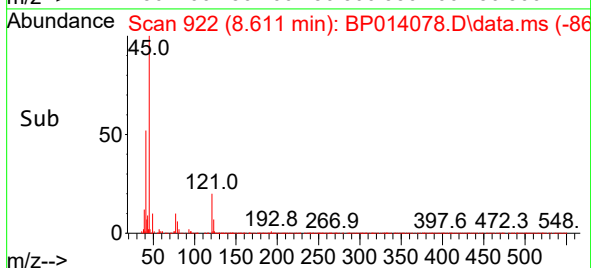
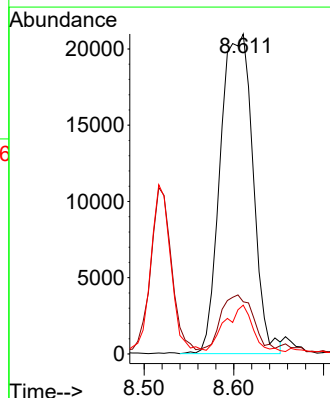
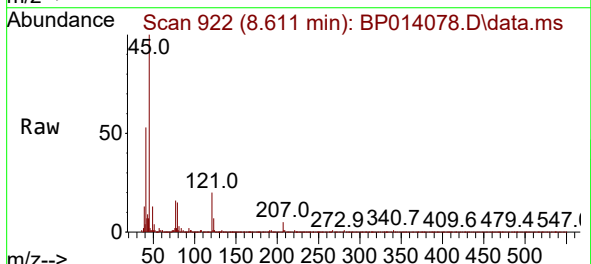
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

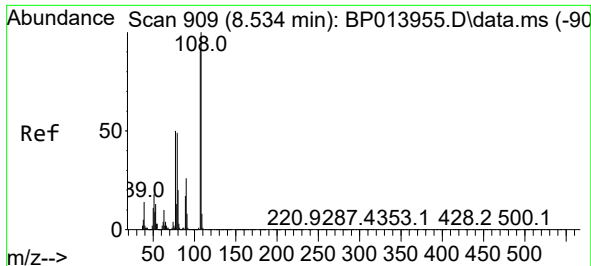
Tgt Ion: 79 Resp: 35427
Ion Ratio Lower Upper
79 100
108 66.4 54.9 82.3
77 64.1 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.641 ng
RT: 8.611 min Scan# 922
Delta R.T. 0.012 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 45 Resp: 52822
Ion Ratio Lower Upper
45 100
77 16.3 0.0 38.7
79 15.3 0.0 34.4





#17

2-Methylphenol

Concen: 3.297 ng

RT: 8.516 min Scan# 909

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:107 Resp: 31043

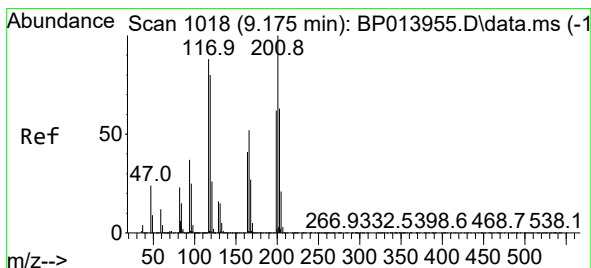
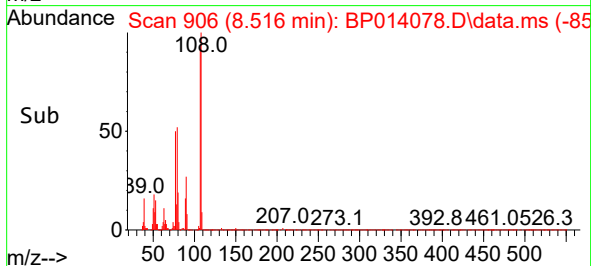
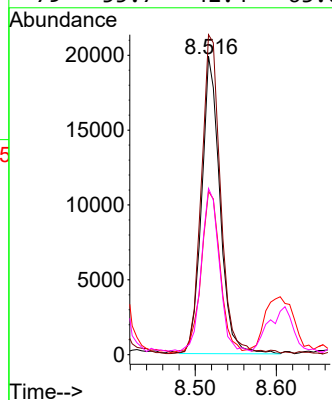
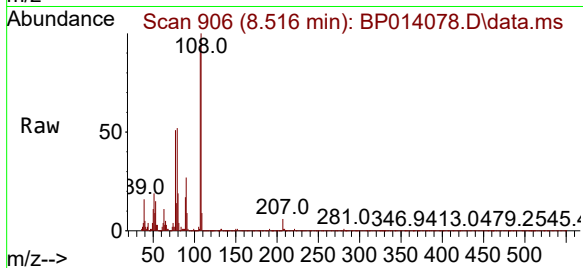
Ion Ratio Lower Upper

107 100

108 107.2 87.0 130.4

77 54.8 44.0 66.0

79 55.7 42.4 63.6



#18

Hexachloroethane

Concen: 3.733 ng

RT: 9.163 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

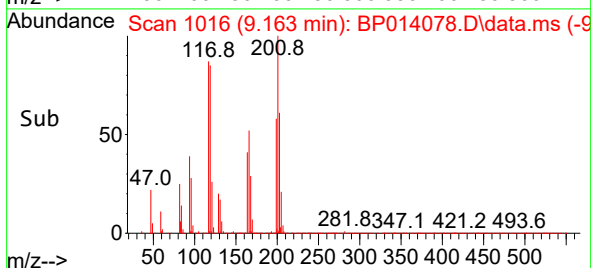
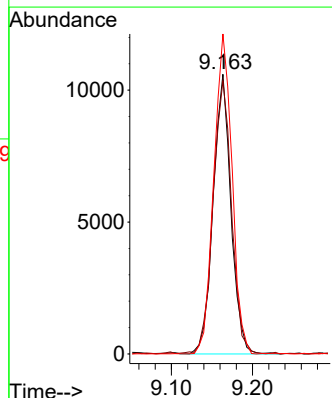
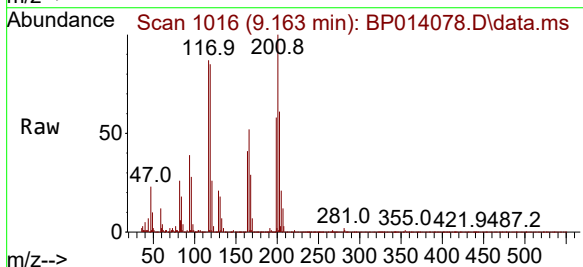
Tgt Ion:117 Resp: 16136

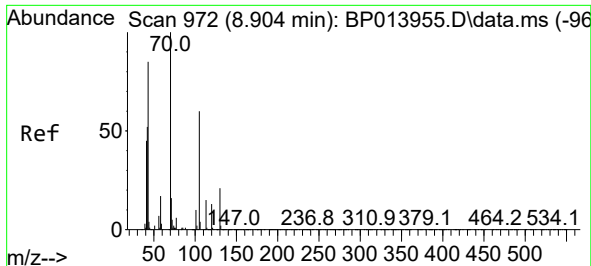
Ion Ratio Lower Upper

117 100

119 97.7 73.3 109.9

201 116.1 91.1 136.7

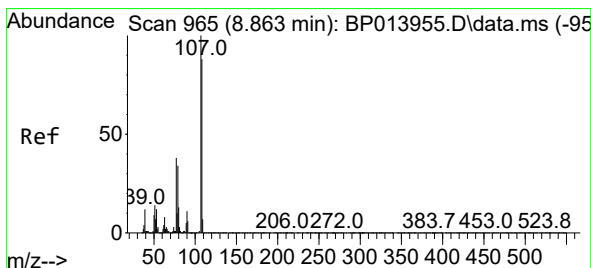
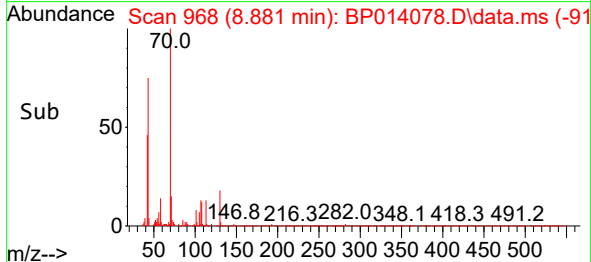
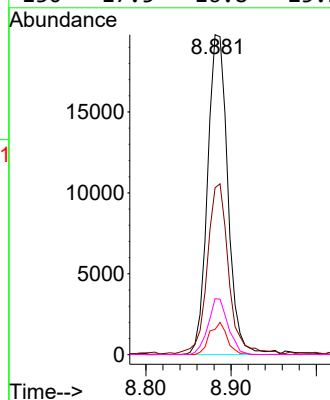
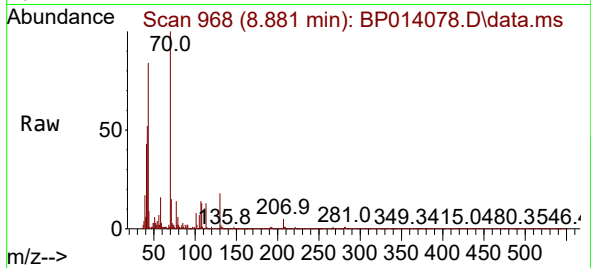




#19
n-Nitroso-di-n-propylamine
Concen: 3.922 ng
RT: 8.881 min Scan# 90
Delta R.T. -0.012 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

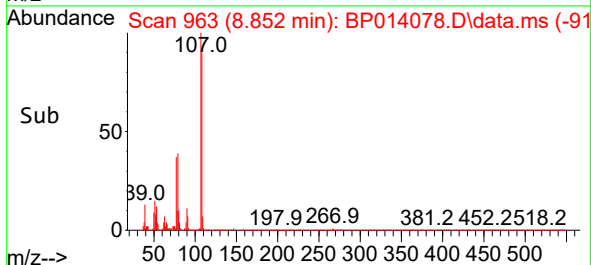
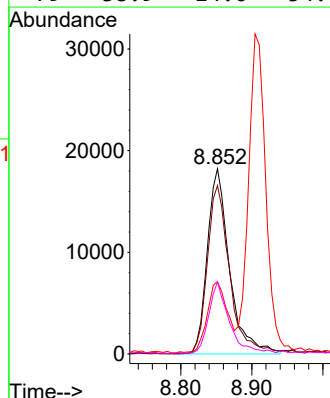
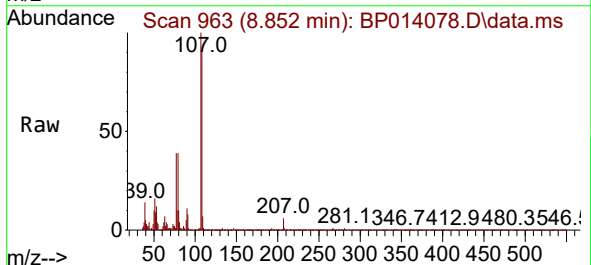
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

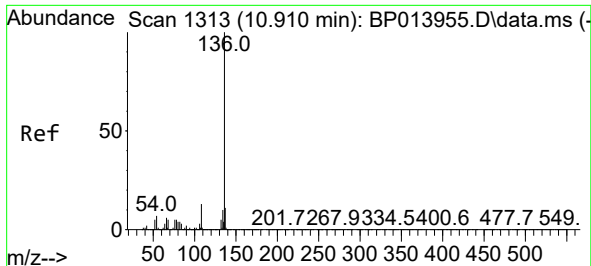
Tgt Ion:	70	Resp:	32752
Ion Ratio	Lower	Upper	
70	100		
42	52.1	42.4	63.6
101	7.9	8.2	12.4
130	17.5	16.8	25.2



#20
3+4-Methylphenols
Concen: 3.122 ng
RT: 8.852 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:	107	Resp:	39598
Ion Ratio	Lower	Upper	
107	100		
108	90.9	68.2	108.2
77	39.2	18.1	58.1
79	38.9	14.0	54.0

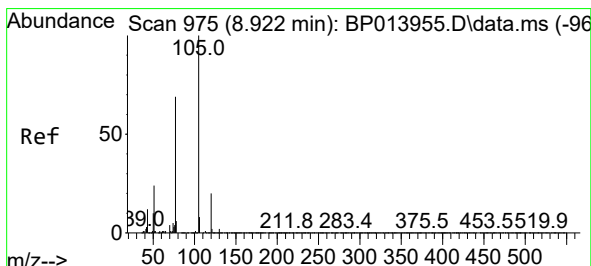
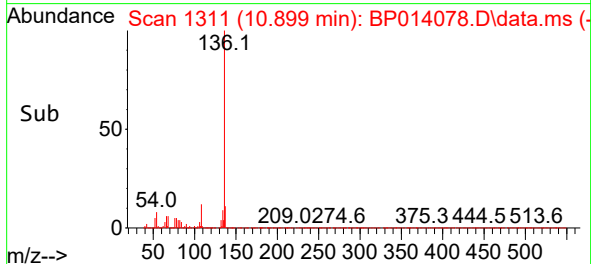
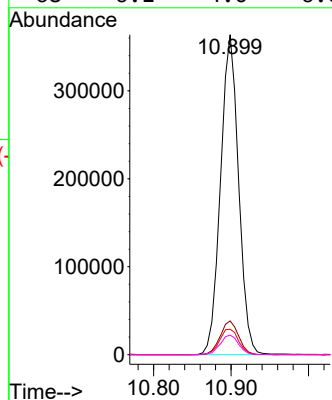
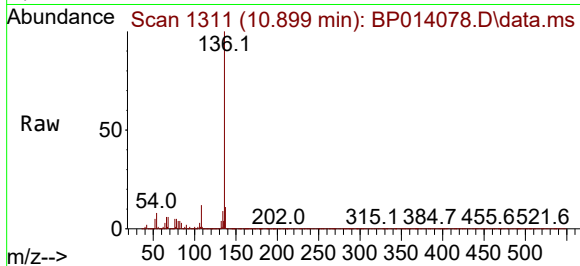




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.899 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

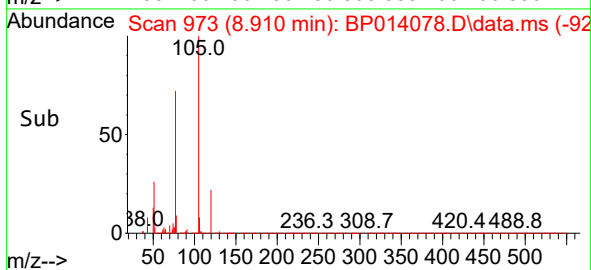
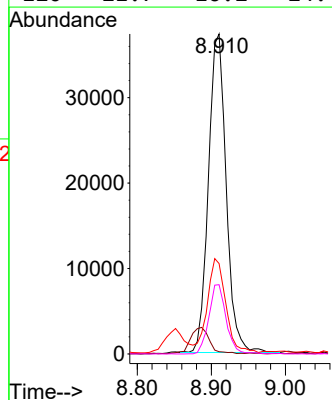
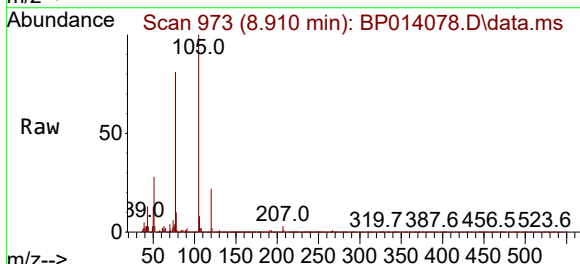
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

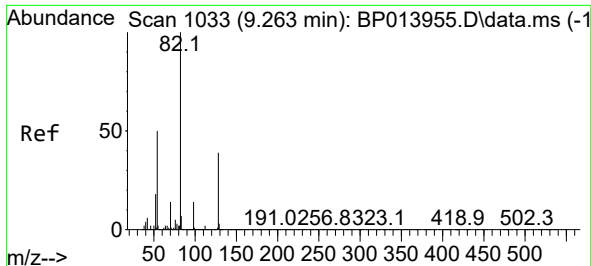
Tgt Ion:136 Resp: 588321
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.9 5.8 8.8
68 6.1 4.0 6.0#



#22
Acetophenone
Concen: 3.760 ng
RT: 8.910 min Scan# 973
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:105 Resp: 62055
Ion Ratio Lower Upper
105 100
71 0.7 1.4 2.0#
51 28.3 21.5 32.3
120 21.7 16.2 24.4

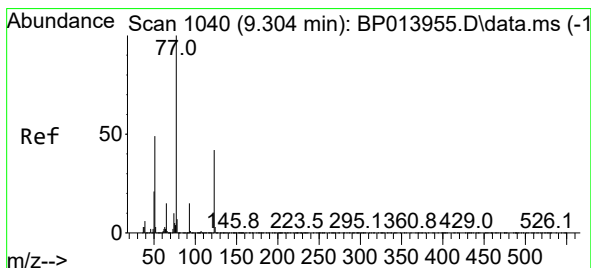
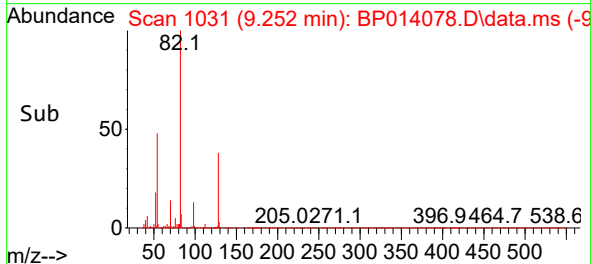
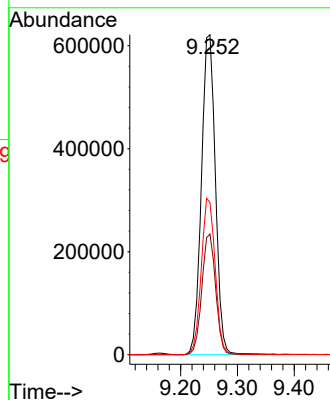
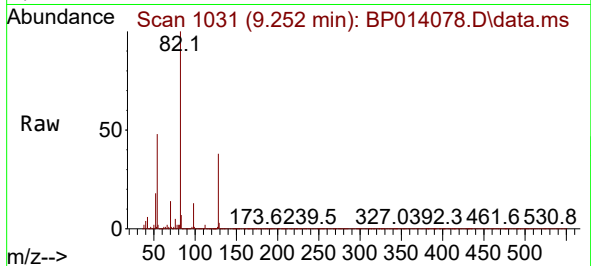




#23
Nitrobenzene-d5
Concen: 82.578 ng
RT: 9.252 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

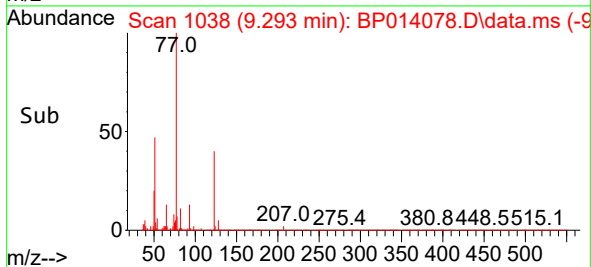
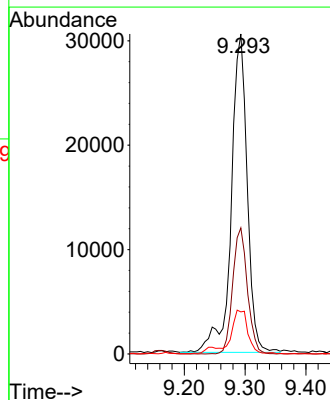
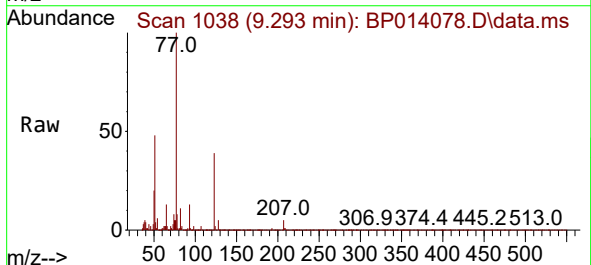
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

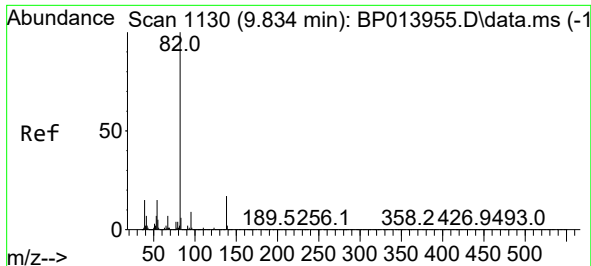
Tgt Ion: 82 Resp: 1062944
Ion Ratio Lower Upper
82 100
128 37.7 31.1 46.7
54 47.5 40.0 60.0



#24
Nitrobenzene
Concen: 4.221 ng
RT: 9.293 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 77 Resp: 55597
Ion Ratio Lower Upper
77 100
123 39.4 33.6 50.4
65 13.1 11.6 17.4

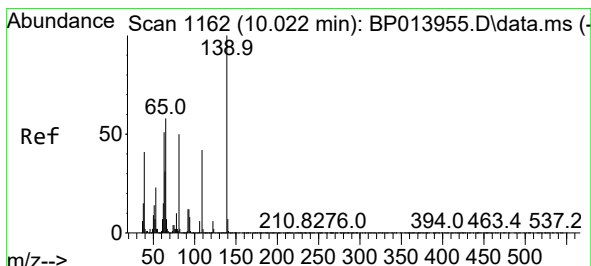
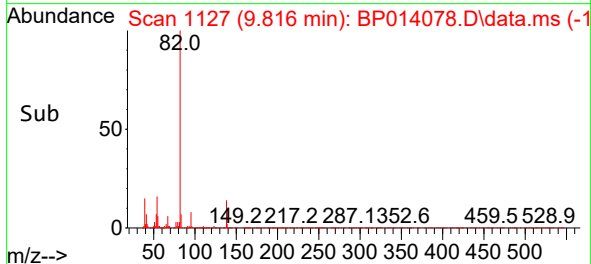
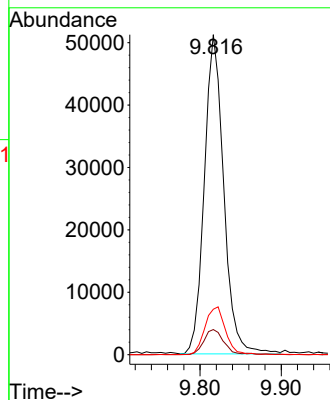
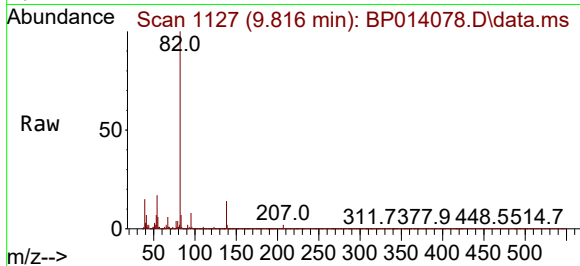




#25
Isophorone
Concen: 3.578 ng
RT: 9.816 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

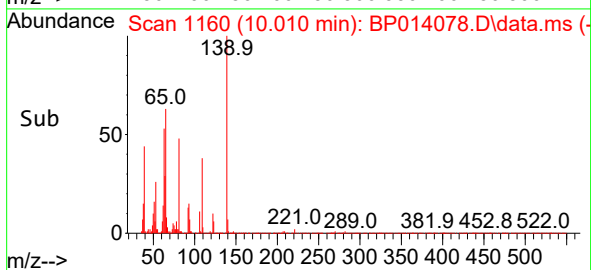
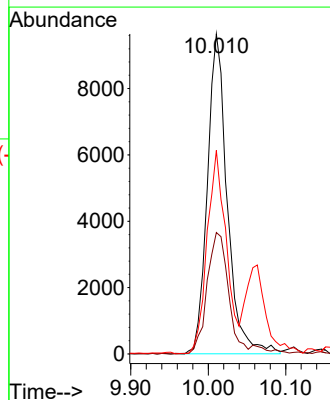
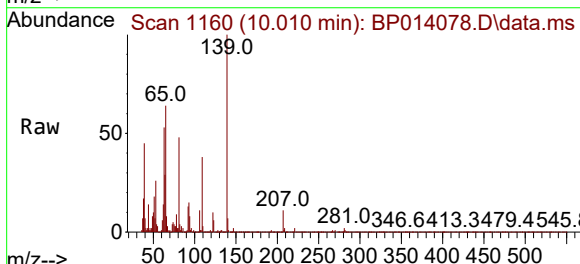
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

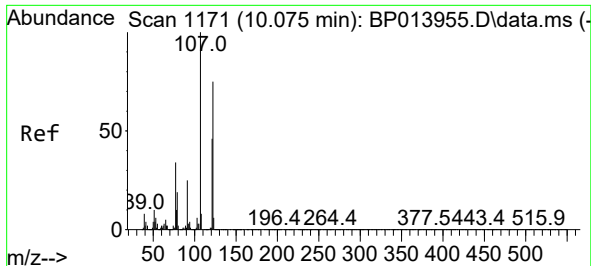
Tgt Ion:	82	Resp:	84863
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.9	10.3
138	14.2	13.3	19.9



#26
2-Nitrophenol
Concen: 2.995 ng
RT: 10.010 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:	139	Resp:	17160
Ion	Ratio	Lower	Upper
139	100		
109	38.0	33.8	50.8
65	63.6	46.6	70.0





#27

2,4-Dimethylphenol

Concen: 3.457 ng

RT: 10.057 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

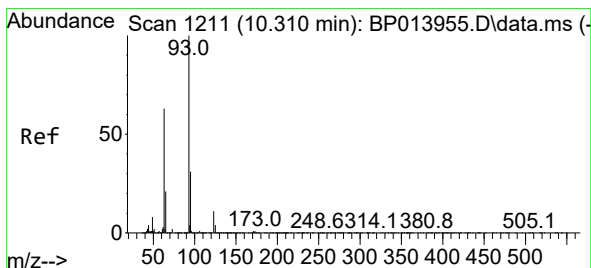
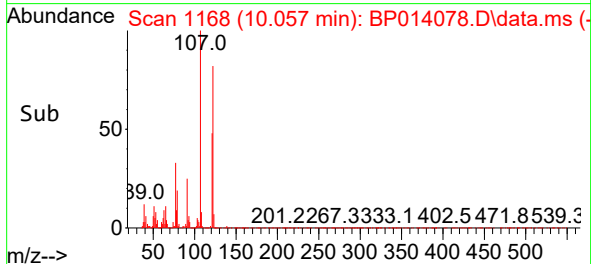
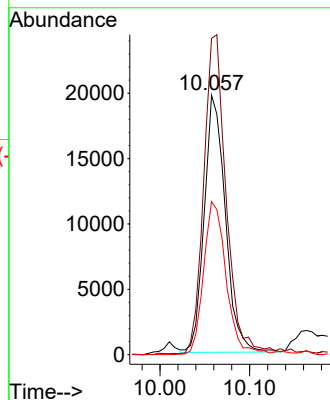
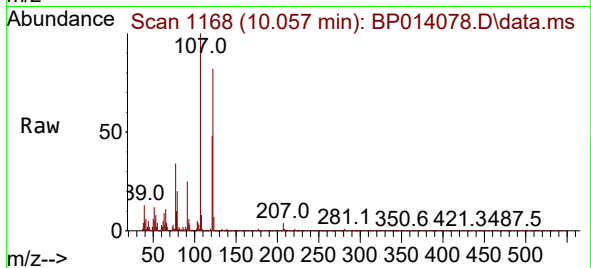
Tgt Ion:122 Resp: 32199

Ion Ratio Lower Upper

122 100

107 121.9 105.9 158.9

121 59.0 49.0 73.4



#28

bis(2-Chloroethoxy)methane

Concen: 3.894 ng

RT: 10.299 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

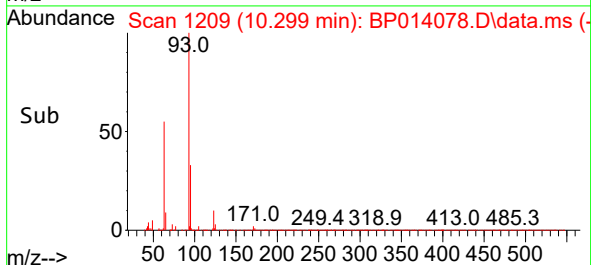
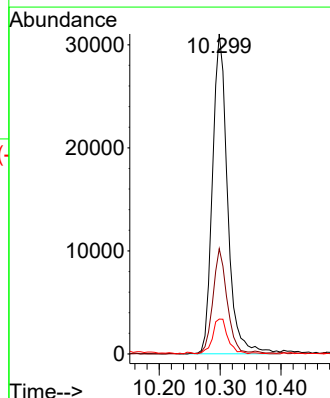
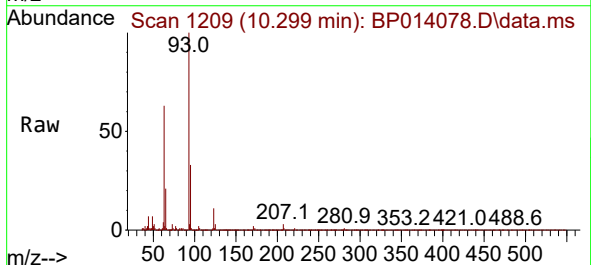
Tgt Ion: 93 Resp: 53458

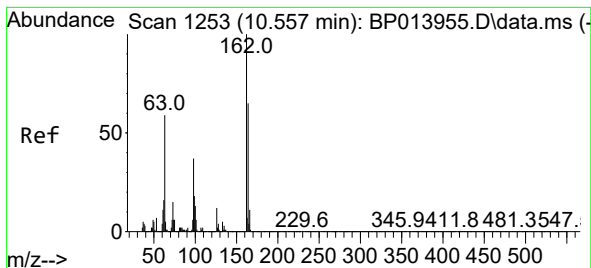
Ion Ratio Lower Upper

93 100

95 32.9 25.0 37.6

123 10.9 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 3.127 ng

RT: 10.552 min Scan# 1252

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

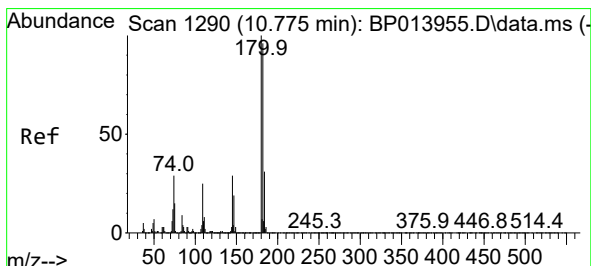
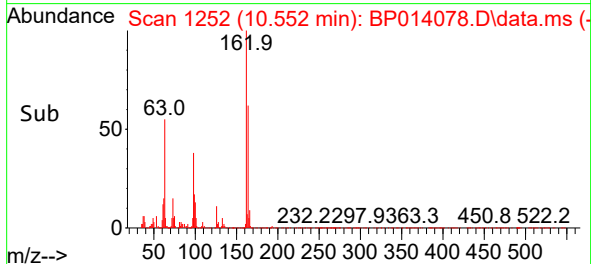
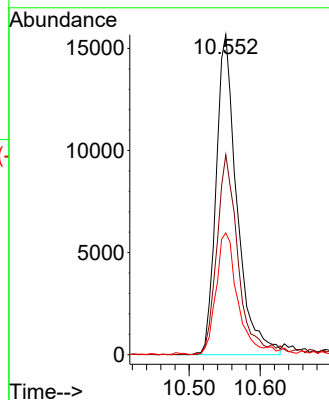
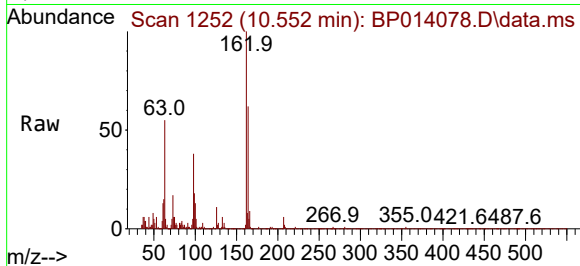
Tgt Ion:162 Resp: 31886

Ion Ratio Lower Upper

162 100

164 62.5 44.7 84.7

98 38.1 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 3.757 ng

RT: 10.757 min Scan# 1287

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

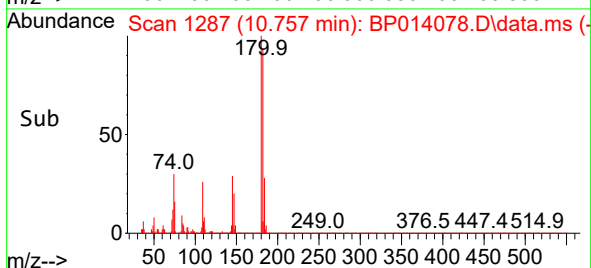
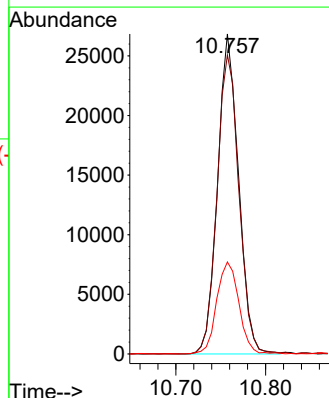
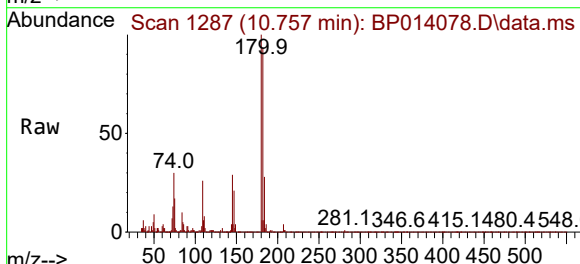
Tgt Ion:180 Resp: 43492

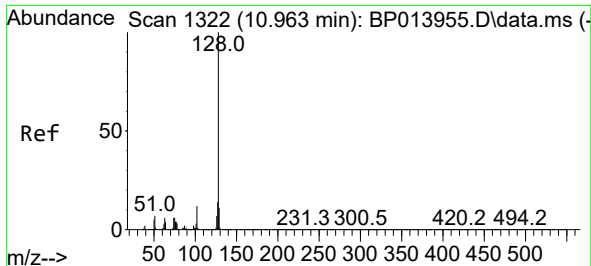
Ion Ratio Lower Upper

180 100

182 93.4 76.6 114.8

145 28.8 23.5 35.3

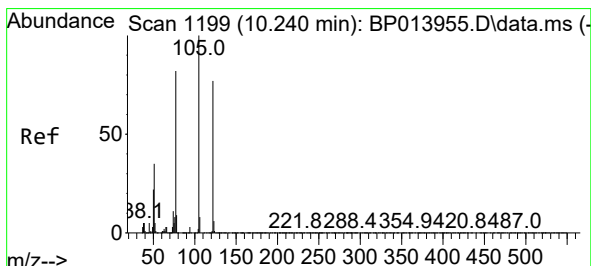
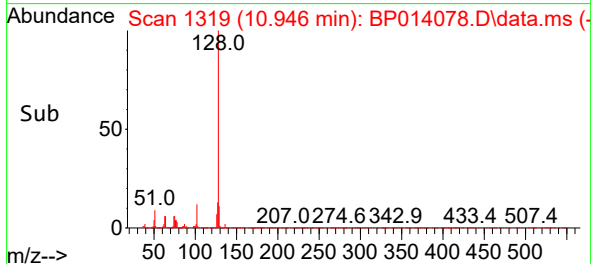
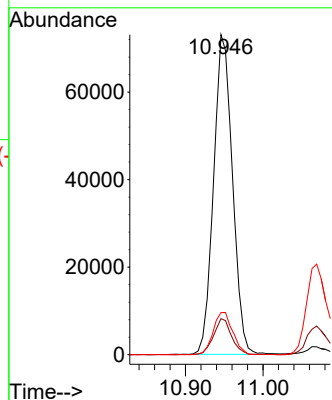
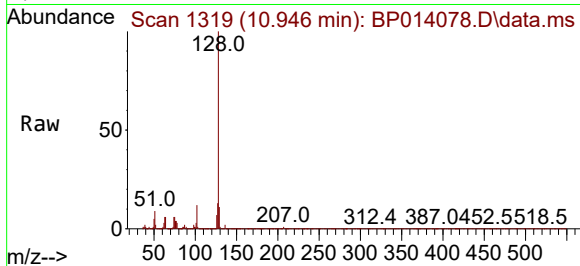




#31
Naphthalene
Concen: 3.843 ng
RT: 10.946 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

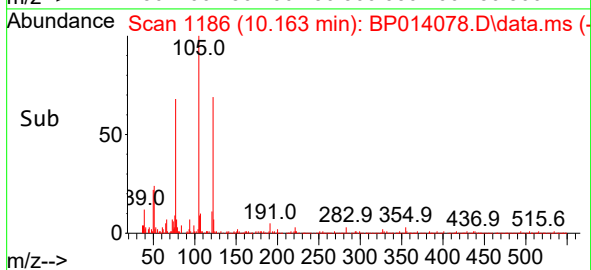
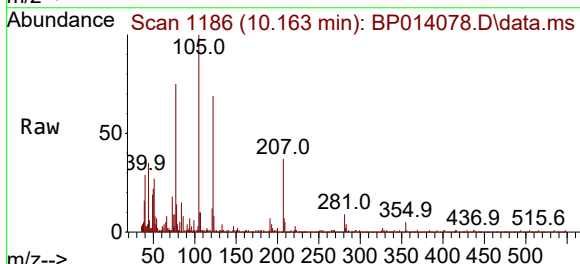
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

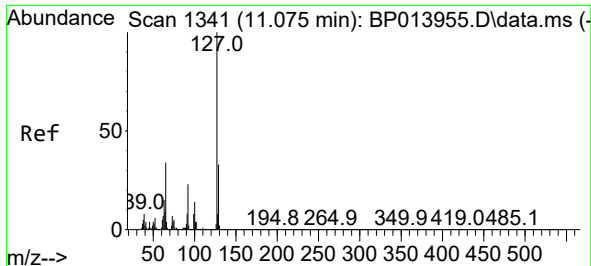
Tgt Ion:128 Resp: 124221
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.2 11.2 16.8



#32
Benzoic acid
Concen: 3.225 ng
RT: 10.163 min Scan# 1186
Delta R.T. -0.047 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:122 Resp: 4284
Ion Ratio Lower Upper
122 100
105 145.6 108.2 148.2
77 108.6 85.2 125.2

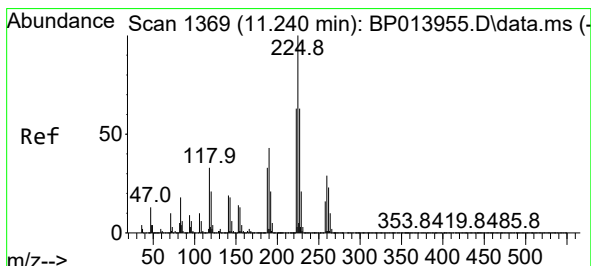
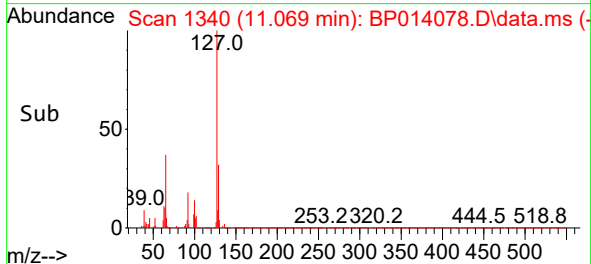
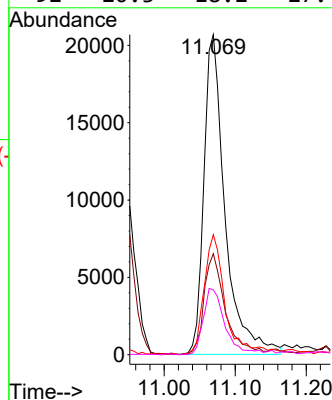
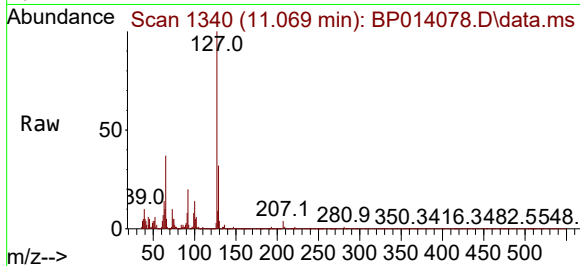




#33
4-Chloroaniline
Concen: 3.092 ng
RT: 11.069 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

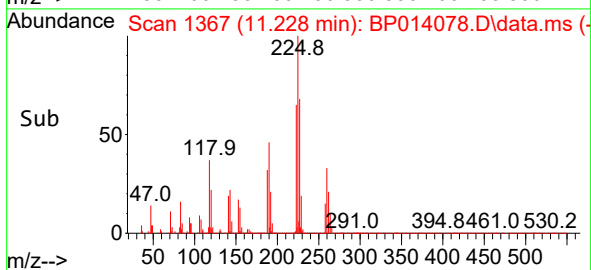
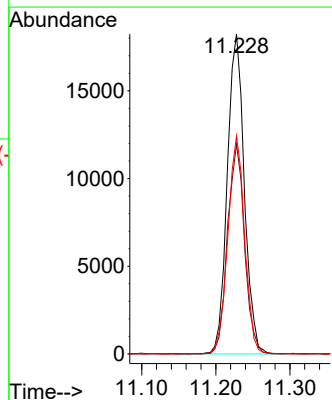
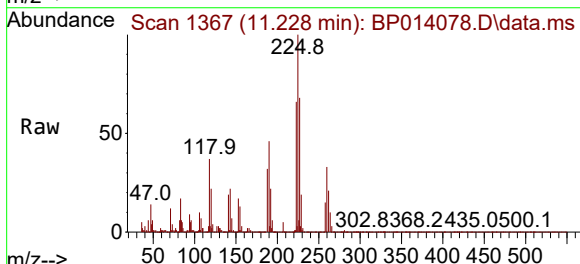
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

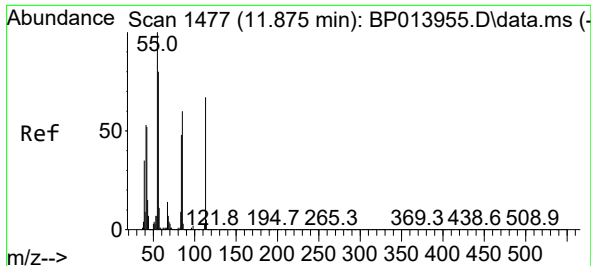
Tgt Ion:	127	Resp:	42853
Ion Ratio	Lower	Upper	
127	100		
129	31.6	26.2	39.2
65	37.5	27.0	40.4
92	20.3	18.2	27.4



#34
Hexachlorobutadiene
Concen: 3.447 ng
RT: 11.228 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:	225	Resp:	29011
Ion Ratio	Lower	Upper	
225	100		
223	65.6	50.6	76.0
227	68.1	50.2	75.4

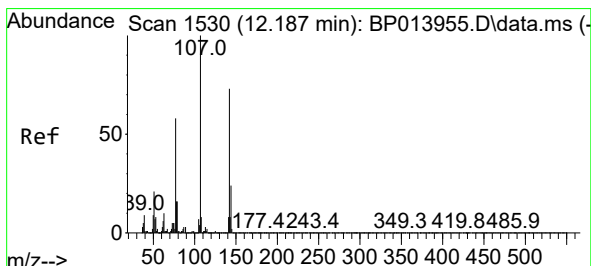
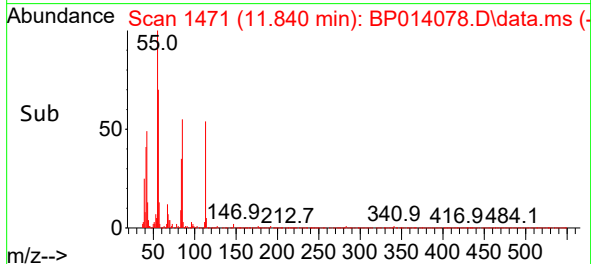
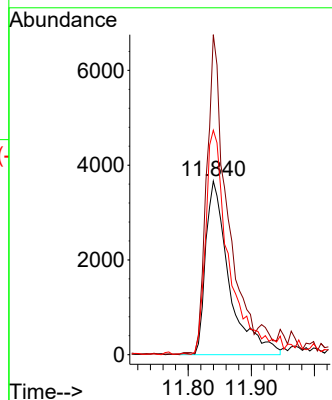
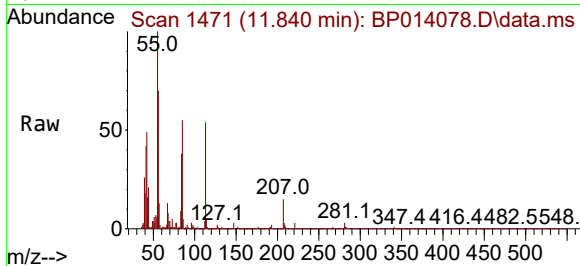




#35
 Caprolactam
 Concen: 3.254 ng
 RT: 11.840 min Scan# 1477
 Delta R.T. -0.017 min
 Lab File: BP014078.D
 Acq: 14 Mar 2023 11:41

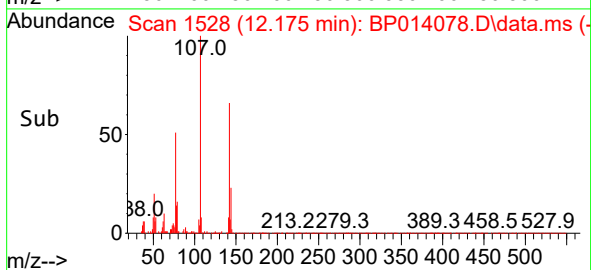
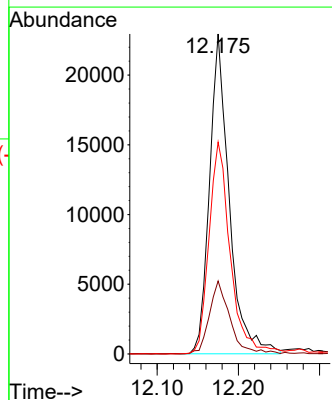
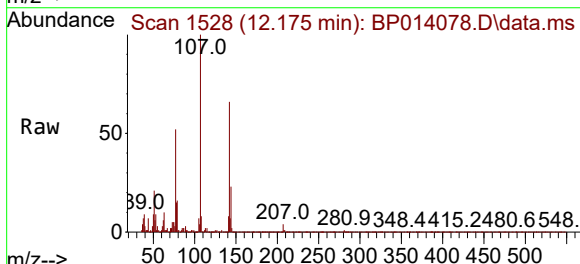
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

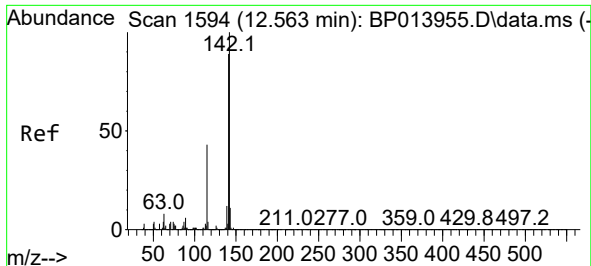
Tgt Ion:113 Resp: 9497
 Ion Ratio Lower Upper
 113 100
 55 184.3 128.9 168.9#
 56 129.3 99.6 139.6



#36
 4-Chloro-3-methylphenol
 Concen: 3.396 ng
 RT: 12.175 min Scan# 1528
 Delta R.T. 0.000 min
 Lab File: BP014078.D
 Acq: 14 Mar 2023 11:41

Tgt Ion:107 Resp: 38622
 Ion Ratio Lower Upper
 107 100
 144 22.8 19.3 28.9
 142 66.2 58.5 87.7

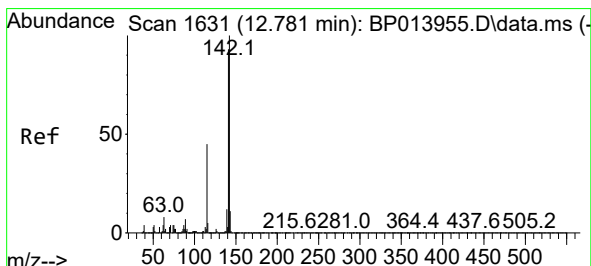
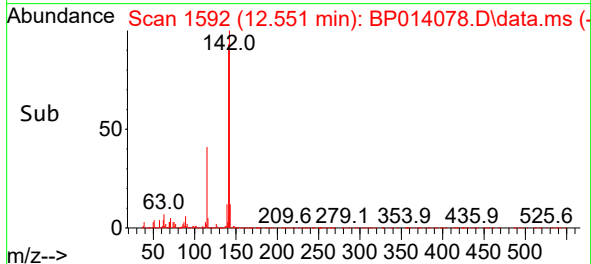
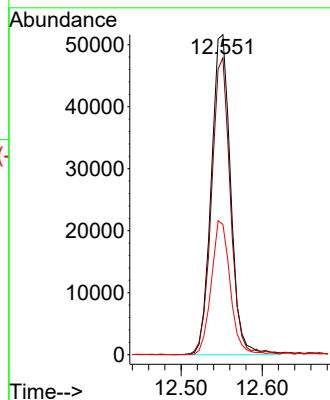
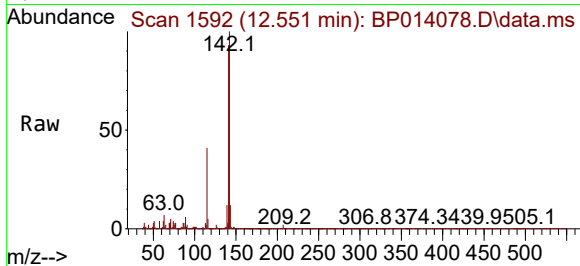




#37
2-Methylnaphthalene
Concen: 3.584 ng
RT: 12.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

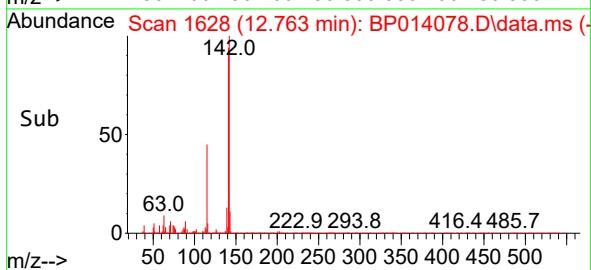
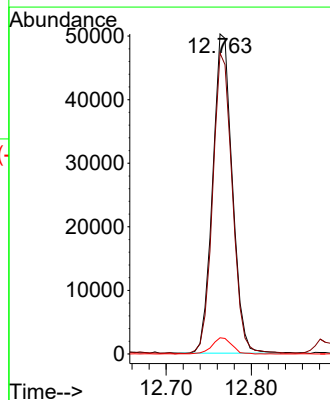
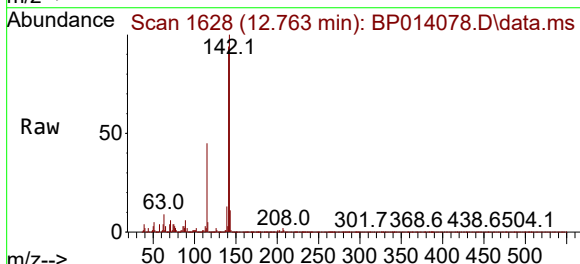
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

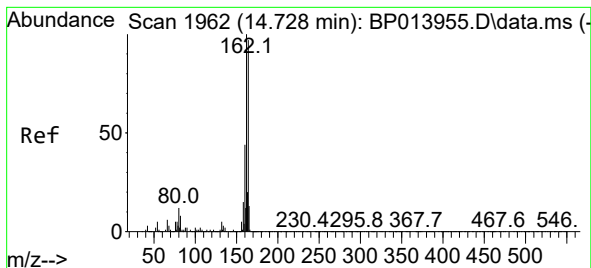
Tgt Ion:142 Resp: 85479
Ion Ratio Lower Upper
142 100
141 92.8 71.0 106.4
115 40.7 34.5 51.7



#38
1-Methylnaphthalene
Concen: 3.629 ng
RT: 12.763 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:142 Resp: 80689
Ion Ratio Lower Upper
142 100
141 94.0 74.4 111.6
116 5.1 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.716 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

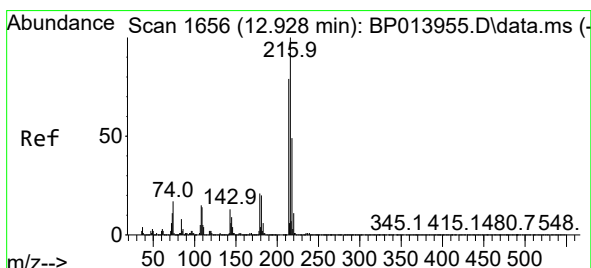
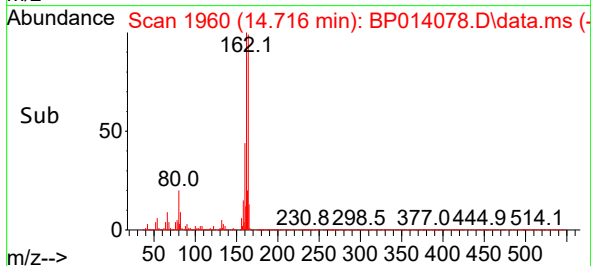
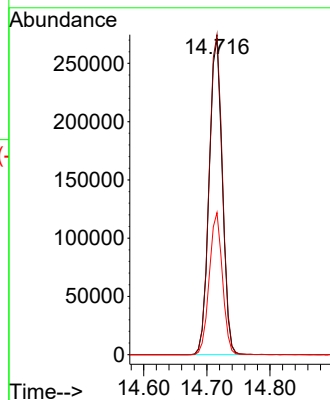
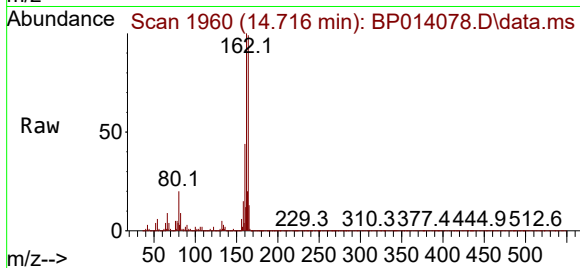
Tgt Ion:164 Resp: 392481

Ion Ratio Lower Upper

164 100

162 101.1 82.1 123.1

160 44.9 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.535 ng

RT: 12.910 min Scan# 1653

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Tgt Ion:216 Resp: 52886

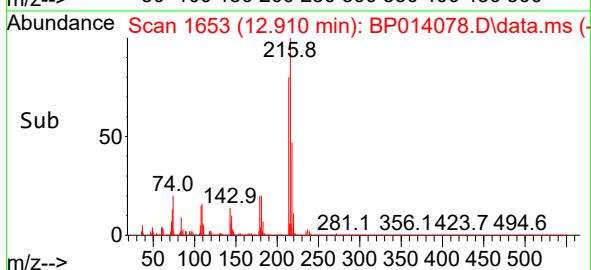
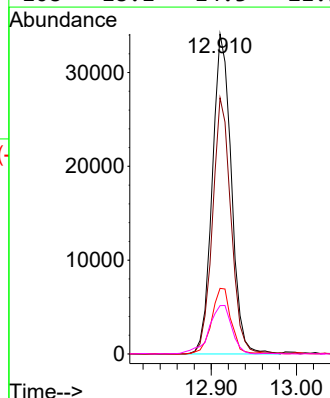
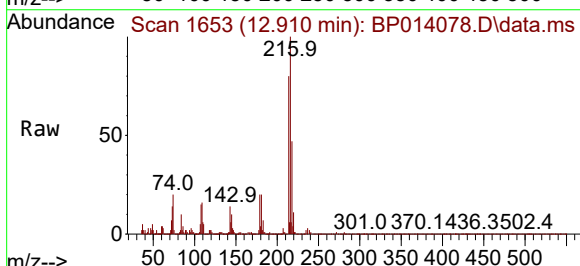
Ion Ratio Lower Upper

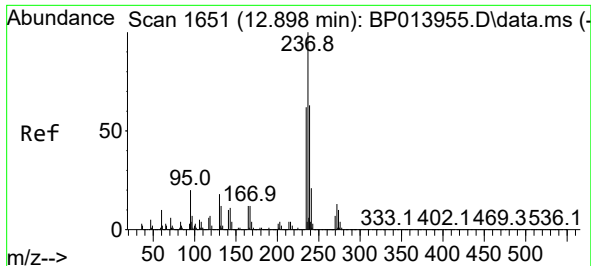
216 100

214 78.2 62.2 93.2

179 21.1 16.6 24.8

108 18.1 14.3 21.5

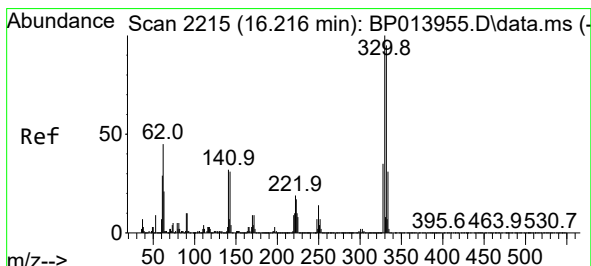
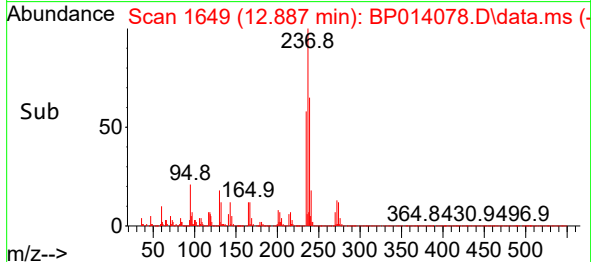
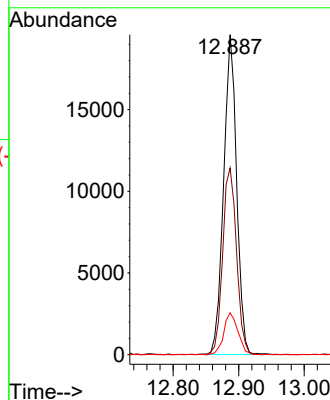
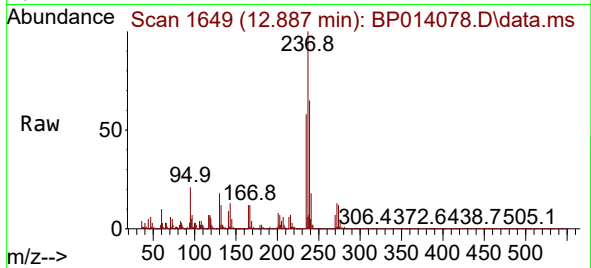




#41
Hexachlorocyclopentadiene
Concen: 2.864 ng
RT: 12.887 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

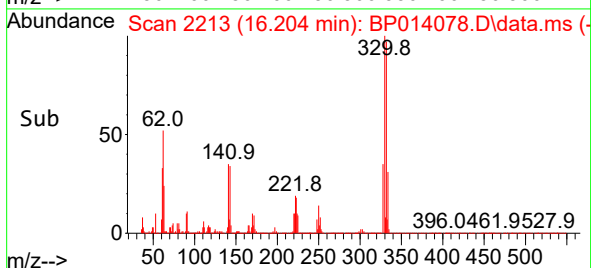
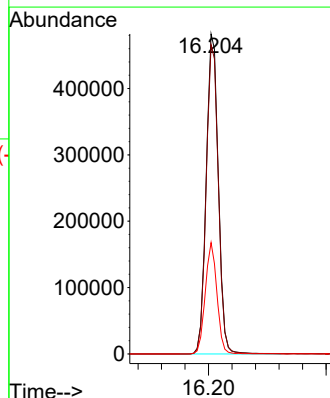
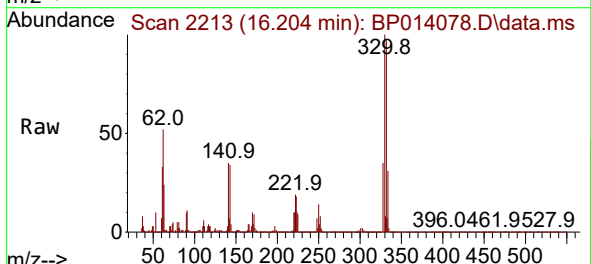
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

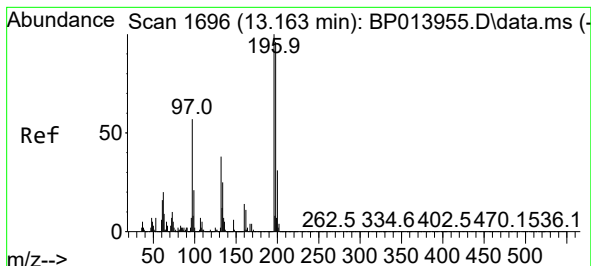
Tgt Ion: 237 Resp: 26889
Ion Ratio Lower Upper
237 100
235 58.4 41.9 81.9
272 13.1 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 108.459 ng
RT: 16.204 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 330 Resp: 690182
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 33.6 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 3.142 ng

RT: 13.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

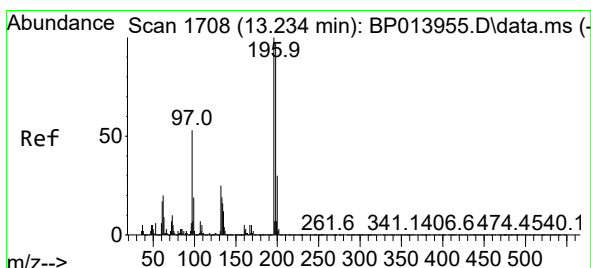
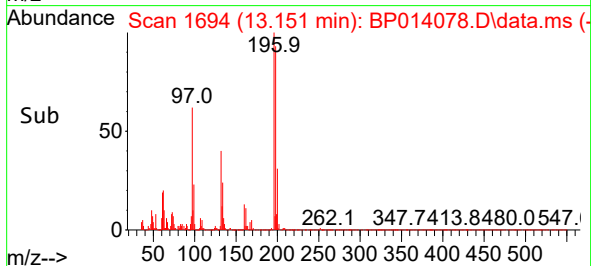
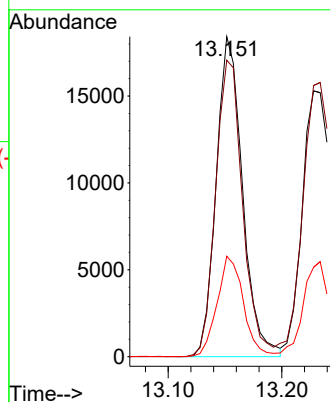
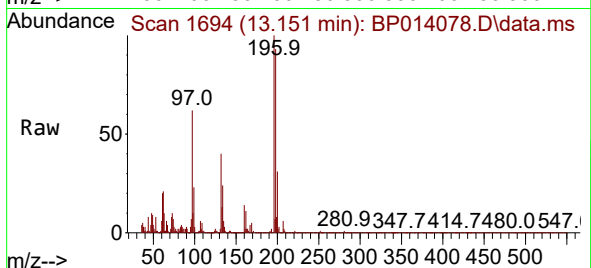
Tgt Ion:196 Resp: 29710

Ion Ratio Lower Upper

196 100

198 92.7 76.7 115.1

200 31.4 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 2.711 ng

RT: 13.228 min Scan# 1707

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Tgt Ion:196 Resp: 29706

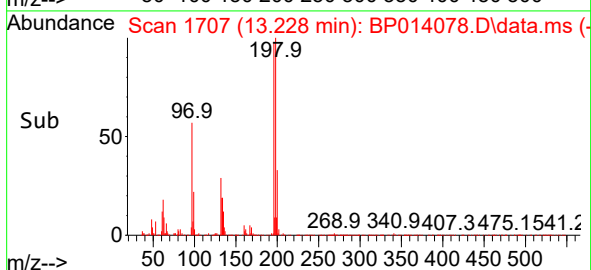
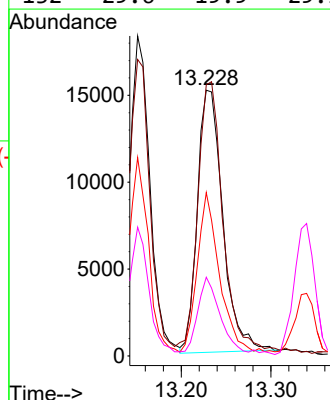
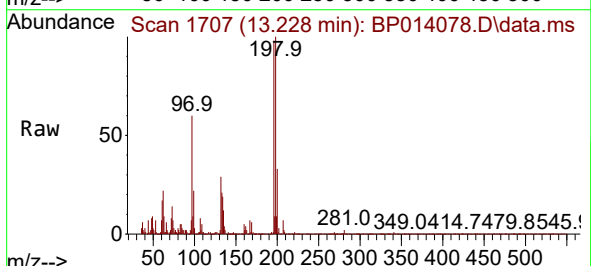
Ion Ratio Lower Upper

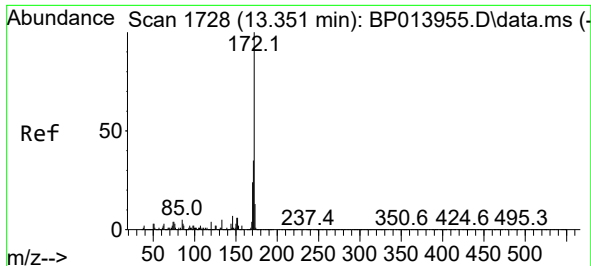
196 100

198 102.0 77.5 116.3

97 61.5 42.6 64.0

132 29.6 19.9 29.9

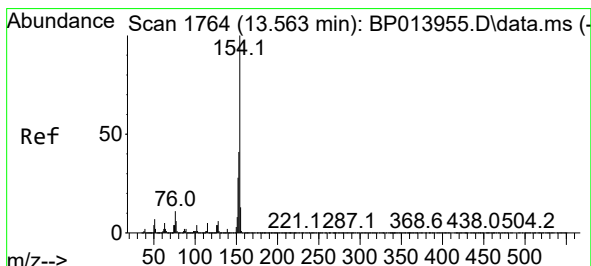
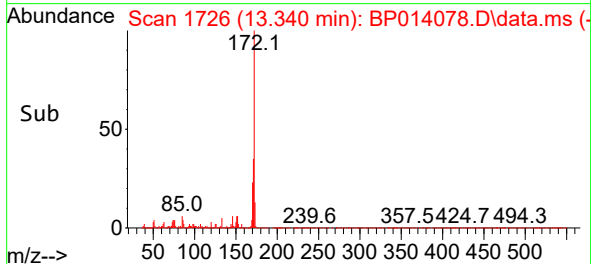
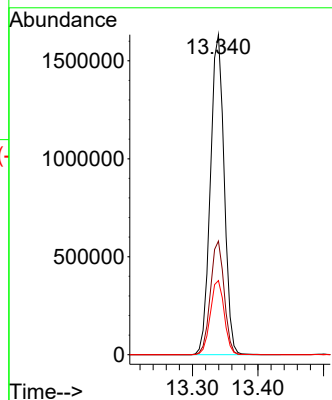
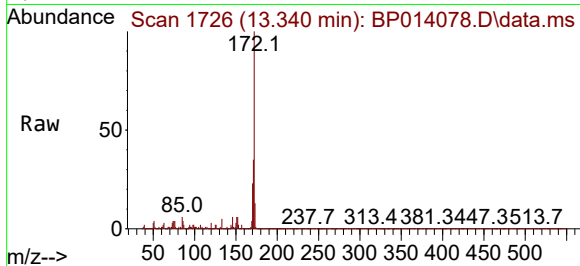




#45
2-Fluorobiphenyl
Concen: 78.864 ng
RT: 13.340 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

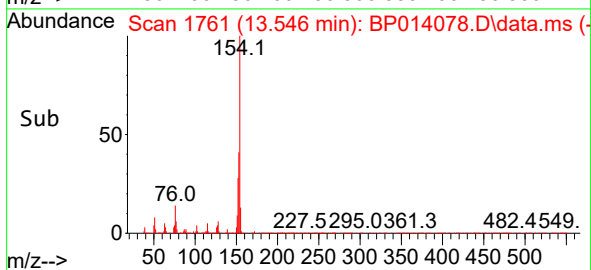
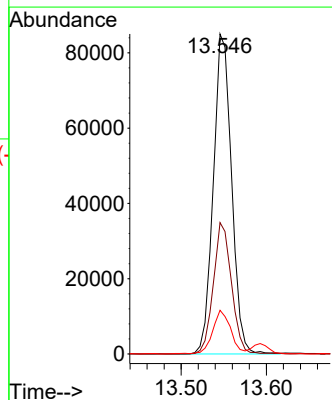
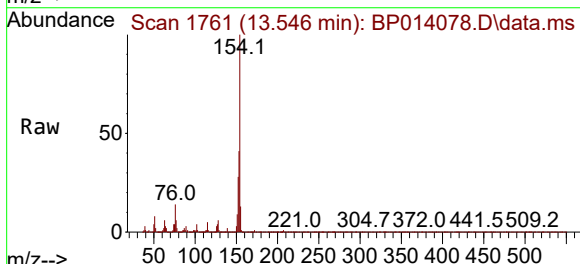
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

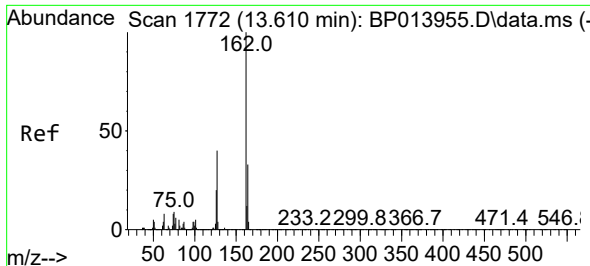
Tgt Ion:172 Resp: 2389084
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.2 19.0 28.4



#46
1,1'-Biphenyl
Concen: 4.008 ng
RT: 13.546 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:154 Resp: 126621
Ion Ratio Lower Upper
154 100
153 41.1 21.0 61.0
76 13.7 0.0 31.0

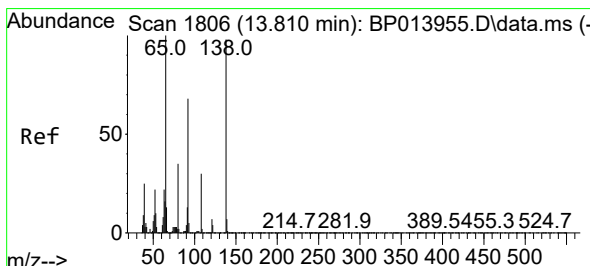
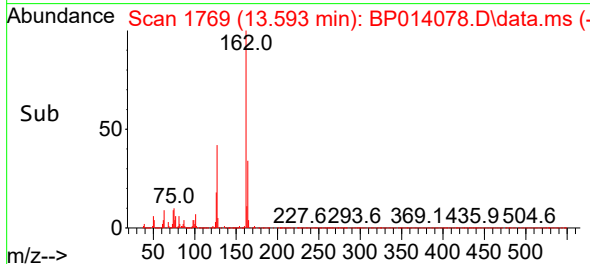
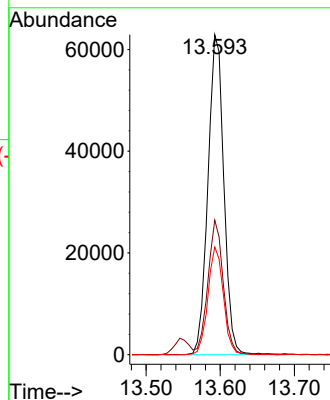
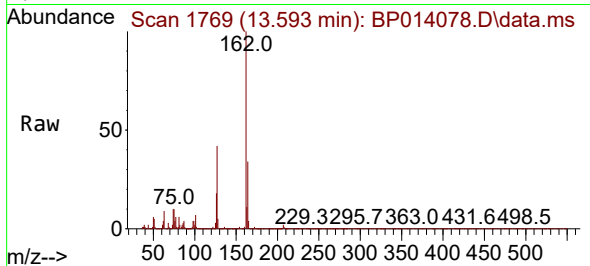




#47
2-Chloronaphthalene
Concen: 3.857 ng
RT: 13.593 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

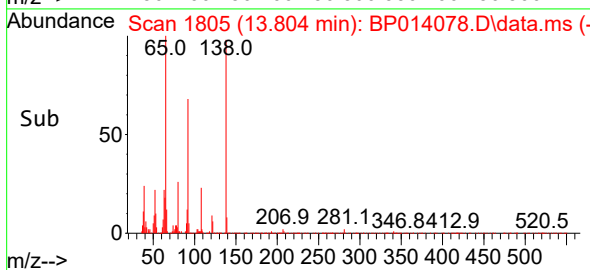
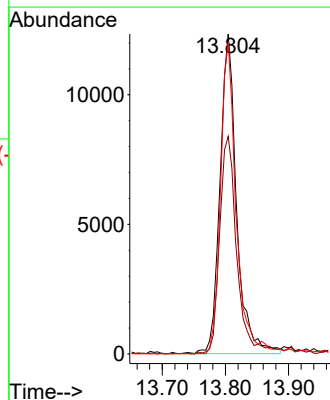
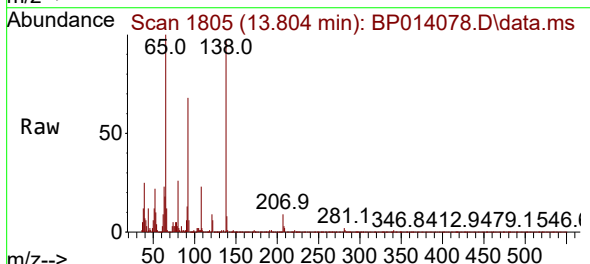
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

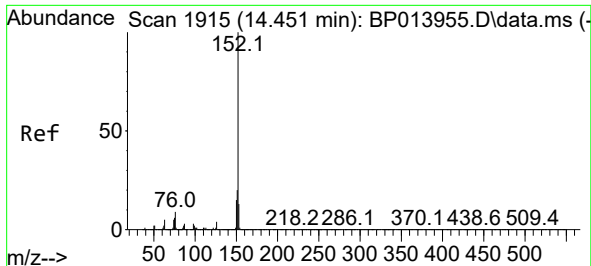
Tgt Ion:162 Resp: 93797
Ion Ratio Lower Upper
162 100
127 42.1 32.5 48.7
164 33.7 26.3 39.5



#48
2-Nitroaniline
Concen: 3.054 ng
RT: 13.804 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 65 Resp: 22539
Ion Ratio Lower Upper
65 100
92 68.0 54.4 81.6
138 97.4 78.0 117.0

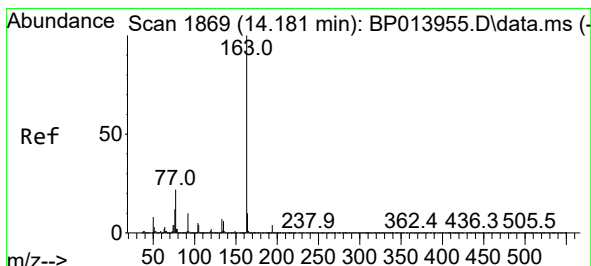
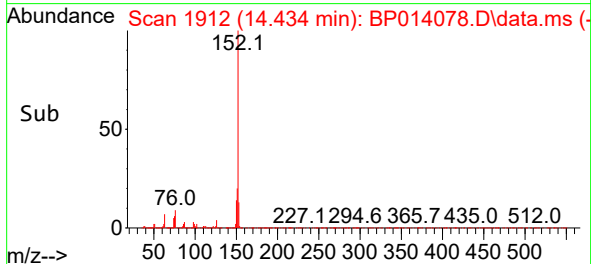
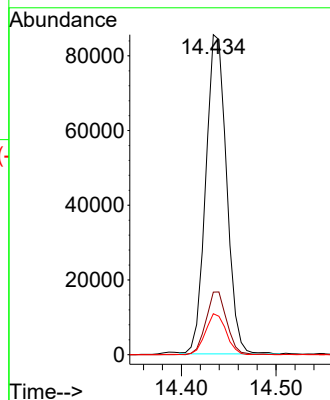
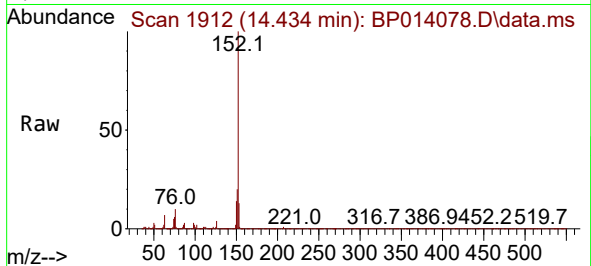




#49
Acenaphthylene
Concen: 3.371 ng
RT: 14.434 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

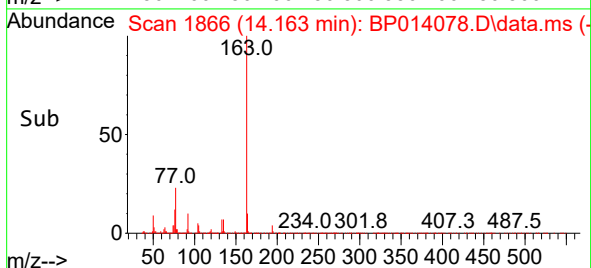
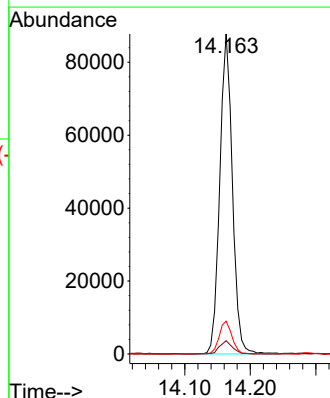
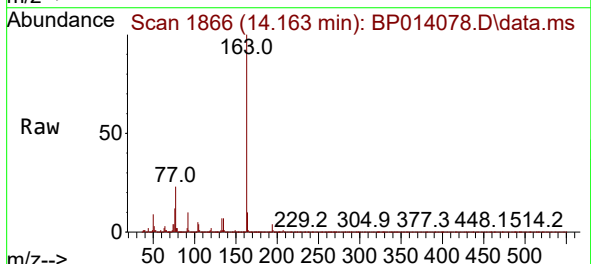
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

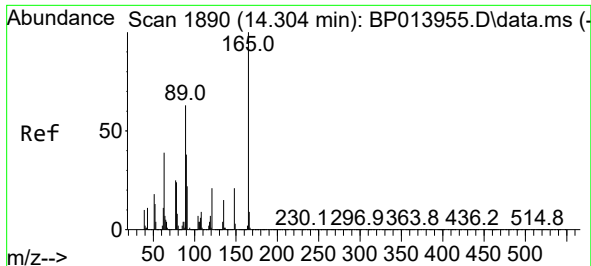
Tgt Ion:152 Resp: 130388
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 12.8 10.4 15.6



#50
Dimethylphthalate
Concen: 3.601 ng
RT: 14.163 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:163 Resp: 116585
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.3 8.1 12.1

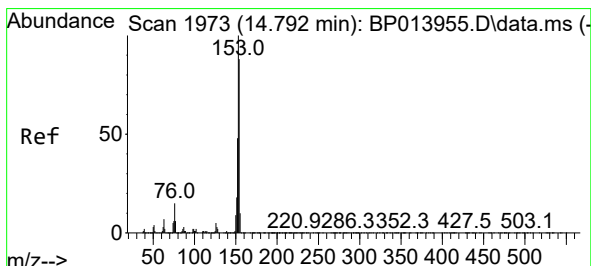
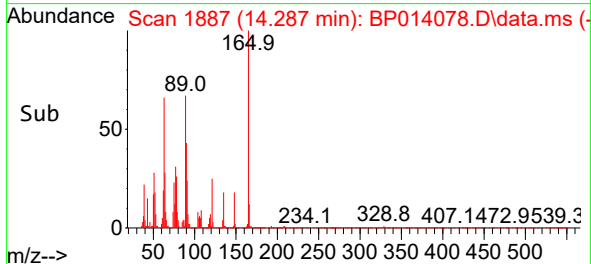
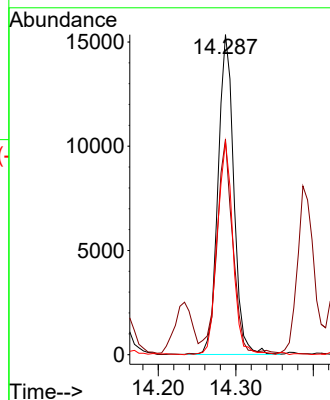
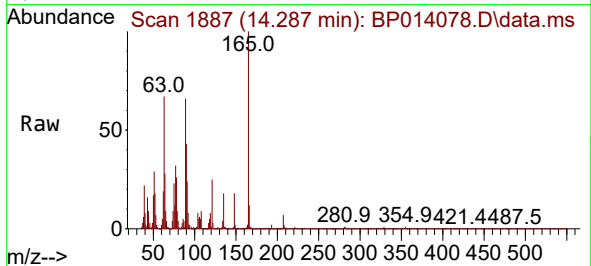




#51
2,6-Dinitrotoluene
Concen: 3.180 ng
RT: 14.287 min Scan# 1887
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

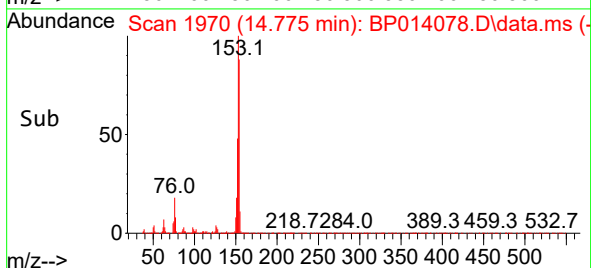
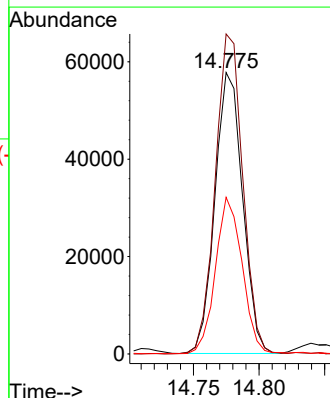
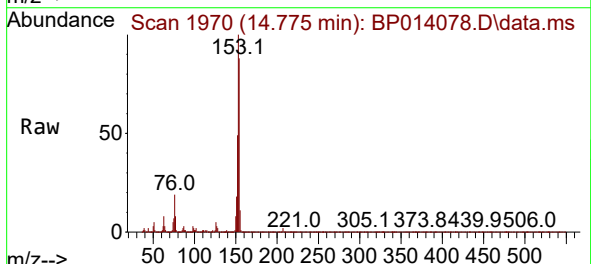
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

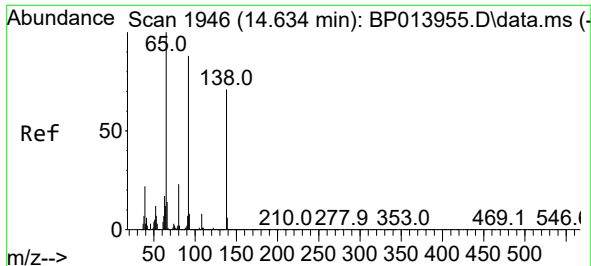
Tgt Ion:165 Resp: 21681
Ion Ratio Lower Upper
165 100
63 67.4 46.7 70.1
89 66.5 50.8 76.2



#52
Acenaphthene
Concen: 3.640 ng
RT: 14.775 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:154 Resp: 84750
Ion Ratio Lower Upper
154 100
153 113.7 91.3 136.9
152 55.7 43.4 65.0

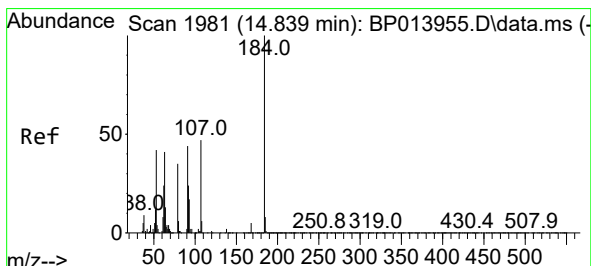
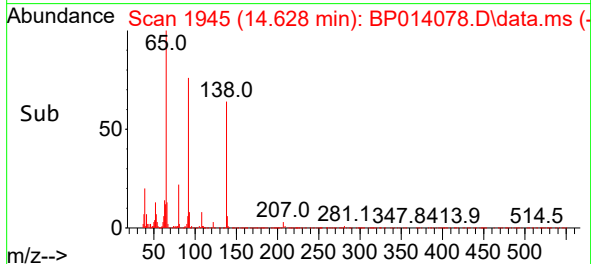
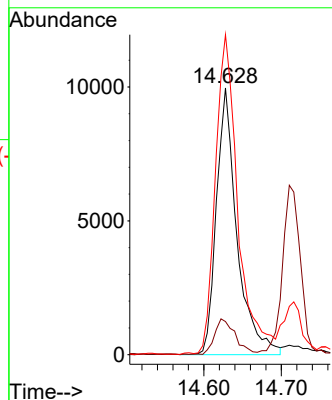
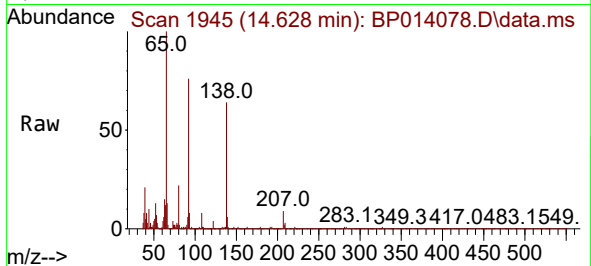




#53
3-Nitroaniline
Concen: 2.756 ng
RT: 14.628 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

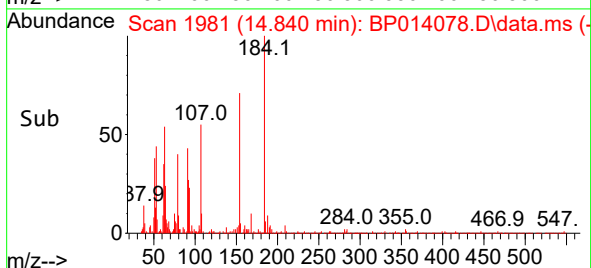
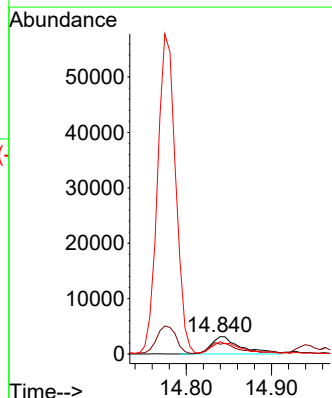
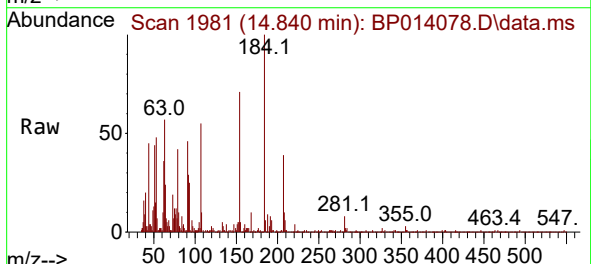
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

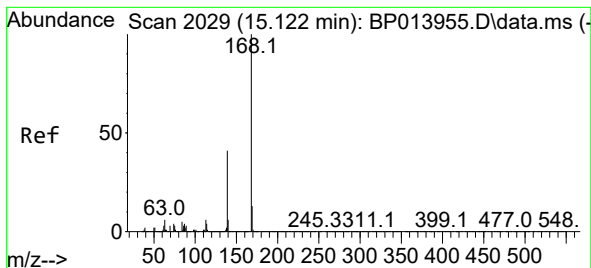
Tgt Ion:138 Resp: 18420
Ion Ratio Lower Upper
138 100
108 12.4 9.5 14.3
92 120.0 99.2 148.8



#54
2,4-Dinitrophenol
Concen: 4.486 ng
RT: 14.840 min Scan# 1981
Delta R.T. 0.012 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:184 Resp: 7400
Ion Ratio Lower Upper
184 100
63 56.8 52.4 78.6
154 71.2 59.4 89.2





#55

Dibenzenofuran

Concen: 3.781 ng

RT: 15.110 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

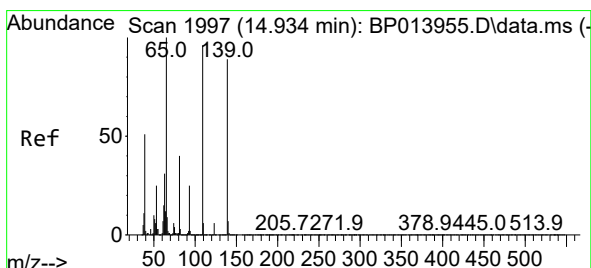
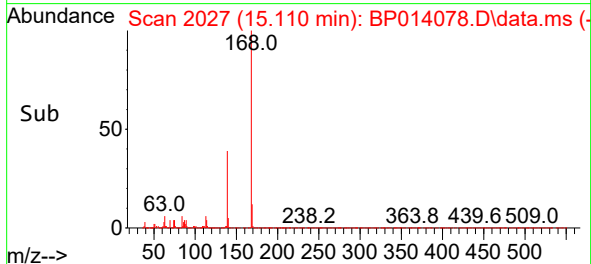
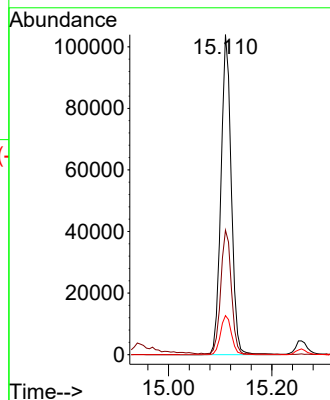
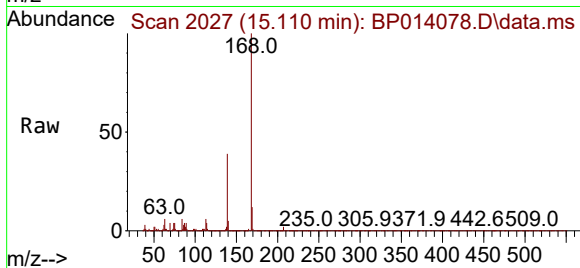
Tgt Ion:168 Resp: 143495

Ion Ratio Lower Upper

168 100

139 38.9 32.9 49.3

169 12.2 10.6 15.8



#56

4-Nitrophenol

Concen: 2.190 ng

RT: 14.940 min Scan# 1998

Delta R.T. 0.018 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

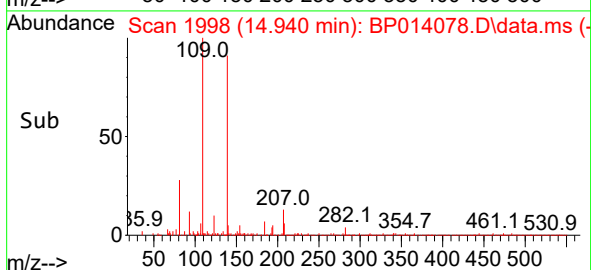
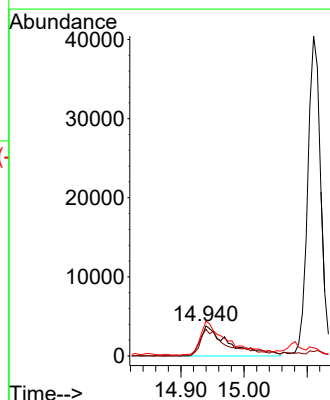
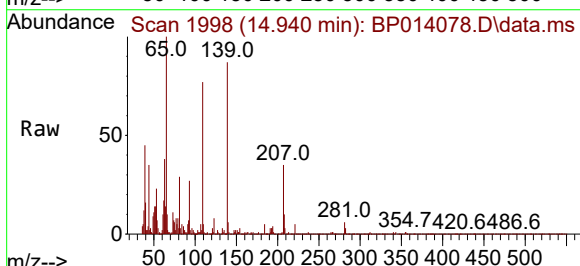
Tgt Ion:139 Resp: 11918

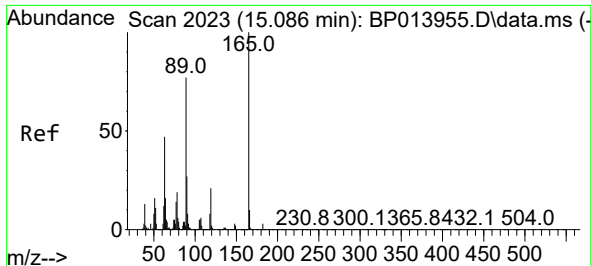
Ion Ratio Lower Upper

139 100

109 88.8 87.0 127.0

65 115.1 92.1 132.1

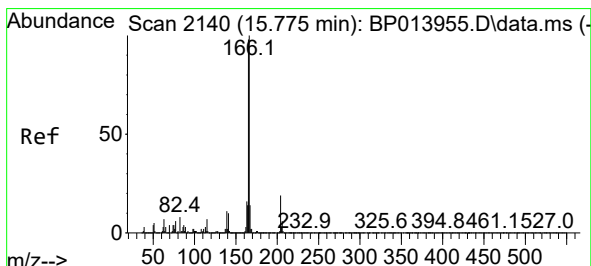
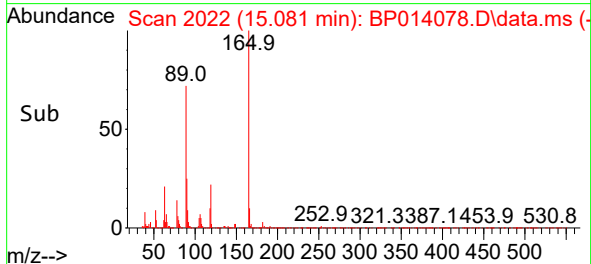
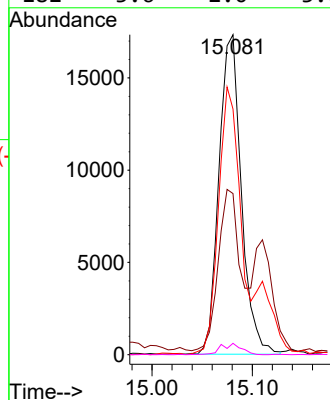
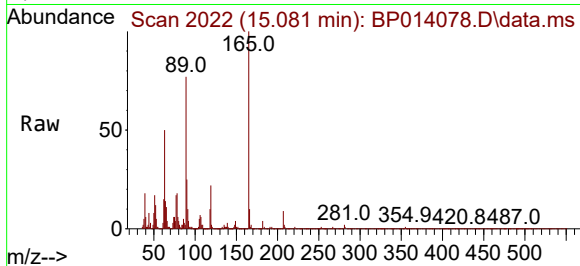




#57
2,4-Dinitrotoluene
Concen: 2.946 ng
RT: 15.081 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

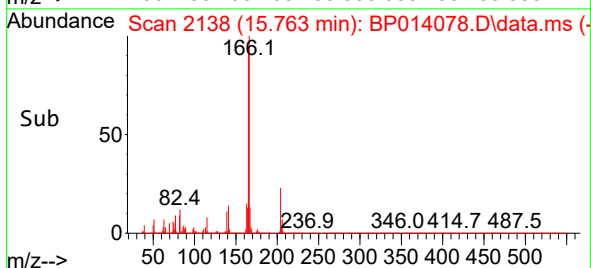
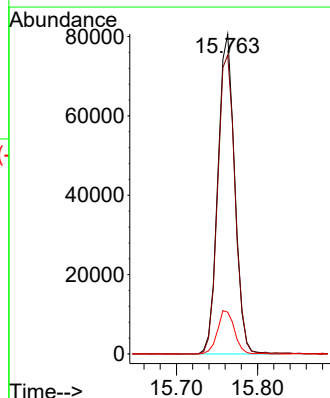
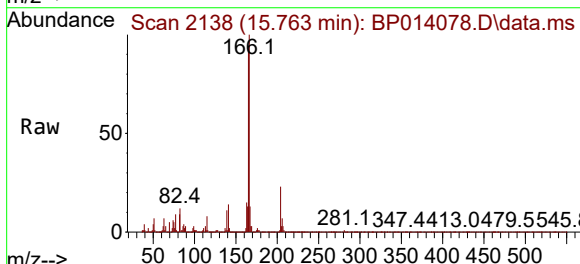
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

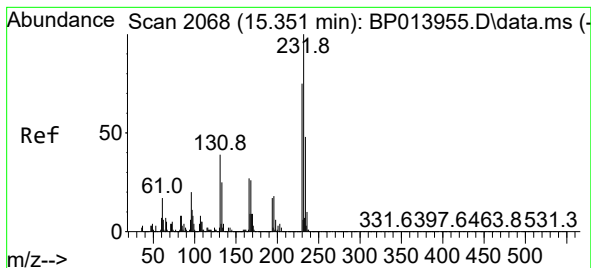
Tgt Ion:165 Resp: 26853
Ion Ratio Lower Upper
165 100
63 50.4 37.5 56.3
89 76.8 61.8 92.8
182 3.6 2.0 3.0#



#58
Fluorene
Concen: 3.846 ng
RT: 15.763 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:166 Resp: 115919
Ion Ratio Lower Upper
166 100
165 93.4 78.1 117.1
167 13.1 10.8 16.2

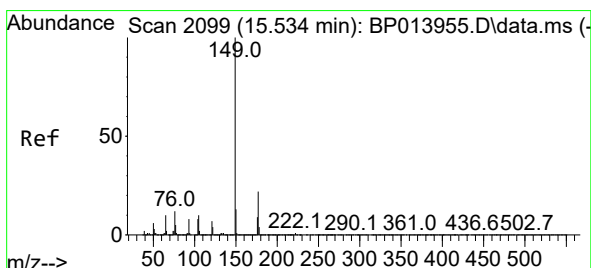
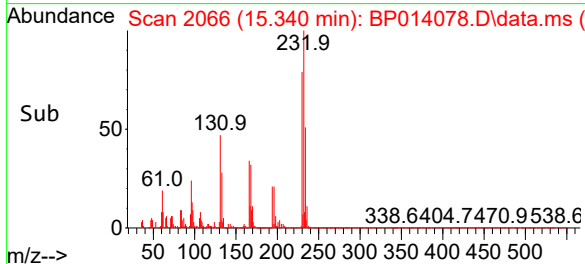
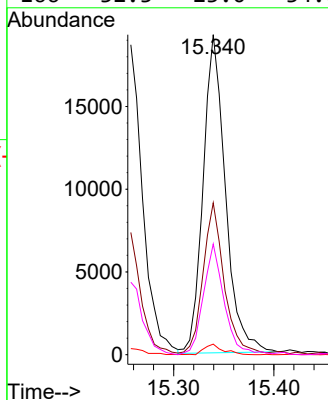
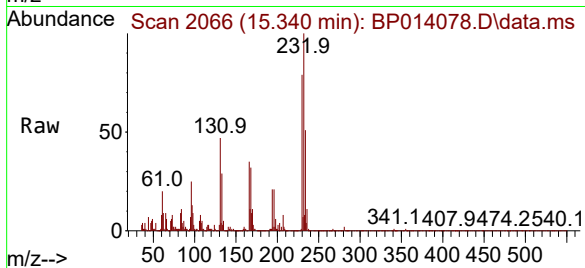




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.118 ng
RT: 15.340 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

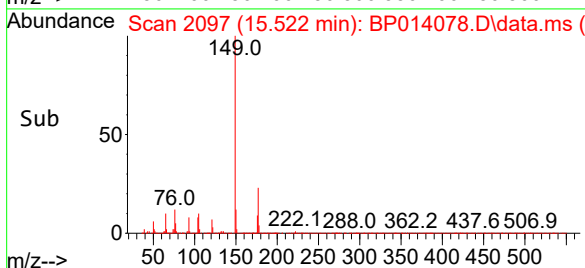
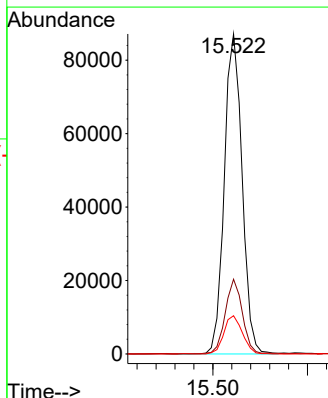
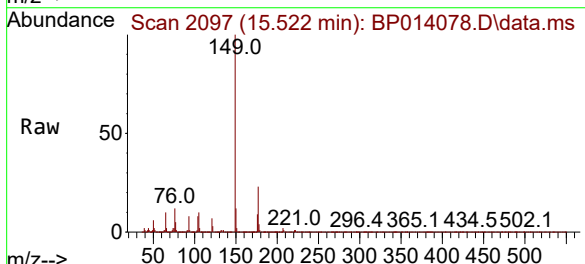
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

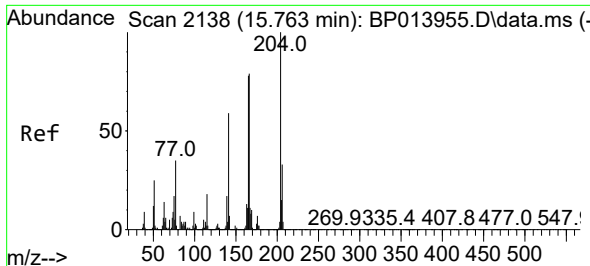
Tgt Ion:	232	Resp:	29810
Ion	Ratio	Lower	Upper
232	100		
131	44.0	32.5	48.7
130	2.8	1.9	2.9
166	32.3	23.0	34.6



#60
Diethylphthalate
Concen: 3.553 ng
RT: 15.522 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:	149	Resp:	113598
Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.0	27.0
150	12.0	10.3	15.5

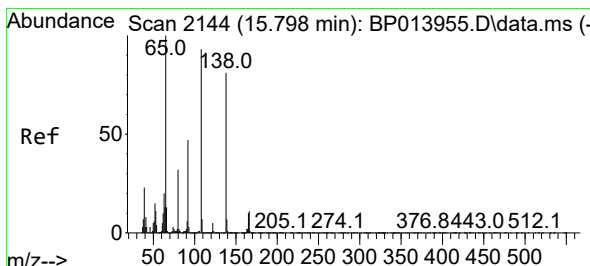
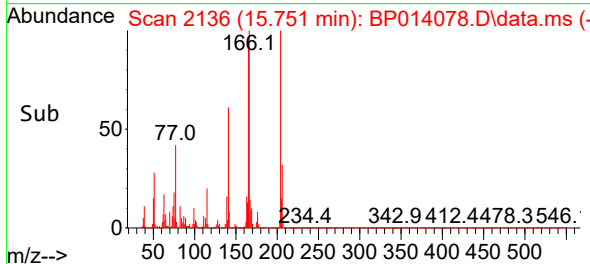
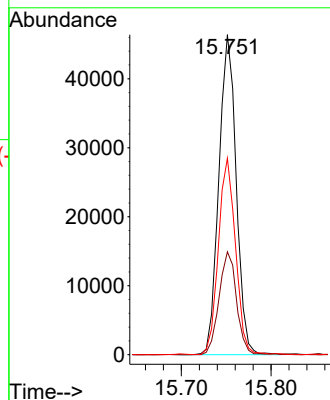
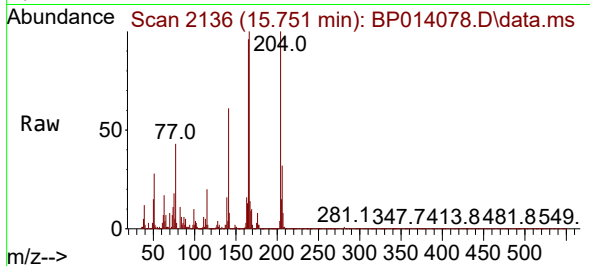




#61
4-Chlorophenyl-phenylether
Concen: 3.636 ng
RT: 15.751 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

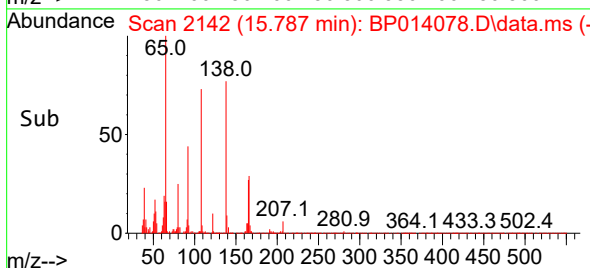
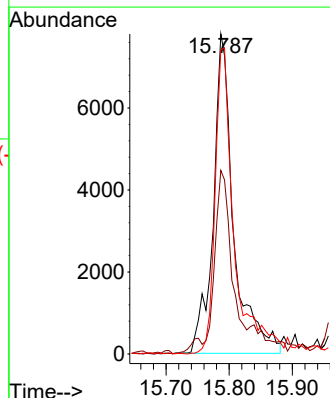
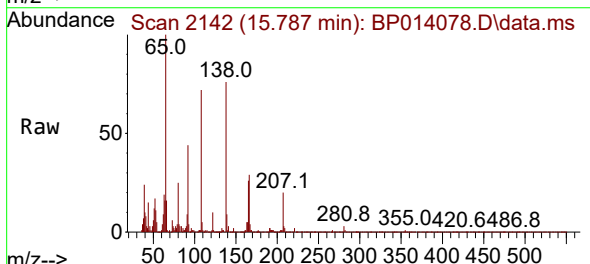
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

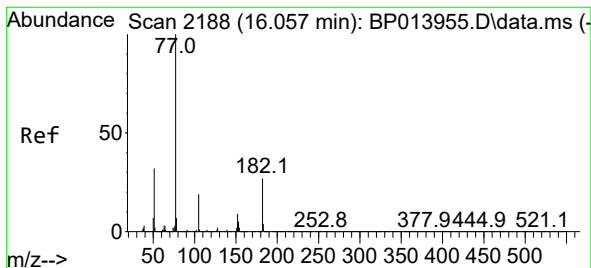
Tgt Ion:204 Resp: 62124
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.4
141 61.4 46.9 70.3



#62
4-Nitroaniline
Concen: 2.641 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:138 Resp: 17575
Ion Ratio Lower Upper
138 100
92 57.4 37.9 77.9
108 95.1 94.9 134.9





#63

Azobenzene

Concen: 3.594 ng

RT: 16.045 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 77 Resp: 106309

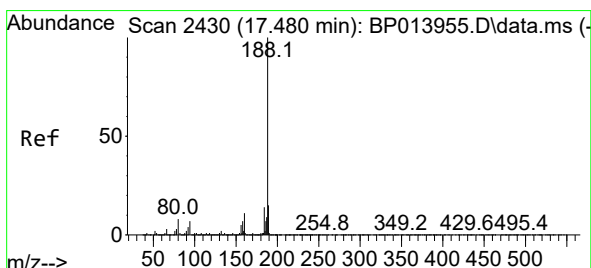
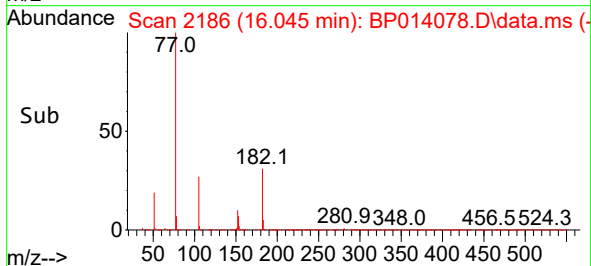
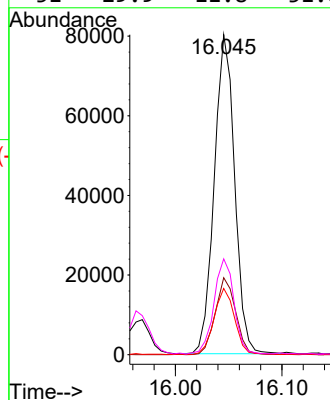
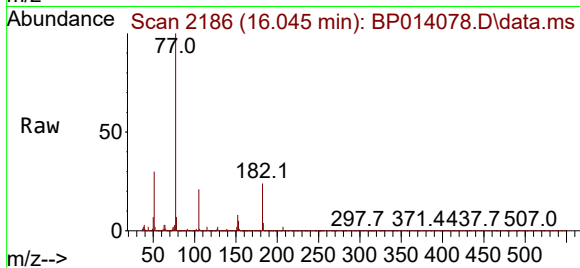
Ion Ratio Lower Upper

77 100

182 24.1 6.9 46.9

105 20.7 0.0 39.4

51 29.9 11.8 51.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.469 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

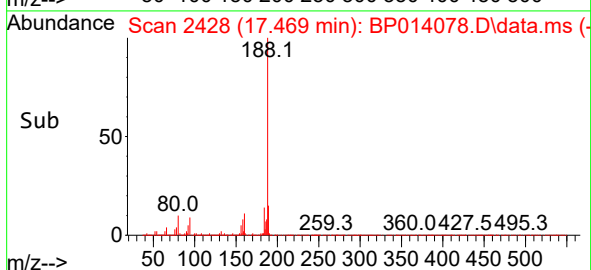
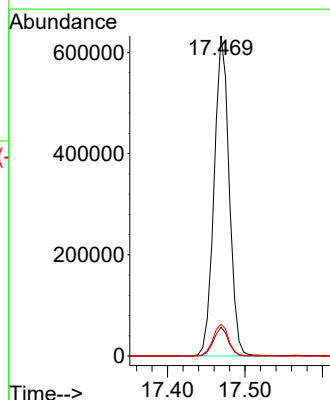
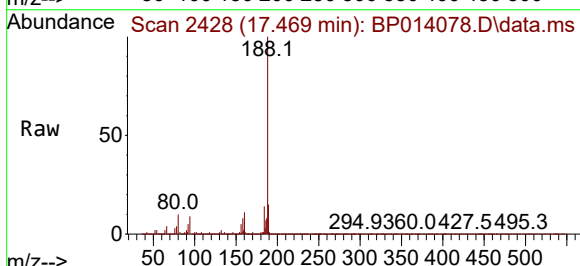
Tgt Ion:188 Resp: 856905

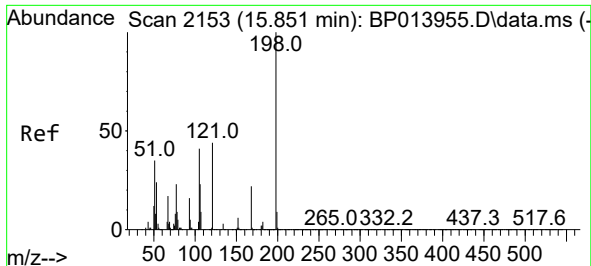
Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.6#

80 9.9 6.6 9.8#

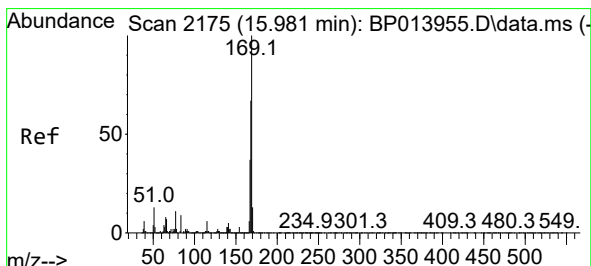
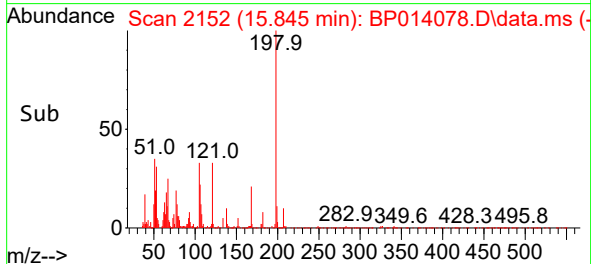
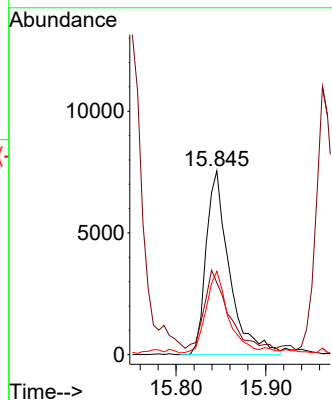
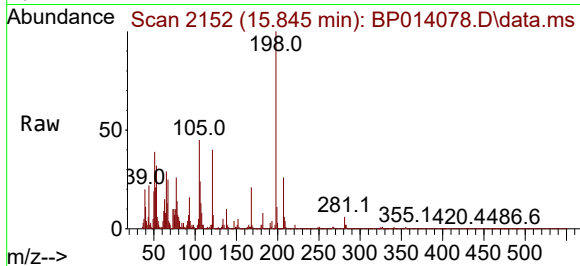




#65
4,6-Dinitro-2-methylphenol
Concen: 2.141 ng
RT: 15.845 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

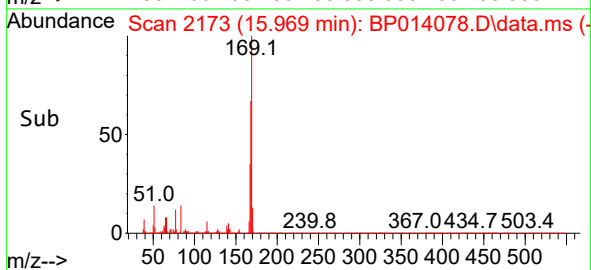
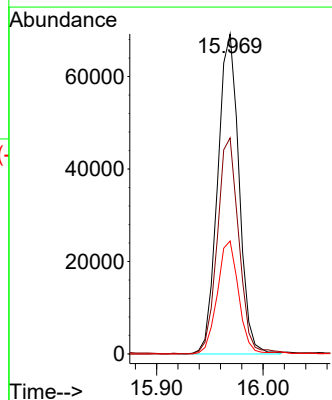
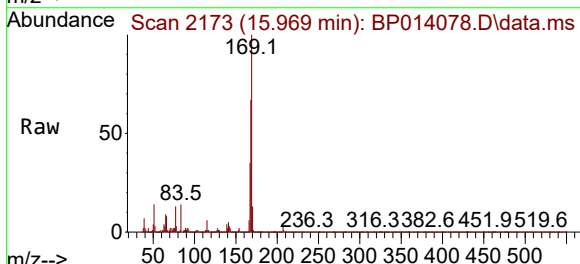
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

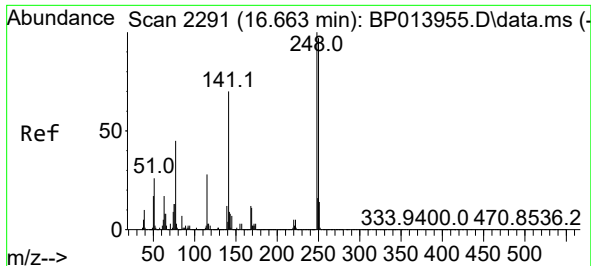
Tgt Ion:198 Resp: 13590
Ion Ratio Lower Upper
198 100
51 39.1 22.1 62.1
105 45.4 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 3.551 ng
RT: 15.969 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:169 Resp: 96148
Ion Ratio Lower Upper
169 100
168 67.5 54.0 81.0
167 35.3 29.4 44.2

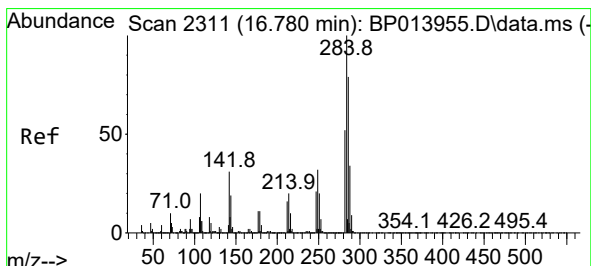
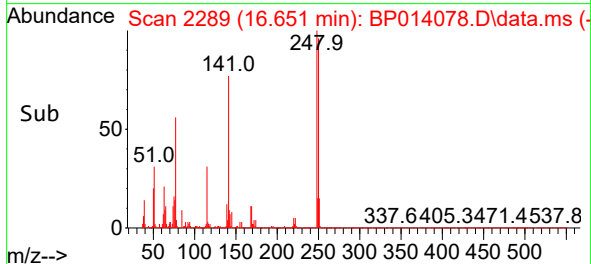
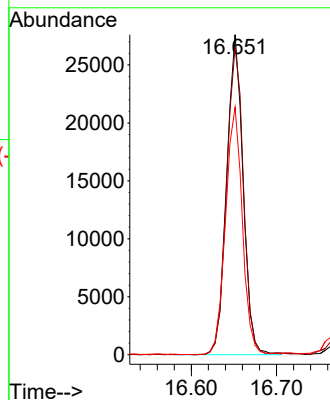
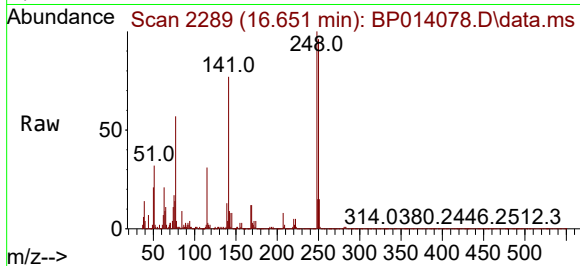




#67
4-Bromophenyl-phenylether
Concen: 3.262 ng
RT: 16.651 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

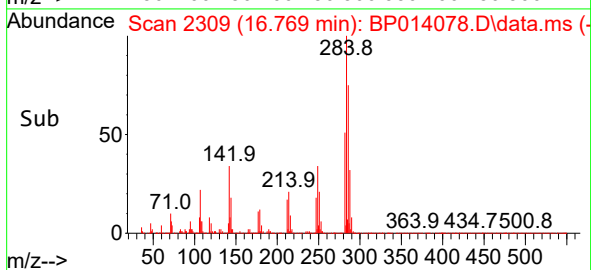
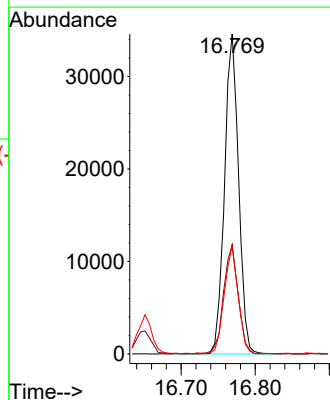
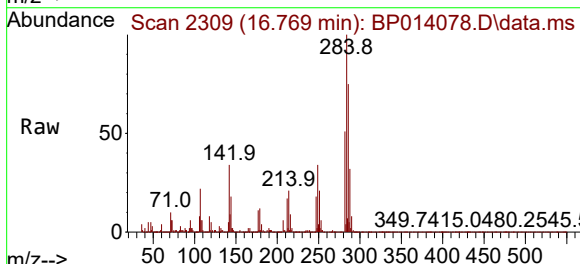
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

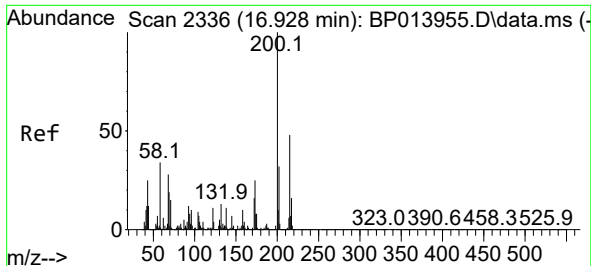
Tgt Ion:248 Resp: 36979
Ion Ratio Lower Upper
248 100
250 96.1 77.9 116.9
141 77.4 56.0 84.0



#68
Hexachlorobenzene
Concen: 3.750 ng
RT: 16.769 min Scan# 2309
Delta R.T. 0.000 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:284 Resp: 45566
Ion Ratio Lower Upper
284 100
142 34.2 24.8 37.2
249 33.6 25.7 38.5

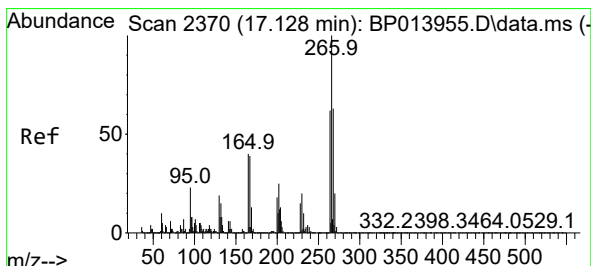
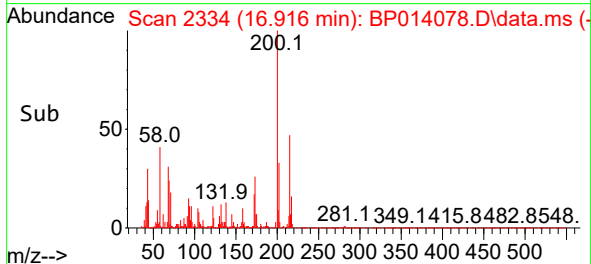
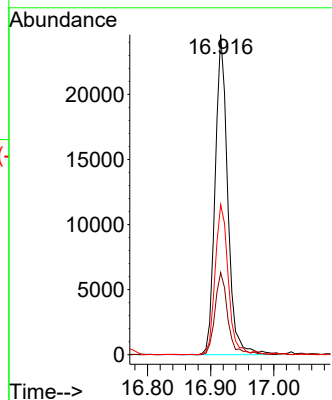
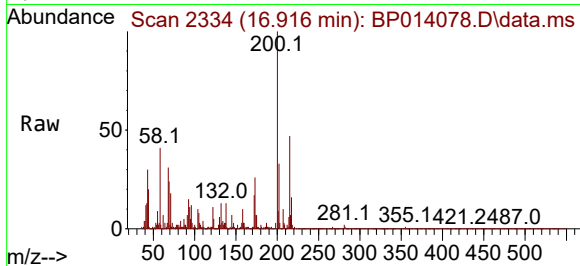




#69
 Atrazine
 Concen: 3.573 ng
 RT: 16.916 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP014078.D
 Acq: 14 Mar 2023 11:41

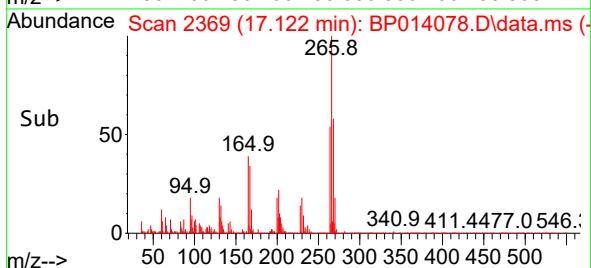
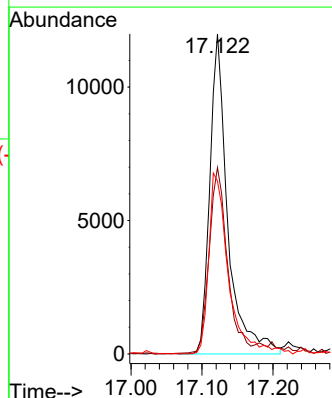
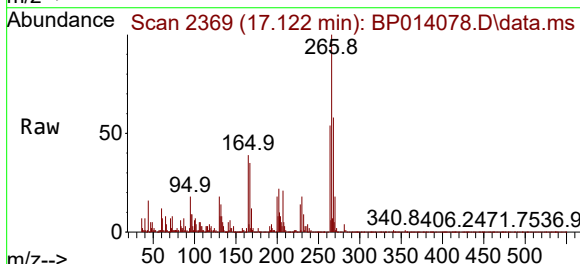
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

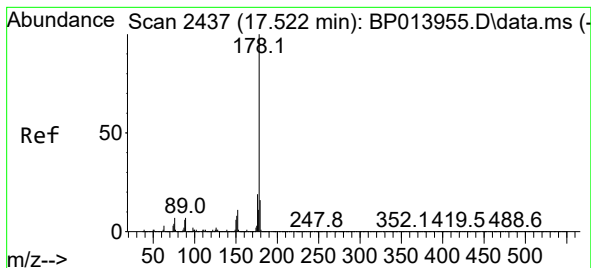
Tgt Ion:200 Resp: 33966
 Ion Ratio Lower Upper
 200 100
 173 25.7 5.5 45.5
 215 46.9 27.9 67.9



#70
 Pentachlorophenol
 Concen: 2.406 ng
 RT: 17.122 min Scan# 2369
 Delta R.T. 0.006 min
 Lab File: BP014078.D
 Acq: 14 Mar 2023 11:41

Tgt Ion:266 Resp: 21086
 Ion Ratio Lower Upper
 266 100
 268 58.2 50.4 75.6
 264 54.0 49.2 73.8





#71

Phenanthrene

Concen: 3.734 ng

RT: 17.510 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

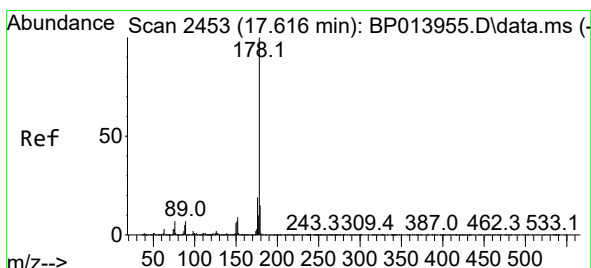
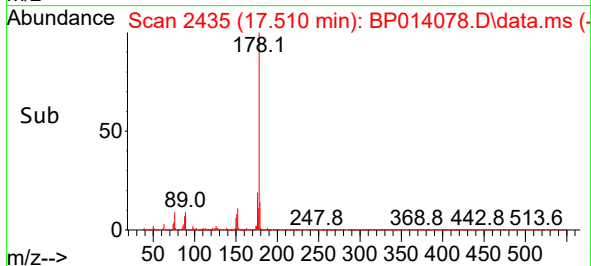
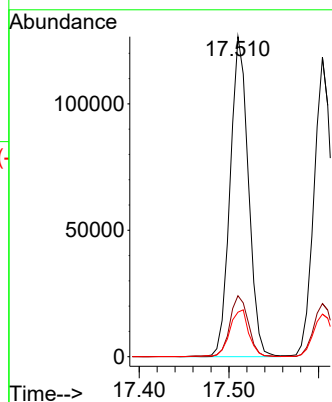
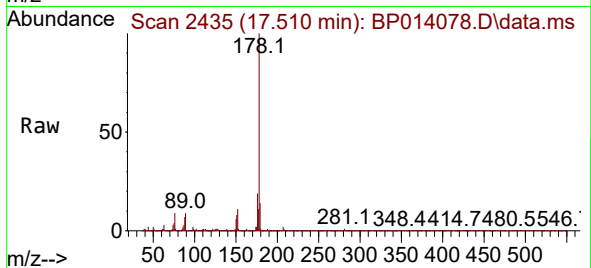
Tgt Ion:178 Resp: 178763

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 13.9 12.6 19.0



#72

Anthracene

Concen: 3.522 ng

RT: 17.604 min Scan# 2451

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

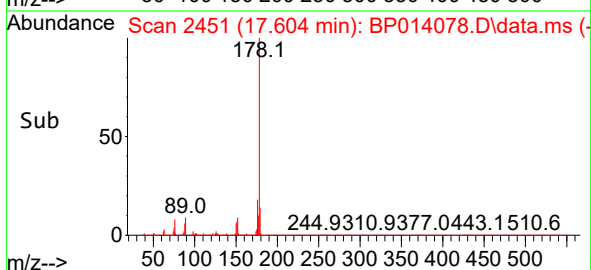
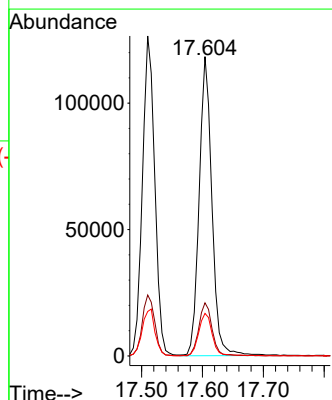
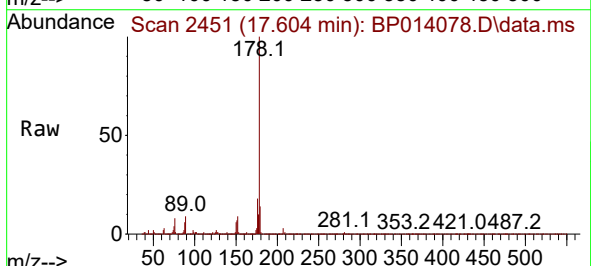
Tgt Ion:178 Resp: 172281

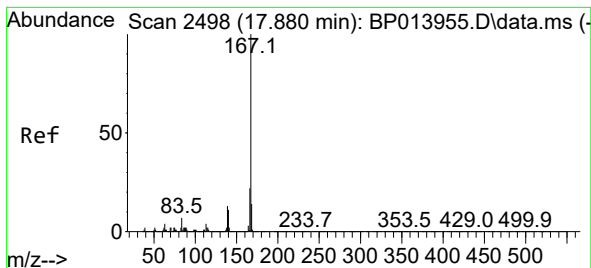
Ion Ratio Lower Upper

178 100

176 17.8 14.9 22.3

179 14.2 12.1 18.1





#73

Carbazole

Concen: 3.541 ng

RT: 17.875 min Scan# 2498

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

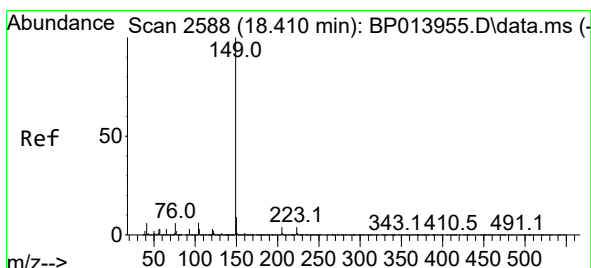
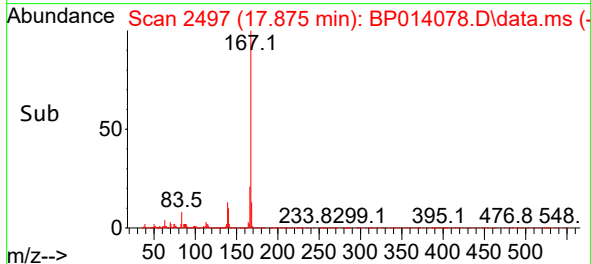
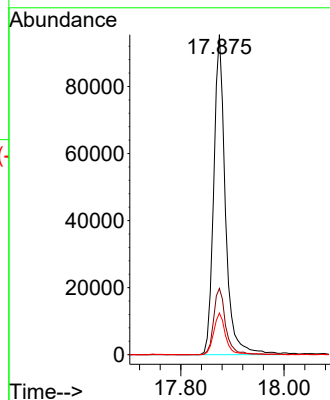
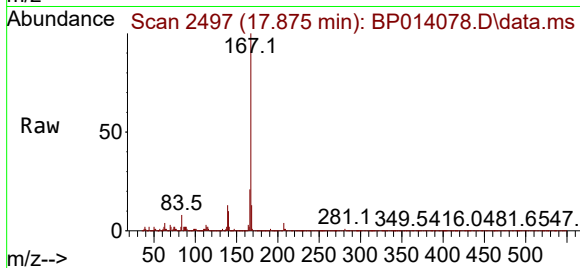
Tgt Ion:167 Resp: 149399

Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 13.0 10.5 15.7



#74

Di-n-butylphthalate

Concen: 3.163 ng

RT: 18.404 min Scan# 2587

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

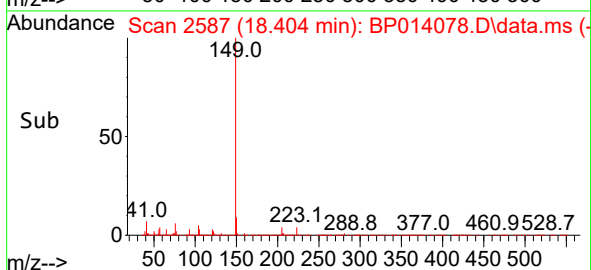
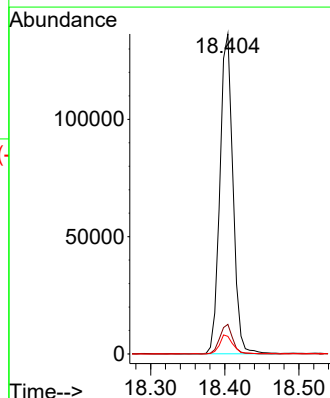
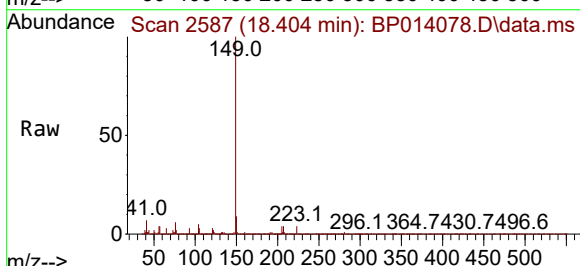
Tgt Ion:149 Resp: 166870

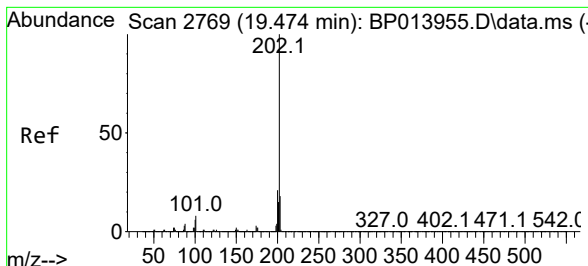
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 5.5 4.6 7.0





#75

Fluoranthene

Concen: 3.338 ng

RT: 19.469 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

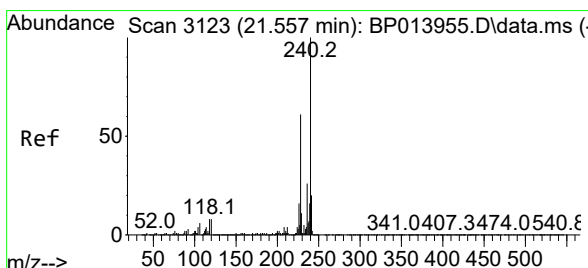
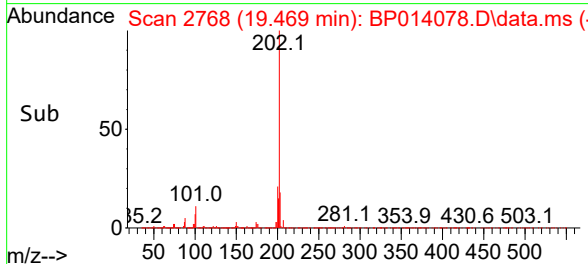
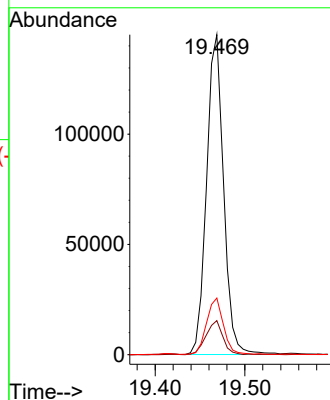
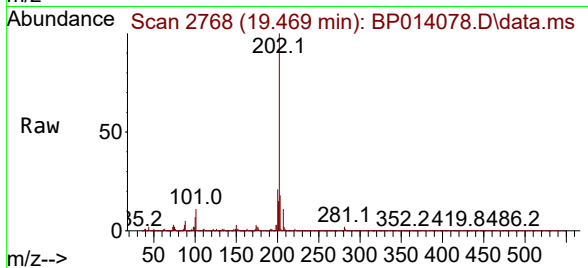
Tgt Ion:202 Resp: 191003

Ion Ratio Lower Upper

202 100

101 10.7 0.0 27.9

203 17.7 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.551 min Scan# 3122

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

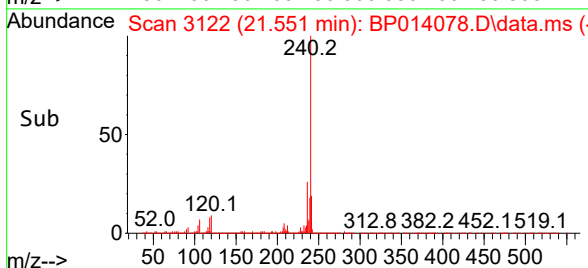
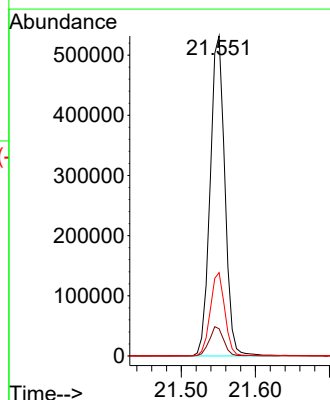
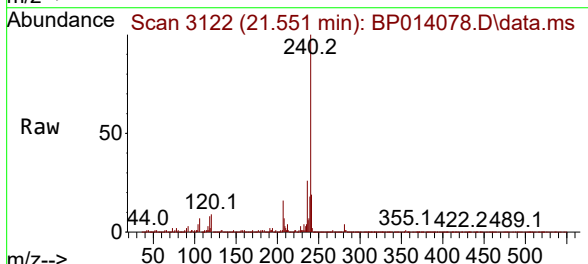
Tgt Ion:240 Resp: 731329

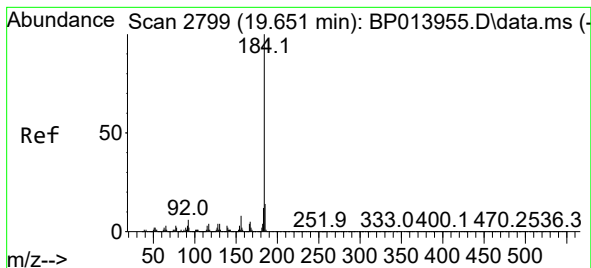
Ion Ratio Lower Upper

240 100

120 8.5 6.4 9.6

236 26.1 21.2 31.8





#77

Benzidine

Concen: 6.795 ng

RT: 19.645 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

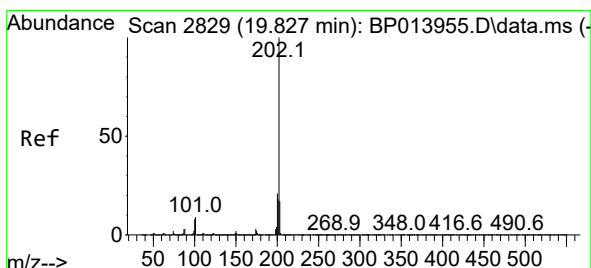
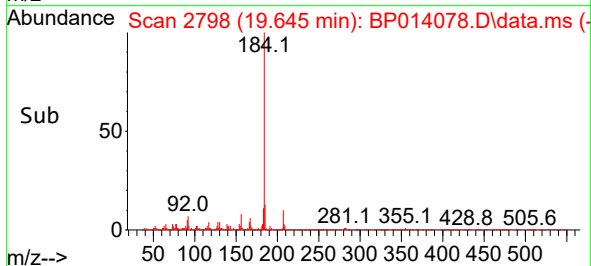
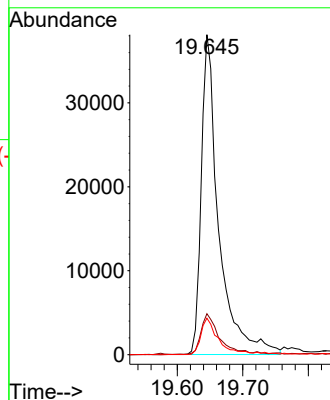
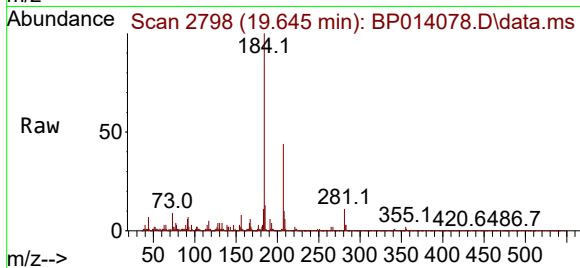
Tgt Ion:184 Resp: 70539

Ion Ratio Lower Upper

184 100

185 12.8 11.6 17.4

183 11.4 9.7 14.5



#78

Pyrene

Concen: 3.638 ng

RT: 19.822 min Scan# 2828

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

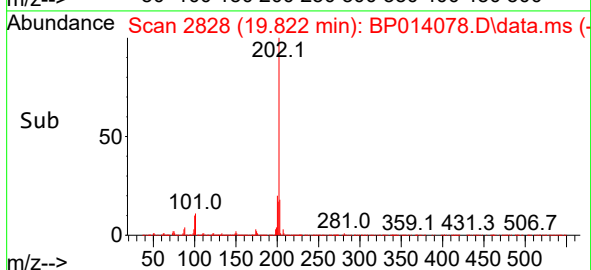
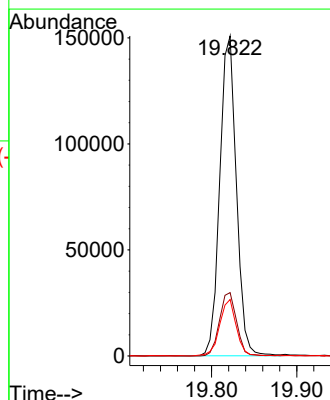
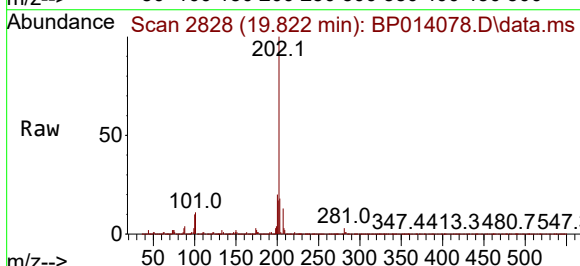
Tgt Ion:202 Resp: 204203

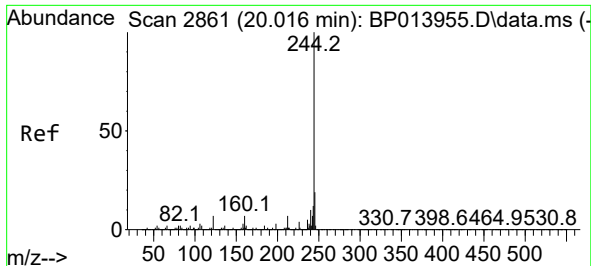
Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

203 17.7 13.9 20.9

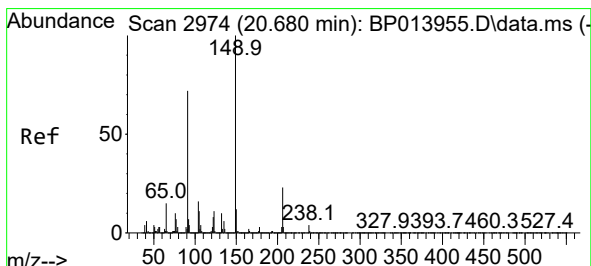
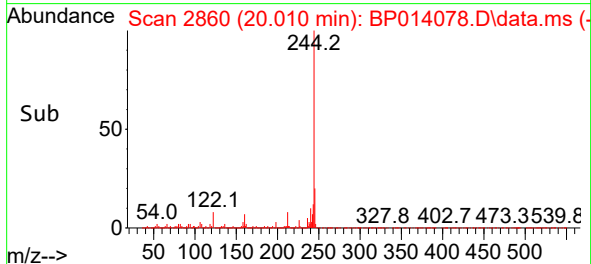
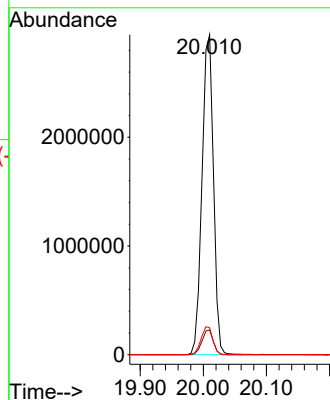
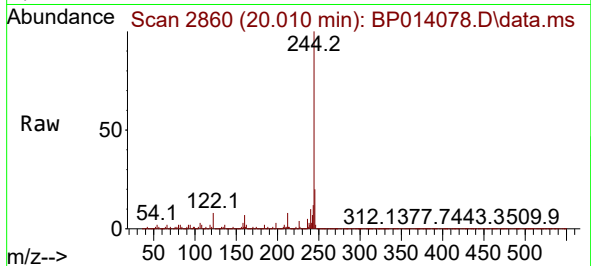




#79
 Terphenyl-d14
 Concen: 83.508 ng
 RT: 20.010 min Scan# 2860
 Delta R.T. 0.006 min
 Lab File: BP014078.D
 Acq: 14 Mar 2023 11:41

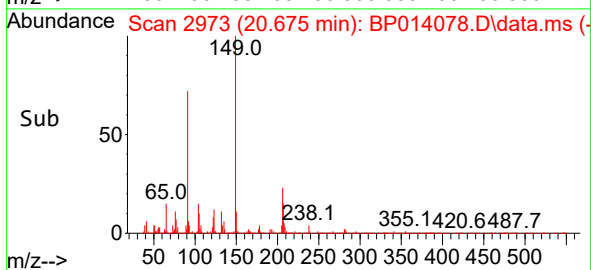
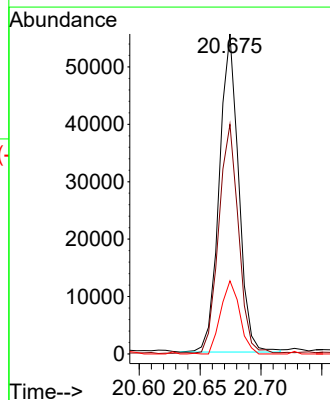
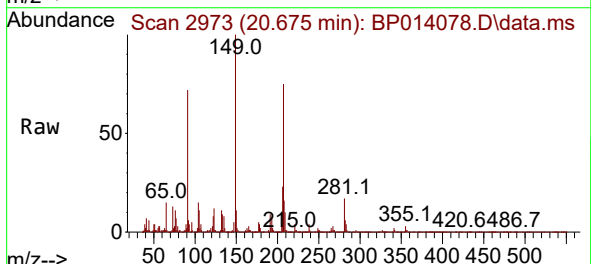
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

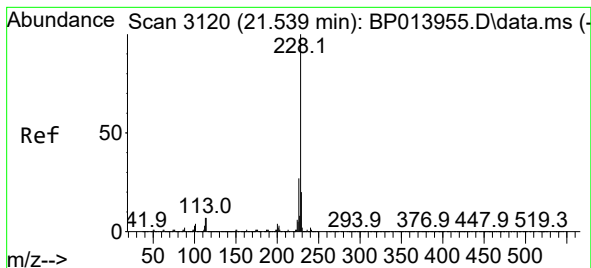
Tgt Ion:244 Resp: 3703701
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 8.4 5.8 8.6



#80
 Butylbenzylphthalate
 Concen: 2.880 ng
 RT: 20.675 min Scan# 2973
 Delta R.T. 0.006 min
 Lab File: BP014078.D
 Acq: 14 Mar 2023 11:41

Tgt Ion:149 Resp: 61292
 Ion Ratio Lower Upper
 149 100
 91 71.7 58.0 87.0
 206 22.9 18.7 28.1





#81

Benzo(a)anthracene

Concen: 3.513 ng

RT: 21.533 min Scan# 3120

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

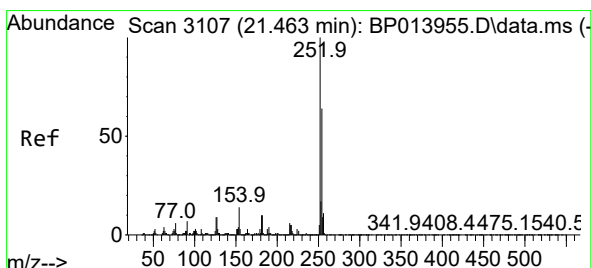
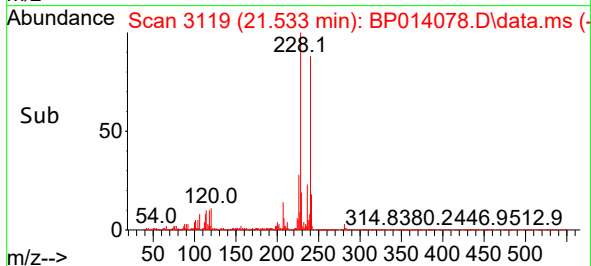
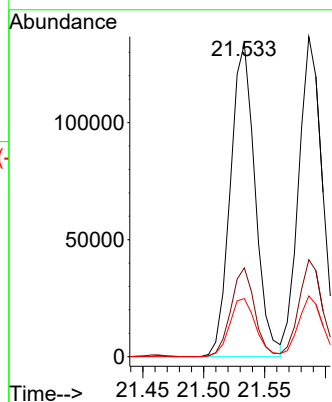
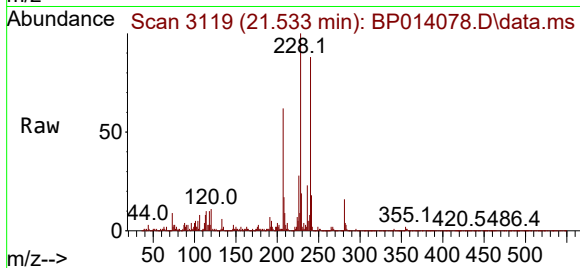
Tgt Ion:228 Resp: 188499

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 18.5 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 3.632 ng

RT: 21.463 min Scan# 3107

Delta R.T. 0.012 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

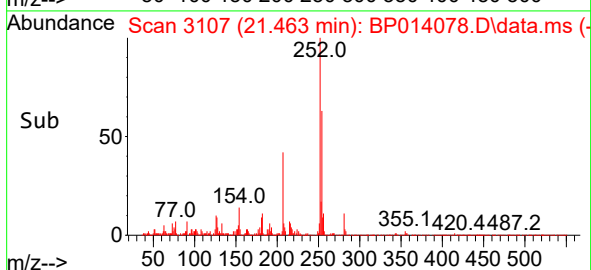
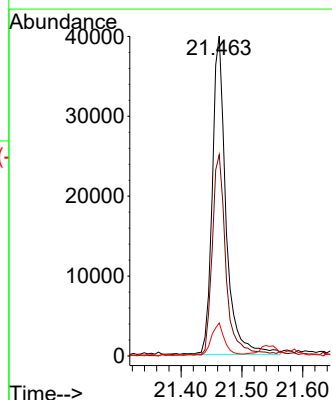
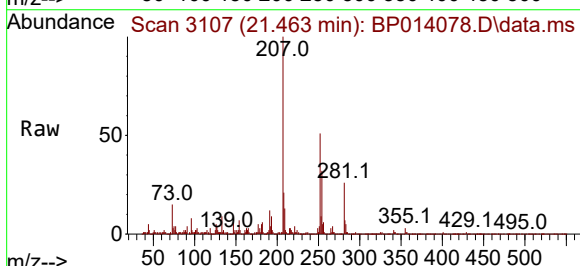
Tgt Ion:252 Resp: 62369

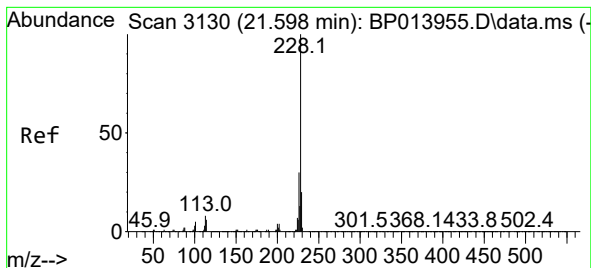
Ion Ratio Lower Upper

252 100

254 62.9 51.0 76.6

126 10.3 7.0 10.6





#83

Chrysene

Concen: 3.667 ng

RT: 21.586 min Scan# 311

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

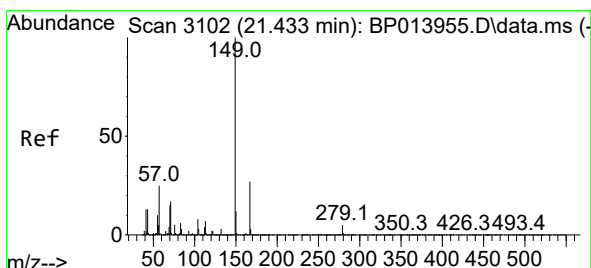
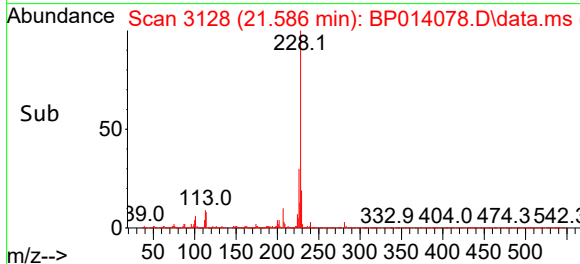
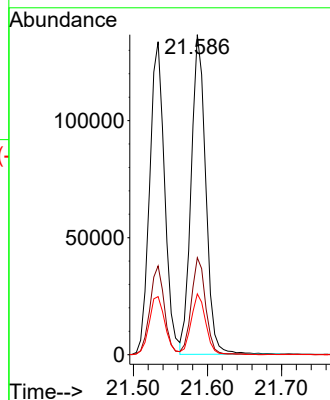
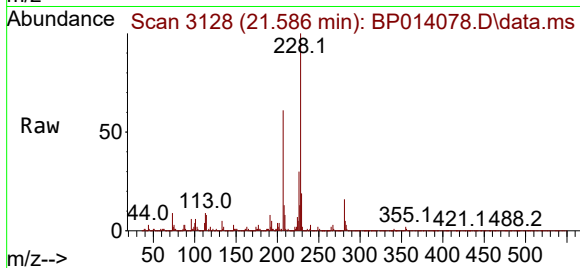
Tgt Ion:228 Resp: 186342

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

229 19.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.653 ng

RT: 21.427 min Scan# 3101

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

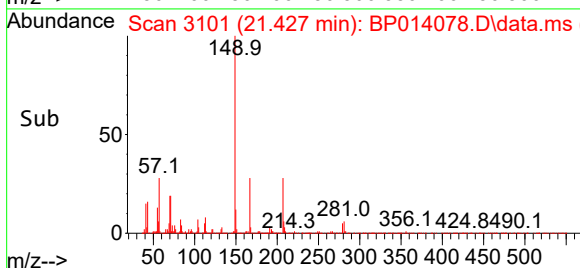
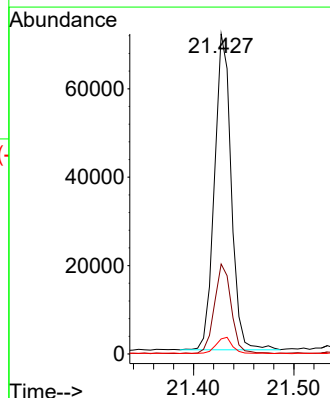
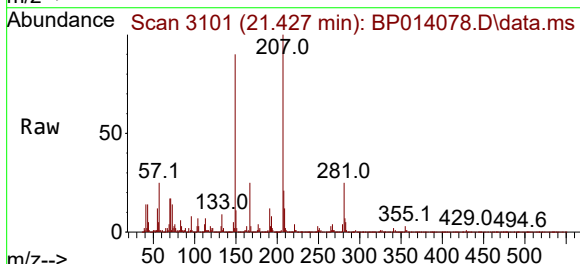
Tgt Ion:149 Resp: 82834

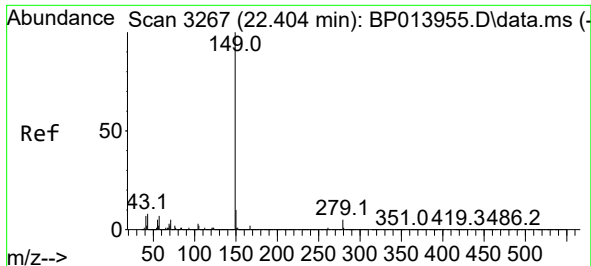
Ion Ratio Lower Upper

149 100

167 28.1 21.8 32.6

279 4.7 4.0 6.0

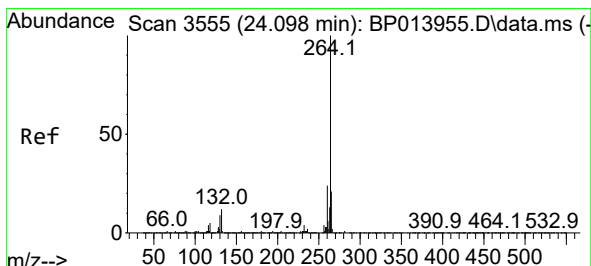
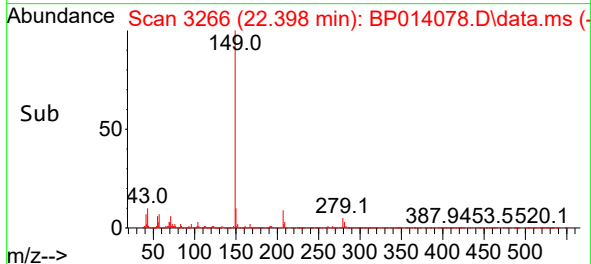
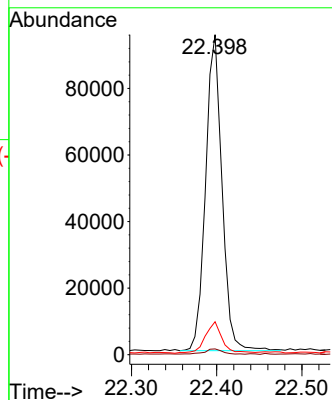
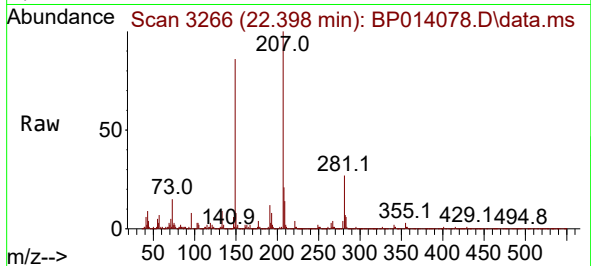




#85
Di-n-octyl phthalate
Concen: 2.506 ng
RT: 22.398 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

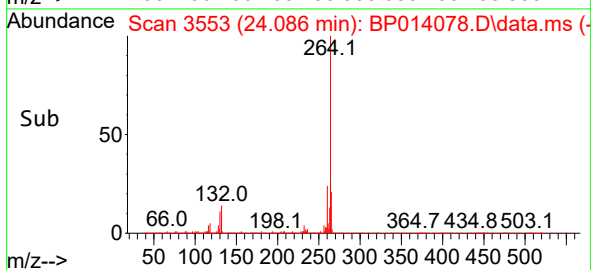
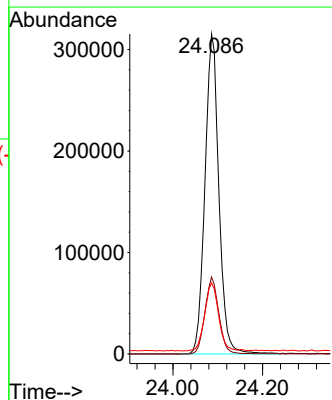
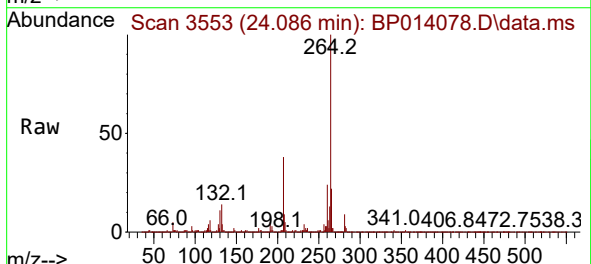
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

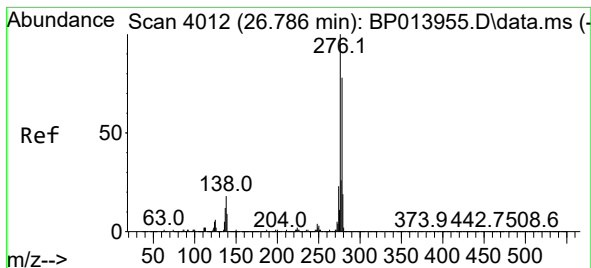
Tgt Ion:149 Resp: 126991
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 10.3 6.4 9.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.086 min Scan# 3553
Delta R.T. 0.006 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion:264 Resp: 678377
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 22.2 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.957 ng

RT: 26.751 min Scan# 4012

Delta R.T. 0.000 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

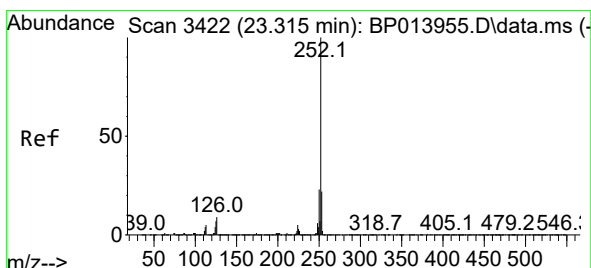
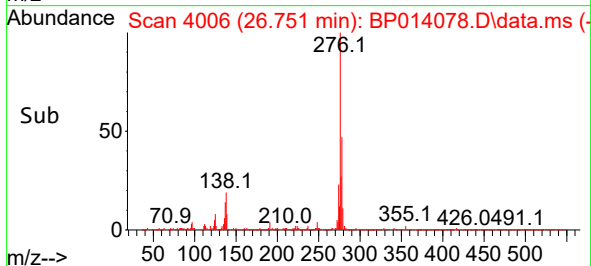
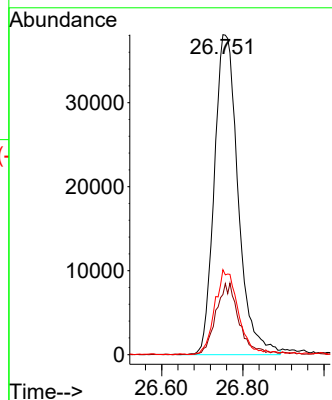
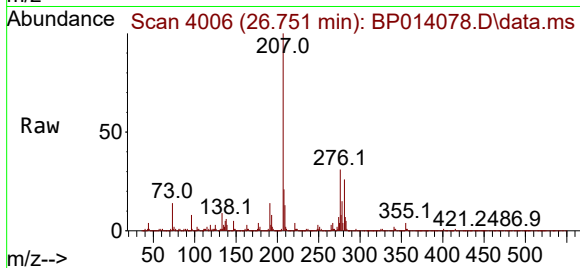
Tgt Ion:276 Resp: 154985

Ion Ratio Lower Upper

276 100

138 21.3 13.8 20.8#

277 25.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 3.695 ng

RT: 23.304 min Scan# 3420

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

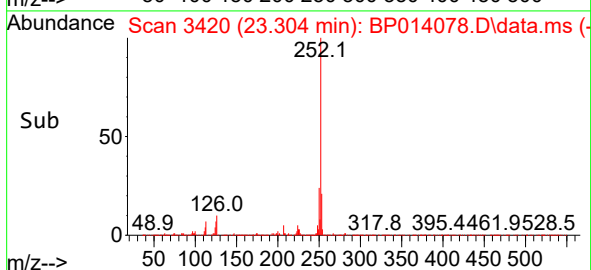
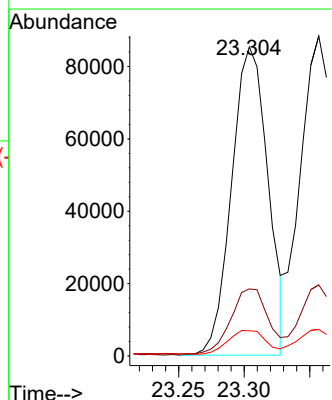
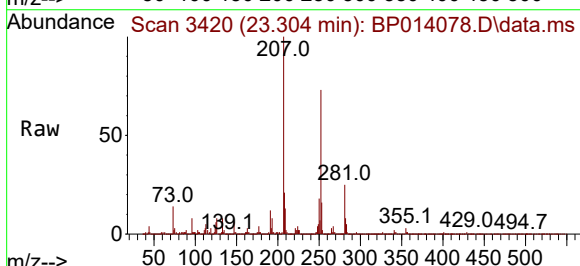
Tgt Ion:252 Resp: 164128

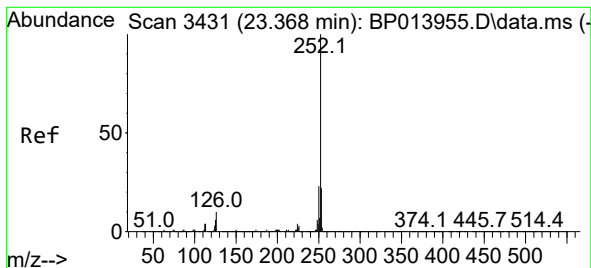
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 8.1 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 3.863 ng

RT: 23.357 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

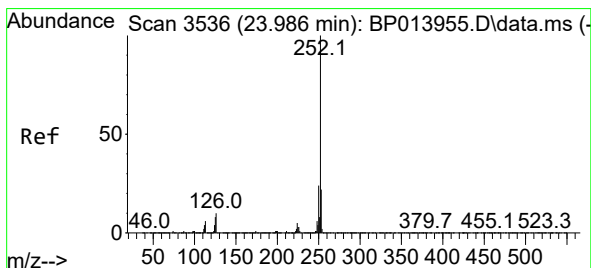
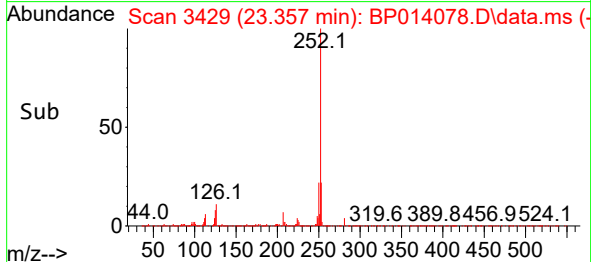
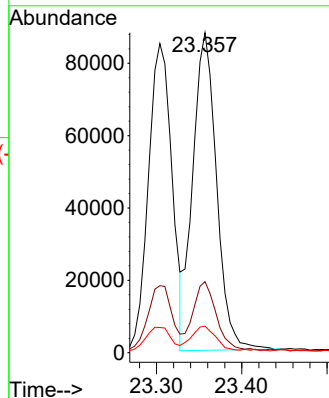
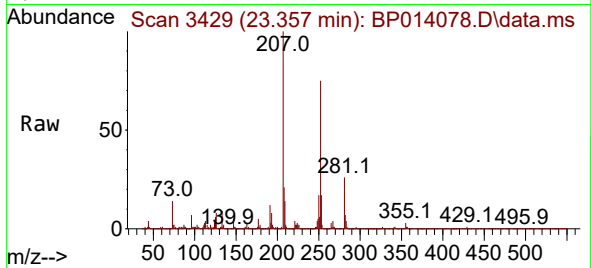
Tgt Ion:252 Resp: 170127

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 8.3 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 3.188 ng

RT: 23.974 min Scan# 3534

Delta R.T. 0.006 min

Lab File: BP014078.D

Acq: 14 Mar 2023 11:41

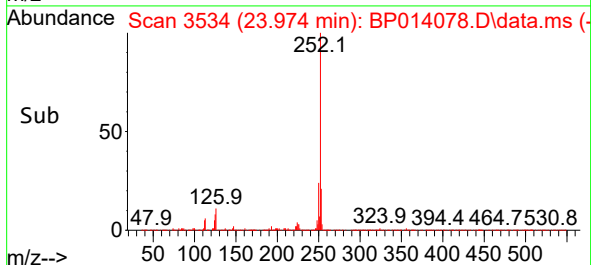
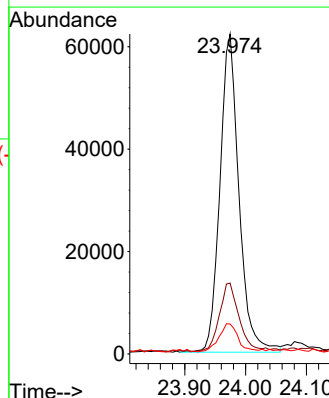
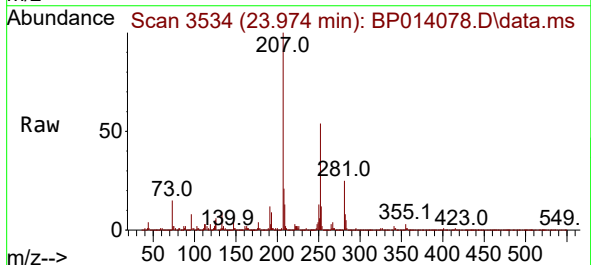
Tgt Ion:252 Resp: 135067

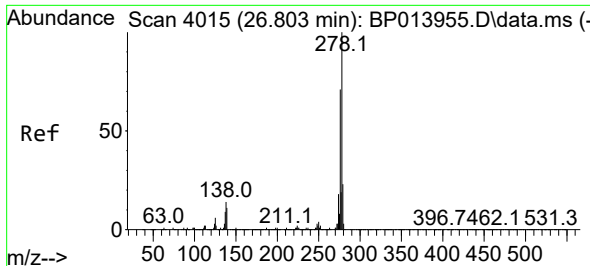
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.3 6.2 9.4

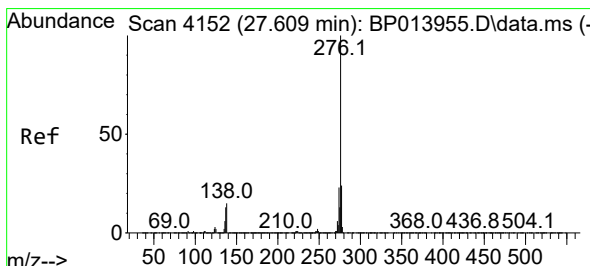
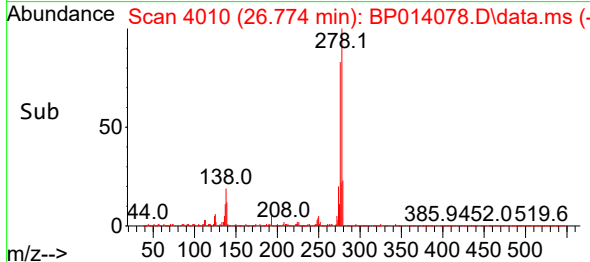
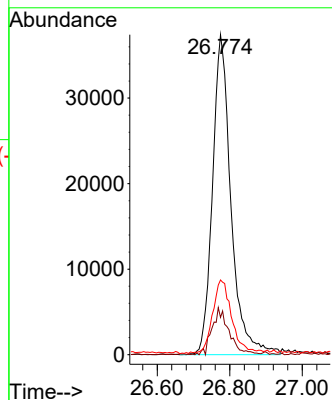
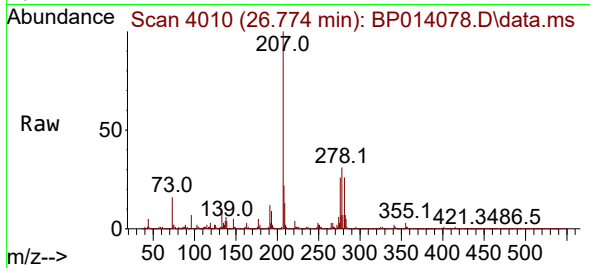




#91
Dibenzo(a,h)anthracene
Concen: 3.036 ng
RT: 26.774 min Scan# 4015
Delta R.T. 0.012 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 278 Resp: 132300
Ion Ratio Lower Upper
278 100
139 11.7 8.7 13.1
279 23.4 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 3.023 ng
RT: 27.580 min Scan# 4147
Delta R.T. 0.012 min
Lab File: BP014078.D
Acq: 14 Mar 2023 11:41

Tgt Ion: 276 Resp: 130545
Ion Ratio Lower Upper
276 100
277 23.5 19.4 29.0
138 19.1 12.2 18.4#

