

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031323\
 Data File : BP014067.D
 Acq On : 13 Mar 2023 17:17
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 14 04:20:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	153135	20.000	ng	0.00
21) Naphthalene-d8	10.898	136	528336	20.000	ng	0.00
39) Acenaphthene-d10	14.716	164	298433	20.000	ng	0.00
64) Phenanthrene-d10	17.469	188	588755	20.000	ng	# 0.00
76) Chrysene-d12	21.545	240	520580	20.000	ng	0.00
86) Perylene-d12	24.086	264	540502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	891898	94.454	ng	0.00
7) Phenol-d6	7.228	99	1124934	90.739	ng	0.00
23) Nitrobenzene-d5	9.252	82	806270	69.749	ng	0.00
42) 2,4,6-Tribromophenol	16.204	330	397662	82.184	ng	0.00
45) 2-Fluorobiphenyl	13.340	172	1601166	69.511	ng	0.00
79) Terphenyl-d14	20.004	244	2047928	64.868	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.469	88	34230	8.344	ng	96
3) Pyridine	3.893	79	116884	10.260	ng	98
4) n-Nitrosodimethylamine	3.793	42	52784	10.438	ng	# 96
6) Aniline	7.399	93	175429	10.772	ng	99
8) 2-Chlorophenol	7.634	128	110067	10.883	ng	93
9) Benzaldehyde	7.210	77	75993	12.249	ng	99
10) Phenol	7.258	94	144115	11.169	ng	100
11) bis(2-Chloroethyl)ether	7.493	93	114126	11.171	ng	99
12) 1,3-Dichlorobenzene	7.963	146	128780	11.588	ng	99
13) 1,4-Dichlorobenzene	8.110	146	131113	11.662	ng	99
14) 1,2-Dichlorobenzene	8.434	146	123180	11.439	ng	100
15) Benzyl Alcohol	8.316	79	99739	9.868	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.610	45	137295	12.344	ng	97
17) 2-Methylphenol	8.516	107	90319	9.815	ng	98
18) Hexachloroethane	9.163	117	47544	11.257	ng	96
19) n-Nitroso-di-n-propyla...	8.887	70	85312	10.455	ng	98
20) 3+4-Methylphenols	8.846	107	116533	9.403	ng	99
22) Acetophenone	8.910	105	116543	7.864	ng	# 98
24) Nitrobenzene	9.293	77	137494	11.625	ng	95
25) Isophorone	9.816	82	210534	9.884	ng	99
26) 2-Nitrophenol	10.010	139	51115	9.935	ng	96
27) 2,4-Dimethylphenol	10.063	122	91709	10.963	ng	99
28) bis(2-Chloroethoxy)met...	10.299	93	137702	11.170	ng	97
29) 2,4-Dichlorophenol	10.546	162	93757	10.239	ng	97
30) 1,2,4-Trichlorobenzene	10.757	180	117202	11.274	ng	97
31) Naphthalene	10.951	128	326827	11.258	ng	99
32) Benzoic acid	10.151	122	32240	7.090	ng	98
33) 4-Chloroaniline	11.063	127	123769	9.945	ng	97
34) Hexachlorobutadiene	11.228	225	78868	10.435	ng	98
35) Caprolactam	11.840	113	18711	7.139	ng	# 91
36) 4-Chloro-3-methylphenol	12.175	107	100077	9.799	ng	96
37) 2-Methylnaphthalene	12.545	142	216065	10.088	ng	97
38) 1-Methylnaphthalene	12.769	142	201530	10.094	ng	100
40) 1,2,4,5-Tetrachloroben...	12.910	216	91563	8.049	ng	99
41) Hexachlorocyclopentadiene	12.887	237	78690	11.023	ng	97
43) 2,4,6-Trichlorophenol	13.151	196	73964	10.287	ng	98

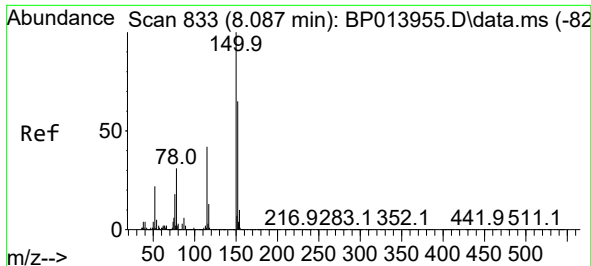
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.228	196	78357	9.404	ng	98
46) 1,1'-Biphenyl	13.551	154	199867	8.320	ng	96
47) 2-Chloronaphthalene	13.592	162	220396	11.918	ng	98
48) 2-Nitroaniline	13.798	65	54438	9.700	ng	96
49) Acenaphthylene	14.439	152	319911	10.878	ng	98
50) Dimethylphthalate	14.163	163	251035	10.196	ng	100
51) 2,6-Dinitrotoluene	14.287	165	49663	9.579	ng	90
52) Acenaphthene	14.781	154	196870	11.121	ng	100
53) 3-Nitroaniline	14.622	138	46711	9.193	ng	86
54) 2,4-Dinitrophenol	14.834	184	25346	9.418	ng	97
55) Dibenzofuran	15.110	168	319718	11.078	ng	98
56) 4-Nitrophenol	14.928	139	41565	10.046	ng	92
57) 2,4-Dinitrotoluene	15.075	165	61686	8.901	ng	97
58) Fluorene	15.763	166	246406	10.753	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.339	232	70837	9.745	ng	97
60) Diethylphthalate	15.522	149	236743	9.739	ng	99
61) 4-Chlorophenyl-phenyle...	15.751	204	132216	10.178	ng	99
62) 4-Nitroaniline	15.786	138	43904	8.678	ng	89
63) Azobenzene	16.045	77	243774	10.838	ng	95
65) 4,6-Dinitro-2-methylph...	15.839	198	40669	9.326	ng	96
66) n-Nitrosodiphenylamine	15.969	169	204374	10.985	ng	100
67) 4-Bromophenyl-phenylether	16.651	248	77774	9.987	ng	97
68) Hexachlorobenzene	16.769	284	91384	10.947	ng	99
69) Atrazine	16.916	200	48488	7.423	ng	97
70) Pentachlorophenol	17.116	266	55591	9.234	ng	96
71) Phenanthrene	17.510	178	375922	11.429	ng	99
72) Anthracene	17.604	178	358343	10.663	ng	100
73) Carbazole	17.869	167	311021	10.729	ng	99
74) Di-n-butylphthalate	18.404	149	344514	9.505	ng	100
75) Fluoranthene	19.463	202	397132	10.102	ng	97
77) Benzidine	19.645	184	116733	12.161	ng	99
78) Pyrene	19.816	202	418534	10.475	ng	100
80) Butylbenzylphthalate	20.674	149	133842	8.836	ng	100
81) Benzo(a)anthracene	21.533	228	402078	10.526	ng	97
82) 3,3'-Dichlorobenzidine	21.457	252	97339	7.964	ng	# 97
83) Chrysene	21.586	228	397233	10.982	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	196931	8.862	ng	99
85) Di-n-octyl phthalate	22.392	149	299593	8.305	ng	98
87) Indeno(1,2,3-cd)pyrene	26.745	276	472161	11.306	ng	97
88) Benzo(b)fluoranthene	23.304	252	382559	10.809	ng	98
89) Benzo(k)fluoranthene	23.304	252	382559	10.902	ng	98
90) Benzo(a)pyrene	23.968	252	330486	9.790	ng	# 98
91) Dibenzo(a,h)anthracene	26.768	278	388894	11.201	ng	98
92) Benzo(g,h,i)perylene	27.574	276	389473	11.319	ng	98

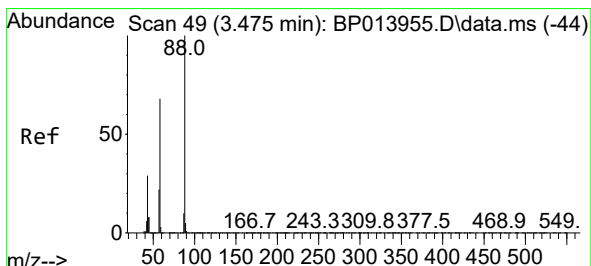
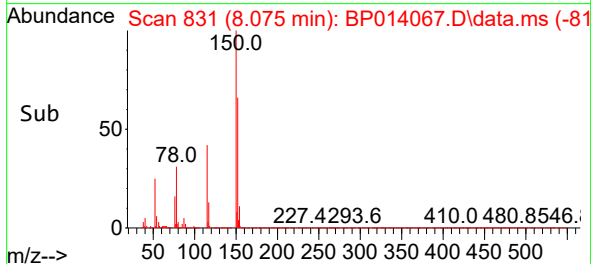
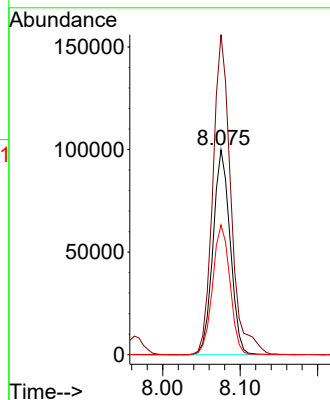
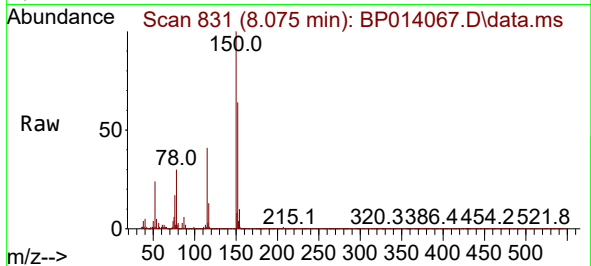
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.075 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014067.D
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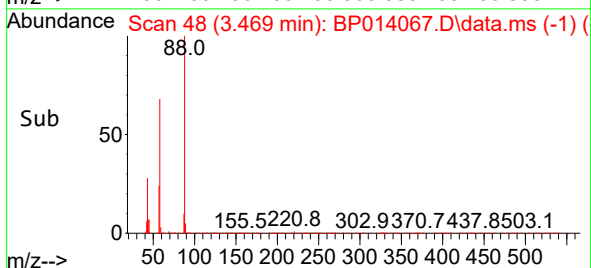
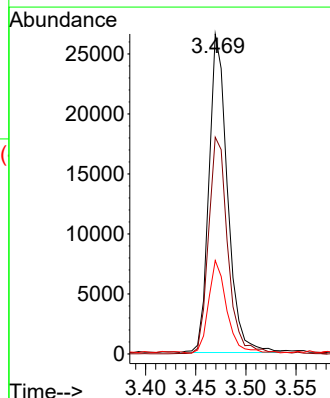
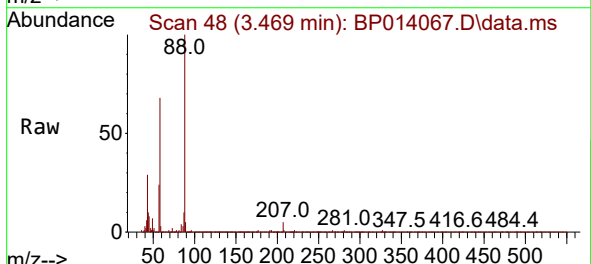
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LOQ-SOIL-02-QT1-2023

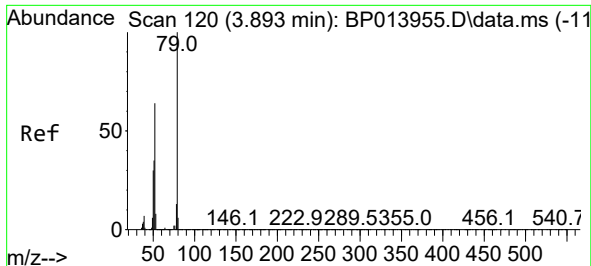
Tgt Ion:152 Resp: 153135
Ion Ratio Lower Upper
152 100
150 156.1 122.3 183.5
115 63.3 51.6 77.4



#2
1,4-Dioxane
Concen: 8.344 ng
RT: 3.469 min Scan# 48
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 88 Resp: 34230
Ion Ratio Lower Upper
88 100
58 71.4 53.8 80.8
43 28.3 22.1 33.1

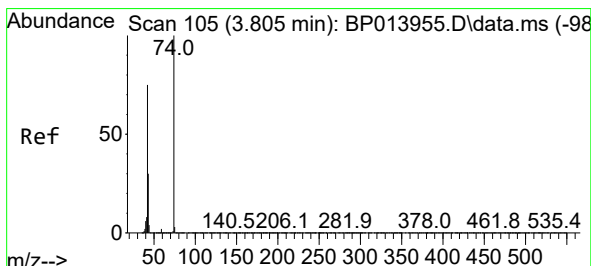
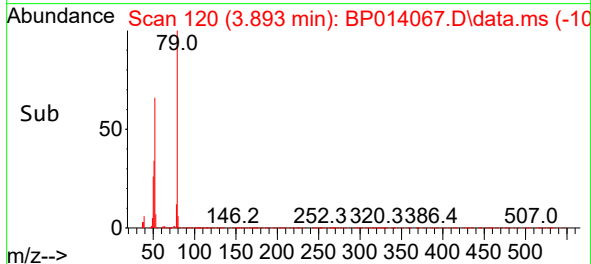
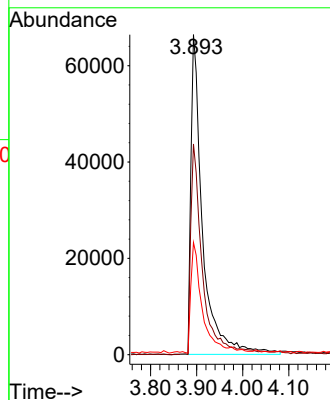
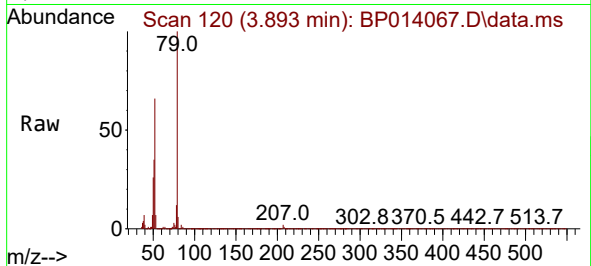




#3
Pyridine
Concen: 10.260 ng
RT: 3.893 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

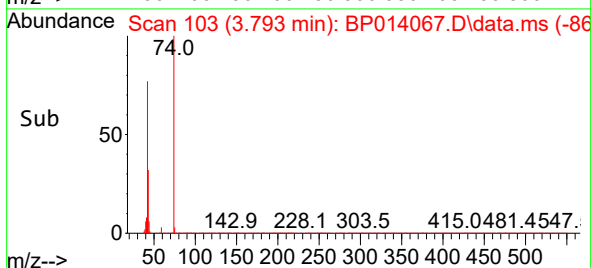
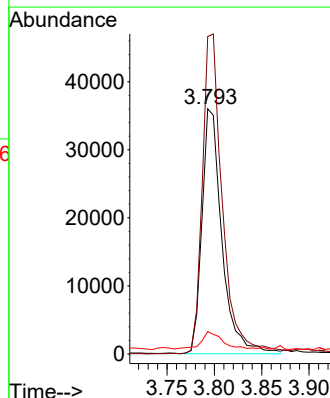
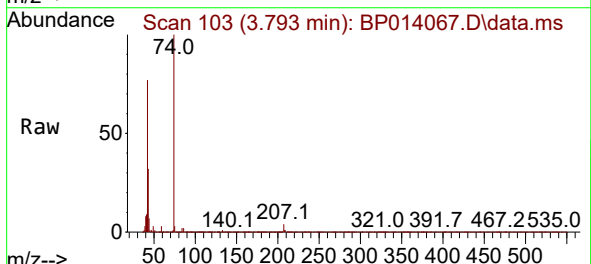
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ClientSampleId :
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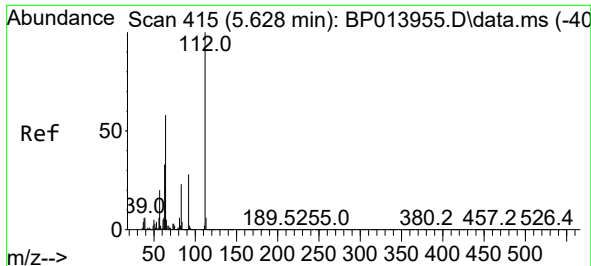
Tgt Ion: 79 Resp: 116884
Ion Ratio Lower Upper
79 100
52 65.8 51.0 76.4
51 35.0 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 10.438 ng
RT: 3.793 min Scan# 103
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 42 Resp: 52784
Ion Ratio Lower Upper
42 100
74 129.5 107.0 160.6
44 9.1 4.5 6.7#

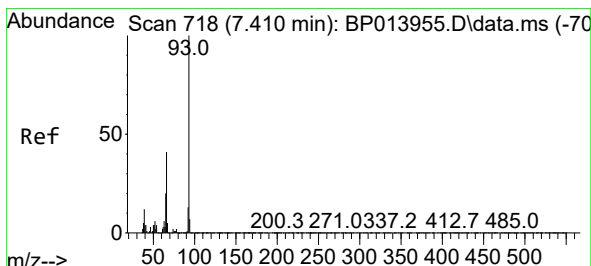
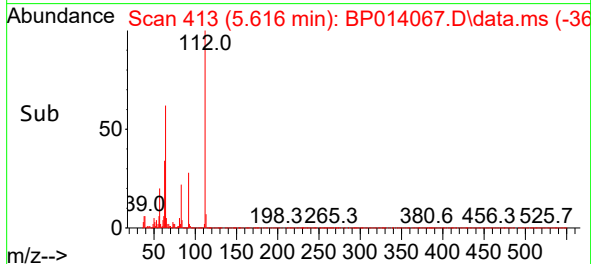
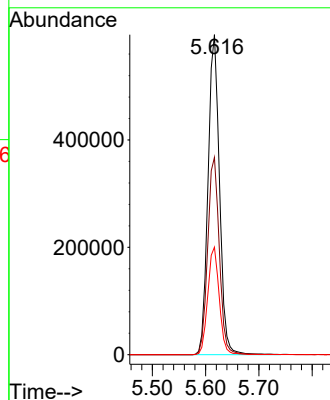
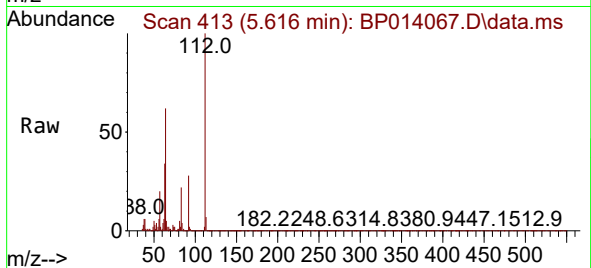




#5
2-Fluorophenol
Concen: 94.454 ng
RT: 5.616 min Scan# 415
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

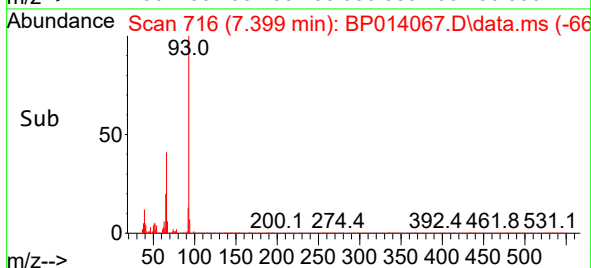
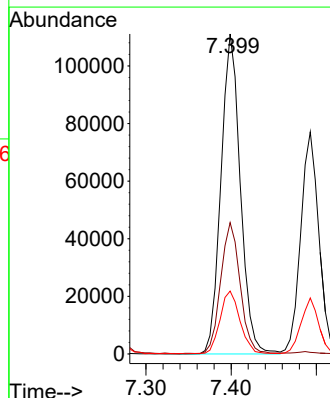
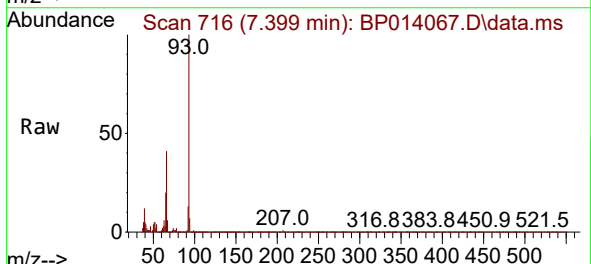
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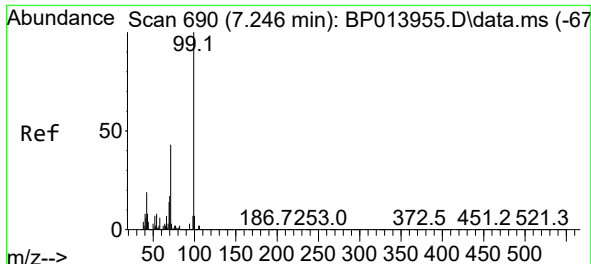
Tgt Ion:112 Resp: 891898
Ion Ratio Lower Upper
112 100
64 61.6 46.7 70.1
63 33.6 26.6 40.0



#6
Aniline
Concen: 10.772 ng
RT: 7.399 min Scan# 716
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 93 Resp: 175429
Ion Ratio Lower Upper
93 100
66 41.1 32.6 48.8
65 19.7 16.0 24.0

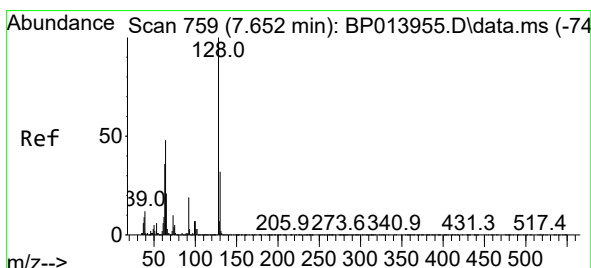
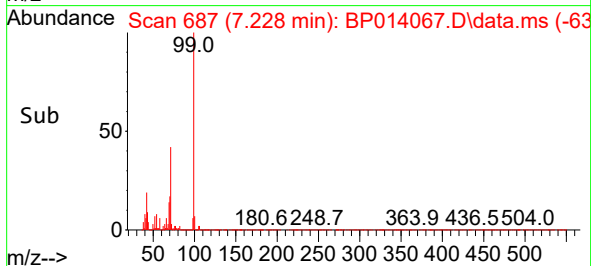
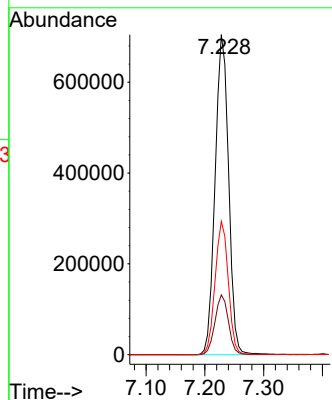
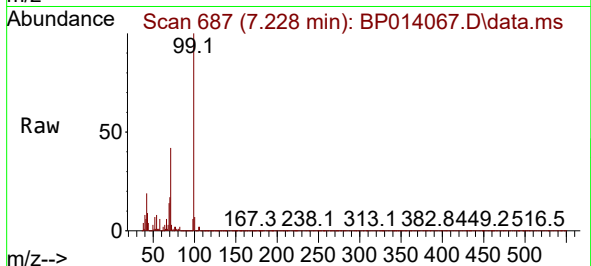




#7
Phenol-d6
Concen: 90.739 ng
RT: 7.228 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

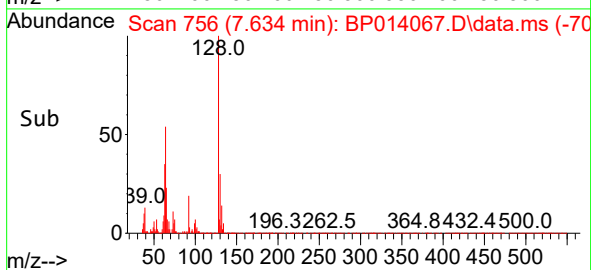
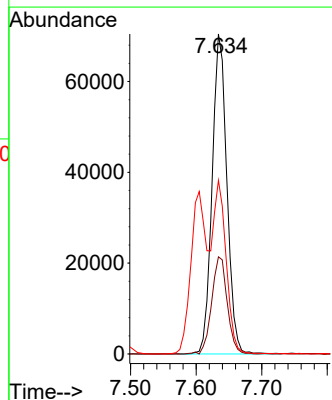
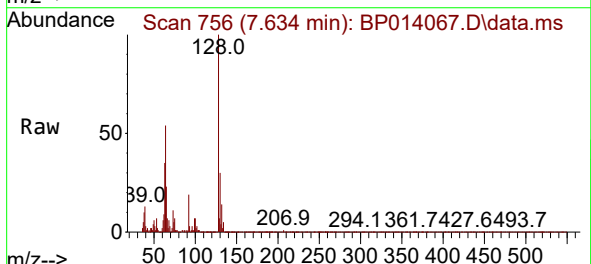
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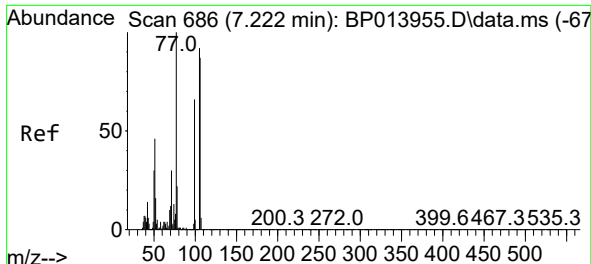
Tgt Ion: 99 Resp: 1124934
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.6
71 41.6 34.3 51.5



#8
2-Chlorophenol
Concen: 10.883 ng
RT: 7.634 min Scan# 756
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 128 Resp: 110067
Ion Ratio Lower Upper
128 100
130 30.4 12.3 52.3
64 54.2 27.6 67.6

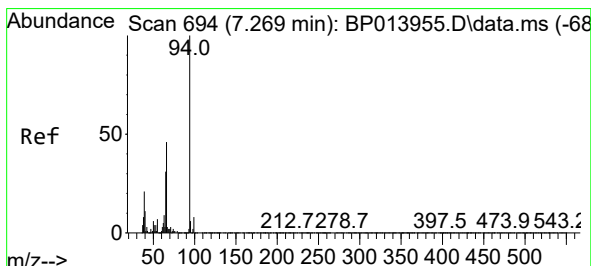
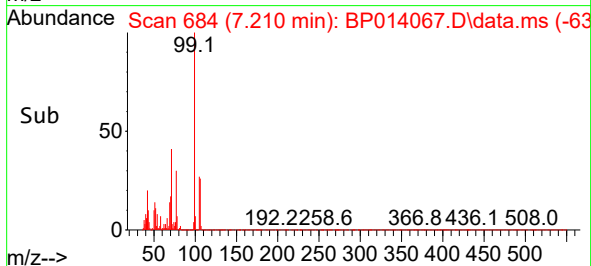
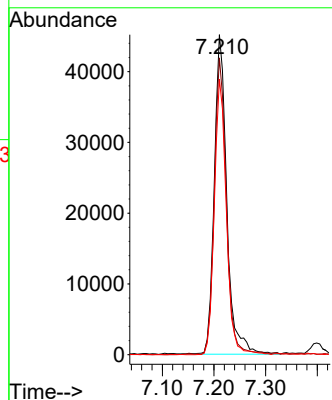
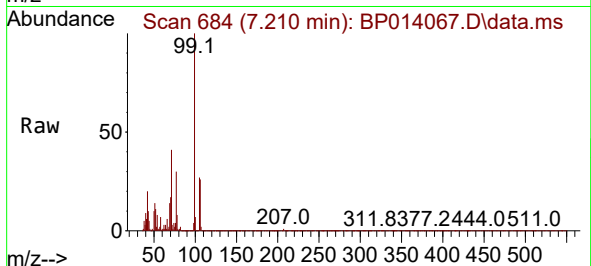




#9
Benzaldehyde
Concen: 12.249 ng
RT: 7.210 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

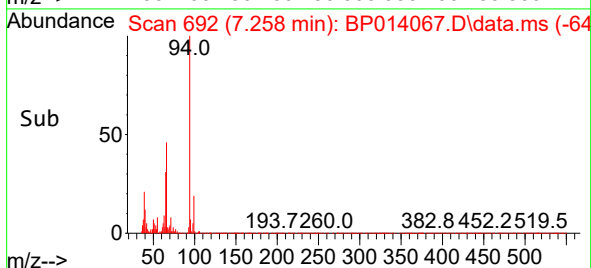
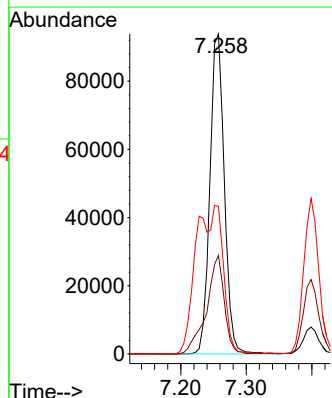
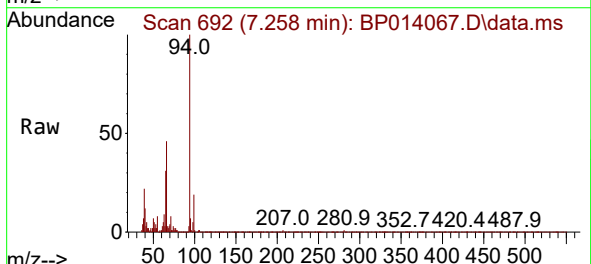
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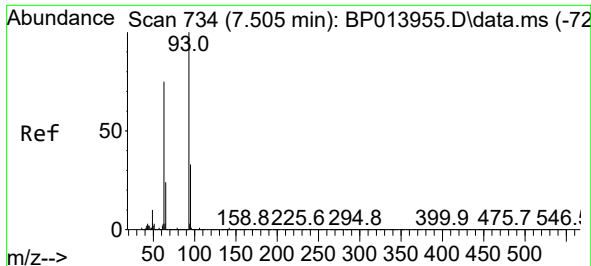
Tgt Ion: 77 Resp: 75993
Ion Ratio Lower Upper
77 100
105 92.7 72.4 112.4
106 86.1 66.9 106.9



#10
Phenol
Concen: 11.169 ng
RT: 7.258 min Scan# 692
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 94 Resp: 144115
Ion Ratio Lower Upper
94 100
65 30.8 10.9 50.9
66 46.1 26.1 66.1

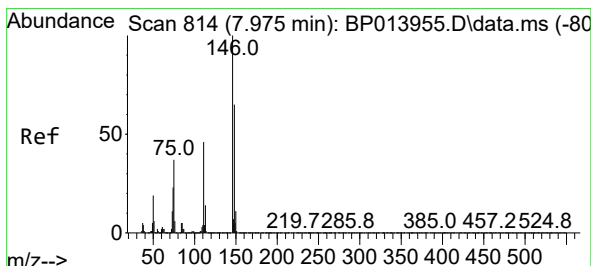
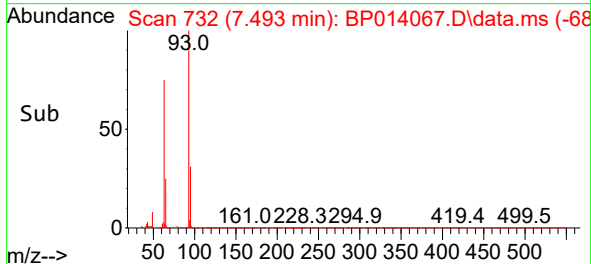
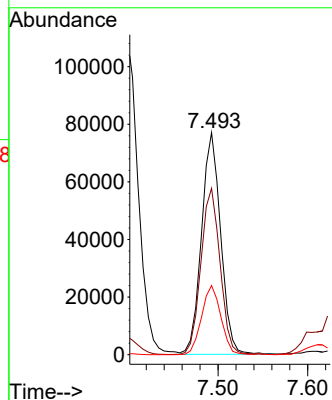
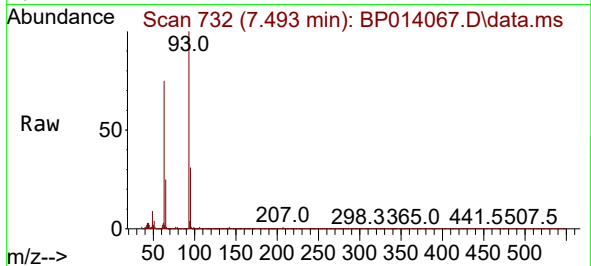




#11
bis(2-Chloroethyl)ether
Concen: 11.171 ng
RT: 7.493 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

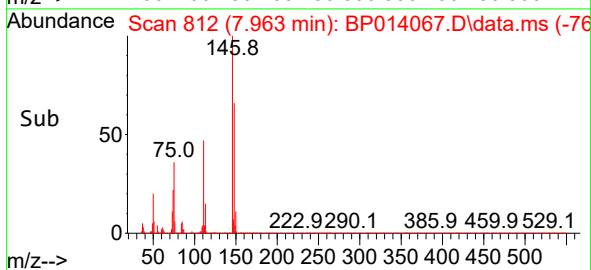
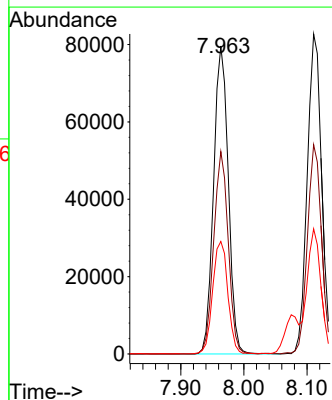
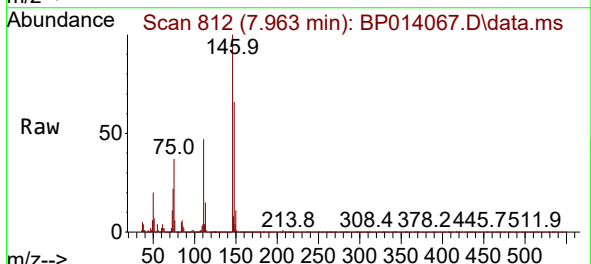
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

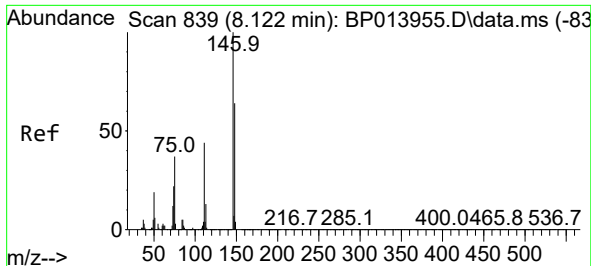
Tgt Ion: 93 Resp: 114126
Ion Ratio Lower Upper
93 100
63 74.9 54.2 94.2
95 31.2 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 11.588 ng
RT: 7.963 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:146 Resp: 128780
Ion Ratio Lower Upper
146 100
148 65.7 52.1 78.1
75 36.5 29.4 44.0

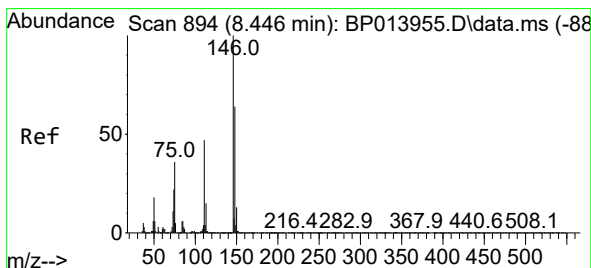
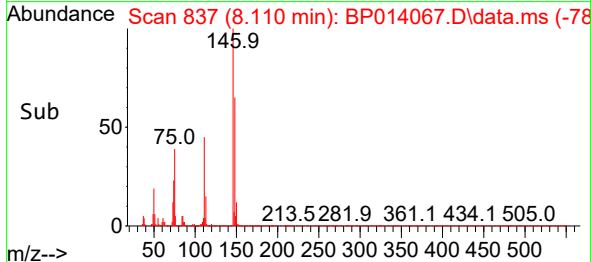
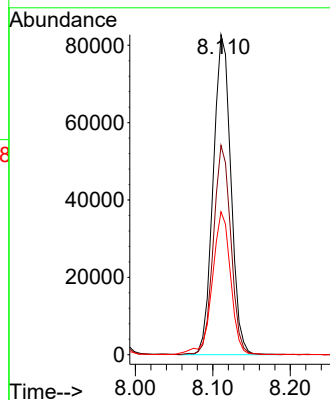
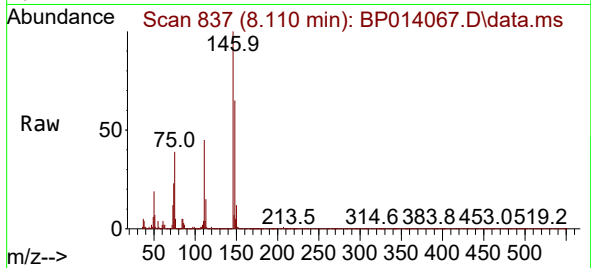




#13
1,4-Dichlorobenzene
Concen: 11.662 ng
RT: 8.110 min Scan# 811
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

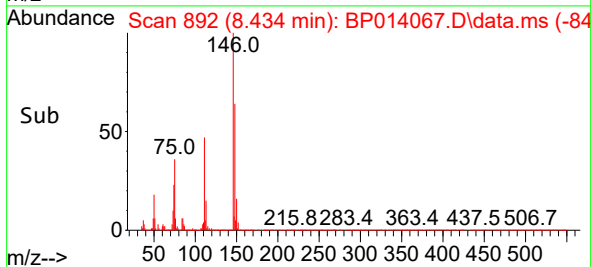
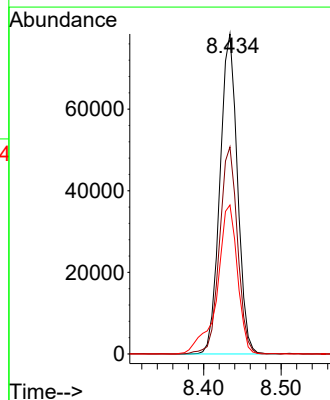
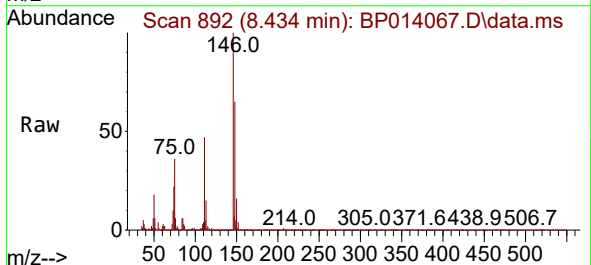
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

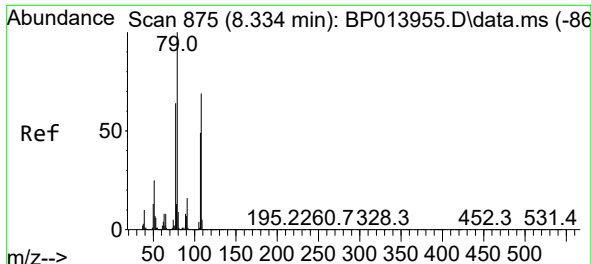
Tgt Ion:146 Resp: 131113
Ion Ratio Lower Upper
146 100
148 65.4 51.4 77.2
111 44.7 35.1 52.7



#14
1,2-Dichlorobenzene
Concen: 11.439 ng
RT: 8.434 min Scan# 892
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:146 Resp: 123180
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.0
111 46.5 37.2 55.8

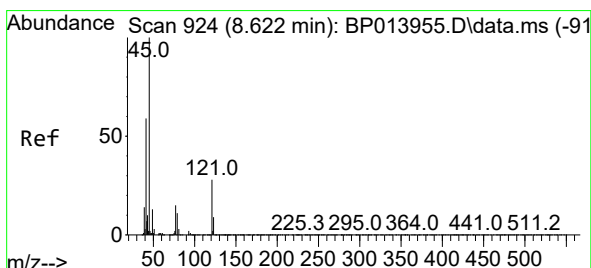
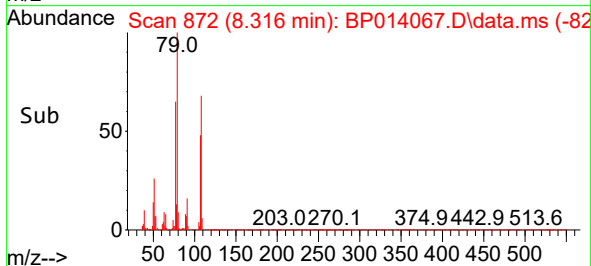
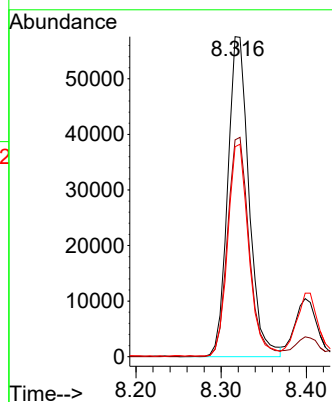
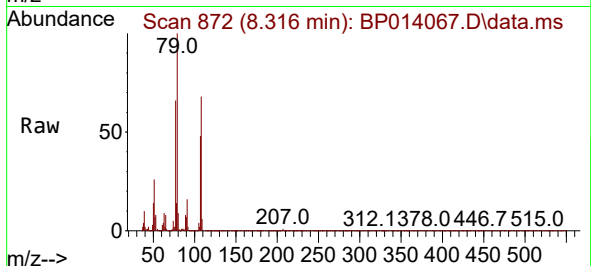




#15
Benzyl Alcohol
Concen: 9.868 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

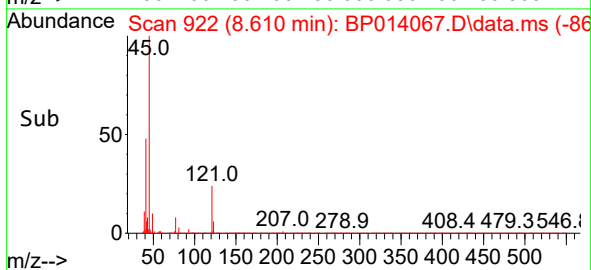
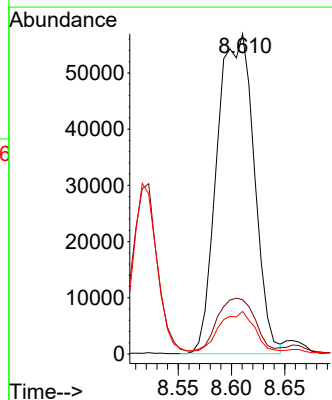
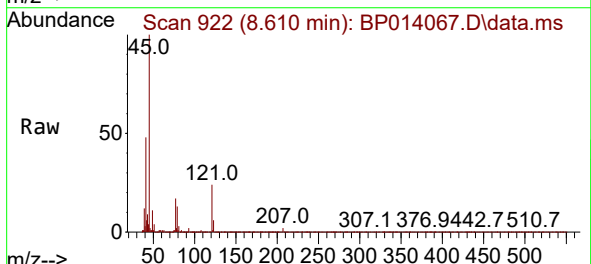
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

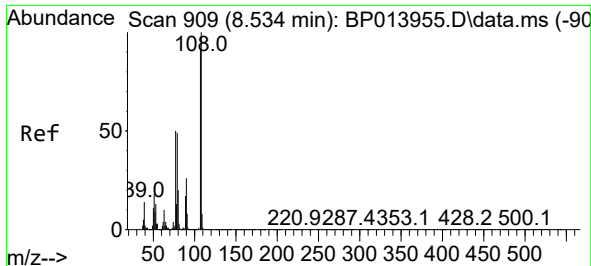
Tgt Ion: 79 Resp: 99739
Ion Ratio Lower Upper
79 100
108 67.8 54.9 82.3
77 65.6 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.344 ng
RT: 8.610 min Scan# 922
Delta R.T. 0.012 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 45 Resp: 137295
Ion Ratio Lower Upper
45 100
77 16.9 0.0 38.7
79 13.3 0.0 34.4





#17

2-Methylphenol

Concen: 9.815 ng

RT: 8.516 min Scan# 90

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:107 Resp: 90319

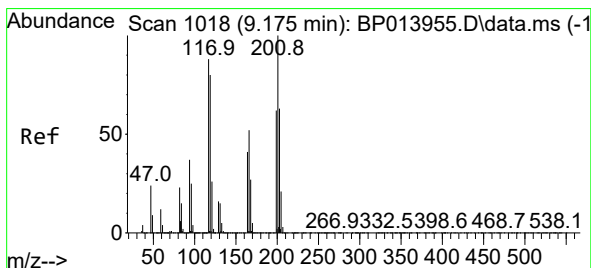
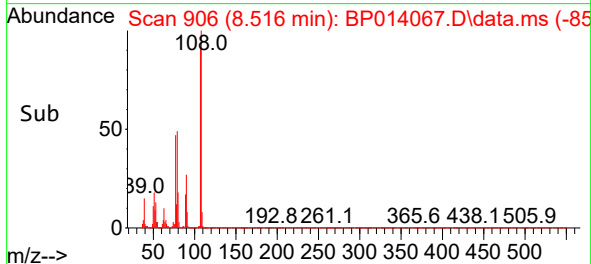
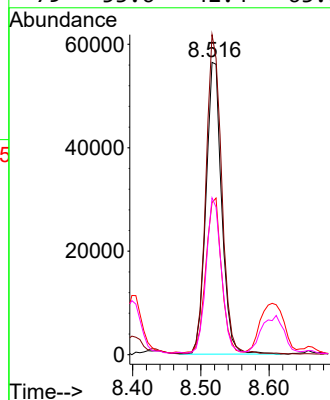
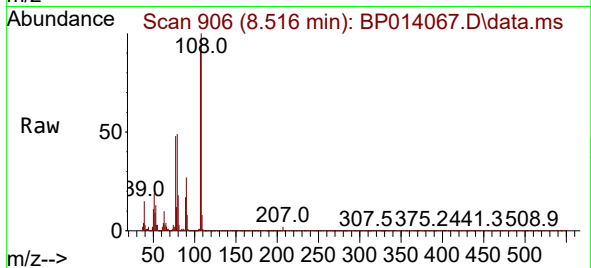
Ion Ratio Lower Upper

107 100

108 109.5 87.0 130.4

77 52.1 44.0 66.0

79 53.6 42.4 63.6



#18

Hexachloroethane

Concen: 11.257 ng

RT: 9.163 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

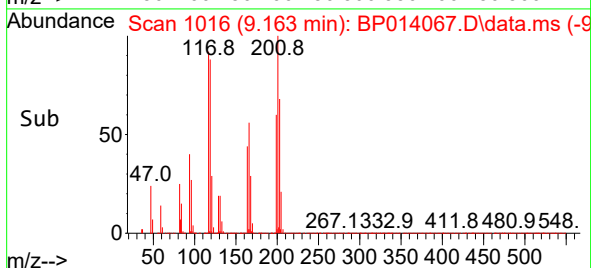
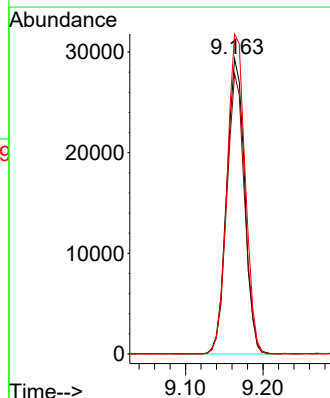
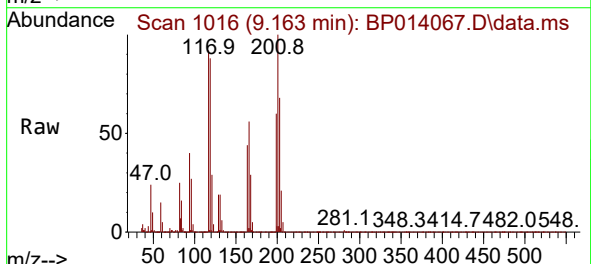
Tgt Ion:117 Resp: 47544

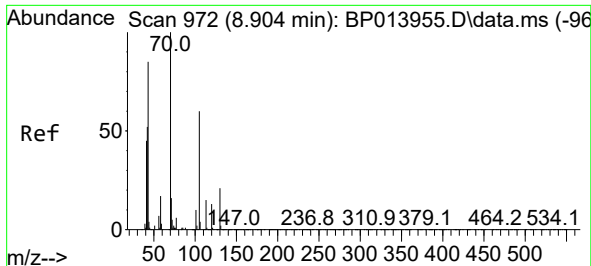
Ion Ratio Lower Upper

117 100

119 94.8 73.3 109.9

201 108.3 91.1 136.7

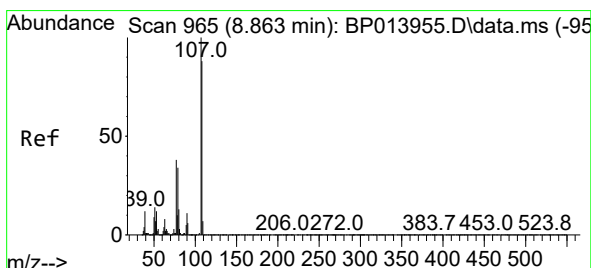
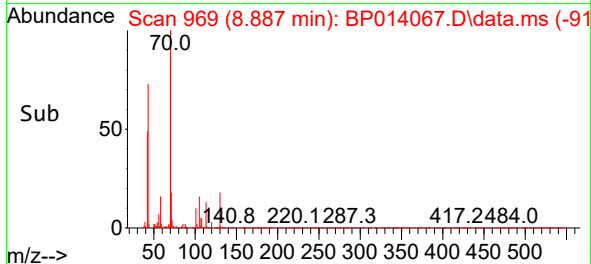
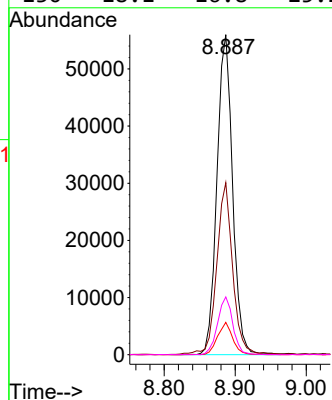
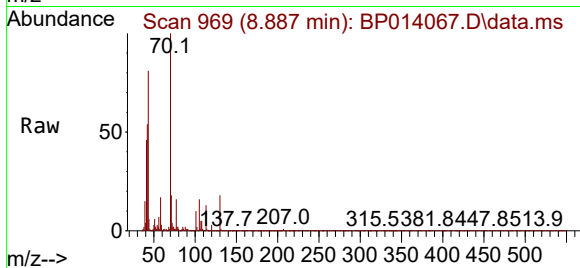




#19
n-Nitroso-di-n-propylamine
Concen: 10.455 ng
RT: 8.887 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

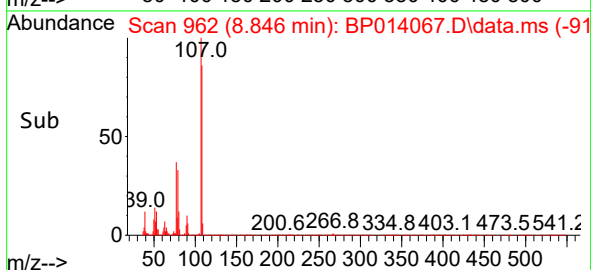
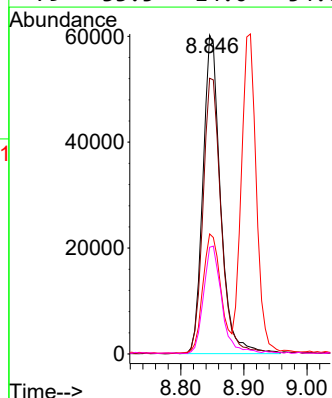
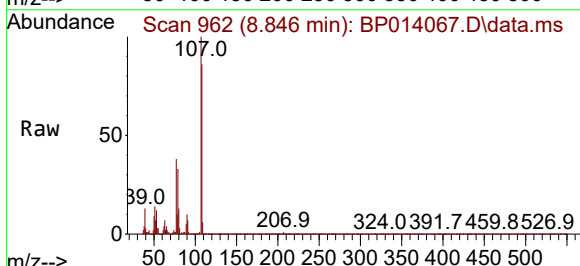
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

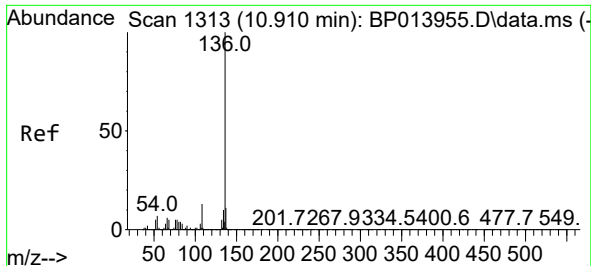
Tgt Ion: 70	Resp: 85312
Ion Ratio	Lower Upper
70 100	
42 53.8	42.4 63.6
101 10.1	8.2 12.4
130 18.1	16.8 25.2



#20
3+4-Methylphenols
Concen: 9.403 ng
RT: 8.846 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt	Ion:107	Resp:	116533
Ion	Ratio	Lower	Upper
107	100		
108	86.5	68.2	108.2
77	37.6	18.1	58.1
79	33.5	14.0	54.0

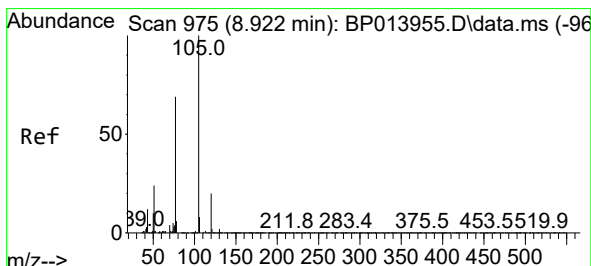
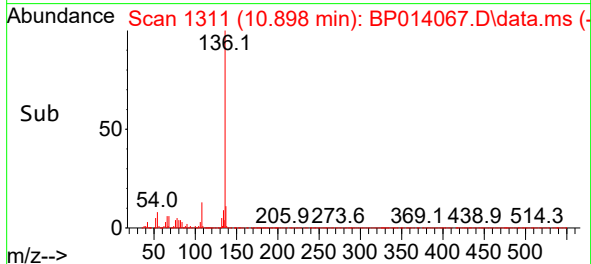
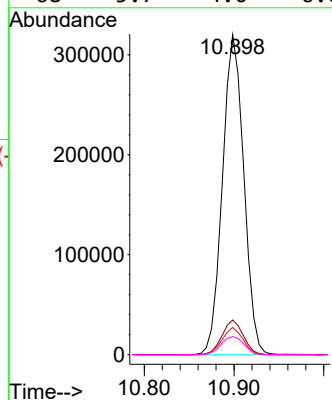
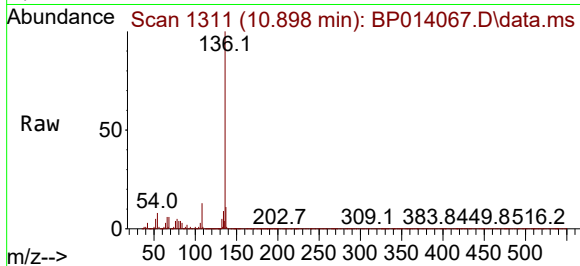




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

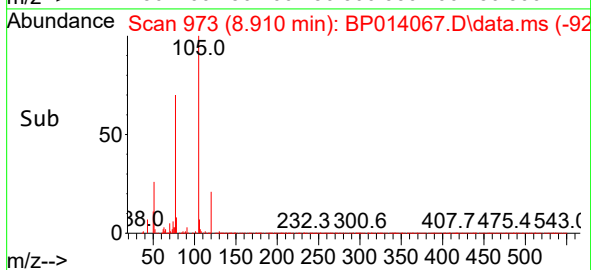
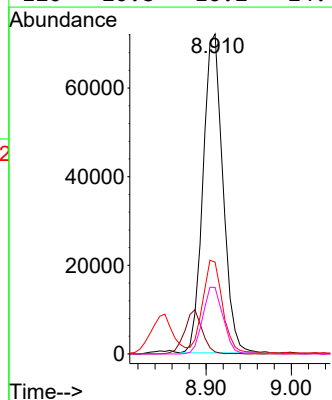
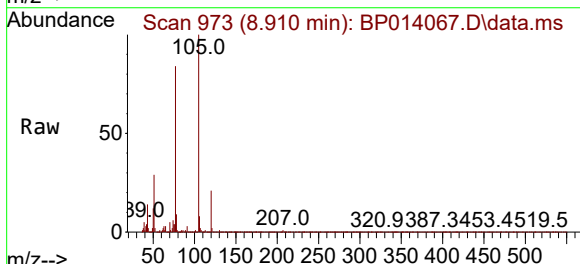
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

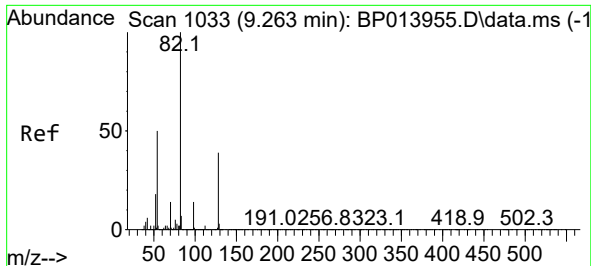
Tgt Ion:136 Resp: 528336
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.5 5.8 8.8
68 5.7 4.0 6.0



#22
Acetophenone
Concen: 7.864 ng
RT: 8.910 min Scan# 973
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:105 Resp: 116543
Ion Ratio Lower Upper
105 100
71 0.6 1.4 2.0#
51 28.7 21.5 32.3
120 20.8 16.2 24.4

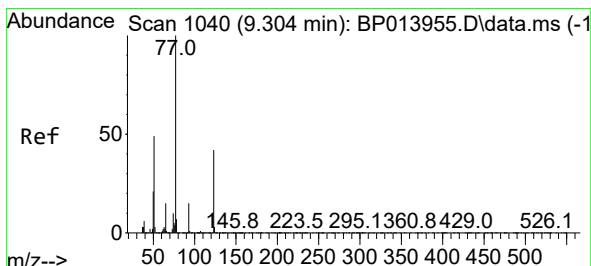
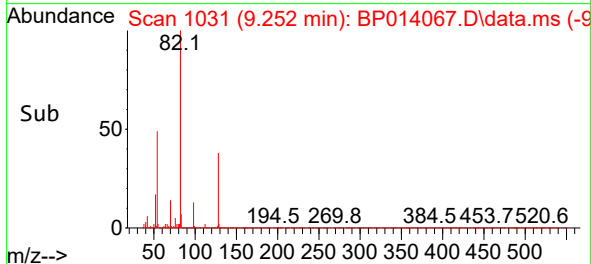
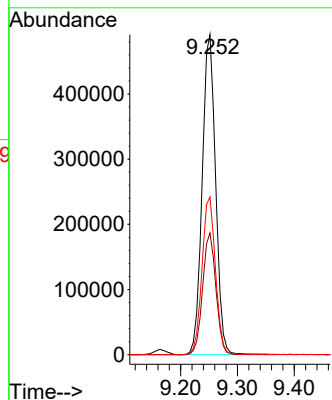
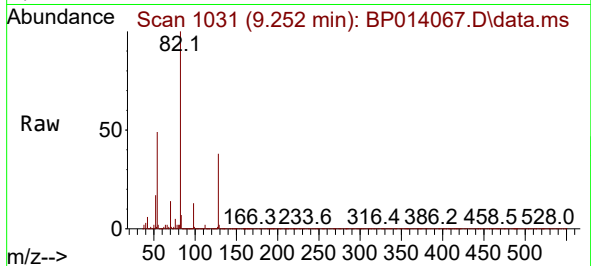




#23
Nitrobenzene-d5
Concen: 69.749 ng
RT: 9.252 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

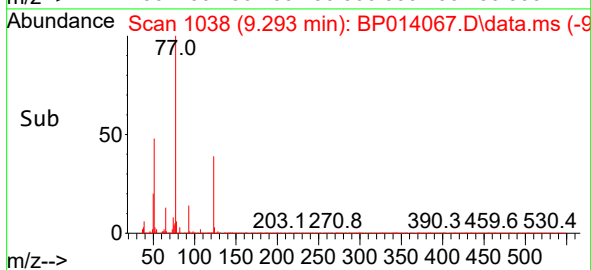
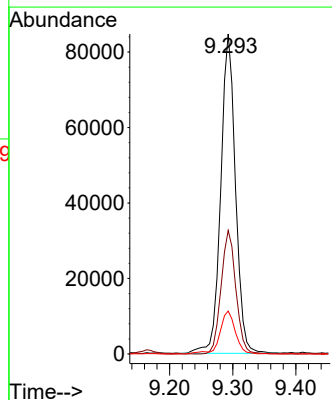
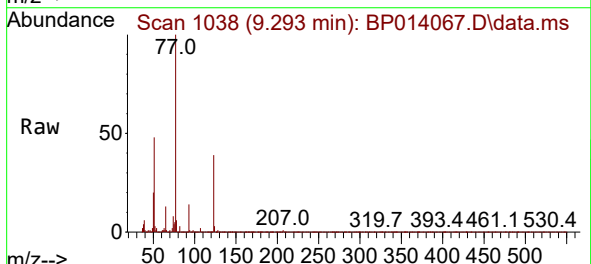
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

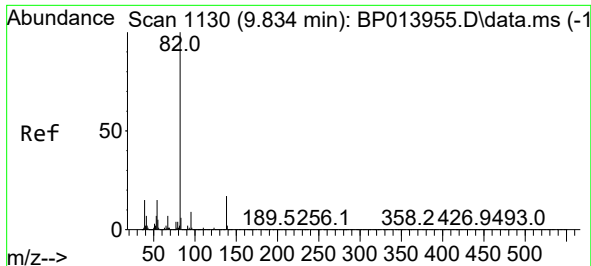
Tgt Ion: 82 Resp: 806270
Ion Ratio Lower Upper
82 100
128 38.0 31.1 46.7
54 49.3 40.0 60.0



#24
Nitrobenzene
Concen: 11.625 ng
RT: 9.293 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 77 Resp: 137494
Ion Ratio Lower Upper
77 100
123 38.6 33.6 50.4
65 13.4 11.6 17.4

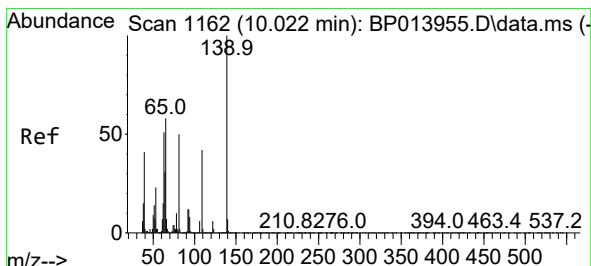
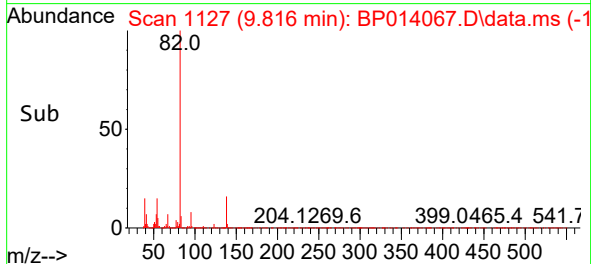
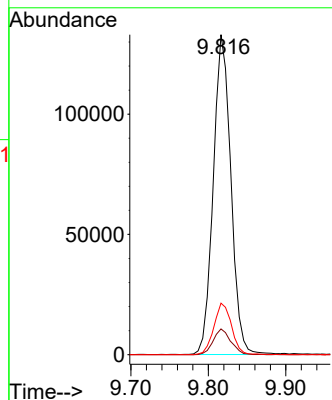
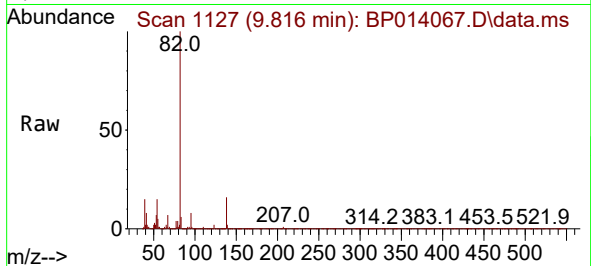




#25
Isophorone
Concen: 9.884 ng
RT: 9.816 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

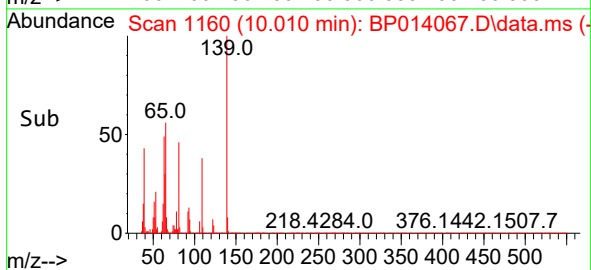
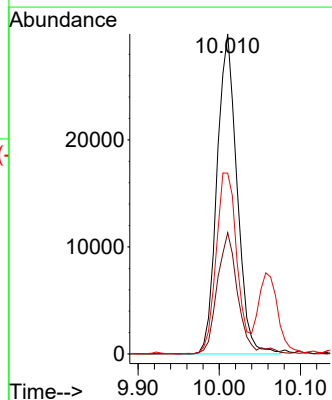
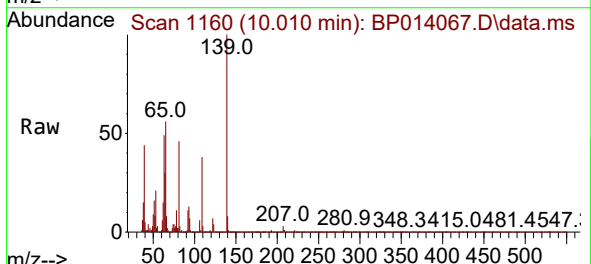
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

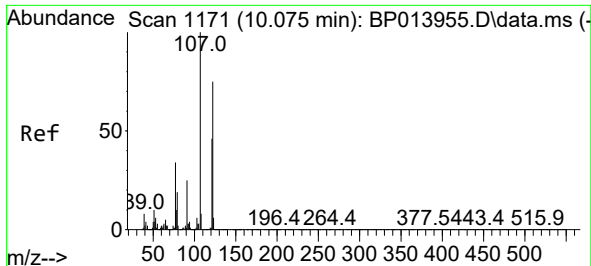
Tgt Ion: 82 Resp: 210534
Ion Ratio Lower Upper
82 100
95 8.0 6.9 10.3
138 16.1 13.3 19.9



#26
2-Nitrophenol
Concen: 9.935 ng
RT: 10.010 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion: 139 Resp: 51115
Ion Ratio Lower Upper
139 100
109 37.9 33.8 50.8
65 56.5 46.6 70.0





#27

2,4-Dimethylphenol

Concen: 10.963 ng

RT: 10.063 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

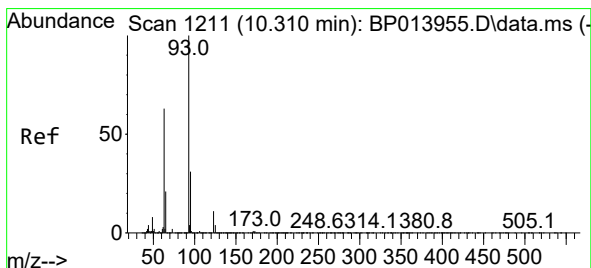
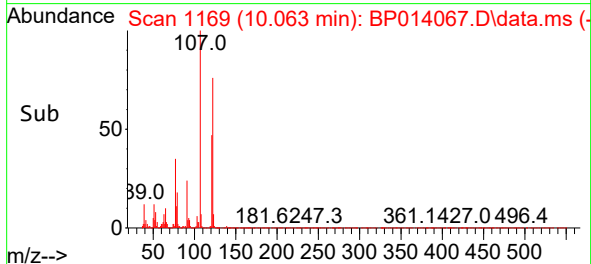
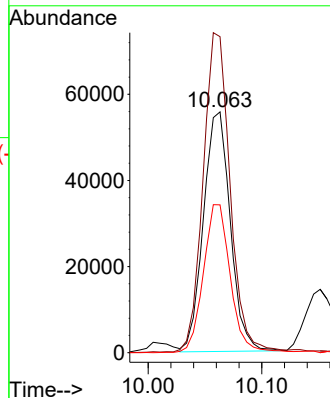
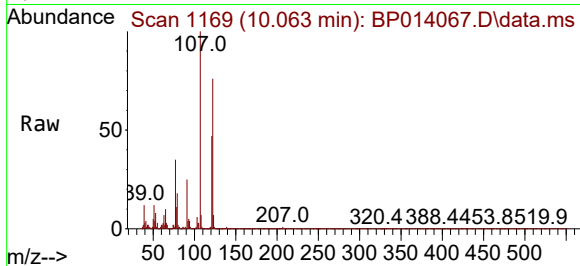
Tgt Ion:122 Resp: 91709

Ion Ratio Lower Upper

122 100

107 131.3 105.9 158.9

121 61.4 49.0 73.4



#28

bis(2-Chloroethoxy)methane

Concen: 11.170 ng

RT: 10.299 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

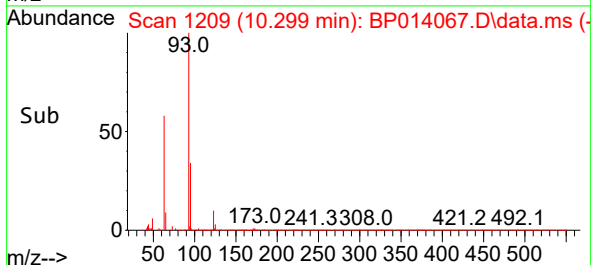
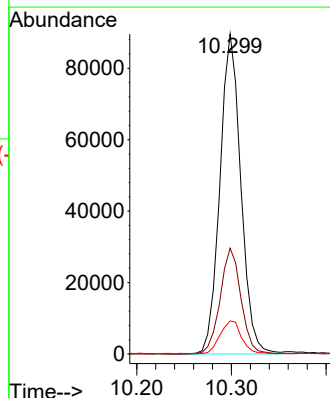
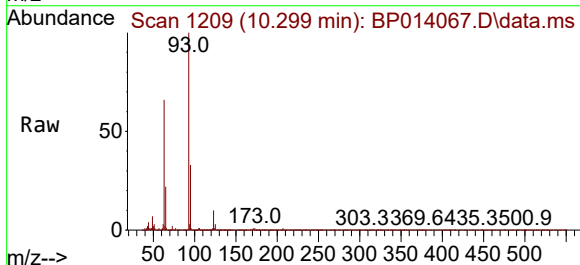
Tgt Ion: 93 Resp: 137702

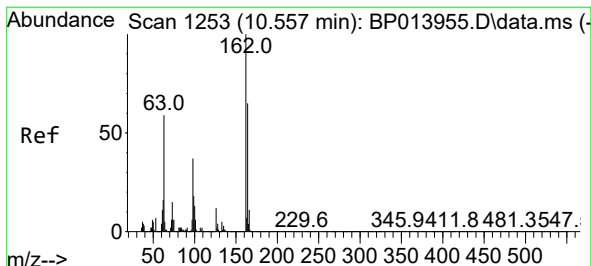
Ion Ratio Lower Upper

93 100

95 33.1 25.0 37.6

123 10.3 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 10.239 ng

RT: 10.546 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

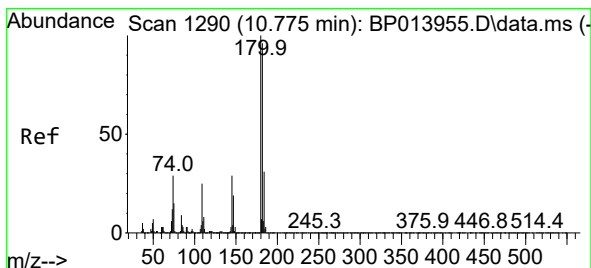
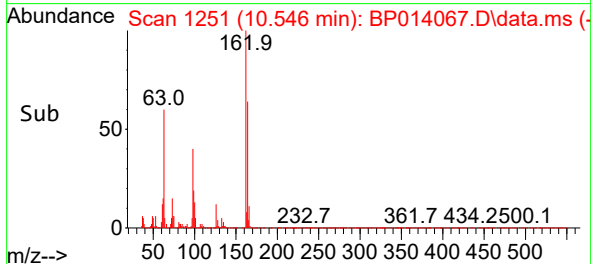
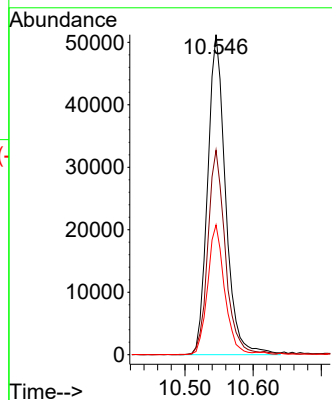
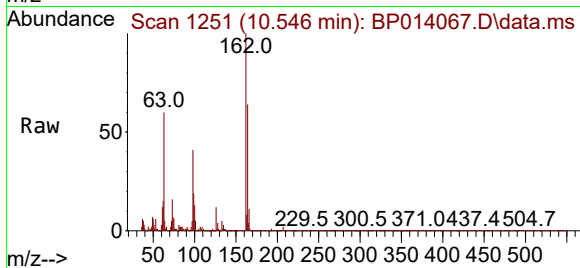
Tgt Ion:162 Resp: 93757

Ion Ratio Lower Upper

162 100

164 63.9 44.7 84.7

98 40.6 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 11.274 ng

RT: 10.757 min Scan# 1287

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

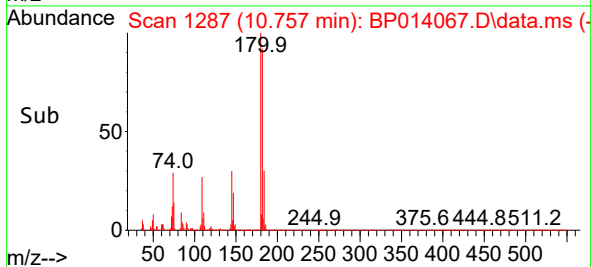
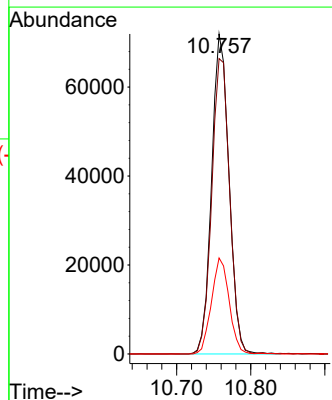
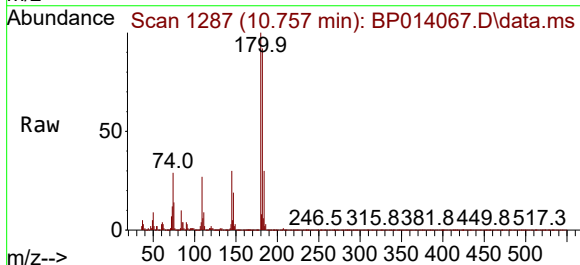
Tgt Ion:180 Resp: 117202

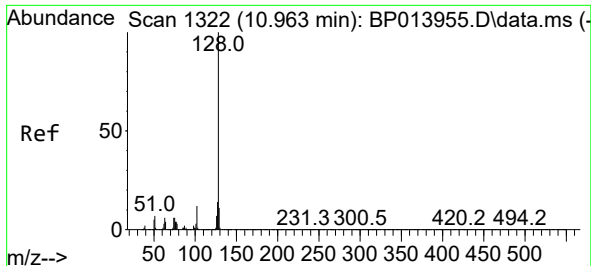
Ion Ratio Lower Upper

180 100

182 92.3 76.6 114.8

145 30.0 23.5 35.3

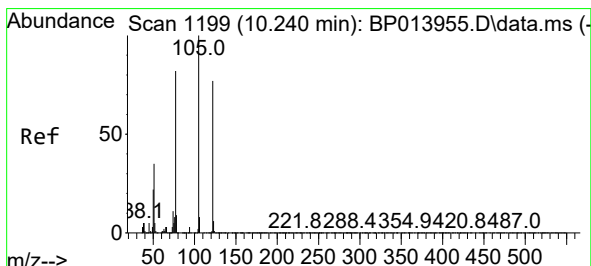
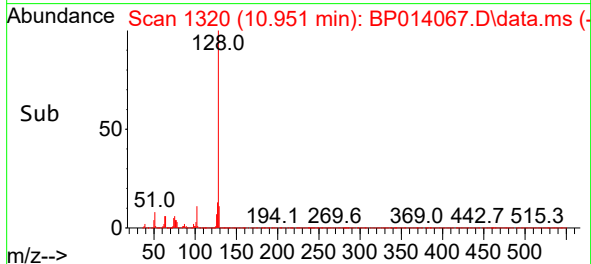
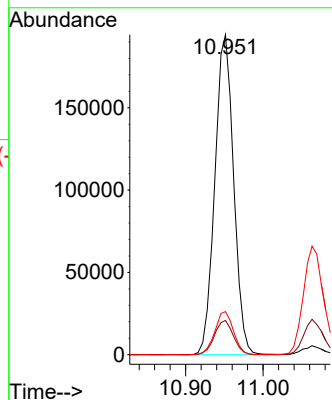
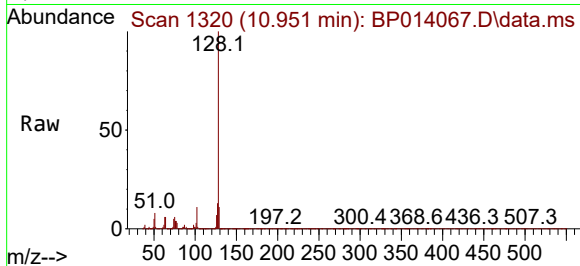




#31
Naphthalene
Concen: 11.258 ng
RT: 10.951 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

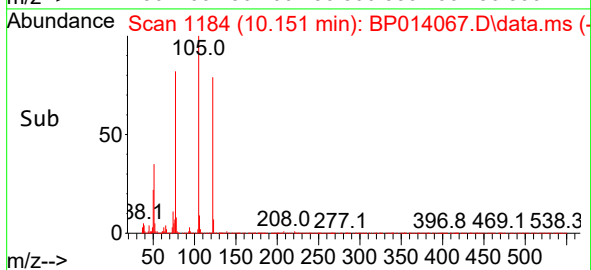
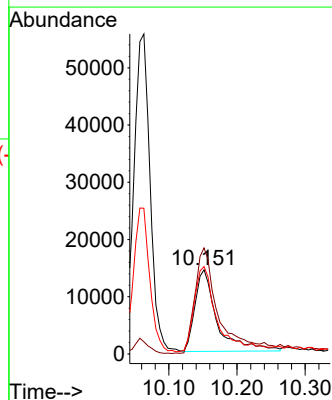
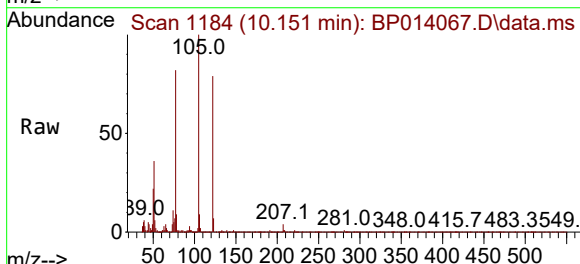
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

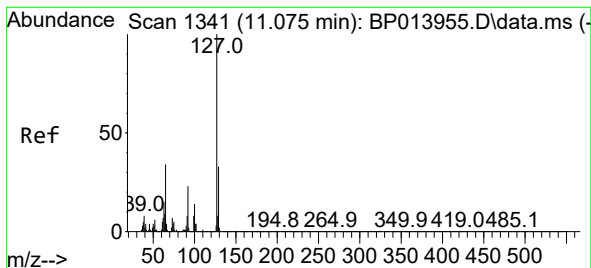
Tgt Ion:128 Resp: 326827
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.5 11.2 16.8



#32
Benzoic acid
Concen: 7.090 ng
RT: 10.151 min Scan# 1184
Delta R.T. -0.059 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:122 Resp: 32240
Ion Ratio Lower Upper
122 100
105 126.0 108.2 148.2
77 103.7 85.2 125.2





#33

4-Chloroaniline

Concen: 9.945 ng

RT: 11.063 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:127 Resp: 123769

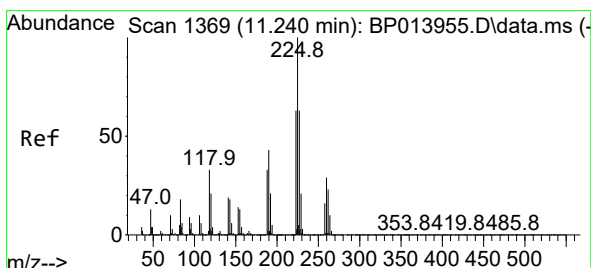
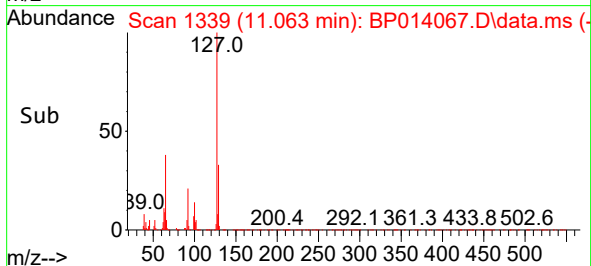
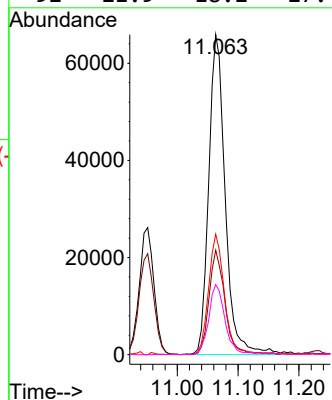
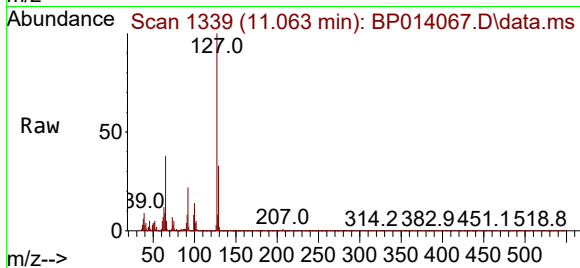
Ion Ratio Lower Upper

127 100

129 32.7 26.2 39.2

65 37.6 27.0 40.4

92 21.9 18.2 27.4



#34

Hexachlorobutadiene

Concen: 10.435 ng

RT: 11.228 min Scan# 1367

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

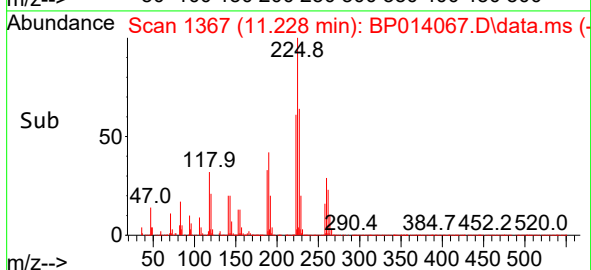
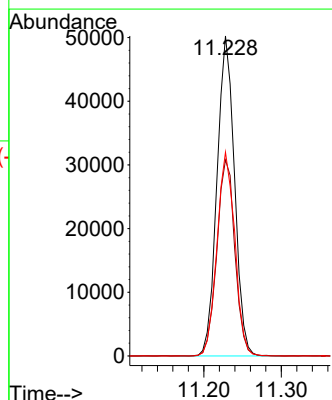
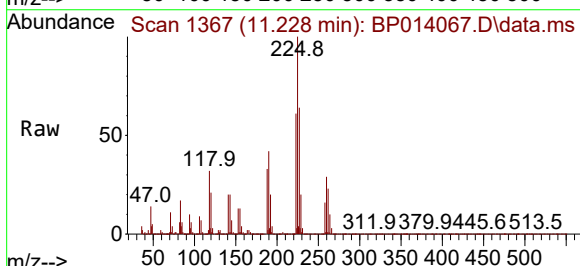
Tgt Ion:225 Resp: 78868

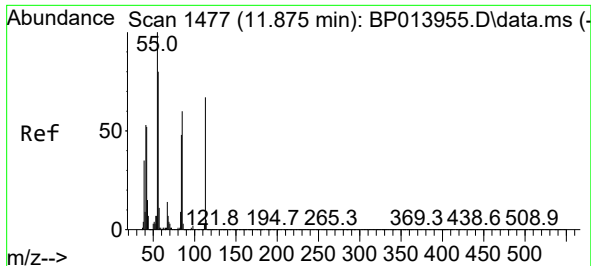
Ion Ratio Lower Upper

225 100

223 61.3 50.6 76.0

227 63.7 50.2 75.4

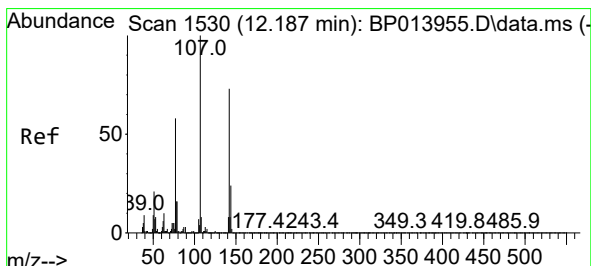
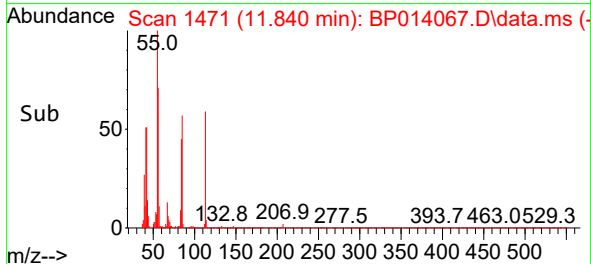
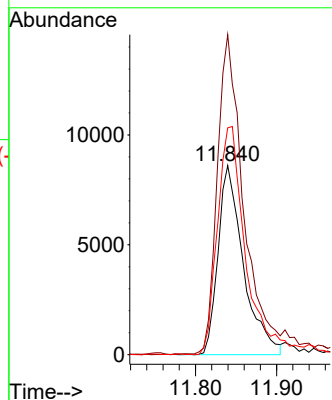
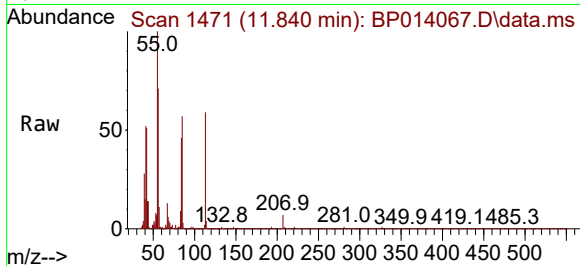




#35
Caprolactam
Concen: 7.139 ng
RT: 11.840 min Scan# 1477
Delta R.T. -0.018 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

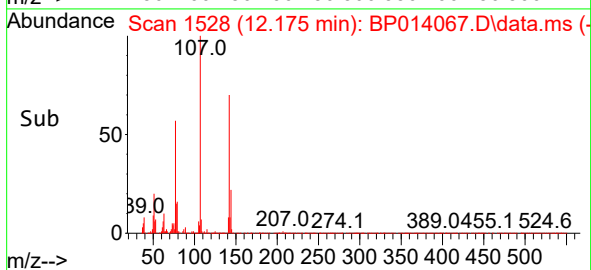
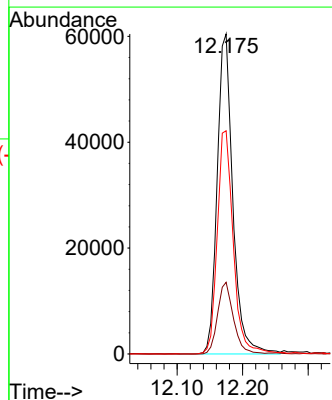
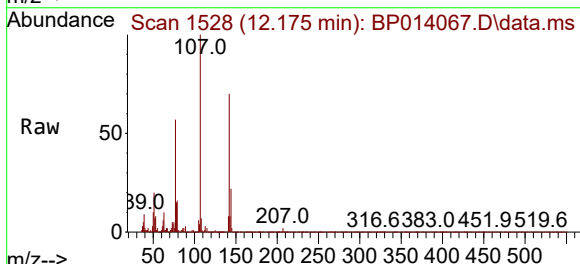
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

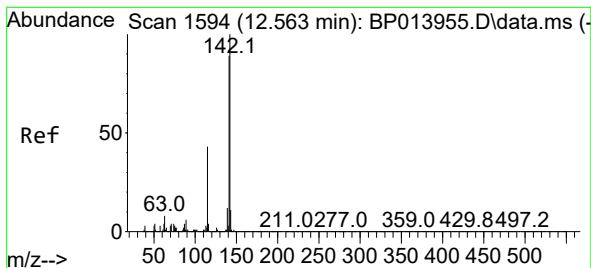
Tgt Ion:113 Resp: 18711
Ion Ratio Lower Upper
113 100
55 169.2 128.9 168.9#
56 120.0 99.6 139.6



#36
4-Chloro-3-methylphenol
Concen: 9.799 ng
RT: 12.175 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:107 Resp: 100077
Ion Ratio Lower Upper
107 100
144 22.4 19.3 28.9
142 69.7 58.5 87.7





#37

2-Methylnaphthalene

Concen: 10.088 ng

RT: 12.545 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

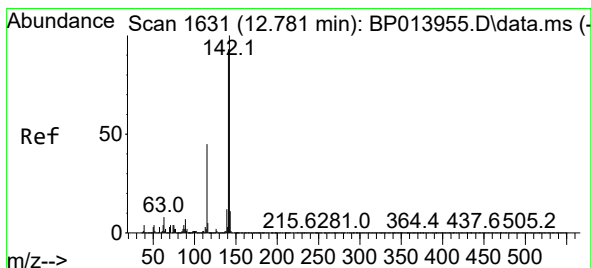
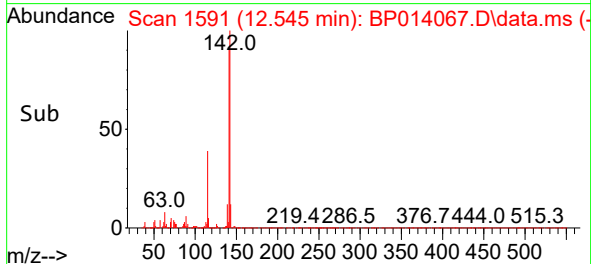
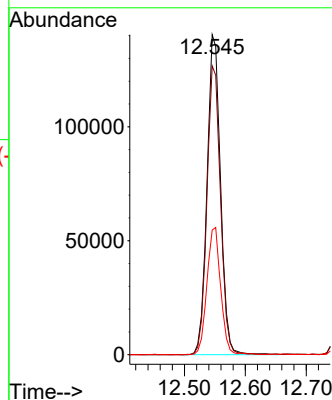
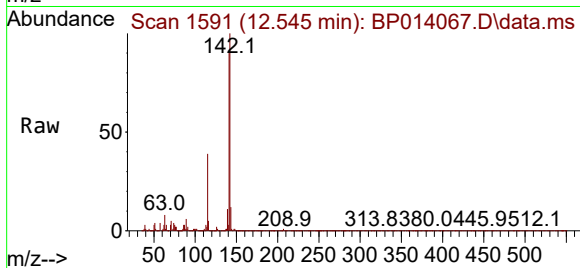
Tgt Ion:142 Resp: 216065

Ion Ratio Lower Upper

142 100

141 90.3 71.0 106.4

115 39.0 34.5 51.7



#38

1-Methylnaphthalene

Concen: 10.094 ng

RT: 12.769 min Scan# 1629

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

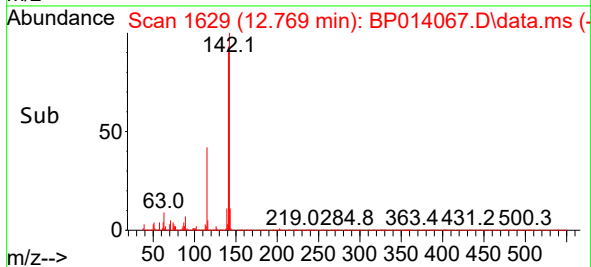
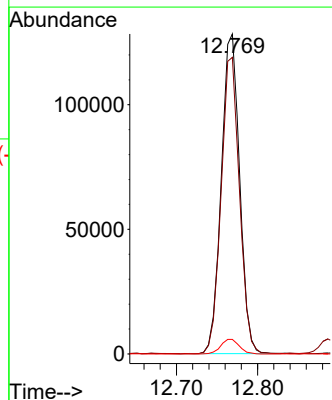
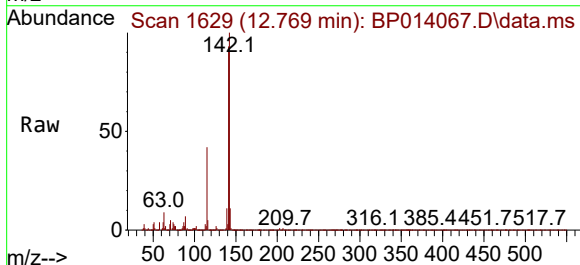
Tgt Ion:142 Resp: 201530

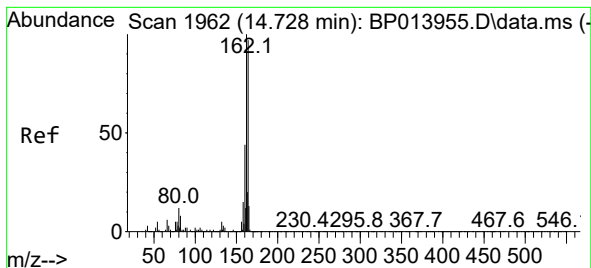
Ion Ratio Lower Upper

142 100

141 92.7 74.4 111.6

116 4.5 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.716 min Scan# 1962

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

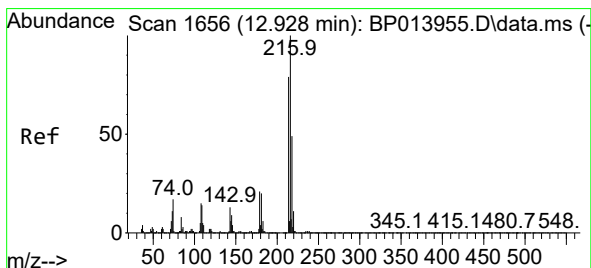
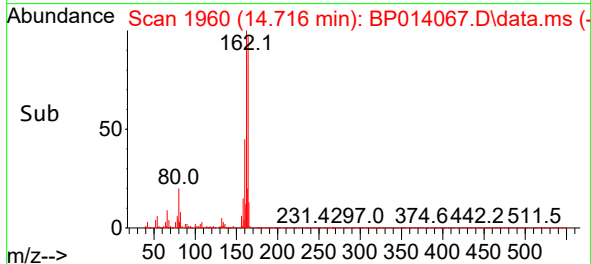
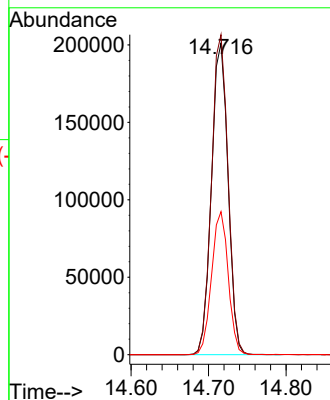
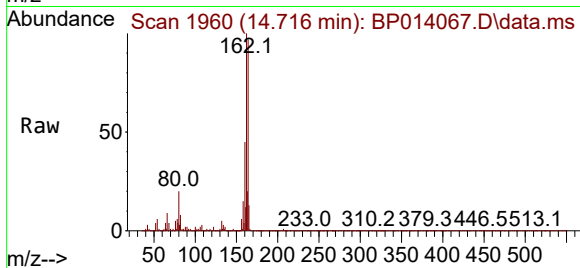
Tgt Ion:164 Resp: 298433

Ion Ratio Lower Upper

164 100

162 102.7 82.1 123.1

160 45.9 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.049 ng

RT: 12.910 min Scan# 1653

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Tgt Ion:216 Resp: 91563

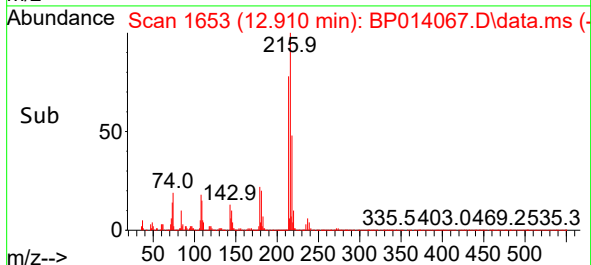
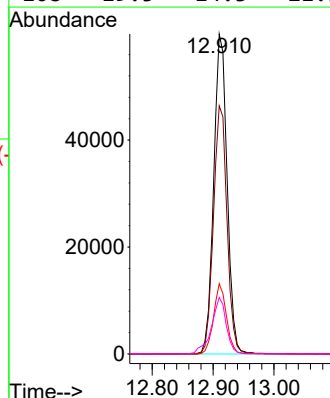
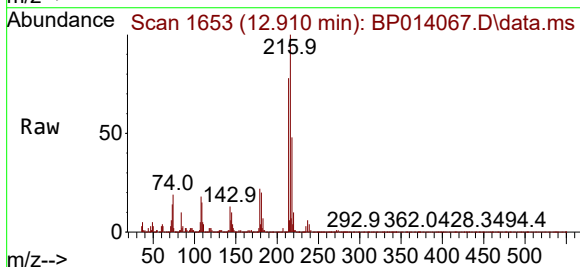
Ion Ratio Lower Upper

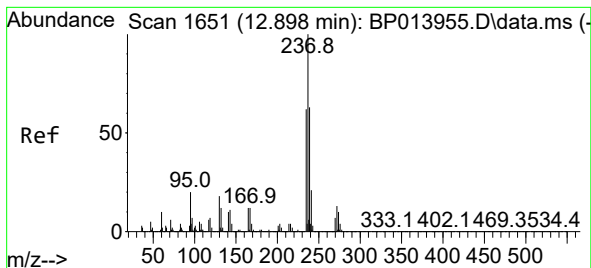
216 100

214 78.2 62.2 93.2

179 21.2 16.6 24.8

108 19.5 14.3 21.5

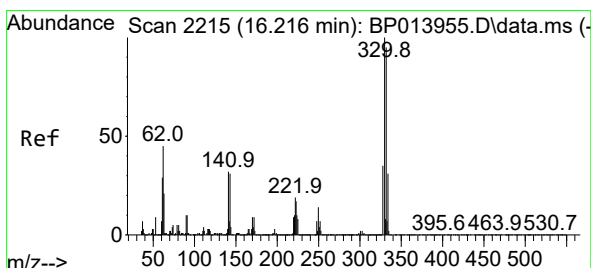
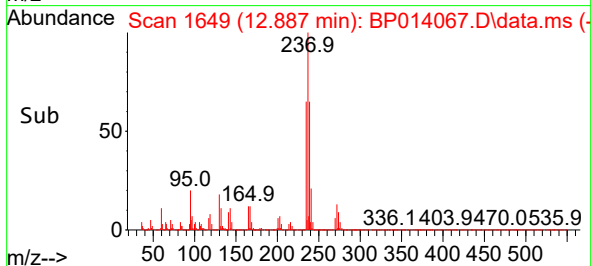
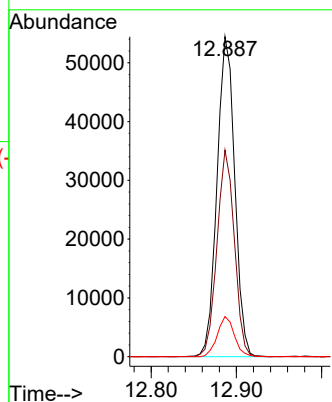
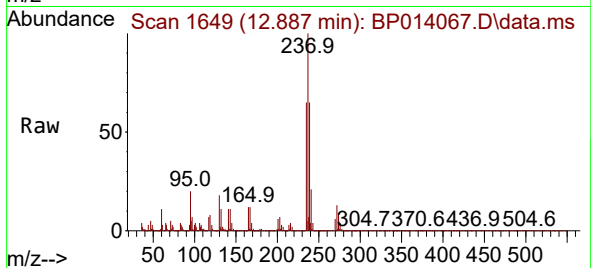




#41
Hexachlorocyclopentadiene
Concen: 11.023 ng
RT: 12.887 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

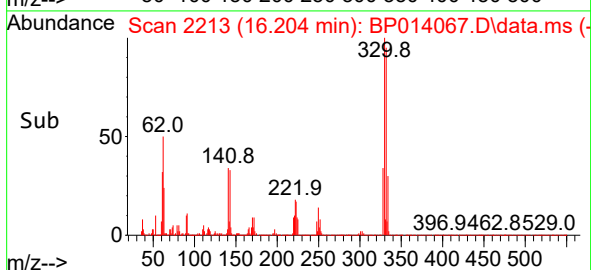
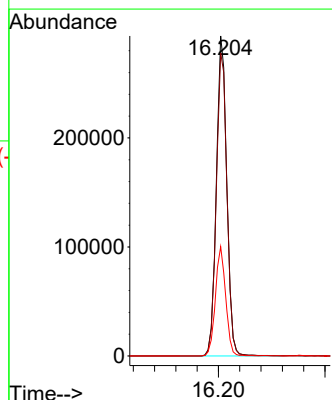
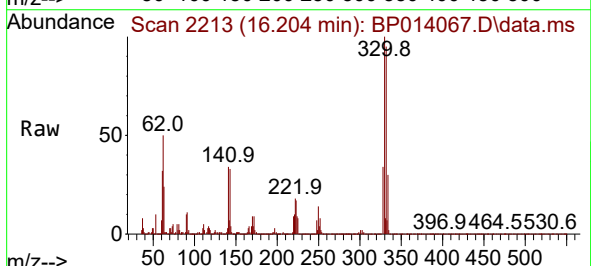
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

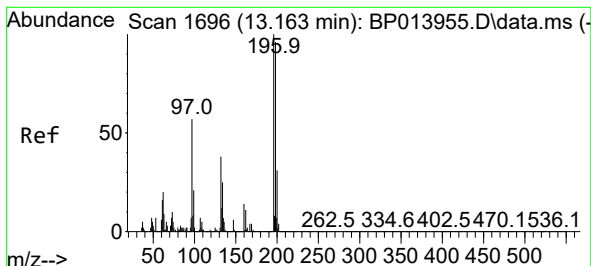
Tgt Ion:237 Resp: 78690
Ion Ratio Lower Upper
237 100
235 64.5 41.9 81.9
272 12.6 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 82.184 ng
RT: 16.204 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:330 Resp: 397662
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 33.9 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 10.287 ng

RT: 13.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

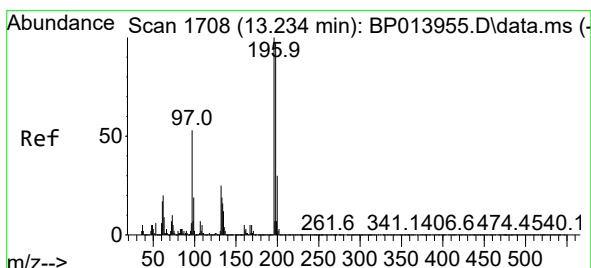
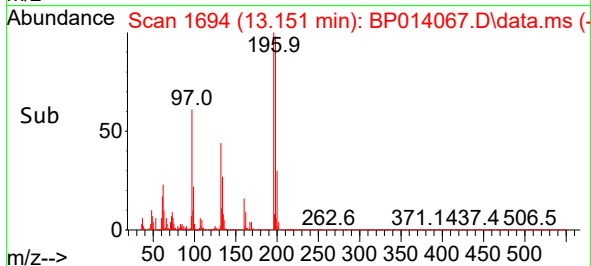
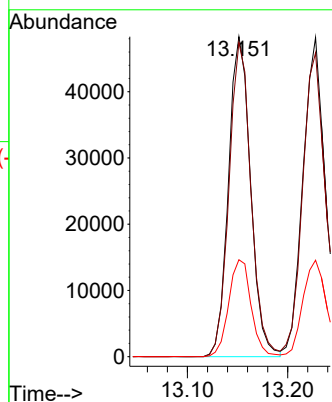
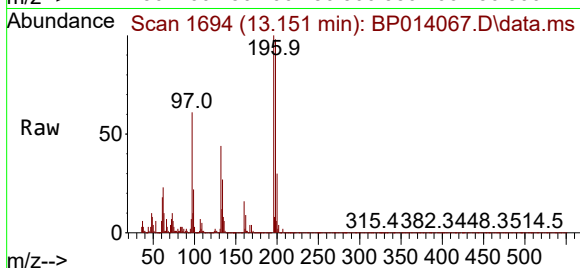
Tgt Ion:196 Resp: 73964

Ion Ratio Lower Upper

196 100

198 98.2 76.7 115.1

200 30.3 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 9.404 ng

RT: 13.228 min Scan# 1707

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Tgt Ion:196 Resp: 78357

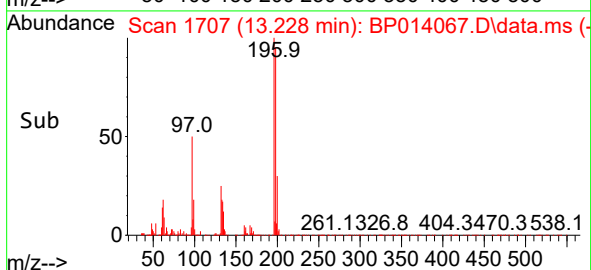
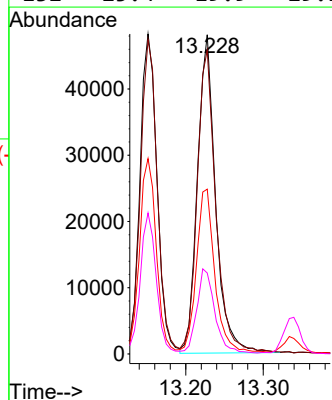
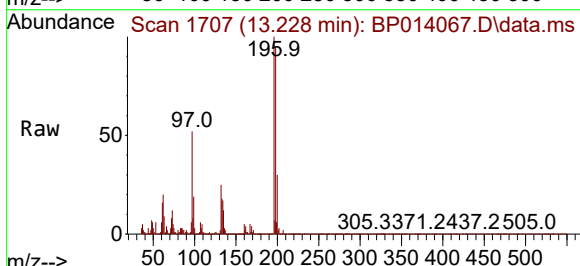
Ion Ratio Lower Upper

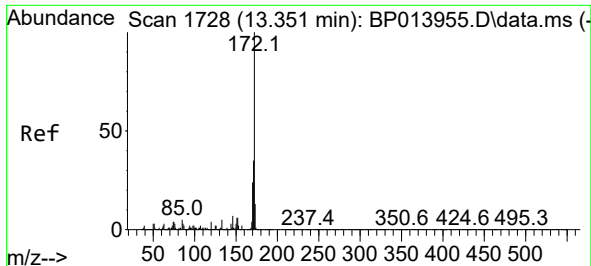
196 100

198 95.2 77.5 116.3

97 51.6 42.6 64.0

132 25.4 19.9 29.9

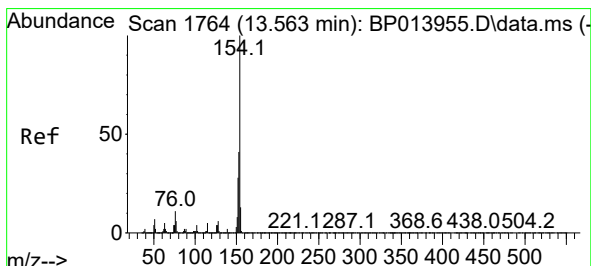
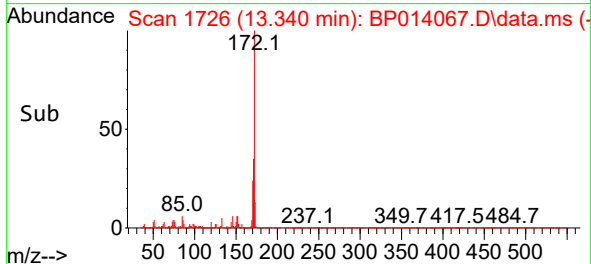
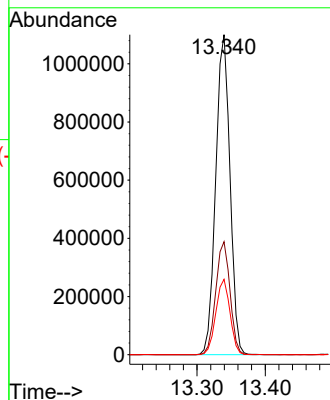
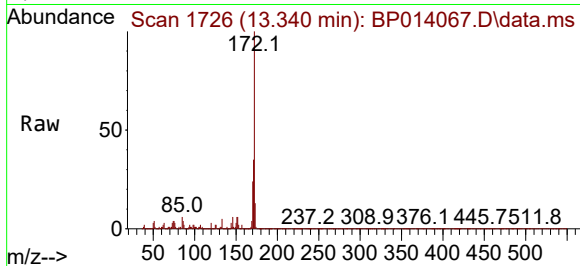




#45
2-Fluorobiphenyl
Concen: 69.511 ng
RT: 13.340 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

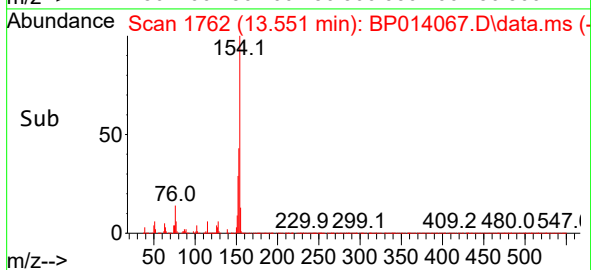
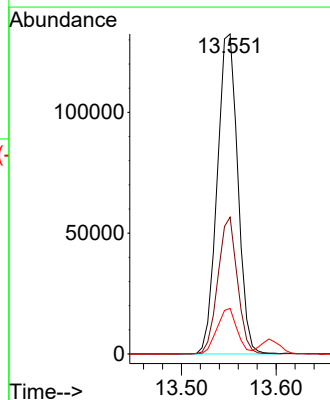
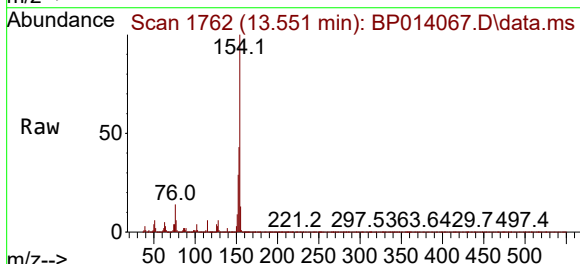
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

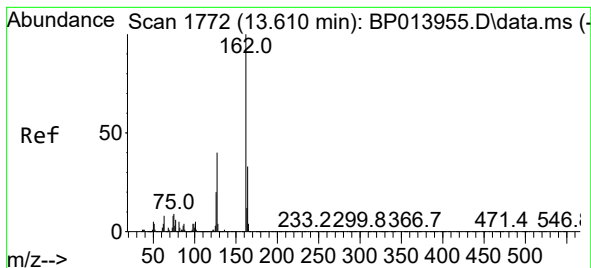
Tgt Ion:172 Resp: 1601166
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.6 19.0 28.4



#46
1,1'-Biphenyl
Concen: 8.320 ng
RT: 13.551 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:154 Resp: 199867
Ion Ratio Lower Upper
154 100
153 42.7 21.0 61.0
76 14.3 0.0 31.0





#47

2-Chloronaphthalene

Concen: 11.918 ng

RT: 13.592 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

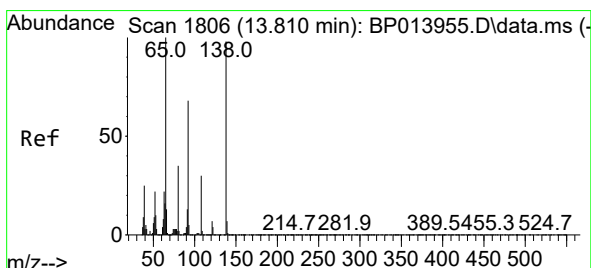
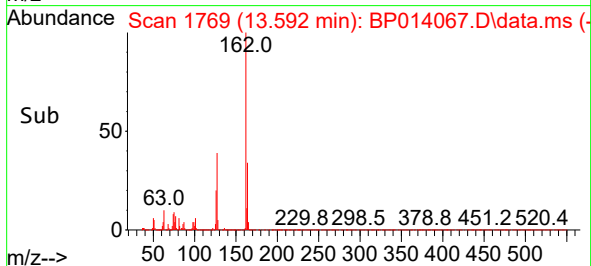
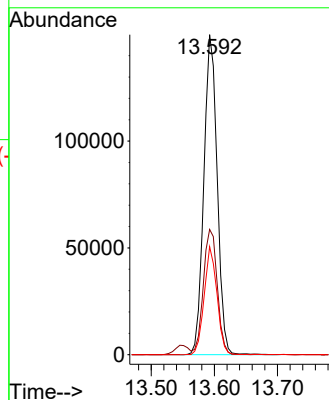
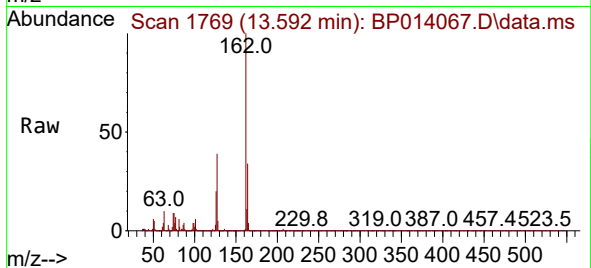
Tgt Ion:162 Resp: 220396

Ion Ratio Lower Upper

162 100

127 39.2 32.5 48.7

164 33.8 26.3 39.5



#48

2-Nitroaniline

Concen: 9.700 ng

RT: 13.798 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

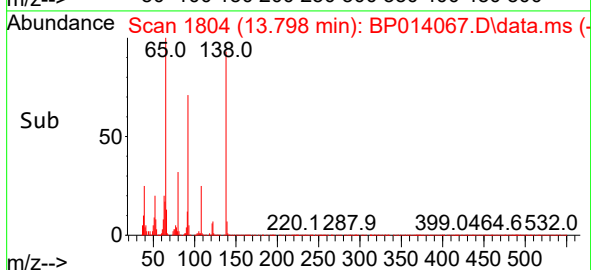
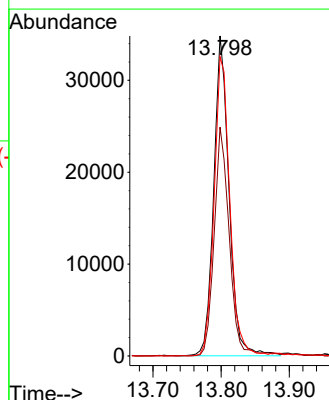
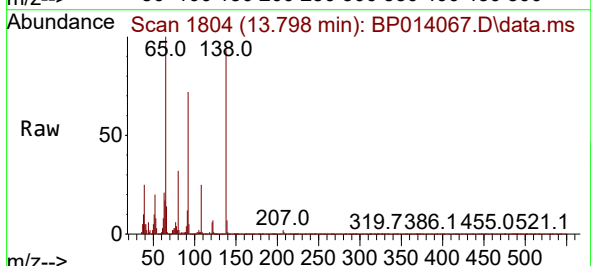
Tgt Ion: 65 Resp: 54438

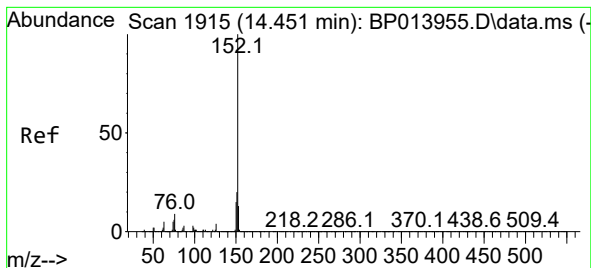
Ion Ratio Lower Upper

65 100

92 71.5 54.4 81.6

138 93.5 78.0 117.0





#49

Acenaphthylene

Concen: 10.878 ng

RT: 14.439 min Scan# 1915

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

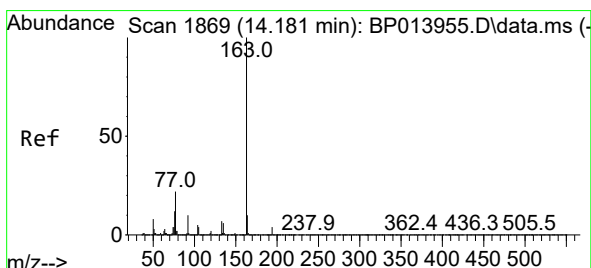
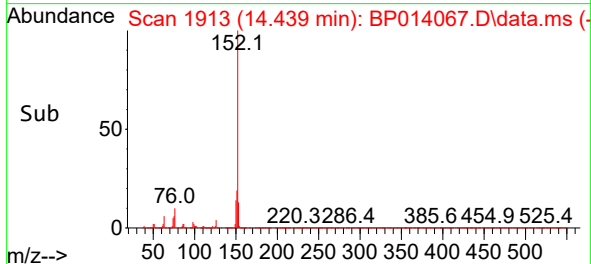
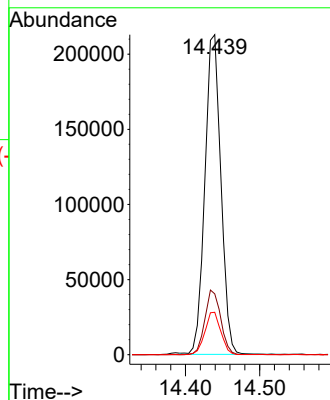
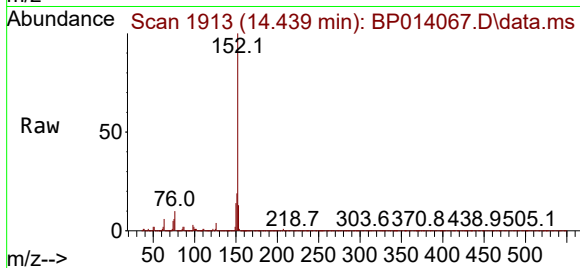
Tgt Ion:152 Resp: 319911

Ion Ratio Lower Upper

152 100

151 19.0 16.1 24.1

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 10.196 ng

RT: 14.163 min Scan# 1866

Delta R.T. -0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

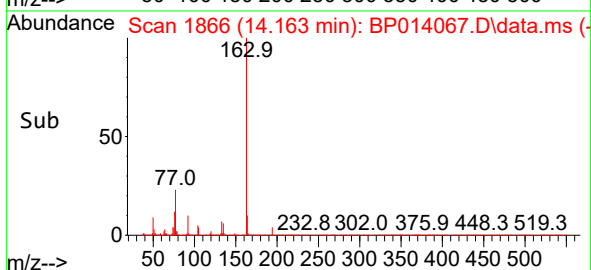
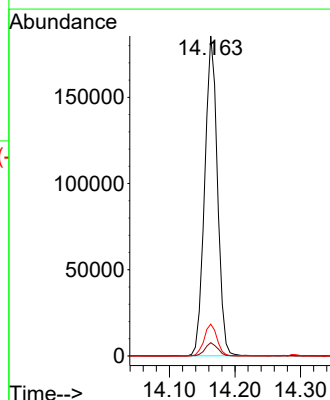
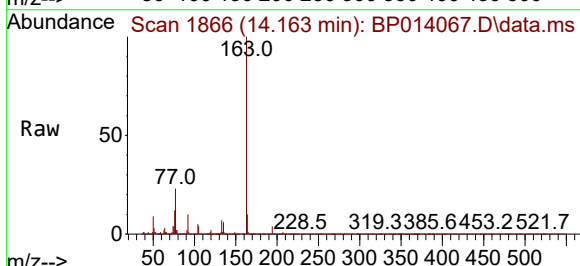
Tgt Ion:163 Resp: 251035

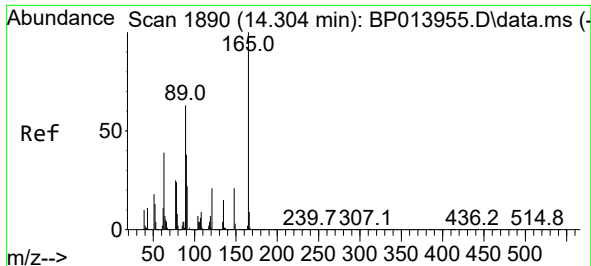
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

164 10.0 8.1 12.1

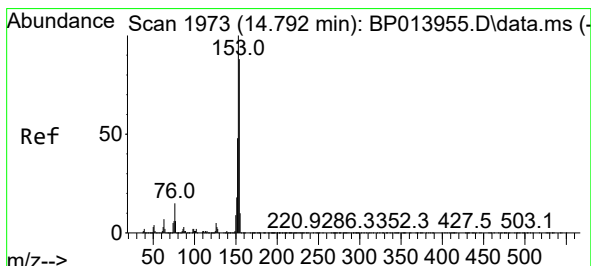
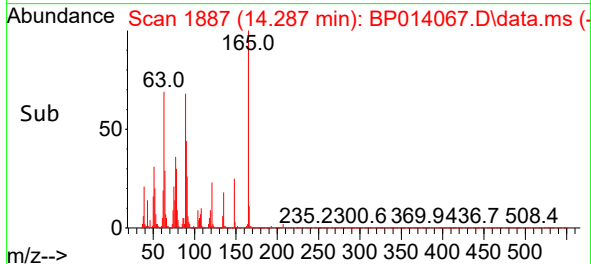
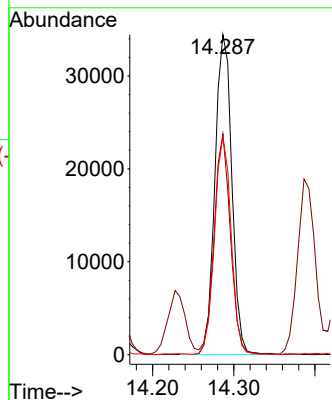
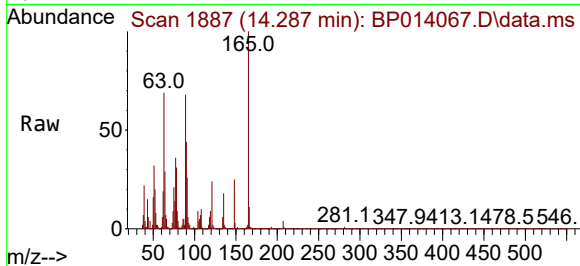




#51
2,6-Dinitrotoluene
Concen: 9.579 ng
RT: 14.287 min Scan# 1887
Delta R.T. -0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

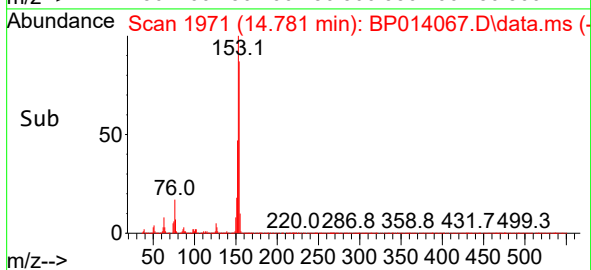
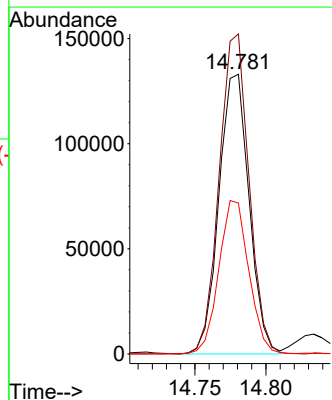
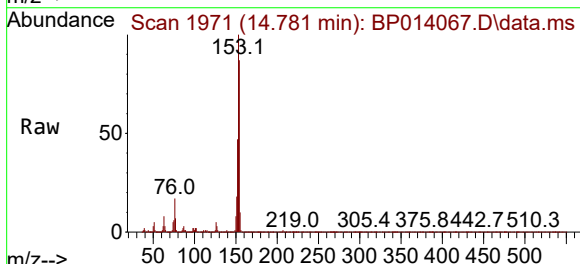
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

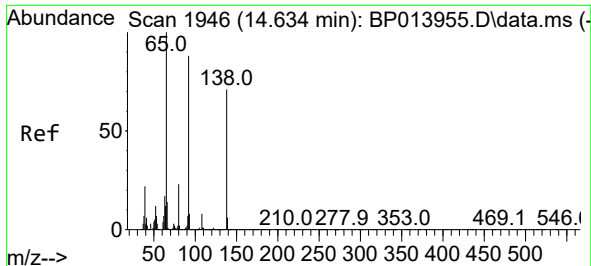
Tgt Ion:165 Resp: 49663
Ion Ratio Lower Upper
165 100
63 69.0 46.7 70.1
89 67.9 50.8 76.2



#52
Acenaphthene
Concen: 11.121 ng
RT: 14.781 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:154 Resp: 196870
Ion Ratio Lower Upper
154 100
153 114.4 91.3 136.9
152 53.9 43.4 65.0

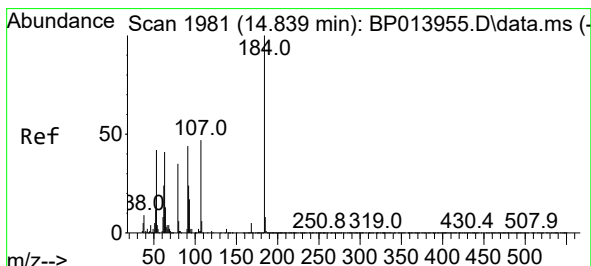
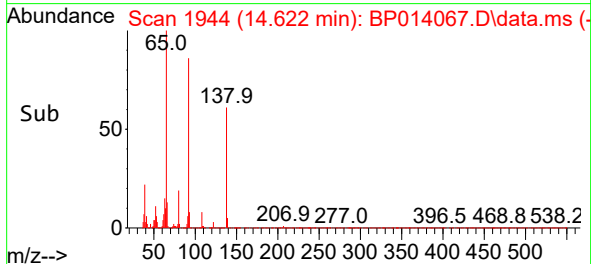
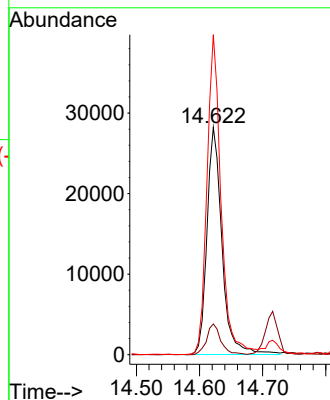
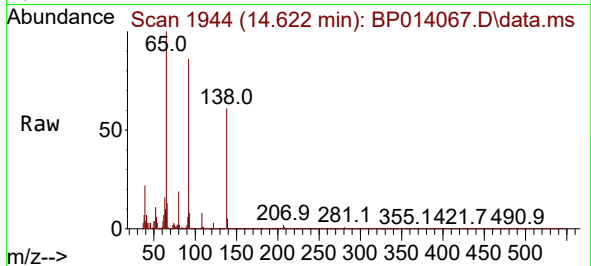




#53
3-Nitroaniline
Concen: 9.193 ng
RT: 14.622 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

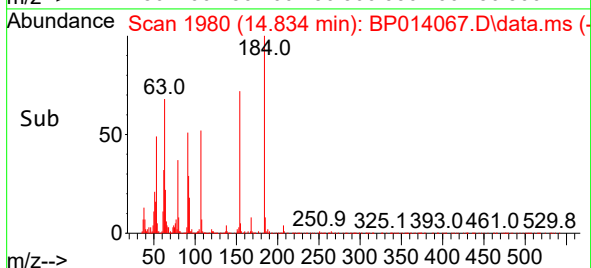
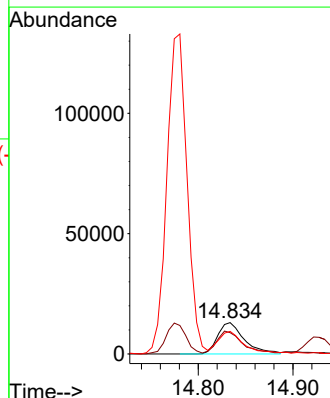
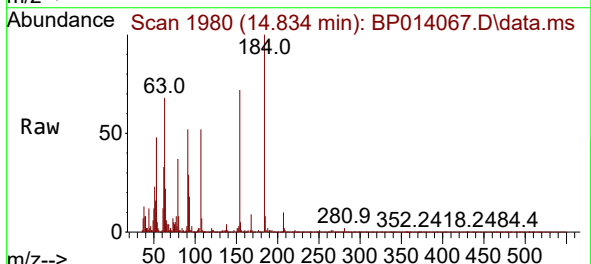
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

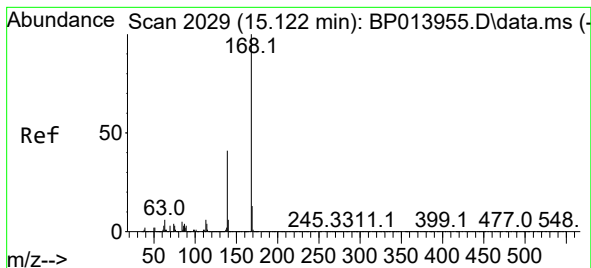
Tgt Ion:138 Resp: 46711
Ion Ratio Lower Upper
138 100
108 13.5 9.5 14.3
92 140.8 99.2 148.8



#54
2,4-Dinitrophenol
Concen: 9.418 ng
RT: 14.834 min Scan# 1980
Delta R.T. 0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:184 Resp: 25346
Ion Ratio Lower Upper
184 100
63 68.0 52.4 78.6
154 72.3 59.4 89.2





#55

Dibenzofuran

Concen: 11.078 ng

RT: 15.110 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

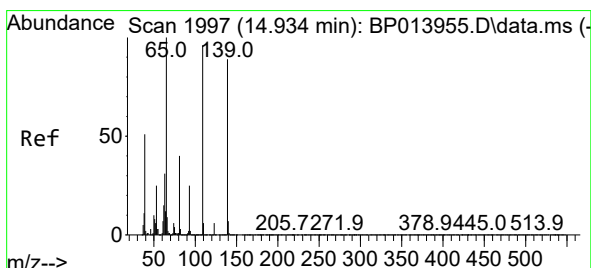
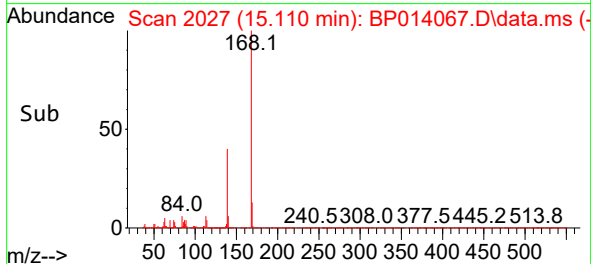
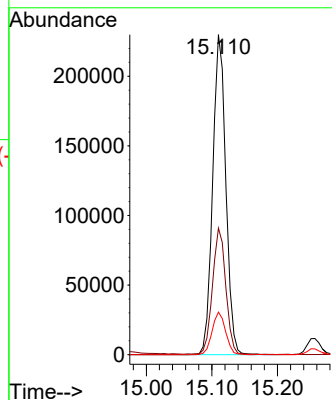
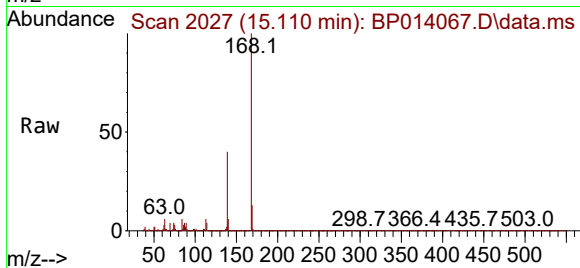
Tgt Ion:168 Resp: 319718

Ion Ratio Lower Upper

168 100

139 39.5 32.9 49.3

169 13.3 10.6 15.8



#56

4-Nitrophenol

Concen: 10.046 ng

RT: 14.928 min Scan# 1996

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

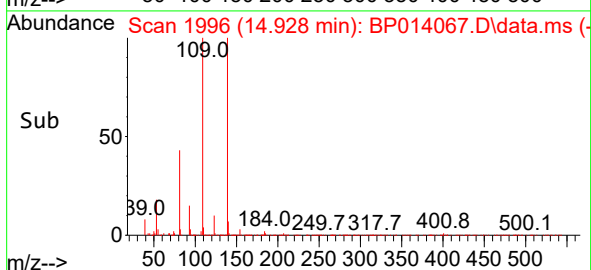
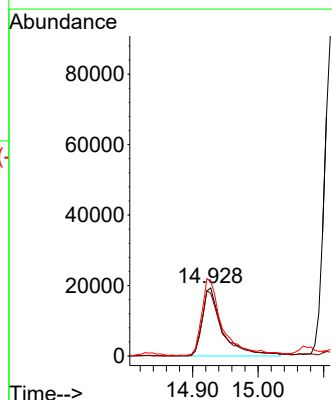
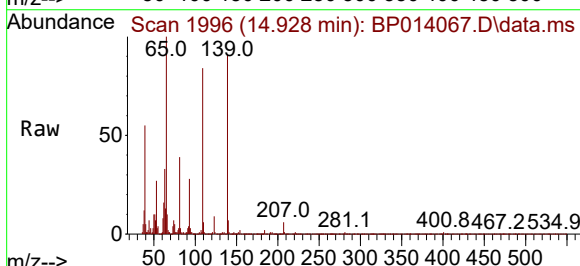
Tgt Ion:139 Resp: 41565

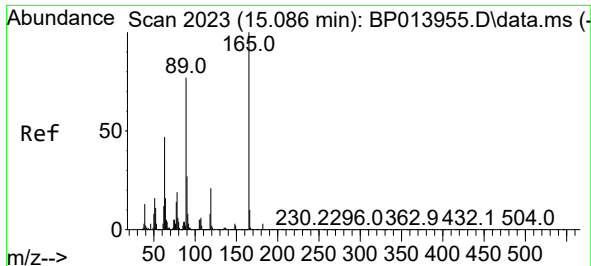
Ion Ratio Lower Upper

139 100

109 91.8 87.0 127.0

65 109.8 92.1 132.1





#57

2,4-Dinitrotoluene

Concen: 8.901 ng

RT: 15.075 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:165 Resp: 61686

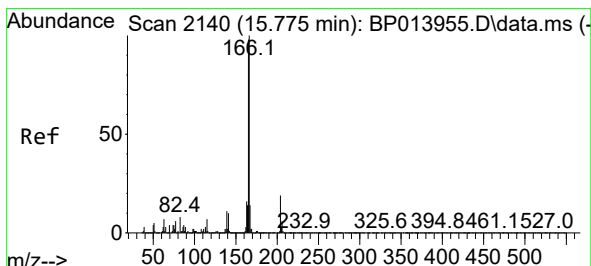
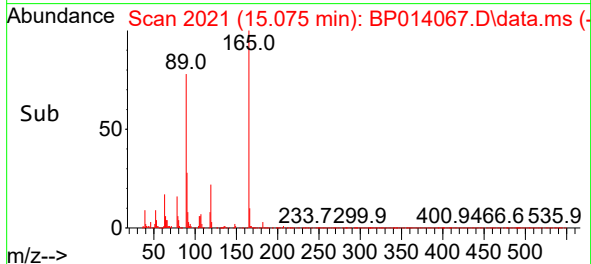
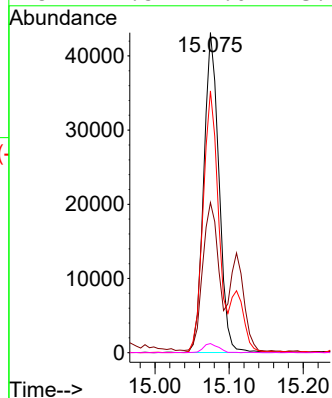
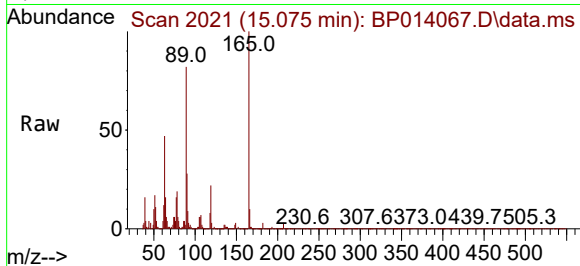
Ion Ratio Lower Upper

165 100

63 46.9 37.5 56.3

89 81.8 61.8 92.8

182 2.8 2.0 3.0



#58

Fluorene

Concen: 10.753 ng

RT: 15.763 min Scan# 2138

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

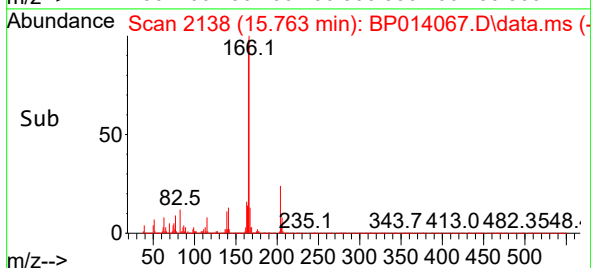
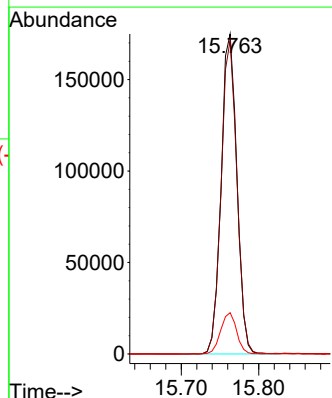
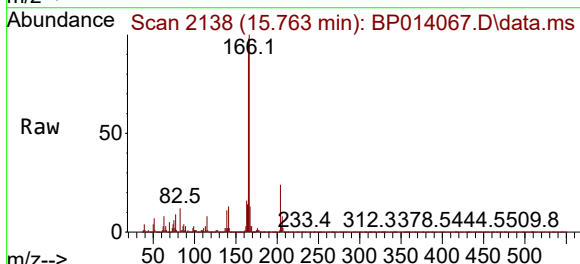
Tgt Ion:166 Resp: 246406

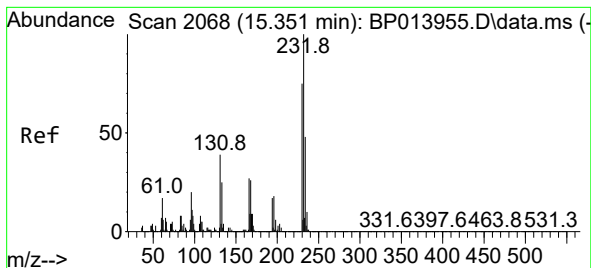
Ion Ratio Lower Upper

166 100

165 98.0 78.1 117.1

167 12.9 10.8 16.2

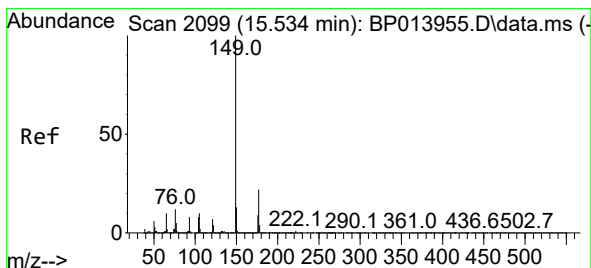
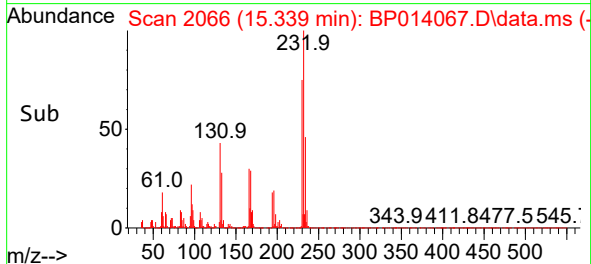
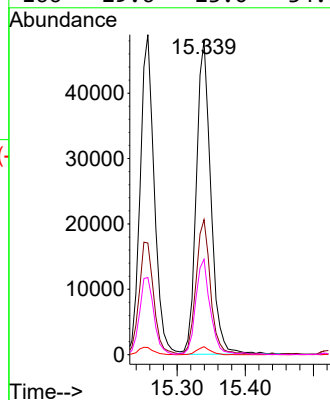
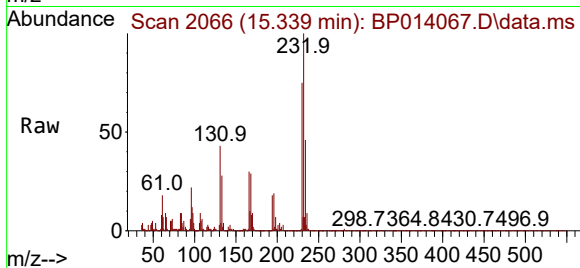




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.745 ng
RT: 15.339 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

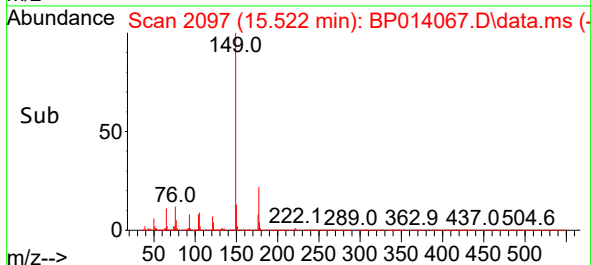
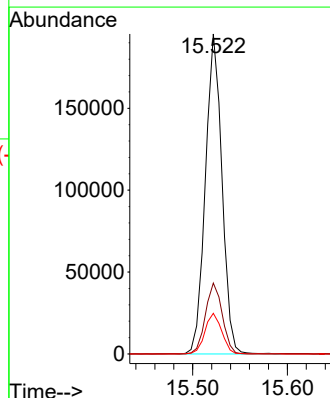
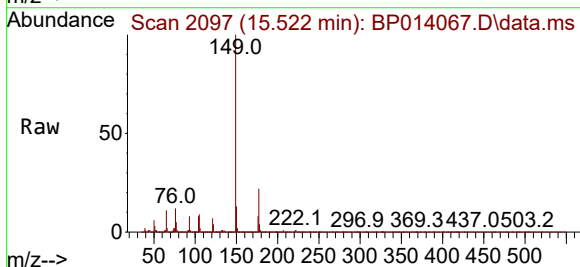
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

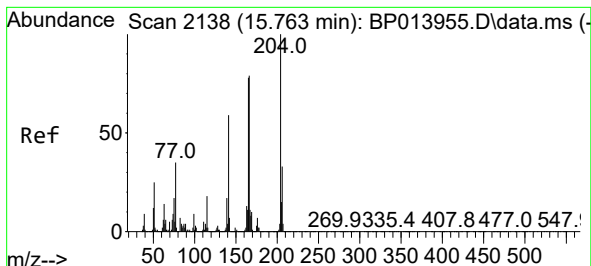
Tgt Ion:	232	Resp:	70837
Ion Ratio	Lower	Upper	
232	100		
131	43.1	32.5	48.7
130	2.3	1.9	2.9
166	29.6	23.0	34.6



#60
Diethylphthalate
Concen: 9.739 ng
RT: 15.522 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:	149	Resp:	236743
Ion Ratio	Lower	Upper	
149	100		
177	22.1	18.0	27.0
150	12.7	10.3	15.5

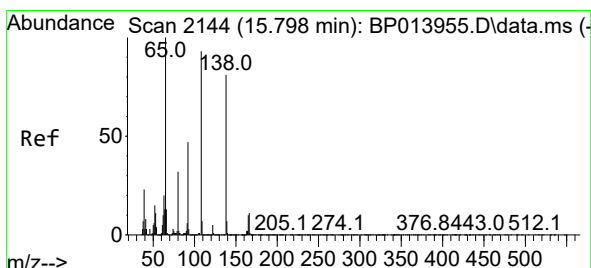
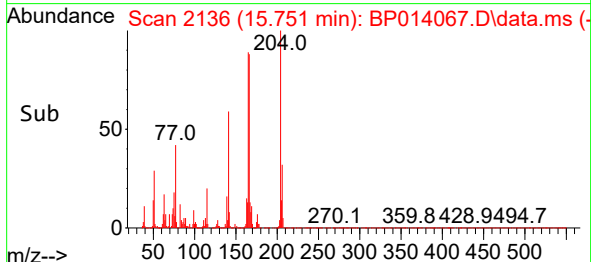
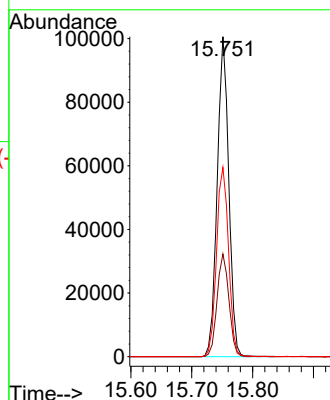
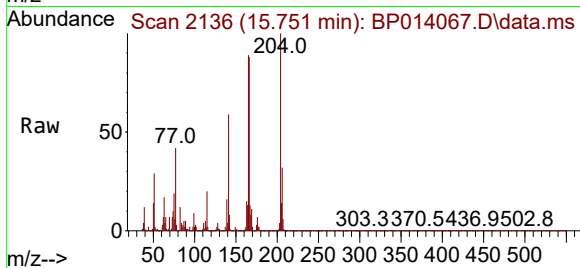




#61
4-Chlorophenyl-phenylether
Concen: 10.178 ng
RT: 15.751 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

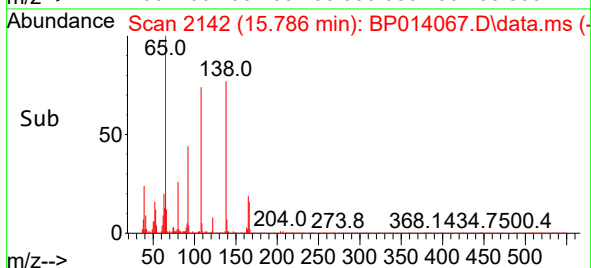
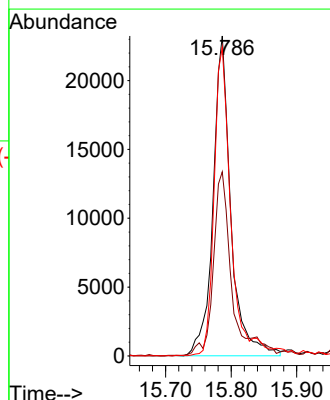
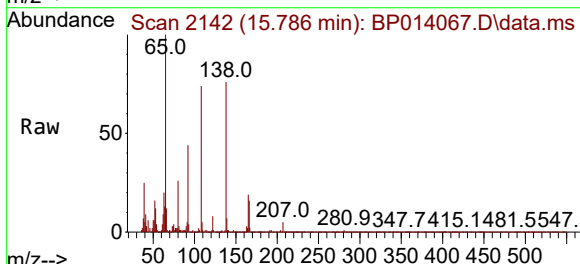
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

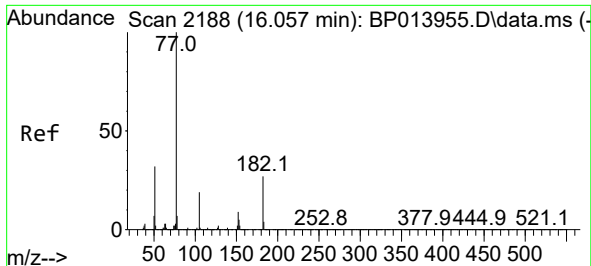
Tgt Ion:204 Resp: 132216
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.4
141 59.1 46.9 70.3



#62
4-Nitroaniline
Concen: 8.678 ng
RT: 15.786 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:138 Resp: 43904
Ion Ratio Lower Upper
138 100
92 57.6 37.9 77.9
108 96.5 94.9 134.9

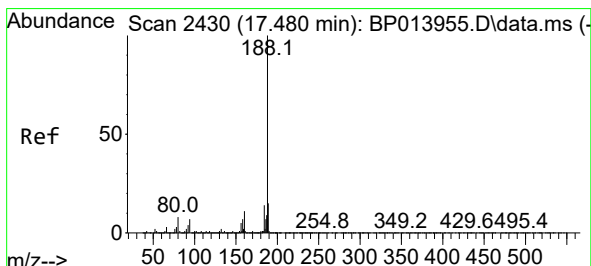
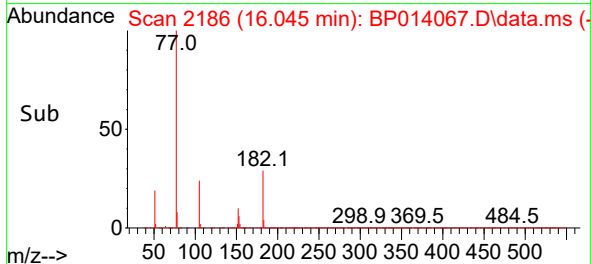
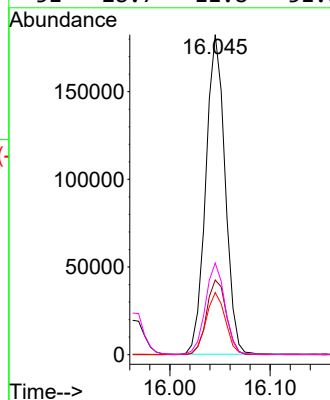
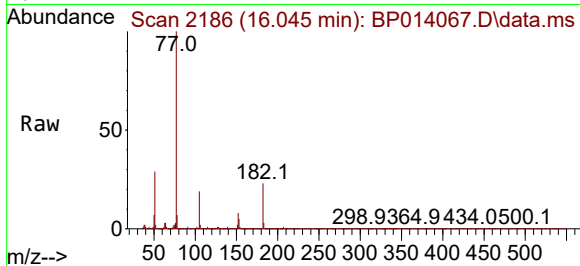




#63
Azobenzene
Concen: 10.838 ng
RT: 16.045 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

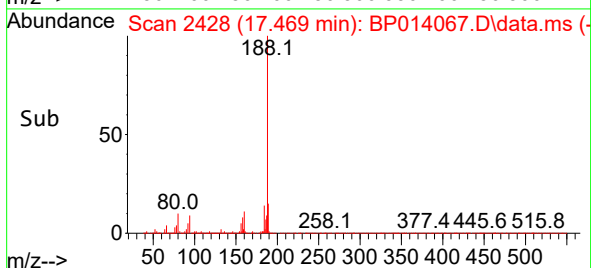
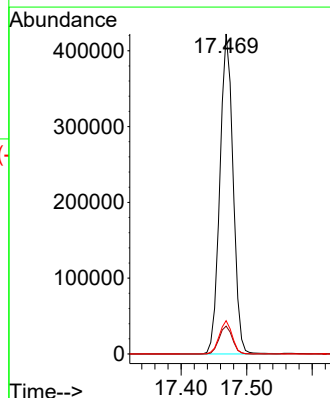
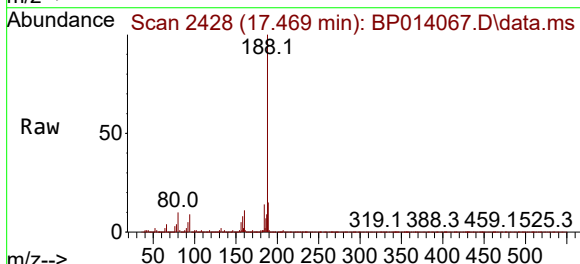
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

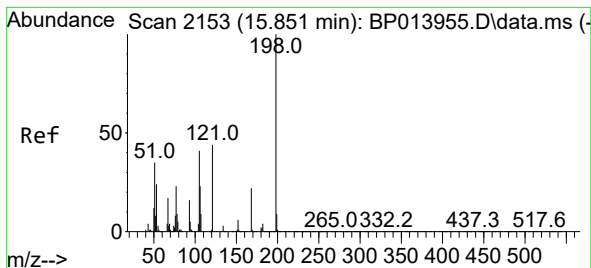
Tgt Ion: 77	Resp: 243774
Ion Ratio	Lower Upper
77 100	
182 23.3	6.9 46.9
105 19.4	0.0 39.4
51 28.7	11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.469 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:188	Resp: 588755
Ion Ratio	Lower Upper
188 100	
94 8.7	5.8 8.6#
80 10.4	6.6 9.8#

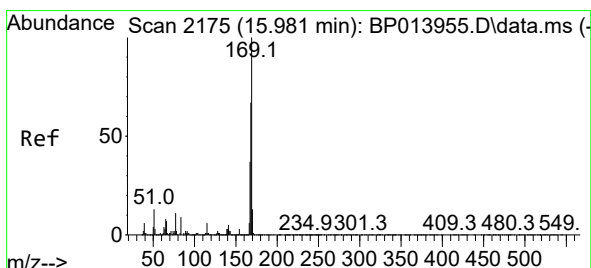
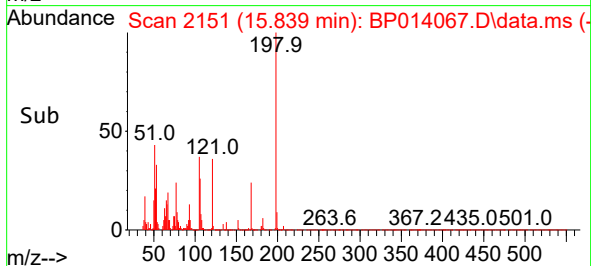
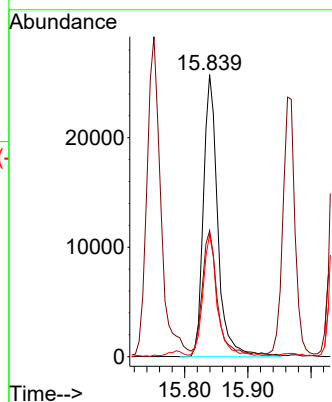
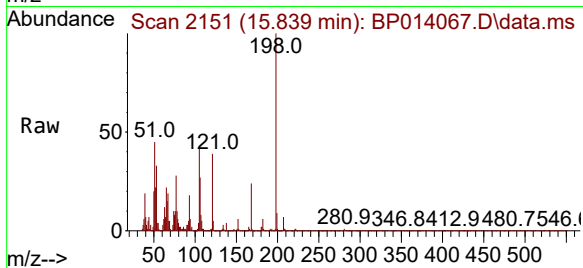




#65
4,6-Dinitro-2-methylphenol
Concen: 9.326 ng
RT: 15.839 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

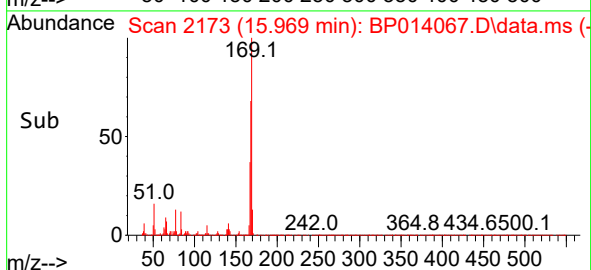
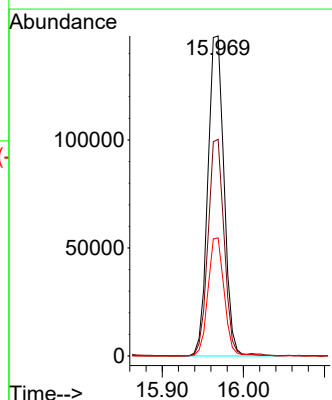
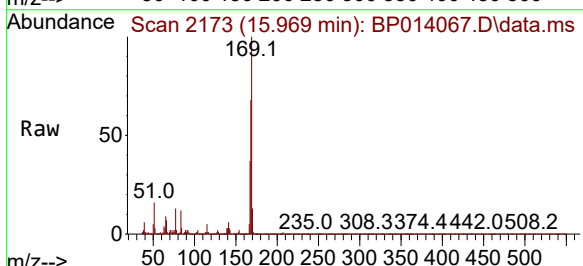
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

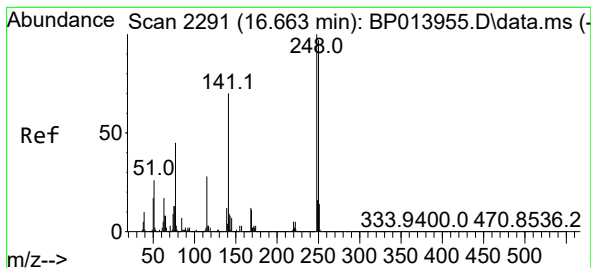
Tgt Ion	Ratio	Lower	Upper
198	100		
51	44.7	22.1	62.1
105	43.3	21.5	61.5



#66
n-Nitrosodiphenylamine
Concen: 10.985 ng
RT: 15.969 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	54.0	81.0
167	36.9	29.4	44.2

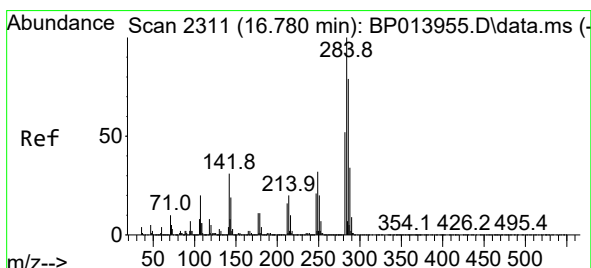
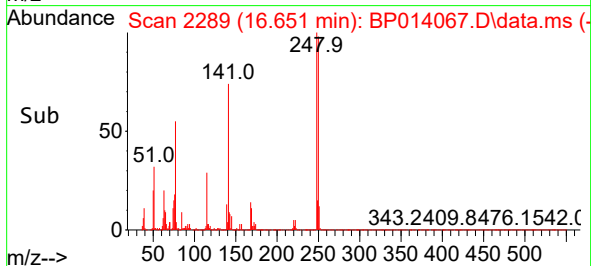
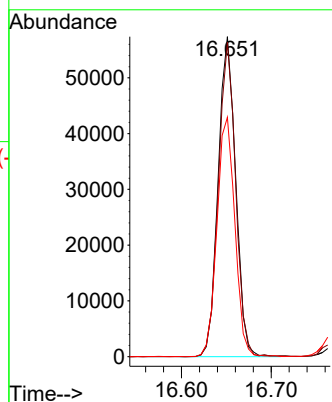
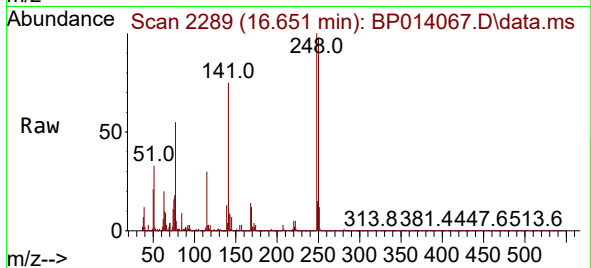




#67
4-Bromophenyl-phenylether
Concen: 9.987 ng
RT: 16.651 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

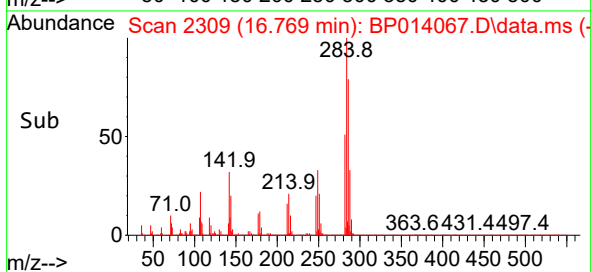
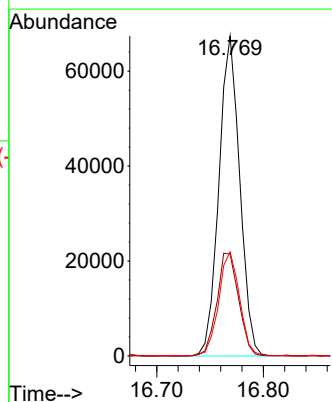
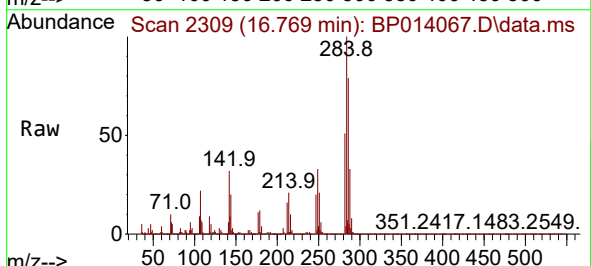
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

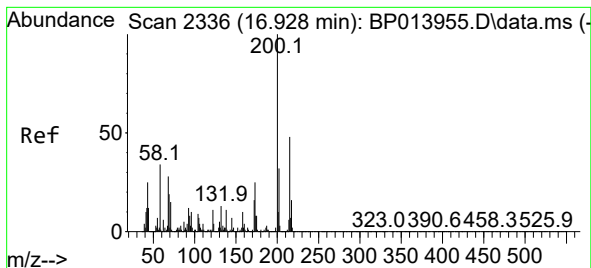
Tgt Ion:248 Resp: 77774
Ion Ratio Lower Upper
248 100
250 98.3 77.9 116.9
141 74.8 56.0 84.0



#68
Hexachlorobenzene
Concen: 10.947 ng
RT: 16.769 min Scan# 2309
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:284 Resp: 91384
Ion Ratio Lower Upper
284 100
142 31.9 24.8 37.2
249 32.5 25.7 38.5





#69

Atrazine

Concen: 7.423 ng

RT: 16.916 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

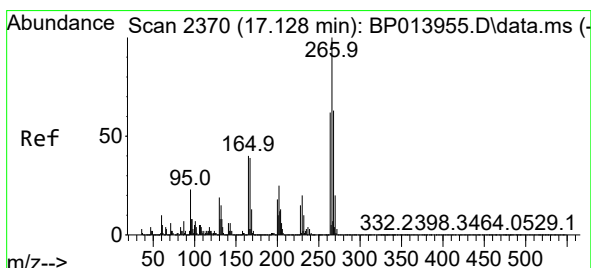
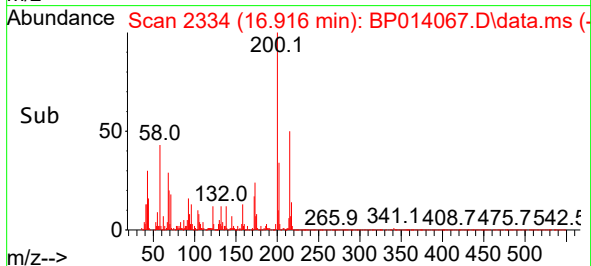
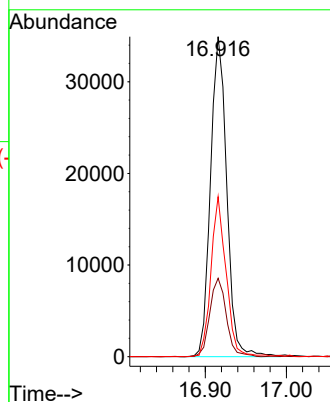
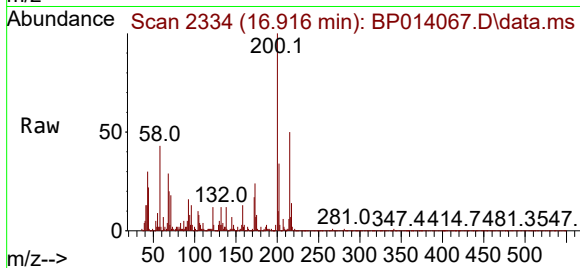
Tgt Ion:200 Resp: 48488

Ion Ratio Lower Upper

200 100

173 24.5 5.5 45.5

215 50.0 27.9 67.9



#70

Pentachlorophenol

Concen: 9.234 ng

RT: 17.116 min Scan# 2368

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

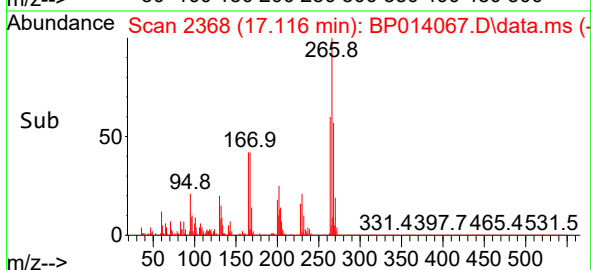
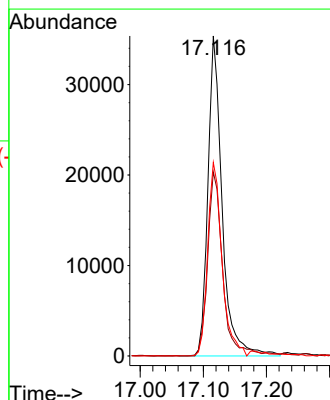
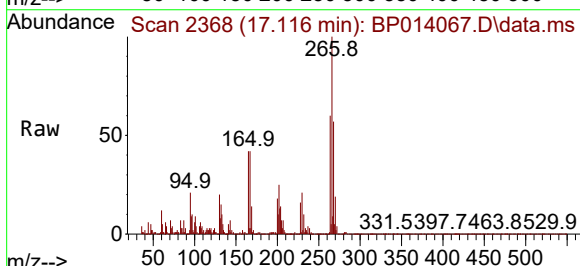
Tgt Ion:266 Resp: 55591

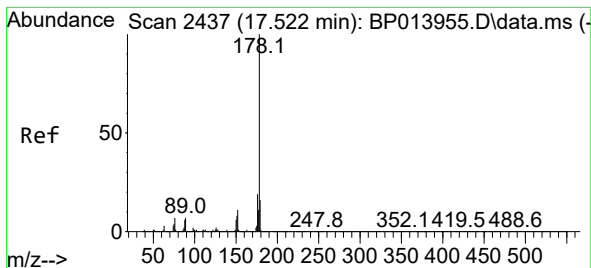
Ion Ratio Lower Upper

266 100

268 57.5 50.4 75.6

264 60.5 49.2 73.8





#71

Phenanthrene

Concen: 11.429 ng

RT: 17.510 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

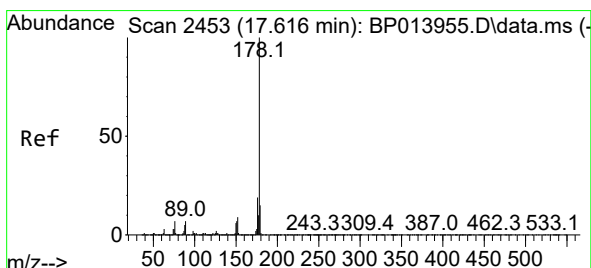
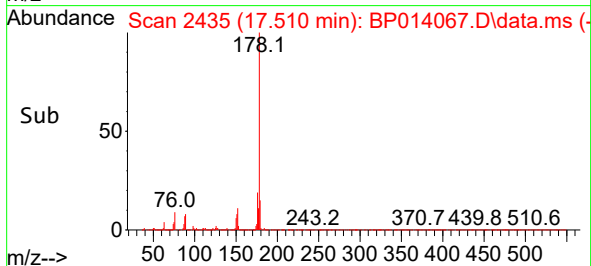
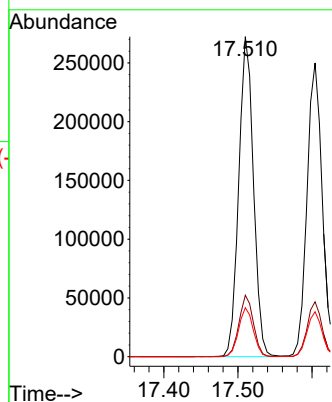
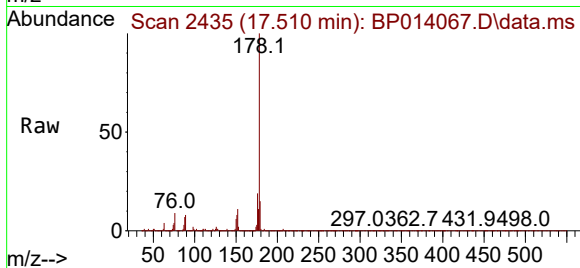
Tgt Ion:178 Resp: 375922

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.3 12.6 19.0



#72

Anthracene

Concen: 10.663 ng

RT: 17.604 min Scan# 2451

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

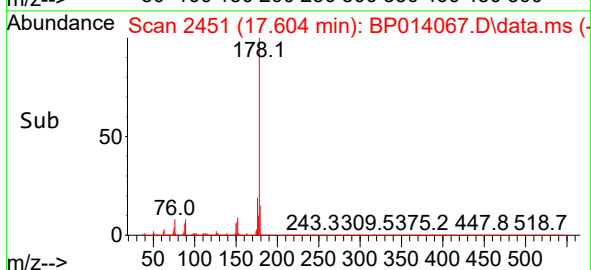
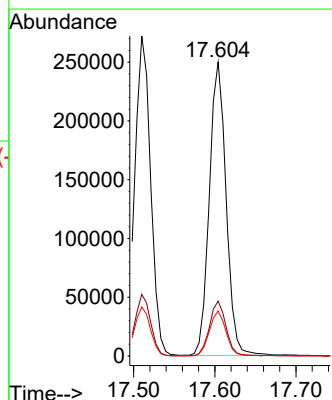
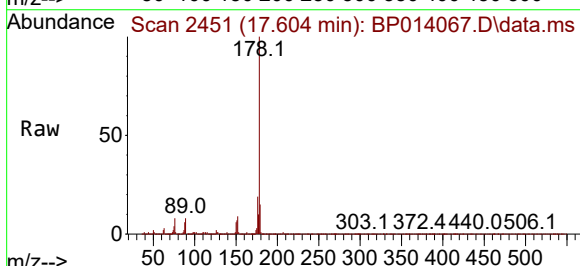
Tgt Ion:178 Resp: 358343

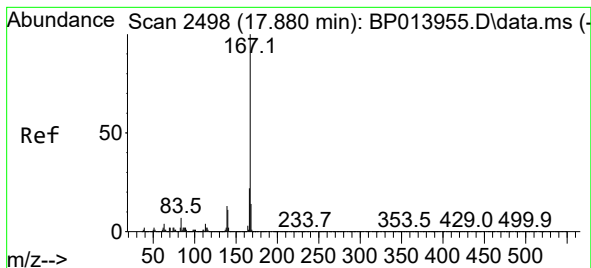
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.3 12.1 18.1





#73

Carbazole

Concen: 10.729 ng

RT: 17.869 min Scan# 2498

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

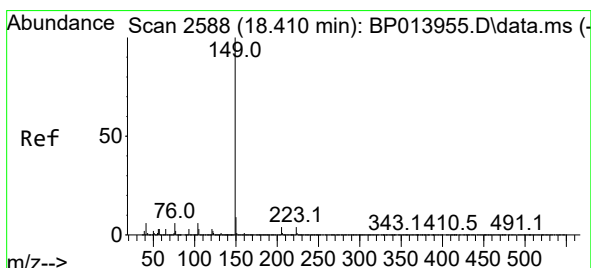
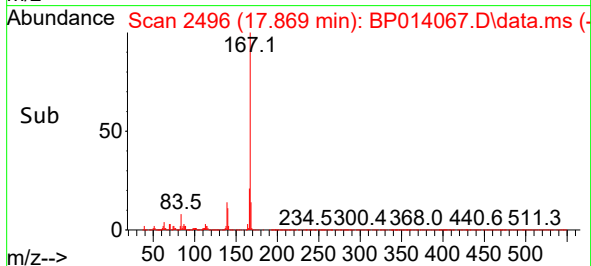
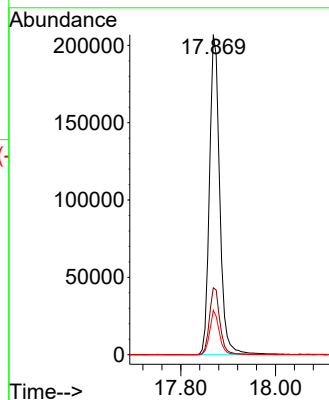
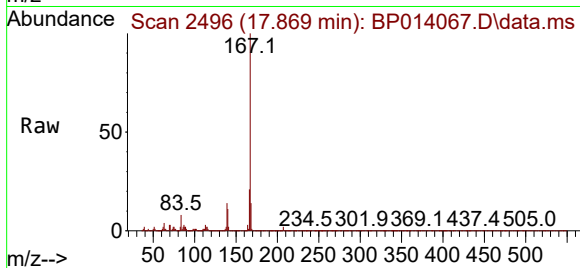
Tgt Ion:167 Resp: 311021

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

139 13.8 10.5 15.7



#74

Di-n-butylphthalate

Concen: 9.505 ng

RT: 18.404 min Scan# 2587

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

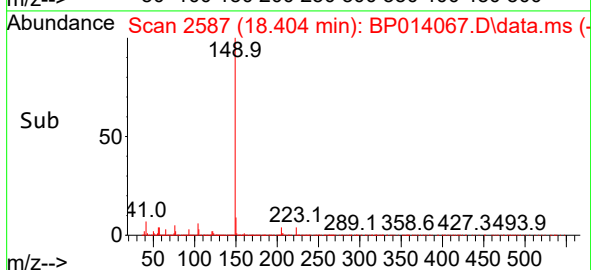
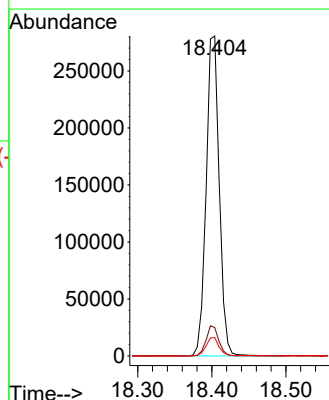
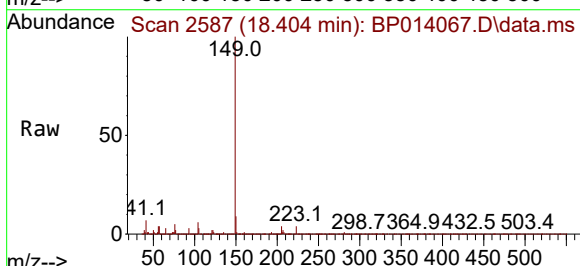
Tgt Ion:149 Resp: 344514

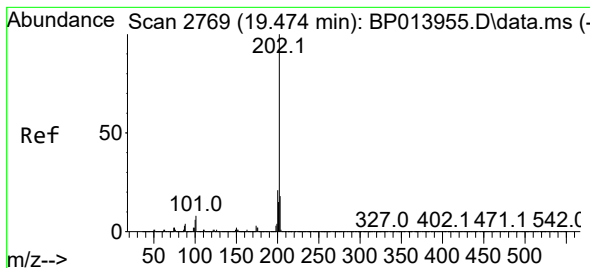
Ion Ratio Lower Upper

149 100

150 8.8 7.2 10.8

104 5.7 4.6 7.0





#75

Fluoranthene

Concen: 10.102 ng

RT: 19.463 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

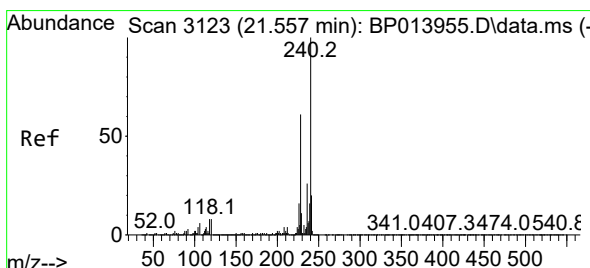
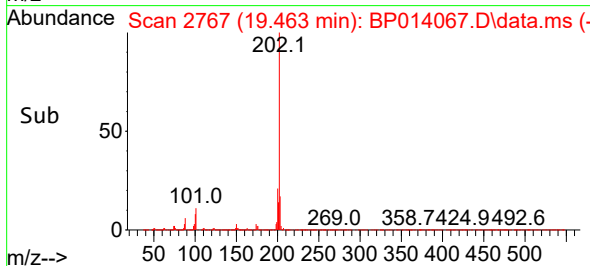
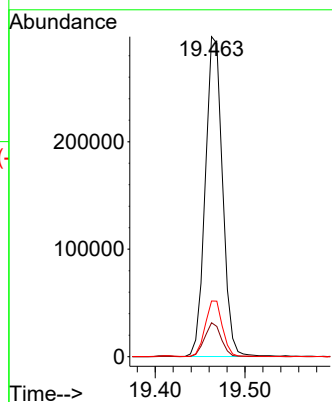
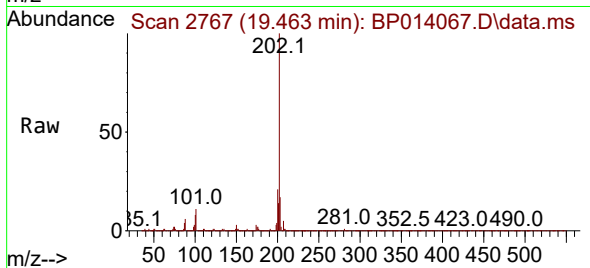
Tgt Ion:202 Resp: 397132

Ion Ratio Lower Upper

202 100

101 10.6 0.0 27.9

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

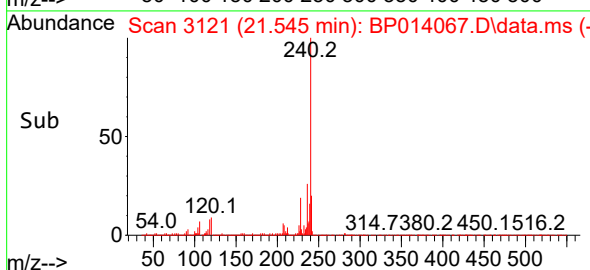
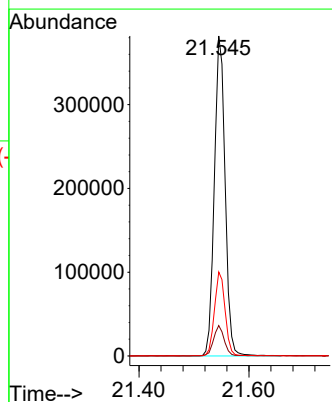
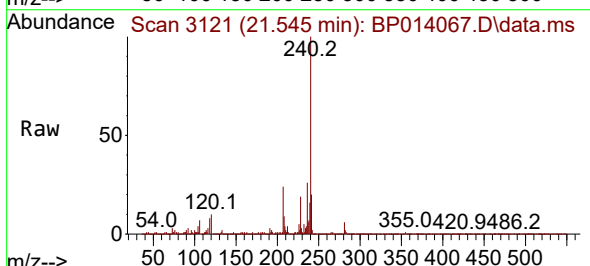
Tgt Ion:240 Resp: 520580

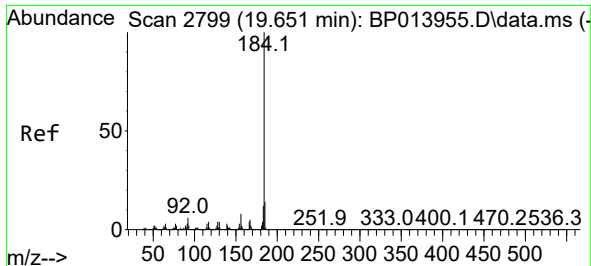
Ion Ratio Lower Upper

240 100

120 9.5 6.4 9.6

236 26.2 21.2 31.8

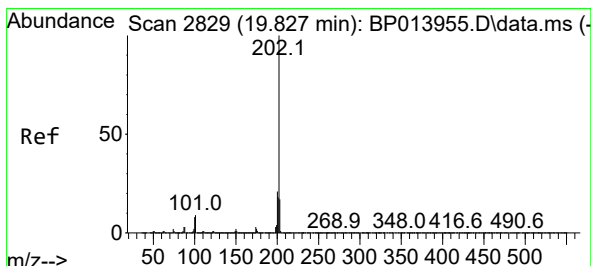
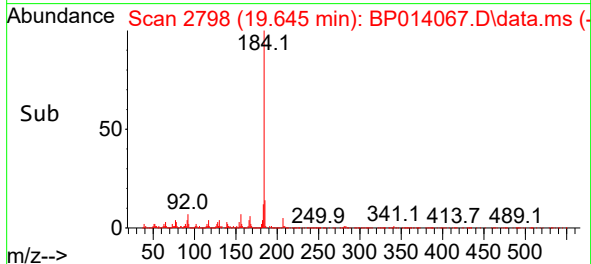
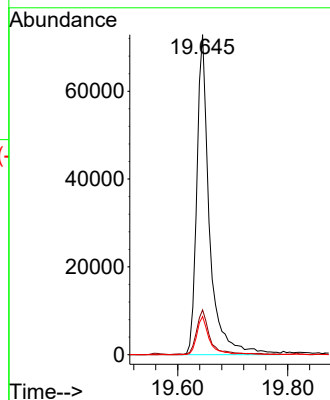
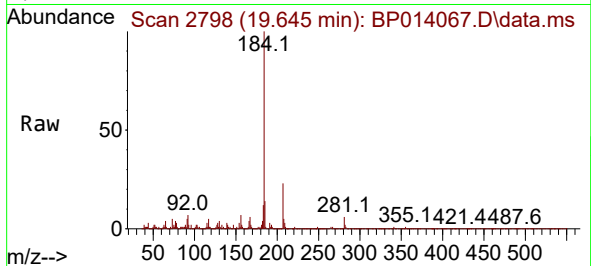




#77
Benzidine
Concen: 12.161 ng
RT: 19.645 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

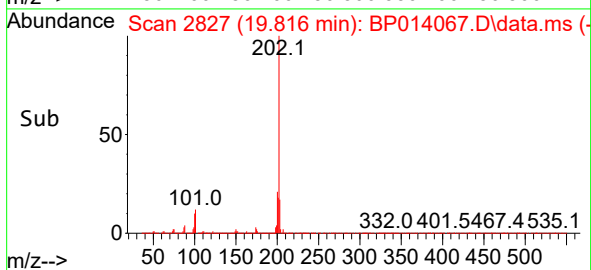
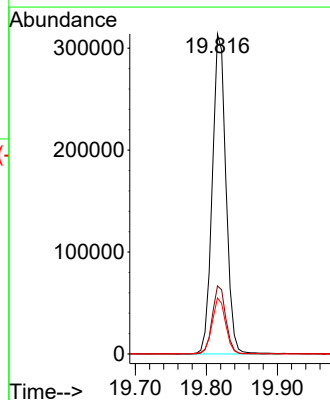
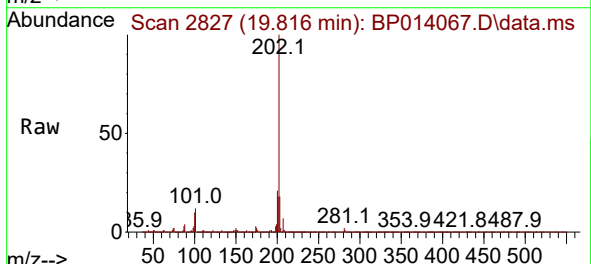
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

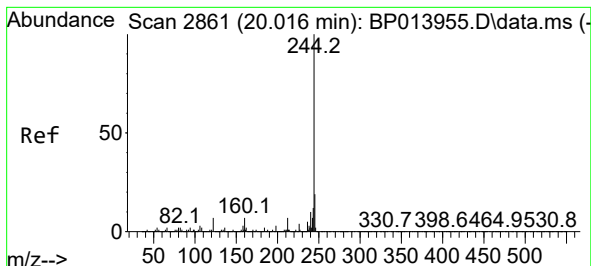
Tgt Ion:184 Resp: 116733
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 11.9 9.7 14.5



#78
Pyrene
Concen: 10.475 ng
RT: 19.816 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BP014067.D
Acq: 13 Mar 2023 17:17

Tgt Ion:202 Resp: 418534
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 64.868 ng

RT: 20.004 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

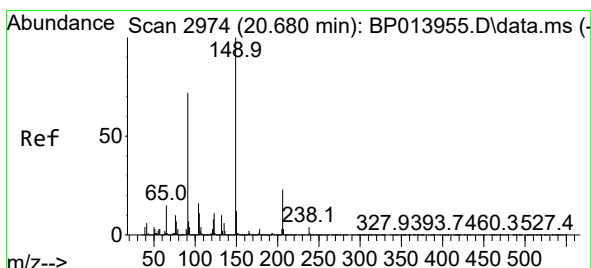
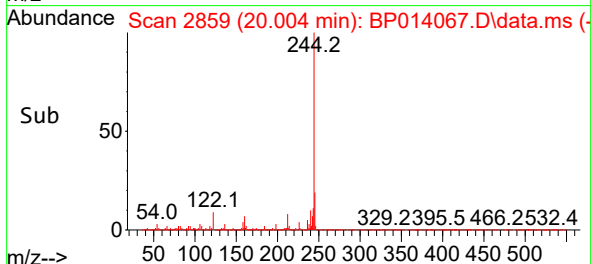
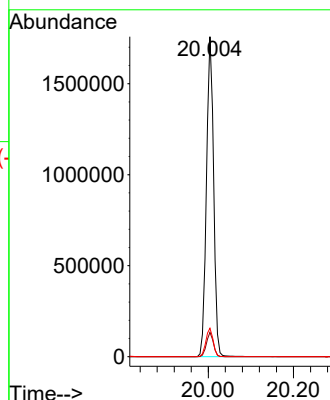
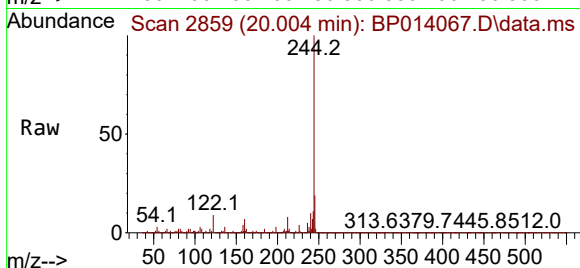
Tgt Ion:244 Resp: 2047928

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 8.9 5.8 8.6#



#80

Butylbenzylphthalate

Concen: 8.836 ng

RT: 20.674 min Scan# 2973

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

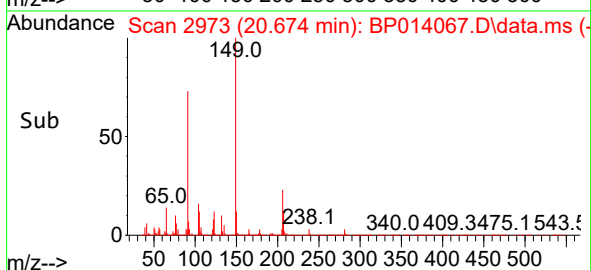
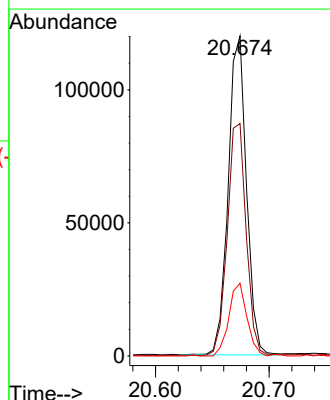
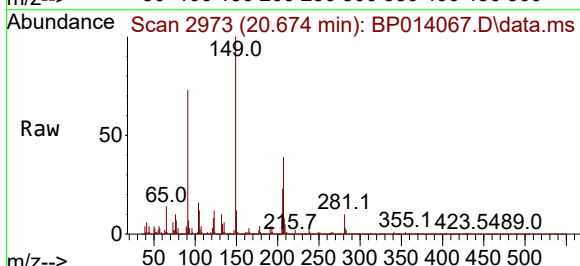
Tgt Ion:149 Resp: 133842

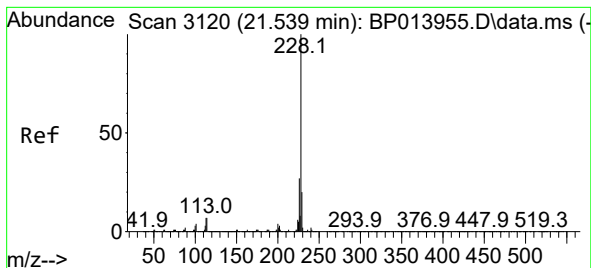
Ion Ratio Lower Upper

149 100

91 72.7 58.0 87.0

206 22.7 18.7 28.1





#81

Benzo(a)anthracene

Concen: 10.526 ng

RT: 21.533 min Scan# 3120

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

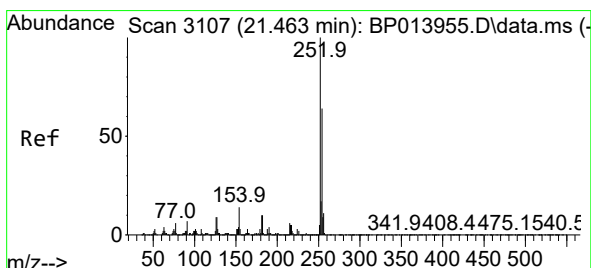
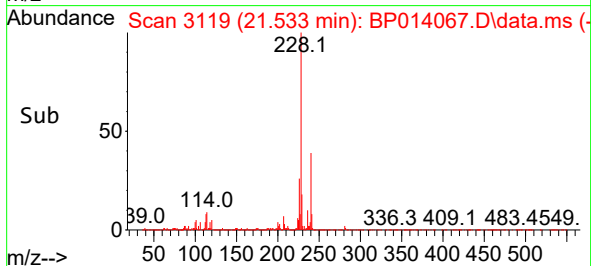
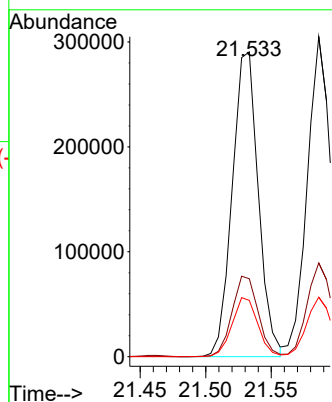
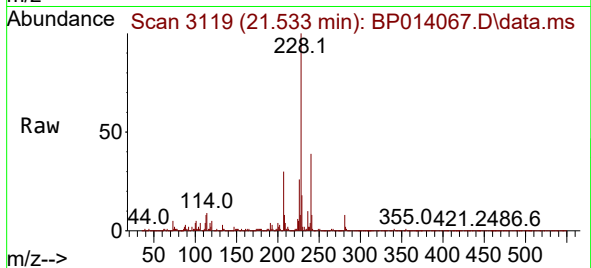
Tgt Ion:228 Resp: 402078

Ion Ratio Lower Upper

228 100

226 25.6 21.8 32.8

229 18.5 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 7.964 ng

RT: 21.457 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

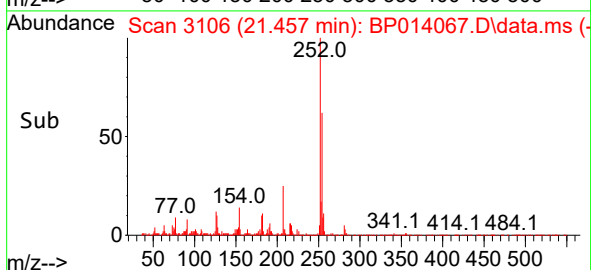
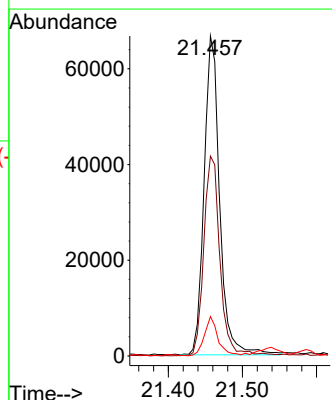
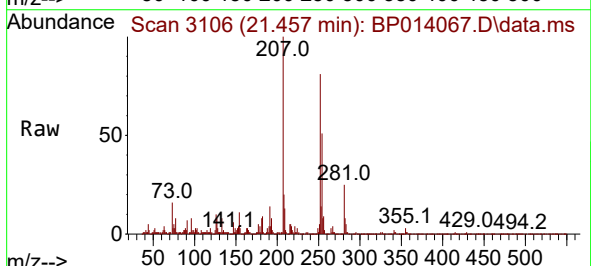
Tgt Ion:252 Resp: 97339

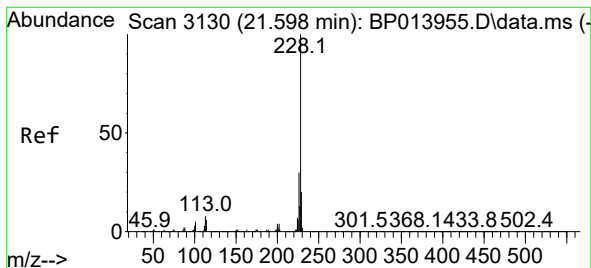
Ion Ratio Lower Upper

252 100

254 62.5 51.0 76.6

126 12.3 7.0 10.6





#83

Chrysene

Concen: 10.982 ng

RT: 21.586 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

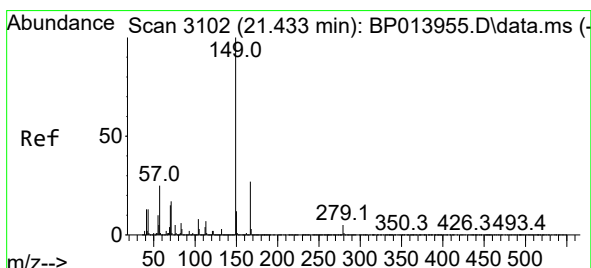
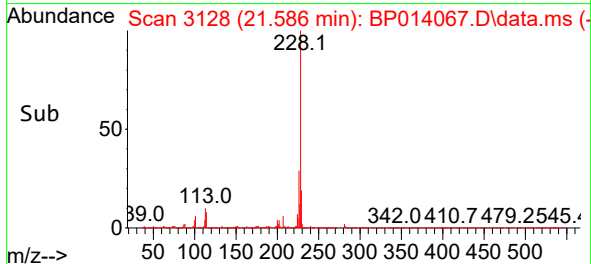
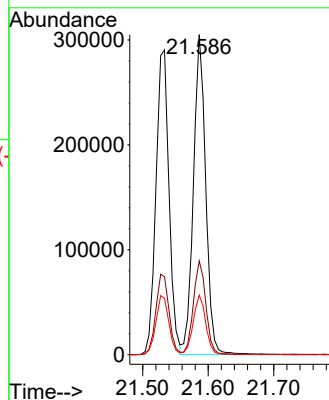
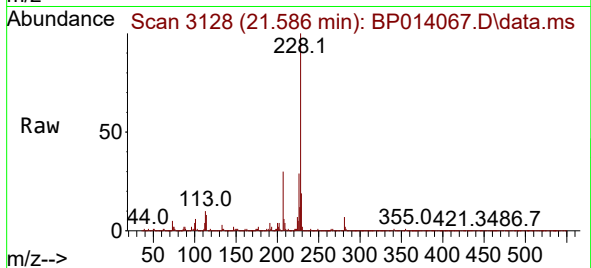
Tgt Ion:228 Resp: 397233

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

229 18.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.862 ng

RT: 21.427 min Scan# 3101

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

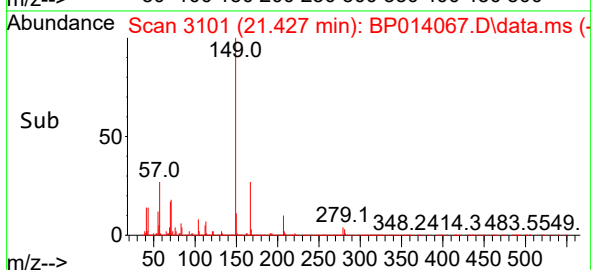
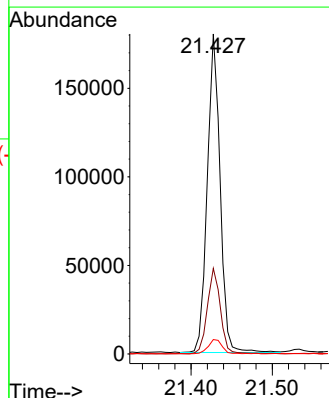
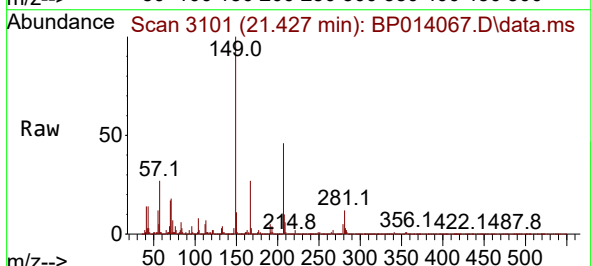
Tgt Ion:149 Resp: 196931

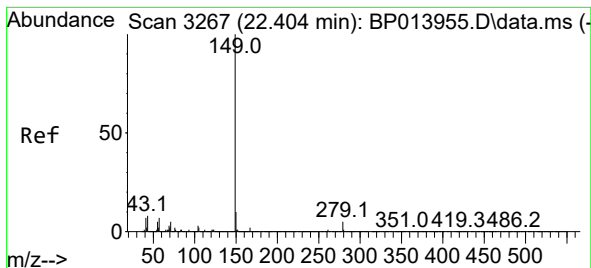
Ion Ratio Lower Upper

149 100

167 26.7 21.8 32.6

279 4.5 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 8.305 ng

RT: 22.392 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

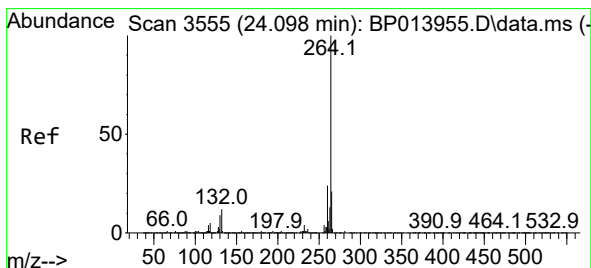
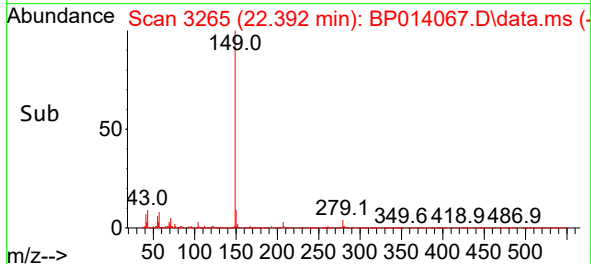
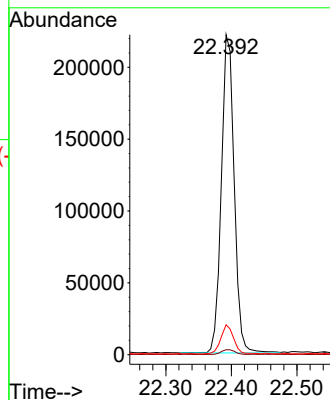
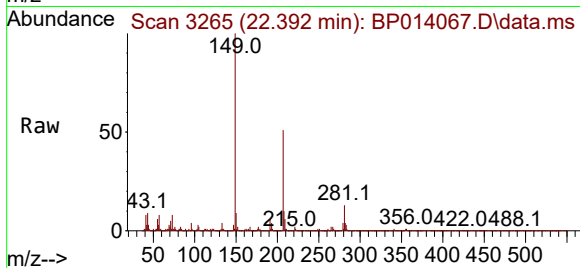
Tgt Ion:149 Resp: 299593

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.0 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.086 min Scan# 3553

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

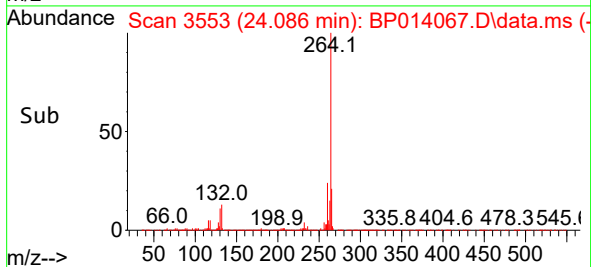
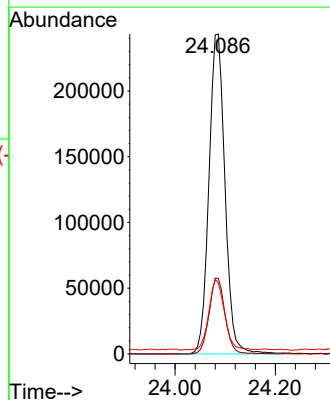
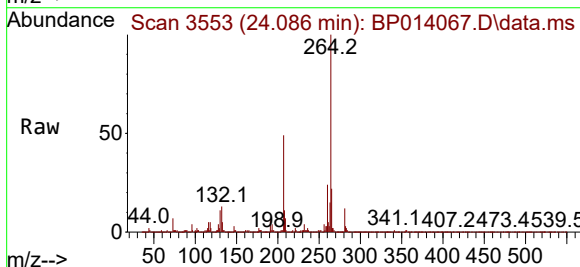
Tgt Ion:264 Resp: 540502

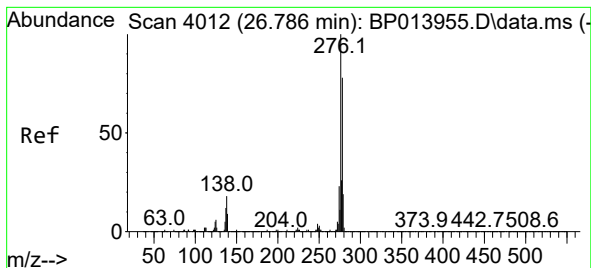
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.3 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.306 ng

RT: 26.745 min Scan# 4012

Delta R.T. -0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

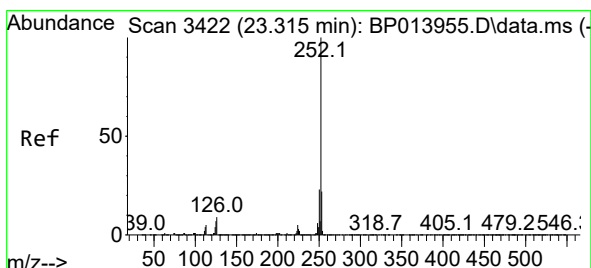
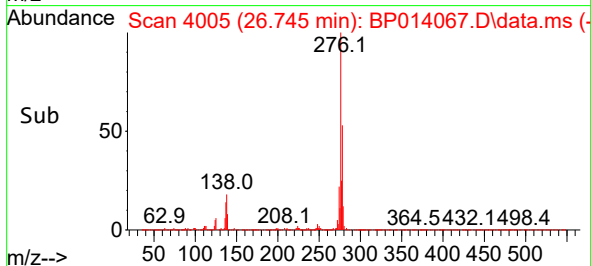
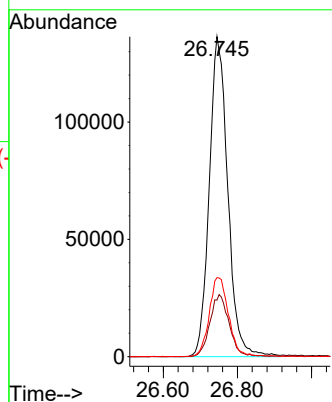
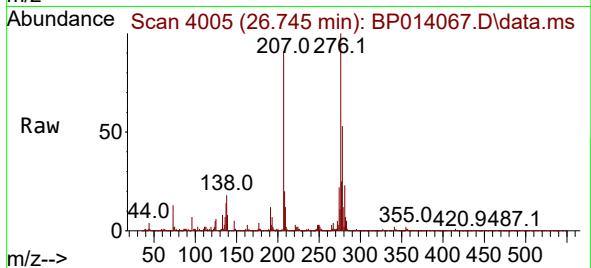
Tgt Ion:276 Resp: 472161

Ion Ratio Lower Upper

276 100

138 20.2 13.8 20.8

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.809 ng

RT: 23.304 min Scan# 3420

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

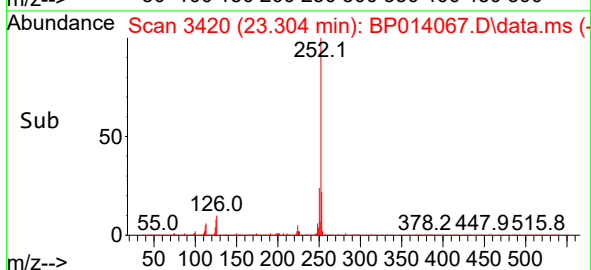
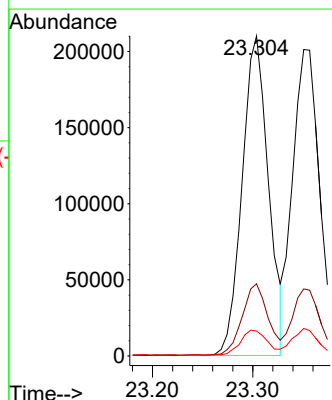
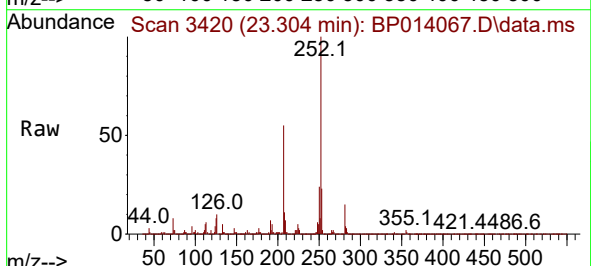
Tgt Ion:252 Resp: 382559

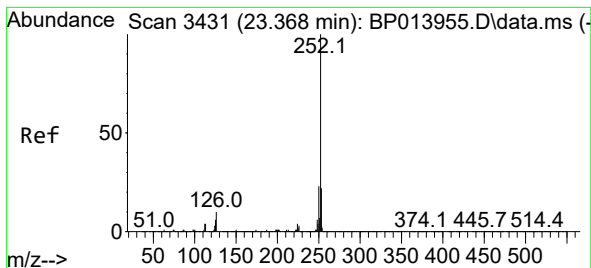
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 7.8 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 10.902 ng

RT: 23.304 min Scan# 34

Delta R.T. -0.047 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

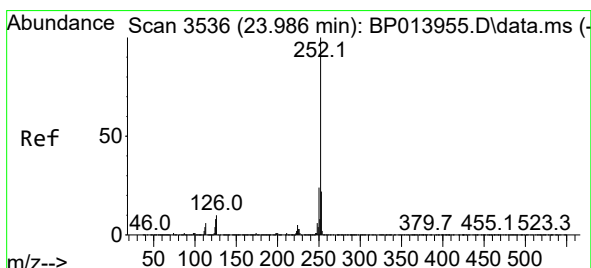
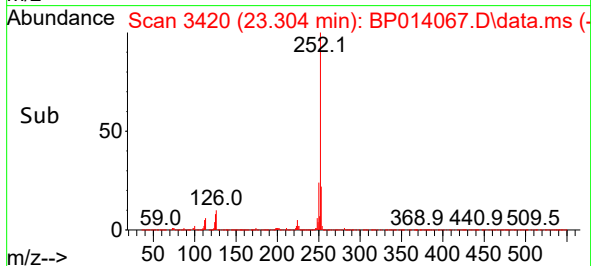
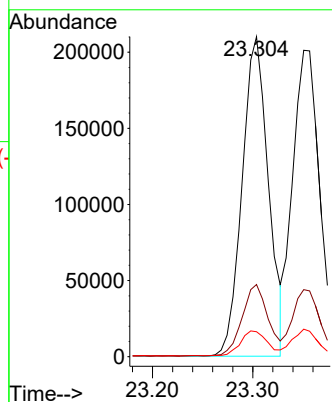
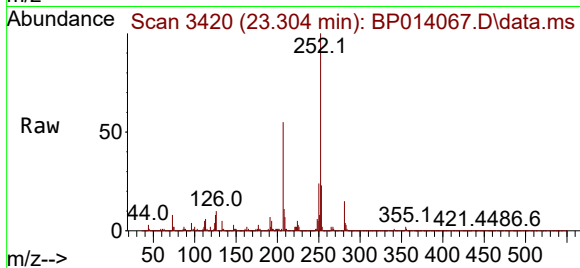
Tgt Ion:252 Resp: 382559

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 7.8 5.4 8.0



#90

Benzo(a)pyrene

Concen: 9.790 ng

RT: 23.968 min Scan# 3533

Delta R.T. 0.000 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

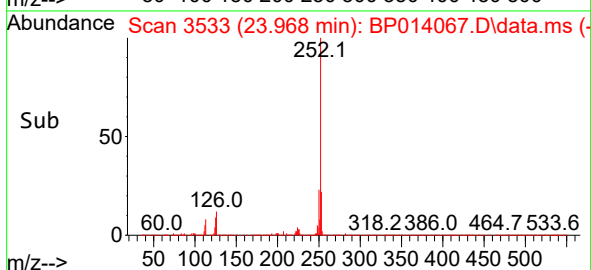
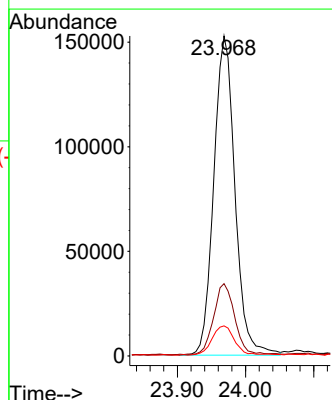
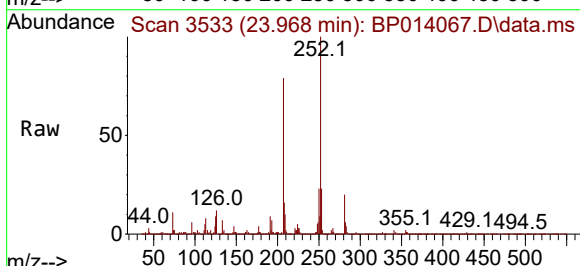
Tgt Ion:252 Resp: 330486

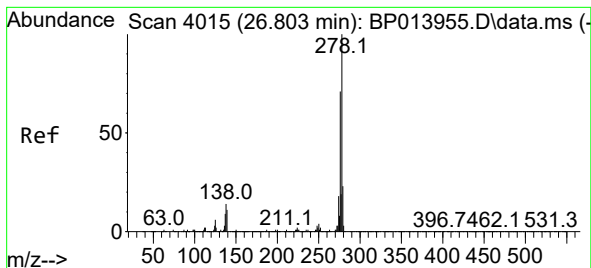
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 9.4 6.2 9.4#





#91

Dibenzo(a,h)anthracene

Concen: 11.201 ng

RT: 26.768 min Scan# 4015

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

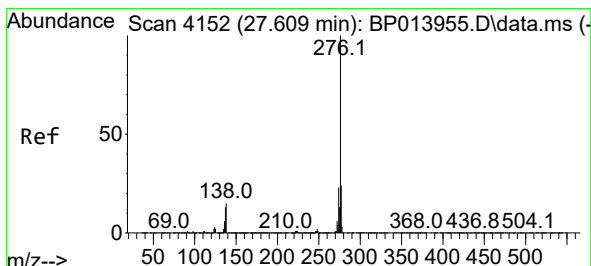
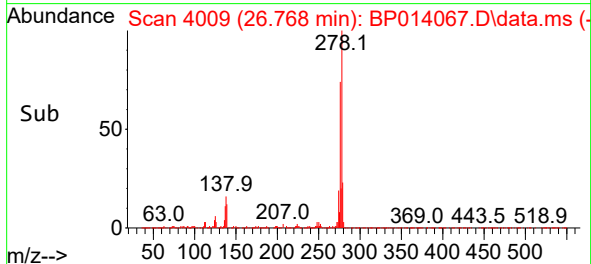
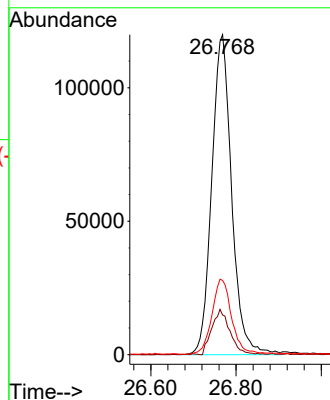
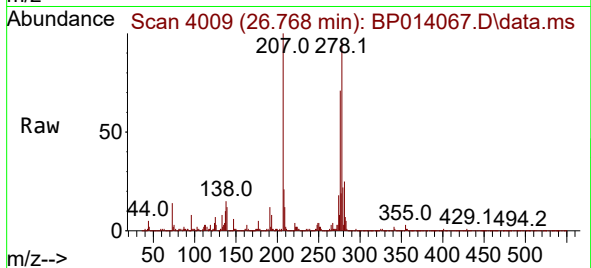
Tgt Ion:278 Resp: 388894

Ion Ratio Lower Upper

278 100

139 12.4 8.7 13.1

279 23.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 11.319 ng

RT: 27.574 min Scan# 4146

Delta R.T. 0.006 min

Lab File: BP014067.D

Acq: 13 Mar 2023 17:17

Tgt Ion:276 Resp: 389473

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 16.8 12.2 18.4

