

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012673.D
 Acq On : 18 Nov 2022 15:34
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 03:43:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	218824	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	973375	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	664732	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	1490817	20.000	ng	0.00
76) Chrysene-d12	21.522	240	1572031	20.000	ng	0.00
86) Perylene-d12	24.051	264	1535673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1112965	91.919	ng	0.00
7) Phenol-d6	7.187	99	1587222	94.124	ng	0.00
23) Nitrobenzene-d5	9.210	82	1236869	79.895	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	730514	96.030	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	3368747	76.253	ng	0.00
79) Terphenyl-d14	19.986	244	5754021	79.084	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.446	88	55466	11.406	ng	98
3) Pyridine	3.858	79	154965	10.095	ng	99
4) n-Nitrosodimethylamine	3.764	42	72722	11.094	ng	# 84
6) Aniline	7.364	93	253600	11.938	ng	99
8) 2-Chlorophenol	7.605	128	180661	12.083	ng	98
9) Benzaldehyde	7.175	77	164643	16.741	ng	98
10) Phenol	7.216	94	221190	11.643	ng	98
11) bis(2-Chloroethyl)ether	7.463	93	186545	12.327	ng	98
12) 1,3-Dichlorobenzene	7.934	146	209047	12.599	ng	97
13) 1,4-Dichlorobenzene	8.081	146	215367	12.729	ng	99
14) 1,2-Dichlorobenzene	8.405	146	211182	13.006	ng	99
15) Benzyl Alcohol	8.281	79	131249	10.446	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.575	45	274373	12.850	ng	98
17) 2-Methylphenol	8.481	107	148529	11.275	ng	97
18) Hexachloroethane	9.140	117	74972	13.260	ng	98
19) n-Nitroso-di-n-propyla...	8.852	70	128201	11.185	ng	96
20) 3+4-Methylphenols	8.805	107	197690	10.712	ng	99
22) Acetophenone	8.869	105	311899	12.837	ng	# 98
24) Nitrobenzene	9.252	77	214131	12.809	ng	98
25) Isophorone	9.781	82	427084	12.264	ng	99
26) 2-Nitrophenol	9.969	139	67538	9.317	ng	97
27) 2,4-Dimethylphenol	10.022	122	159857	11.685	ng	99
28) bis(2-Chloroethoxy)met...	10.269	93	262207	13.239	ng	99
29) 2,4-Dichlorophenol	10.499	162	176198	11.081	ng	96
30) 1,2,4-Trichlorobenzene	10.722	180	208072	12.191	ng	99
31) Naphthalene	10.916	128	650432	12.155	ng	100
32) Benzoic acid	10.093	122	84420	7.881	ng	98
33) 4-Chloroaniline	11.016	127	246377	11.051	ng	99
34) Hexachlorobutadiene	11.204	225	128025	12.696	ng	100
35) Caprolactam	11.769	113	50095	9.676	ng	89
36) 4-Chloro-3-methylphenol	12.128	107	186420	10.922	ng	99
37) 2-Methylnaphthalene	12.516	142	468558	12.244	ng	99
38) 1-Methylnaphthalene	12.734	142	447688	11.905	ng	99
40) 1,2,4,5-Tetrachloroben...	12.881	216	253912	13.097	ng	99
41) Hexachlorocyclopentadiene	12.863	237	105719	14.337	ng	98
43) 2,4,6-Trichlorophenol	13.110	196	146303	10.599	ng	99

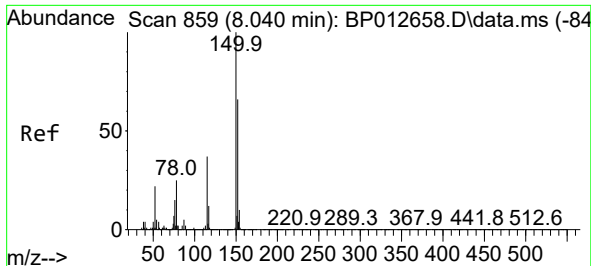
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	164670	10.783	ng	98
46) 1,1'-Biphenyl	13.516	154	645199	12.980	ng	98
47) 2-Chloronaphthalene	13.557	162	492757	12.484	ng	97
48) 2-Nitroaniline	13.757	65	67262	8.515	ng	97
49) Acenaphthylene	14.404	152	779790	12.105	ng	99
50) Dimethylphthalate	14.134	163	600594	11.471	ng	100
51) 2,6-Dinitrotoluene	14.245	165	99133	10.797	ng	91
52) Acenaphthene	14.745	154	488273	11.877	ng	97
53) 3-Nitroaniline	14.575	138	100789	9.586	ng	97
54) 2,4-Dinitrophenol	14.775	184	46585	9.137	ng	99
55) Dibenzofuran	15.081	168	780177	12.571	ng	98
56) 4-Nitrophenol	14.863	139	91905	9.338	ng	91
57) 2,4-Dinitrotoluene	15.034	165	120810	9.892	ng	94
58) Fluorene	15.728	166	632433	12.947	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.298	232	150273	10.930	ng	98
60) Diethylphthalate	15.498	149	561884	10.909	ng	100
61) 4-Chlorophenyl-phenyle...	15.722	204	309948	13.200	ng	97
62) 4-Nitroaniline	15.734	138	91065	8.853	ng	93
63) Azobenzene	16.016	77	596546	12.677	ng	98
65) 4,6-Dinitro-2-methylph...	15.792	198	61392	8.386	ng	92
66) n-Nitrosodiphenylamine	15.934	169	507210	11.416	ng	98
67) 4-Bromophenyl-phenylether	16.622	248	172914	11.092	ng	95
68) Hexachlorobenzene	16.734	284	221928	12.276	ng	97
69) Atrazine	16.892	200	133807	11.430	ng	99
70) Pentachlorophenol	17.075	266	123131	10.494	ng	98
71) Phenanthrene	17.481	178	1028820	12.166	ng	99
72) Anthracene	17.569	178	1012509	12.410	ng	99
73) Carbazole	17.834	167	934817	12.065	ng	99
74) Di-n-butylphthalate	18.392	149	747314	9.251	ng	98
75) Fluoranthene	19.433	202	1200881	11.987	ng	99
77) Benzidine	19.610	184	183860	8.508	ng	98
78) Pyrene	19.786	202	1242756	11.186	ng	99
80) Butylbenzylphthalate	20.663	149	121124	6.041	ng	98
81) Benzo(a)anthracene	21.504	228	1254364	11.382	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	201854	7.277	ng	97
83) Chrysene	21.557	228	1215103	11.627	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	212247	5.841	ng	99
85) Di-n-octyl phthalate	22.410	149	374228	4.868	ng	# 86
87) Indeno(1,2,3-cd)pyrene	26.715	276	1246793	11.152	ng	100
88) Benzo(b)fluoranthene	23.274	252	1233665	12.134	ng	99
89) Benzo(k)fluoranthene	23.327	252	1227955	12.156	ng	99
90) Benzo(a)pyrene	23.939	252	1009485	11.965	ng	99
91) Dibenzo(a,h)anthracene	26.739	278	1109938	12.006	ng	99
92) Benzo(g,h,i)perylene	27.527	276	1044762	11.635	ng	99

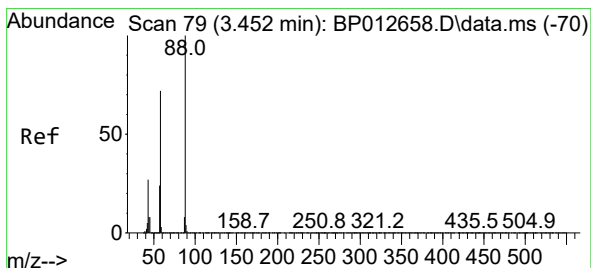
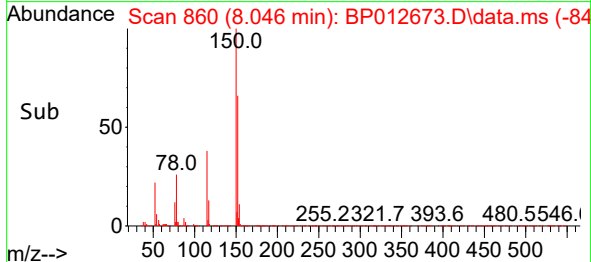
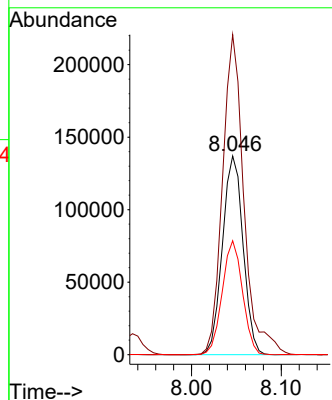
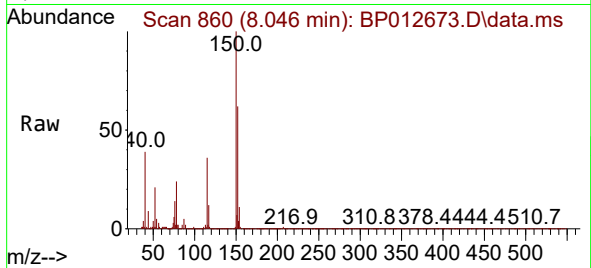
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.046 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

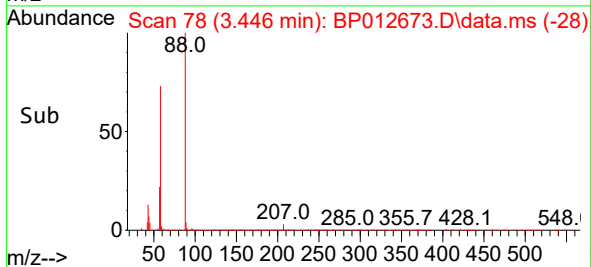
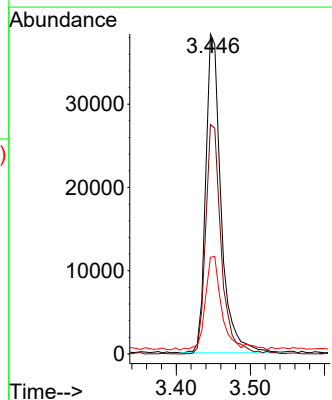
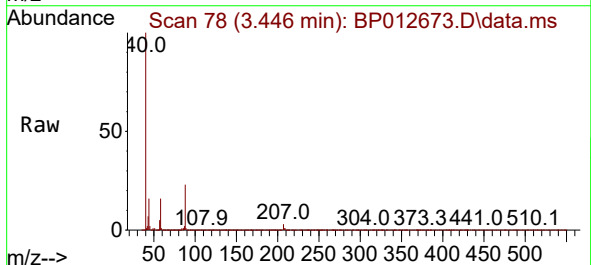
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

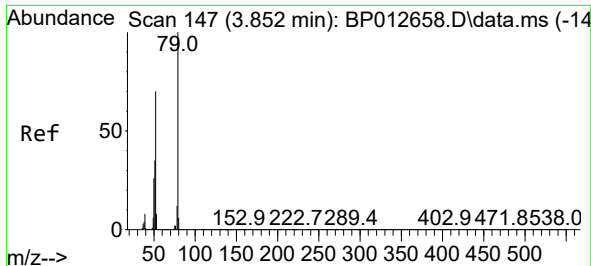
Tgt Ion:152 Resp: 218824
Ion Ratio Lower Upper
152 100
150 161.0 121.8 182.8
115 57.3 45.4 68.2



#2
1,4-Dioxane
Concen: 11.406 ng
RT: 3.446 min Scan# 78
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 88 Resp: 55466
Ion Ratio Lower Upper
88 100
58 73.1 59.3 88.9
43 30.4 23.0 34.4

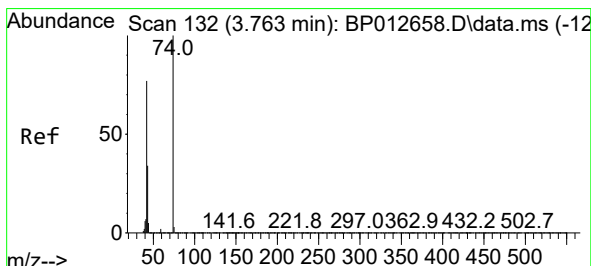
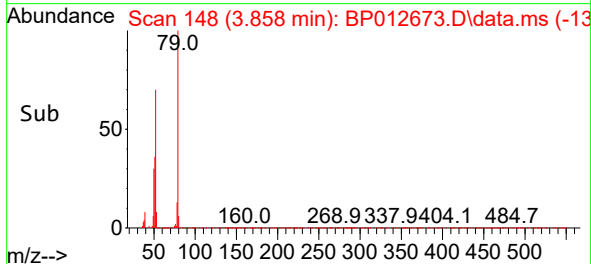
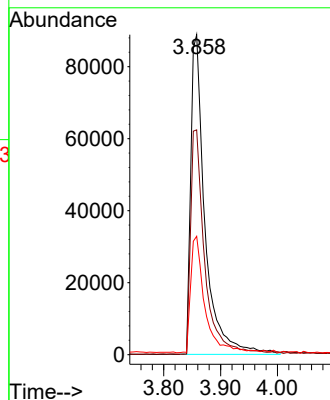
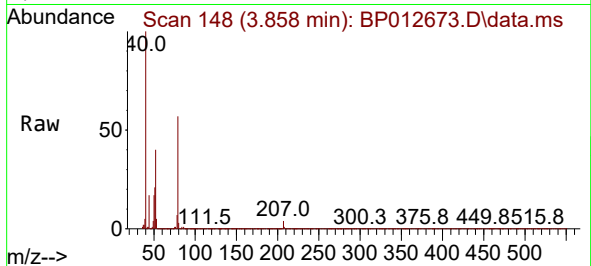




#3
Pyridine
Concen: 10.095 ng
RT: 3.858 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

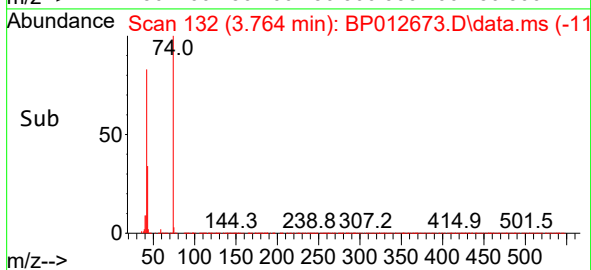
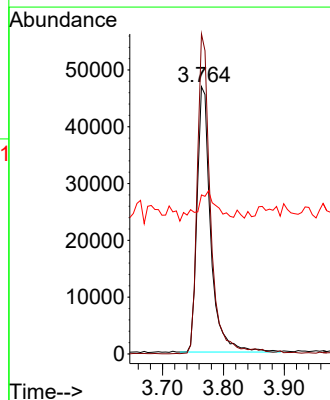
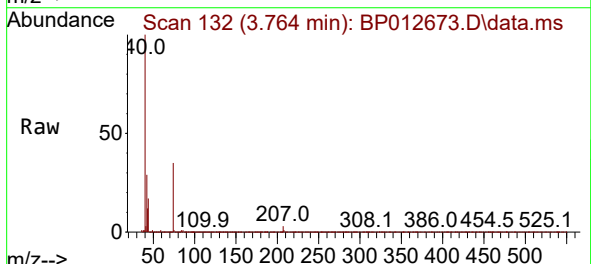
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

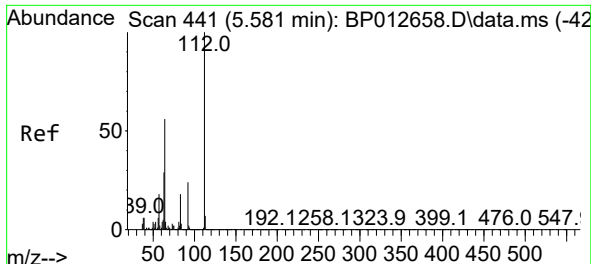
Tgt Ion: 79 Resp: 154965
Ion Ratio Lower Upper
79 100
52 70.3 56.1 84.1
51 37.0 28.1 42.1



#4
n-Nitrosodimethylamine
Concen: 11.094 ng
RT: 3.764 min Scan# 132
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 42 Resp: 72722
Ion Ratio Lower Upper
42 100
74 119.8 103.5 155.3
44 59.5 6.4 9.6

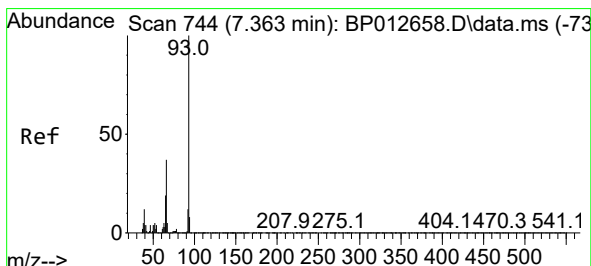
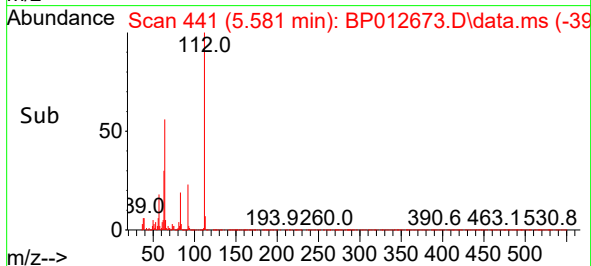
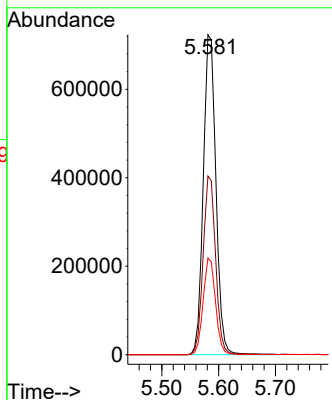
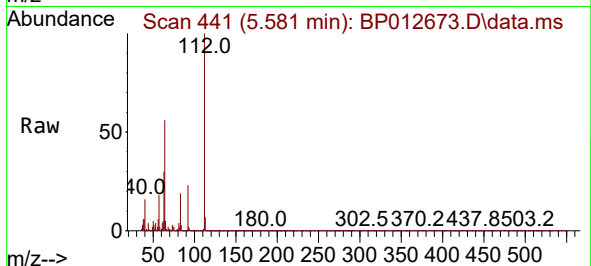




#5
2-Fluorophenol
Concen: 91.919 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

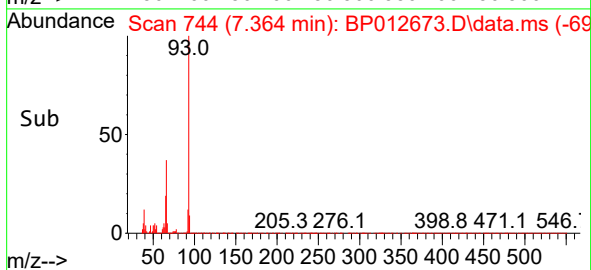
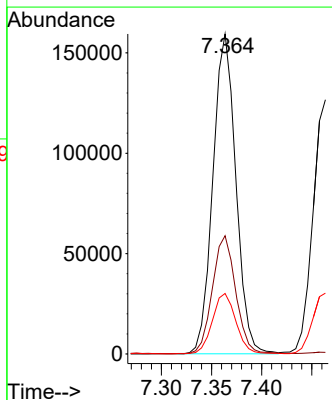
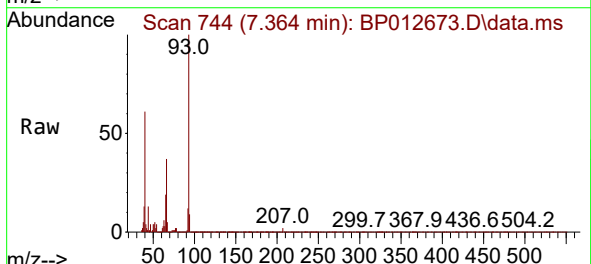
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2022

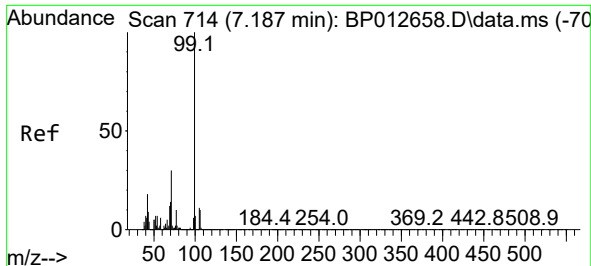
Tgt Ion:112 Resp: 1112965
Ion Ratio Lower Upper
112 100
64 55.8 44.7 67.1
63 30.2 23.3 34.9



#6
Aniline
Concen: 11.938 ng
RT: 7.364 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 93 Resp: 253600
Ion Ratio Lower Upper
93 100
66 36.9 29.9 44.9
65 18.9 15.4 23.2



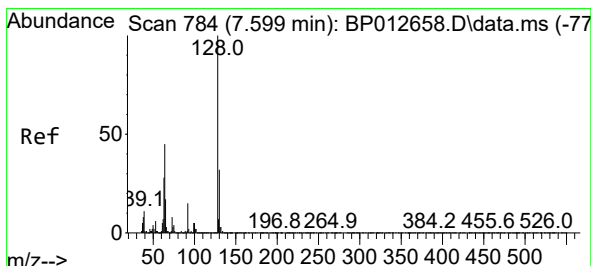
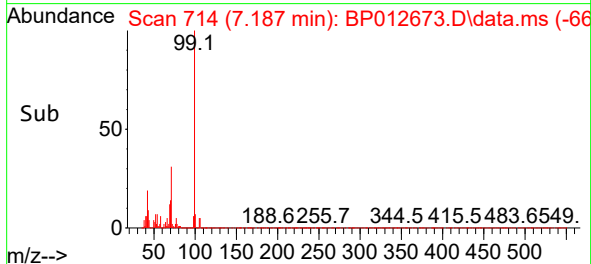
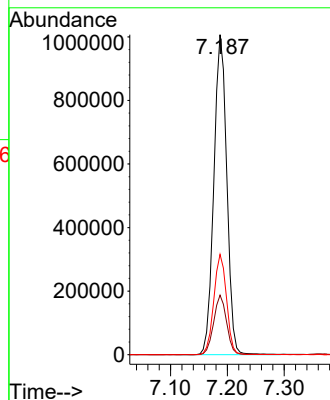
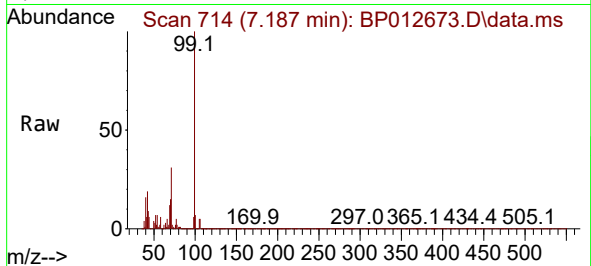


#7
Phenol-d6
Concen: 94.124 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion: 99 Resp: 1587222

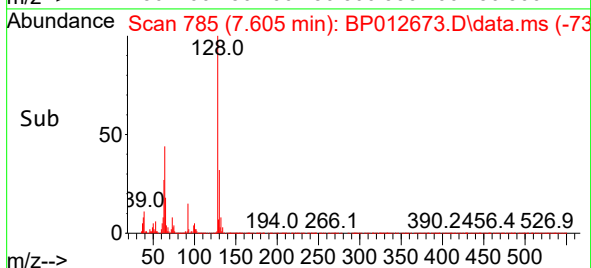
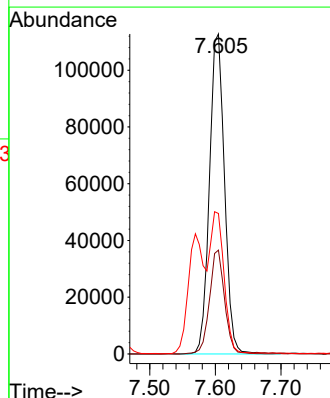
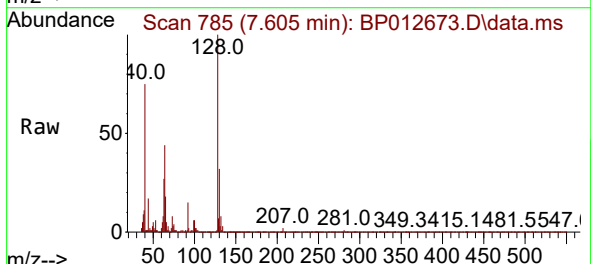
Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.2	21.2
71	31.4	24.4	36.6

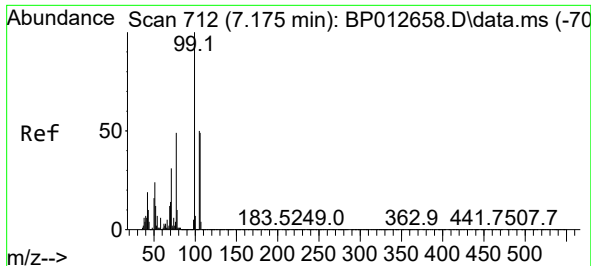


#8
2-Chlorophenol
Concen: 12.083 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 128 Resp: 180661

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.0	52.0
64	43.9	25.5	65.5

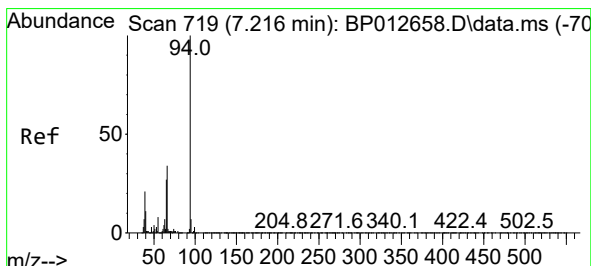
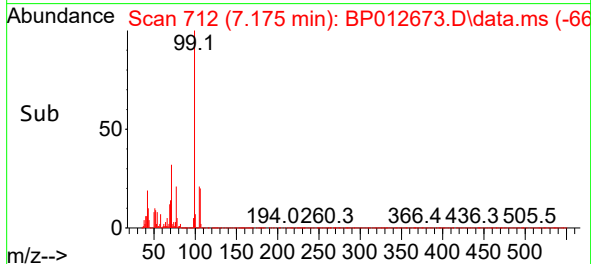
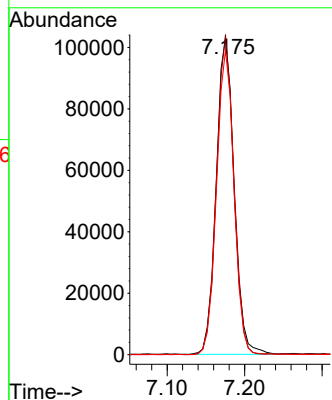
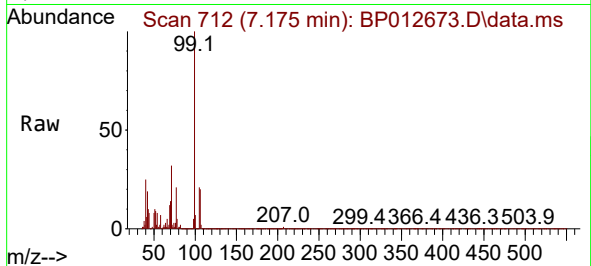




#9
Benzaldehyde
Concen: 16.741 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

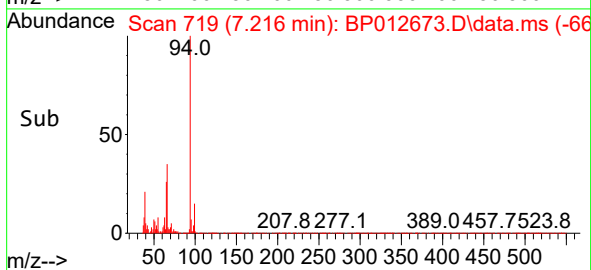
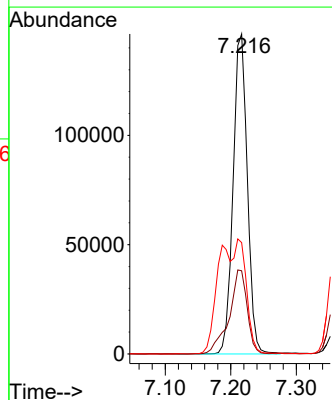
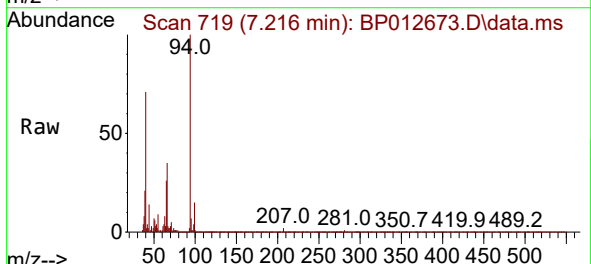
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2022

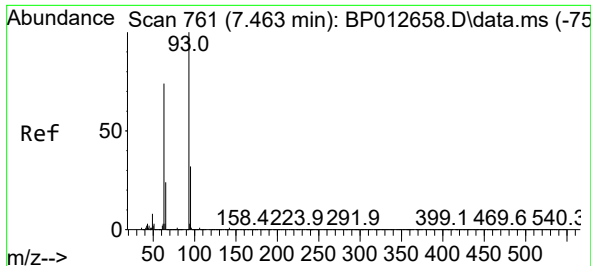
Tgt Ion: 77 Resp: 164643
Ion Ratio Lower Upper
77 100
105 101.0 82.0 122.0
106 96.1 79.6 119.6



#10
Phenol
Concen: 11.643 ng
RT: 7.216 min Scan# 719
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 94 Resp: 221190
Ion Ratio Lower Upper
94 100
65 26.0 6.8 46.8
66 34.8 13.9 53.9

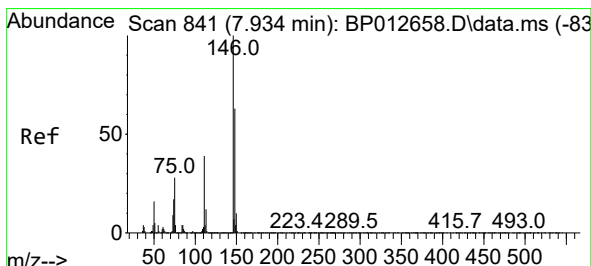
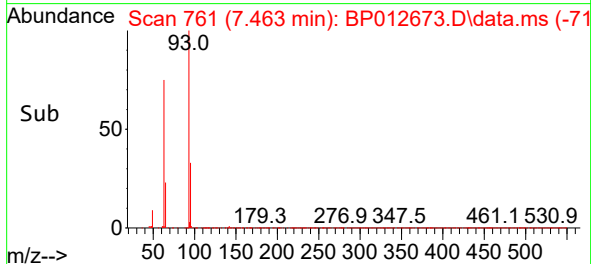
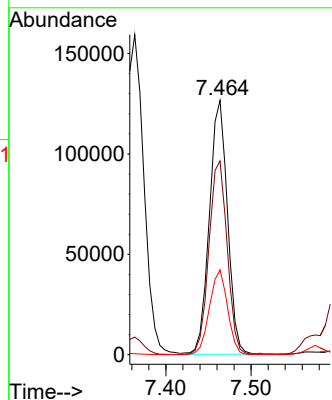
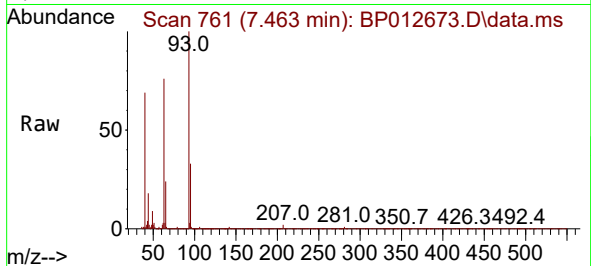




#11
bis(2-Chloroethyl)ether
Concen: 12.327 ng
RT: 7.463 min Scan# 761
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

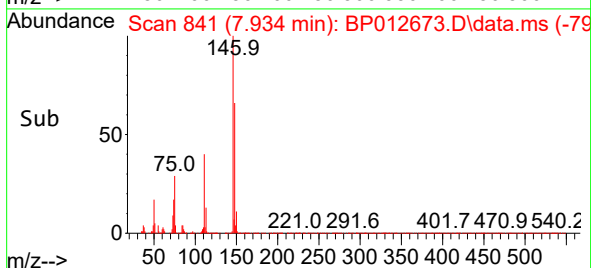
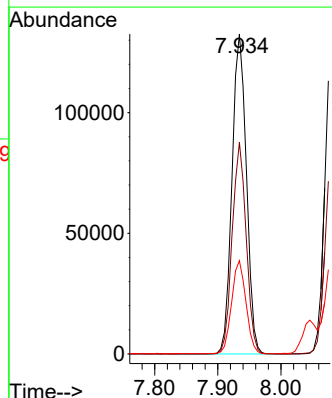
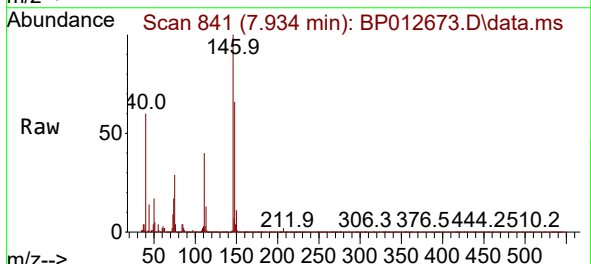
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

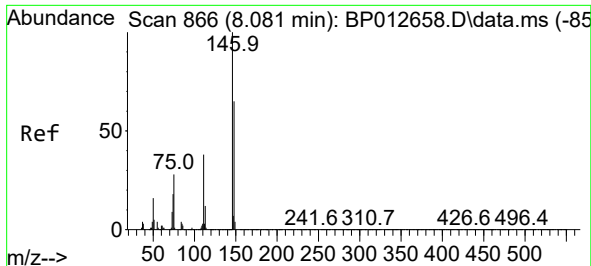
Tgt Ion: 93 Resp: 186545
Ion Ratio Lower Upper
93 100
63 76.2 53.9 93.9
95 33.3 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 12.599 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:146 Resp: 209047
Ion Ratio Lower Upper
146 100
148 66.1 50.6 76.0
75 29.2 22.5 33.7

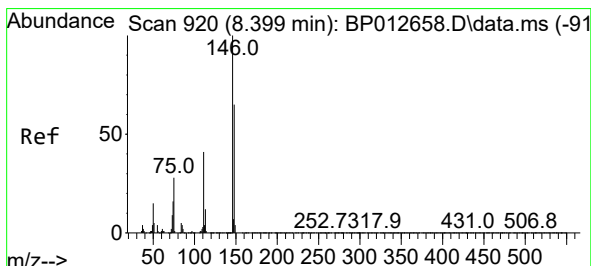
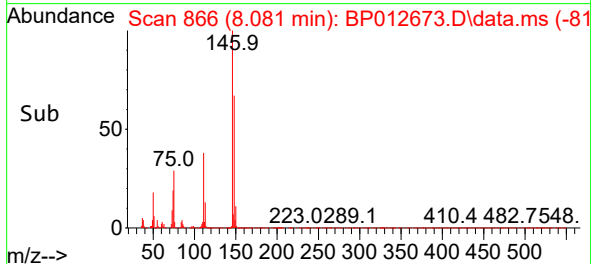
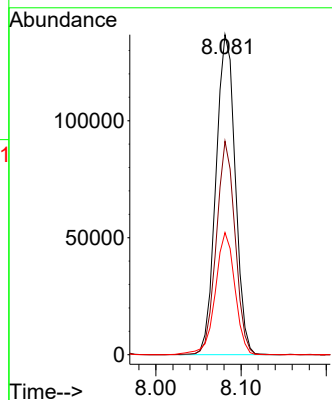
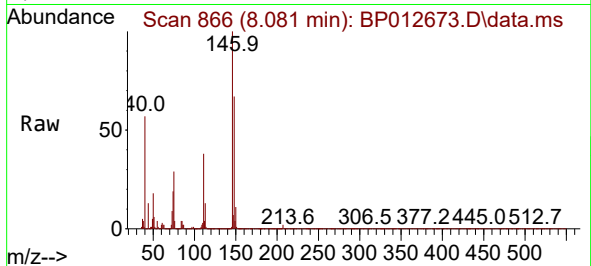




#13
1,4-Dichlorobenzene
Concen: 12.729 ng
RT: 8.081 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

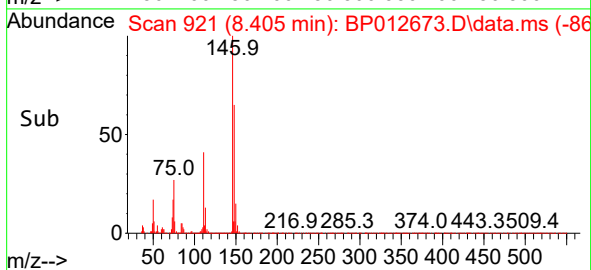
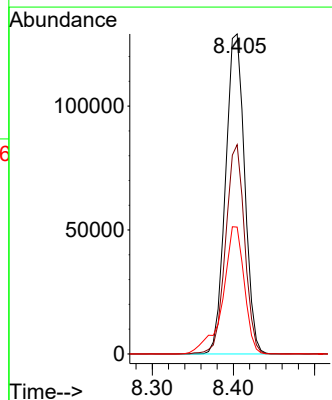
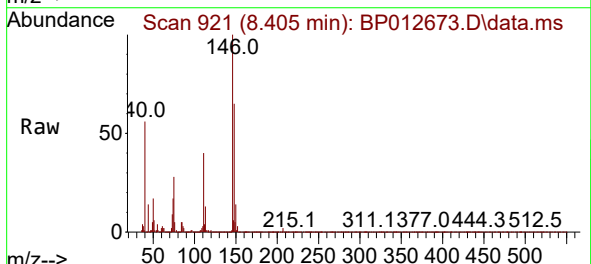
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

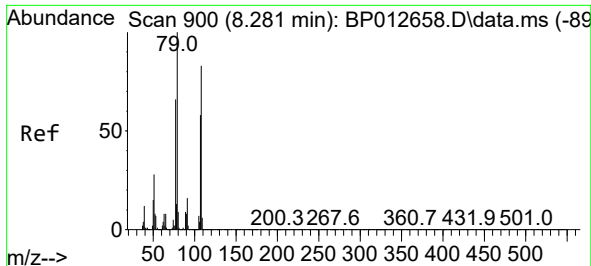
Tgt Ion:146 Resp: 215367
Ion Ratio Lower Upper
146 100
148 66.7 52.2 78.4
111 38.1 30.6 45.8



#14
1,2-Dichlorobenzene
Concen: 13.006 ng
RT: 8.405 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:146 Resp: 211182
Ion Ratio Lower Upper
146 100
148 65.4 52.1 78.1
111 39.7 32.8 49.2

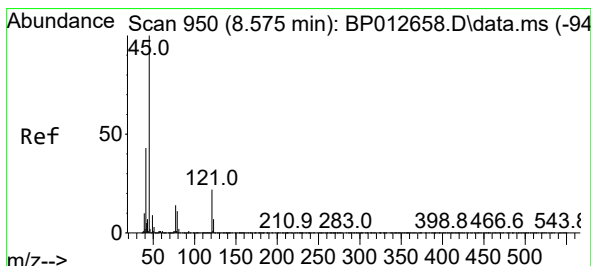
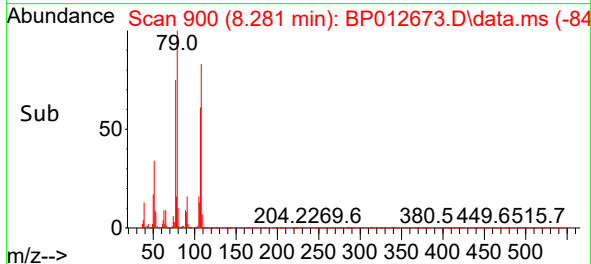
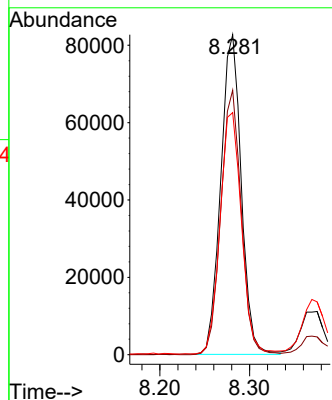
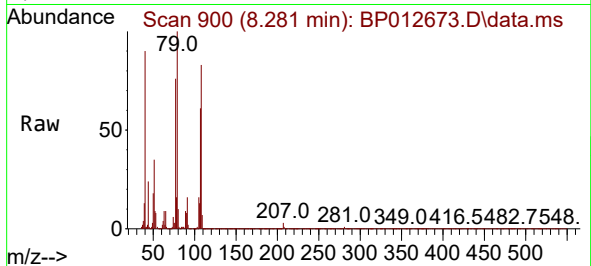




#15
Benzyl Alcohol
Concen: 10.446 ng
RT: 8.281 min Scan# 900
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

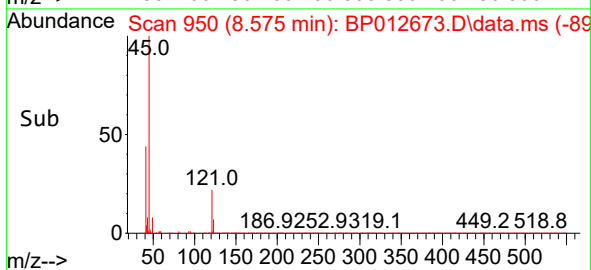
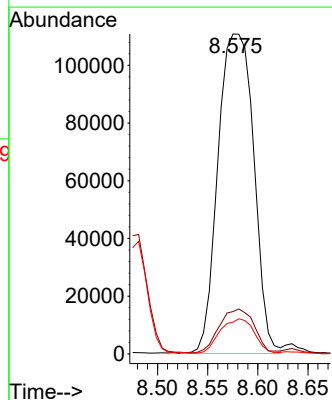
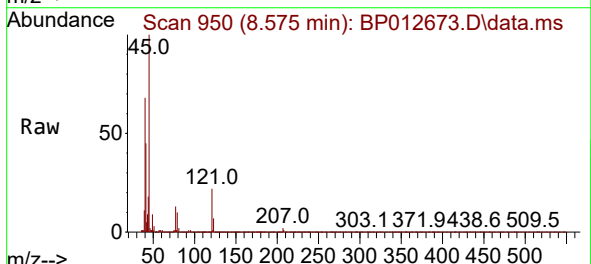
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

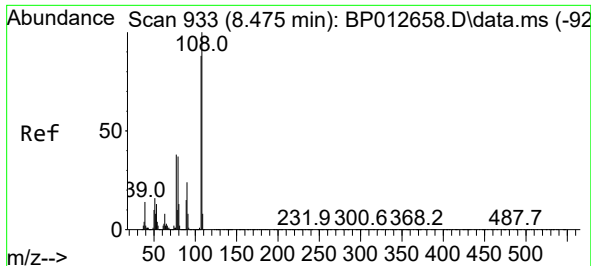
Tgt Ion: 79 Resp: 131249
Ion Ratio Lower Upper
79 100
108 82.6 66.4 99.6
77 75.6 53.2 79.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.850 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 45 Resp: 274373
Ion Ratio Lower Upper
45 100
77 13.2 0.0 33.8
79 9.9 0.0 30.7

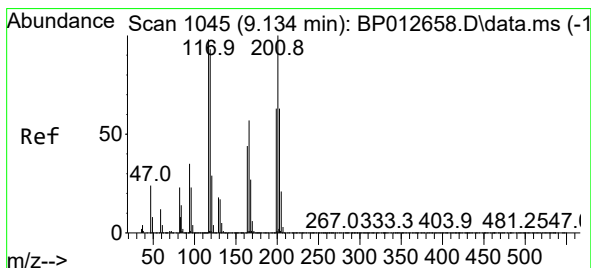
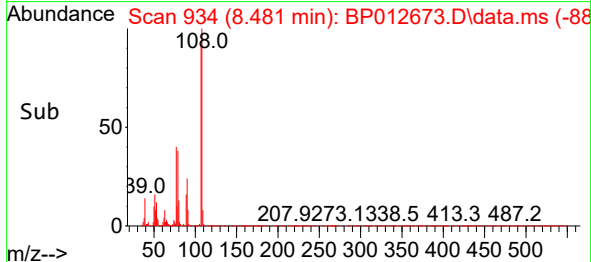
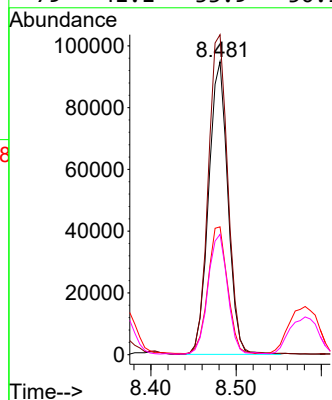
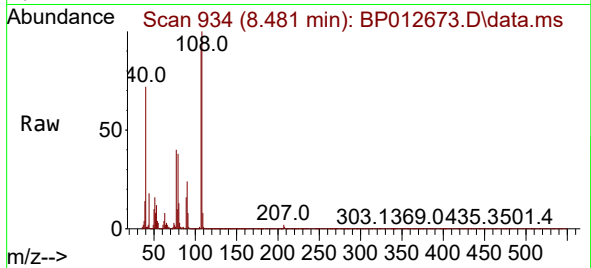




#17
2-Methylphenol
Concen: 11.275 ng
RT: 8.481 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

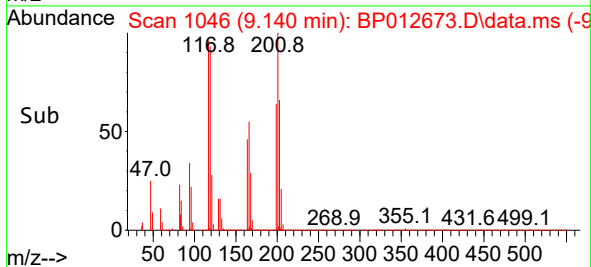
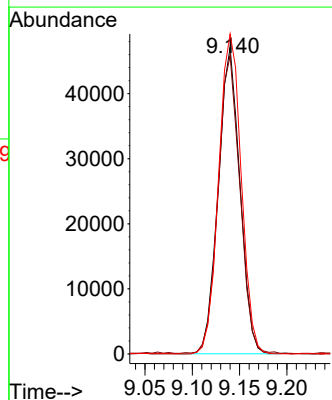
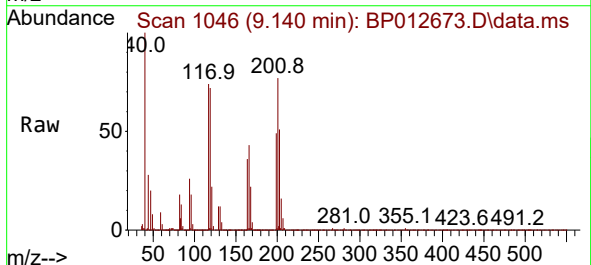
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

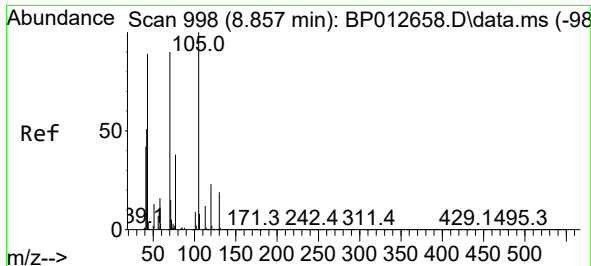
Tgt Ion:	107	Resp:	148529
Ion	Ratio	Lower	Upper
107	100		
108	109.3	91.0	136.6
77	43.6	35.1	52.7
79	41.1	33.9	50.9



#18
Hexachloroethane
Concen: 13.260 ng
RT: 9.140 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:	117	Resp:	74972
Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.1	114.1
201	104.4	81.8	122.8

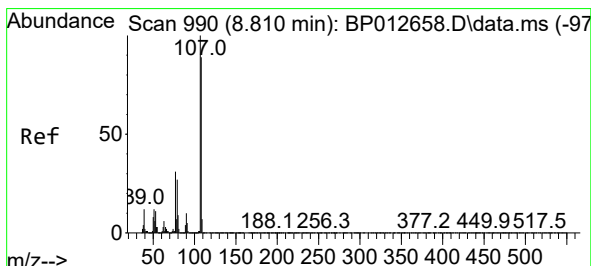
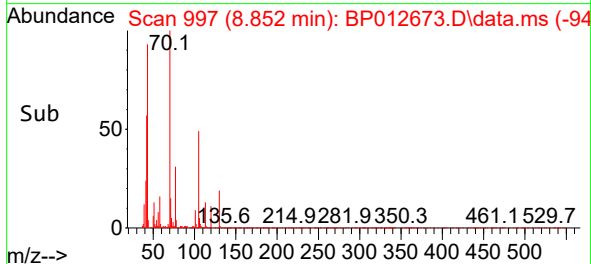
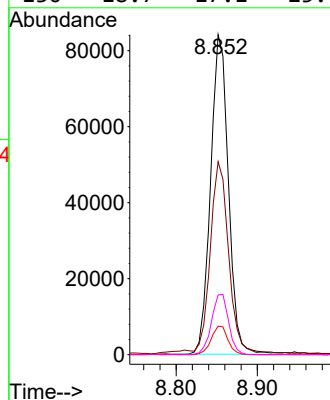
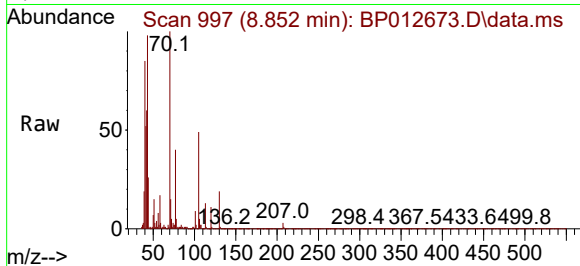




#19
n-Nitroso-di-n-propylamine
Concen: 11.185 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

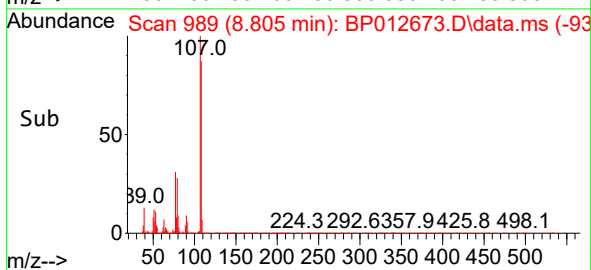
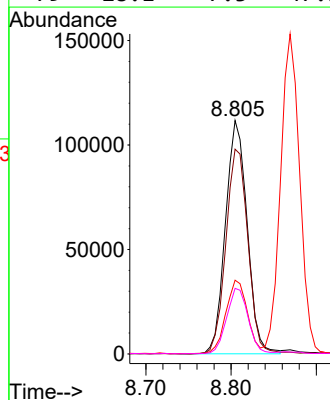
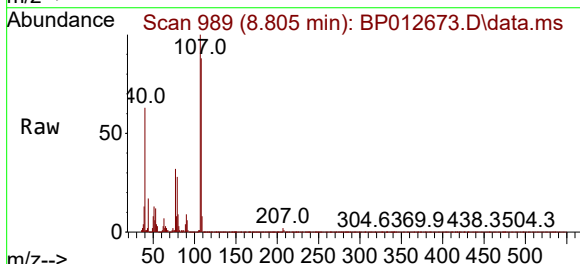
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

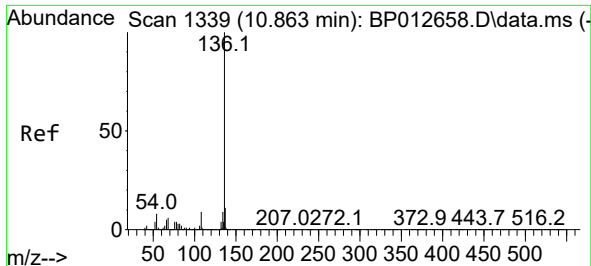
Tgt Ion:	70	Resp:	128201
Ion	Ratio	Lower	Upper
70	100		
42	60.3	46.4	69.6
101	8.9	7.6	11.4
130	18.7	17.1	25.7



#20
3+4-Methylphenols
Concen: 10.712 ng
RT: 8.805 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:	107	Resp:	197690
Ion	Ratio	Lower	Upper
107	100		
108	87.7	69.1	109.1
77	31.6	10.8	50.8
79	28.1	7.3	47.3

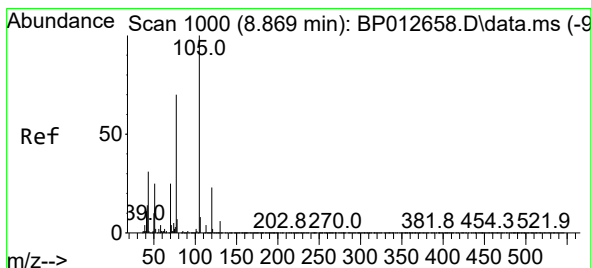
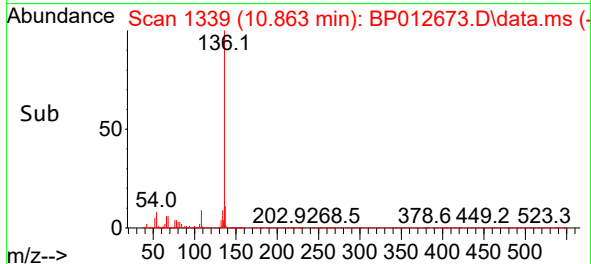
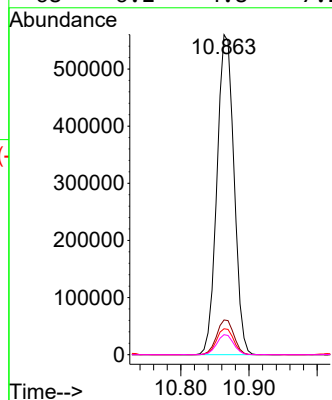
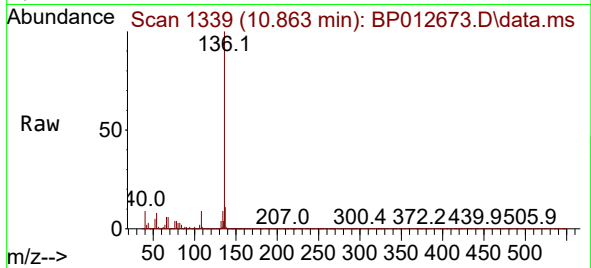




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

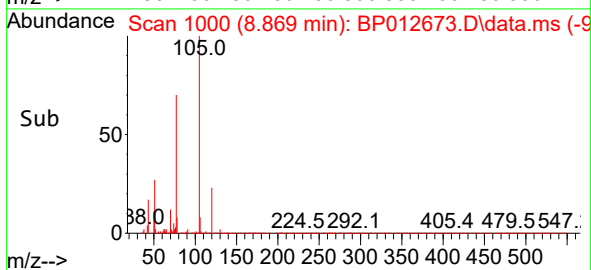
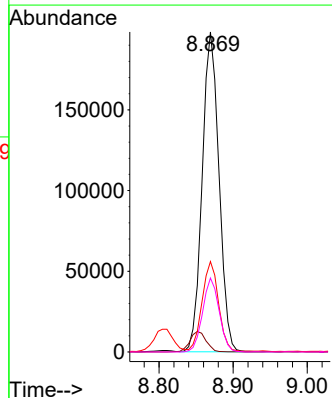
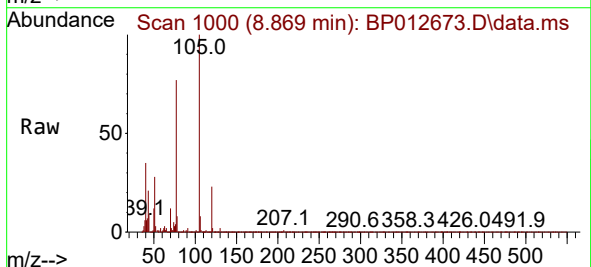
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

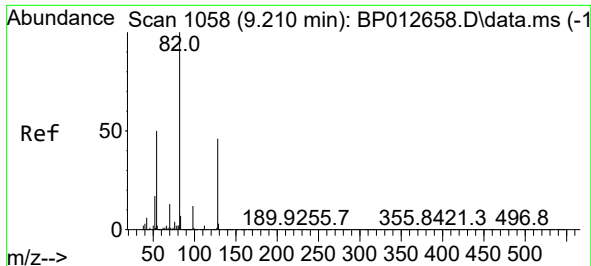
Tgt Ion:136 Resp: 973375
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.1 6.3 9.5
68 6.2 4.8 7.2



#22
Acetophenone
Concen: 12.837 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:105 Resp: 311899
Ion Ratio Lower Upper
105 100
71 1.8 3.1 4.7#
51 28.3 21.4 32.2
120 23.1 18.6 28.0

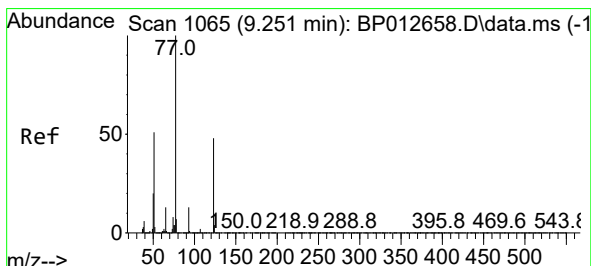
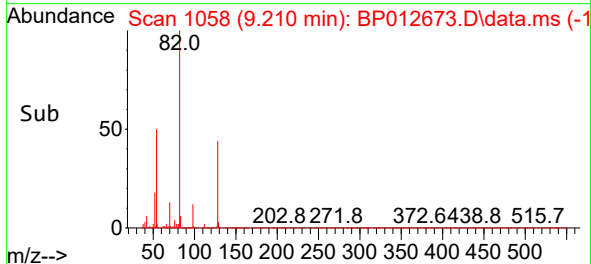
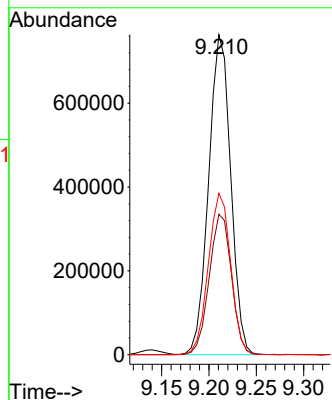
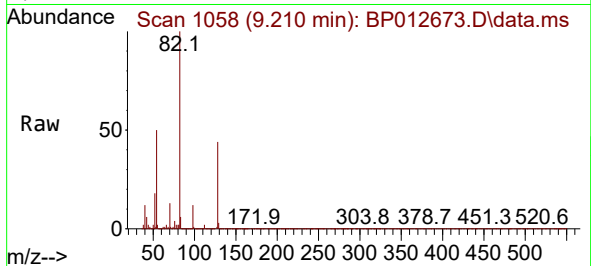




#23
Nitrobenzene-d5
Concen: 79.895 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

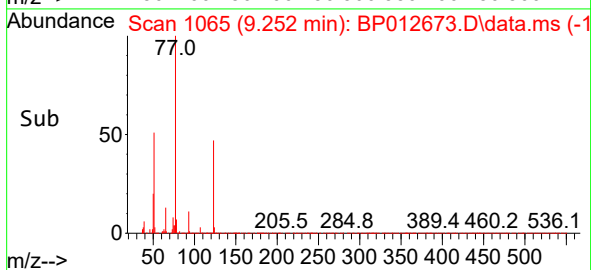
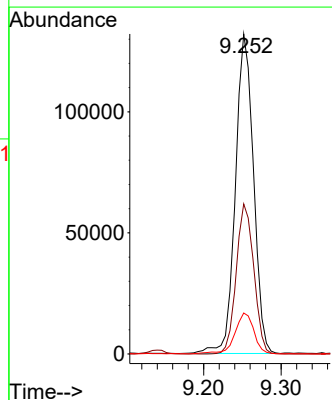
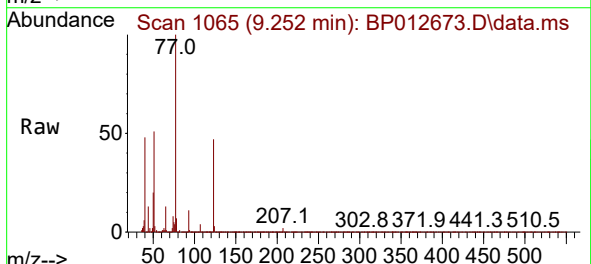
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

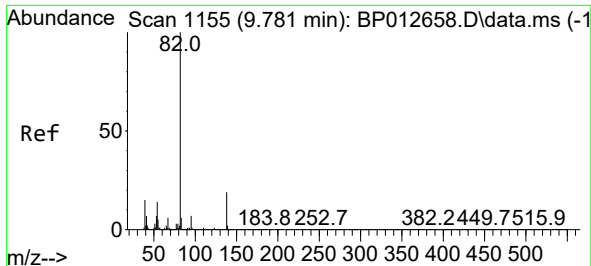
Tgt Ion: 82 Resp: 1236869
Ion Ratio Lower Upper
82 100
128 43.9 36.5 54.7
54 50.5 39.9 59.9



#24
Nitrobenzene
Concen: 12.809 ng
RT: 9.252 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 77 Resp: 214131
Ion Ratio Lower Upper
77 100
123 46.9 38.7 58.1
65 12.8 10.6 15.8

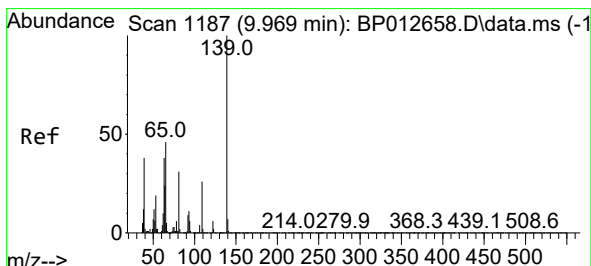
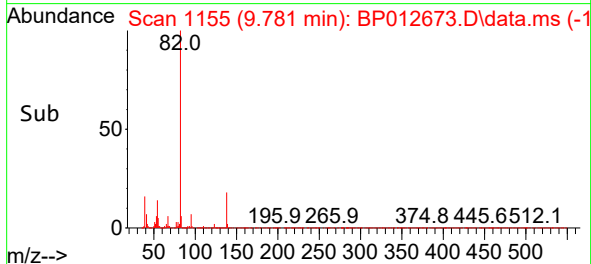
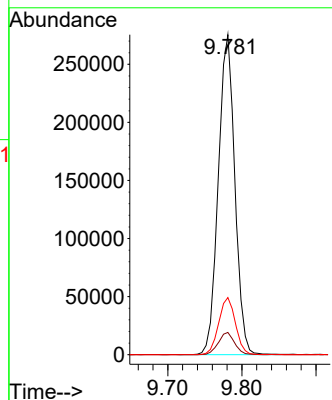
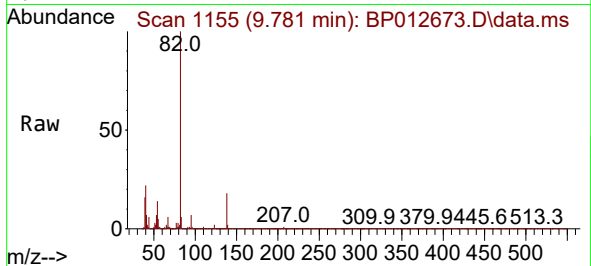




#25
Isophorone
Concen: 12.264 ng
RT: 9.781 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

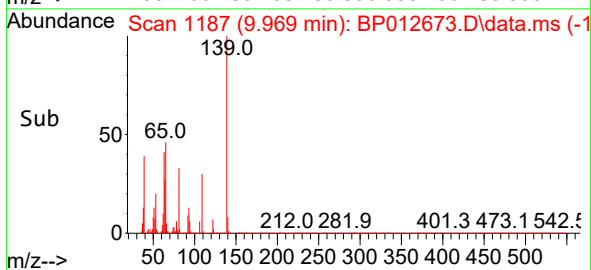
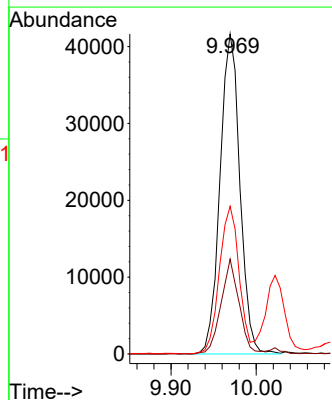
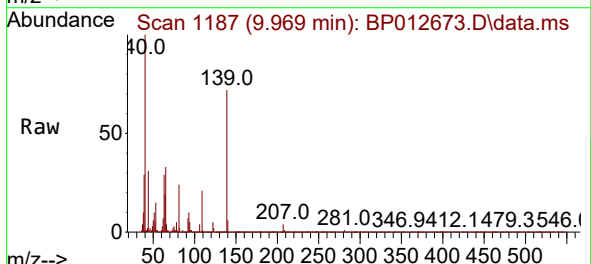
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

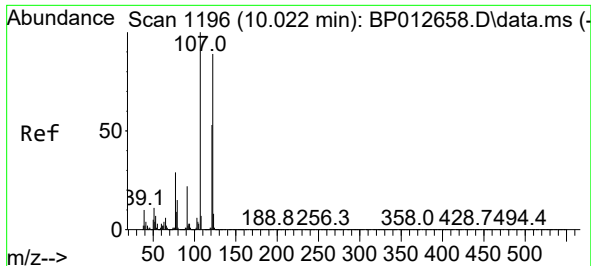
Tgt Ion: 82 Resp: 427084
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 17.9 14.9 22.3



#26
2-Nitrophenol
Concen: 9.317 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 139 Resp: 67538
Ion Ratio Lower Upper
139 100
109 29.7 20.9 31.3
65 46.2 36.6 54.8

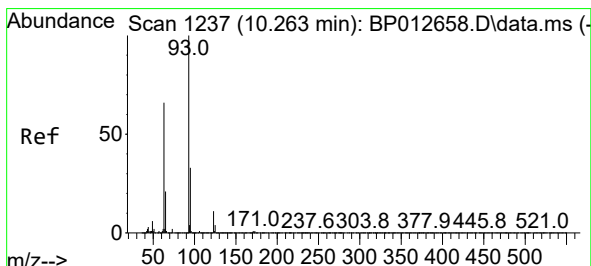
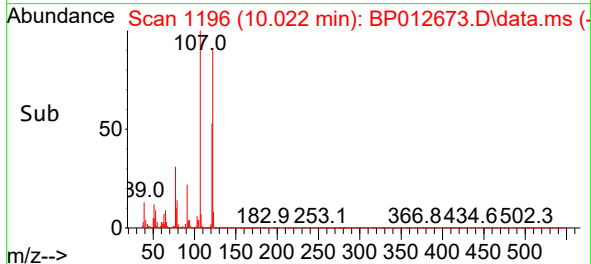
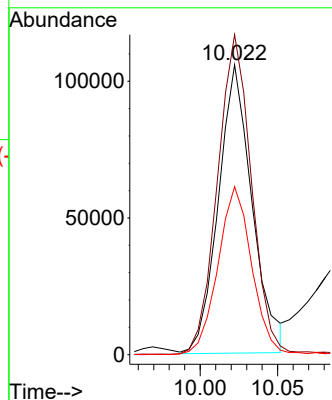
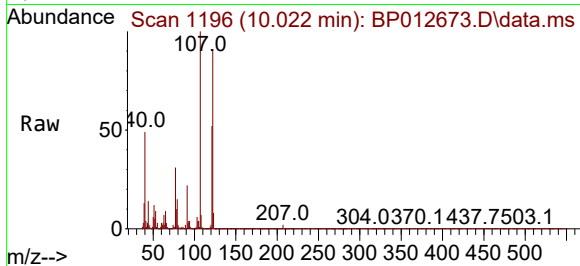




#27
2,4-Dimethylphenol
Concen: 11.685 ng
RT: 10.022 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

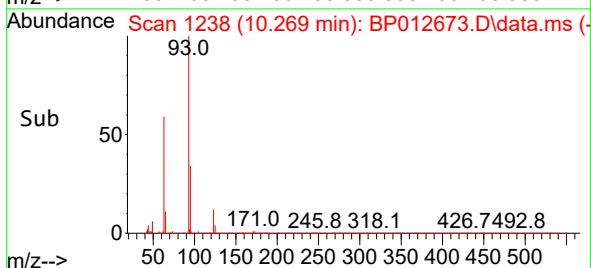
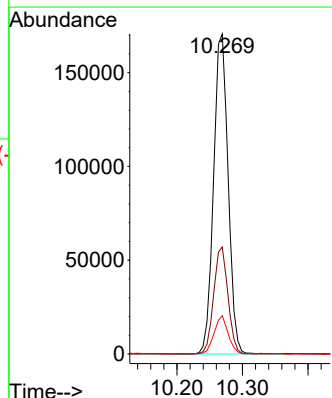
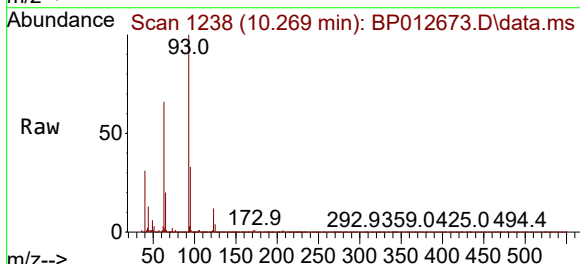
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

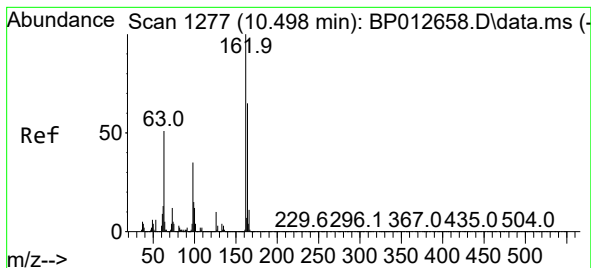
Tgt Ion:122 Resp: 159857
Ion Ratio Lower Upper
122 100
107 110.4 89.2 133.8
121 57.9 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 13.239 ng
RT: 10.269 min Scan# 1238
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion: 93 Resp: 262207
Ion Ratio Lower Upper
93 100
95 33.4 26.2 39.4
123 11.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 11.081 ng

RT: 10.499 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

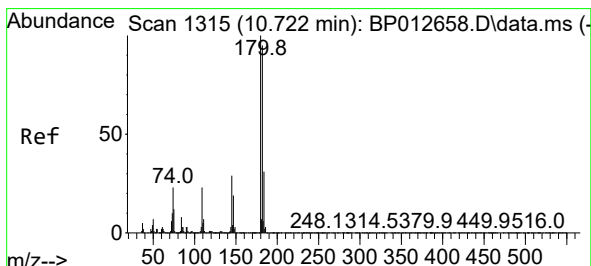
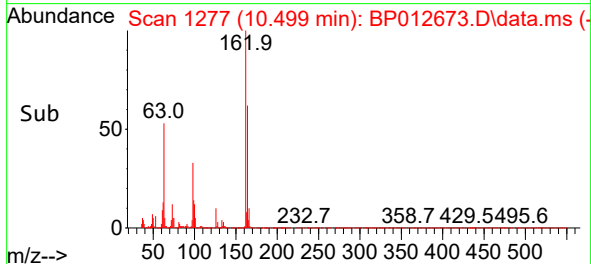
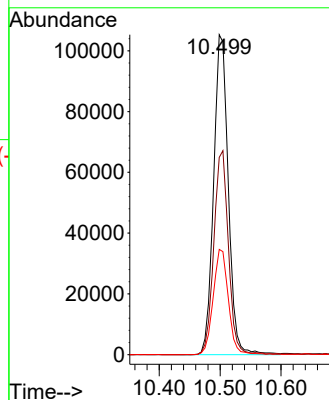
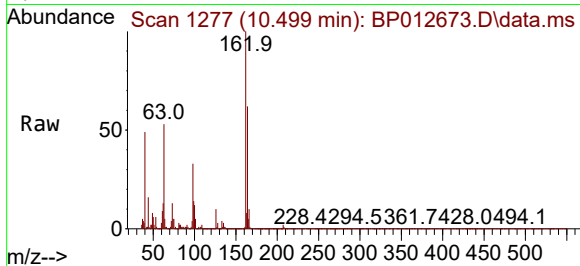
Tgt Ion:162 Resp: 176198

Ion Ratio Lower Upper

162 100

164 61.7 44.7 84.7

98 32.9 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 12.191 ng

RT: 10.722 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

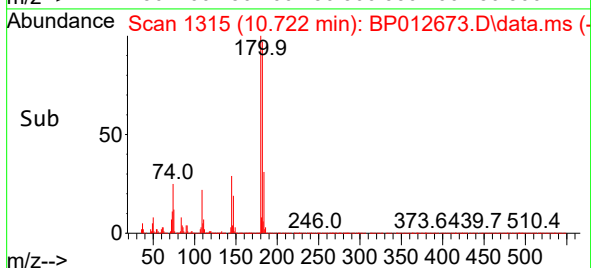
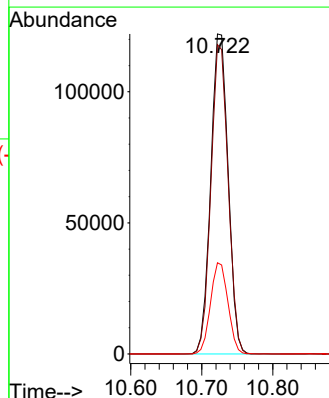
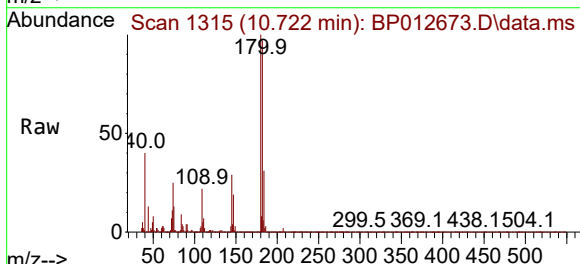
Tgt Ion:180 Resp: 208072

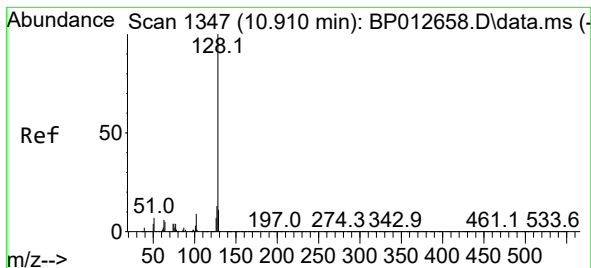
Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

145 28.5 23.0 34.4





#31

Naphthalene

Concen: 12.155 ng

RT: 10.916 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

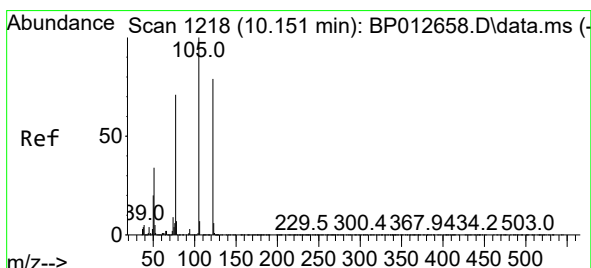
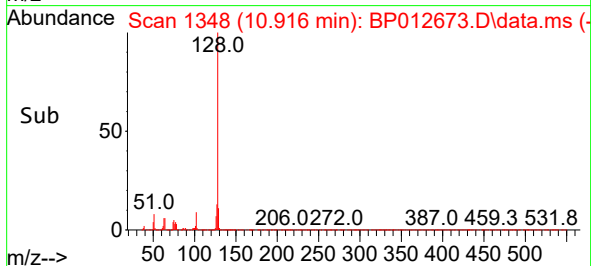
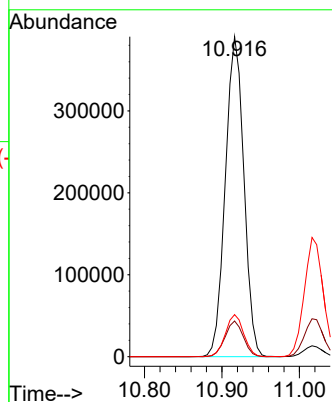
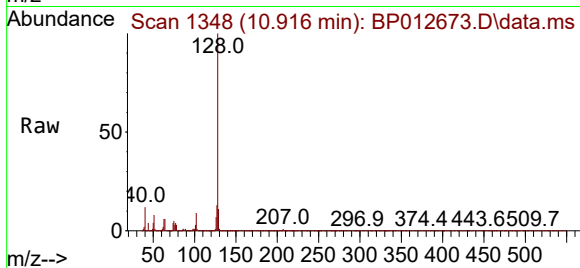
Tgt Ion:128 Resp: 650432

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.1 10.5 15.7



#32

Benzoic acid

Concen: 7.881 ng

RT: 10.093 min Scan# 1208

Delta R.T. -0.058 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

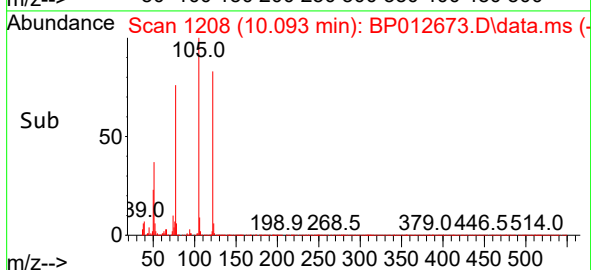
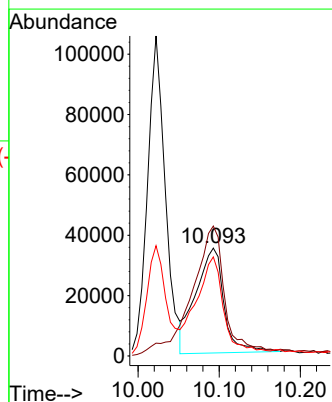
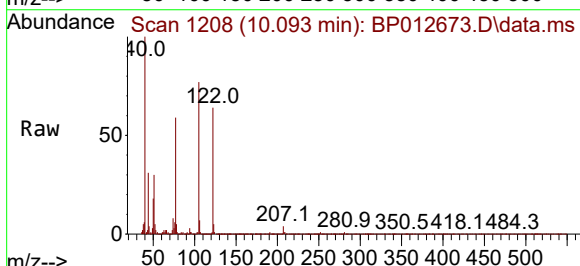
Tgt Ion:122 Resp: 84420

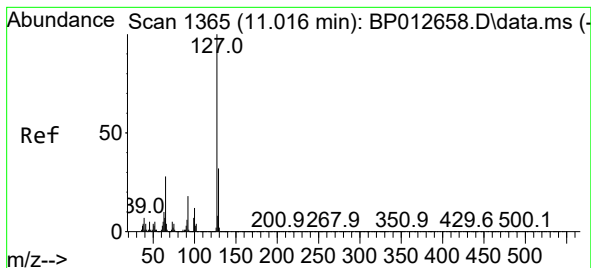
Ion Ratio Lower Upper

122 100

105 120.5 101.1 141.1

77 91.8 67.6 107.6





#33

4-Chloroaniline

Concen: 11.051 ng

RT: 11.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:127 Resp: 246377

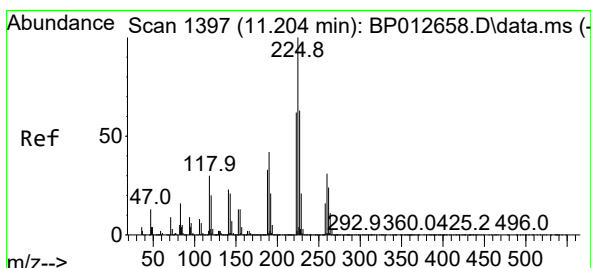
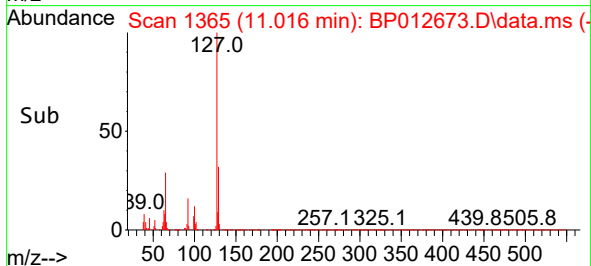
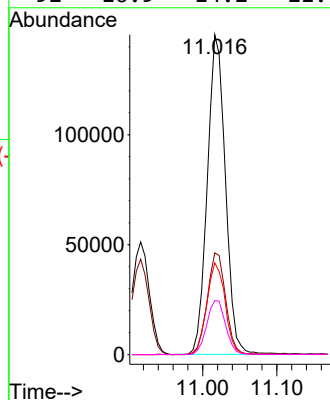
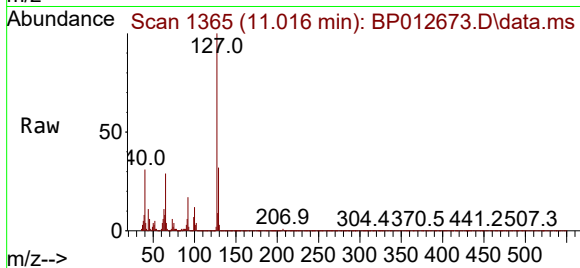
Ion Ratio Lower Upper

127 100

129 31.8 25.4 38.0

65 28.7 22.6 33.8

92 16.9 14.2 21.4



#34

Hexachlorobutadiene

Concen: 12.696 ng

RT: 11.204 min Scan# 1397

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

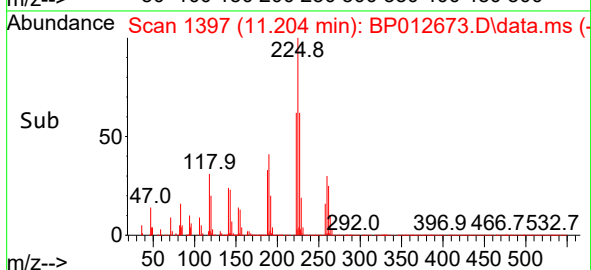
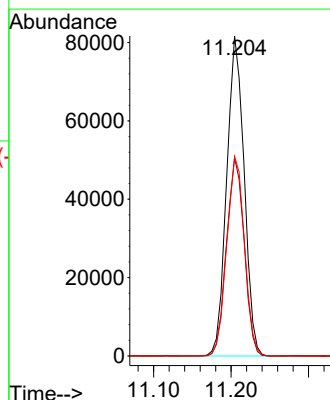
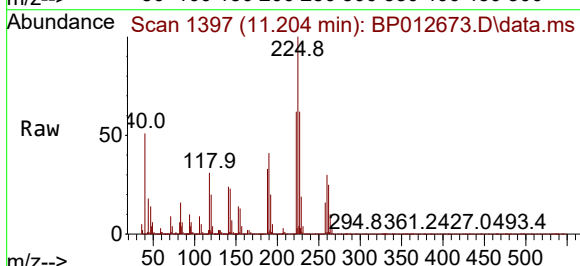
Tgt Ion:225 Resp: 128025

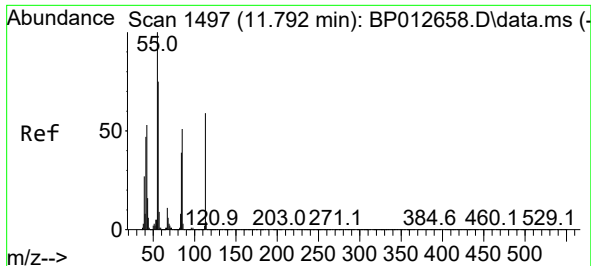
Ion Ratio Lower Upper

225 100

223 61.9 49.6 74.4

227 62.3 50.0 75.0

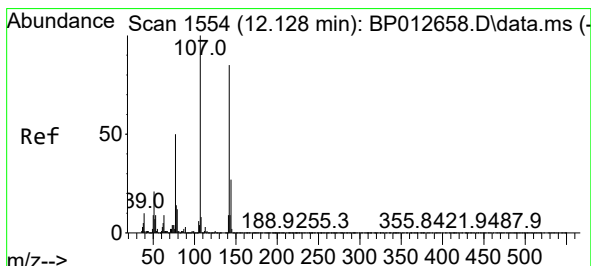
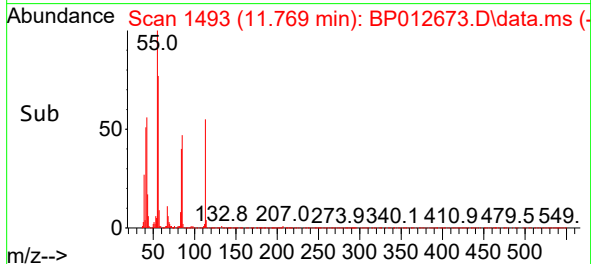
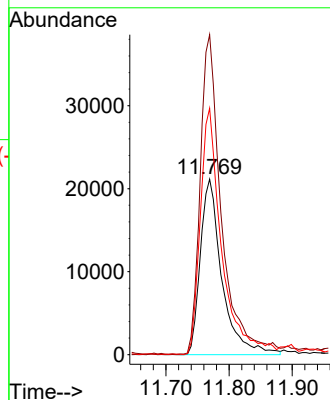
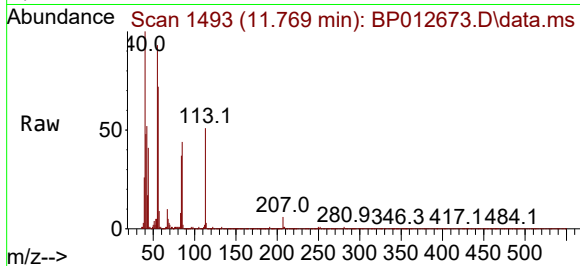




#35
Caprolactam
Concen: 9.676 ng
RT: 11.769 min Scan# 1493
Delta R.T. -0.023 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

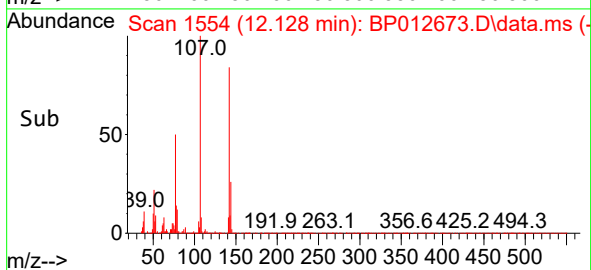
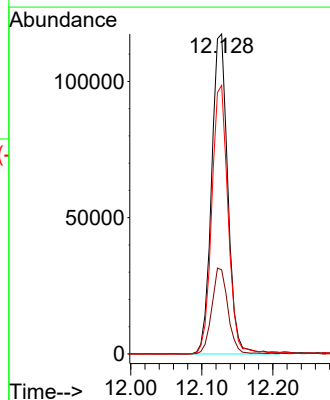
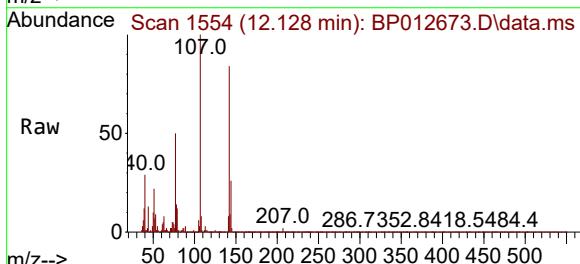
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

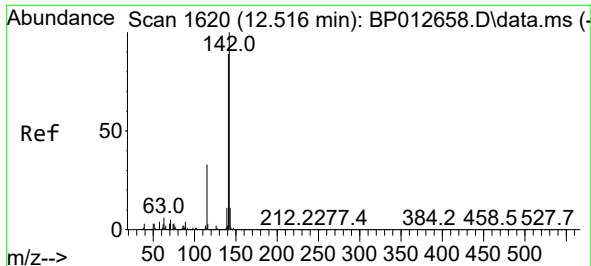
Tgt Ion:113 Resp: 50095
Ion Ratio Lower Upper
113 100
55 182.3 149.2 189.2
56 140.4 106.9 146.9



#36
4-Chloro-3-methylphenol
Concen: 10.922 ng
RT: 12.128 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:107 Resp: 186420
Ion Ratio Lower Upper
107 100
144 26.3 21.9 32.9
142 83.9 68.1 102.1

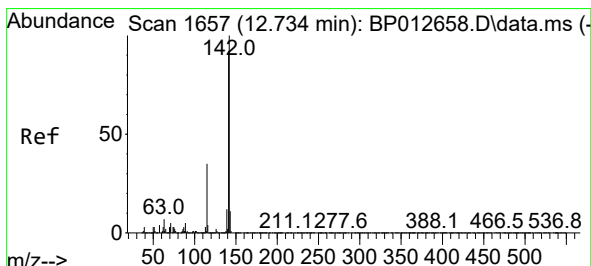
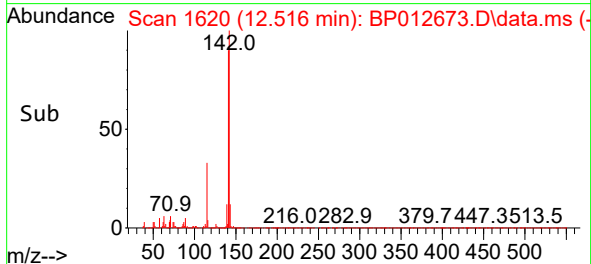
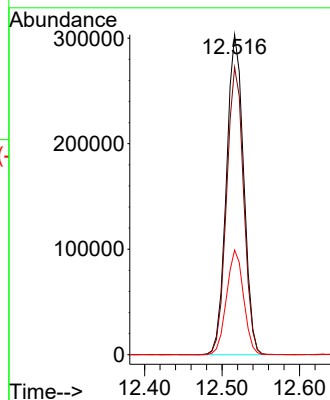
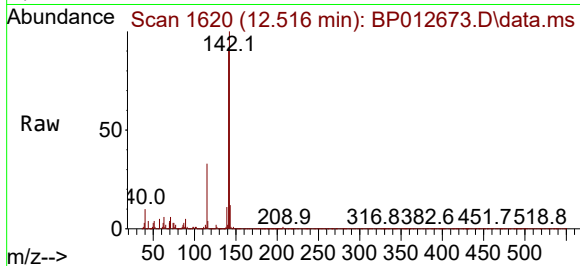




#37
2-Methylnaphthalene
Concen: 12.244 ng
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

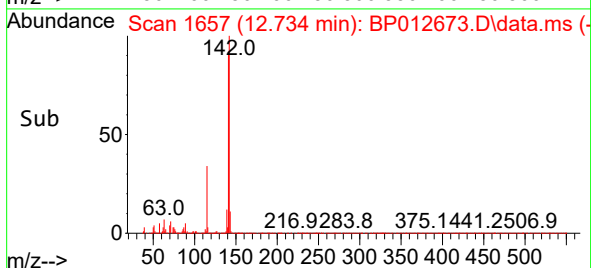
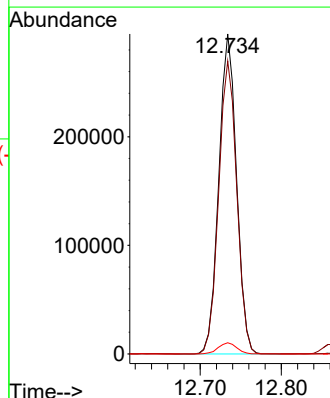
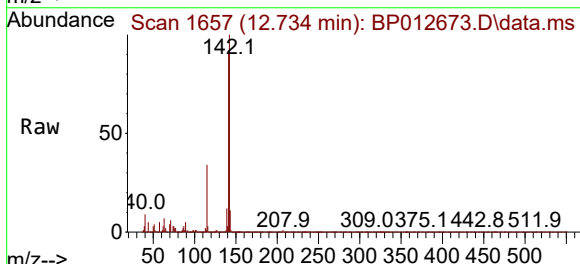
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

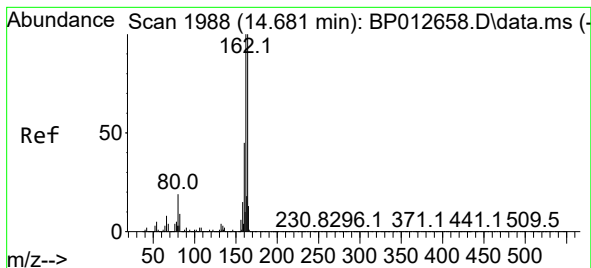
Tgt Ion:142 Resp: 468558
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.6
115 32.7 26.2 39.4



#38
1-Methylnaphthalene
Concen: 11.905 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:142 Resp: 447688
Ion Ratio Lower Upper
142 100
141 91.5 73.9 110.9
116 3.5 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.681 min Scan# 1988

Delta R.T. -0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

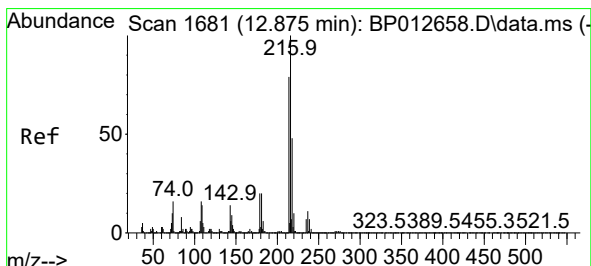
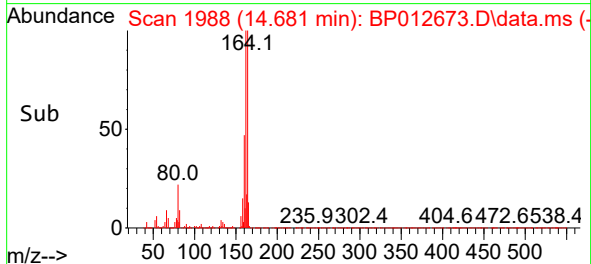
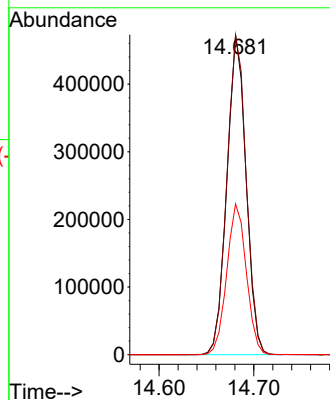
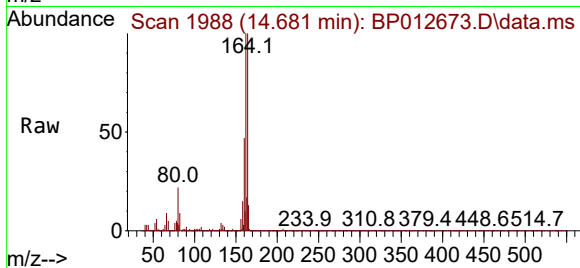
Tgt Ion:164 Resp: 664732

Ion Ratio Lower Upper

164 100

162 99.9 80.3 120.5

160 47.1 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 13.097 ng

RT: 12.881 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Tgt Ion:216 Resp: 253912

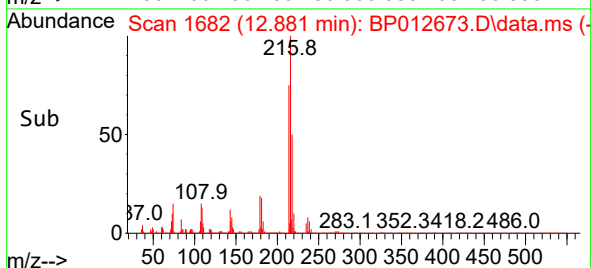
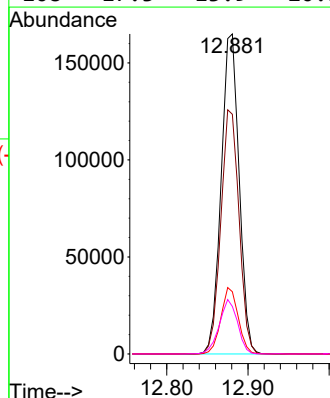
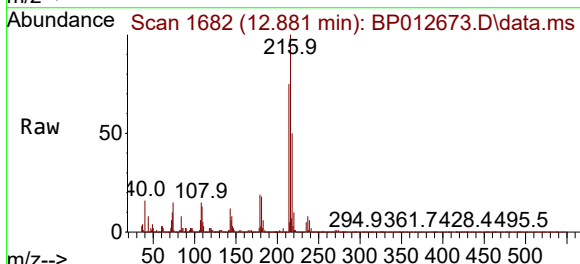
Ion Ratio Lower Upper

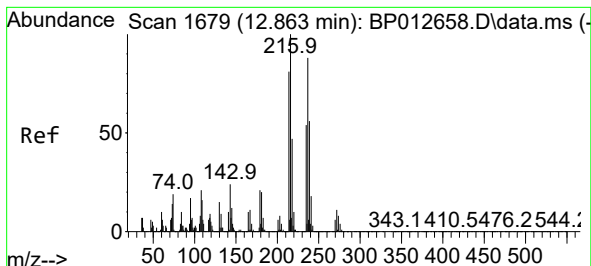
216 100

214 77.2 62.5 93.7

179 20.0 16.6 24.8

108 17.3 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 14.337 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

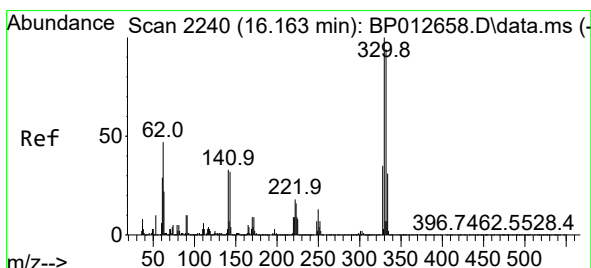
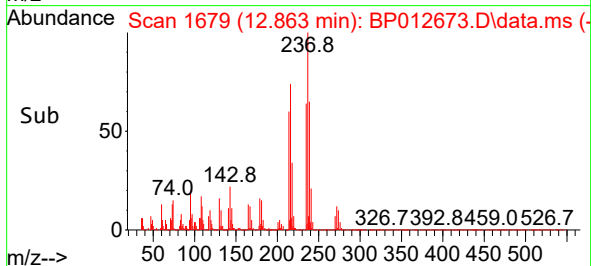
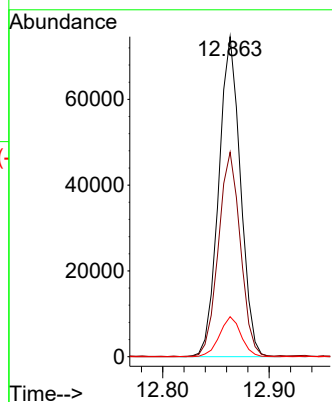
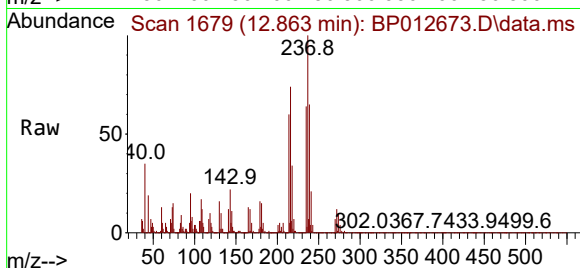
Tgt Ion:237 Resp: 105719

Ion Ratio Lower Upper

237 100

235 63.9 41.7 81.7

272 12.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 96.030 ng

RT: 16.169 min Scan# 2241

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

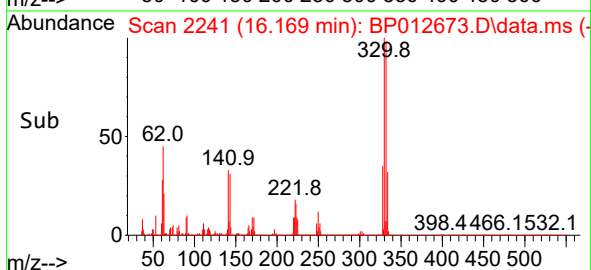
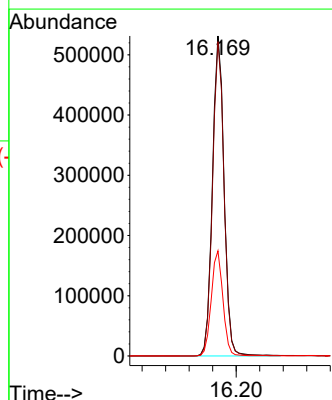
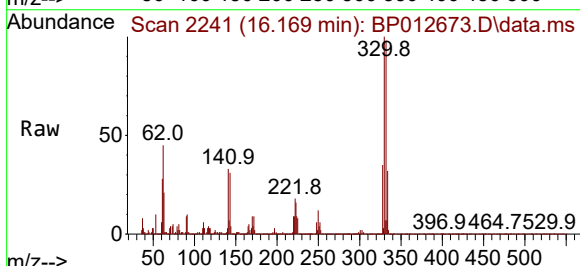
Tgt Ion:330 Resp: 730514

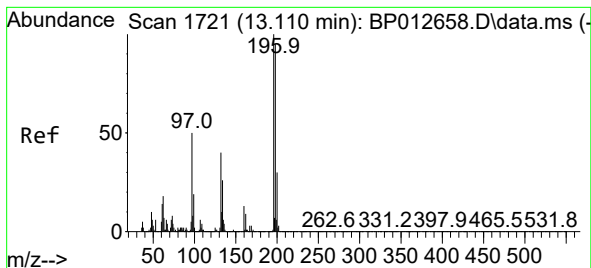
Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.4

141 33.0 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 10.599 ng

RT: 13.110 min Scan# 1721

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

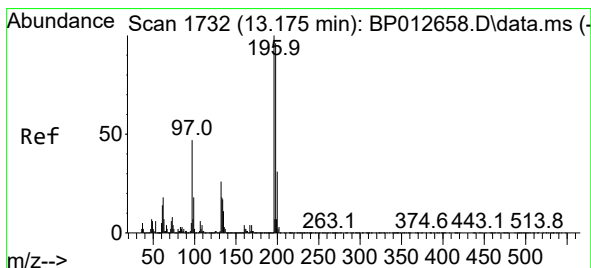
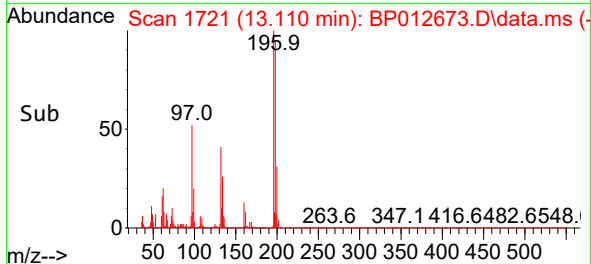
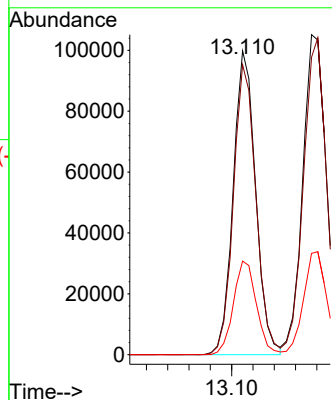
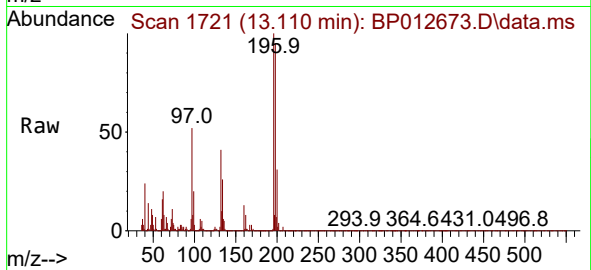
Tgt Ion:196 Resp: 146303

Ion Ratio Lower Upper

196 100

198 95.4 75.8 113.6

200 30.8 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 10.783 ng

RT: 13.175 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Tgt Ion:196 Resp: 164670

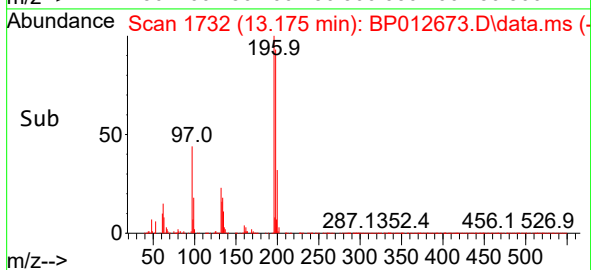
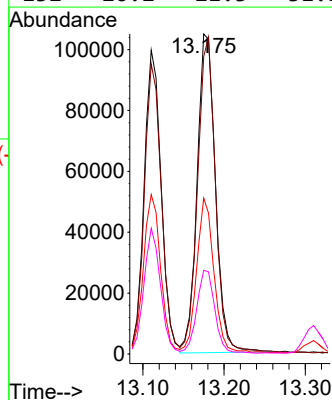
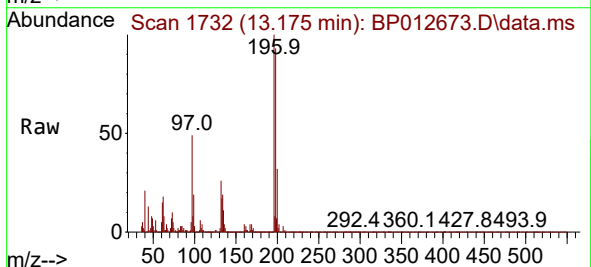
Ion Ratio Lower Upper

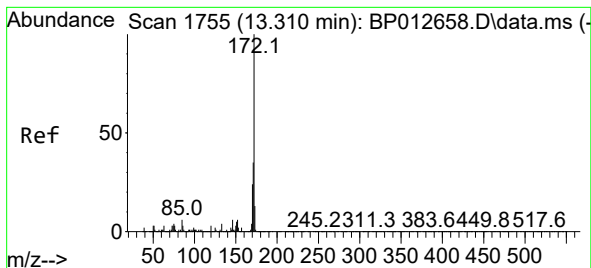
196 100

198 92.9 76.4 114.6

97 48.7 37.5 56.3

132 26.2 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 76.253 ng

RT: 13.310 min Scan# 1755

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

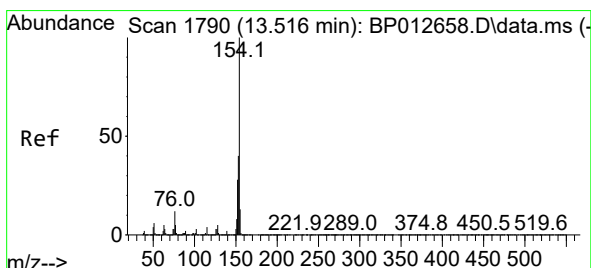
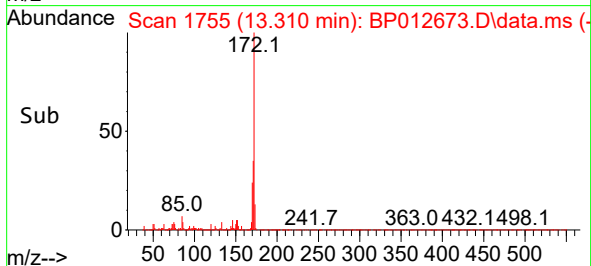
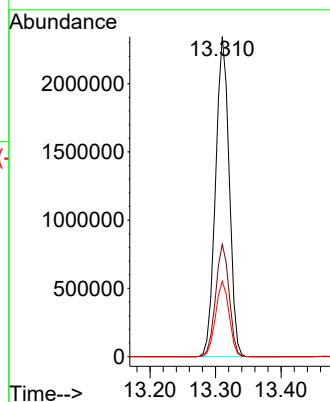
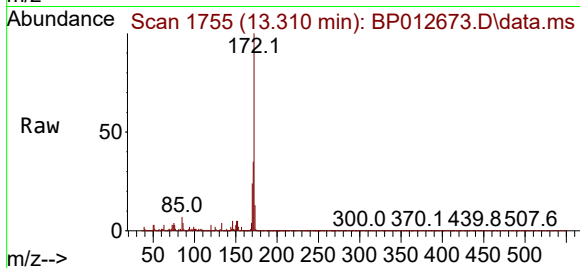
Tgt Ion:172 Resp: 3368747

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 19.3 28.9



#46

1,1'-Biphenyl

Concen: 12.980 ng

RT: 13.516 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

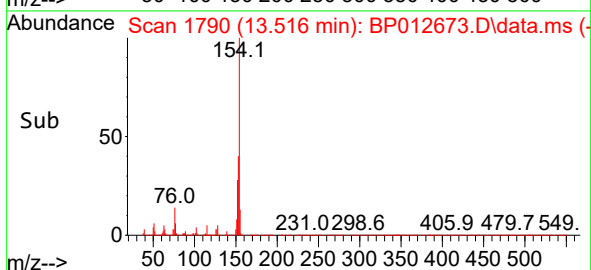
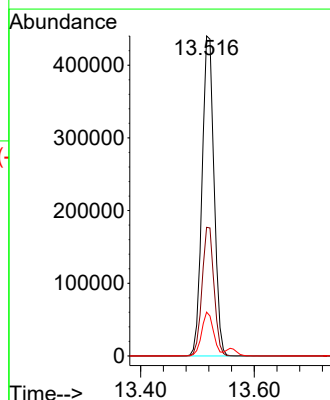
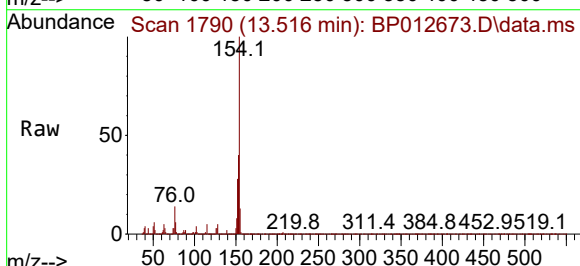
Tgt Ion:154 Resp: 645199

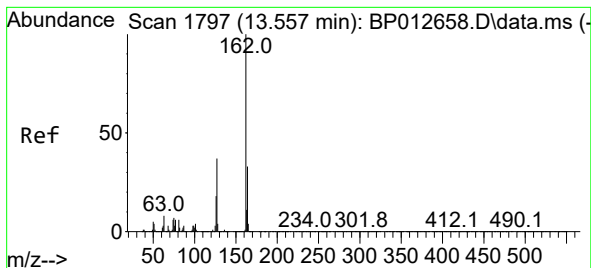
Ion Ratio Lower Upper

154 100

153 40.2 19.6 59.6

76 13.7 0.0 32.4





#47

2-Chloronaphthalene

Concen: 12.484 ng

RT: 13.557 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

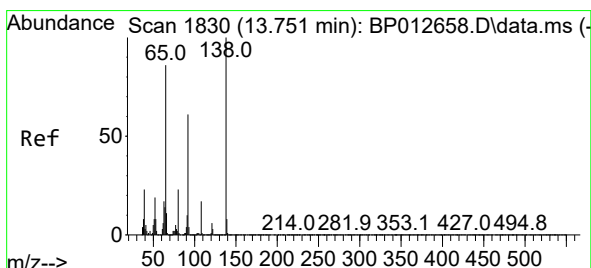
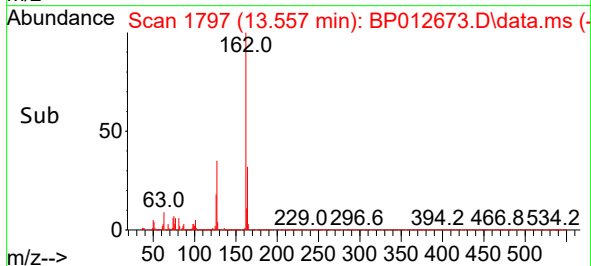
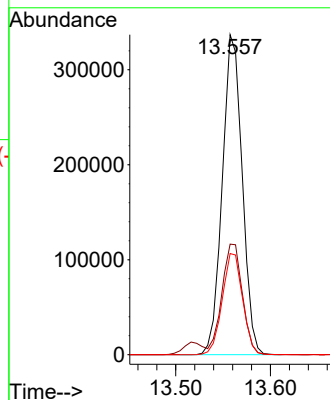
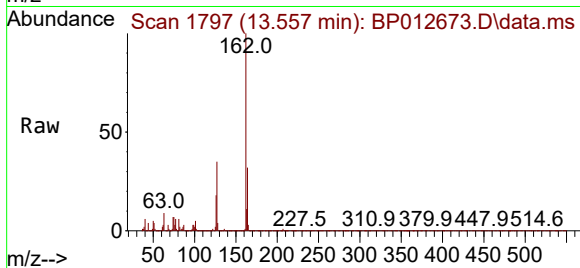
Tgt Ion:162 Resp: 492757

Ion Ratio Lower Upper

162 100

127 34.5 29.4 44.2

164 31.6 26.4 39.6



#48

2-Nitroaniline

Concen: 8.515 ng

RT: 13.757 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

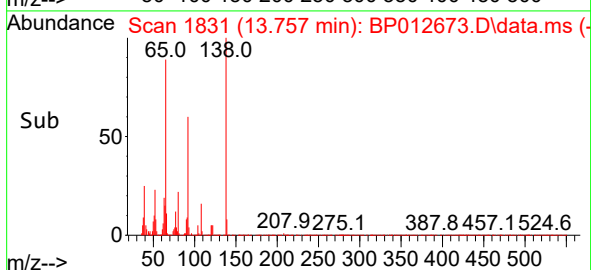
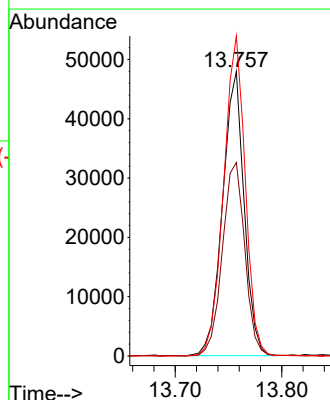
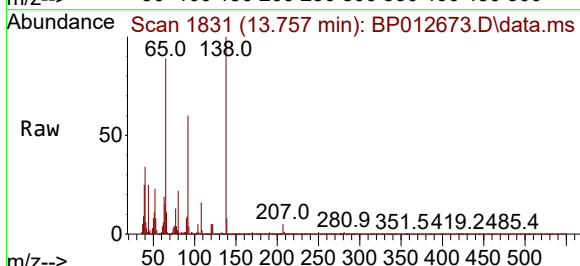
Tgt Ion: 65 Resp: 67262

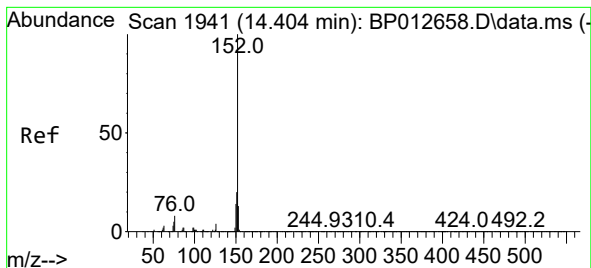
Ion Ratio Lower Upper

65 100

92 68.0 56.7 85.1

138 112.5 92.7 139.1





#49

Acenaphthylene

Concen: 12.105 ng

RT: 14.404 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

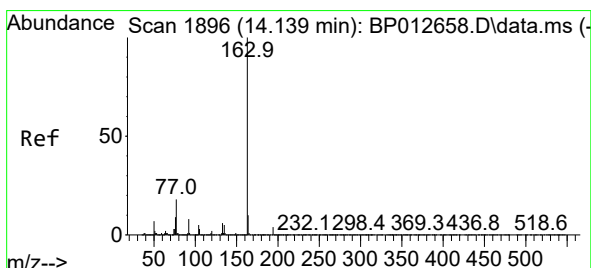
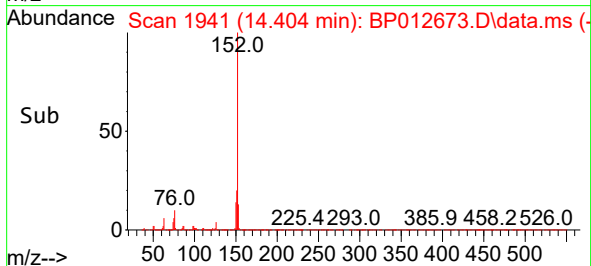
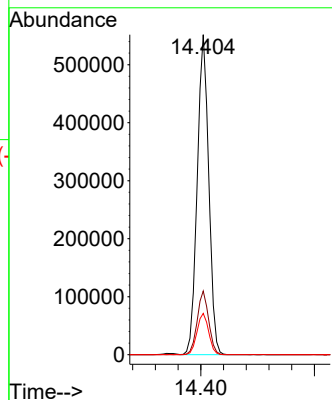
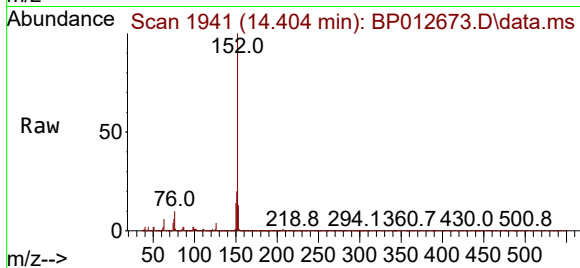
Tgt Ion:152 Resp: 779790

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 12.9 10.6 15.8



#50

Dimethylphthalate

Concen: 11.471 ng

RT: 14.134 min Scan# 1895

Delta R.T. -0.005 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

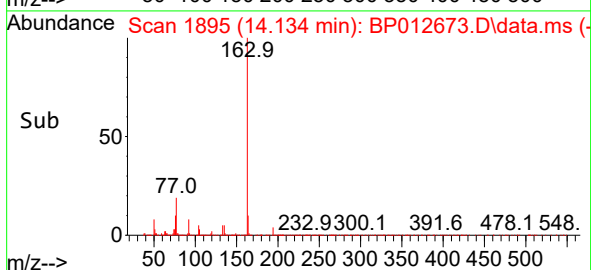
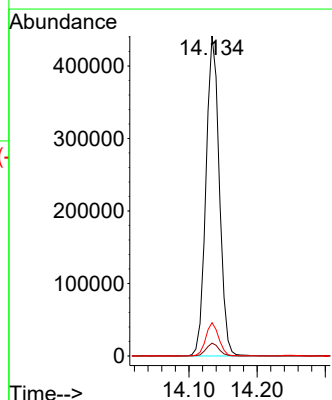
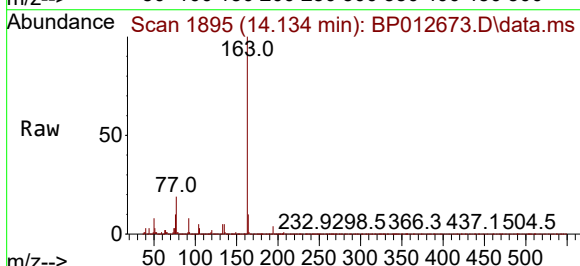
Tgt Ion:163 Resp: 600594

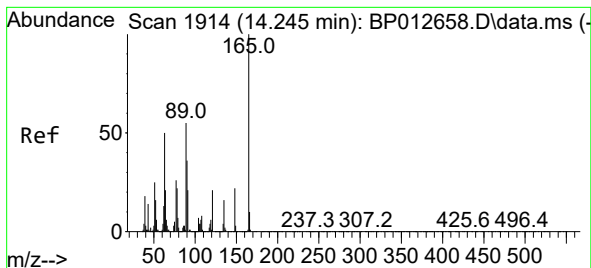
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.4 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 10.797 ng

RT: 14.245 min Scan# 1914

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

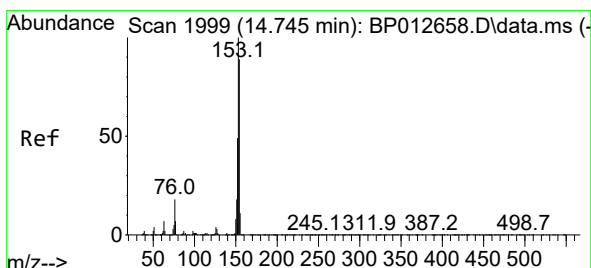
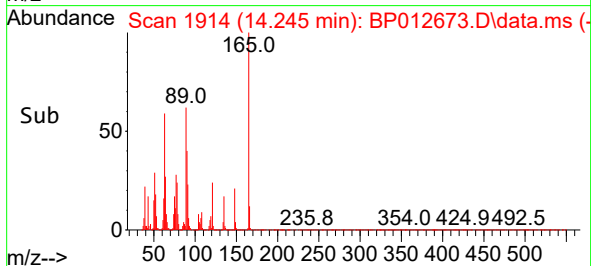
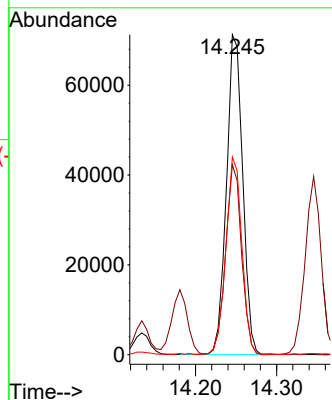
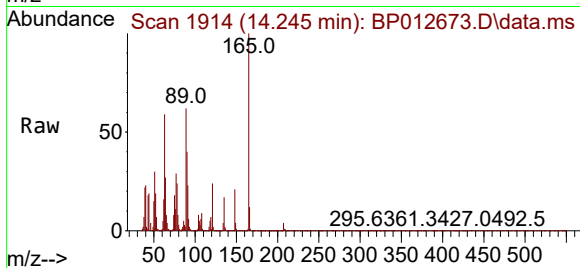
Tgt Ion:165 Resp: 99133

Ion Ratio Lower Upper

165 100

63 59.3 42.6 63.8

89 61.7 44.0 66.0



#52

Acenaphthene

Concen: 11.877 ng

RT: 14.745 min Scan# 1999

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

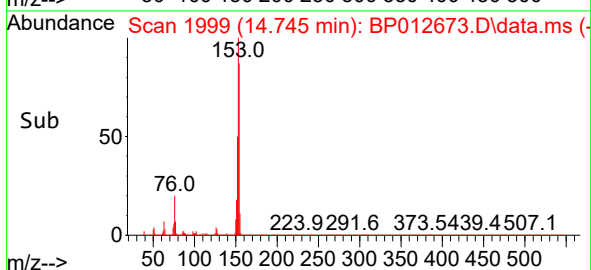
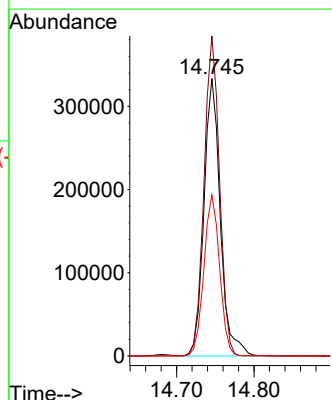
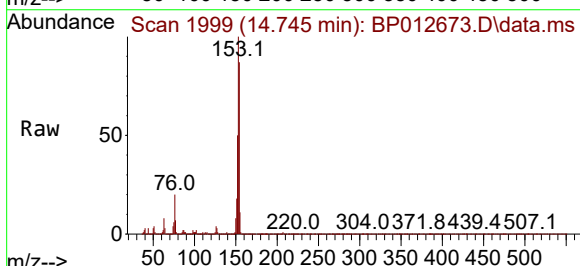
Tgt Ion:154 Resp: 488273

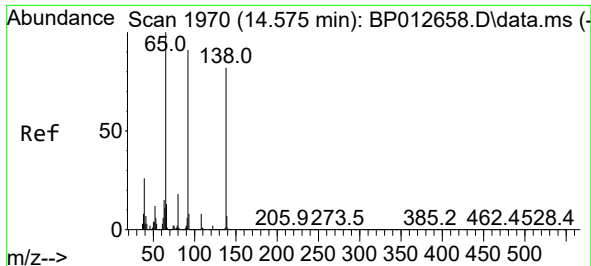
Ion Ratio Lower Upper

154 100

153 115.4 90.2 135.2

152 58.0 43.9 65.9

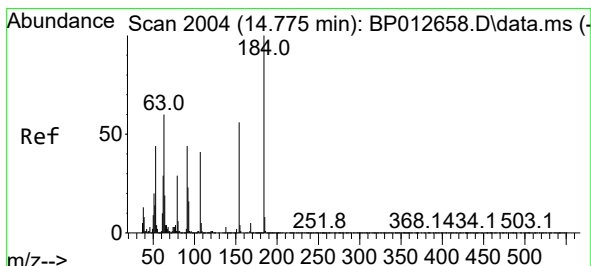
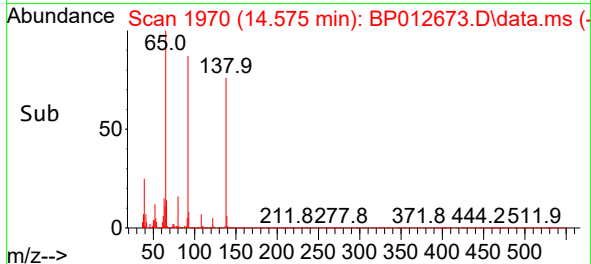
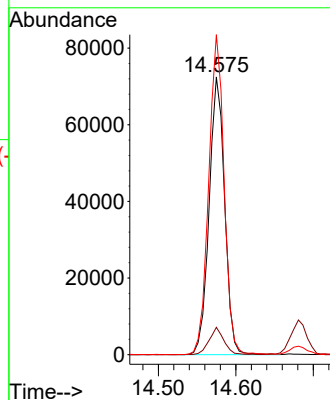
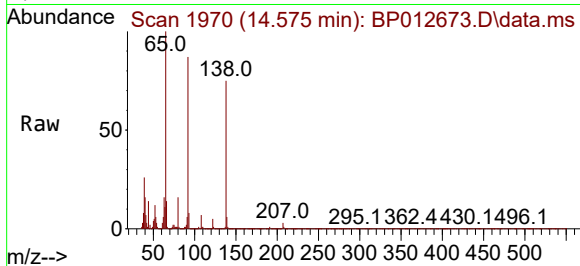




#53
3-Nitroaniline
Concen: 9.586 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

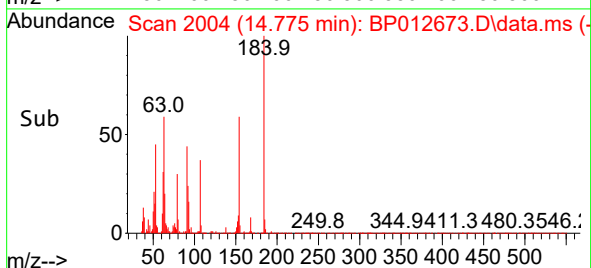
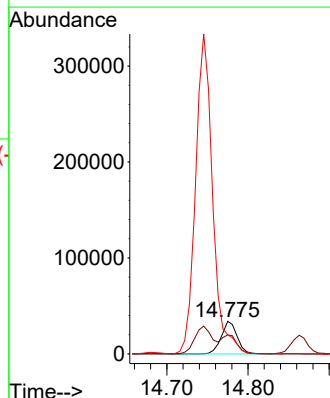
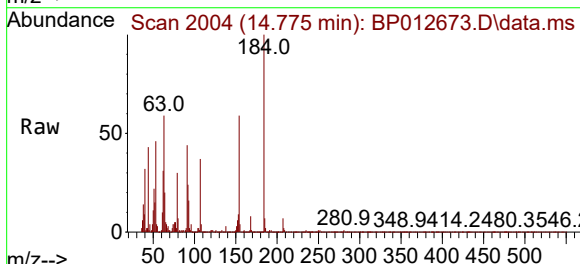
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

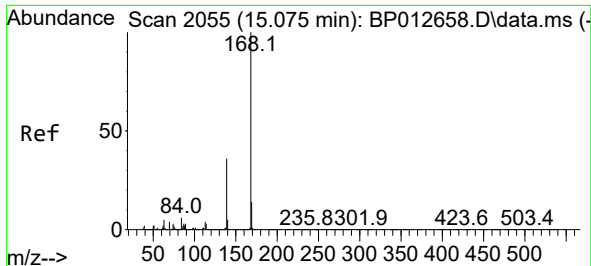
Tgt Ion:138 Resp: 100789
Ion Ratio Lower Upper
138 100
108 9.8 8.2 12.2
92 115.2 89.1 133.7



#54
2,4-Dinitrophenol
Concen: 9.137 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:184 Resp: 46585
Ion Ratio Lower Upper
184 100
63 58.5 48.0 72.0
154 59.2 47.1 70.7

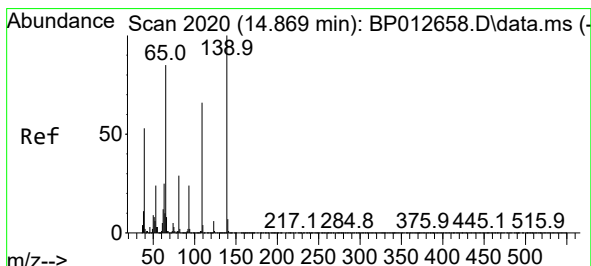
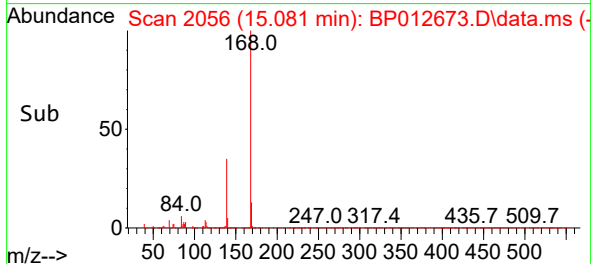
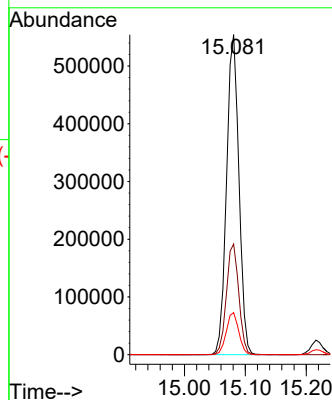
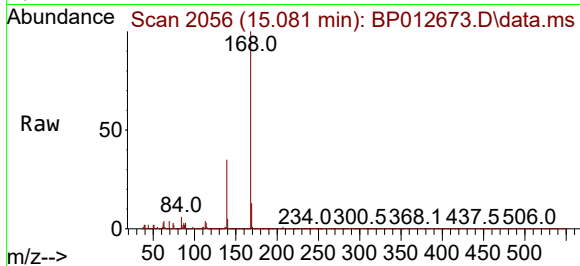




#55
Dibenzenofuran
Concen: 12.571 ng
RT: 15.081 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

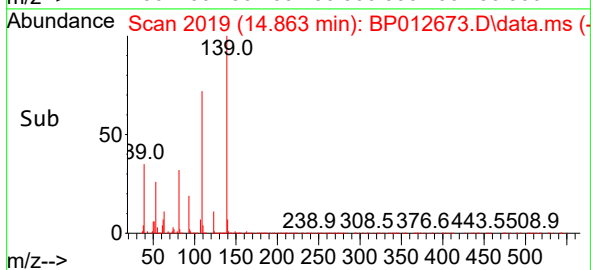
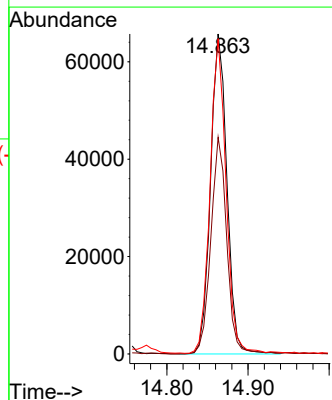
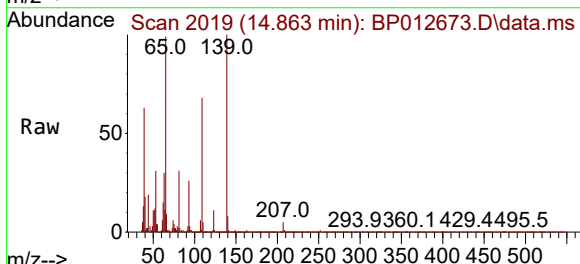
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

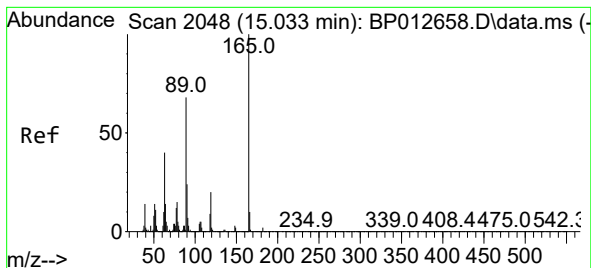
Tgt Ion:168 Resp: 780177
Ion Ratio Lower Upper
168 100
139 34.6 29.0 43.6
169 13.2 11.0 16.4



#56
4-Nitrophenol
Concen: 9.338 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:139 Resp: 91905
Ion Ratio Lower Upper
139 100
109 67.7 45.7 85.7
65 98.6 65.4 105.4

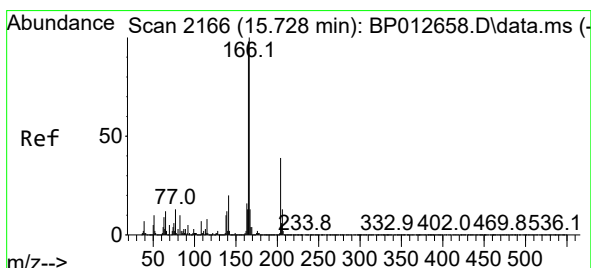
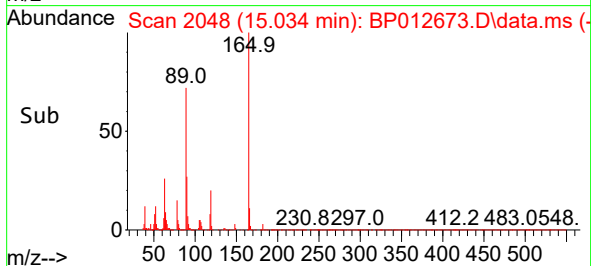
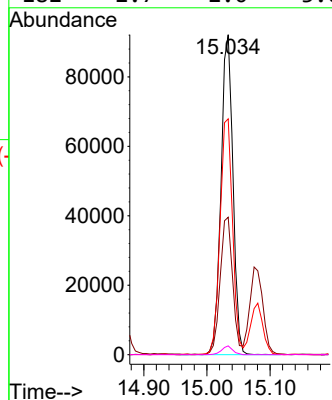
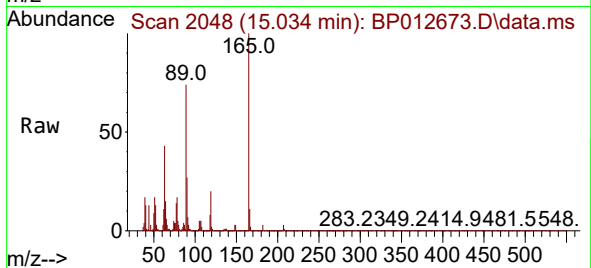




#57
2,4-Dinitrotoluene
Concen: 9.892 ng
RT: 15.034 min Scan# 2048
Delta R.T. 0.001 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

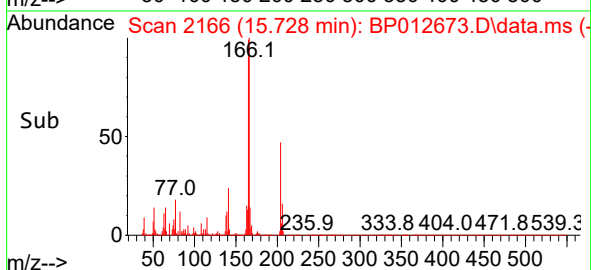
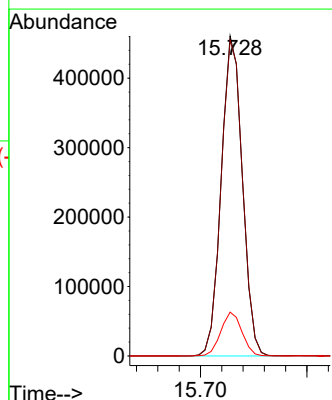
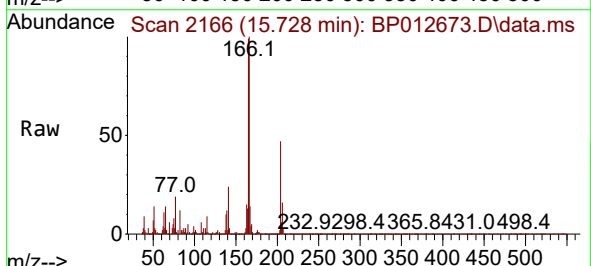
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

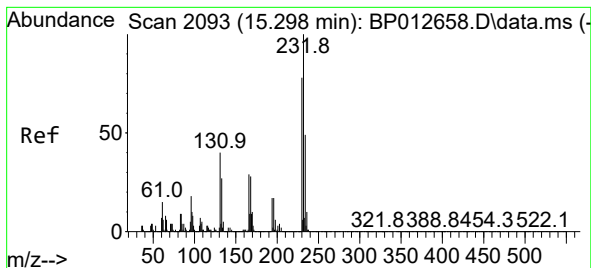
Tgt Ion:	165	Resp:	120810
Ion Ratio	Lower	Upper	
165	100		
63	43.0	32.0	48.0
89	73.7	54.1	81.1
182	2.7	2.0	3.0



#58
Fluorene
Concen: 12.947 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:	166	Resp:	632433
Ion Ratio	Lower	Upper	
166	100		
165	98.7	78.8	118.2
167	13.7	10.8	16.2

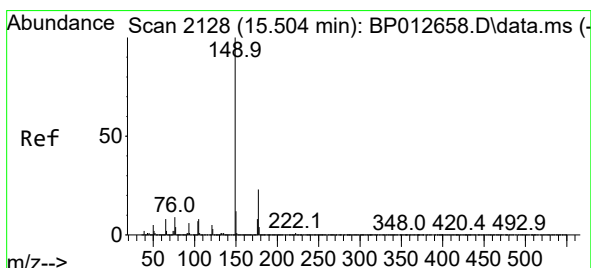
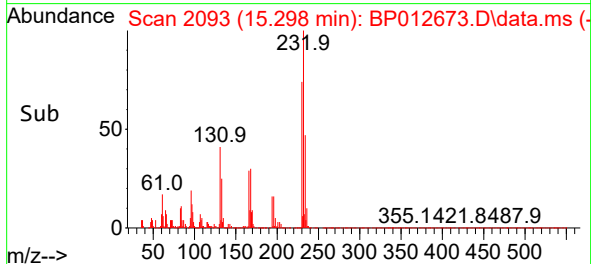
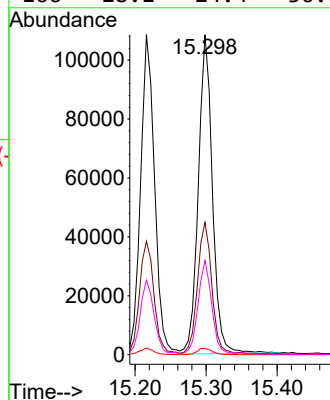
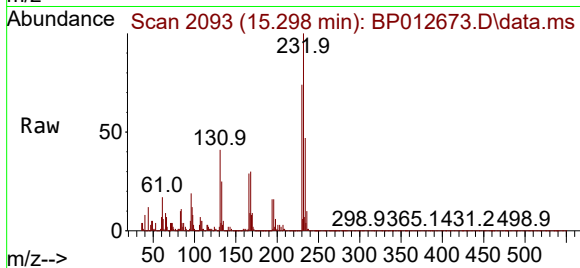




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.930 ng
RT: 15.298 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

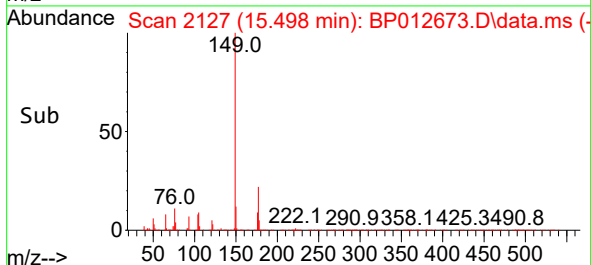
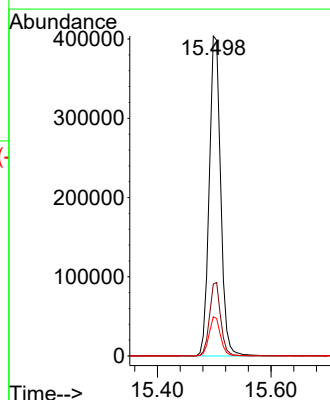
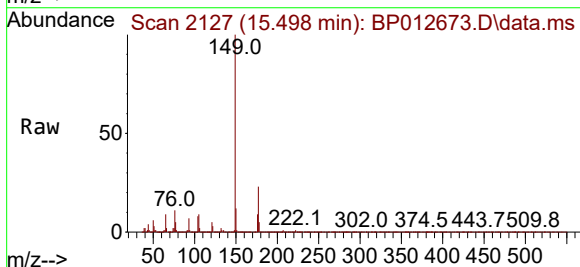
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

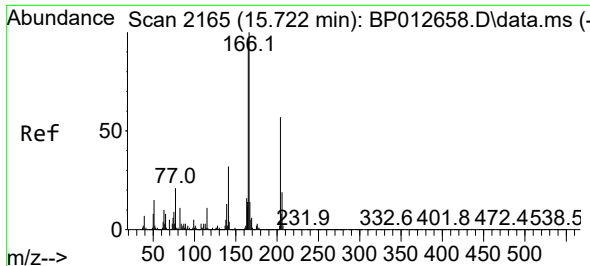
Tgt Ion:232 Resp: 150273
Ion Ratio Lower Upper
232 100
131 42.9 34.3 51.5
130 2.1 1.8 2.6
166 28.1 24.4 36.6



#60
Diethylphthalate
Concen: 10.909 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:149 Resp: 561884
Ion Ratio Lower Upper
149 100
177 22.5 18.2 27.4
150 12.2 9.8 14.6

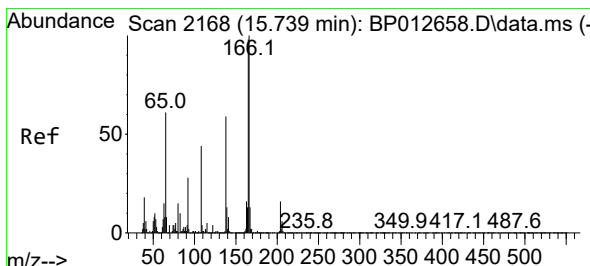
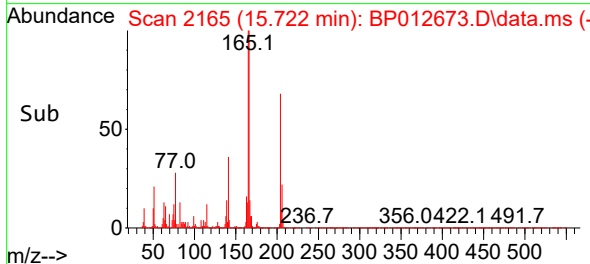
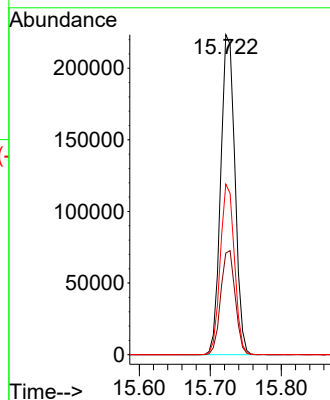
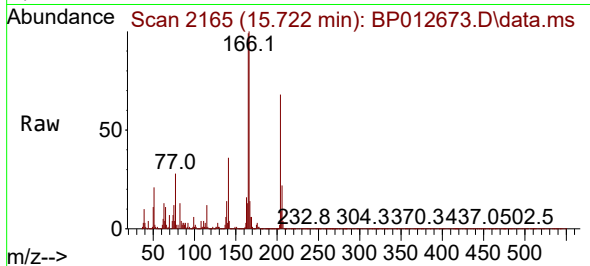




#61
4-Chlorophenyl-phenylether
Concen: 13.200 ng
RT: 15.722 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

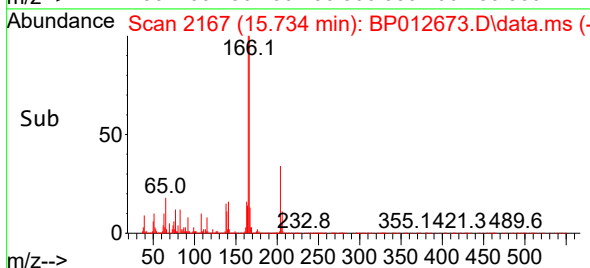
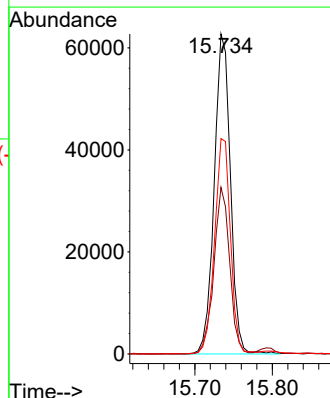
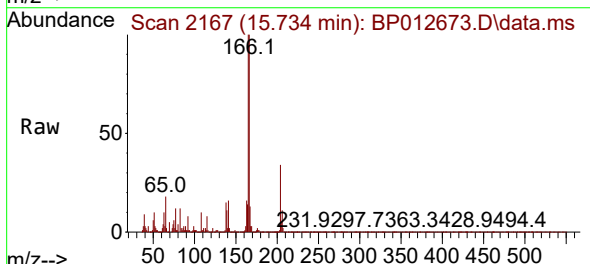
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

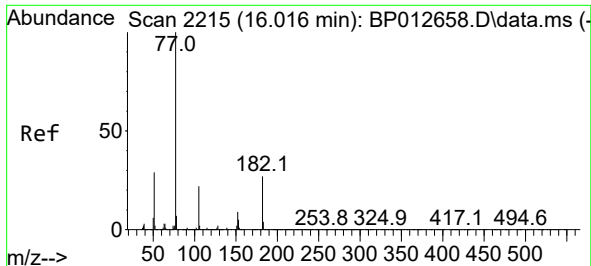
Tgt Ion:204 Resp: 309948
Ion Ratio Lower Upper
204 100
206 31.8 26.9 40.3
141 53.3 44.3 66.5



#62
4-Nitroaniline
Concen: 8.853 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:138 Resp: 91065
Ion Ratio Lower Upper
138 100
92 52.0 28.2 68.2
108 67.3 53.7 93.7

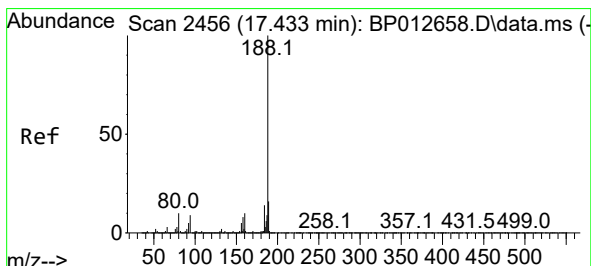
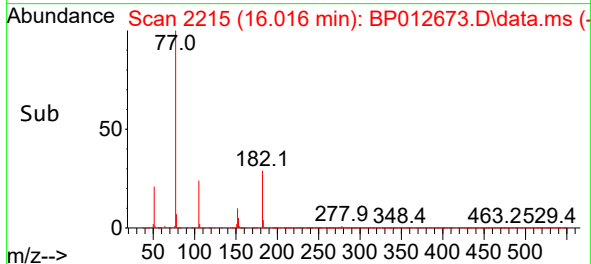
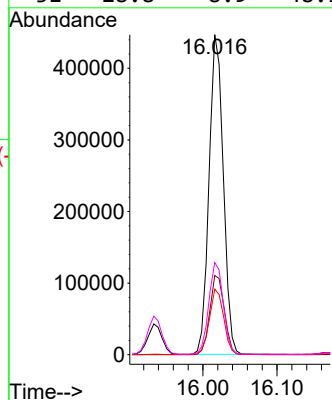
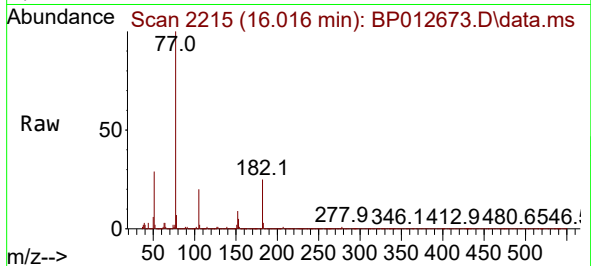




#63
Azobenzene
Concen: 12.677 ng
RT: 16.016 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

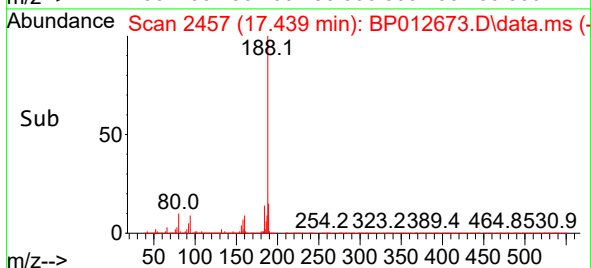
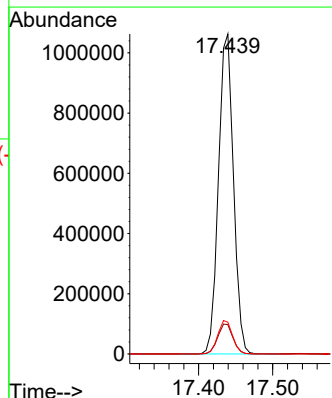
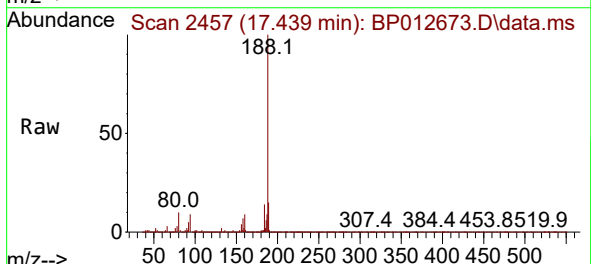
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

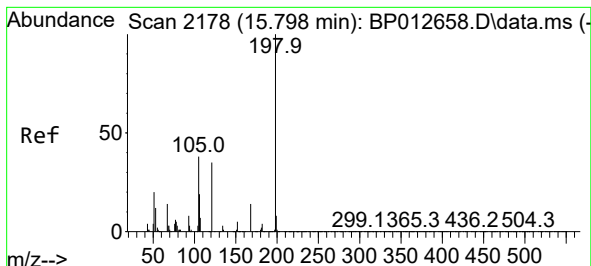
Tgt Ion: 77	Resp: 596546
Ion Ratio	Lower Upper
77 100	
182 24.7	7.1 47.1
105 20.5	1.9 41.9
51 28.8	8.9 48.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.439 min Scan# 2457
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:188	Resp: 1490817		
Ion Ratio	Lower	Upper	
188 100			
94 9.2	7.5	11.3	
80 9.9	8.2	12.2	

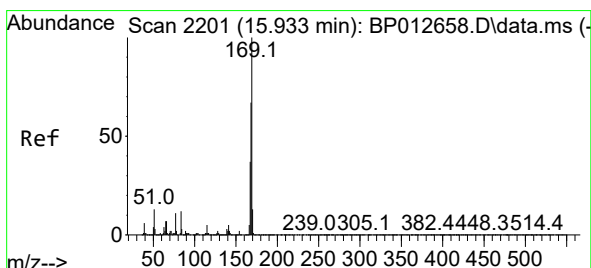
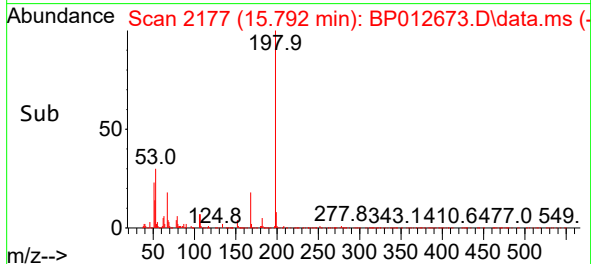
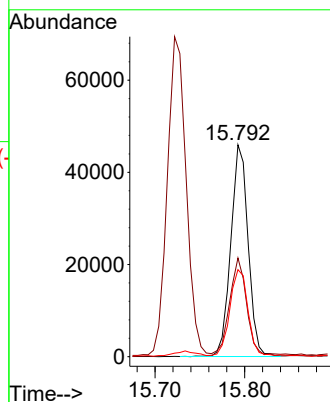
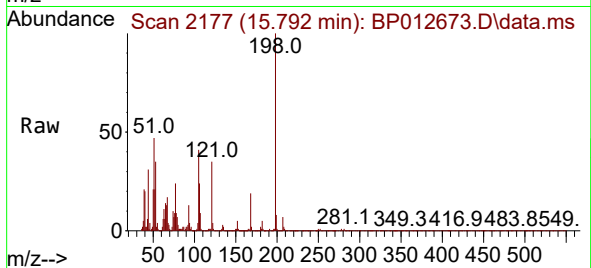




#65
4,6-Dinitro-2-methylphenol
Concen: 8.386 ng
RT: 15.792 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

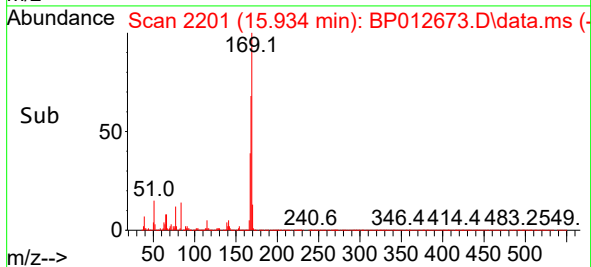
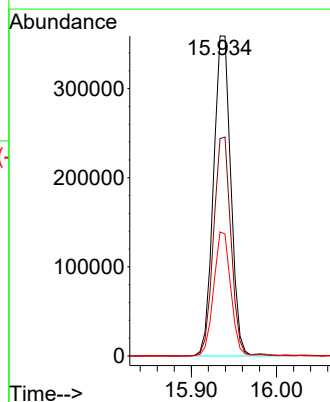
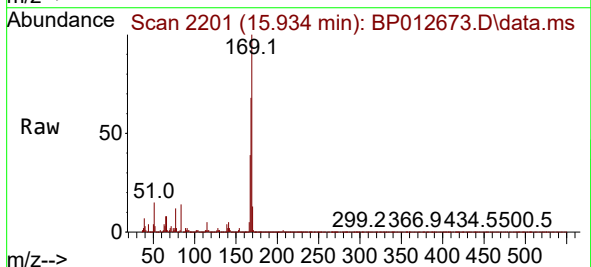
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

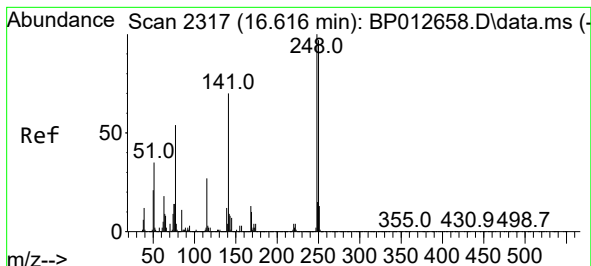
Tgt Ion:198 Resp: 61392
Ion Ratio Lower Upper
198 100
51 46.6 18.2 58.2
105 41.1 19.6 59.6



#66
n-Nitrosodiphenylamine
Concen: 11.416 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:169 Resp: 507210
Ion Ratio Lower Upper
169 100
168 68.0 53.5 80.3
167 38.7 29.3 43.9

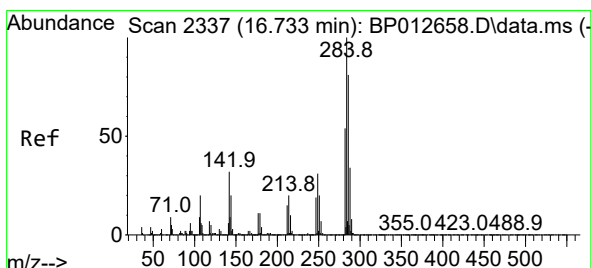
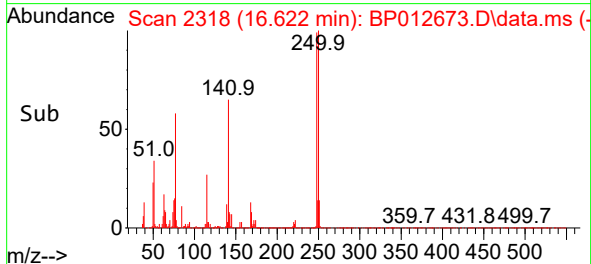
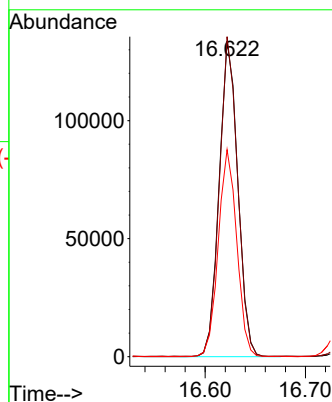
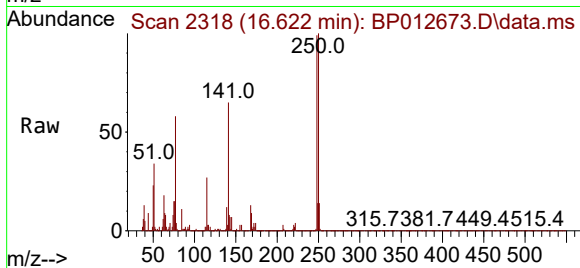




#67
4-Bromophenyl-phenylether
Concen: 11.092 ng
RT: 16.622 min Scan# 2318
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

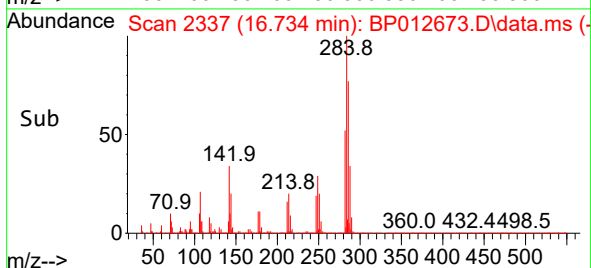
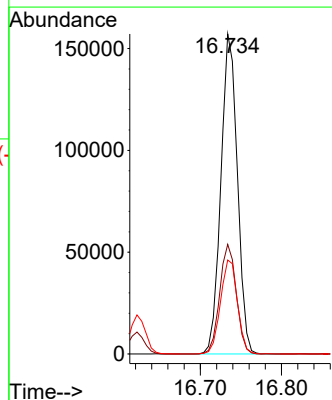
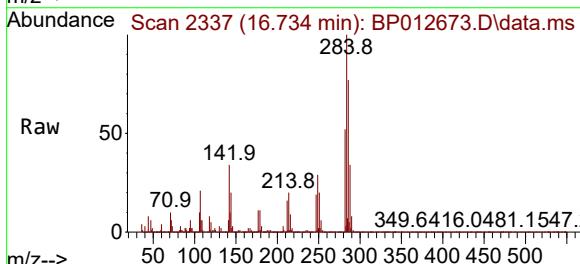
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

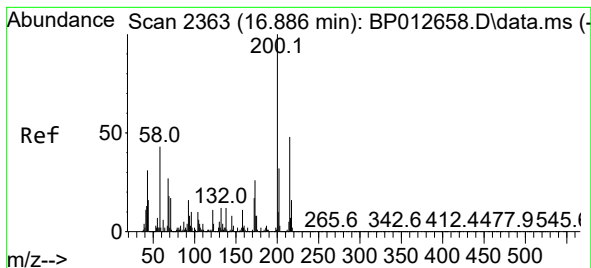
Tgt Ion:248 Resp: 172914
Ion Ratio Lower Upper
248 100
250 101.4 77.4 116.2
141 65.6 55.6 83.4



#68
Hexachlorobenzene
Concen: 12.276 ng
RT: 16.734 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:284 Resp: 221928
Ion Ratio Lower Upper
284 100
142 34.3 25.8 38.6
249 29.4 25.0 37.4





#69

Atrazine

Concen: 11.430 ng

RT: 16.892 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

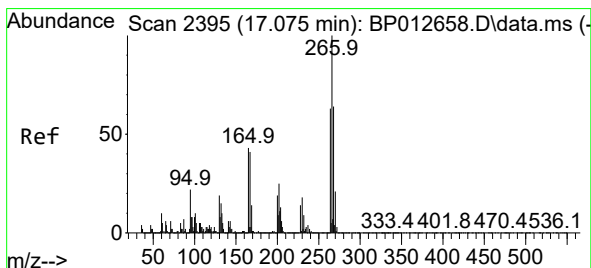
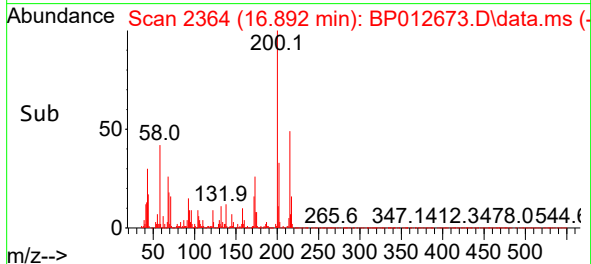
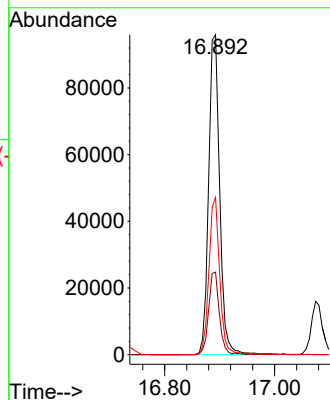
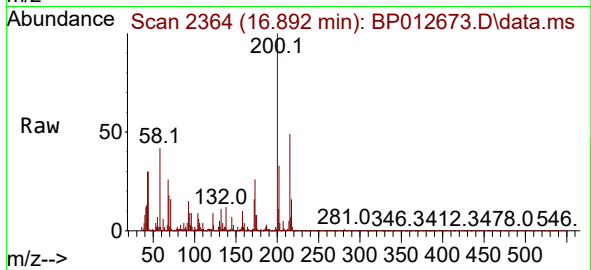
Tgt Ion:200 Resp: 133807

Ion Ratio Lower Upper

200 100

173 25.8 6.2 46.2

215 49.2 28.4 68.4



#70

Pentachlorophenol

Concen: 10.494 ng

RT: 17.075 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

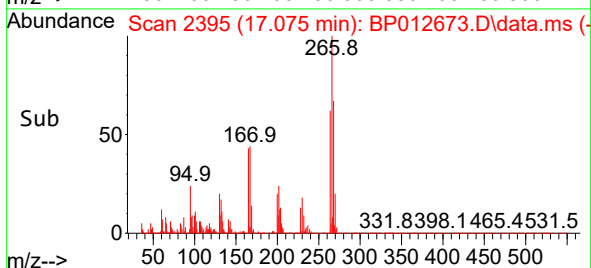
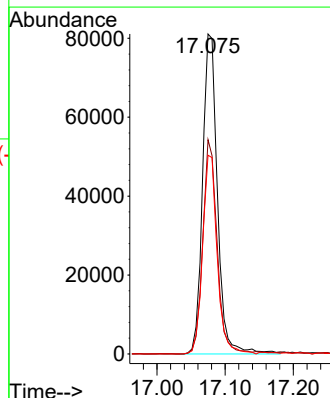
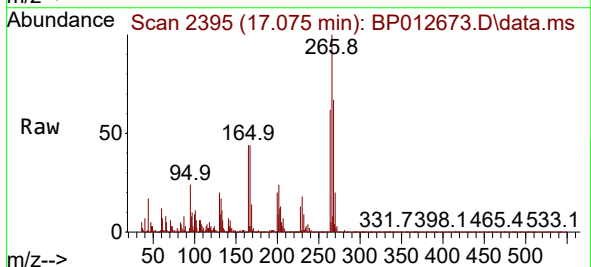
Tgt Ion:266 Resp: 123131

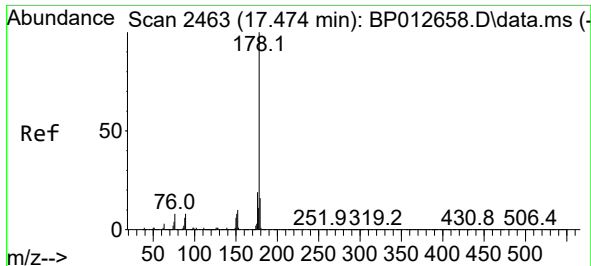
Ion Ratio Lower Upper

266 100

268 66.9 51.4 77.0

264 62.1 50.6 75.8

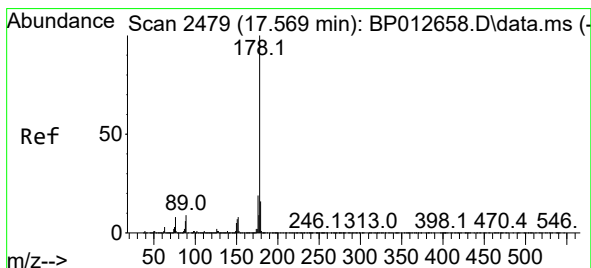
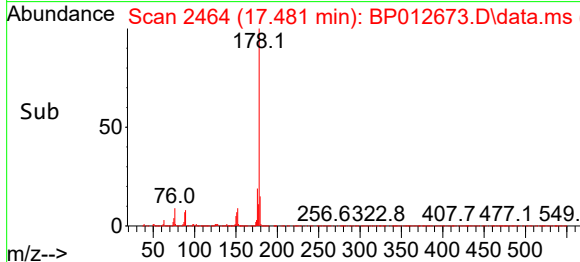
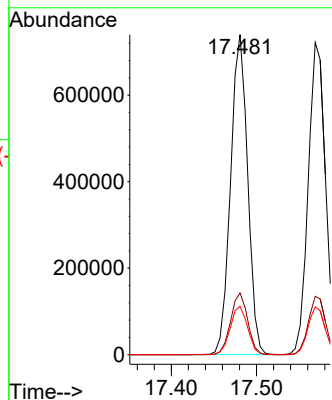
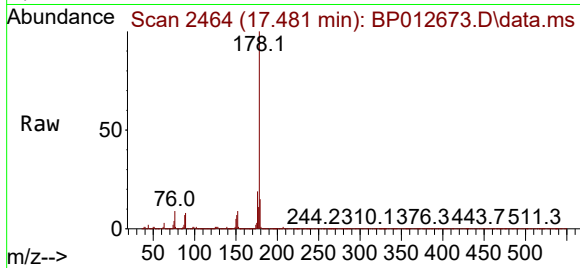




#71
Phenanthrene
Concen: 12.166 ng
RT: 17.481 min Scan# 2463
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

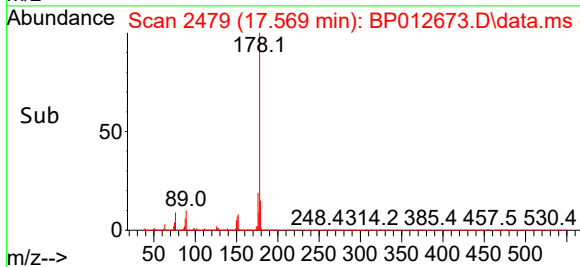
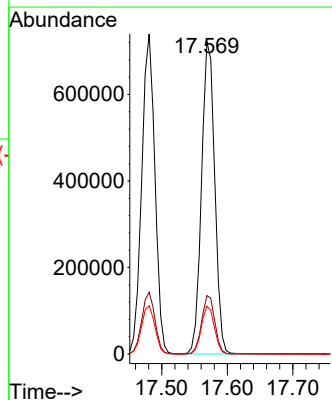
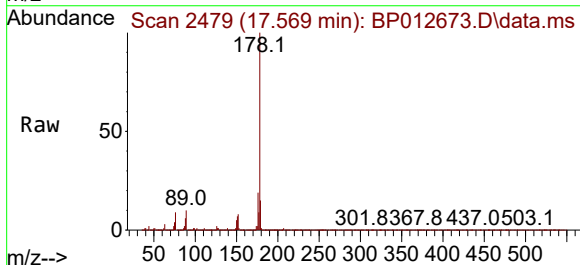
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

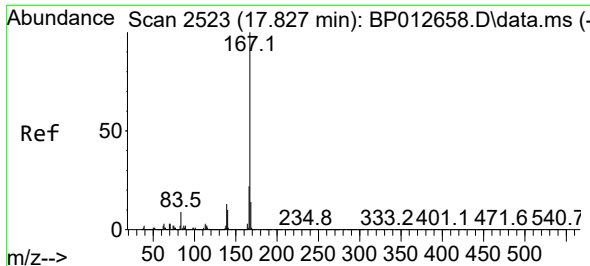
Tgt Ion:178 Resp: 1028820
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.1 12.5 18.7



#72
Anthracene
Concen: 12.410 ng
RT: 17.569 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:178 Resp: 1012509
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.8 19.2

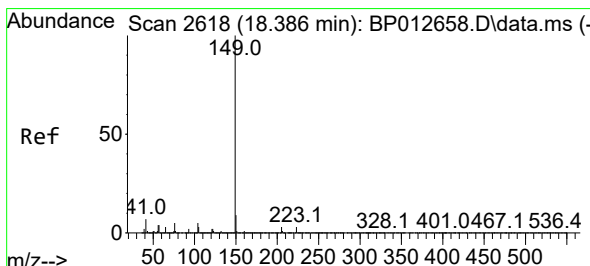
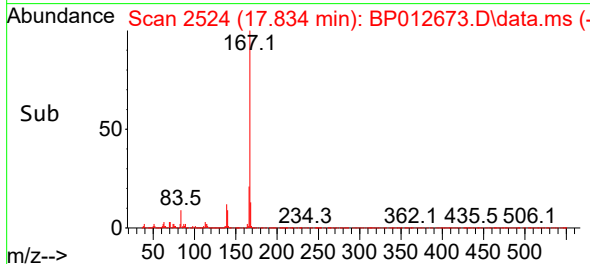
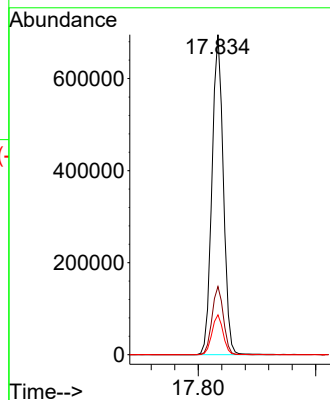
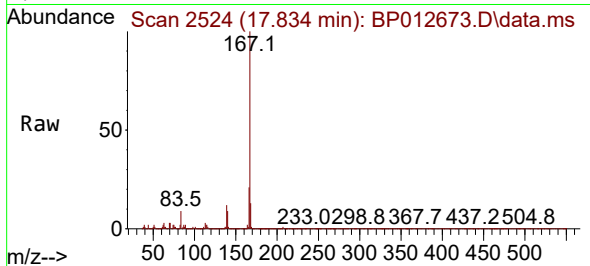




#73
Carbazole
Concen: 12.065 ng
RT: 17.834 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

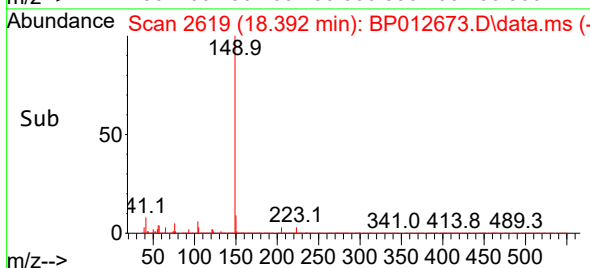
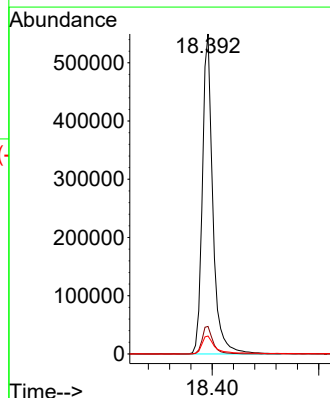
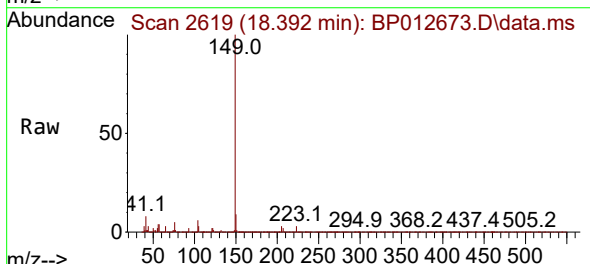
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

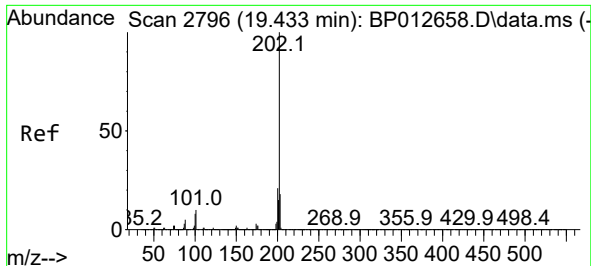
Tgt Ion:167 Resp: 934817
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.2
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 9.251 ng
RT: 18.392 min Scan# 2619
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:149 Resp: 747314
Ion Ratio Lower Upper
149 100
150 8.6 7.5 11.3
104 5.6 4.0 6.0

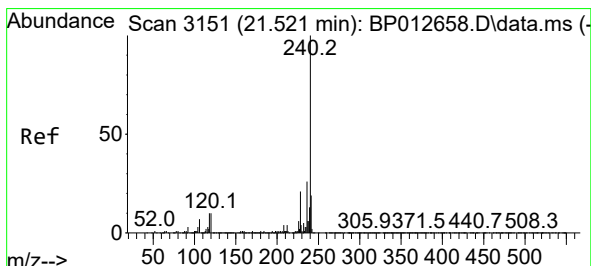
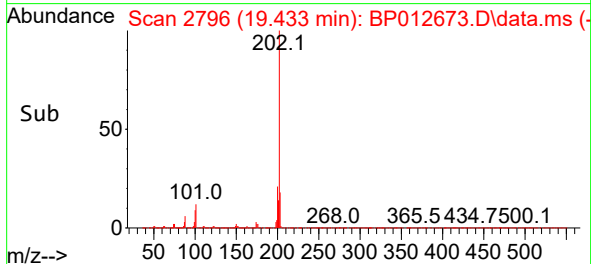
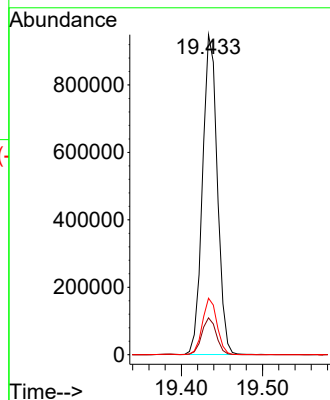
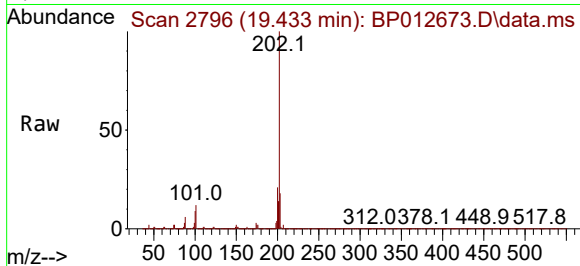




#75
Fluoranthene
Concen: 11.987 ng
RT: 19.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

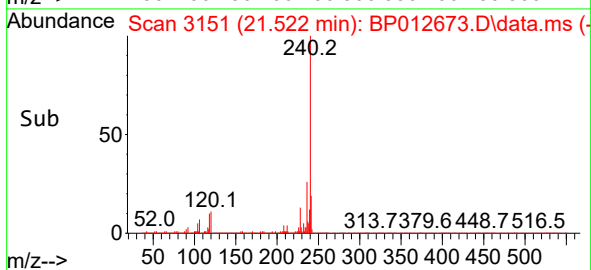
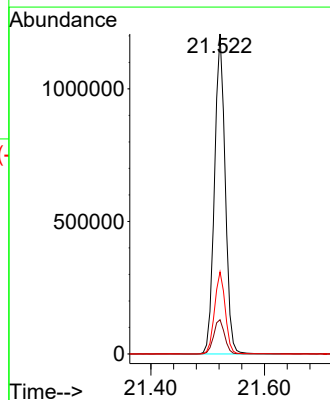
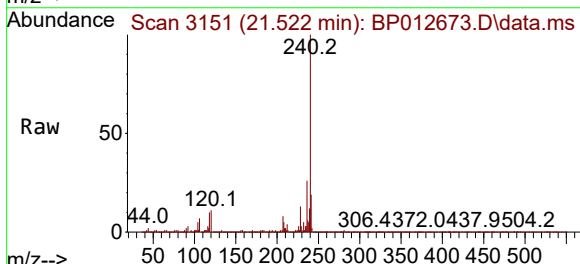
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

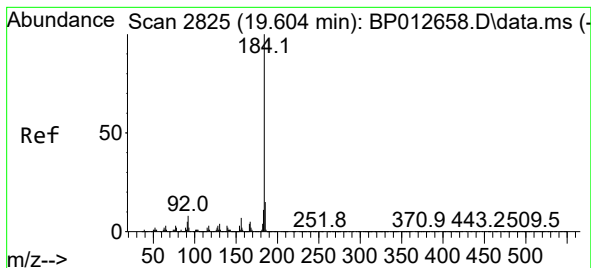
Tgt Ion:202 Resp: 1200881
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.4
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3151
Delta R.T. 0.001 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:240 Resp: 1572031
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 25.6 20.4 30.6





#77

Benzidine

Concen: 8.508 ng

RT: 19.610 min Scan# 2825

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

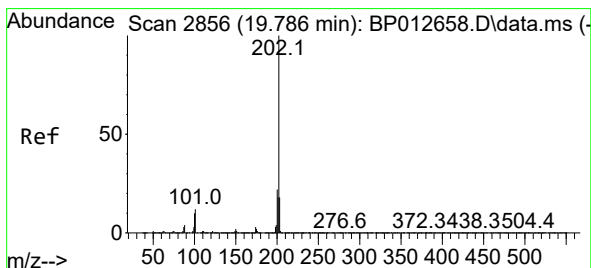
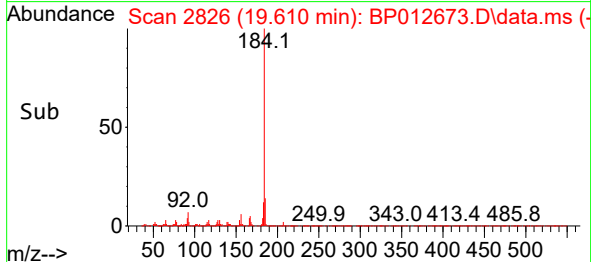
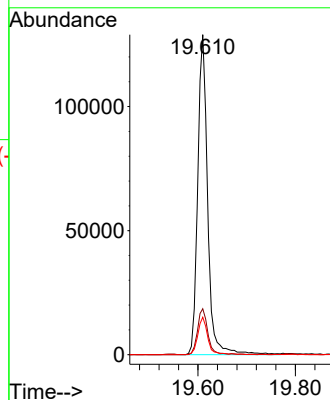
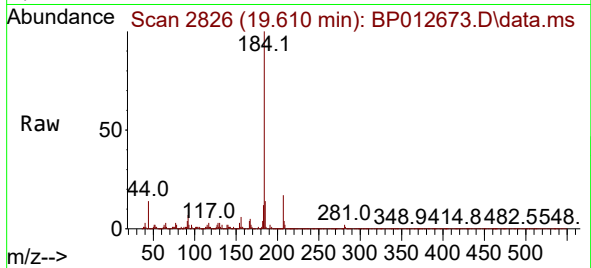
Tgt Ion:184 Resp: 183860

Ion Ratio Lower Upper

184 100

185 14.4 12.2 18.2

183 11.7 9.0 13.4



#78

Pyrene

Concen: 11.186 ng

RT: 19.786 min Scan# 2856

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

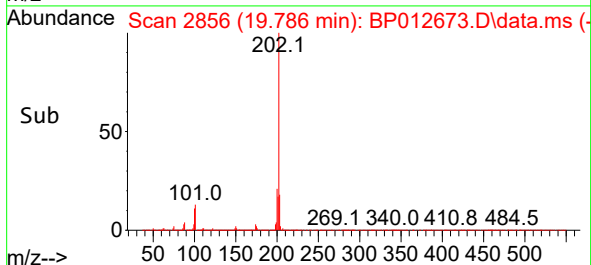
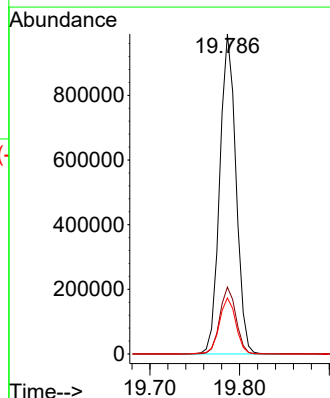
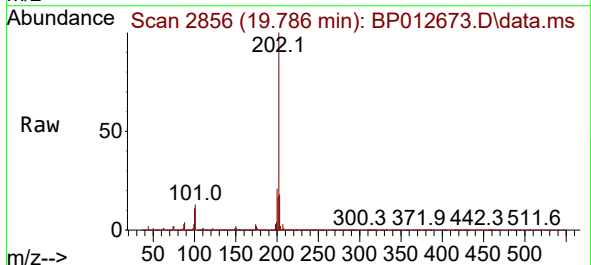
Tgt Ion:202 Resp: 1242756

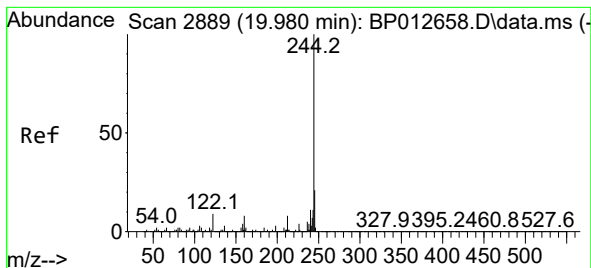
Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.0

203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 79.084 ng

RT: 19.986 min Scan# 2889

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

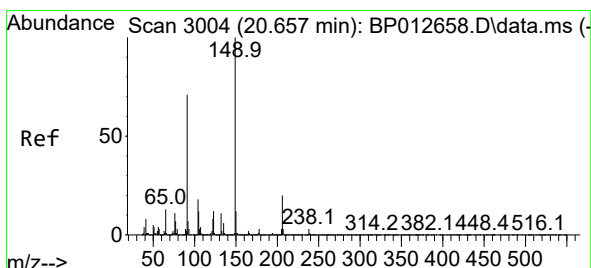
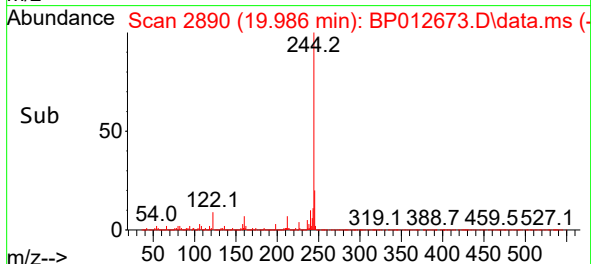
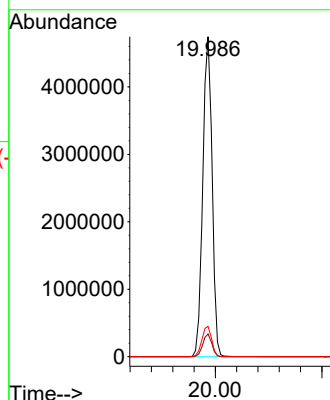
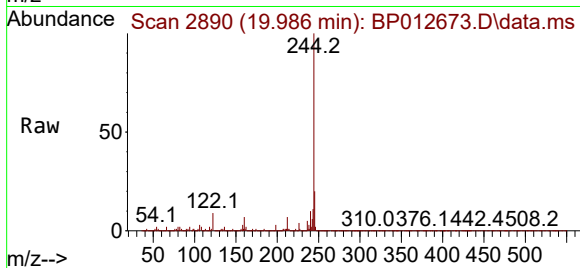
Tgt Ion:244 Resp: 5754021

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

122 9.4 7.5 11.3



#80

Butylbenzylphthalate

Concen: 6.041 ng

RT: 20.663 min Scan# 3005

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

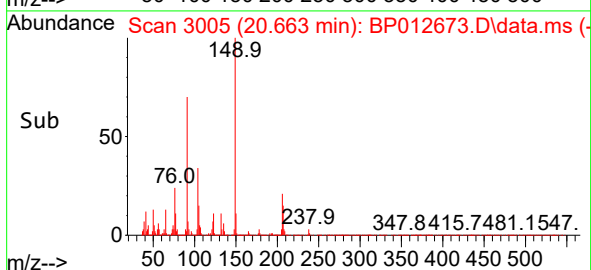
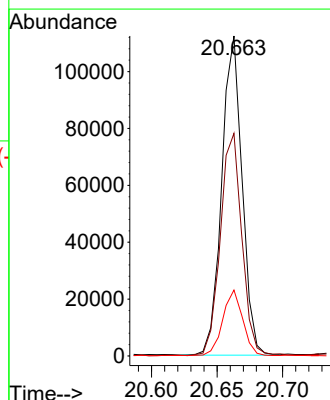
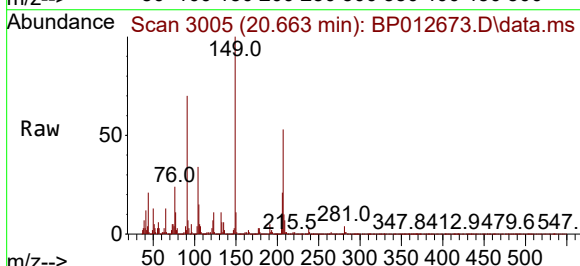
Tgt Ion:149 Resp: 121124

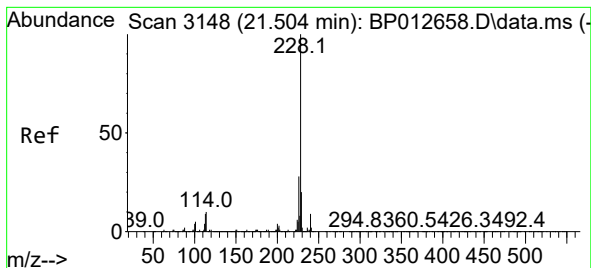
Ion Ratio Lower Upper

149 100

91 69.5 56.9 85.3

206 20.6 16.1 24.1





#81

Benzo(a)anthracene

Concen: 11.382 ng

RT: 21.504 min Scan# 3148

Delta R.T. -0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

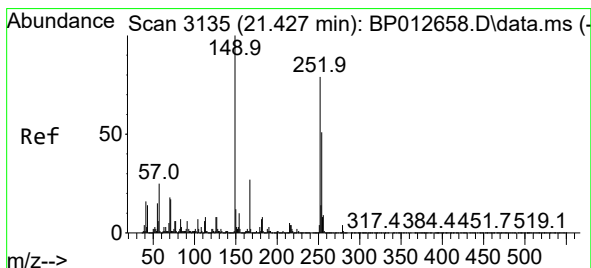
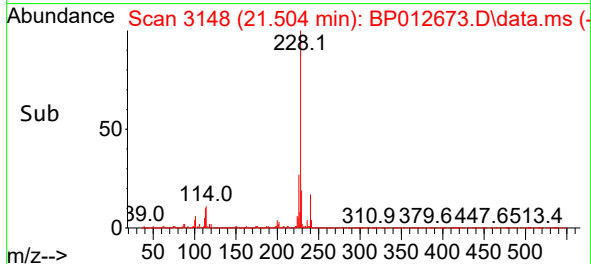
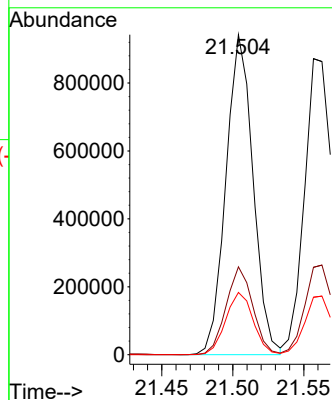
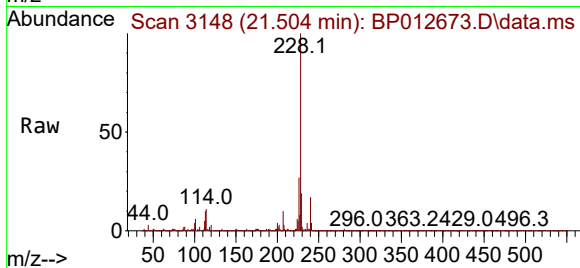
Tgt Ion:228 Resp: 1254364

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.2

229 19.5 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 7.277 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

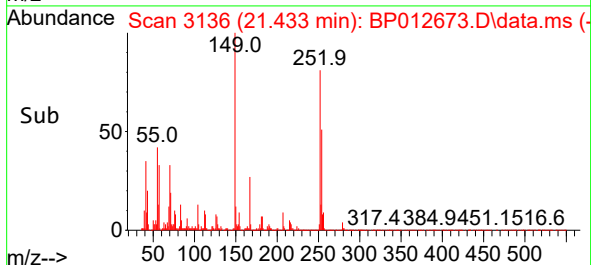
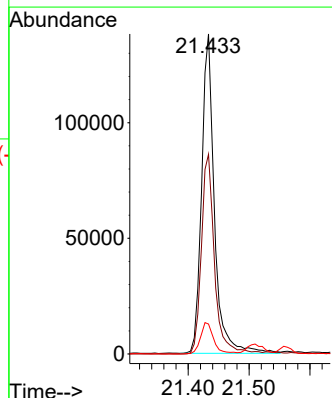
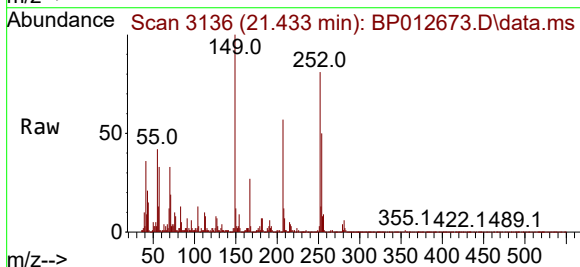
Tgt Ion:252 Resp: 201854

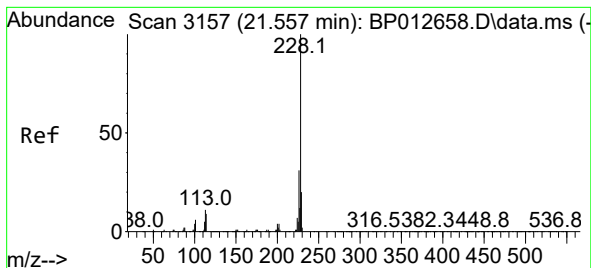
Ion Ratio Lower Upper

252 100

254 62.4 51.9 77.9

126 9.4 8.2 12.4





#83

Chrysene

Concen: 11.627 ng

RT: 21.557 min Scan# 3157

Delta R.T. -0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

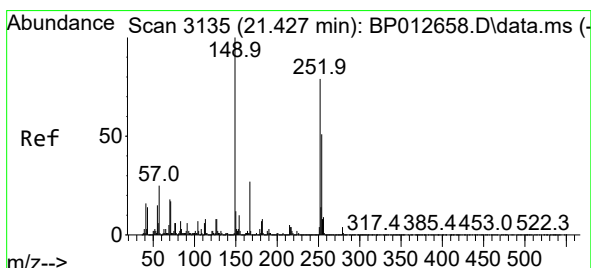
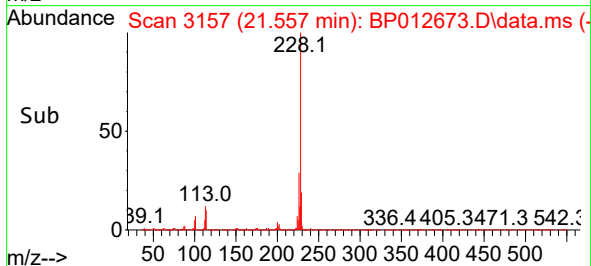
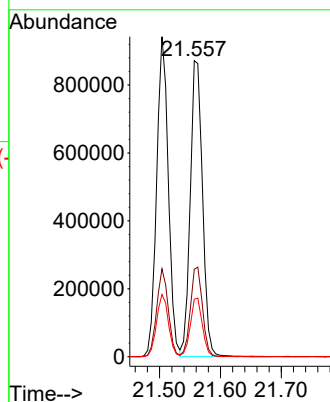
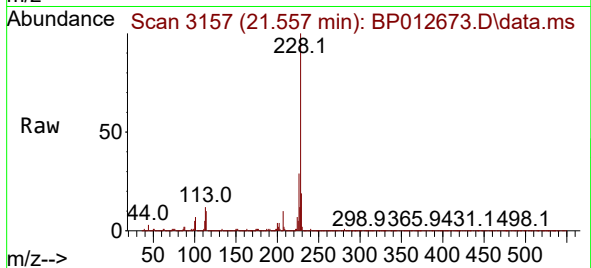
Tgt Ion:228 Resp: 1215103

Ion Ratio Lower Upper

228 100

226 29.5 24.6 36.8

229 19.4 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.841 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

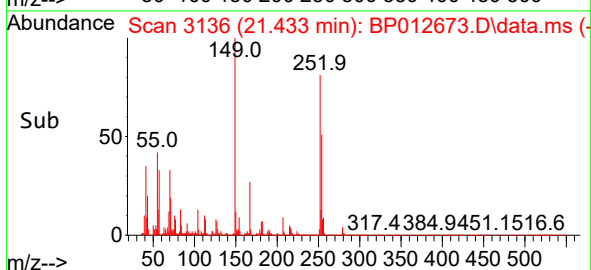
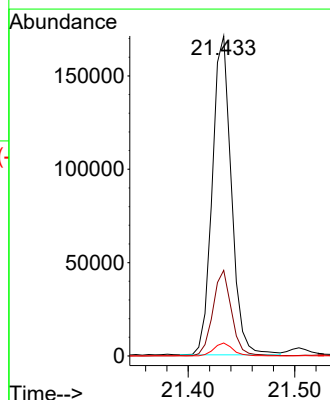
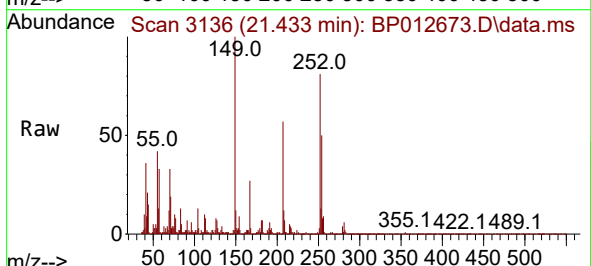
Tgt Ion:149 Resp: 212247

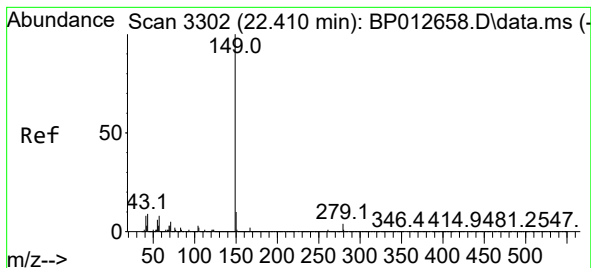
Ion Ratio Lower Upper

149 100

167 26.8 21.7 32.5

279 4.0 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 4.868 ng

RT: 22.410 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

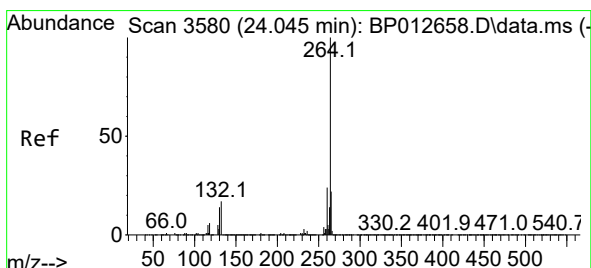
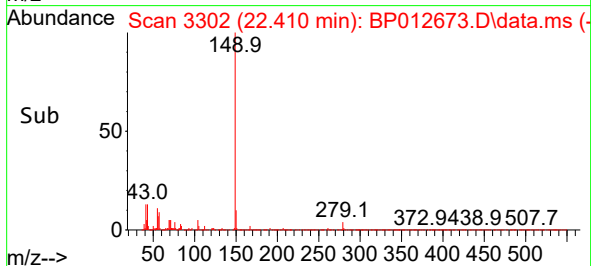
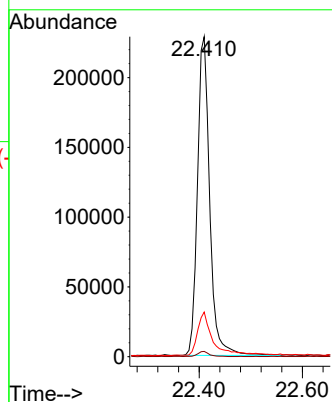
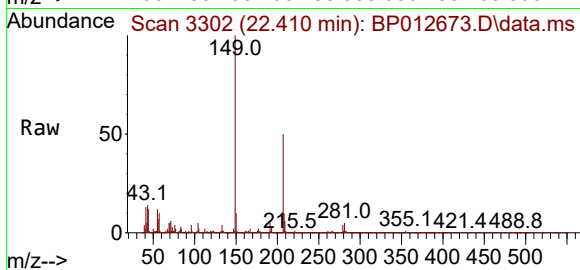
Tgt Ion:149 Resp: 374228

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 17.0 8.9 13.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.051 min Scan# 3581

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

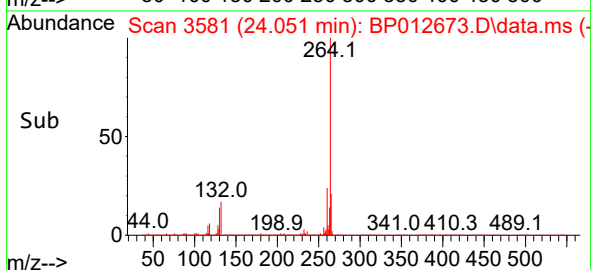
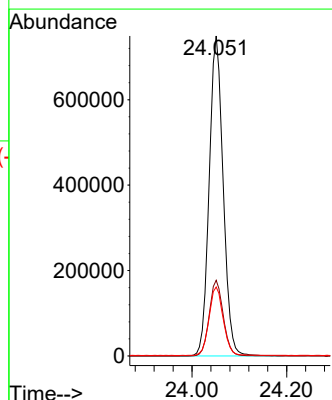
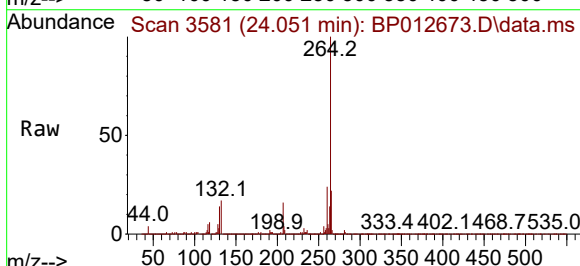
Tgt Ion:264 Resp: 1535673

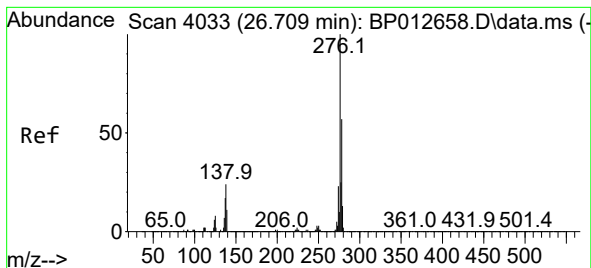
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.152 ng

RT: 26.715 min Scan# 4033

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

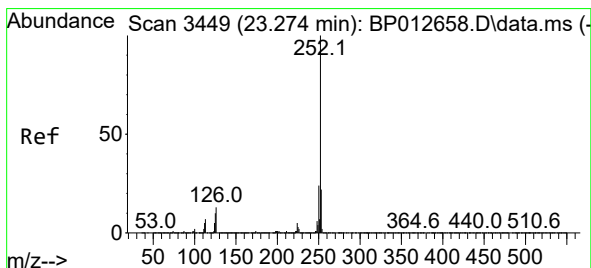
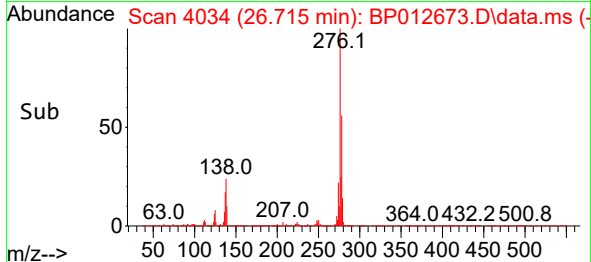
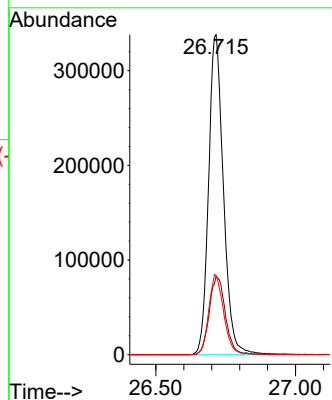
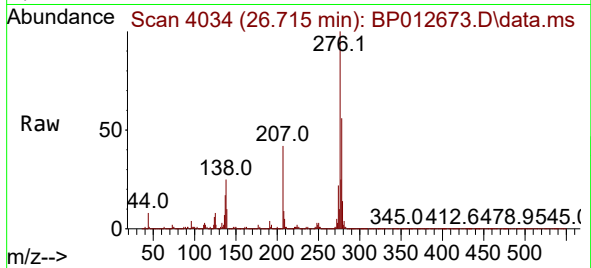
Tgt Ion:276 Resp: 1246793

Ion Ratio Lower Upper

276 100

138 26.4 20.8 31.2

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 12.134 ng

RT: 23.274 min Scan# 3449

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

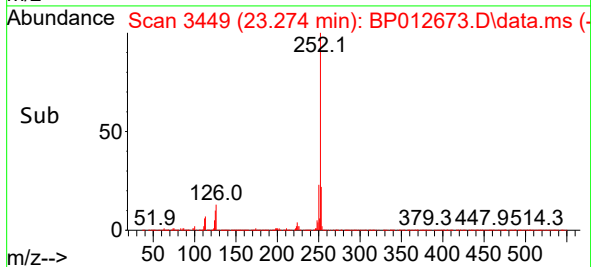
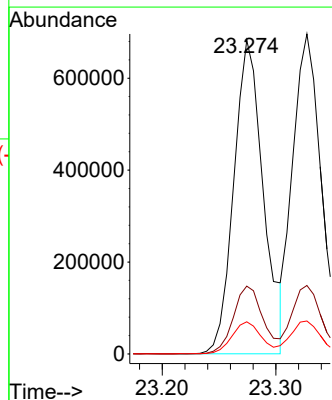
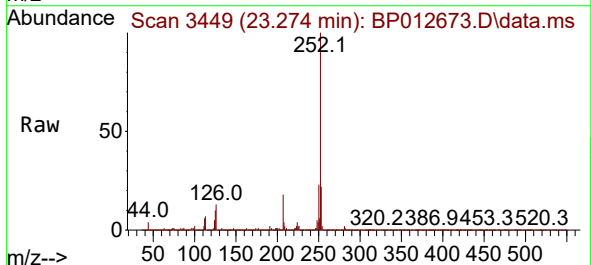
Tgt Ion:252 Resp: 1233665

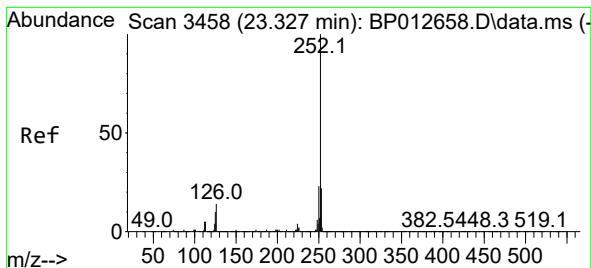
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 12.156 ng

RT: 23.327 min Scan# 3458

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

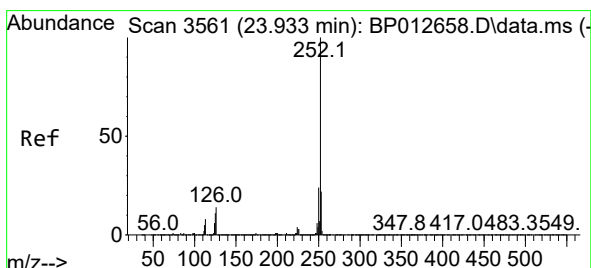
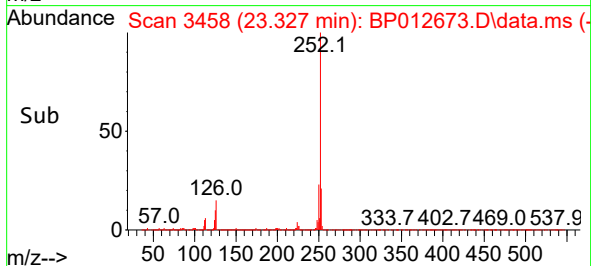
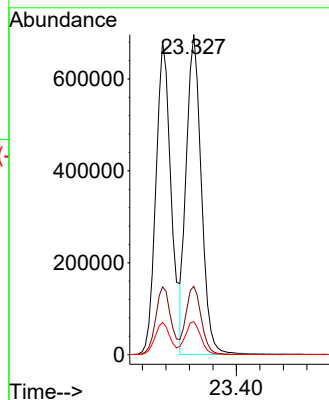
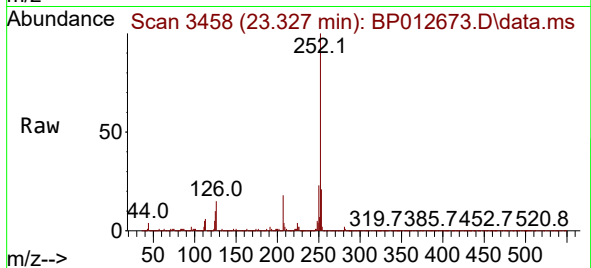
Tgt Ion:252 Resp: 1227955

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.3 7.9 11.9



#90

Benzo(a)pyrene

Concen: 11.965 ng

RT: 23.939 min Scan# 3562

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

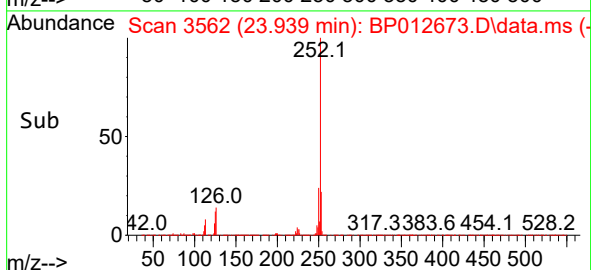
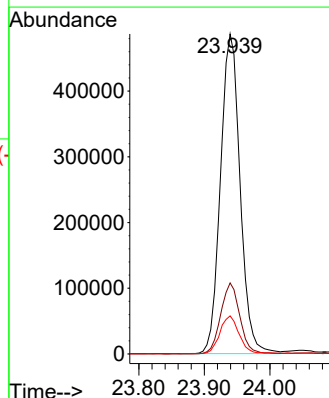
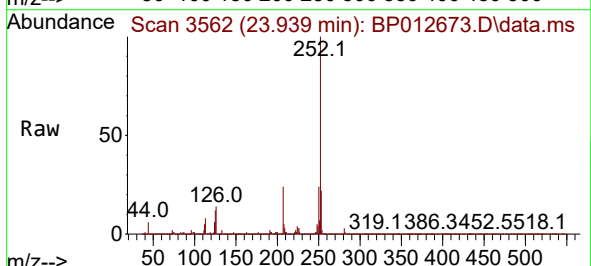
Tgt Ion:252 Resp: 1009485

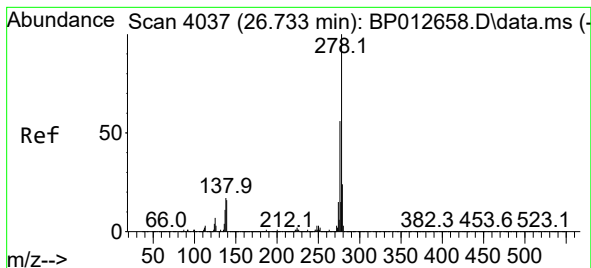
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 12.006 ng

RT: 26.739 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

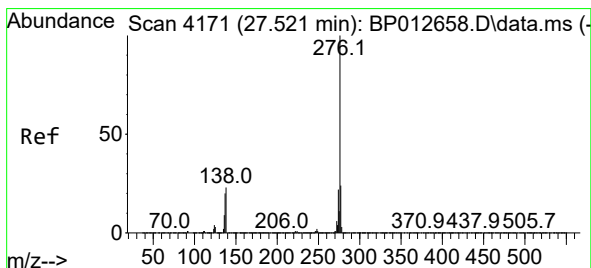
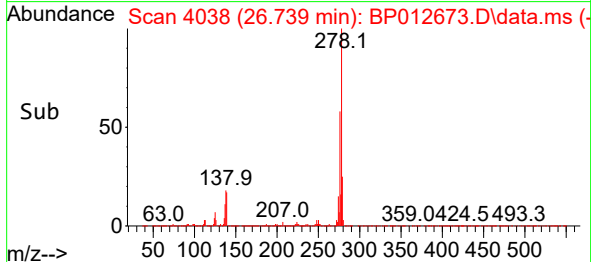
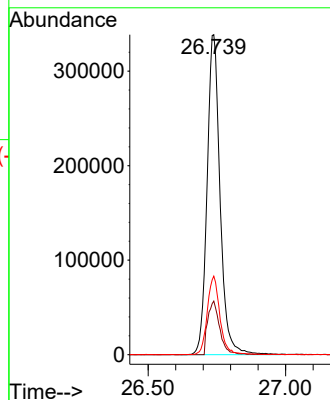
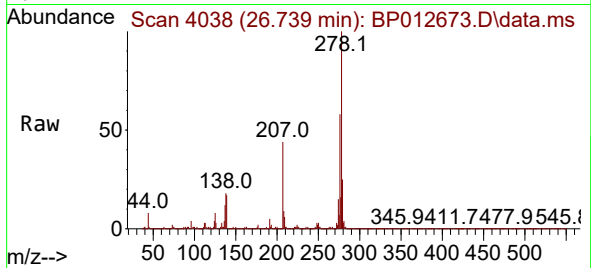
Tgt Ion:278 Resp: 1109938

Ion Ratio Lower Upper

278 100

139 16.8 13.0 19.4

279 24.5 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 11.635 ng

RT: 27.527 min Scan# 4172

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Tgt Ion:276 Resp: 1044762

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 23.2 18.1 27.1

