

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012672.D
 Acq On : 18 Nov 2022 14:39
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 21 03:40:14 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	250539	20.000	ng	0.00
21) Naphthalene-d8	10.869	136	1075610	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	714619	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	1591854	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1664711	20.000	ng	0.00
86) Perylene-d12	24.057	264	1609162	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1408633	101.611	ng	0.00
7) Phenol-d6	7.187	99	1966618	101.860	ng	0.00
23) Nitrobenzene-d5	9.210	82	1525823	89.192	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	908431	111.081	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	4063283	85.554	ng	0.00
79) Terphenyl-d14	19.986	244	6664260	86.495	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	54393	9.770	ng	99
3) Pyridine	3.858	79	146493	8.335	ng	97
4) n-Nitrosodimethylamine	3.769	42	70701	9.420	ng	# 86
6) Aniline	7.363	93	237725	9.774	ng	99
8) 2-Chlorophenol	7.605	128	169425	9.897	ng	100
9) Benzaldehyde	7.175	77	155441	13.805	ng	99
10) Phenol	7.216	94	208875	9.603	ng	99
11) bis(2-Chloroethyl)ether	7.463	93	178545	10.305	ng	98
12) 1,3-Dichlorobenzene	7.934	146	197287	10.385	ng	99
13) 1,4-Dichlorobenzene	8.081	146	206143	10.642	ng	99
14) 1,2-Dichlorobenzene	8.405	146	199800	10.748	ng	99
15) Benzyl Alcohol	8.281	79	123094	8.557	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.587	45	261821	10.710	ng	99
17) 2-Methylphenol	8.481	107	140715	9.329	ng	99
18) Hexachloroethane	9.140	117	70782	10.935	ng	98
19) n-Nitroso-di-n-propyla...	8.852	70	119362	9.096	ng	96
20) 3+4-Methylphenols	8.805	107	183381	8.679	ng	99
22) Acetophenone	8.869	105	291546	10.859	ng	# 99
24) Nitrobenzene	9.257	77	201281	10.896	ng	98
25) Isophorone	9.781	82	392320	10.195	ng	99
26) 2-Nitrophenol	9.969	139	62753	7.834	ng	96
27) 2,4-Dimethylphenol	10.022	122	151993	10.054	ng	99
28) bis(2-Chloroethoxy)met...	10.269	93	244743	11.182	ng	99
29) 2,4-Dichlorophenol	10.504	162	160925	9.159	ng	100
30) 1,2,4-Trichlorobenzene	10.728	180	192930	10.230	ng	98
31) Naphthalene	10.916	128	606877	10.263	ng	99
32) Benzoic acid	10.081	122	42897	3.624	ng	98
33) 4-Chloroaniline	11.022	127	227022	9.215	ng	98
34) Hexachlorobutadiene	11.204	225	119431	10.718	ng	99
35) Caprolactam	11.769	113	43723	7.642	ng	93
36) 4-Chloro-3-methylphenol	12.128	107	167871	8.901	ng	99
37) 2-Methylnaphthalene	12.516	142	431264	10.199	ng	99
38) 1-Methylnaphthalene	12.734	142	414810	9.983	ng	98
40) 1,2,4,5-Tetrachloroben...	12.881	216	230085	11.039	ng	100
41) Hexachlorocyclopentadiene	12.863	237	97607	12.313	ng	95
43) 2,4,6-Trichlorophenol	13.110	196	135996	9.165	ng	99

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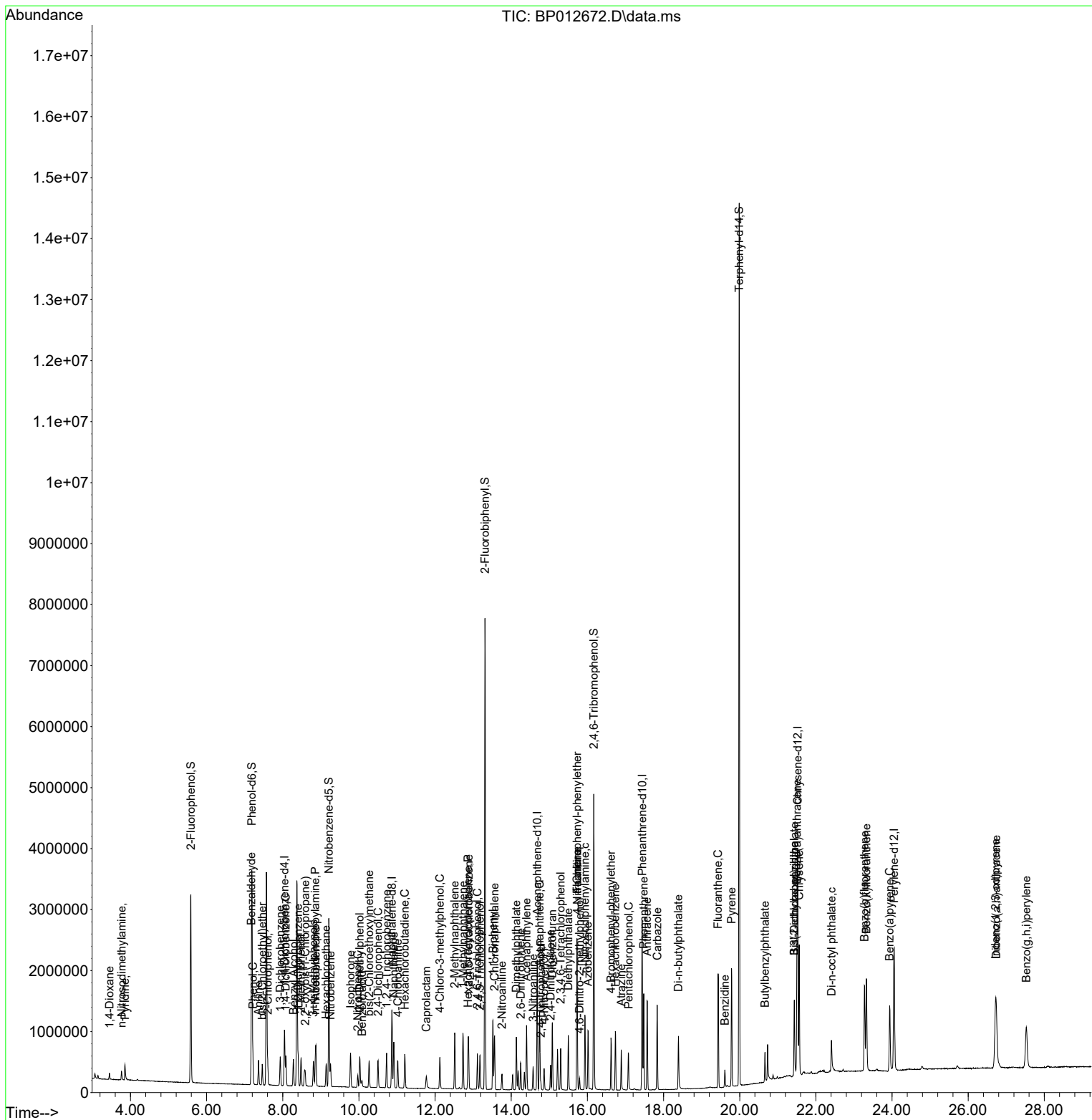
Instrument :
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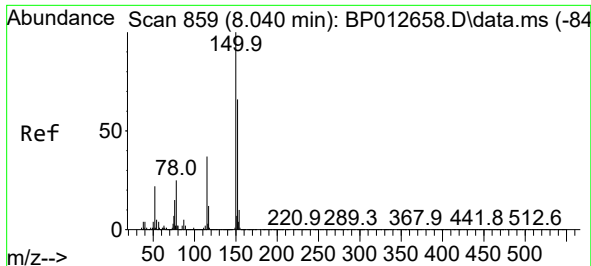
Quant Time: Nov 21 03:40:14 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.181	196	147388	8.977	ng	98
46) 1,1'-Biphenyl	13.522	154	588307	11.009	ng	99
47) 2-Chloronaphthalene	13.563	162	449265	10.588	ng	99
48) 2-Nitroaniline	13.757	65	60095	7.077	ng	94
49) Acenaphthylene	14.404	152	711259	10.270	ng	100
50) Dimethylphthalate	14.134	163	544689	9.677	ng	100
51) 2,6-Dinitrotoluene	14.251	165	86973	8.811	ng	95
52) Acenaphthene	14.745	154	441315	9.985	ng	96
53) 3-Nitroaniline	14.575	138	84994	7.519	ng	95
54) 2,4-Dinitrophenol	14.781	184	29459	5.375	ng	94
55) Dibenzofuran	15.081	168	708428	10.618	ng	97
56) 4-Nitrophenol	14.863	139	79627	7.525	ng	92
57) 2,4-Dinitrotoluene	15.034	165	104755	7.979	ng	93
58) Fluorene	15.728	166	574265	10.935	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.298	232	133961	9.064	ng	99
60) Diethylphthalate	15.498	149	511676	9.241	ng	99
61) 4-Chlorophenyl-phenyle...	15.728	204	280433	11.110	ng	96
62) 4-Nitroaniline	15.734	138	79360	7.177	ng	94
63) Azobenzene	16.016	77	534193	10.560	ng	97
65) 4,6-Dinitro-2-methylph...	15.792	198	41376	5.293	ng	88
66) n-Nitrosodiphenylamine	15.939	169	458161	9.658	ng	99
67) 4-Bromophenyl-phenylether	16.622	248	157808	9.481	ng	98
68) Hexachlorobenzene	16.733	284	201875	10.458	ng	97
69) Atrazine	16.892	200	117992	9.439	ng	98
70) Pentachlorophenol	17.081	266	108177	8.634	ng	97
71) Phenanthrene	17.481	178	929033	10.289	ng	99
72) Anthracene	17.569	178	908167	10.425	ng	99
73) Carbazole	17.833	167	829189	10.022	ng	100
74) Di-n-butylphthalate	18.392	149	667268	7.736	ng	98
75) Fluoranthene	19.433	202	1077814	10.076	ng	98
77) Benzidine	19.610	184	168503	7.363	ng	98
78) Pyrene	19.786	202	1112397	9.456	ng	99
80) Butylbenzylphthalate	20.663	149	108368	5.104	ng	99
81) Benzo(a)anthracene	21.504	228	1116279	9.565	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	175408	5.971	ng	99
83) Chrysene	21.563	228	1077927	9.740	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	190580	4.953	ng	99
85) Di-n-octyl phthalate	22.410	149	339565	4.171	ng	# 84
87) Indeno(1,2,3-cd)pyrene	26.715	276	1059835	9.047	ng	99
88) Benzo(b)fluoranthene	23.280	252	1064091	9.988	ng	99
89) Benzo(k)fluoranthene	23.327	252	1093319	10.329	ng	99
90) Benzo(a)pyrene	23.939	252	874954	9.897	ng	99
91) Dibenzo(a,h)anthracene	26.739	278	949632	9.803	ng	99
92) Benzo(g,h,i)perylene	27.527	276	897642	9.540	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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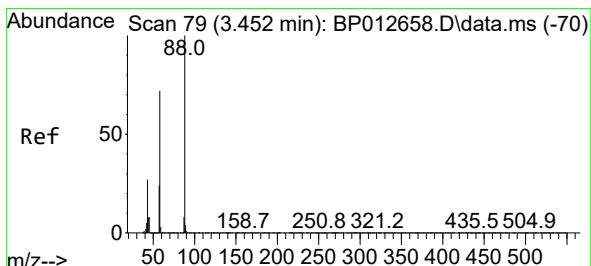
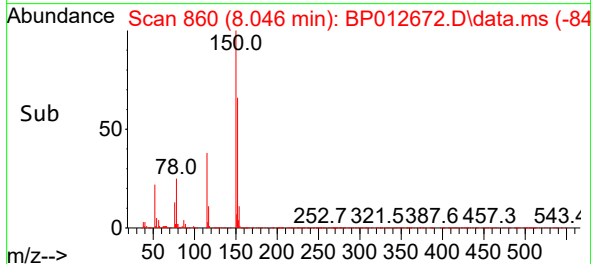
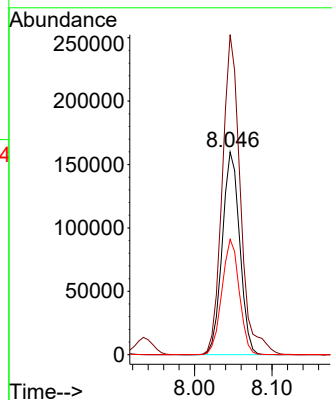
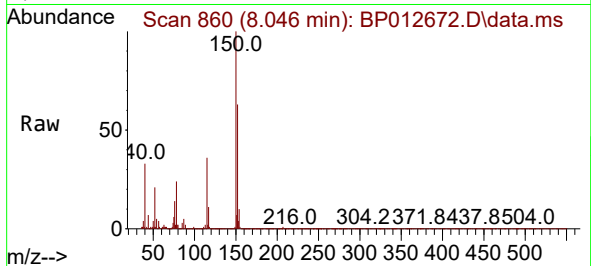




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.046 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

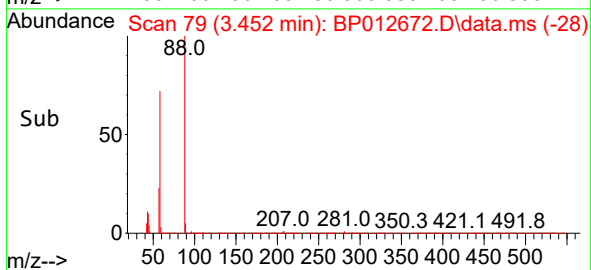
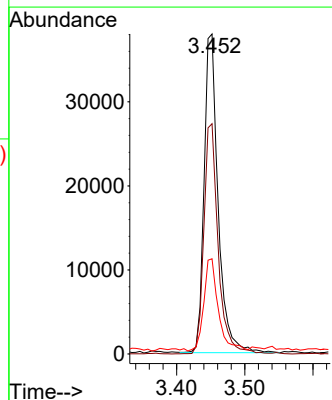
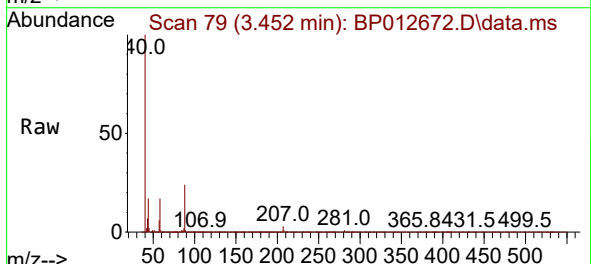
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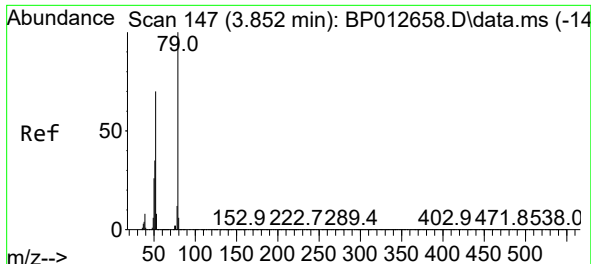
Tgt Ion:152 Resp: 250539
Ion Ratio Lower Upper
152 100
150 157.8 121.8 182.8
115 56.9 45.4 68.2



#2
1,4-Dioxane
Concen: 9.770 ng
RT: 3.452 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion: 88 Resp: 54393
Ion Ratio Lower Upper
88 100
58 73.5 59.3 88.9
43 29.8 23.0 34.4

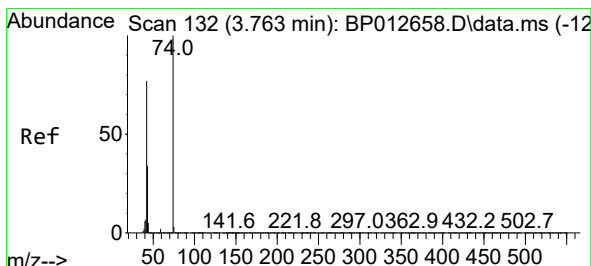
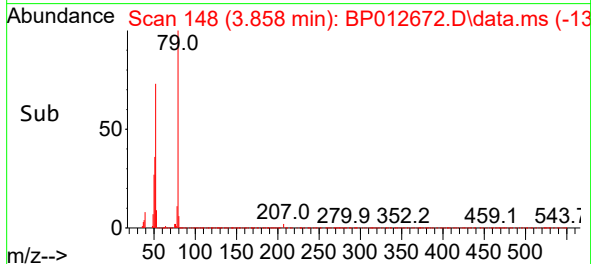
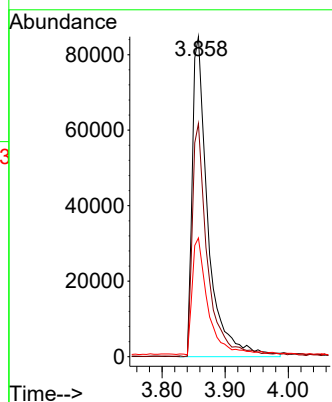
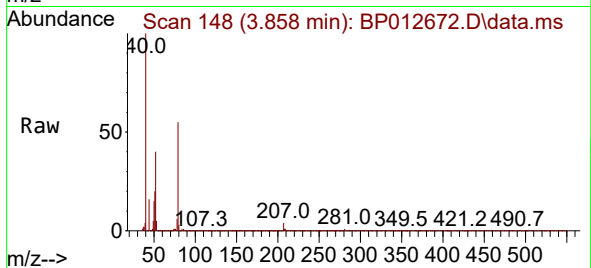




#3
 Pyridine
 Concen: 8.335 ng
 RT: 3.858 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: BP012672.D
 Acq: 18 Nov 2022 14:39

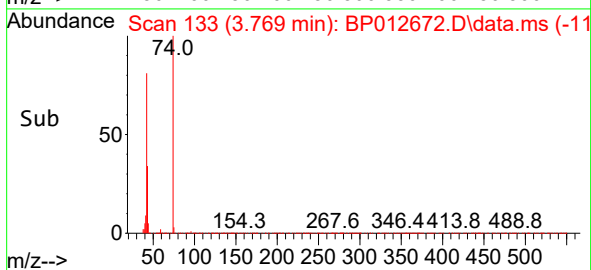
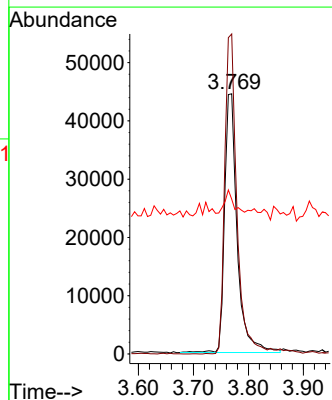
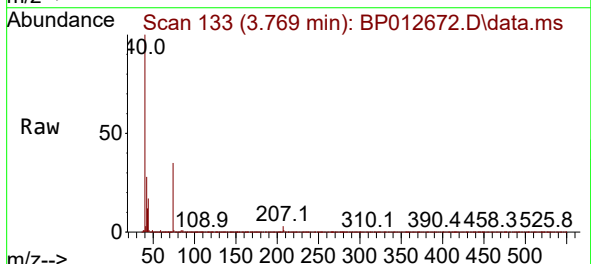
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

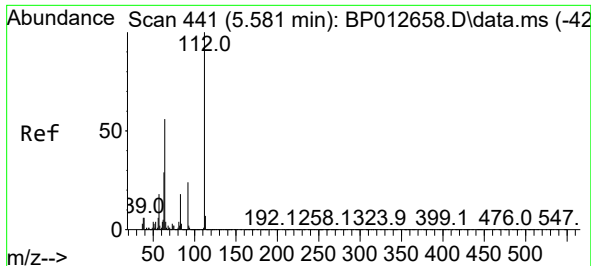
Tgt Ion: 79 Resp: 146493
 Ion Ratio Lower Upper
 79 100
 52 72.9 56.1 84.1
 51 37.1 28.1 42.1



#4
 n-Nitrosodimethylamine
 Concen: 9.420 ng
 RT: 3.769 min Scan# 133
 Delta R.T. 0.006 min
 Lab File: BP012672.D
 Acq: 18 Nov 2022 14:39

Tgt Ion: 42 Resp: 70701
 Ion Ratio Lower Upper
 42 100
 74 123.0 103.5 155.3
 44 59.5 6.4 9.6

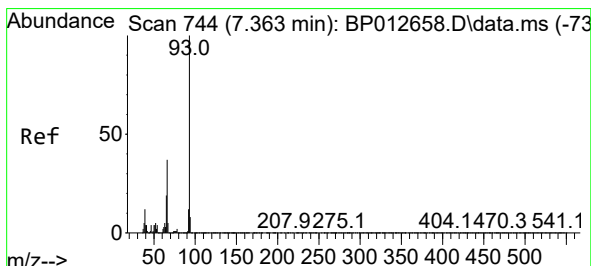
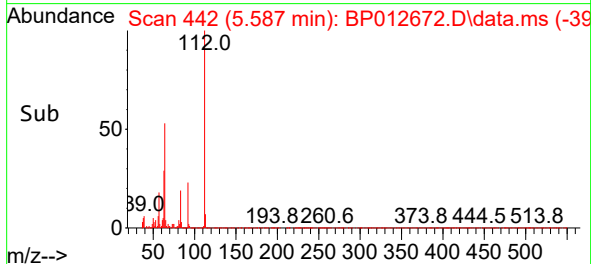
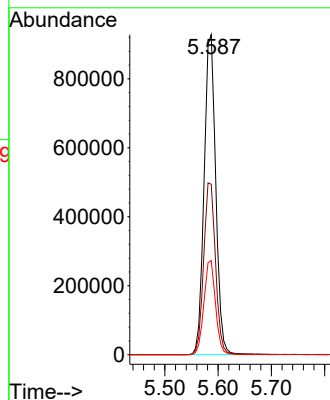
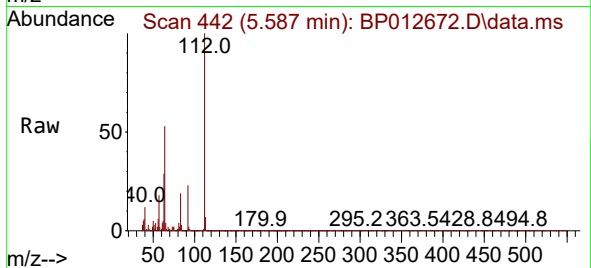




#5
2-Fluorophenol
Concen: 101.611 ng
RT: 5.587 min Scan# 441
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

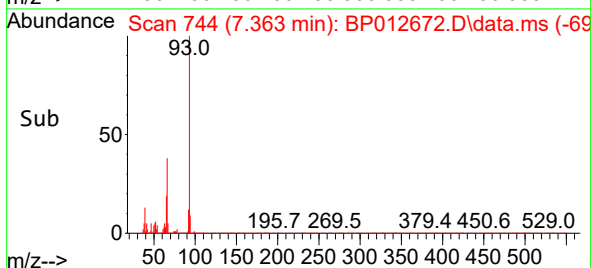
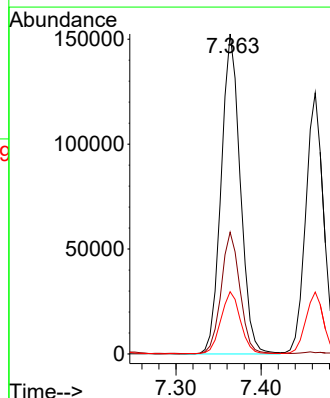
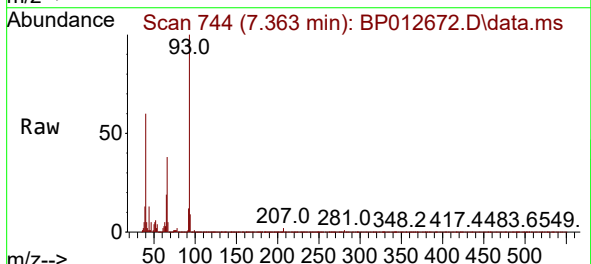
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

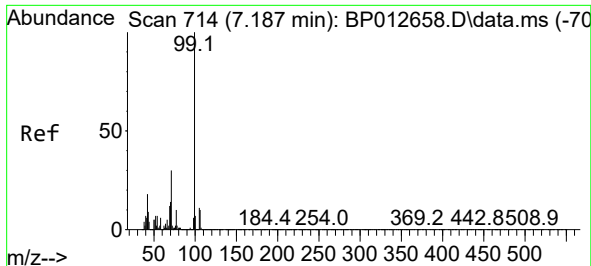
Tgt Ion:112 Resp: 1408633
Ion Ratio Lower Upper
112 100
64 53.3 44.7 67.1
63 29.4 23.3 34.9



#6
Aniline
Concen: 9.774 ng
RT: 7.363 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion: 93 Resp: 237725
Ion Ratio Lower Upper
93 100
66 38.0 29.9 44.9
65 19.5 15.4 23.2

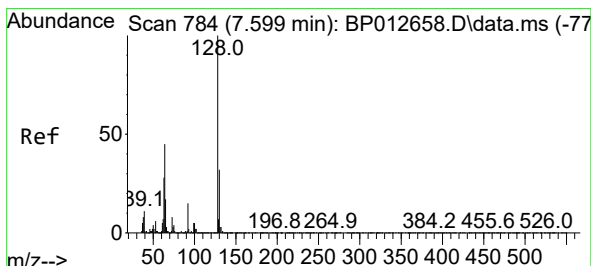
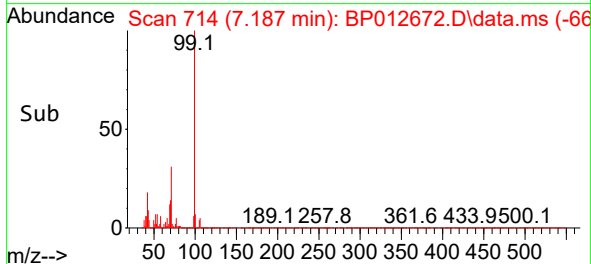
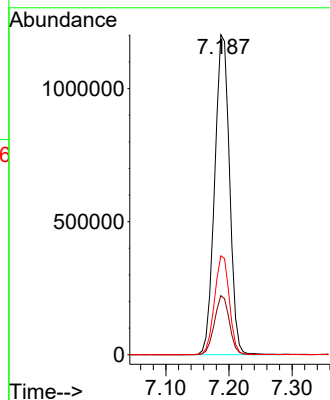
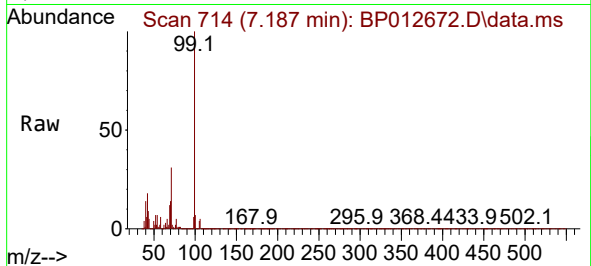




#7
Phenol-d6
Concen: 101.860 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

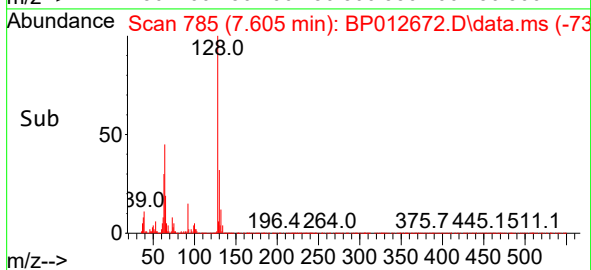
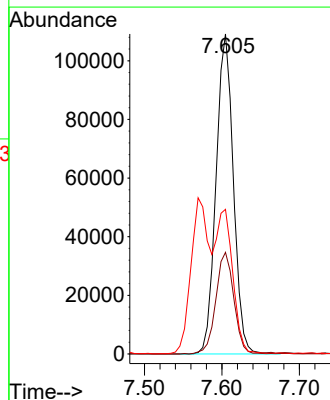
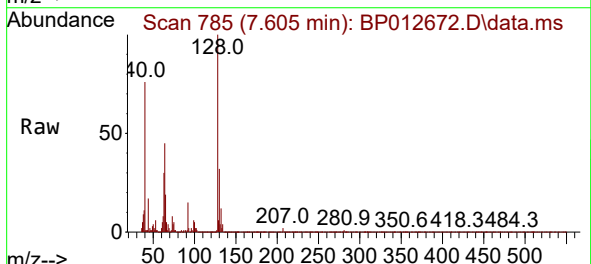
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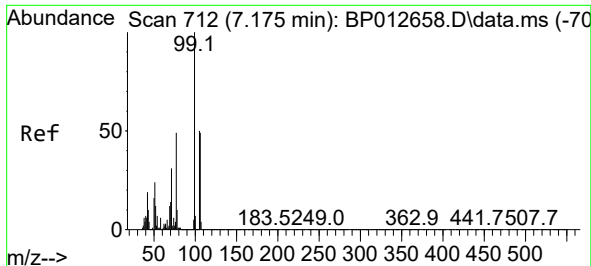
Tgt Ion: 99 Resp: 1966618
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.2
71 30.9 24.4 36.6



#8
2-Chlorophenol
Concen: 9.897 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion: 128 Resp: 169425
Ion Ratio Lower Upper
128 100
130 31.8 12.0 52.0
64 45.2 25.5 65.5

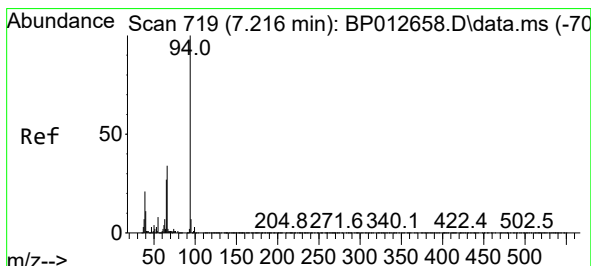
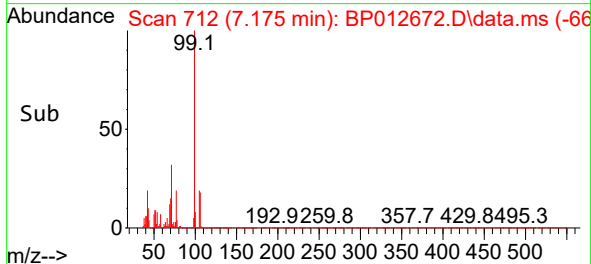
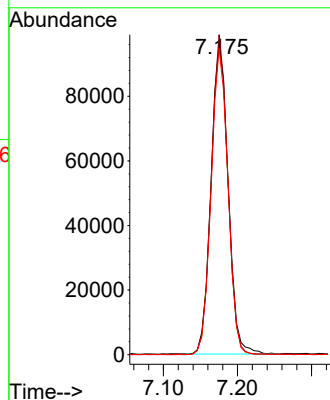
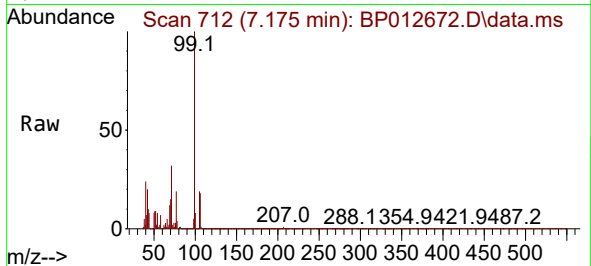




#9
Benzaldehyde
Concen: 13.805 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

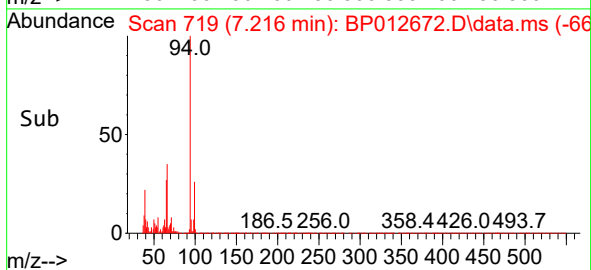
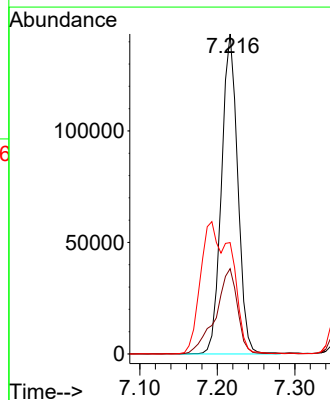
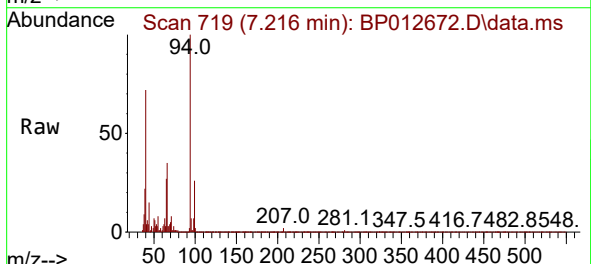
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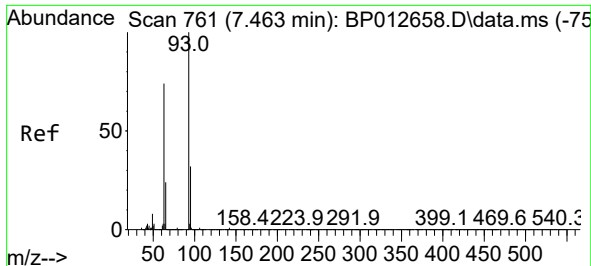
Tgt Ion: 77 Resp: 155441
Ion Ratio Lower Upper
77 100
105 102.9 82.0 122.0
106 98.4 79.6 119.6



#10
Phenol
Concen: 9.603 ng
RT: 7.216 min Scan# 719
Delta R.T. 0.000 min
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Acq: 18 Nov 2022 14:39

Tgt Ion: 94 Resp: 208875
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 34.8 13.9 53.9

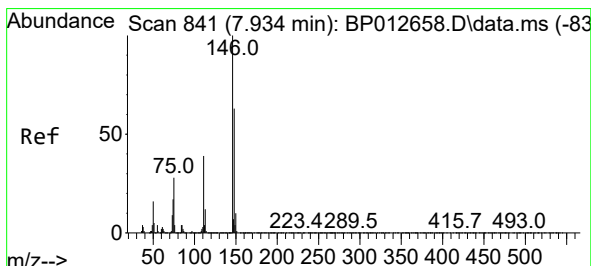
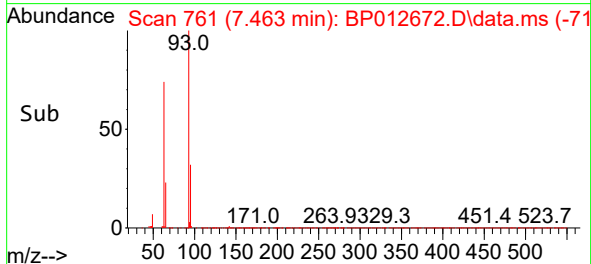
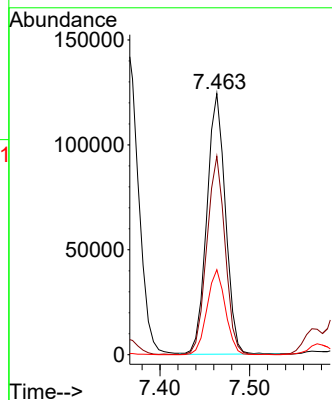
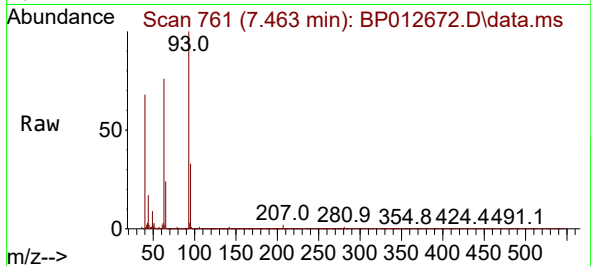




#11
bis(2-Chloroethyl)ether
Concen: 10.305 ng
RT: 7.463 min Scan# 761
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

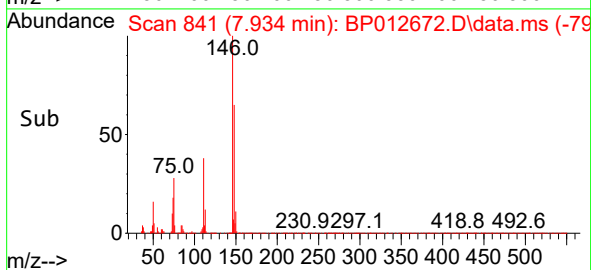
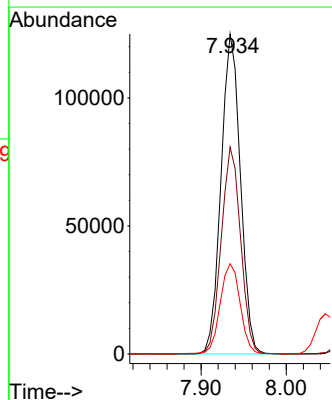
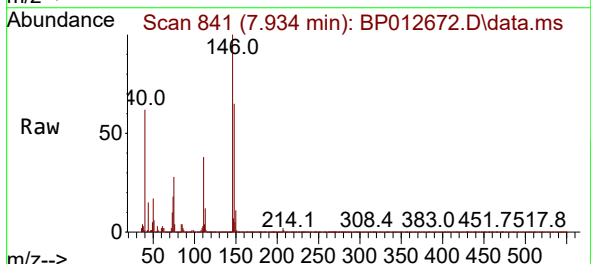
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

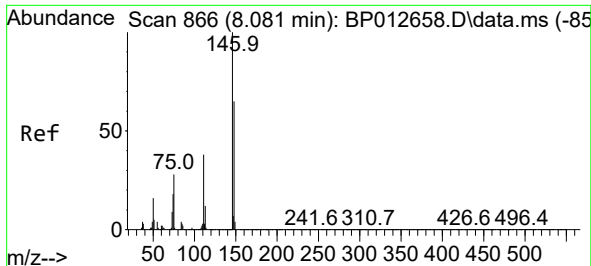
Tgt Ion: 93 Resp: 178545
Ion Ratio Lower Upper
93 100
63 75.9 53.9 93.9
95 32.5 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 10.385 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:146 Resp: 197287
Ion Ratio Lower Upper
146 100
148 64.6 50.6 76.0
75 28.2 22.5 33.7

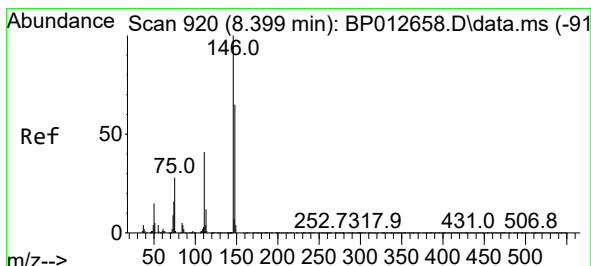
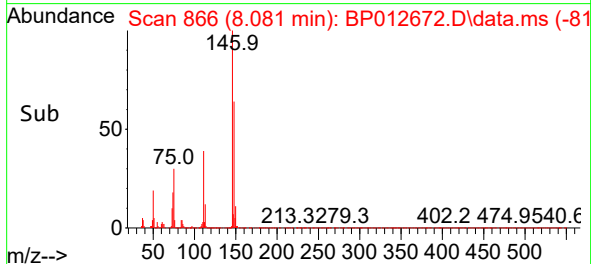
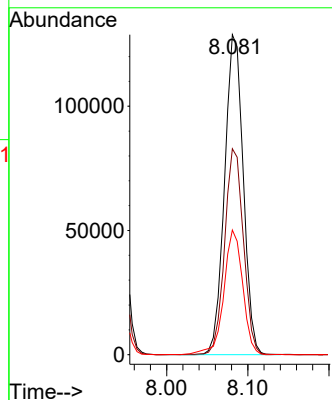
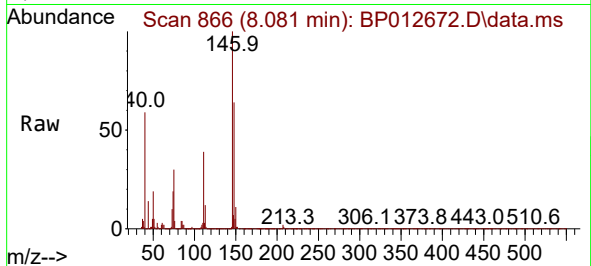




#13
1,4-Dichlorobenzene
Concen: 10.642 ng
RT: 8.081 min Scan# 866
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

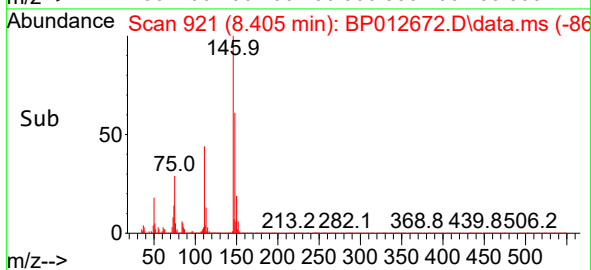
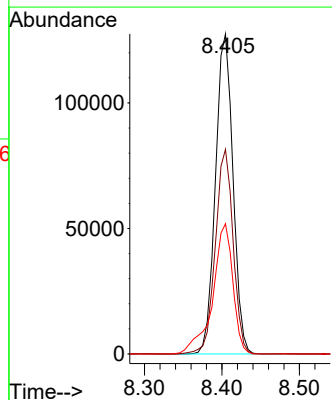
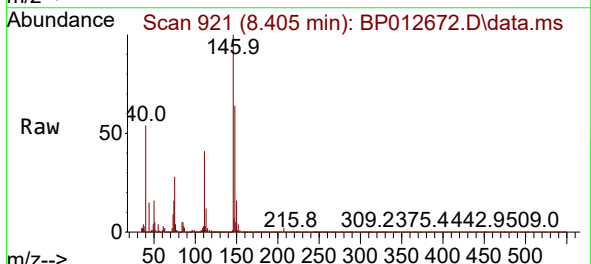
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

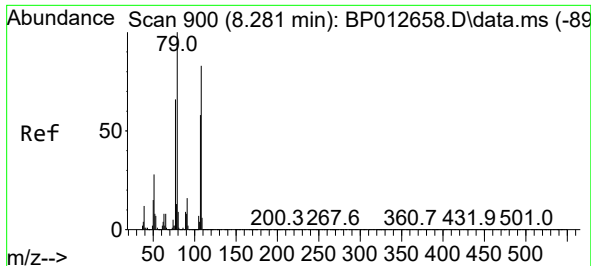
Tgt Ion:146 Resp: 206143
Ion Ratio Lower Upper
146 100
148 64.4 52.2 78.4
111 39.0 30.6 45.8



#14
1,2-Dichlorobenzene
Concen: 10.748 ng
RT: 8.405 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:146 Resp: 199800
Ion Ratio Lower Upper
146 100
148 64.0 52.1 78.1
111 40.7 32.8 49.2

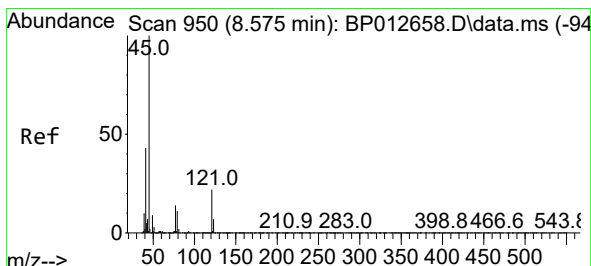
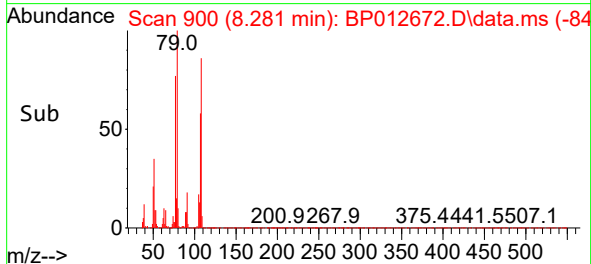
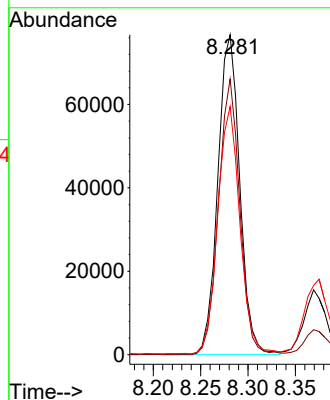
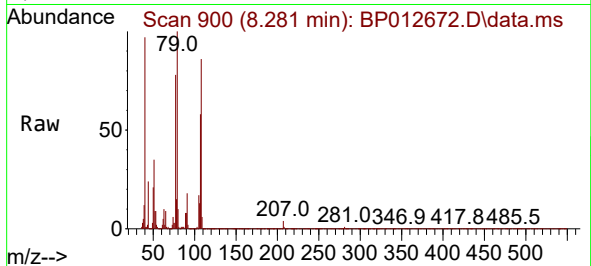




#15
Benzyl Alcohol
Concen: 8.557 ng
RT: 8.281 min Scan# 900
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

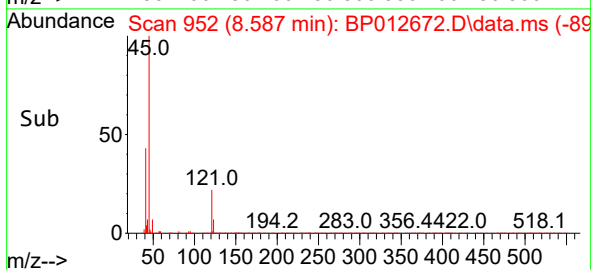
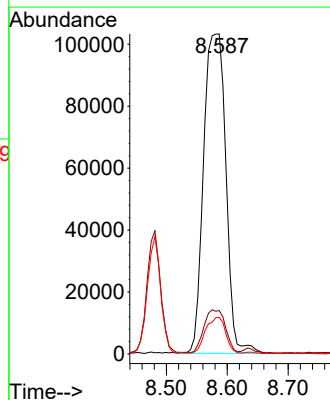
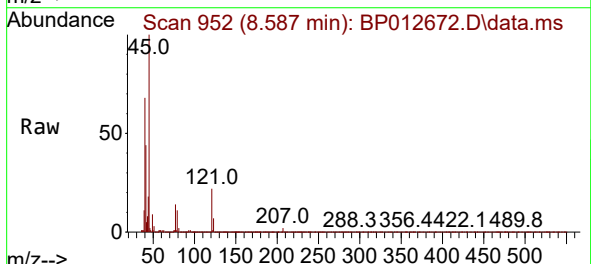
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

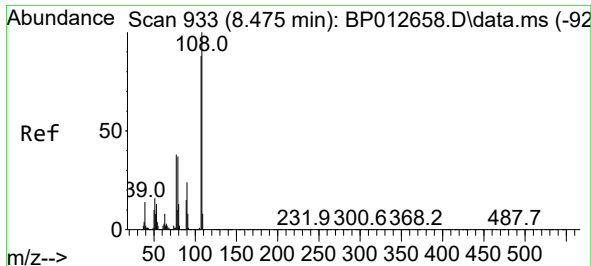
Tgt Ion: 79 Resp: 123094
Ion Ratio Lower Upper
79 100
108 86.1 66.4 99.6
77 77.6 53.2 79.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.710 ng
RT: 8.587 min Scan# 952
Delta R.T. 0.012 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion: 45 Resp: 261821
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.8
79 11.4 0.0 30.7

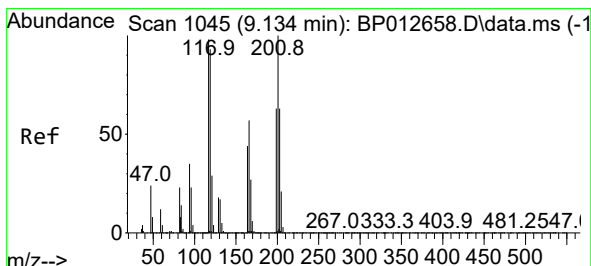
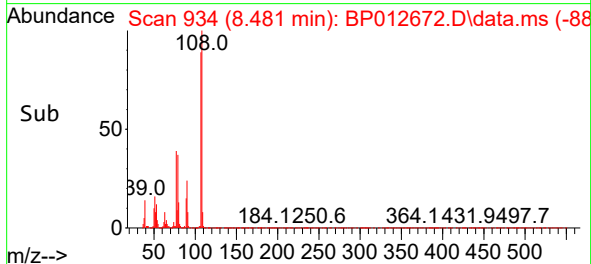
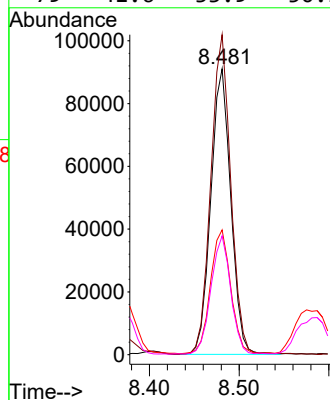
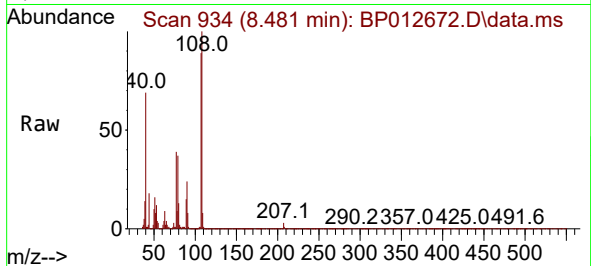




#17
2-Methylphenol
Concen: 9.329 ng
RT: 8.481 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

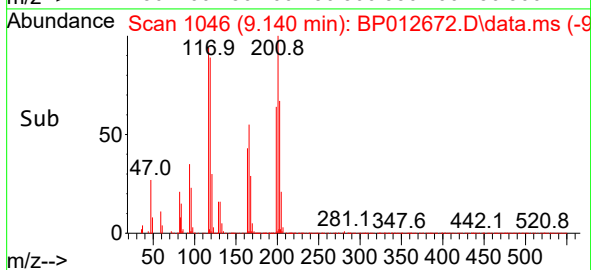
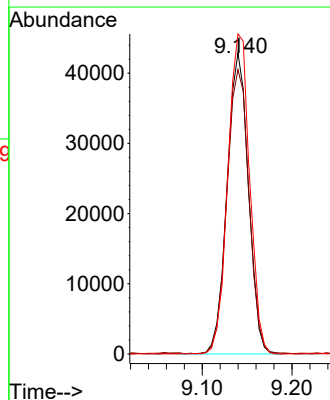
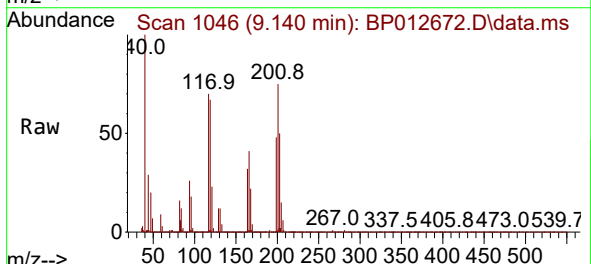
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

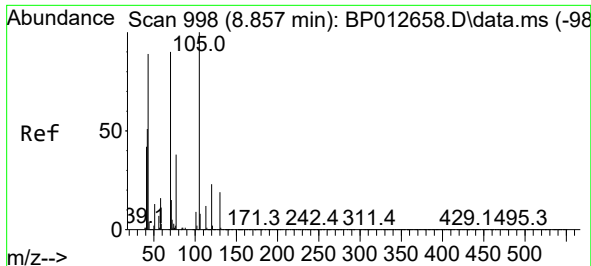
Tgt Ion:	107	Resp:	140715
Ion	Ratio	Lower	Upper
107	100		
108	111.9	91.0	136.6
77	43.6	35.1	52.7
79	41.6	33.9	50.9



#18
Hexachloroethane
Concen: 10.935 ng
RT: 9.140 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:	117	Resp:	70782
Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.1	114.1
201	106.4	81.8	122.8

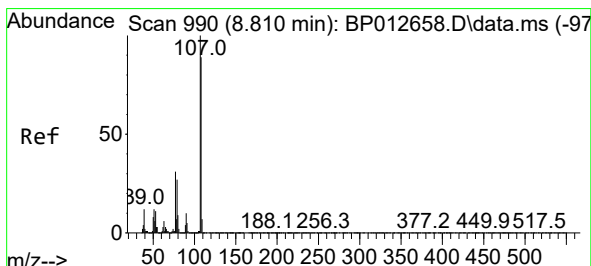
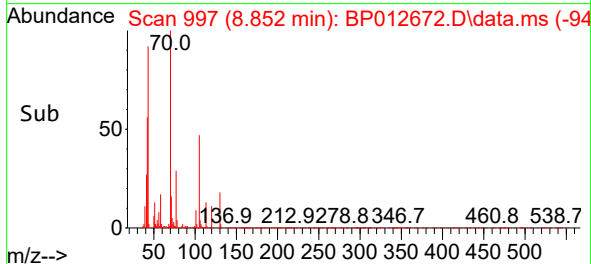
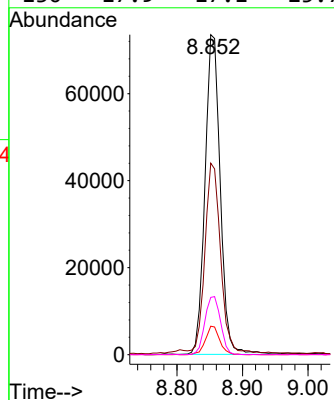
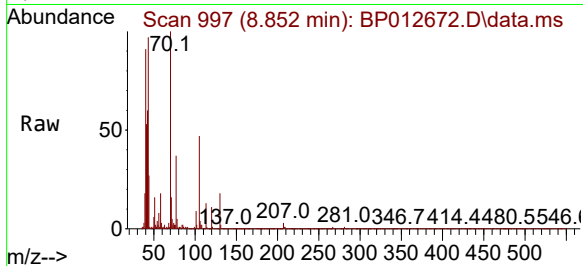




#19
n-Nitroso-di-n-propylamine
Concen: 9.096 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

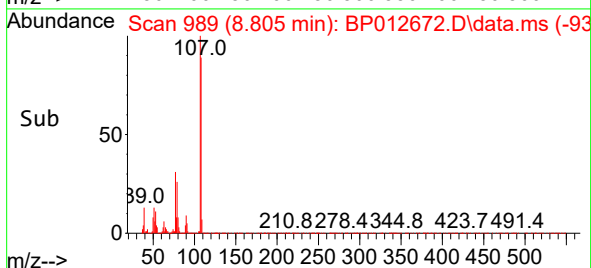
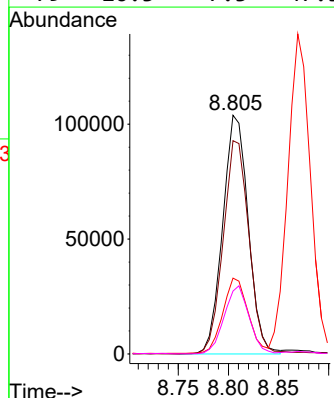
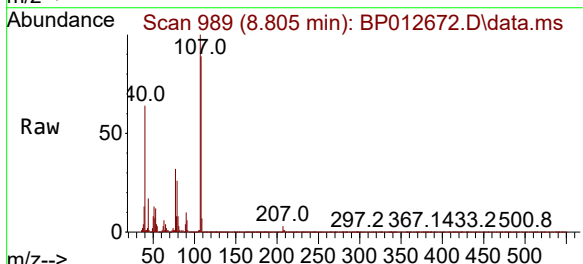
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

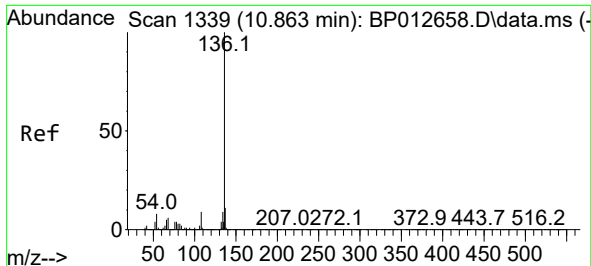
Tgt Ion:	70	Resp:	119362
Ion	Ratio	Lower	Upper
70	100		
42	59.8	46.4	69.6
101	8.9	7.6	11.4
130	17.9	17.1	25.7



#20
3+4-Methylphenols
Concen: 8.679 ng
RT: 8.805 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:	107	Resp:	183381
Ion	Ratio	Lower	Upper
107	100		
108	89.4	69.1	109.1
77	31.8	10.8	50.8
79	26.3	7.3	47.3

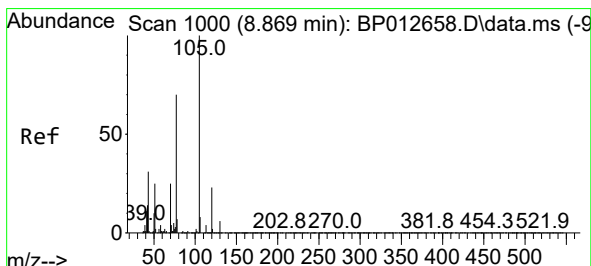
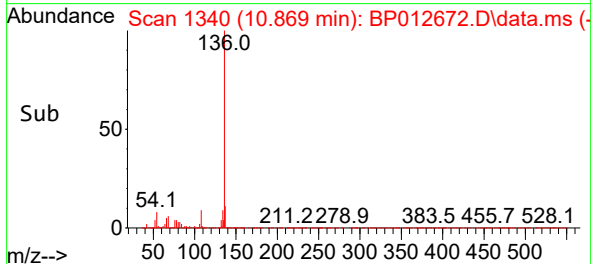
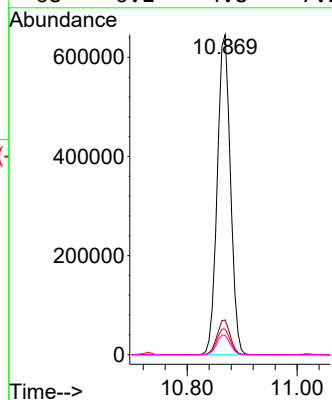
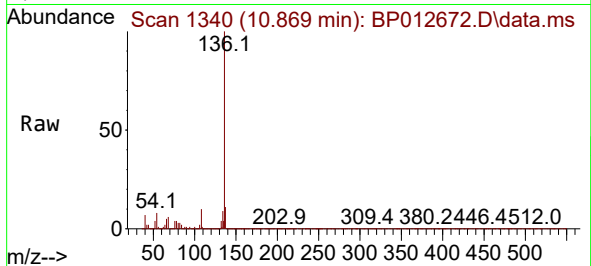




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.869 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

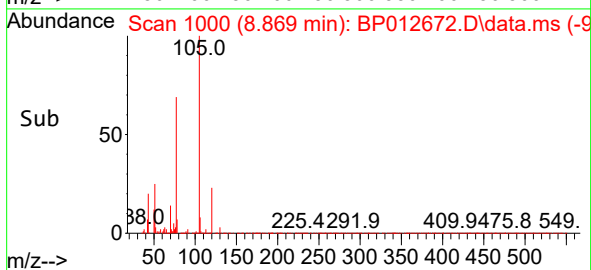
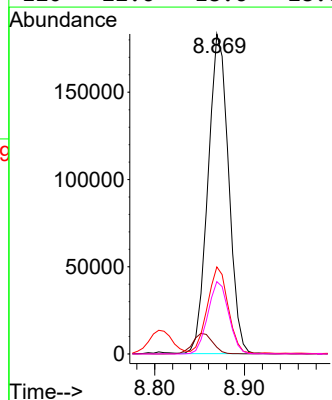
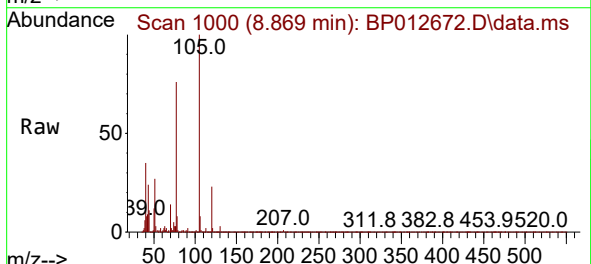
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

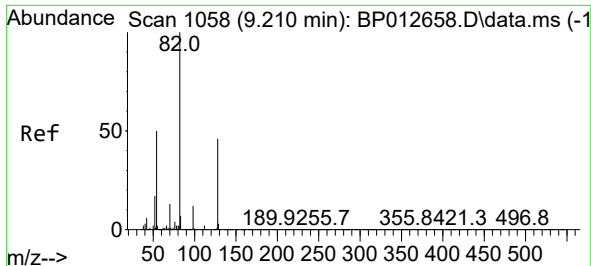
Tgt Ion:136 Resp: 1075610
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.0 6.3 9.5
68 6.1 4.8 7.2



#22
Acetophenone
Concen: 10.859 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:105 Resp: 291546
Ion Ratio Lower Upper
105 100
71 2.1 3.1 4.7#
51 27.2 21.4 32.2
120 22.6 18.6 28.0





#23

Nitrobenzene-d5

Concen: 89.192 ng

RT: 9.210 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

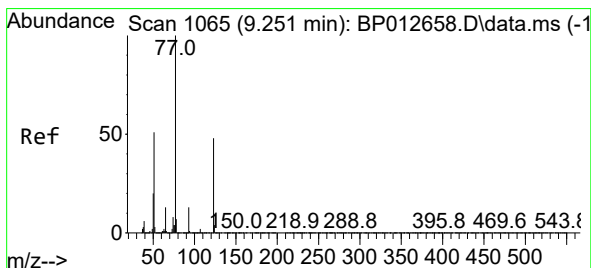
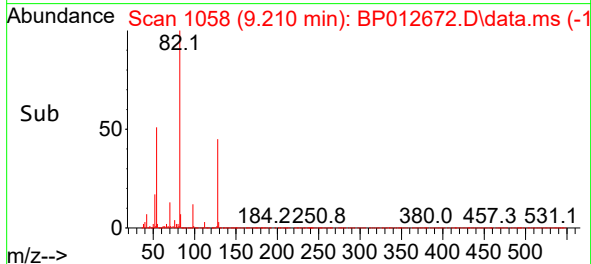
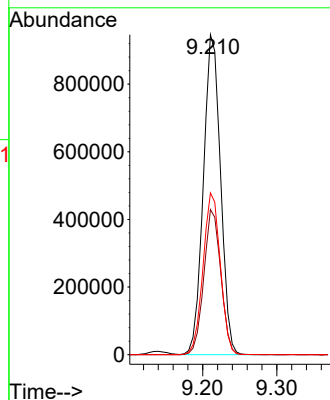
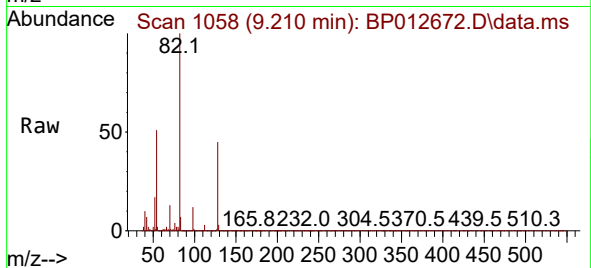
Tgt Ion: 82 Resp: 1525823

Ion Ratio Lower Upper

82 100

128 45.4 36.5 54.7

54 50.5 39.9 59.9



#24

Nitrobenzene

Concen: 10.896 ng

RT: 9.257 min Scan# 1066

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

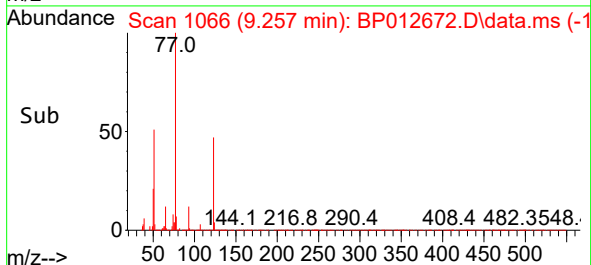
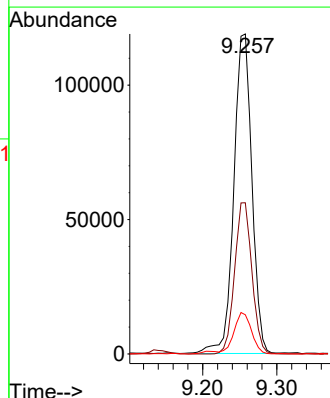
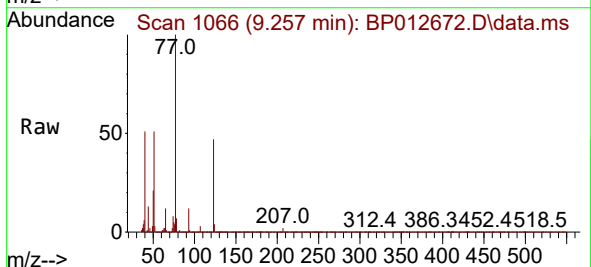
Tgt Ion: 77 Resp: 201281

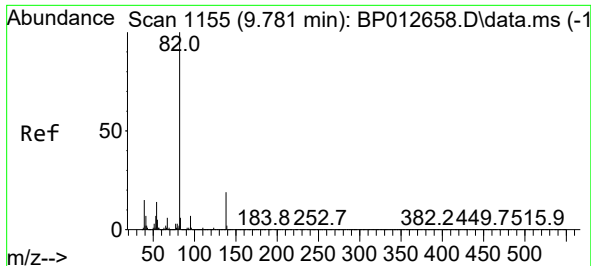
Ion Ratio Lower Upper

77 100

123 47.3 38.7 58.1

65 12.2 10.6 15.8

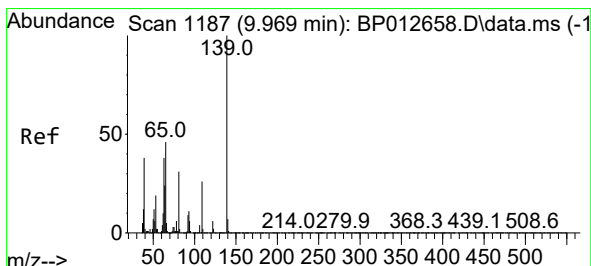
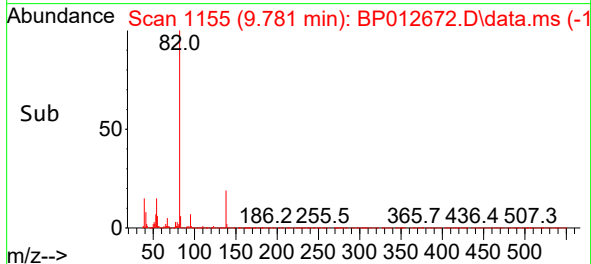
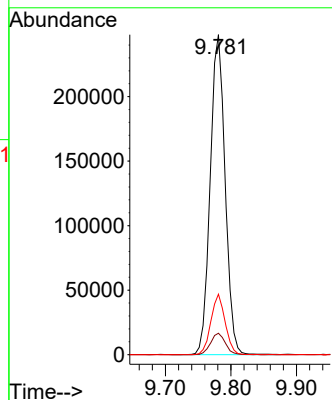
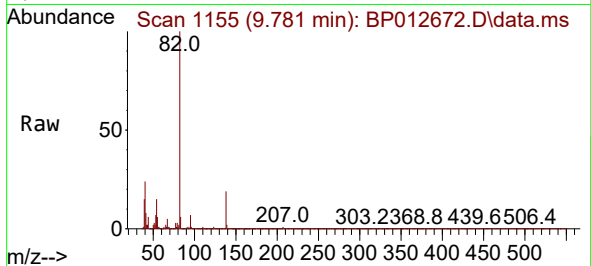




#25
Isophorone
Concen: 10.195 ng
RT: 9.781 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

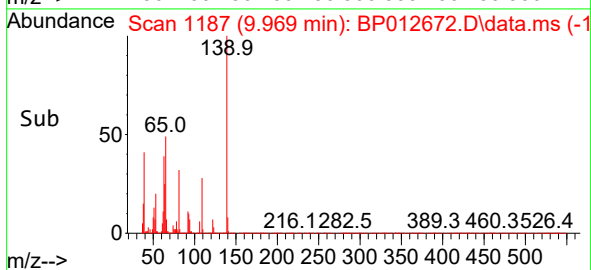
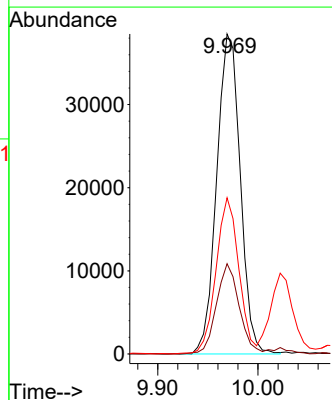
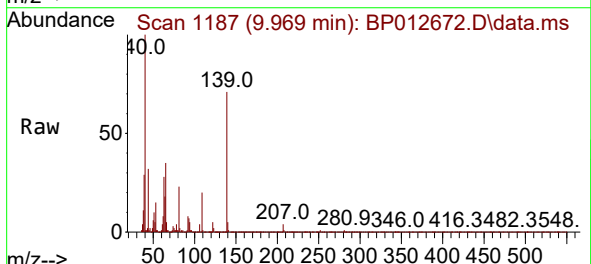
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

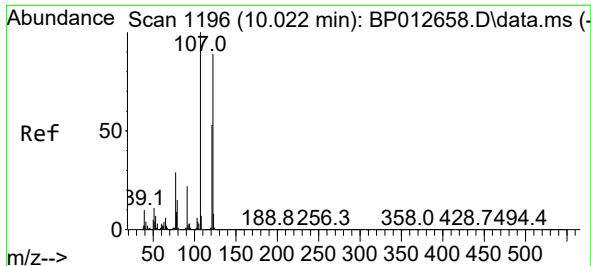
Tgt Ion: 82 Resp: 392320
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 18.9 14.9 22.3



#26
2-Nitrophenol
Concen: 7.834 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:139 Resp: 62753
Ion Ratio Lower Upper
139 100
109 28.2 20.9 31.3
65 48.8 36.6 54.8





#27

2,4-Dimethylphenol

Concen: 10.054 ng

RT: 10.022 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

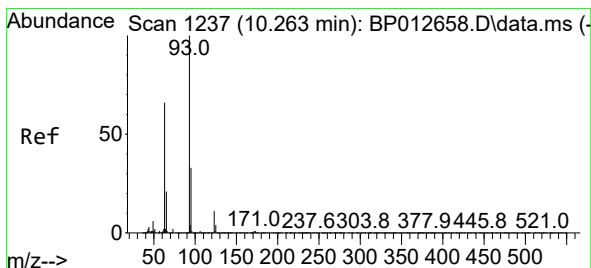
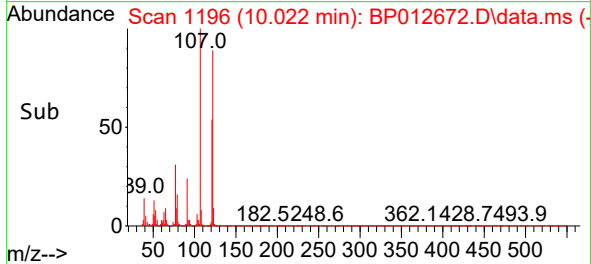
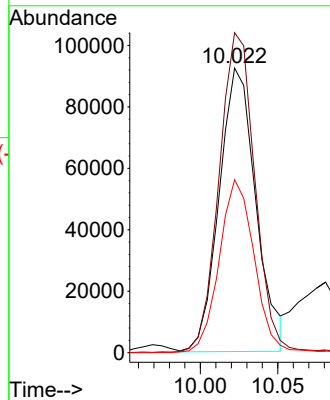
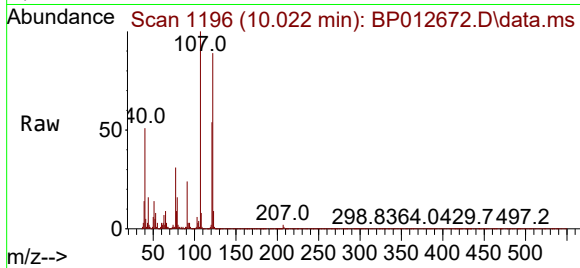
Tgt Ion:122 Resp: 151993

Ion Ratio Lower Upper

122 100

107 112.4 89.2 133.8

121 60.8 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 11.182 ng

RT: 10.269 min Scan# 1238

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

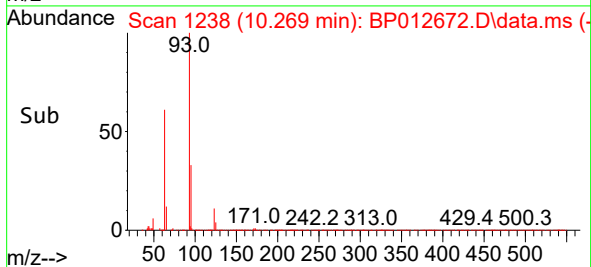
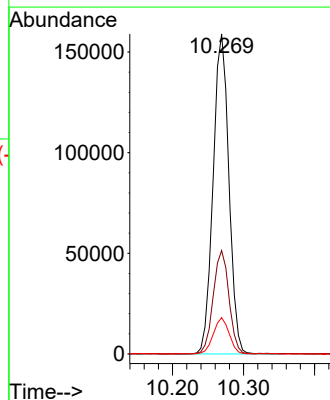
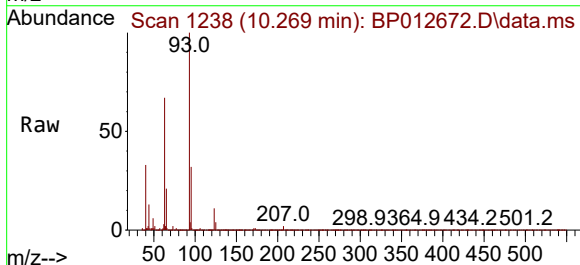
Tgt Ion: 93 Resp: 244743

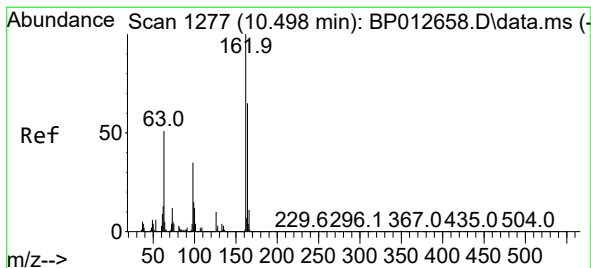
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.4

123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.159 ng

RT: 10.504 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

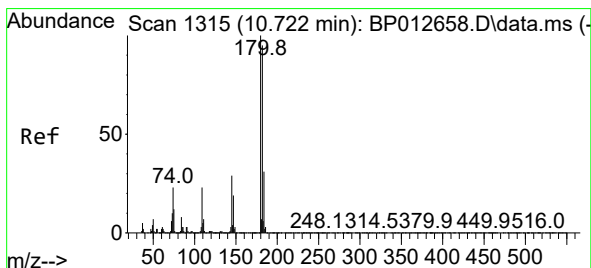
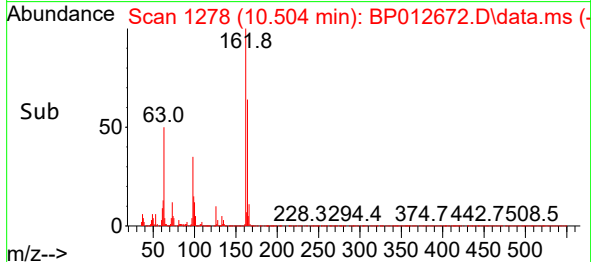
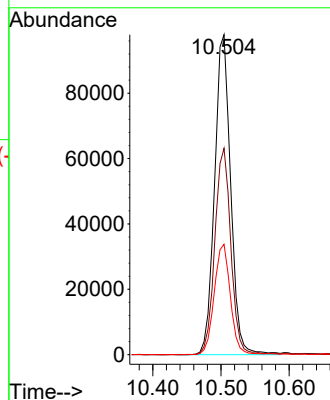
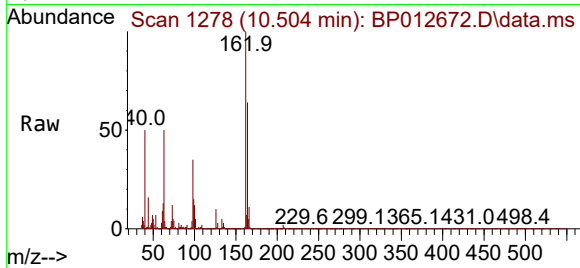
Tgt Ion:162 Resp: 160925

Ion Ratio Lower Upper

162 100

164 64.5 44.7 84.7

98 34.5 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 10.230 ng

RT: 10.728 min Scan# 1316

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

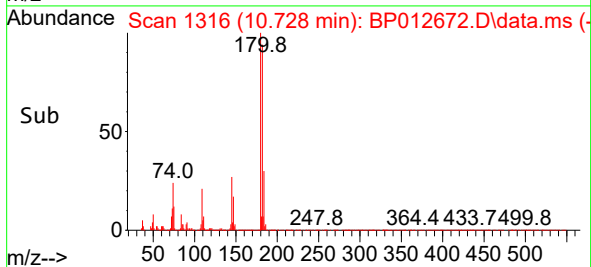
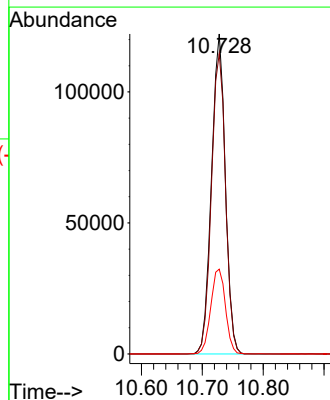
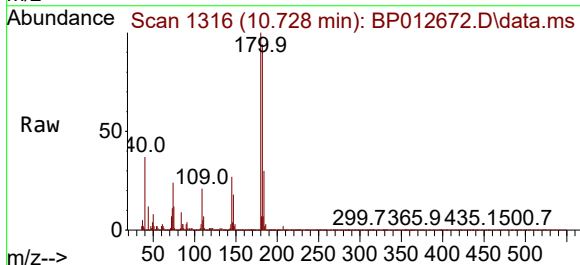
Tgt Ion:180 Resp: 192930

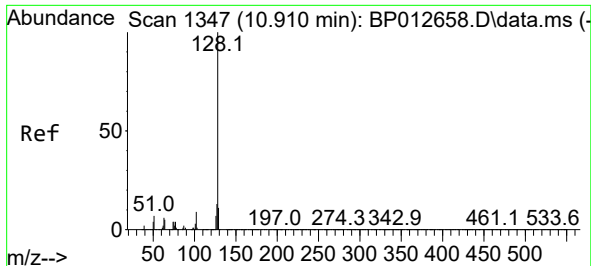
Ion Ratio Lower Upper

180 100

182 93.9 76.1 114.1

145 26.5 23.0 34.4

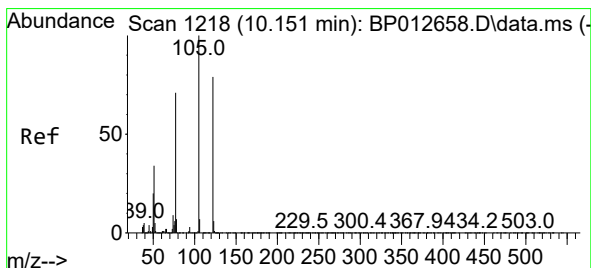
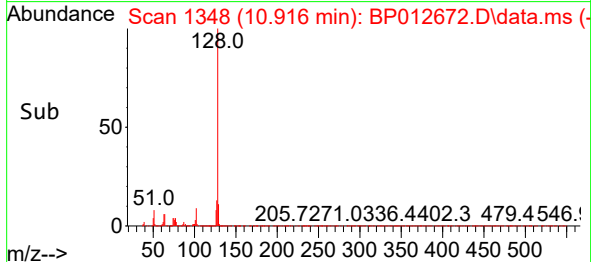
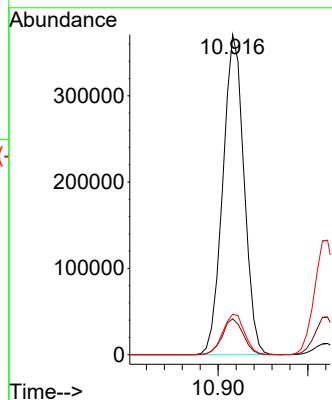
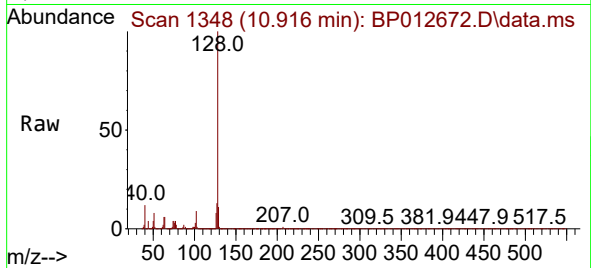




#31
Naphthalene
Concen: 10.263 ng
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

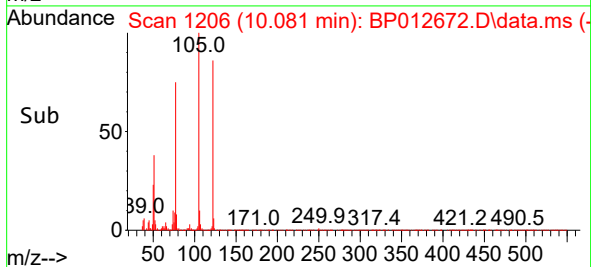
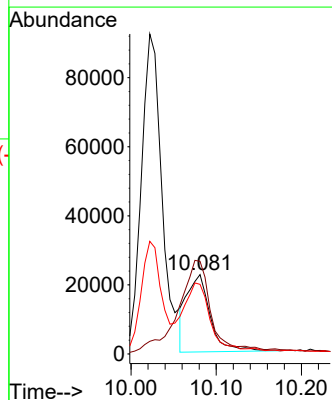
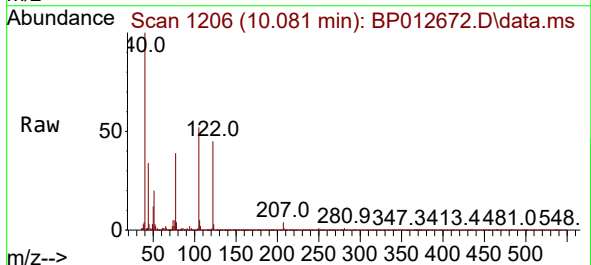
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

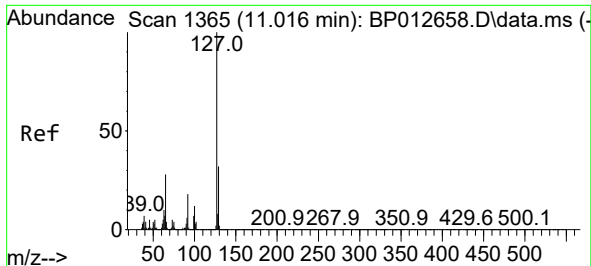
Tgt Ion:128 Resp: 606877
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.7 10.5 15.7



#32
Benzoic acid
Concen: 3.624 ng
RT: 10.081 min Scan# 1206
Delta R.T. -0.070 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:122 Resp: 42897
Ion Ratio Lower Upper
122 100
105 116.9 101.1 141.1
77 87.7 67.6 107.6

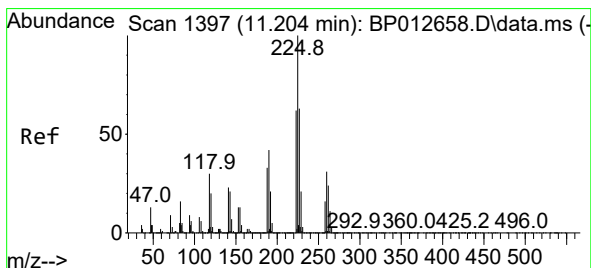
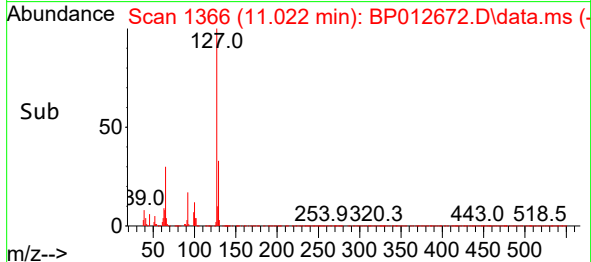
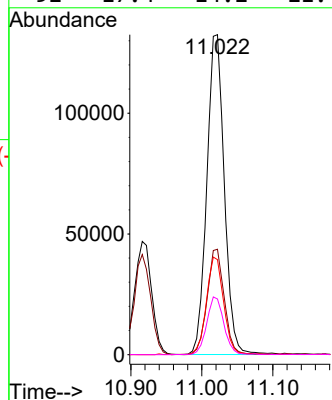
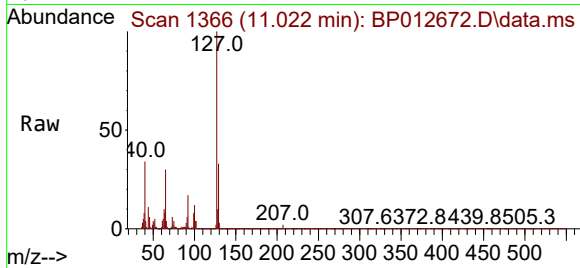




#33
4-Chloroaniline
Concen: 9.215 ng
RT: 11.022 min Scan# 1366
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

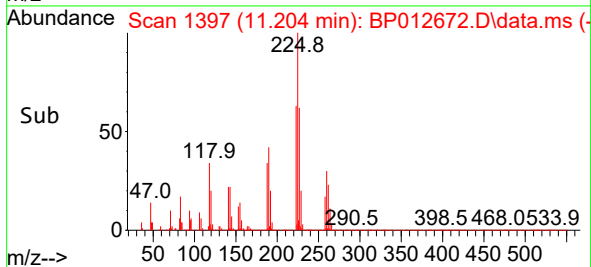
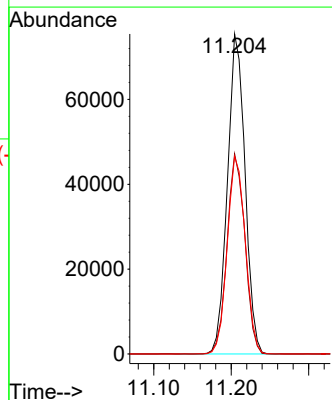
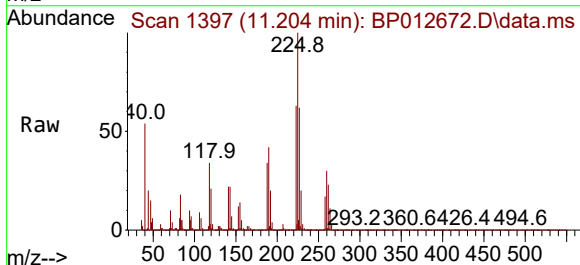
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

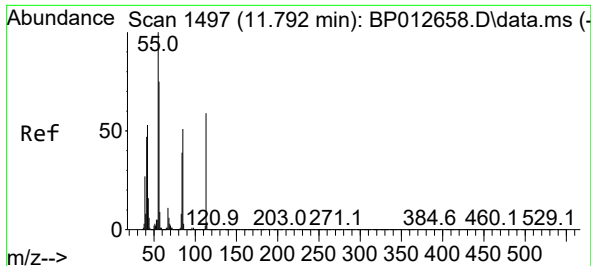
Tgt	Ion:127	Resp:	227022
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.4	38.0
65	29.7	22.6	33.8
92	17.4	14.2	21.4



#34
Hexachlorobutadiene
Concen: 10.718 ng
RT: 11.204 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt	Ion:225	Resp:	119431
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.6	74.4
227	61.7	50.0	75.0

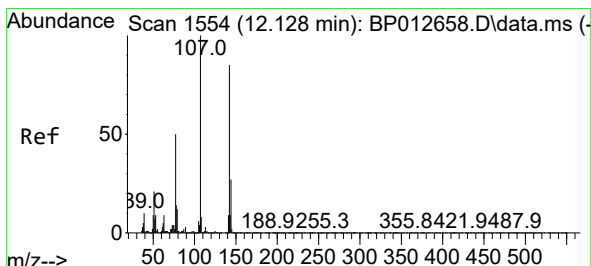
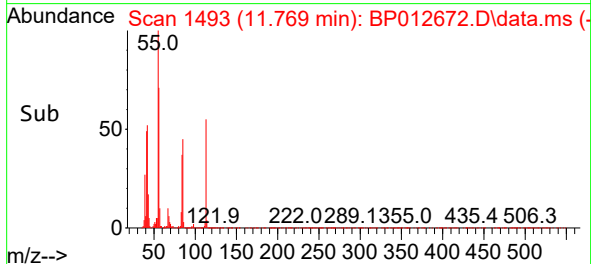
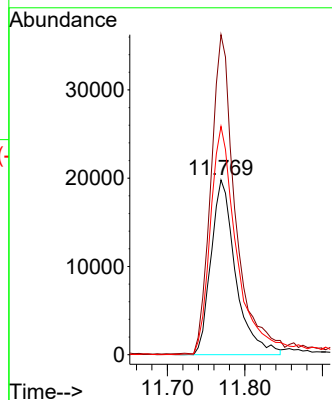
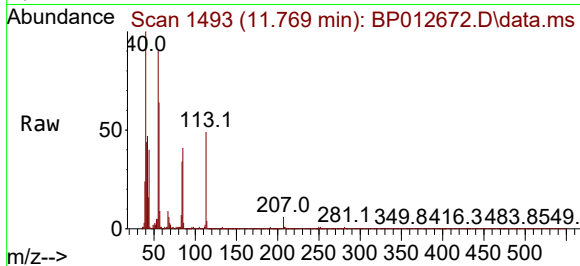




#35
Caprolactam
Concen: 7.642 ng
RT: 11.769 min Scan# 1493
Delta R.T. -0.023 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

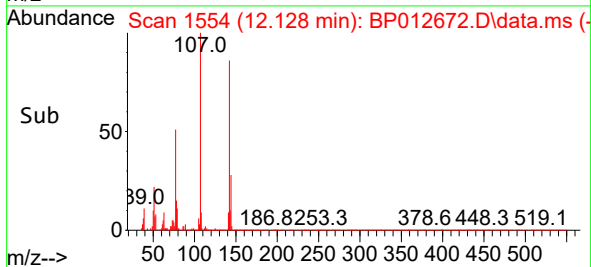
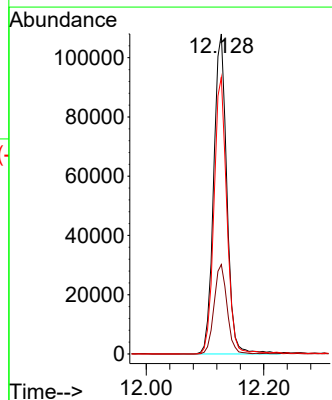
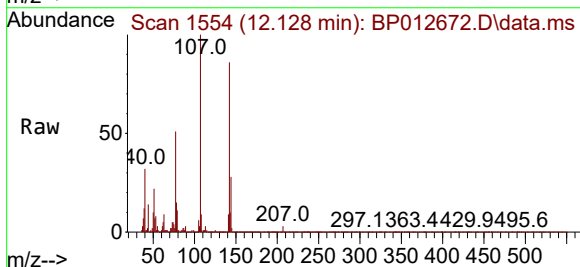
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

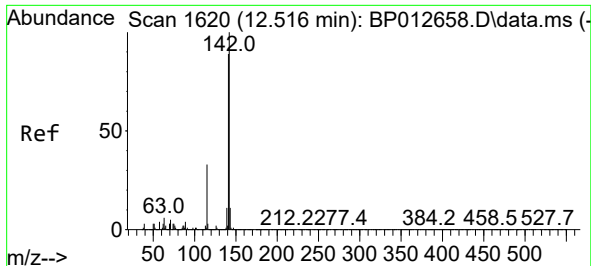
Tgt Ion:113 Resp: 43723
Ion Ratio Lower Upper
113 100
55 183.1 149.2 189.2
56 130.7 106.9 146.9



#36
4-Chloro-3-methylphenol
Concen: 8.901 ng
RT: 12.128 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:107 Resp: 167871
Ion Ratio Lower Upper
107 100
144 28.0 21.9 32.9
142 86.4 68.1 102.1

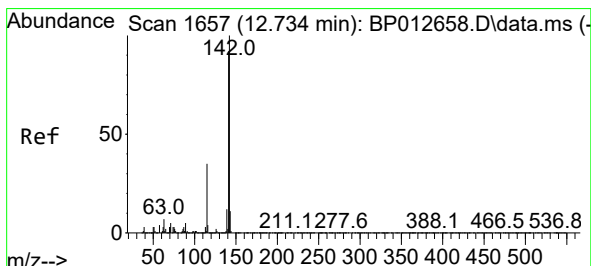
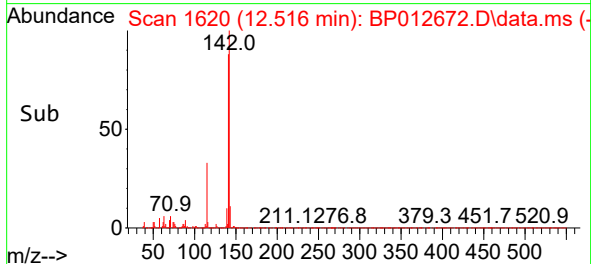
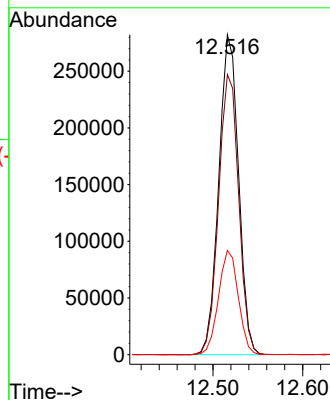
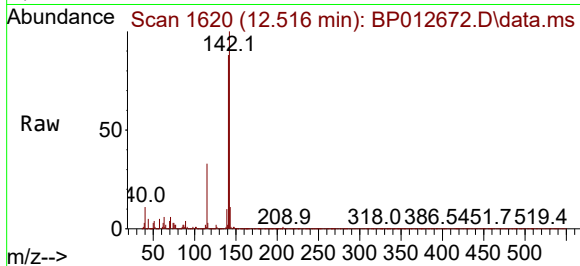




#37
2-Methylnaphthalene
Concen: 10.199 ng
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

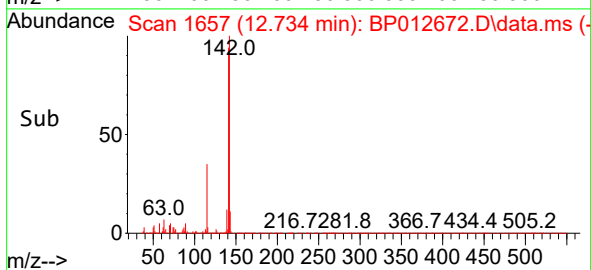
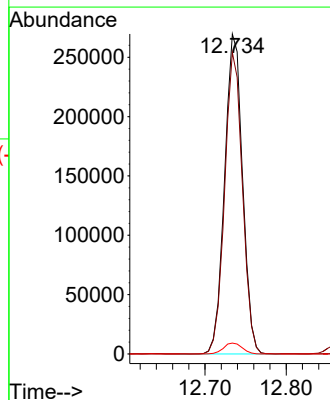
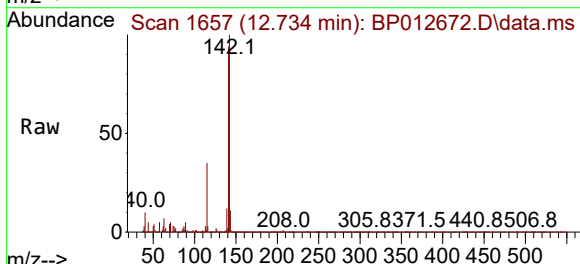
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

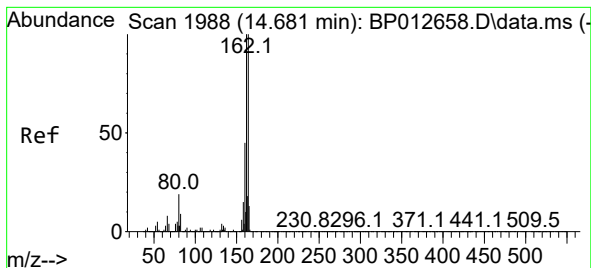
Tgt Ion:142 Resp: 431264
Ion Ratio Lower Upper
142 100
141 87.5 71.0 106.6
115 32.5 26.2 39.4



#38
1-Methylnaphthalene
Concen: 9.983 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:142 Resp: 414810
Ion Ratio Lower Upper
142 100
141 94.2 73.9 110.9
116 3.4 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: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

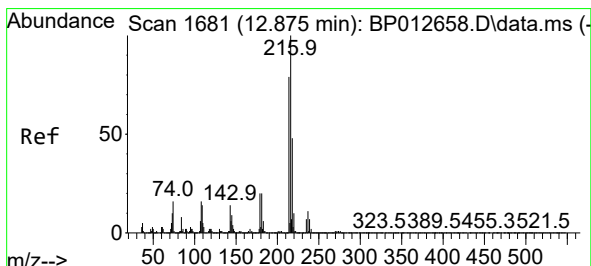
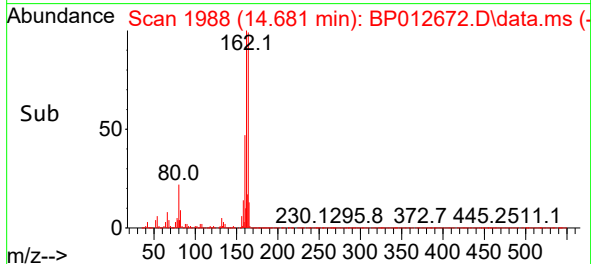
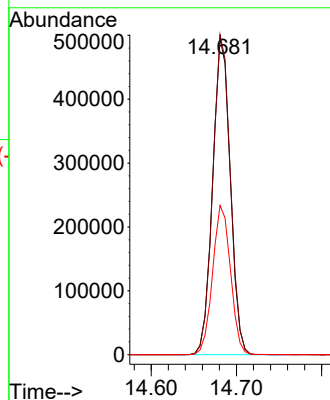
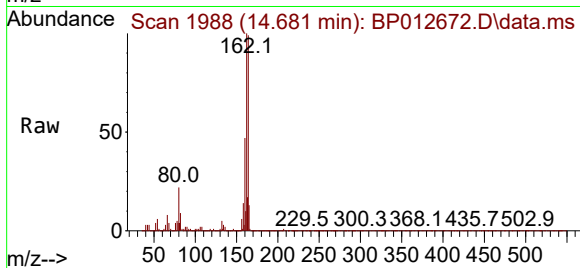
Tgt Ion:164 Resp: 714619

Ion Ratio Lower Upper

164 100

162 101.0 80.3 120.5

160 47.1 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.039 ng

RT: 12.881 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:216 Resp: 230085

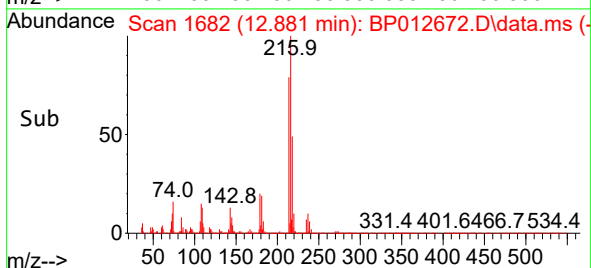
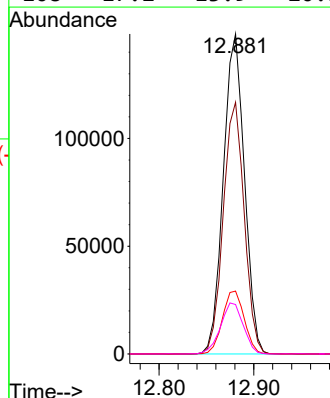
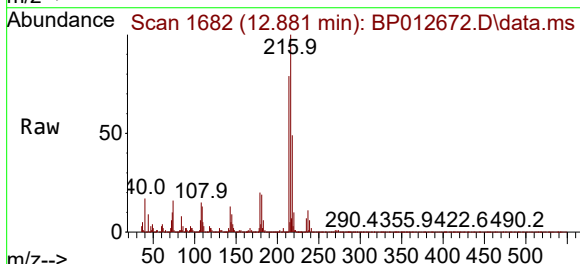
Ion Ratio Lower Upper

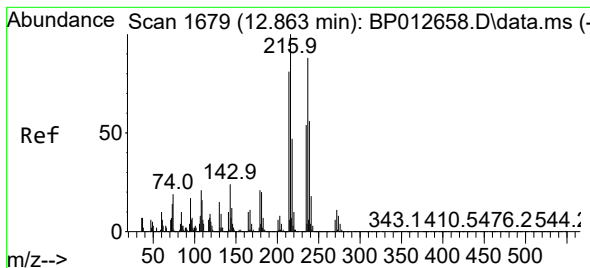
216 100

214 78.1 62.5 93.7

179 20.3 16.6 24.8

108 17.2 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 12.313 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

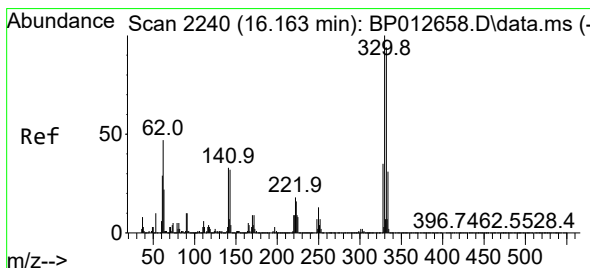
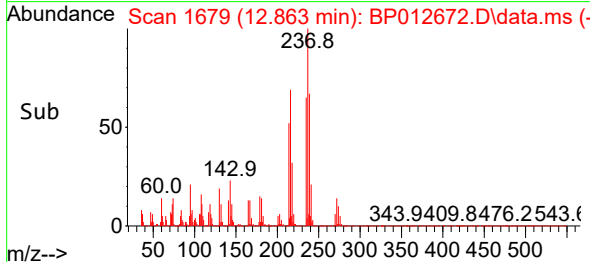
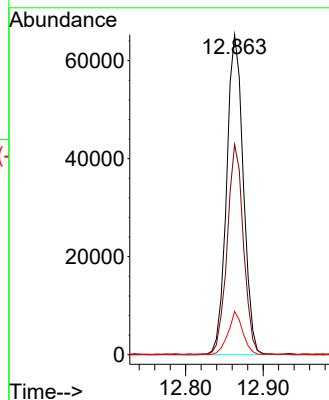
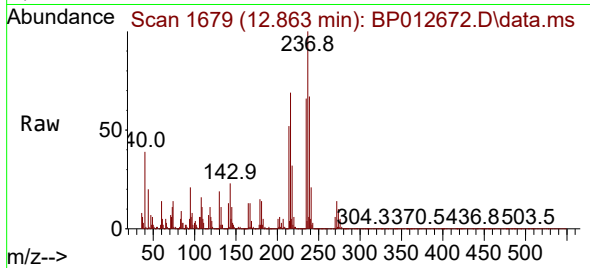
Tgt Ion:237 Resp: 97607

Ion Ratio Lower Upper

237 100

235 65.7 41.7 81.7

272 13.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 111.081 ng

RT: 16.169 min Scan# 2241

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

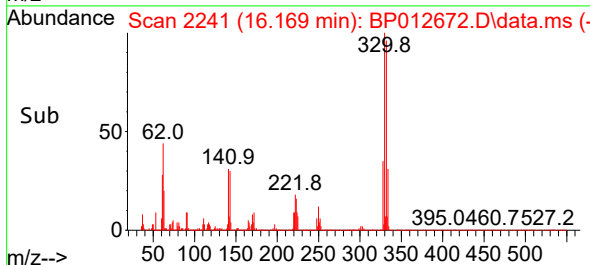
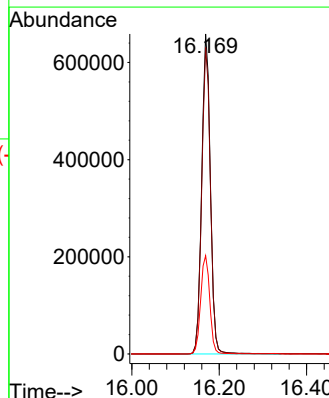
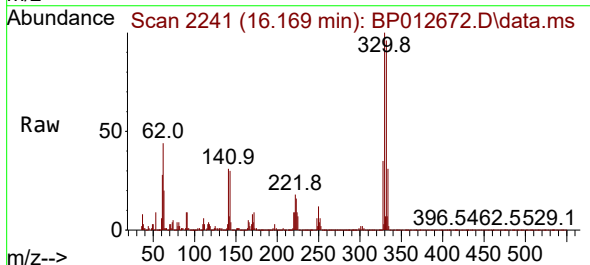
Tgt Ion:330 Resp: 908431

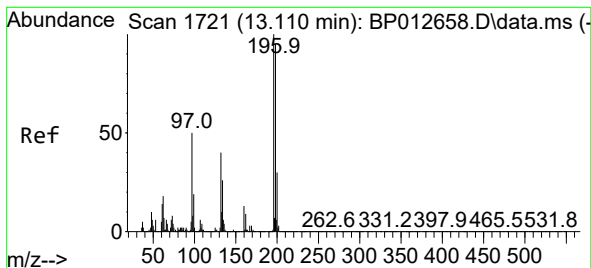
Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.4

141 32.3 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 9.165 ng

RT: 13.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

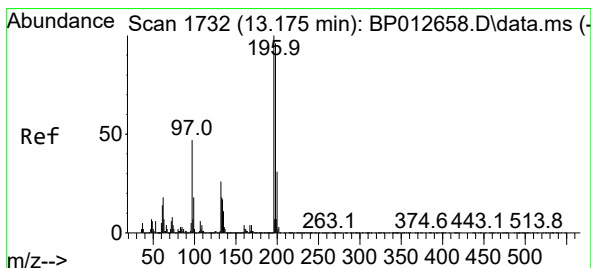
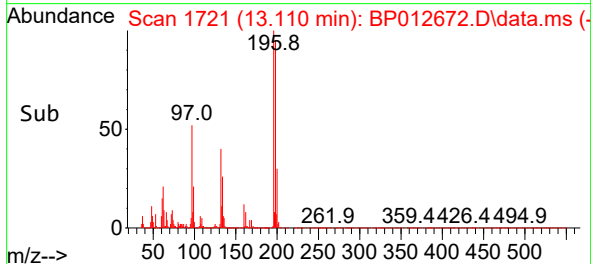
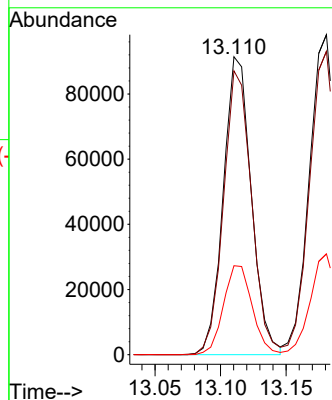
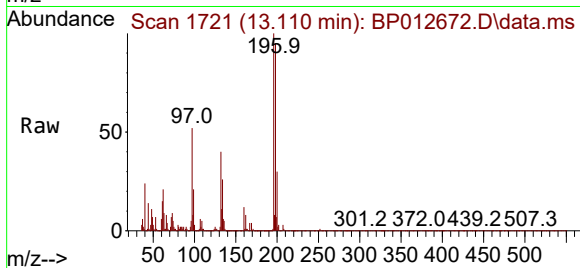
Tgt Ion:196 Resp: 135996

Ion Ratio Lower Upper

196 100

198 95.3 75.8 113.6

200 29.9 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 8.977 ng

RT: 13.181 min Scan# 1733

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:196 Resp: 147388

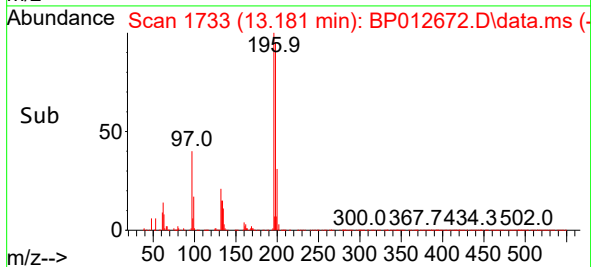
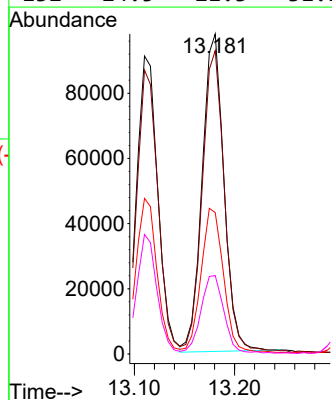
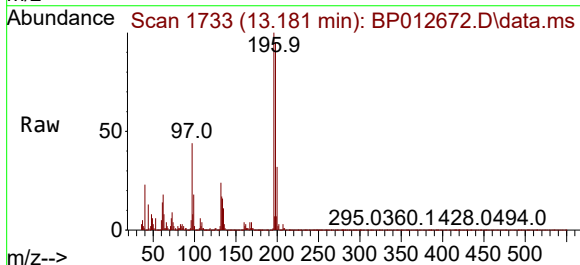
Ion Ratio Lower Upper

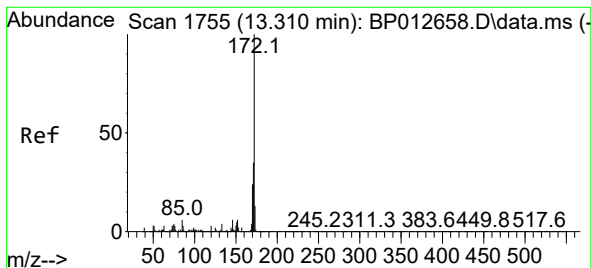
196 100

198 94.8 76.4 114.6

97 44.2 37.5 56.3

132 24.5 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 85.554 ng

RT: 13.310 min Scan# 1755

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

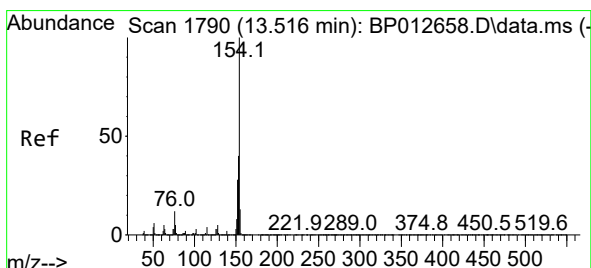
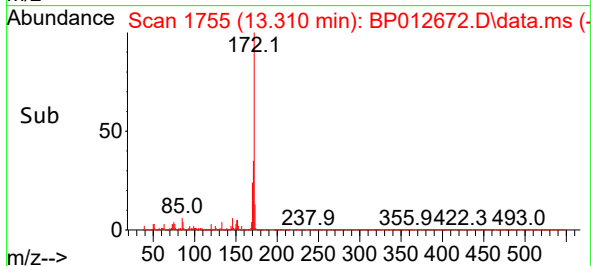
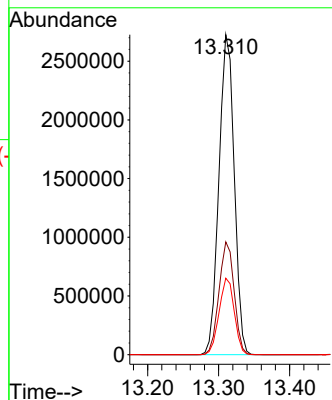
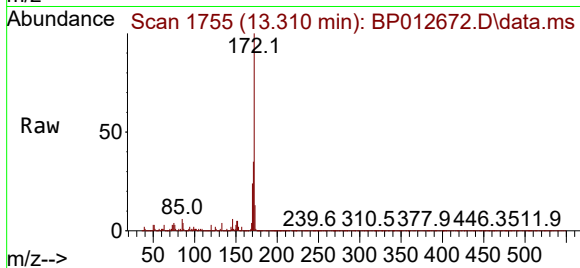
Tgt Ion:172 Resp: 4063283

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.9 19.3 28.9



#46

1,1'-Biphenyl

Concen: 11.009 ng

RT: 13.522 min Scan# 1791

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

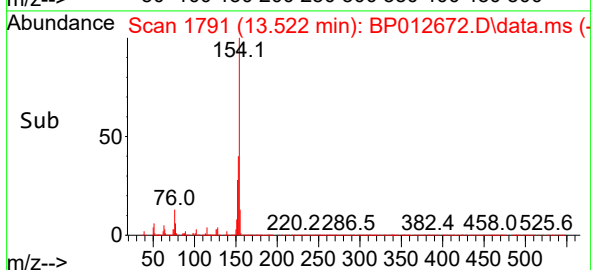
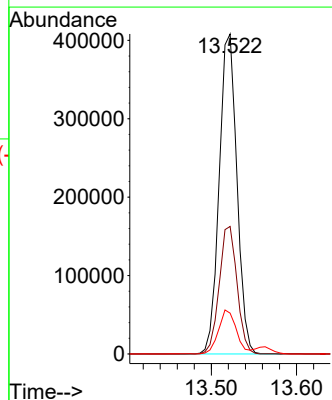
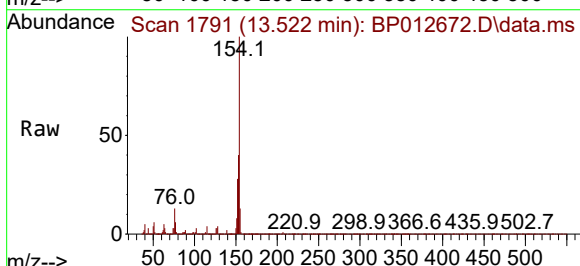
Tgt Ion:154 Resp: 588307

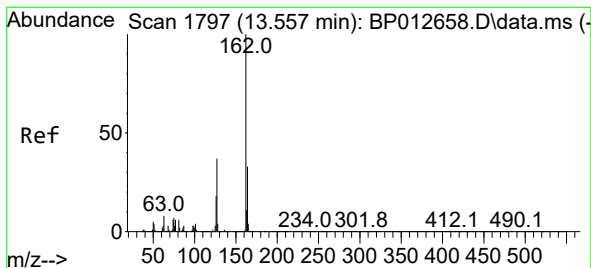
Ion Ratio Lower Upper

154 100

153 39.9 19.6 59.6

76 12.7 0.0 32.4





#47

2-Chloronaphthalene

Concen: 10.588 ng

RT: 13.563 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

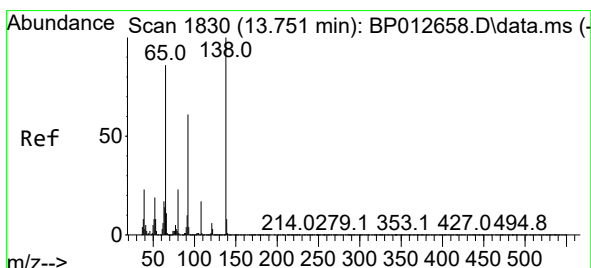
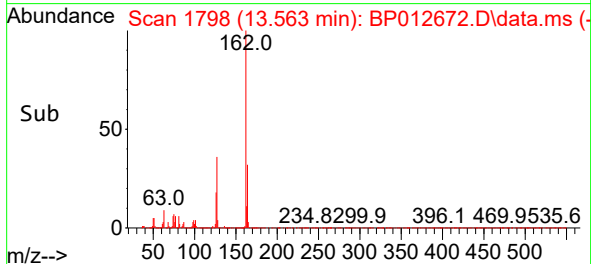
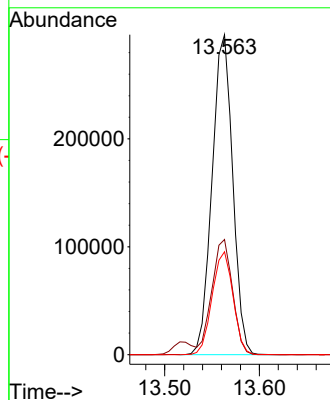
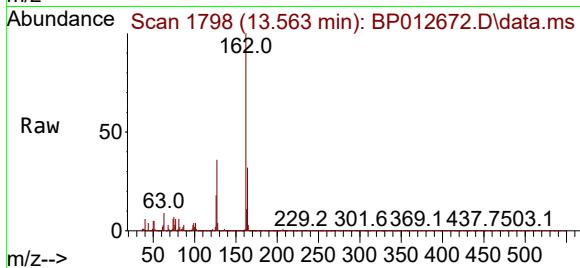
Tgt Ion:162 Resp: 449265

Ion Ratio Lower Upper

162 100

127 36.0 29.4 44.2

164 32.1 26.4 39.6



#48

2-Nitroaniline

Concen: 7.077 ng

RT: 13.757 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

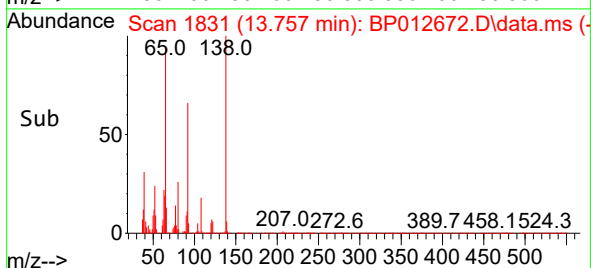
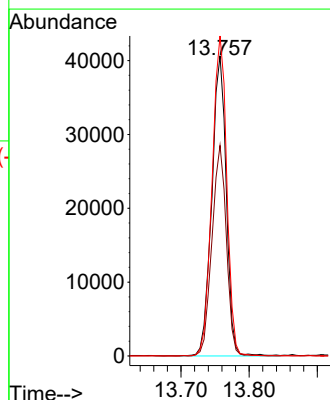
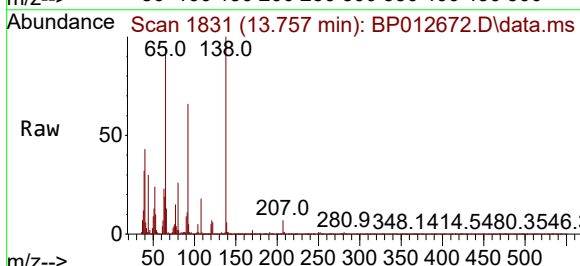
Tgt Ion: 65 Resp: 60095

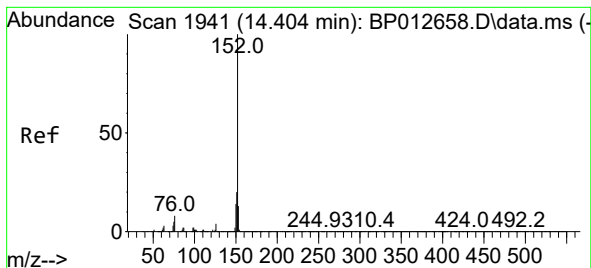
Ion Ratio Lower Upper

65 100

92 70.1 56.7 85.1

138 106.5 92.7 139.1





#49

Acenaphthylene

Concen: 10.270 ng

RT: 14.404 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

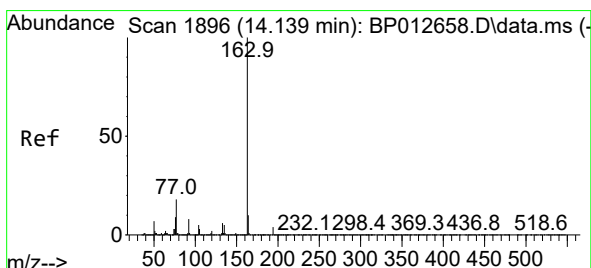
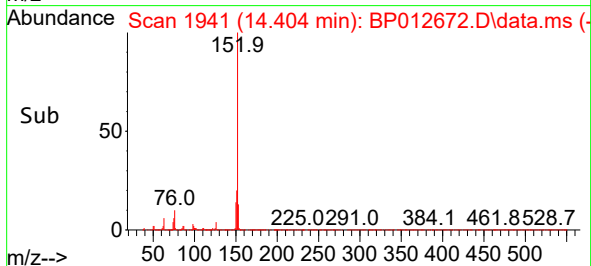
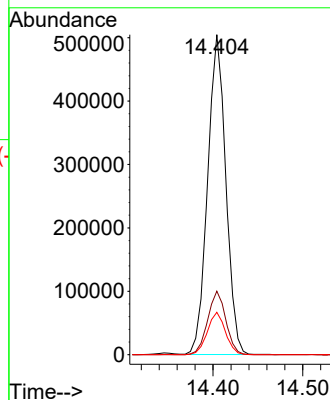
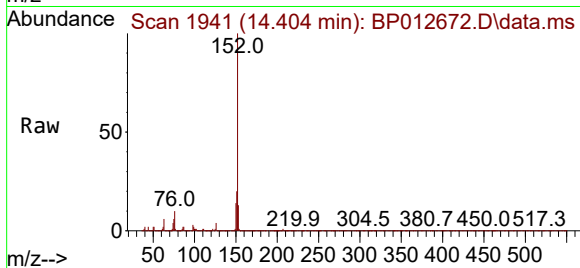
Tgt Ion:152 Resp: 711259

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 9.677 ng

RT: 14.134 min Scan# 1895

Delta R.T. -0.005 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

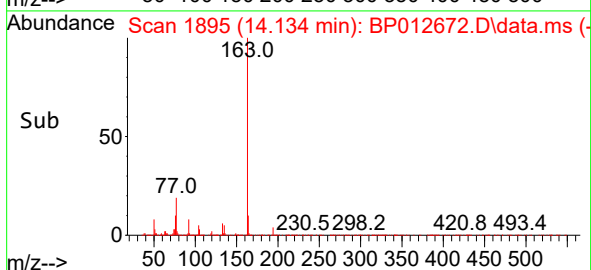
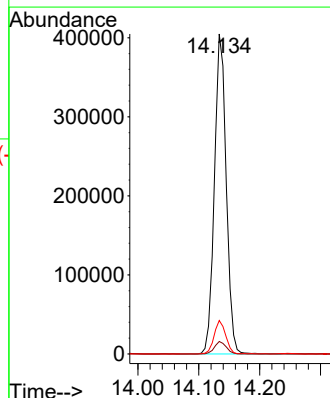
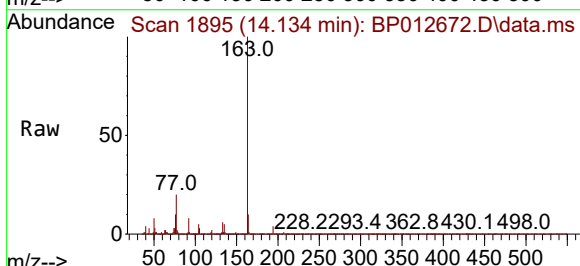
Tgt Ion:163 Resp: 544689

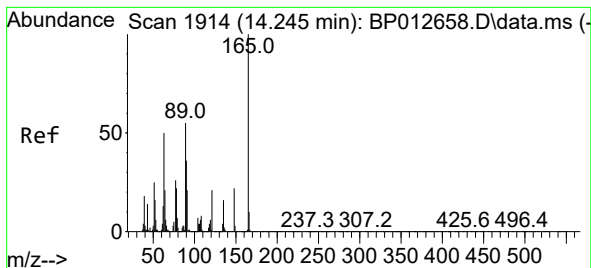
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.5 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 8.811 ng

RT: 14.251 min Scan# 1914

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

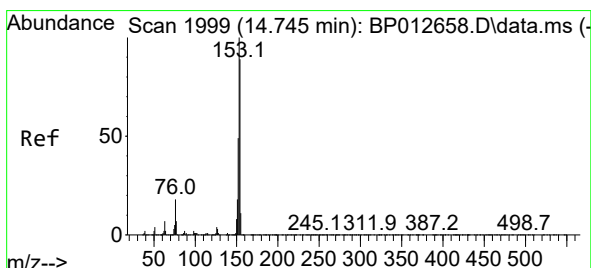
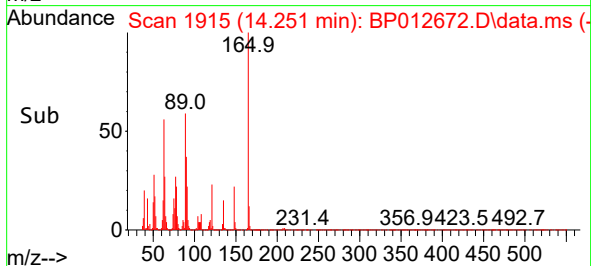
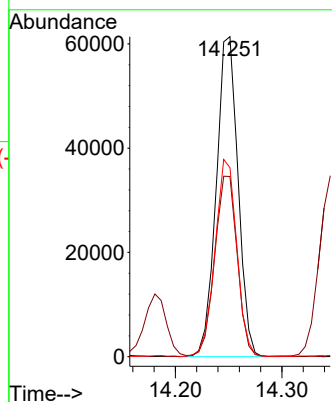
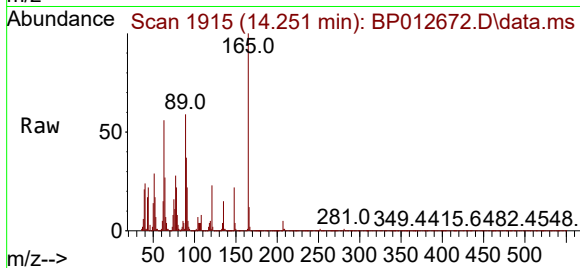
Tgt Ion:165 Resp: 86973

Ion Ratio Lower Upper

165 100

63 56.3 42.6 63.8

89 59.1 44.0 66.0



#52

Acenaphthene

Concen: 9.985 ng

RT: 14.745 min Scan# 1999

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

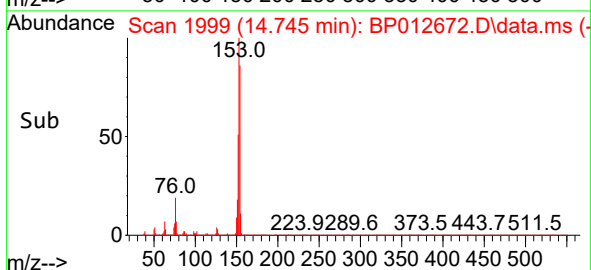
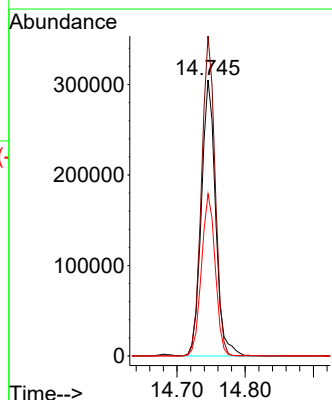
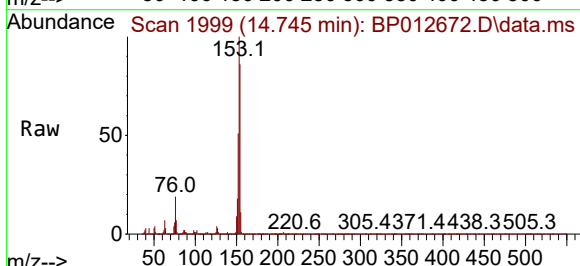
Tgt Ion:154 Resp: 441315

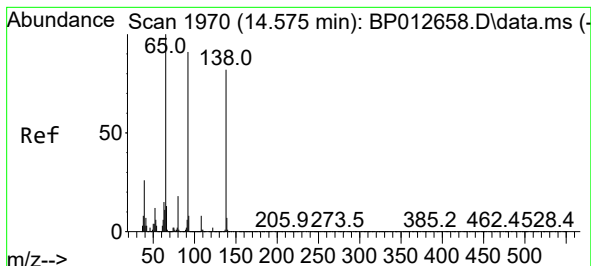
Ion Ratio Lower Upper

154 100

153 115.9 90.2 135.2

152 58.7 43.9 65.9





#53

3-Nitroaniline

Concen: 7.519 ng

RT: 14.575 min Scan# 1970

Delta R.T. -0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

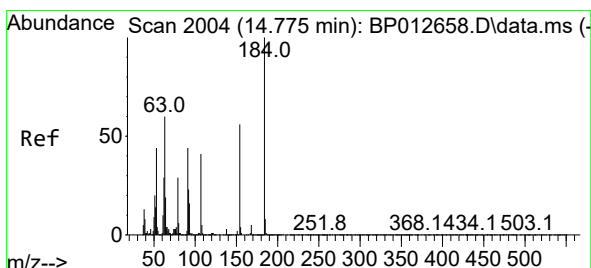
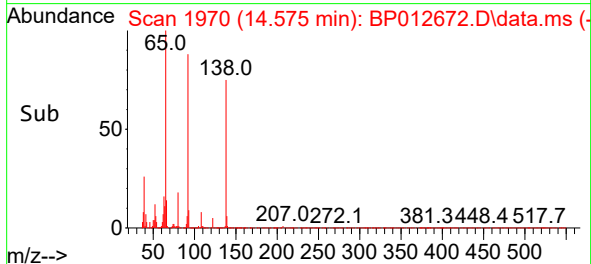
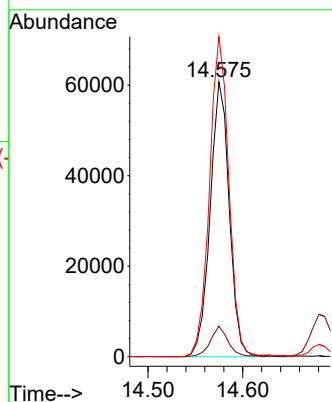
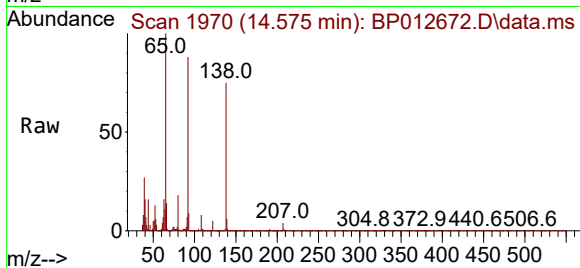
Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:138	Resp:	84994
Ion Ratio	Lower	Upper
138	100	
108	11.1	8.2 12.2
92	116.5	89.1 133.7



#54

2,4-Dinitrophenol

Concen: 5.375 ng

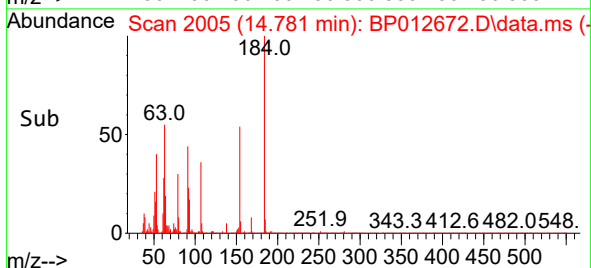
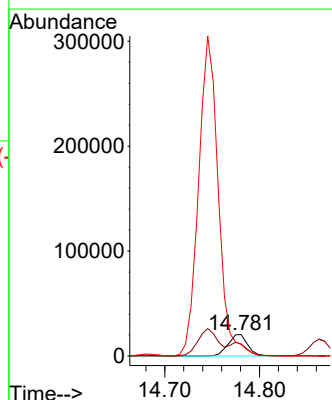
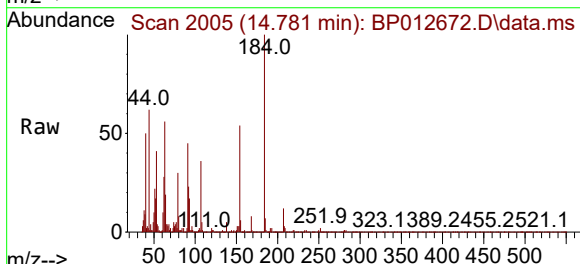
RT: 14.781 min Scan# 2005

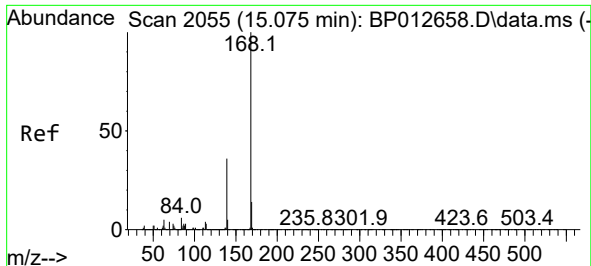
Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:184	Resp:	29459
Ion Ratio	Lower	Upper
184	100	
63	55.7	48.0 72.0
154	53.7	47.1 70.7

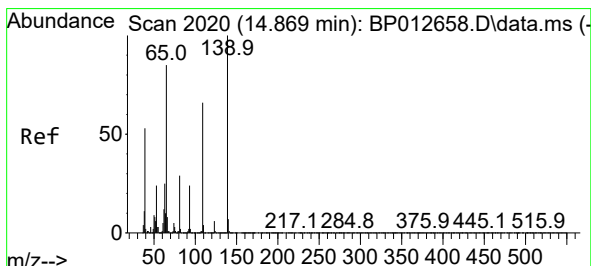
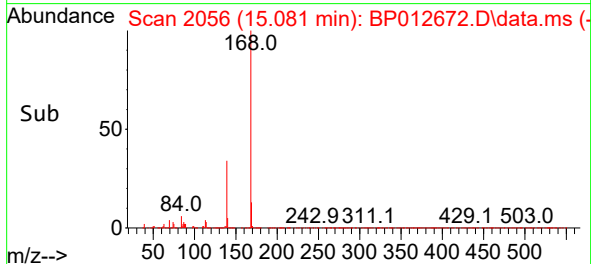
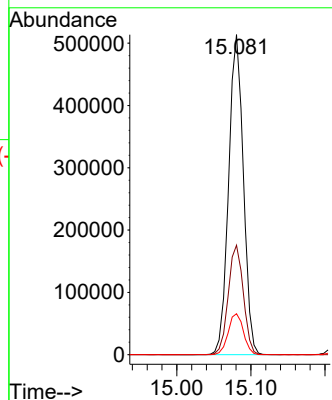
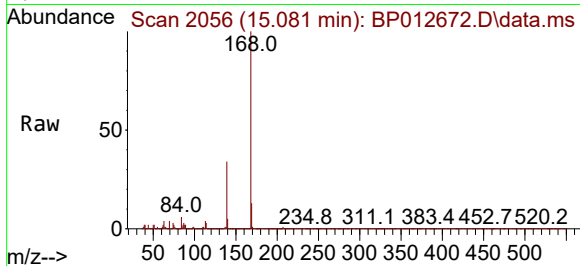




#55
Dibenzenofuran
Concen: 10.618 ng
RT: 15.081 min Scan# 2056
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

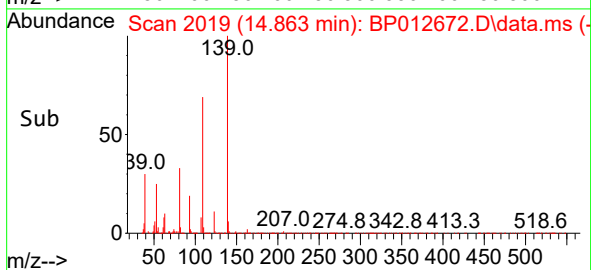
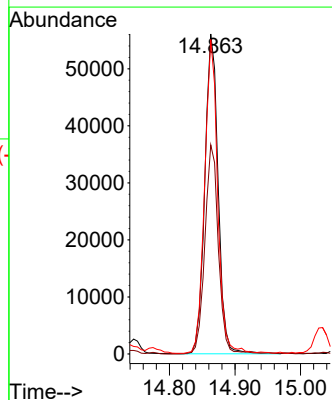
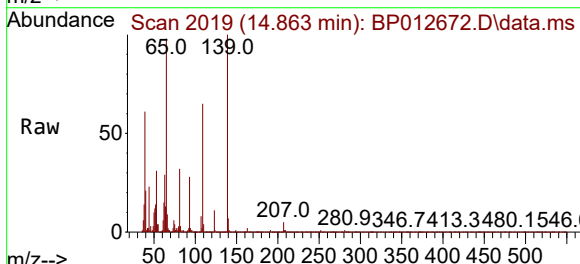
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

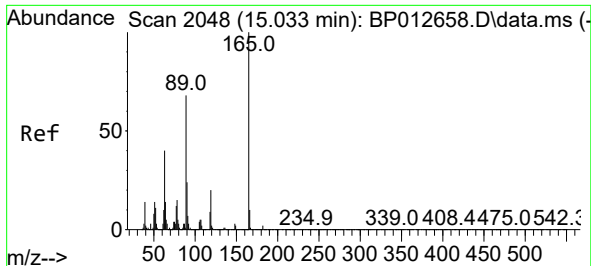
Tgt Ion:168 Resp: 708428
Ion Ratio Lower Upper
168 100
139 34.2 29.0 43.6
169 12.8 11.0 16.4



#56
4-Nitrophenol
Concen: 7.525 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:139 Resp: 79627
Ion Ratio Lower Upper
139 100
109 65.3 45.7 85.7
65 98.3 65.4 105.4

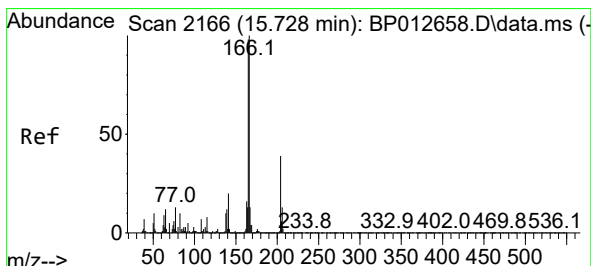
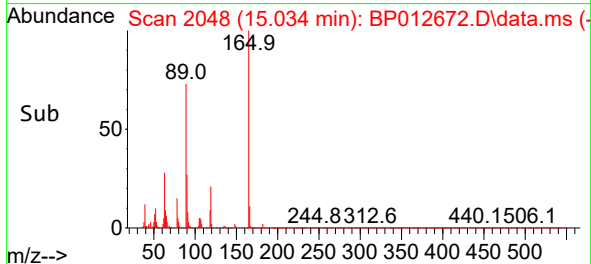
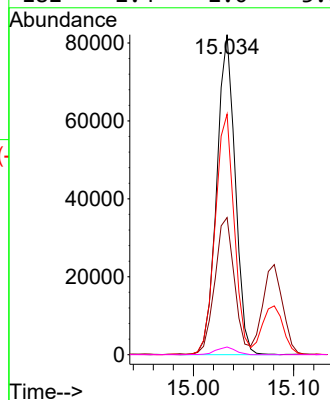
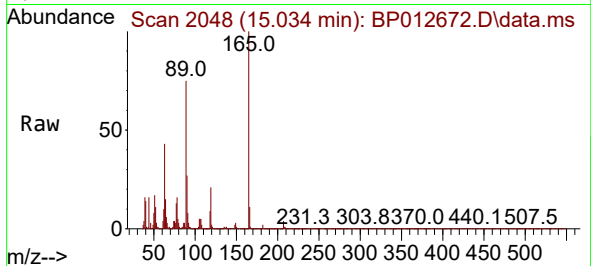




#57
2,4-Dinitrotoluene
Concen: 7.979 ng
RT: 15.034 min Scan# 2048
Delta R.T. 0.001 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

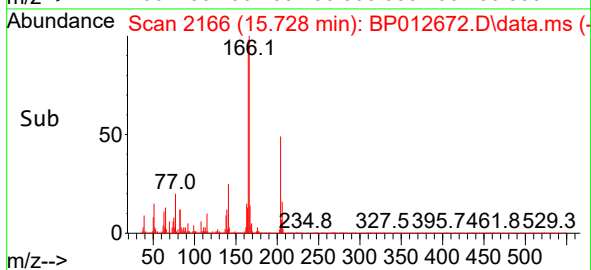
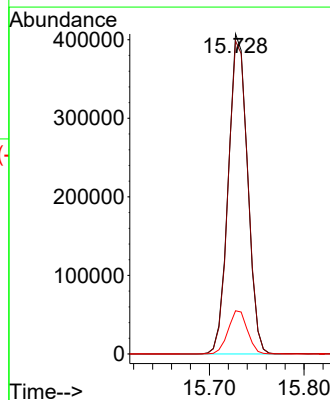
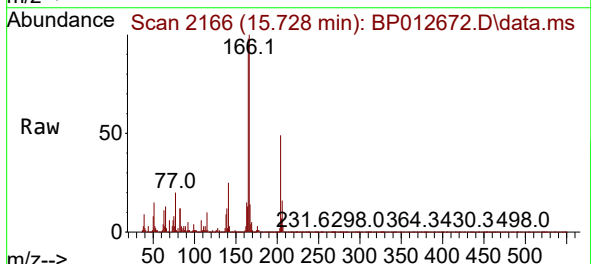
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

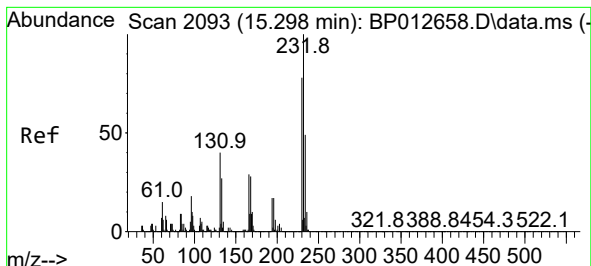
Tgt Ion:165 Resp: 104755
Ion Ratio Lower Upper
165 100
63 42.8 32.0 48.0
89 75.2 54.1 81.1
182 2.4 2.0 3.0



#58
Fluorene
Concen: 10.935 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:166 Resp: 574265
Ion Ratio Lower Upper
166 100
165 97.8 78.8 118.2
167 13.5 10.8 16.2

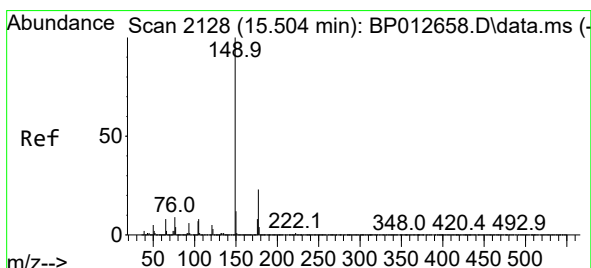
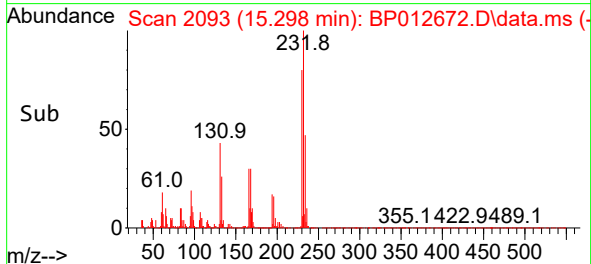
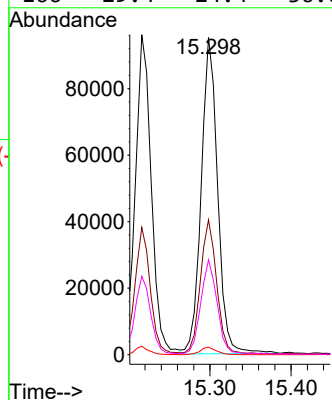
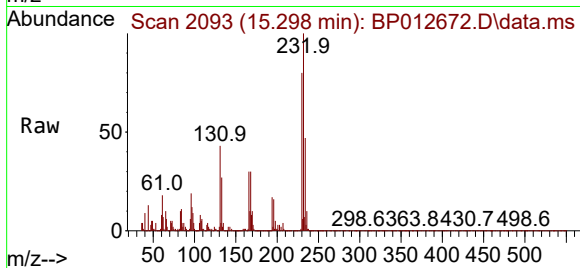




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.064 ng
RT: 15.298 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

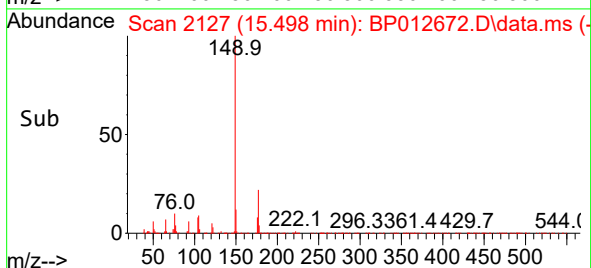
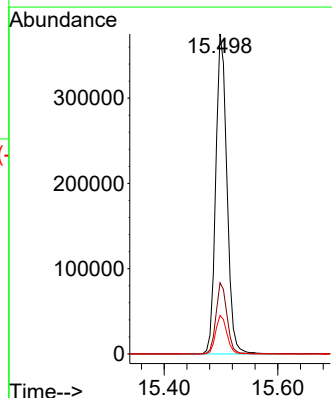
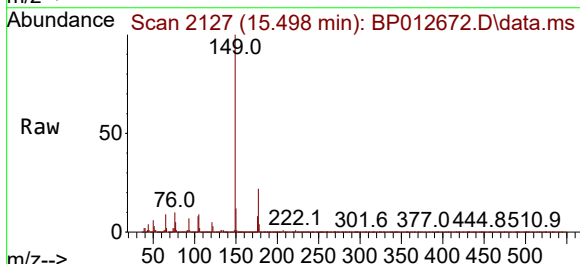
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

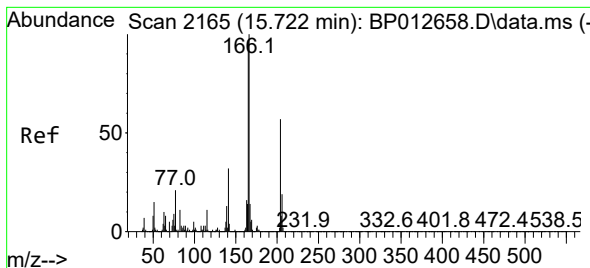
Tgt Ion:	232	Resp:	133961
Ion Ratio	Lower	Upper	
232	100		
131	42.3	34.3	51.5
130	2.3	1.8	2.6
166	29.4	24.4	36.6



#60
Diethylphthalate
Concen: 9.241 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:	149	Resp:	511676
Ion Ratio	Lower	Upper	
149	100		
177	22.2	18.2	27.4
150	12.0	9.8	14.6

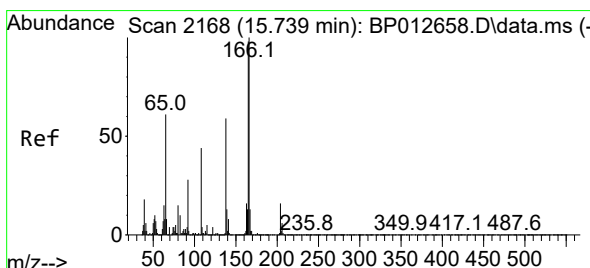
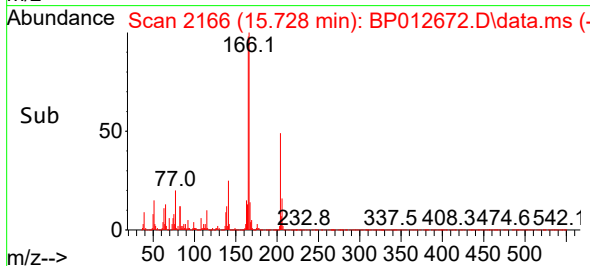
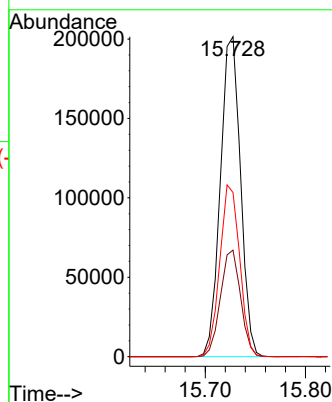
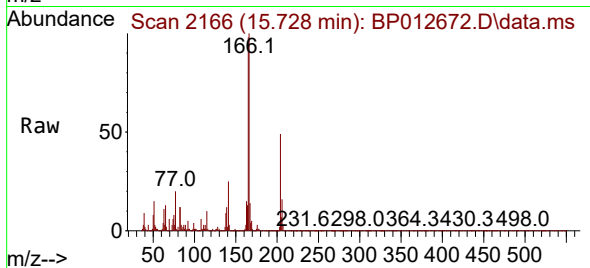




#61
4-Chlorophenyl-phenylether
Concen: 11.110 ng
RT: 15.728 min Scan# 2165
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

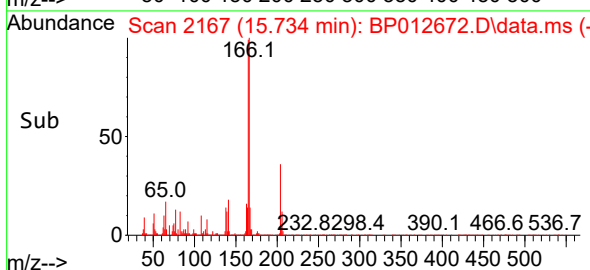
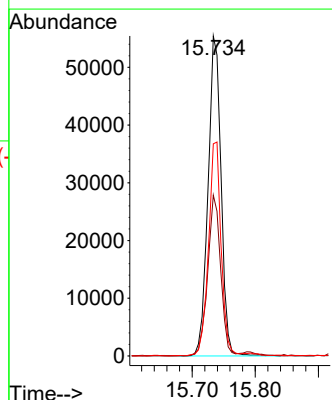
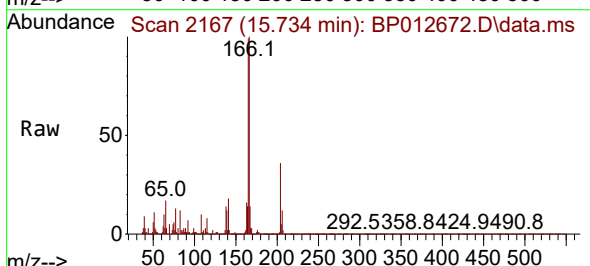
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

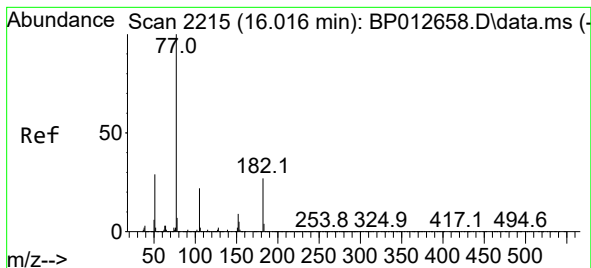
Tgt Ion:204 Resp: 280433
Ion Ratio Lower Upper
204 100
206 33.3 26.9 40.3
141 51.3 44.3 66.5



#62
4-Nitroaniline
Concen: 7.177 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:138 Resp: 79360
Ion Ratio Lower Upper
138 100
92 50.2 28.2 68.2
108 66.3 53.7 93.7





#63

Azobenzene

Concen: 10.560 ng

RT: 16.016 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 77 Resp: 534193

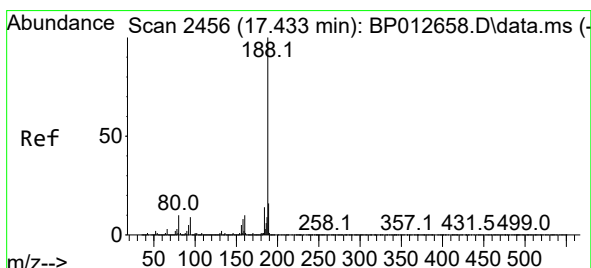
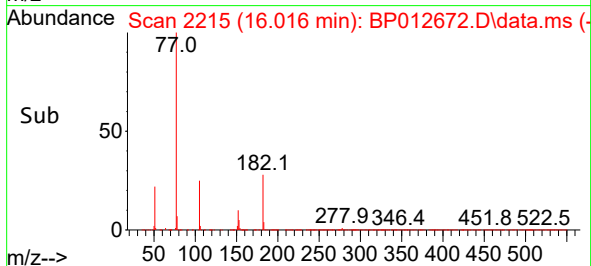
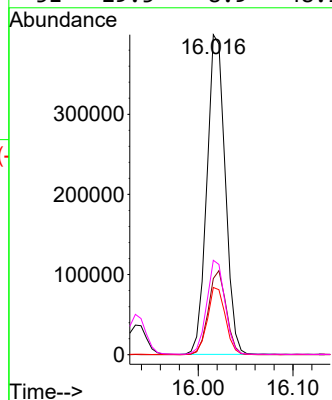
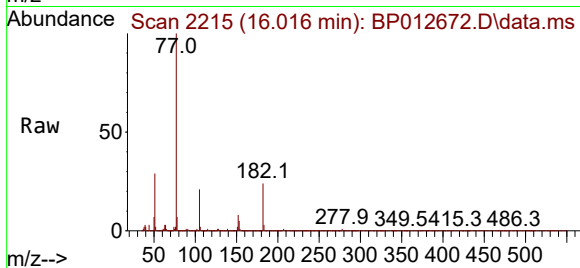
Ion Ratio Lower Upper

77 100

182 23.8 7.1 47.1

105 21.0 1.9 41.9

51 29.5 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: BP012672.D

Acq: 18 Nov 2022 14:39

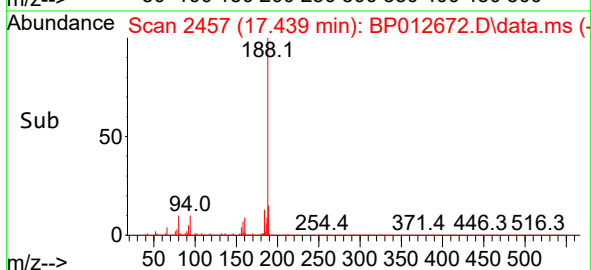
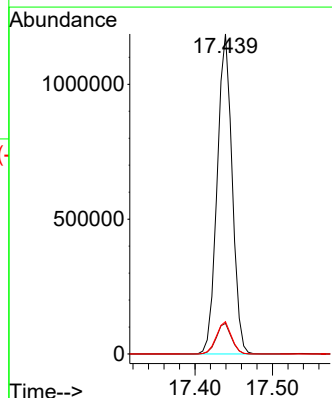
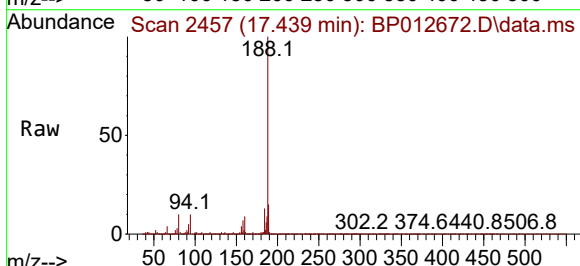
Tgt Ion: 188 Resp: 1591854

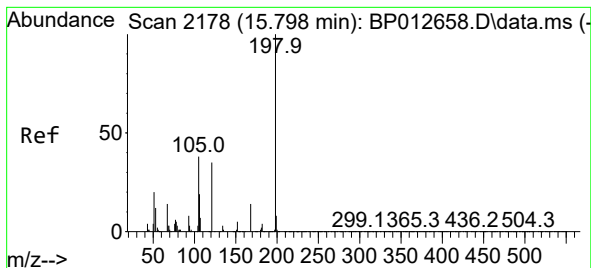
Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.1 8.2 12.2

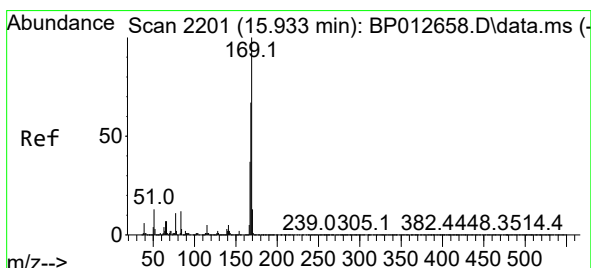
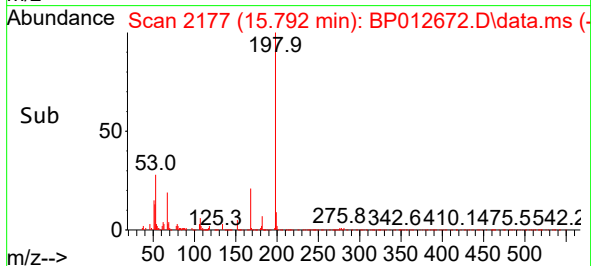
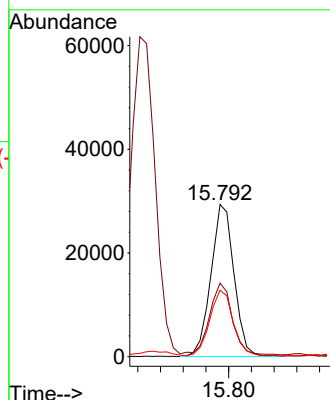
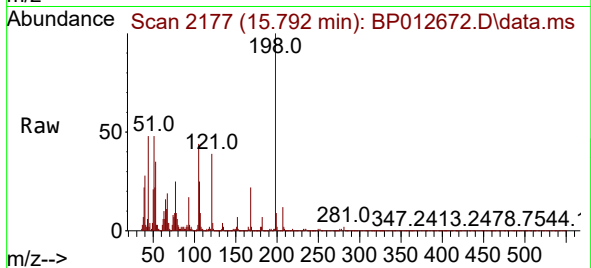




#65
4,6-Dinitro-2-methylphenol
Concen: 5.293 ng
RT: 15.792 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

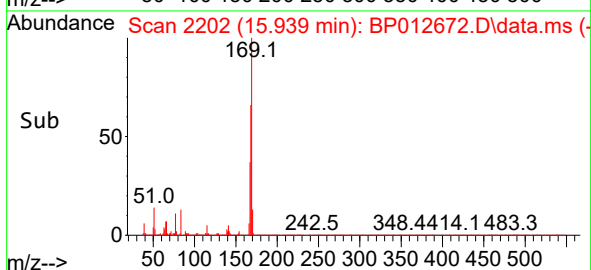
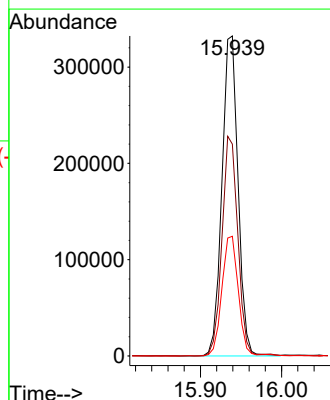
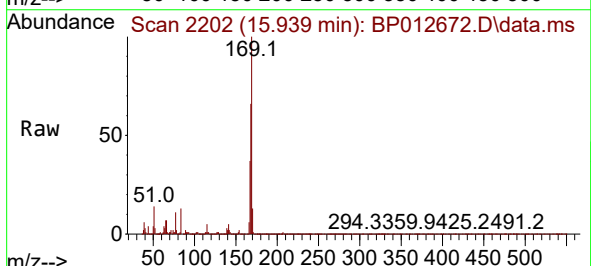
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

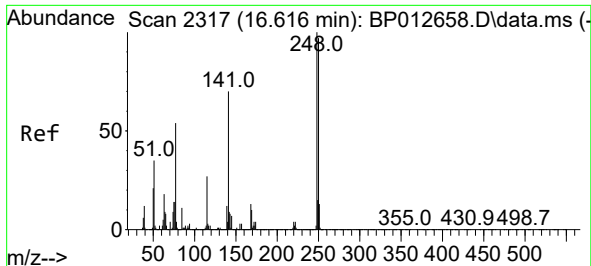
Tgt Ion:198 Resp: 41376
Ion Ratio Lower Upper
198 100
51 48.3 18.2 58.2
105 43.6 19.6 59.6



#66
n-Nitrosodiphenylamine
Concen: 9.658 ng
RT: 15.939 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:169 Resp: 458161
Ion Ratio Lower Upper
169 100
168 66.2 53.5 80.3
167 37.4 29.3 43.9

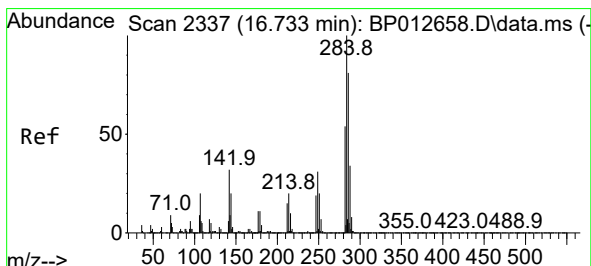
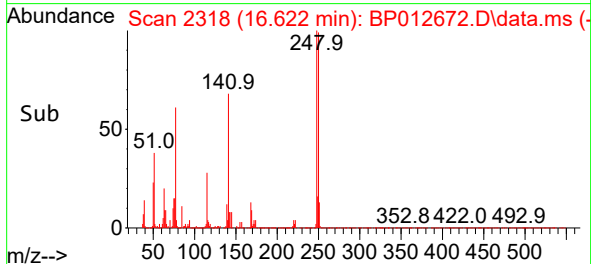
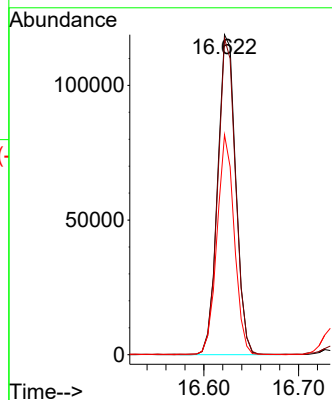
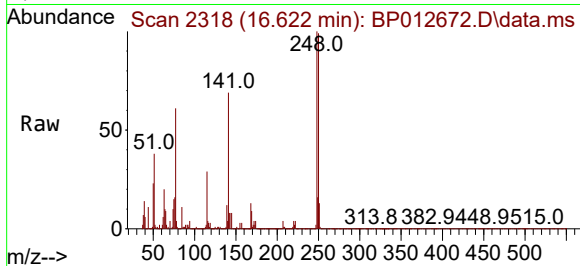




#67
4-Bromophenyl-phenylether
Concen: 9.481 ng
RT: 16.622 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

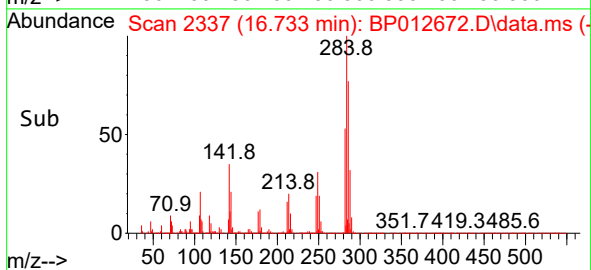
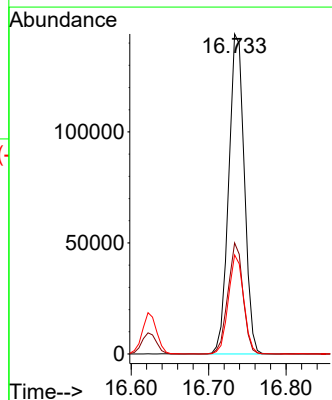
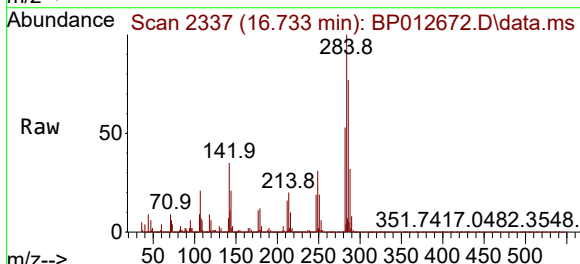
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

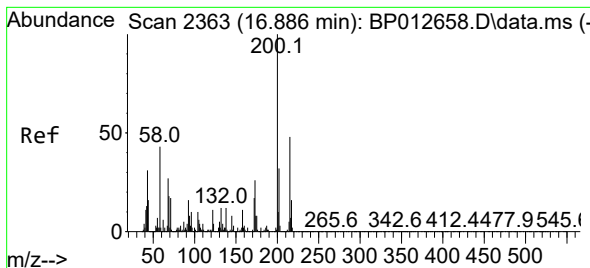
Tgt Ion:248 Resp: 157808
Ion Ratio Lower Upper
248 100
250 98.8 77.4 116.2
141 68.7 55.6 83.4



#68
Hexachlorobenzene
Concen: 10.458 ng
RT: 16.733 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:284 Resp: 201875
Ion Ratio Lower Upper
284 100
142 34.7 25.8 38.6
249 31.0 25.0 37.4





#69

Atrazine

Concen: 9.439 ng

RT: 16.892 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

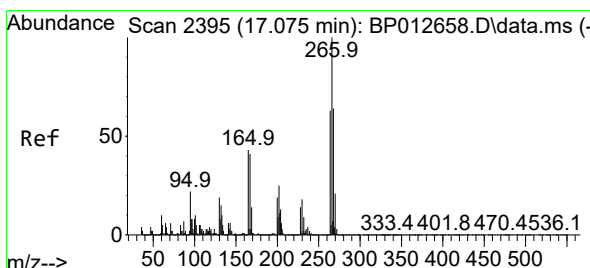
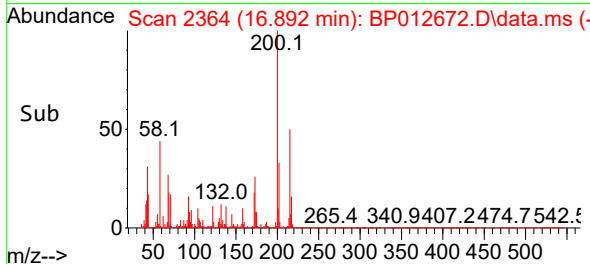
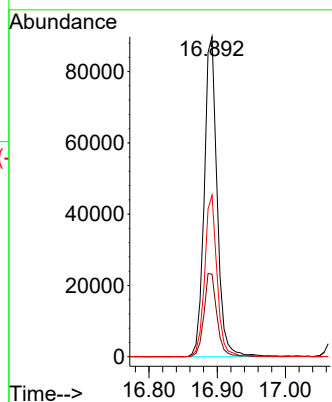
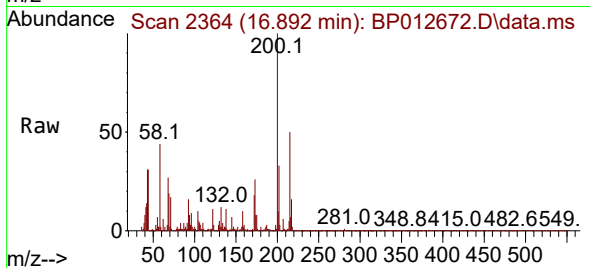
Tgt Ion:200 Resp: 117992

Ion Ratio Lower Upper

200 100

173 25.7 6.2 46.2

215 50.4 28.4 68.4



#70

Pentachlorophenol

Concen: 8.634 ng

RT: 17.081 min Scan# 2396

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

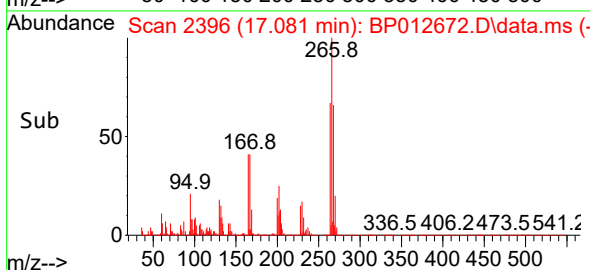
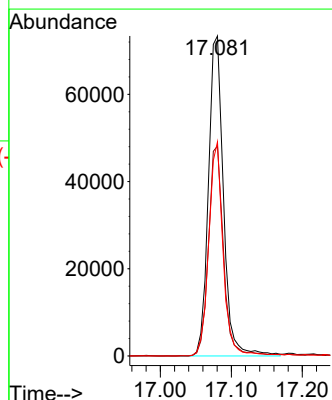
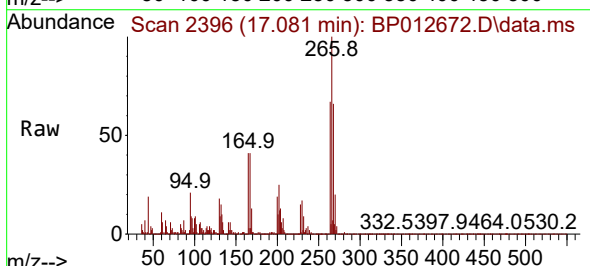
Tgt Ion:266 Resp: 108177

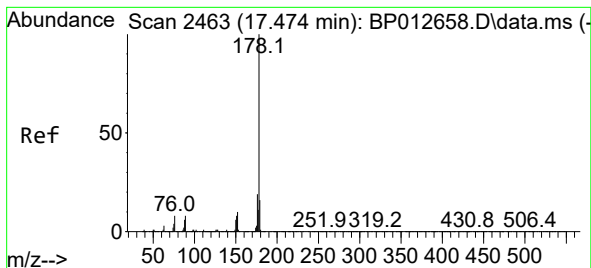
Ion Ratio Lower Upper

266 100

268 65.6 51.4 77.0

264 66.9 50.6 75.8





#71

Phenanthrene

Concen: 10.289 ng

RT: 17.481 min Scan# 2463

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

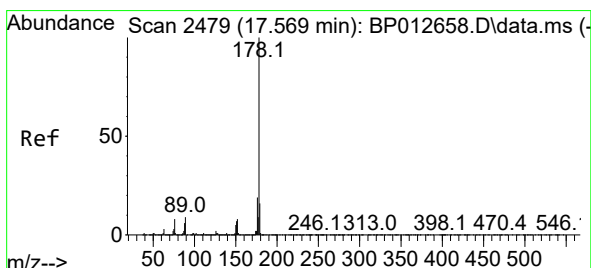
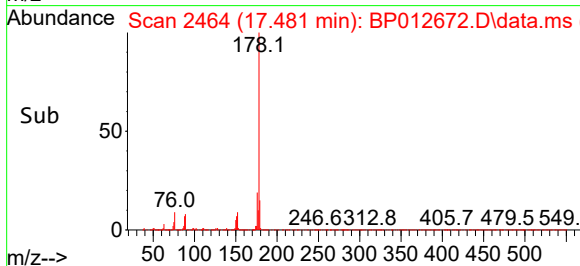
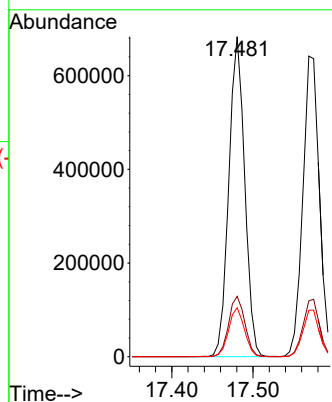
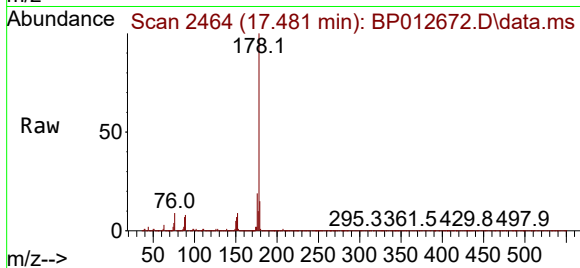
Tgt Ion:178 Resp: 929033

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 15.3 12.5 18.7



#72

Anthracene

Concen: 10.425 ng

RT: 17.569 min Scan# 2479

Delta R.T. -0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

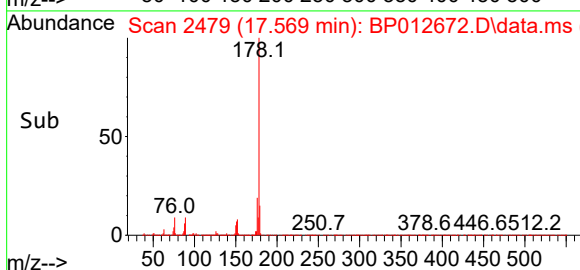
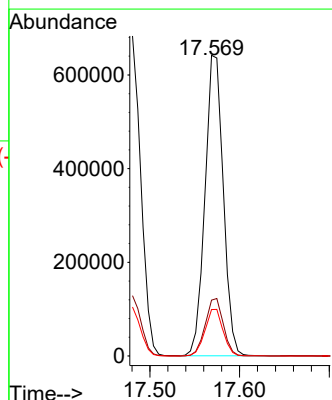
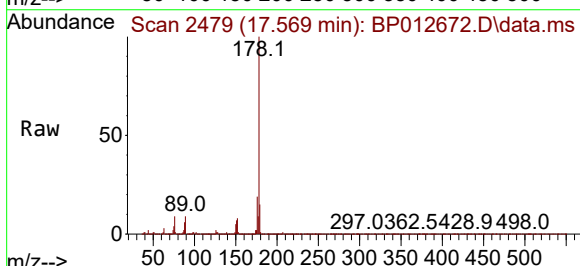
Tgt Ion:178 Resp: 908167

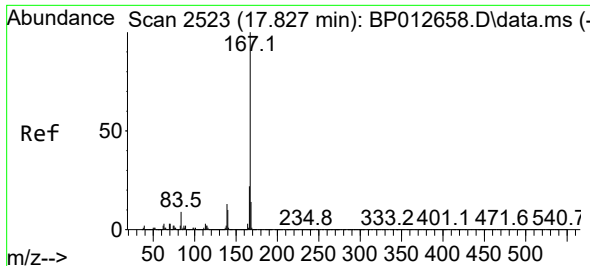
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.5 12.8 19.2

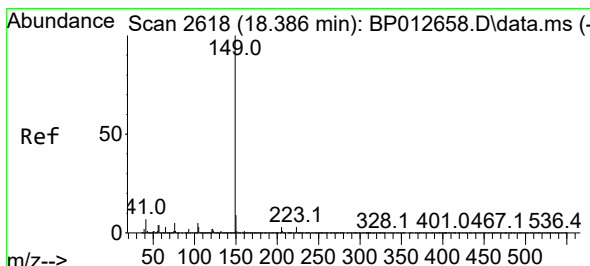
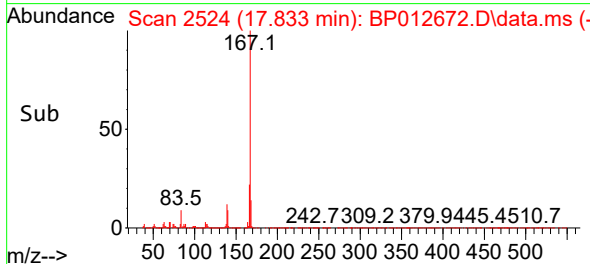
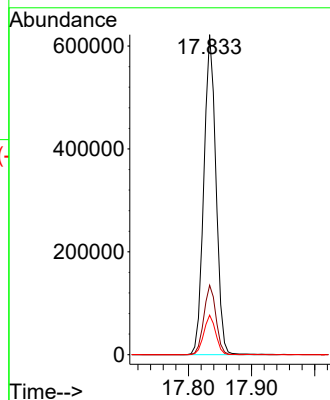
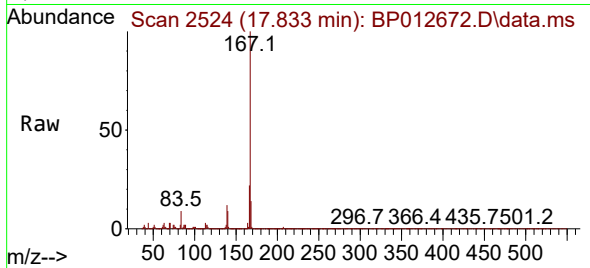




#73
Carbazole
Concen: 10.022 ng
RT: 17.833 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

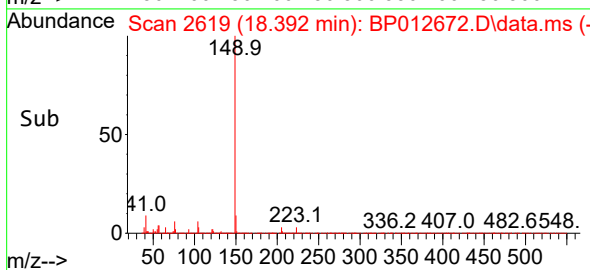
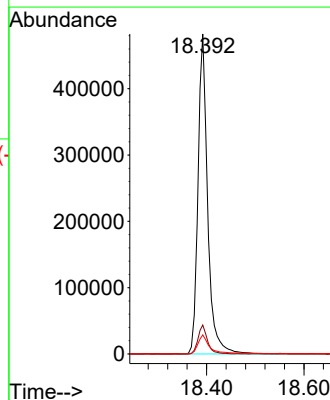
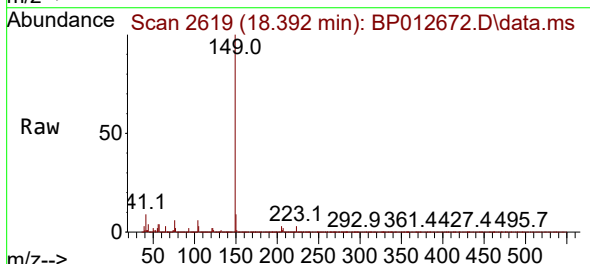
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

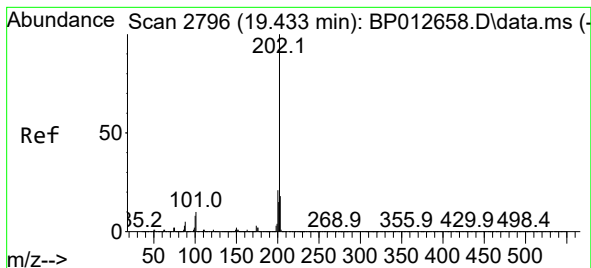
Tgt Ion:167 Resp: 829189
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.2
139 12.4 10.2 15.2



#74
Di-n-butylphthalate
Concen: 7.736 ng
RT: 18.392 min Scan# 2619
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:149 Resp: 667268
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 5.9 4.0 6.0





#75

Fluoranthene

Concen: 10.076 ng

RT: 19.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

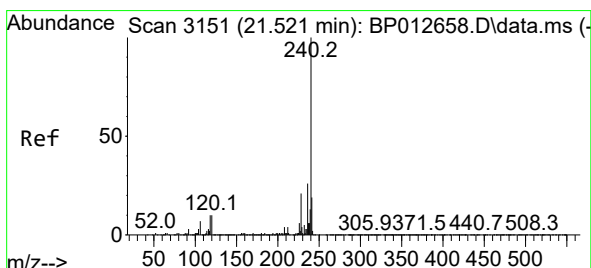
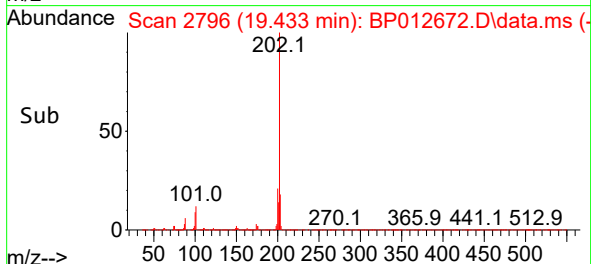
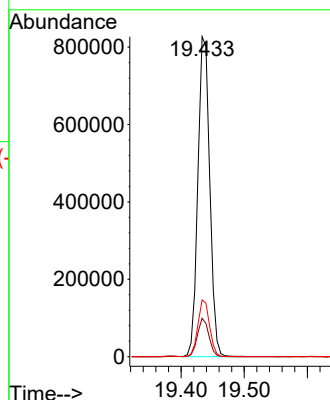
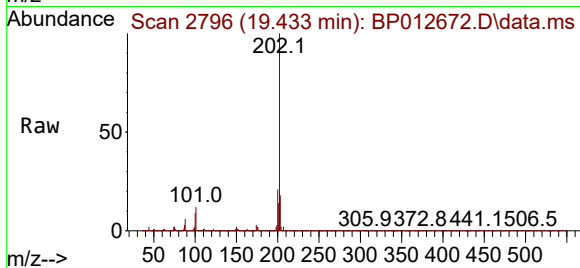
Tgt Ion:202 Resp: 1077814

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.4

203 17.8 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

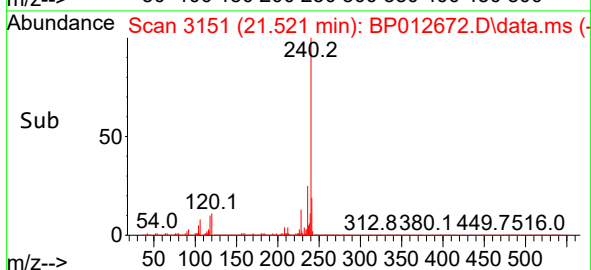
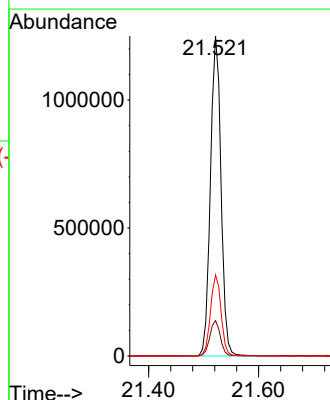
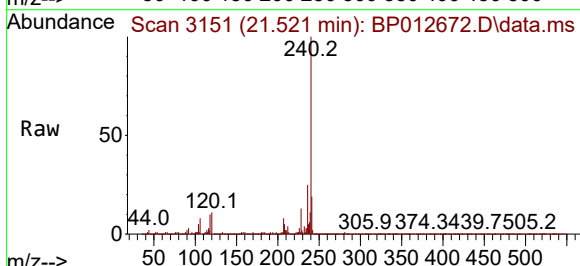
Tgt Ion:240 Resp: 1664711

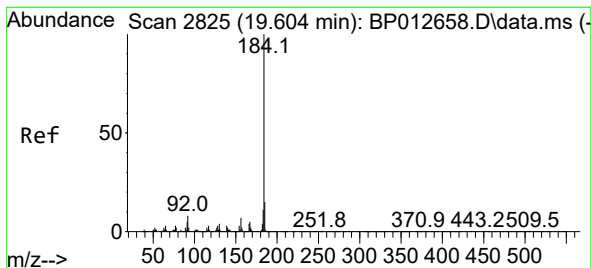
Ion Ratio Lower Upper

240 100

120 11.0 8.2 12.2

236 25.4 20.4 30.6





#77

Benzidine

Concen: 7.363 ng

RT: 19.610 min Scan# 2825

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

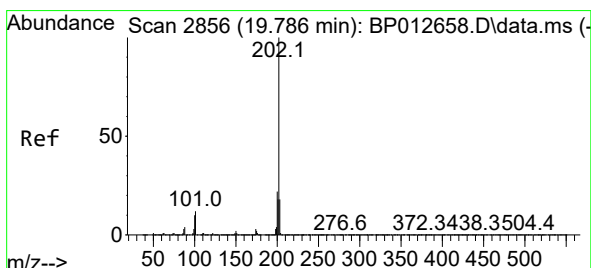
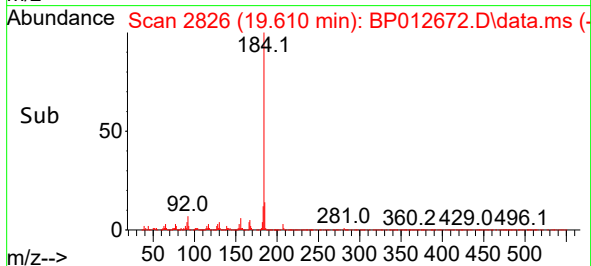
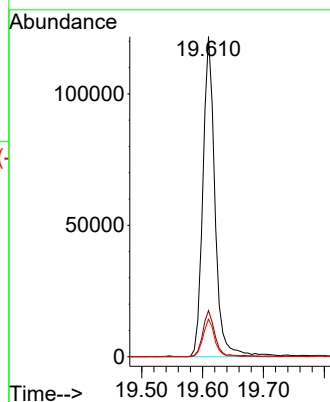
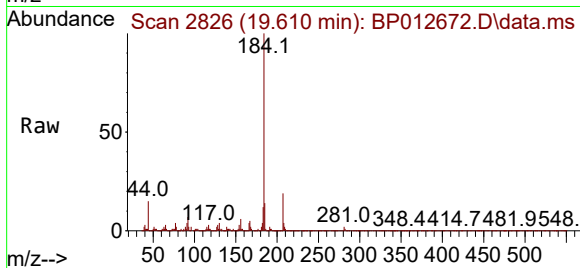
Tgt Ion:184 Resp: 168503

Ion Ratio Lower Upper

184 100

185 14.4 12.2 18.2

183 11.7 9.0 13.4



#78

Pyrene

Concen: 9.456 ng

RT: 19.786 min Scan# 2856

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

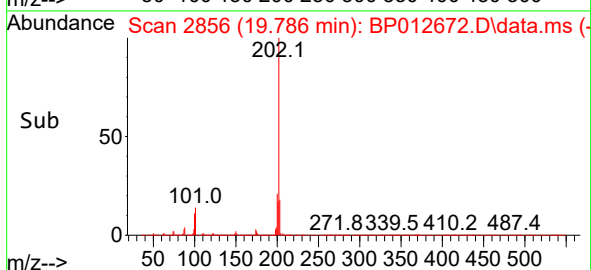
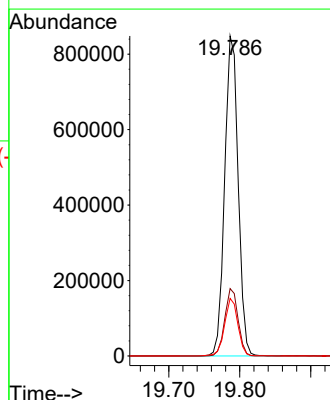
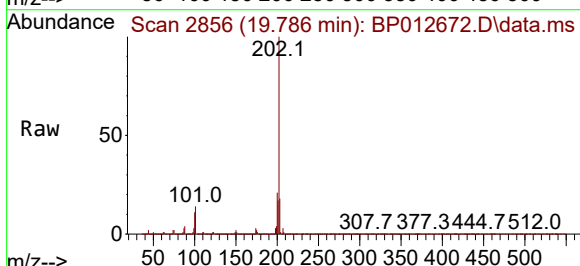
Tgt Ion:202 Resp: 1112397

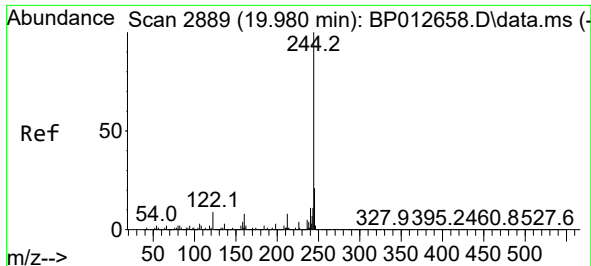
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.0

203 18.0 14.3 21.5

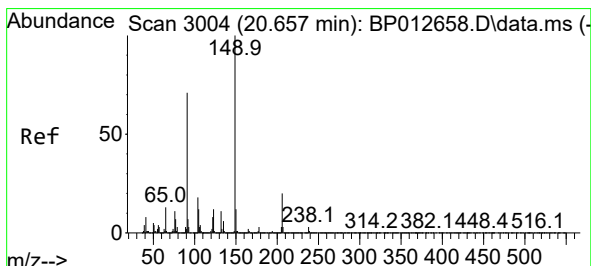
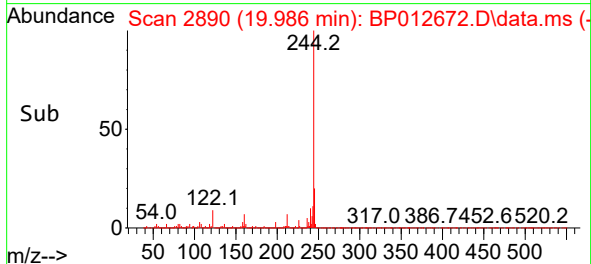
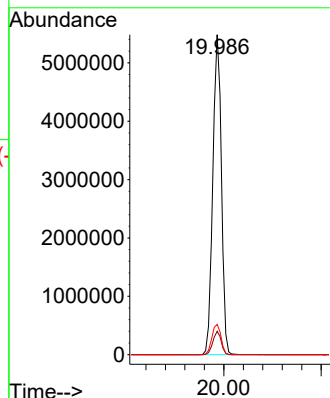
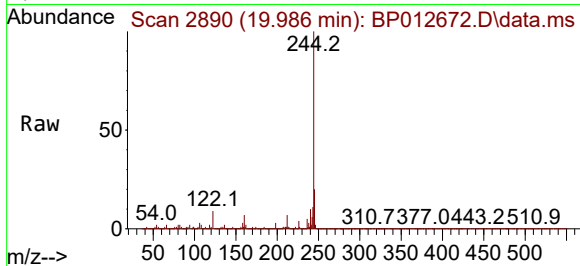




#79
 Terphenyl-d14
 Concen: 86.495 ng
 RT: 19.986 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP012672.D
 Acq: 18 Nov 2022 14:39

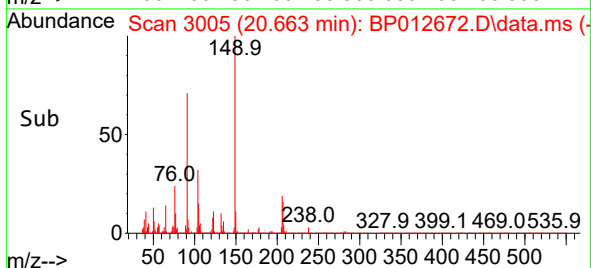
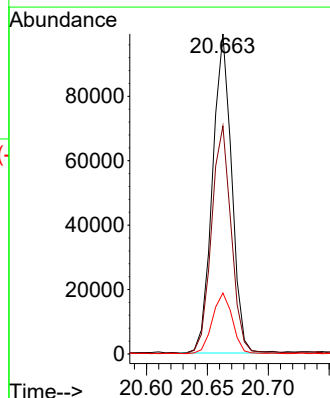
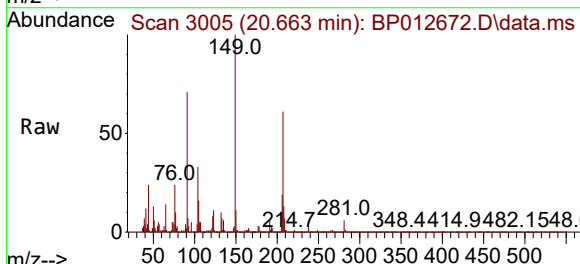
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

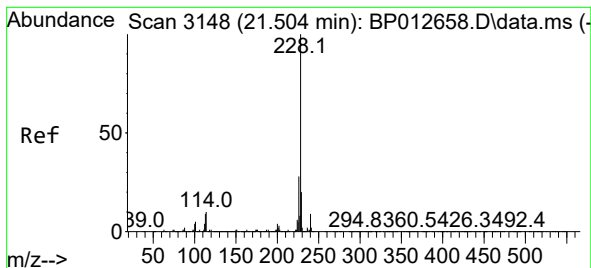
Tgt Ion:244 Resp: 6664260
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 9.4 7.5 11.3



#80
 Butylbenzylphthalate
 Concen: 5.104 ng
 RT: 20.663 min Scan# 3005
 Delta R.T. 0.006 min
 Lab File: BP012672.D
 Acq: 18 Nov 2022 14:39

Tgt Ion:149 Resp: 108368
 Ion Ratio Lower Upper
 149 100
 91 71.3 56.9 85.3
 206 19.1 16.1 24.1





#81

Benzo(a)anthracene

Concen: 9.565 ng

RT: 21.504 min Scan# 3148

Delta R.T. -0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

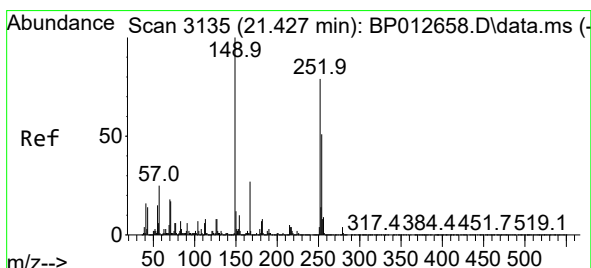
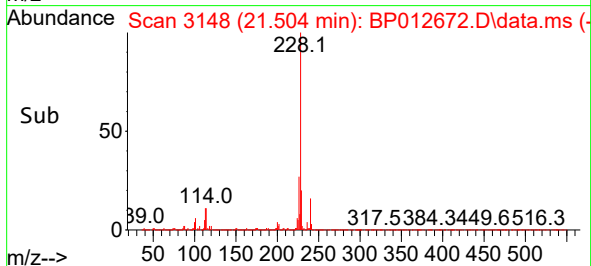
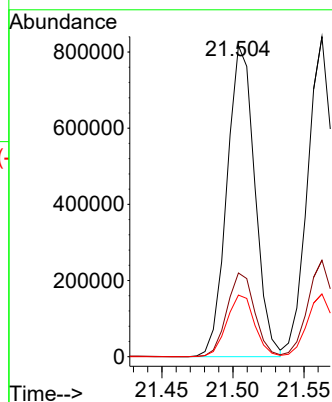
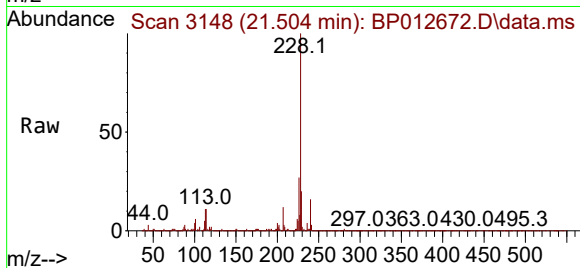
Tgt Ion:228 Resp: 1116279

Ion Ratio Lower Upper

228 100

226 26.9 22.2 33.2

229 19.8 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 5.971 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

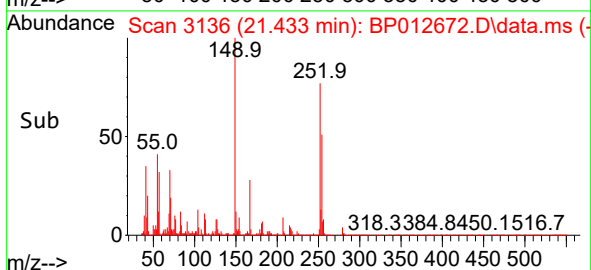
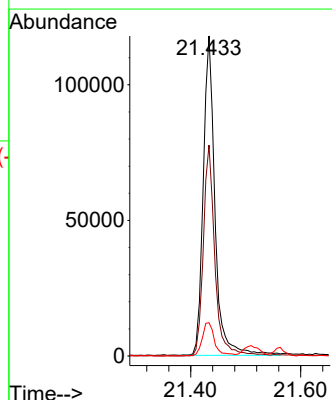
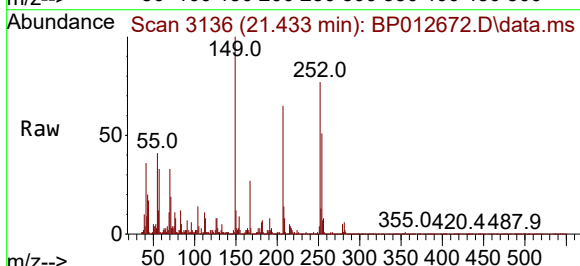
Tgt Ion:252 Resp: 175408

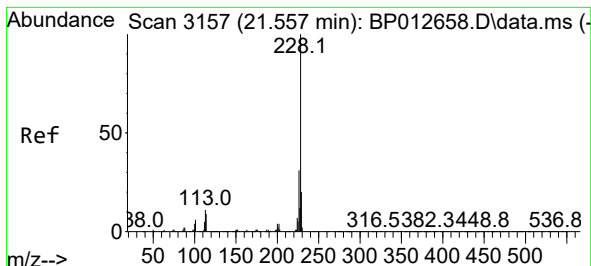
Ion Ratio Lower Upper

252 100

254 65.9 51.9 77.9

126 10.4 8.2 12.4





#83

Chrysene

Concen: 9.740 ng

RT: 21.563 min Scan# 3157

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

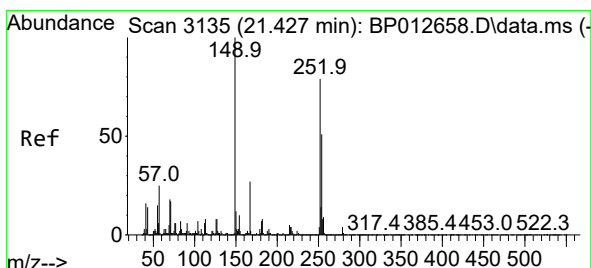
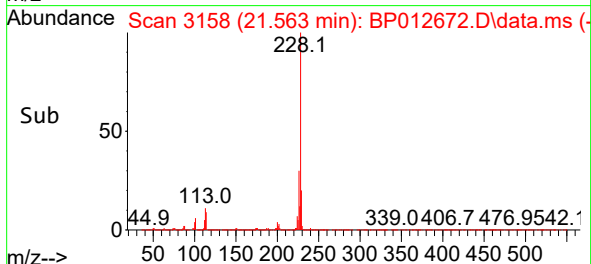
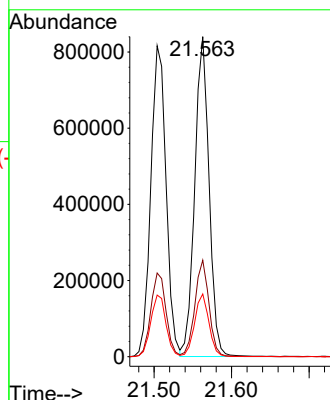
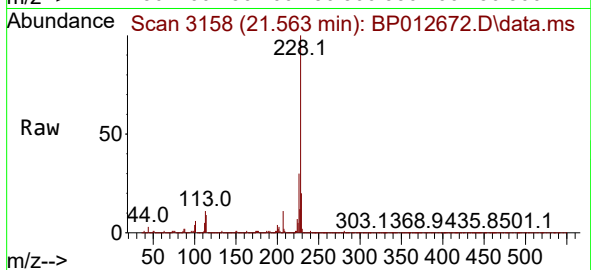
Tgt Ion:228 Resp: 1077927

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

229 19.6 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.953 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

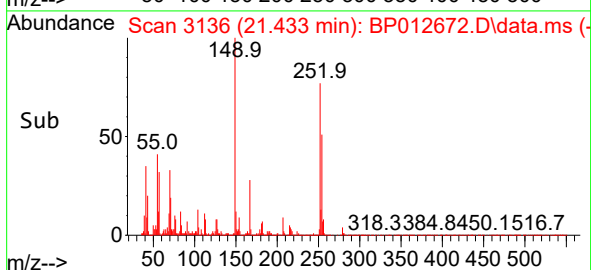
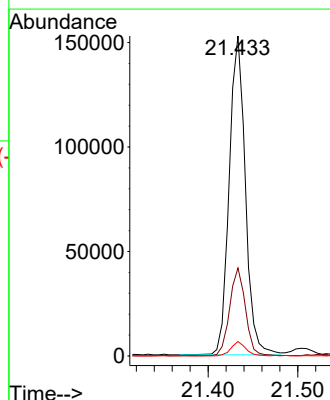
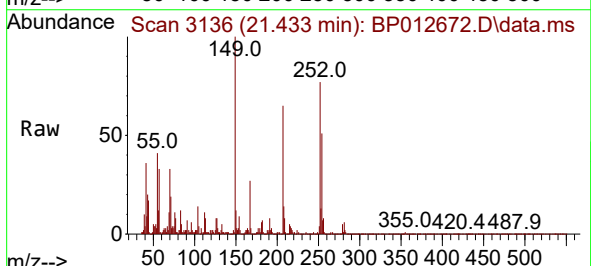
Tgt Ion:149 Resp: 190580

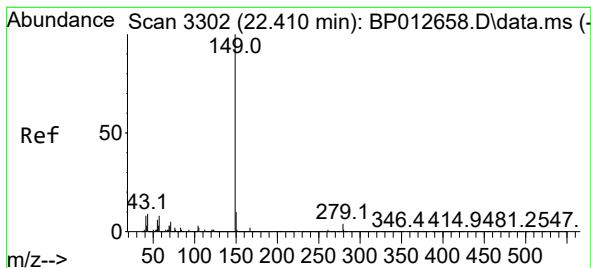
Ion Ratio Lower Upper

149 100

167 27.5 21.7 32.5

279 4.5 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 4.171 ng

RT: 22.410 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

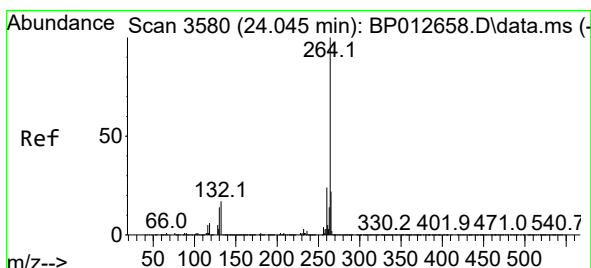
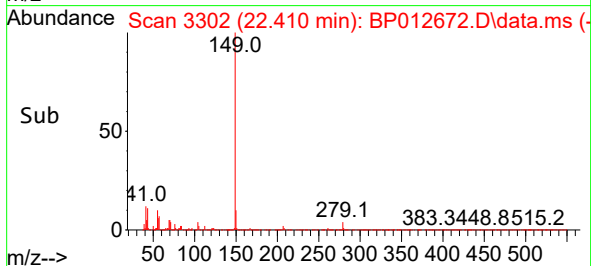
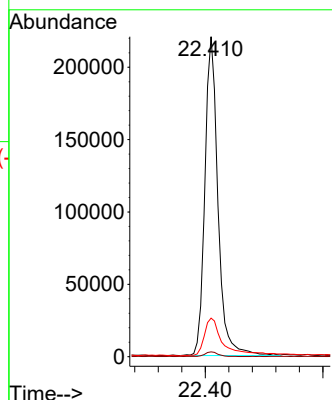
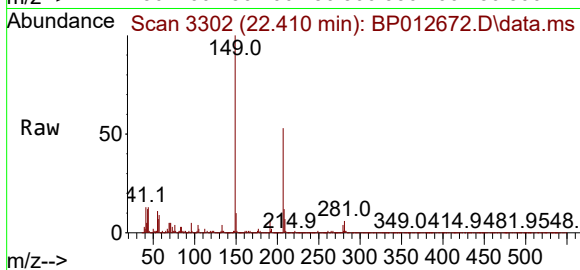
Tgt Ion:149 Resp: 339565

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 17.9 8.9 13.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.057 min Scan# 3582

Delta R.T. 0.012 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

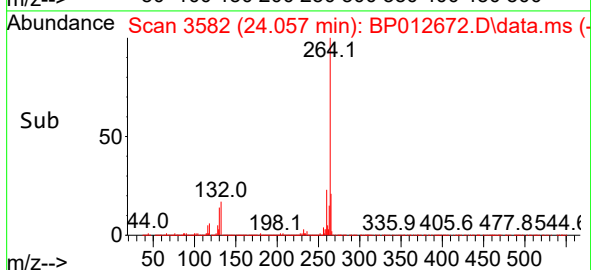
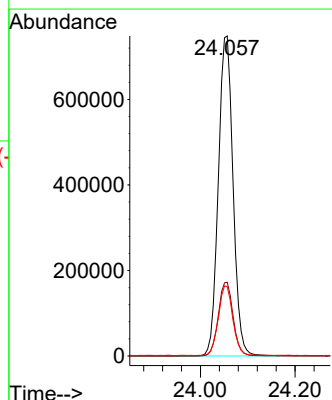
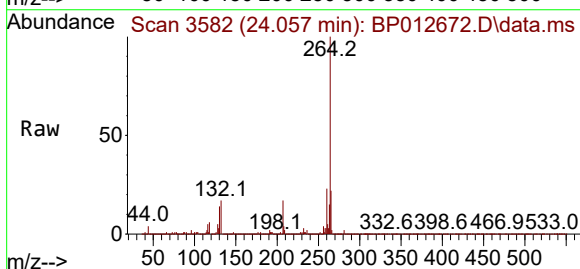
Tgt Ion:264 Resp: 1609162

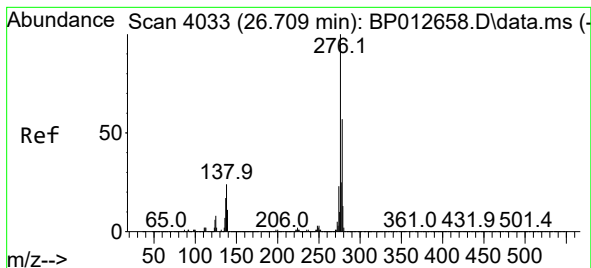
Ion Ratio Lower Upper

264 100

260 23.1 19.3 28.9

265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.047 ng

RT: 26.715 min Scan# 4033

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

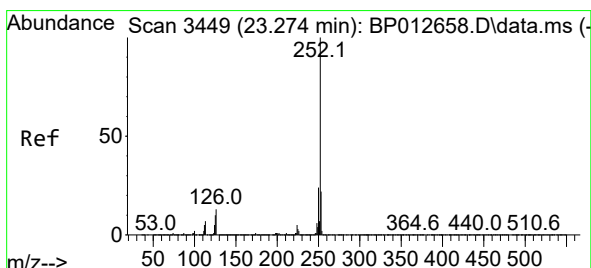
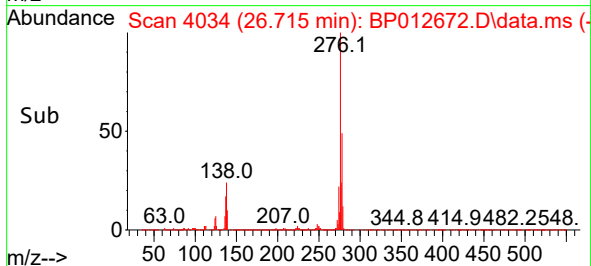
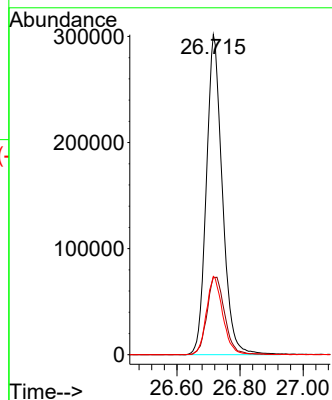
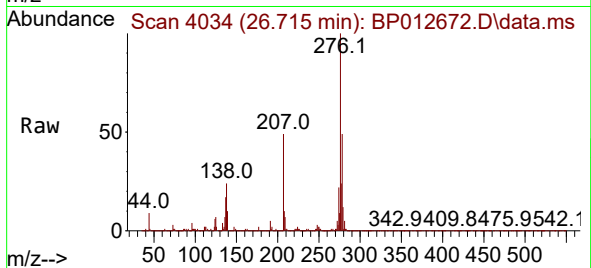
Tgt Ion:276 Resp: 1059835

Ion Ratio Lower Upper

276 100

138 26.9 20.8 31.2

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.988 ng

RT: 23.280 min Scan# 3450

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

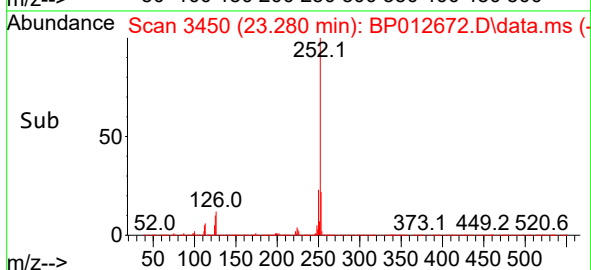
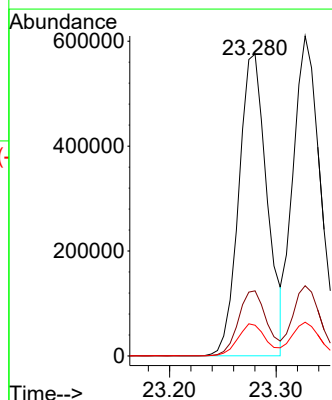
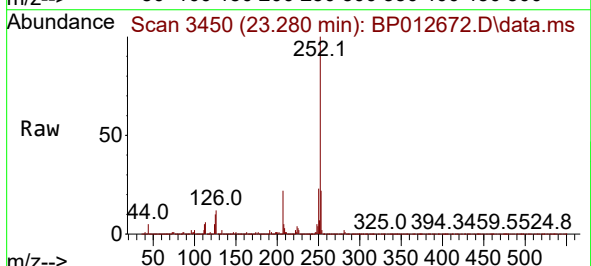
Tgt Ion:252 Resp: 1064091

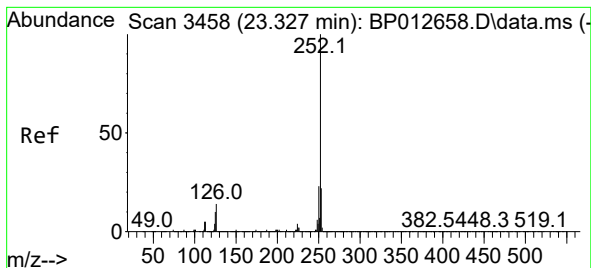
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 10.329 ng

RT: 23.327 min Scan# 34

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

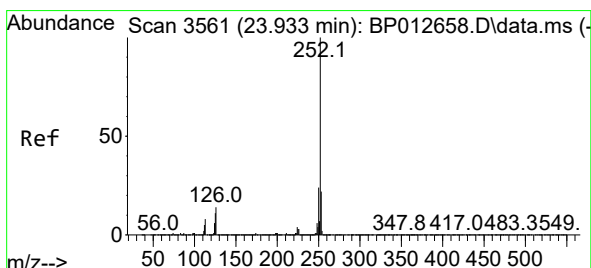
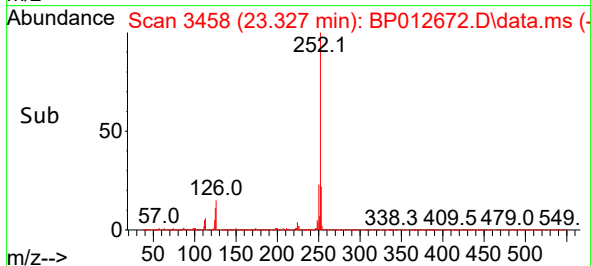
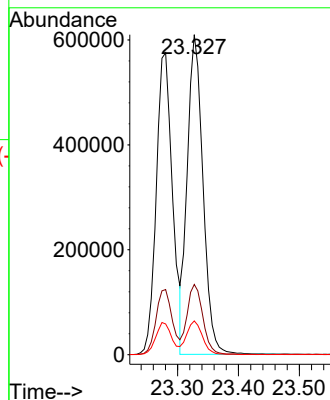
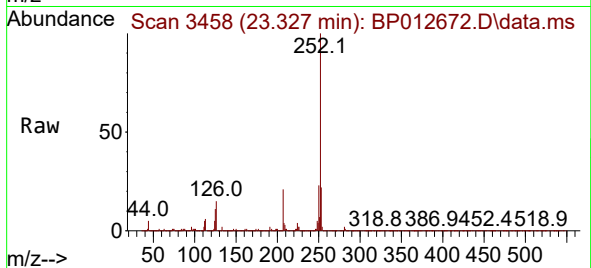
Tgt Ion:252 Resp: 1093319

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.6 7.9 11.9



#90

Benzo(a)pyrene

Concen: 9.897 ng

RT: 23.939 min Scan# 3562

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

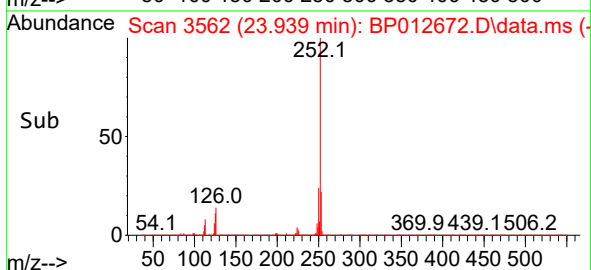
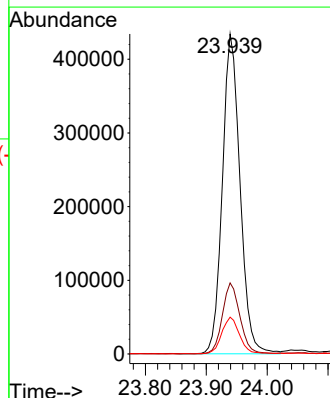
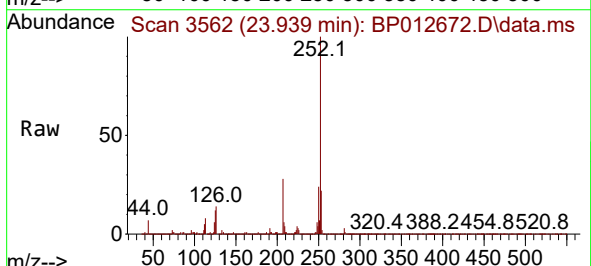
Tgt Ion:252 Resp: 874954

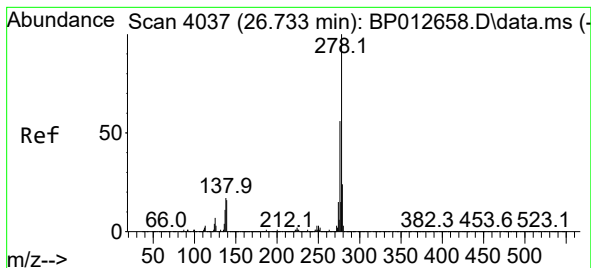
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 9.803 ng

RT: 26.739 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

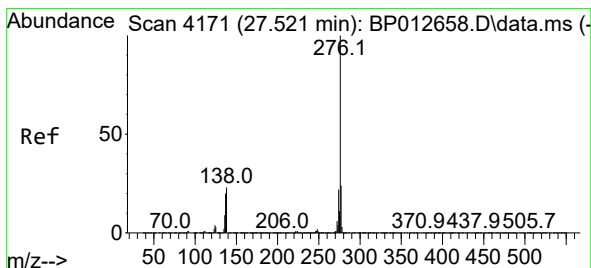
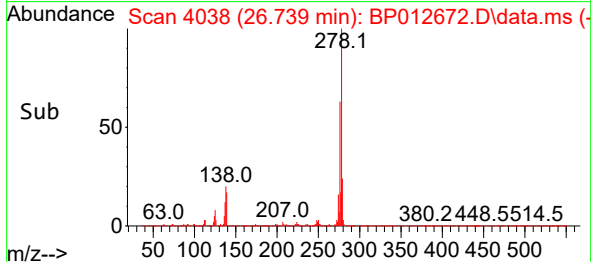
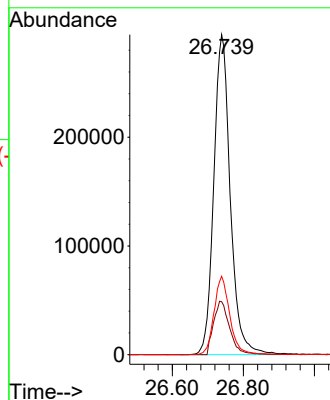
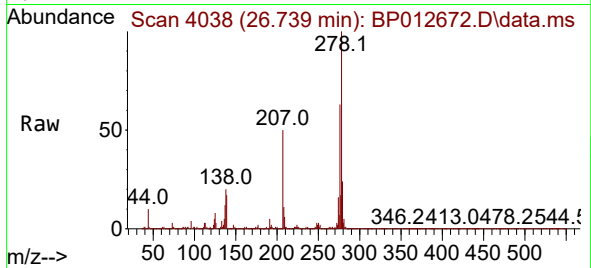
Tgt Ion:278 Resp: 949632

Ion Ratio Lower Upper

278 100

139 16.5 13.0 19.4

279 24.5 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 9.540 ng

RT: 27.527 min Scan# 4172

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:276 Resp: 897642

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 21.8 18.1 27.1

