

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031323\
 Data File : BP014069.D
 Acq On : 13 Mar 2023 18:33
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 14 04:21:33 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	145313	20.000	ng	0.00
21) Naphthalene-d8	10.893	136	512525	20.000	ng	# 0.00
39) Acenaphthene-d10	14.710	164	299663	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	600423	20.000	ng	# 0.00
76) Chrysene-d12	21.539	240	508790	20.000	ng	0.00
86) Perylene-d12	24.074	264	509907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	1009932	112.712	ng	0.00
7) Phenol-d6	7.222	99	1290970	109.737	ng	0.00
23) Nitrobenzene-d5	9.246	82	918107	81.874	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	478079	98.399	ng	0.00
45) 2-Fluorobiphenyl	13.334	172	1859275	80.385	ng	0.00
79) Terphenyl-d14	19.998	244	2366777	76.705	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.470	88	15819	4.064	ng	95
3) Pyridine	3.905	79	29920	2.768	ng	94
4) n-Nitrosodimethylamine	3.799	42	16922	3.527	ng	# 94
6) Aniline	7.393	93	55049	3.562	ng	98
8) 2-Chlorophenol	7.628	128	35462	3.695	ng	97
9) Benzaldehyde	7.211	77	36603	6.218	ng	99
10) Phenol	7.252	94	46010	3.758	ng	93
11) bis(2-Chloroethyl)ether	7.487	93	36319	3.746	ng	96
12) 1,3-Dichlorobenzene	7.958	146	41392	3.925	ng	99
13) 1,4-Dichlorobenzene	8.105	146	41870	3.924	ng	93
14) 1,2-Dichlorobenzene	8.428	146	40823	3.995	ng	98
15) Benzyl Alcohol	8.316	79	30499	3.180	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.599	45	46181	4.376	ng	97
17) 2-Methylphenol	8.516	107	27618	3.163	ng	97
18) Hexachloroethane	9.158	117	14819	3.697	ng	88
19) n-Nitroso-di-n-propyla...	8.875	70	26097	3.370	ng	# 95
20) 3+4-Methylphenols	8.846	107	36445	3.099	ng	96
22) Acetophenone	8.905	105	54428	3.786	ng	# 96
24) Nitrobenzene	9.287	77	42858	3.735	ng	97
25) Isophorone	9.810	82	64666	3.130	ng	99
26) 2-Nitrophenol	10.005	139	15254	3.056	ng	95
27) 2,4-Dimethylphenol	10.057	122	28603	3.525	ng	98
28) bis(2-Chloroethoxy)met...	10.293	93	43804	3.663	ng	99
29) 2,4-Dichlorophenol	10.546	162	28050	3.158	ng	95
30) 1,2,4-Trichlorobenzene	10.757	180	37206	3.689	ng	98
31) Naphthalene	10.946	128	104858	3.723	ng	99
32) Benzoic acid	10.175	122	2437	3.043	ng	# 82
33) 4-Chloroaniline	11.063	127	37585	3.113	ng	96
34) Hexachlorobutadiene	11.222	225	25370	3.460	ng	95
35) Caprolactam	11.840	113	5698	2.241	ng	93
36) 4-Chloro-3-methylphenol	12.175	107	29218	2.949	ng	93
37) 2-Methylnaphthalene	12.546	142	69209	3.331	ng	97
38) 1-Methylnaphthalene	12.763	142	64950	3.354	ng	97
40) 1,2,4,5-Tetrachloroben...	12.910	216	42487	3.720	ng	99
41) Hexachlorocyclopentadiene	12.881	237	20571	2.870	ng	99
43) 2,4,6-Trichlorophenol	13.151	196	22034	3.052	ng	95

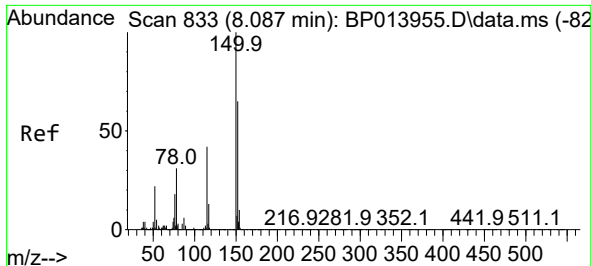
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.228	196	22895	2.737	ng	# 95
46) 1,1'-Biphenyl	13.546	154	94673	3.925	ng	95
47) 2-Chloronaphthalene	13.587	162	71965	3.876	ng	98
48) 2-Nitroaniline	13.798	65	16304	2.893	ng	91
49) Acenaphthylene	14.434	152	100002	3.387	ng	97
50) Dimethylphthalate	14.157	163	83331	3.371	ng	98
51) 2,6-Dinitrotoluene	14.281	165	15112	2.903	ng	93
52) Acenaphthene	14.769	154	64481	3.628	ng	97
53) 3-Nitroaniline	14.622	138	13348	2.616	ng	89
54) 2,4-Dinitrophenol	14.840	184	4741	4.259	ng	# 81
55) Dibenzofuran	15.104	168	105426	3.638	ng	98
56) 4-Nitrophenol	14.945	139	8065	1.941	ng	88
57) 2,4-Dinitrotoluene	15.075	165	18034	2.591	ng	# 98
58) Fluorene	15.757	166	79883	3.472	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.251	232	20225	2.771	ng	96
60) Diethylphthalate	15.516	149	76415	3.131	ng	99
61) 4-Chlorophenyl-phenylether	15.745	204	43071	3.302	ng	98
62) 4-Nitroaniline	15.787	138	11080	2.181	ng	# 86
63) Azobenzene	16.040	77	71118	3.149	ng	96
65) 4,6-Dinitro-2-methylph...	15.840	198	8614	1.937	ng	89
66) n-Nitrosodiphenylamine	15.963	169	65535	3.454	ng	97
67) 4-Bromophenyl-phenylether	16.645	248	25240	3.178	ng	93
68) Hexachlorobenzene	16.763	284	31398	3.688	ng	95
69) Atrazine	16.910	200	22200	3.333	ng	97
70) Pentachlorophenol	17.116	266	13143	2.141	ng	93
71) Phenanthrene	17.504	178	124055	3.698	ng	99
72) Anthracene	17.598	178	112632	3.286	ng	99
73) Carbazole	17.869	167	94261	3.188	ng	99
74) Di-n-butylphthalate	18.398	149	101900	2.757	ng	99
75) Fluoranthene	19.463	202	126388	3.152	ng	96
77) Benzidine	19.639	184	50443	6.907	ng	# 96
78) Pyrene	19.816	202	134200	3.436	ng	99
80) Butylbenzylphthalate	20.669	149	38052	2.570	ng	98
81) Benzo(a)anthracene	21.527	228	126872	3.399	ng	98
82) 3,3'-Dichlorobenzidine	21.457	252	44623	3.736	ng	99
83) Chrysene	21.580	228	127609	3.610	ng	99
84) Bis(2-ethylhexyl)phtha...	21.422	149	54877	2.527	ng	99
85) Di-n-octyl phthalate	22.386	149	82709	2.346	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.733	276	137616	3.493	ng	97
88) Benzo(b)fluoranthene	23.292	252	116856	3.500	ng	# 93
89) Benzo(k)fluoranthene	23.345	252	117993	3.564	ng	# 98
90) Benzo(a)pyrene	23.957	252	99348	3.120	ng	# 98
91) Dibenzo(a,h)anthracene	26.757	278	113839	3.476	ng	# 95
92) Benzo(g,h,i)perylene	27.562	276	115646	3.563	ng	98

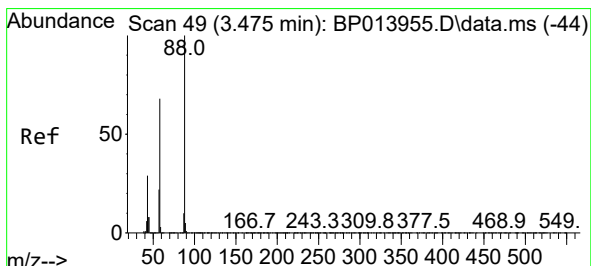
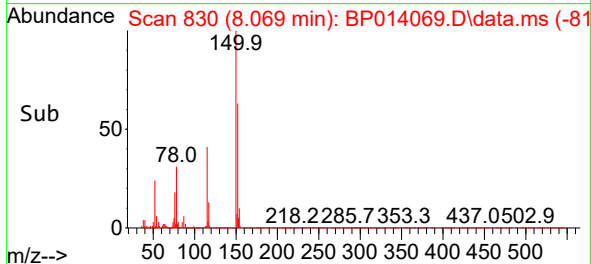
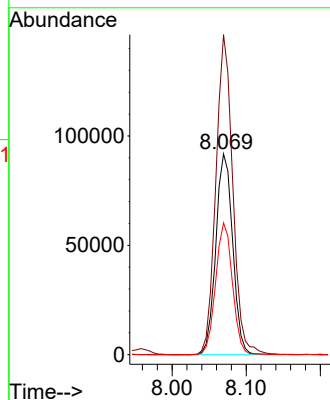
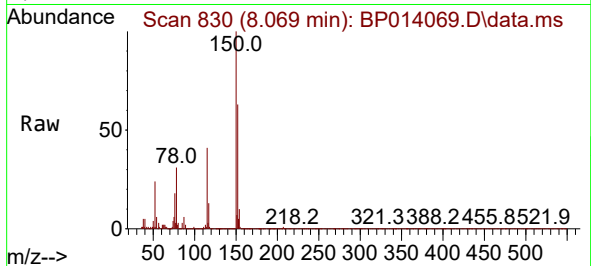
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

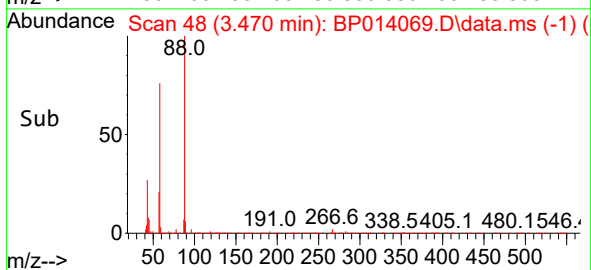
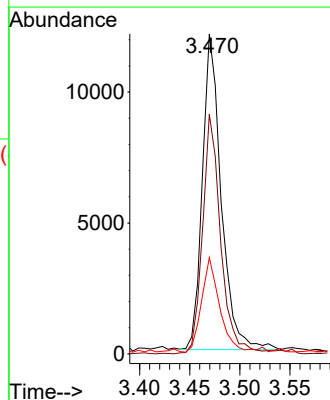
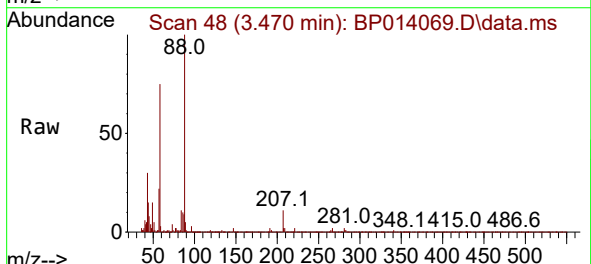
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LOD-MDL-SOIL-01-QT1-2023

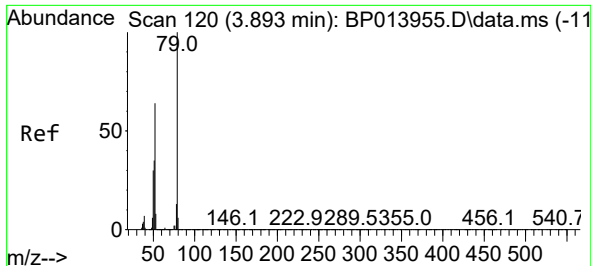
Tgt Ion:152 Resp: 145313
Ion Ratio Lower Upper
152 100
150 159.4 122.3 183.5
115 65.6 51.6 77.4



#2
1,4-Dioxane
Concen: 4.064 ng
RT: 3.470 min Scan# 48
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 88 Resp: 15819
Ion Ratio Lower Upper
88 100
58 72.5 53.8 80.8
43 28.8 22.1 33.1

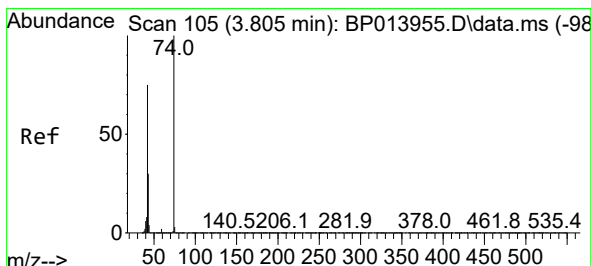
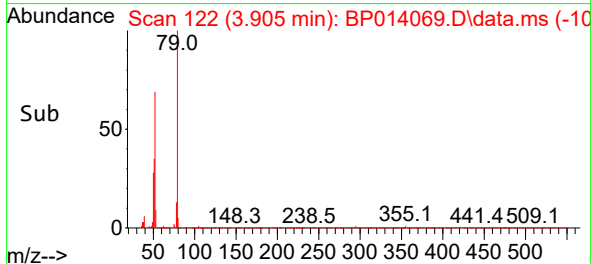
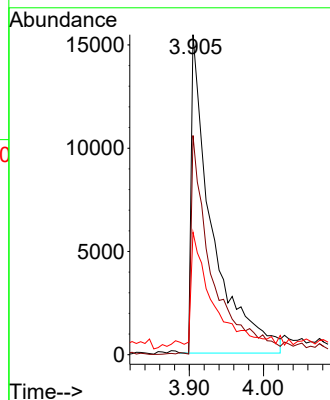
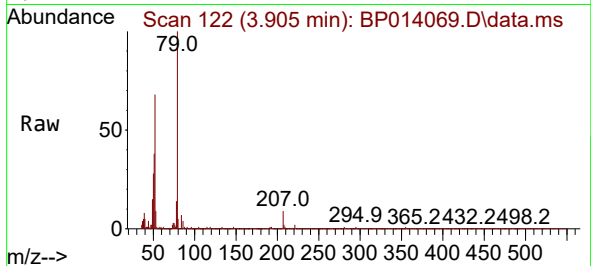




#3
Pyridine
Concen: 2.768 ng
RT: 3.905 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

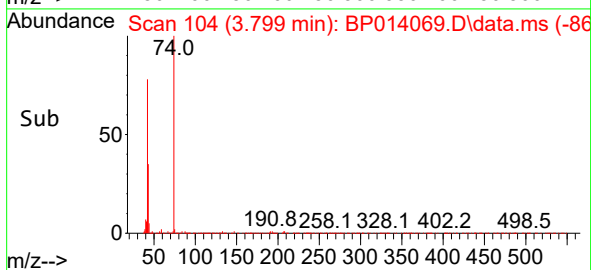
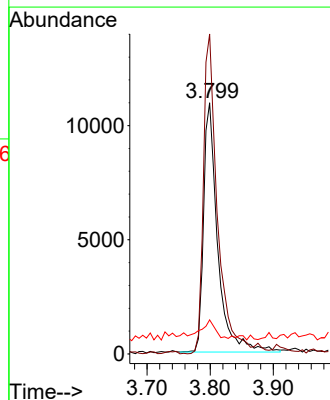
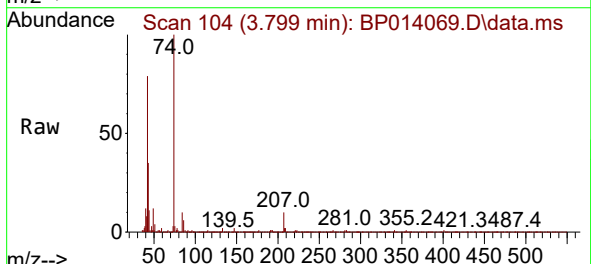
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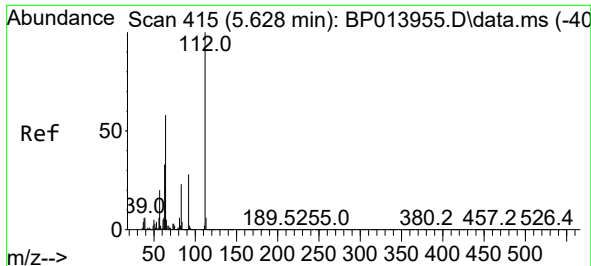
Tgt Ion: 79 Resp: 29920
Ion Ratio Lower Upper
79 100
52 68.5 51.0 76.4
51 38.3 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 3.527 ng
RT: 3.799 min Scan# 104
Delta R.T. 0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 42 Resp: 16922
Ion Ratio Lower Upper
42 100
74 127.4 107.0 160.6
44 13.6 4.5 6.7#

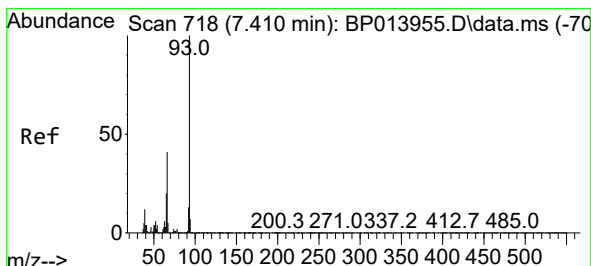
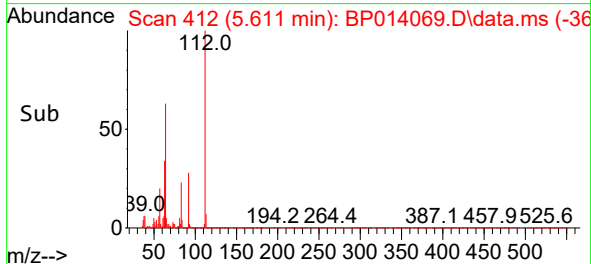
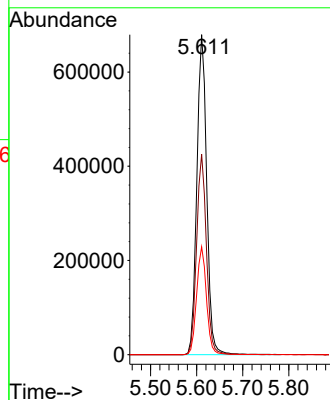
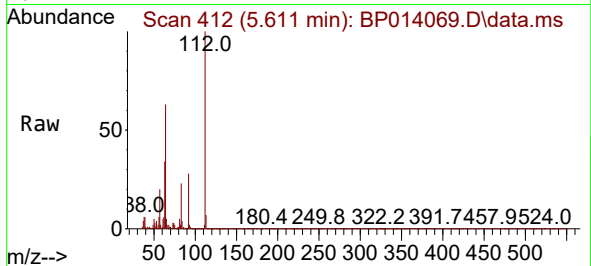




#5
2-Fluorophenol
Concen: 112.712 ng
RT: 5.611 min Scan# 411
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

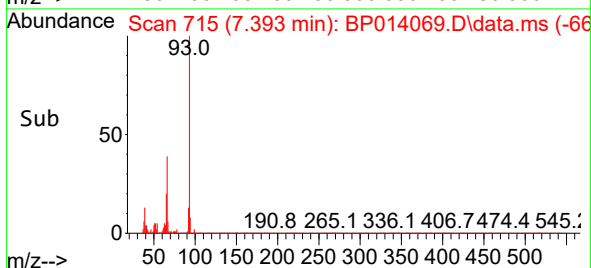
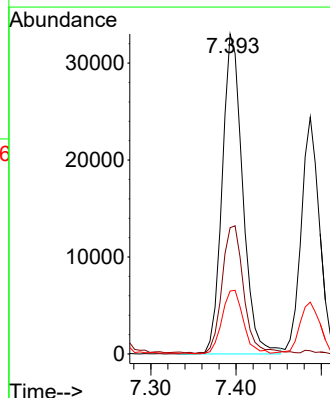
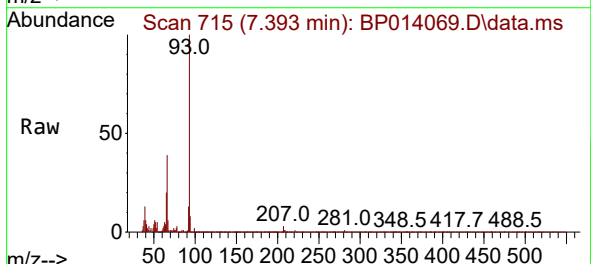
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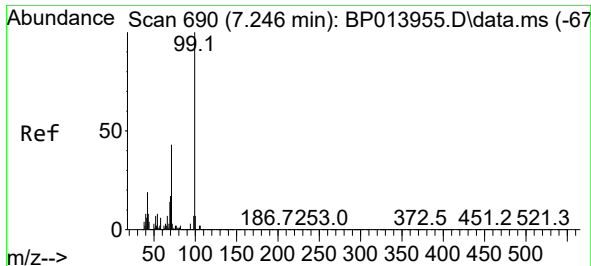
Tgt Ion:112 Resp: 1009932
Ion Ratio Lower Upper
112 100
64 62.6 46.7 70.1
63 33.7 26.6 40.0



#6
Aniline
Concen: 3.562 ng
RT: 7.393 min Scan# 715
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 93 Resp: 55049
Ion Ratio Lower Upper
93 100
66 39.5 32.6 48.8
65 19.7 16.0 24.0

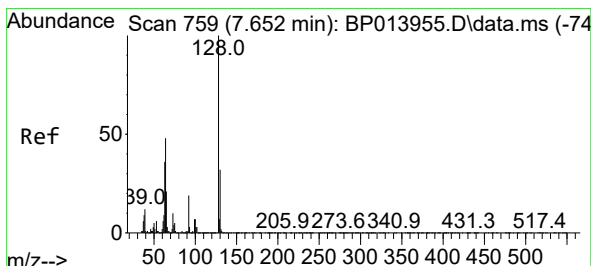
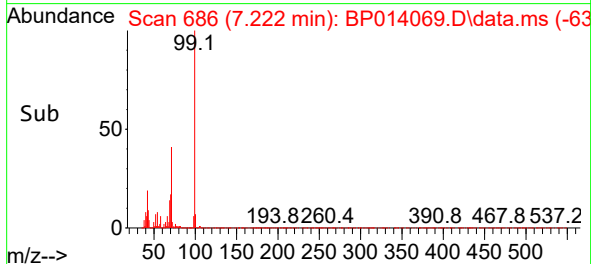
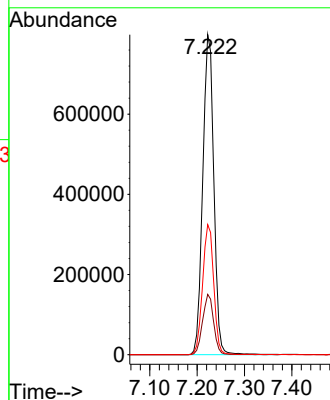
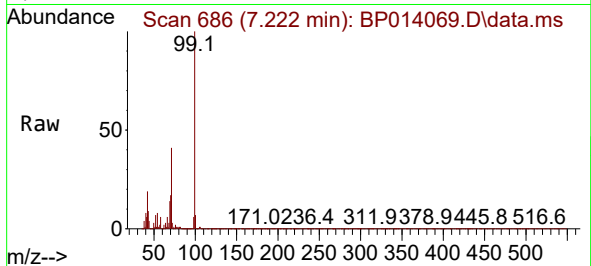




#7
Phenol-d6
Concen: 109.737 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

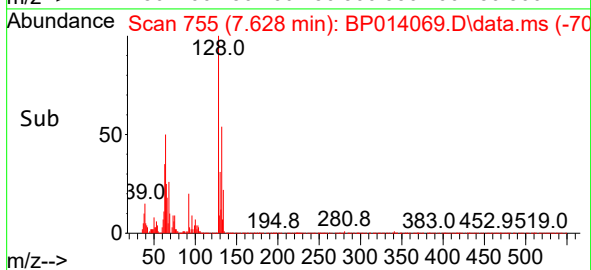
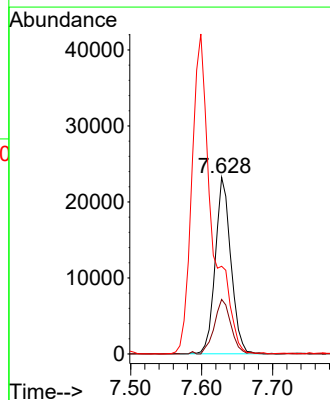
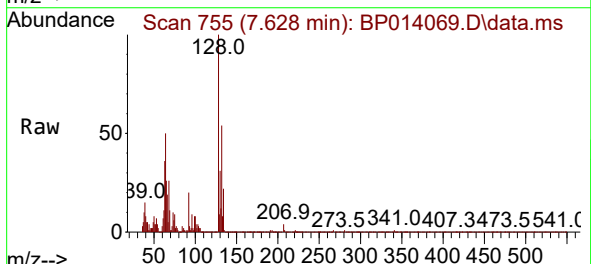
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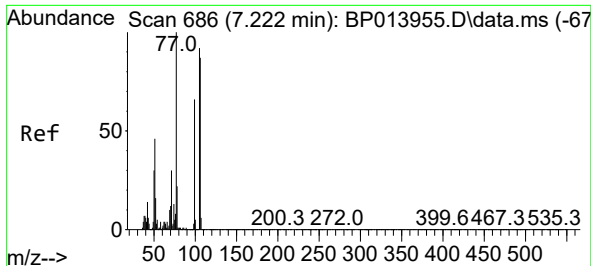
Tgt Ion: 99 Resp: 1290970
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.6
71 40.7 34.3 51.5



#8
2-Chlorophenol
Concen: 3.695 ng
RT: 7.628 min Scan# 755
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:128 Resp: 35462
Ion Ratio Lower Upper
128 100
130 30.9 12.3 52.3
64 49.6 27.6 67.6

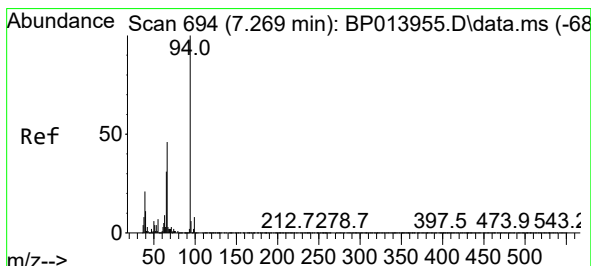
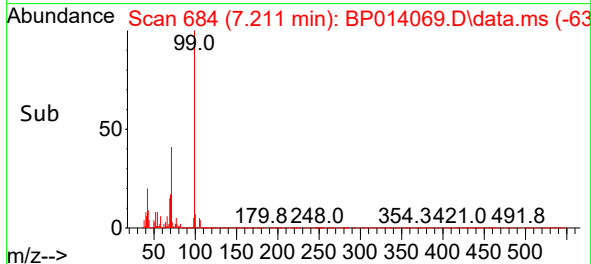
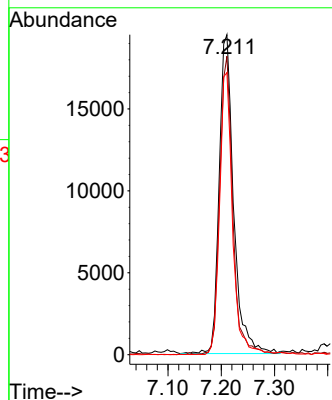
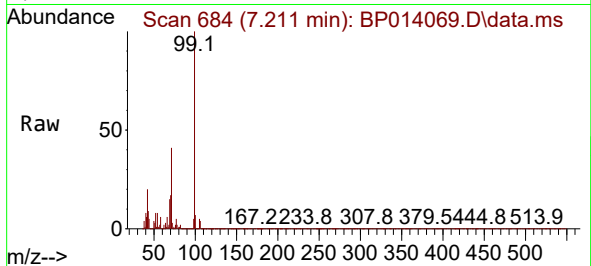




#9
Benzaldehyde
Concen: 6.218 ng
RT: 7.211 min Scan# 610
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

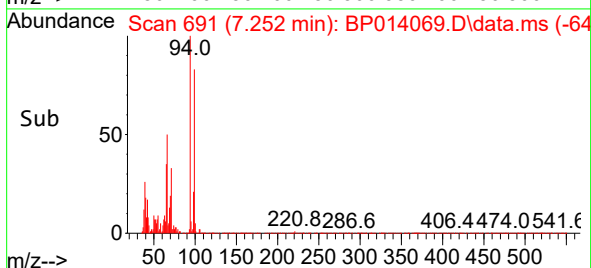
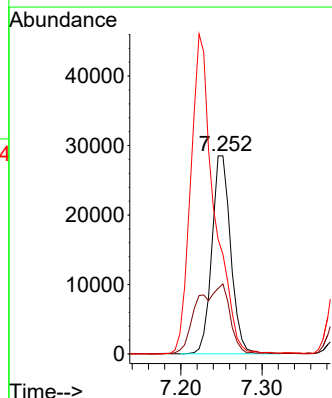
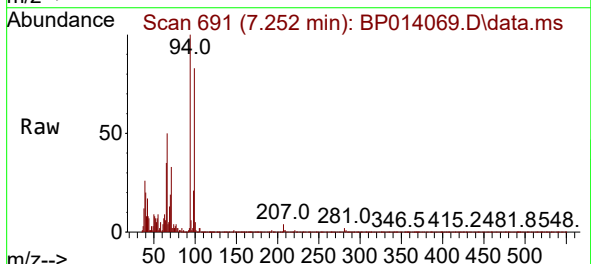
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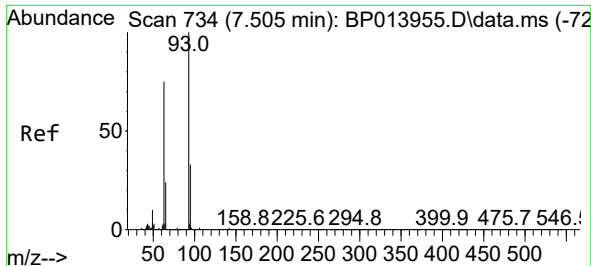
Tgt Ion: 77 Resp: 36603
Ion Ratio Lower Upper
77 100
105 93.2 72.4 112.4
106 88.2 66.9 106.9



#10
Phenol
Concen: 3.758 ng
RT: 7.252 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 94 Resp: 46010
Ion Ratio Lower Upper
94 100
65 35.4 10.9 50.9
66 50.3 26.1 66.1

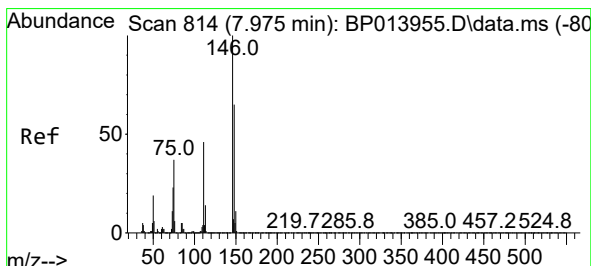
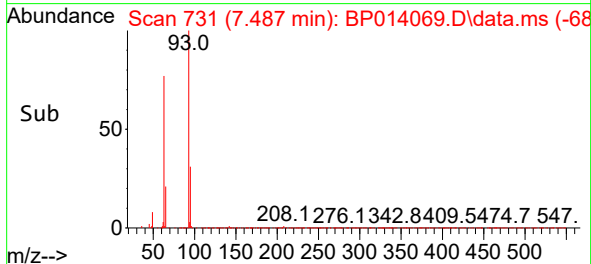
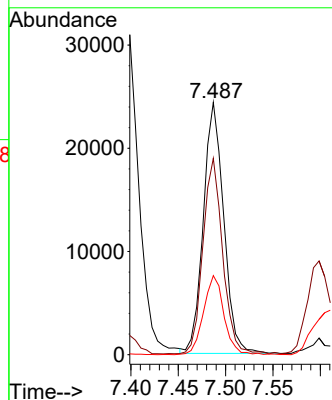
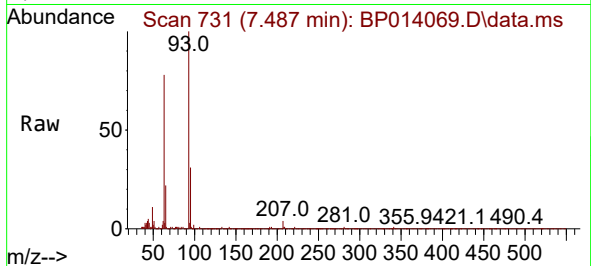




#11
bis(2-Chloroethyl)ether
Concen: 3.746 ng
RT: 7.487 min Scan# 731
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

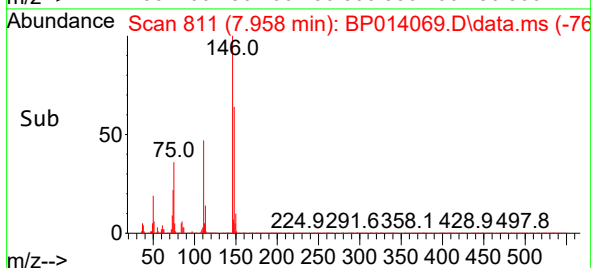
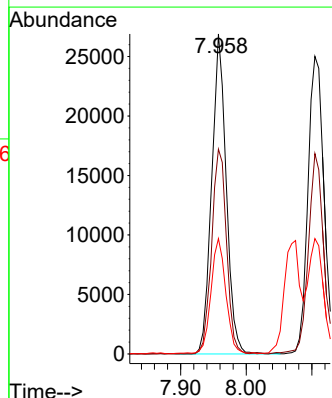
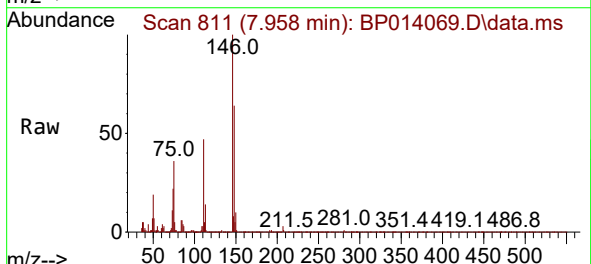
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

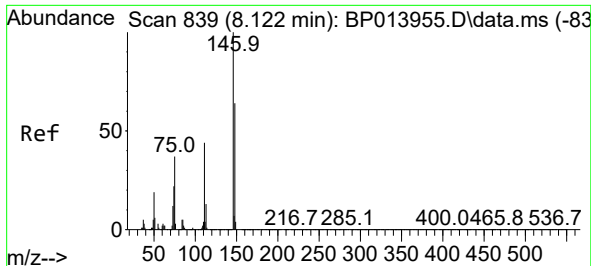
Tgt Ion: 93 Resp: 36319
Ion Ratio Lower Upper
93 100
63 77.8 54.2 94.2
95 31.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 3.925 ng
RT: 7.958 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:146 Resp: 41392
Ion Ratio Lower Upper
146 100
148 64.0 52.1 78.1
75 36.1 29.4 44.0

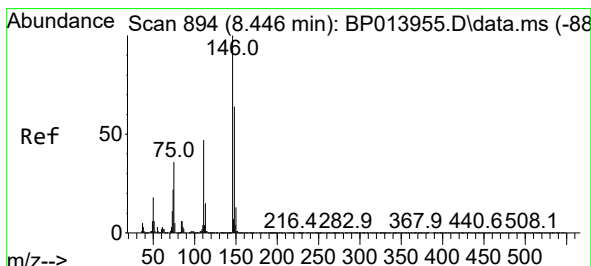
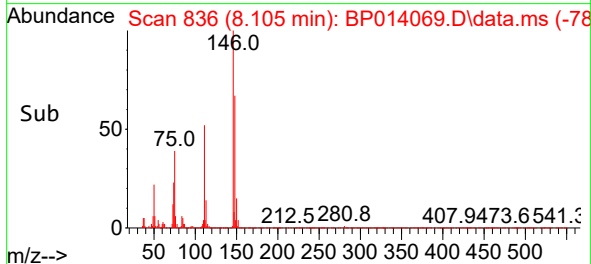
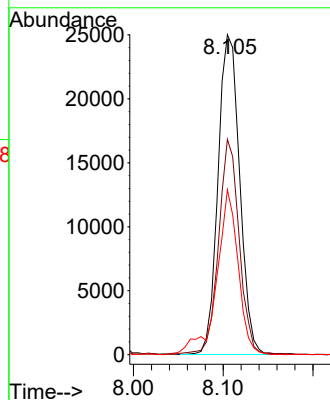
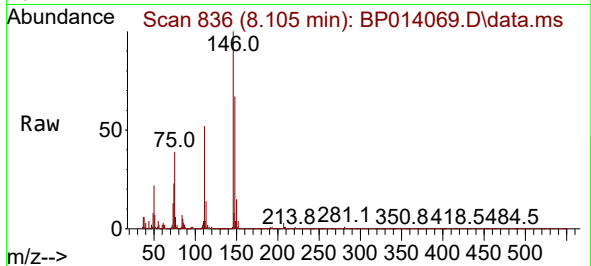




#13
1,4-Dichlorobenzene
Concen: 3.924 ng
RT: 8.105 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

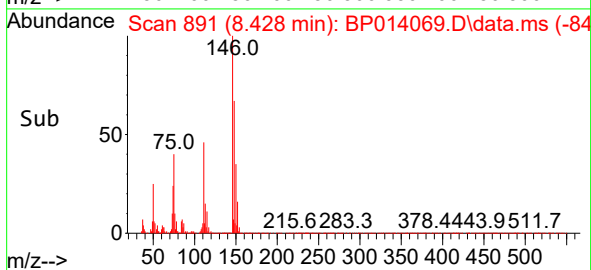
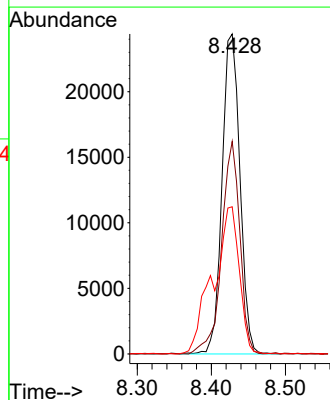
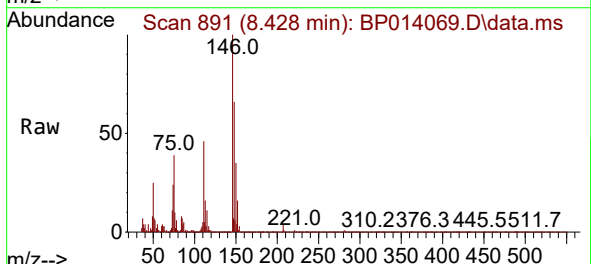
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

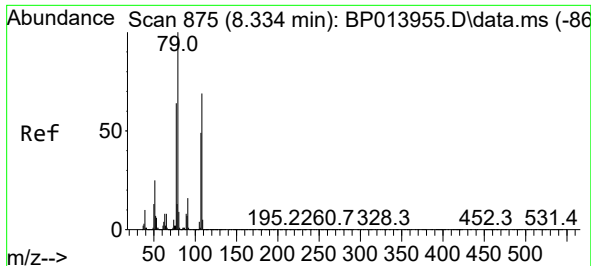
Tgt Ion:146 Resp: 41870
Ion Ratio Lower Upper
146 100
148 67.3 51.4 77.2
111 51.6 35.1 52.7



#14
1,2-Dichlorobenzene
Concen: 3.995 ng
RT: 8.428 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:146 Resp: 40823
Ion Ratio Lower Upper
146 100
148 66.4 51.4 77.0
111 46.0 37.2 55.8

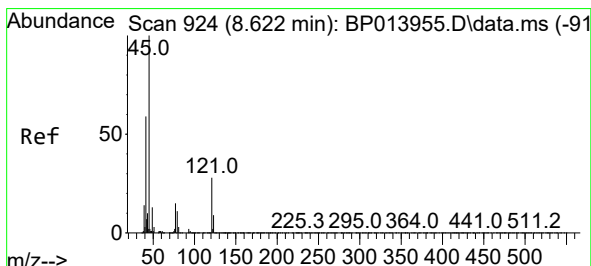
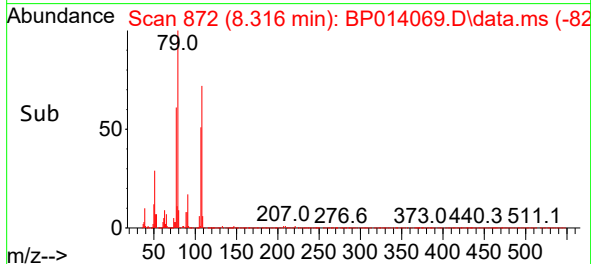
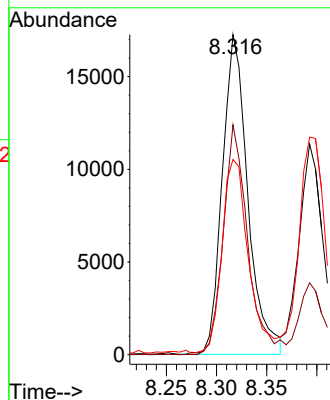
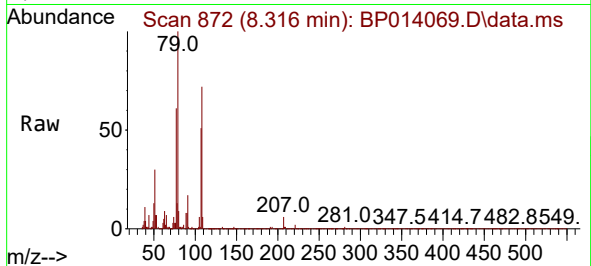




#15
Benzyl Alcohol
Concen: 3.180 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

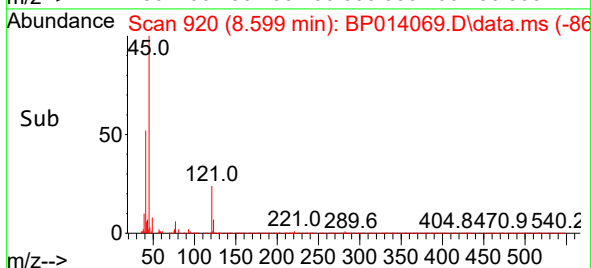
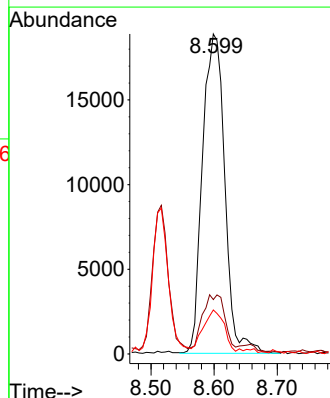
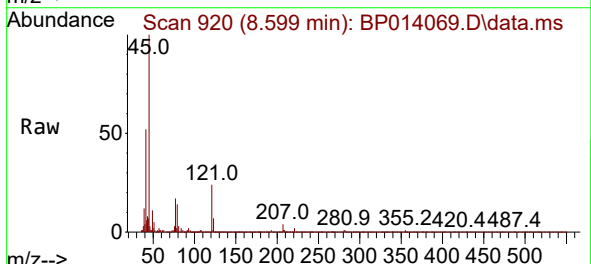
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

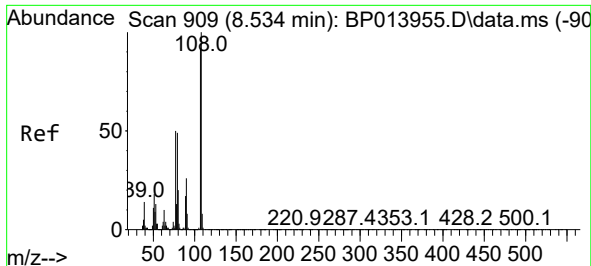
Tgt Ion: 79 Resp: 30499
Ion Ratio Lower Upper
79 100
108 71.8 54.9 82.3
77 61.0 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.376 ng
RT: 8.599 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 45 Resp: 46181
Ion Ratio Lower Upper
45 100
77 17.0 0.0 38.7
79 13.8 0.0 34.4

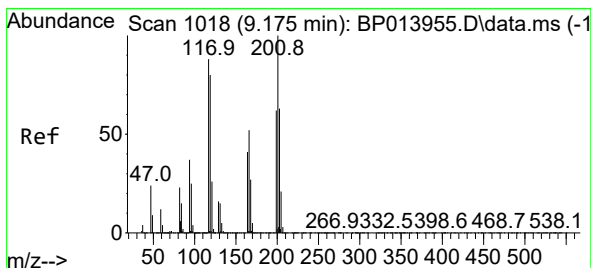
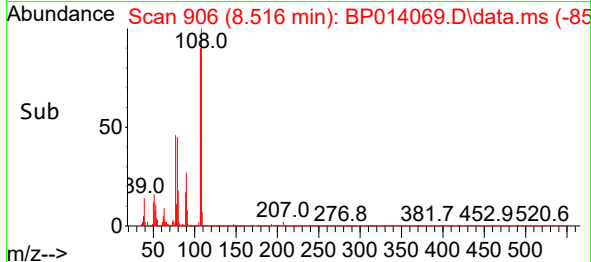
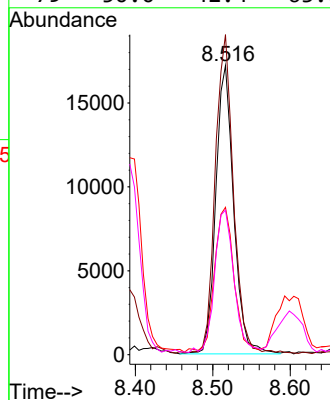
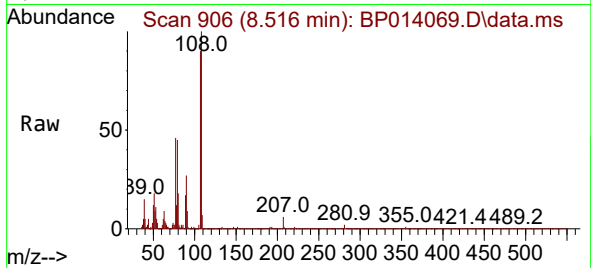




#17
2-Methylphenol
Concen: 3.163 ng
RT: 8.516 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

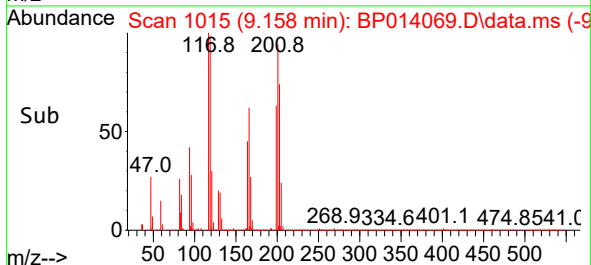
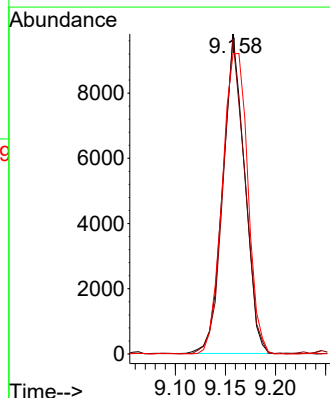
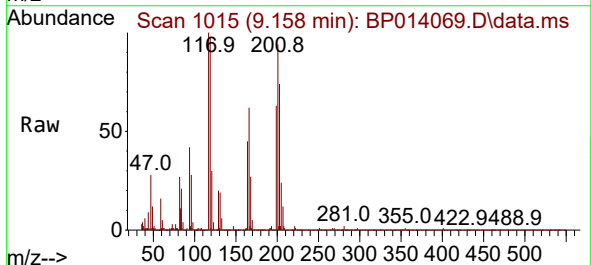
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

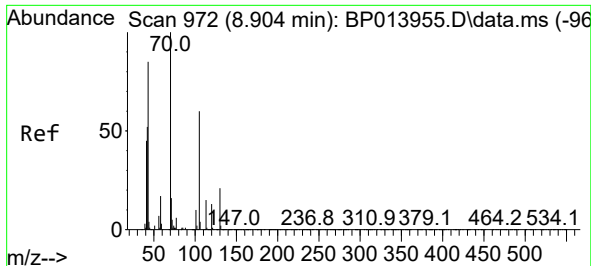
Tgt Ion:	107	Resp:	27618
Ion	Ratio	Lower	Upper
107	100		
108	110.7	87.0	130.4
77	51.0	44.0	66.0
79	50.0	42.4	63.6



#18
Hexachloroethane
Concen: 3.697 ng
RT: 9.158 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:	117	Resp:	14819
Ion	Ratio	Lower	Upper
117	100		
119	98.4	73.3	109.9
201	95.9	91.1	136.7





#19

n-Nitroso-di-n-propylamine

Concen: 3.370 ng

RT: 8.875 min Scan# 91

Delta R.T. -0.017 min

Lab File: BP014069.D

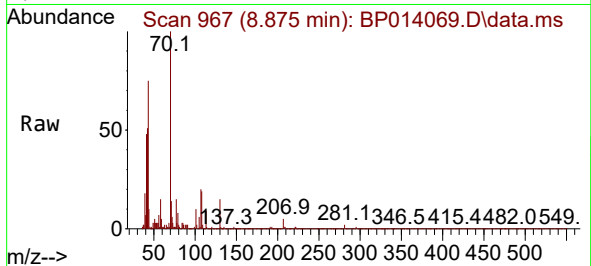
Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 26097

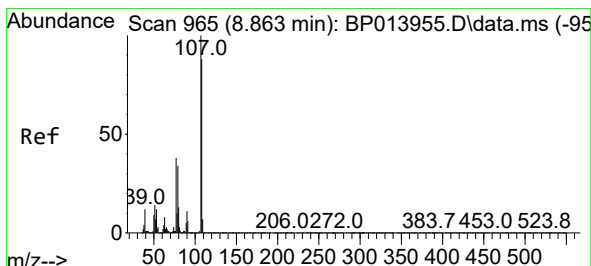
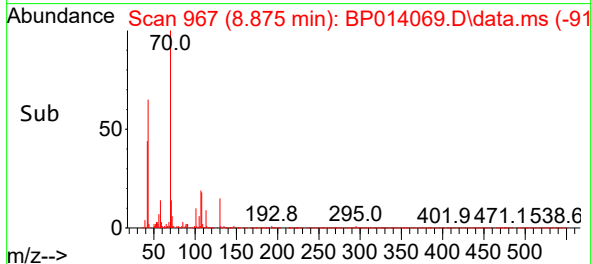
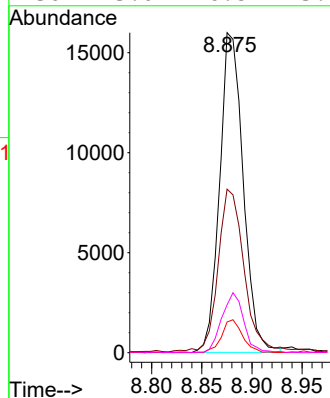
Ion Ratio Lower Upper

70 100

42 51.1 42.4 63.6

101 9.6 8.2 12.4

130 15.0 16.8 25.2#



#20

3+4-Methylphenols

Concen: 3.099 ng

RT: 8.846 min Scan# 962

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion: 107 Resp: 36445

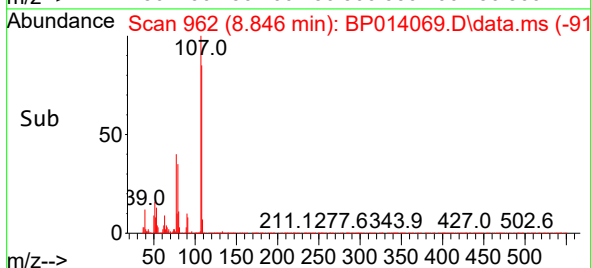
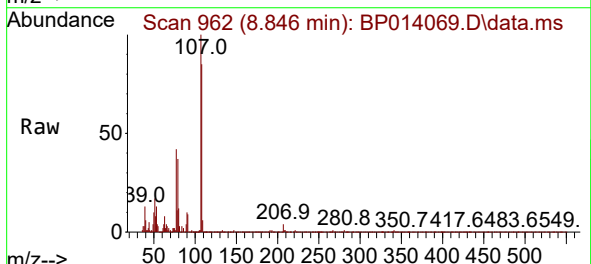
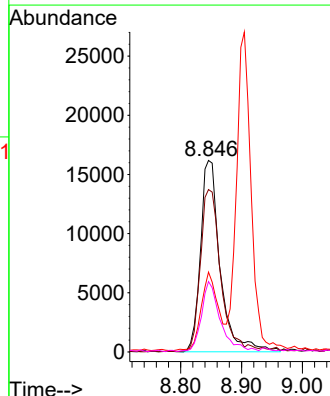
Ion Ratio Lower Upper

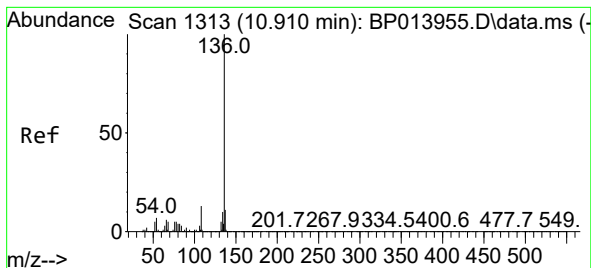
107 100

108 84.9 68.2 108.2

77 41.7 18.1 58.1

79 36.8 14.0 54.0

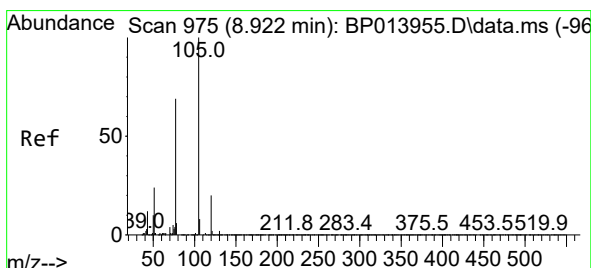
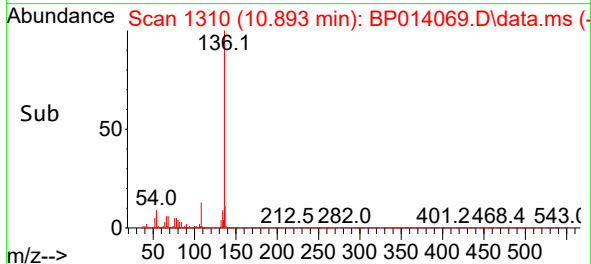
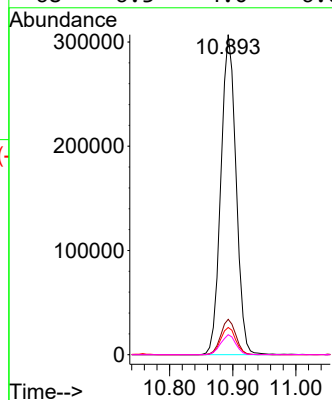
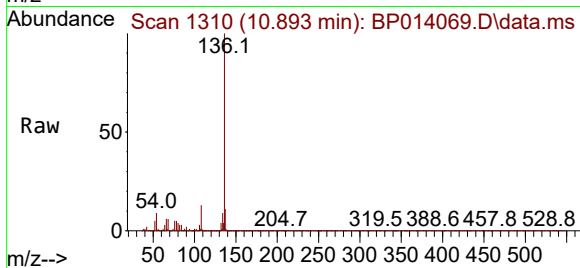




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.893 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

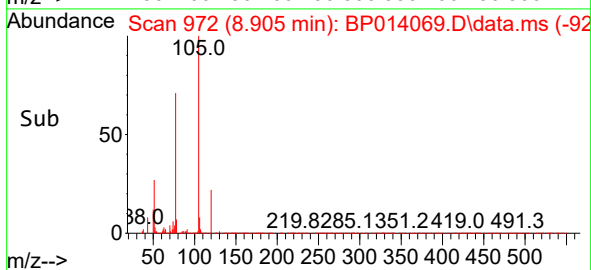
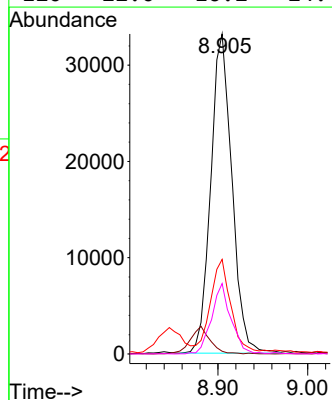
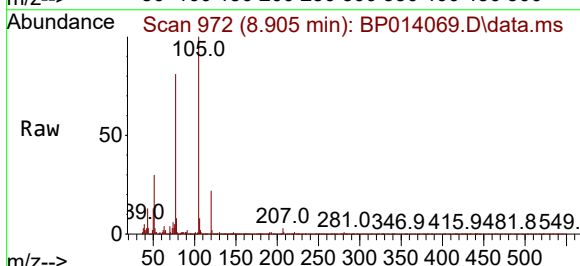
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

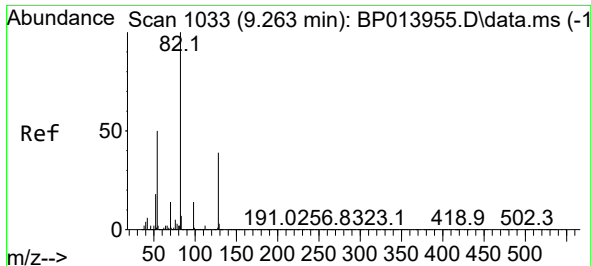
Tgt Ion:136 Resp: 512525
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.5 5.8 8.8
68 6.3 4.0 6.0#



#22
Acetophenone
Concen: 3.786 ng
RT: 8.905 min Scan# 972
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:105 Resp: 54428
Ion Ratio Lower Upper
105 100
71 0.9 1.4 2.0#
51 29.5 21.5 32.3
120 22.0 16.2 24.4

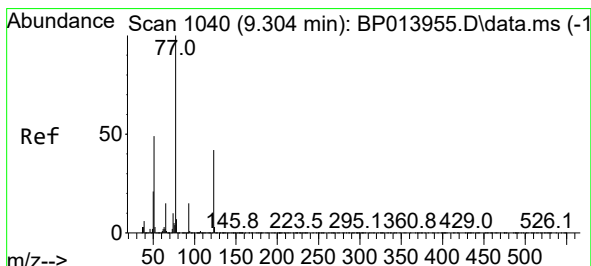
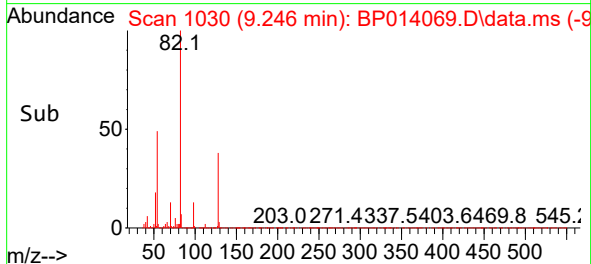
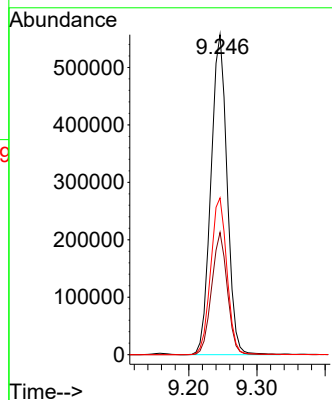
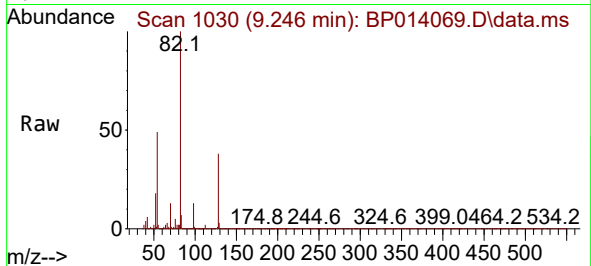




#23
Nitrobenzene-d5
Concen: 81.874 ng
RT: 9.246 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

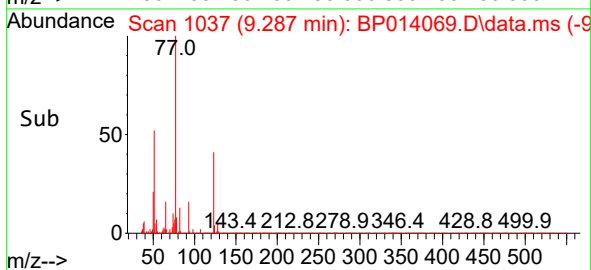
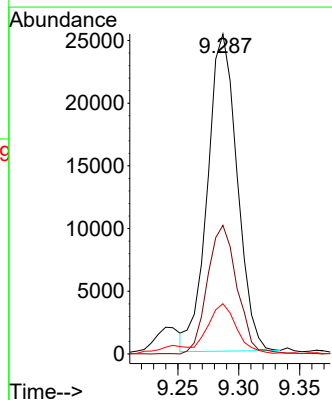
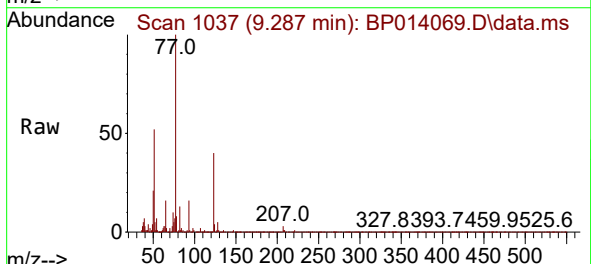
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

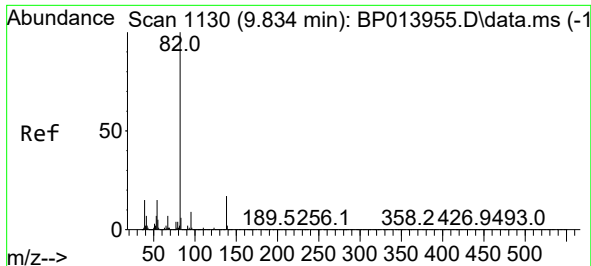
Tgt Ion: 82 Resp: 918107
Ion Ratio Lower Upper
82 100
128 38.2 31.1 46.7
54 49.0 40.0 60.0



#24
Nitrobenzene
Concen: 3.735 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 77 Resp: 42858
Ion Ratio Lower Upper
77 100
123 40.2 33.6 50.4
65 15.7 11.6 17.4

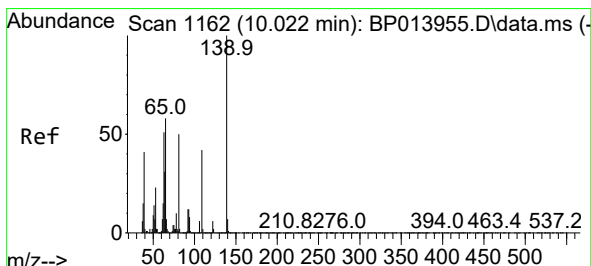
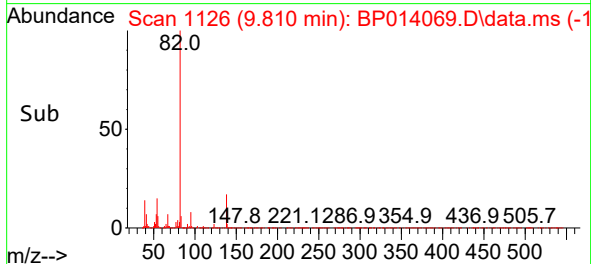
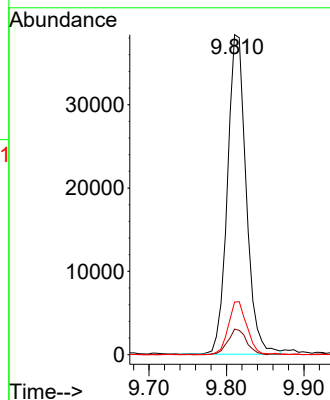
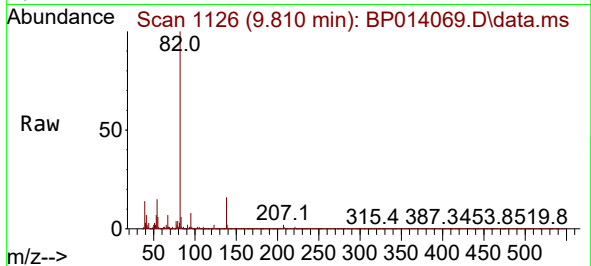




#25
Isophorone
Concen: 3.130 ng
RT: 9.810 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

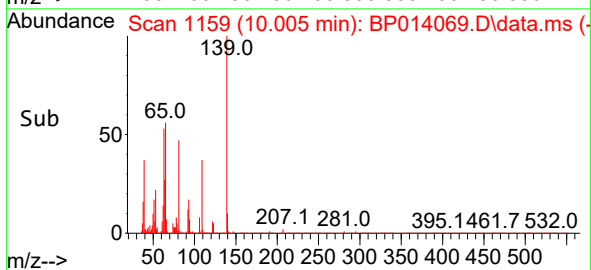
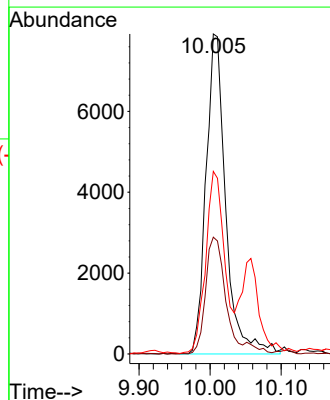
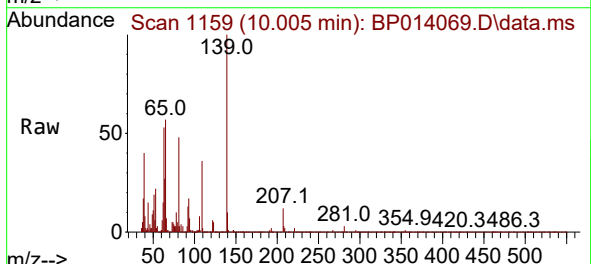
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

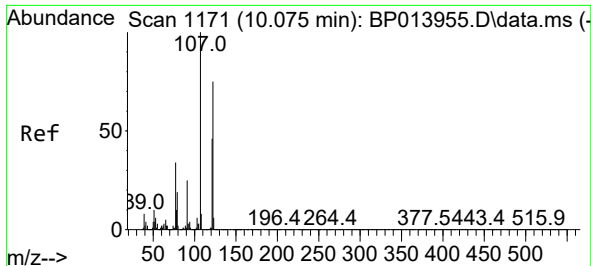
Tgt Ion: 82 Resp: 64666
Ion Ratio Lower Upper
82 100
95 8.0 6.9 10.3
138 16.4 13.3 19.9



#26
2-Nitrophenol
Concen: 3.056 ng
RT: 10.005 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 139 Resp: 15254
Ion Ratio Lower Upper
139 100
109 36.5 33.8 50.8
65 57.1 46.6 70.0





#27

2,4-Dimethylphenol

Concen: 3.525 ng

RT: 10.057 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

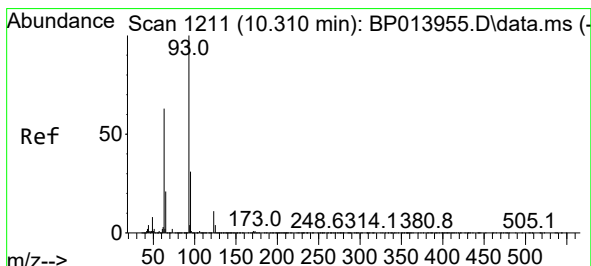
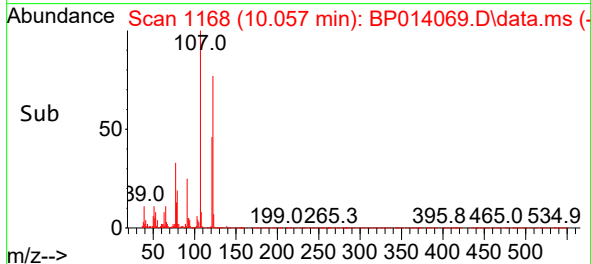
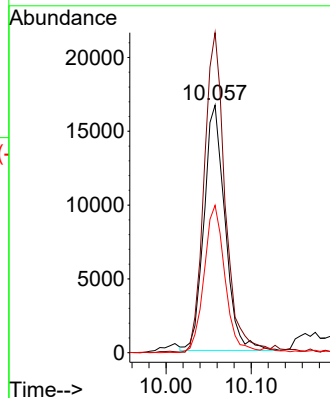
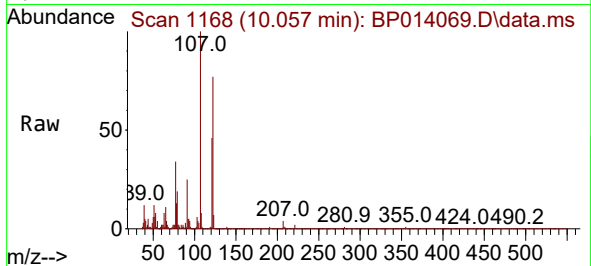
Tgt Ion:122 Resp: 28603

Ion Ratio Lower Upper

122 100

107 129.3 105.9 158.9

121 59.5 49.0 73.4



#28

bis(2-Chloroethoxy)methane

Concen: 3.663 ng

RT: 10.293 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

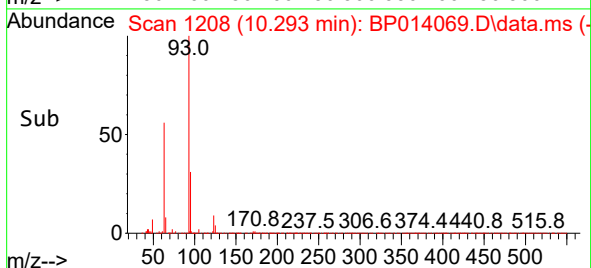
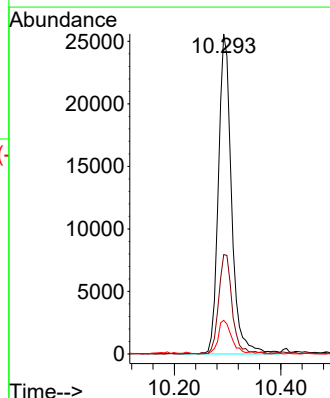
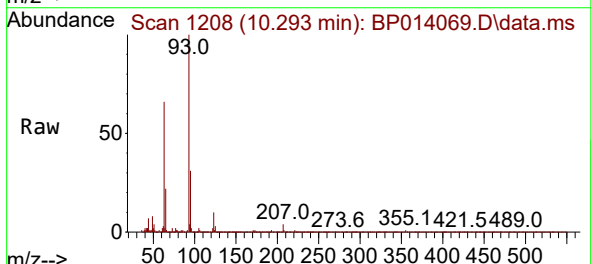
Tgt Ion: 93 Resp: 43804

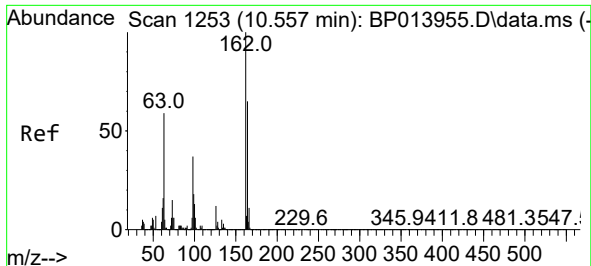
Ion Ratio Lower Upper

93 100

95 31.0 25.0 37.6

123 10.5 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 3.158 ng

RT: 10.546 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

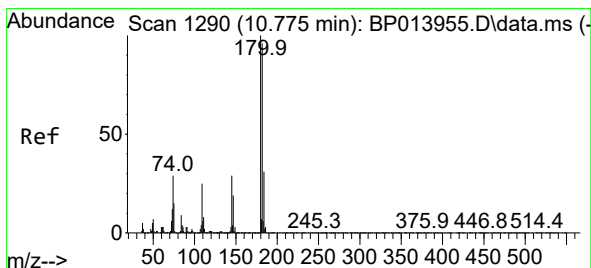
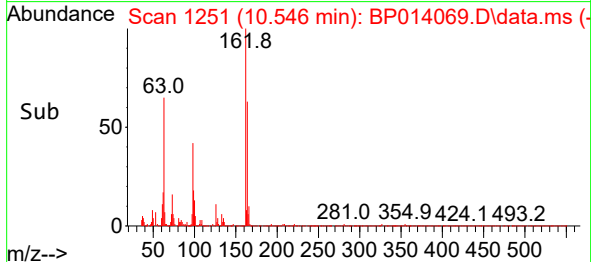
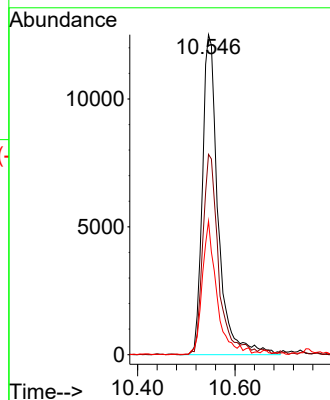
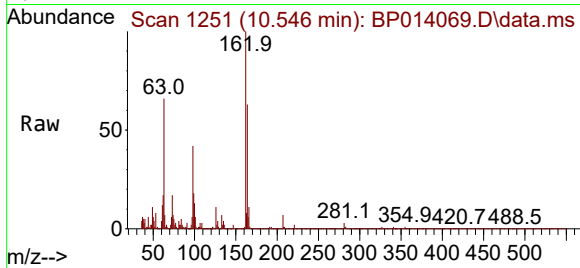
Tgt Ion:162 Resp: 28050

Ion Ratio Lower Upper

162 100

164 62.6 44.7 84.7

98 41.8 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 3.689 ng

RT: 10.757 min Scan# 1287

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

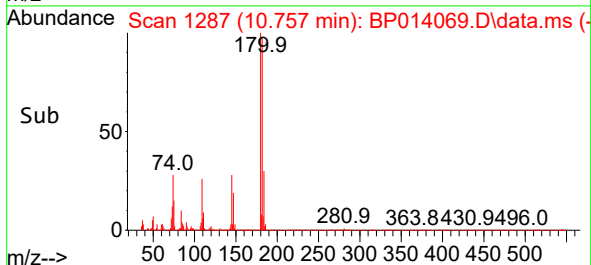
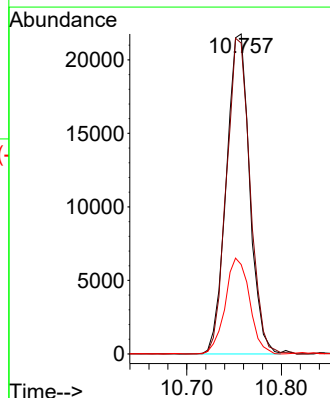
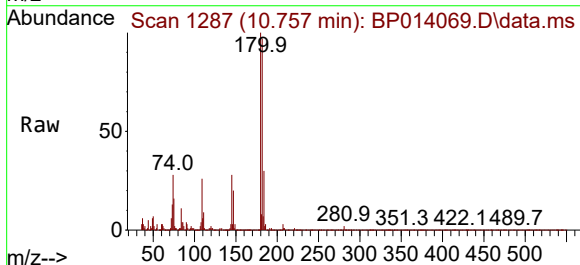
Tgt Ion:180 Resp: 37206

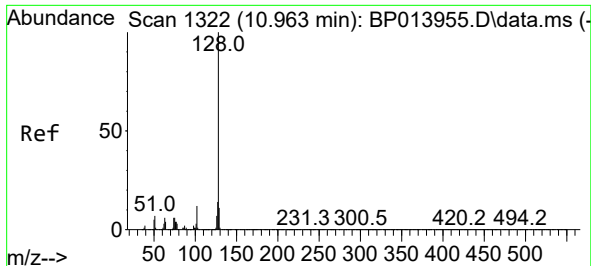
Ion Ratio Lower Upper

180 100

182 97.1 76.6 114.8

145 28.0 23.5 35.3

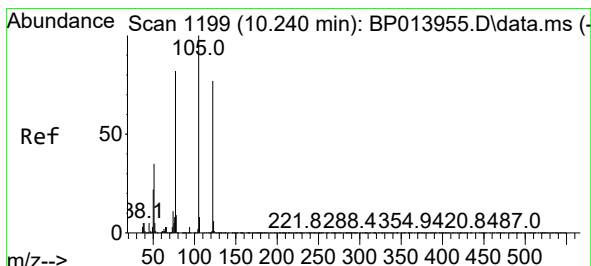
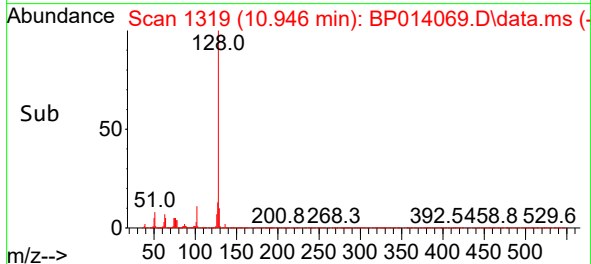
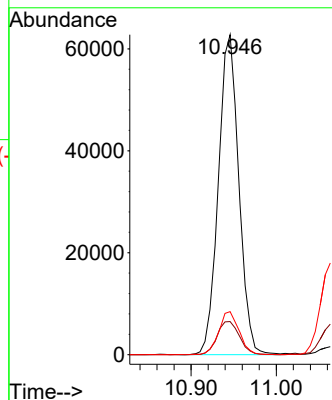
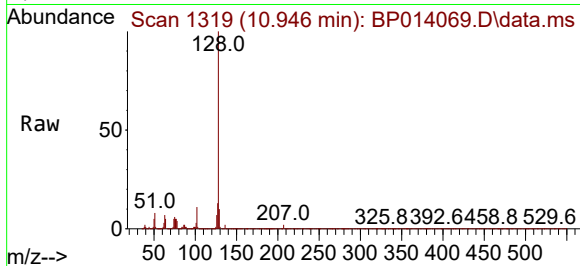




#31
Naphthalene
Concen: 3.723 ng
RT: 10.946 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

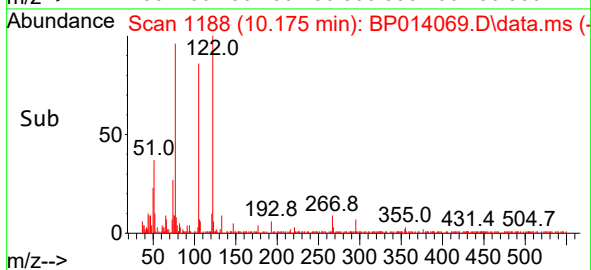
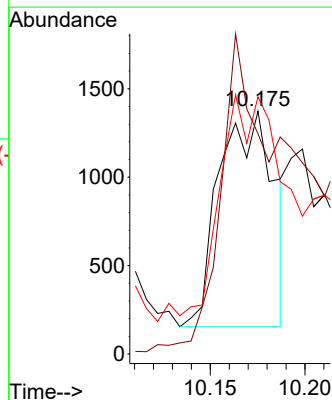
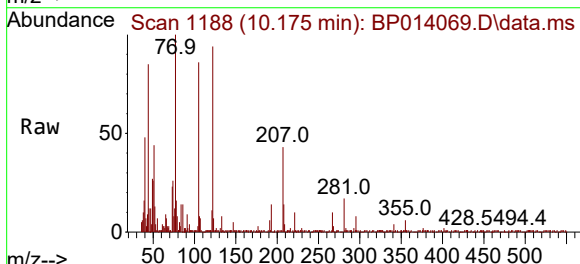
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

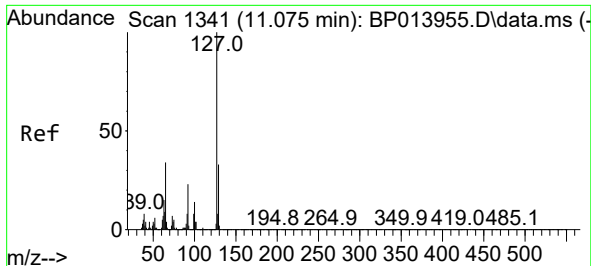
Tgt Ion:128 Resp: 104858
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.5 11.2 16.8



#32
Benzoic acid
Concen: 3.043 ng
RT: 10.175 min Scan# 1188
Delta R.T. -0.035 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:122 Resp: 2437
Ion Ratio Lower Upper
122 100
105 90.8 108.2 148.2#
77 105.9 85.2 125.2

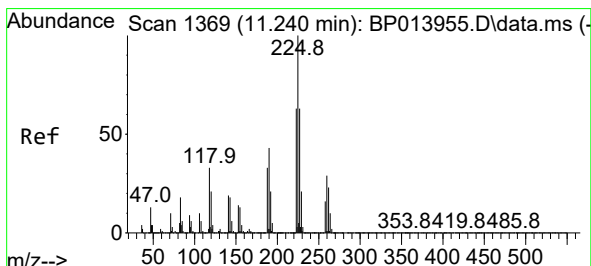
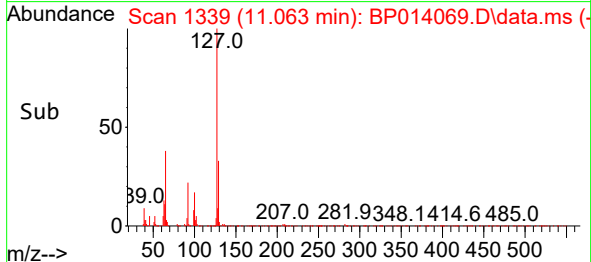
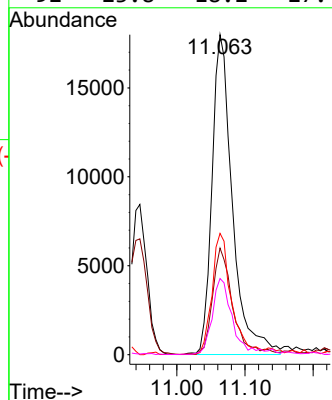
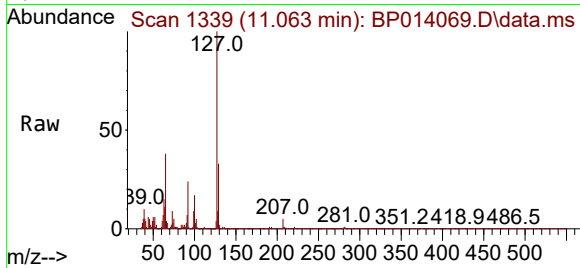




#33
4-Chloroaniline
Concen: 3.113 ng
RT: 11.063 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

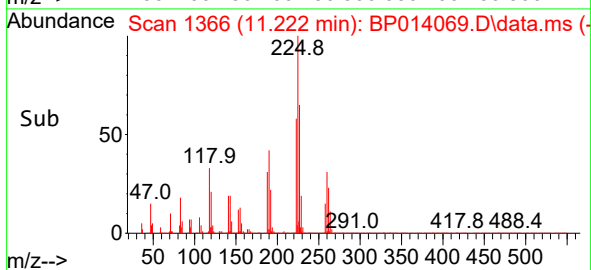
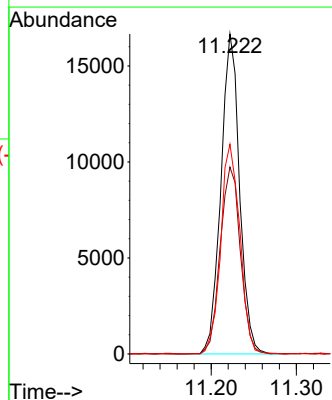
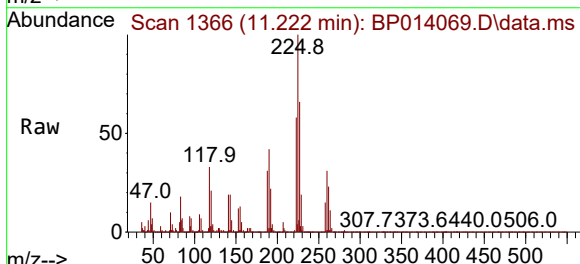
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

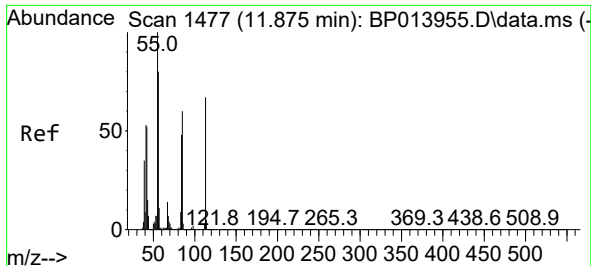
Tgt Ion:	127	Resp:	37585
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.2	39.2
65	37.9	27.0	40.4
92	23.8	18.2	27.4



#34
Hexachlorobutadiene
Concen: 3.460 ng
RT: 11.222 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:	225	Resp:	25370
Ion	Ratio	Lower	Upper
225	100		
223	58.4	50.6	76.0
227	65.5	50.2	75.4

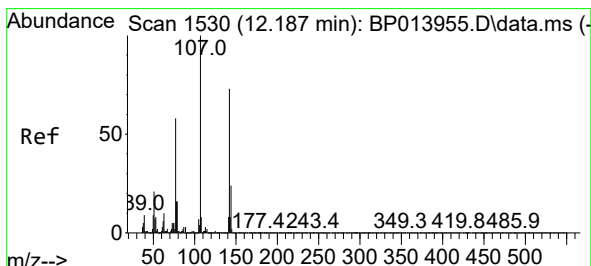
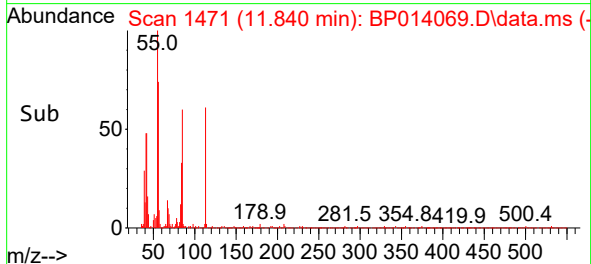
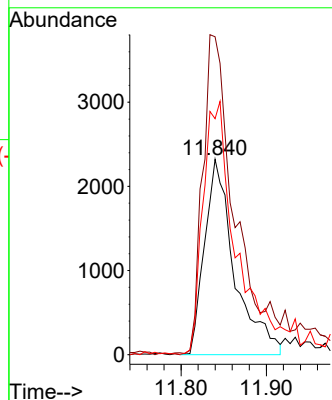
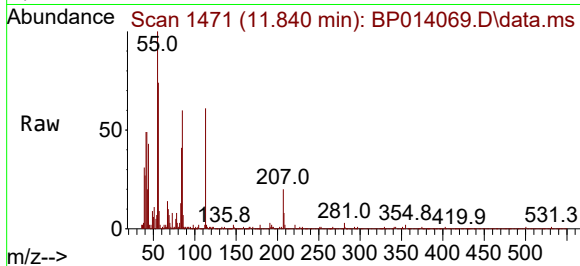




#35
Caprolactam
Concen: 2.241 ng
RT: 11.840 min Scan# 1477
Delta R.T. -0.017 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

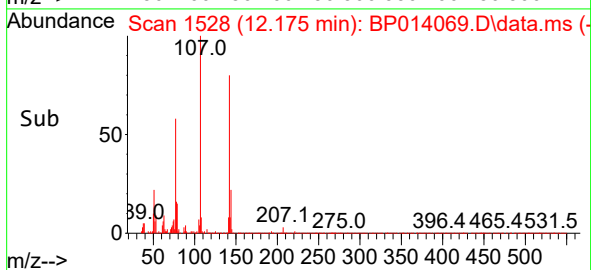
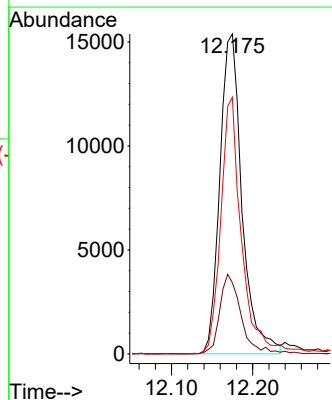
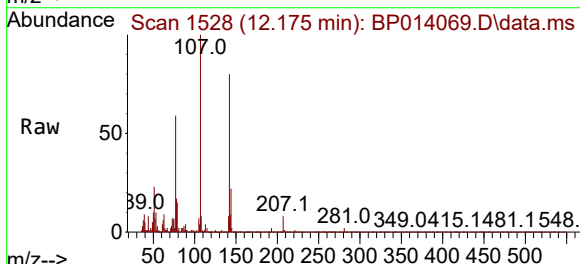
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

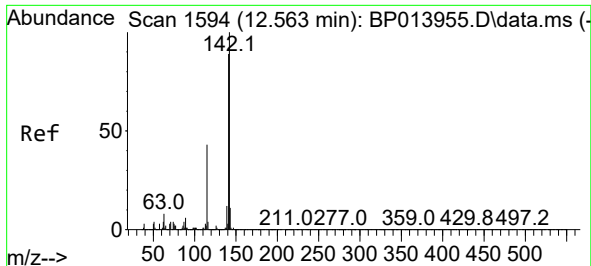
Tgt Ion:113 Resp: 5698
Ion Ratio Lower Upper
113 100
55 162.8 128.9 168.9
56 120.9 99.6 139.6



#36
4-Chloro-3-methylphenol
Concen: 2.949 ng
RT: 12.175 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:107 Resp: 29218
Ion Ratio Lower Upper
107 100
144 22.2 19.3 28.9
142 80.2 58.5 87.7

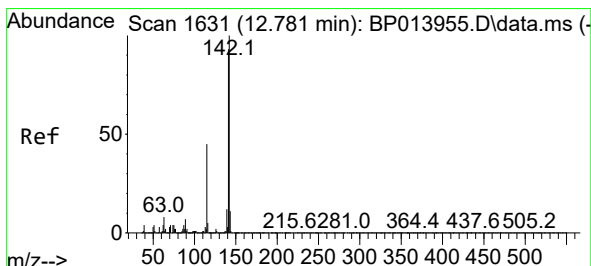
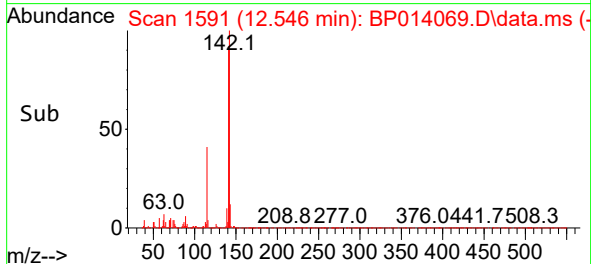
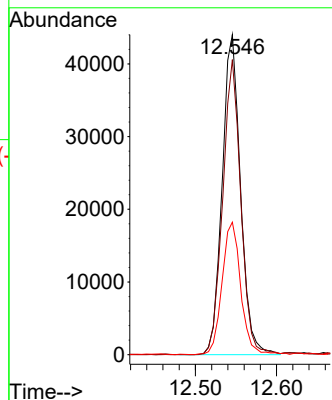
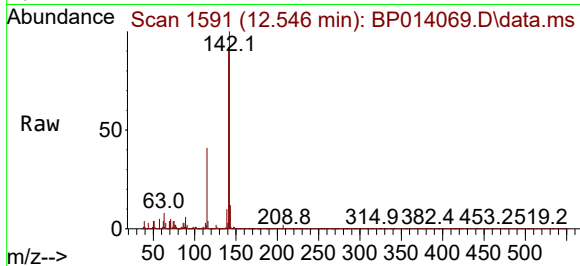




#37
2-Methylnaphthalene
Concen: 3.331 ng
RT: 12.546 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

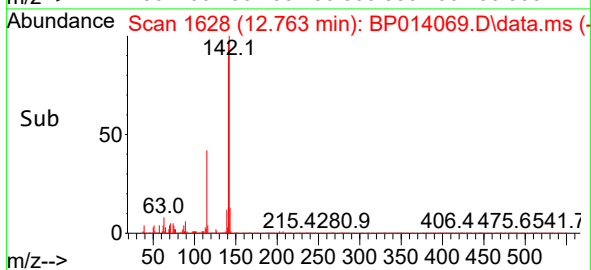
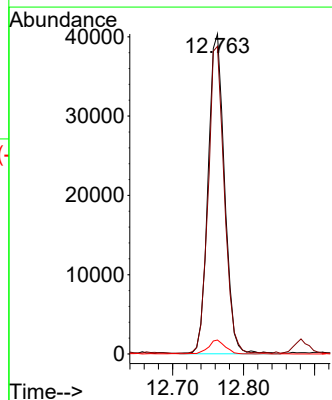
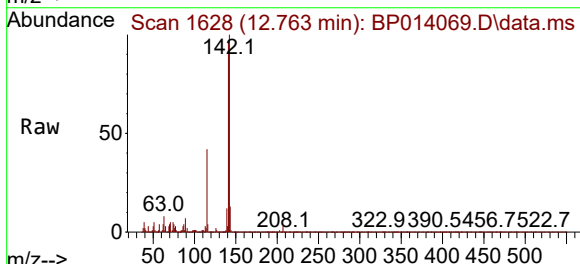
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

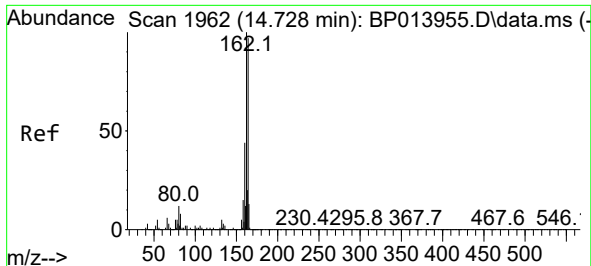
Tgt Ion:142 Resp: 69209
Ion Ratio Lower Upper
142 100
141 92.2 71.0 106.4
115 41.4 34.5 51.7



#38
1-Methylnaphthalene
Concen: 3.354 ng
RT: 12.763 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:142 Resp: 64950
Ion Ratio Lower Upper
142 100
141 96.2 74.4 111.6
116 4.4 3.6 5.4

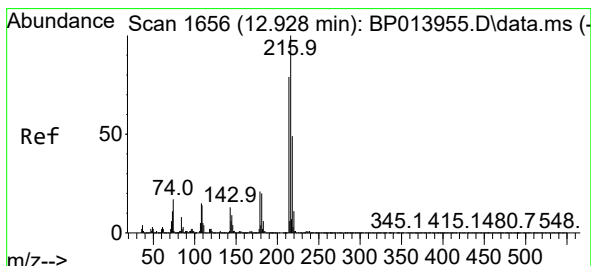
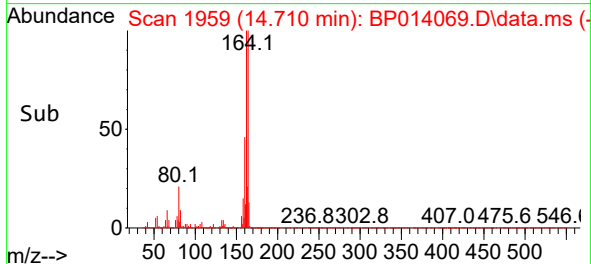
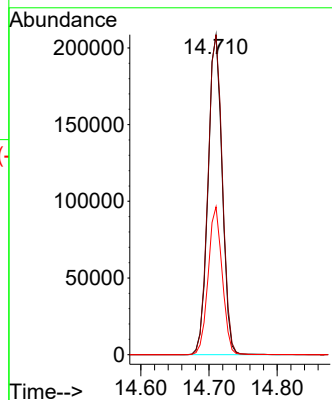
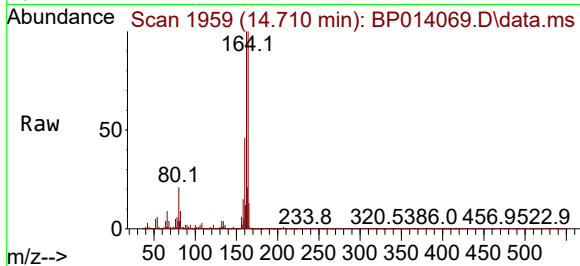




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

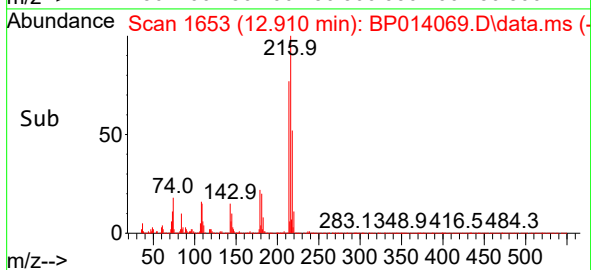
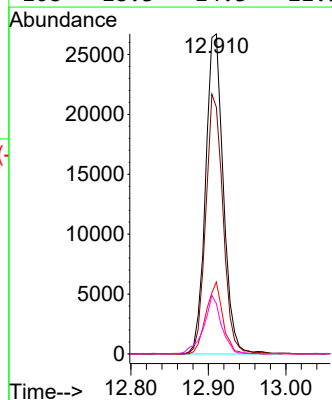
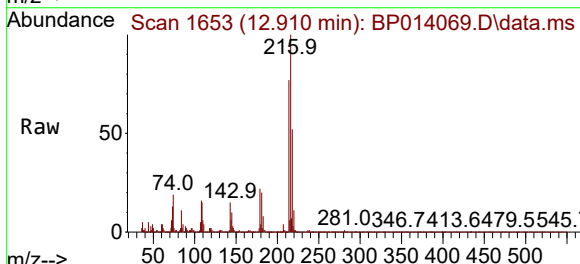
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

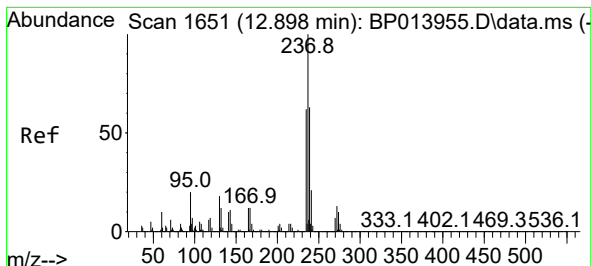
Tgt Ion:164 Resp: 299663
Ion Ratio Lower Upper
164 100
162 100.1 82.1 123.1
160 46.3 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.720 ng
RT: 12.910 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:216 Resp: 42487
Ion Ratio Lower Upper
216 100
214 79.1 62.2 93.2
179 21.3 16.6 24.8
108 18.3 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 2.870 ng

RT: 12.881 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

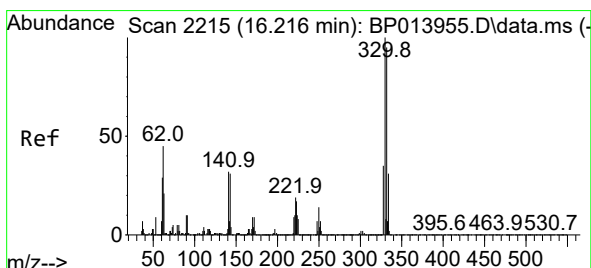
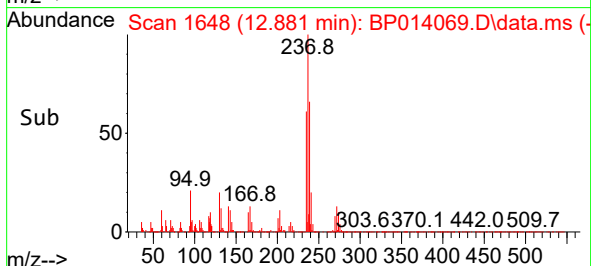
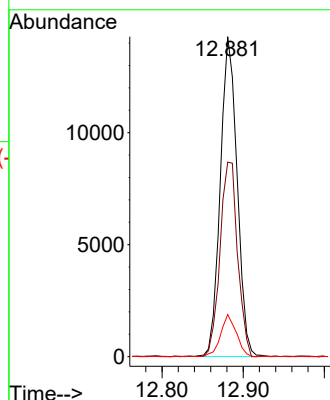
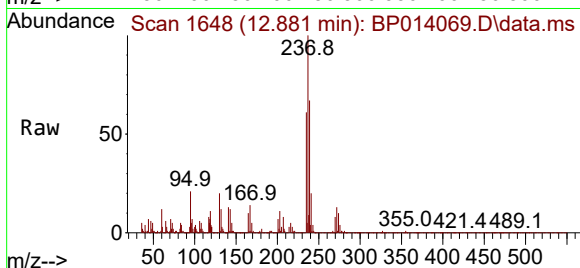
Tgt Ion:237 Resp: 20571

Ion Ratio Lower Upper

237 100

235 60.8 41.9 81.9

272 13.1 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 98.399 ng

RT: 16.198 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

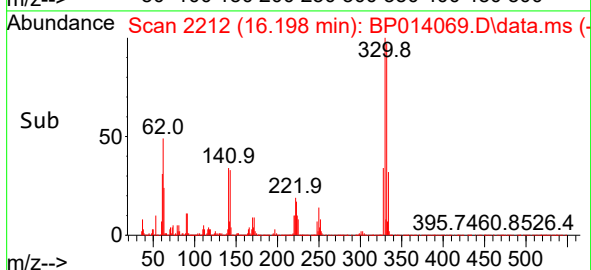
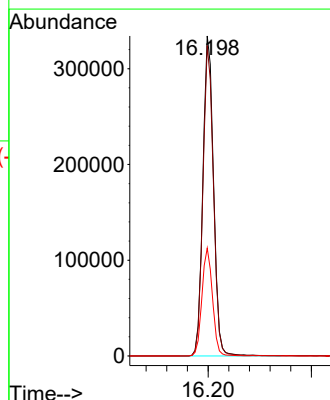
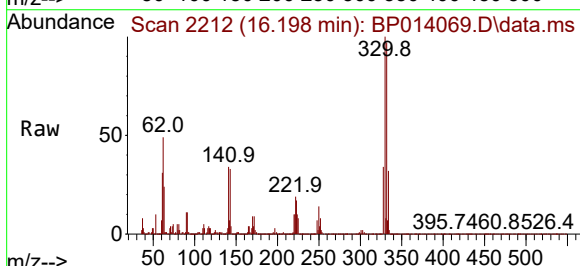
Tgt Ion:330 Resp: 478079

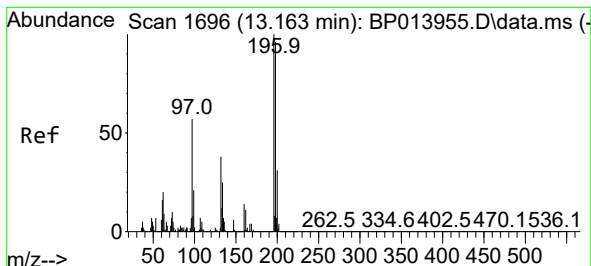
Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

141 33.2 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 3.052 ng

RT: 13.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

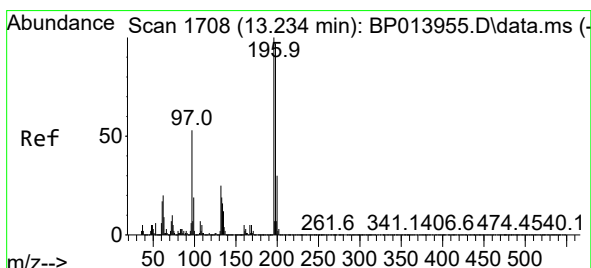
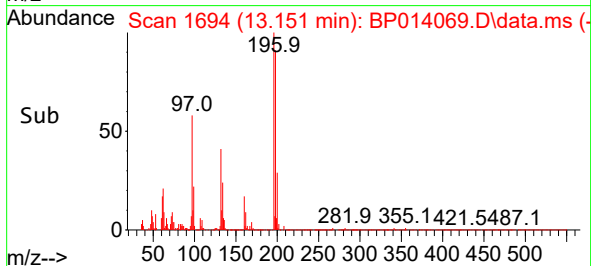
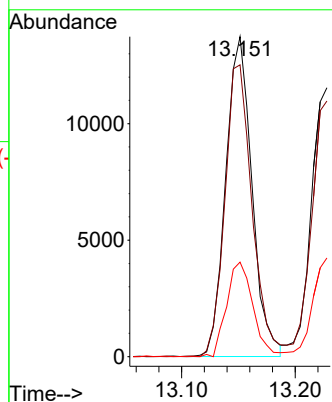
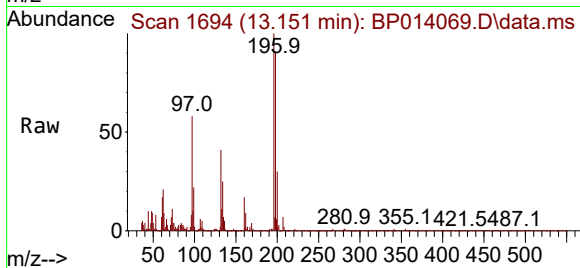
Tgt Ion:196 Resp: 22034

Ion Ratio Lower Upper

196 100

198 91.2 76.7 115.1

200 29.5 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 2.737 ng

RT: 13.228 min Scan# 1707

Delta R.T. 0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:196 Resp: 22895

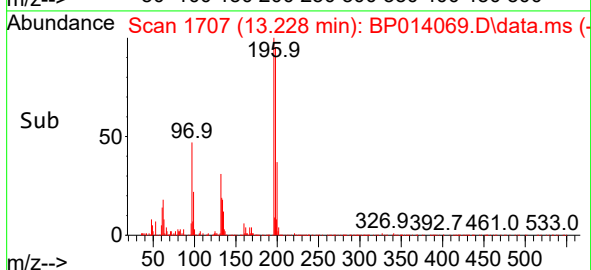
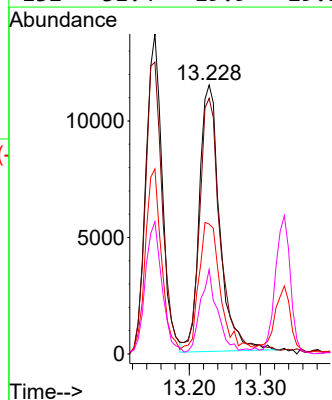
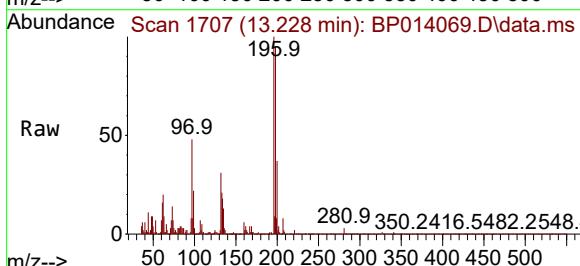
Ion Ratio Lower Upper

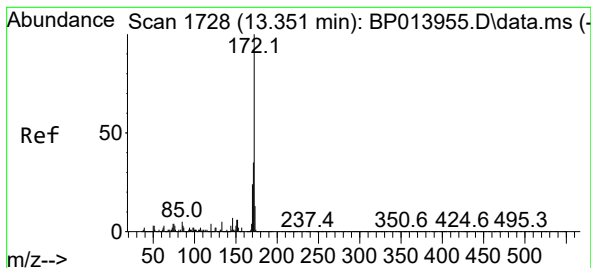
196 100

198 95.1 77.5 116.3

97 48.3 42.6 64.0

132 31.4 19.9 29.9#





#45

2-Fluorobiphenyl

Concen: 80.385 ng

RT: 13.334 min Scan# 1725

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

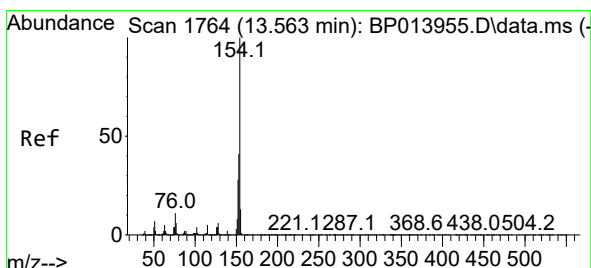
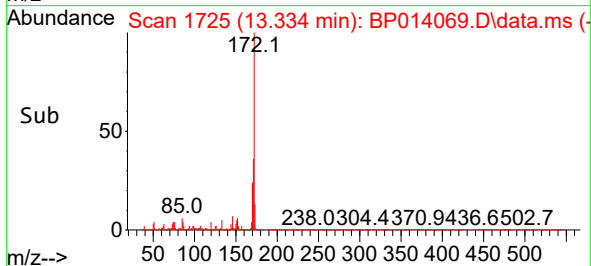
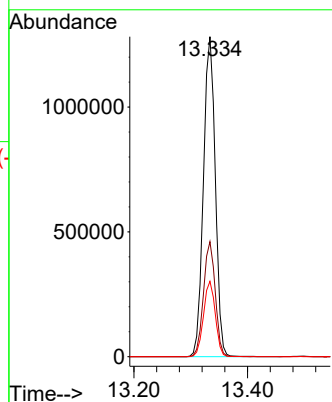
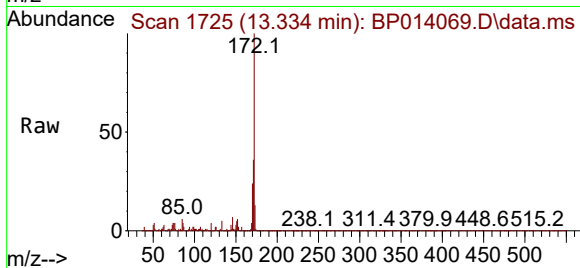
Tgt Ion:172 Resp: 1859275

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.6 19.0 28.4



#46

1,1'-Biphenyl

Concen: 3.925 ng

RT: 13.546 min Scan# 1761

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

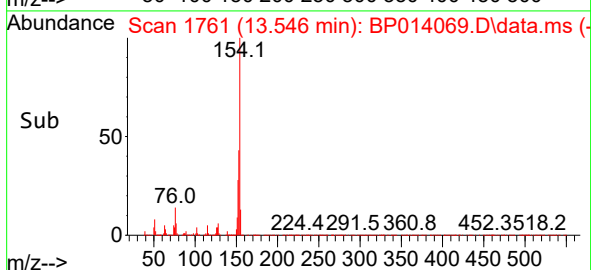
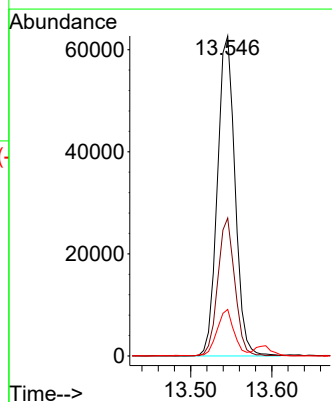
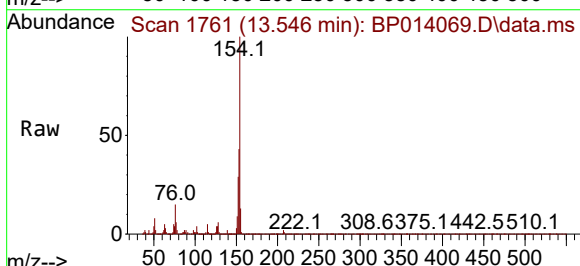
Tgt Ion:154 Resp: 94673

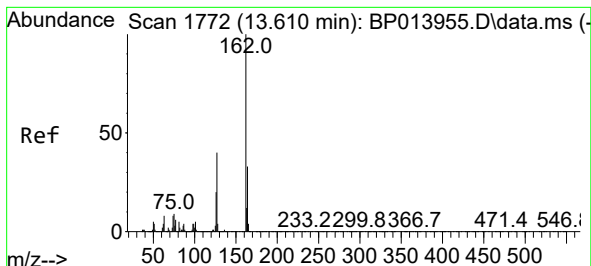
Ion Ratio Lower Upper

154 100

153 43.1 21.0 61.0

76 14.6 0.0 31.0





#47

2-Chloronaphthalene

Concen: 3.876 ng

RT: 13.587 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

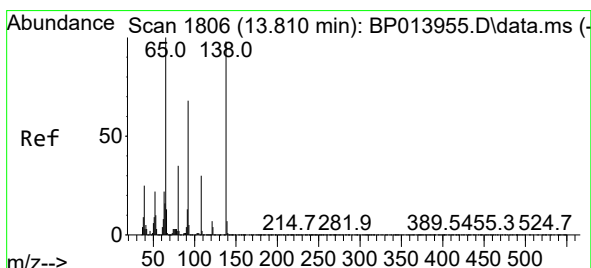
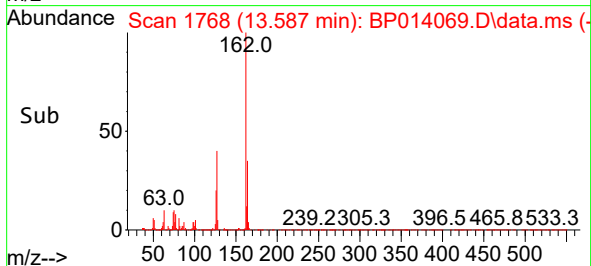
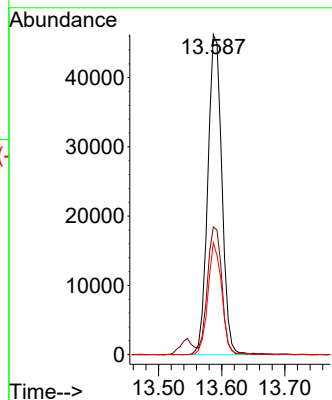
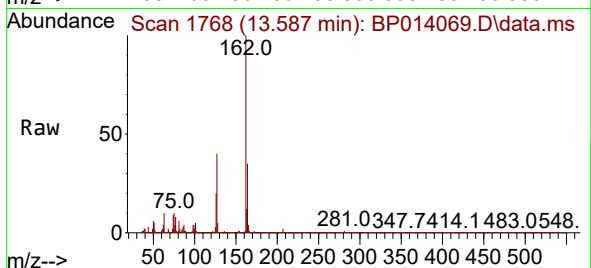
Tgt Ion:162 Resp: 71965

Ion Ratio Lower Upper

162 100

127 39.9 32.5 48.7

164 35.0 26.3 39.5



#48

2-Nitroaniline

Concen: 2.893 ng

RT: 13.798 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

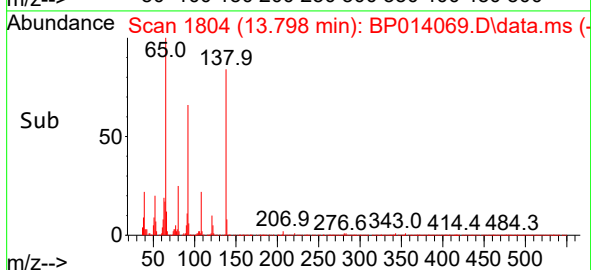
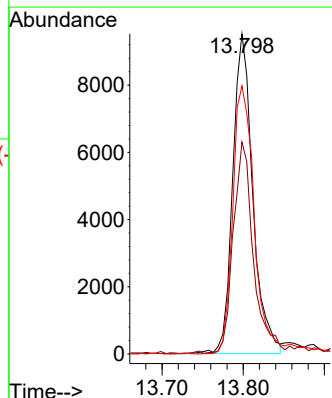
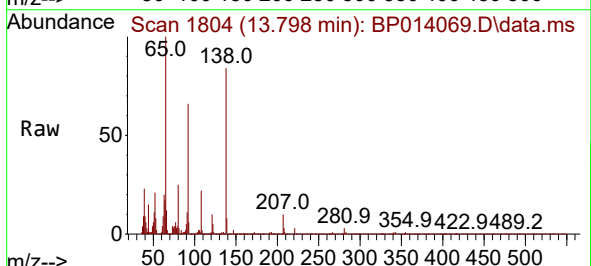
Tgt Ion: 65 Resp: 16304

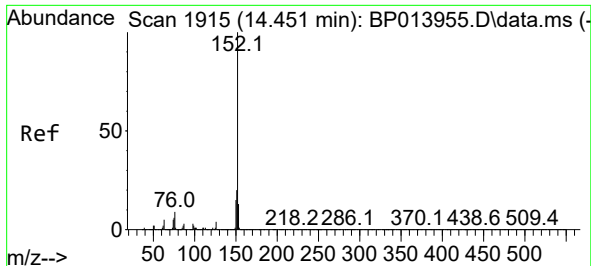
Ion Ratio Lower Upper

65 100

92 66.2 54.4 81.6

138 83.8 78.0 117.0

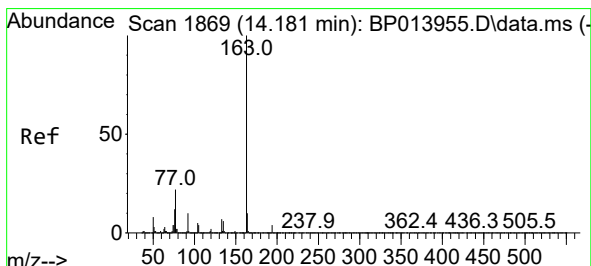
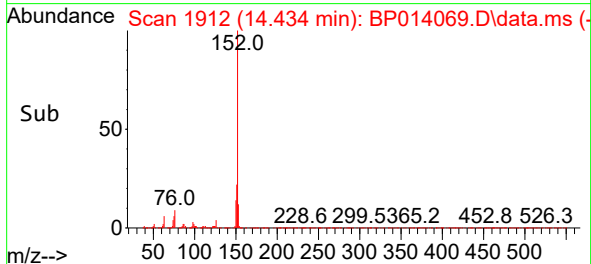
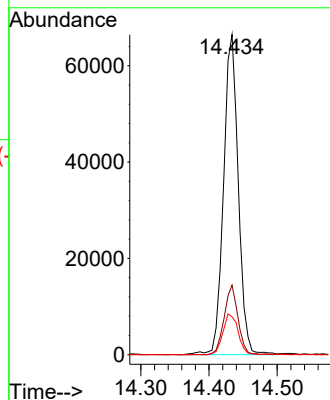
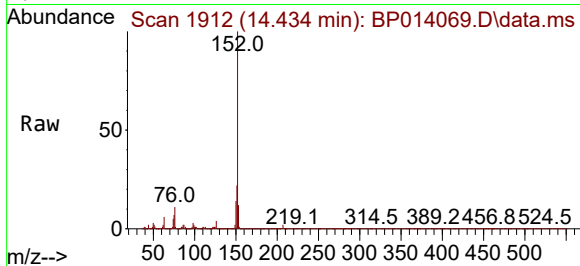




#49
Acenaphthylene
Concen: 3.387 ng
RT: 14.434 min Scan# 1912
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

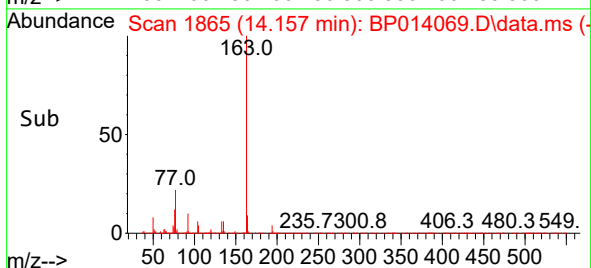
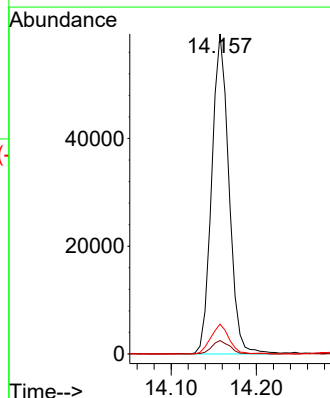
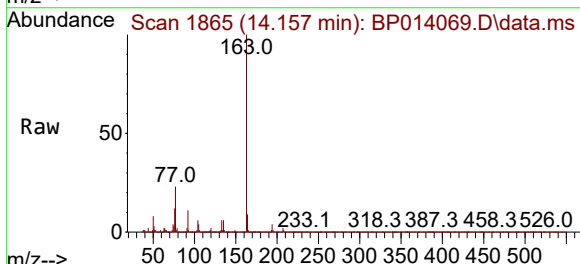
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

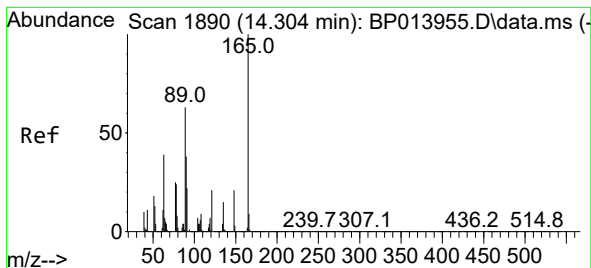
Tgt Ion:152 Resp: 100002
Ion Ratio Lower Upper
152 100
151 21.7 16.1 24.1
153 11.8 10.4 15.6



#50
Dimethylphthalate
Concen: 3.371 ng
RT: 14.157 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:163 Resp: 83331
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 2.903 ng

RT: 14.281 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

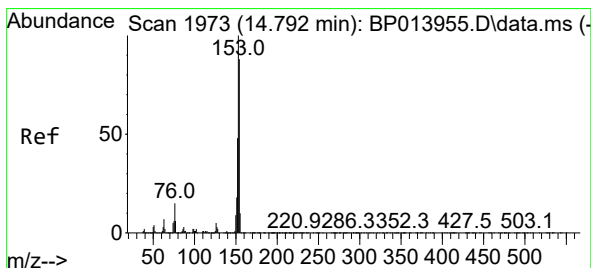
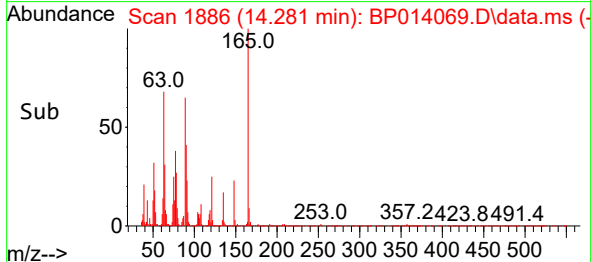
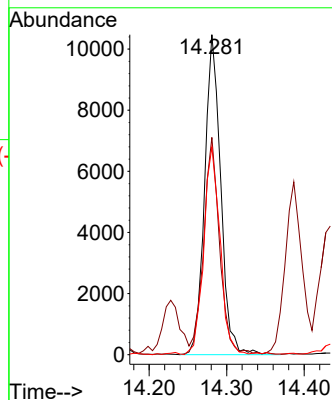
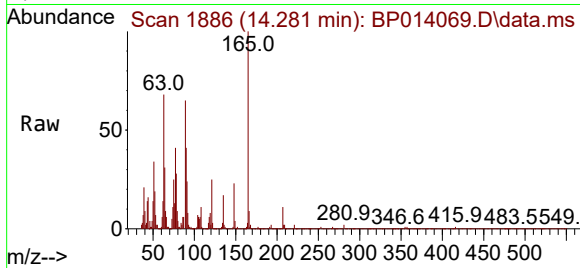
Tgt Ion:165 Resp: 15112

Ion Ratio Lower Upper

165 100

63 67.9 46.7 70.1

89 64.9 50.8 76.2



#52

Acenaphthene

Concen: 3.628 ng

RT: 14.769 min Scan# 1969

Delta R.T. -0.012 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

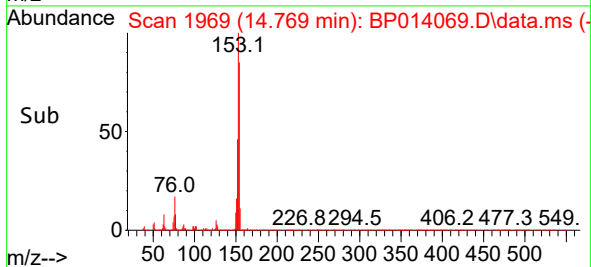
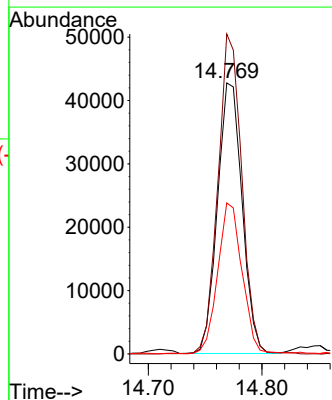
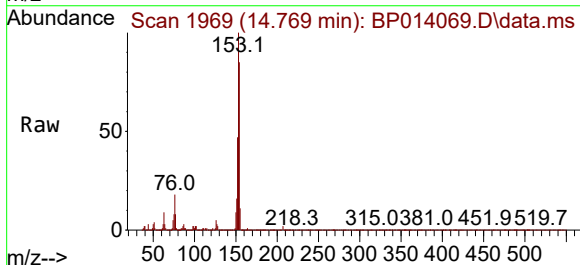
Tgt Ion:154 Resp: 64481

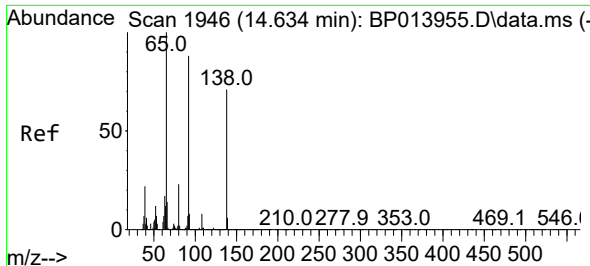
Ion Ratio Lower Upper

154 100

153 118.0 91.3 136.9

152 55.7 43.4 65.0

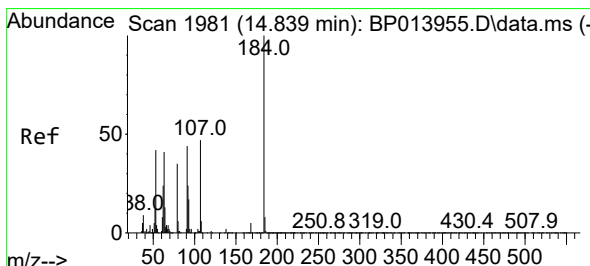
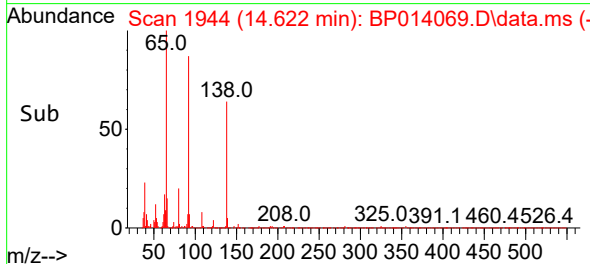
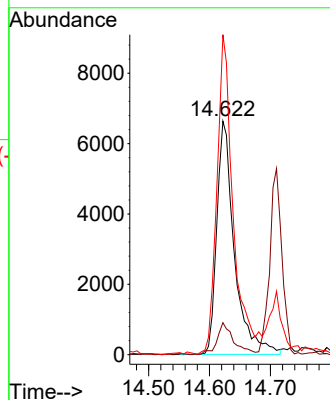
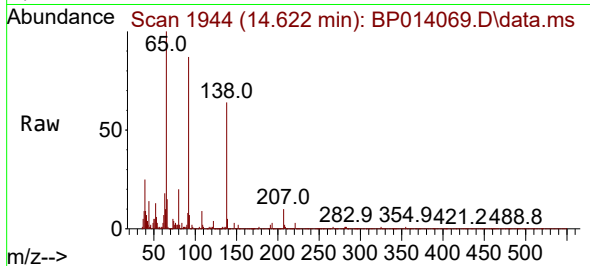




#53
3-Nitroaniline
Concen: 2.616 ng
RT: 14.622 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

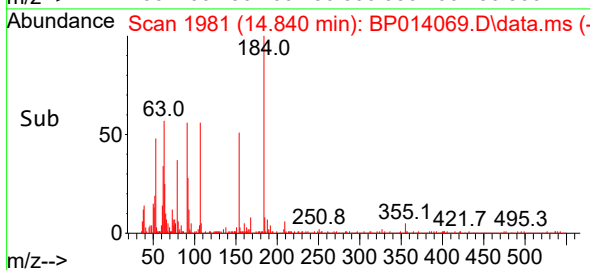
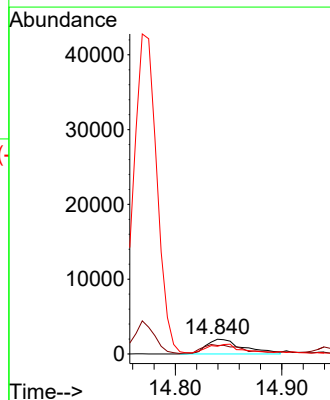
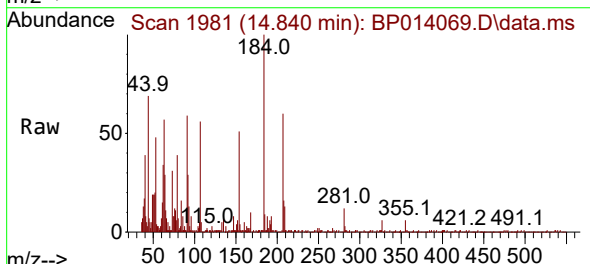
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

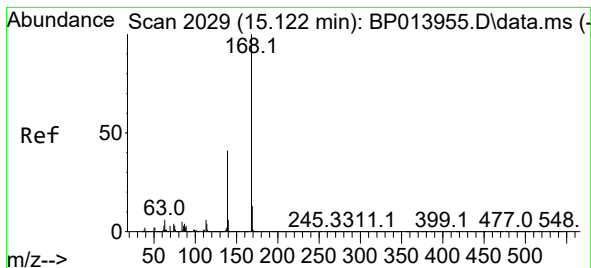
Tgt Ion:138 Resp: 13348
Ion Ratio Lower Upper
138 100
108 13.7 9.5 14.3
92 137.1 99.2 148.8



#54
2,4-Dinitrophenol
Concen: 4.259 ng
RT: 14.840 min Scan# 1981
Delta R.T. 0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:184 Resp: 4741
Ion Ratio Lower Upper
184 100
63 57.5 52.4 78.6
154 51.5 59.4 89.2#





#55

Dibenzenofuran

Concen: 3.638 ng

RT: 15.104 min Scan# 20

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

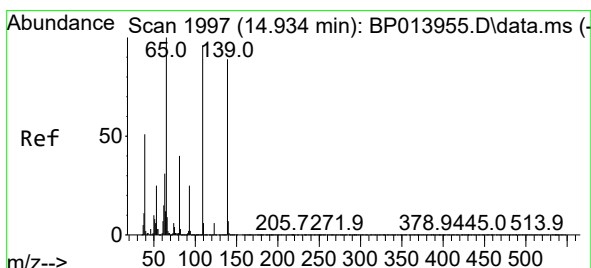
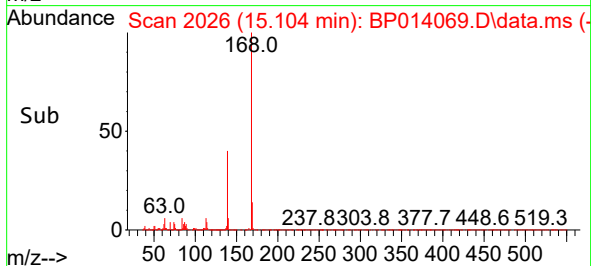
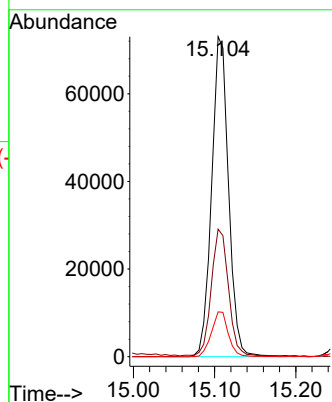
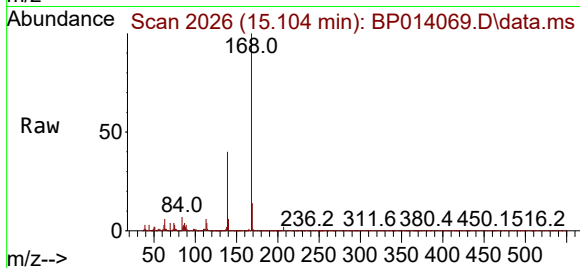
Tgt Ion:168 Resp: 105426

Ion Ratio Lower Upper

168 100

139 39.9 32.9 49.3

169 14.0 10.6 15.8



#56

4-Nitrophenol

Concen: 1.941 ng

RT: 14.945 min Scan# 1999

Delta R.T. 0.024 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

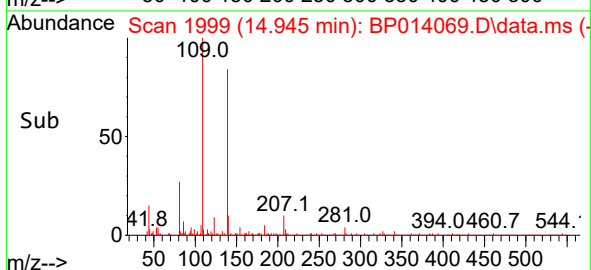
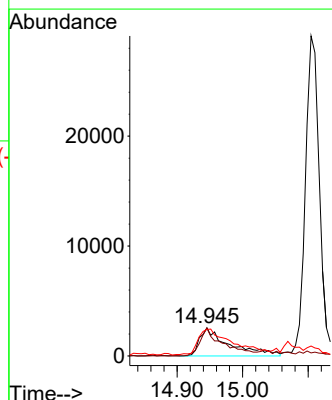
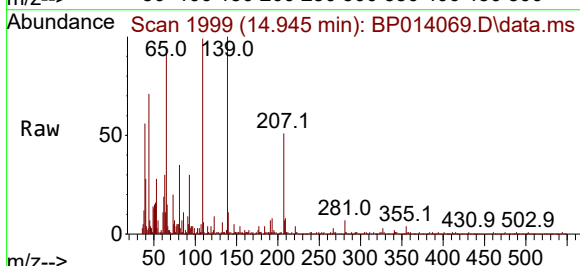
Tgt Ion:139 Resp: 8065

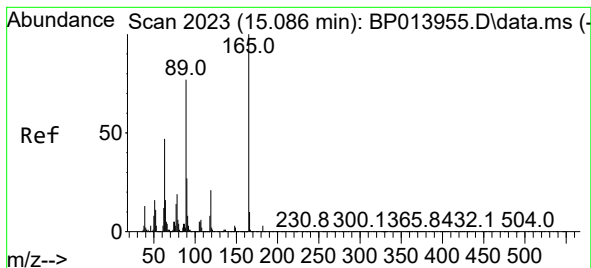
Ion Ratio Lower Upper

139 100

109 99.0 87.0 127.0

65 94.0 92.1 132.1





#57

2,4-Dinitrotoluene

Concen: 2.591 ng

RT: 15.075 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:165 Resp: 18034

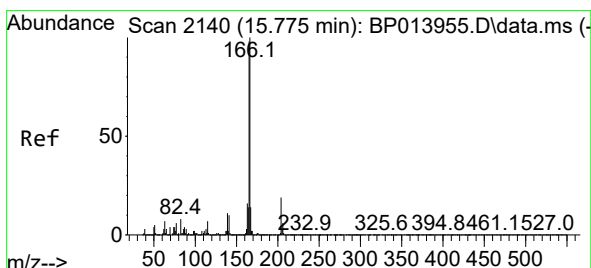
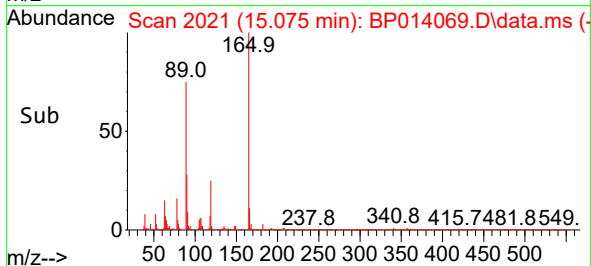
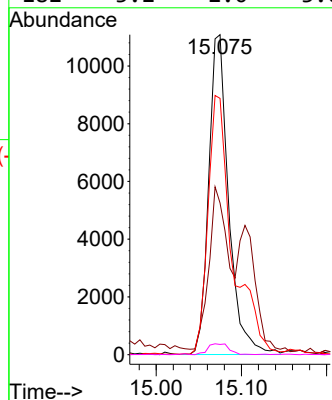
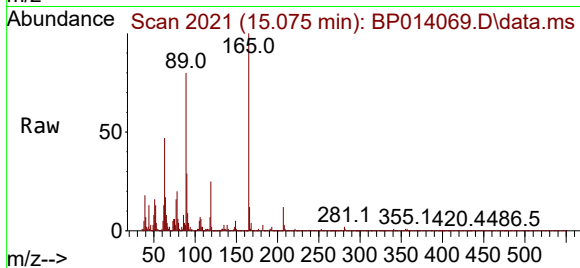
Ion Ratio Lower Upper

165 100

63 47.4 37.5 56.3

89 80.1 61.8 92.8

182 3.2 2.0 3.0#



#58

Fluorene

Concen: 3.472 ng

RT: 15.757 min Scan# 2137

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

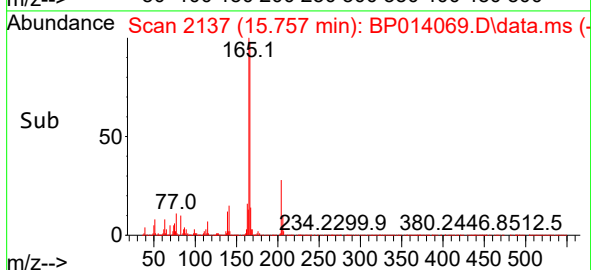
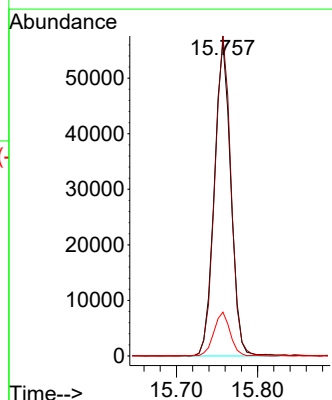
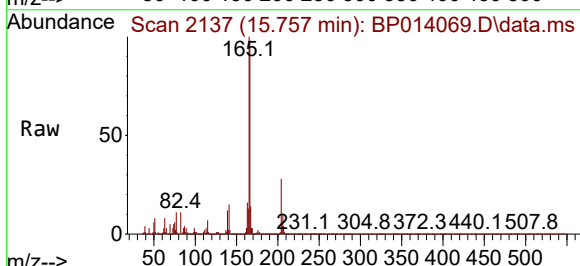
Tgt Ion:166 Resp: 79883

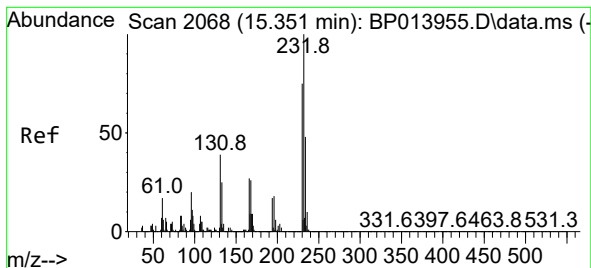
Ion Ratio Lower Upper

166 100

165 102.0 78.1 117.1

167 14.0 10.8 16.2

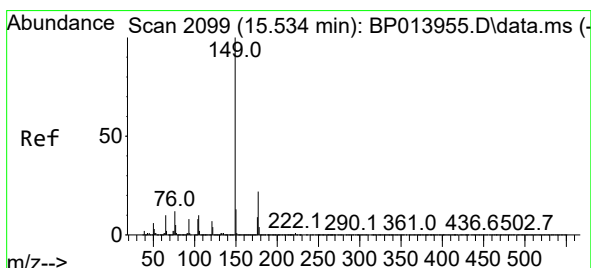
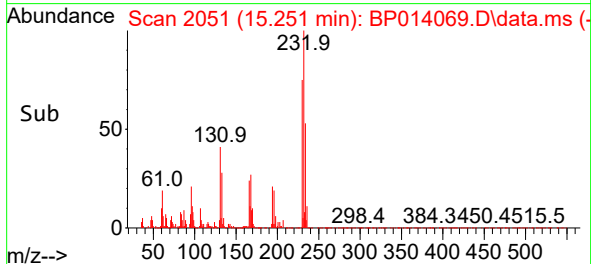
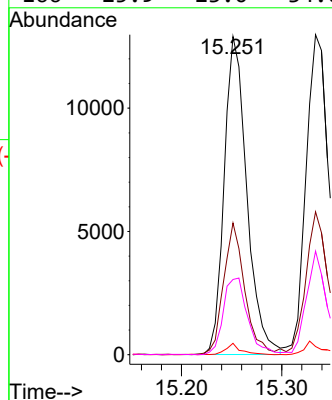
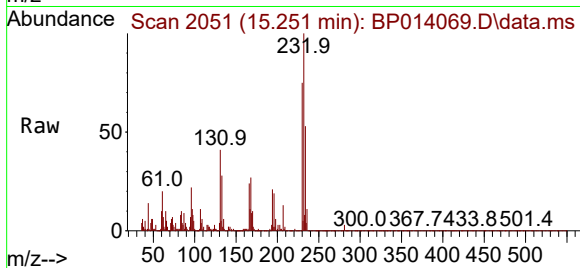




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.771 ng
RT: 15.251 min Scan# 20225
Delta R.T. -0.088 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

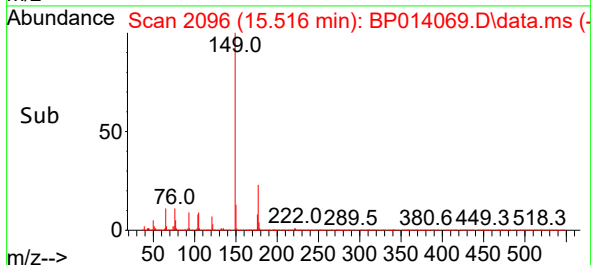
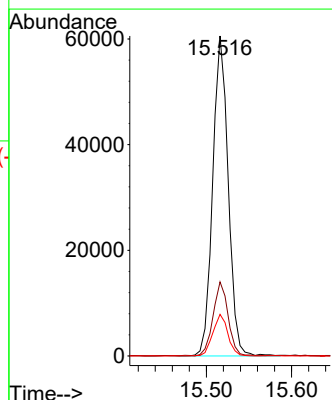
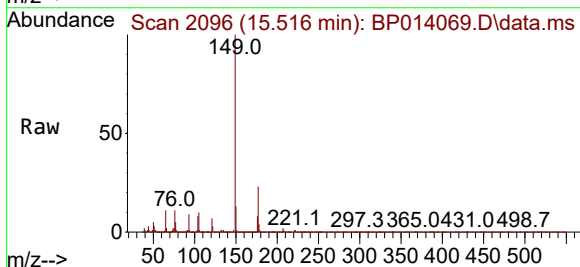
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

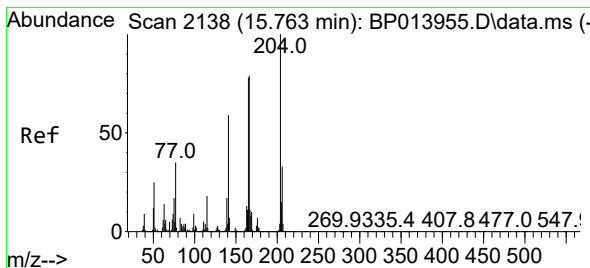
Tgt Ion:232	Resp:	20225
Ion Ratio	Lower	Upper
232	100	
131	38.3	32.5 48.7
130	2.4	1.9 2.9
166	25.9	23.0 34.6



#60
Diethylphthalate
Concen: 3.131 ng
RT: 15.516 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:149	Resp:	76415
Ion Ratio	Lower	Upper
149	100	
177	23.1	18.0 27.0
150	13.0	10.3 15.5

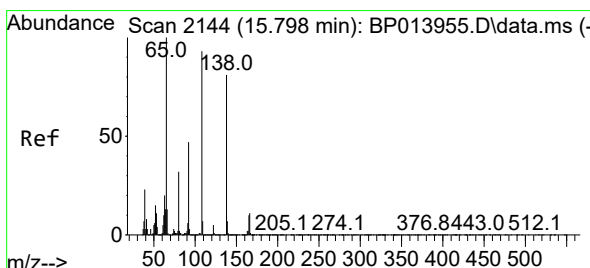
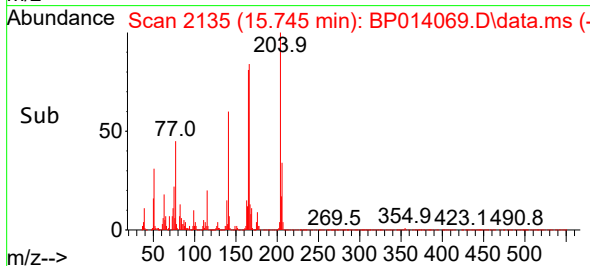
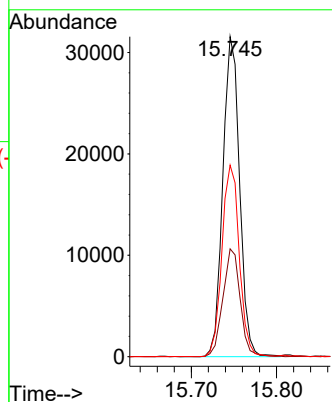
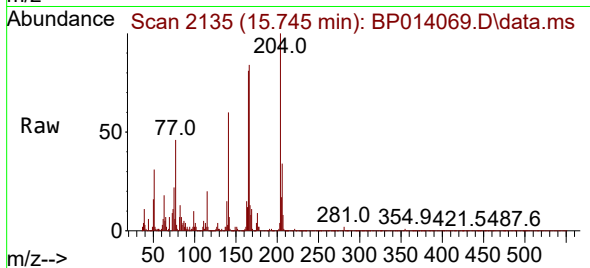




#61
4-Chlorophenyl-phenylether
Concen: 3.302 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

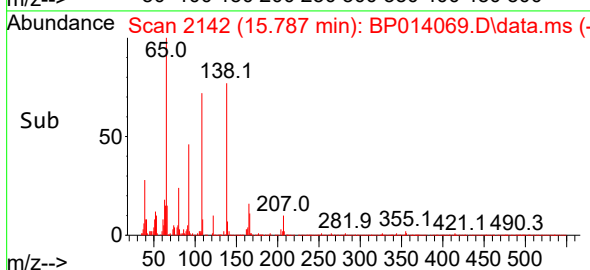
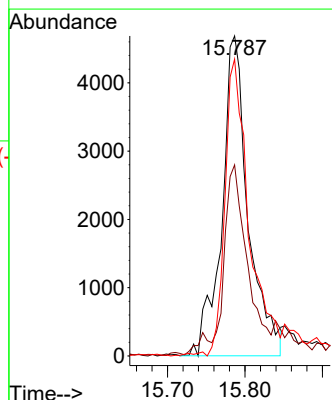
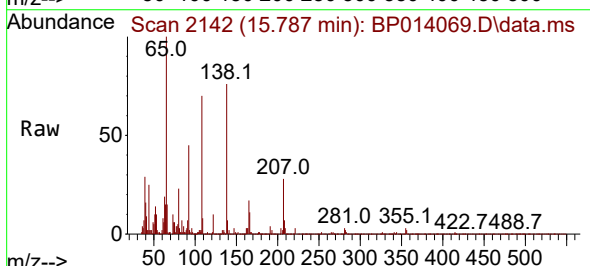
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

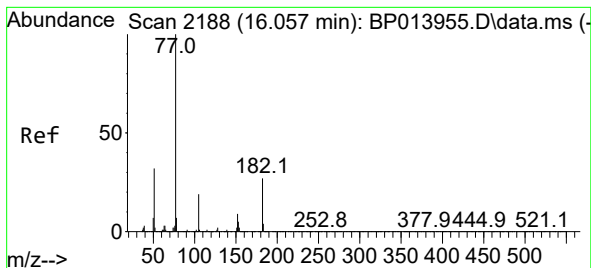
Tgt Ion:204 Resp: 43071
Ion Ratio Lower Upper
204 100
206 33.7 26.2 39.4
141 59.8 46.9 70.3



#62
4-Nitroaniline
Concen: 2.181 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:138 Resp: 11080
Ion Ratio Lower Upper
138 100
92 59.7 37.9 77.9
108 92.7 94.9 134.9#





#63

Azobenzene

Concen: 3.149 ng

RT: 16.040 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 77 Resp: 71118

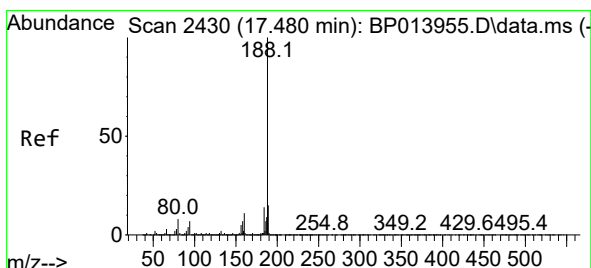
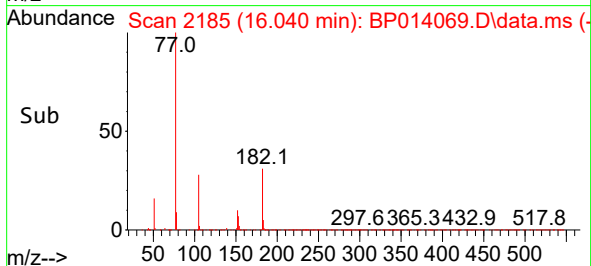
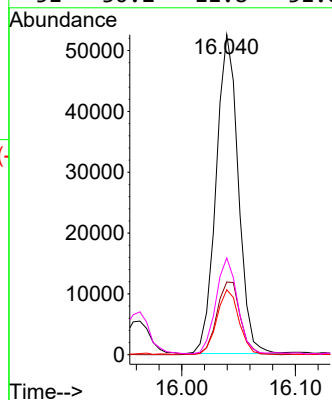
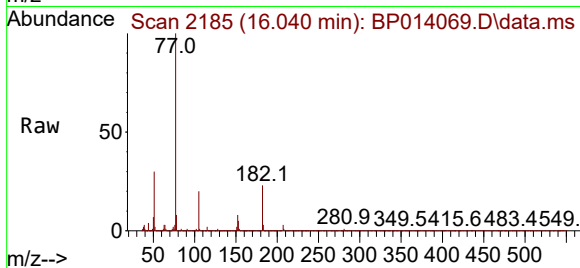
Ion Ratio Lower Upper

77 100

182 22.7 6.9 46.9

105 20.3 0.0 39.4

51 30.2 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: BP014069.D

Acq: 13 Mar 2023 18:33

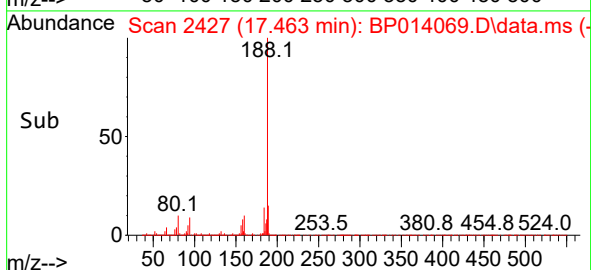
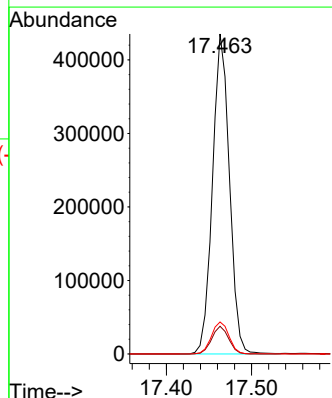
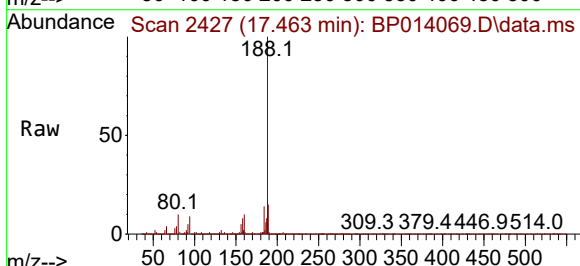
Tgt Ion: 188 Resp: 600423

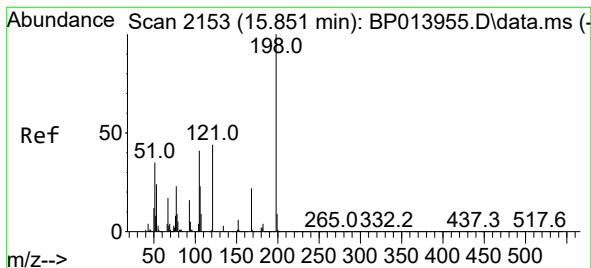
Ion Ratio Lower Upper

188 100

94 8.7 5.8 8.6#

80 10.0 6.6 9.8#

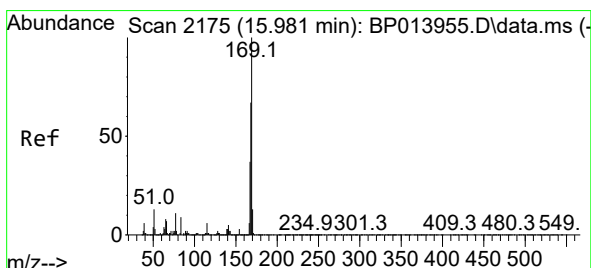
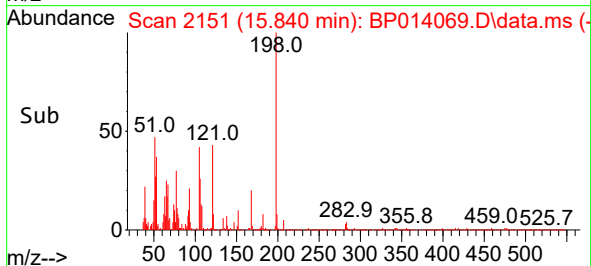
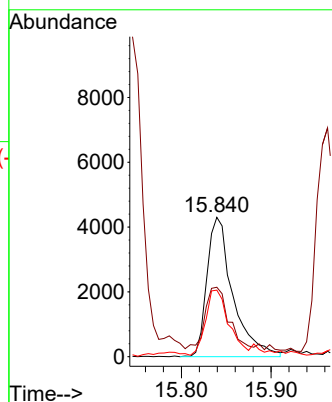
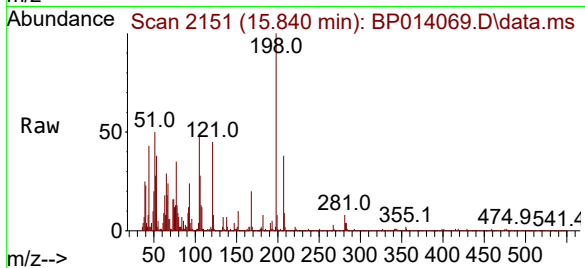




#65
4,6-Dinitro-2-methylphenol
Concen: 1.937 ng
RT: 15.840 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

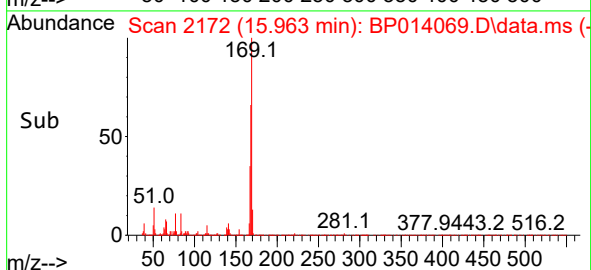
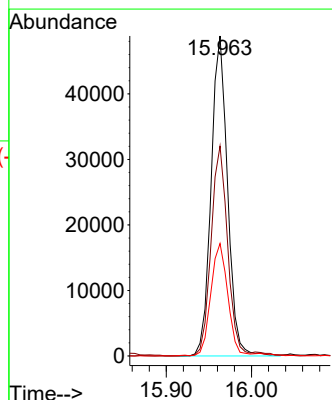
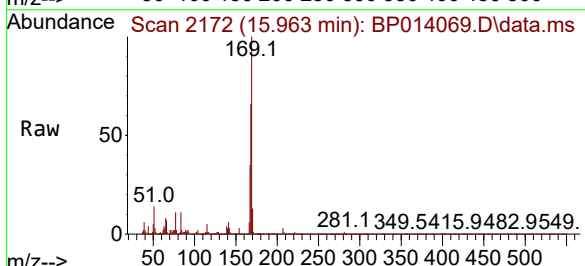
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

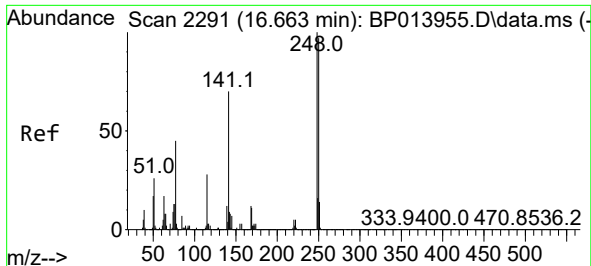
Tgt Ion:198 Resp: 8614
Ion Ratio Lower Upper
198 100
51 49.9 22.1 62.1
105 47.8 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 3.454 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:169 Resp: 65535
Ion Ratio Lower Upper
169 100
168 65.6 54.0 81.0
167 35.2 29.4 44.2

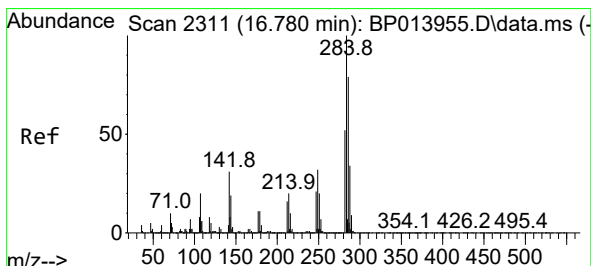
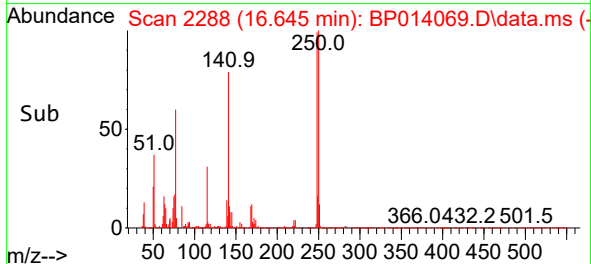
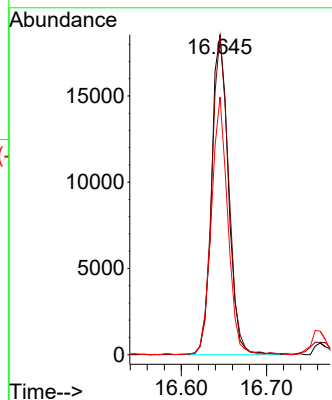
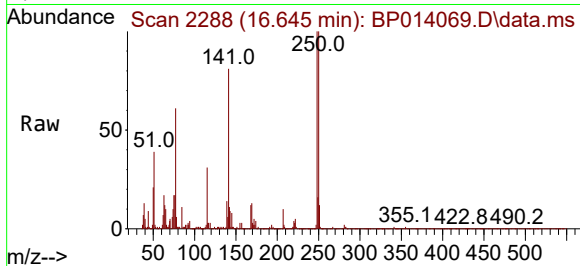




#67
4-Bromophenyl-phenylether
Concen: 3.178 ng
RT: 16.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

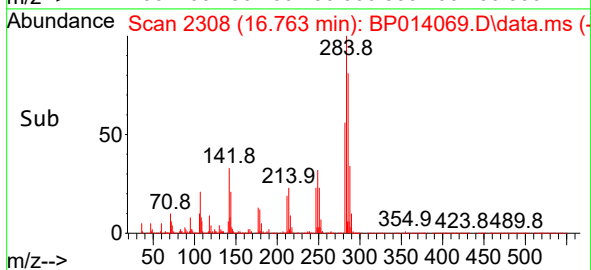
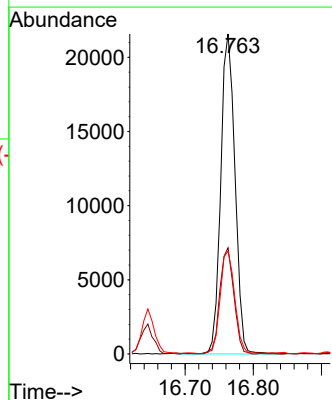
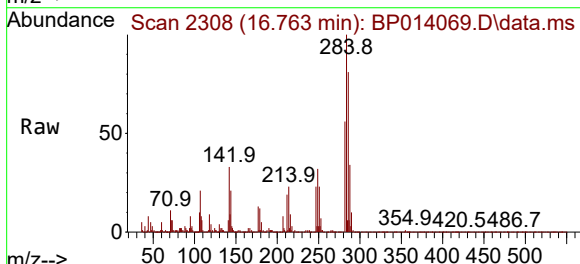
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

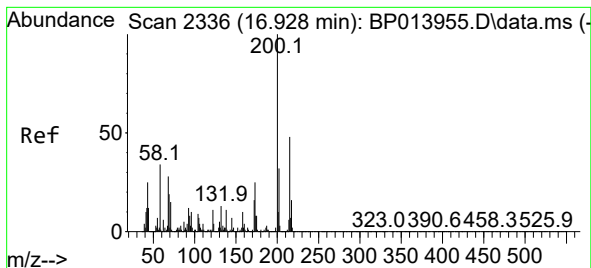
Tgt Ion:	248	Resp:	25240
Ion Ratio	Lower	Upper	
248	100		
250	100.3	77.9	116.9
141	80.7	56.0	84.0



#68
Hexachlorobenzene
Concen: 3.688 ng
RT: 16.763 min Scan# 2308
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:	284	Resp:	31398
Ion Ratio	Lower	Upper	
284	100		
142	33.2	24.8	37.2
249	35.5	25.7	38.5





#69

Atrazine

Concen: 3.333 ng

RT: 16.910 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

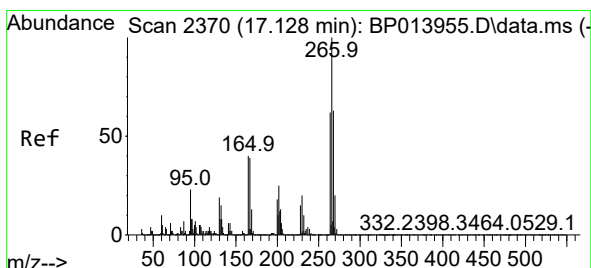
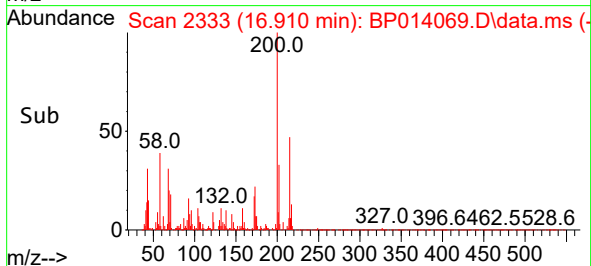
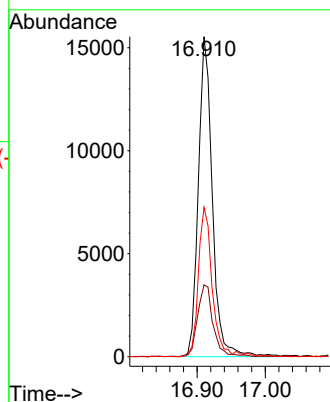
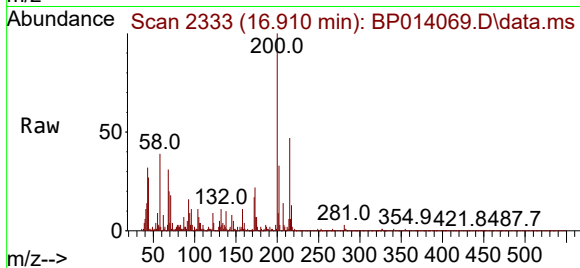
Tgt Ion:200 Resp: 22200

Ion Ratio Lower Upper

200 100

173 22.5 5.5 45.5

215 46.6 27.9 67.9



#70

Pentachlorophenol

Concen: 2.141 ng

RT: 17.116 min Scan# 2368

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

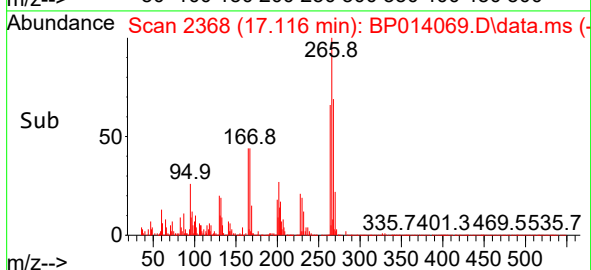
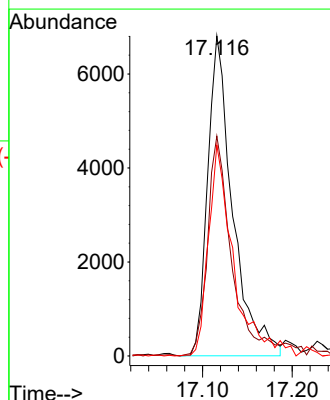
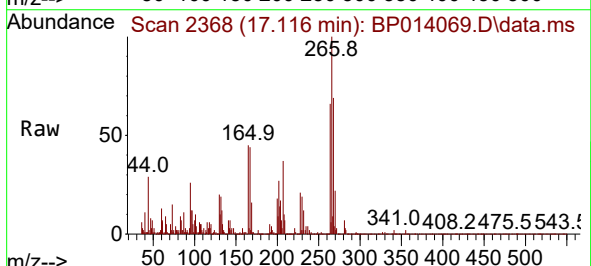
Tgt Ion:266 Resp: 13143

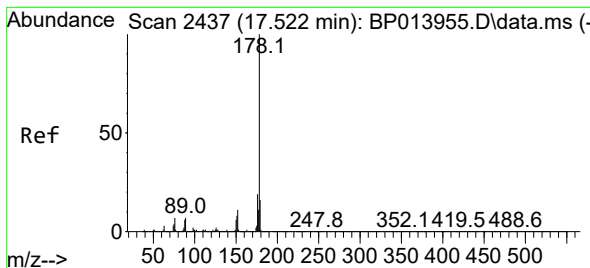
Ion Ratio Lower Upper

266 100

268 68.7 50.4 75.6

264 65.9 49.2 73.8





#71

Phenanthrene

Concen: 3.698 ng

RT: 17.504 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

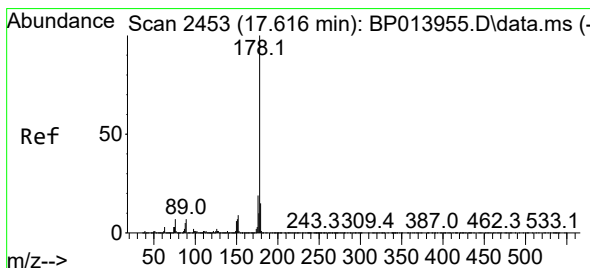
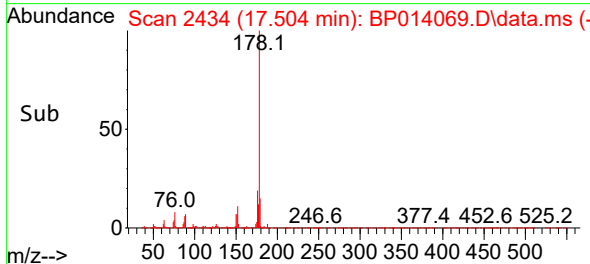
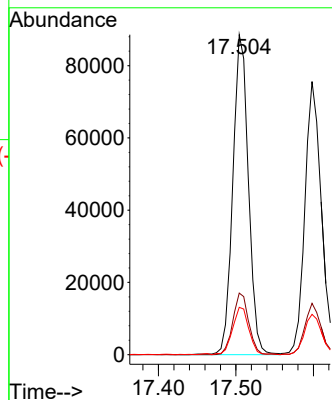
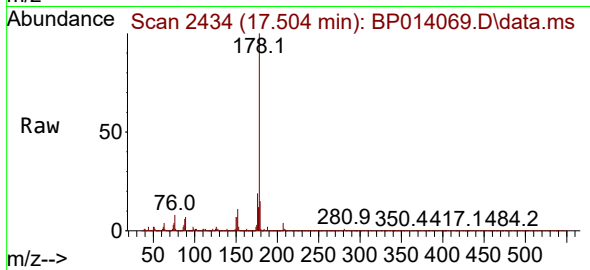
Tgt Ion:178 Resp: 124055

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 14.8 12.6 19.0



#72

Anthracene

Concen: 3.286 ng

RT: 17.598 min Scan# 2450

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

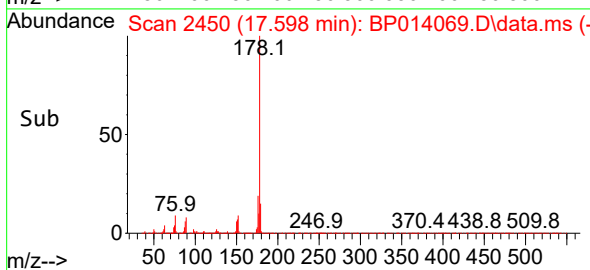
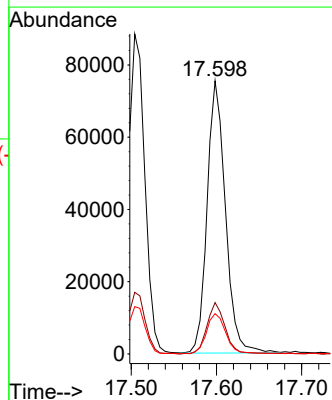
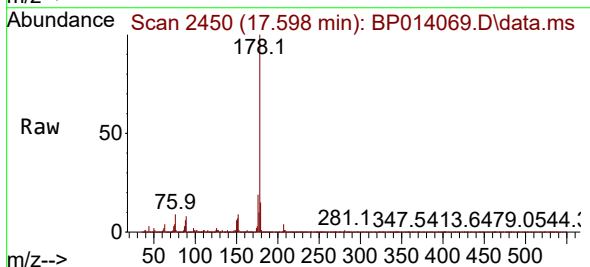
Tgt Ion:178 Resp: 112632

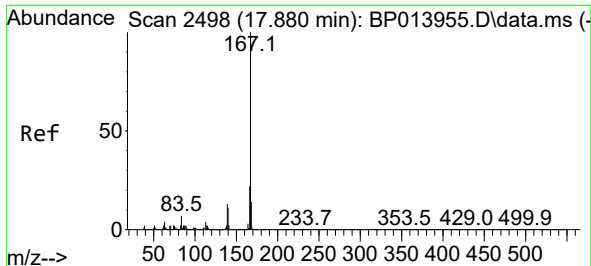
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 14.8 12.1 18.1

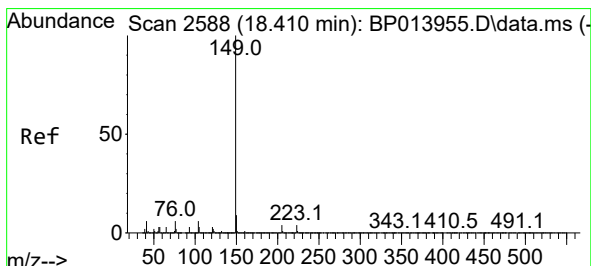
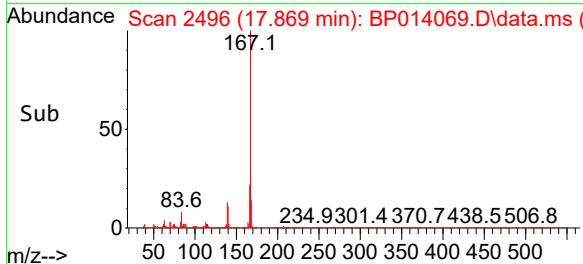
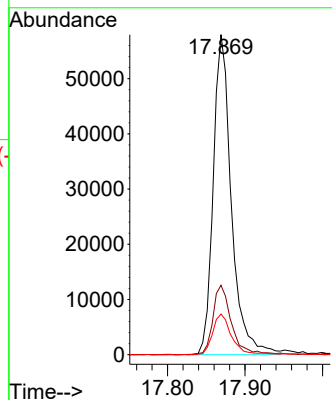
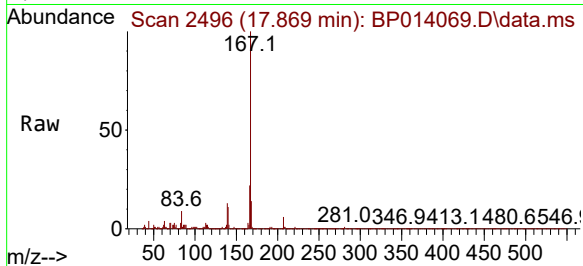




#73
 Carbazole
 Concen: 3.188 ng
 RT: 17.869 min Scan# 2496
 Delta R.T. 0.000 min
 Lab File: BP014069.D
 Acq: 13 Mar 2023 18:33

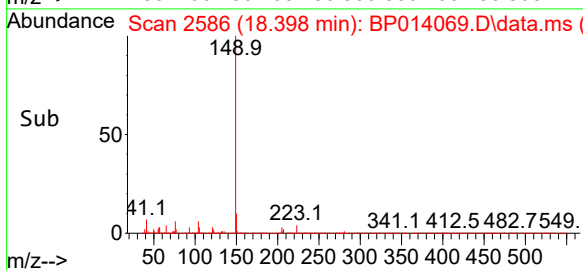
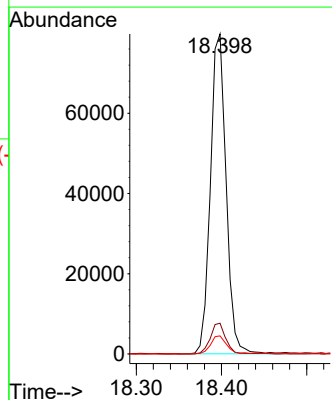
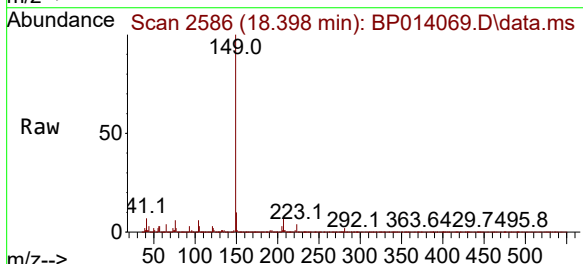
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

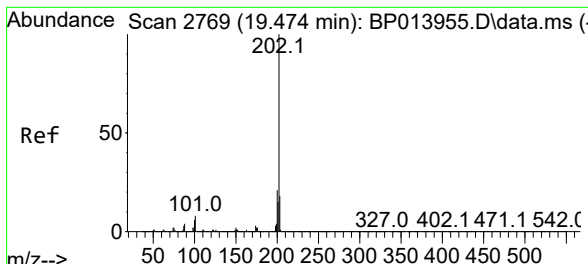
Tgt Ion:	167	Resp:	94261
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.2	25.8
139	12.7	10.5	15.7



#74
 Di-n-butylphthalate
 Concen: 2.757 ng
 RT: 18.398 min Scan# 2586
 Delta R.T. 0.000 min
 Lab File: BP014069.D
 Acq: 13 Mar 2023 18:33

Tgt Ion:	149	Resp:	101900
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.2	10.8
104	5.7	4.6	7.0

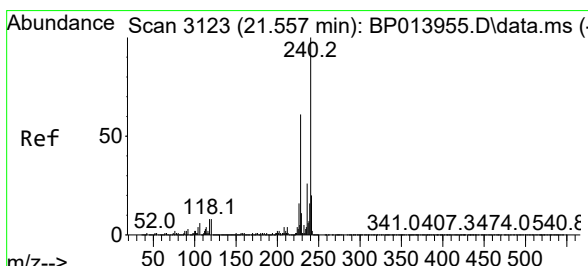
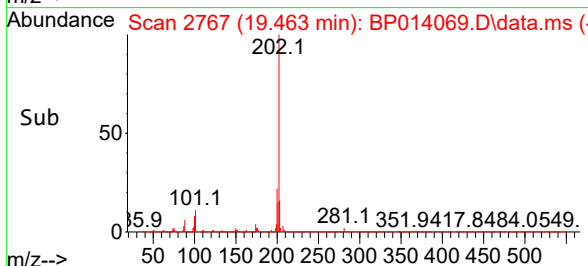
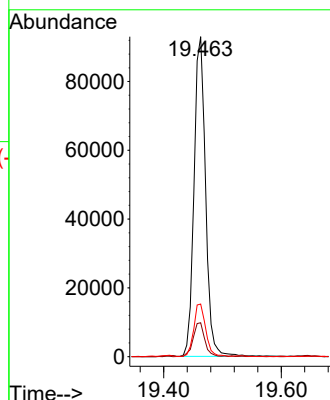
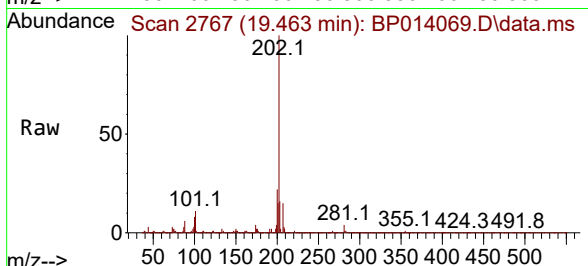




#75
Fluoranthene
Concen: 3.152 ng
RT: 19.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

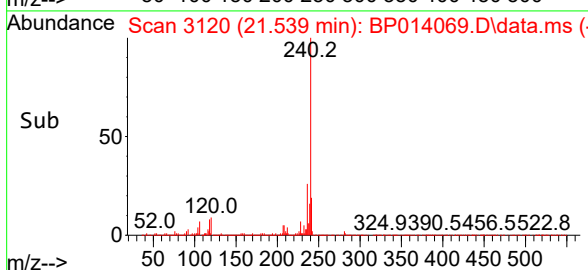
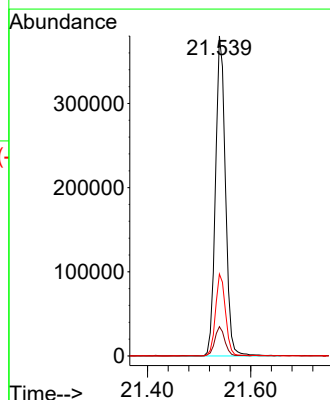
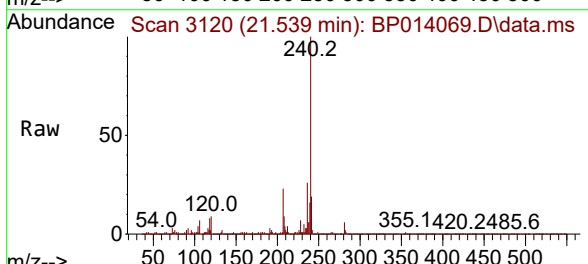
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

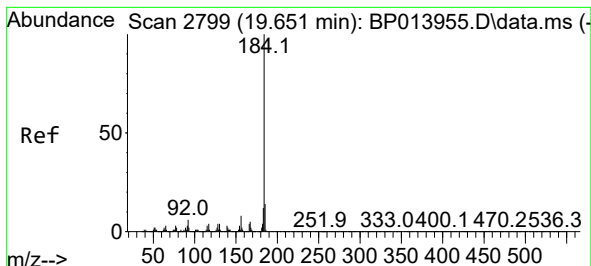
Tgt Ion:202 Resp: 126388
Ion Ratio Lower Upper
202 100
101 10.6 0.0 27.9
203 16.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:240 Resp: 508790
Ion Ratio Lower Upper
240 100
120 9.2 6.4 9.6
236 25.6 21.2 31.8





#77

Benzidine

Concen: 6.907 ng

RT: 19.639 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

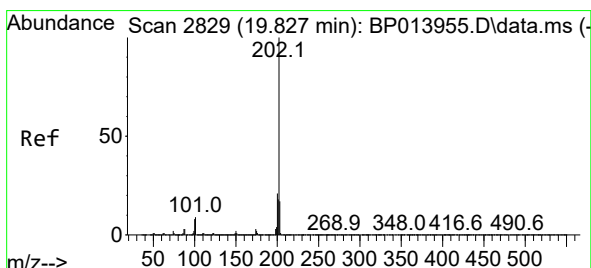
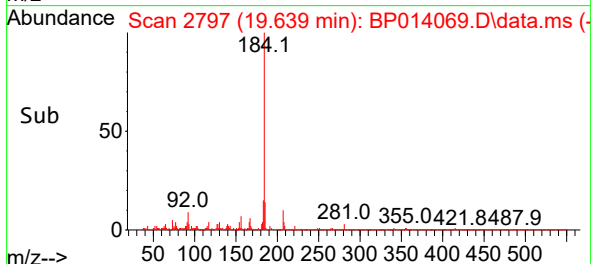
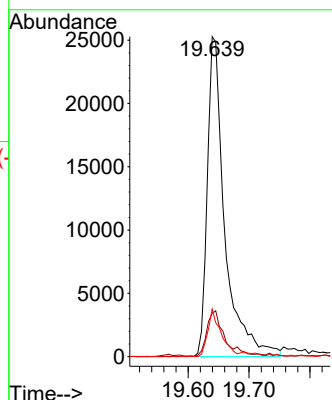
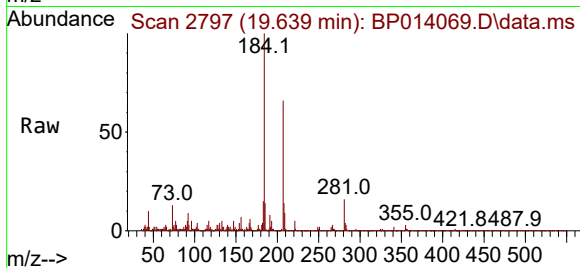
Tgt Ion:184 Resp: 50443

Ion Ratio Lower Upper

184 100

185 13.6 11.6 17.4

183 14.9 9.7 14.5#



#78

Pyrene

Concen: 3.436 ng

RT: 19.816 min Scan# 2827

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

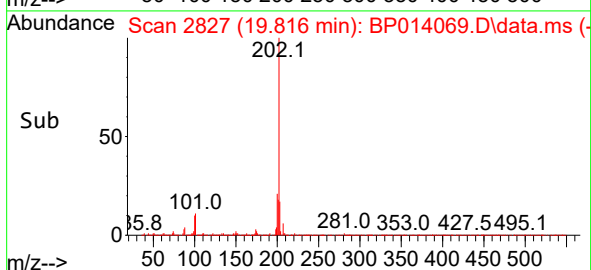
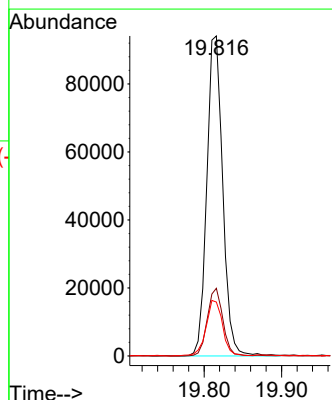
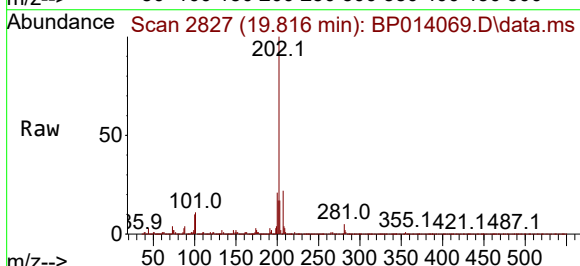
Tgt Ion:202 Resp: 134200

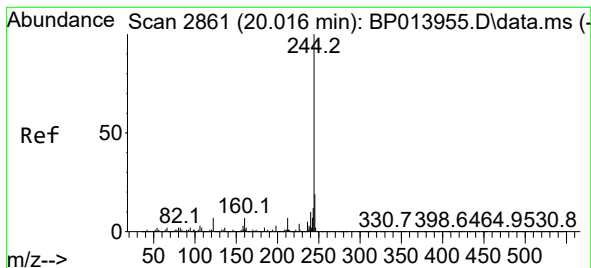
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 16.8 13.9 20.9





#79

Terphenyl-d14

Concen: 76.705 ng

RT: 19.998 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

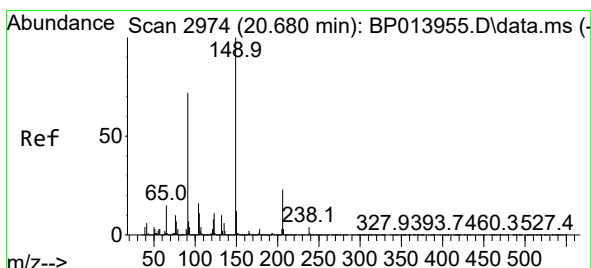
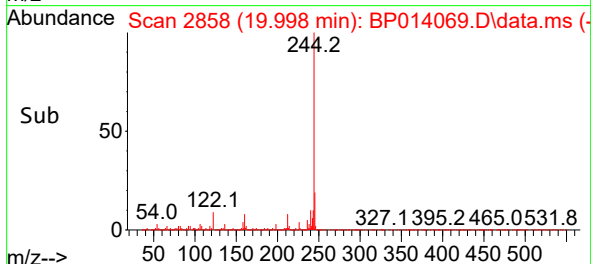
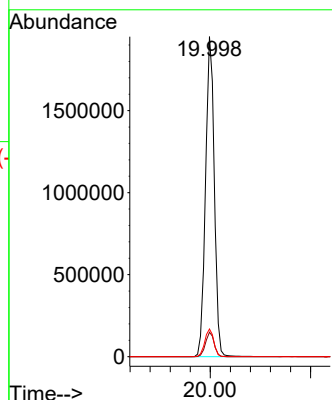
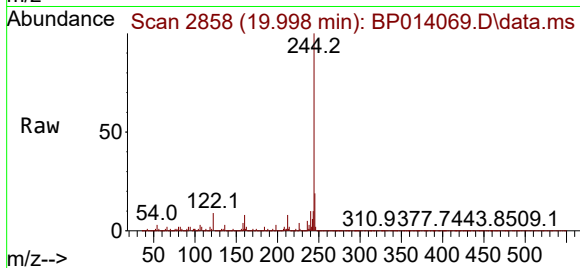
Tgt Ion:244 Resp: 2366777

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 8.7 5.8 8.6#



#80

Butylbenzylphthalate

Concen: 2.570 ng

RT: 20.669 min Scan# 2972

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

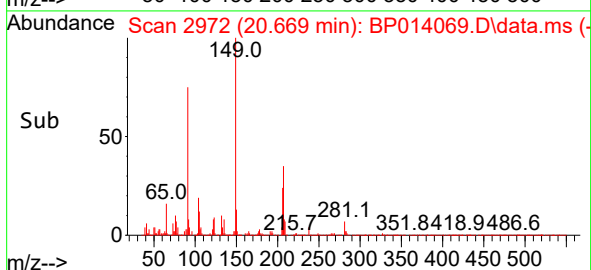
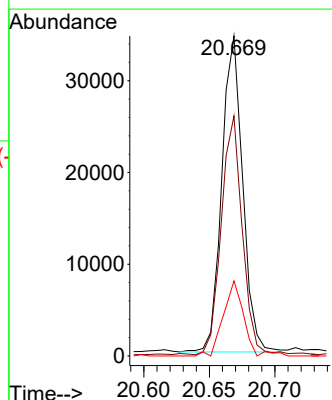
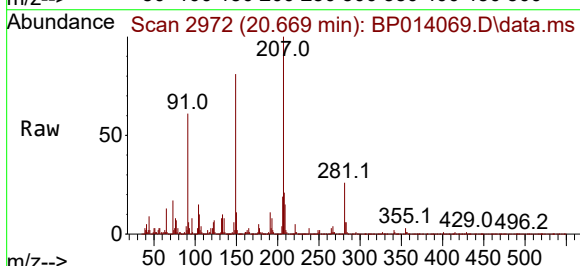
Tgt Ion:149 Resp: 38052

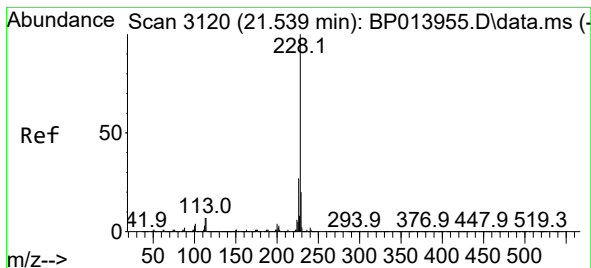
Ion Ratio Lower Upper

149 100

91 75.0 58.0 87.0

206 23.5 18.7 28.1





#81

Benzo(a)anthracene

Concen: 3.399 ng

RT: 21.527 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

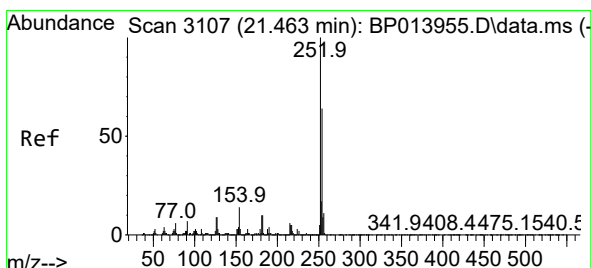
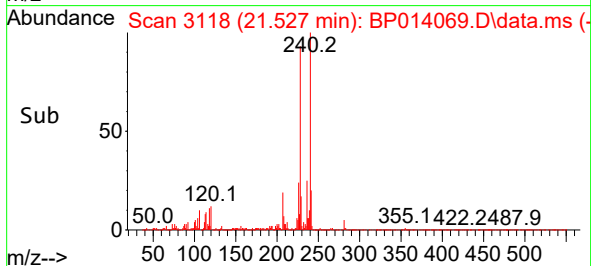
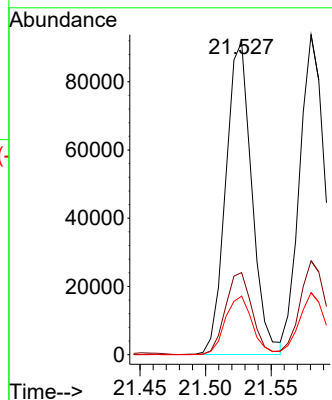
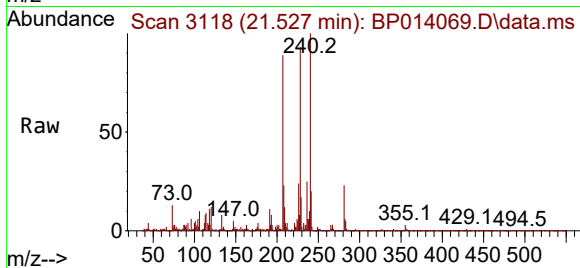
Tgt Ion:228 Resp: 126872

Ion Ratio Lower Upper

228 100

226 26.3 21.8 32.8

229 18.7 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 3.736 ng

RT: 21.457 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

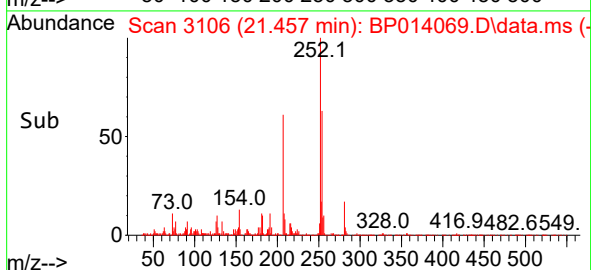
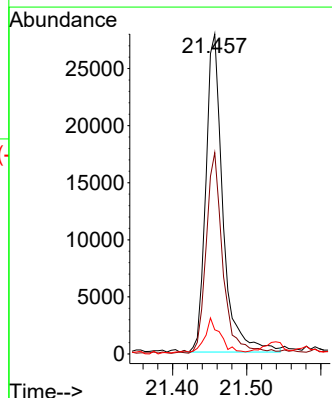
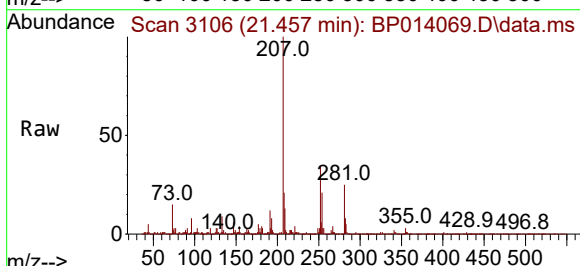
Tgt Ion:252 Resp: 44623

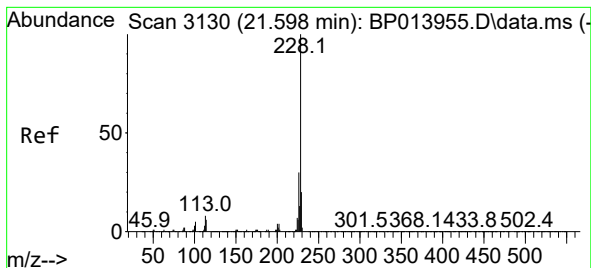
Ion Ratio Lower Upper

252 100

254 62.9 51.0 76.6

126 7.5 7.0 10.6





#83

Chrysene

Concen: 3.610 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

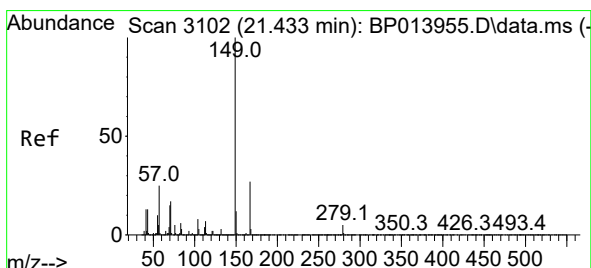
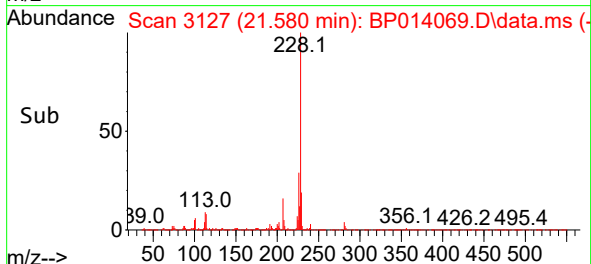
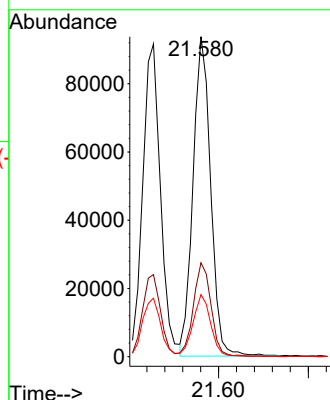
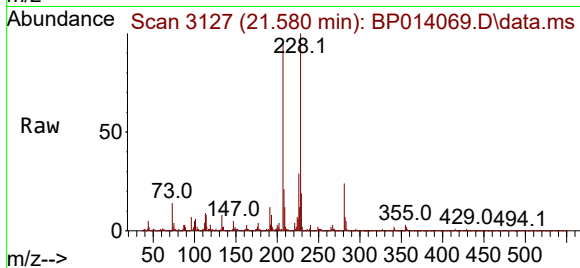
Tgt Ion:228 Resp: 127609

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.4

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.527 ng

RT: 21.422 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

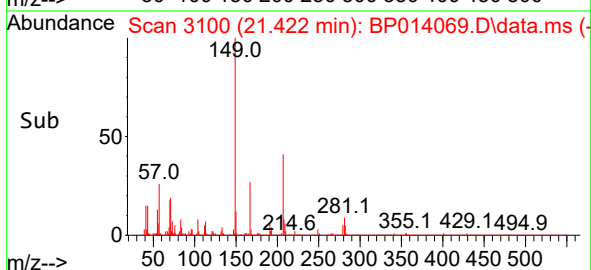
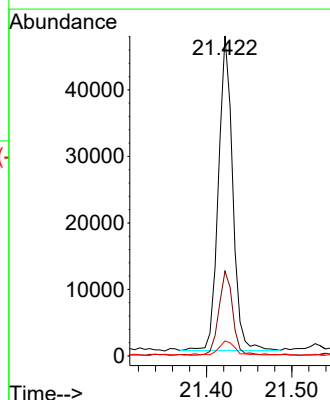
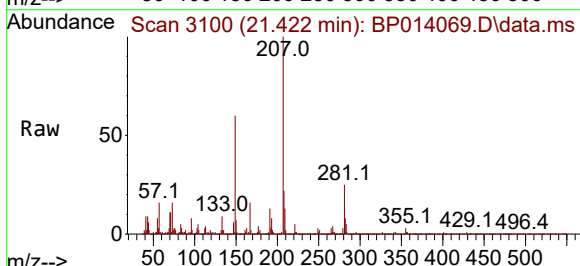
Tgt Ion:149 Resp: 54877

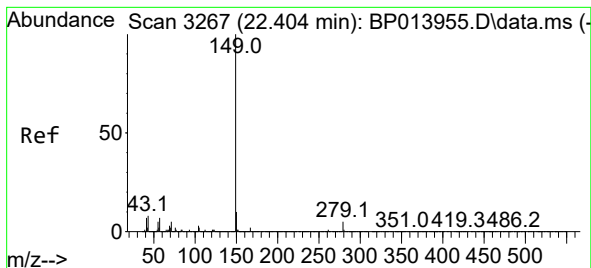
Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.6

279 4.7 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 2.346 ng

RT: 22.386 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

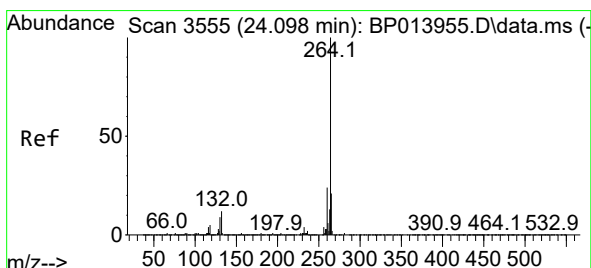
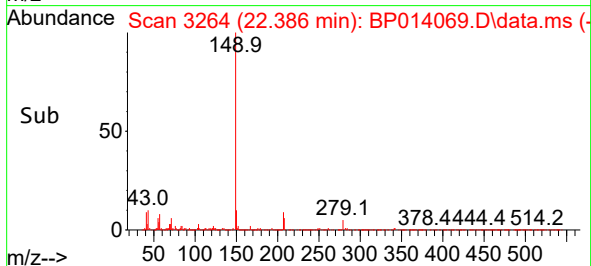
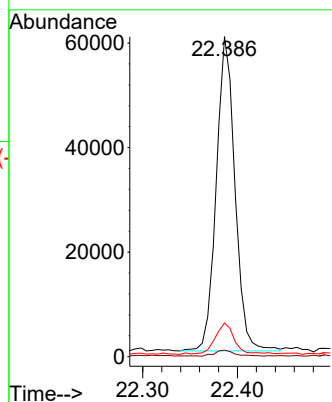
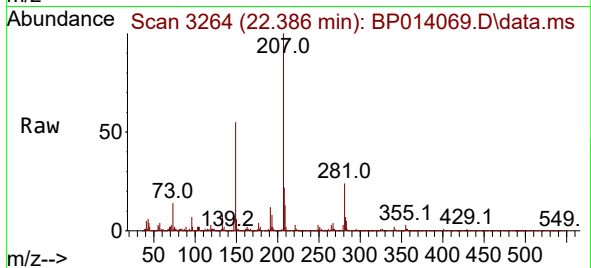
Tgt Ion:149 Resp: 82709

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 10.7 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: BP014069.D

Acq: 13 Mar 2023 18:33

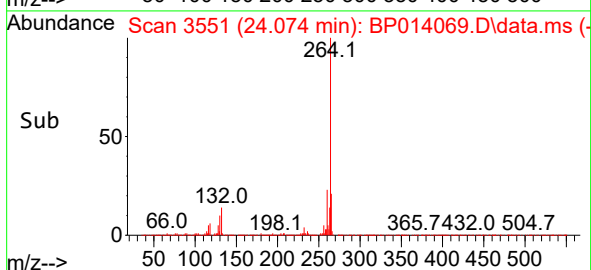
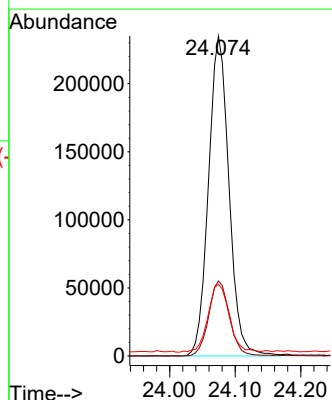
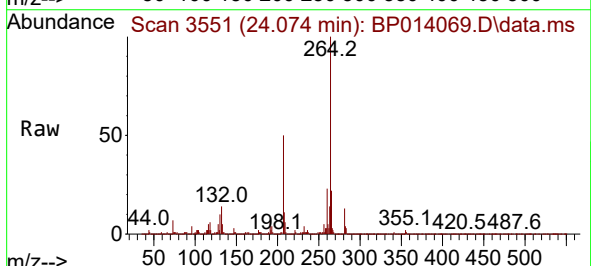
Tgt Ion:264 Resp: 509907

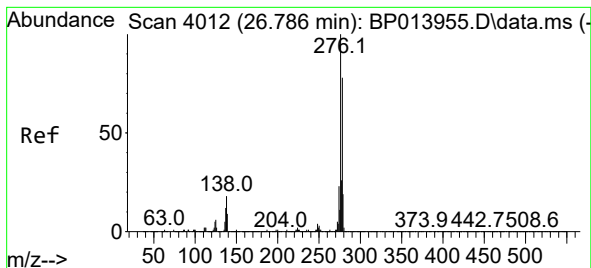
Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 22.4 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.493 ng

RT: 26.733 min Scan# 4012

Delta R.T. -0.017 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

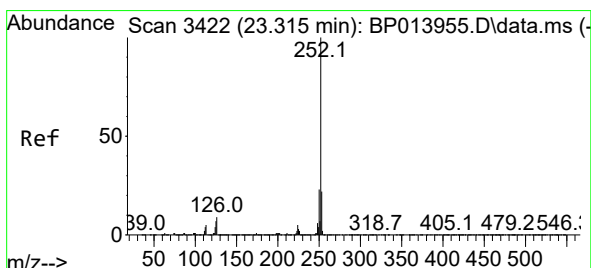
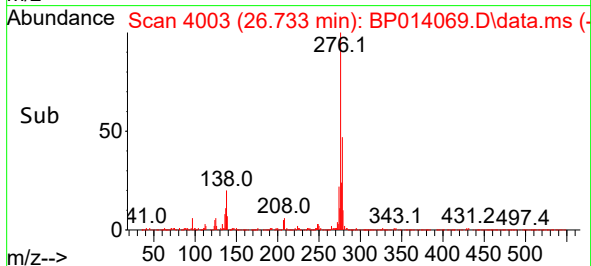
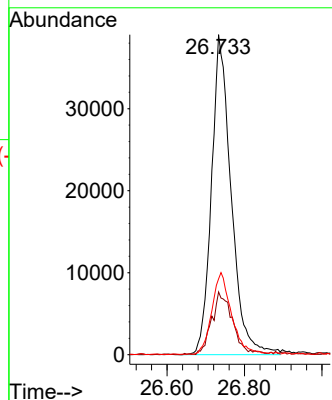
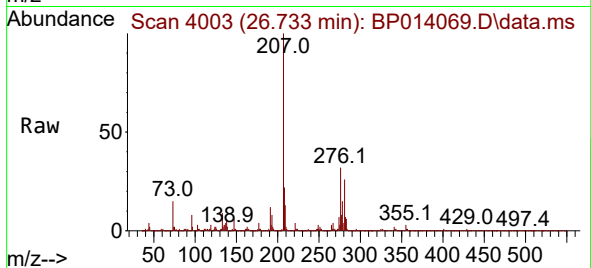
Tgt Ion:276 Resp: 137616

Ion Ratio Lower Upper

276 100

138 20.6 13.8 20.8

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 3.500 ng

RT: 23.292 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

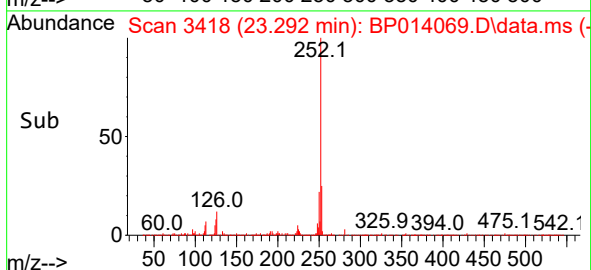
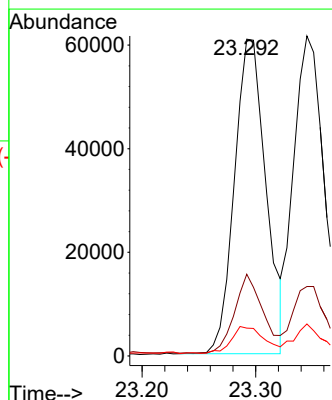
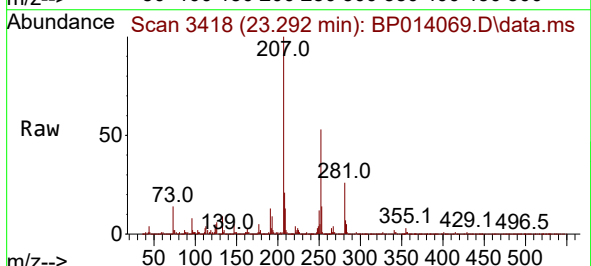
Tgt Ion:252 Resp: 116856

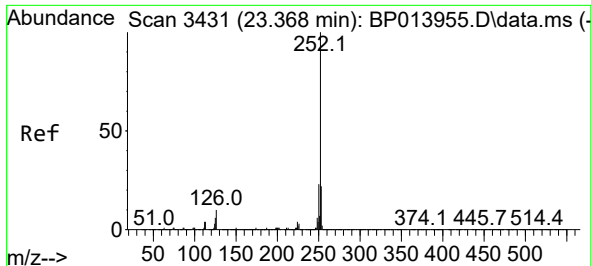
Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

125 8.8 5.6 8.4#

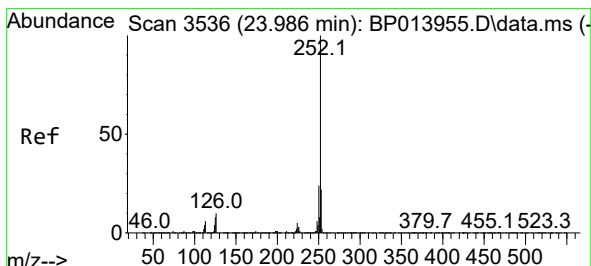
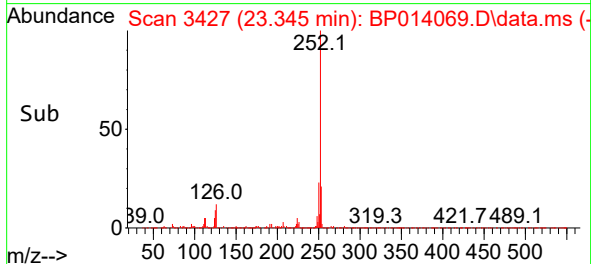
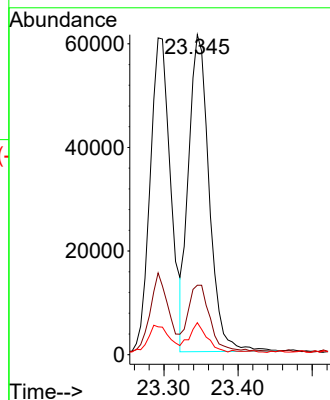
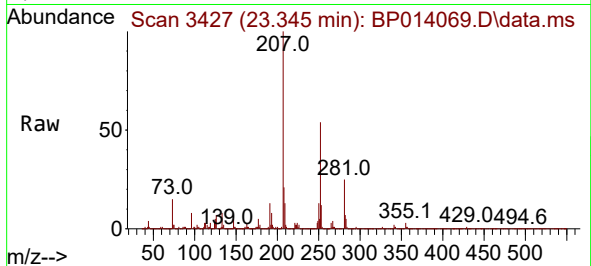




#89
Benzo(k)fluoranthene
Concen: 3.564 ng
RT: 23.345 min Scan# 3431
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

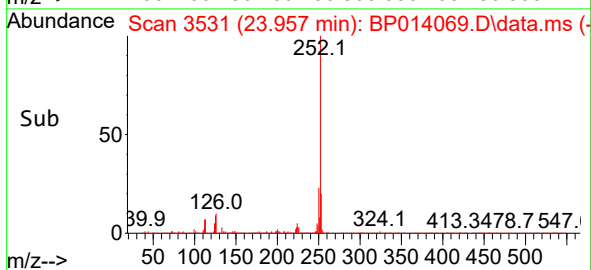
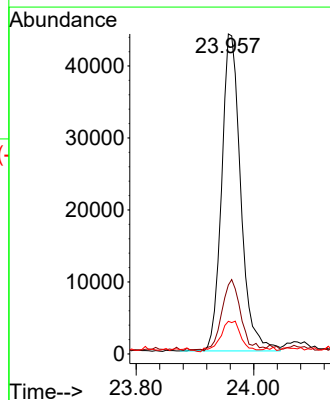
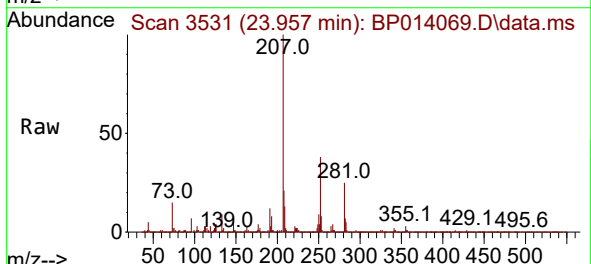
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

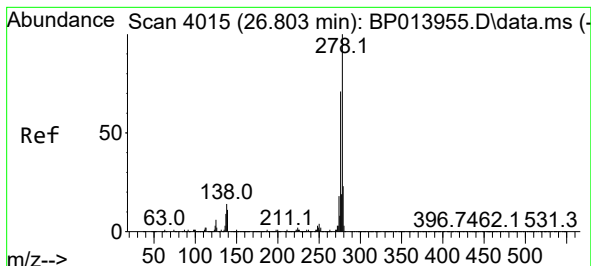
Tgt Ion:252 Resp: 117993
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.0 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 3.120 ng
RT: 23.957 min Scan# 3531
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:252 Resp: 99348
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 10.2 6.2 9.4#





#91

Dibenzo(a,h)anthracene

Concen: 3.476 ng

RT: 26.757 min Scan# 4015

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

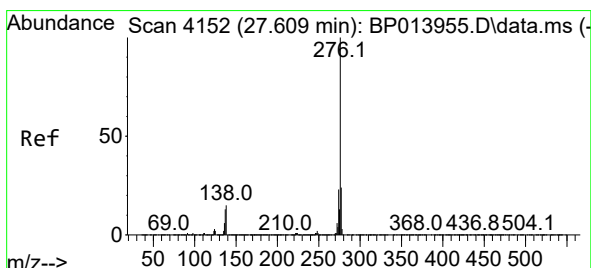
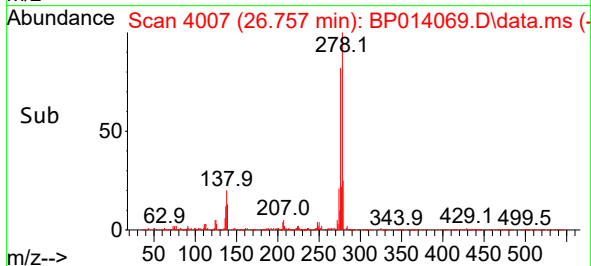
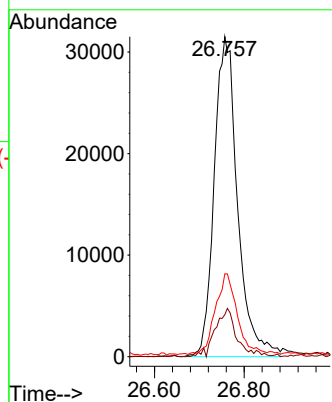
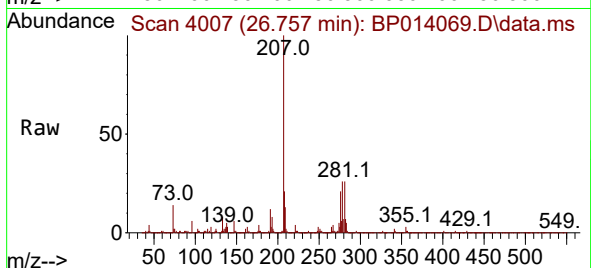
Tgt Ion:278 Resp: 113839

Ion Ratio Lower Upper

278 100

139 13.1 8.7 13.1#

279 25.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 3.563 ng

RT: 27.562 min Scan# 4144

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:276 Resp: 115646

Ion Ratio Lower Upper

276 100

277 25.3 19.4 29.0

138 16.0 12.2 18.4

