

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031423\
 Data File : BP014079.D
 Acq On : 14 Mar 2023 12:15
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 15 04:03:15 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	8.069	152	173619	20.000	ng	0.00
21) Naphthalene-d8	10.893	136	651618	20.000	ng	# 0.00
39) Acenaphthene-d10	14.710	164	432788	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	928668	20.000	ng	# 0.00
76) Chrysene-d12	21.545	240	790067	20.000	ng	0.00
86) Perylene-d12	24.074	264	719715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	1083224	101.182	ng	0.00
7) Phenol-d6	7.222	99	1429677	101.715	ng	0.00
23) Nitrobenzene-d5	9.246	82	1114621	78.182	ng	0.00
42) 2,4,6-Tribromophenol	16.204	330	673621	95.998	ng	0.00
45) 2-Fluorobiphenyl	13.334	172	2452056	73.404	ng	0.00
79) Terphenyl-d14	20.004	244	3597633	75.086	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.470	88	32222	6.928	ng	93
3) Pyridine	3.893	79	67780	5.248	ng	97
4) n-Nitrosodimethylamine	3.793	42	35360	6.168	ng	# 93
6) Aniline	7.393	93	120149	6.507	ng	99
8) 2-Chlorophenol	7.628	128	76357	6.659	ng	93
9) Benzaldehyde	7.205	77	76960	10.941	ng	98
10) Phenol	7.246	94	101529	6.940	ng	97
11) bis(2-Chloroethyl)ether	7.487	93	80409	6.942	ng	98
12) 1,3-Dichlorobenzene	7.958	146	89419	7.097	ng	99
13) 1,4-Dichlorobenzene	8.105	146	90362	7.089	ng	98
14) 1,2-Dichlorobenzene	8.422	146	86639	7.096	ng	98
15) Benzyl Alcohol	8.316	79	71436	6.234	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.593	45	103026	8.170	ng	96
17) 2-Methylphenol	8.510	107	63570	6.093	ng	99
18) Hexachloroethane	9.157	117	31903	6.662	ng	96
19) n-Nitroso-di-n-propyla...	8.875	70	64156	6.935	ng	# 95
20) 3+4-Methylphenols	8.840	107	83133	5.917	ng	94
22) Acetophenone	8.899	105	123383	6.750	ng	# 98
24) Nitrobenzene	9.287	77	102621	7.035	ng	98
25) Isophorone	9.810	82	169837	6.465	ng	98
26) 2-Nitrophenol	10.005	139	35862	5.652	ng	95
27) 2,4-Dimethylphenol	10.052	122	64589	6.260	ng	98
28) bis(2-Chloroethoxy)met...	10.293	93	105771	6.957	ng	99
29) 2,4-Dichlorophenol	10.540	162	66038	5.847	ng	99
30) 1,2,4-Trichlorobenzene	10.752	180	84169	6.565	ng	98
31) Naphthalene	10.940	128	243287	6.795	ng	100
32) Benzoic acid	10.140	122	18936	4.791	ng	97
33) 4-Chloroaniline	11.057	127	89254	5.815	ng	96
34) Hexachlorobutadiene	11.222	225	57931	6.214	ng	99
35) Caprolactam	11.834	113	19789	6.122	ng	# 83
36) 4-Chloro-3-methylphenol	12.169	107	78989	6.271	ng	100
37) 2-Methylnaphthalene	12.540	142	170493	6.454	ng	99
38) 1-Methylnaphthalene	12.757	142	160242	6.508	ng	99
40) 1,2,4,5-Tetrachloroben...	12.904	216	101078	6.127	ng	97
41) Hexachlorocyclopentadiene	12.881	237	58184	5.620	ng	100
43) 2,4,6-Trichlorophenol	13.146	196	59590	5.715	ng	97

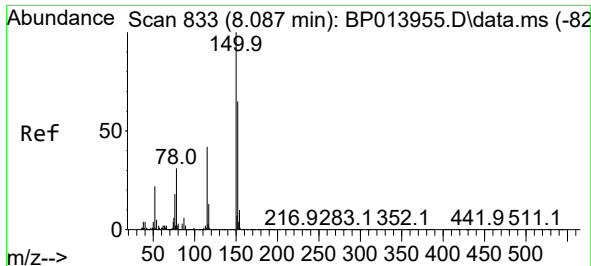
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.222	196	66161	5.475	ng	99
46) 1,1'-Biphenyl	13.540	154	238061	6.834	ng	96
47) 2-Chloronaphthalene	13.587	162	178981	6.674	ng	99
48) 2-Nitroaniline	13.793	65	46696	5.738	ng	98
49) Acenaphthylene	14.434	152	266429	6.247	ng	99
50) Dimethylphthalate	14.157	163	228429	6.398	ng	99
51) 2,6-Dinitrotoluene	14.281	165	44361	5.900	ng	94
52) Acenaphthene	14.775	154	168961	6.581	ng	98
53) 3-Nitroaniline	14.622	138	39759	5.396	ng	97
54) 2,4-Dinitrophenol	14.828	184	19413	6.427	ng	90
55) Dibenzofuran	15.104	168	278363	6.651	ng	98
56) 4-Nitrophenol	14.928	139	28868	4.811	ng	93
57) 2,4-Dinitrotoluene	15.069	165	56548	5.626	ng	# 96
58) Fluorene	15.757	166	218872	6.586	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.251	232	60736	5.762	ng	94
60) Diethylphthalate	15.516	149	220198	6.246	ng	99
61) 4-Chlorophenyl-phenyle...	15.745	204	119850	6.362	ng	97
62) 4-Nitroaniline	15.781	138	37304	5.084	ng	# 81
63) Azobenzene	16.039	77	216677	6.642	ng	96
65) 4,6-Dinitro-2-methylph...	15.834	198	29829	4.336	ng	89
66) n-Nitrosodiphenylamine	15.963	169	187043	6.374	ng	99
67) 4-Bromophenyl-phenylether	16.645	248	71180	5.795	ng	94
68) Hexachlorobenzene	16.763	284	84111	6.388	ng	97
69) Atrazine	16.910	200	67971	6.597	ng	98
70) Pentachlorophenol	17.116	266	40415	4.256	ng	96
71) Phenanthrene	17.504	178	344082	6.632	ng	99
72) Anthracene	17.598	178	332254	6.268	ng	100
73) Carbazole	17.869	167	289758	6.337	ng	98
74) Di-n-butylphthalate	18.398	149	334128	5.844	ng	99
75) Fluoranthene	19.463	202	375786	6.060	ng	98
77) Benzidine	19.639	184	156753	11.065	ng	98
78) Pyrene	19.816	202	391734	6.460	ng	98
80) Butylbenzylphthalate	20.669	149	122362	5.322	ng	93
81) Benzo(a)anthracene	21.527	228	362915	6.260	ng	99
82) 3,3'-Dichlorobenzidine	21.451	252	124485	6.711	ng	98
83) Chrysene	21.580	228	348972	6.357	ng	99
84) Bis(2-ethylhexyl)phtha...	21.422	149	164577	4.880	ng	100
85) Di-n-octyl phthalate	22.392	149	251591	4.595	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.745	276	300731	5.408	ng	# 96
88) Benzo(b)fluoranthene	23.298	252	314729	6.678	ng	# 98
89) Benzo(k)fluoranthene	23.345	252	315506	6.752	ng	# 98
90) Benzo(a)pyrene	23.963	252	255251	5.678	ng	# 97
91) Dibenzo(a,h)anthracene	26.762	278	247434	5.352	ng	# 98
92) Benzo(g,h,i)perylene	27.557	276	244014	5.326	ng	98

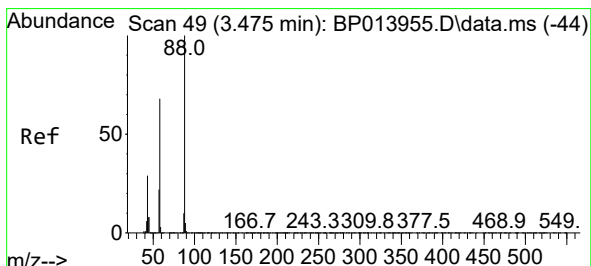
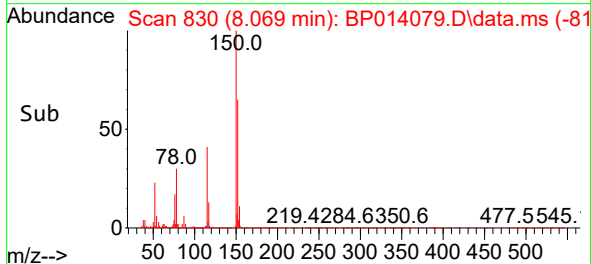
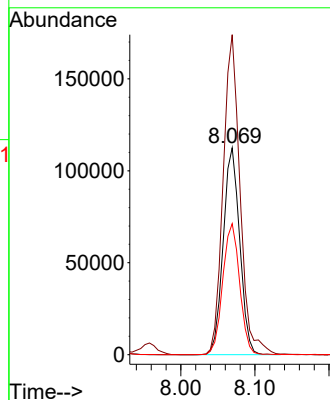
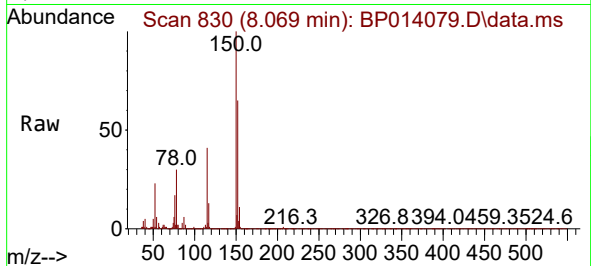
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

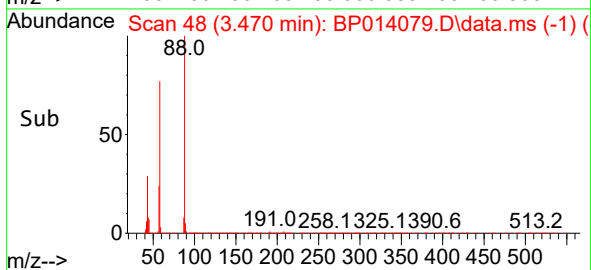
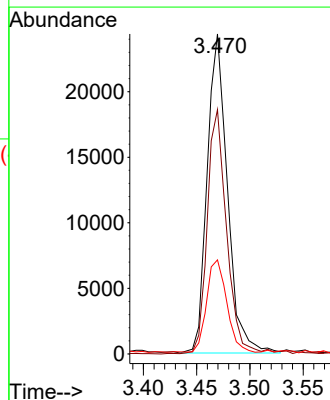
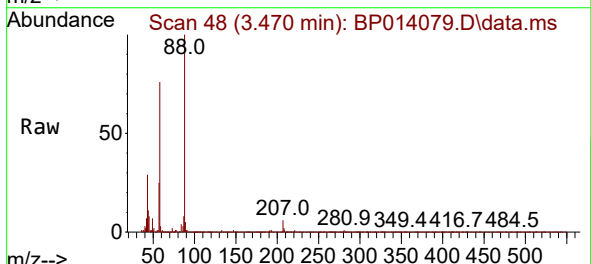
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

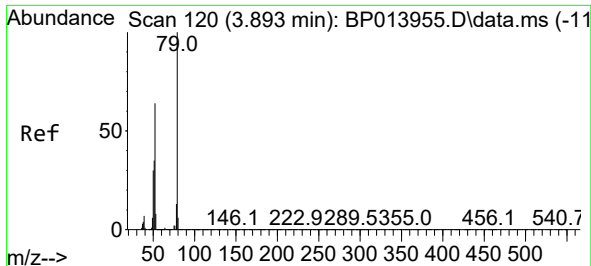
Tgt Ion:152 Resp: 173619
Ion Ratio Lower Upper
152 100
150 154.6 122.3 183.5
115 63.3 51.6 77.4



#2
1,4-Dioxane
Concen: 6.928 ng
RT: 3.470 min Scan# 48
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 88 Resp: 32222
Ion Ratio Lower Upper
88 100
58 74.2 53.8 80.8
43 28.6 22.1 33.1

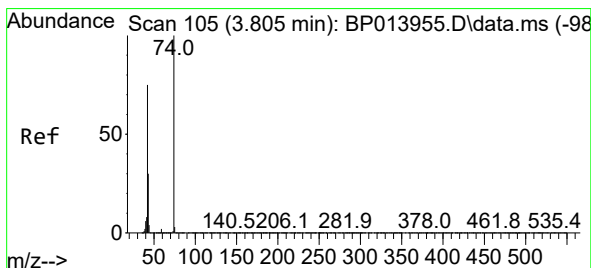
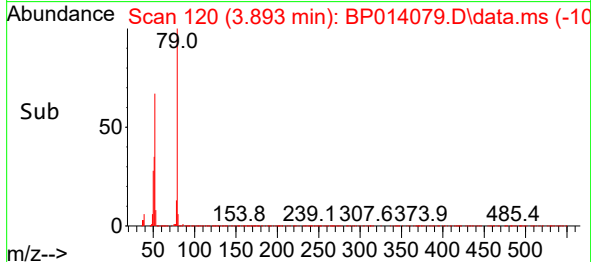
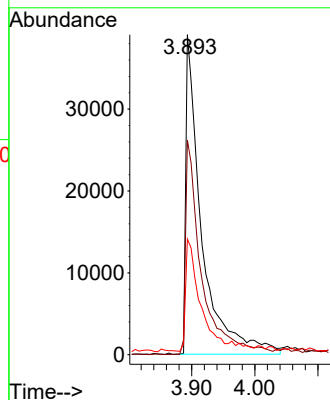
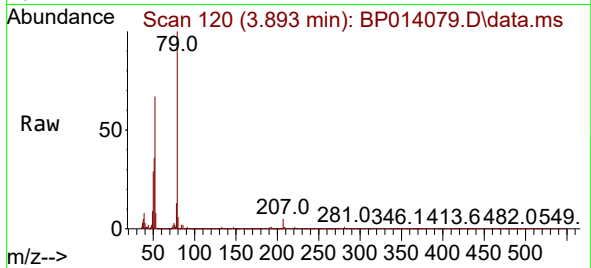




#3
Pyridine
Concen: 5.248 ng
RT: 3.893 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

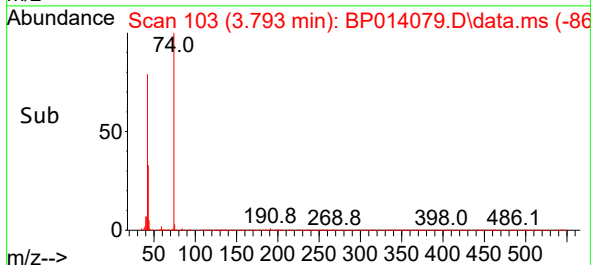
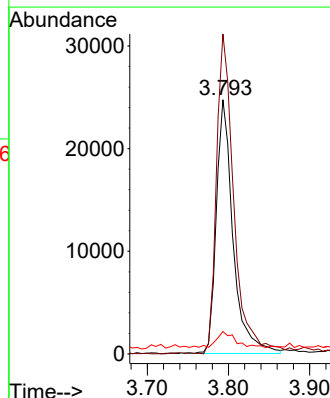
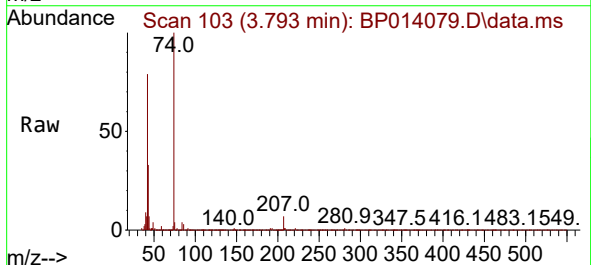
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

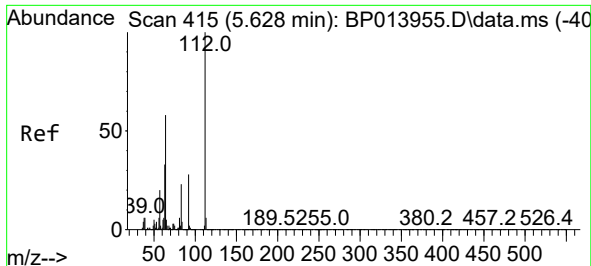
Tgt Ion: 79 Resp: 67780
Ion Ratio Lower Upper
79 100
52 67.1 51.0 76.4
51 36.2 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 6.168 ng
RT: 3.793 min Scan# 103
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 42 Resp: 35360
Ion Ratio Lower Upper
42 100
74 125.8 107.0 160.6
44 8.8 4.5 6.7#

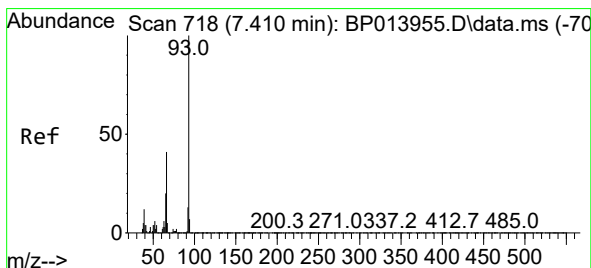
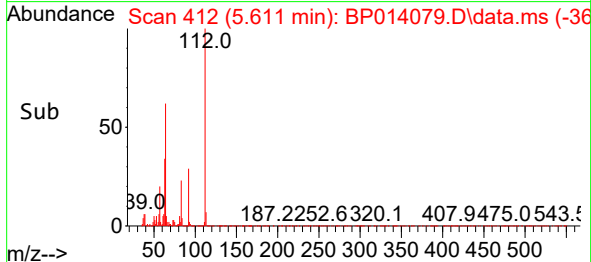
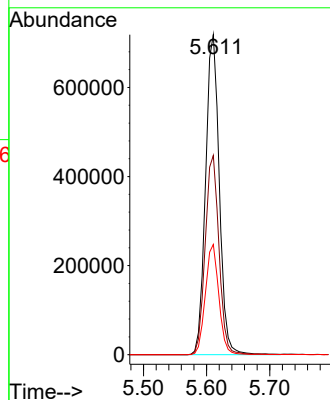
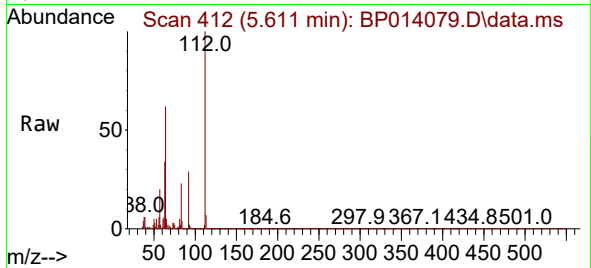




#5
2-Fluorophenol
Concen: 101.182 ng
RT: 5.611 min Scan# 411
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

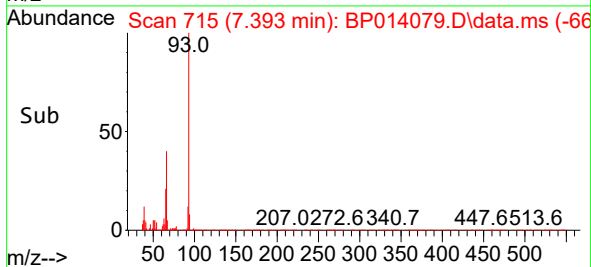
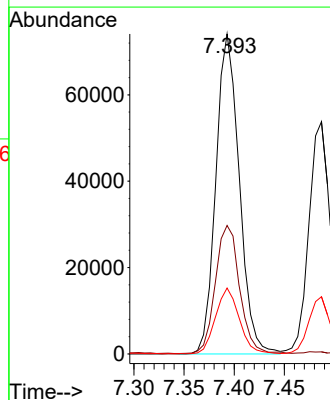
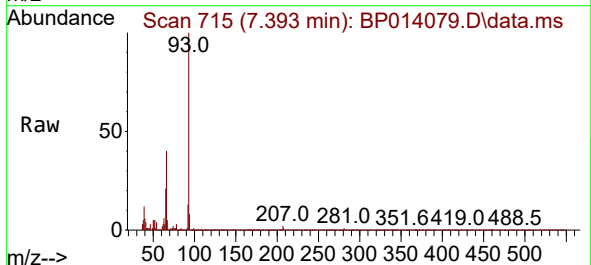
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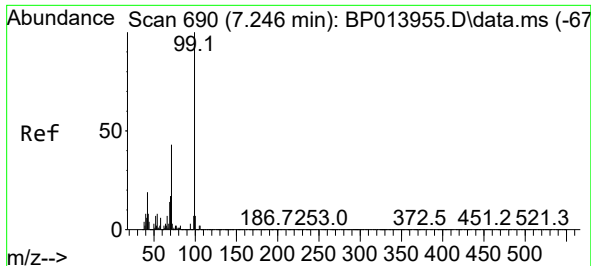
Tgt Ion:112 Resp: 1083224
Ion Ratio Lower Upper
112 100
64 62.3 46.7 70.1
63 34.5 26.6 40.0



#6
Aniline
Concen: 6.507 ng
RT: 7.393 min Scan# 715
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 93 Resp: 120149
Ion Ratio Lower Upper
93 100
66 40.2 32.6 48.8
65 20.6 16.0 24.0



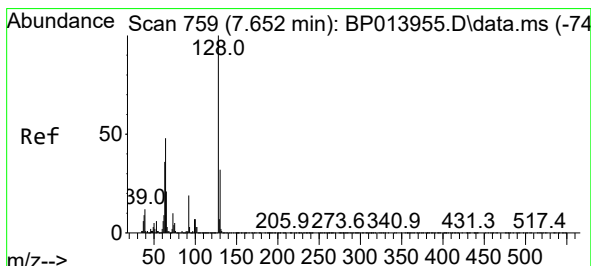
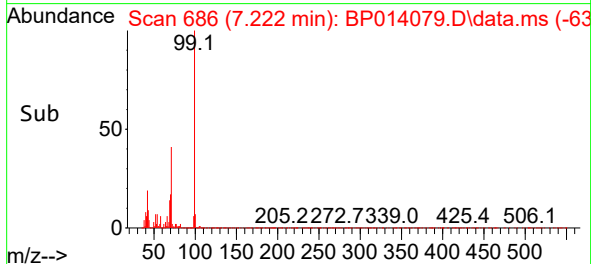
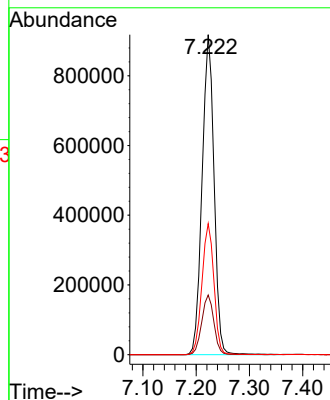
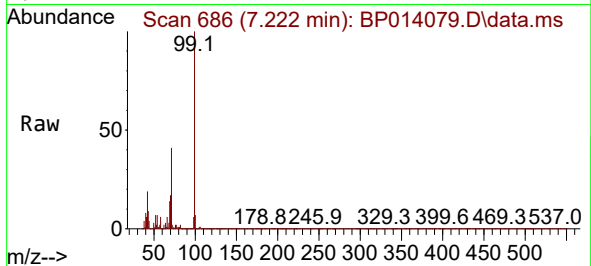


#7
Phenol-d6
Concen: 101.715 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

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

Tgt Ion: 99 Resp: 1429677

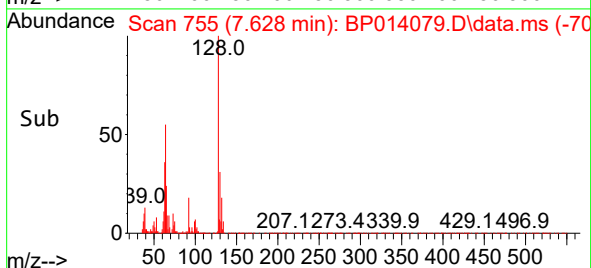
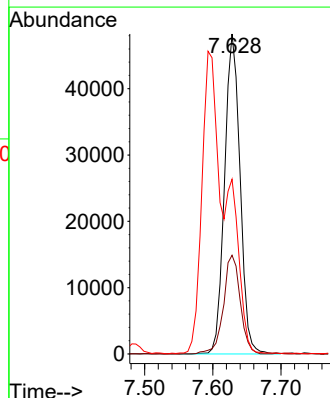
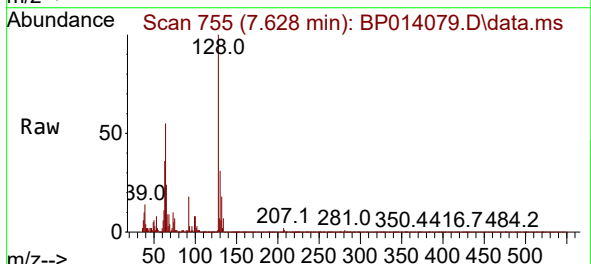
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.6
71	40.9	34.3	51.5

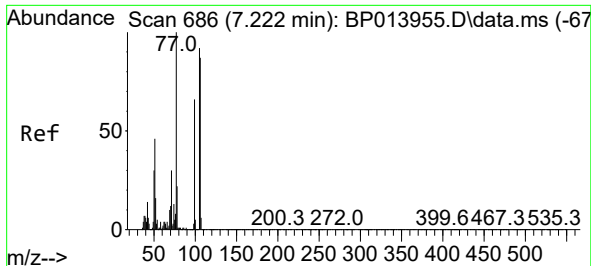


#8
2-Chlorophenol
Concen: 6.659 ng
RT: 7.628 min Scan# 755
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 128 Resp: 76357

Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.3	52.3
64	54.6	27.6	67.6

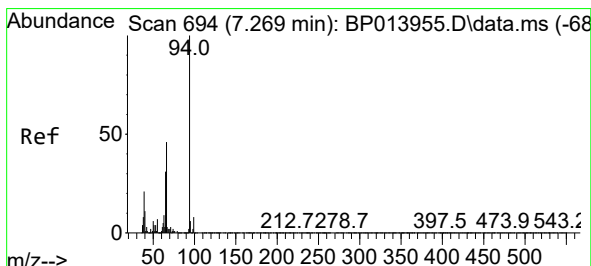
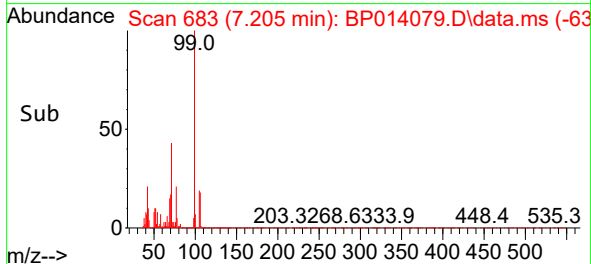
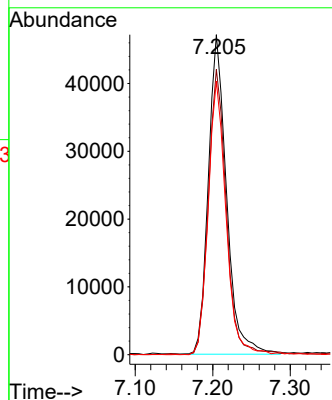
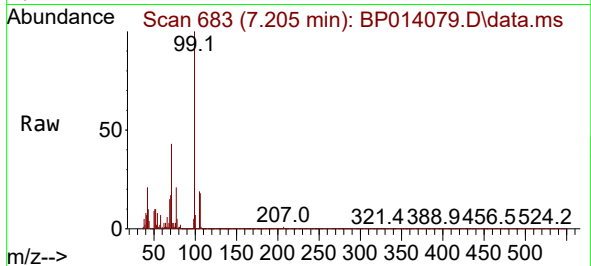




#9
Benzaldehyde
Concen: 10.941 ng
RT: 7.205 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

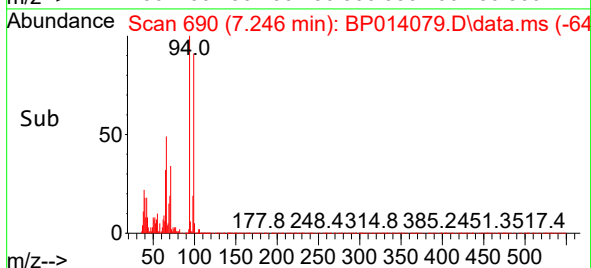
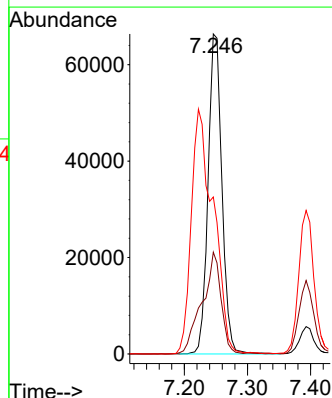
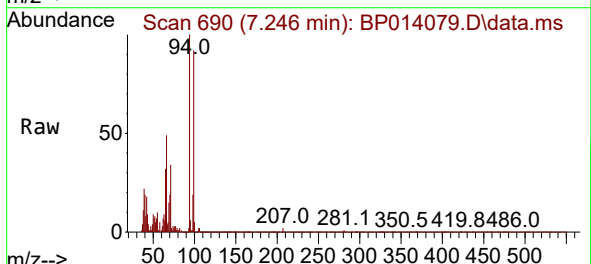
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

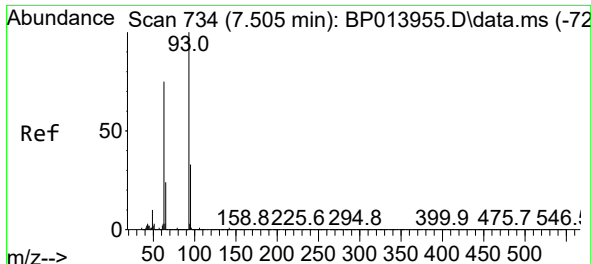
Tgt Ion: 77 Resp: 76960
Ion Ratio Lower Upper
77 100
105 89.1 72.4 112.4
106 85.5 66.9 106.9



#10
Phenol
Concen: 6.940 ng
RT: 7.246 min Scan# 690
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 94 Resp: 101529
Ion Ratio Lower Upper
94 100
65 31.8 10.9 50.9
66 49.1 26.1 66.1

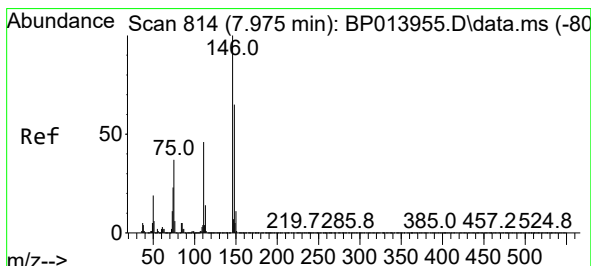
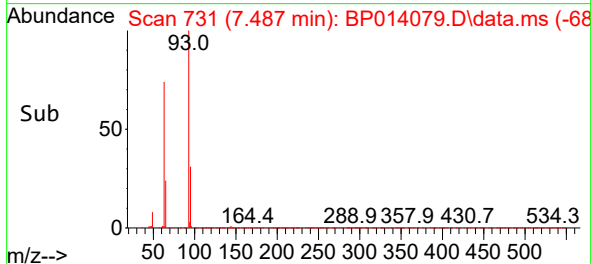
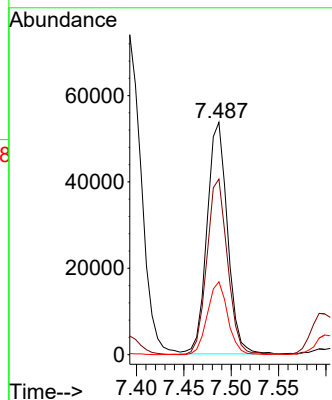
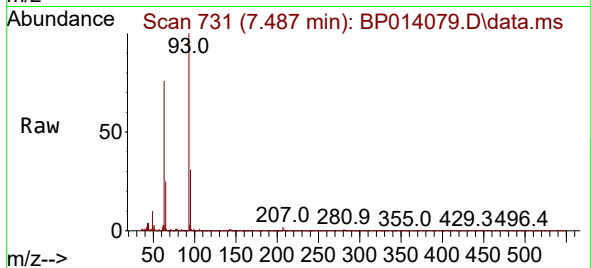




#11
bis(2-Chloroethyl)ether
Concen: 6.942 ng
RT: 7.487 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

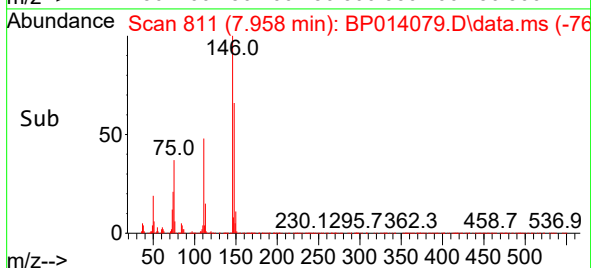
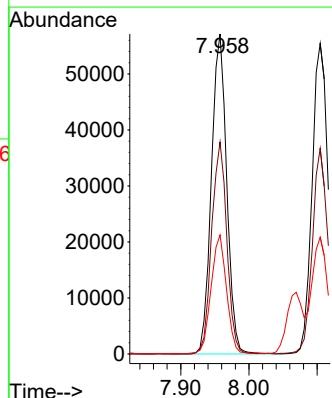
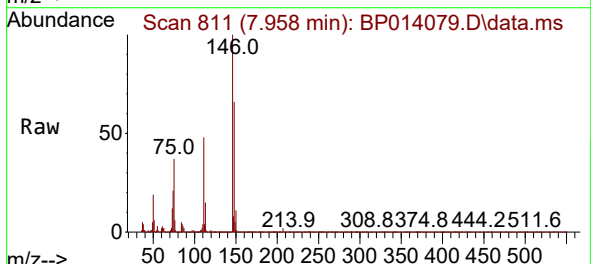
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

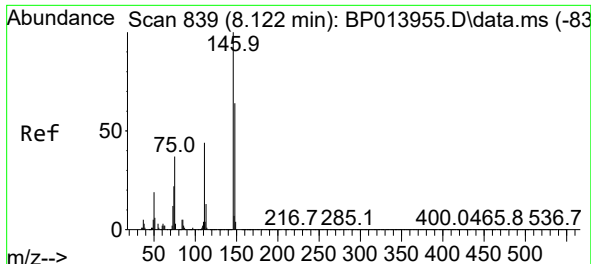
Tgt Ion: 93 Resp: 80409
Ion Ratio Lower Upper
93 100
63 75.6 54.2 94.2
95 31.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 7.097 ng
RT: 7.958 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 146 Resp: 89419
Ion Ratio Lower Upper
146 100
148 66.3 52.1 78.1
75 37.2 29.4 44.0





#13

1,4-Dichlorobenzene

Concen: 7.089 ng

RT: 8.105 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

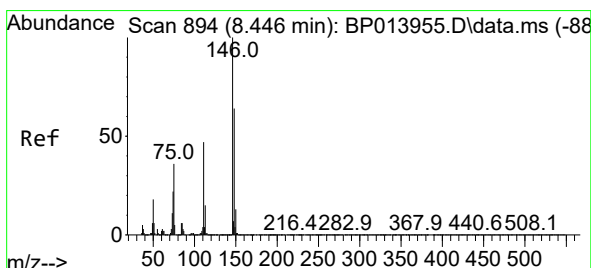
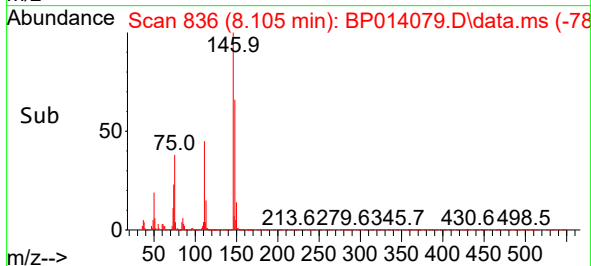
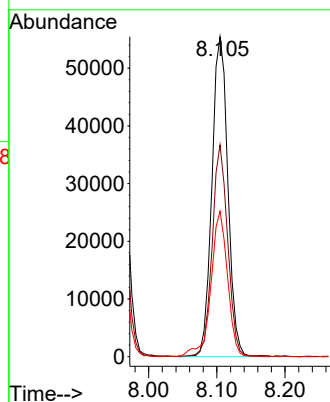
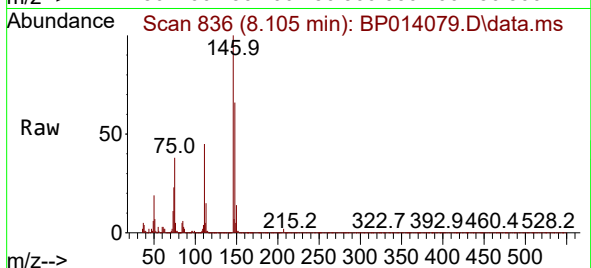
Tgt Ion:146 Resp: 90362

Ion Ratio Lower Upper

146 100

148 66.2 51.4 77.2

111 45.5 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 7.096 ng

RT: 8.422 min Scan# 890

Delta R.T. -0.012 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

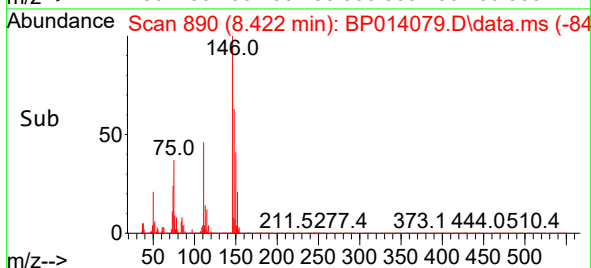
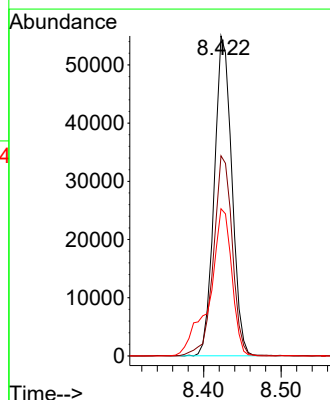
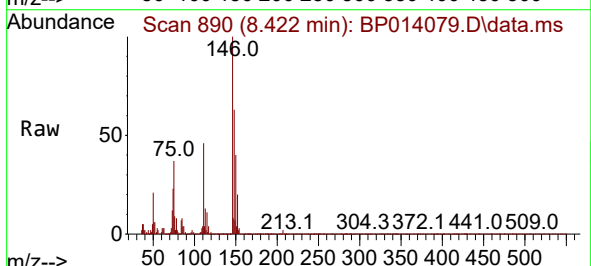
Tgt Ion:146 Resp: 86639

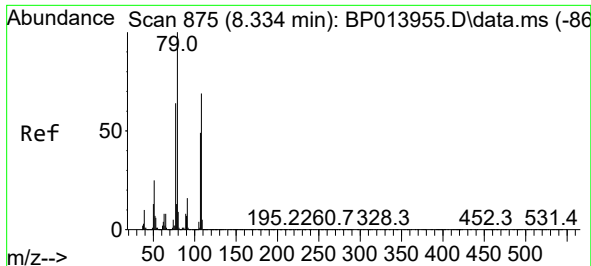
Ion Ratio Lower Upper

146 100

148 62.6 51.4 77.0

111 46.0 37.2 55.8

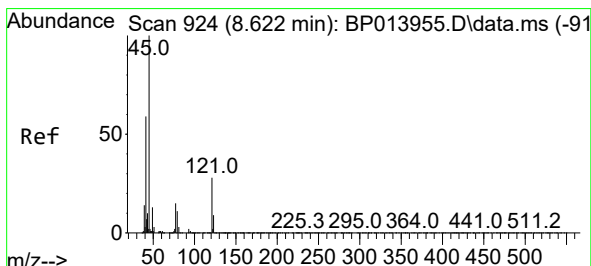
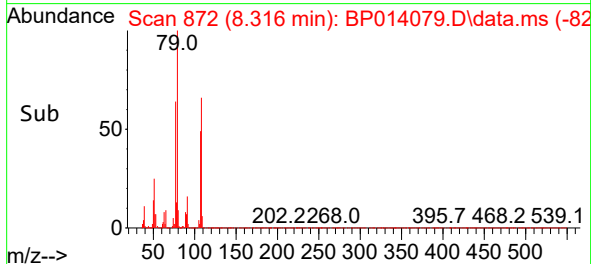
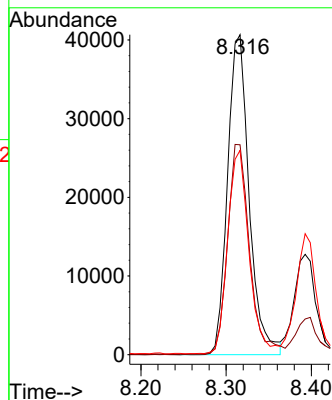
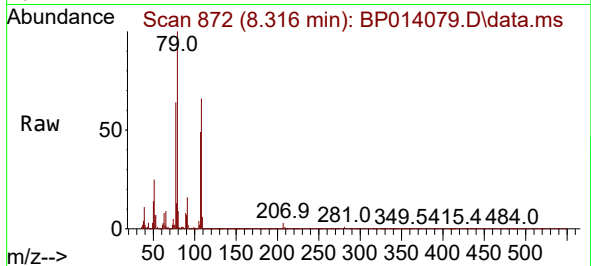




#15
Benzyl Alcohol
Concen: 6.234 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

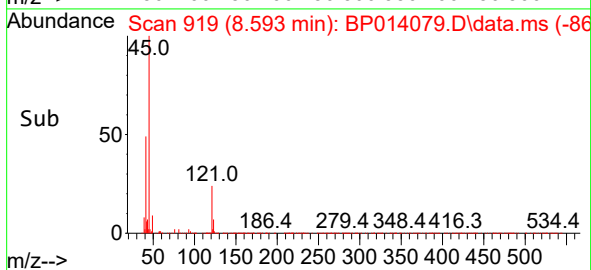
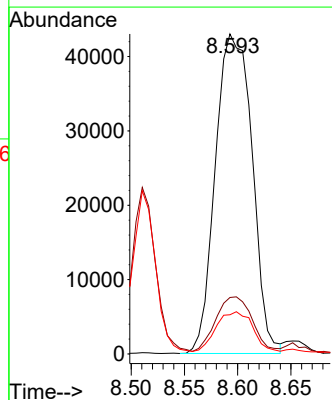
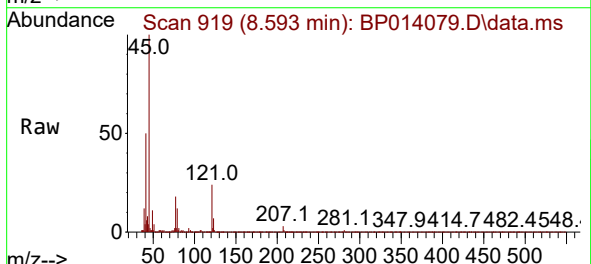
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

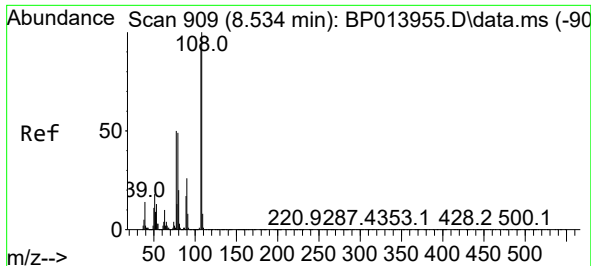
Tgt Ion: 79 Resp: 71436
Ion Ratio Lower Upper
79 100
108 65.6 54.9 82.3
77 63.8 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.170 ng
RT: 8.593 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 45 Resp: 103026
Ion Ratio Lower Upper
45 100
77 17.7 0.0 38.7
79 12.3 0.0 34.4

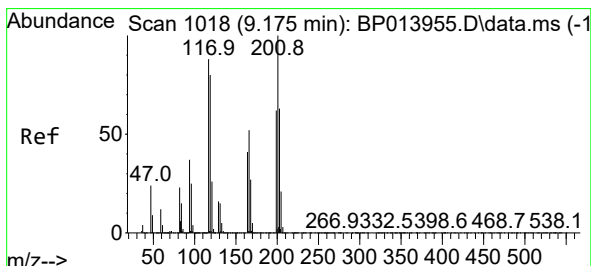
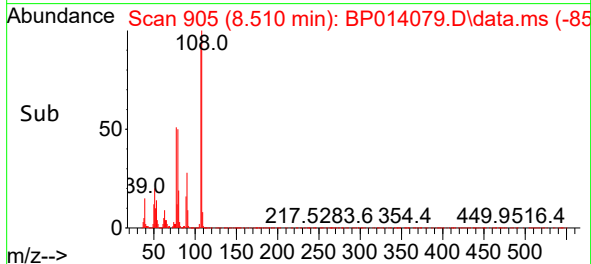
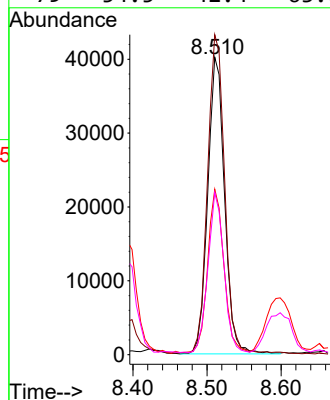
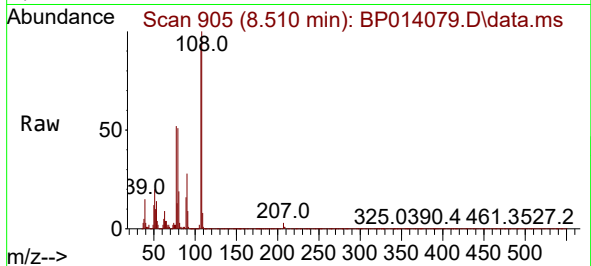




#17
2-Methylphenol
Concen: 6.093 ng
RT: 8.510 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

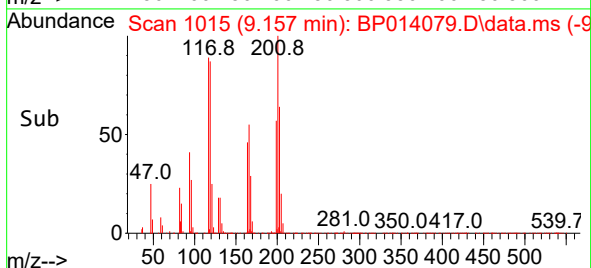
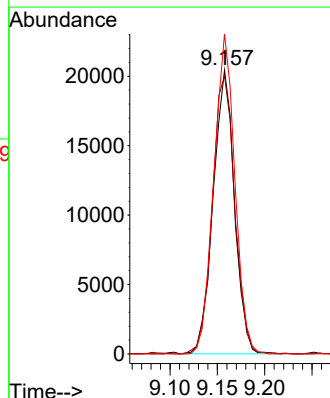
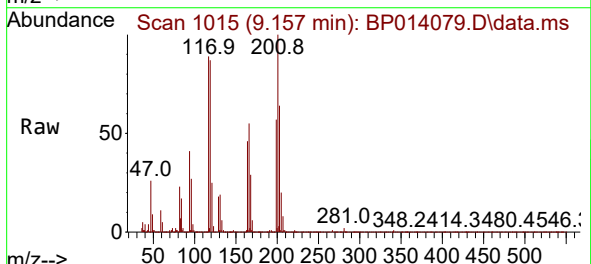
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

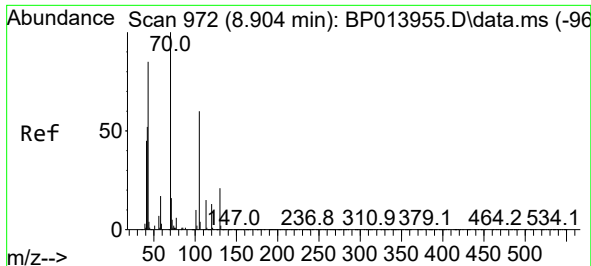
Tgt Ion:107 Resp: 63570
Ion Ratio Lower Upper
107 100
108 107.6 87.0 130.4
77 55.6 44.0 66.0
79 54.5 42.4 63.6



#18
Hexachloroethane
Concen: 6.662 ng
RT: 9.157 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:117 Resp: 31903
Ion Ratio Lower Upper
117 100
119 97.9 73.3 109.9
201 112.7 91.1 136.7

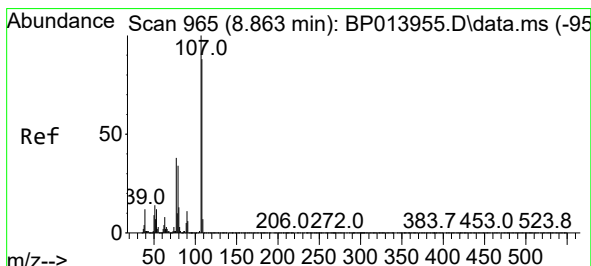
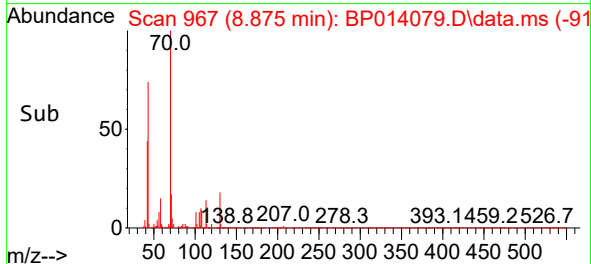
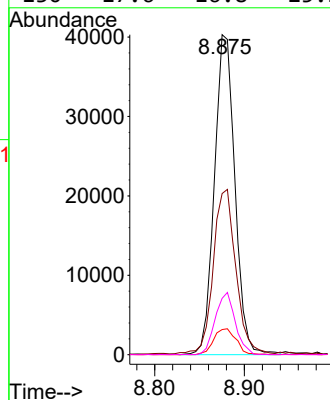
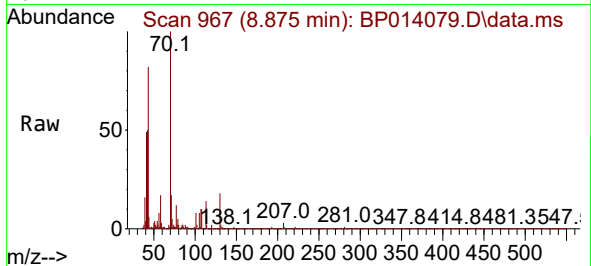




#19
n-Nitroso-di-n-propylamine
Concen: 6.935 ng
RT: 8.875 min Scan# 90
Delta R.T. -0.018 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

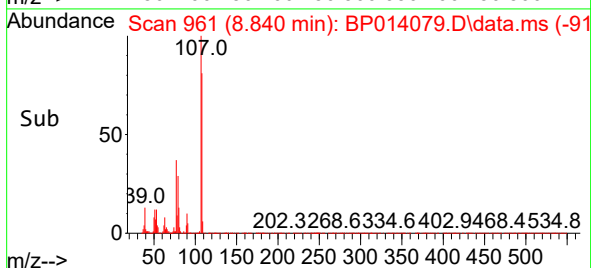
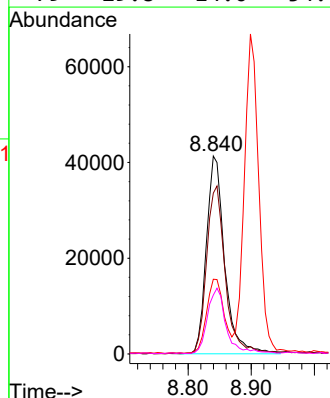
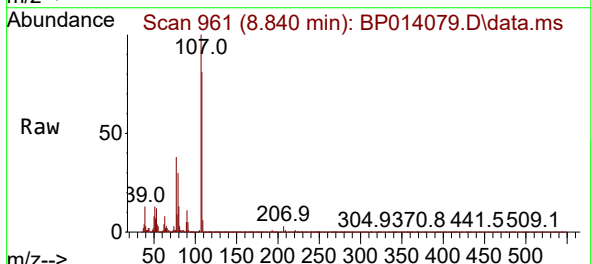
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

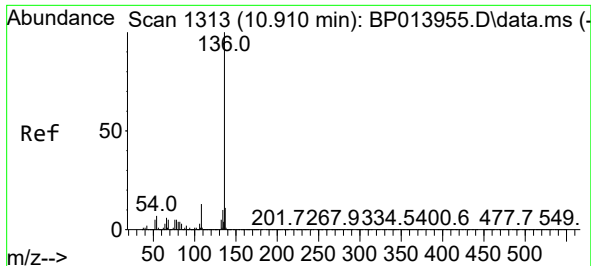
Tgt Ion:	70	Resp:	64156
Ion	Ratio	Lower	Upper
70	100		
42	50.3	42.4	63.6
101	7.9	8.2	12.4
130	17.6	16.8	25.2



#20
3+4-Methylphenols
Concen: 5.917 ng
RT: 8.840 min Scan# 961
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:	107	Resp:	83133
Ion	Ratio	Lower	Upper
107	100		
108	81.3	68.2	108.2
77	37.8	18.1	58.1
79	29.8	14.0	54.0

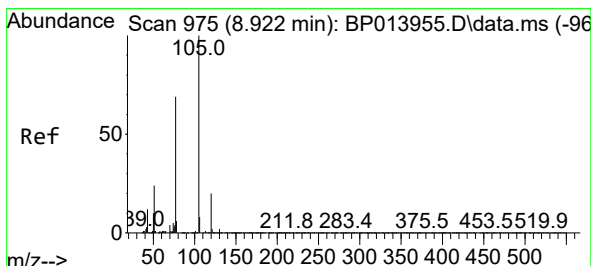
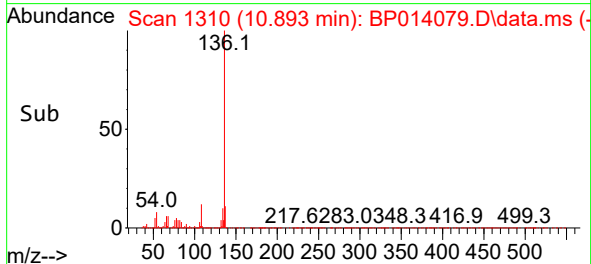
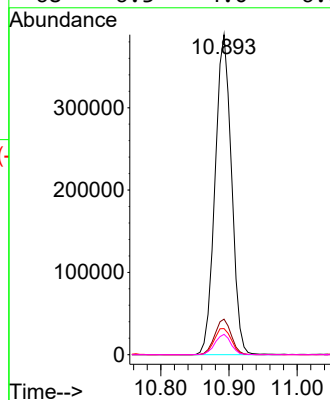
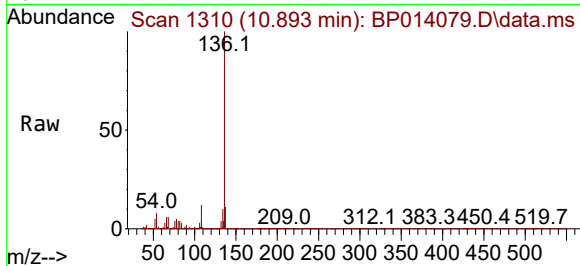




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.893 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

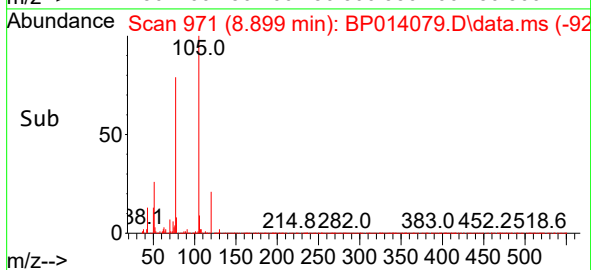
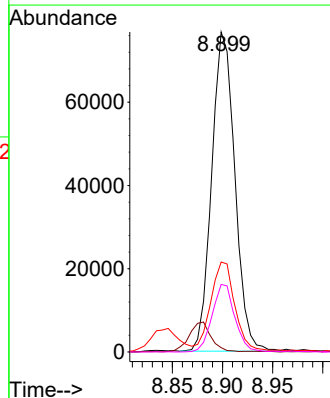
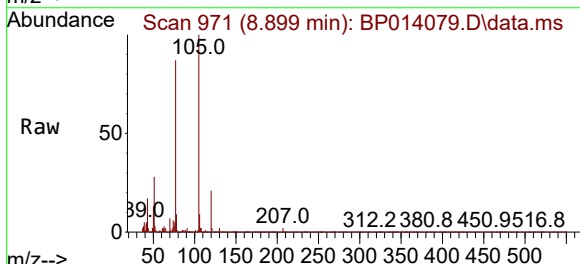
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

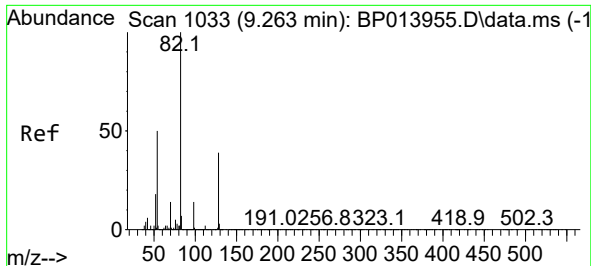
Tgt Ion:136 Resp: 651618
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.2 5.8 8.8
68 6.3 4.0 6.0#



#22
Acetophenone
Concen: 6.750 ng
RT: 8.899 min Scan# 971
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:105 Resp: 123383
Ion Ratio Lower Upper
105 100
71 1.3 1.4 2.0#
51 28.1 21.5 32.3
120 21.1 16.2 24.4

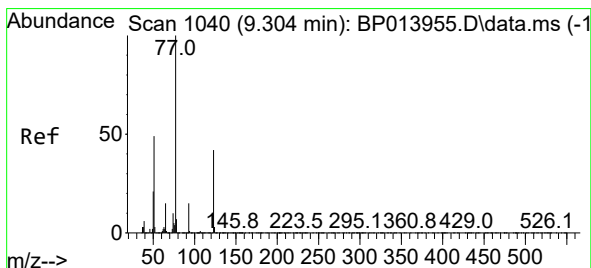
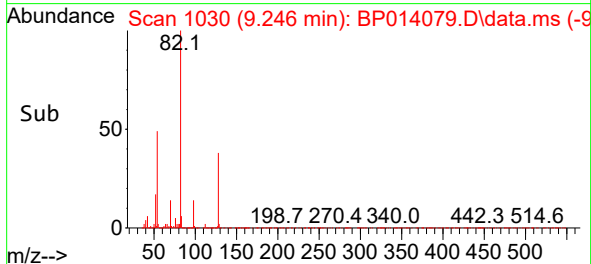
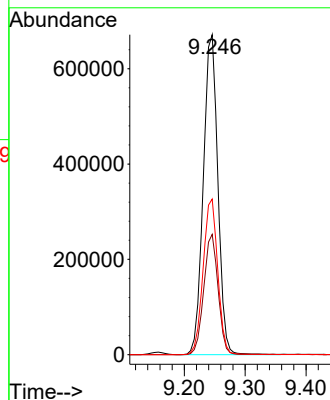
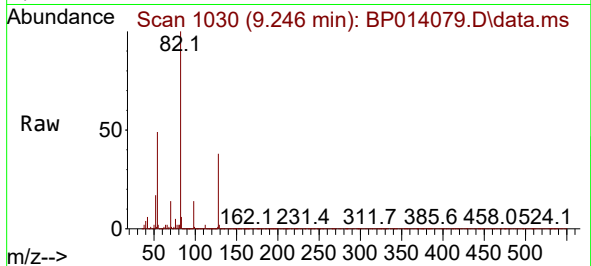




#23
Nitrobenzene-d5
Concen: 78.182 ng
RT: 9.246 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

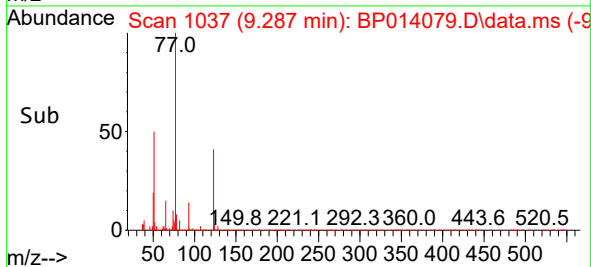
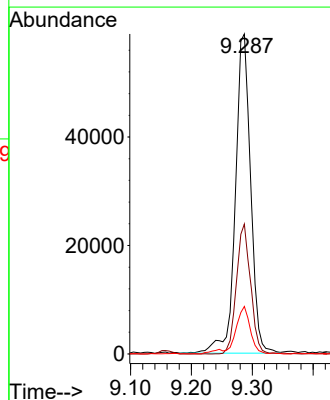
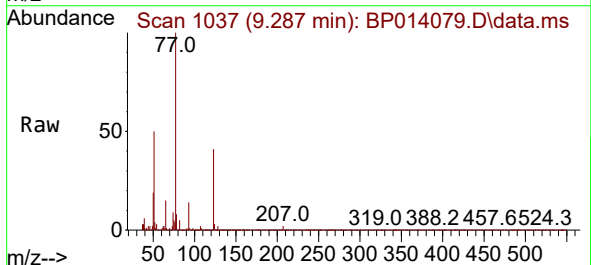
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

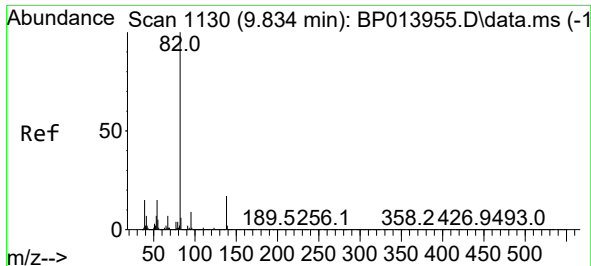
Tgt Ion: 82 Resp: 1114621
Ion Ratio Lower Upper
82 100
128 37.6 31.1 46.7
54 48.6 40.0 60.0



#24
Nitrobenzene
Concen: 7.035 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 77 Resp: 102621
Ion Ratio Lower Upper
77 100
123 40.6 33.6 50.4
65 14.8 11.6 17.4

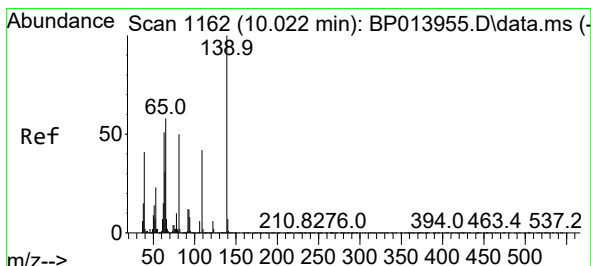
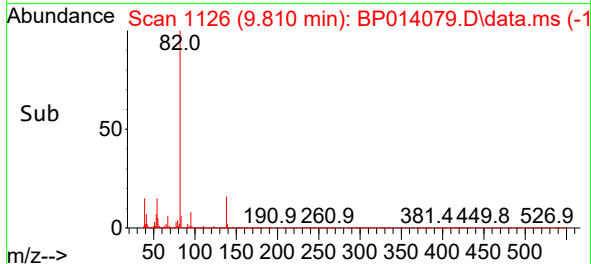
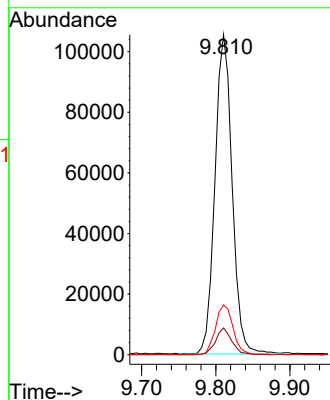
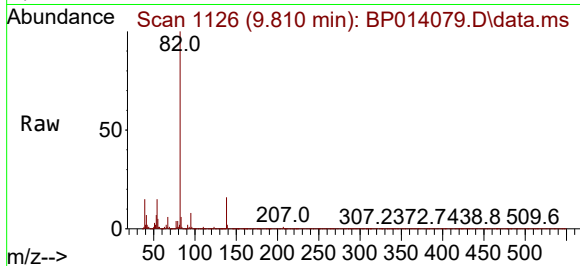




#25
Isophorone
Concen: 6.465 ng
RT: 9.810 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

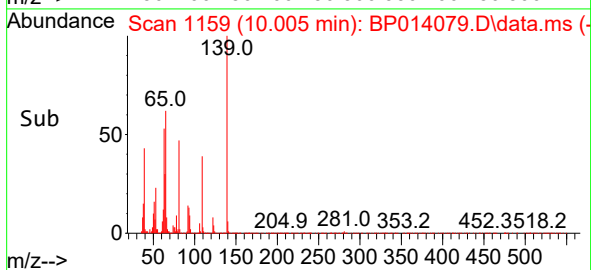
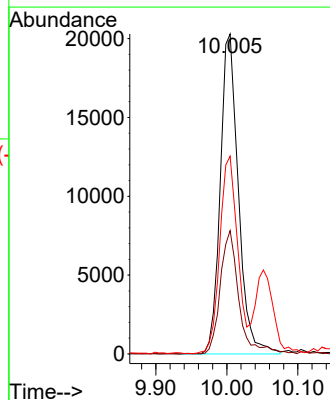
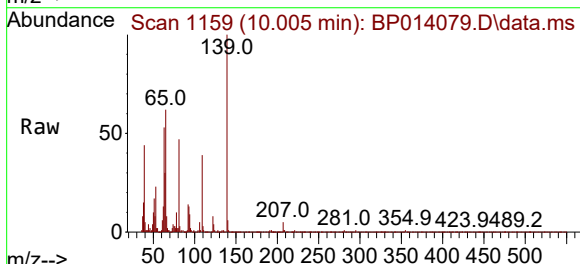
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

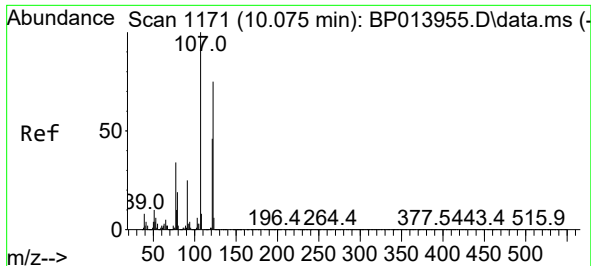
Tgt Ion: 82 Resp: 169837
Ion Ratio Lower Upper
82 100
95 8.3 6.9 10.3
138 15.5 13.3 19.9



#26
2-Nitrophenol
Concen: 5.652 ng
RT: 10.005 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 139 Resp: 35862
Ion Ratio Lower Upper
139 100
109 38.6 33.8 50.8
65 61.8 46.6 70.0

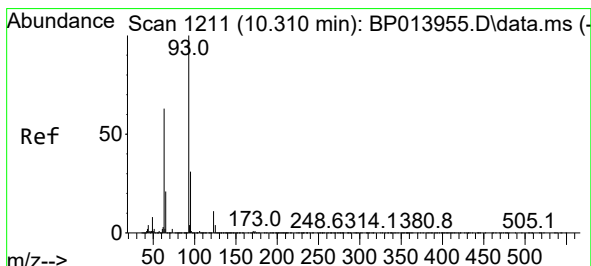
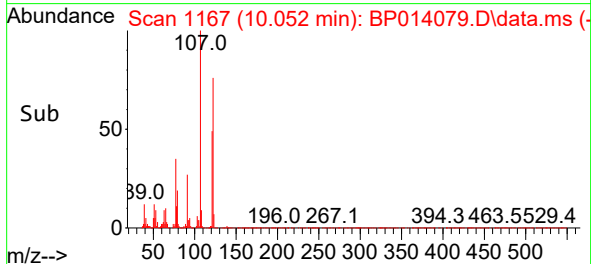
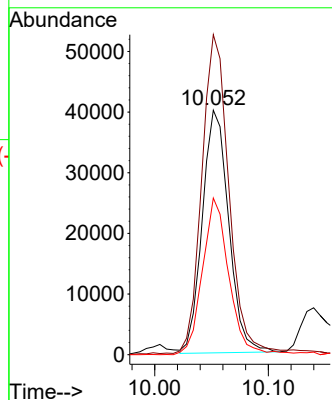
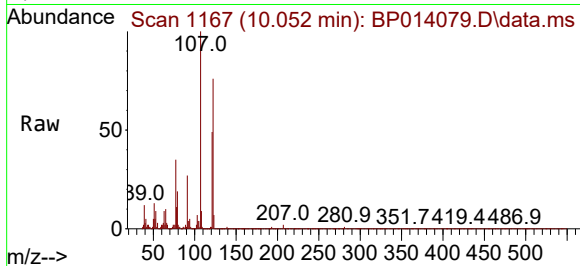




#27
2,4-Dimethylphenol
Concen: 6.260 ng
RT: 10.052 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

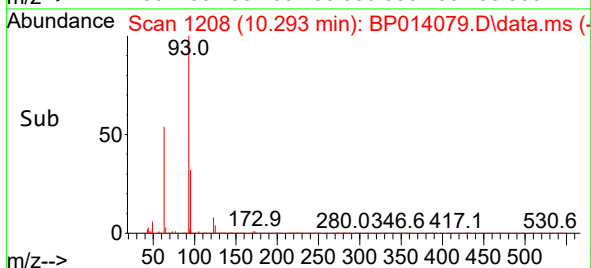
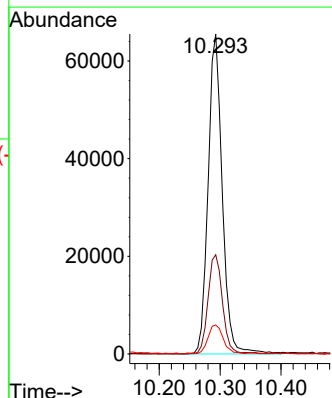
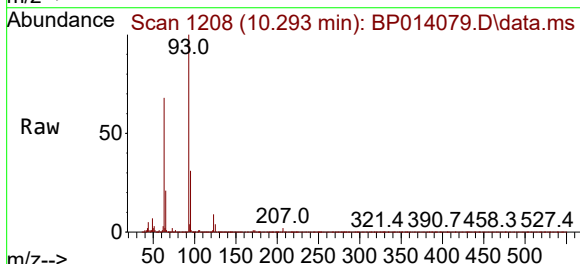
Instrument :
BNA_P
ClientSampleId :
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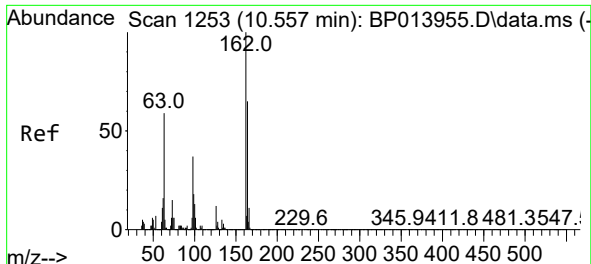
Tgt Ion:122 Resp: 64589
Ion Ratio Lower Upper
122 100
107 130.9 105.9 158.9
121 64.1 49.0 73.4



#28
bis(2-Chloroethoxy)methane
Concen: 6.957 ng
RT: 10.293 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 93 Resp: 105771
Ion Ratio Lower Upper
93 100
95 31.0 25.0 37.6
123 9.1 8.6 12.8

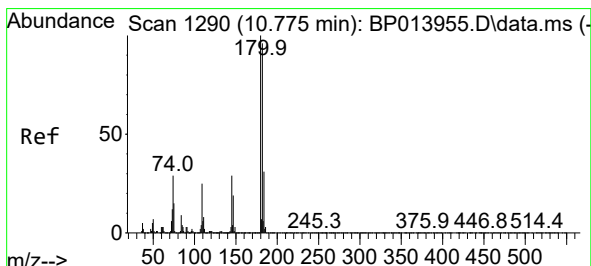
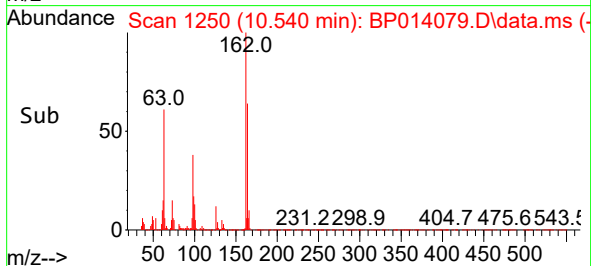
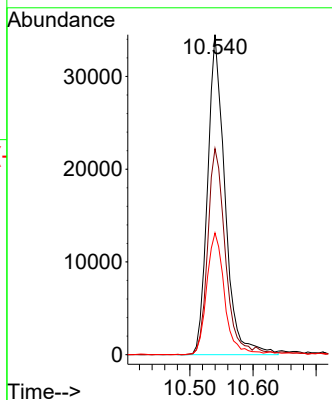
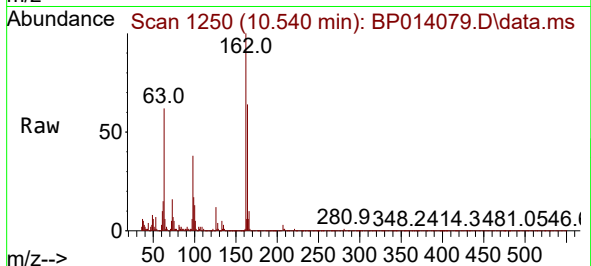




#29
2,4-Dichlorophenol
Concen: 5.847 ng
RT: 10.540 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

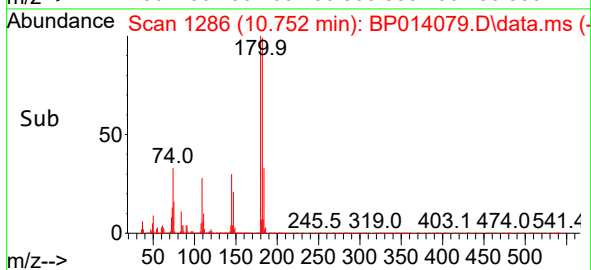
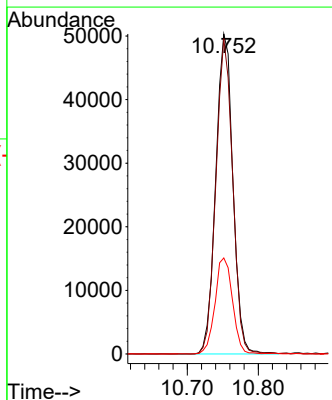
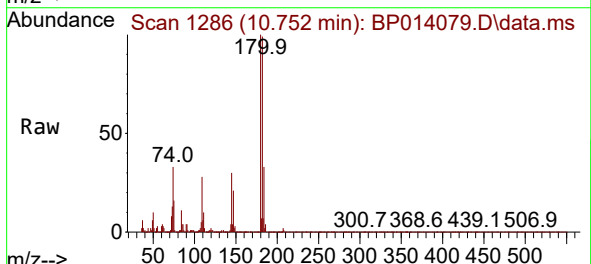
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

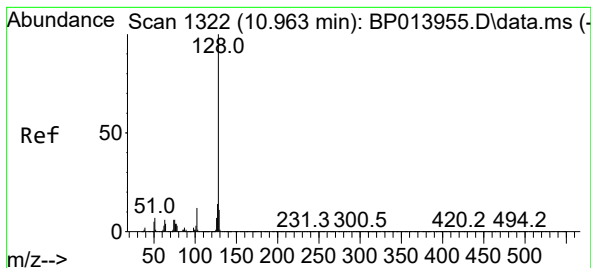
Tgt Ion:162 Resp: 66038
Ion Ratio Lower Upper
162 100
164 64.4 44.7 84.7
98 38.1 17.0 57.0



#30
1,2,4-Trichlorobenzene
Concen: 6.565 ng
RT: 10.752 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:180 Resp: 84169
Ion Ratio Lower Upper
180 100
182 98.5 76.6 114.8
145 30.0 23.5 35.3





#31

Naphthalene

Concen: 6.795 ng

RT: 10.940 min Scan# 1182

Delta R.T. -0.012 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

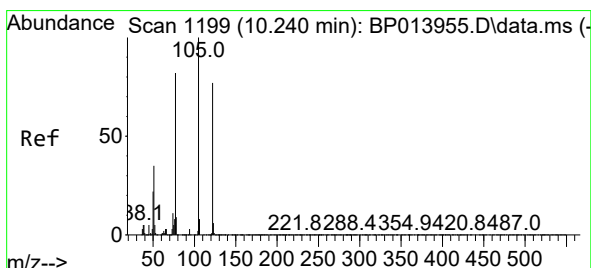
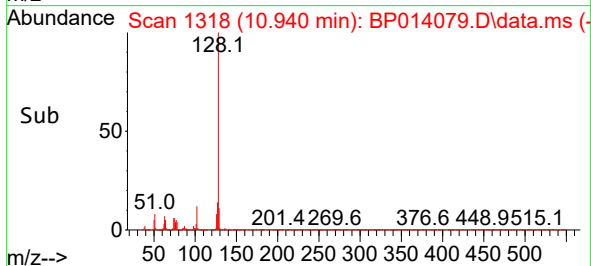
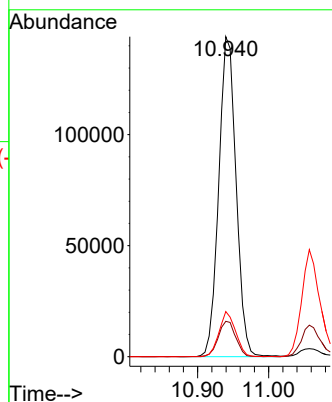
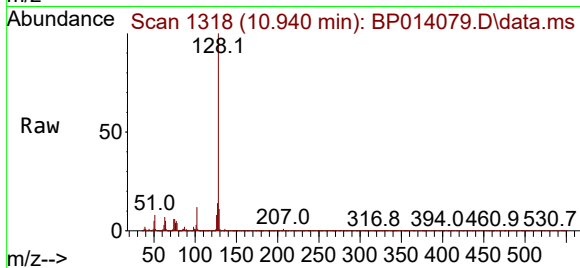
Tgt Ion:128 Resp: 243287

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 14.1 11.2 16.8



#32

Benzoic acid

Concen: 4.791 ng

RT: 10.140 min Scan# 1182

Delta R.T. -0.070 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

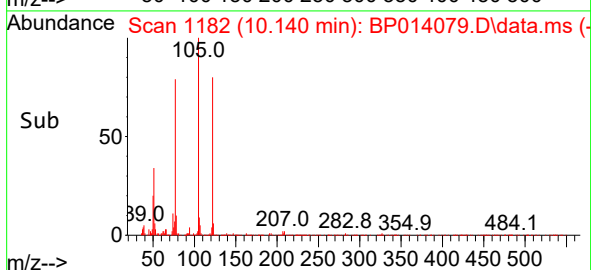
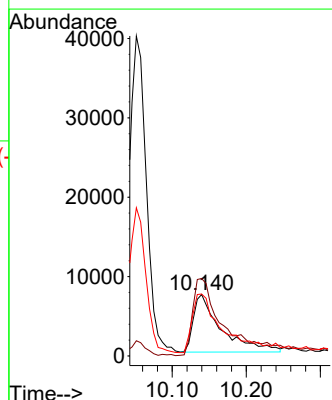
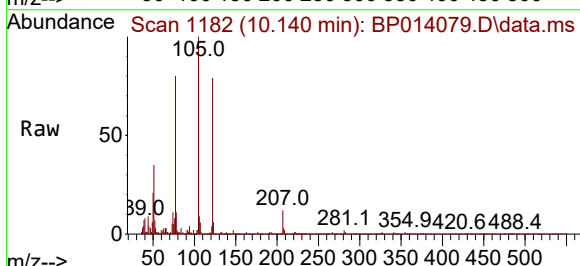
Tgt Ion:122 Resp: 18936

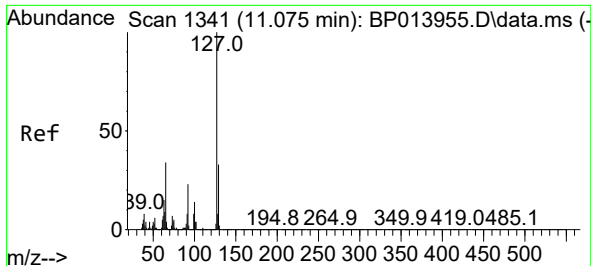
Ion Ratio Lower Upper

122 100

105 126.0 108.2 148.2

77 100.7 85.2 125.2

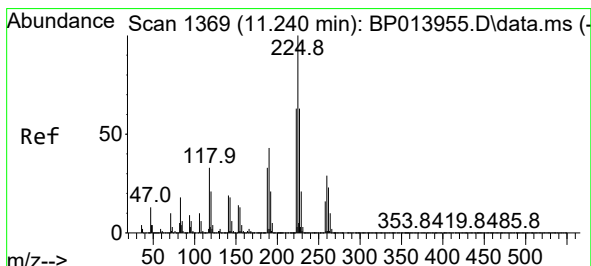
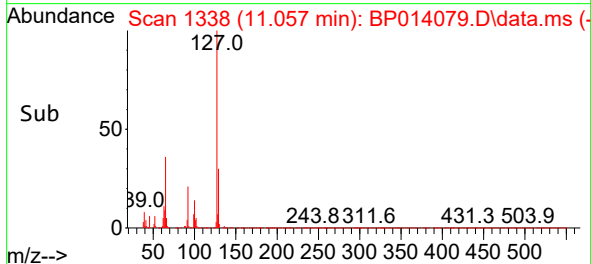
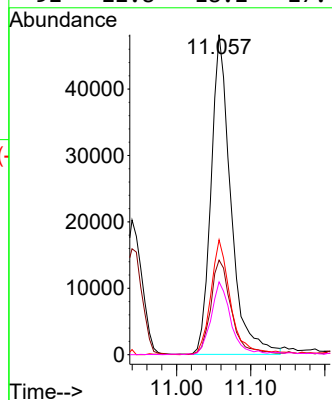
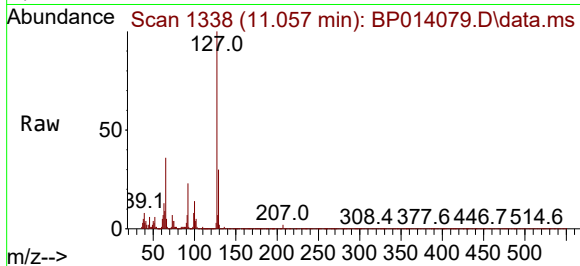




#33
4-Chloroaniline
Concen: 5.815 ng
RT: 11.057 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

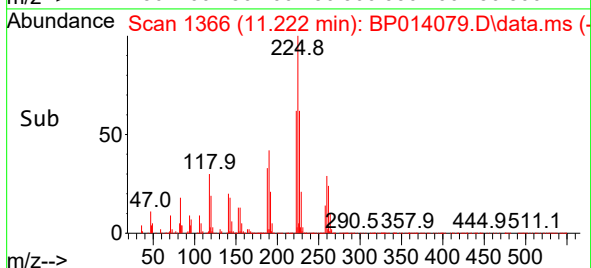
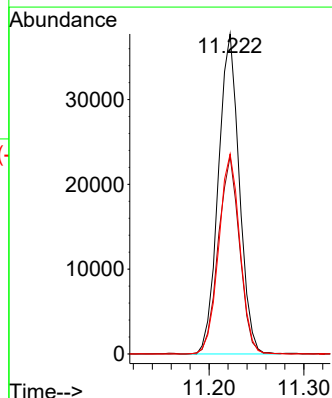
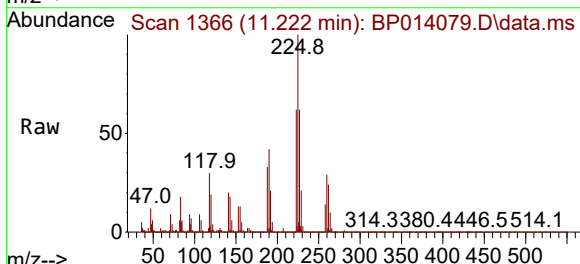
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

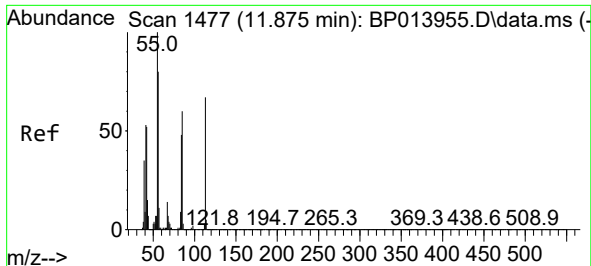
Tgt Ion:	127	Resp:	89254
Ion	Ratio	Lower	Upper
127	100		
129	29.5	26.2	39.2
65	35.9	27.0	40.4
92	22.8	18.2	27.4



#34
Hexachlorobutadiene
Concen: 6.214 ng
RT: 11.222 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:	225	Resp:	57931
Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.6	76.0
227	62.5	50.2	75.4

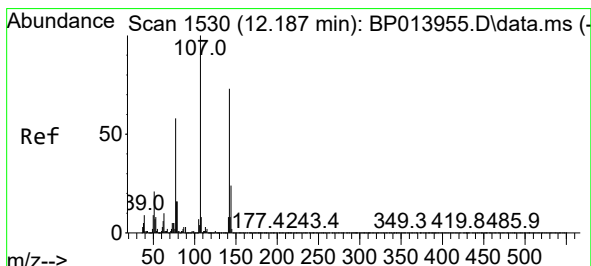
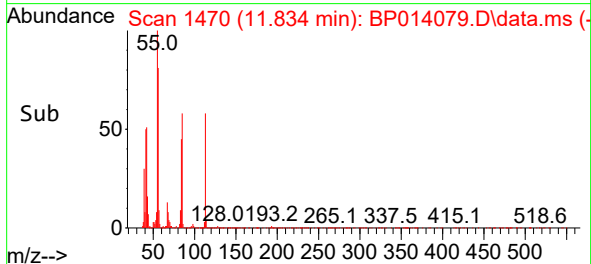
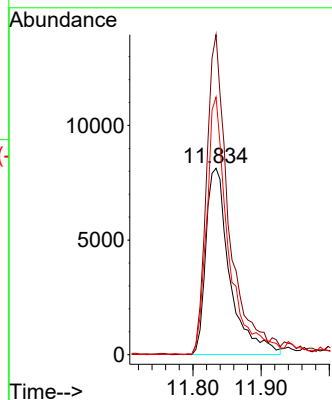
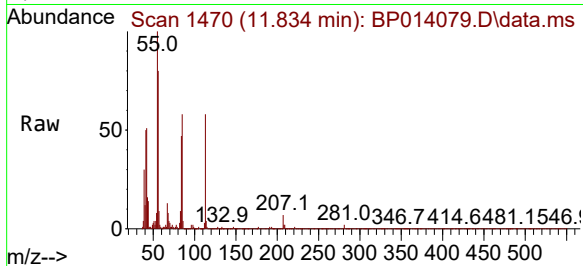




#35
Caprolactam
Concen: 6.122 ng
RT: 11.834 min Scan# 1477
Delta R.T. -0.023 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

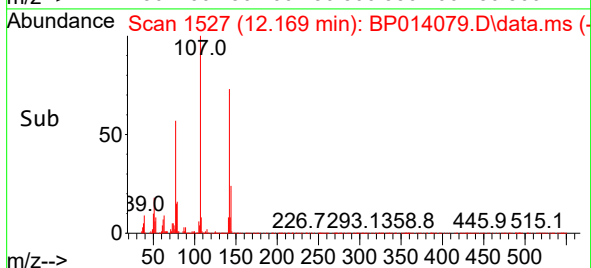
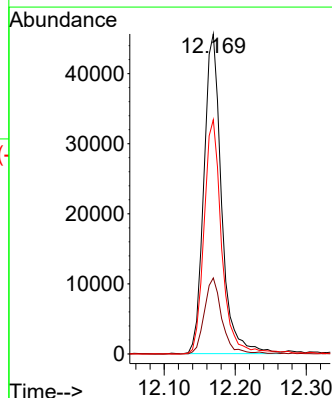
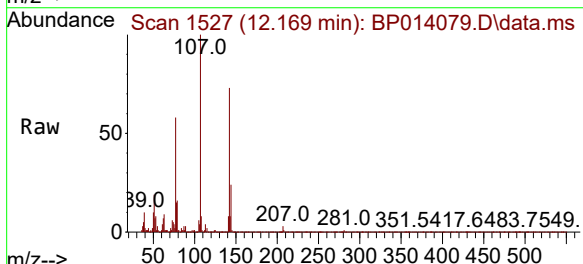
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

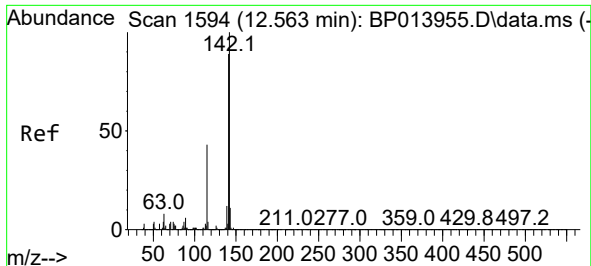
Tgt Ion:113 Resp: 19789
Ion Ratio Lower Upper
113 100
55 171.7 128.9 168.9#
56 138.2 99.6 139.6



#36
4-Chloro-3-methylphenol
Concen: 6.271 ng
RT: 12.169 min Scan# 1527
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:107 Resp: 78989
Ion Ratio Lower Upper
107 100
144 23.7 19.3 28.9
142 73.2 58.5 87.7

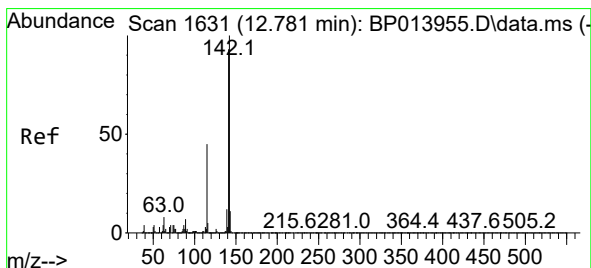
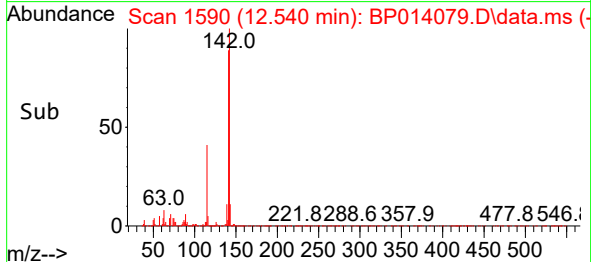
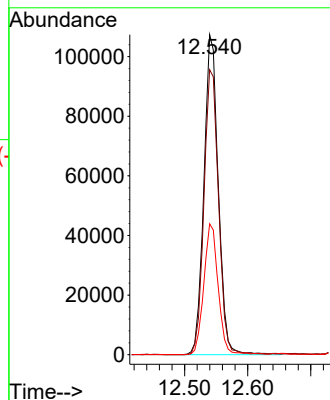
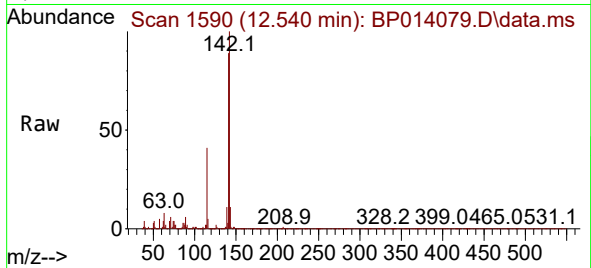




#37
2-Methylnaphthalene
Concen: 6.454 ng
RT: 12.540 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

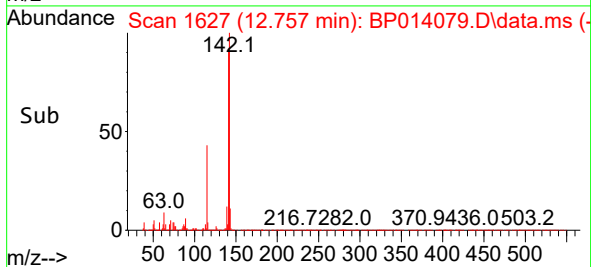
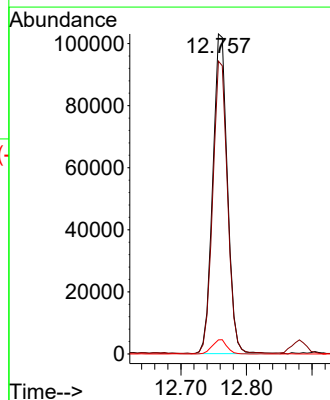
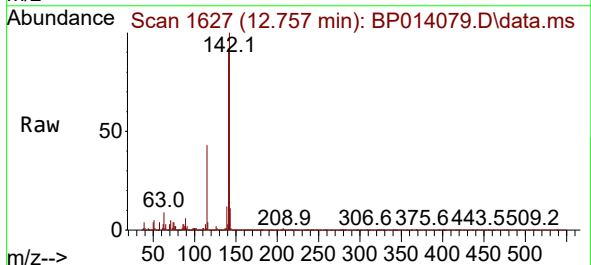
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

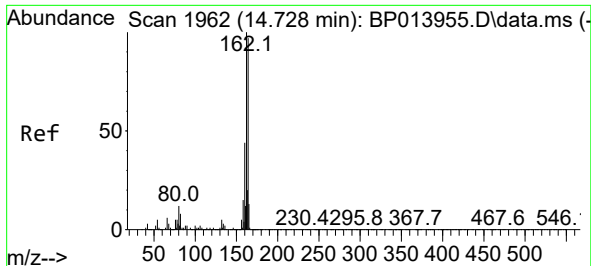
Tgt Ion:142 Resp: 170493
Ion Ratio Lower Upper
142 100
141 89.0 71.0 106.4
115 40.9 34.5 51.7



#38
1-Methylnaphthalene
Concen: 6.508 ng
RT: 12.757 min Scan# 1627
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:142 Resp: 160242
Ion Ratio Lower Upper
142 100
141 91.5 74.4 111.6
116 4.4 3.6 5.4

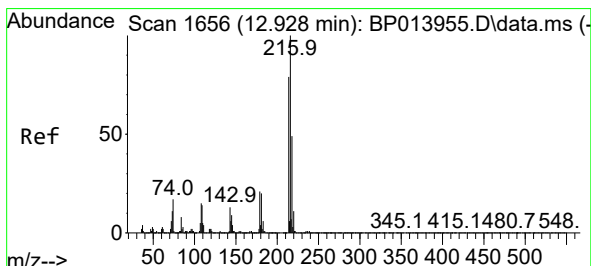
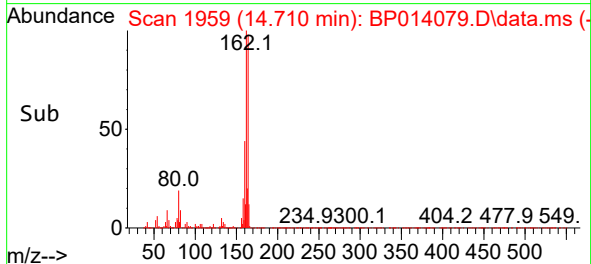
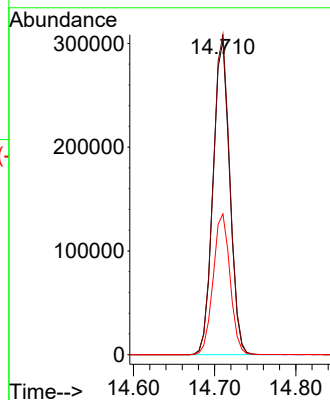
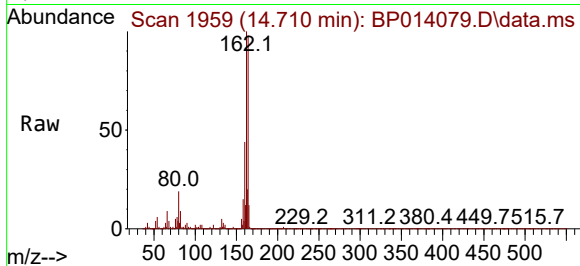




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

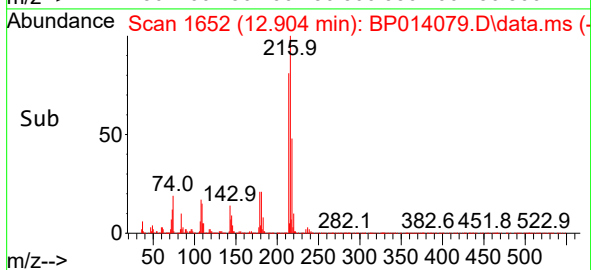
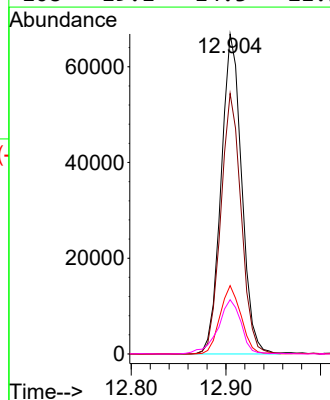
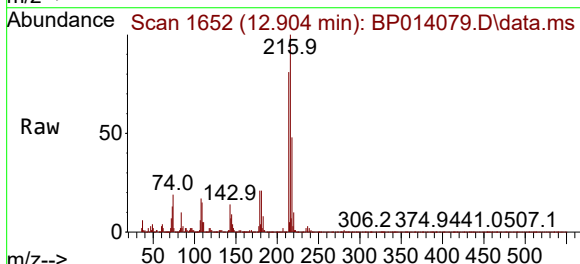
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

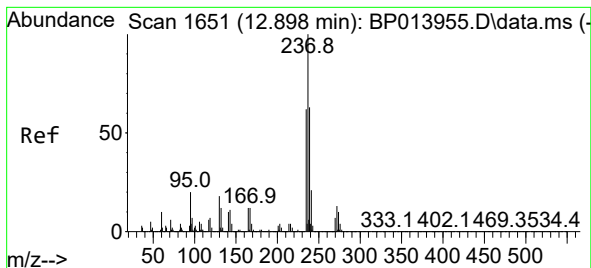
Tgt Ion:164 Resp: 432788
Ion Ratio Lower Upper
164 100
162 101.8 82.1 123.1
160 44.8 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.127 ng
RT: 12.904 min Scan# 1652
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:216 Resp: 101078
Ion Ratio Lower Upper
216 100
214 80.6 62.2 93.2
179 21.8 16.6 24.8
108 19.1 14.3 21.5

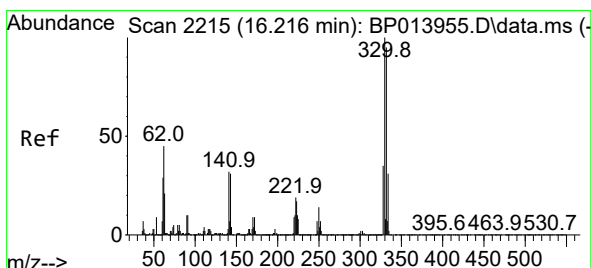
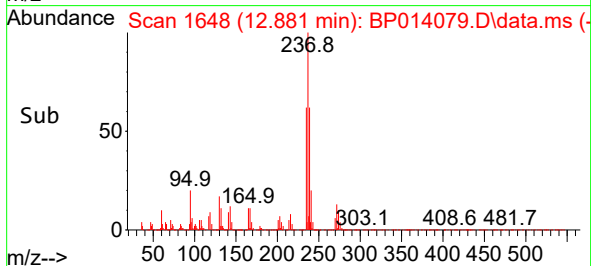
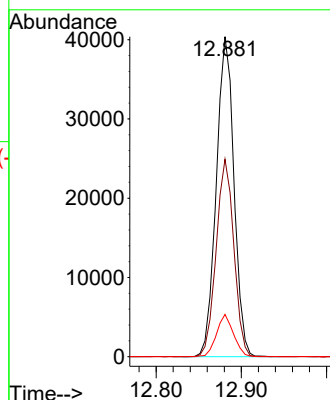
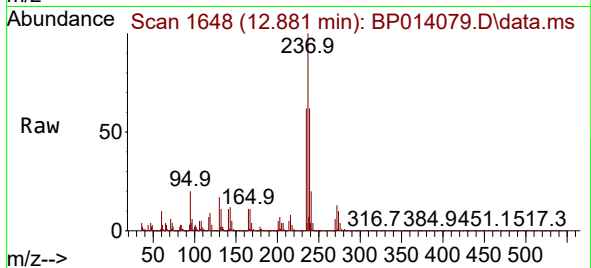




#41
Hexachlorocyclopentadiene
Concen: 5.620 ng
RT: 12.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

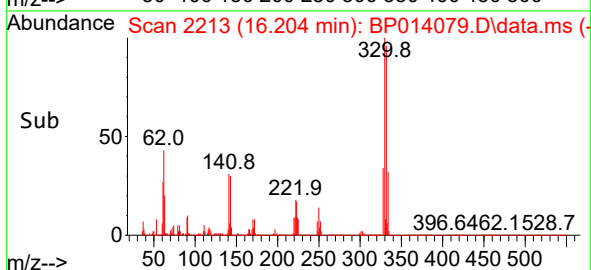
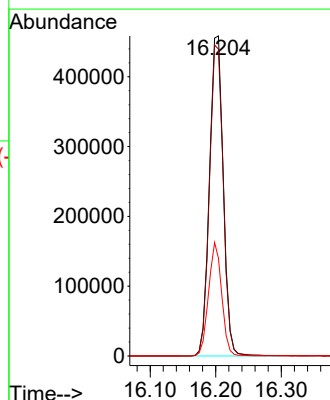
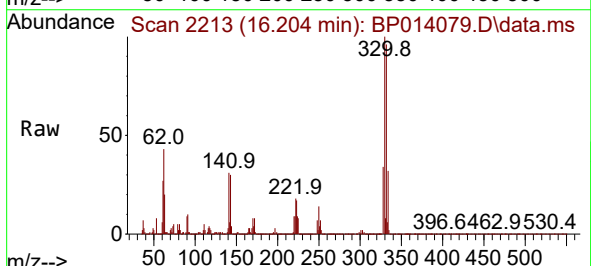
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

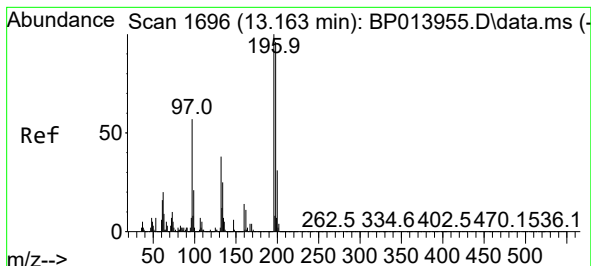
Tgt Ion:237 Resp: 58184
Ion Ratio Lower Upper
237 100
235 61.7 41.9 81.9
272 13.2 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 95.998 ng
RT: 16.204 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:330 Resp: 673621
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 33.7 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 5.715 ng

RT: 13.146 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

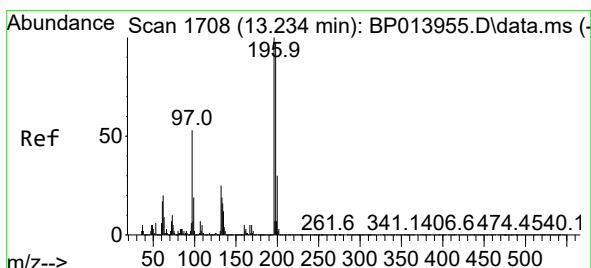
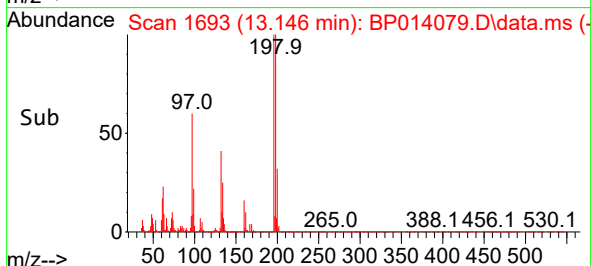
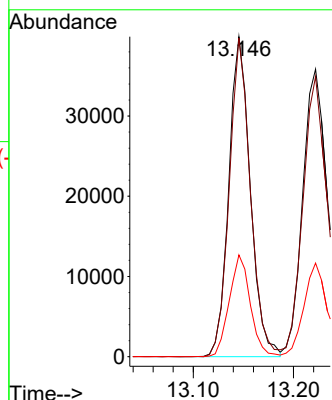
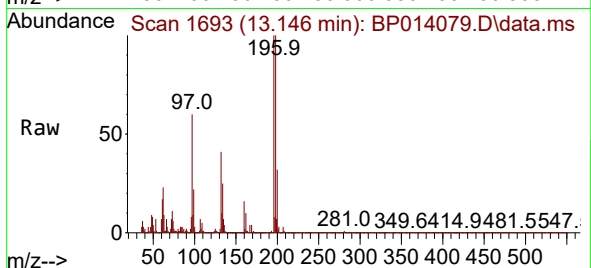
Tgt Ion:196 Resp: 59590

Ion Ratio Lower Upper

196 100

198 99.6 76.7 115.1

200 31.8 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 5.475 ng

RT: 13.222 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Tgt Ion:196 Resp: 66161

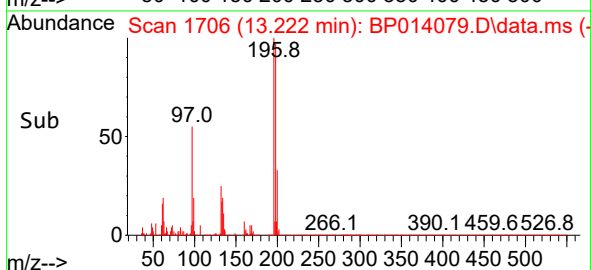
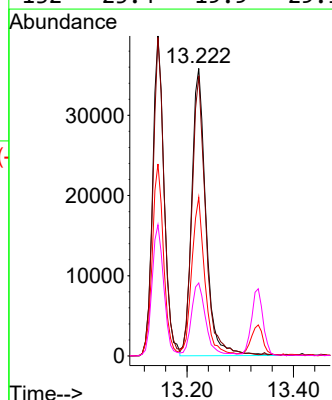
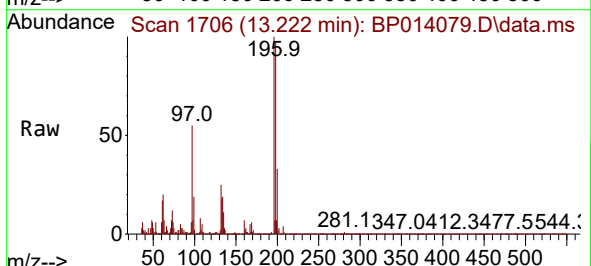
Ion Ratio Lower Upper

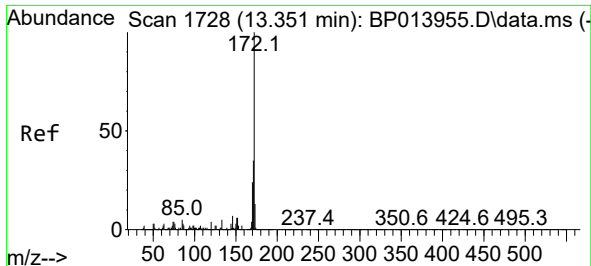
196 100

198 97.4 77.5 116.3

97 55.1 42.6 64.0

132 25.4 19.9 29.9

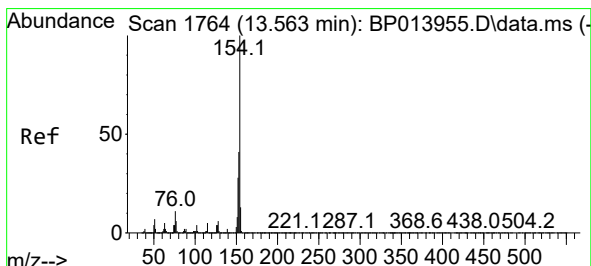
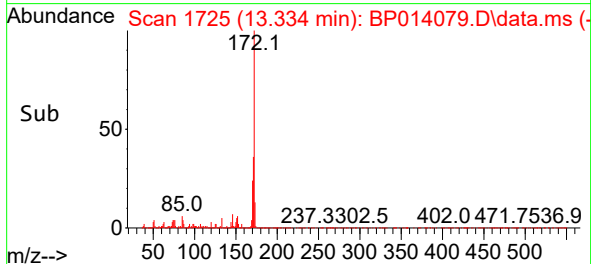
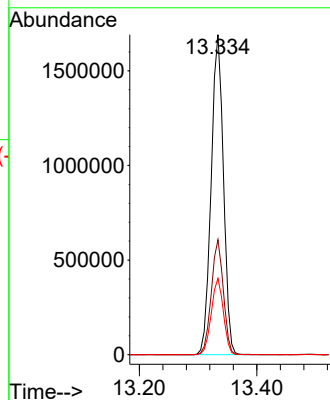
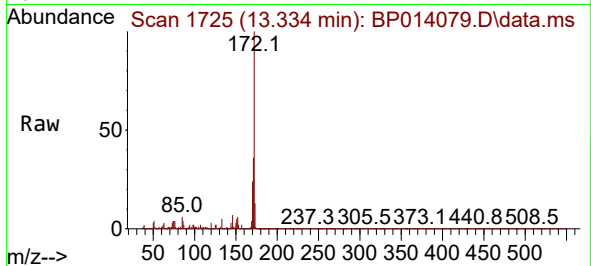




#45
2-Fluorobiphenyl
Concen: 73.404 ng
RT: 13.334 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

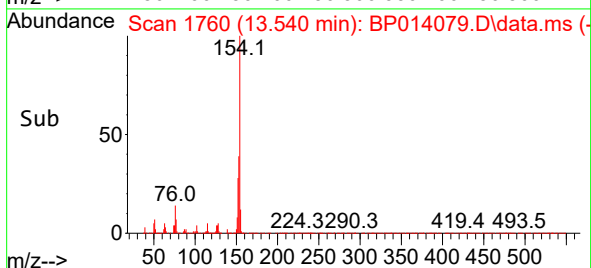
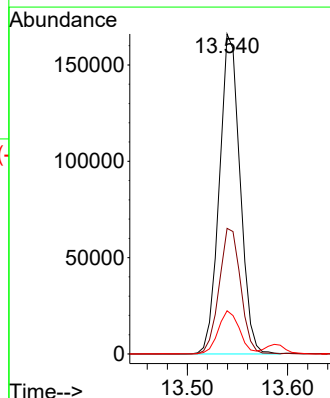
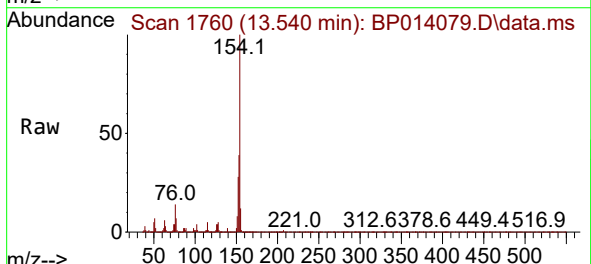
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

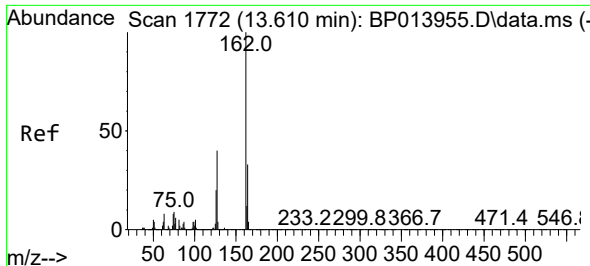
Tgt Ion:172 Resp: 2452056
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.8 19.0 28.4



#46
1,1'-Biphenyl
Concen: 6.834 ng
RT: 13.540 min Scan# 1760
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:154 Resp: 238061
Ion Ratio Lower Upper
154 100
153 39.3 21.0 61.0
76 13.5 0.0 31.0

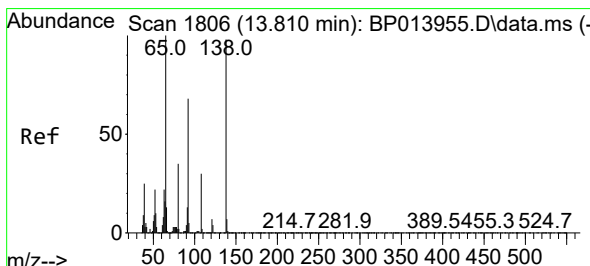
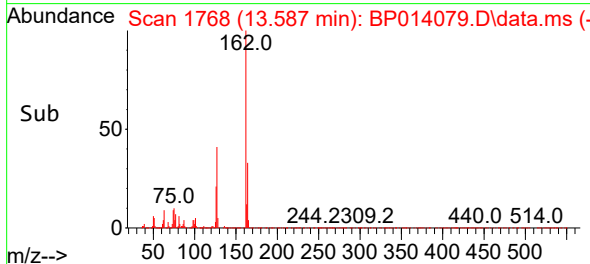
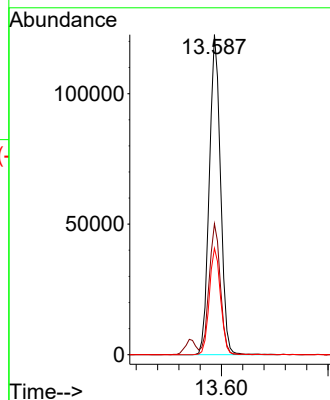
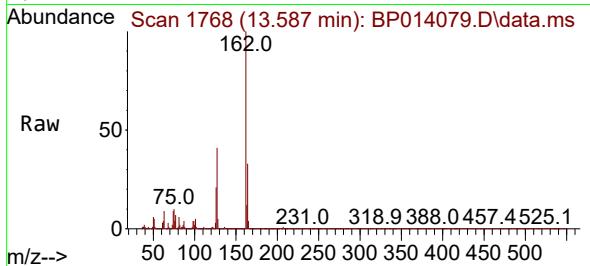




#47
2-Chloronaphthalene
Concen: 6.674 ng
RT: 13.587 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

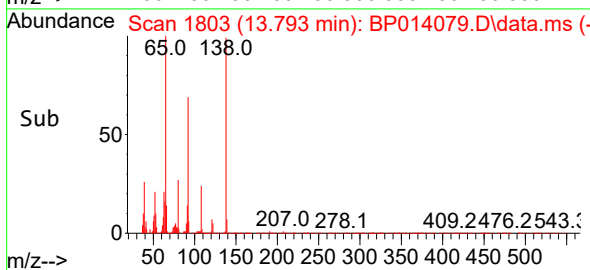
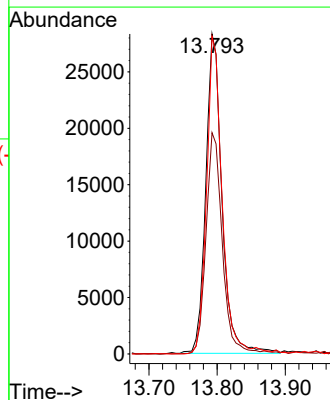
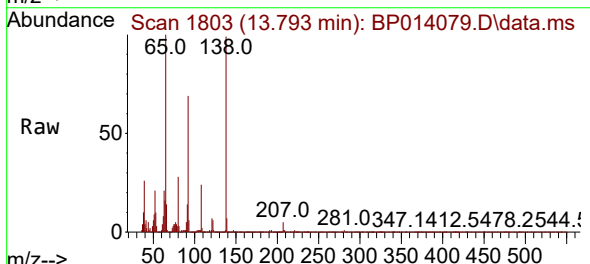
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

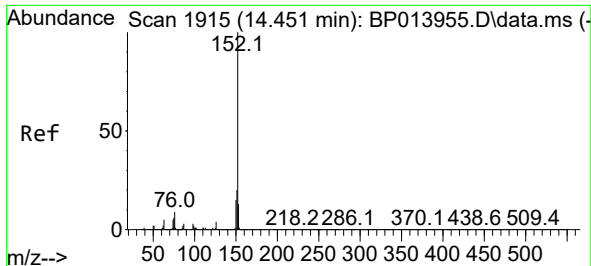
Tgt Ion: 162 Resp: 178981
Ion Ratio Lower Upper
162 100
127 40.9 32.5 48.7
164 33.3 26.3 39.5



#48
2-Nitroaniline
Concen: 5.738 ng
RT: 13.793 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion: 65 Resp: 46696
Ion Ratio Lower Upper
65 100
92 69.1 54.4 81.6
138 99.2 78.0 117.0

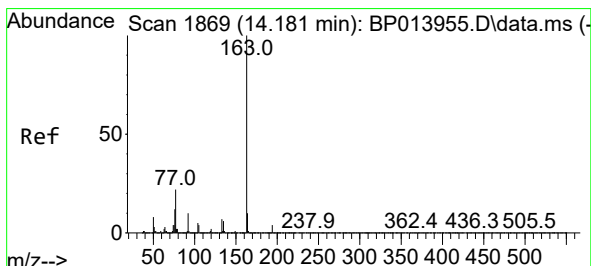
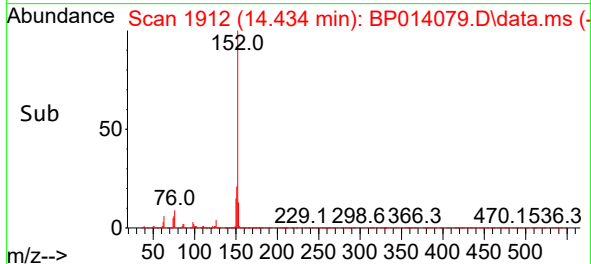
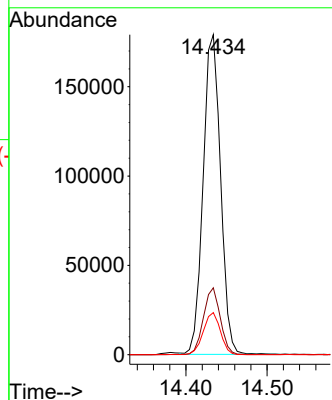
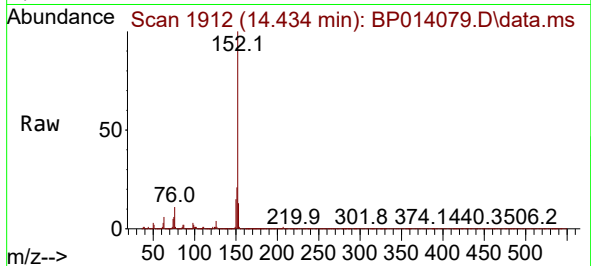




#49
Acenaphthylene
Concen: 6.247 ng
RT: 14.434 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

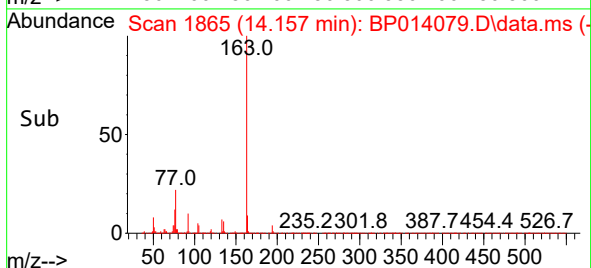
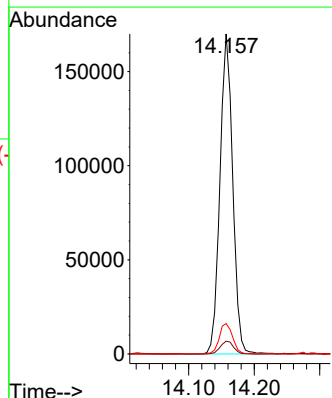
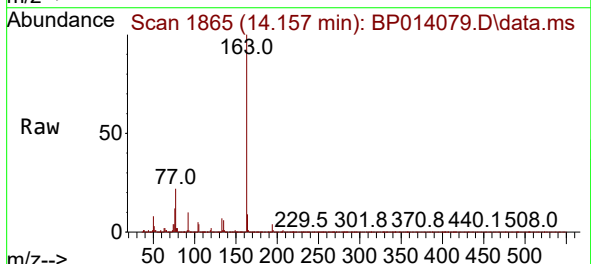
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

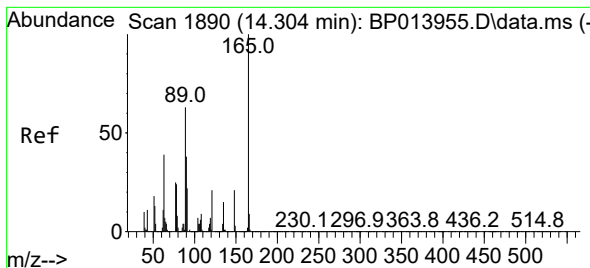
Tgt Ion:152 Resp: 266429
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 13.2 10.4 15.6



#50
Dimethylphthalate
Concen: 6.398 ng
RT: 14.157 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:163 Resp: 228429
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 9.5 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 5.900 ng

RT: 14.281 min Scan# 1890

Delta R.T. -0.012 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

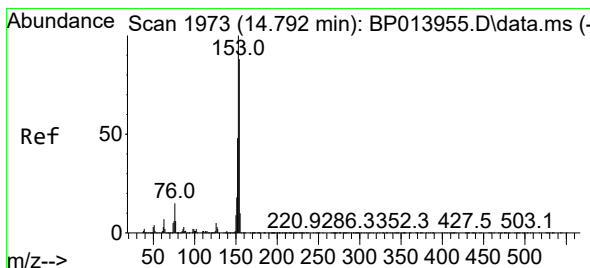
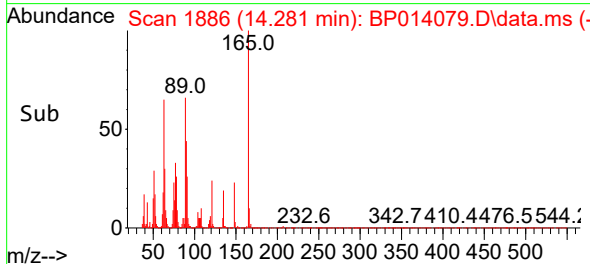
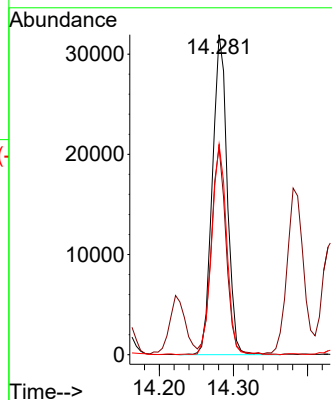
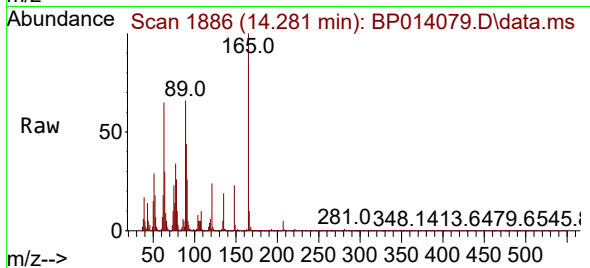
Tgt Ion:165 Resp: 44361

Ion Ratio Lower Upper

165 100

63 64.9 46.7 70.1

89 65.7 50.8 76.2



#52

Acenaphthene

Concen: 6.581 ng

RT: 14.775 min Scan# 1970

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

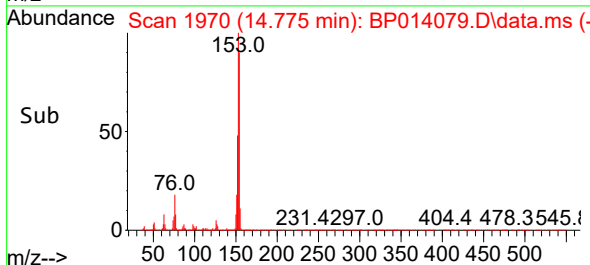
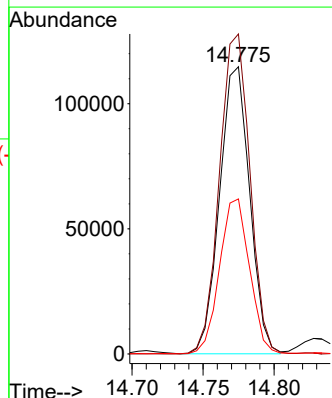
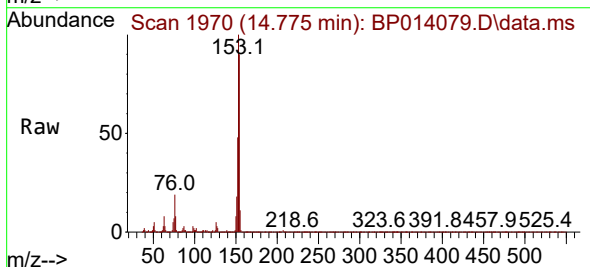
Tgt Ion:154 Resp: 168961

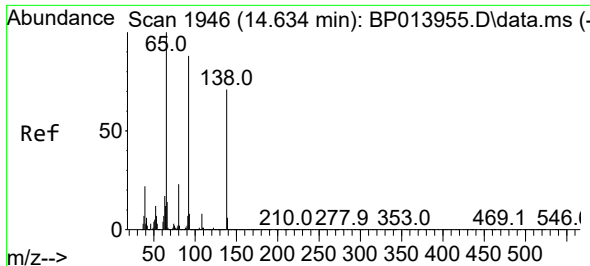
Ion Ratio Lower Upper

154 100

153 111.4 91.3 136.9

152 54.0 43.4 65.0

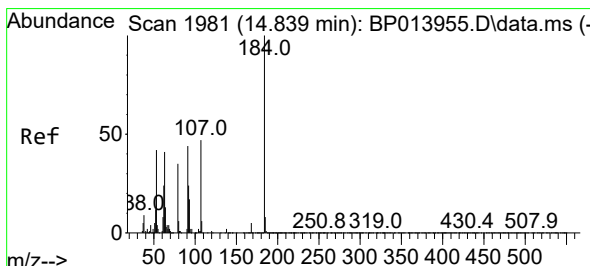
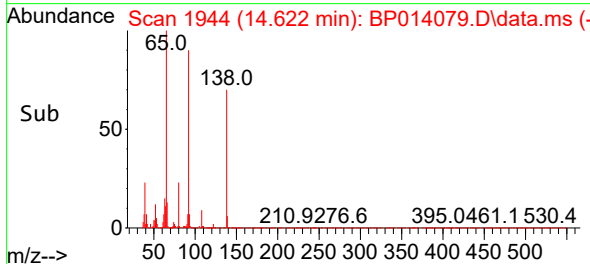
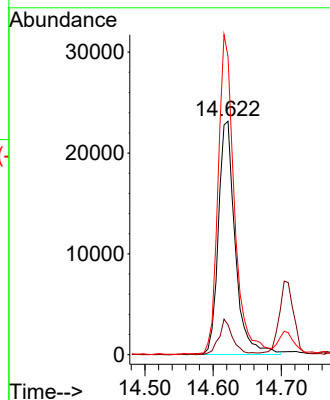
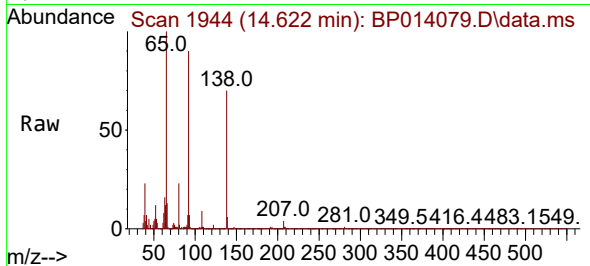




#53
3-Nitroaniline
Concen: 5.396 ng
RT: 14.622 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

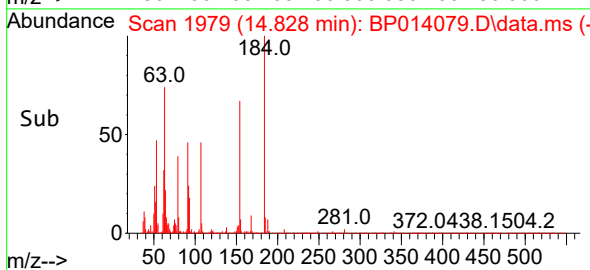
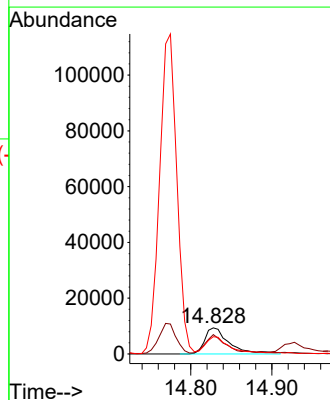
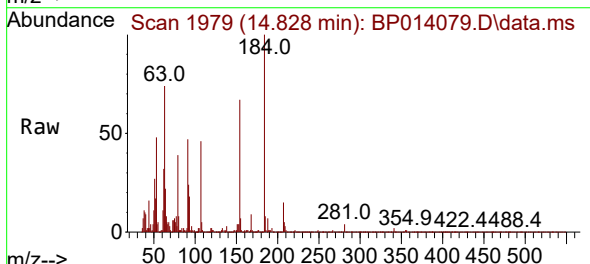
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

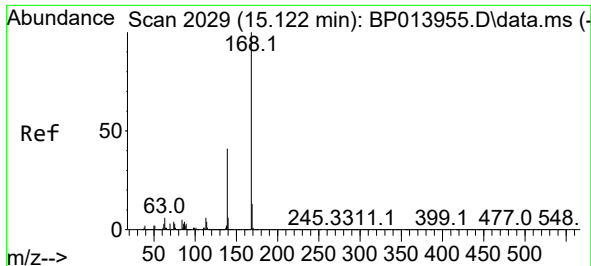
Tgt Ion:138 Resp: 39759
Ion Ratio Lower Upper
138 100
108 12.8 9.5 14.3
92 127.5 99.2 148.8



#54
2,4-Dinitrophenol
Concen: 6.427 ng
RT: 14.828 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:184 Resp: 19413
Ion Ratio Lower Upper
184 100
63 74.3 52.4 78.6
154 66.6 59.4 89.2

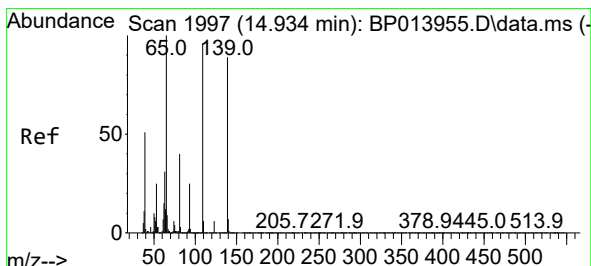
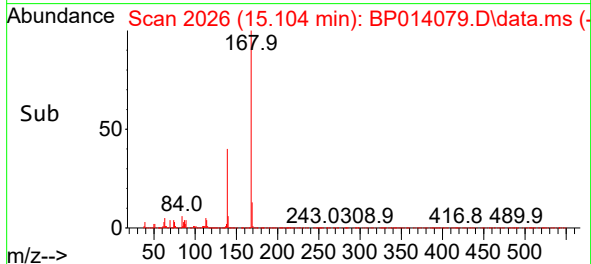
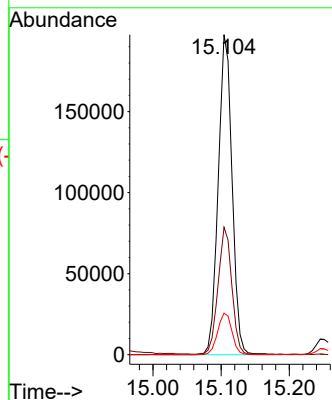
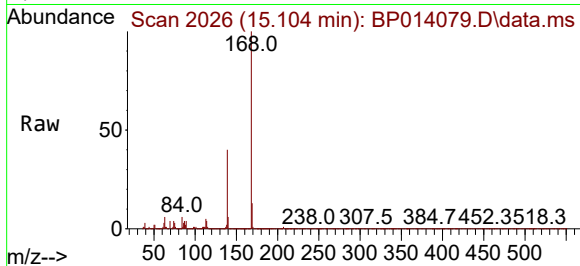




#55
Dibenzofuran
Concen: 6.651 ng
RT: 15.104 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

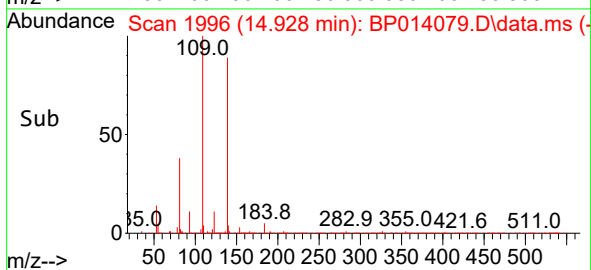
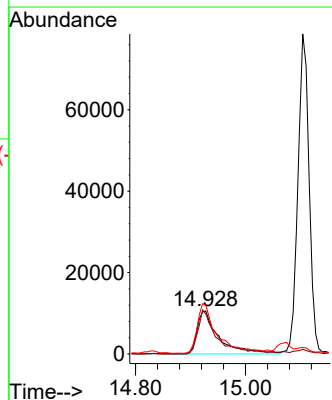
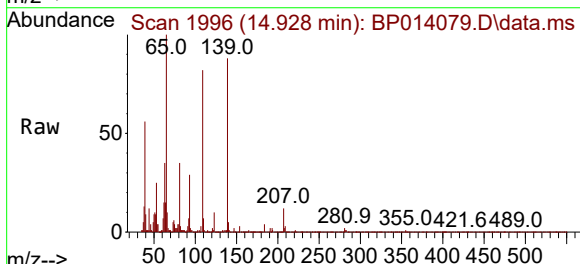
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

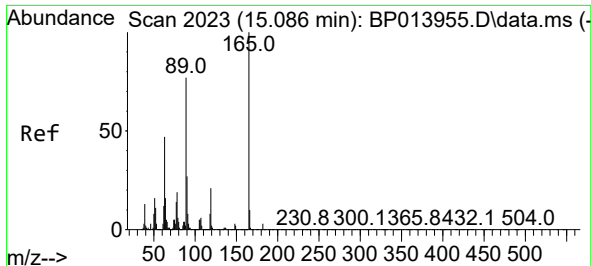
Tgt Ion:168 Resp: 278363
Ion Ratio Lower Upper
168 100
139 39.8 32.9 49.3
169 13.0 10.6 15.8



#56
4-Nitrophenol
Concen: 4.811 ng
RT: 14.928 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:139 Resp: 28868
Ion Ratio Lower Upper
139 100
109 93.1 87.0 127.0
65 113.1 92.1 132.1

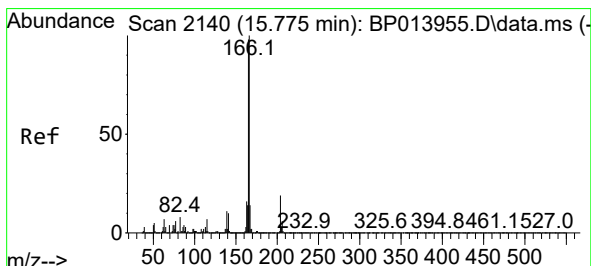
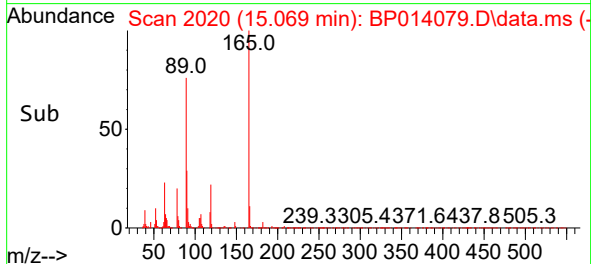
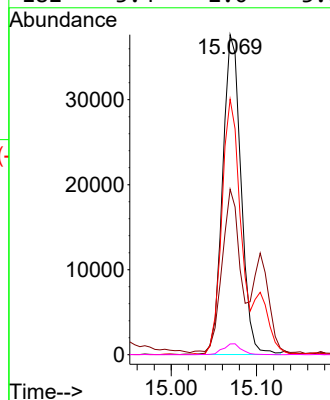
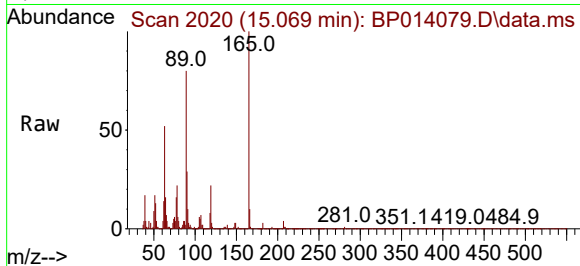




#57
2,4-Dinitrotoluene
Concen: 5.626 ng
RT: 15.069 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

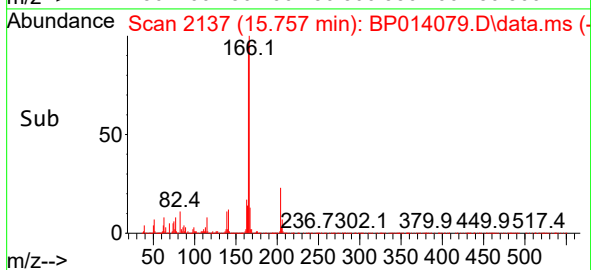
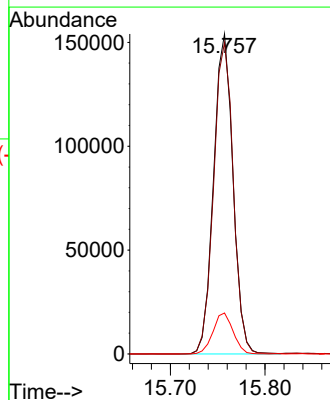
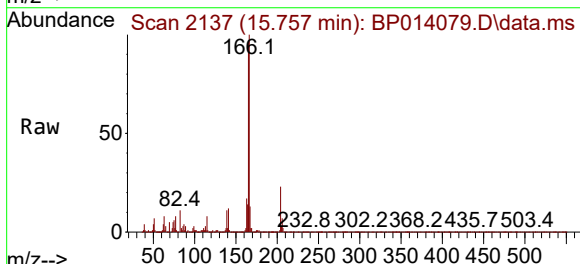
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

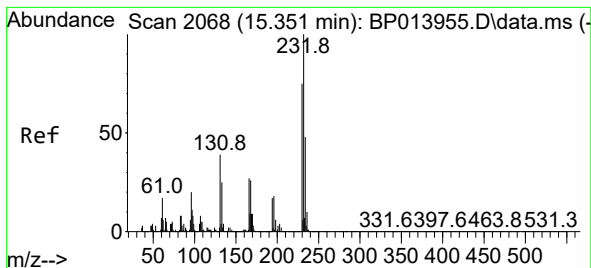
Tgt Ion:	165	Resp:	56548
Ion Ratio	Lower	Upper	
165	100		
63	51.7	37.5	56.3
89	79.8	61.8	92.8
182	3.4	2.0	3.0



#58
Fluorene
Concen: 6.586 ng
RT: 15.757 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:	166	Resp:	218872
Ion Ratio	Lower	Upper	
166	100		
165	97.3	78.1	117.1
167	12.8	10.8	16.2

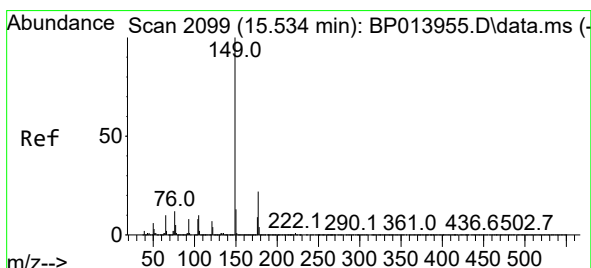
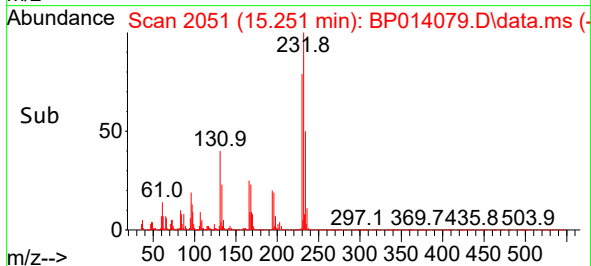
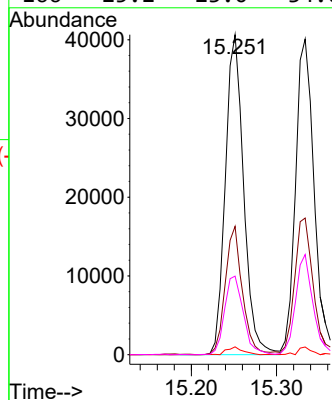
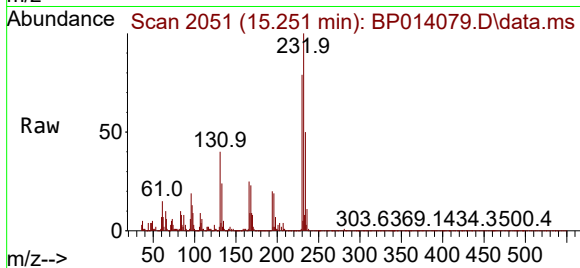




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.762 ng
RT: 15.251 min Scan# 2051
Delta R.T. -0.088 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

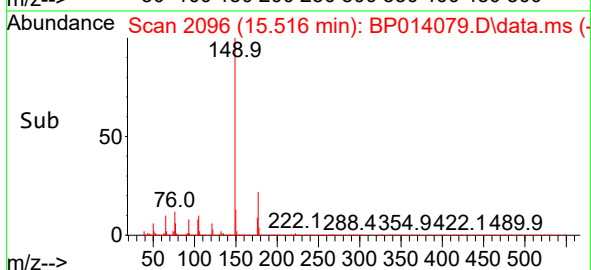
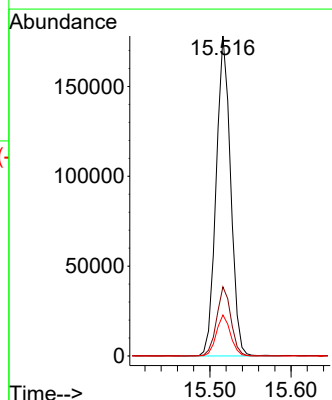
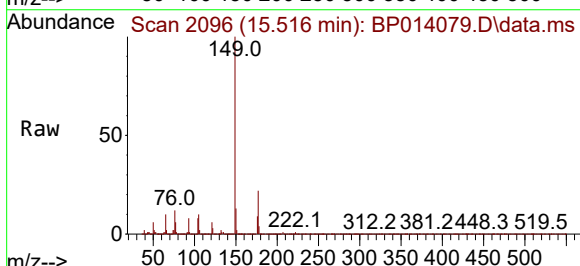
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

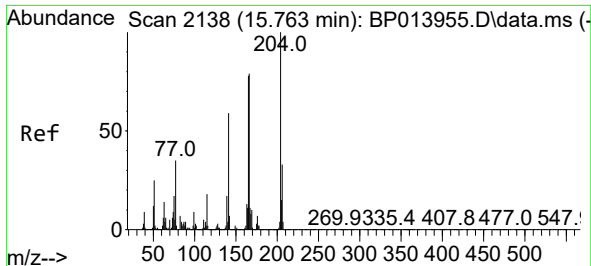
Tgt Ion:	232	Resp:	60736
Ion Ratio	Lower	Upper	
232	100		
131	37.2	32.5	48.7
130	2.2	1.9	2.9
166	25.2	23.0	34.6



#60
Diethylphthalate
Concen: 6.246 ng
RT: 15.516 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:	149	Resp:	220198
Ion Ratio	Lower	Upper	
149	100		
177	21.6	18.0	27.0
150	12.8	10.3	15.5

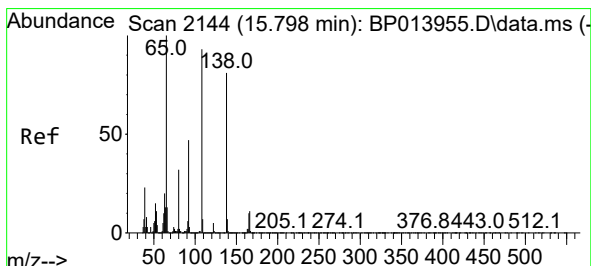
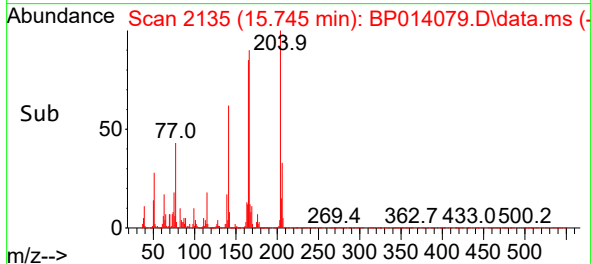
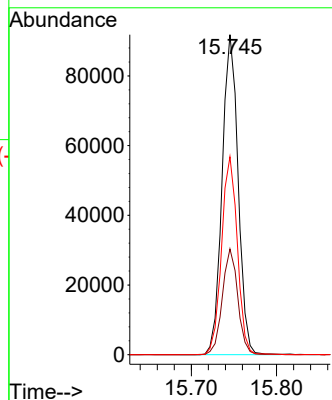
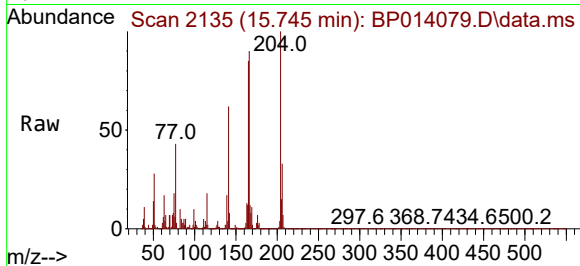




#61
4-Chlorophenyl-phenylether
Concen: 6.362 ng
RT: 15.745 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

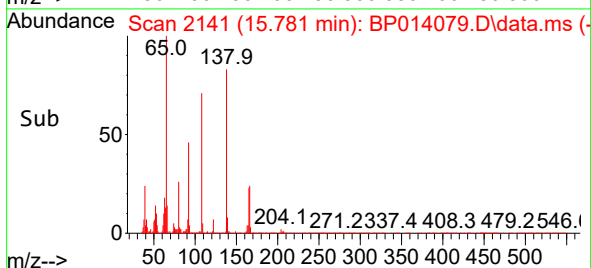
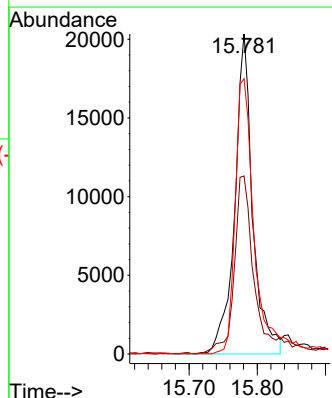
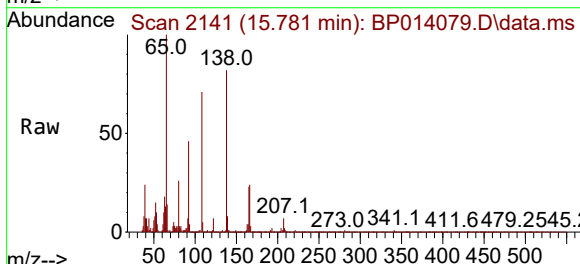
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

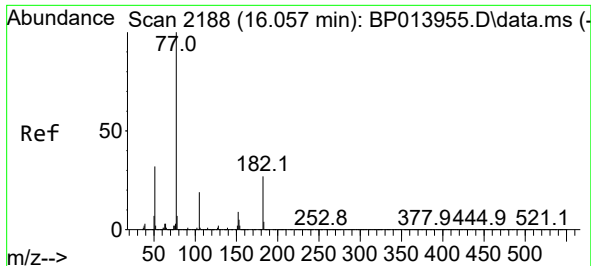
Tgt Ion:204 Resp: 119850
Ion Ratio Lower Upper
204 100
206 33.1 26.2 39.4
141 61.8 46.9 70.3



#62
4-Nitroaniline
Concen: 5.084 ng
RT: 15.781 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:138 Resp: 37304
Ion Ratio Lower Upper
138 100
92 55.7 37.9 77.9
108 86.0 94.9 134.9#

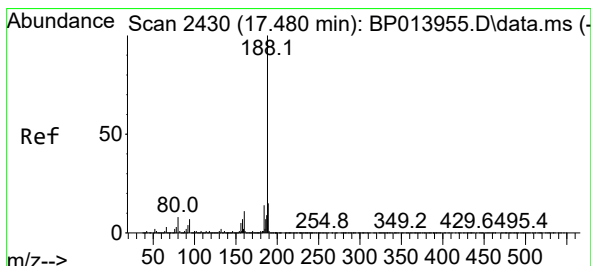
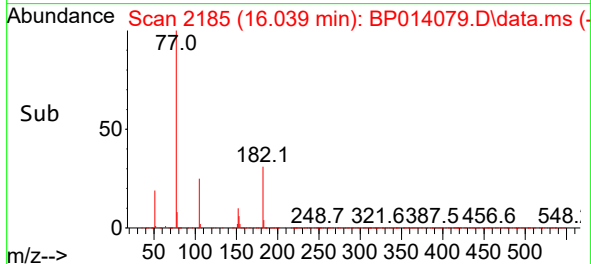
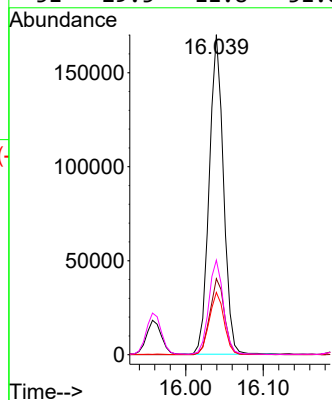
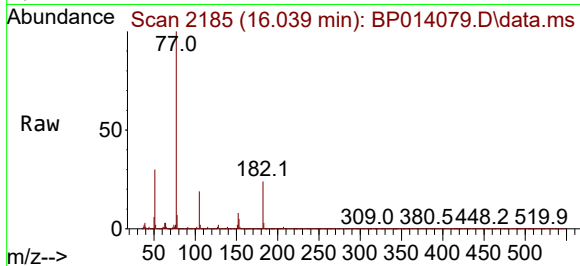




#63
Azobenzene
Concen: 6.642 ng
RT: 16.039 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

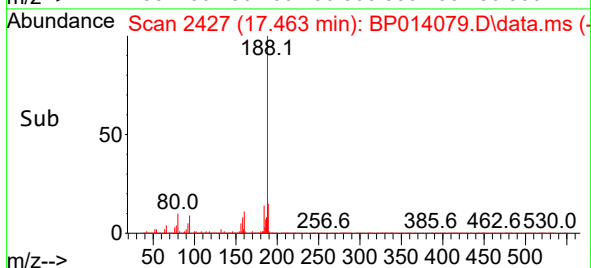
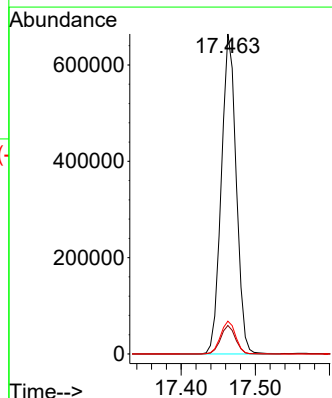
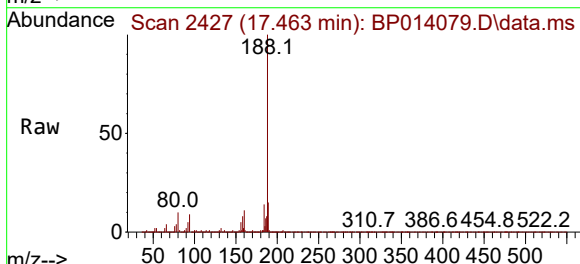
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

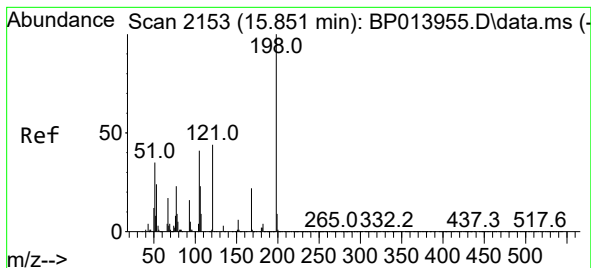
Tgt Ion: 77	Resp: 216677
Ion Ratio	Lower Upper
77 100	
182 23.8	6.9 46.9
105 19.5	0.0 39.4
51 29.5	11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:188	Resp: 928668
Ion Ratio	Lower Upper
188 100	
94 8.9	5.8 8.6#
80 10.3	6.6 9.8#

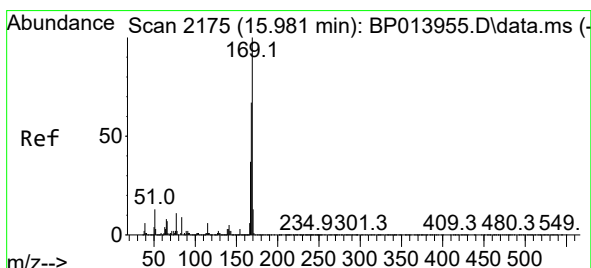
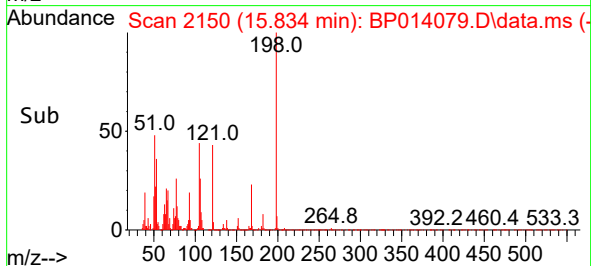
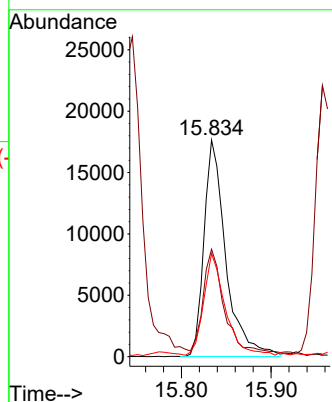
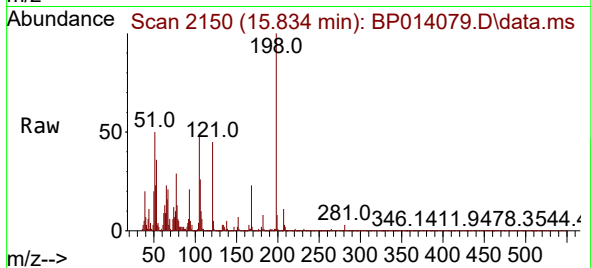




#65
4,6-Dinitro-2-methylphenol
Concen: 4.336 ng
RT: 15.834 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

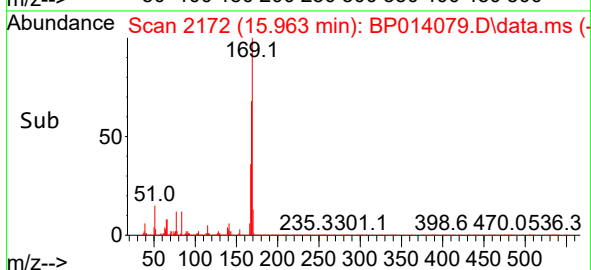
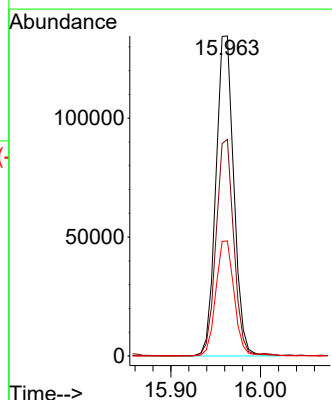
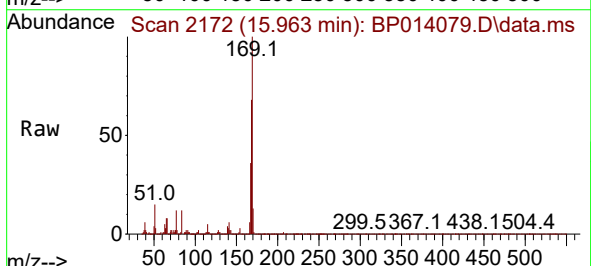
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

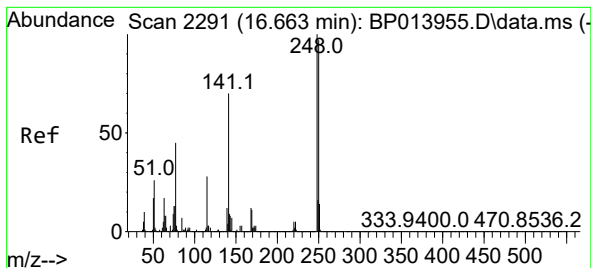
Tgt Ion:198 Resp: 29829
Ion Ratio Lower Upper
198 100
51 49.6 22.1 62.1
105 47.7 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 6.374 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:169 Resp: 187043
Ion Ratio Lower Upper
169 100
168 67.7 54.0 81.0
167 36.0 29.4 44.2

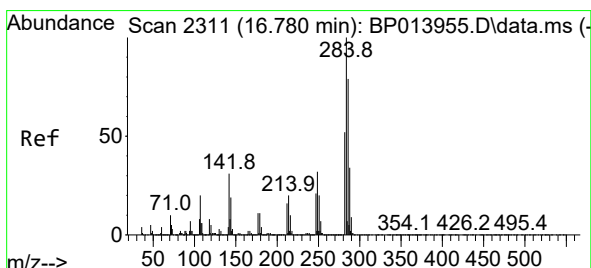
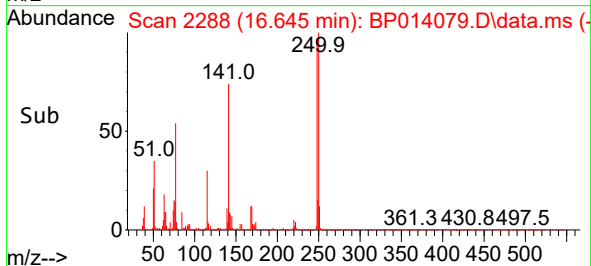
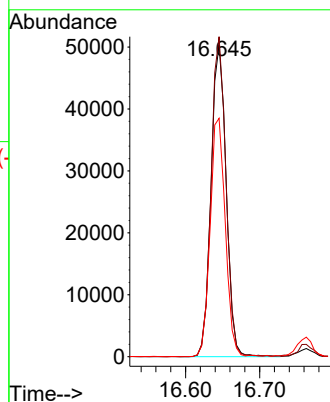
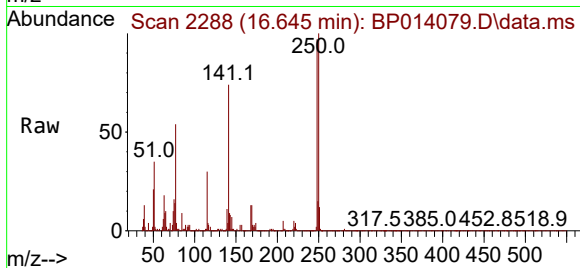




#67
4-Bromophenyl-phenylether
Concen: 5.795 ng
RT: 16.645 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

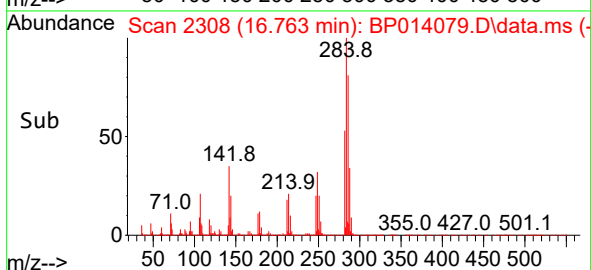
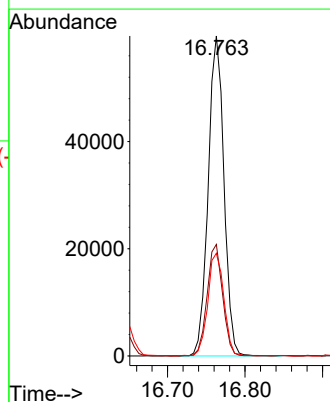
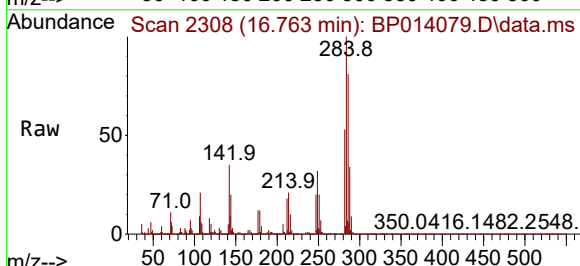
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

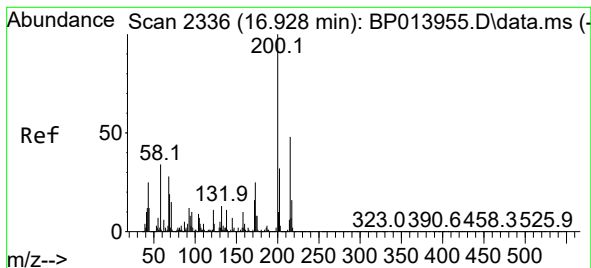
Tgt Ion:	248	Resp:	71180
Ion Ratio	Lower	Upper	
248	100		
250	102.6	77.9	116.9
141	76.5	56.0	84.0



#68
Hexachlorobenzene
Concen: 6.388 ng
RT: 16.763 min Scan# 2308
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:	284	Resp:	84111
Ion Ratio	Lower	Upper	
284	100		
142	34.8	24.8	37.2
249	32.1	25.7	38.5





#69

Atrazine

Concen: 6.597 ng

RT: 16.910 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

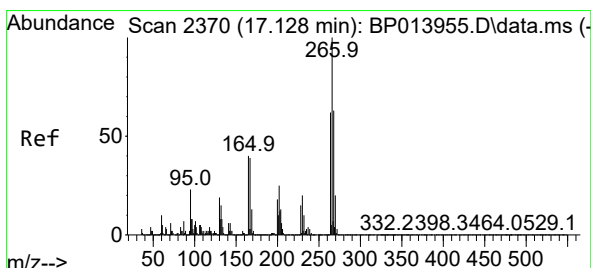
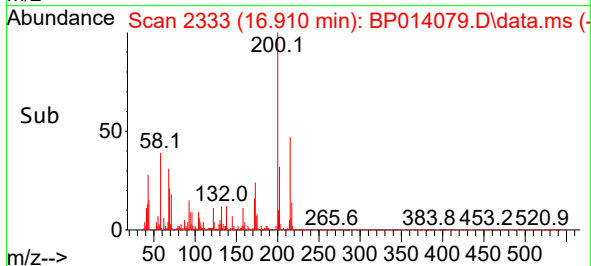
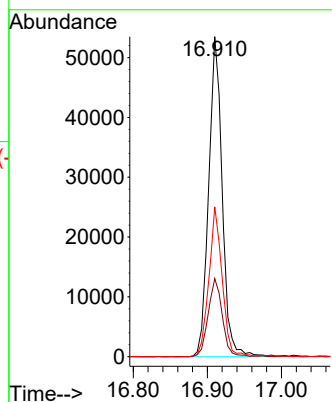
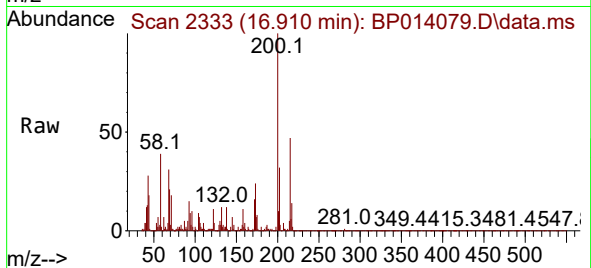
Tgt Ion:200 Resp: 67971

Ion Ratio Lower Upper

200 100

173 24.4 5.5 45.5

215 46.8 27.9 67.9



#70

Pentachlorophenol

Concen: 4.256 ng

RT: 17.116 min Scan# 2368

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

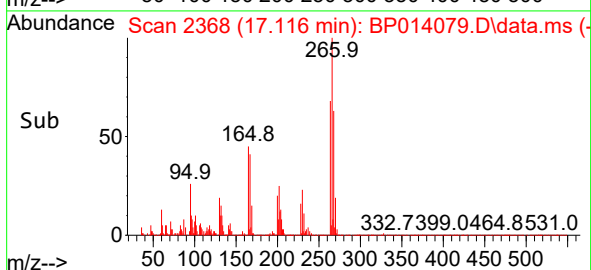
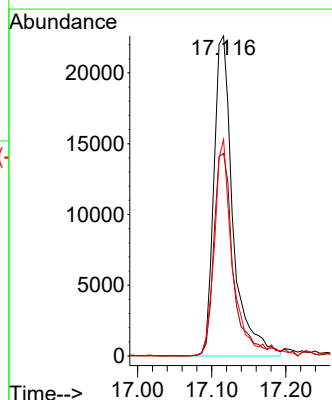
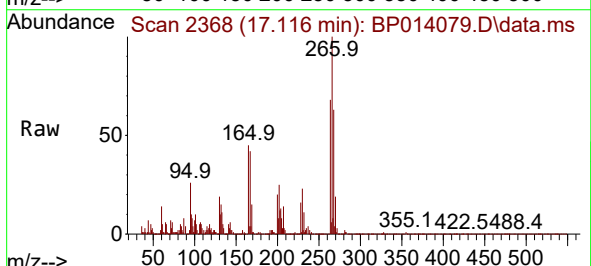
Tgt Ion:266 Resp: 40415

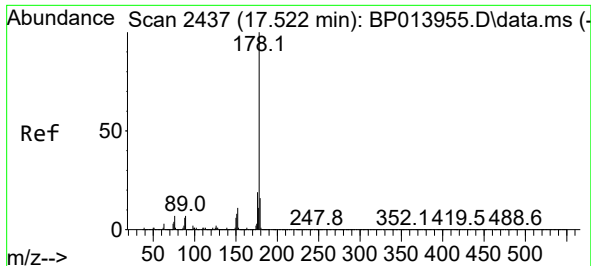
Ion Ratio Lower Upper

266 100

268 63.3 50.4 75.6

264 67.6 49.2 73.8

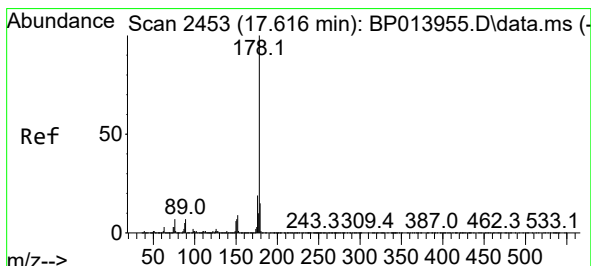
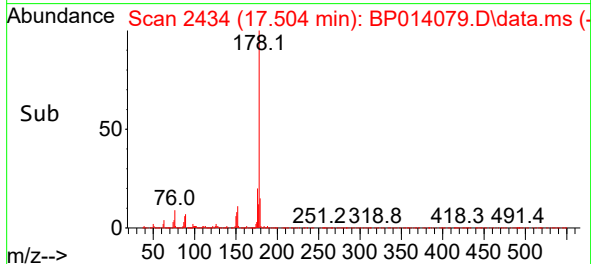
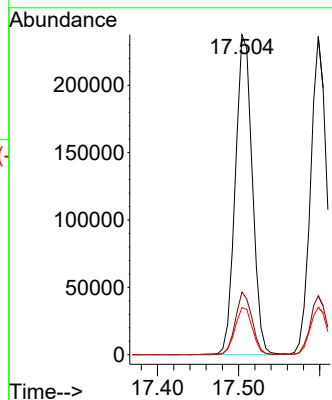
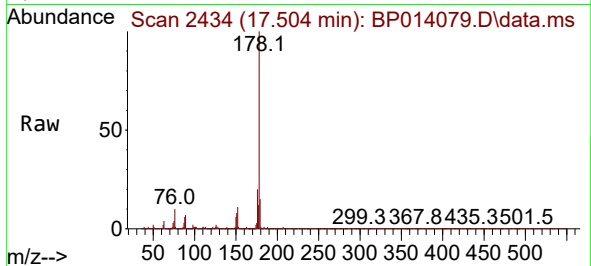




#71
Phenanthrene
Concen: 6.632 ng
RT: 17.504 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

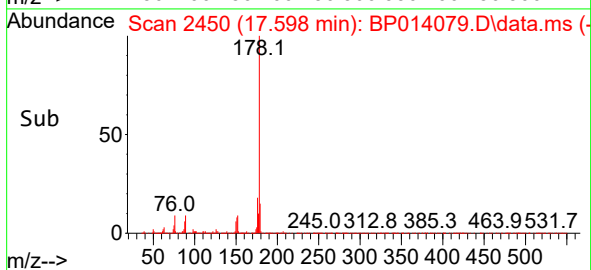
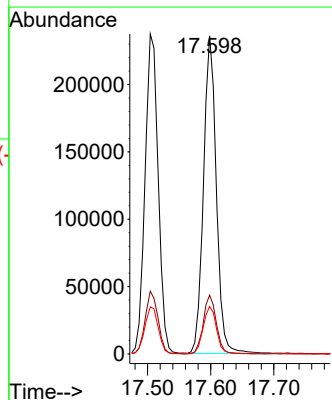
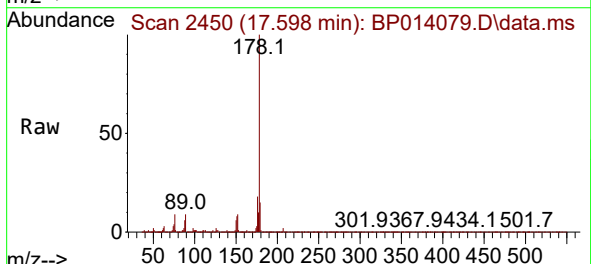
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

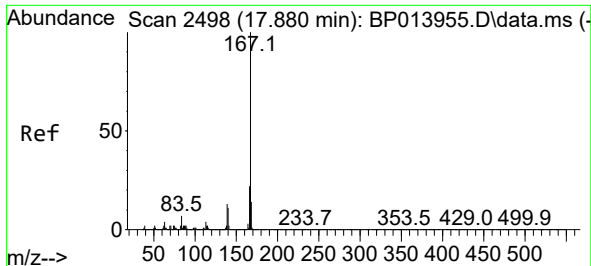
Tgt Ion:178 Resp: 344082
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 14.7 12.6 19.0



#72
Anthracene
Concen: 6.268 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:178 Resp: 332254
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.0 12.1 18.1

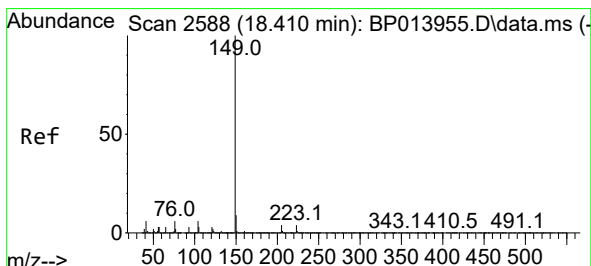
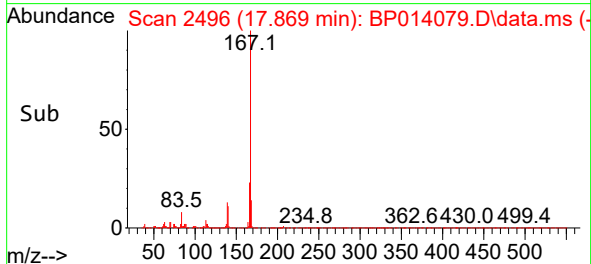
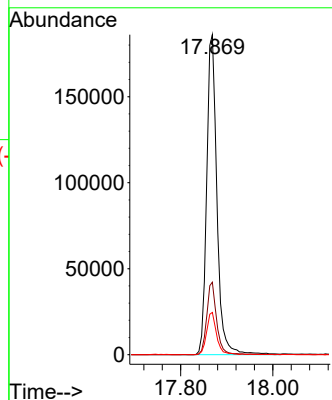
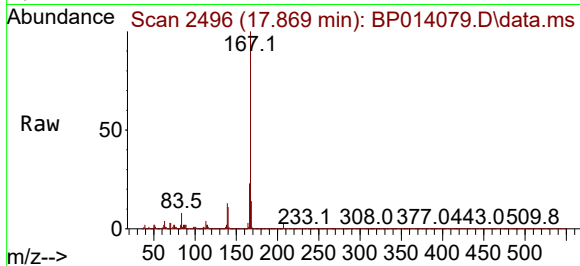




#73
 Carbazole
 Concen: 6.337 ng
 RT: 17.869 min Scan# 2498
 Delta R.T. 0.000 min
 Lab File: BP014079.D
 Acq: 14 Mar 2023 12:15

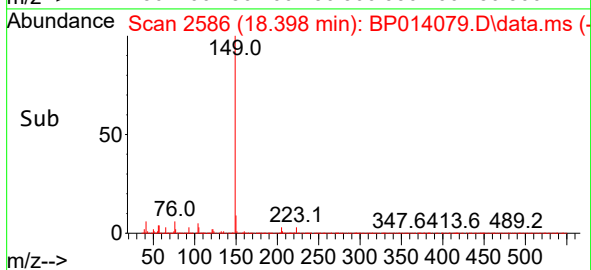
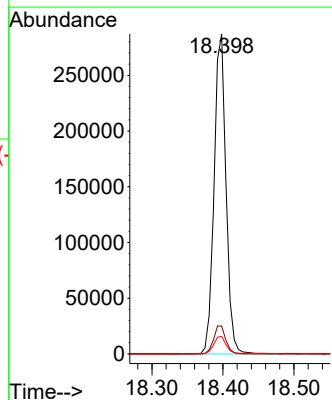
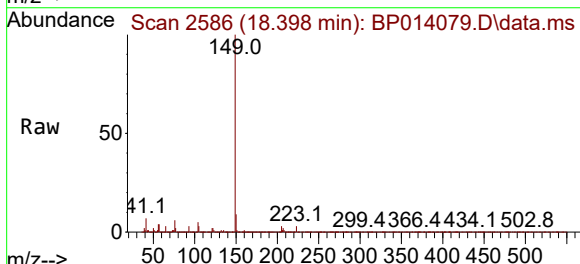
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

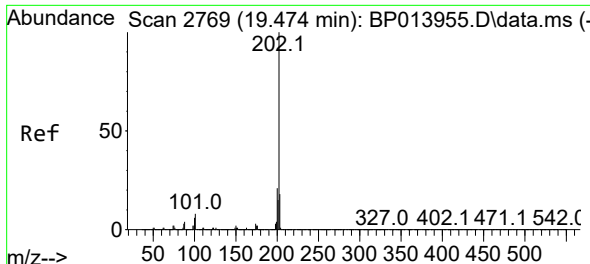
Tgt Ion:167 Resp: 289758
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.2 25.8
 139 13.2 10.5 15.7



#74
 Di-n-butylphthalate
 Concen: 5.844 ng
 RT: 18.398 min Scan# 2586
 Delta R.T. 0.000 min
 Lab File: BP014079.D
 Acq: 14 Mar 2023 12:15

Tgt Ion:149 Resp: 334128
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.2 10.8
 104 5.5 4.6 7.0

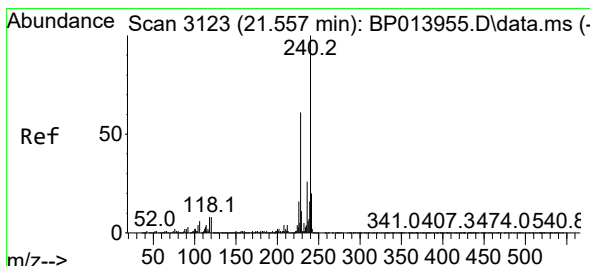
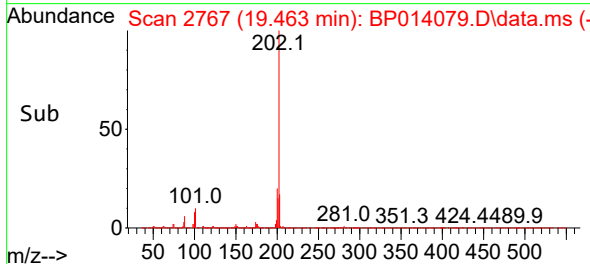
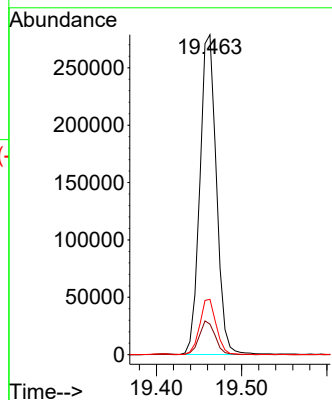
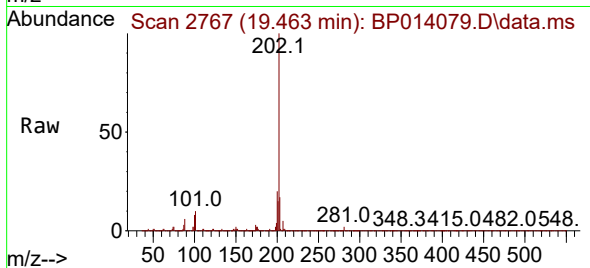




#75
Fluoranthene
Concen: 6.060 ng
RT: 19.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

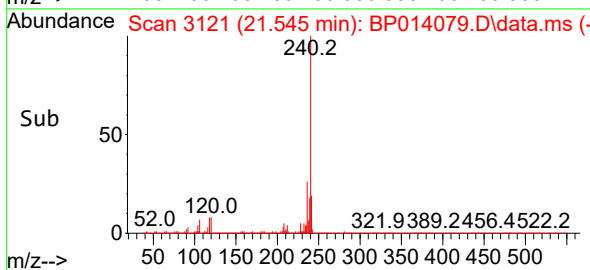
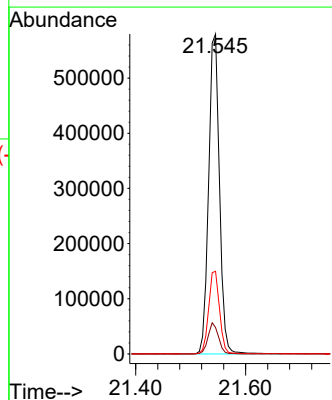
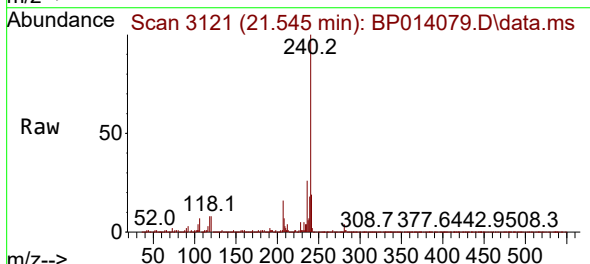
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

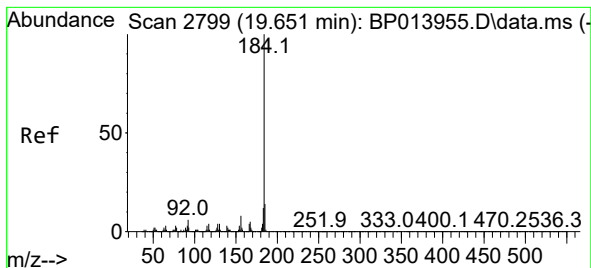
Tgt Ion:202 Resp: 375786
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:240 Resp: 790067
Ion Ratio Lower Upper
240 100
120 8.3 6.4 9.6
236 25.8 21.2 31.8





#77

Benzidine

Concen: 11.065 ng

RT: 19.639 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

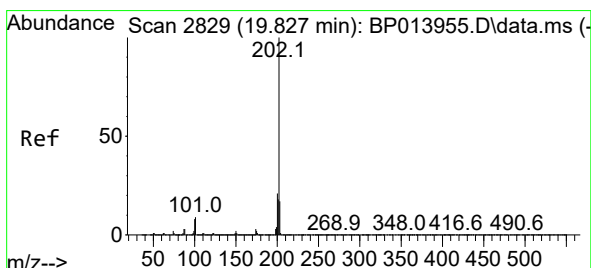
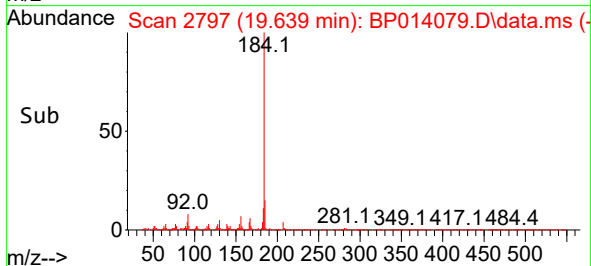
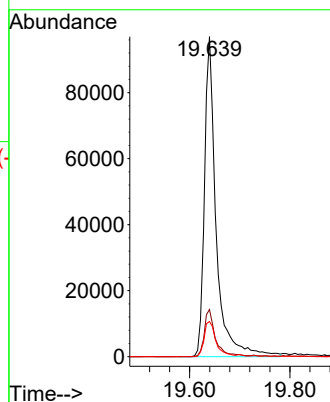
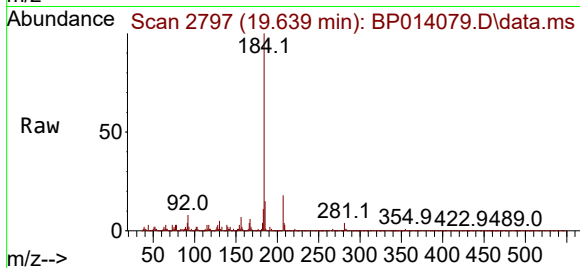
Tgt Ion:184 Resp: 156753

Ion Ratio Lower Upper

184 100

185 14.7 11.6 17.4

183 11.0 9.7 14.5



#78

Pyrene

Concen: 6.460 ng

RT: 19.816 min Scan# 2827

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

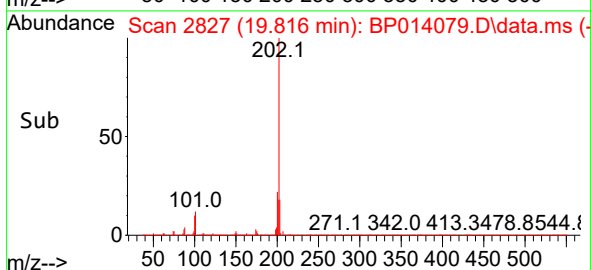
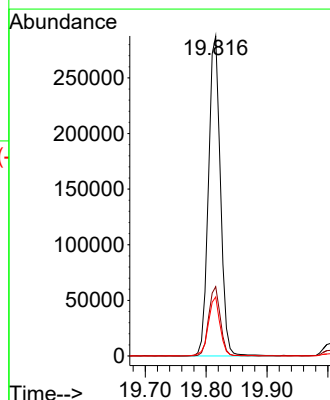
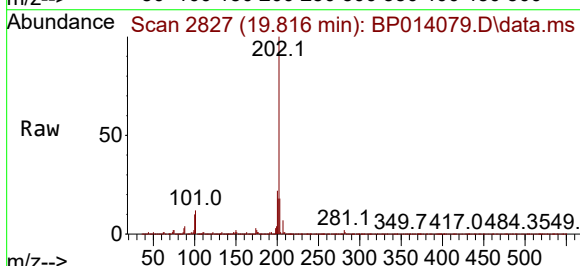
Tgt Ion:202 Resp: 391734

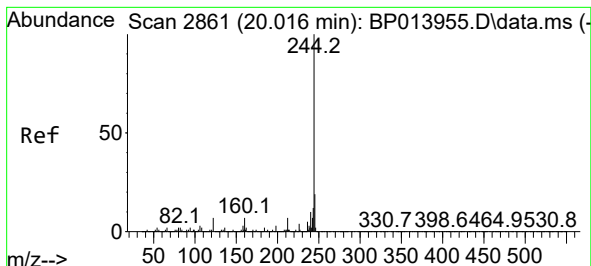
Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 18.5 13.9 20.9





#79

Terphenyl-d14

Concen: 75.086 ng

RT: 20.004 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

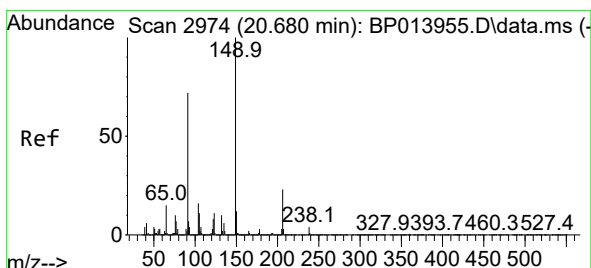
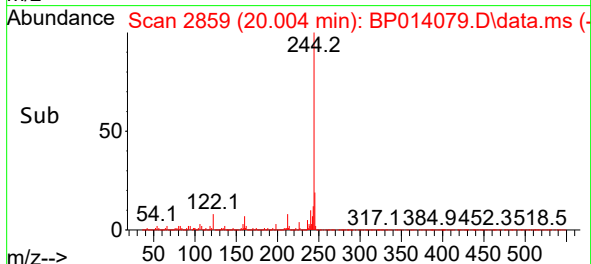
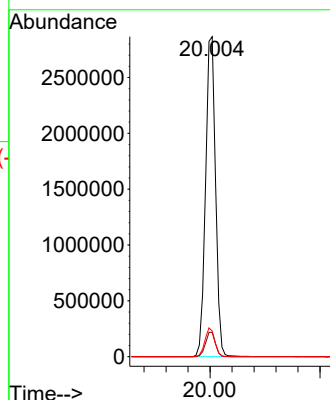
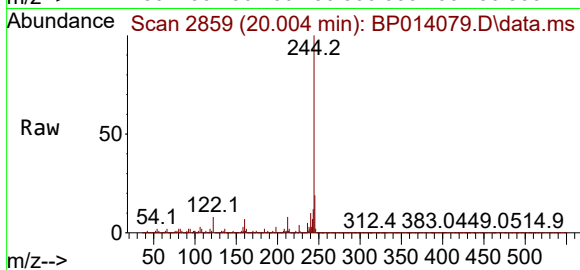
Tgt Ion:244 Resp: 3597633

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 8.1 5.8 8.6



#80

Butylbenzylphthalate

Concen: 5.322 ng

RT: 20.669 min Scan# 2972

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

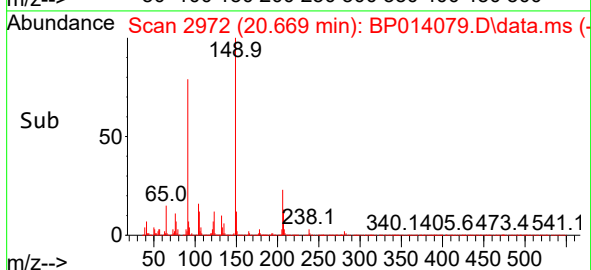
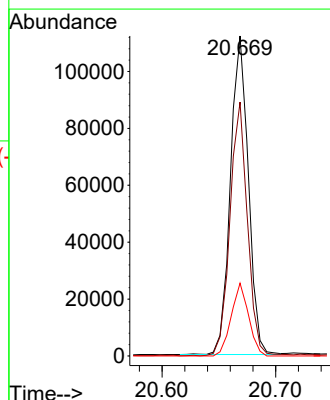
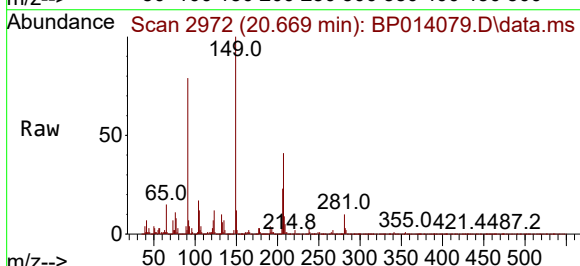
Tgt Ion:149 Resp: 122362

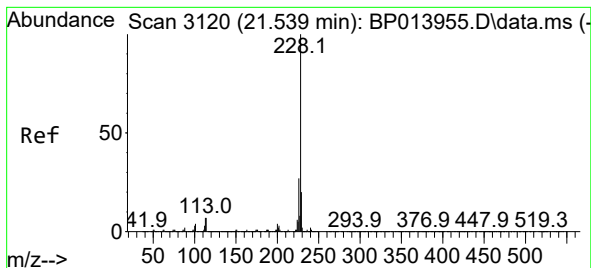
Ion Ratio Lower Upper

149 100

91 79.4 58.0 87.0

206 22.8 18.7 28.1





#81

Benzo(a)anthracene

Concen: 6.260 ng

RT: 21.527 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

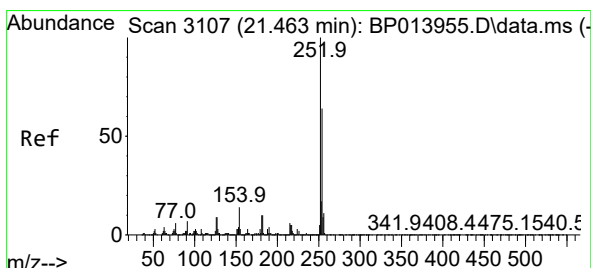
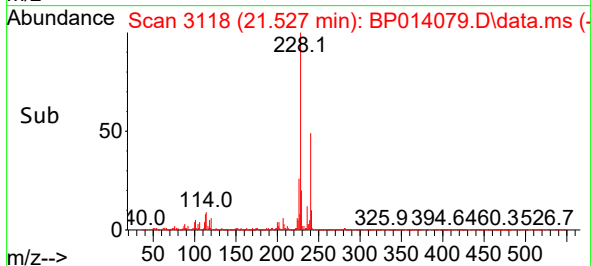
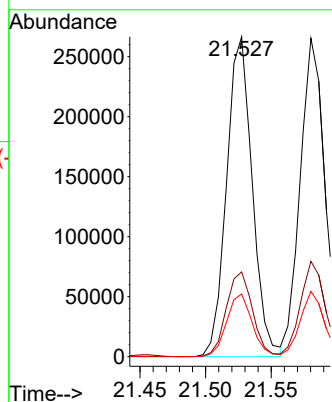
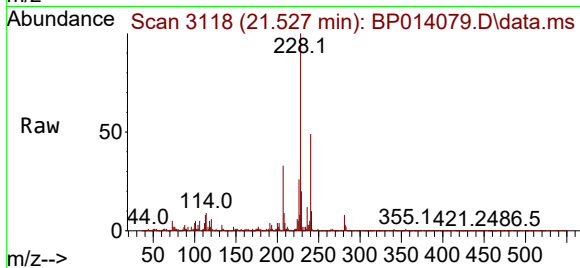
Tgt Ion:228 Resp: 362915

Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.8

229 19.6 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 6.711 ng

RT: 21.451 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

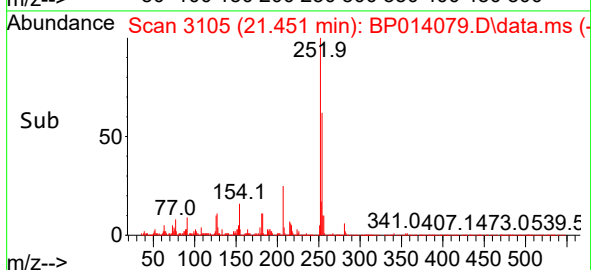
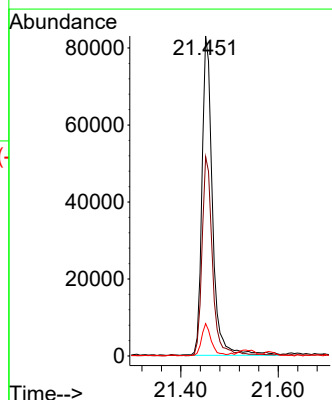
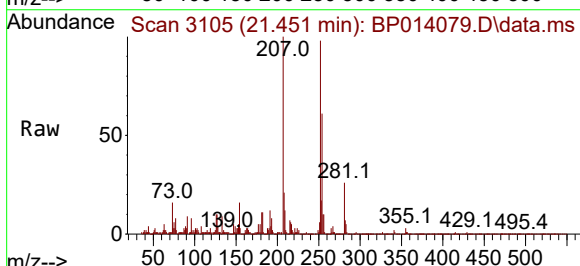
Tgt Ion:252 Resp: 124485

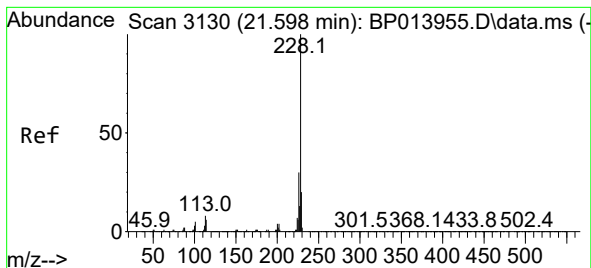
Ion Ratio Lower Upper

252 100

254 62.3 51.0 76.6

126 10.1 7.0 10.6





#83

Chrysene

Concen: 6.357 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

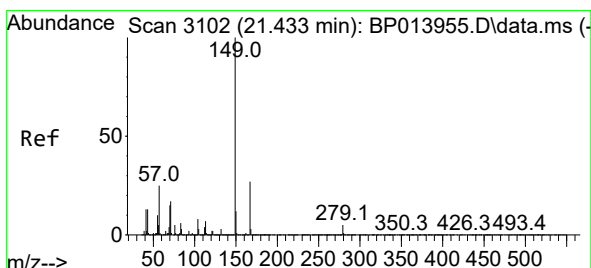
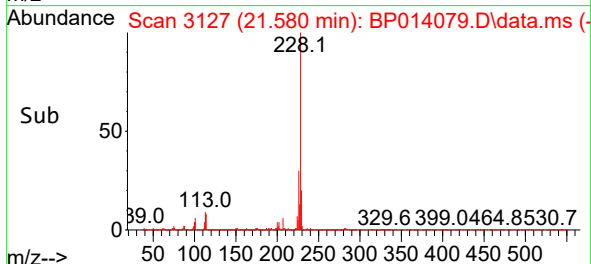
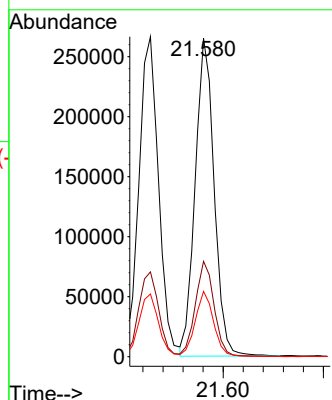
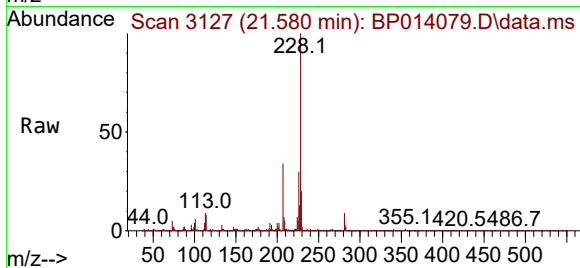
Tgt Ion:228 Resp: 348972

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

229 20.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.880 ng

RT: 21.422 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

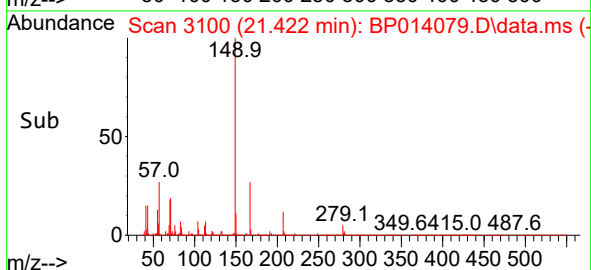
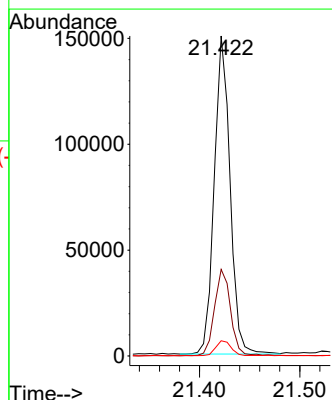
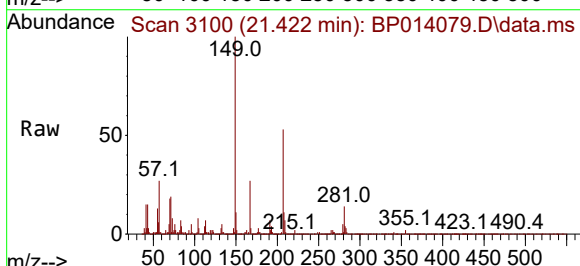
Tgt Ion:149 Resp: 164577

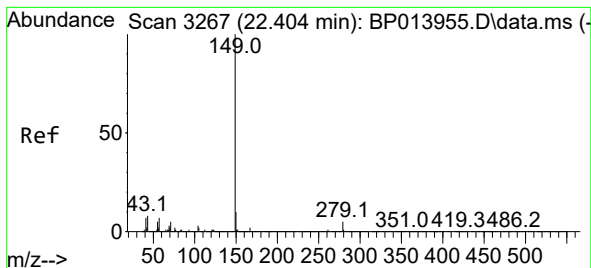
Ion Ratio Lower Upper

149 100

167 27.1 21.8 32.6

279 4.7 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 4.595 ng

RT: 22.392 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

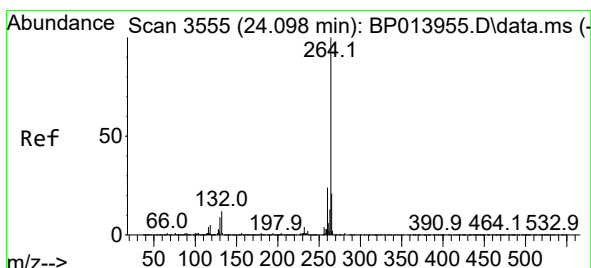
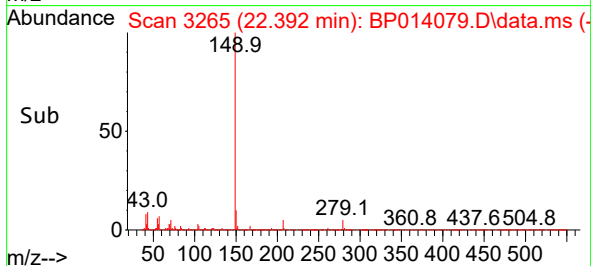
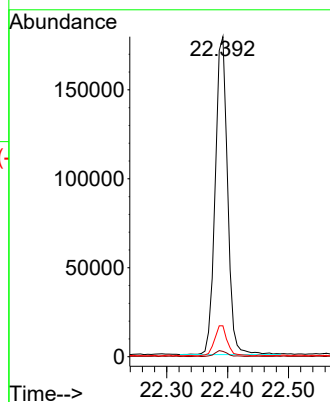
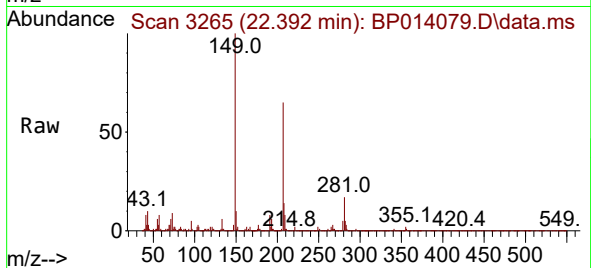
Tgt Ion:149 Resp: 251591

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 9.8 6.4 9.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.074 min Scan# 3551

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

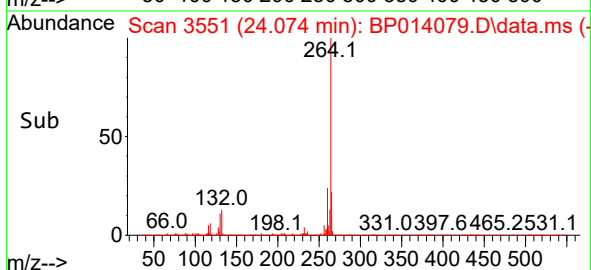
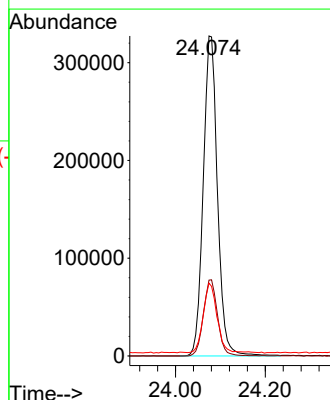
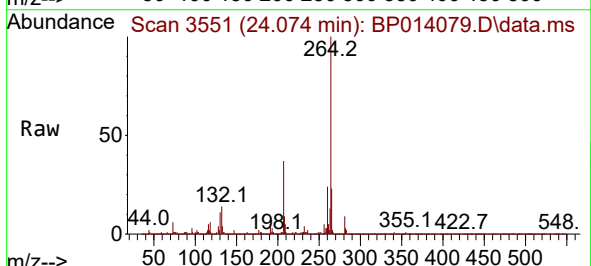
Tgt Ion:264 Resp: 719715

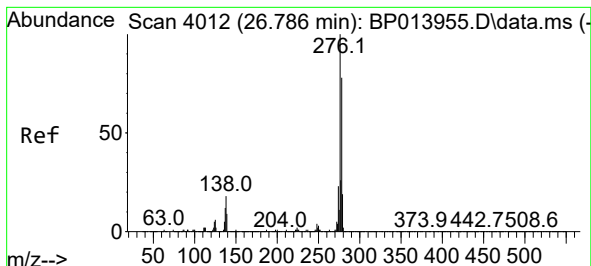
Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.7 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.408 ng

RT: 26.745 min Scan# 4012

Delta R.T. -0.006 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

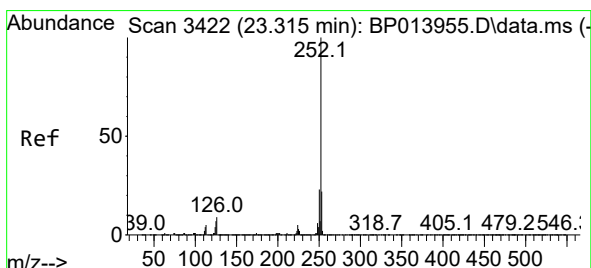
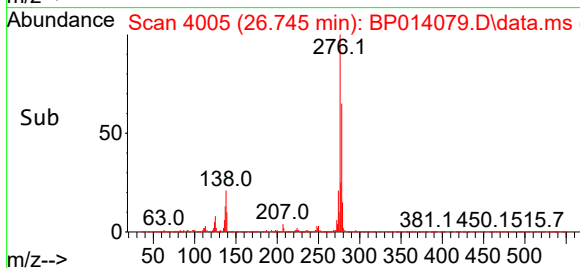
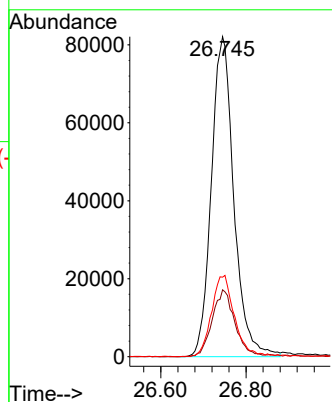
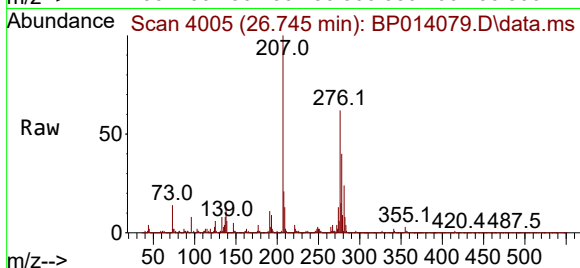
Tgt Ion:276 Resp: 300731

Ion Ratio Lower Upper

276 100

138 21.0 13.8 20.8#

277 25.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 6.678 ng

RT: 23.298 min Scan# 3419

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

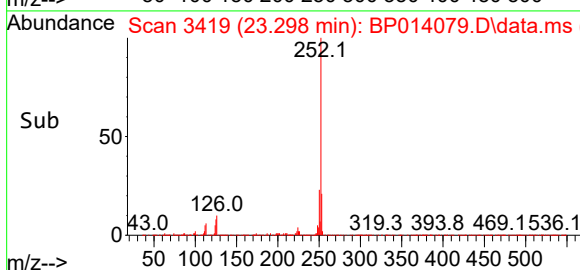
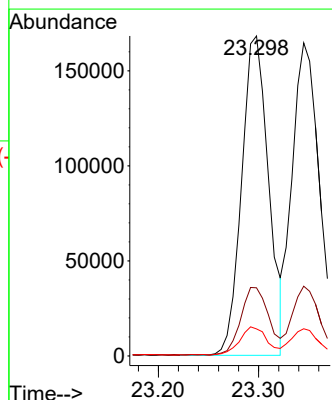
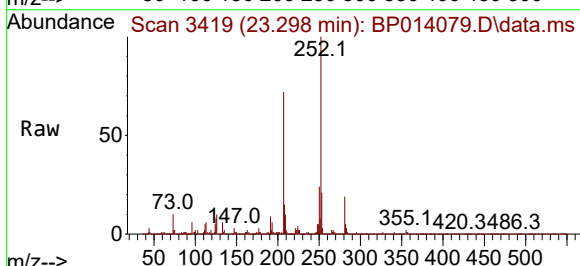
Tgt Ion:252 Resp: 314729

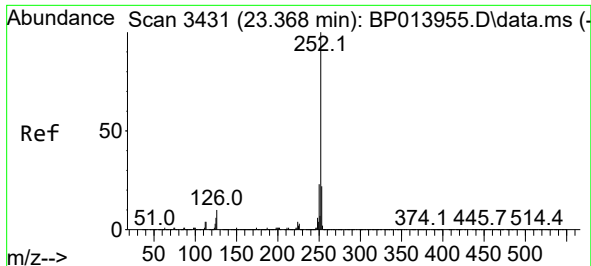
Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 8.5 5.6 8.4#

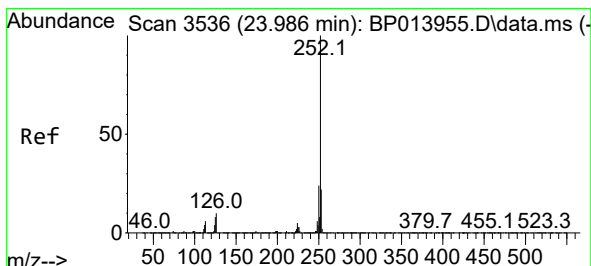
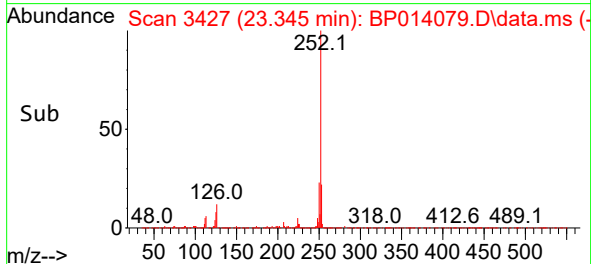
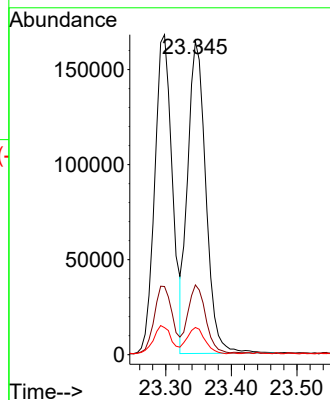
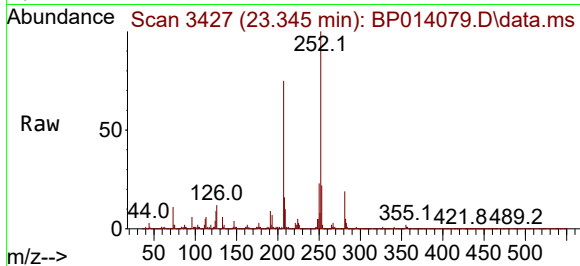




#89
Benzo(k)fluoranthene
Concen: 6.752 ng
RT: 23.345 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

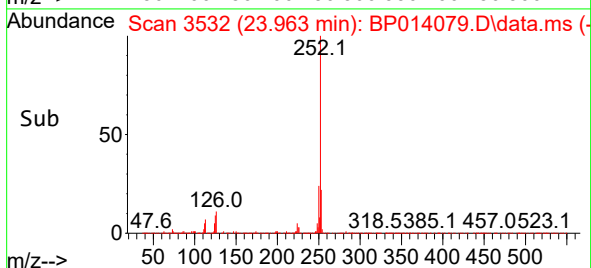
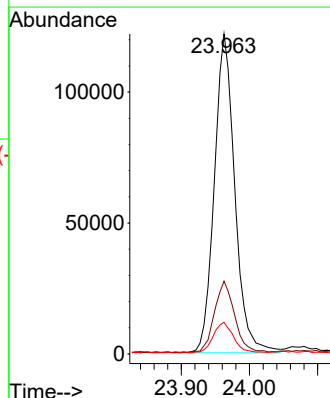
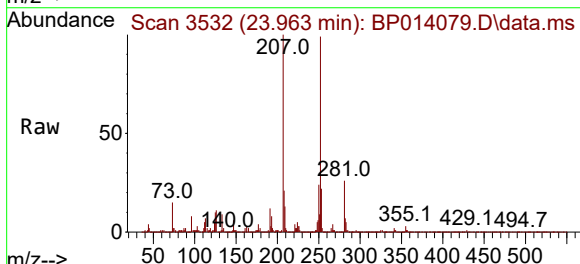
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2022

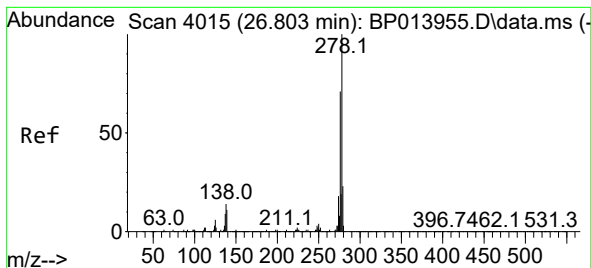
Tgt Ion:252 Resp: 315506
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 8.7 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 5.678 ng
RT: 23.963 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BP014079.D
Acq: 14 Mar 2023 12:15

Tgt Ion:252 Resp: 255251
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.9 6.2 9.4#





#91

Dibenzo(a,h)anthracene

Concen: 5.352 ng

RT: 26.762 min Scan# 4015

Delta R.T. 0.000 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2022

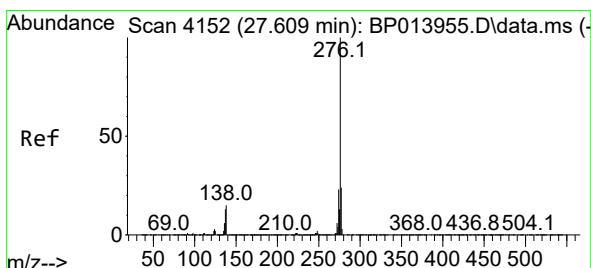
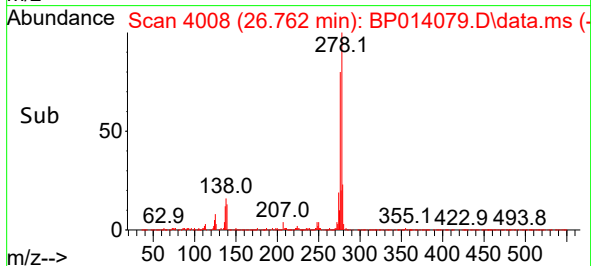
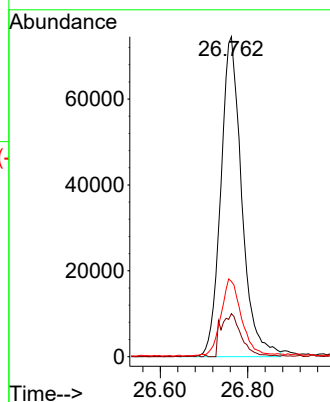
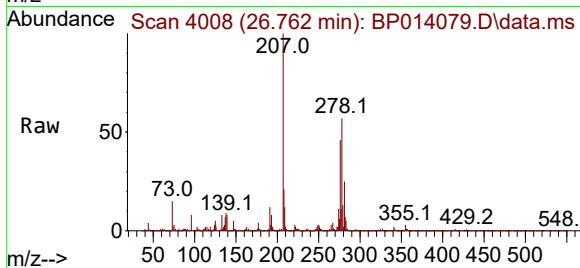
Tgt Ion:278 Resp: 247434

Ion Ratio Lower Upper

278 100

139 13.5 8.7 13.1#

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 5.326 ng

RT: 27.557 min Scan# 4143

Delta R.T. -0.012 min

Lab File: BP014079.D

Acq: 14 Mar 2023 12:15

Tgt Ion:276 Resp: 244014

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 17.8 12.2 18.4

