

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011723\
 Data File : BP013490.D
 Acq On : 17 Jan 2023 11:21
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jan 18 03:11:38 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	7.905	152	559321	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	2278462	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1584925	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	3652131	20.000	ng	0.00
76) Chrysene-d12	21.404	240	3674459	20.000	ng	0.00
86) Perylene-d12	23.869	264	3844707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	2869483	90.120	ng	0.00
7) Phenol-d6	7.069	99	3939258	87.524	ng	0.00
23) Nitrobenzene-d5	9.075	82	3016638	70.340	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	2275500	91.977	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	7720650	71.211	ng	0.00
79) Terphenyl-d14	19.869	244	11730741	65.269	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.329	88	45947	3.680	ng	98
3) Pyridine	3.758	79	109892	2.823	ng	96
4) n-Nitrosodimethylamine	3.652	42	66145	3.544	ng	# 94
6) Aniline	7.228	93	199245	3.313	ng	97
8) 2-Chlorophenol	7.464	128	128941	3.499	ng	99
9) Benzaldehyde	7.040	77	115848	4.264	ng	99
10) Phenol	7.093	94	158726	3.417	ng	93
11) bis(2-Chloroethyl)ether	7.328	93	129475	3.438	ng	98
12) 1,3-Dichlorobenzene	7.787	146	143298	3.691	ng	98
13) 1,4-Dichlorobenzene	7.940	146	146923	3.713	ng	96
14) 1,2-Dichlorobenzene	8.258	146	145080	3.753	ng	99
15) Benzyl Alcohol	8.146	79	106601	3.074	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.440	45	214892	3.688	ng	98
17) 2-Methylphenol	8.352	107	105351	3.063	ng	98
18) Hexachloroethane	8.981	117	49494	3.532	ng	94
19) n-Nitroso-di-n-propyla...	8.711	70	106039	3.301	ng	96
20) 3+4-Methylphenols	8.675	107	141619	2.964	ng	96
22) Acetophenone	8.734	105	208356	3.571	ng	# 98
24) Nitrobenzene	9.116	77	164692	3.713	ng	98
25) Isophorone	9.640	82	289628	3.281	ng	99
26) 2-Nitrophenol	9.828	139	64233	2.929	ng	92
27) 2,4-Dimethylphenol	9.887	122	112371	3.113	ng	95
28) bis(2-Chloroethoxy)met...	10.122	93	179165	3.441	ng	99
29) 2,4-Dichlorophenol	10.363	162	120236	3.174	ng	99
30) 1,2,4-Trichlorobenzene	10.575	180	144560	3.606	ng	99
31) Naphthalene	10.763	128	429251	3.563	ng	99
32) Benzoic acid	9.963	122	64081	2.128	ng	99
33) 4-Chloroaniline	10.881	127	172364	3.132	ng	96
34) Hexachlorobutadiene	11.046	225	93938	3.717	ng	98
35) Caprolactam	11.669	113	39084	2.896	ng	98
36) 4-Chloro-3-methylphenol	12.005	107	132155	3.202	ng	97
37) 2-Methylnaphthalene	12.375	142	306708	3.391	ng	99
38) 1-Methylnaphthalene	12.593	142	294774	3.455	ng	100
40) 1,2,4,5-Tetrachloroben...	12.740	216	183705	3.536	ng	100
41) Hexachlorocyclopentadiene	12.716	237	74081	2.735	ng	98
43) 2,4,6-Trichlorophenol	12.987	196	108911	3.049	ng	97

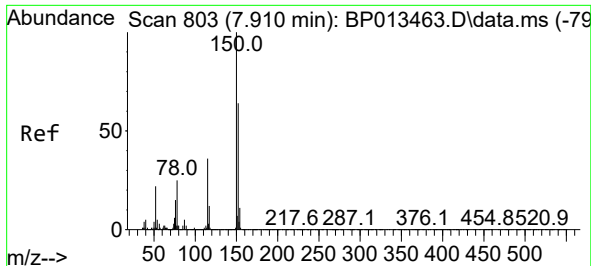
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011723\
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Quant Time: Jan 18 03:11:38 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	116984	2.791	ng	98
46) 1,1'-Biphenyl	13.387	154	435251	3.632	ng	99
47) 2-Chloronaphthalene	13.428	162	320449	3.487	ng	99
48) 2-Nitroaniline	13.634	65	80367	2.657	ng	94
49) Acenaphthylene	14.275	152	496501	3.276	ng	99
50) Dimethylphthalate	14.004	163	413518	3.290	ng	99
51) 2,6-Dinitrotoluene	14.128	165	80426	2.934	ng	90
52) Acenaphthene	14.616	154	308885	3.443	ng	99
53) 3-Nitroaniline	14.463	138	75757	2.583	ng	95
54) 2,4-Dinitrophenol	14.675	184	37699	2.024	ng	96
55) Dibenzofuran	14.951	168	522100	3.510	ng	99
56) 4-Nitrophenol	14.775	139	59745	2.535	ng	95
57) 2,4-Dinitrotoluene	14.922	165	103931	2.772	ng #	88
58) Fluorene	15.604	166	411923	3.510	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.181	232	110197	3.041	ng	97
60) Diethylphthalate	15.369	149	404383	3.288	ng	100
61) 4-Chlorophenyl-phenyle...	15.593	204	220802	3.542	ng	98
62) 4-Nitroaniline	15.628	138	71826	2.392	ng	90
63) Azobenzene	15.887	77	359933	3.187	ng	97
65) 4,6-Dinitro-2-methylph...	15.687	198	57762	2.313	ng	92
66) n-Nitrosodiphenylamine	15.810	169	353034	3.290	ng	99
67) 4-Bromophenyl-phenylether	16.493	248	136911	3.256	ng	97
68) Hexachlorobenzene	16.610	284	163812	3.578	ng	99
69) Atrazine	16.769	200	131888	3.356	ng	99
70) Pentachlorophenol	16.963	266	83002	2.474	ng	99
71) Phenanthrene	17.357	178	686637	3.563	ng	98
72) Anthracene	17.445	178	655941	3.345	ng	98
73) Carbazole	17.722	167	594288	3.328	ng	99
74) Di-n-butylphthalate	18.263	149	641494	3.095	ng	99
75) Fluoranthene	19.322	202	805716	3.481	ng	99
77) Benzidine	19.504	184	343631	3.147	ng	100
78) Pyrene	19.675	202	844239	3.493	ng	97
80) Butylbenzylphthalate	20.545	149	284967	2.728	ng	99
81) Benzo(a)anthracene	21.386	228	877945	3.548	ng	97
82) 3,3'-Dichlorobenzidine	21.322	252	306114	3.311	ng	99
83) Chrysene	21.445	228	829045	3.546	ng	97
84) Bis(2-ethylhexyl)phtha...	21.298	149	427673	2.829	ng	99
85) Di-n-octyl phthalate	22.239	149	704515	2.745	ng	97
87) Indeno(1,2,3-cd)pyrene	26.427	276	802904	2.888	ng	100
88) Benzo(b)fluoranthene	23.110	252	852147	3.733	ng	99
89) Benzo(k)fluoranthene	23.157	252	822017	3.710	ng	98
90) Benzo(a)pyrene	23.751	252	726116	3.238	ng	99
91) Dibenzo(a,h)anthracene	26.445	278	690682	2.983	ng	99
92) Benzo(g,h,i)perylene	27.221	276	685372	3.000	ng	99

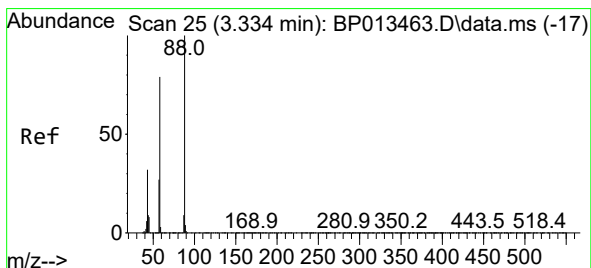
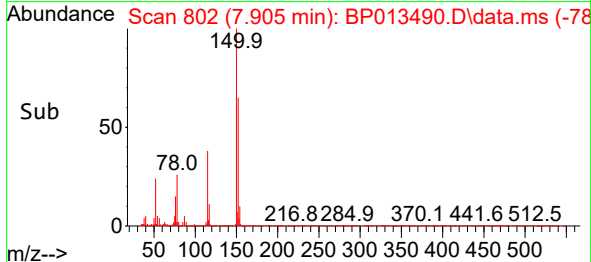
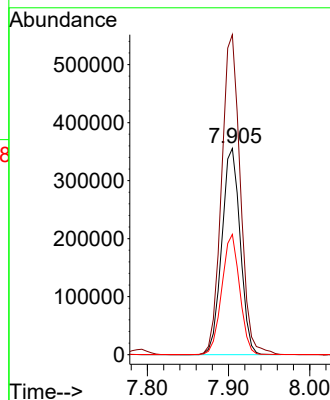
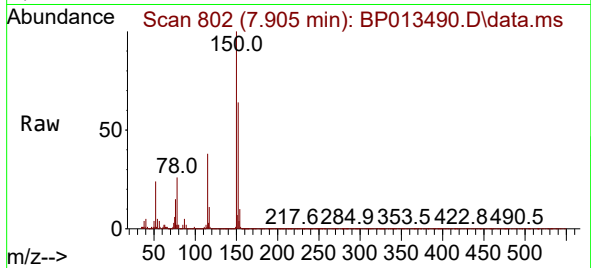
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 80
Delta R.T. -0.005 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

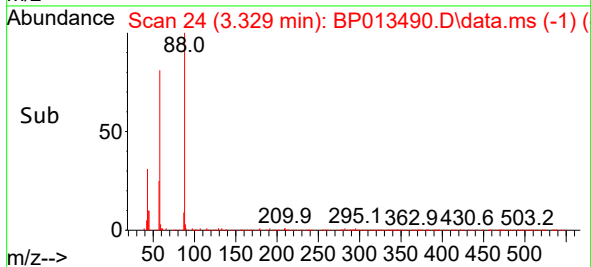
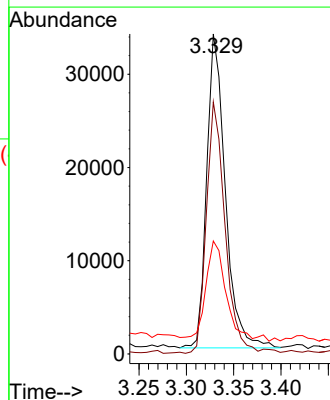
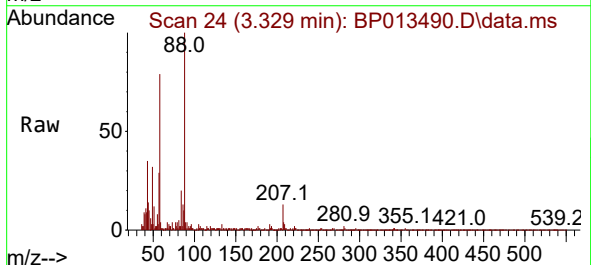
Instrument :
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MDL-SOIL-03-QT2-2022

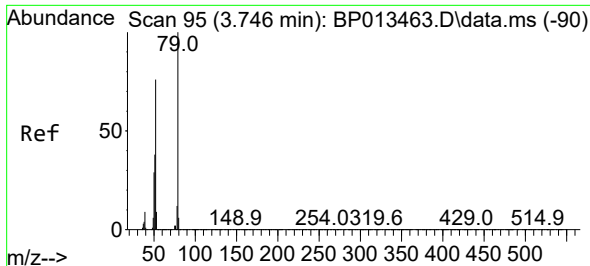
Tgt Ion:152 Resp: 559321
Ion Ratio Lower Upper
152 100
150 155.1 125.7 188.5
115 58.3 45.8 68.8



#2
1,4-Dioxane
Concen: 3.680 ng
RT: 3.329 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 88 Resp: 45947
Ion Ratio Lower Upper
88 100
58 80.4 63.4 95.0
43 35.1 26.2 39.4

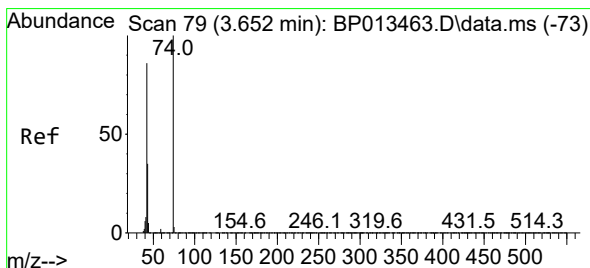
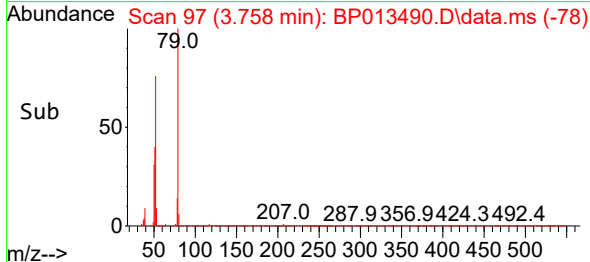
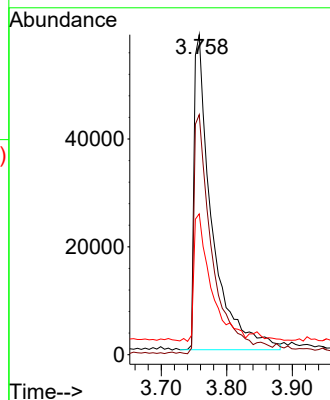
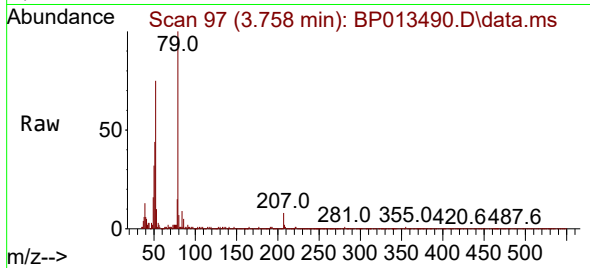




#3
 Pyridine
 Concen: 2.823 ng
 RT: 3.758 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: BP013490.D
 Acq: 17 Jan 2023 11:21

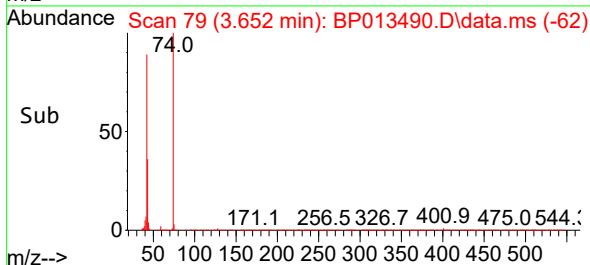
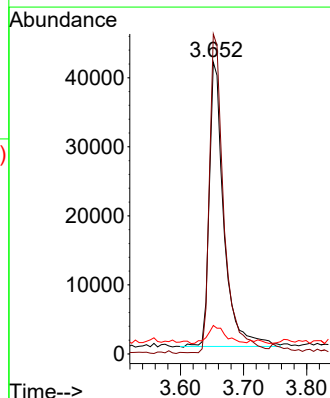
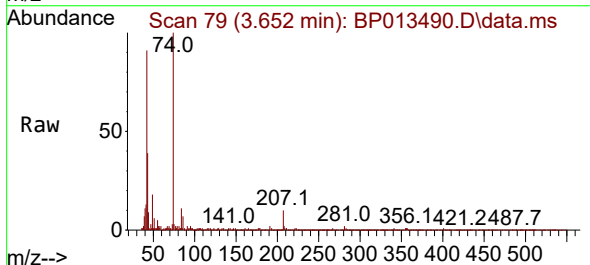
Instrument :
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 MDL-SOIL-03-QT2-2022

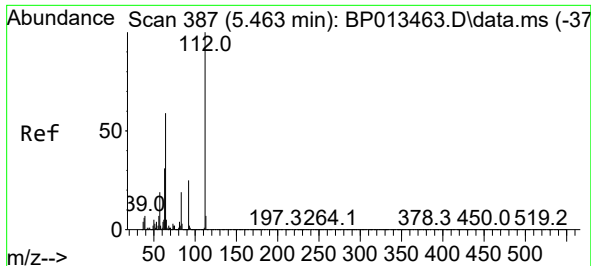
Tgt Ion: 79 Resp: 109892
 Ion Ratio Lower Upper
 79 100
 52 75.0 60.6 91.0
 51 44.0 31.0 46.4



#4
 n-Nitrosodimethylamine
 Concen: 3.544 ng
 RT: 3.652 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BP013490.D
 Acq: 17 Jan 2023 11:21

Tgt Ion: 42 Resp: 66145
 Ion Ratio Lower Upper
 42 100
 74 109.7 93.3 139.9
 44 9.8 5.1 7.7#

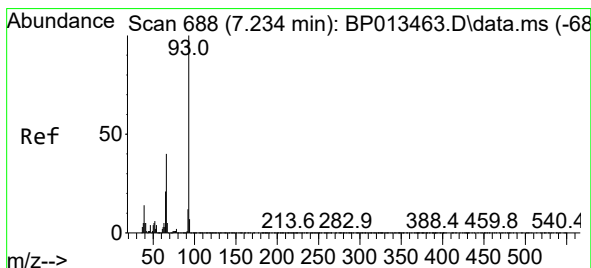
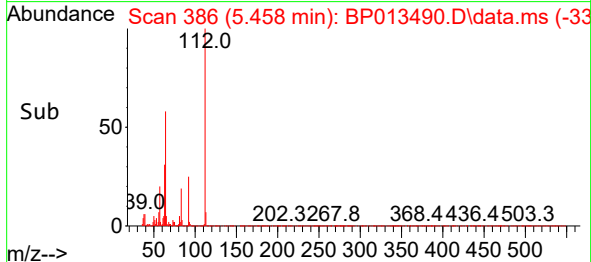
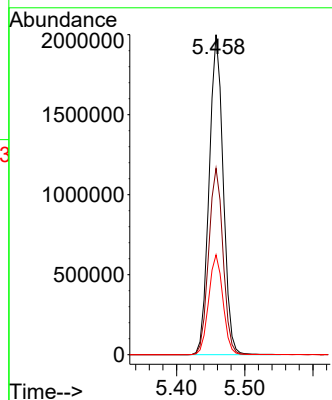
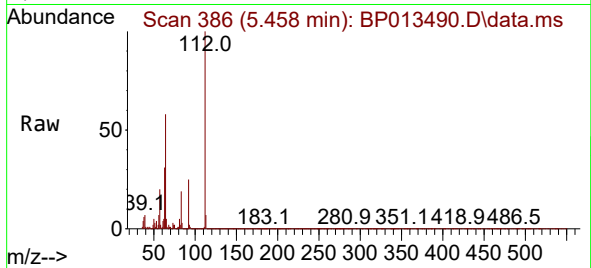




#5
2-Fluorophenol
Concen: 90.120 ng
RT: 5.458 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

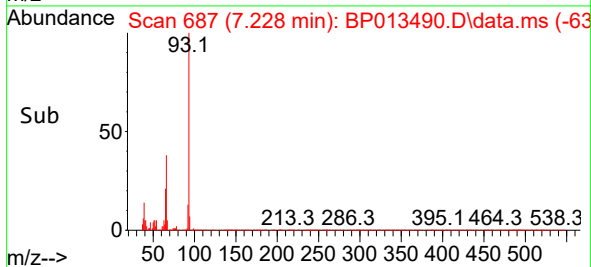
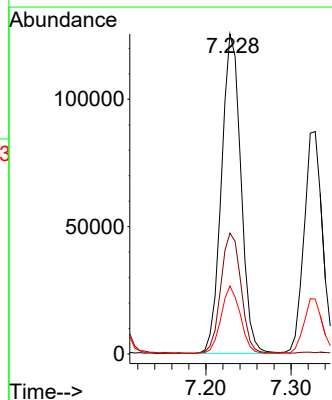
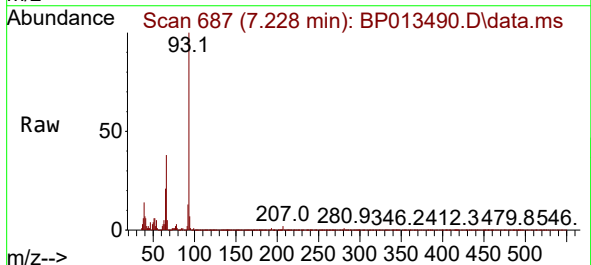
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2022

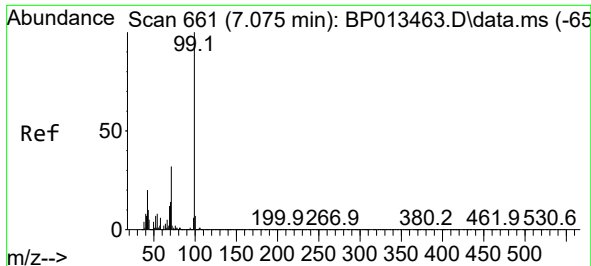
Tgt Ion:112 Resp: 2869483
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 31.2 25.0 37.4



#6
Aniline
Concen: 3.313 ng
RT: 7.228 min Scan# 687
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 93 Resp: 199245
Ion Ratio Lower Upper
93 100
66 37.7 31.9 47.9
65 21.2 16.6 25.0

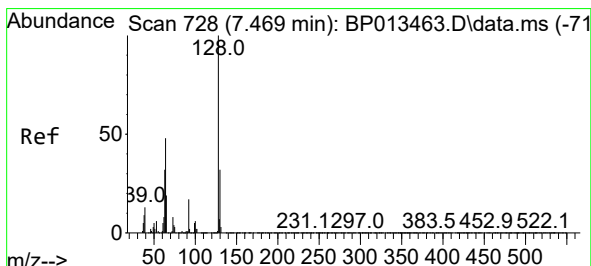
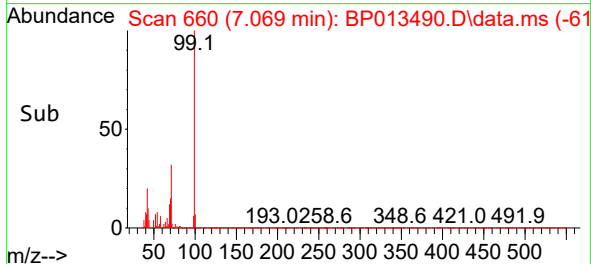
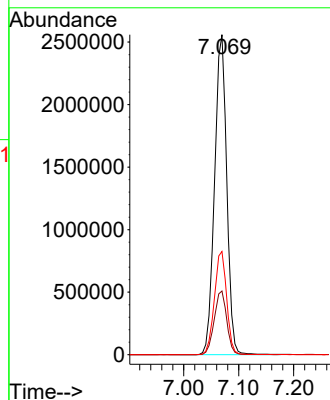
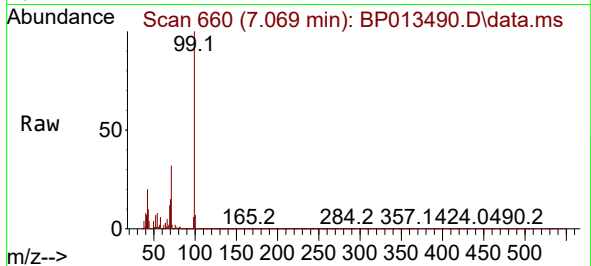




#7
Phenol-d6
Concen: 87.524 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

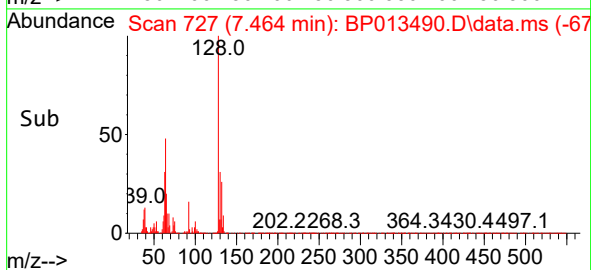
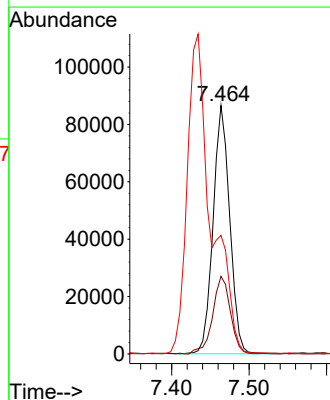
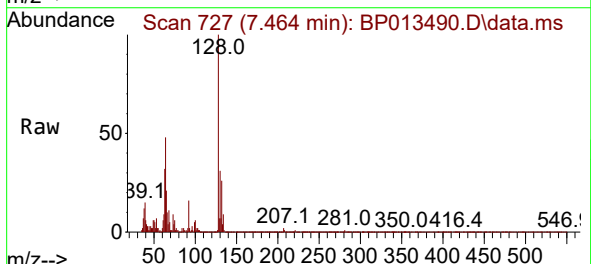
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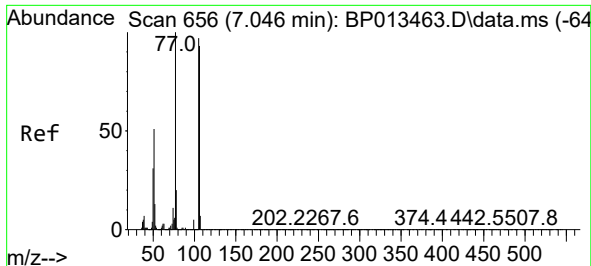
Tgt Ion: 99 Resp: 3939258
Ion Ratio Lower Upper
99 100
42 19.9 15.8 23.6
71 32.3 25.6 38.4



#8
2-Chlorophenol
Concen: 3.499 ng
RT: 7.464 min Scan# 727
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:128 Resp: 128941
Ion Ratio Lower Upper
128 100
130 31.2 11.7 51.7
64 47.7 28.6 68.6

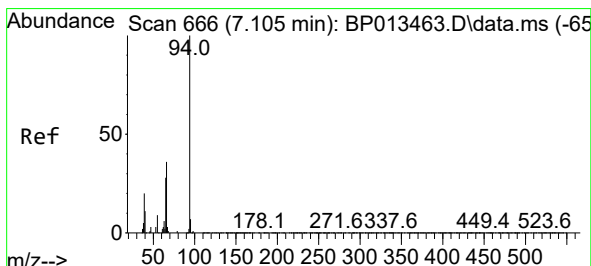
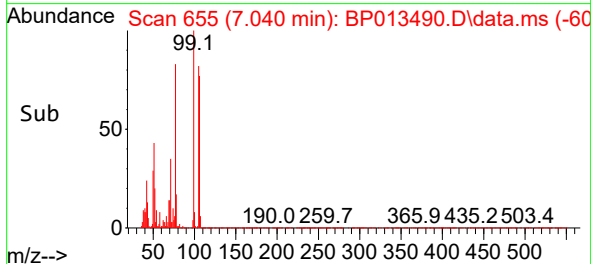
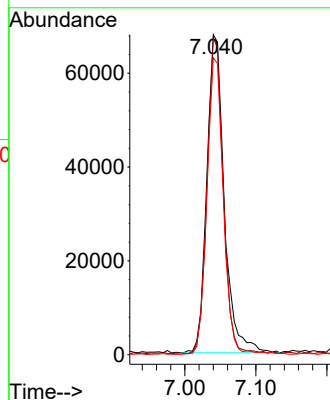
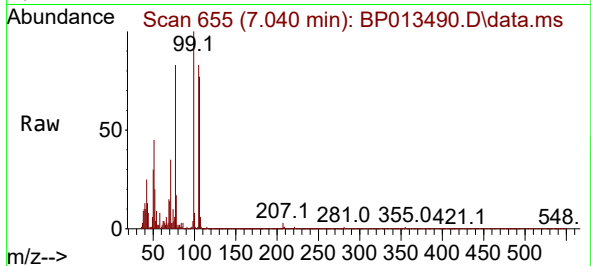




#9
Benzaldehyde
Concen: 4.264 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

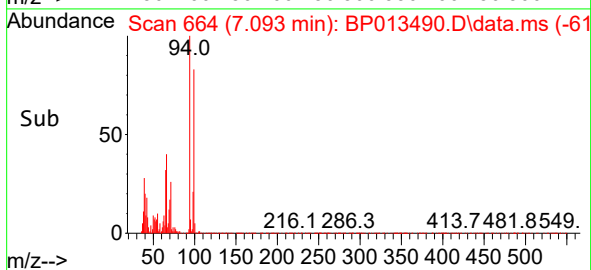
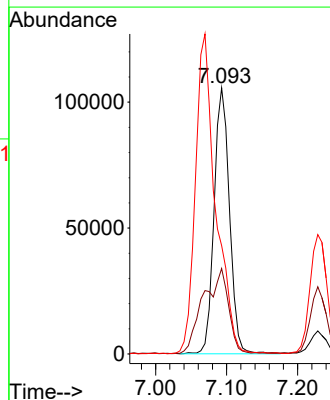
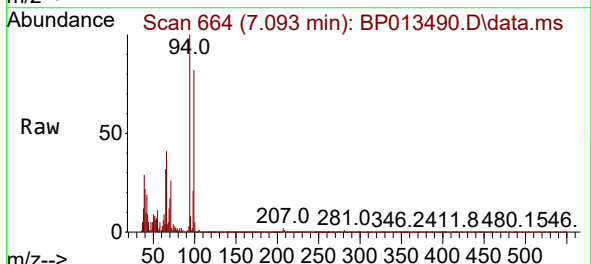
Instrument :
BNA_P
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MDL-SOIL-03-QT2-2022

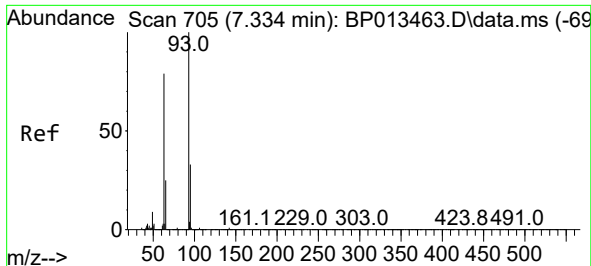
Tgt Ion: 77 Resp: 115848
Ion Ratio Lower Upper
77 100
105 99.1 77.3 117.3
106 92.7 73.1 113.1



#10
Phenol
Concen: 3.417 ng
RT: 7.093 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 94 Resp: 158726
Ion Ratio Lower Upper
94 100
65 32.1 8.3 48.3
66 40.7 16.6 56.6

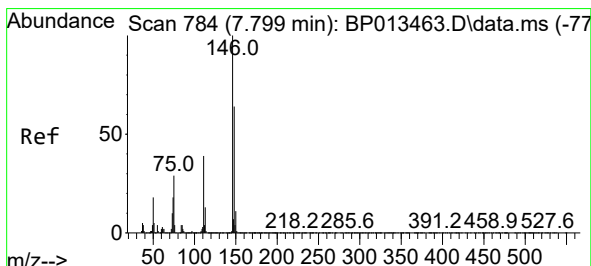
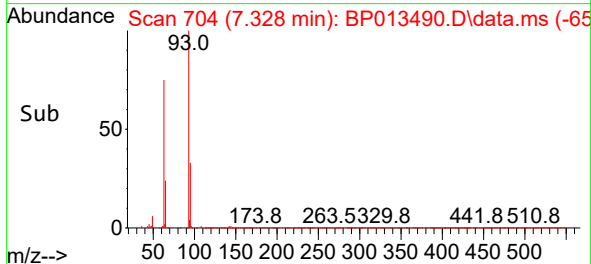
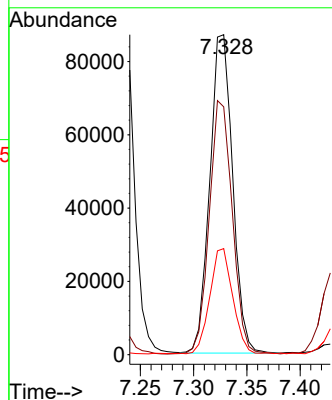
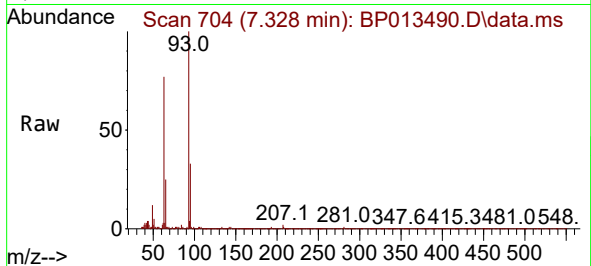




#11
bis(2-Chloroethyl)ether
Concen: 3.438 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

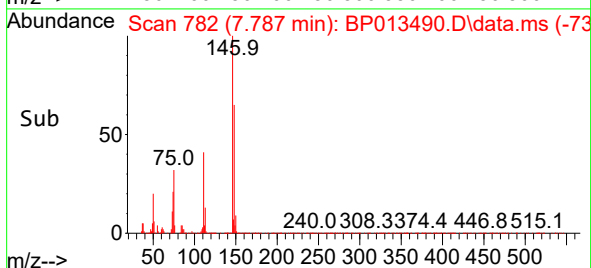
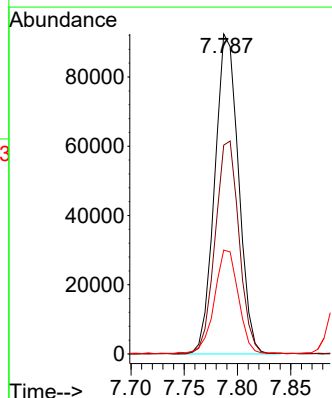
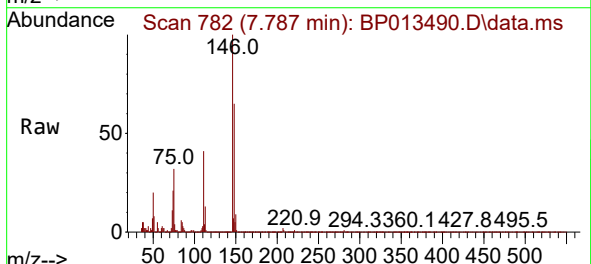
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

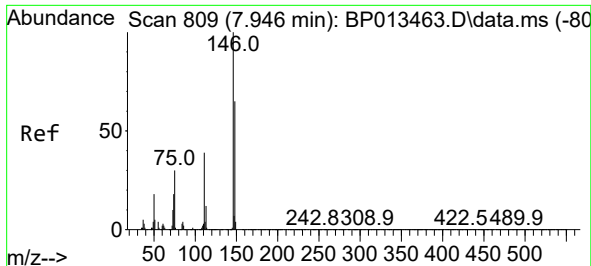
Tgt Ion: 93 Resp: 129475
Ion Ratio Lower Upper
93 100
63 77.4 59.3 99.3
95 33.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 3.691 ng
RT: 7.787 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:146 Resp: 143298
Ion Ratio Lower Upper
146 100
148 65.3 51.5 77.3
75 32.5 23.6 35.4

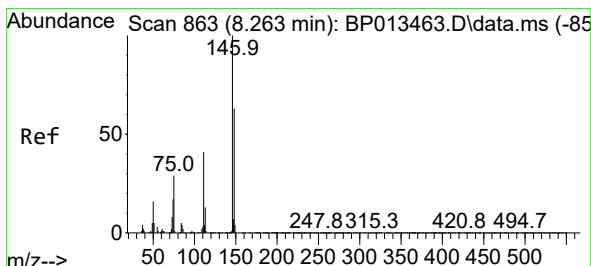
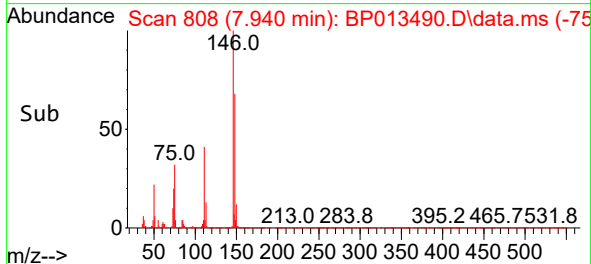
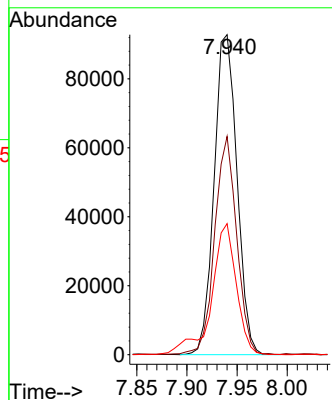
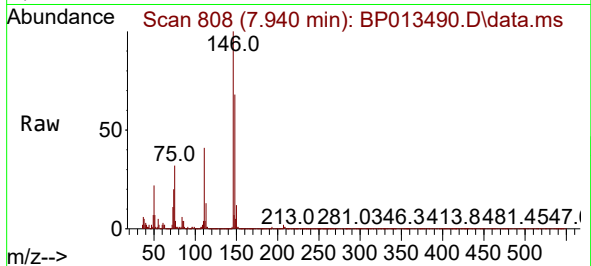




#13
1,4-Dichlorobenzene
Concen: 3.713 ng
RT: 7.940 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

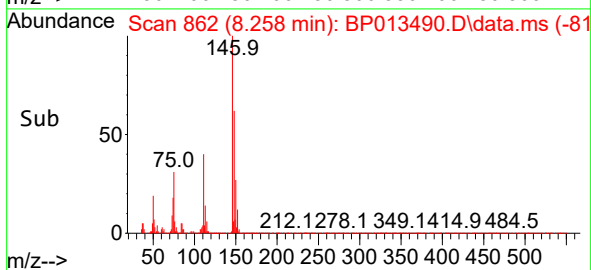
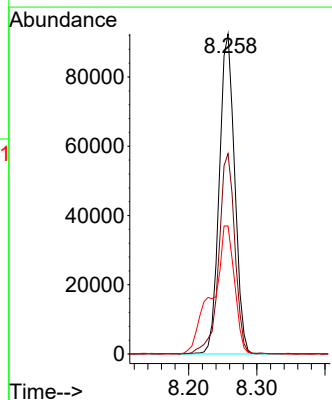
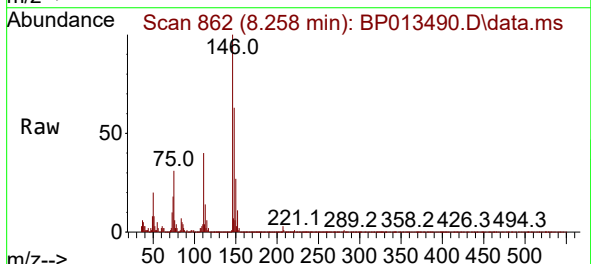
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

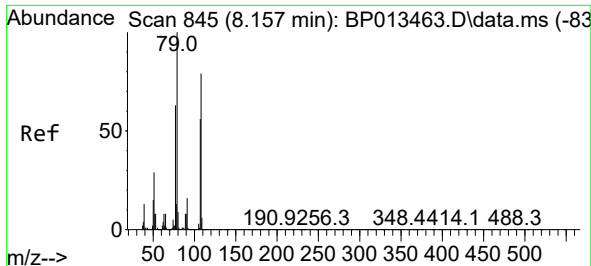
Tgt Ion:146 Resp: 146923
Ion Ratio Lower Upper
146 100
148 68.2 52.0 78.0
111 41.0 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 3.753 ng
RT: 8.258 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:146 Resp: 145080
Ion Ratio Lower Upper
146 100
148 62.6 50.9 76.3
111 40.0 32.7 49.1

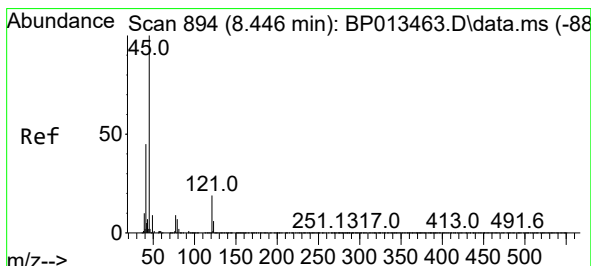
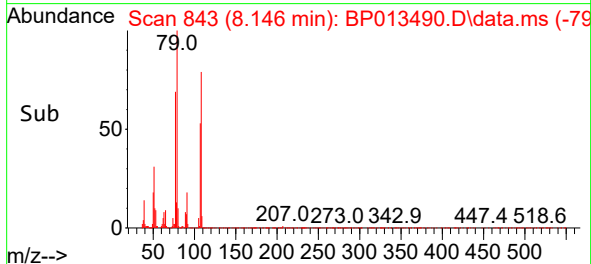
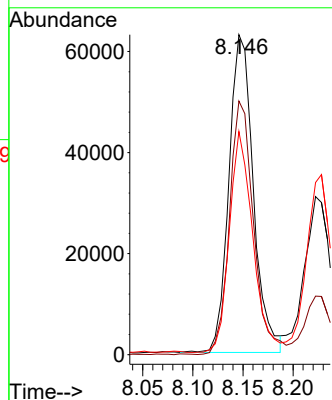
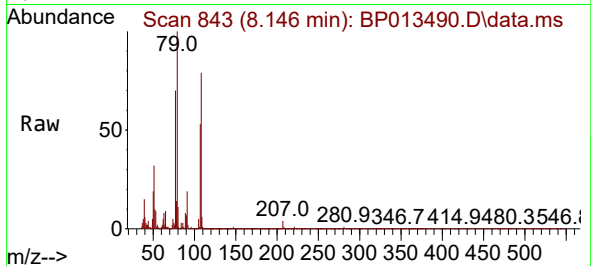




#15
Benzyl Alcohol
Concen: 3.074 ng
RT: 8.146 min Scan# 845
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

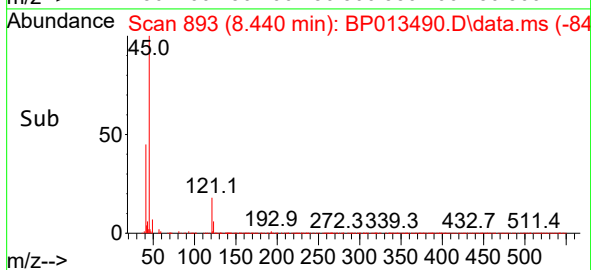
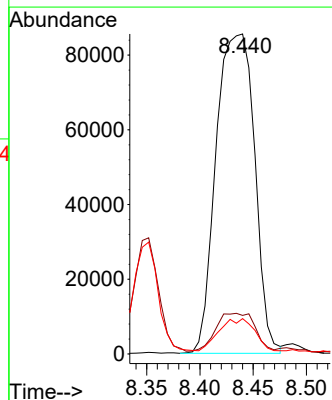
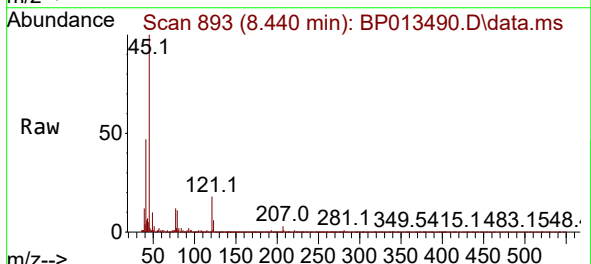
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

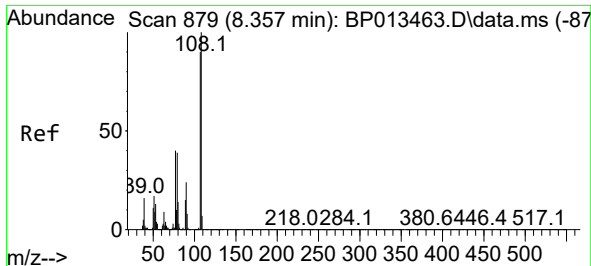
Tgt Ion: 79 Resp: 106601
Ion Ratio Lower Upper
79 100
108 79.2 63.2 94.8
77 69.8 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.688 ng
RT: 8.440 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 45 Resp: 214892
Ion Ratio Lower Upper
45 100
77 12.1 0.0 32.8
79 11.1 0.0 30.3

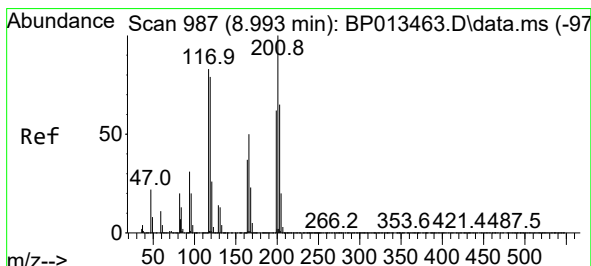
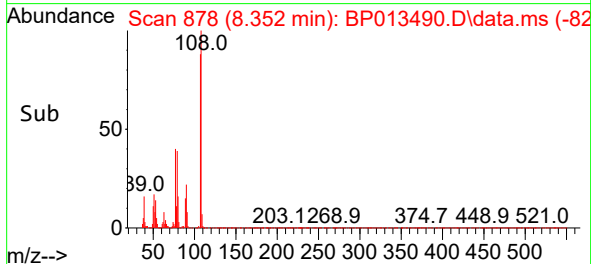
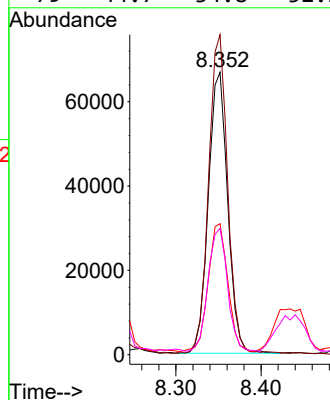
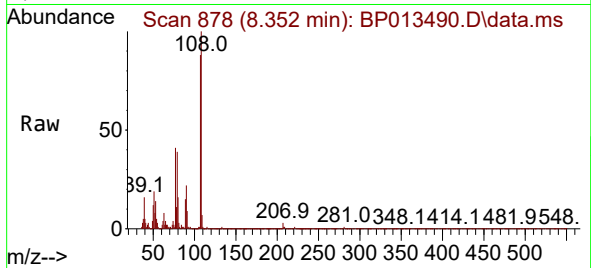




#17
2-Methylphenol
Concen: 3.063 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

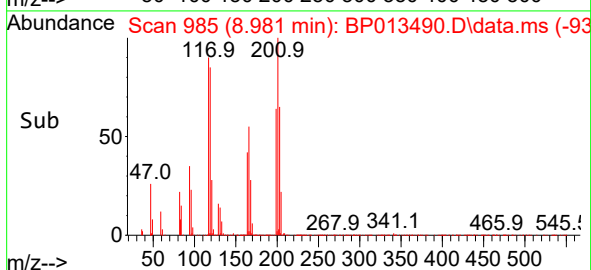
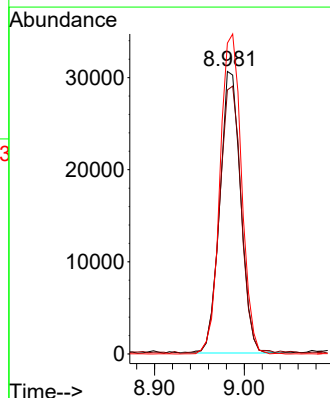
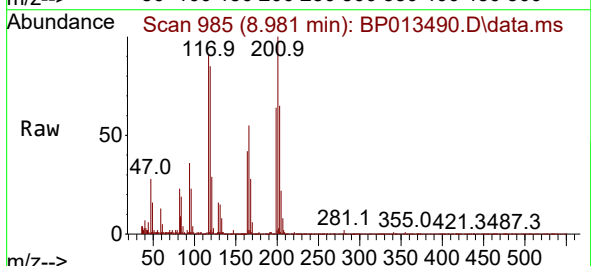
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

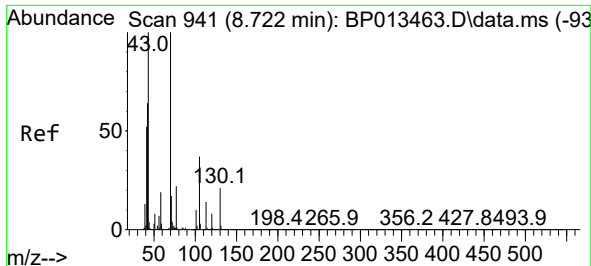
Tgt Ion:107 Resp: 105351
Ion Ratio Lower Upper
107 100
108 113.3 88.8 133.2
77 46.4 35.8 53.8
79 44.7 34.8 52.2



#18
Hexachloroethane
Concen: 3.532 ng
RT: 8.981 min Scan# 985
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:117 Resp: 49494
Ion Ratio Lower Upper
117 100
119 93.4 75.8 113.8
201 110.0 95.8 143.8

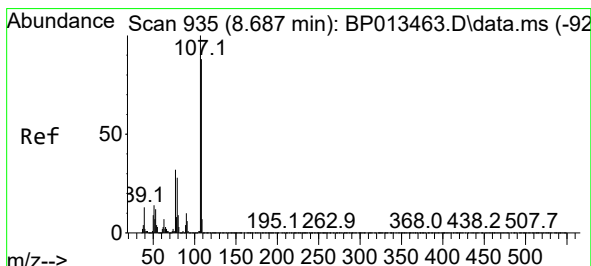
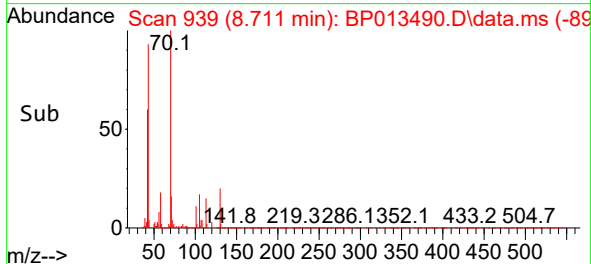
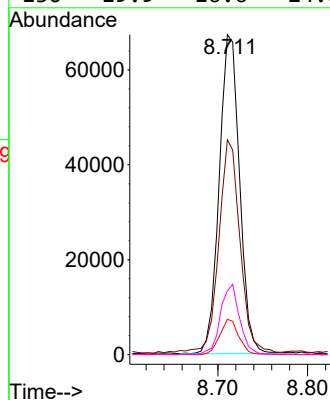
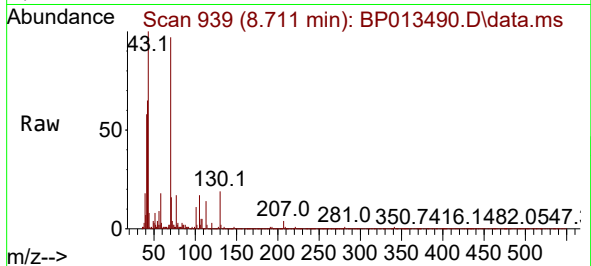




#19
n-Nitroso-di-n-propylamine
Concen: 3.301 ng
RT: 8.711 min Scan# 911
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

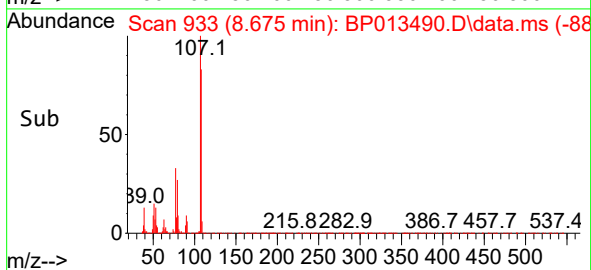
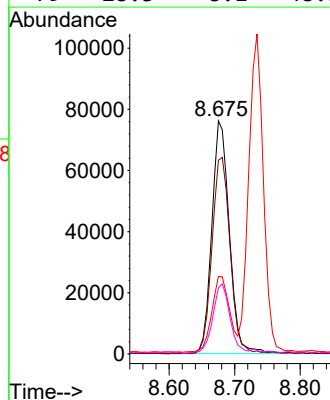
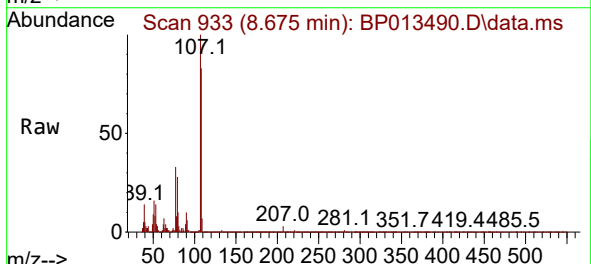
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

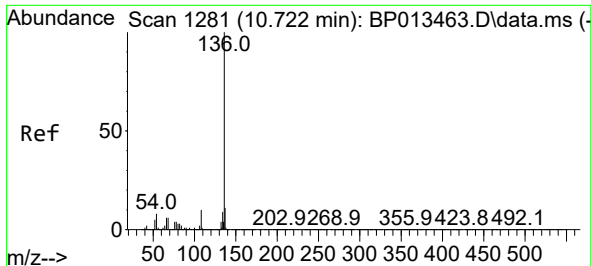
Tgt Ion: 70 Resp: 106039
Ion Ratio Lower Upper
70 100
42 67.2 51.1 76.7
101 11.1 7.8 11.8
130 19.9 16.6 24.8



#20
3+4-Methylphenols
Concen: 2.964 ng
RT: 8.675 min Scan# 933
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 107 Resp: 141619
Ion Ratio Lower Upper
107 100
108 83.1 68.1 108.1
77 33.3 12.3 52.3
79 28.3 8.1 48.1



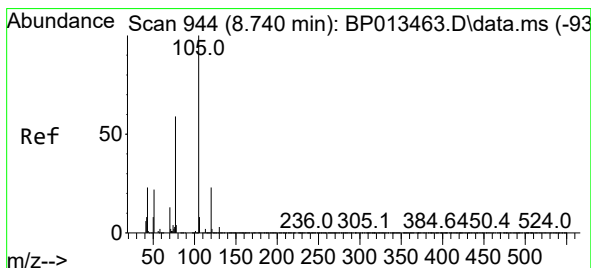
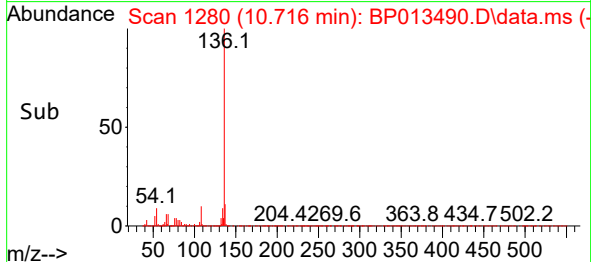
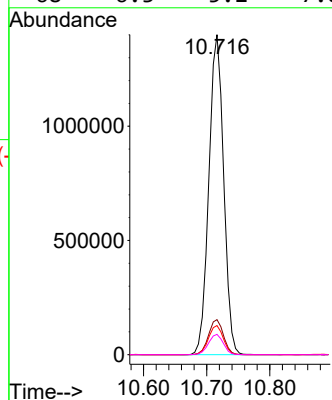
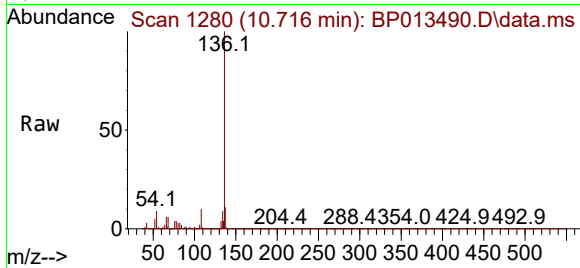


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:136 Resp: 2278462

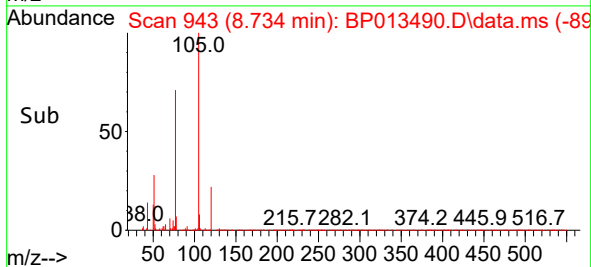
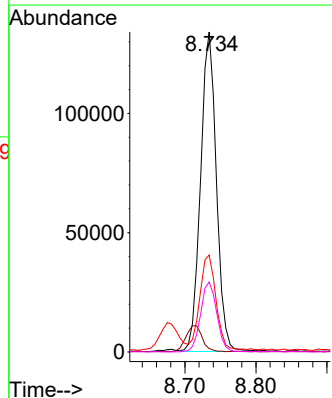
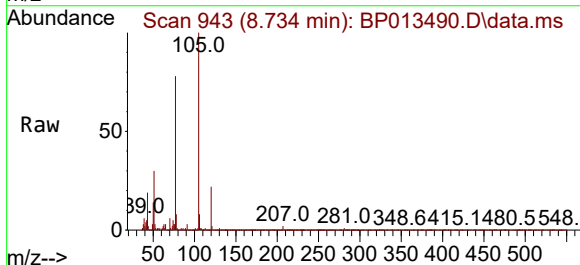
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.1	6.6	10.0
68	6.3	5.2	7.8

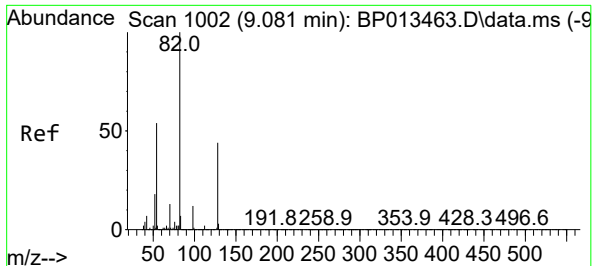


#22
Acetophenone
Concen: 3.571 ng
RT: 8.734 min Scan# 943
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:105 Resp: 208356

Ion	Ratio	Lower	Upper
105	100		
71	1.1	2.1	3.1
51	30.3	23.3	34.9
120	21.9	17.9	26.9





#23

Nitrobenzene-d5

Concen: 70.340 ng

RT: 9.075 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

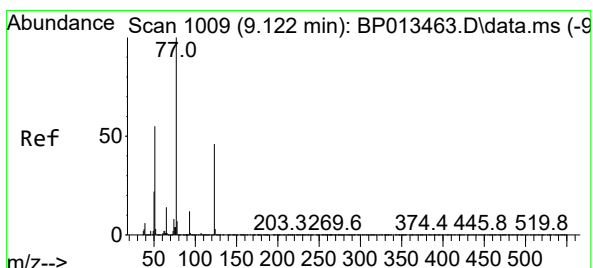
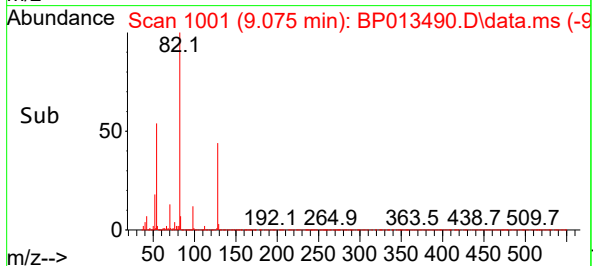
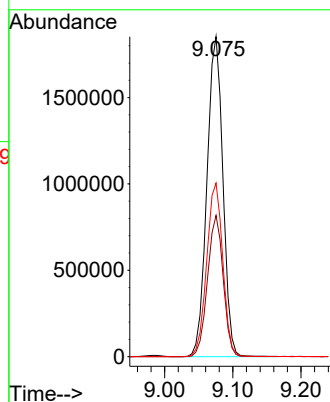
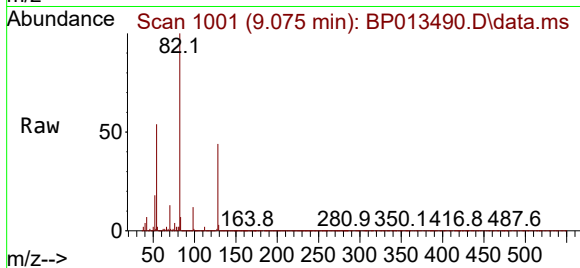
Tgt Ion: 82 Resp: 3016638

Ion Ratio Lower Upper

82 100

128 44.2 35.4 53.0

54 54.3 42.8 64.2



#24

Nitrobenzene

Concen: 3.713 ng

RT: 9.116 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

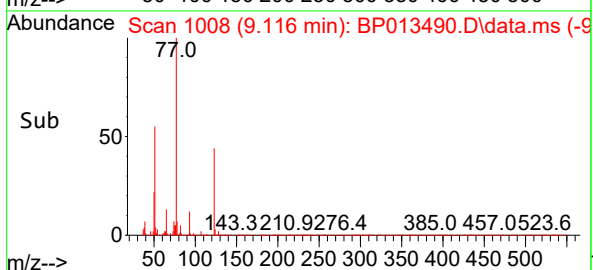
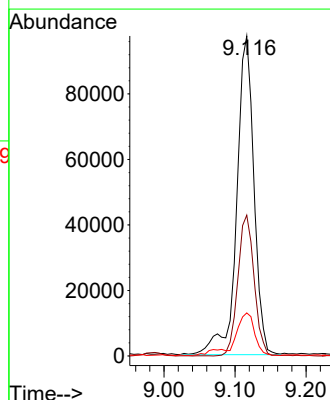
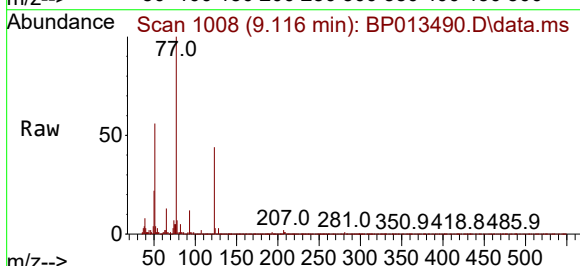
Tgt Ion: 77 Resp: 164692

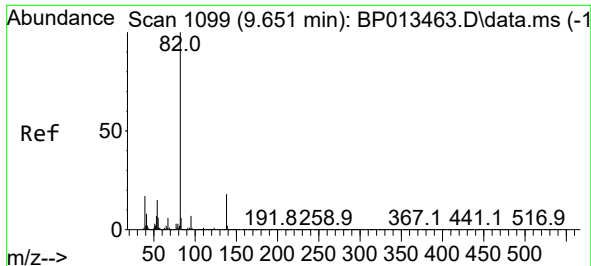
Ion Ratio Lower Upper

77 100

123 44.0 36.5 54.7

65 13.4 11.0 16.6

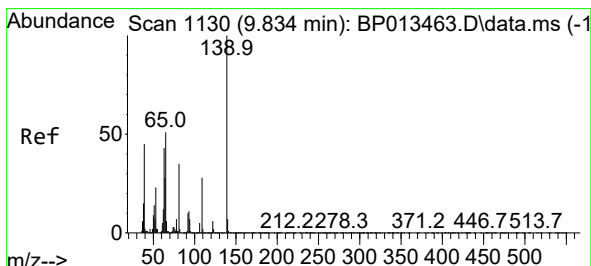
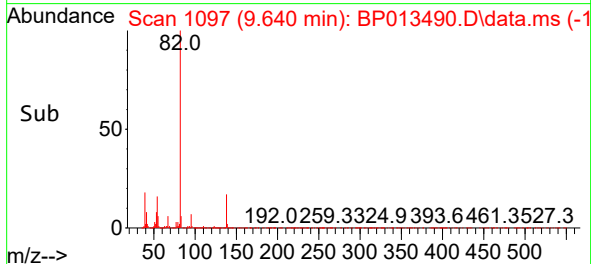
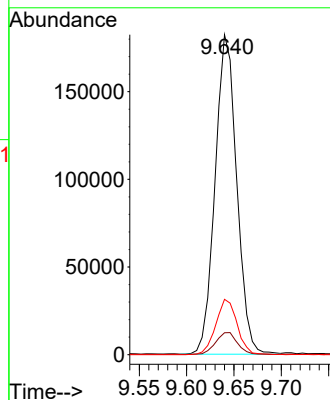
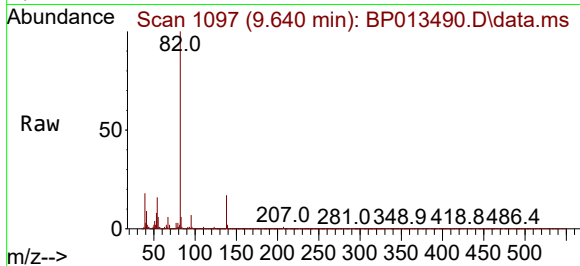




#25
Isophorone
Concen: 3.281 ng
RT: 9.640 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

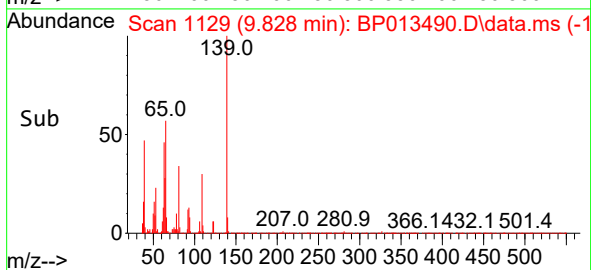
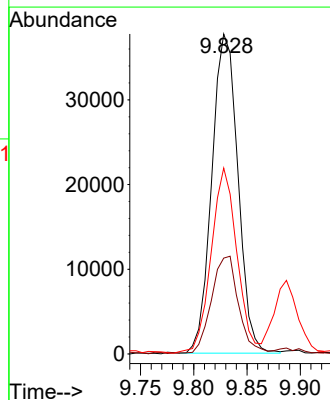
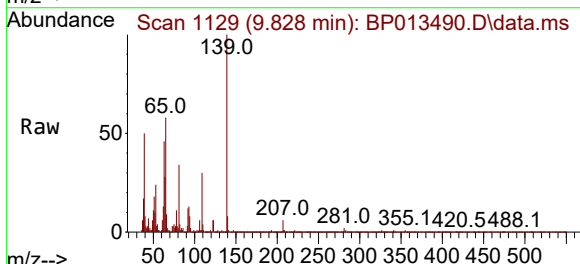
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

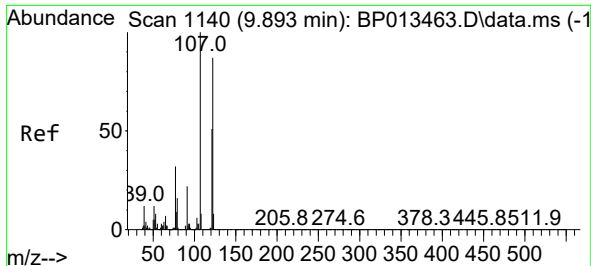
Tgt Ion: 82 Resp: 289628
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 17.3 14.5 21.7



#26
2-Nitrophenol
Concen: 2.929 ng
RT: 9.828 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 139 Resp: 64233
Ion Ratio Lower Upper
139 100
109 30.0 22.5 33.7
65 58.1 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 3.113 ng

RT: 9.887 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

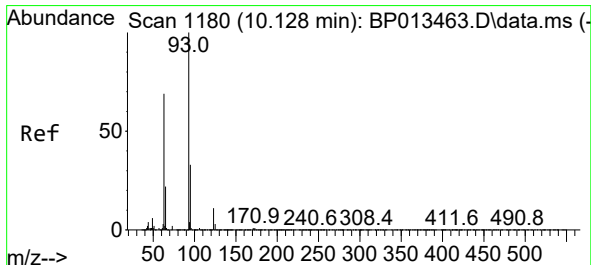
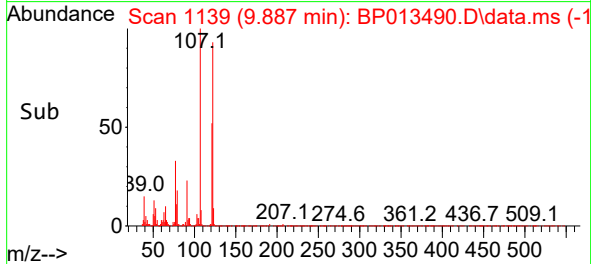
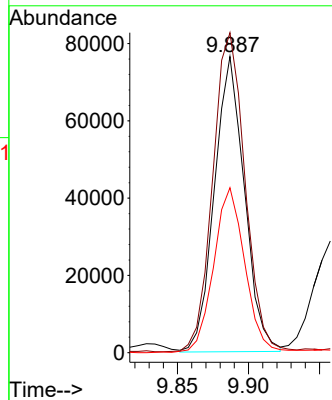
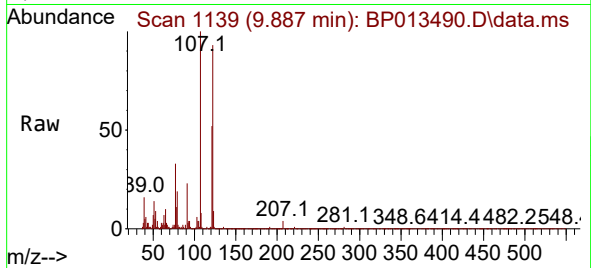
Tgt Ion:122 Resp: 112371

Ion Ratio Lower Upper

122 100

107 108.0 91.6 137.4

121 55.7 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 3.441 ng

RT: 10.122 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

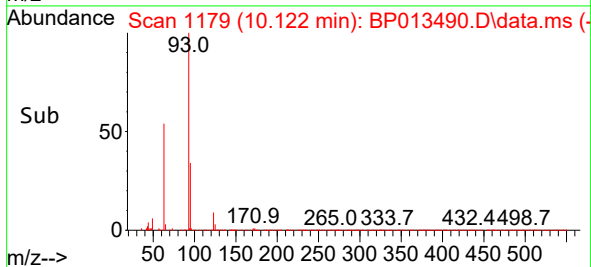
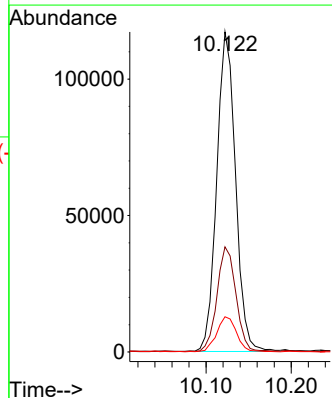
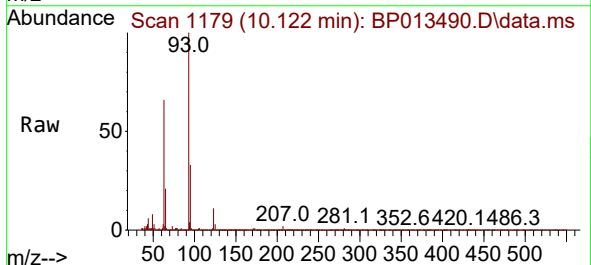
Tgt Ion: 93 Resp: 179165

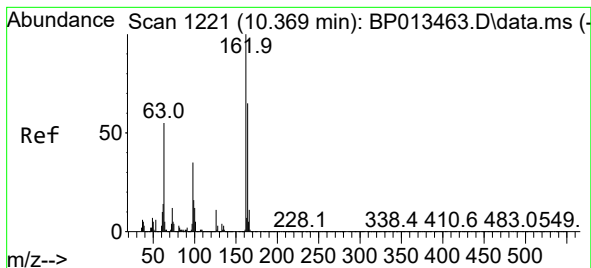
Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

123 11.0 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.174 ng

RT: 10.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

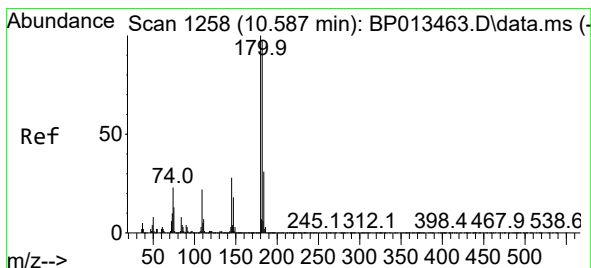
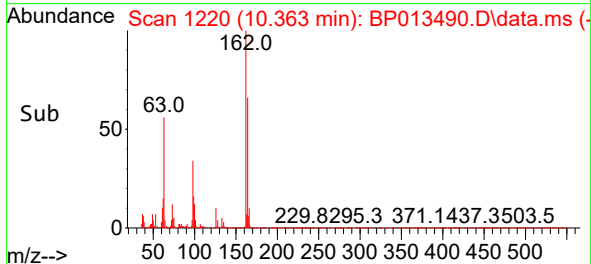
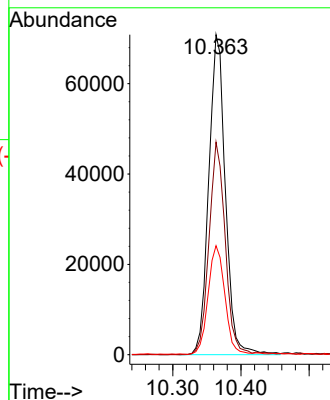
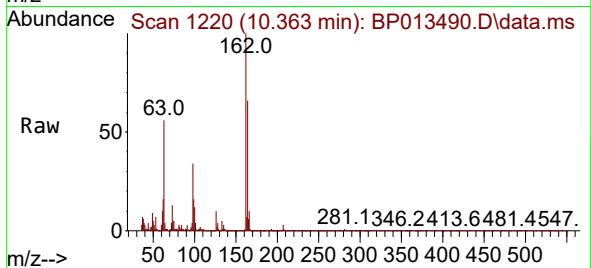
Tgt Ion:162 Resp: 120236

Ion Ratio Lower Upper

162 100

164 66.4 45.4 85.4

98 34.1 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 3.606 ng

RT: 10.575 min Scan# 1256

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

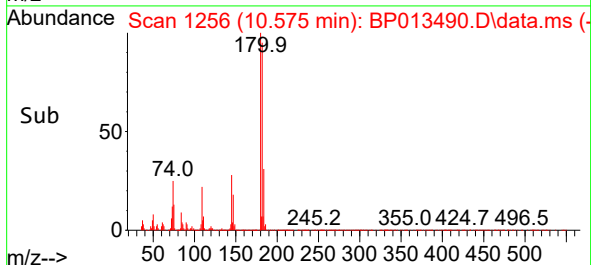
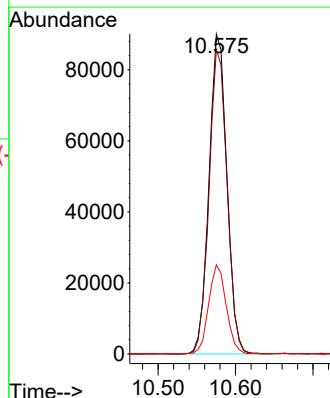
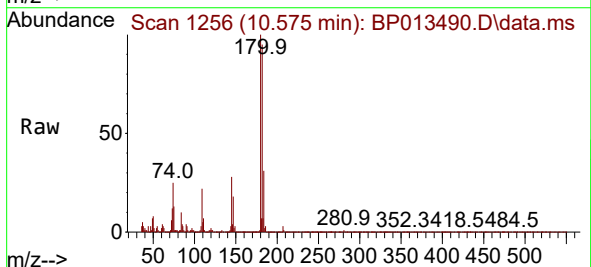
Tgt Ion:180 Resp: 144560

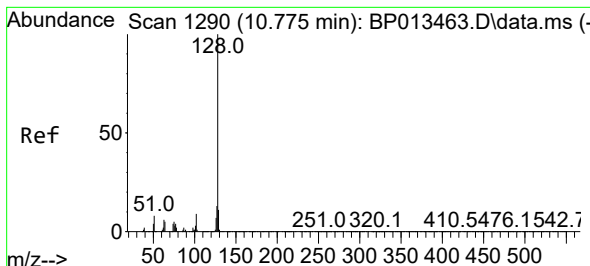
Ion Ratio Lower Upper

180 100

182 95.2 77.3 115.9

145 27.8 22.8 34.2





#31

Naphthalene

Concen: 3.563 ng

RT: 10.763 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

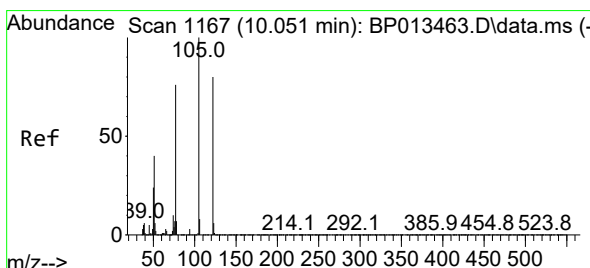
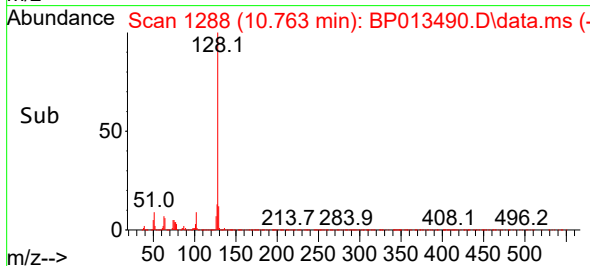
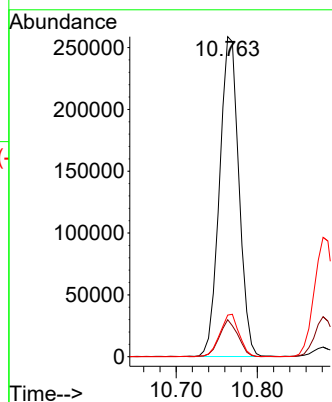
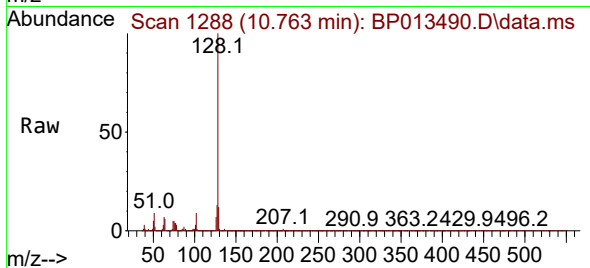
Tgt Ion:128 Resp: 429251

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

127 13.0 10.6 16.0



#32

Benzoic acid

Concen: 2.128 ng

RT: 9.963 min Scan# 1152

Delta R.T. -0.088 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

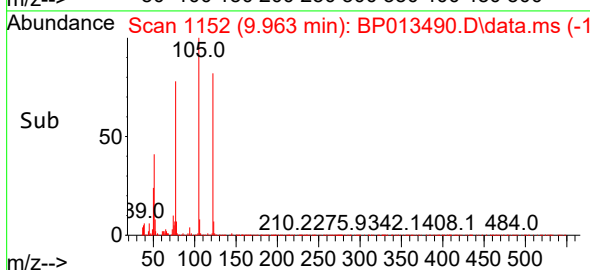
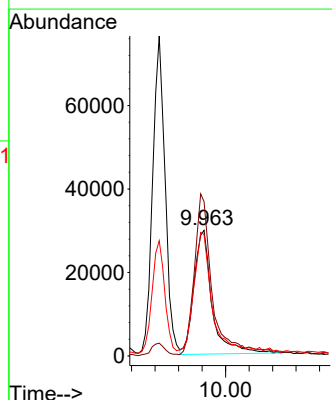
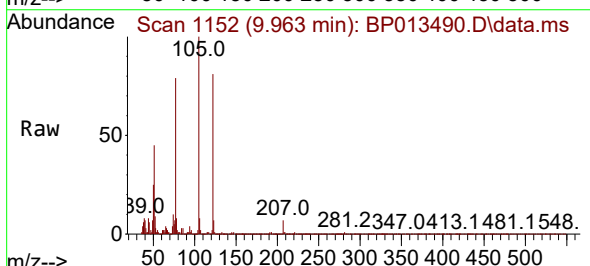
Tgt Ion:122 Resp: 64081

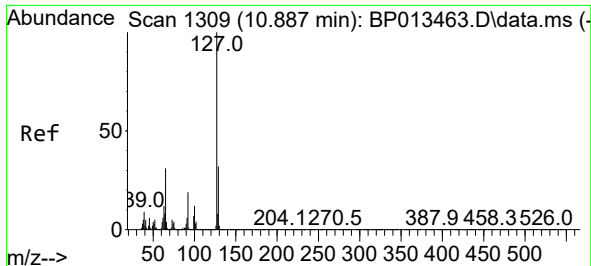
Ion Ratio Lower Upper

122 100

105 122.9 102.7 142.7

77 96.8 74.0 114.0

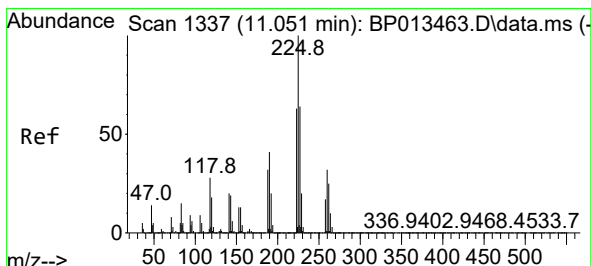
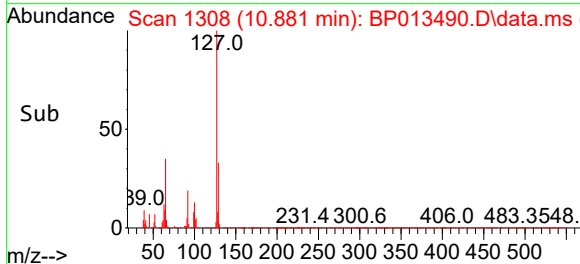
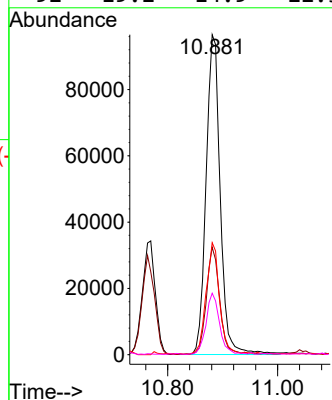
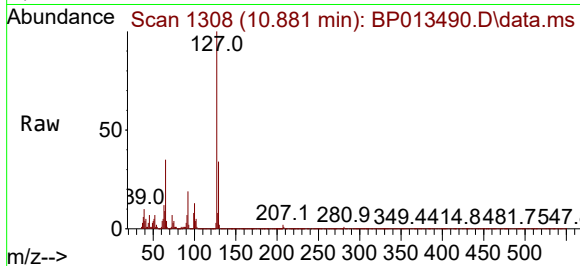




#33
4-Chloroaniline
Concen: 3.132 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

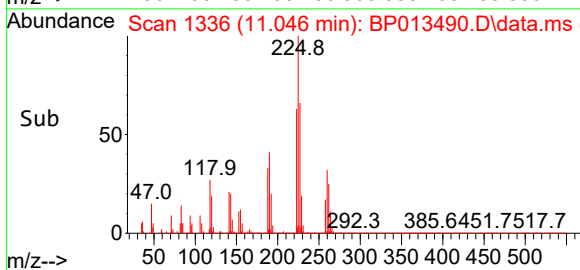
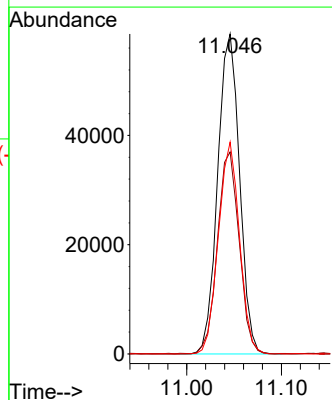
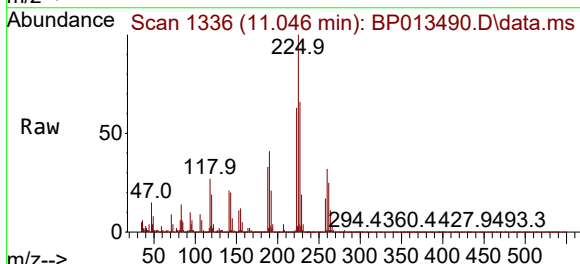
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

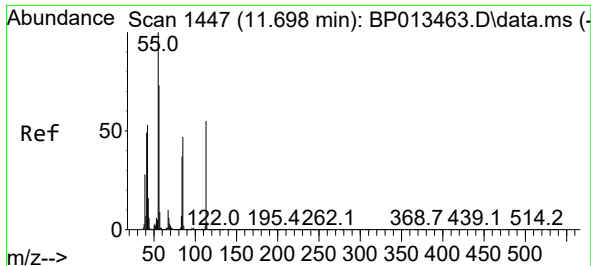
Tgt Ion:	127	Resp:	172364
Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.6	38.4
65	35.0	25.2	37.8
92	19.2	14.9	22.3



#34
Hexachlorobutadiene
Concen: 3.717 ng
RT: 11.046 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:	225	Resp:	93938
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.0	75.0
227	66.2	51.0	76.6

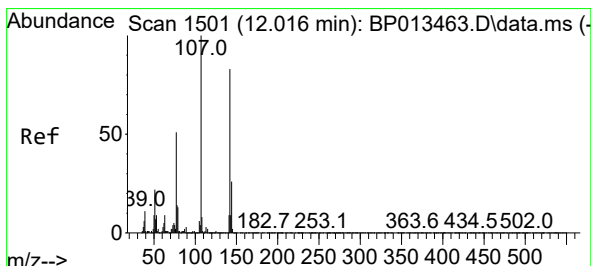
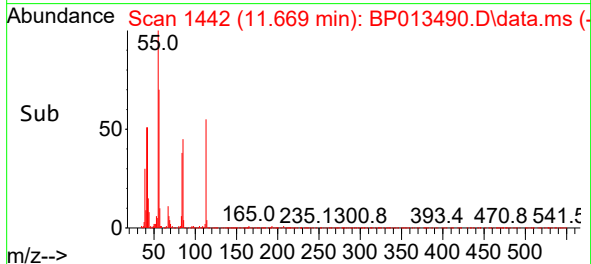
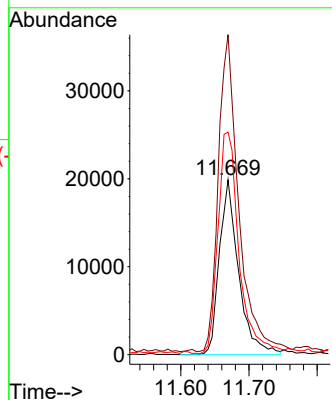
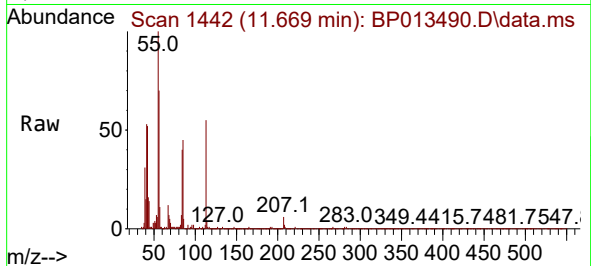




#35
Caprolactam
Concen: 2.896 ng
RT: 11.669 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

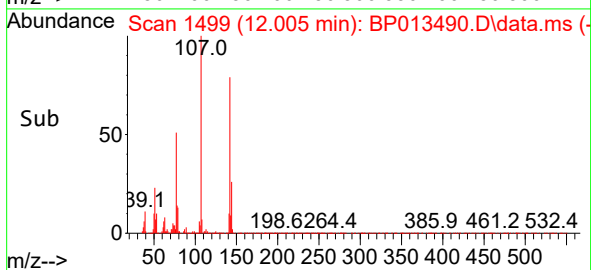
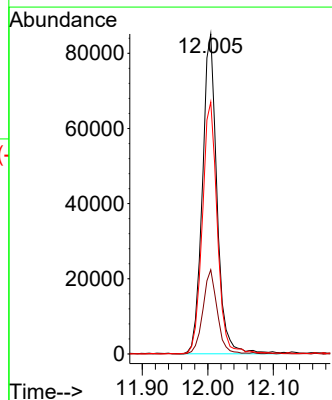
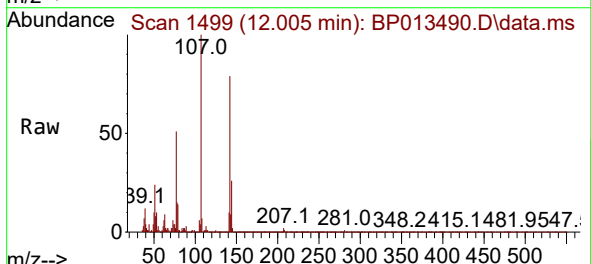
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

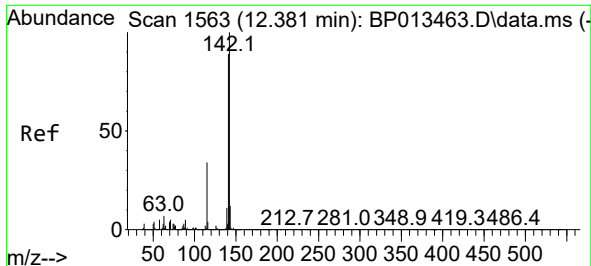
Tgt Ion:113 Resp: 39084
Ion Ratio Lower Upper
113 100
55 183.0 163.1 203.1
56 127.2 113.0 153.0



#36
4-Chloro-3-methylphenol
Concen: 3.202 ng
RT: 12.005 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:107 Resp: 132155
Ion Ratio Lower Upper
107 100
144 26.3 21.2 31.8
142 78.8 66.0 99.0

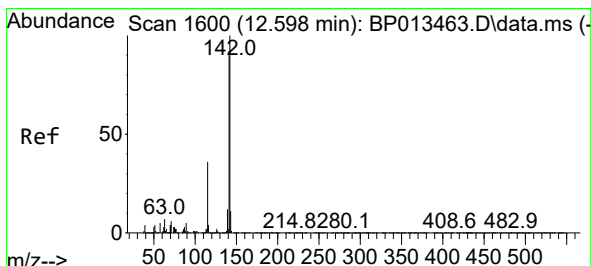
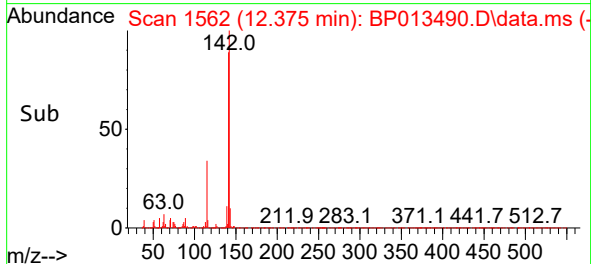
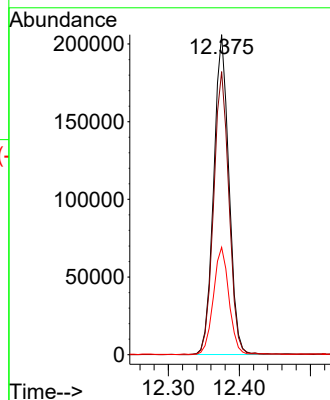
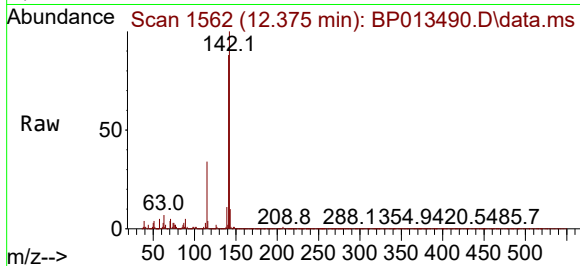




#37
2-Methylnaphthalene
Concen: 3.391 ng
RT: 12.375 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

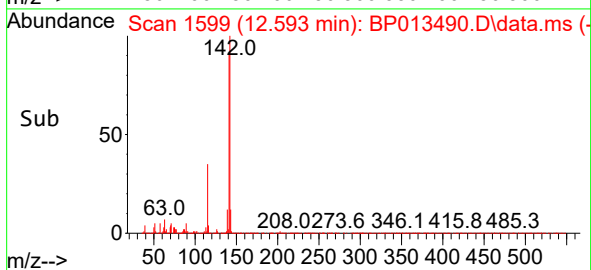
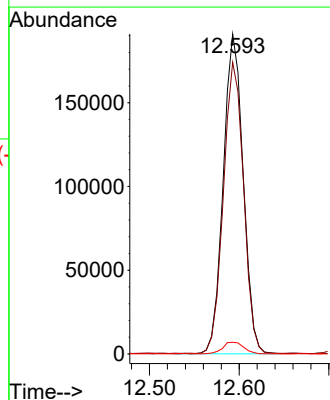
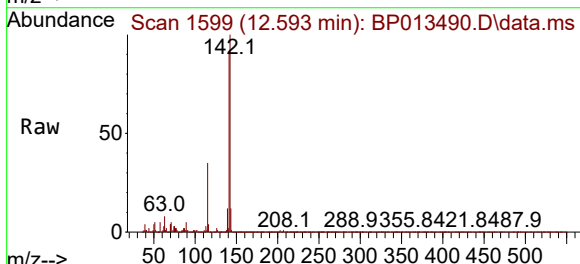
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

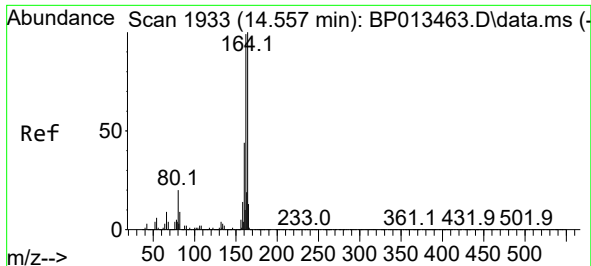
Tgt Ion:142 Resp: 306708
Ion Ratio Lower Upper
142 100
141 88.5 71.1 106.7
115 33.5 27.6 41.4



#38
1-Methylnaphthalene
Concen: 3.455 ng
RT: 12.593 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:142 Resp: 294774
Ion Ratio Lower Upper
142 100
141 91.2 73.3 109.9
116 3.7 2.9 4.3

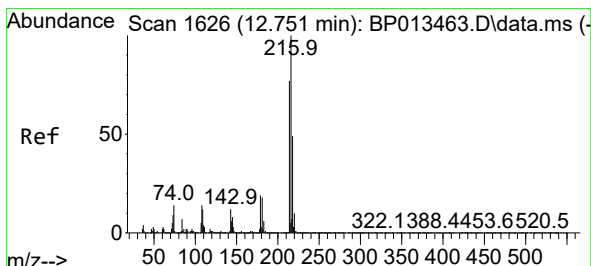
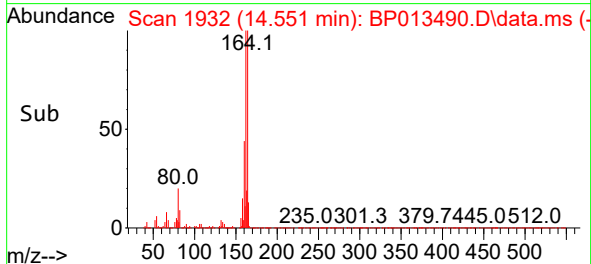
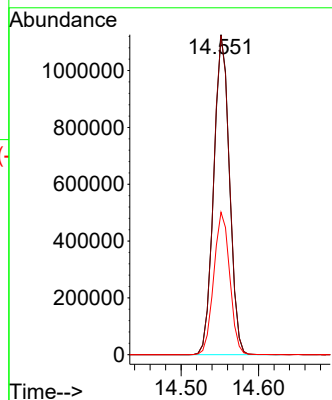
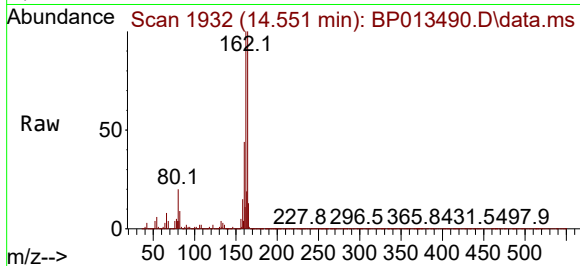




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

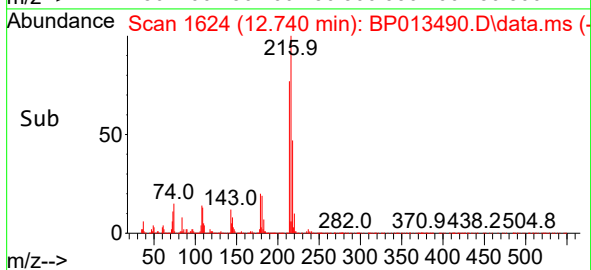
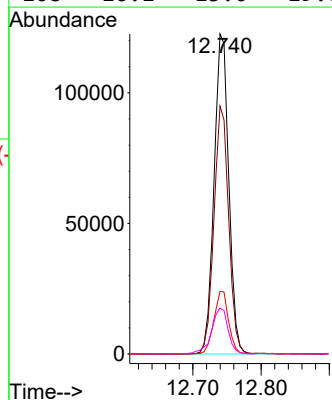
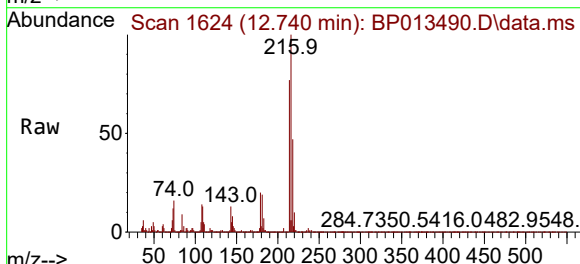
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

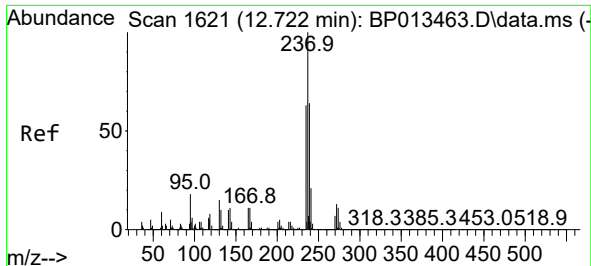
Tgt Ion:164 Resp: 1584925
Ion Ratio Lower Upper
164 100
162 99.8 79.5 119.3
160 44.5 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.536 ng
RT: 12.740 min Scan# 1624
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:216 Resp: 183705
Ion Ratio Lower Upper
216 100
214 77.8 62.1 93.1
179 19.6 15.6 23.4
108 16.1 13.0 19.6

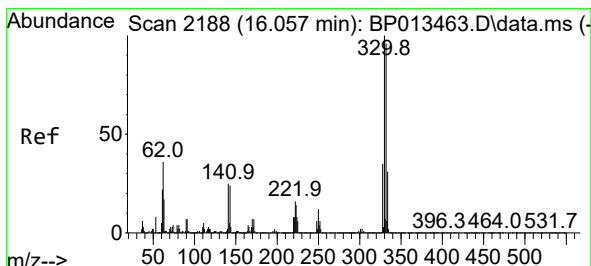
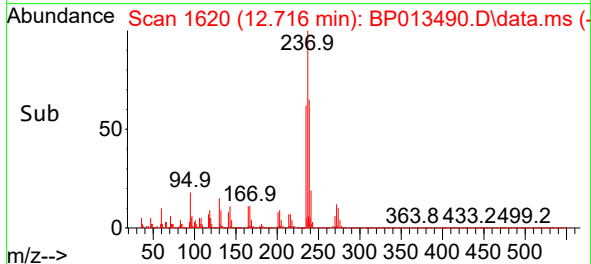
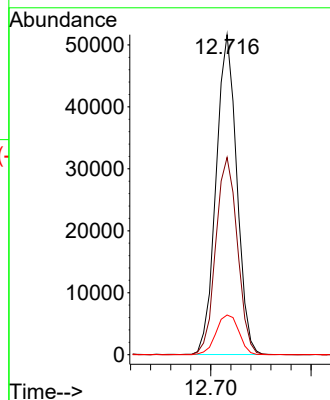
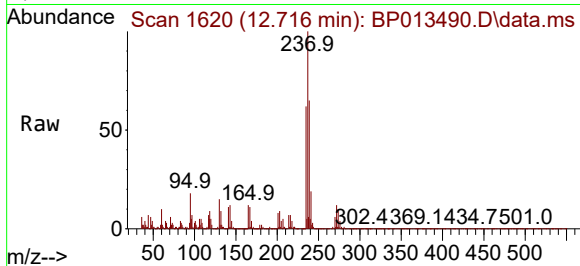




#41
Hexachlorocyclopentadiene
Concen: 2.735 ng
RT: 12.716 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

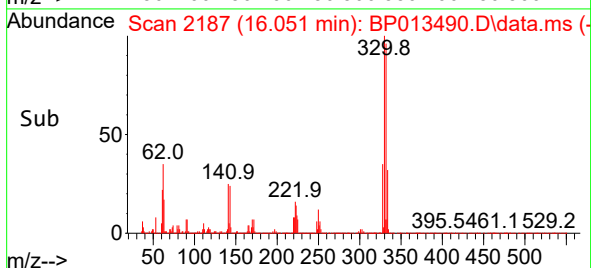
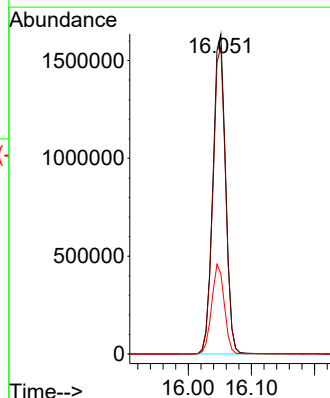
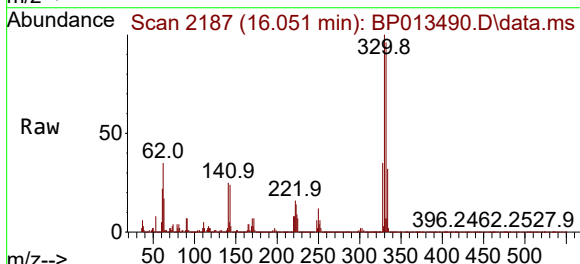
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

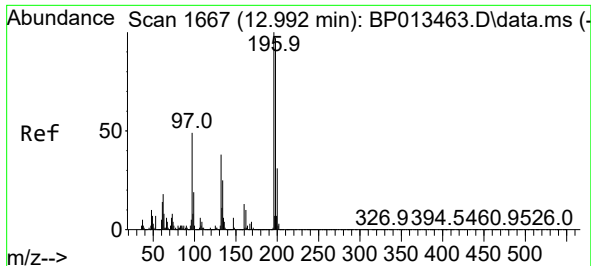
Tgt Ion:237 Resp: 74081
Ion Ratio Lower Upper
237 100
235 61.6 43.4 83.4
272 12.4 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 91.977 ng
RT: 16.051 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:330 Resp: 2275500
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 28.0 22.2 33.4

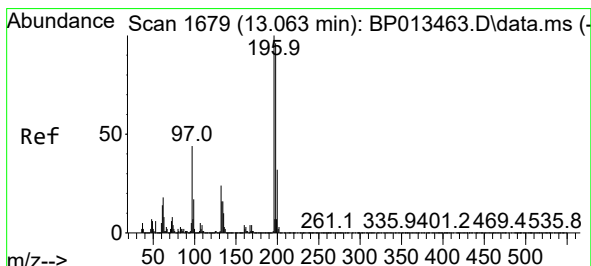
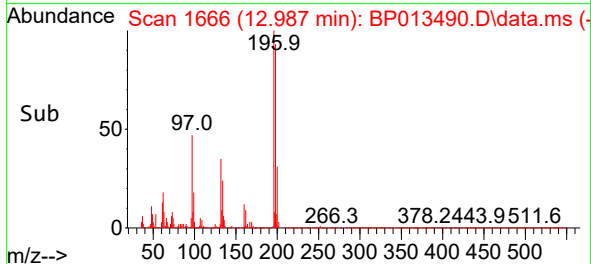
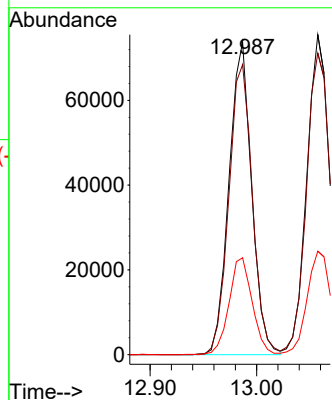
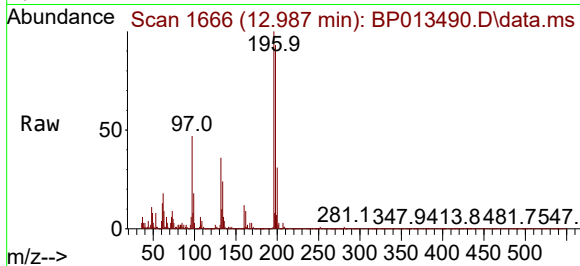




#43
2,4,6-Trichlorophenol
Concen: 3.049 ng
RT: 12.987 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

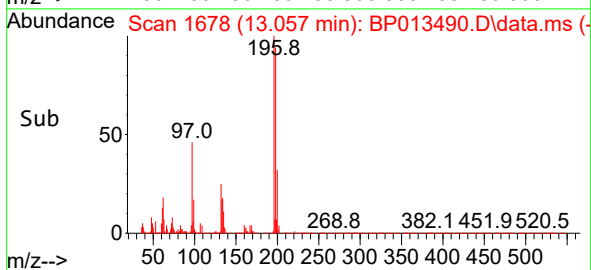
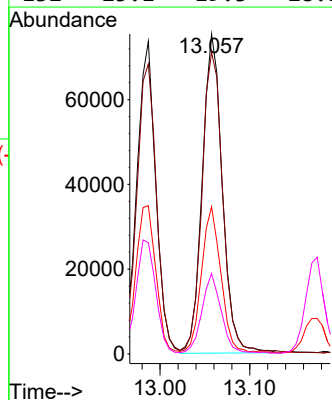
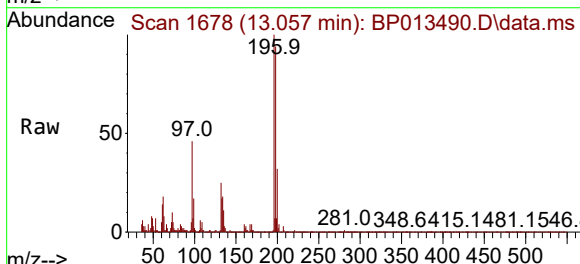
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

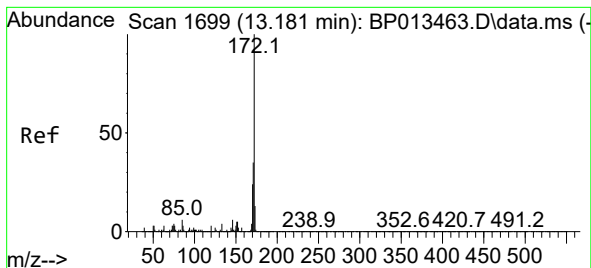
Tgt Ion:196 Resp: 108911
Ion Ratio Lower Upper
196 100
198 92.8 77.4 116.0
200 31.0 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 2.791 ng
RT: 13.057 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:196 Resp: 116984
Ion Ratio Lower Upper
196 100
198 94.2 76.8 115.2
97 46.0 34.9 52.3
132 25.1 19.3 28.9





#45

2-Fluorobiphenyl

Concen: 71.211 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

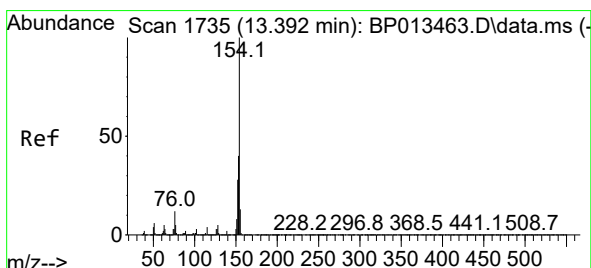
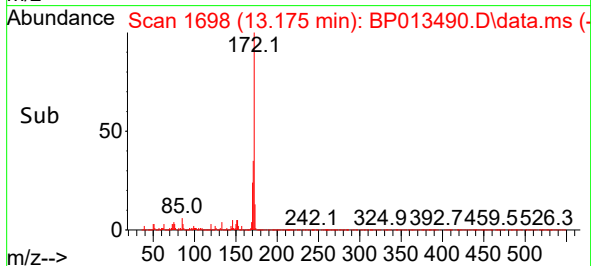
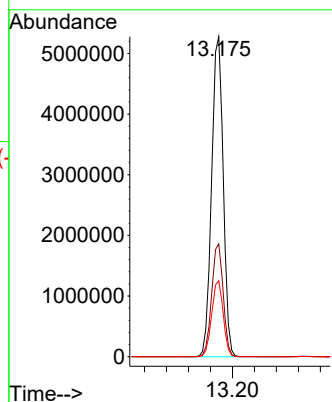
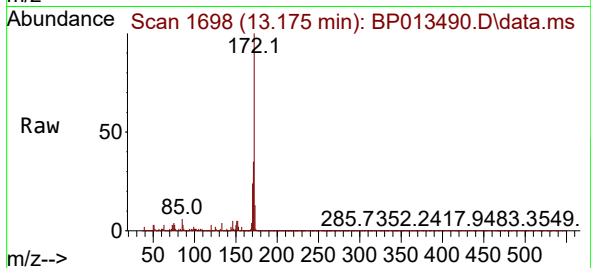
Tgt Ion:172 Resp: 7720650

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.7 19.0 28.4



#46

1,1'-Biphenyl

Concen: 3.632 ng

RT: 13.387 min Scan# 1734

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

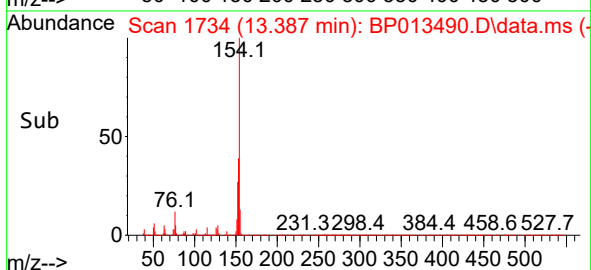
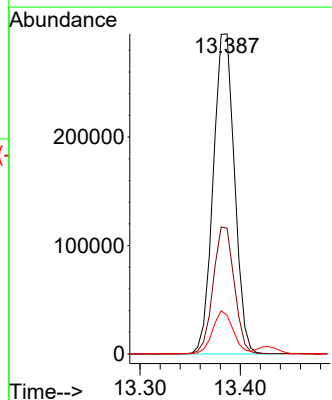
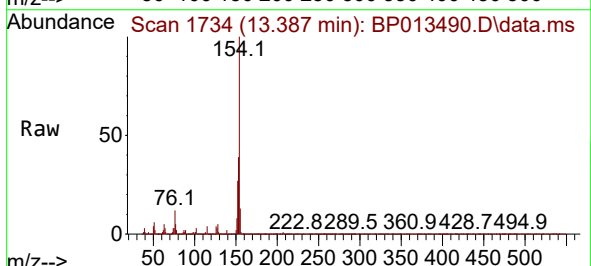
Tgt Ion:154 Resp: 435251

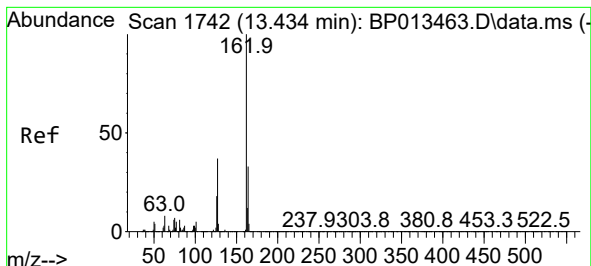
Ion Ratio Lower Upper

154 100

153 39.3 19.9 59.9

76 12.1 0.0 32.5





#47

2-Chloronaphthalene

Concen: 3.487 ng

RT: 13.428 min Scan# 1741

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

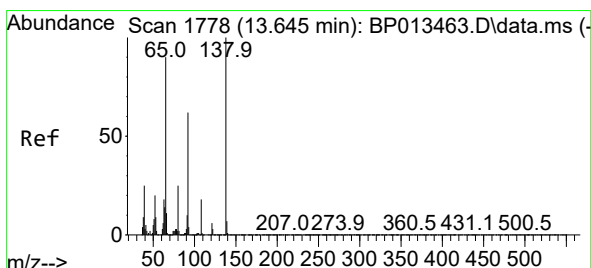
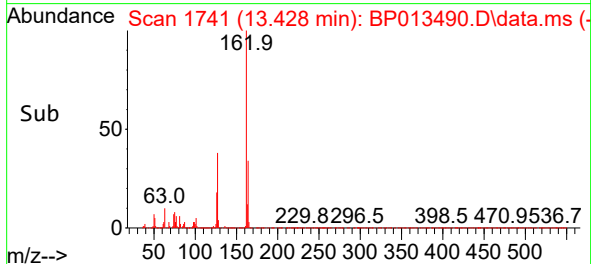
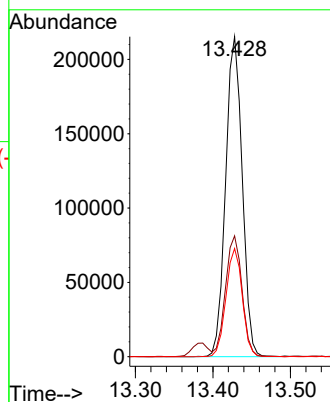
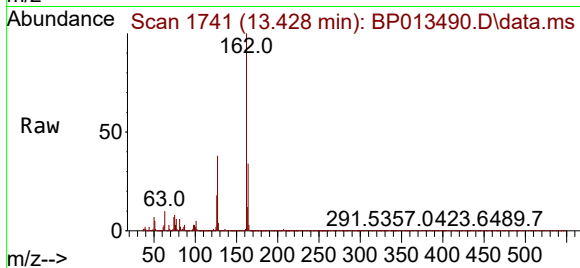
Tgt Ion:162 Resp: 320449

Ion Ratio Lower Upper

162 100

127 37.7 29.8 44.8

164 33.8 26.4 39.6



#48

2-Nitroaniline

Concen: 2.657 ng

RT: 13.634 min Scan# 1776

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

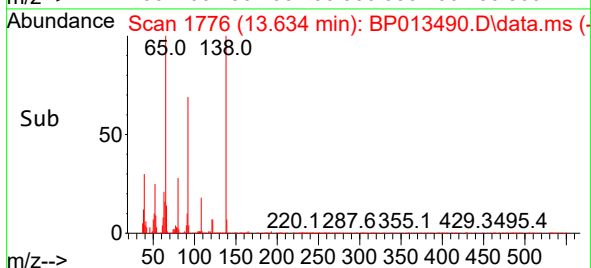
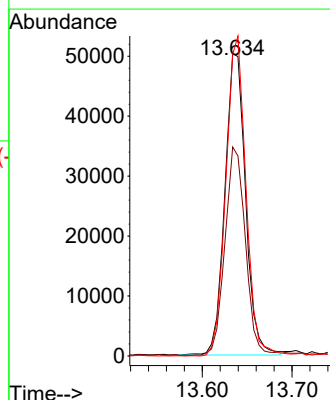
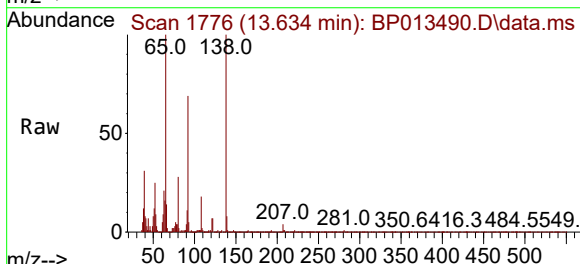
Tgt Ion: 65 Resp: 80367

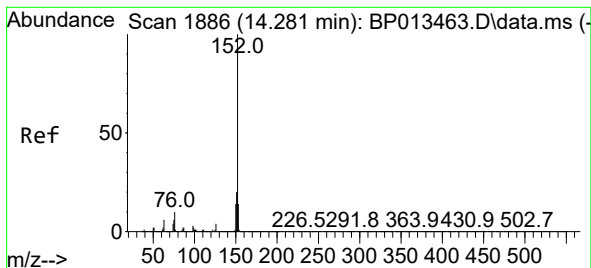
Ion Ratio Lower Upper

65 100

92 69.1 55.1 82.7

138 99.7 88.5 132.7





#49

Acenaphthylene

Concen: 3.276 ng

RT: 14.275 min Scan# 1885

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

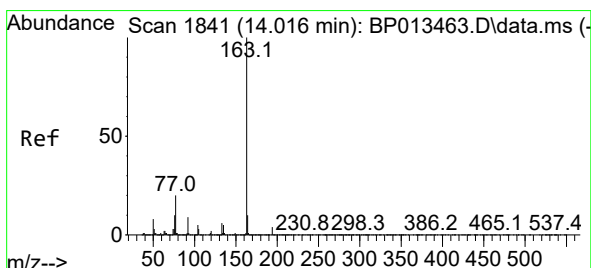
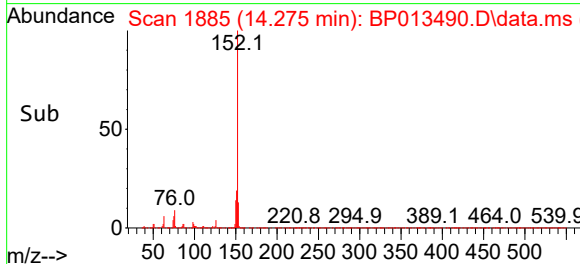
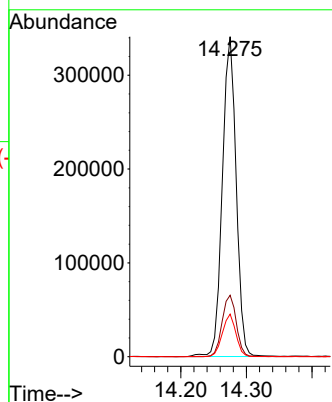
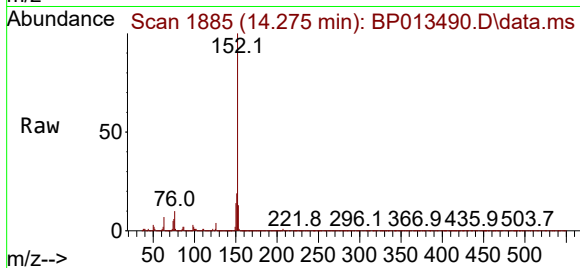
Tgt Ion:152 Resp: 496501

Ion Ratio Lower Upper

152 100

151 19.2 16.0 24.0

153 13.3 10.9 16.3



#50

Dimethylphthalate

Concen: 3.290 ng

RT: 14.004 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

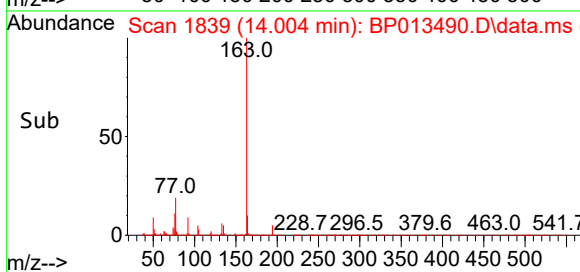
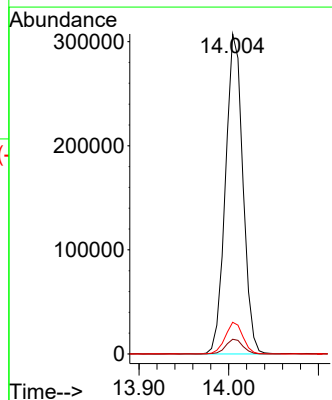
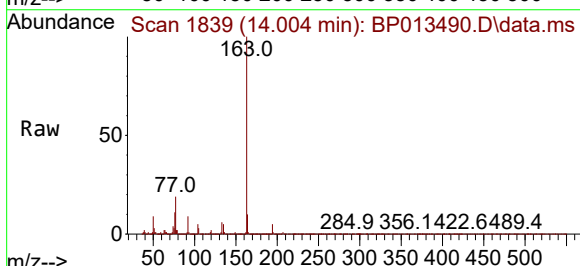
Tgt Ion:163 Resp: 413518

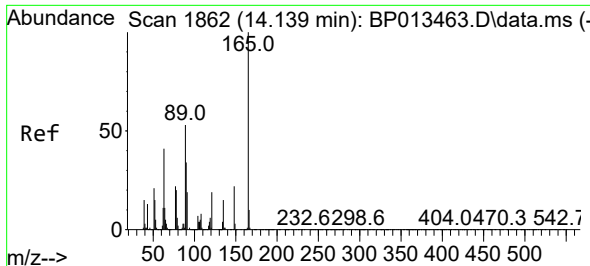
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

164 9.9 8.3 12.5

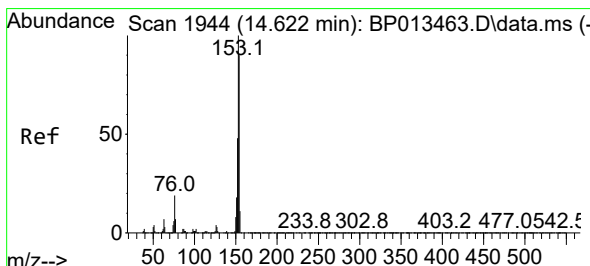
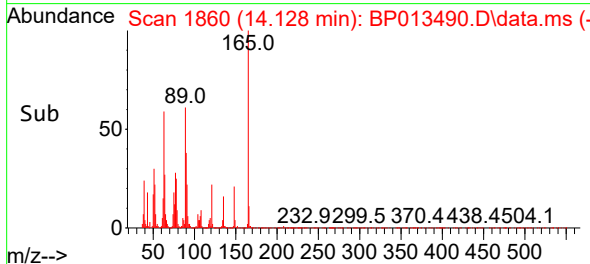
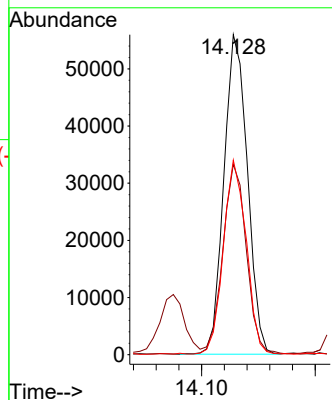
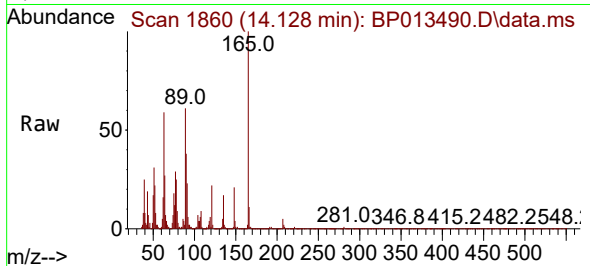




#51
2,6-Dinitrotoluene
Concen: 2.934 ng
RT: 14.128 min Scan# 1860
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

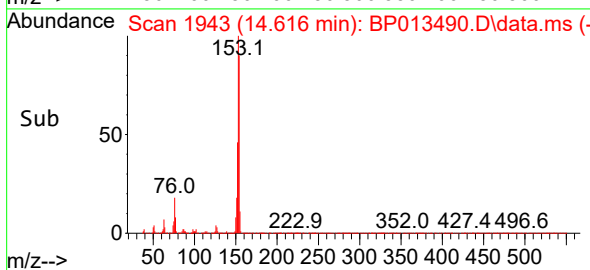
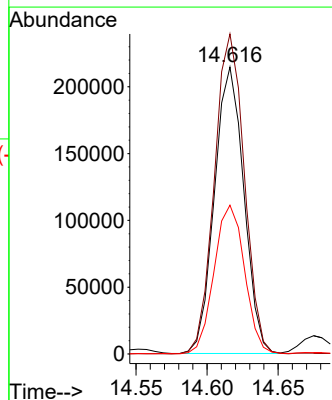
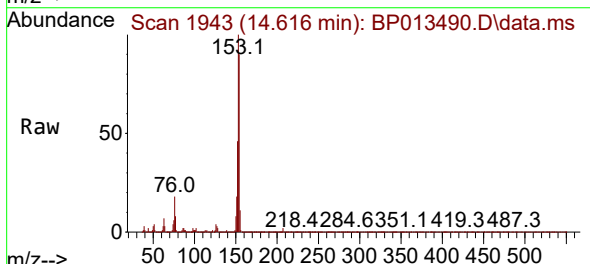
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

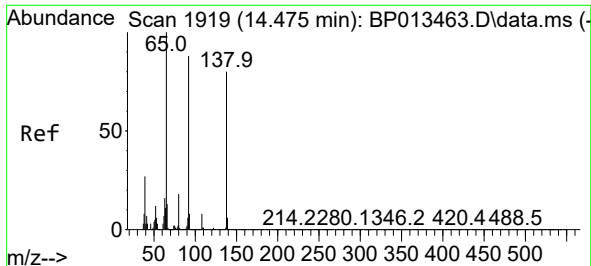
Tgt Ion:165 Resp: 80426
Ion Ratio Lower Upper
165 100
63 59.5 42.8 64.2
89 60.8 42.5 63.7



#52
Acenaphthene
Concen: 3.443 ng
RT: 14.616 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:154 Resp: 308885
Ion Ratio Lower Upper
154 100
153 111.6 89.2 133.8
152 51.9 42.8 64.2

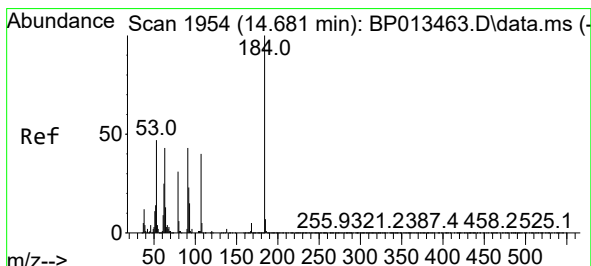
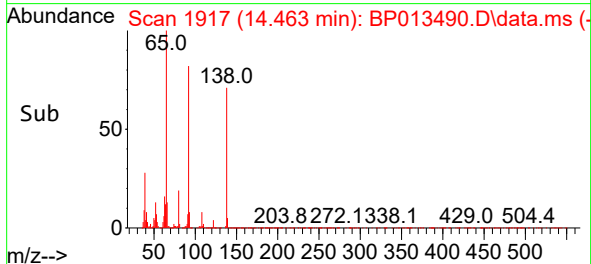
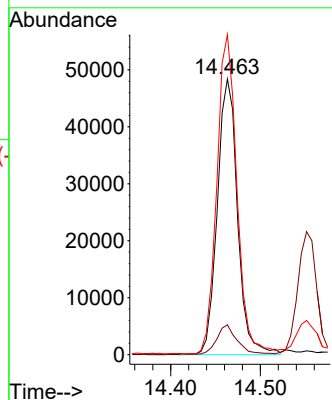
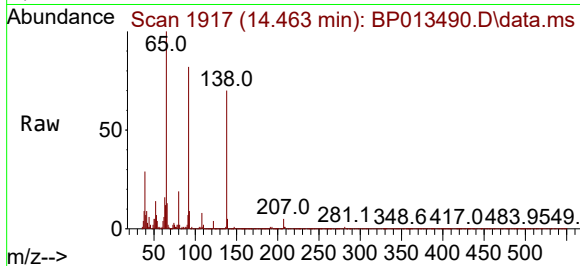




#53
3-Nitroaniline
Concen: 2.583 ng
RT: 14.463 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

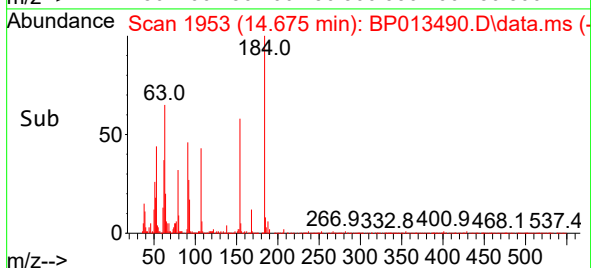
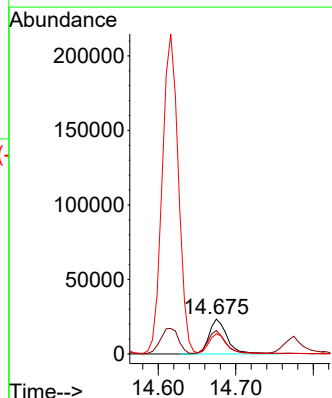
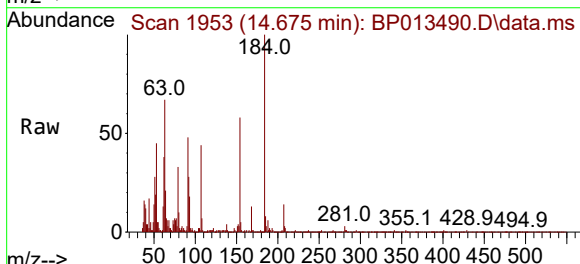
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

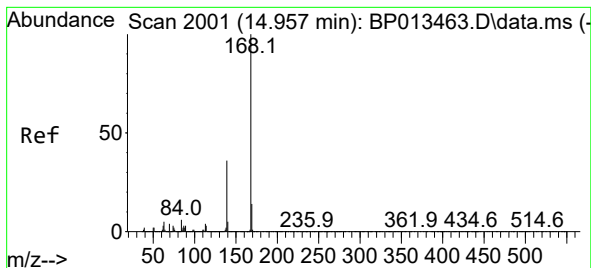
Tgt Ion:138 Resp: 75757
Ion Ratio Lower Upper
138 100
108 10.9 7.7 11.5
92 116.0 88.2 132.2



#54
2,4-Dinitrophenol
Concen: 2.024 ng
RT: 14.675 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:184 Resp: 37699
Ion Ratio Lower Upper
184 100
63 66.8 49.8 74.8
154 58.3 45.8 68.8





#55

Dibenzofuran

Concen: 3.510 ng

RT: 14.951 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNL_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

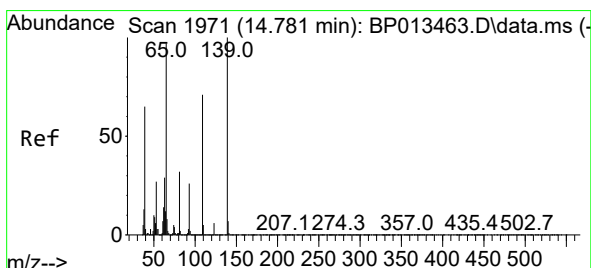
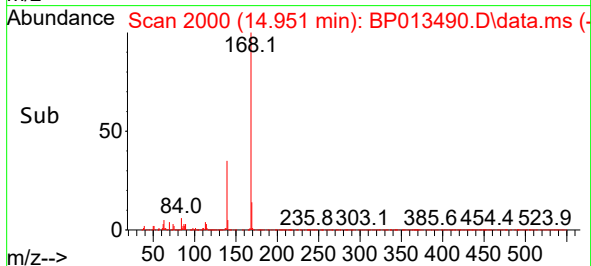
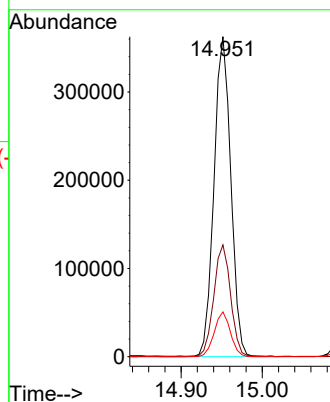
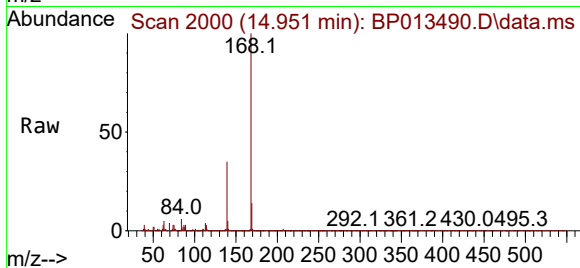
Tgt Ion:168 Resp: 522100

Ion Ratio Lower Upper

168 100

139 35.0 28.6 43.0

169 14.0 11.0 16.6



#56

4-Nitrophenol

Concen: 2.535 ng

RT: 14.775 min Scan# 1970

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

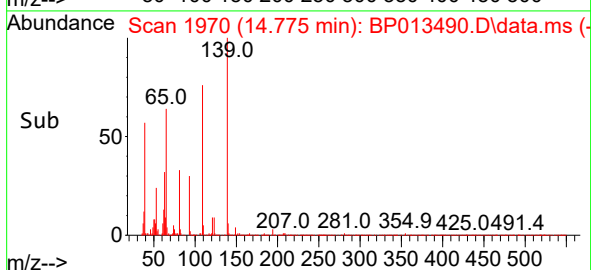
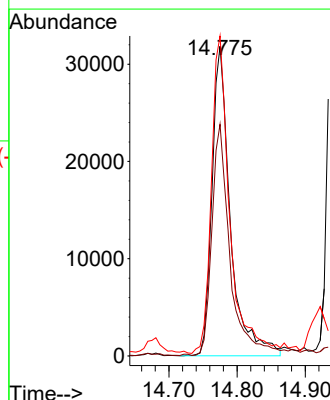
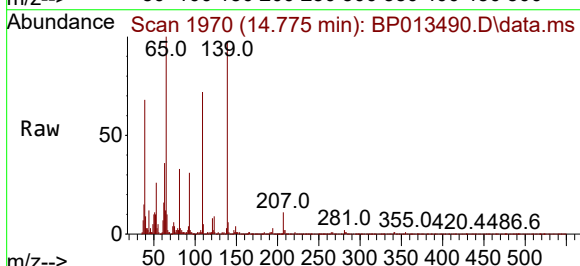
Tgt Ion:139 Resp: 59745

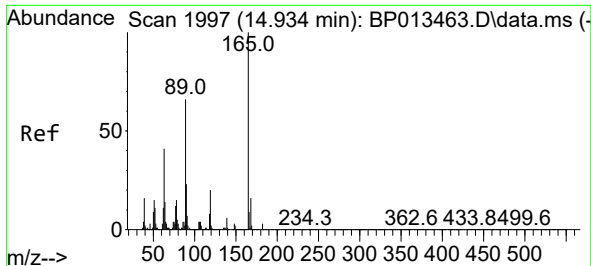
Ion Ratio Lower Upper

139 100

109 74.8 51.0 91.0

65 103.3 77.3 117.3

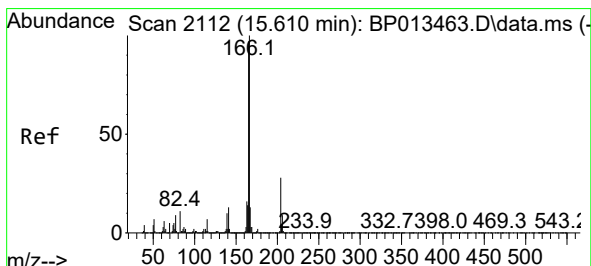
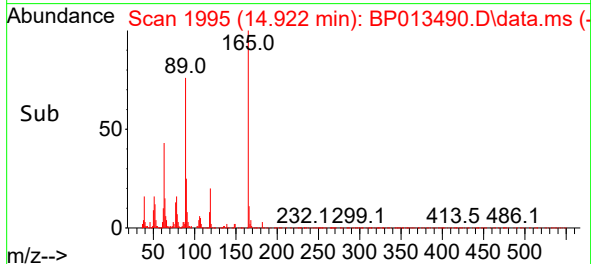
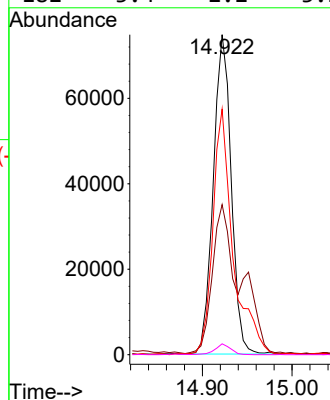
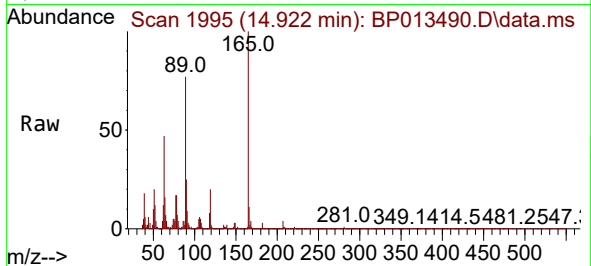




#57
2,4-Dinitrotoluene
Concen: 2.772 ng
RT: 14.922 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

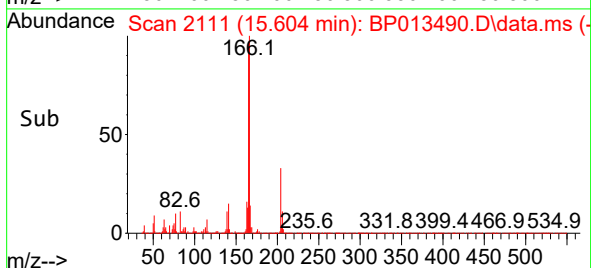
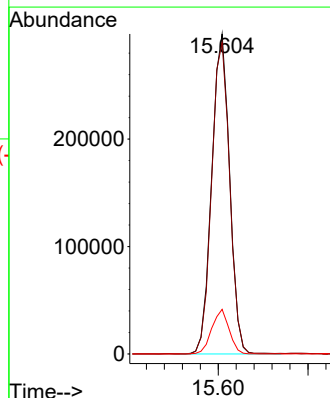
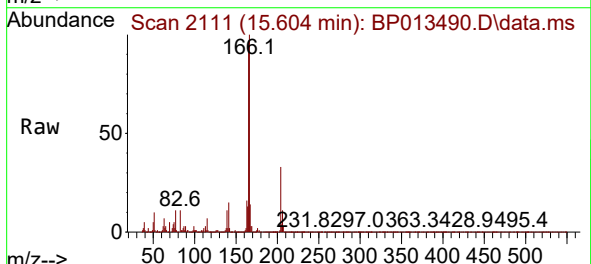
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

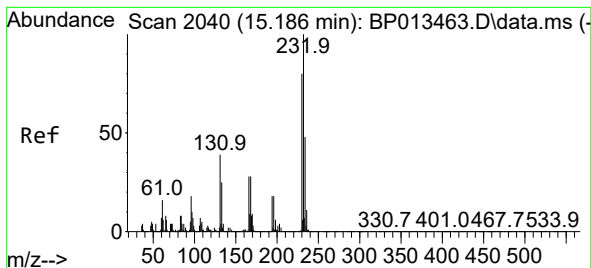
Tgt Ion:165 Resp: 103931
Ion Ratio Lower Upper
165 100
63 46.9 33.3 49.9
89 76.8 52.6 78.8
182 3.4 2.2 3.2#



#58
Fluorene
Concen: 3.510 ng
RT: 15.604 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:166 Resp: 411923
Ion Ratio Lower Upper
166 100
165 97.3 77.9 116.9
167 14.0 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.041 ng

RT: 15.181 min Scan# 2040

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:232 Resp: 110197

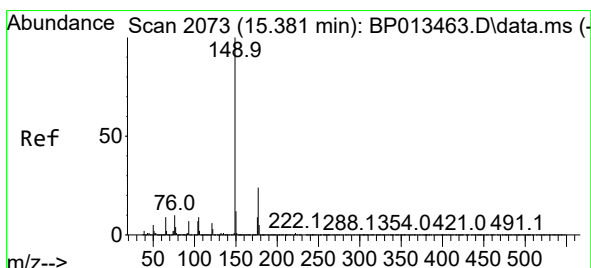
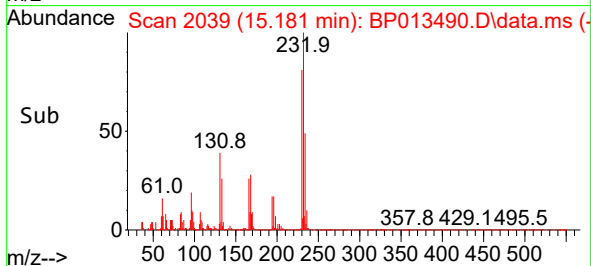
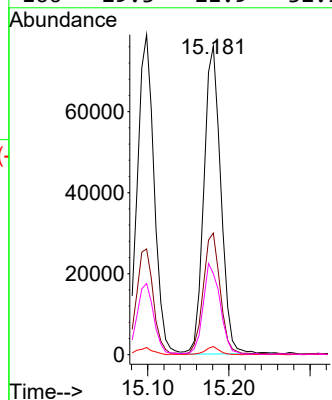
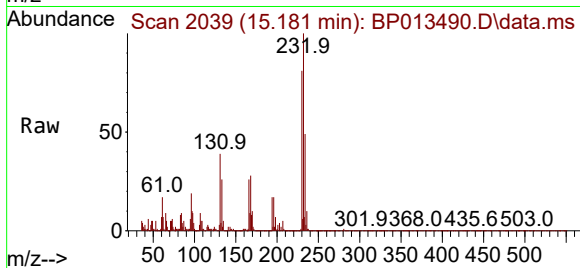
Ion Ratio Lower Upper

232 100

131 39.3 30.3 45.5

130 2.3 1.7 2.5

166 29.3 21.9 32.9



#60

Diethylphthalate

Concen: 3.288 ng

RT: 15.369 min Scan# 2071

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

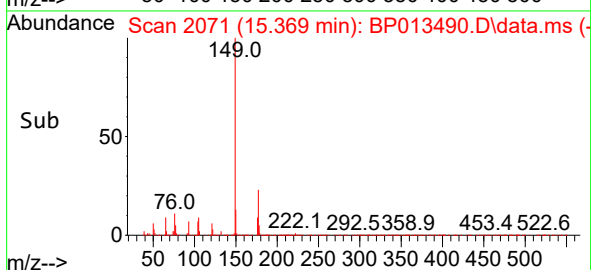
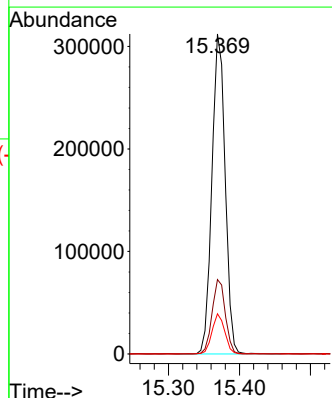
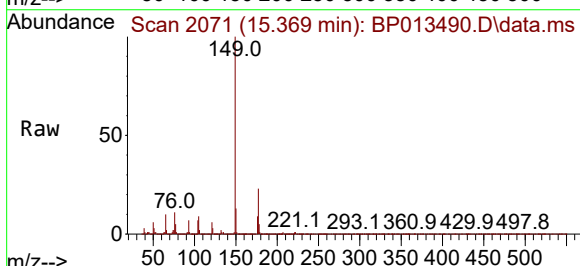
Tgt Ion:149 Resp: 404383

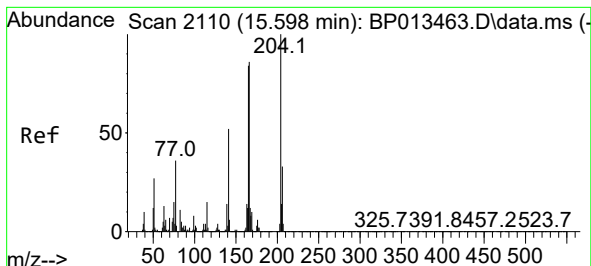
Ion Ratio Lower Upper

149 100

177 23.3 18.8 28.2

150 12.6 9.9 14.9

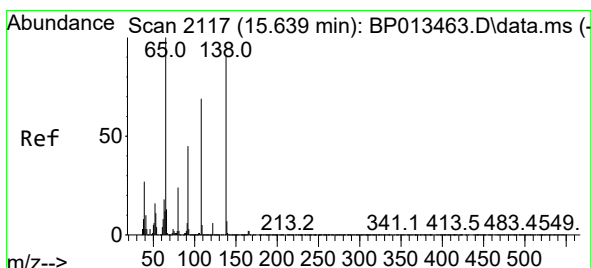
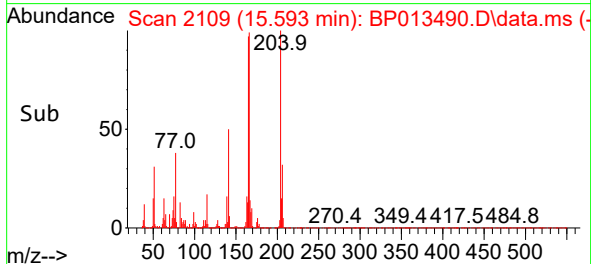
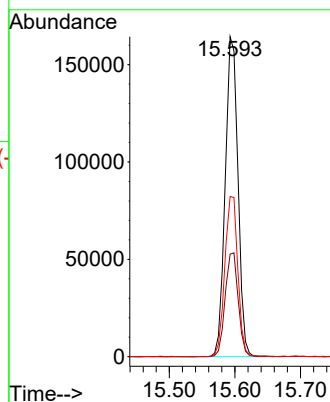
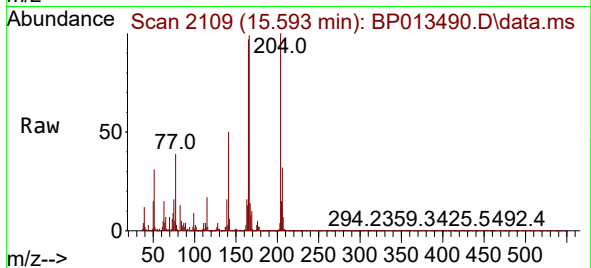




#61
4-Chlorophenyl-phenylether
Concen: 3.542 ng
RT: 15.593 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

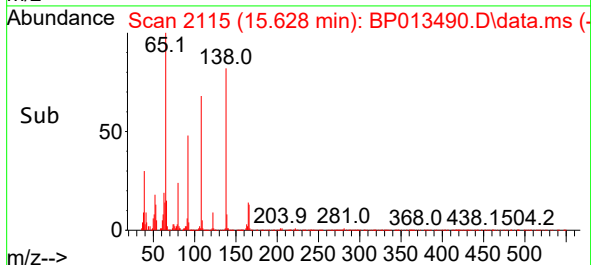
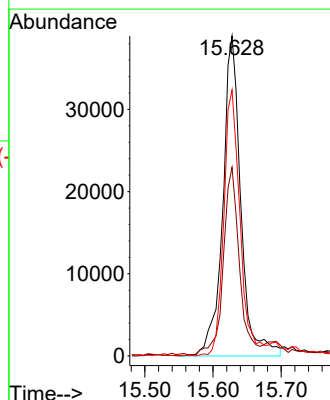
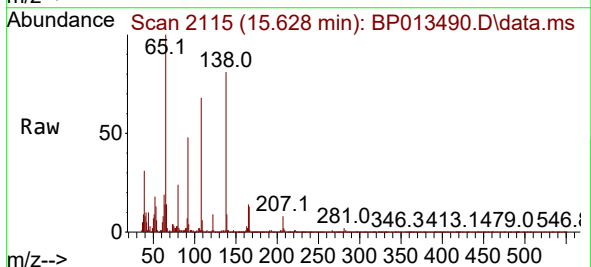
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

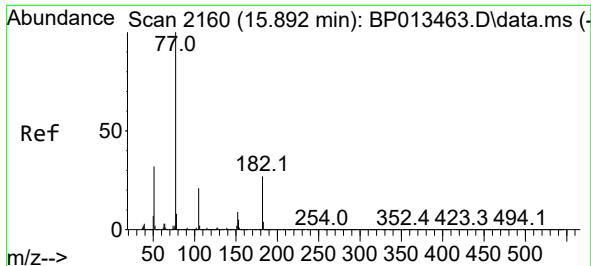
Tgt Ion:204 Resp: 220802
Ion Ratio Lower Upper
204 100
206 32.0 26.4 39.6
141 50.0 41.3 61.9



#62
4-Nitroaniline
Concen: 2.392 ng
RT: 15.628 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:138 Resp: 71826
Ion Ratio Lower Upper
138 100
92 59.0 29.7 69.7
108 83.1 55.8 95.8

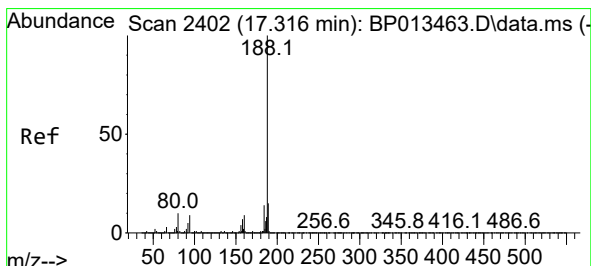
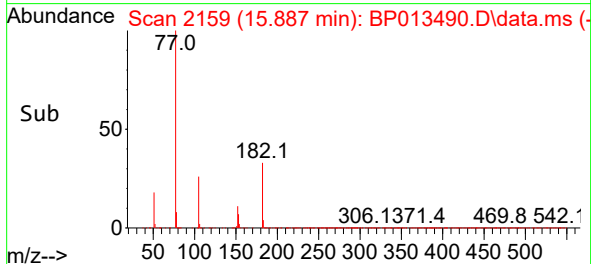
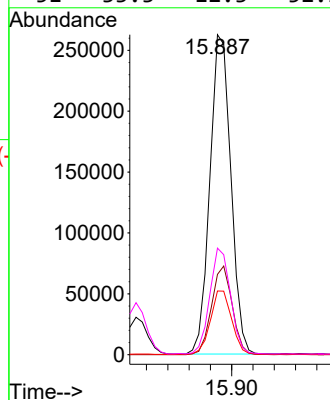
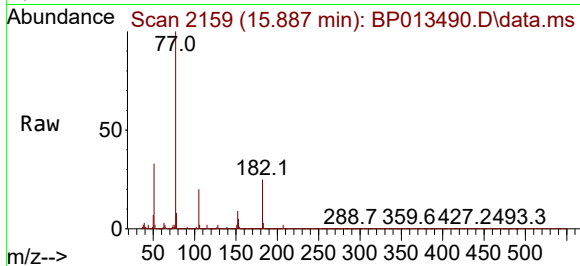




#63
Azobenzene
Concen: 3.187 ng
RT: 15.887 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

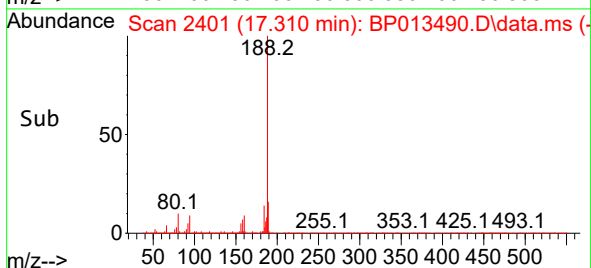
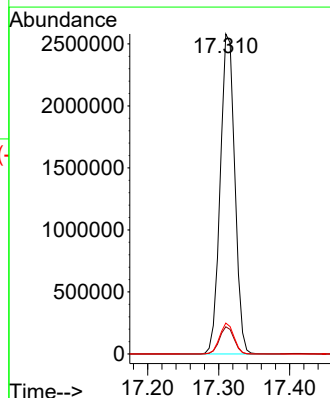
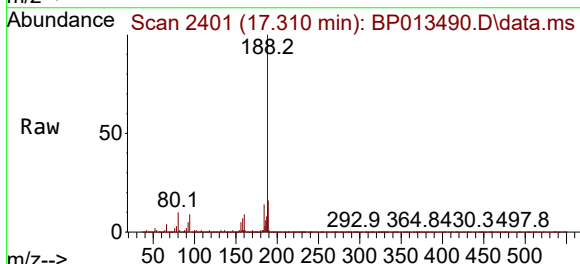
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

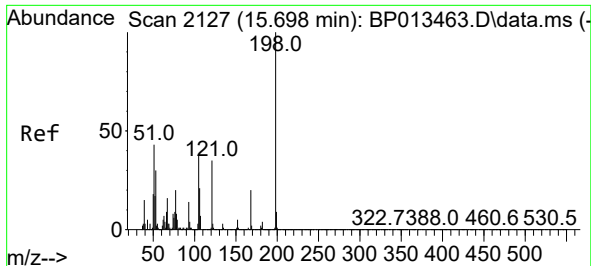
Tgt Ion: 77	Resp: 359933
Ion Ratio	Lower Upper
77 100	
182 25.1	7.0 47.0
105 19.9	1.0 41.0
51 33.3	12.3 52.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 188	Resp: 3652131
Ion Ratio	Lower Upper
188 100	
94 8.5	7.1 10.7
80 9.7	7.9 11.9

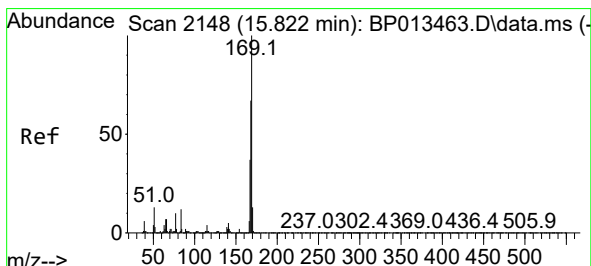
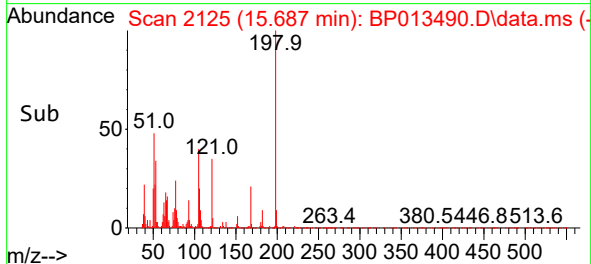
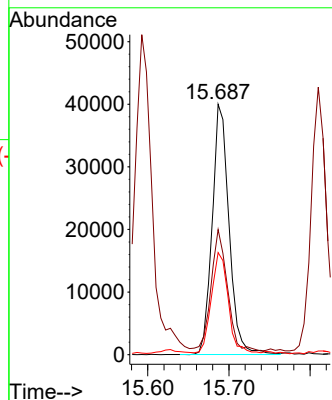
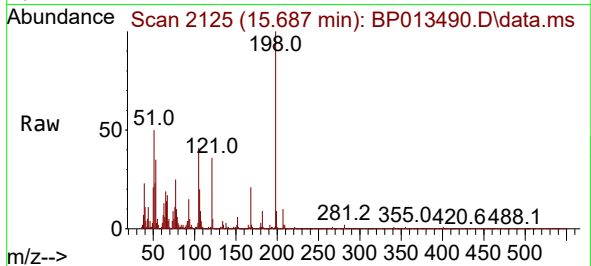




#65
4,6-Dinitro-2-methylphenol
Concen: 2.313 ng
RT: 15.687 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

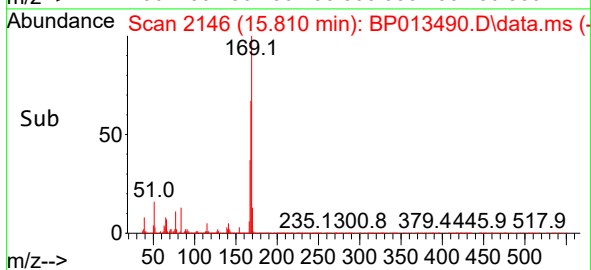
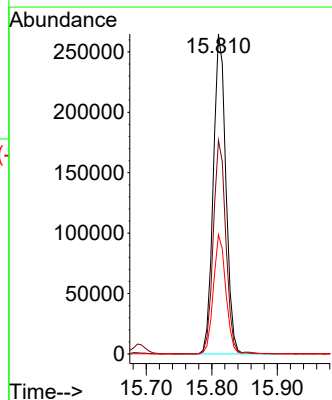
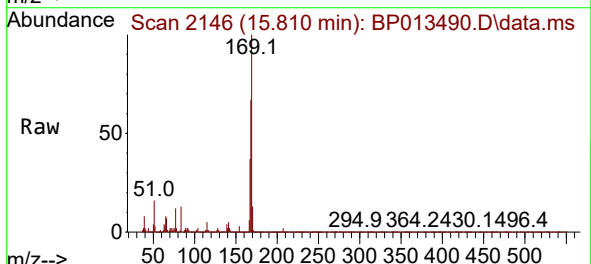
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

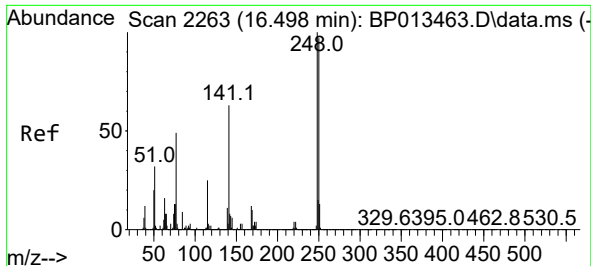
Tgt Ion:198 Resp: 57762
Ion Ratio Lower Upper
198 100
51 50.0 23.6 63.6
105 40.8 17.9 57.9



#66
n-Nitrosodiphenylamine
Concen: 3.290 ng
RT: 15.810 min Scan# 2146
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:169 Resp: 353034
Ion Ratio Lower Upper
169 100
168 66.8 53.3 79.9
167 37.3 29.4 44.0

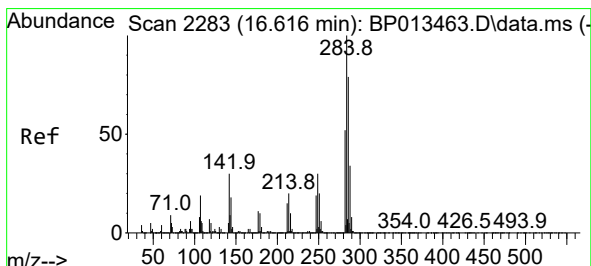
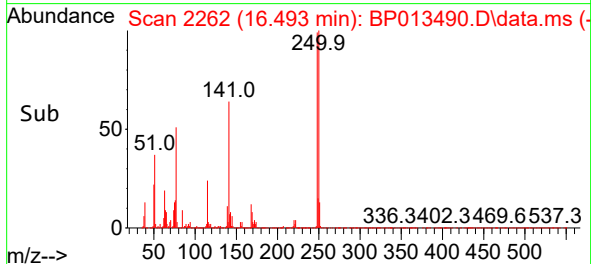
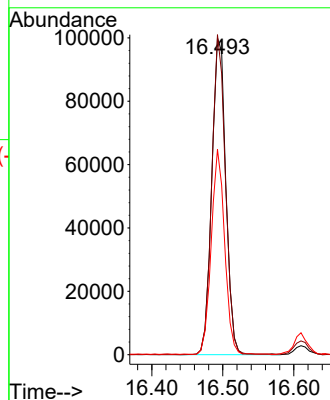
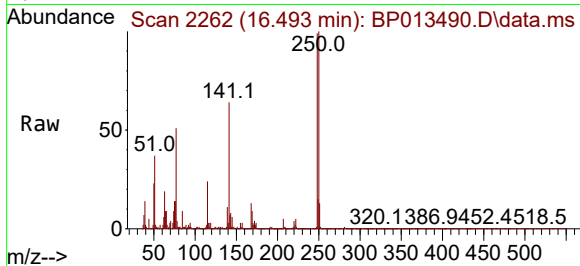




#67
4-Bromophenyl-phenylether
Concen: 3.256 ng
RT: 16.493 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

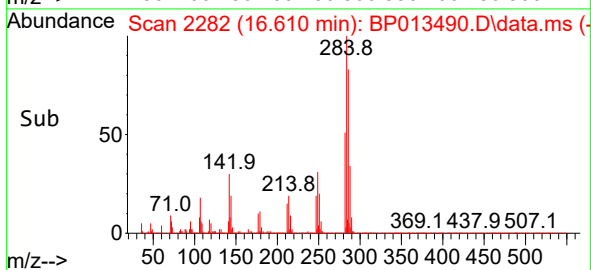
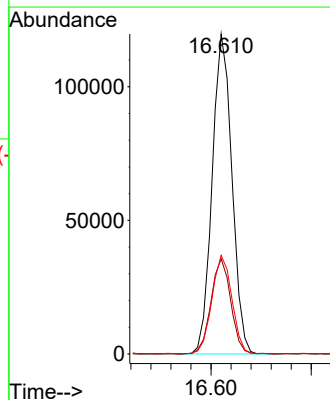
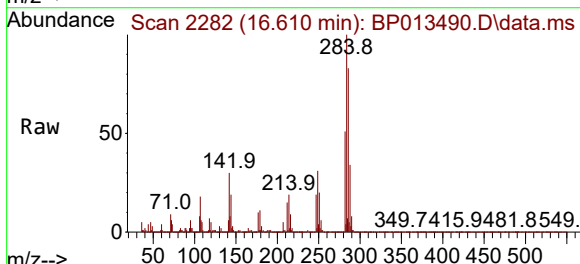
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

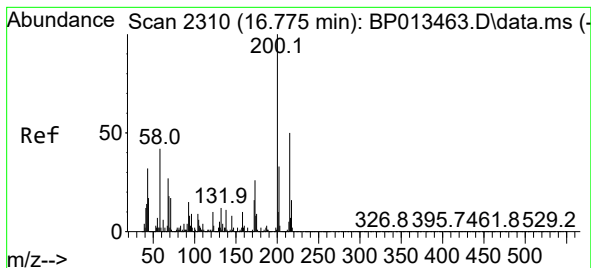
Tgt Ion:248 Resp: 136911
Ion Ratio Lower Upper
248 100
250 101.0 77.7 116.5
141 64.8 50.2 75.4



#68
Hexachlorobenzene
Concen: 3.578 ng
RT: 16.610 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:284 Resp: 163812
Ion Ratio Lower Upper
284 100
142 29.7 23.9 35.9
249 30.8 24.1 36.1





#69

Atrazine

Concen: 3.356 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

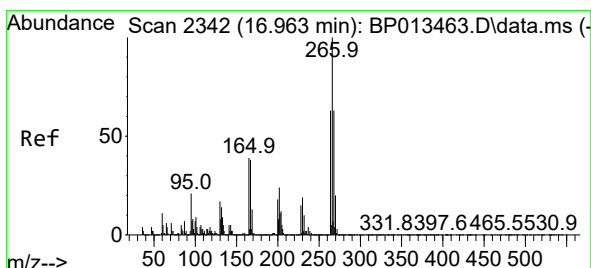
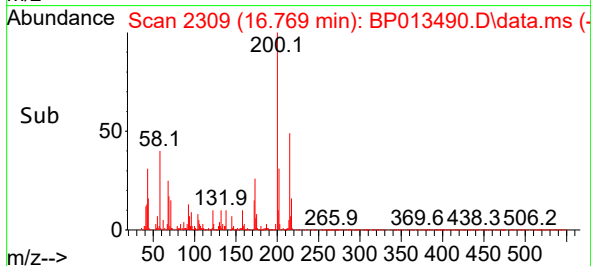
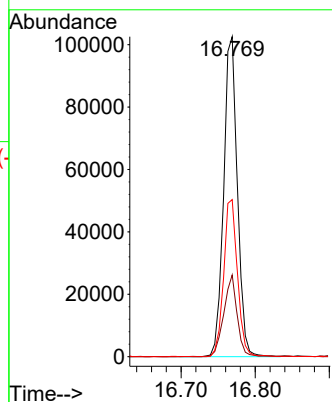
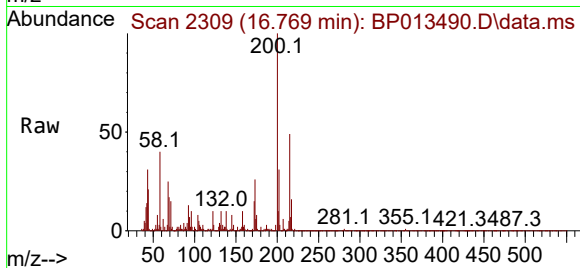
Tgt Ion:200 Resp: 131888

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

215 49.1 30.0 70.0



#70

Pentachlorophenol

Concen: 2.474 ng

RT: 16.963 min Scan# 2342

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

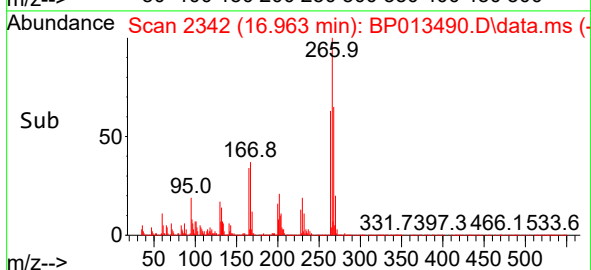
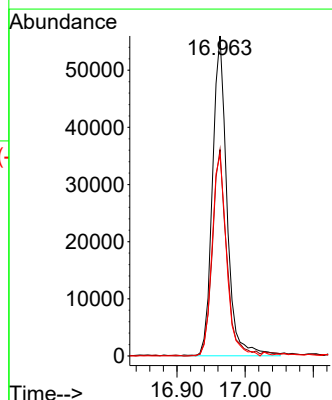
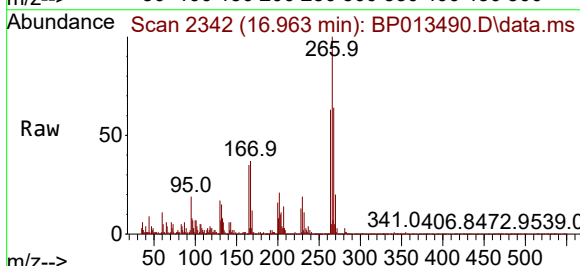
Tgt Ion:266 Resp: 83002

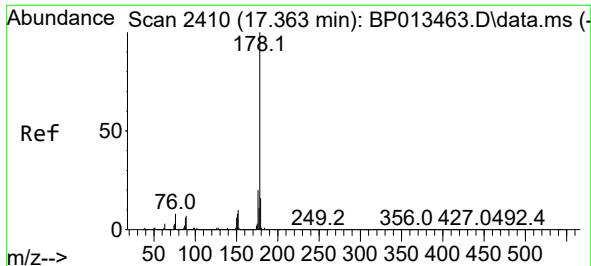
Ion Ratio Lower Upper

266 100

268 64.5 50.7 76.1

264 62.9 50.4 75.6

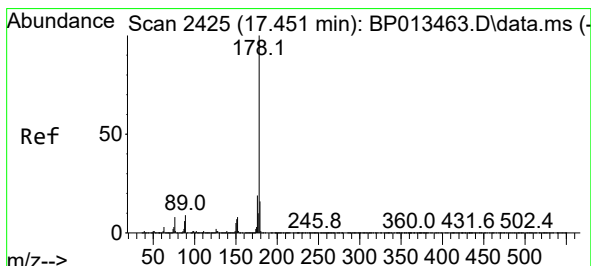
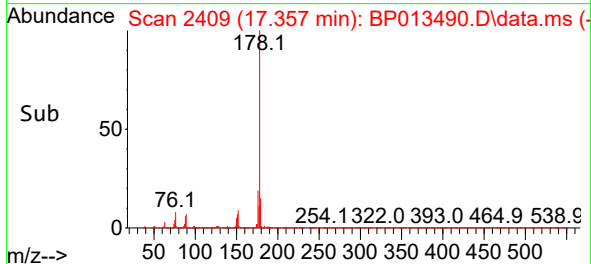
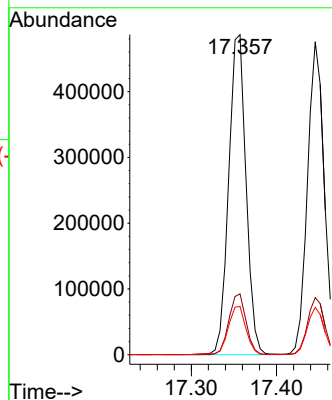
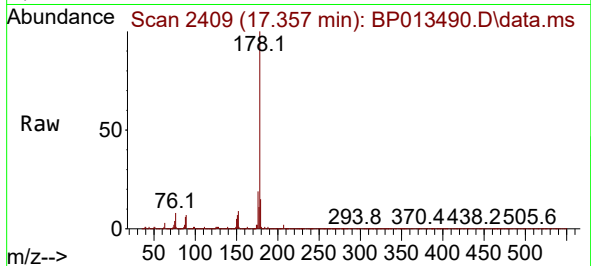




#71
Phenanthrene
Concen: 3.563 ng
RT: 17.357 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

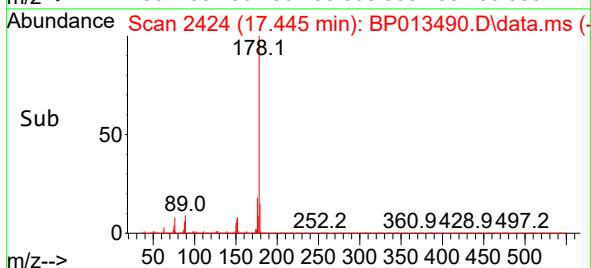
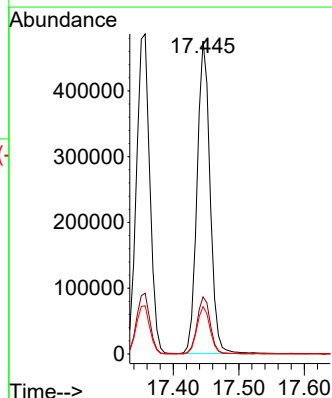
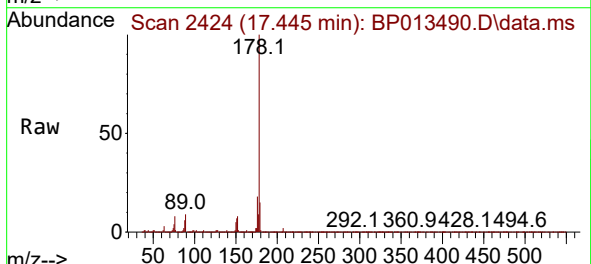
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

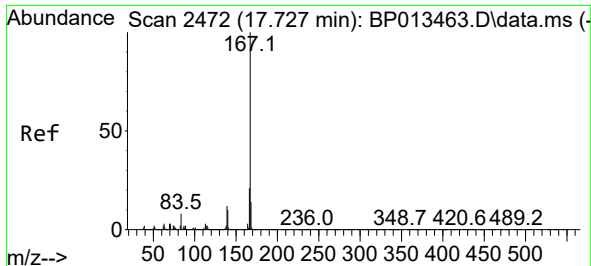
Tgt Ion:178 Resp: 686637
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.1 12.6 19.0



#72
Anthracene
Concen: 3.345 ng
RT: 17.445 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:178 Resp: 655941
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 15.1 12.6 18.8

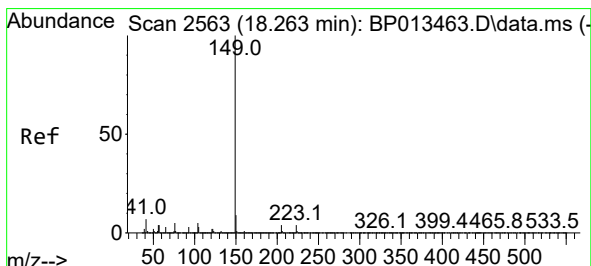
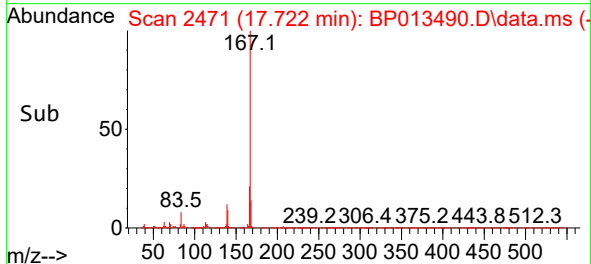
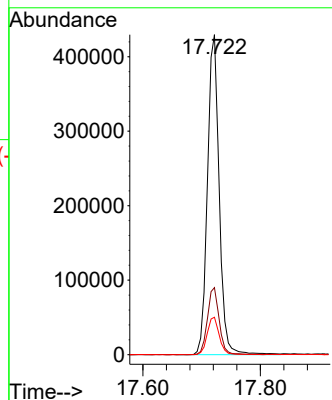
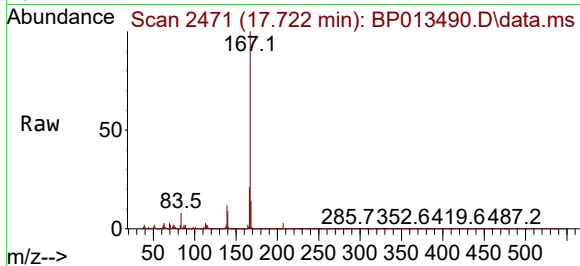




#73
 Carbazole
 Concen: 3.328 ng
 RT: 17.722 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BP013490.D
 Acq: 17 Jan 2023 11:21

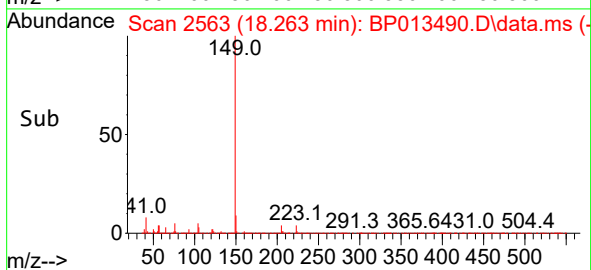
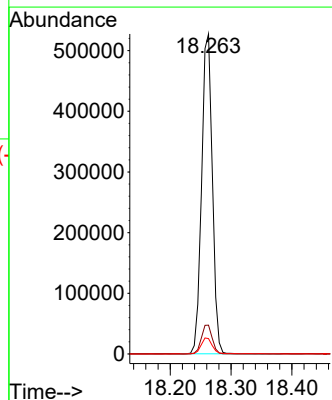
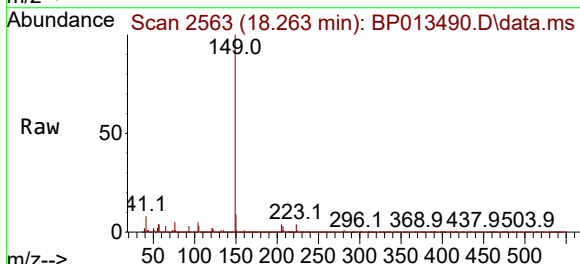
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

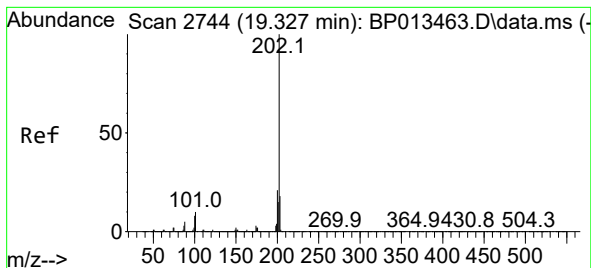
Tgt Ion:167 Resp: 594288
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 11.7 9.9 14.9



#74
 Di-n-butylphthalate
 Concen: 3.095 ng
 RT: 18.263 min Scan# 2563
 Delta R.T. 0.000 min
 Lab File: BP013490.D
 Acq: 17 Jan 2023 11:21

Tgt Ion:149 Resp: 641494
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.5 11.3
 104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 3.481 ng

RT: 19.322 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

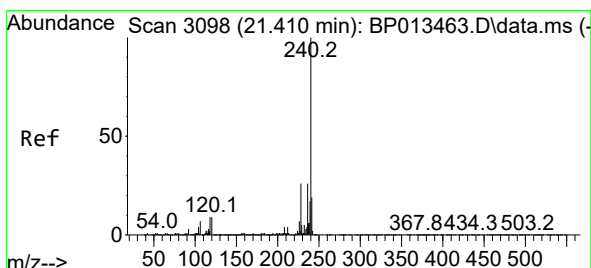
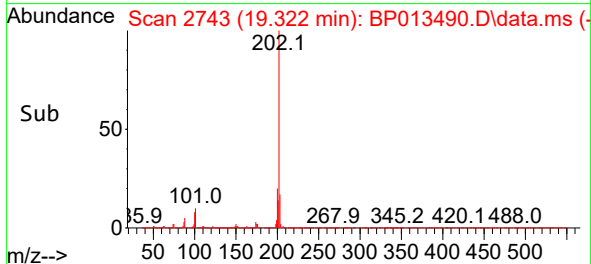
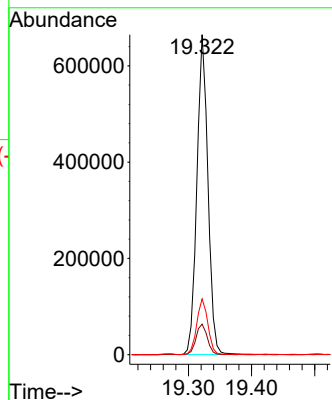
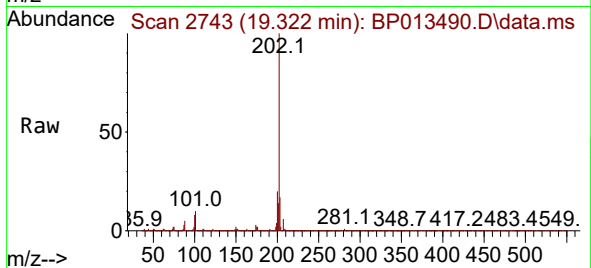
Tgt Ion:202 Resp: 805716

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.3

203 17.5 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3097

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

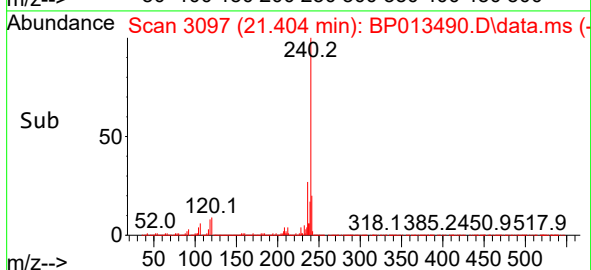
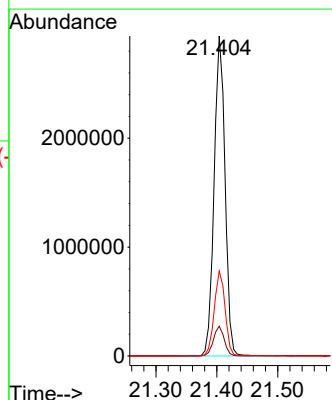
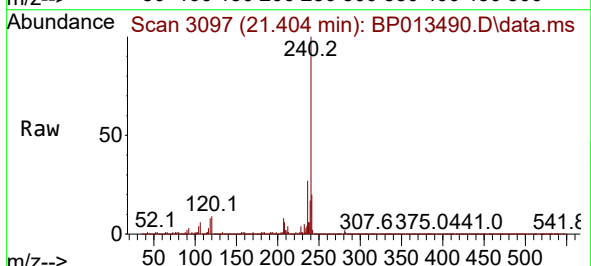
Tgt Ion:240 Resp: 3674459

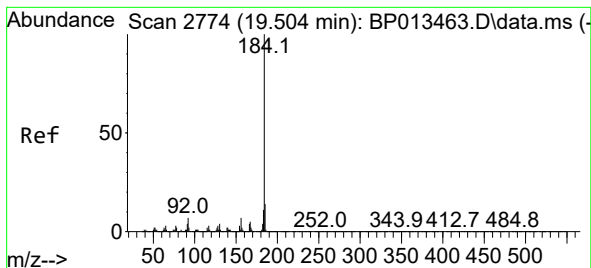
Ion Ratio Lower Upper

240 100

120 9.3 7.4 11.0

236 26.6 21.2 31.8





#77

Benzidine

Concen: 3.147 ng

RT: 19.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

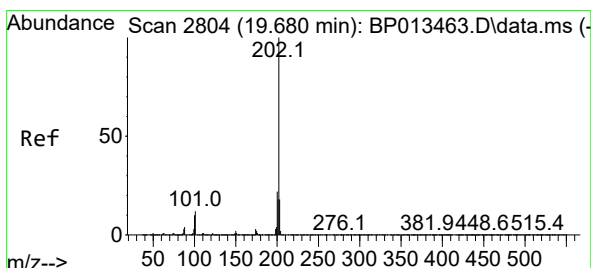
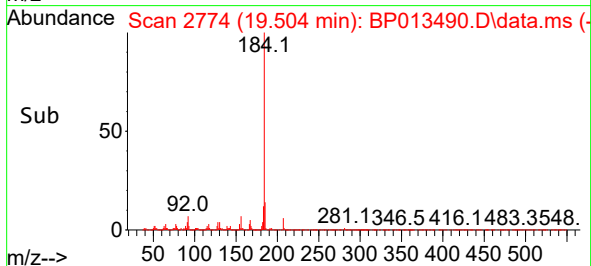
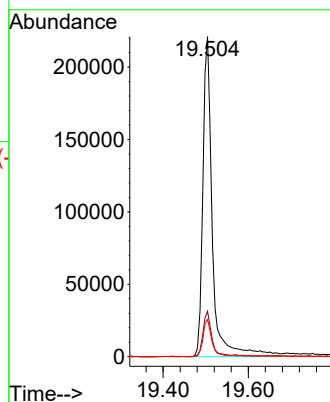
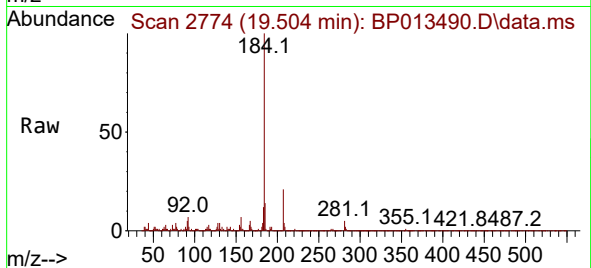
Tgt Ion:184 Resp: 343631

Ion Ratio Lower Upper

184 100

185 14.2 11.3 16.9

183 11.6 9.1 13.7



#78

Pyrene

Concen: 3.493 ng

RT: 19.675 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

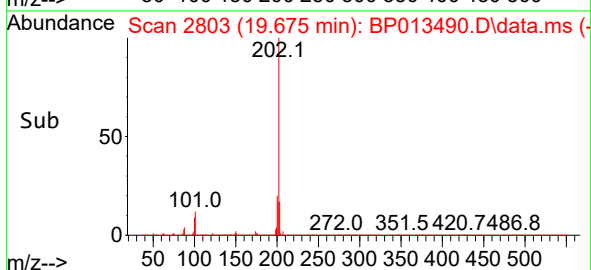
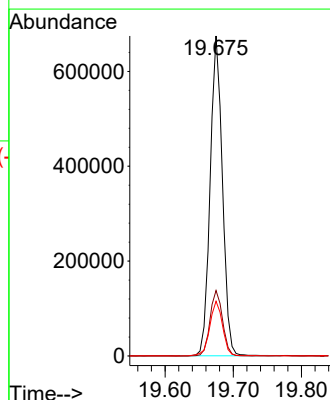
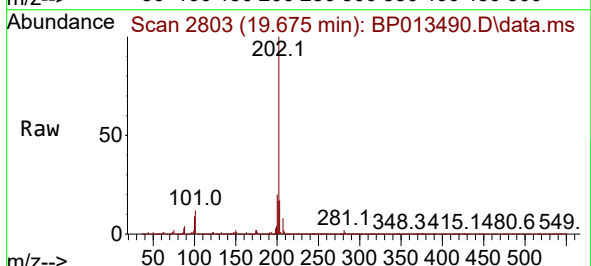
Tgt Ion:202 Resp: 844239

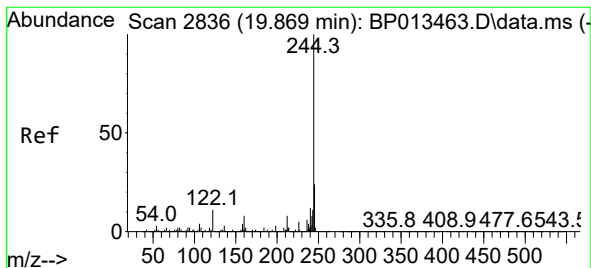
Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

203 17.1 14.6 21.8





#79

Terphenyl-d14

Concen: 65.269 ng

RT: 19.869 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

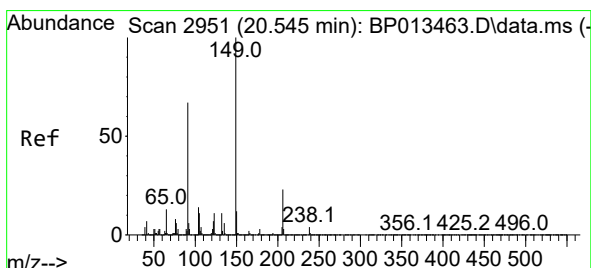
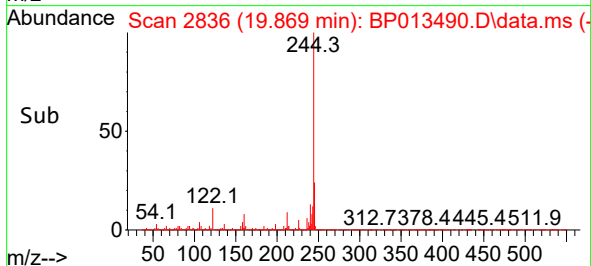
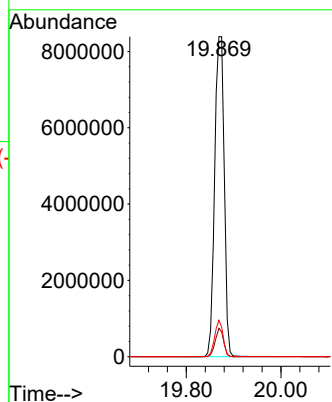
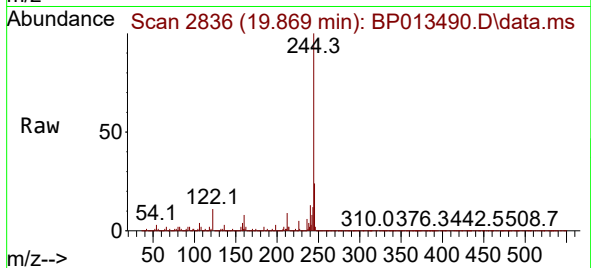
Tgt Ion:244 Resp:11730741

Ion Ratio Lower Upper

244 100

212 8.8 6.8 10.2

122 11.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 2.728 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

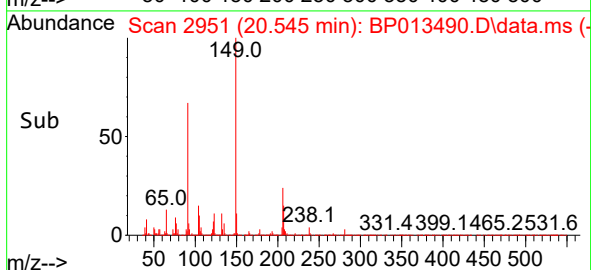
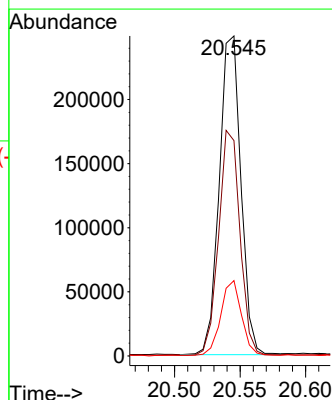
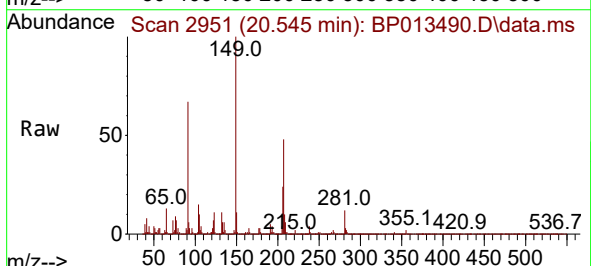
Tgt Ion:149 Resp: 284967

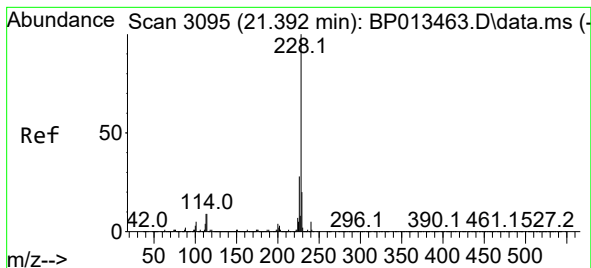
Ion Ratio Lower Upper

149 100

91 67.3 53.2 79.8

206 23.5 18.8 28.2





#81

Benzo(a)anthracene

Concen: 3.548 ng

RT: 21.386 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

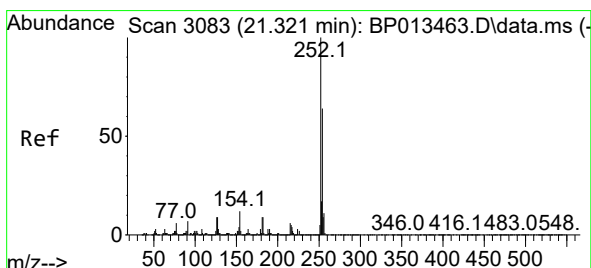
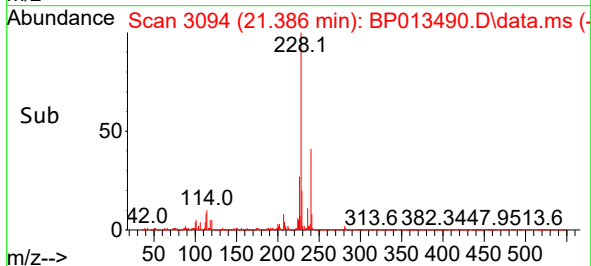
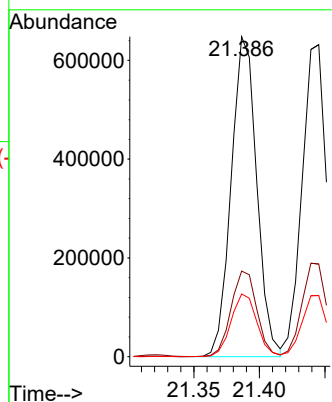
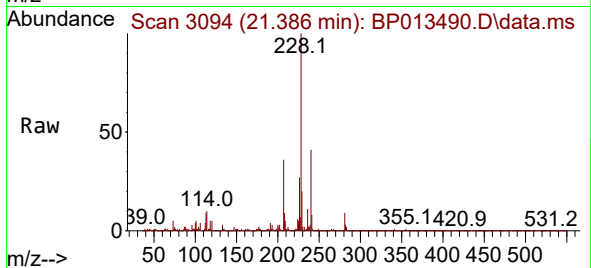
Tgt Ion:228 Resp: 877945

Ion Ratio Lower Upper

228 100

226 26.8 22.6 34.0

229 19.6 16.4 24.6



#82

3,3'-Dichlorobenzidine

Concen: 3.311 ng

RT: 21.322 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

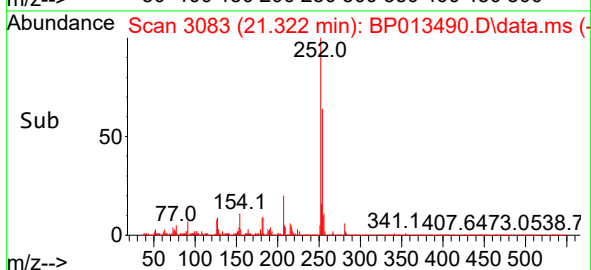
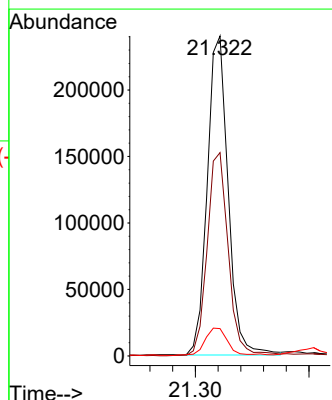
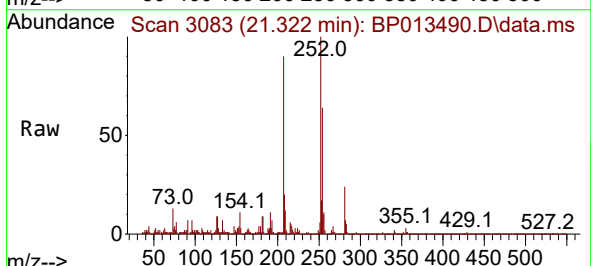
Tgt Ion:252 Resp: 306114

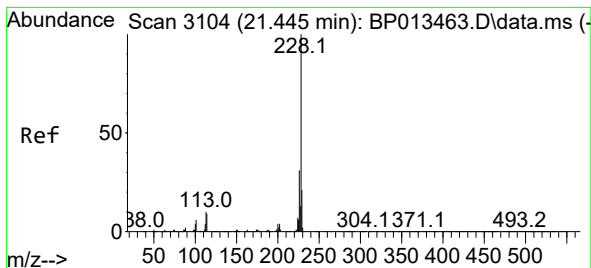
Ion Ratio Lower Upper

252 100

254 63.6 51.0 76.6

126 8.6 7.6 11.4





#83

Chrysene

Concen: 3.546 ng

RT: 21.445 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

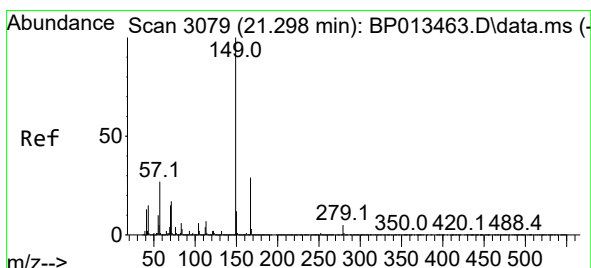
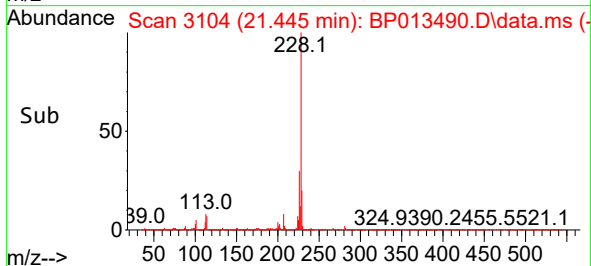
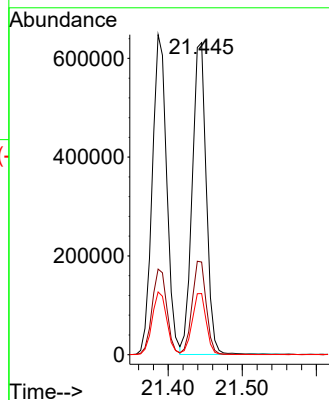
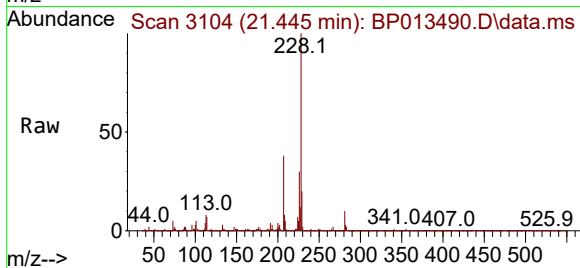
Tgt Ion:228 Resp: 829045

Ion Ratio Lower Upper

228 100

226 29.7 25.1 37.7

229 19.6 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.829 ng

RT: 21.298 min Scan# 3079

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

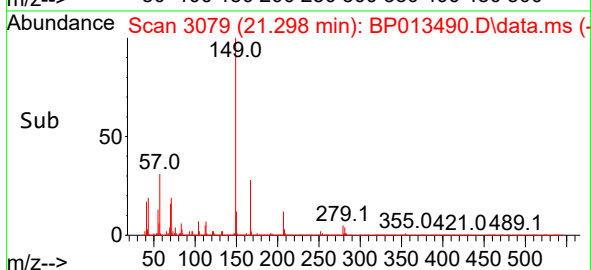
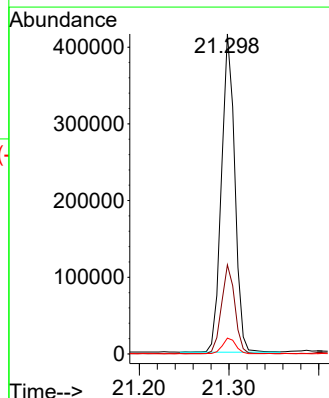
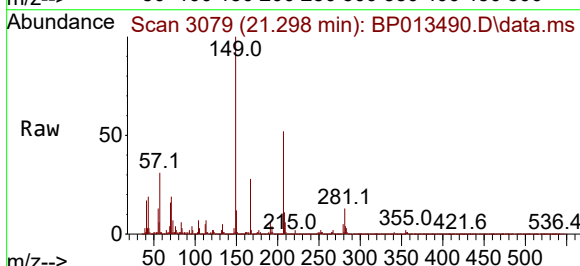
Tgt Ion:149 Resp: 427673

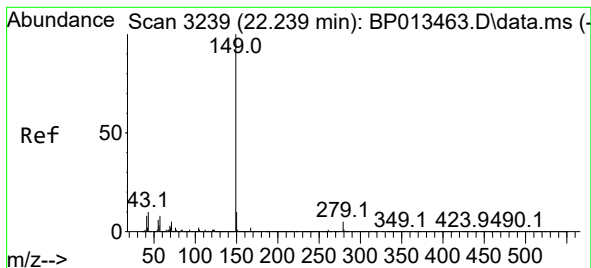
Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.4

279 4.9 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 2.745 ng

RT: 22.239 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

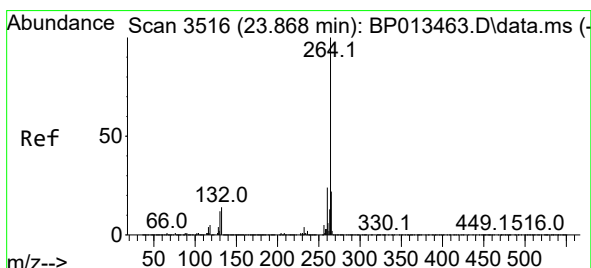
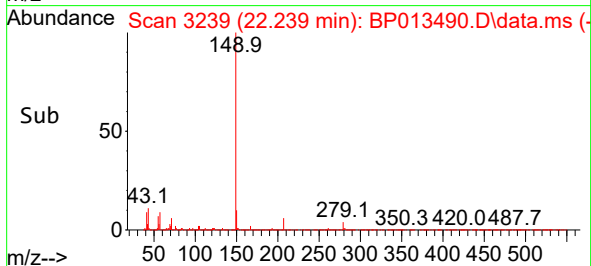
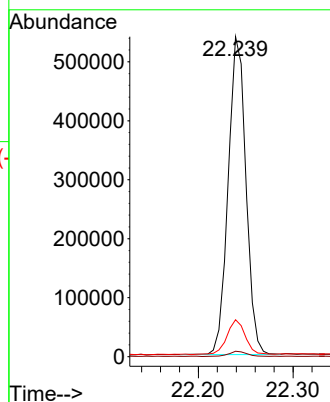
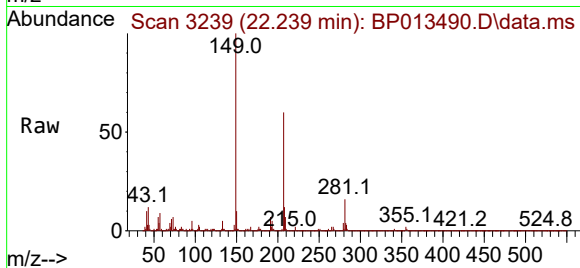
Tgt Ion:149 Resp: 704515

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 11.3 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.869 min Scan# 3516

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

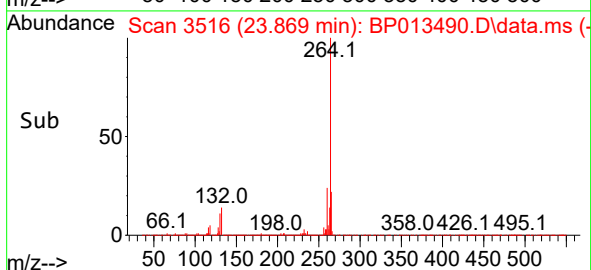
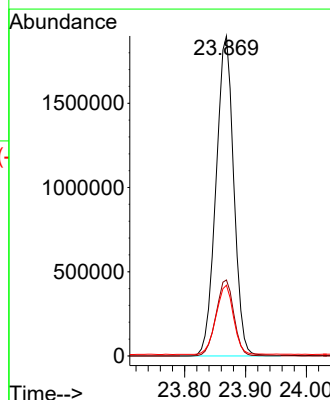
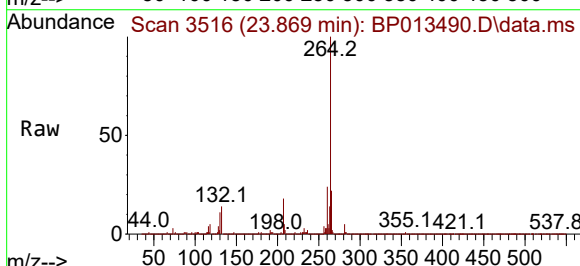
Tgt Ion:264 Resp: 3844707

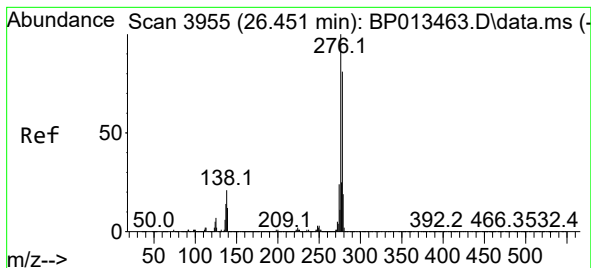
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 22.1 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.888 ng

RT: 26.427 min Scan# 3951

Delta R.T. -0.023 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

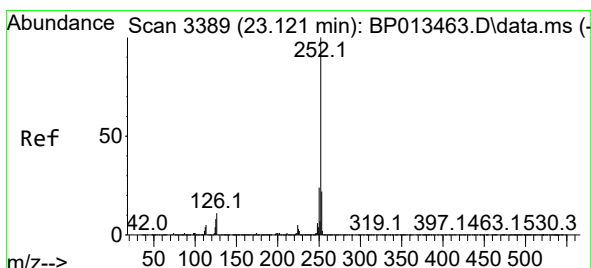
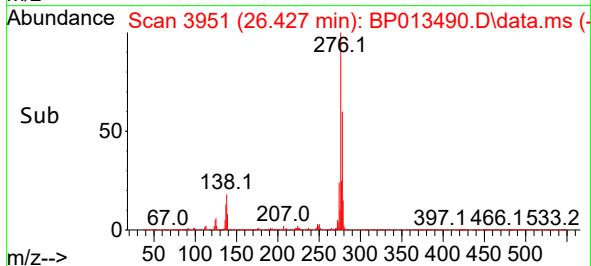
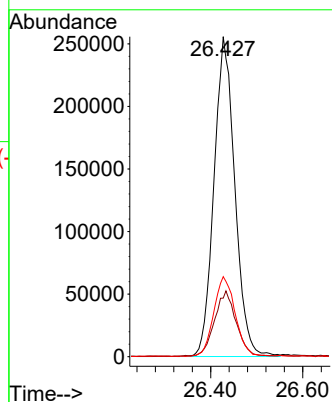
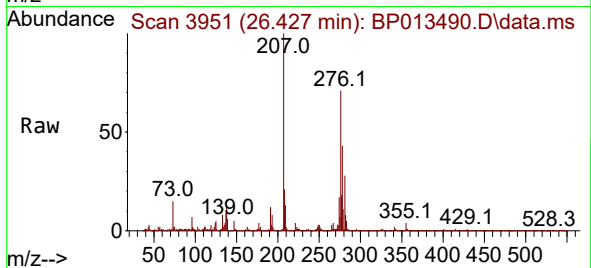
Tgt Ion:276 Resp: 802904

Ion Ratio Lower Upper

276 100

138 21.3 17.0 25.4

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 3.733 ng

RT: 23.110 min Scan# 3387

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

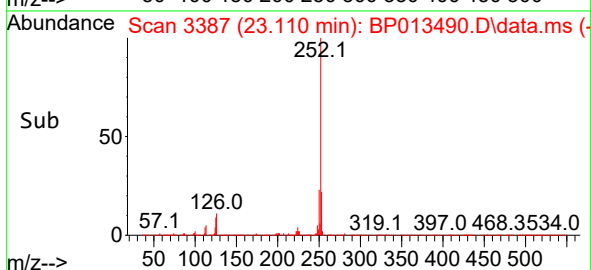
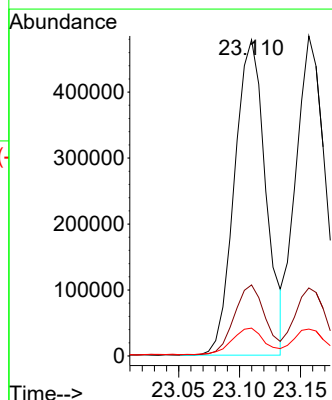
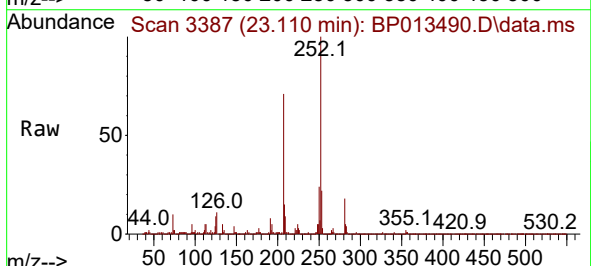
Tgt Ion:252 Resp: 852147

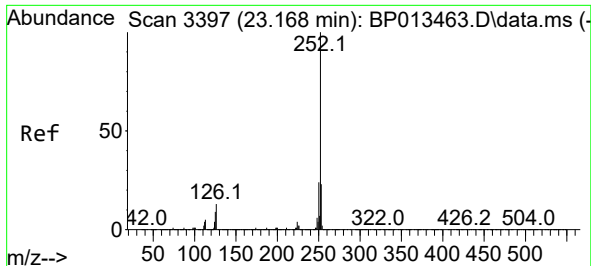
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 8.8 6.7 10.1

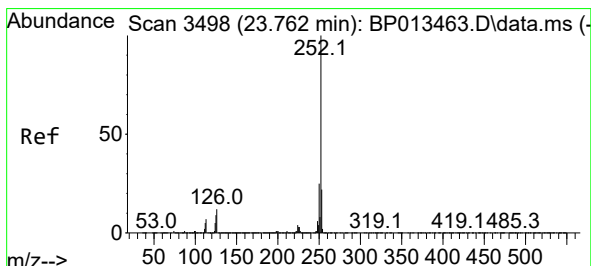
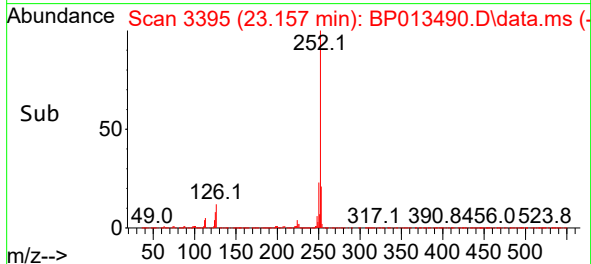
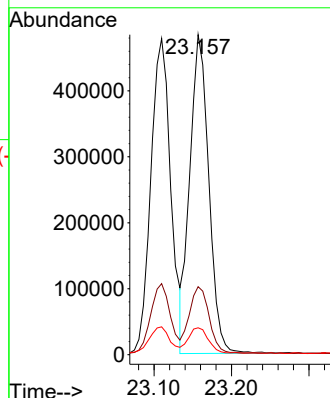
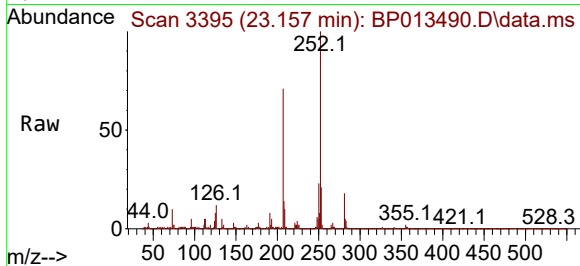




#89
Benzo(k)fluoranthene
Concen: 3.710 ng
RT: 23.157 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

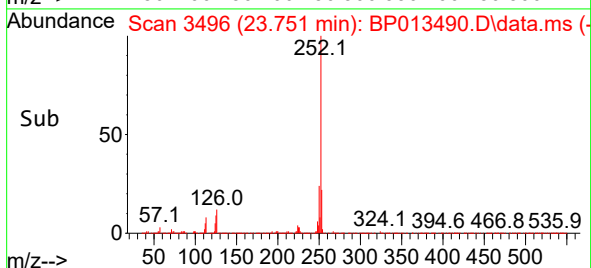
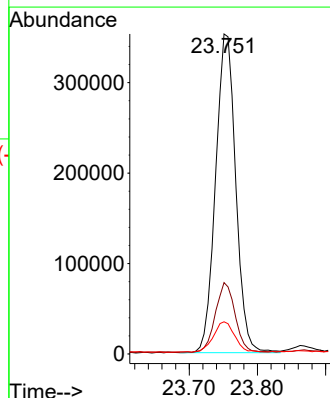
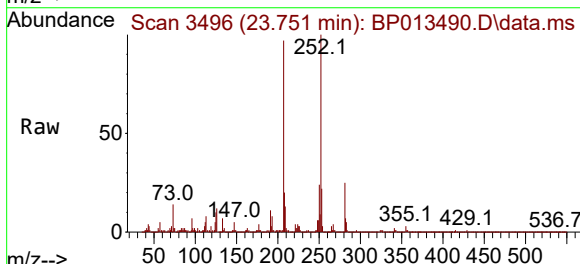
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

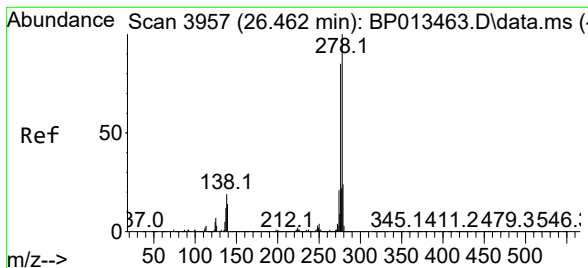
Tgt Ion:252 Resp: 822017
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 8.4 6.9 10.3



#90
Benzo(a)pyrene
Concen: 3.238 ng
RT: 23.751 min Scan# 3496
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:252 Resp: 726116
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 10.1 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 2.983 ng

RT: 26.445 min Scan# 3954

Delta R.T. -0.017 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

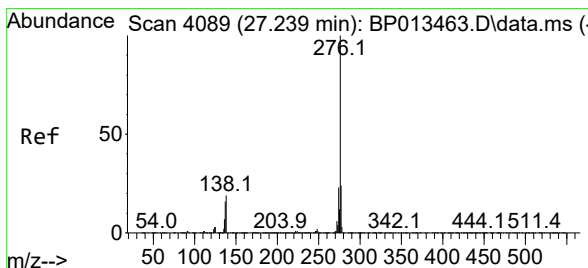
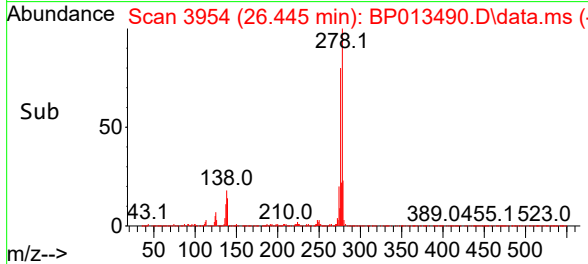
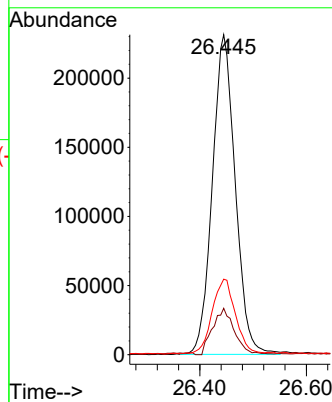
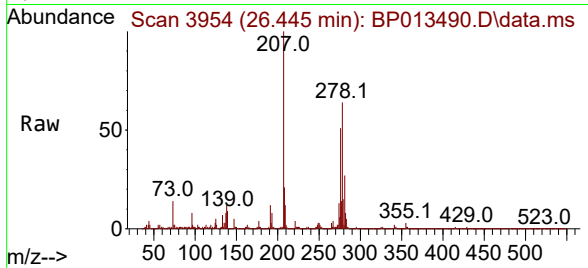
Tgt Ion:278 Resp: 690682

Ion Ratio Lower Upper

278 100

139 14.5 11.1 16.7

279 23.6 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.000 ng

RT: 27.221 min Scan# 4086

Delta R.T. -0.017 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:276 Resp: 685372

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 18.6 15.3 22.9

