

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
 Data File : BP013477.D
 Acq On : 16 Jan 2023 12:10
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Quant Time: Jan 17 03:42:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	429673	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1784303	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	1240157	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	2878511	20.000	ng	0.00
76) Chrysene-d12	21.410	240	3056914	20.000	ng	0.00
86) Perylene-d12	23.874	264	3695546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	2405495	98.343	ng	0.00
7) Phenol-d6	7.069	99	3286991	95.068	ng	0.00
23) Nitrobenzene-d5	9.081	82	2402624	71.538	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1896224	97.954	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	6196501	73.042	ng	0.00
79) Terphenyl-d14	19.875	244	10516051	70.330	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	77043	8.032	ng	98
3) Pyridine	3.752	79	205914	6.886	ng	98
4) n-Nitrosodimethylamine	3.658	42	109445	7.633	ng	# 94
6) Aniline	7.234	93	333761	7.224	ng	99
8) 2-Chlorophenol	7.469	128	214554	7.579	ng	99
9) Benzaldehyde	7.046	77	183142	8.775	ng	98
10) Phenol	7.099	94	273216	7.656	ng	96
11) bis(2-Chloroethyl)ether	7.328	93	217953	7.534	ng	98
12) 1,3-Dichlorobenzene	7.793	146	240535	8.065	ng	98
13) 1,4-Dichlorobenzene	7.940	146	246559	8.112	ng	99
14) 1,2-Dichlorobenzene	8.264	146	240287	8.092	ng	98
15) Benzyl Alcohol	8.152	79	186821	7.012	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.434	45	352164	7.868	ng	98
17) 2-Methylphenol	8.358	107	180416	6.829	ng	98
18) Hexachloroethane	8.993	117	85255	7.920	ng	100
19) n-Nitroso-di-n-propyla...	8.716	70	180248	7.304	ng	95
20) 3+4-Methylphenols	8.681	107	244680	6.666	ng	98
22) Acetophenone	8.740	105	353139	7.728	ng	# 98
24) Nitrobenzene	9.122	77	263940	7.598	ng	98
25) Isophorone	9.646	82	504502	7.298	ng	97
26) 2-Nitrophenol	9.834	139	116629	6.792	ng	98
27) 2,4-Dimethylphenol	9.893	122	192401	6.806	ng	99
28) bis(2-Chloroethoxy)met...	10.128	93	308032	7.555	ng	99
29) 2,4-Dichlorophenol	10.369	162	215084	7.251	ng	98
30) 1,2,4-Trichlorobenzene	10.587	180	242579	7.727	ng	97
31) Naphthalene	10.769	128	720189	7.633	ng	99
32) Benzoic acid	9.975	122	123506	5.238	ng	98
33) 4-Chloroaniline	10.887	127	298307	6.921	ng	99
34) Hexachlorobutadiene	11.052	225	157116	7.939	ng	99
35) Caprolactam	11.669	113	74399	7.039	ng	96
36) 4-Chloro-3-methylphenol	12.010	107	231030	7.147	ng	97
37) 2-Methylnaphthalene	12.381	142	520531	7.348	ng	99
38) 1-Methylnaphthalene	12.599	142	501265	7.501	ng	98
40) 1,2,4,5-Tetrachloroben...	12.752	216	303946	7.477	ng	99
41) Hexachlorocyclopentadiene	12.722	237	140062	6.608	ng	98
43) 2,4,6-Trichlorophenol	12.993	196	196003	7.013	ng	99

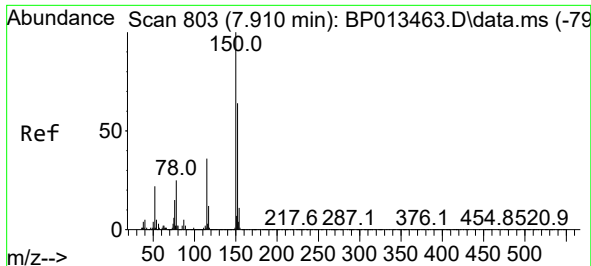
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	210771	6.427	ng	99
46) 1,1'-Biphenyl	13.393	154	716806	7.645	ng	98
47) 2-Chloronaphthalene	13.434	162	548198	7.623	ng	99
48) 2-Nitroaniline	13.646	65	149911	6.333	ng	94
49) Acenaphthylene	14.281	152	862873	7.276	ng	99
50) Dimethylphthalate	14.010	163	716980	7.291	ng	99
51) 2,6-Dinitrotoluene	14.140	165	145959	6.804	ng	95
52) Acenaphthene	14.622	154	525782	7.491	ng	97
53) 3-Nitroaniline	14.469	138	143964	6.273	ng	93
54) 2,4-Dinitrophenol	14.681	184	78925	5.414	ng	98
55) Dibenzofuran	14.957	168	870371	7.479	ng	99
56) 4-Nitrophenol	14.781	139	120580	6.539	ng	97
57) 2,4-Dinitrotoluene	14.928	165	192779	6.572	ng	94
58) Fluorene	15.610	166	707189	7.700	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.187	232	195682	6.900	ng	98
60) Diethylphthalate	15.375	149	700192	7.276	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	373668	7.662	ng	99
62) 4-Nitroaniline	15.634	138	144163	6.135	ng	98
63) Azobenzene	15.898	77	633177	7.166	ng	98
65) 4,6-Dinitro-2-methylph...	15.698	198	111566	5.667	ng	99
66) n-Nitrosodiphenylamine	15.816	169	613494	7.253	ng	99
67) 4-Bromophenyl-phenylether	16.504	248	233601	7.050	ng	98
68) Hexachlorobenzene	16.616	284	281645	7.805	ng	99
69) Atrazine	16.775	200	234625	7.574	ng	99
70) Pentachlorophenol	16.969	266	151922	5.744	ng	97
71) Phenanthrene	17.363	178	1155206	7.606	ng	99
72) Anthracene	17.451	178	1151491	7.451	ng	99
73) Carbazole	17.728	167	1048955	7.452	ng	100
74) Di-n-butylphthalate	18.269	149	1177050	7.204	ng	100
75) Fluoranthene	19.328	202	1414396	7.753	ng	99
77) Benzidine	19.510	184	766851	8.442	ng	99
78) Pyrene	19.681	202	1504067	7.481	ng	97
80) Butylbenzylphthalate	20.545	149	556637	6.405	ng	95
81) Benzo(a)anthracene	21.392	228	1581043	7.680	ng	98
82) 3,3'-Dichlorobenzidine	21.322	252	627652	8.160	ng	98
83) Chrysene	21.451	228	1489972	7.660	ng	98
84) Bis(2-ethylhexyl)phtha...	21.304	149	868352	6.904	ng	98
85) Di-n-octyl phthalate	22.245	149	1522185	7.129	ng	98
87) Indeno(1,2,3-cd)pyrene	26.445	276	1980362	7.410	ng	99
88) Benzo(b)fluoranthene	23.116	252	1664075	7.584	ng	100
89) Benzo(k)fluoranthene	23.169	252	1686722	7.920	ng	98
90) Benzo(a)pyrene	23.763	252	1502908	6.972	ng	99
91) Dibenzo(a,h)anthracene	26.463	278	1727660	7.764	ng	99
92) Benzo(g,h,i)perylene	27.233	276	1708876	7.783	ng	99

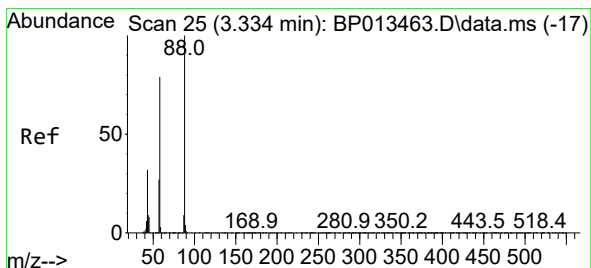
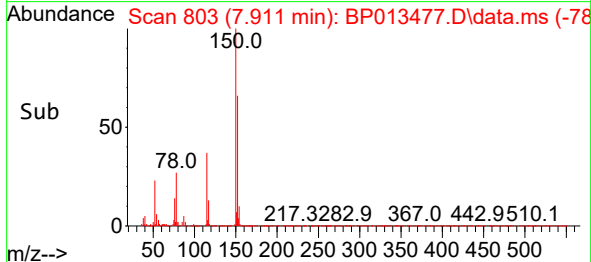
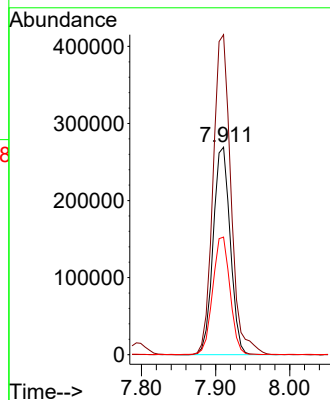
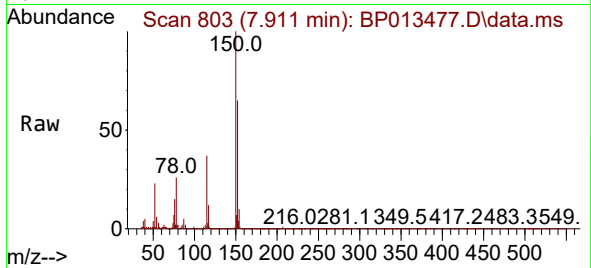
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.911 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BP013477.D
 Acq: 16 Jan 2023 12:10

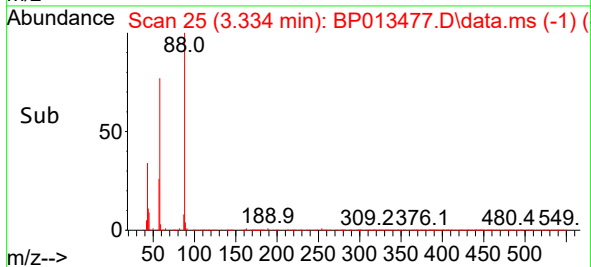
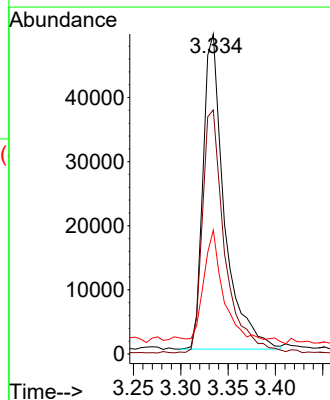
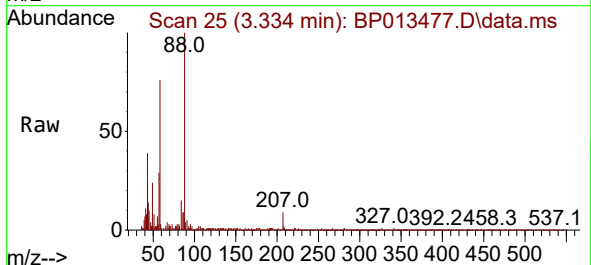
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

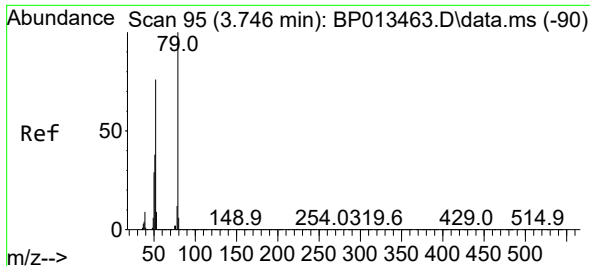
Tgt Ion:152 Resp: 429673
 Ion Ratio Lower Upper
 152 100
 150 154.2 125.7 188.5
 115 56.7 45.8 68.8



#2
 1,4-Dioxane
 Concen: 8.032 ng
 RT: 3.334 min Scan# 25
 Delta R.T. 0.000 min
 Lab File: BP013477.D
 Acq: 16 Jan 2023 12:10

Tgt Ion: 88 Resp: 77043
 Ion Ratio Lower Upper
 88 100
 58 80.3 63.4 95.0
 43 35.4 26.2 39.4

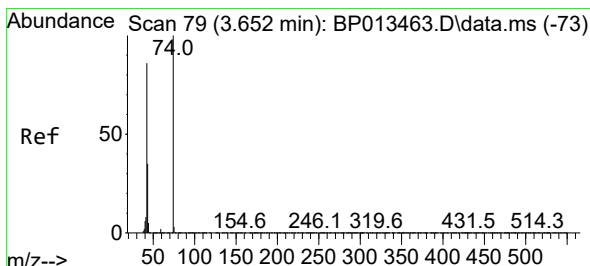
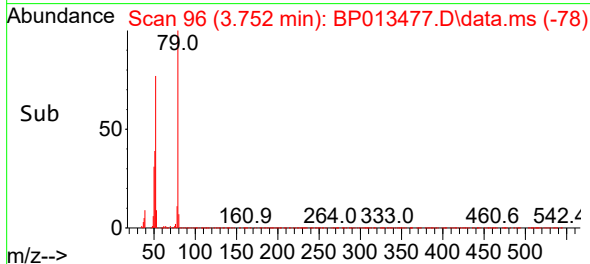
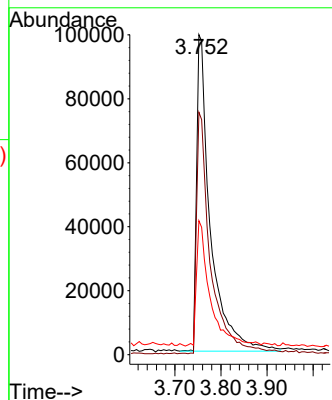
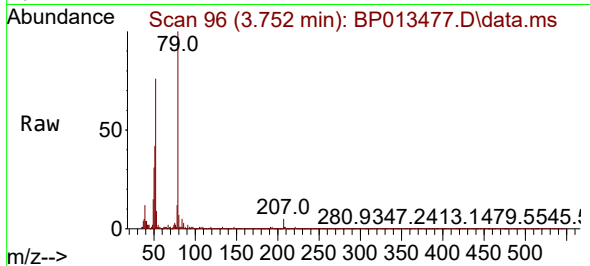




#3
Pyridine
Concen: 6.886 ng
RT: 3.752 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

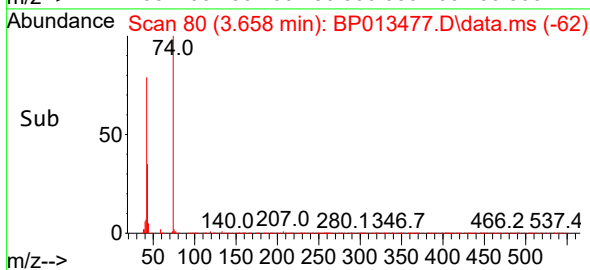
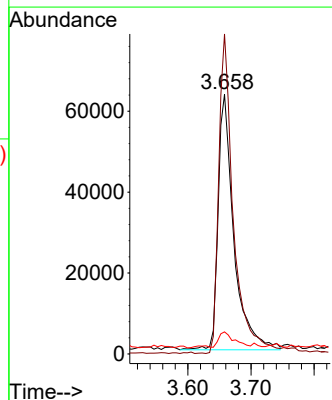
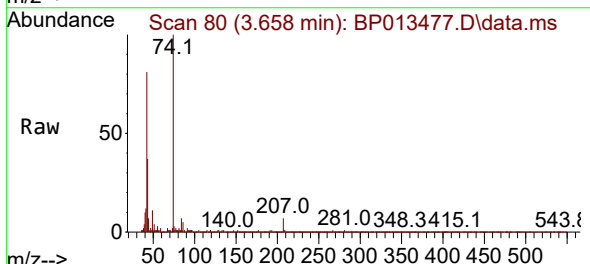
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

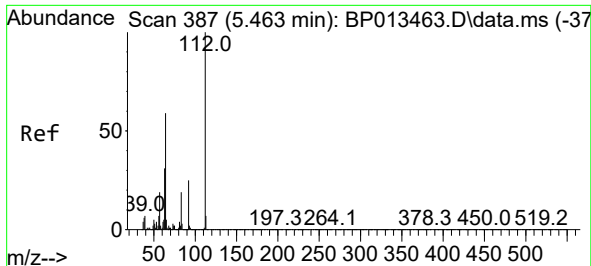
Tgt Ion: 79 Resp: 205914
Ion Ratio Lower Upper
79 100
52 75.7 60.6 91.0
51 41.9 31.0 46.4



#4
n-Nitrosodimethylamine
Concen: 7.633 ng
RT: 3.658 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 42 Resp: 109445
Ion Ratio Lower Upper
42 100
74 123.2 93.3 139.9
44 8.5 5.1 7.7

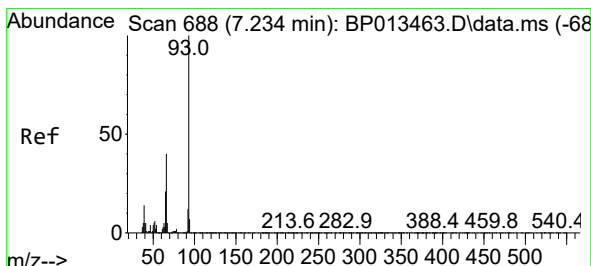
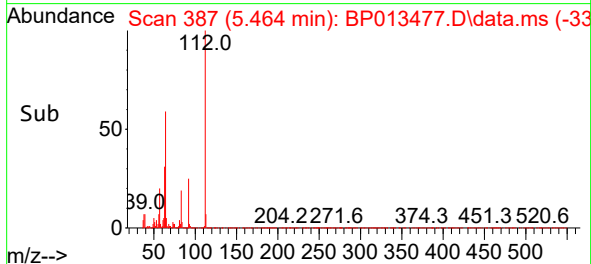
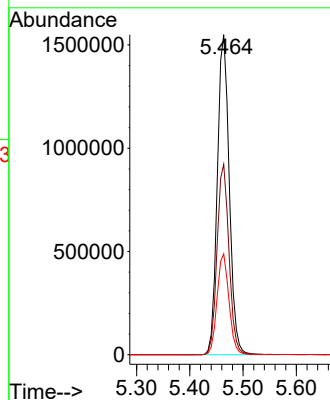
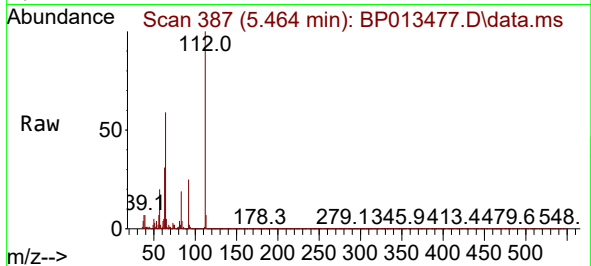




#5
2-Fluorophenol
Concen: 98.343 ng
RT: 5.464 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

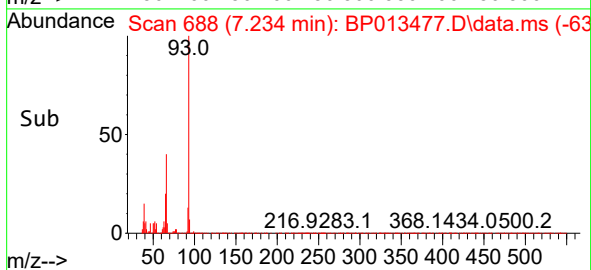
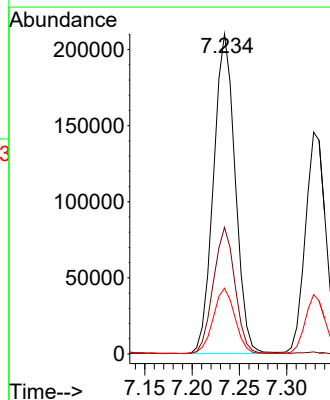
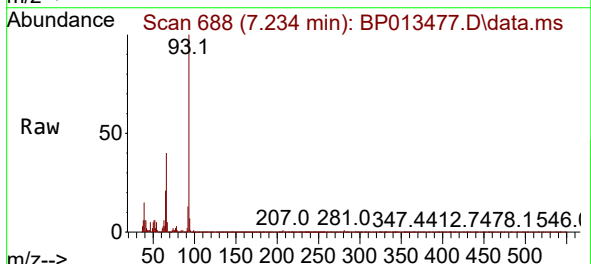
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BNA_P
ClientSampleId :
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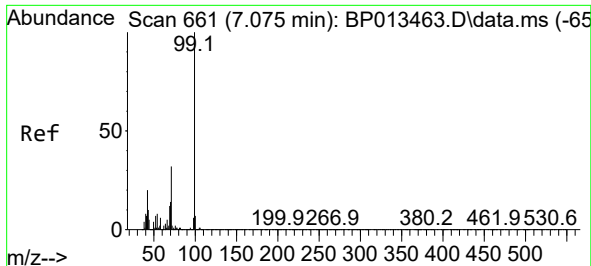
Tgt Ion:112 Resp: 2405495
Ion Ratio Lower Upper
112 100
64 59.5 47.5 71.3
63 31.5 25.0 37.4



#6
Aniline
Concen: 7.224 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 93 Resp: 333761
Ion Ratio Lower Upper
93 100
66 39.6 31.9 47.9
65 20.6 16.6 25.0





#7

Phenol-d6

Concen: 95.068 ng

RT: 7.069 min Scan# 60

Delta R.T. -0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

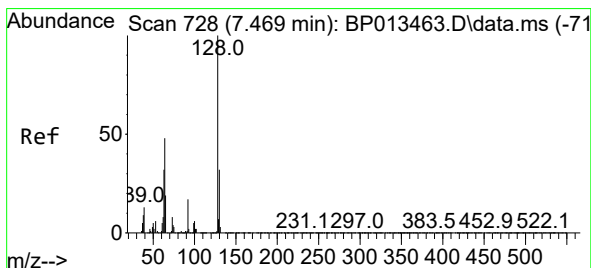
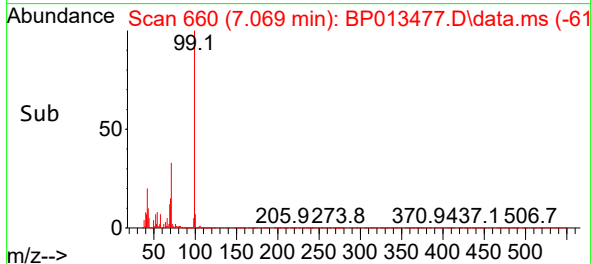
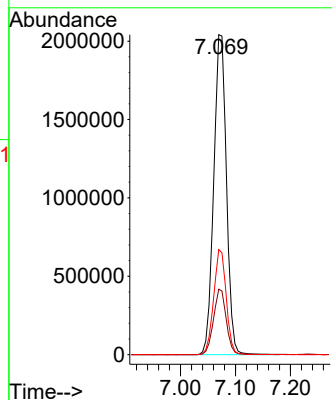
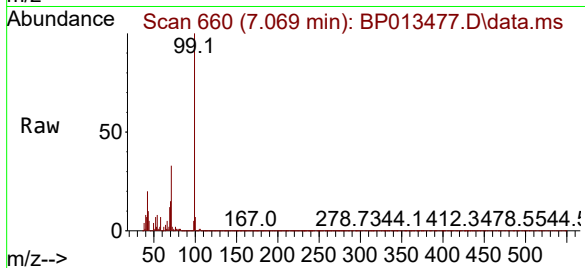
Tgt Ion: 99 Resp: 3286991

Ion Ratio Lower Upper

99 100

42 20.5 15.8 23.6

71 32.9 25.6 38.4



#8

2-Chlorophenol

Concen: 7.579 ng

RT: 7.469 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

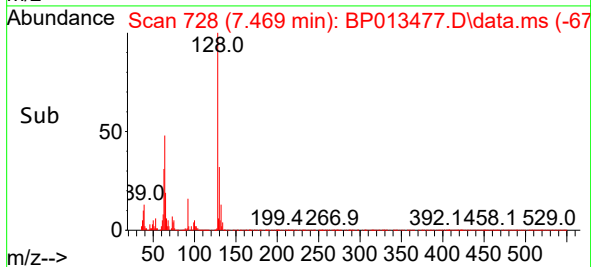
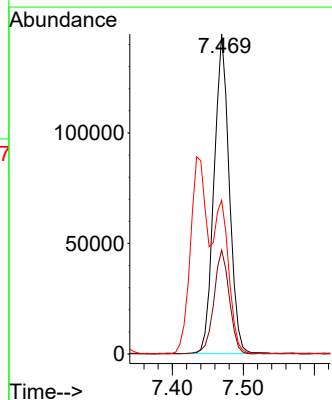
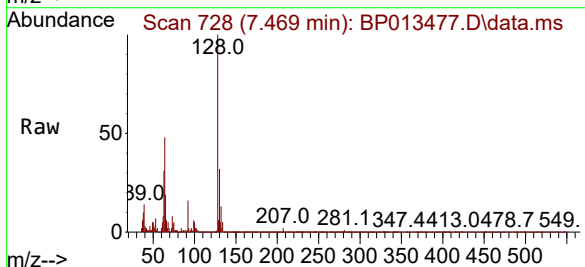
Tgt Ion:128 Resp: 214554

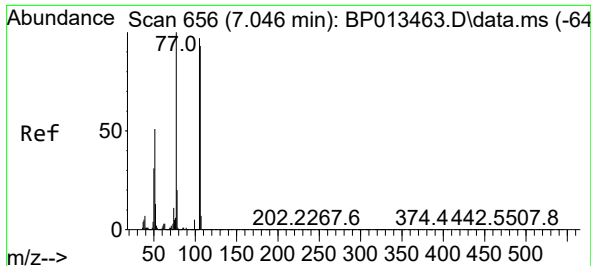
Ion Ratio Lower Upper

128 100

130 32.5 11.7 51.7

64 48.0 28.6 68.6

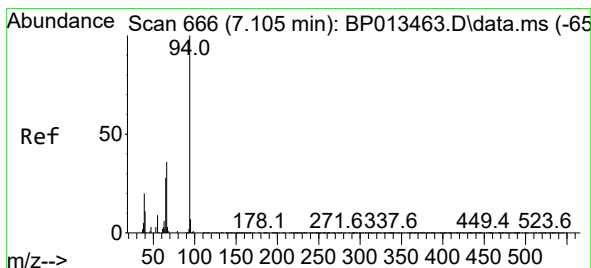
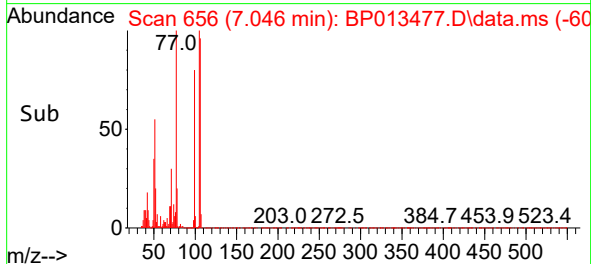
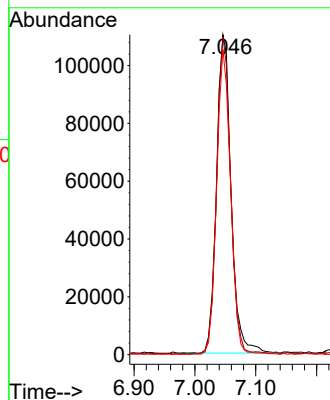
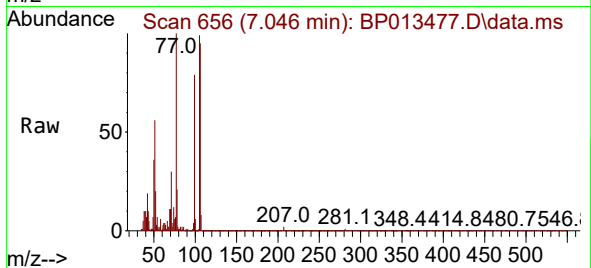




#9
Benzaldehyde
Concen: 8.775 ng
RT: 7.046 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

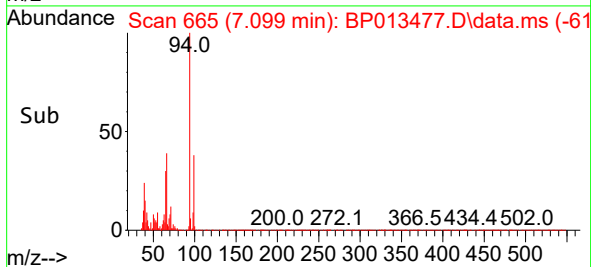
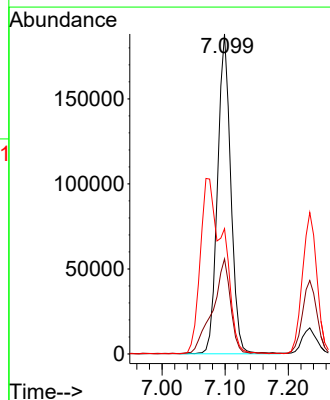
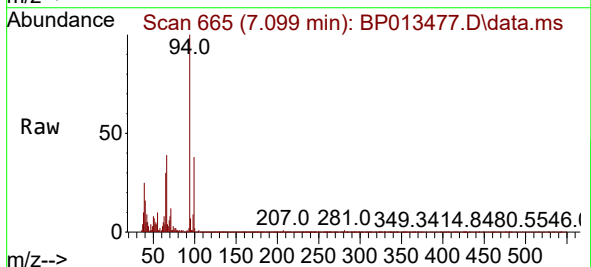
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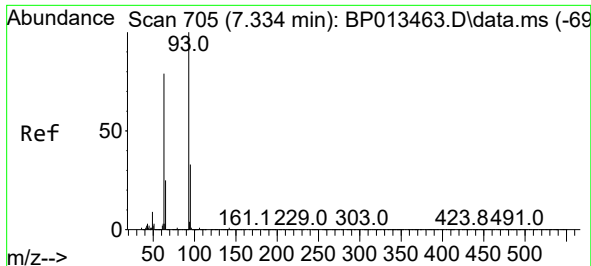
Tgt Ion: 77 Resp: 183142
Ion Ratio Lower Upper
77 100
105 99.4 77.3 117.3
106 95.4 73.1 113.1



#10
Phenol
Concen: 7.656 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 94 Resp: 273216
Ion Ratio Lower Upper
94 100
65 29.7 8.3 48.3
66 39.1 16.6 56.6

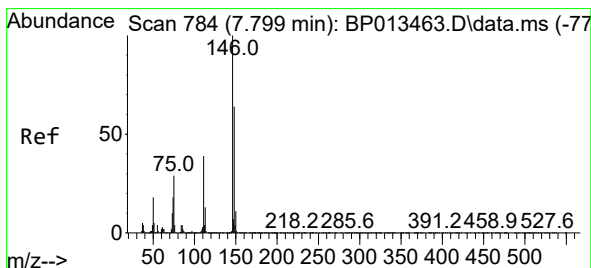
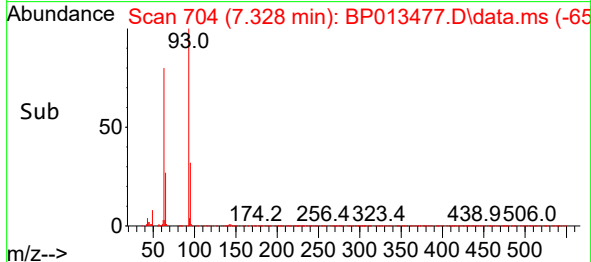
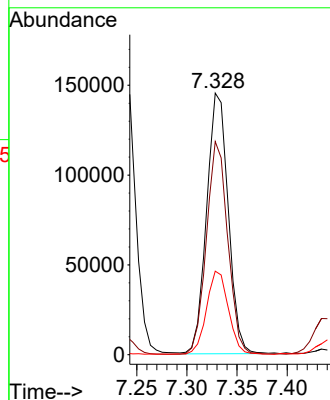
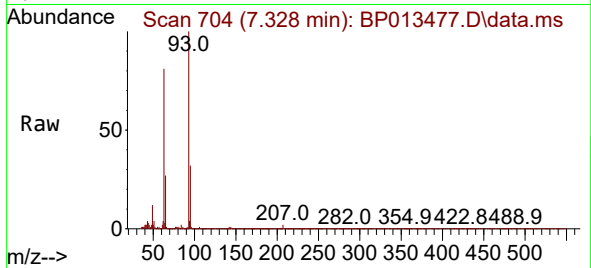




#11
bis(2-Chloroethyl)ether
Concen: 7.534 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

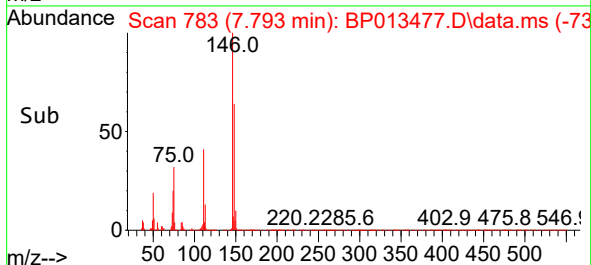
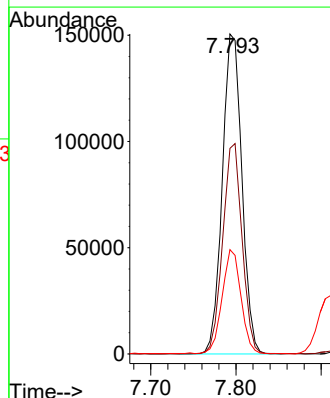
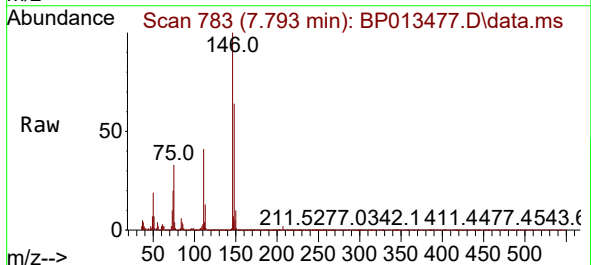
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

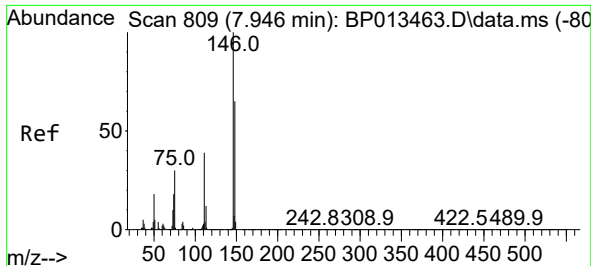
Tgt Ion: 93 Resp: 217953
Ion Ratio Lower Upper
93 100
63 81.5 59.3 99.3
95 31.9 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 8.065 ng
RT: 7.793 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:146 Resp: 240535
Ion Ratio Lower Upper
146 100
148 64.3 51.5 77.3
75 32.6 23.6 35.4

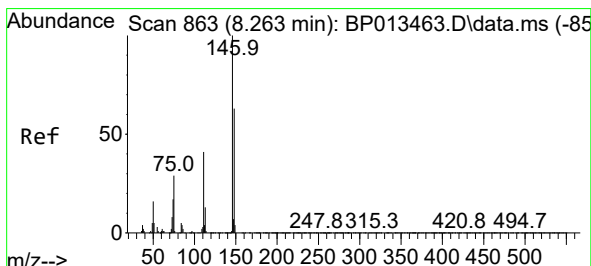
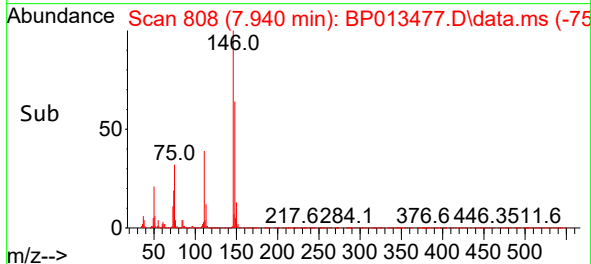
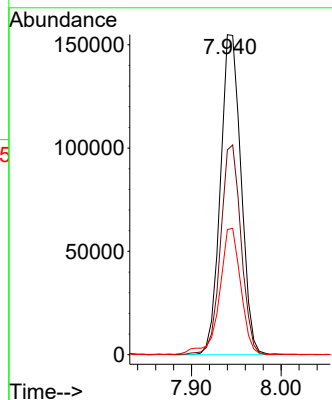
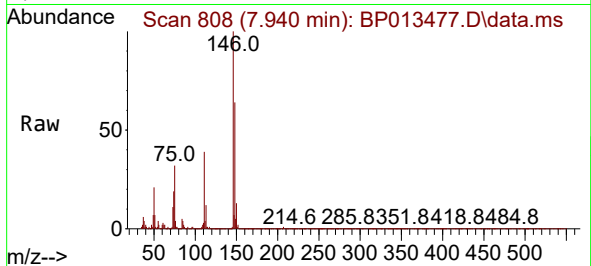




#13
1,4-Dichlorobenzene
Concen: 8.112 ng
RT: 7.940 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

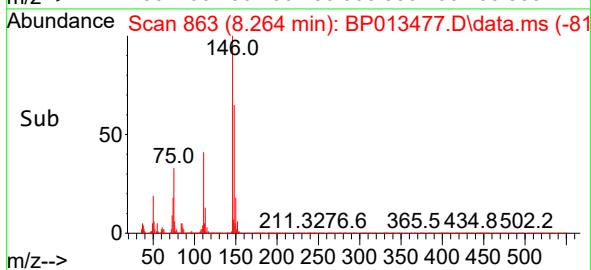
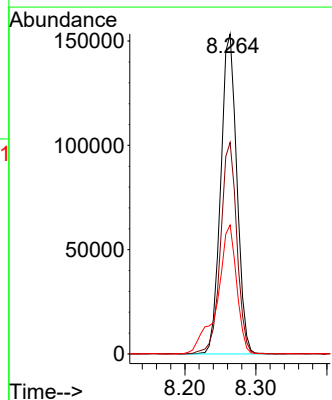
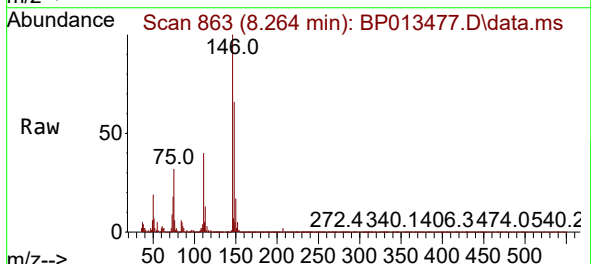
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

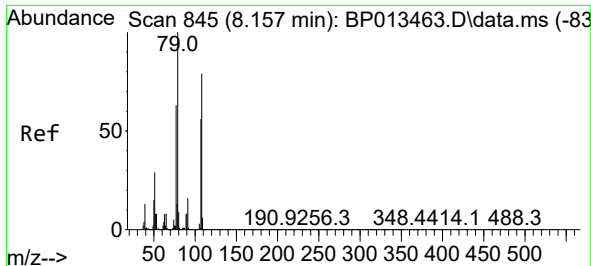
Tgt Ion:146 Resp: 246559
Ion Ratio Lower Upper
146 100
148 64.0 52.0 78.0
111 39.1 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 8.092 ng
RT: 8.264 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:146 Resp: 240287
Ion Ratio Lower Upper
146 100
148 66.1 50.9 76.3
111 40.3 32.7 49.1

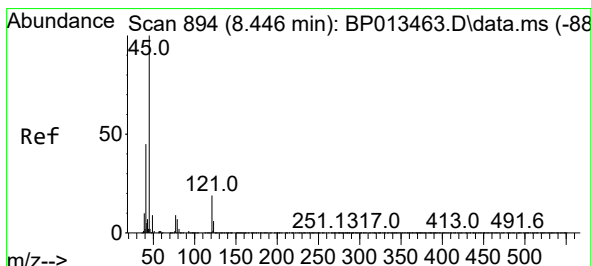
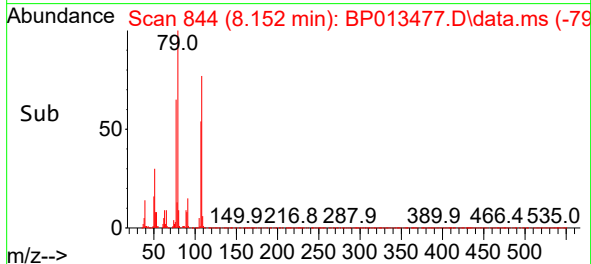
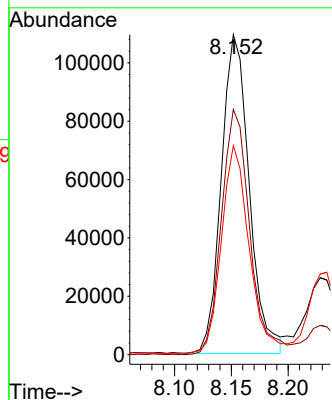
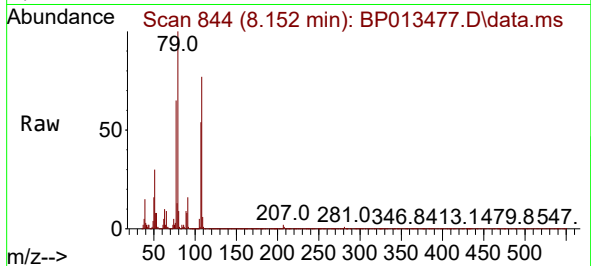




#15
Benzyl Alcohol
Concen: 7.012 ng
RT: 8.152 min Scan# 845
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

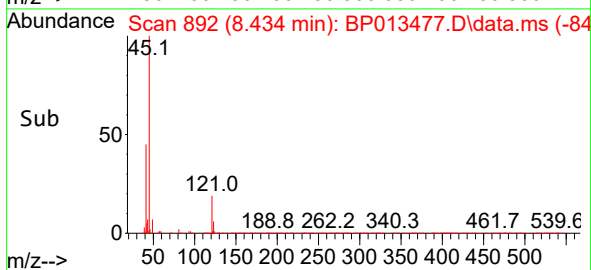
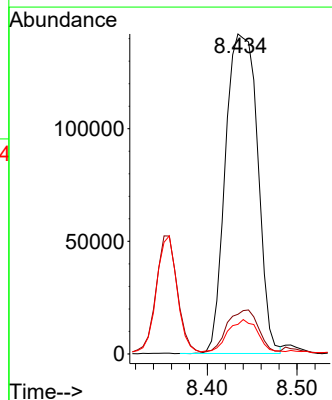
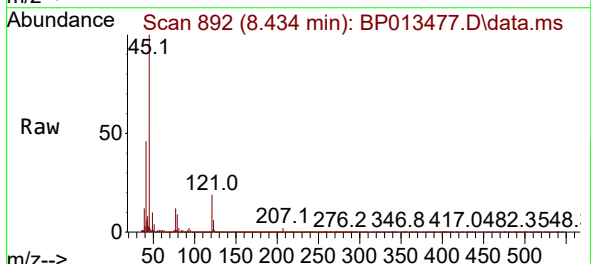
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

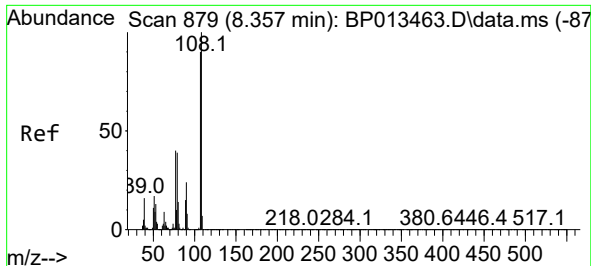
Tgt Ion: 79 Resp: 186821
Ion Ratio Lower Upper
79 100
108 76.7 63.2 94.8
77 65.3 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.868 ng
RT: 8.434 min Scan# 892
Delta R.T. -0.012 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 45 Resp: 352164
Ion Ratio Lower Upper
45 100
77 12.4 0.0 32.8
79 9.2 0.0 30.3

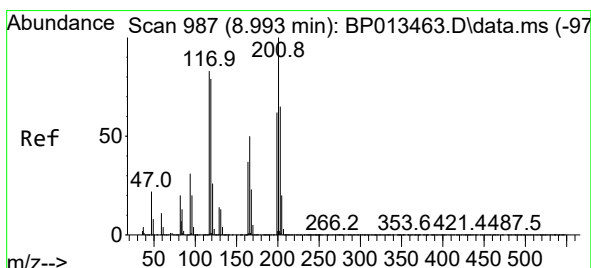
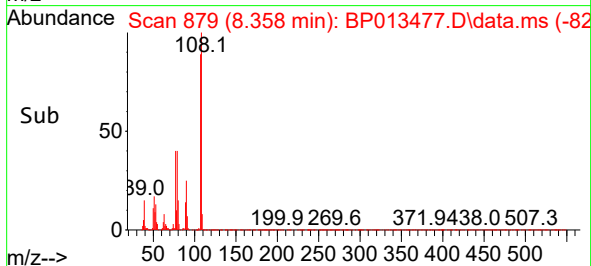
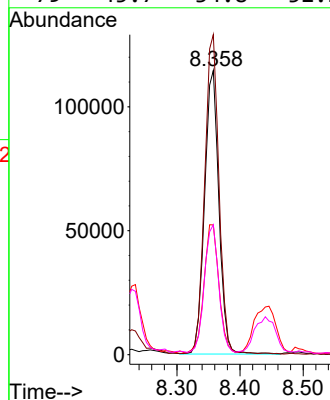
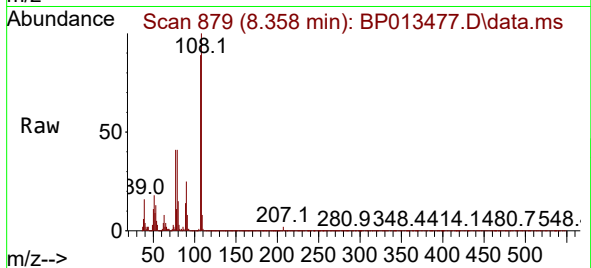




#17
2-Methylphenol
Concen: 6.829 ng
RT: 8.358 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

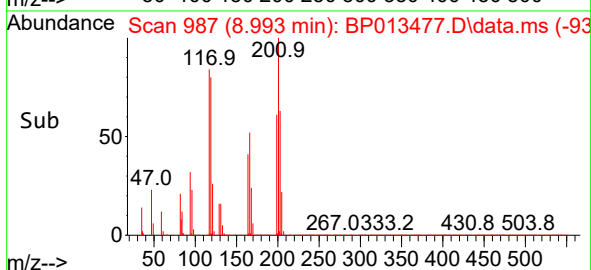
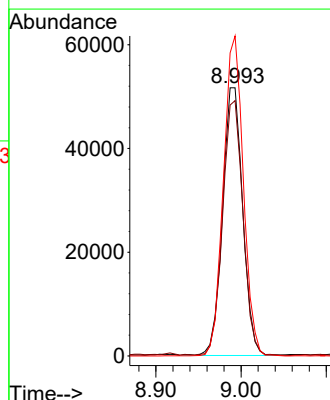
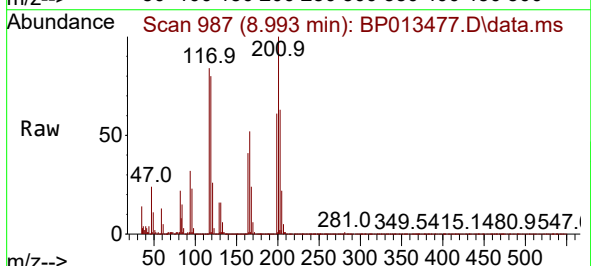
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

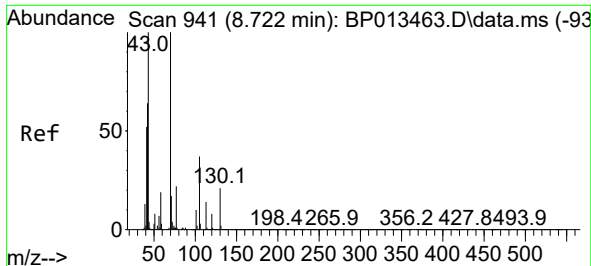
Tgt Ion:	107	Resp:	180416
Ion	Ratio	Lower	Upper
107	100		
108	112.6	88.8	133.2
77	45.7	35.8	53.8
79	45.7	34.8	52.2



#18
Hexachloroethane
Concen: 7.920 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:	117	Resp:	85255
Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.8
201	119.3	95.8	143.8

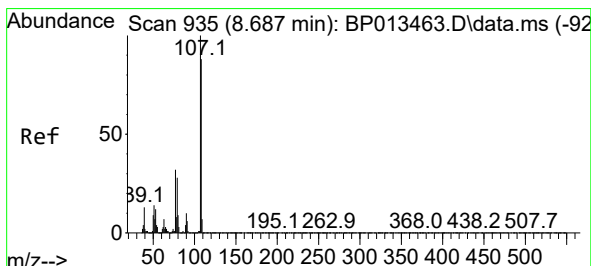
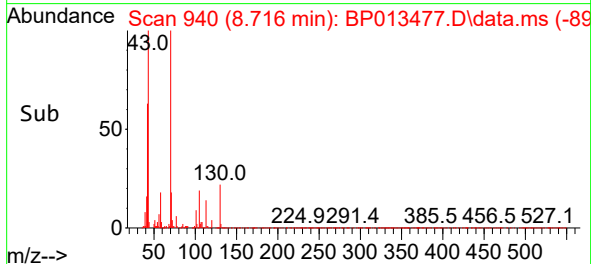
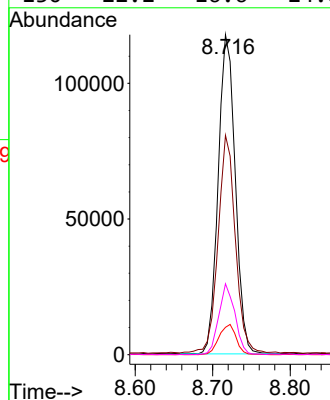
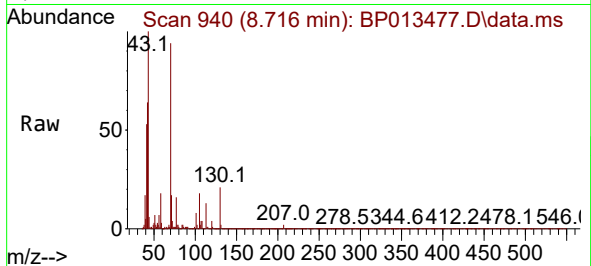




#19
n-Nitroso-di-n-propylamine
Concen: 7.304 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

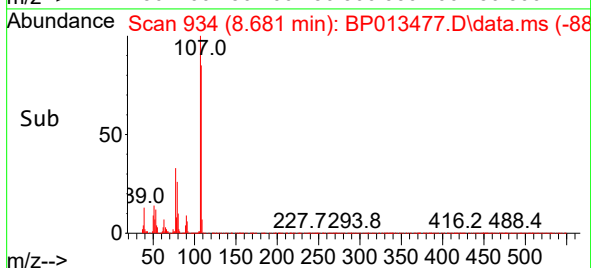
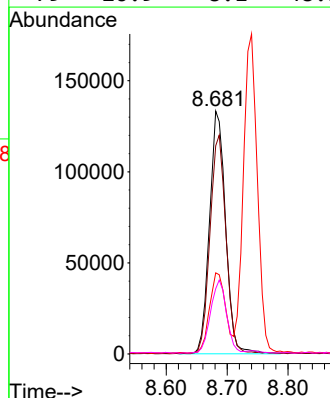
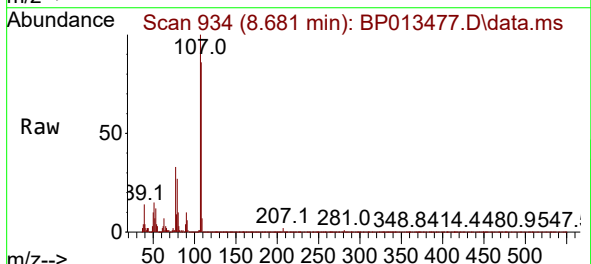
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

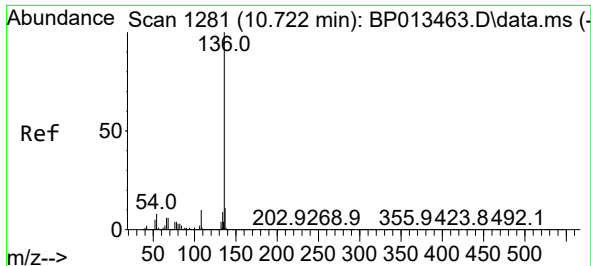
Tgt Ion: 70 Resp: 180248
Ion Ratio Lower Upper
70 100
42 68.6 51.1 76.7
101 8.5 7.8 11.8
130 22.2 16.6 24.8



#20
3+4-Methylphenols
Concen: 6.666 ng
RT: 8.681 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 107 Resp: 244680
Ion Ratio Lower Upper
107 100
108 85.7 68.1 108.1
77 33.4 12.3 52.3
79 26.9 8.1 48.1

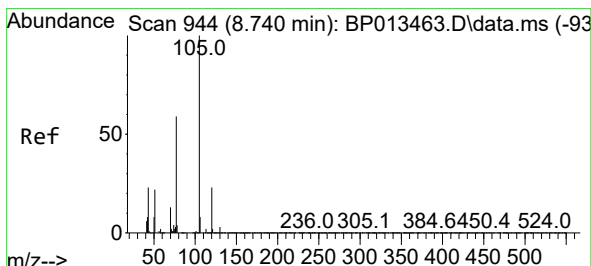
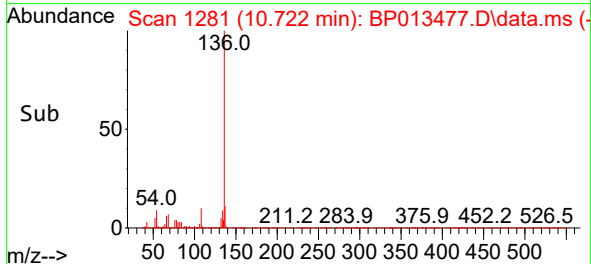
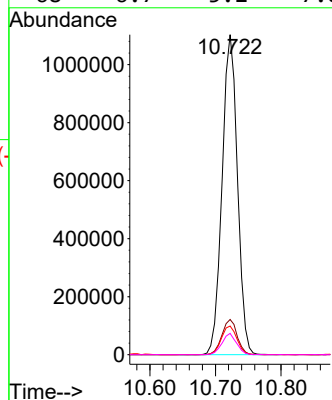
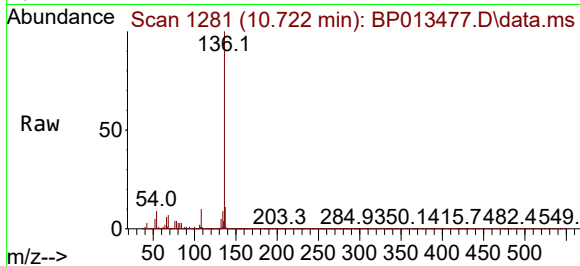




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

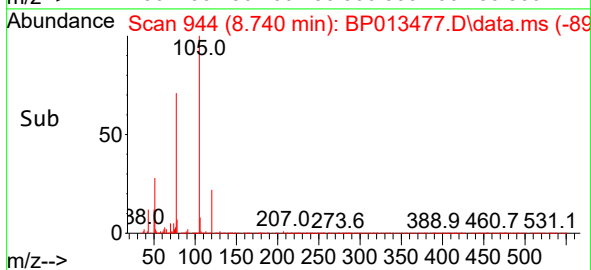
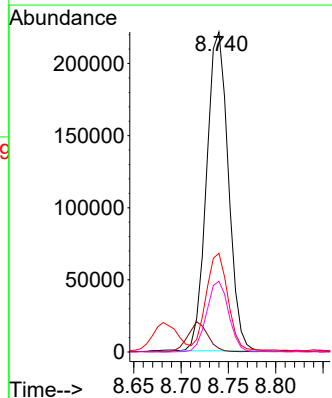
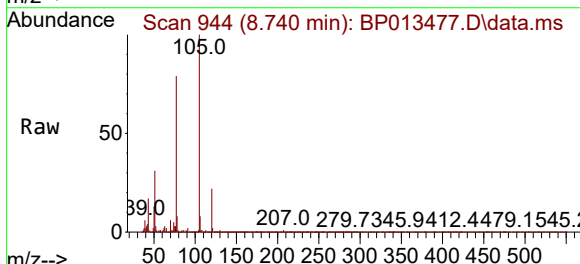
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

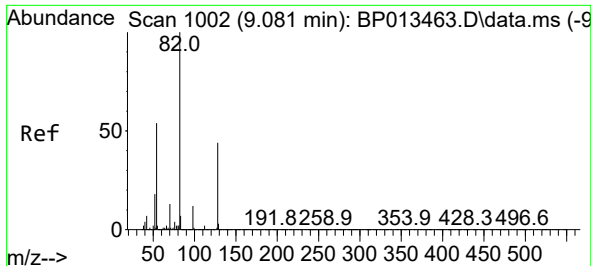
Tgt Ion:136 Resp: 1784303
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.9 6.6 10.0
68 6.7 5.2 7.8



#22
Acetophenone
Concen: 7.728 ng
RT: 8.740 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:105 Resp: 353139
Ion Ratio Lower Upper
105 100
71 1.2 2.1 3.1#
51 30.9 23.3 34.9
120 22.1 17.9 26.9

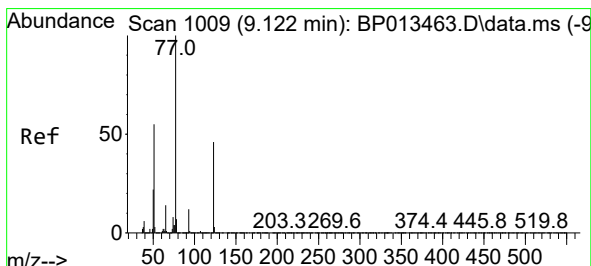
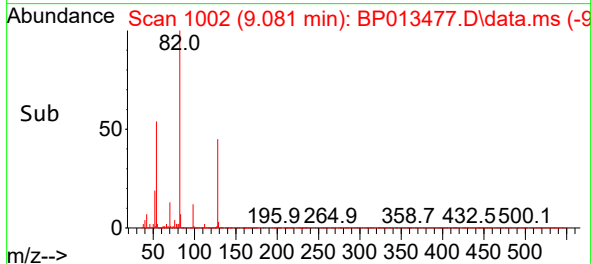
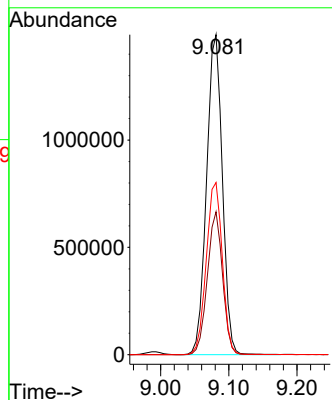
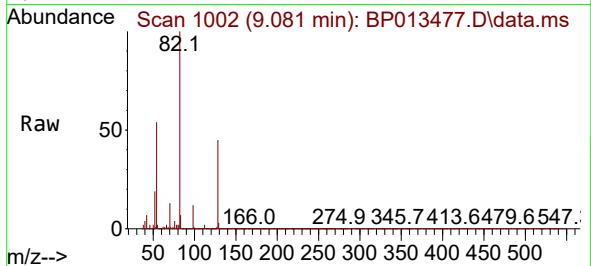




#23
Nitrobenzene-d5
Concen: 71.538 ng
RT: 9.081 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

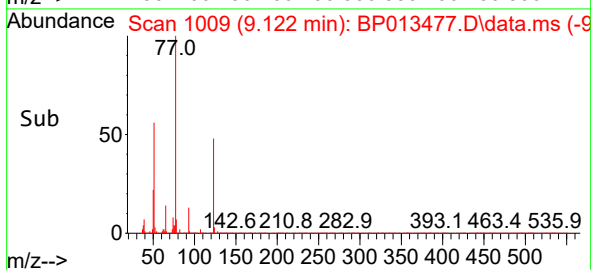
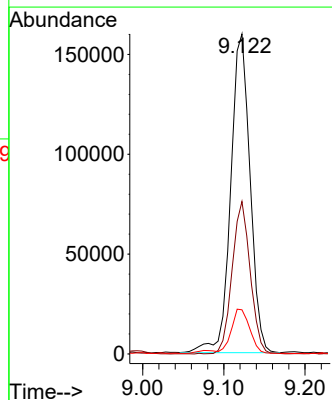
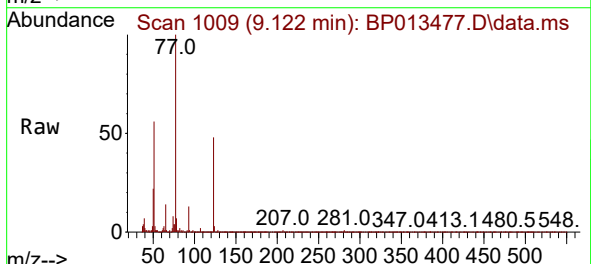
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

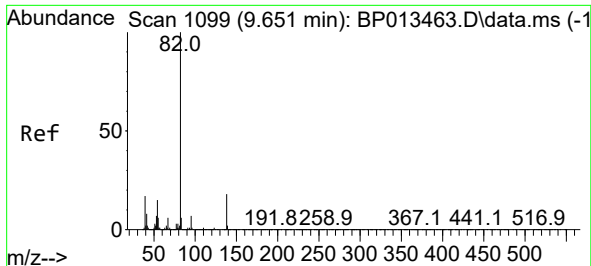
Tgt Ion: 82 Resp: 2402624
Ion Ratio Lower Upper
82 100
128 44.7 35.4 53.0
54 53.8 42.8 64.2



#24
Nitrobenzene
Concen: 7.598 ng
RT: 9.122 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 77 Resp: 263940
Ion Ratio Lower Upper
77 100
123 47.7 36.5 54.7
65 13.8 11.0 16.6

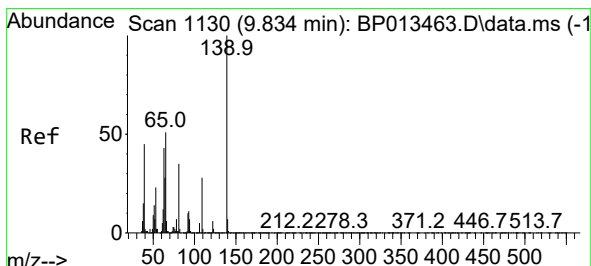
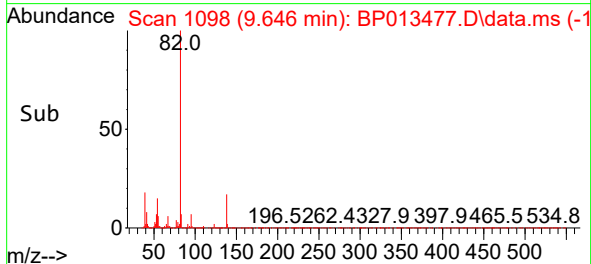
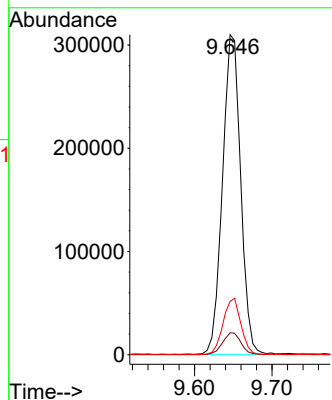
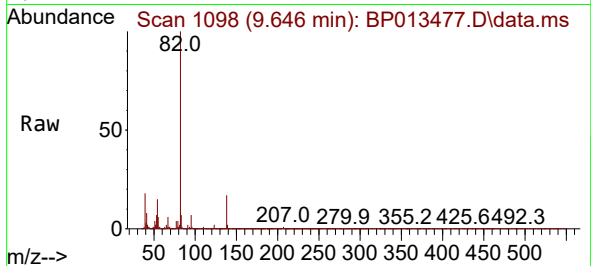




#25
Isophorone
Concen: 7.298 ng
RT: 9.646 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

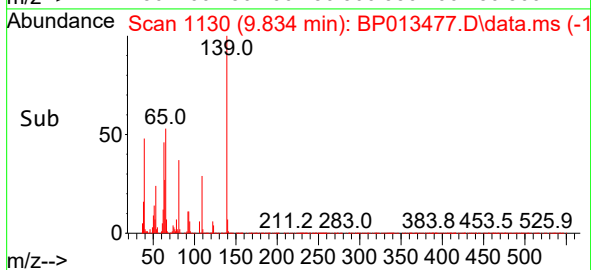
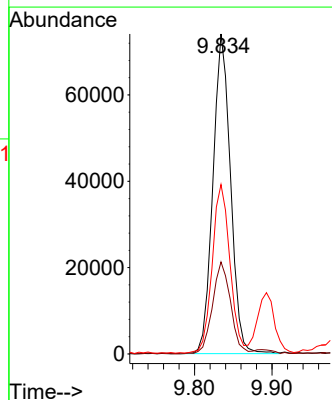
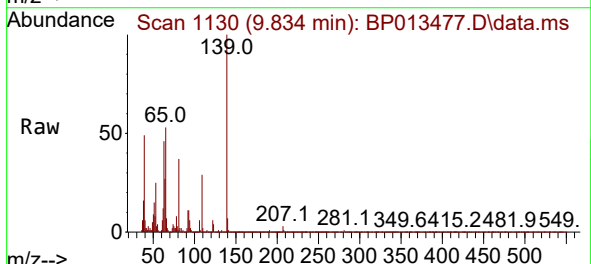
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

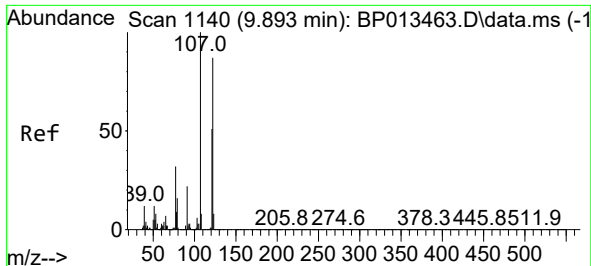
Tgt Ion: 82 Resp: 504502
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 16.6 14.5 21.7



#26
2-Nitrophenol
Concen: 6.792 ng
RT: 9.834 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 139 Resp: 116629
Ion Ratio Lower Upper
139 100
109 28.7 22.5 33.7
65 53.0 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 6.806 ng

RT: 9.893 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

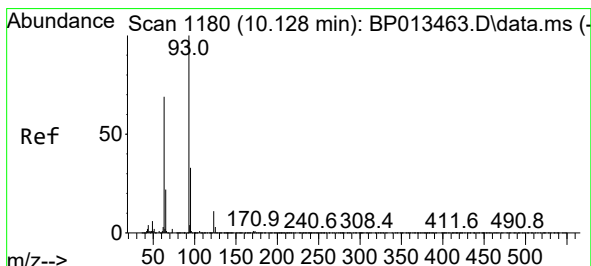
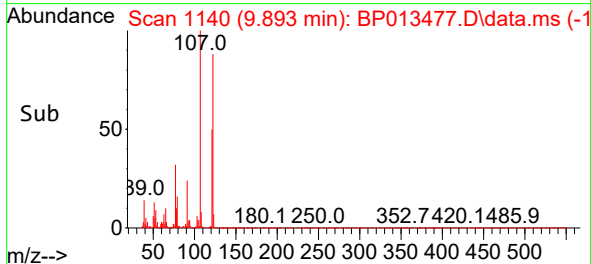
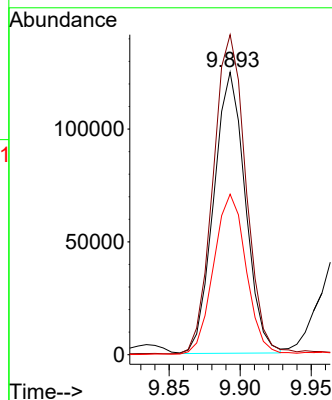
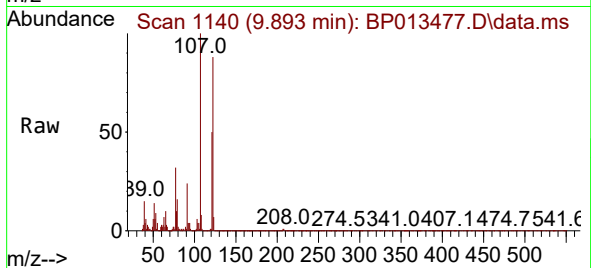
Tgt Ion:122 Resp: 192401

Ion Ratio Lower Upper

122 100

107 113.2 91.6 137.4

121 56.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 7.555 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

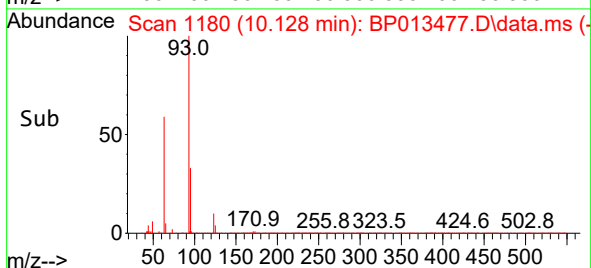
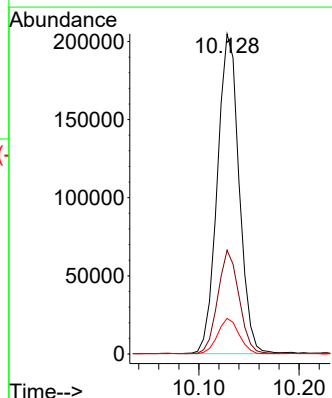
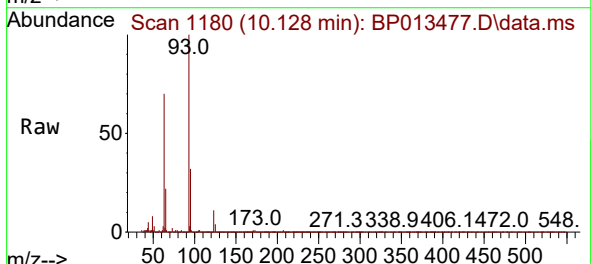
Tgt Ion: 93 Resp: 308032

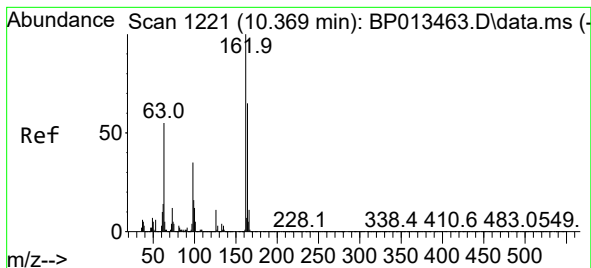
Ion Ratio Lower Upper

93 100

95 32.4 26.1 39.1

123 11.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 7.251 ng

RT: 10.369 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

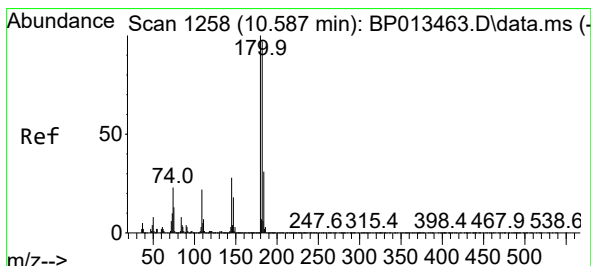
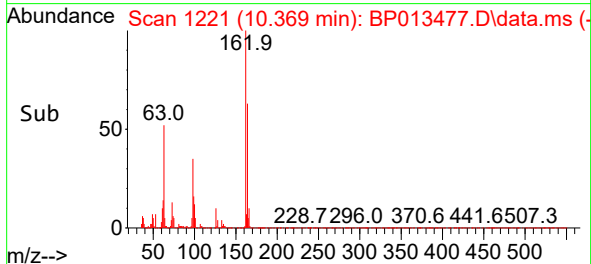
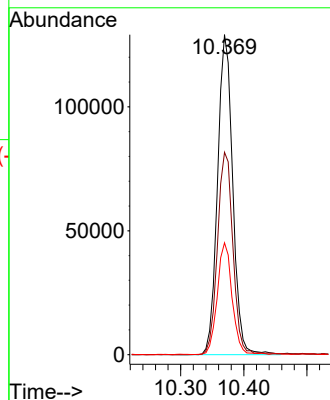
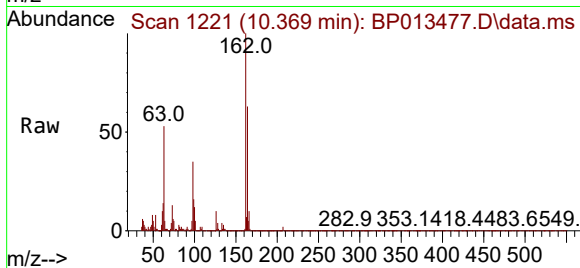
Tgt Ion:162 Resp: 215084

Ion Ratio Lower Upper

162 100

164 63.2 45.4 85.4

98 34.9 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 7.727 ng

RT: 10.587 min Scan# 1258

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

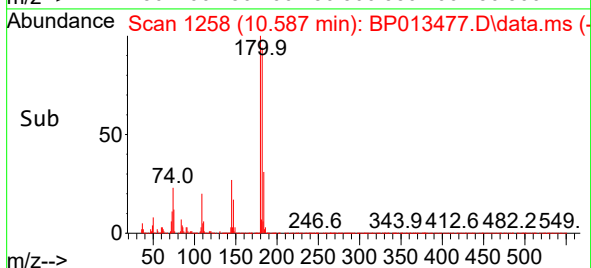
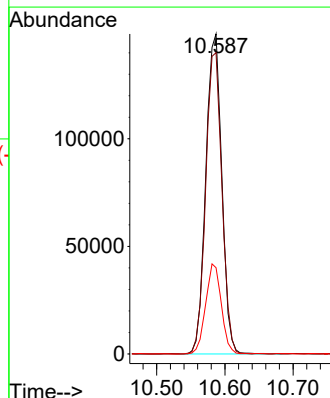
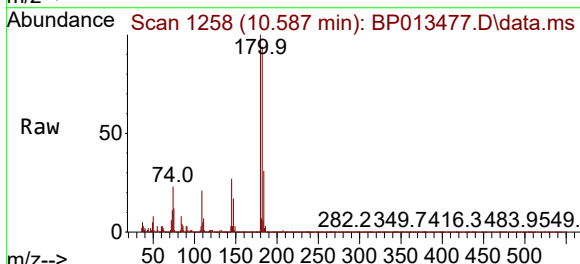
Tgt Ion:180 Resp: 242579

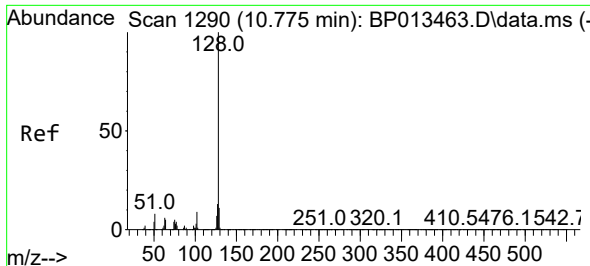
Ion Ratio Lower Upper

180 100

182 94.1 77.3 115.9

145 27.0 22.8 34.2

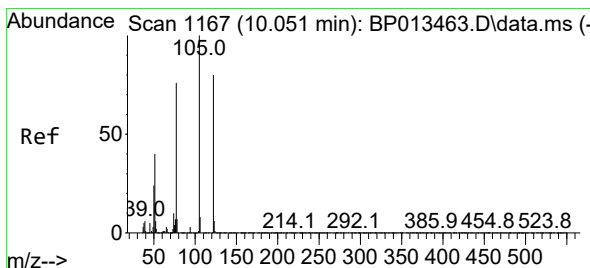
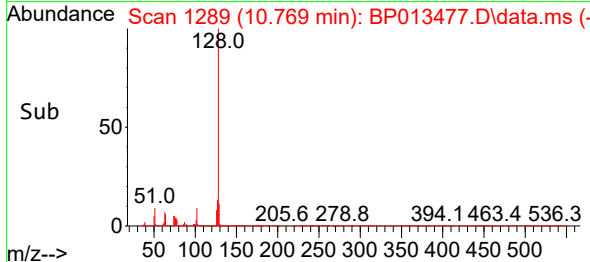
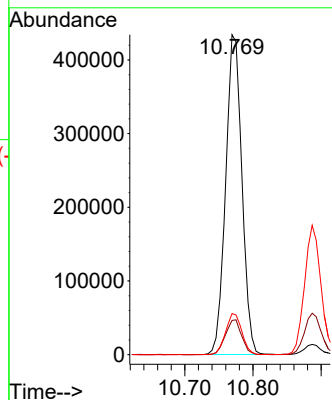
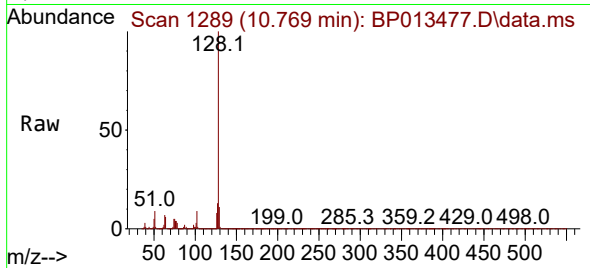




#31
Naphthalene
Concen: 7.633 ng
RT: 10.769 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

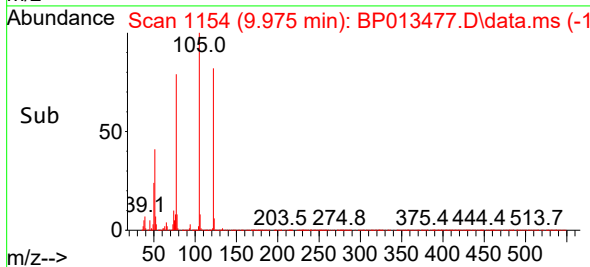
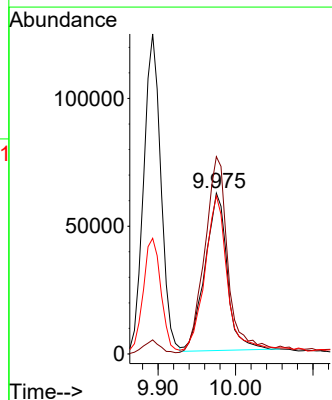
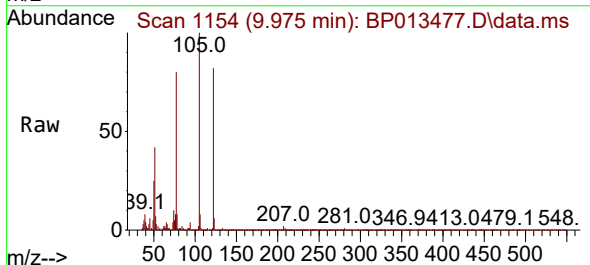
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

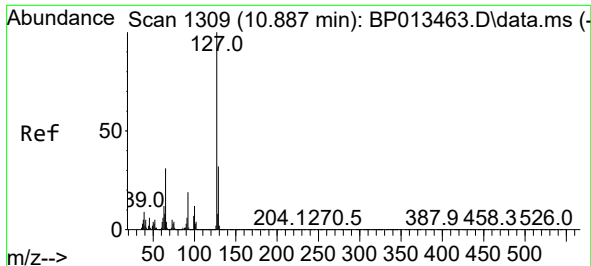
Tgt Ion:128 Resp: 720189
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.9 10.6 16.0



#32
Benzoic acid
Concen: 5.238 ng
RT: 9.975 min Scan# 1154
Delta R.T. -0.076 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:122 Resp: 123506
Ion Ratio Lower Upper
122 100
105 122.7 102.7 142.7
77 98.3 74.0 114.0

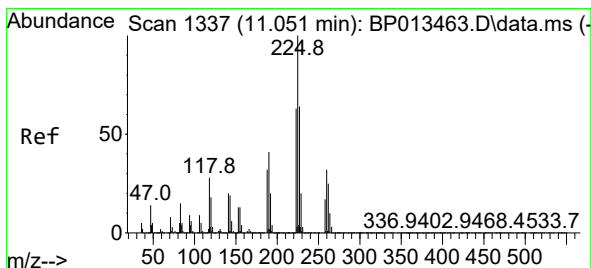
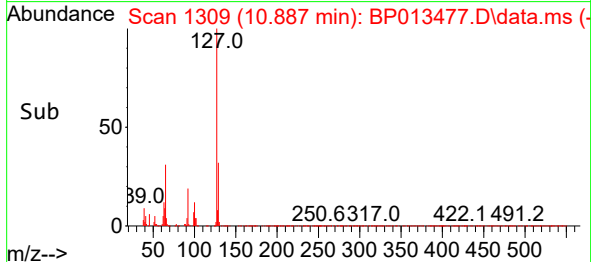
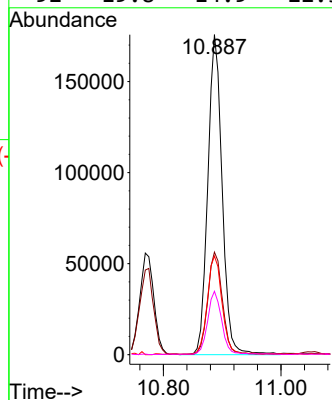
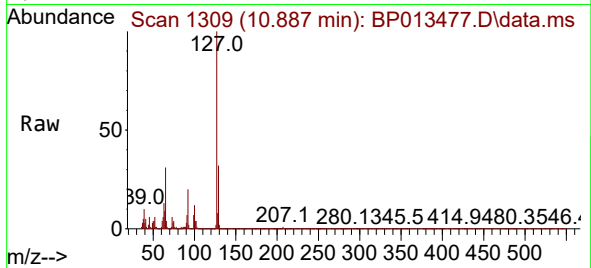




#33
4-Chloroaniline
Concen: 6.921 ng
RT: 10.887 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

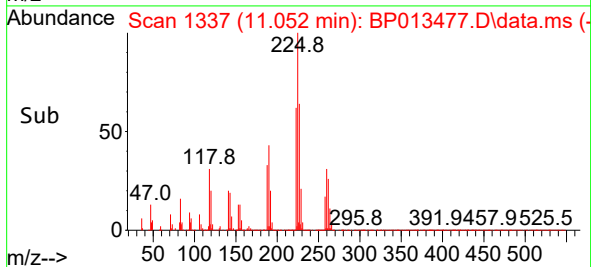
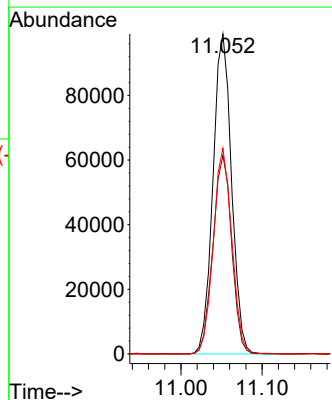
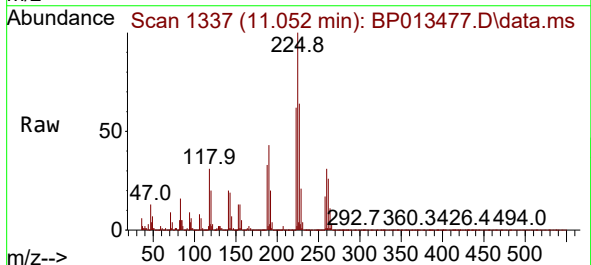
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

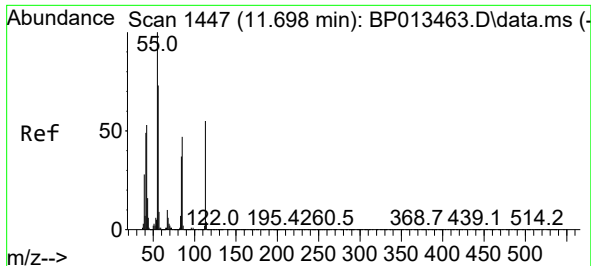
Tgt Ion:	127	Resp:	298307
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.6	38.4
65	30.8	25.2	37.8
92	19.8	14.9	22.3



#34
Hexachlorobutadiene
Concen: 7.939 ng
RT: 11.052 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:	225	Resp:	157116
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	64.3	51.0	76.6

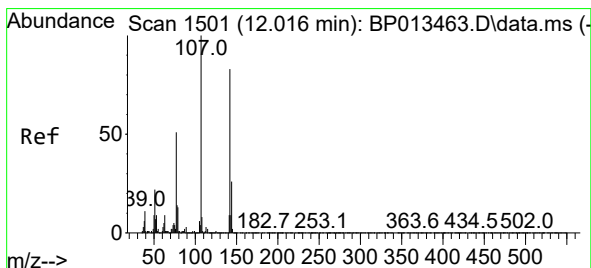
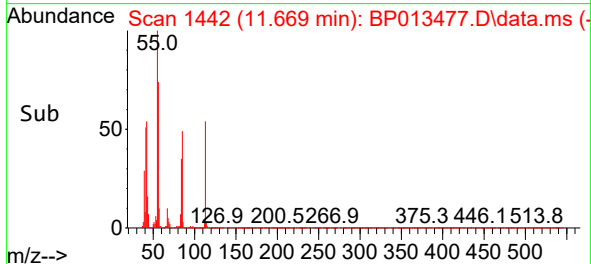
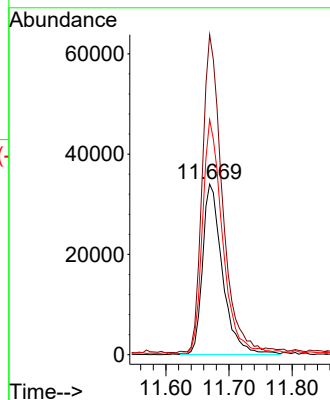
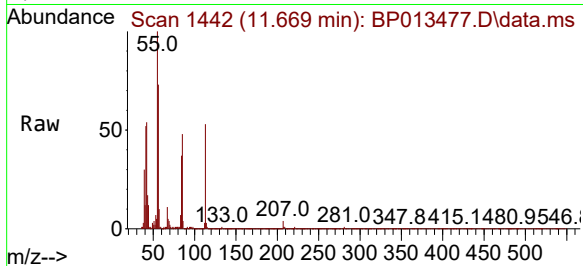




#35
Caprolactam
Concen: 7.039 ng
RT: 11.669 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

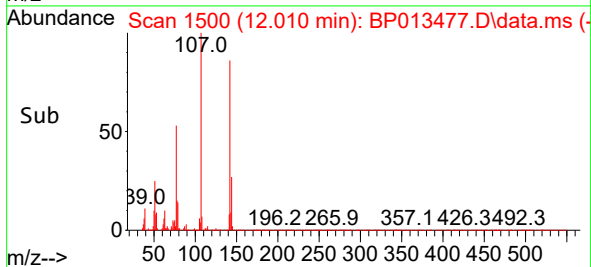
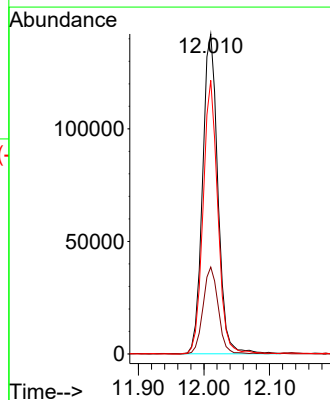
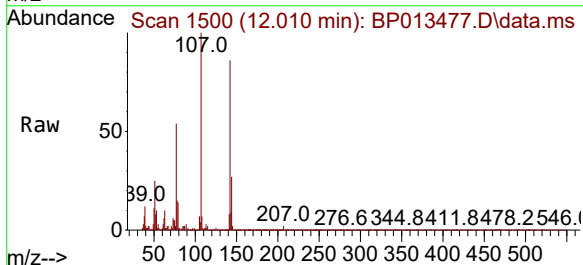
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

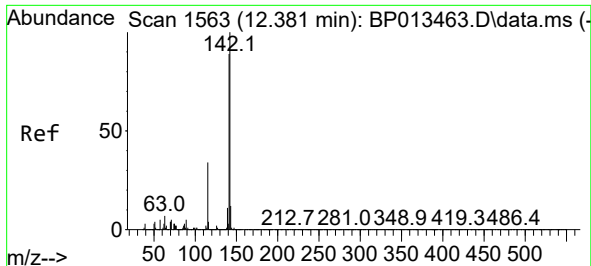
Tgt Ion:113 Resp: 74399
Ion Ratio Lower Upper
113 100
55 187.7 163.1 203.1
56 137.9 113.0 153.0



#36
4-Chloro-3-methylphenol
Concen: 7.147 ng
RT: 12.010 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:107 Resp: 231030
Ion Ratio Lower Upper
107 100
144 27.2 21.2 31.8
142 85.5 66.0 99.0

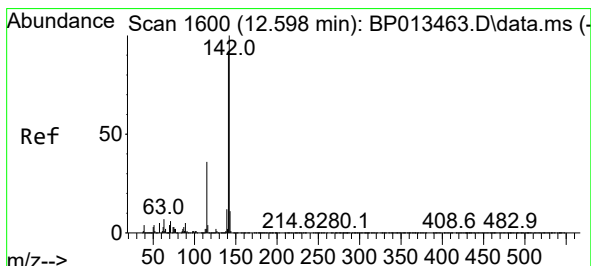
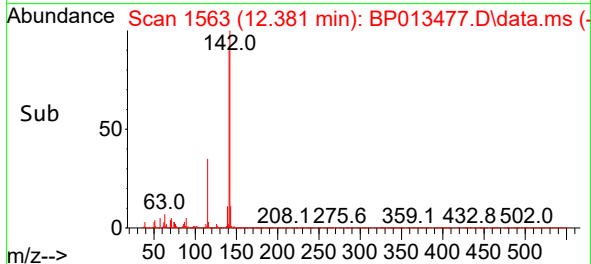
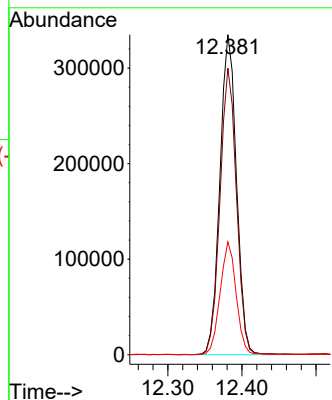
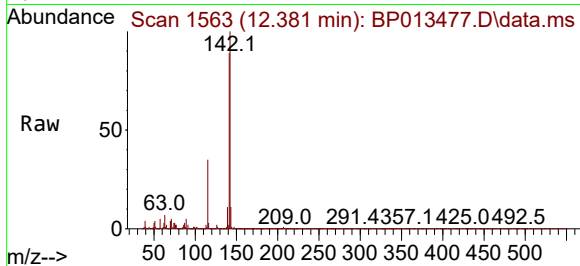




#37
2-Methylnaphthalene
Concen: 7.348 ng
RT: 12.381 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

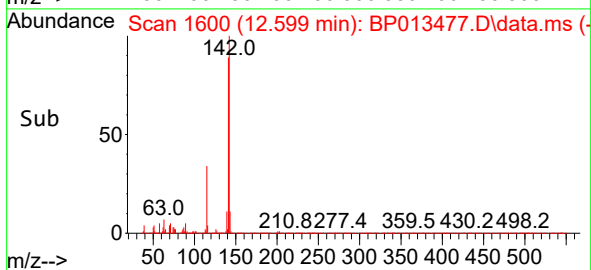
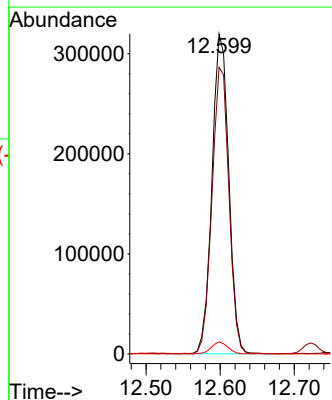
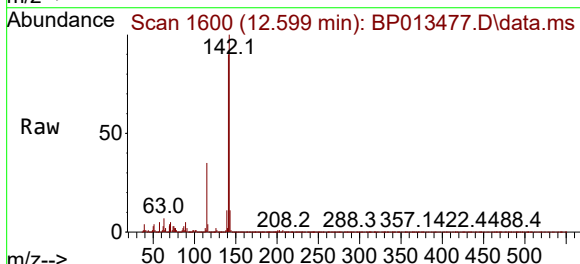
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

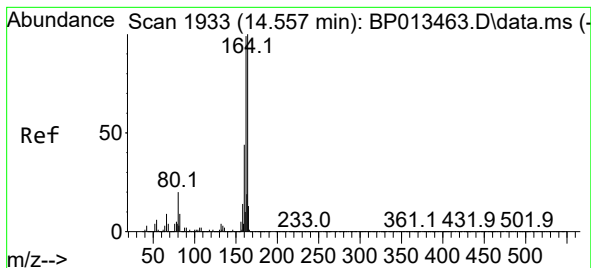
Tgt Ion:142 Resp: 520531
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7
115 35.3 27.6 41.4



#38
1-Methylnaphthalene
Concen: 7.501 ng
RT: 12.599 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:142 Resp: 501265
Ion Ratio Lower Upper
142 100
141 89.5 73.3 109.9
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

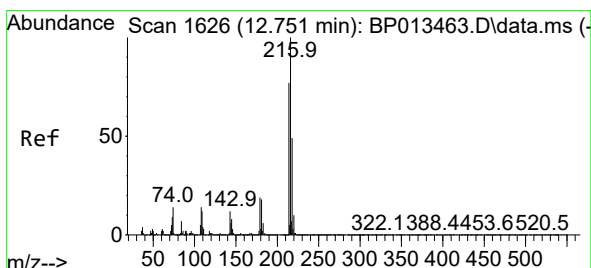
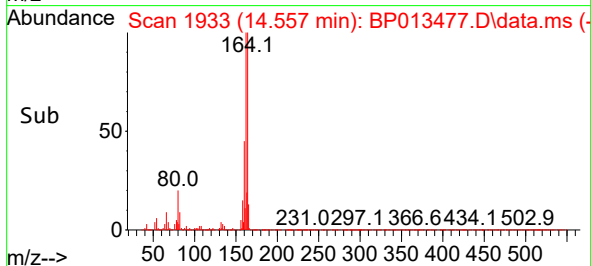
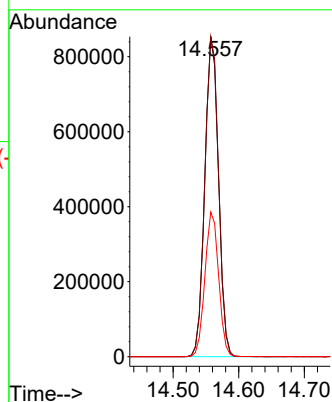
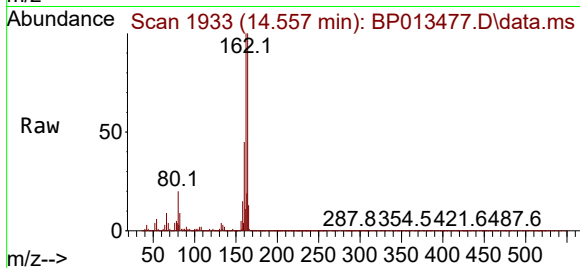
Tgt Ion:164 Resp: 1240157

Ion Ratio Lower Upper

164 100

162 100.0 79.5 119.3

160 45.2 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.477 ng

RT: 12.752 min Scan# 1626

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Tgt Ion:216 Resp: 303946

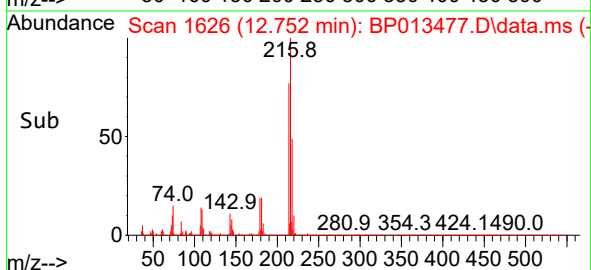
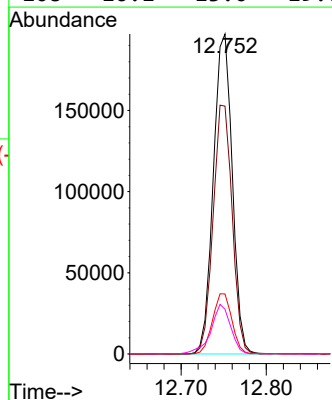
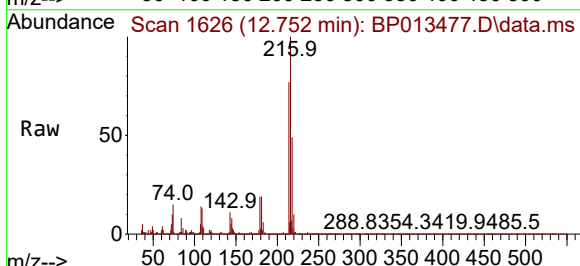
Ion Ratio Lower Upper

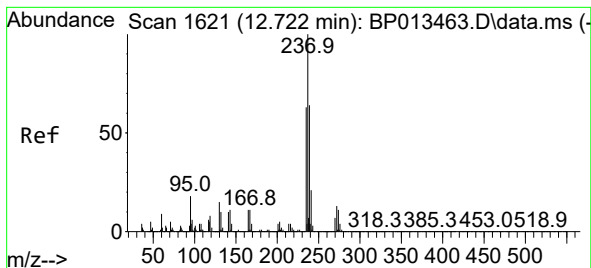
216 100

214 78.1 62.1 93.1

179 19.3 15.6 23.4

108 16.1 13.0 19.6





#41

Hexachlorocyclopentadiene

Concen: 6.608 ng

RT: 12.722 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

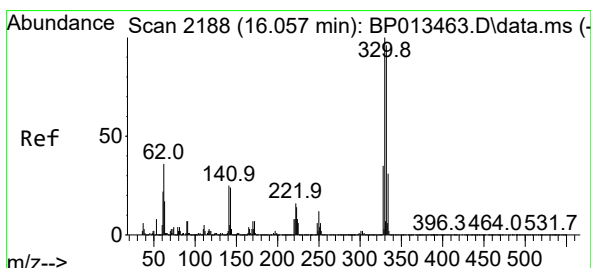
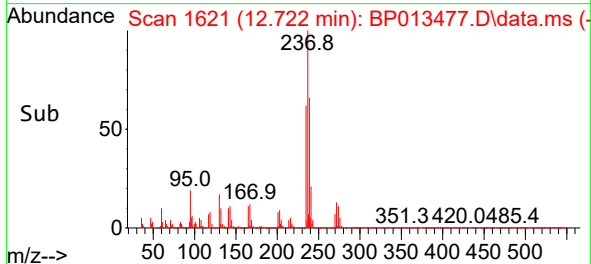
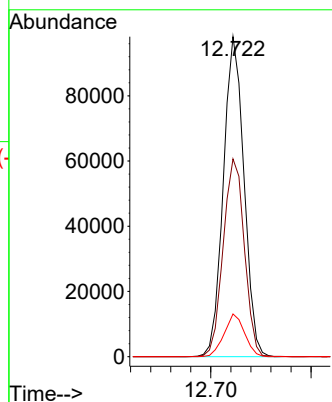
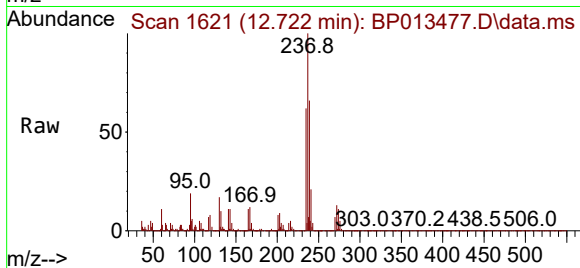
Tgt Ion:237 Resp: 140062

Ion Ratio Lower Upper

237 100

235 61.8 43.4 83.4

272 13.4 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 97.954 ng

RT: 16.057 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

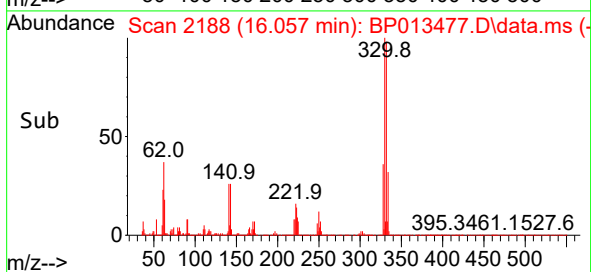
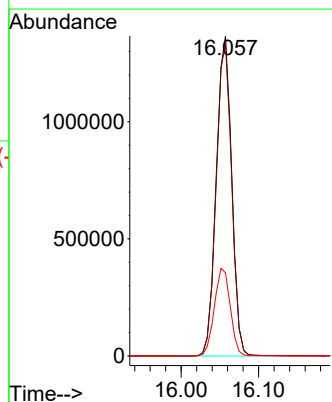
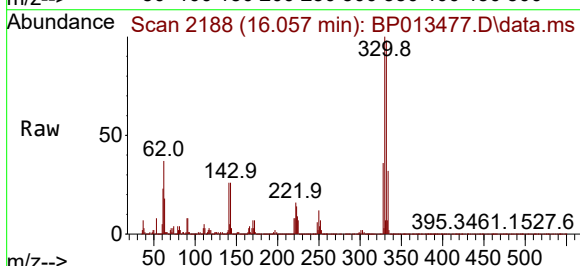
Tgt Ion:330 Resp: 1896224

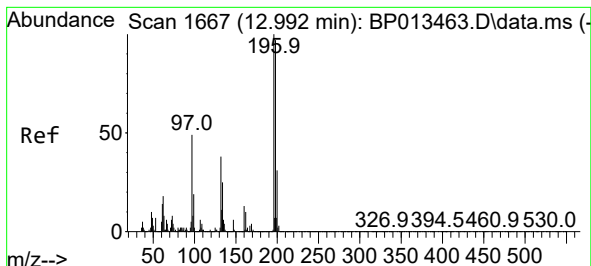
Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.4

141 28.2 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 7.013 ng

RT: 12.993 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

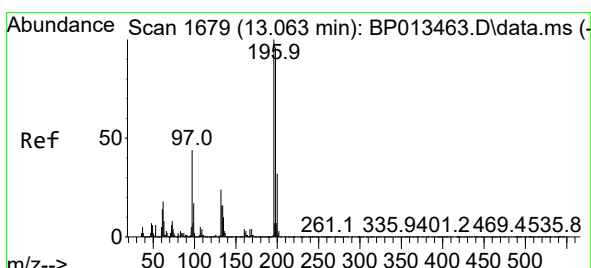
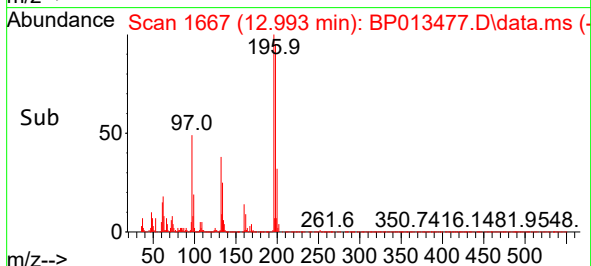
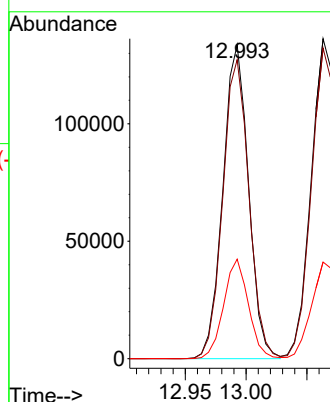
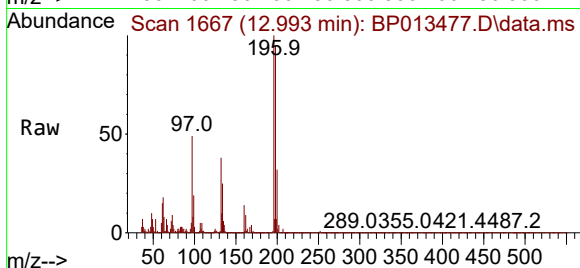
Tgt Ion:196 Resp: 196003

Ion Ratio Lower Upper

196 100

198 95.3 77.4 116.0

200 31.7 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 6.427 ng

RT: 13.063 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Tgt Ion:196 Resp: 210771

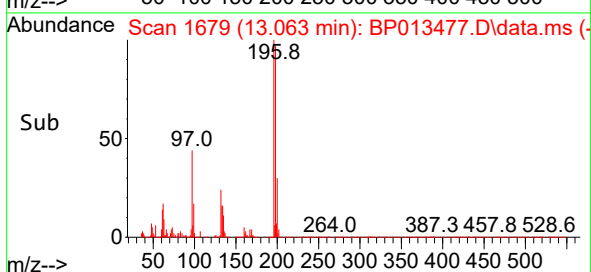
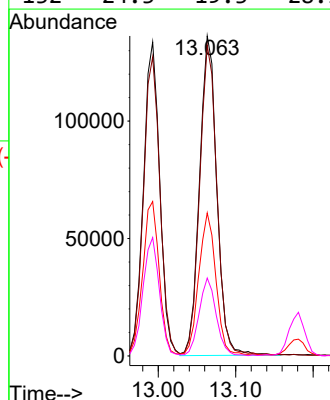
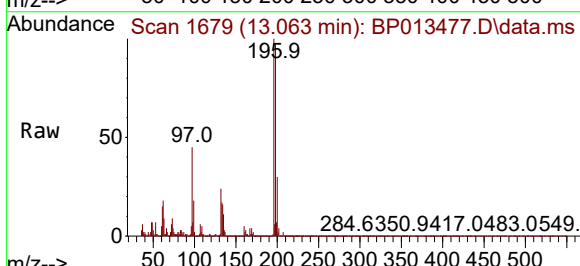
Ion Ratio Lower Upper

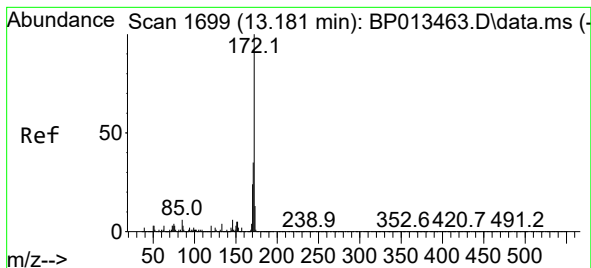
196 100

198 97.0 76.8 115.2

97 44.7 34.9 52.3

132 24.3 19.3 28.9





#45

2-Fluorobiphenyl

Concen: 73.042 ng

RT: 13.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

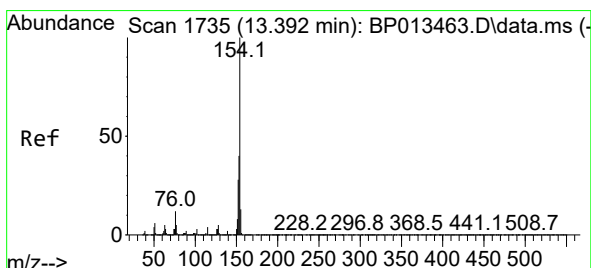
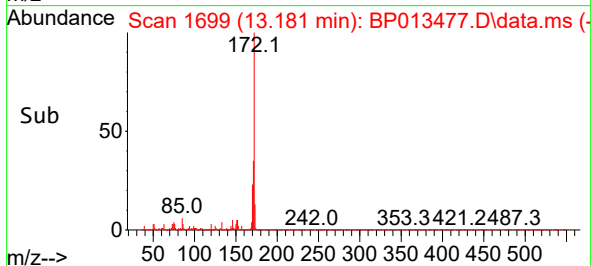
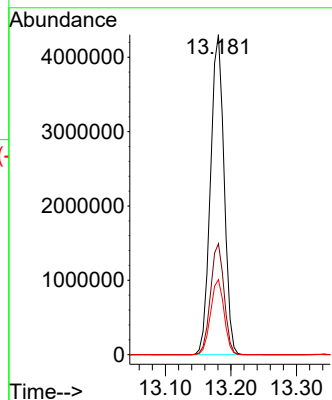
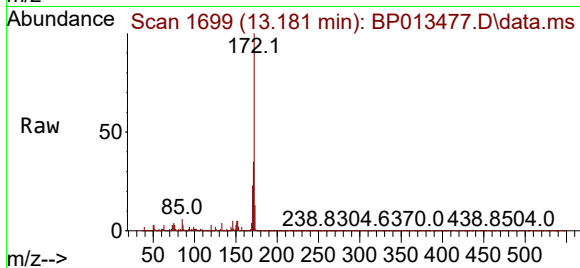
Tgt Ion:172 Resp: 6196501

Ion Ratio Lower Upper

172 100

171 34.7 28.0 42.0

170 23.5 19.0 28.4



#46

1,1'-Biphenyl

Concen: 7.645 ng

RT: 13.393 min Scan# 1735

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

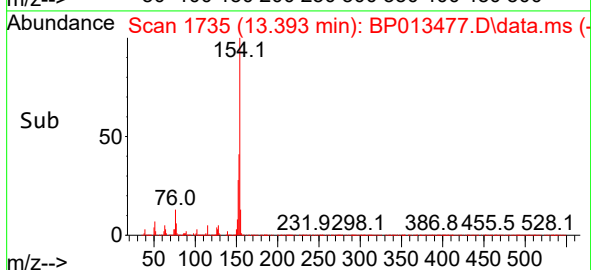
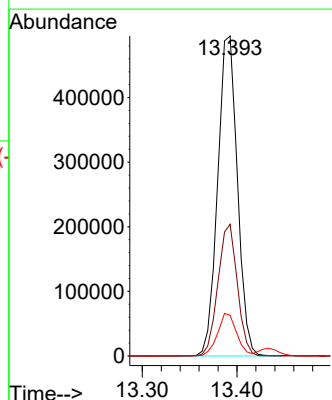
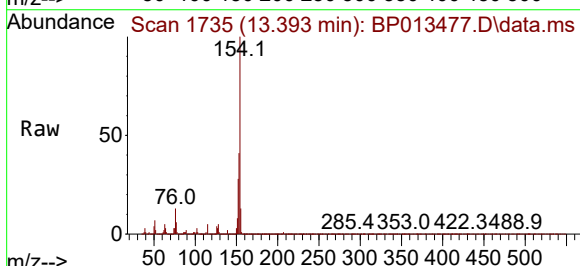
Tgt Ion:154 Resp: 716806

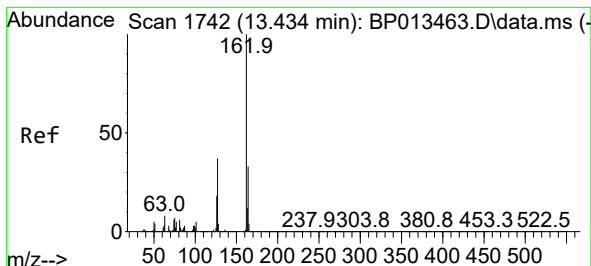
Ion Ratio Lower Upper

154 100

153 41.1 19.9 59.9

76 12.7 0.0 32.5





#47

2-Chloronaphthalene

Concen: 7.623 ng

RT: 13.434 min Scan# 1742

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

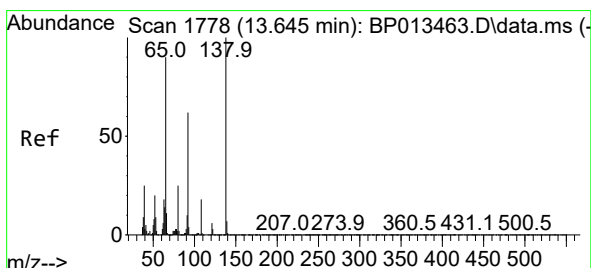
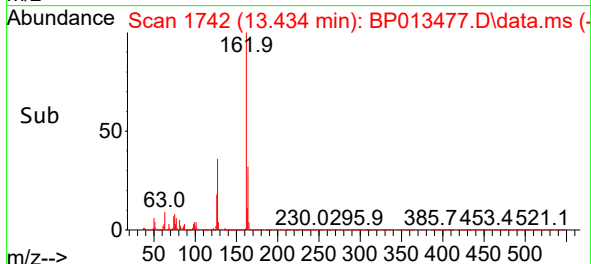
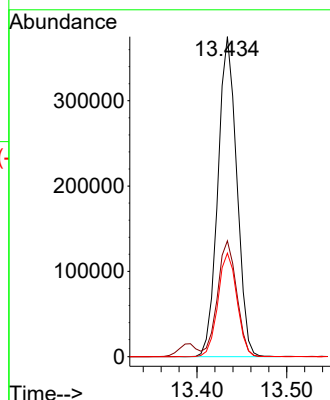
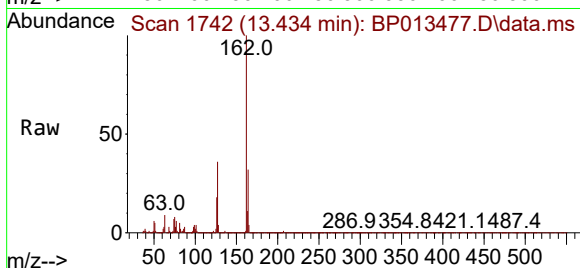
Tgt Ion:162 Resp: 548198

Ion Ratio Lower Upper

162 100

127 36.2 29.8 44.8

164 32.4 26.4 39.6



#48

2-Nitroaniline

Concen: 6.333 ng

RT: 13.646 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

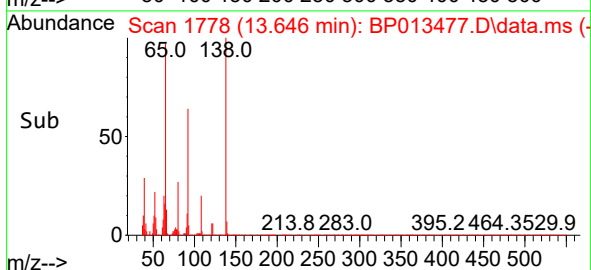
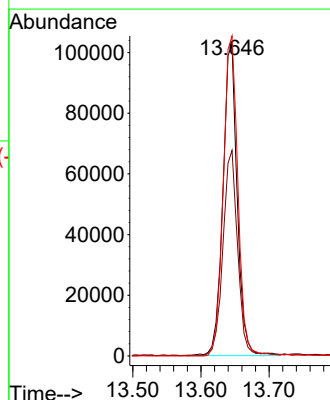
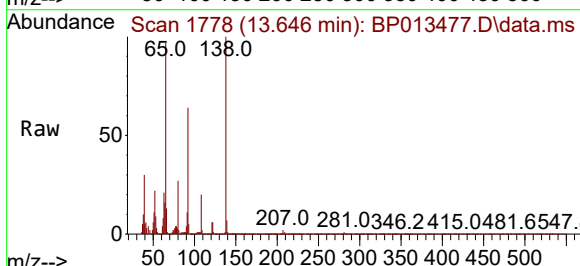
Tgt Ion: 65 Resp: 149911

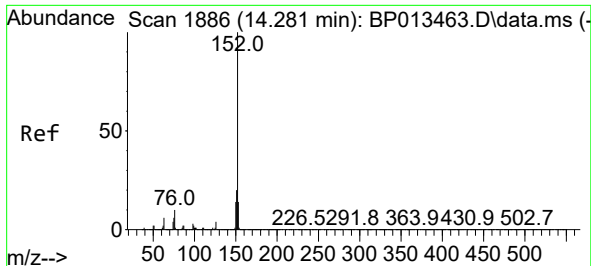
Ion Ratio Lower Upper

65 100

92 66.0 55.1 82.7

138 102.7 88.5 132.7

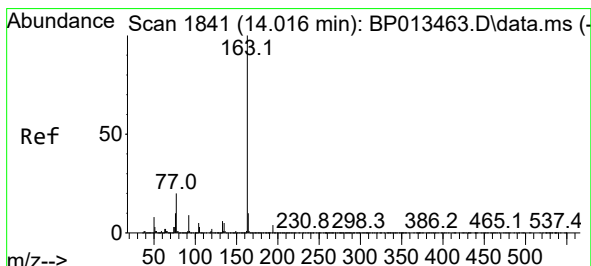
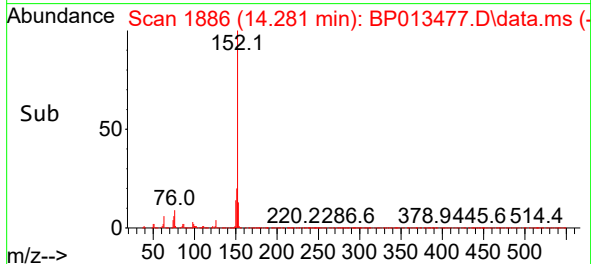
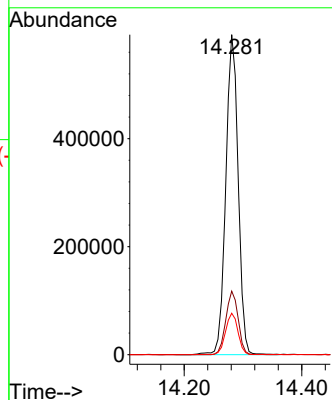
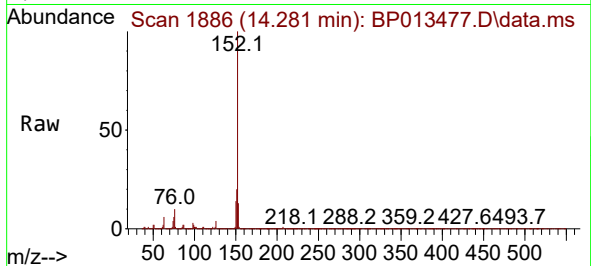




#49
Acenaphthylene
Concen: 7.276 ng
RT: 14.281 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

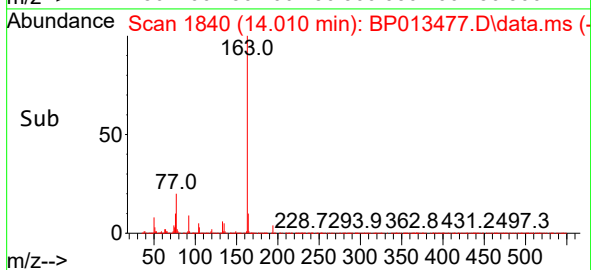
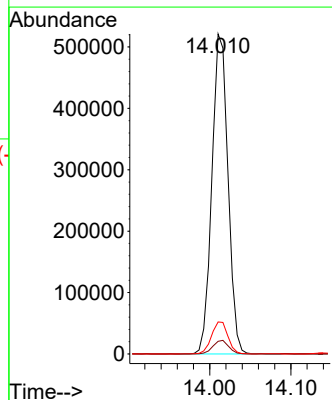
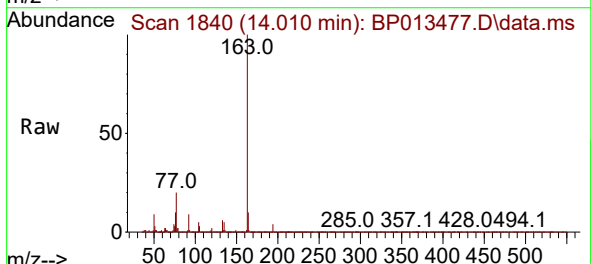
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

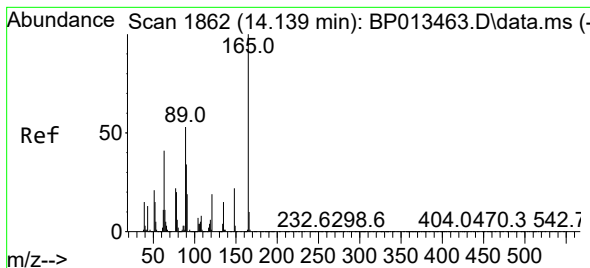
Tgt Ion:152 Resp: 862873
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.0 10.9 16.3



#50
Dimethylphthalate
Concen: 7.291 ng
RT: 14.010 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:163 Resp: 716980
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 6.804 ng

RT: 14.140 min Scan# 1862

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

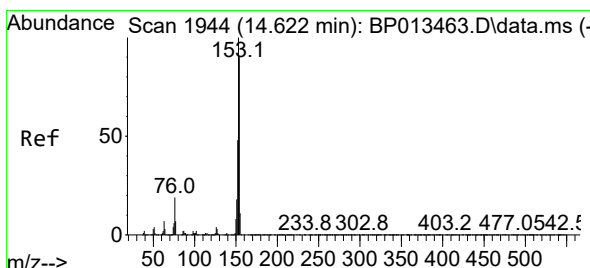
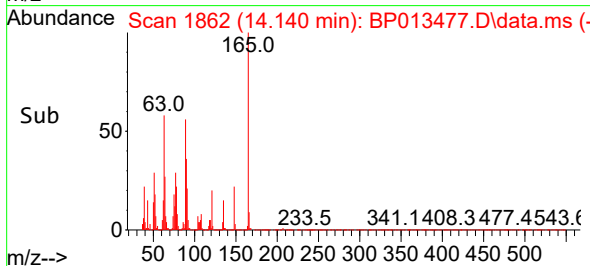
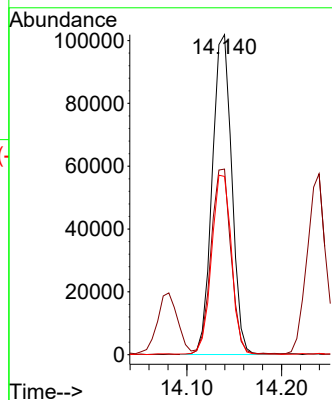
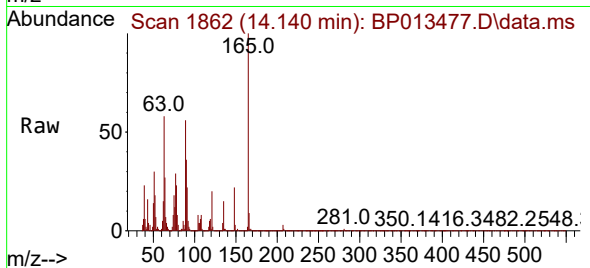
Tgt Ion:165 Resp: 145959

Ion Ratio Lower Upper

165 100

63 58.0 42.8 64.2

89 55.7 42.5 63.7



#52

Acenaphthene

Concen: 7.491 ng

RT: 14.622 min Scan# 1944

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

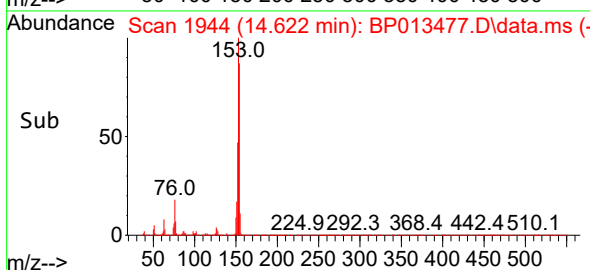
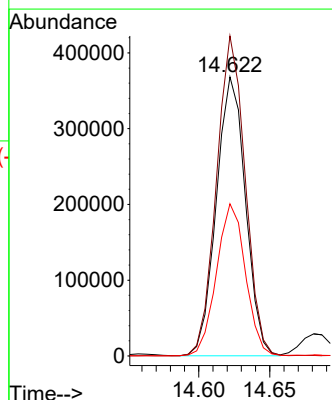
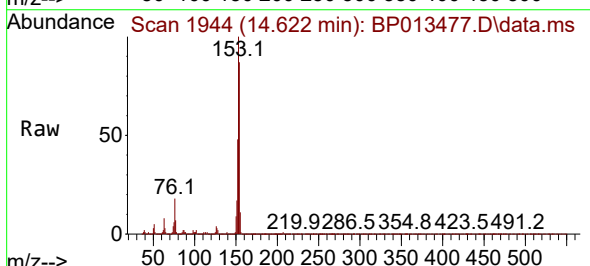
Tgt Ion:154 Resp: 525782

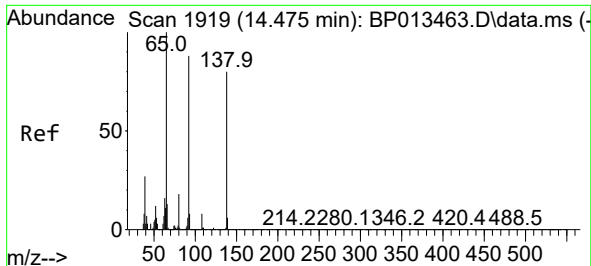
Ion Ratio Lower Upper

154 100

153 114.7 89.2 133.8

152 54.5 42.8 64.2

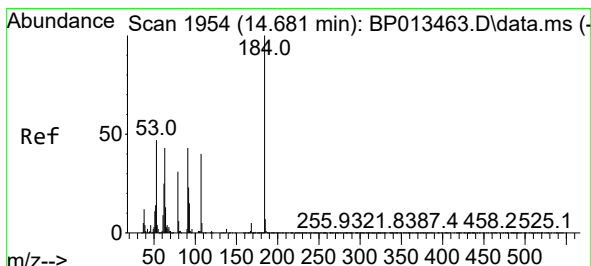
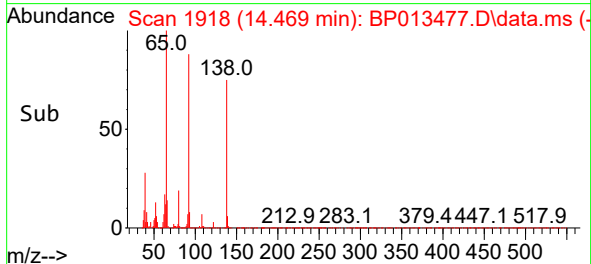
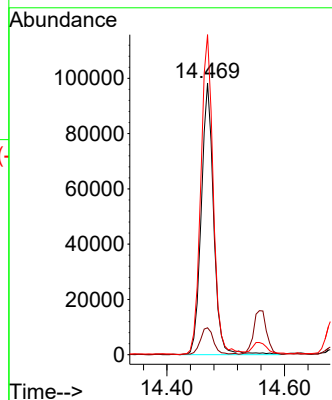
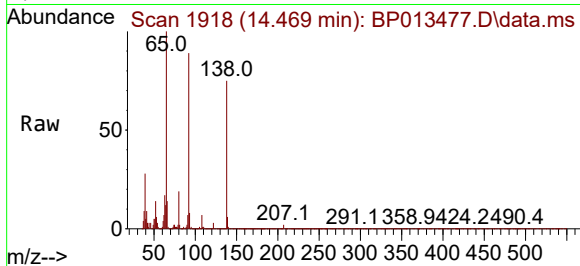




#53
3-Nitroaniline
Concen: 6.273 ng
RT: 14.469 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

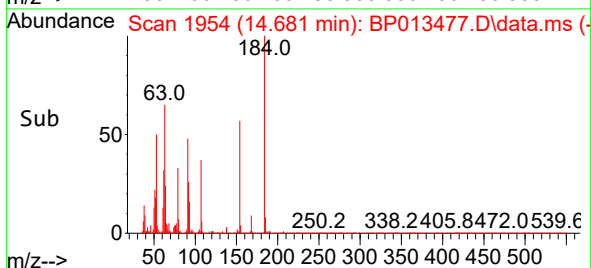
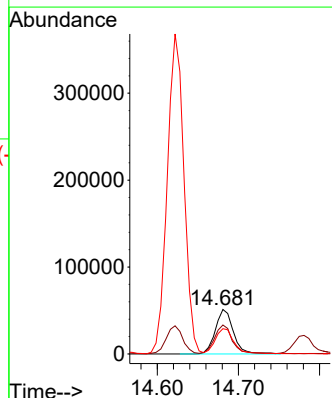
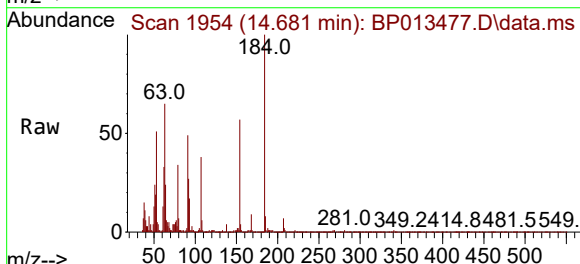
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

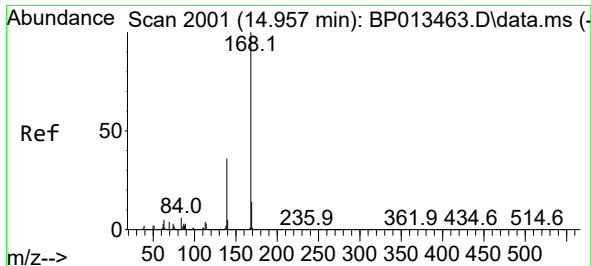
Tgt Ion:138 Resp: 143964
Ion Ratio Lower Upper
138 100
108 9.9 7.7 11.5
92 117.8 88.2 132.2



#54
2,4-Dinitrophenol
Concen: 5.414 ng
RT: 14.681 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:184 Resp: 78925
Ion Ratio Lower Upper
184 100
63 65.1 49.8 74.8
154 56.9 45.8 68.8

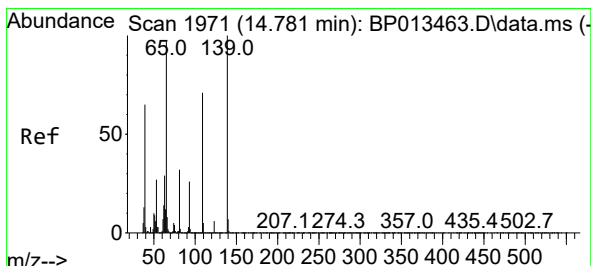
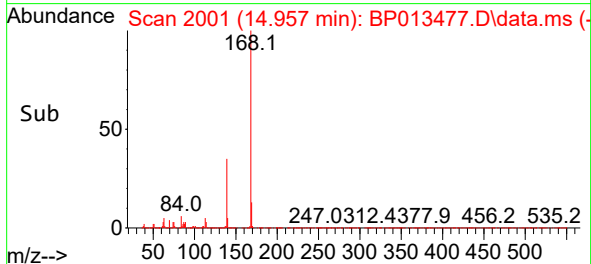
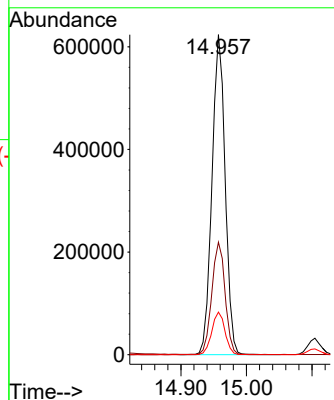
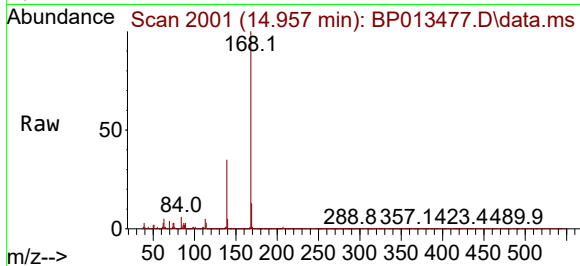




#55
Dibenzenofuran
Concen: 7.479 ng
RT: 14.957 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

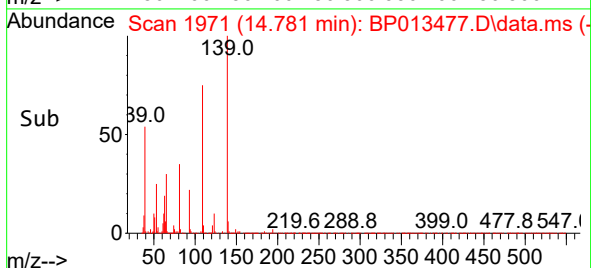
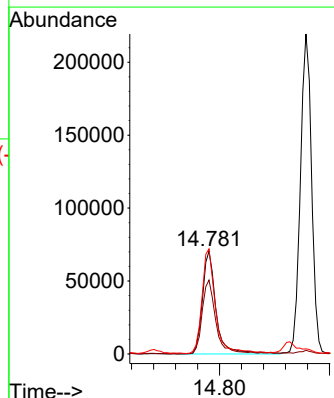
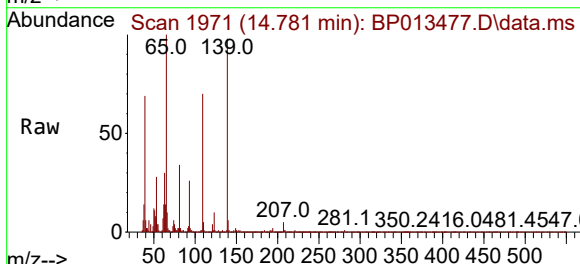
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

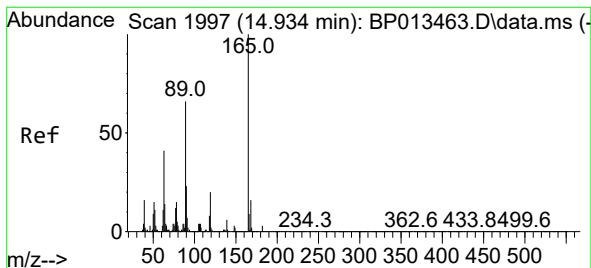
Tgt Ion:168 Resp: 870371
Ion Ratio Lower Upper
168 100
139 35.2 28.6 43.0
169 13.3 11.0 16.6



#56
4-Nitrophenol
Concen: 6.539 ng
RT: 14.781 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:139 Resp: 120580
Ion Ratio Lower Upper
139 100
109 71.9 51.0 91.0
65 102.2 77.3 117.3

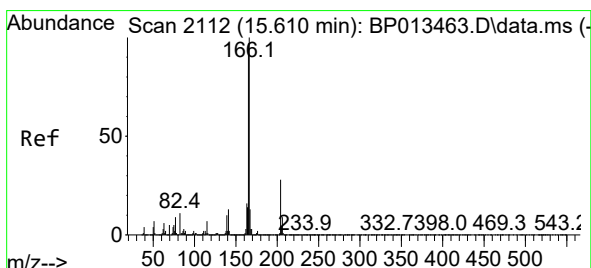
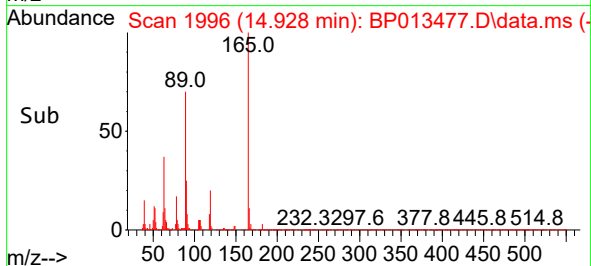
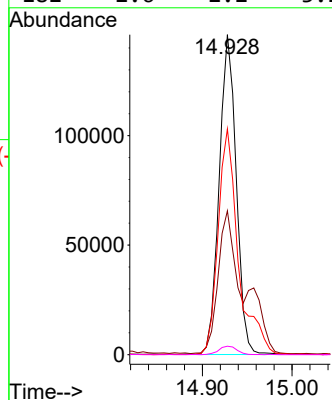
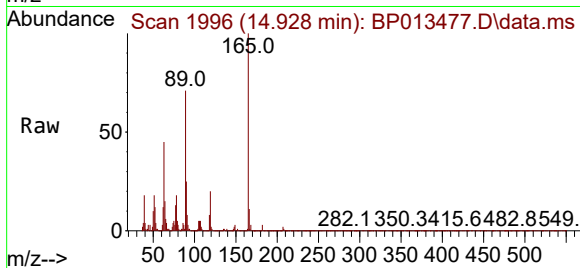




#57
2,4-Dinitrotoluene
Concen: 6.572 ng
RT: 14.928 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

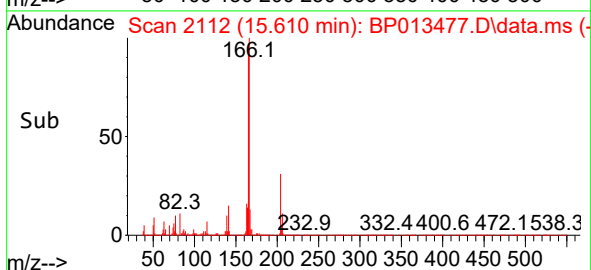
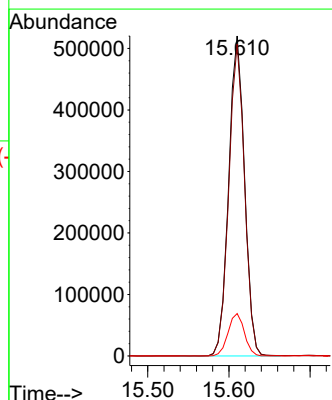
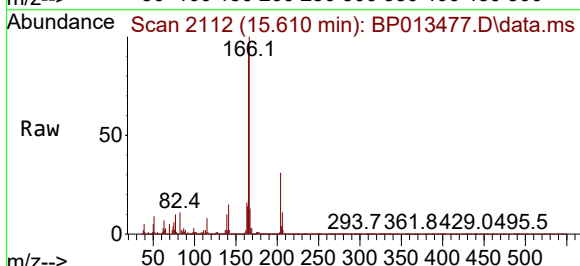
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

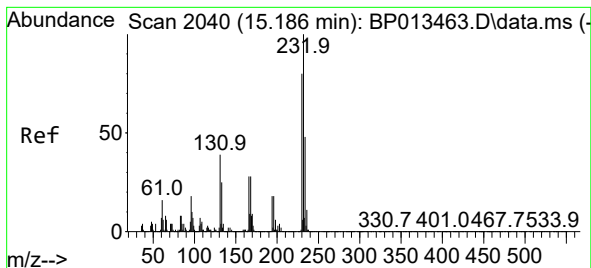
Tgt Ion:165 Resp: 192779
Ion Ratio Lower Upper
165 100
63 45.0 33.3 49.9
89 70.6 52.6 78.8
182 2.6 2.2 3.2



#58
Fluorene
Concen: 7.700 ng
RT: 15.610 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:166 Resp: 707189
Ion Ratio Lower Upper
166 100
165 97.5 77.9 116.9
167 13.3 10.7 16.1

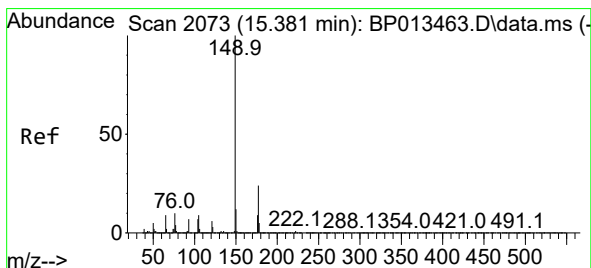
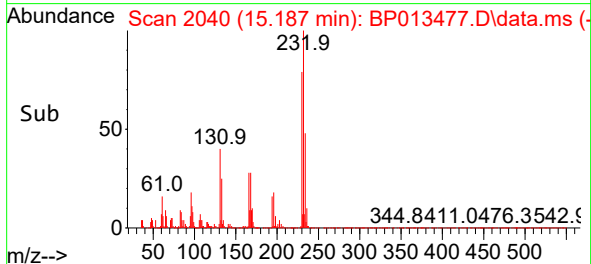
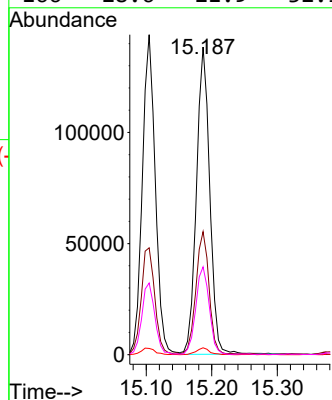
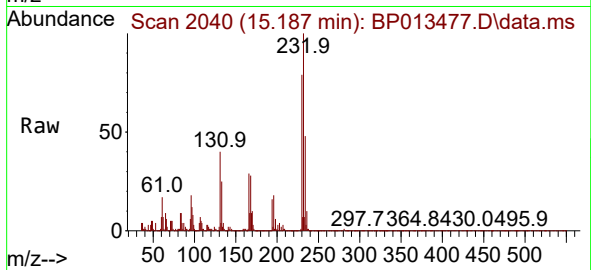




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.900 ng
RT: 15.187 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

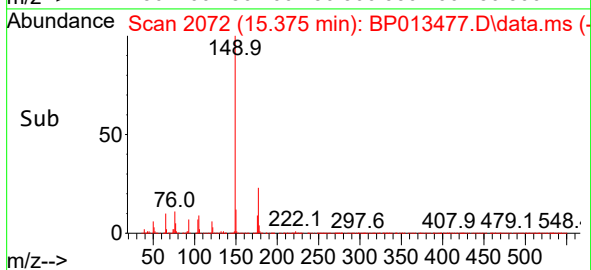
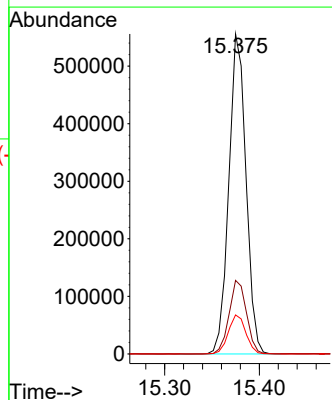
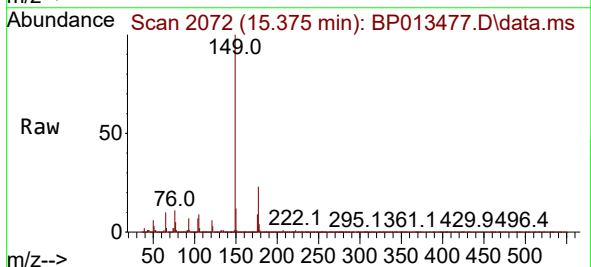
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

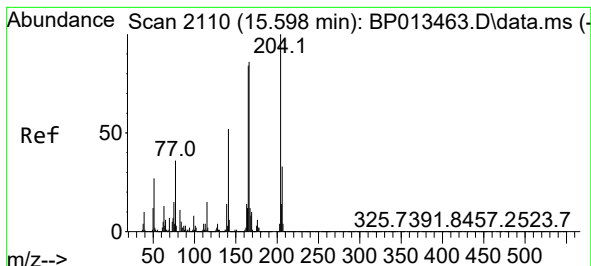
Tgt Ion:	232	Resp:	195682
Ion Ratio	Lower	Upper	
232	100		
131	39.0	30.3	45.5
130	2.2	1.7	2.5
166	28.6	21.9	32.9



#60
Diethylphthalate
Concen: 7.276 ng
RT: 15.375 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:	149	Resp:	700192
Ion Ratio	Lower	Upper	
149	100		
177	23.0	18.8	28.2
150	12.2	9.9	14.9

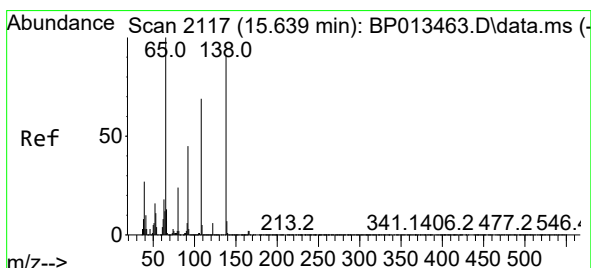
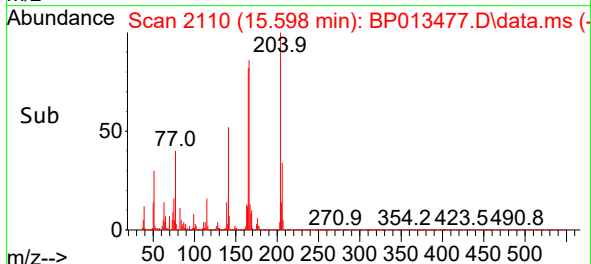
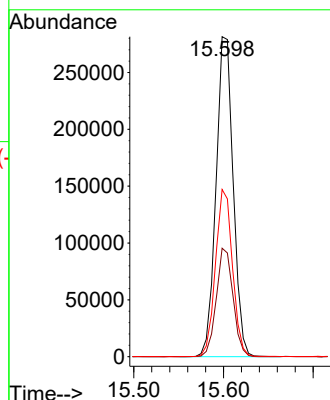
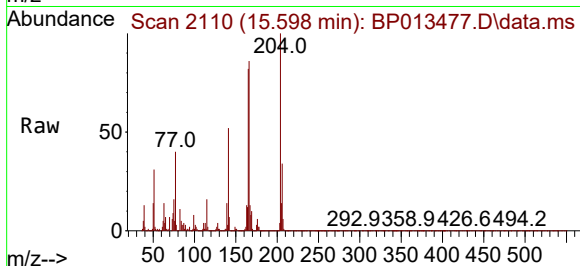




#61
4-Chlorophenyl-phenylether
Concen: 7.662 ng
RT: 15.598 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

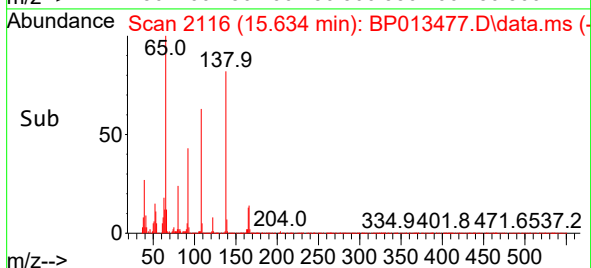
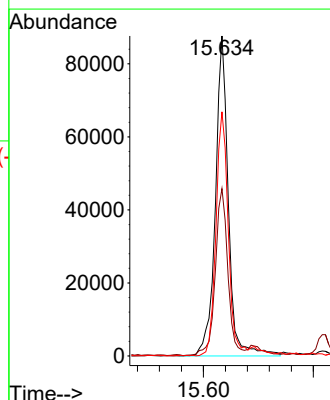
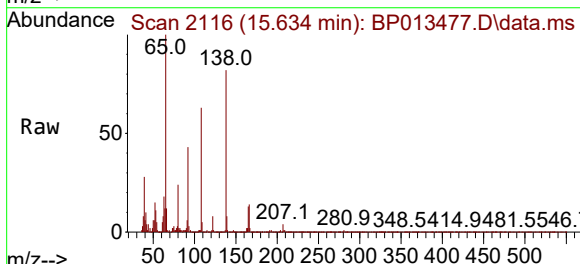
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

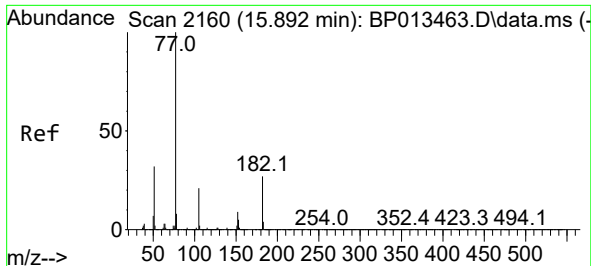
Tgt Ion:204 Resp: 373668
Ion Ratio Lower Upper
204 100
206 33.9 26.4 39.6
141 52.3 41.3 61.9



#62
4-Nitroaniline
Concen: 6.135 ng
RT: 15.634 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:138 Resp: 144163
Ion Ratio Lower Upper
138 100
92 52.3 29.7 69.7
108 76.3 55.8 95.8

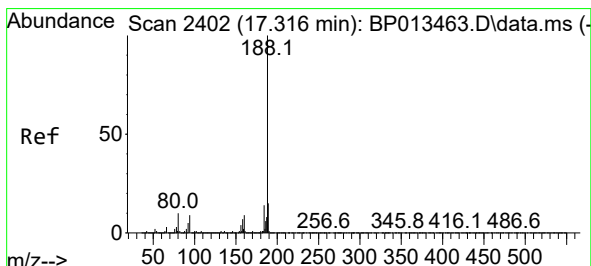
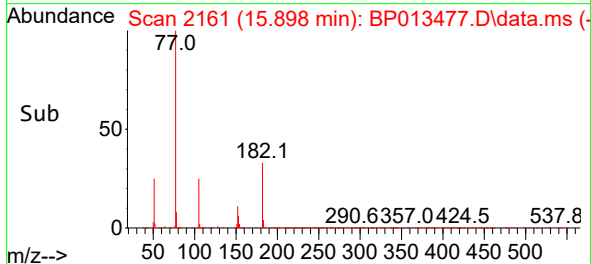
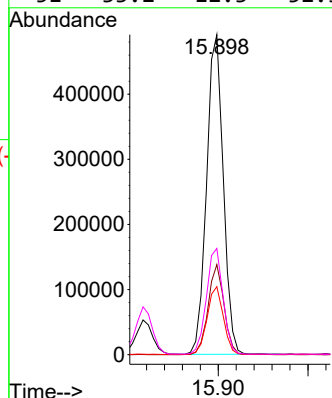
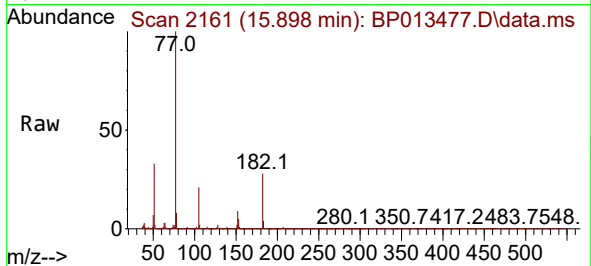




#63
Azobenzene
Concen: 7.166 ng
RT: 15.898 min Scan# 2160
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

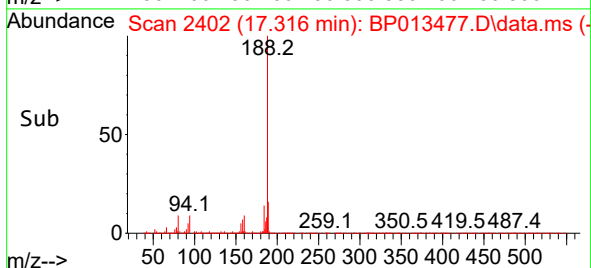
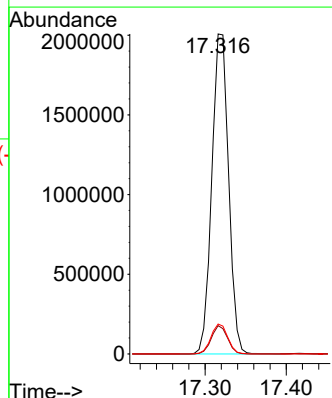
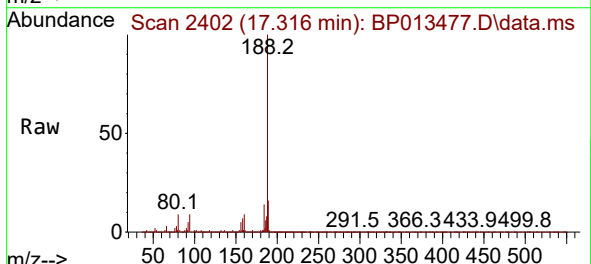
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

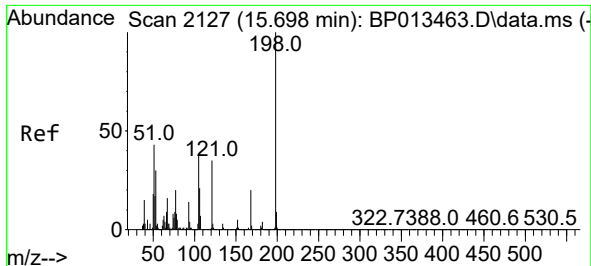
Tgt Ion: 77	Resp: 633177
Ion Ratio	Lower Upper
77 100	
182 28.1	7.0 47.0
105 21.2	1.0 41.0
51 33.2	12.3 52.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:188	Resp: 2878511		
Ion Ratio	Lower	Upper	
188 100			
94 8.8	7.1	10.7	
80 9.3	7.9	11.9	

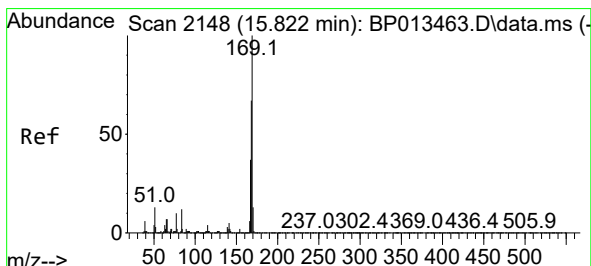
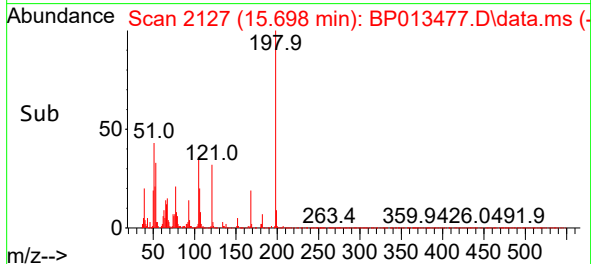
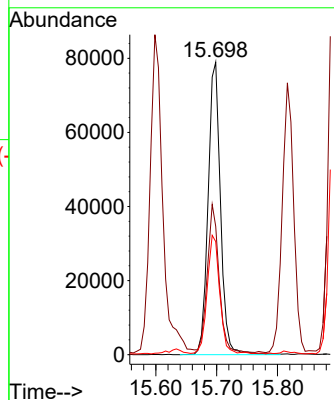
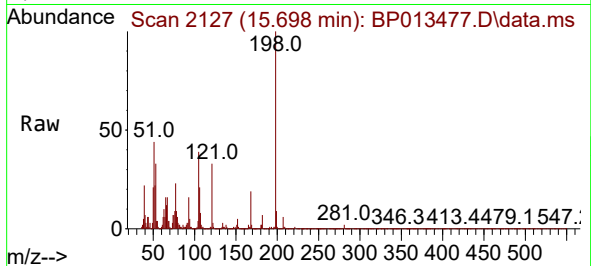




#65
4,6-Dinitro-2-methylphenol
Concen: 5.667 ng
RT: 15.698 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

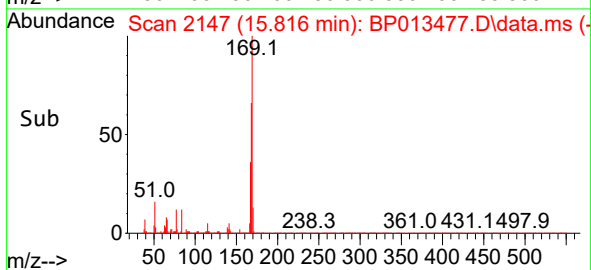
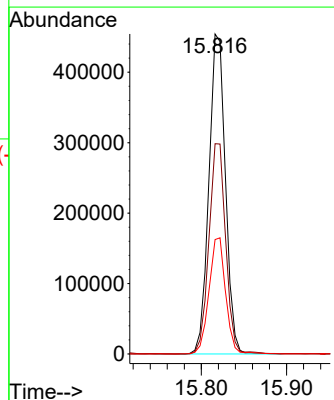
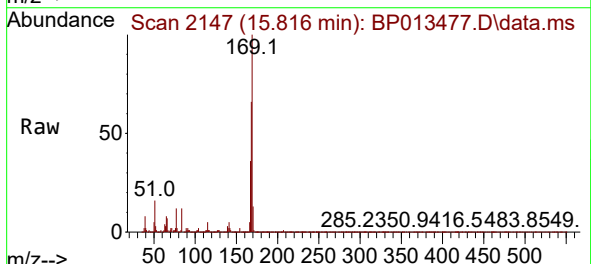
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

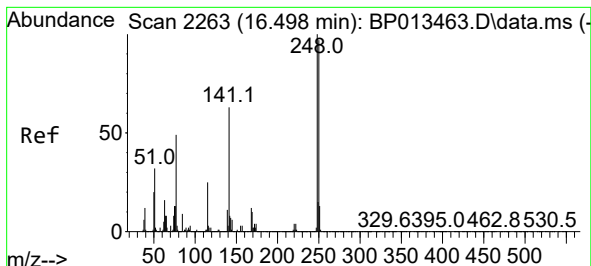
Tgt Ion:198 Resp: 111566
Ion Ratio Lower Upper
198 100
51 43.9 23.6 63.6
105 38.7 17.9 57.9



#66
n-Nitrosodiphenylamine
Concen: 7.253 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:169 Resp: 613494
Ion Ratio Lower Upper
169 100
168 65.7 53.3 79.9
167 35.8 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 7.050 ng

RT: 16.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

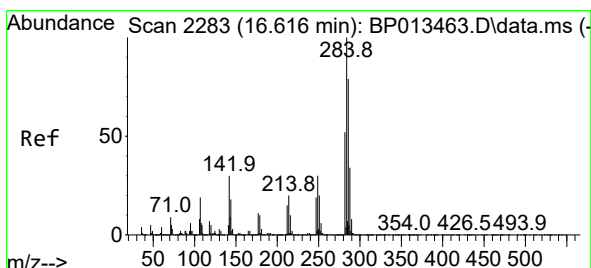
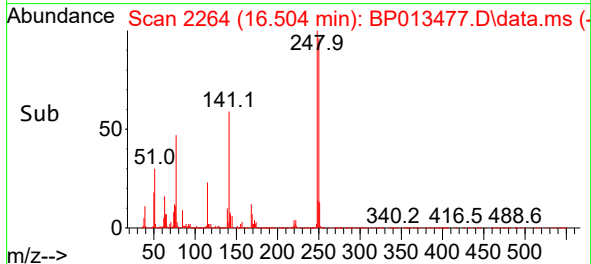
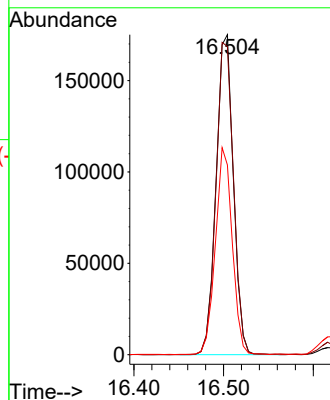
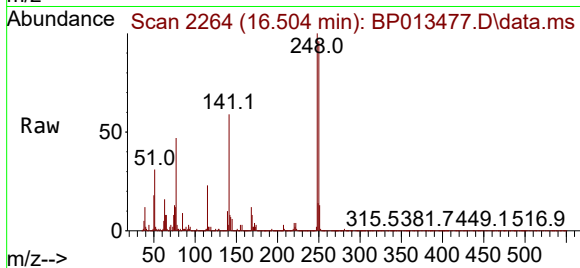
Tgt Ion:248 Resp: 233601

Ion Ratio Lower Upper

248 100

250 96.3 77.7 116.5

141 59.3 50.2 75.4



#68

Hexachlorobenzene

Concen: 7.805 ng

RT: 16.616 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

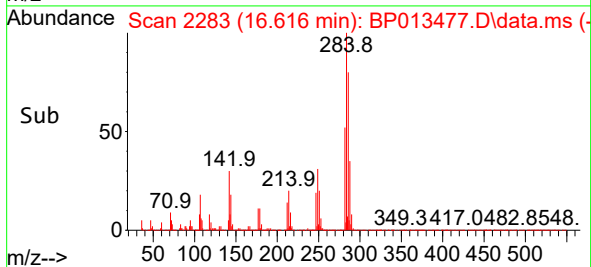
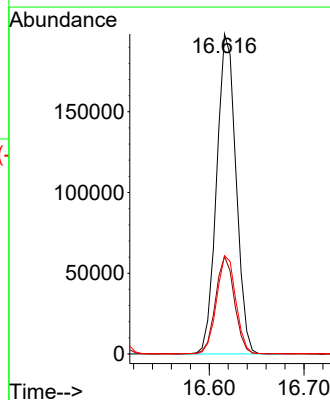
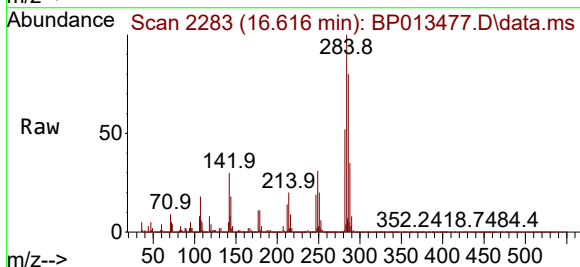
Tgt Ion:284 Resp: 281645

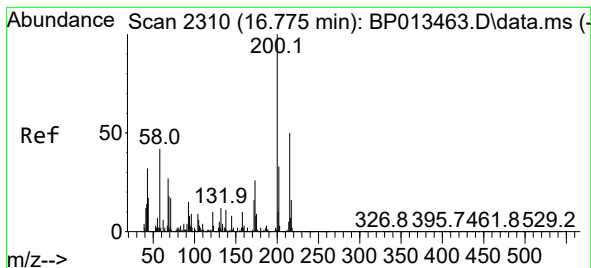
Ion Ratio Lower Upper

284 100

142 30.5 23.9 35.9

249 30.7 24.1 36.1





#69

Atrazine

Concen: 7.574 ng

RT: 16.775 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

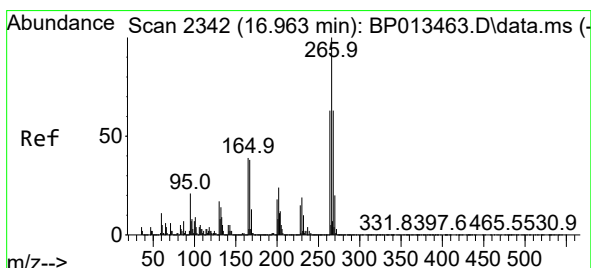
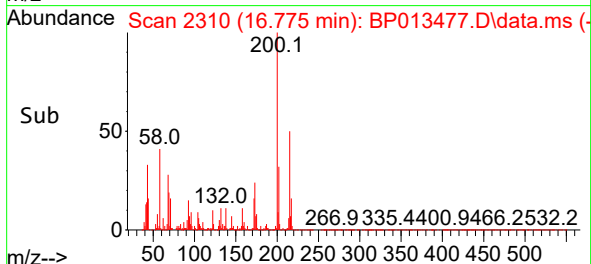
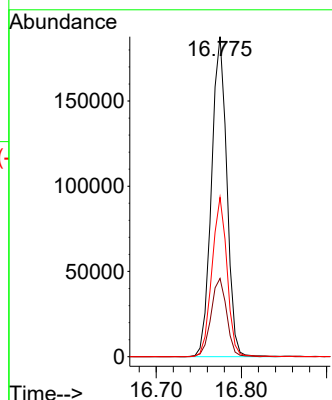
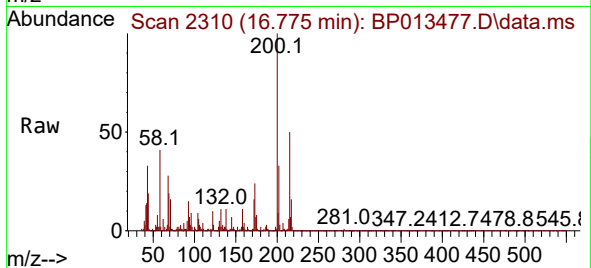
Tgt Ion:200 Resp: 234625

Ion Ratio Lower Upper

200 100

173 24.4 5.9 45.9

215 49.8 30.0 70.0



#70

Pentachlorophenol

Concen: 5.744 ng

RT: 16.969 min Scan# 2343

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

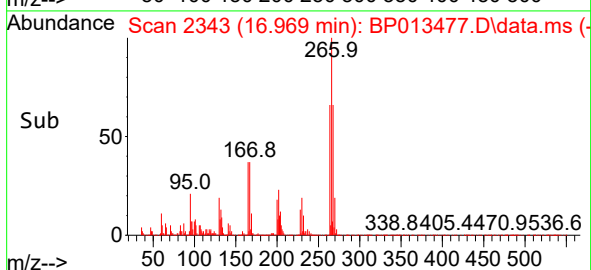
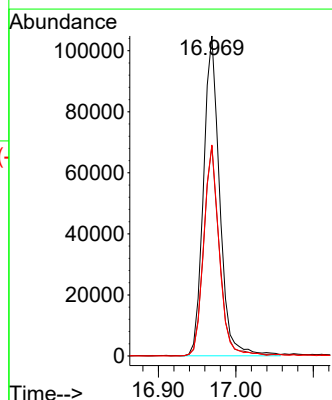
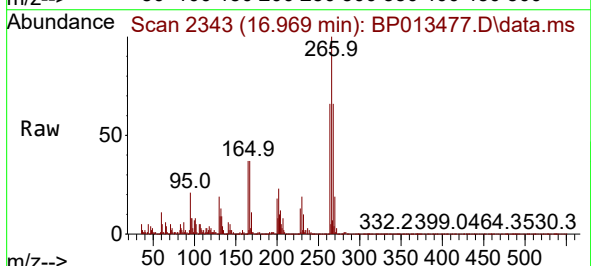
Tgt Ion:266 Resp: 151922

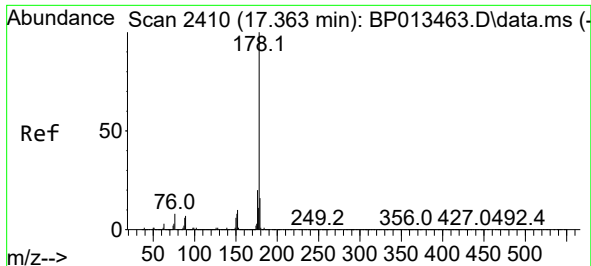
Ion Ratio Lower Upper

266 100

268 65.7 50.7 76.1

264 65.9 50.4 75.6

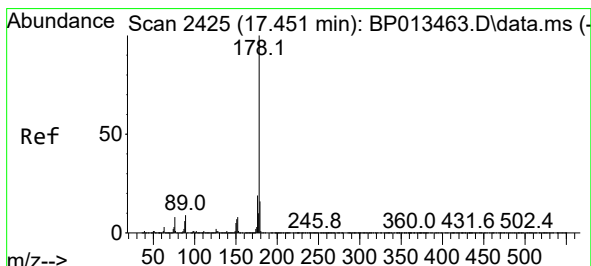
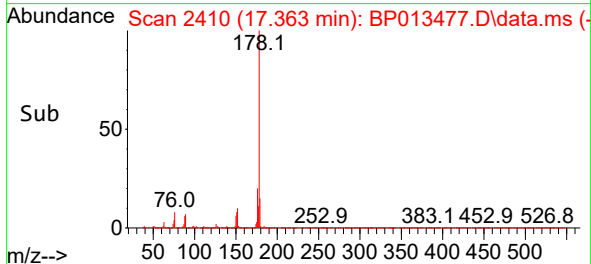
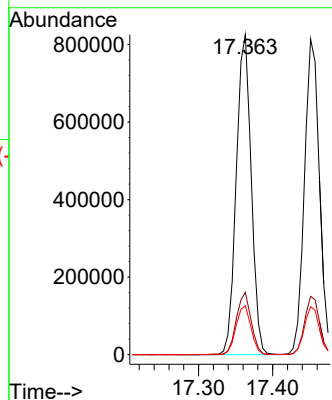
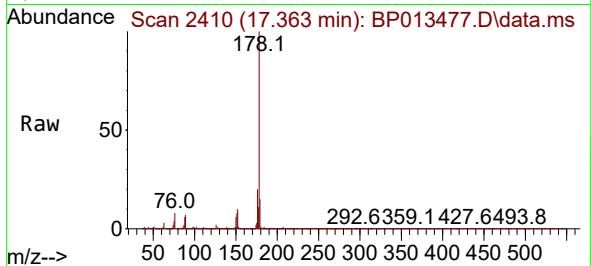




#71
Phenanthrene
Concen: 7.606 ng
RT: 17.363 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

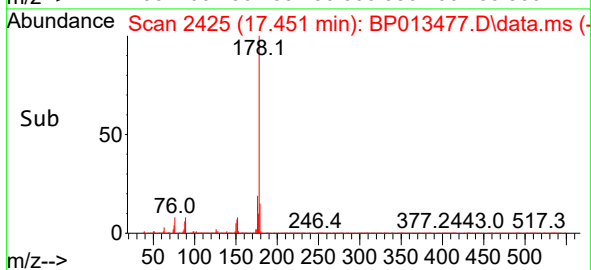
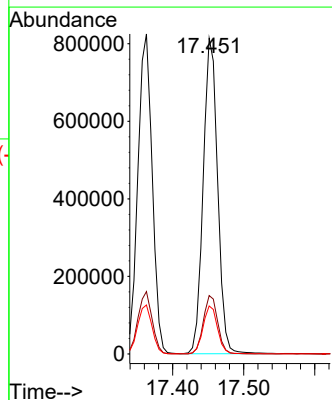
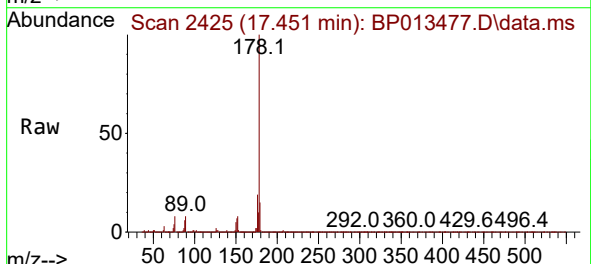
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

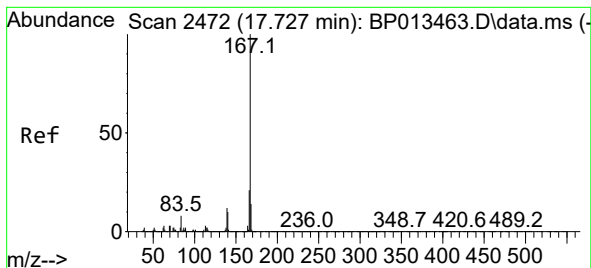
Tgt Ion:178 Resp: 1155206
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.3 12.6 19.0



#72
Anthracene
Concen: 7.451 ng
RT: 17.451 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:178 Resp: 1151491
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.2 12.6 18.8





#73

Carbazole

Concen: 7.452 ng

RT: 17.728 min Scan# 2472

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

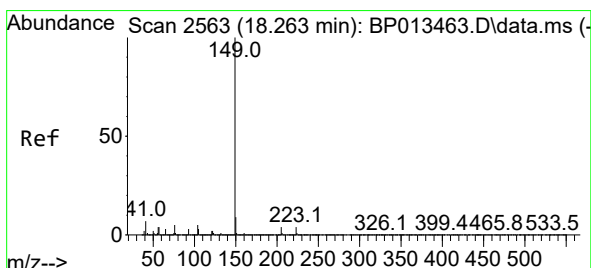
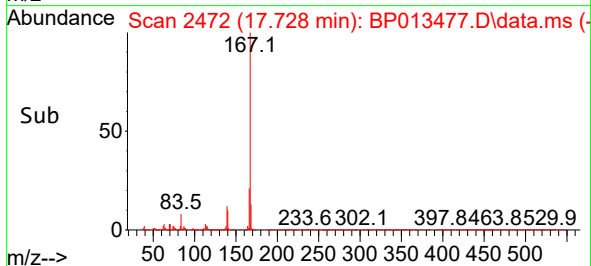
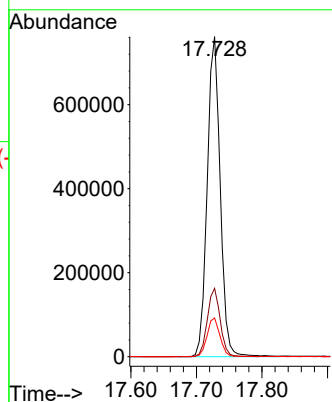
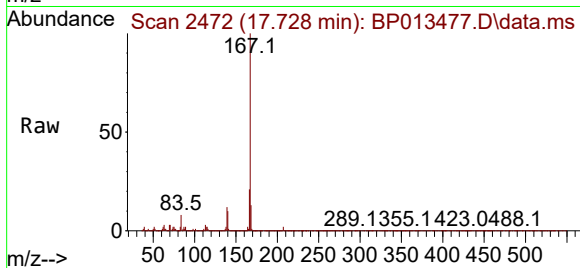
Tgt Ion:167 Resp: 1048955

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 12.1 9.9 14.9



#74

Di-n-butylphthalate

Concen: 7.204 ng

RT: 18.269 min Scan# 2564

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

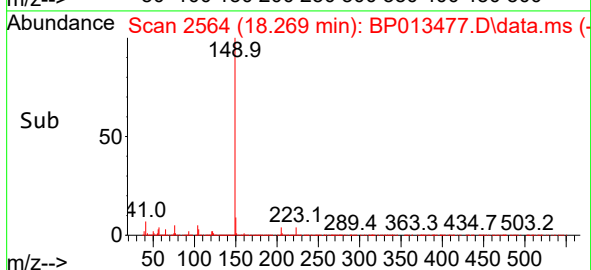
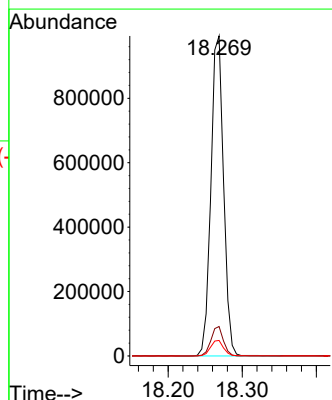
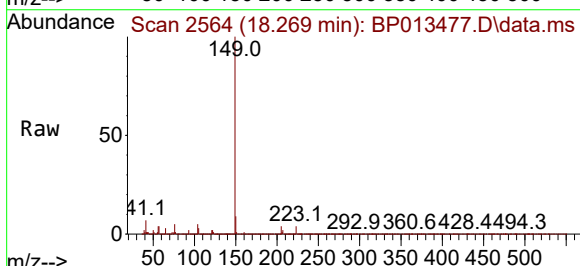
Tgt Ion:149 Resp: 1177050

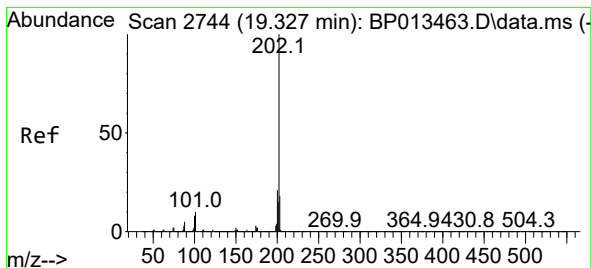
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.9 3.9 5.9





#75

Fluoranthene

Concen: 7.753 ng

RT: 19.328 min Scan# 2744

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

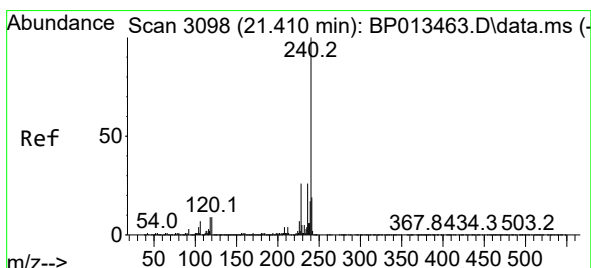
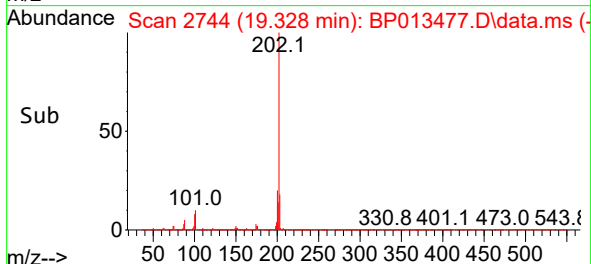
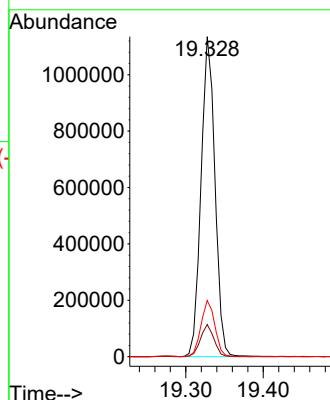
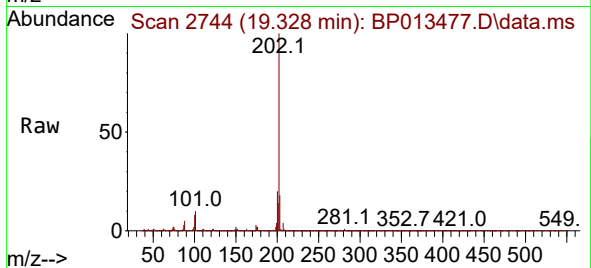
Tgt Ion:202 Resp: 1414396

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.3

203 17.5 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3098

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

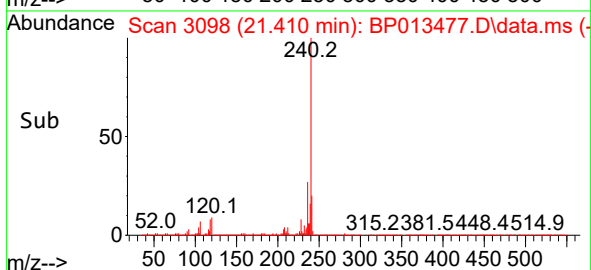
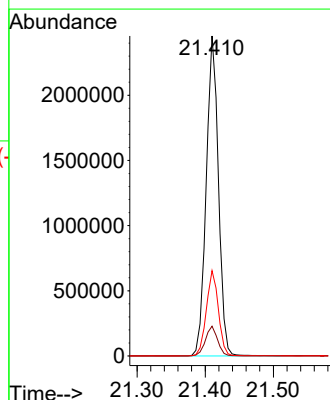
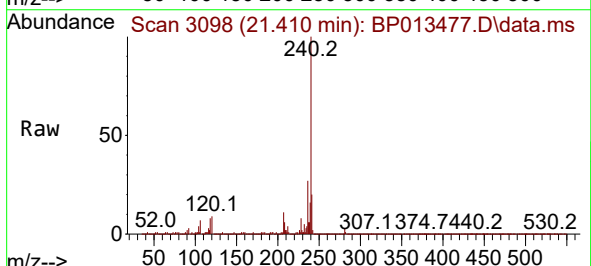
Tgt Ion:240 Resp: 3056914

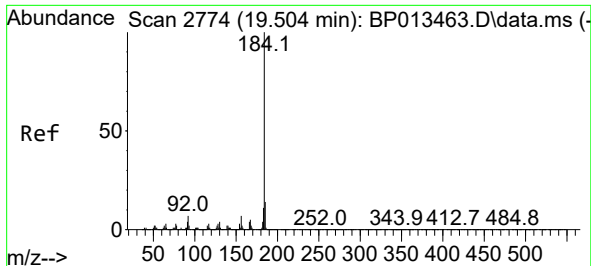
Ion Ratio Lower Upper

240 100

120 9.3 7.4 11.0

236 26.6 21.2 31.8

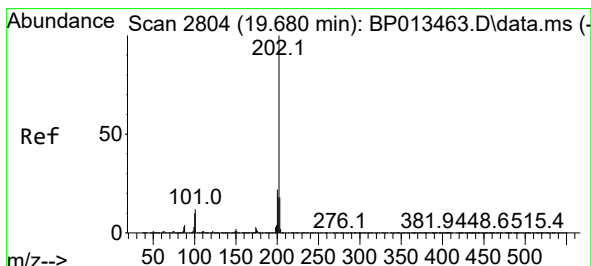
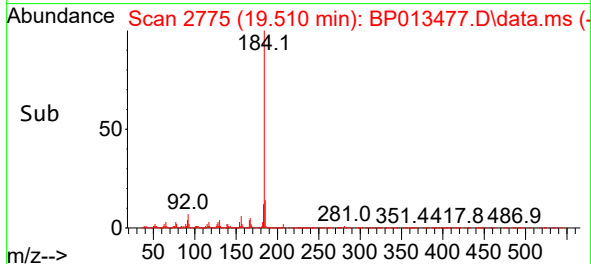
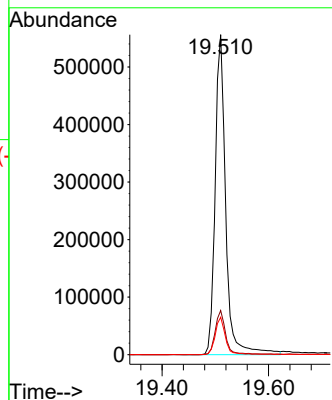
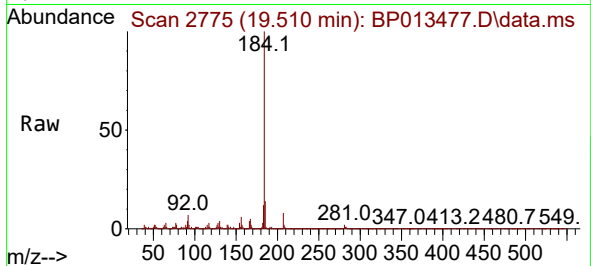




#77
Benzidine
Concen: 8.442 ng
RT: 19.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

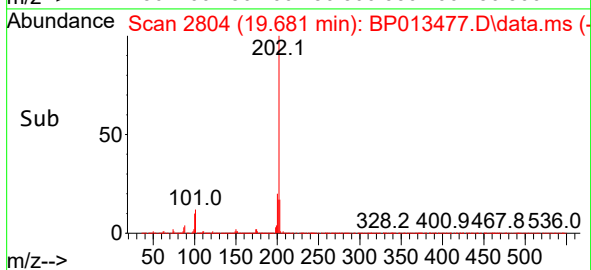
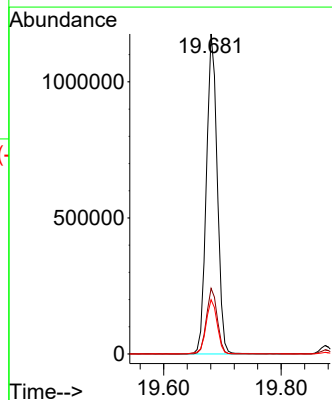
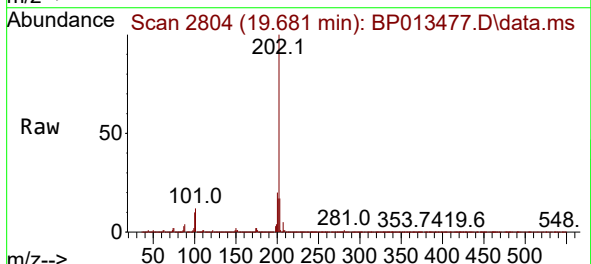
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

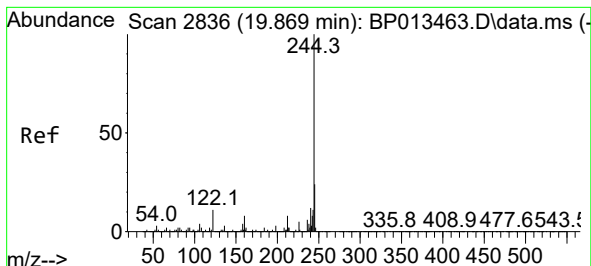
Tgt Ion:184 Resp: 766851
Ion Ratio Lower Upper
184 100
185 13.8 11.3 16.9
183 11.7 9.1 13.7



#78
Pyrene
Concen: 7.481 ng
RT: 19.681 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:202 Resp: 1504067
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.0 14.6 21.8





#79

Terphenyl-d14

Concen: 70.330 ng

RT: 19.875 min Scan# 2837

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

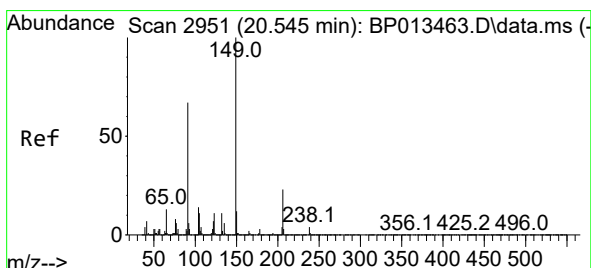
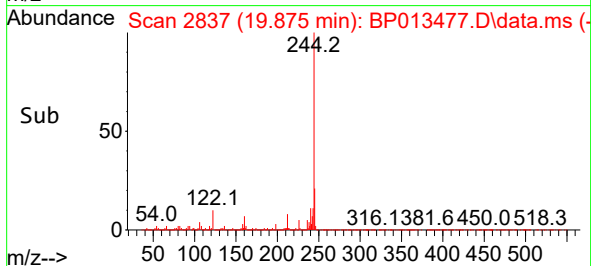
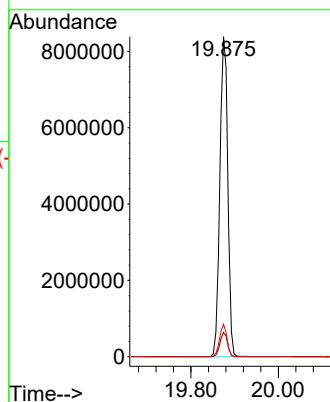
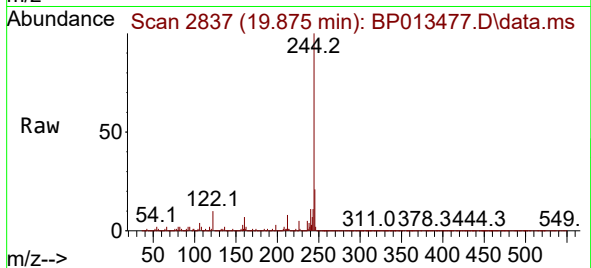
Tgt Ion:244 Resp:10516051

Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

122 10.1 8.8 13.2



#80

Butylbenzylphthalate

Concen: 6.405 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

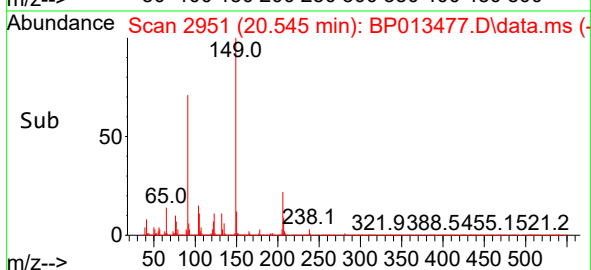
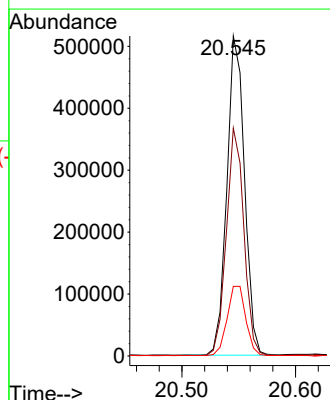
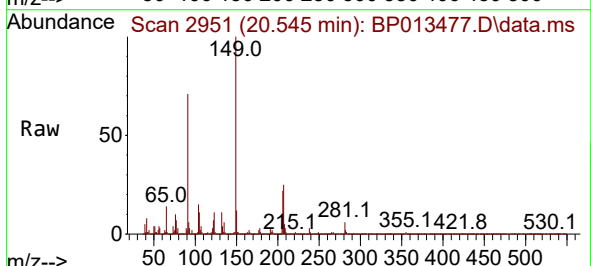
Tgt Ion:149 Resp: 556637

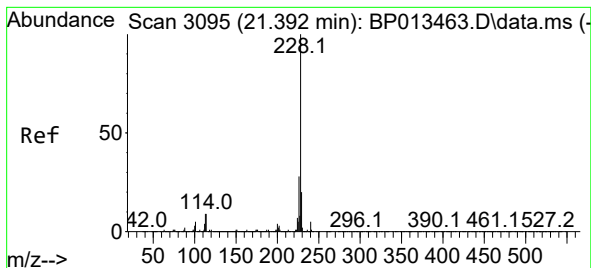
Ion Ratio Lower Upper

149 100

91 71.2 53.2 79.8

206 21.7 18.8 28.2





#81

Benzo(a)anthracene

Concen: 7.680 ng

RT: 21.392 min Scan# 3095

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

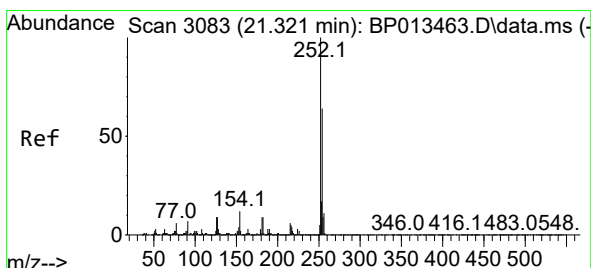
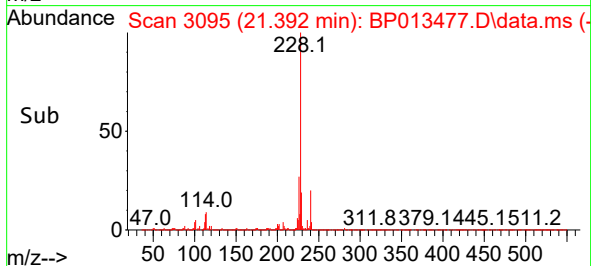
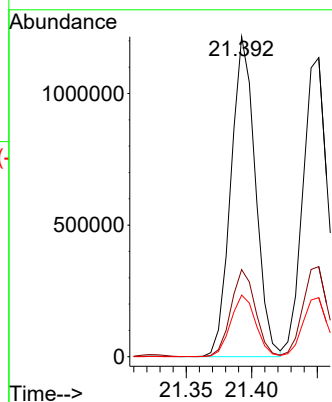
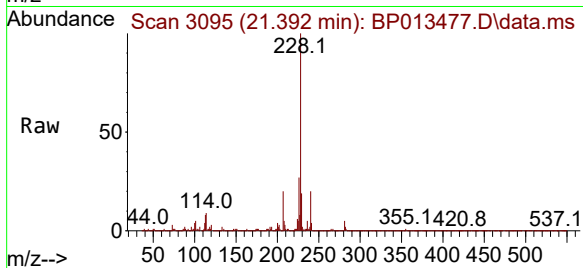
Tgt Ion:228 Resp: 1581043

Ion Ratio Lower Upper

228 100

226 27.2 22.6 34.0

229 19.2 16.4 24.6



#82

3,3'-Dichlorobenzidine

Concen: 8.160 ng

RT: 21.322 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

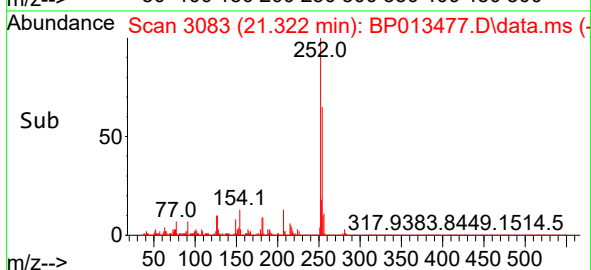
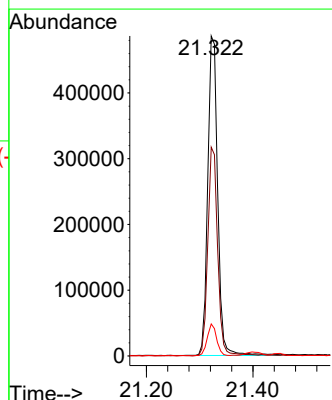
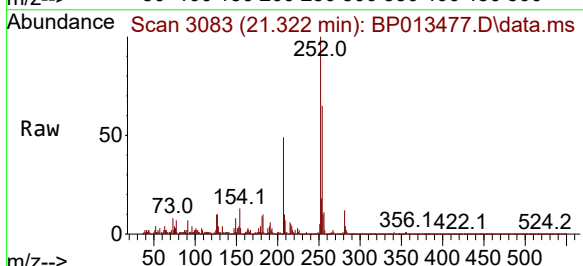
Tgt Ion:252 Resp: 627652

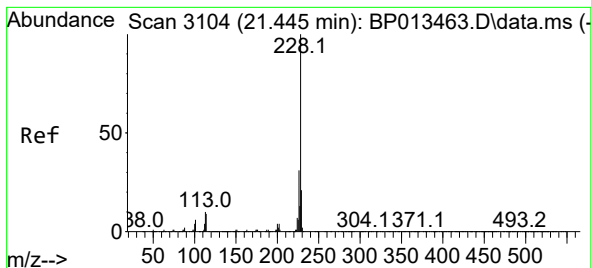
Ion Ratio Lower Upper

252 100

254 65.3 51.0 76.6

126 10.0 7.6 11.4





#83

Chrysene

Concen: 7.660 ng

RT: 21.451 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

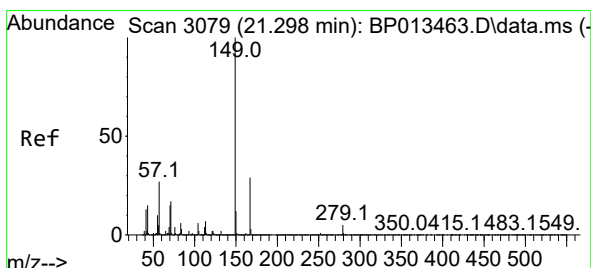
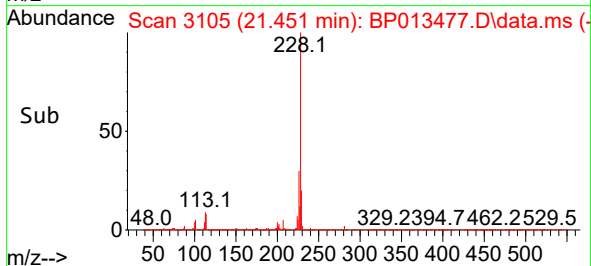
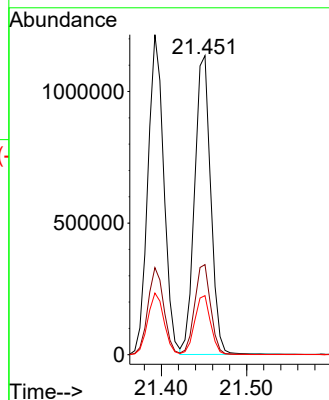
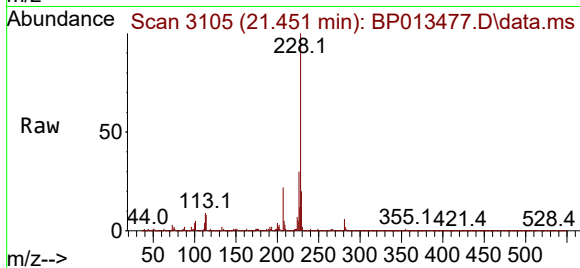
Tgt Ion:228 Resp: 1489972

Ion Ratio Lower Upper

228 100

226 30.1 25.1 37.7

229 19.8 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.904 ng

RT: 21.304 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

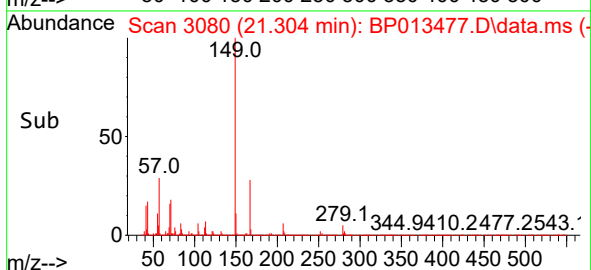
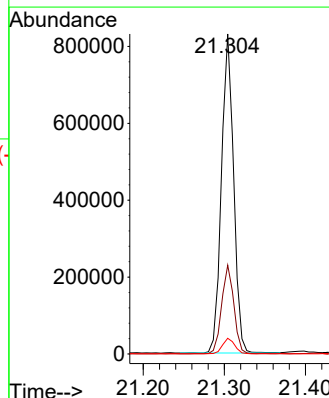
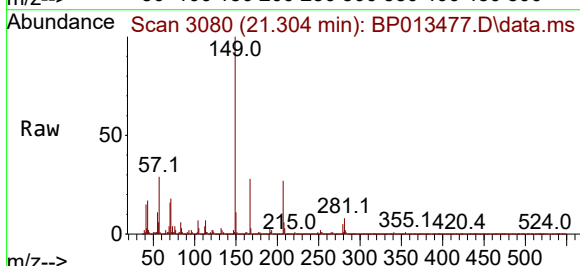
Tgt Ion:149 Resp: 868352

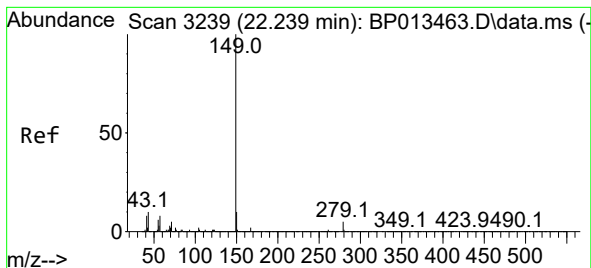
Ion Ratio Lower Upper

149 100

167 27.7 23.0 34.4

279 4.9 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 7.129 ng

RT: 22.245 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

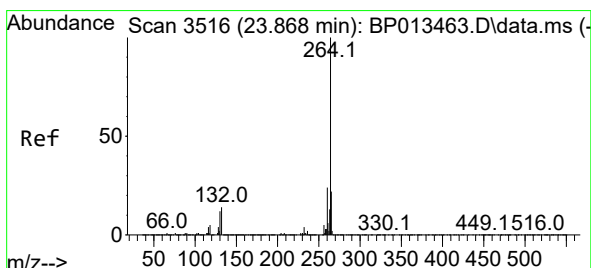
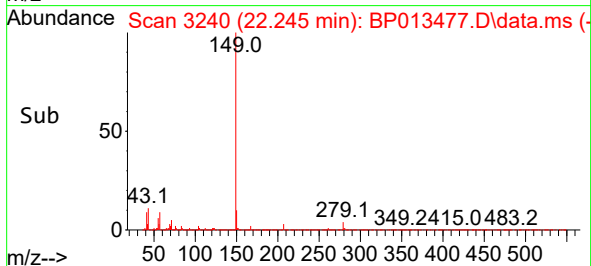
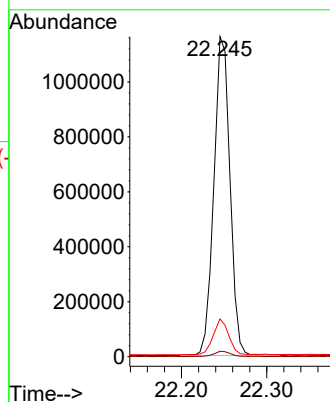
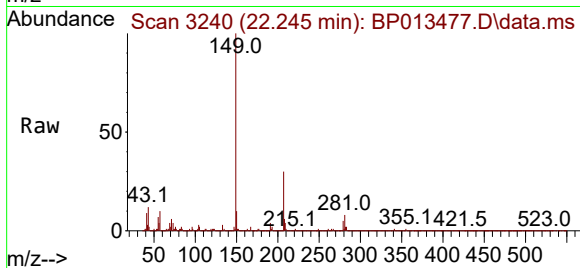
Tgt Ion:149 Resp: 1522185

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.8 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.874 min Scan# 3517

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

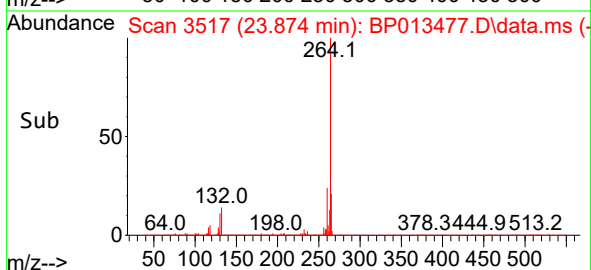
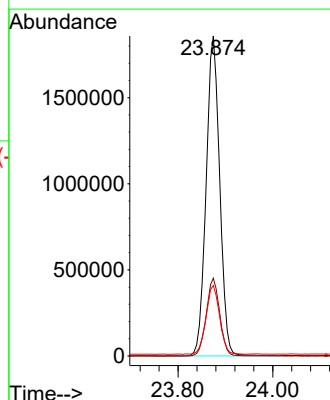
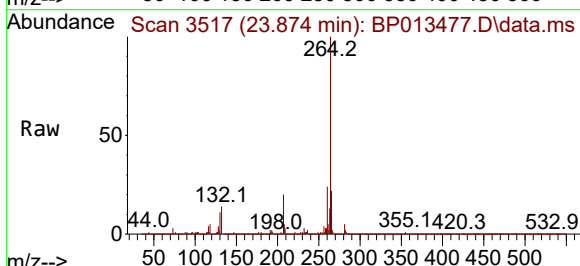
Tgt Ion:264 Resp: 3695546

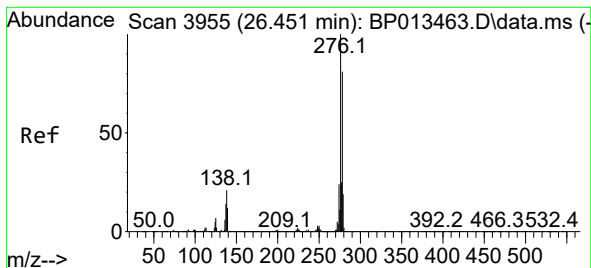
Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 22.0 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.410 ng

RT: 26.445 min Scan# 3955

Delta R.T. -0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

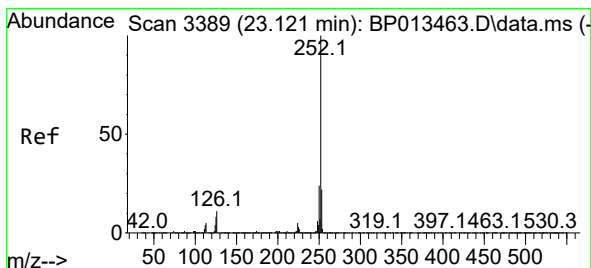
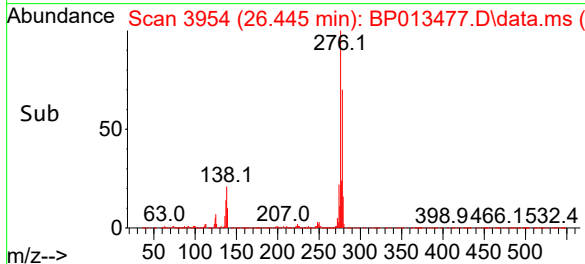
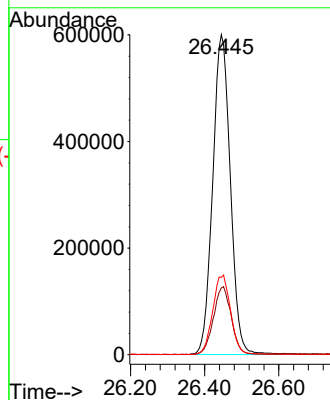
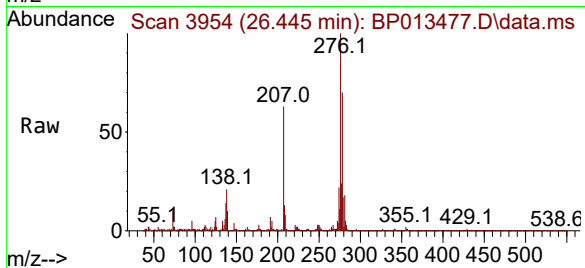
Tgt Ion:276 Resp: 1980362

Ion Ratio Lower Upper

276 100

138 21.4 17.0 25.4

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.584 ng

RT: 23.116 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

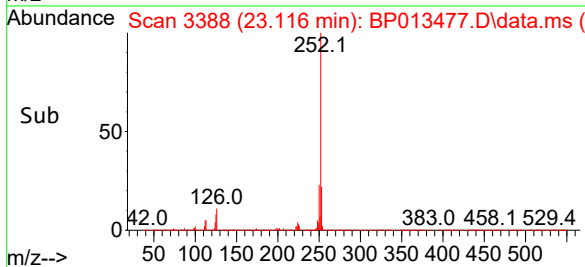
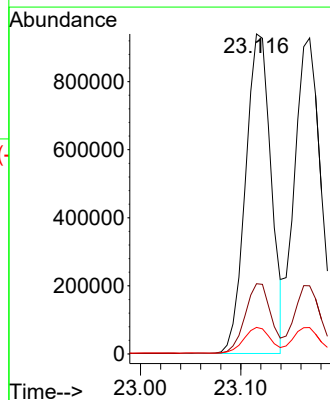
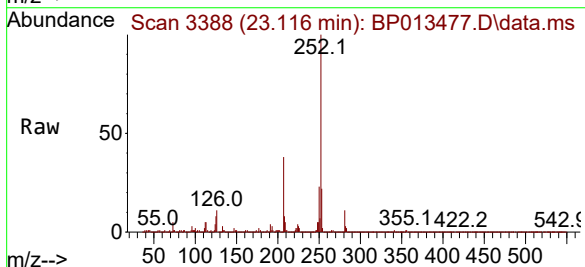
Tgt Ion:252 Resp: 1664075

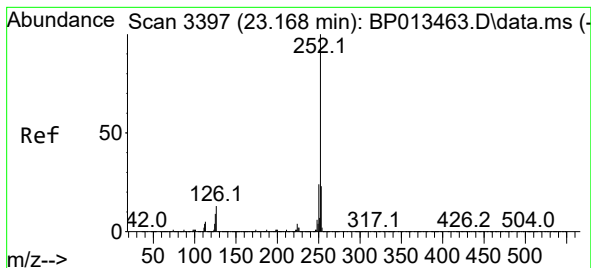
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 8.3 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 7.920 ng

RT: 23.169 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

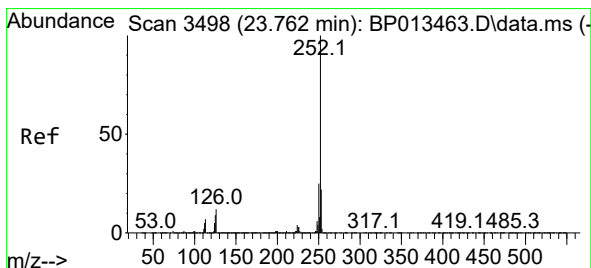
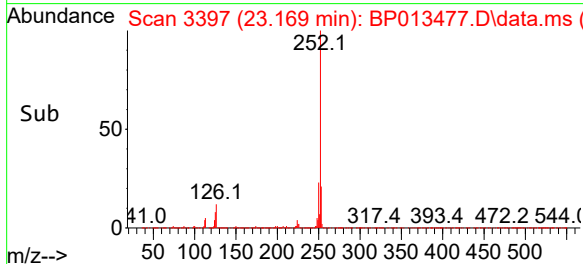
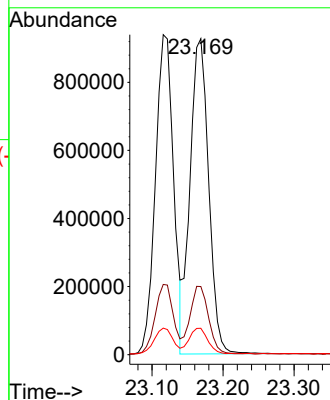
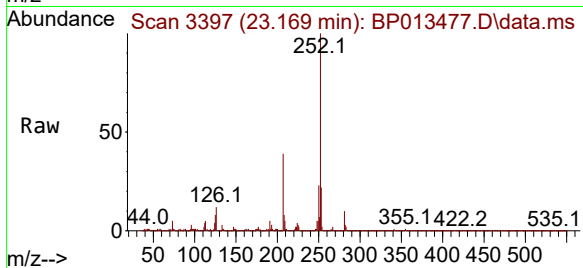
Tgt Ion:252 Resp: 1686722

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

125 8.4 6.9 10.3



#90

Benzo(a)pyrene

Concen: 6.972 ng

RT: 23.763 min Scan# 3498

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

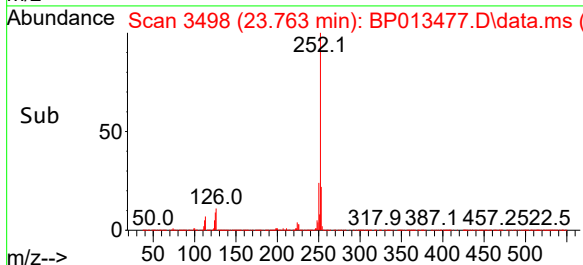
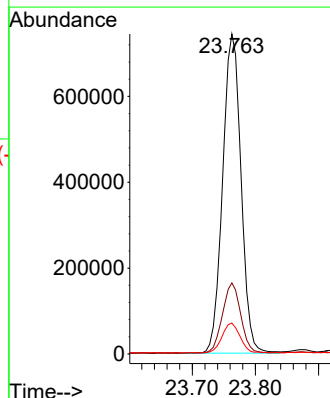
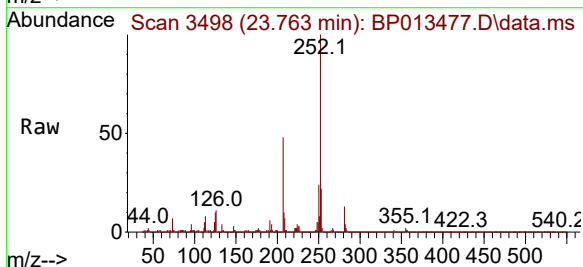
Tgt Ion:252 Resp: 1502908

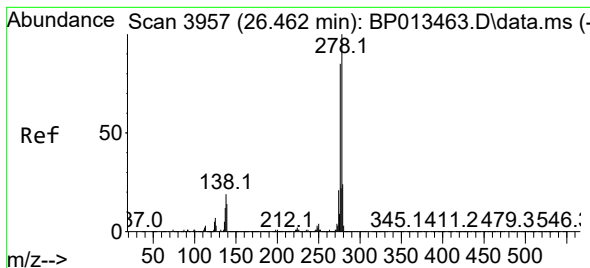
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 9.7 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 7.764 ng

RT: 26.463 min Scan# 3957

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

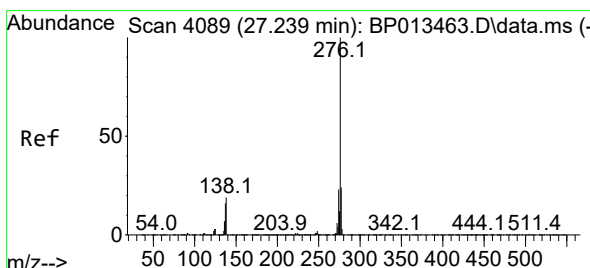
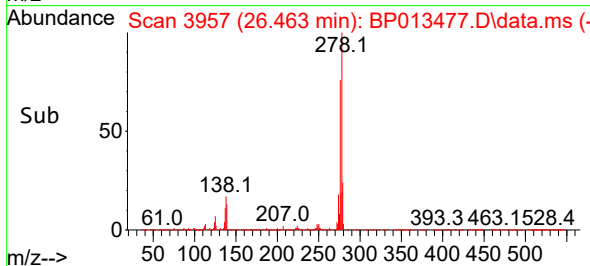
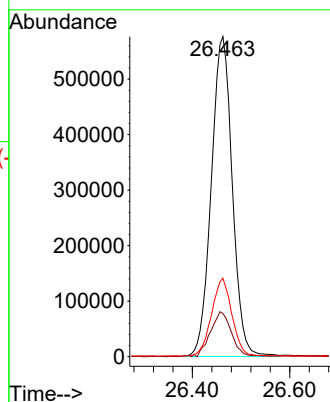
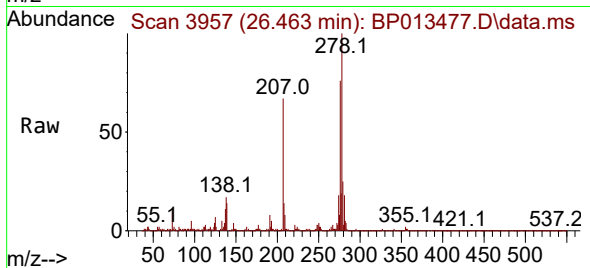
Tgt Ion:278 Resp: 1727660

Ion Ratio Lower Upper

278 100

139 13.5 11.1 16.7

279 24.5 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 7.783 ng

RT: 27.233 min Scan# 4088

Delta R.T. -0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Tgt Ion:276 Resp: 1708876

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 19.3 15.3 22.9

