

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
 Data File : BP013476.D
 Acq On : 16 Jan 2023 11:26
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jan 17 03:41:40 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	548629	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	2279808	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	1577188	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	3704924	20.000	ng	0.00
76) Chrysene-d12	21.410	240	3817855	20.000	ng	0.00
86) Perylene-d12	23.874	264	4341580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	2866396	91.777	ng	0.00
7) Phenol-d6	7.075	99	3898842	88.314	ng	0.00
23) Nitrobenzene-d5	9.081	82	2996881	69.838	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	2289320	92.989	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	7650596	70.911	ng	0.00
79) Terphenyl-d14	19.874	244	11947759	63.979	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	47246	3.858	ng	99
3) Pyridine	3.758	79	117075	3.066	ng	94
4) n-Nitrosodimethylamine	3.658	42	64242	3.509	ng	# 96
6) Aniline	7.234	93	199513	3.382	ng	99
8) 2-Chlorophenol	7.469	128	128664	3.560	ng	99
9) Benzaldehyde	7.046	77	114765	4.306	ng	98
10) Phenol	7.099	94	161700	3.549	ng	96
11) bis(2-Chloroethyl)ether	7.328	93	130289	3.527	ng	98
12) 1,3-Dichlorobenzene	7.793	146	143582	3.770	ng	98
13) 1,4-Dichlorobenzene	7.940	146	146287	3.769	ng	99
14) 1,2-Dichlorobenzene	8.263	146	141248	3.725	ng	97
15) Benzyl Alcohol	8.152	79	110903	3.260	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.434	45	205222	3.591	ng	98
17) 2-Methylphenol	8.357	107	104082	3.085	ng	97
18) Hexachloroethane	8.987	117	49924	3.632	ng	96
19) n-Nitroso-di-n-propyla...	8.716	70	108759	3.452	ng	96
20) 3+4-Methylphenols	8.681	107	142838	3.048	ng	97
22) Acetophenone	8.740	105	205864	3.526	ng	# 96
24) Nitrobenzene	9.122	77	162936	3.671	ng	99
25) Isophorone	9.646	82	293939	3.328	ng	100
26) 2-Nitrophenol	9.834	139	68895	3.140	ng	95
27) 2,4-Dimethylphenol	9.893	122	116990	3.239	ng	98
28) bis(2-Chloroethoxy)met...	10.128	93	179145	3.439	ng	99
29) 2,4-Dichlorophenol	10.369	162	124863	3.294	ng	97
30) 1,2,4-Trichlorobenzene	10.581	180	142504	3.553	ng	100
31) Naphthalene	10.769	128	423852	3.516	ng	99
32) Benzoic acid	9.963	122	69626	2.311	ng	97
33) 4-Chloroaniline	10.887	127	172507	3.132	ng	97
34) Hexachlorobutadiene	11.051	225	93224	3.687	ng	100
35) Caprolactam	11.675	113	41705	3.088	ng	98
36) 4-Chloro-3-methylphenol	12.010	107	133952	3.243	ng	98
37) 2-Methylnaphthalene	12.381	142	303639	3.355	ng	99
38) 1-Methylnaphthalene	12.598	142	297967	3.490	ng	99
40) 1,2,4,5-Tetrachloroben...	12.745	216	178141	3.446	ng	99
41) Hexachlorocyclopentadiene	12.722	237	76626	2.843	ng	93
43) 2,4,6-Trichlorophenol	12.992	196	112419	3.163	ng	98

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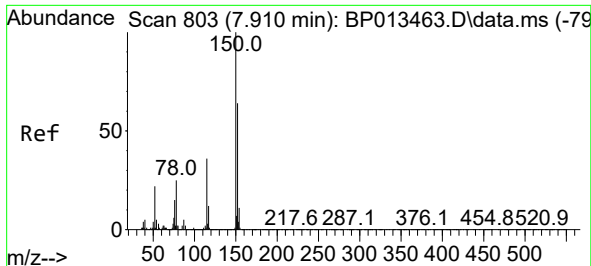
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	122021	2.926	ng	97
46) 1,1'-Biphenyl	13.387	154	436025	3.657	ng	99
47) 2-Chloronaphthalene	13.434	162	327987	3.586	ng	99
48) 2-Nitroaniline	13.640	65	85799	2.850	ng	87
49) Acenaphthylene	14.281	152	501758	3.327	ng	99
50) Dimethylphthalate	14.010	163	434552	3.475	ng	98
51) 2,6-Dinitrotoluene	14.139	165	84808	3.109	ng	96
52) Acenaphthene	14.622	154	312894	3.505	ng	98
53) 3-Nitroaniline	14.469	138	82418	2.824	ng	98
54) 2,4-Dinitrophenol	14.681	184	39747	2.144	ng	91
55) Dibenzofuran	14.957	168	528002	3.568	ng	97
56) 4-Nitrophenol	14.781	139	63266	2.698	ng	97
57) 2,4-Dinitrotoluene	14.928	165	105222	2.820	ng	89
58) Fluorene	15.610	166	418868	3.586	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	111977	3.105	ng	98
60) Diethylphthalate	15.375	149	411568	3.363	ng	100
61) 4-Chlorophenyl-phenyle...	15.598	204	221674	3.574	ng	98
62) 4-Nitroaniline	15.634	138	73960	2.475	ng	96
63) Azobenzene	15.892	77	362603	3.227	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	58844	2.322	ng	88
66) n-Nitrosodiphenylamine	15.816	169	363926	3.343	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	140092	3.285	ng	97
68) Hexachlorobenzene	16.616	284	165709	3.568	ng	97
69) Atrazine	16.775	200	135158	3.390	ng	99
70) Pentachlorophenol	16.969	266	83832	2.463	ng	98
71) Phenanthrene	17.363	178	701971	3.591	ng	98
72) Anthracene	17.451	178	680796	3.423	ng	99
73) Carbazole	17.728	167	615740	3.399	ng	100
74) Di-n-butylphthalate	18.263	149	676466	3.217	ng	99
75) Fluoranthene	19.327	202	839219	3.574	ng	98
77) Benzidine	19.510	184	393772	3.471	ng	99
78) Pyrene	19.680	202	876600	3.491	ng	97
80) Butylbenzylphthalate	20.545	149	318639	2.936	ng	96
81) Benzo(a)anthracene	21.392	228	925550	3.600	ng	98
82) 3,3'-Dichlorobenzidine	21.321	252	343070	3.571	ng	99
83) Chrysene	21.445	228	870299	3.582	ng	97
84) Bis(2-ethylhexyl)phtha...	21.304	149	484063	3.082	ng	99
85) Di-n-octyl phthalate	22.245	149	844883	3.168	ng	98
87) Indeno(1,2,3-cd)pyrene	26.439	276	985810	3.140	ng	100
88) Benzo(b)fluoranthene	23.115	252	930759	3.611	ng	98
89) Benzo(k)fluoranthene	23.163	252	927649	3.708	ng	99
90) Benzo(a)pyrene	23.762	252	819828	3.237	ng	99
91) Dibenzo(a,h)anthracene	26.456	278	847510	3.242	ng	98
92) Benzo(g,h,i)perylene	27.233	276	844055	3.272	ng	99

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

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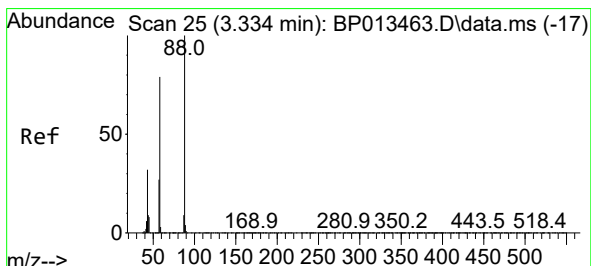
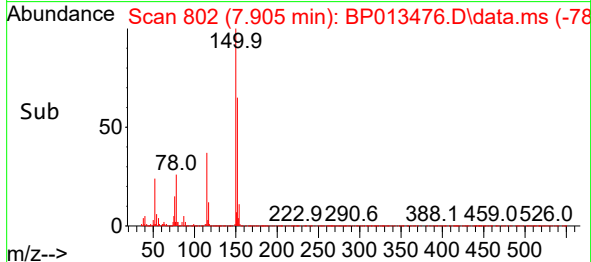
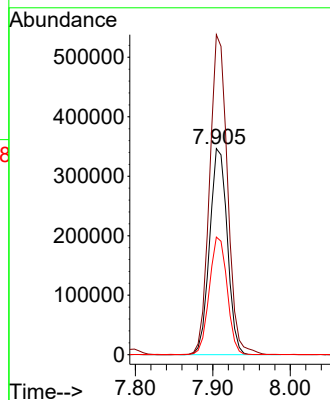
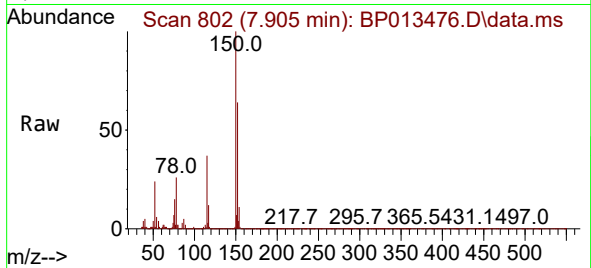
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 80
Delta R.T. -0.005 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

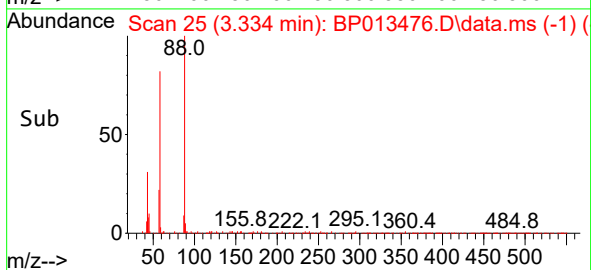
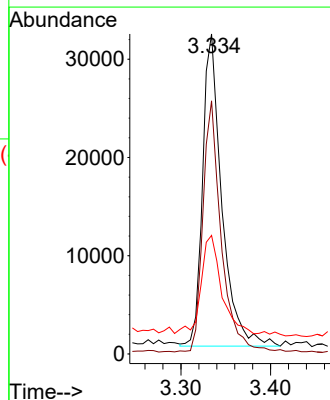
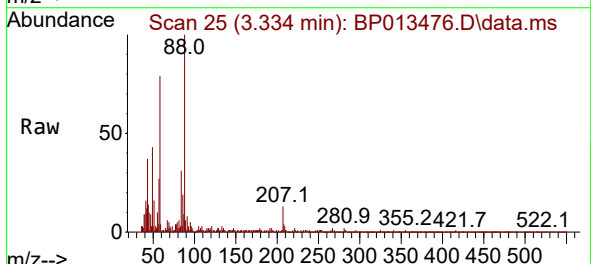
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

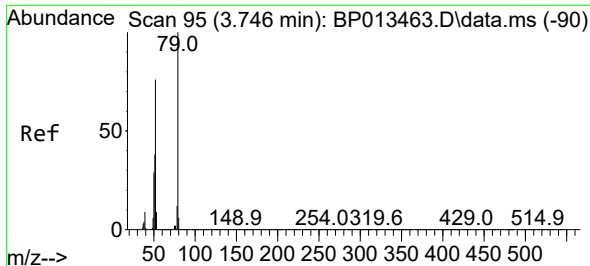
Tgt Ion:152 Resp: 548629
Ion Ratio Lower Upper
152 100
150 155.3 125.7 188.5
115 57.1 45.8 68.8



#2
1,4-Dioxane
Concen: 3.858 ng
RT: 3.334 min Scan# 25
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 88 Resp: 47246
Ion Ratio Lower Upper
88 100
58 77.7 63.4 95.0
43 32.9 26.2 39.4

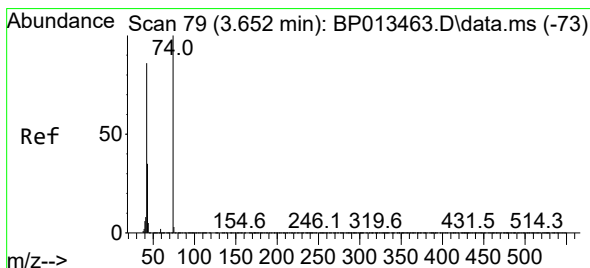
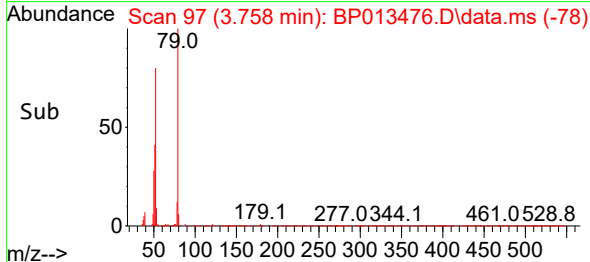
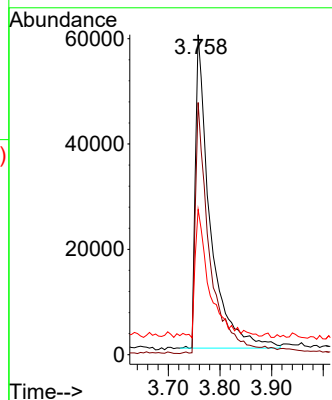
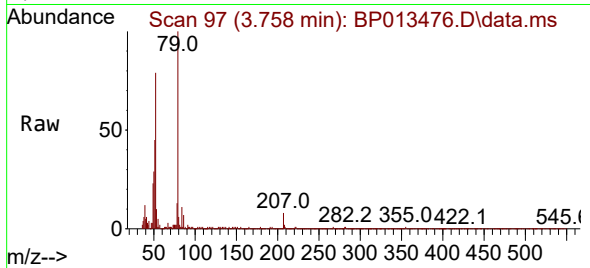




#3
 Pyridine
 Concen: 3.066 ng
 RT: 3.758 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: BP013476.D
 Acq: 16 Jan 2023 11:26

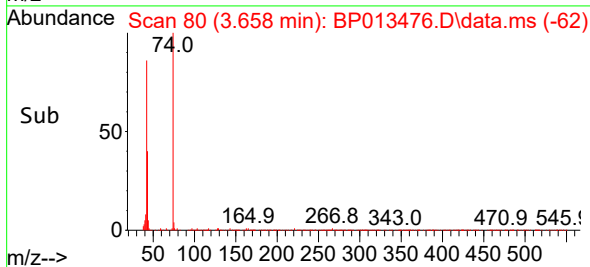
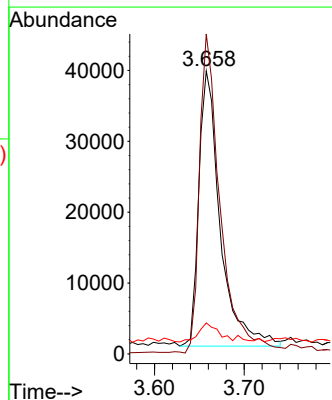
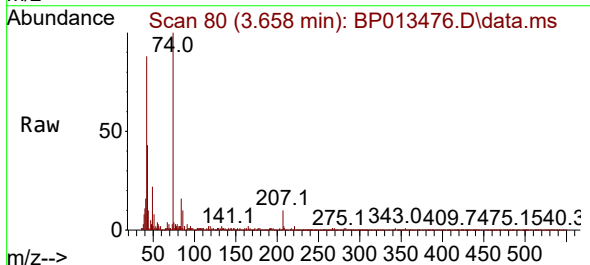
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

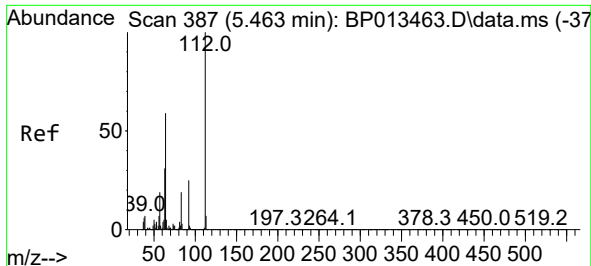
Tgt Ion: 79 Resp: 117075
 Ion Ratio Lower Upper
 79 100
 52 78.8 60.6 91.0
 51 45.4 31.0 46.4



#4
 n-Nitrosodimethylamine
 Concen: 3.509 ng
 RT: 3.658 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: BP013476.D
 Acq: 16 Jan 2023 11:26

Tgt Ion: 42 Resp: 64242
 Ion Ratio Lower Upper
 42 100
 74 113.0 93.3 139.9
 44 11.0 5.1 7.7#

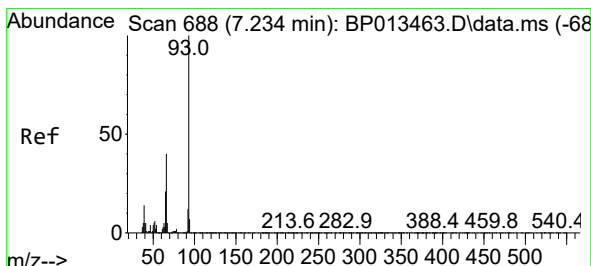
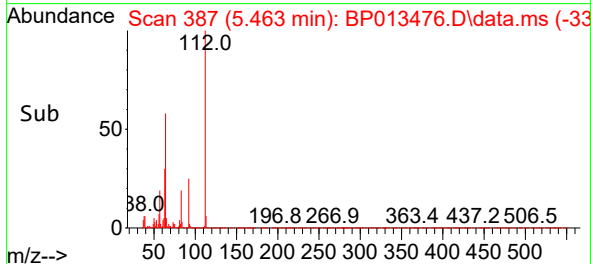
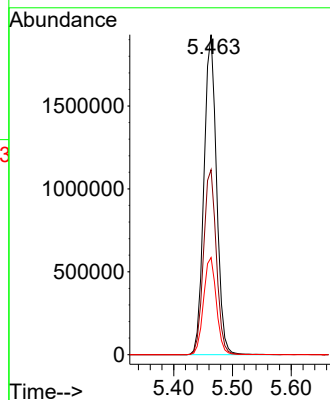
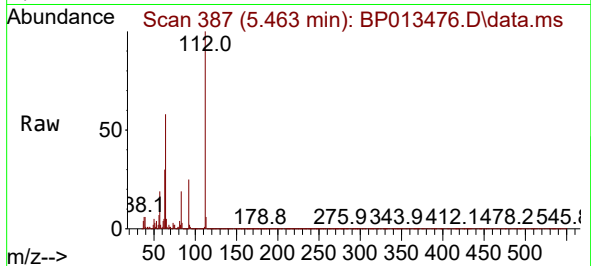




#5
2-Fluorophenol
Concen: 91.777 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

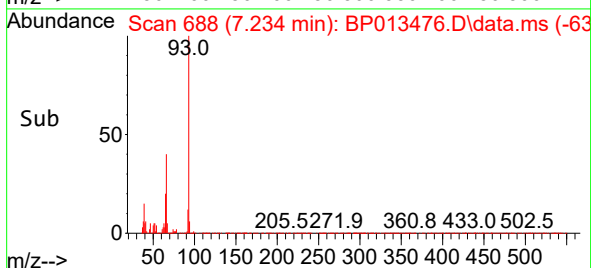
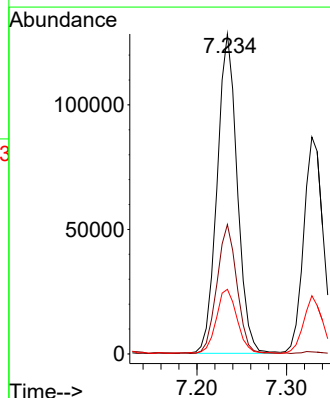
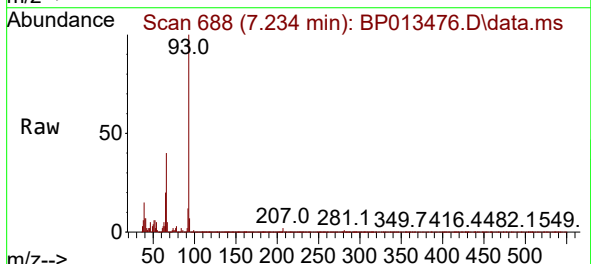
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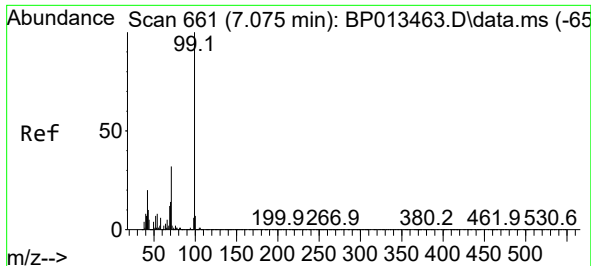
Tgt Ion:112 Resp: 2866396
Ion Ratio Lower Upper
112 100
64 57.8 47.5 71.3
63 30.3 25.0 37.4



#6
Aniline
Concen: 3.382 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 93 Resp: 199513
Ion Ratio Lower Upper
93 100
66 40.5 31.9 47.9
65 20.2 16.6 25.0

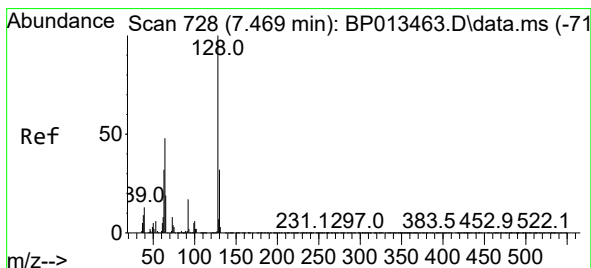
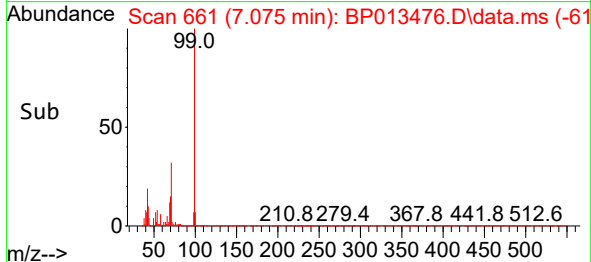
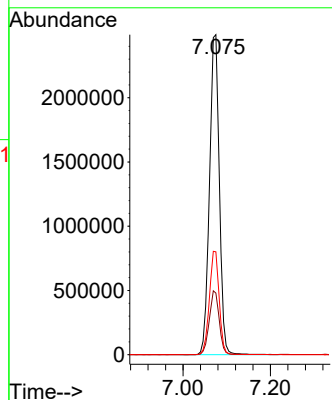
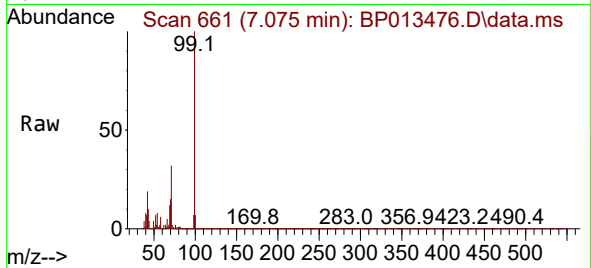




#7
Phenol-d6
Concen: 88.314 ng
RT: 7.075 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

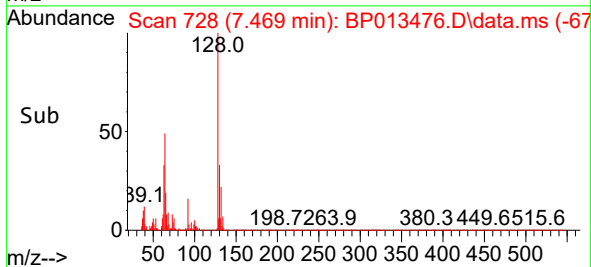
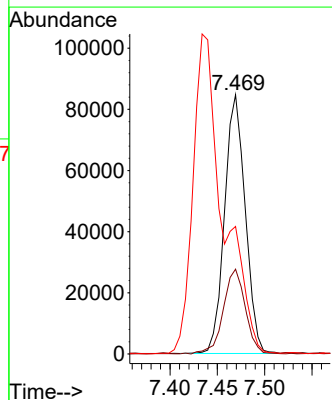
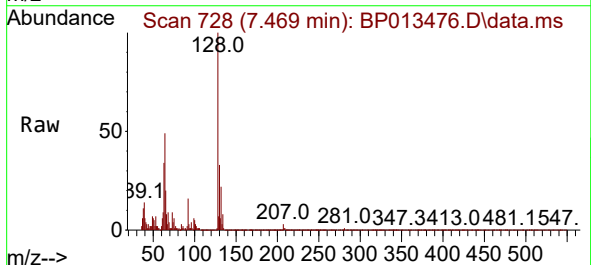
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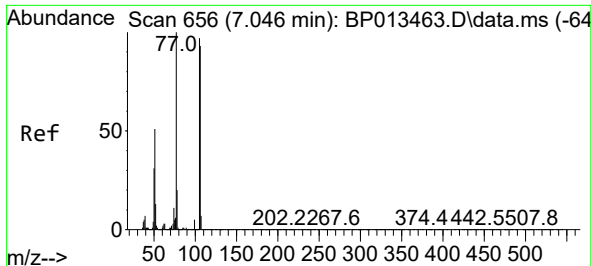
Tgt Ion: 99 Resp: 3898842
Ion Ratio Lower Upper
99 100
42 19.3 15.8 23.6
71 32.2 25.6 38.4



#8
2-Chlorophenol
Concen: 3.560 ng
RT: 7.469 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 128 Resp: 128664
Ion Ratio Lower Upper
128 100
130 32.7 11.7 51.7
64 49.2 28.6 68.6

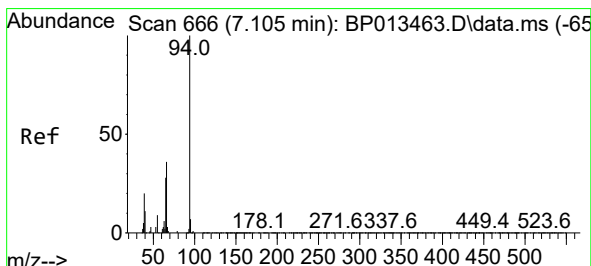
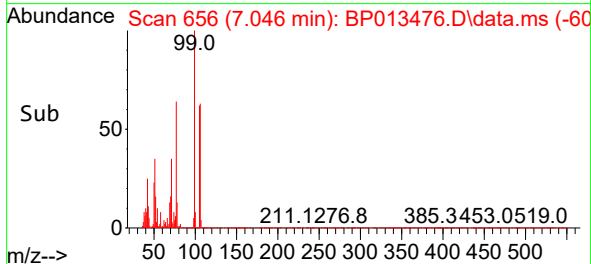
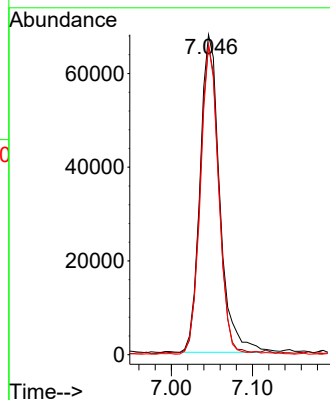
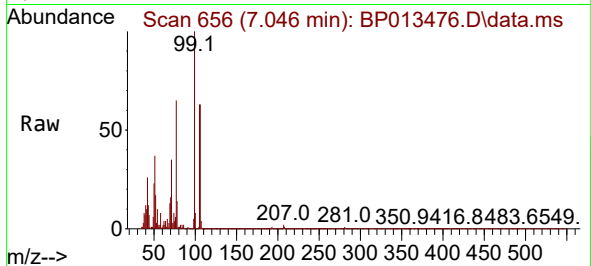




#9
Benzaldehyde
Concen: 4.306 ng
RT: 7.046 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

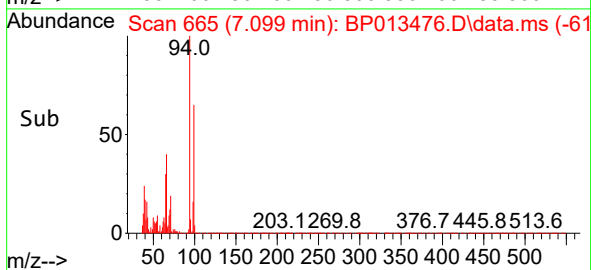
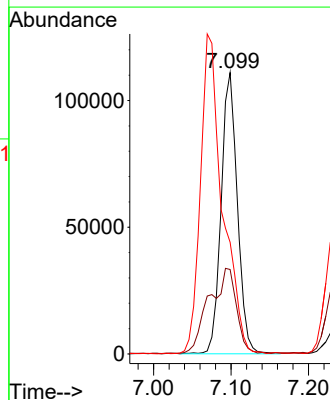
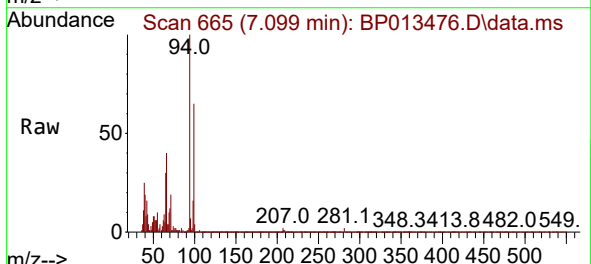
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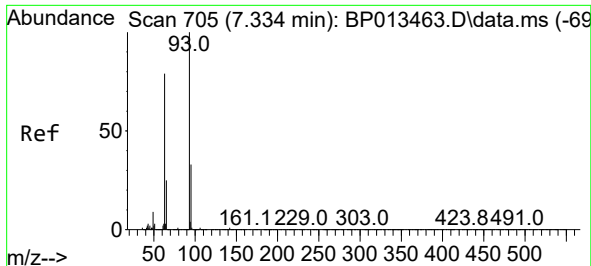
Tgt Ion: 77 Resp: 114765
Ion Ratio Lower Upper
77 100
105 96.7 77.3 117.3
106 96.8 73.1 113.1



#10
Phenol
Concen: 3.549 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 94 Resp: 161700
Ion Ratio Lower Upper
94 100
65 30.0 8.3 48.3
66 39.7 16.6 56.6

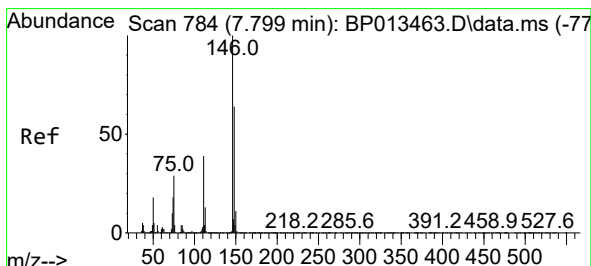
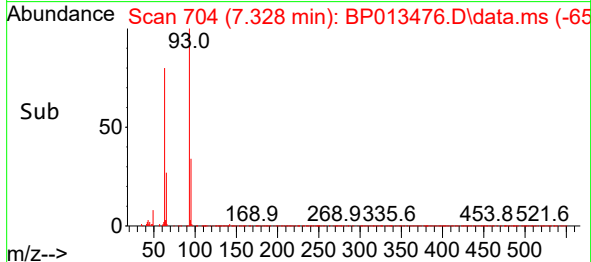
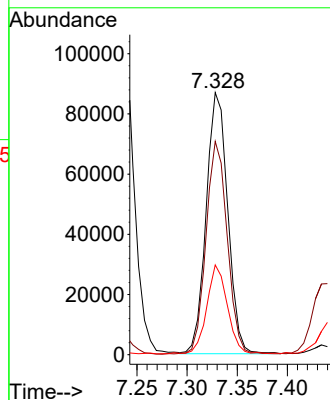
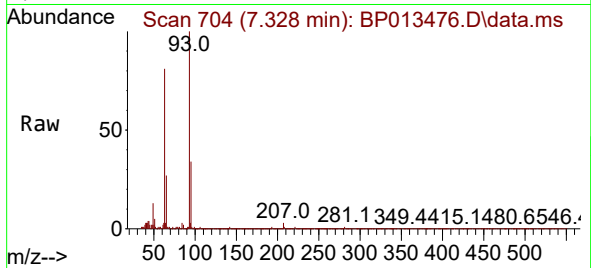




#11
bis(2-Chloroethyl)ether
Concen: 3.527 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

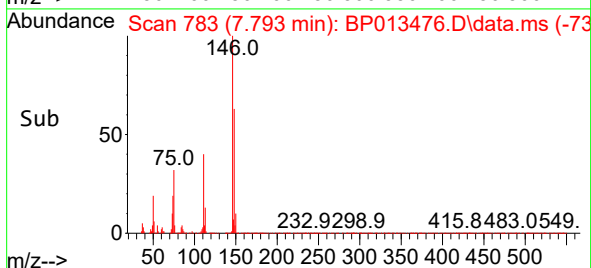
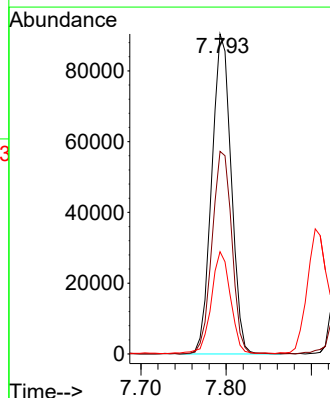
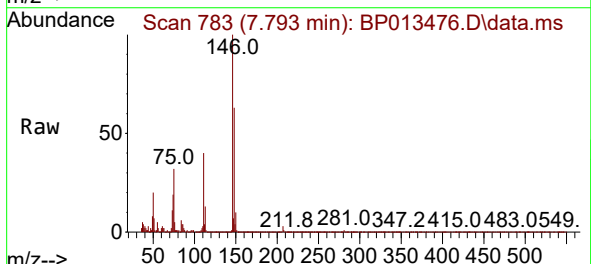
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

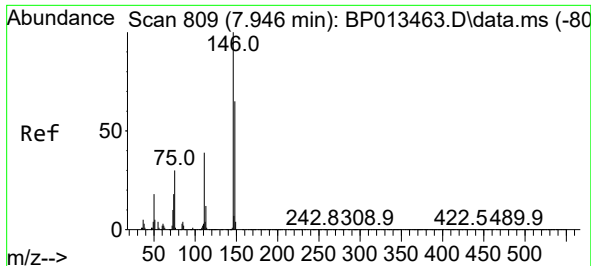
Tgt Ion: 93 Resp: 130289
Ion Ratio Lower Upper
93 100
63 81.4 59.3 99.3
95 34.2 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 3.770 ng
RT: 7.793 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:146 Resp: 143582
Ion Ratio Lower Upper
146 100
148 63.3 51.5 77.3
75 32.0 23.6 35.4

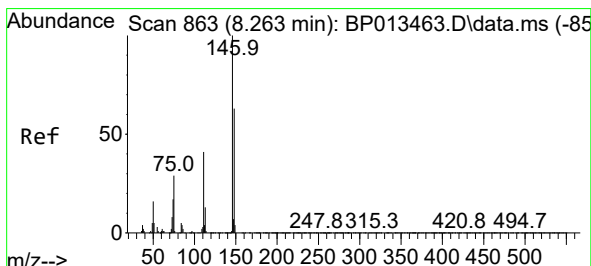
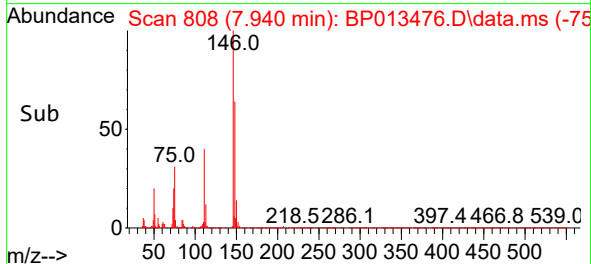
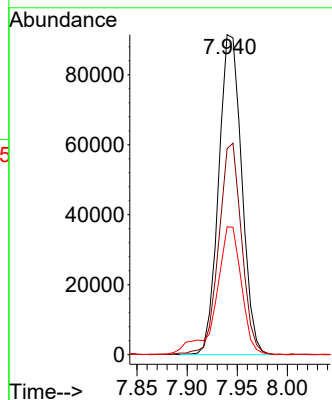
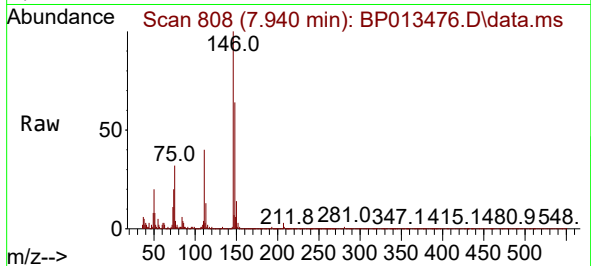




#13
1,4-Dichlorobenzene
Concen: 3.769 ng
RT: 7.940 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

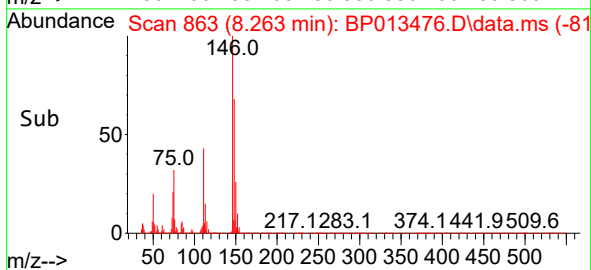
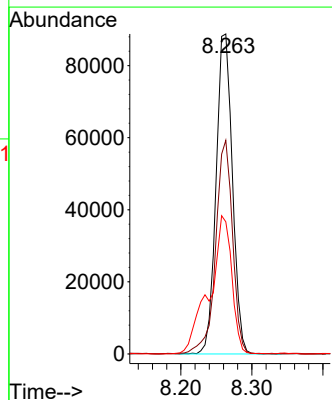
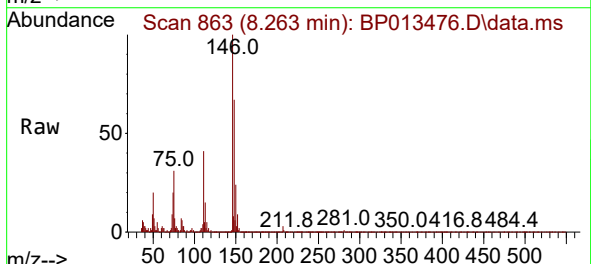
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

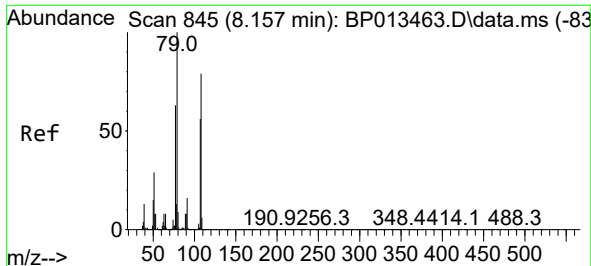
Tgt Ion:146 Resp: 146287
Ion Ratio Lower Upper
146 100
148 64.3 52.0 78.0
111 40.0 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 3.725 ng
RT: 8.263 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:146 Resp: 141248
Ion Ratio Lower Upper
146 100
148 66.7 50.9 76.3
111 41.3 32.7 49.1

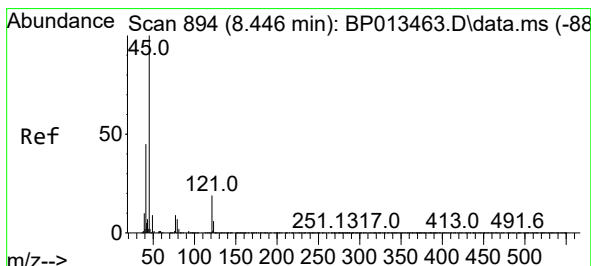
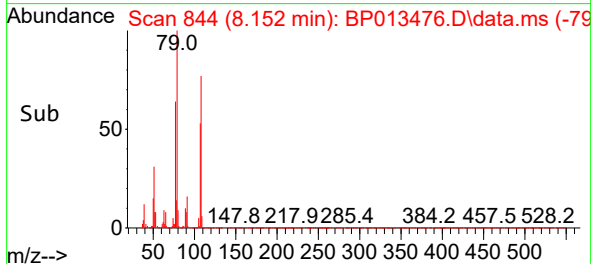
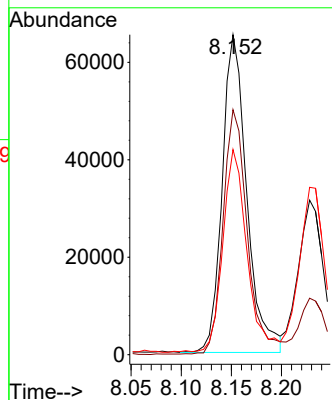
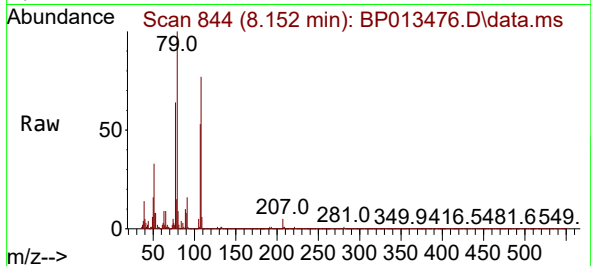




#15
Benzyl Alcohol
Concen: 3.260 ng
RT: 8.152 min Scan# 845
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

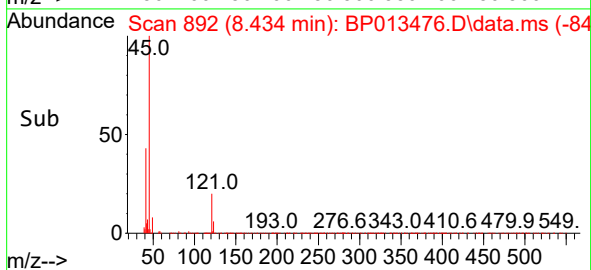
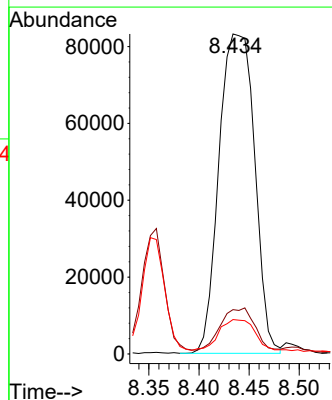
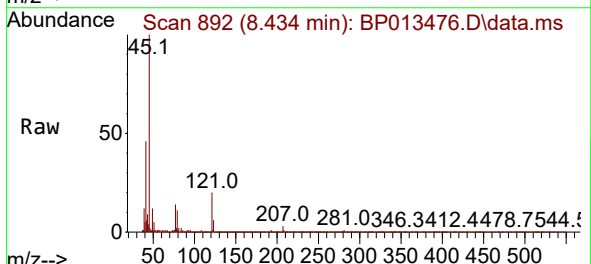
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

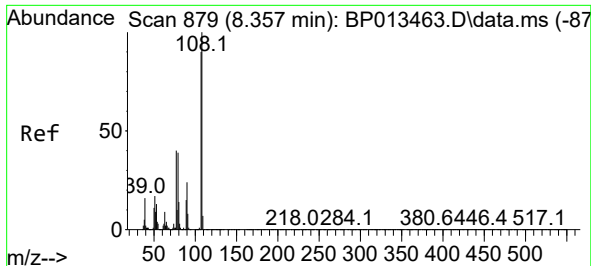
Tgt Ion: 79 Resp: 110903
Ion Ratio Lower Upper
79 100
108 76.6 63.2 94.8
77 64.1 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.591 ng
RT: 8.434 min Scan# 892
Delta R.T. -0.012 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 45 Resp: 205222
Ion Ratio Lower Upper
45 100
77 13.8 0.0 32.8
79 10.7 0.0 30.3

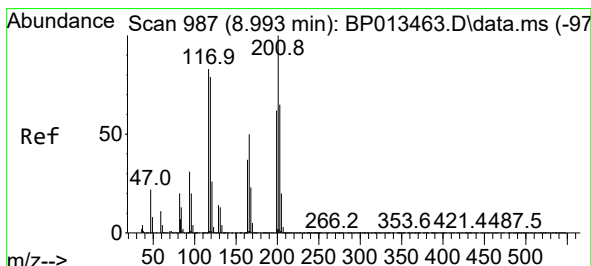
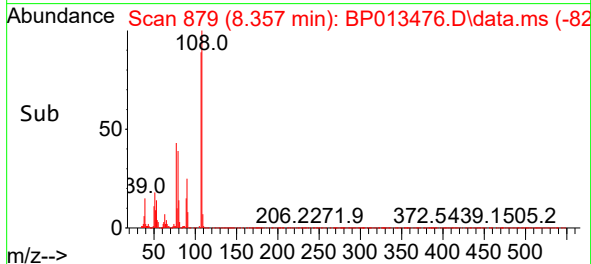
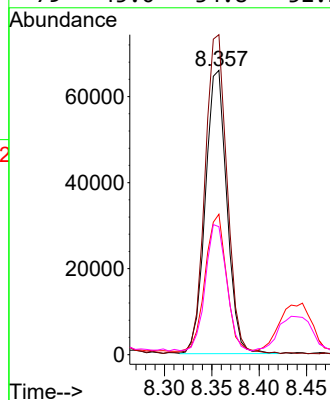
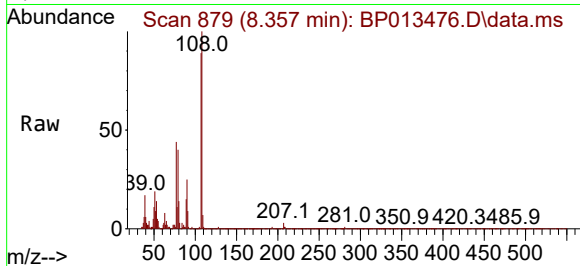




#17
2-Methylphenol
Concen: 3.085 ng
RT: 8.357 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

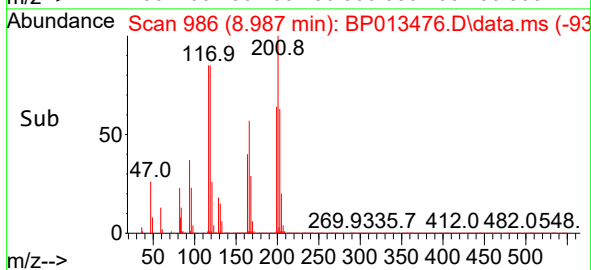
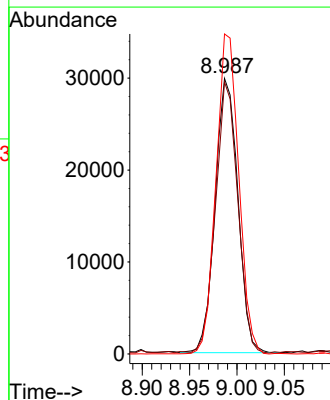
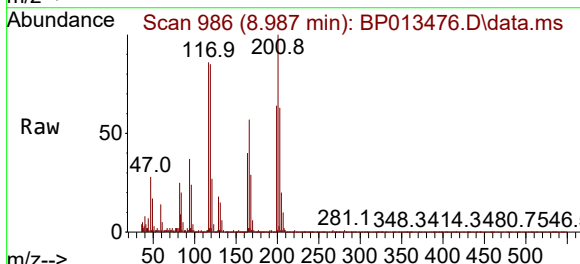
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

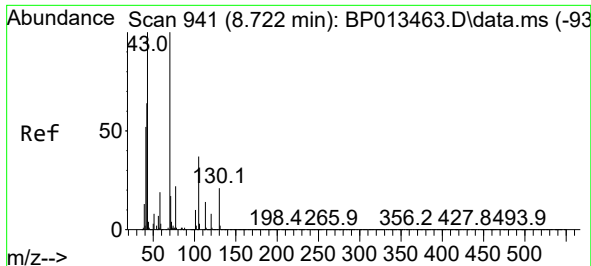
Tgt Ion:	107	Resp:	104082
Ion	Ratio	Lower	Upper
107	100		
108	112.6	88.8	133.2
77	49.4	35.8	53.8
79	45.0	34.8	52.2



#18
Hexachloroethane
Concen: 3.632 ng
RT: 8.987 min Scan# 986
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:	117	Resp:	49924
Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.8	113.8
201	116.1	95.8	143.8

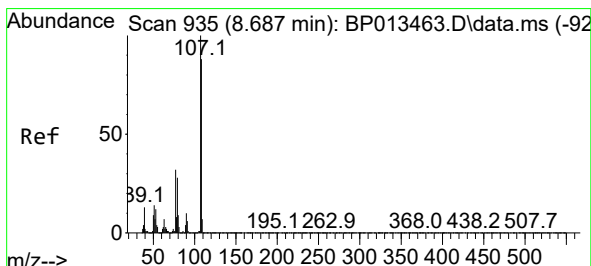
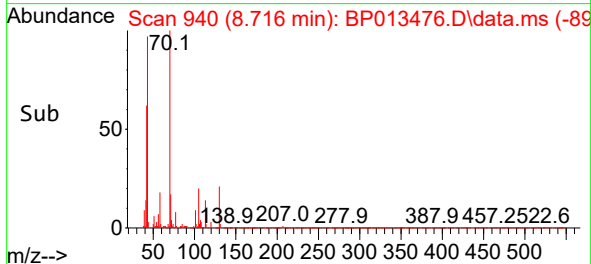
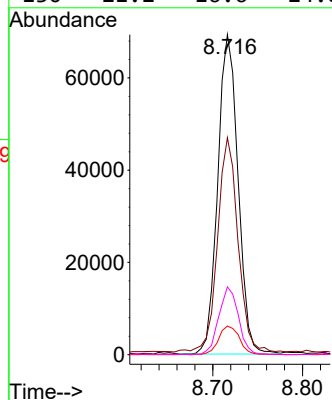
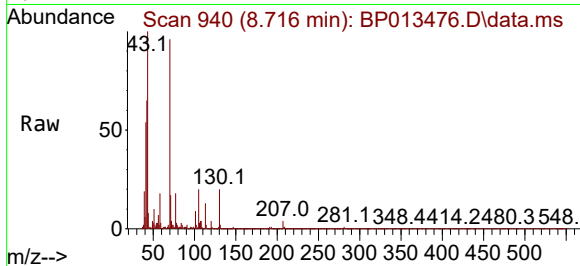




#19
n-Nitroso-di-n-propylamine
Concen: 3.452 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

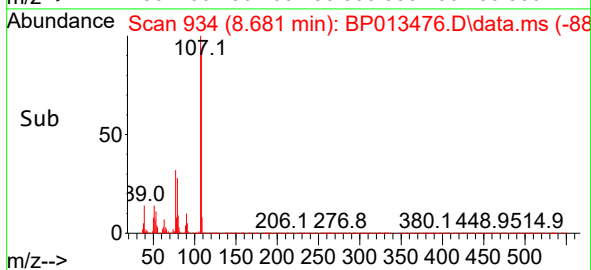
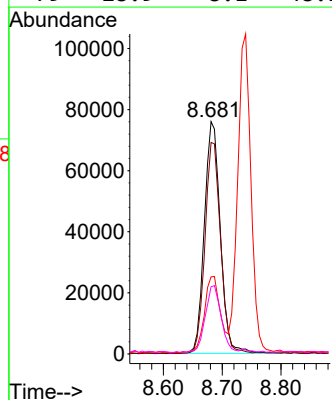
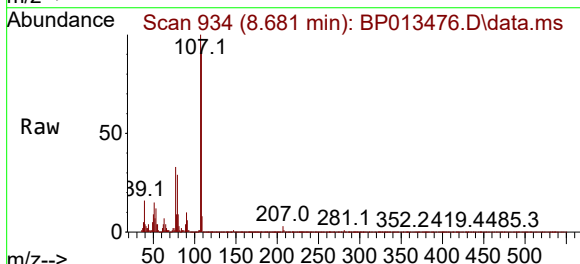
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

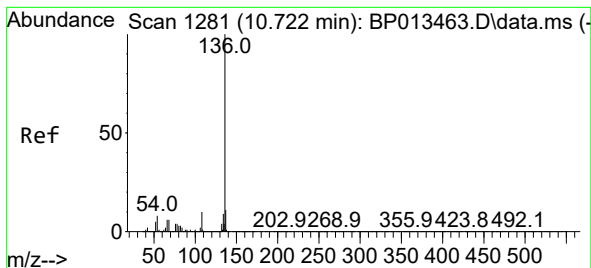
Tgt Ion: 70 Resp: 108759
Ion Ratio Lower Upper
70 100
42 67.8 51.1 76.7
101 8.9 7.8 11.8
130 21.2 16.6 24.8



#20
3+4-Methylphenols
Concen: 3.048 ng
RT: 8.681 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 107 Resp: 142838
Ion Ratio Lower Upper
107 100
108 91.0 68.1 108.1
77 33.2 12.3 52.3
79 28.9 8.1 48.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.722 min Scan# 1281

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:136 Resp: 2279808

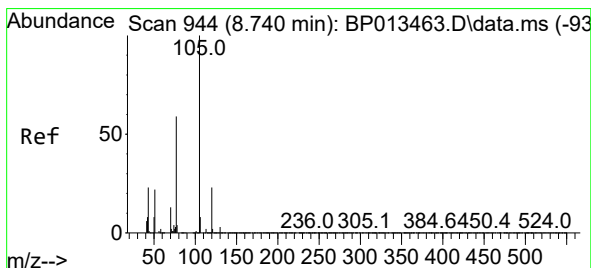
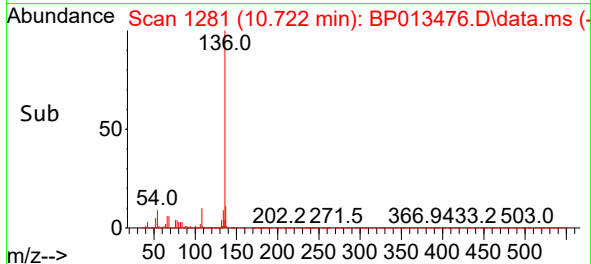
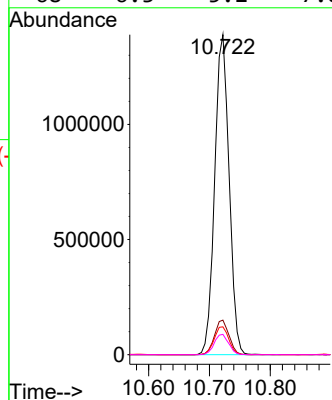
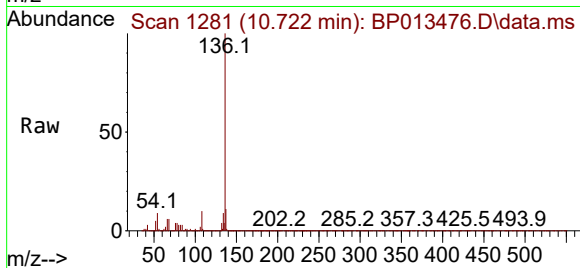
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.7 6.6 10.0

68 6.3 5.2 7.8



#22

Acetophenone

Concen: 3.526 ng

RT: 8.740 min Scan# 944

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Tgt Ion:105 Resp: 205864

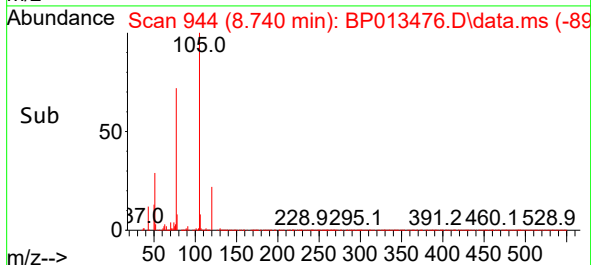
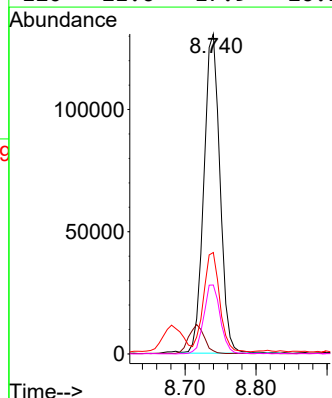
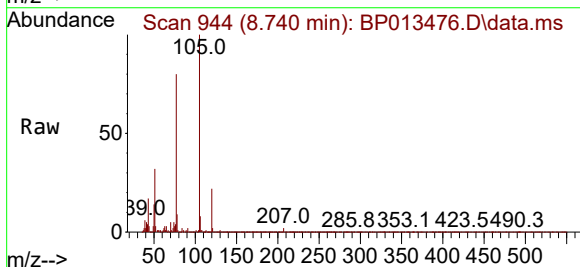
Ion Ratio Lower Upper

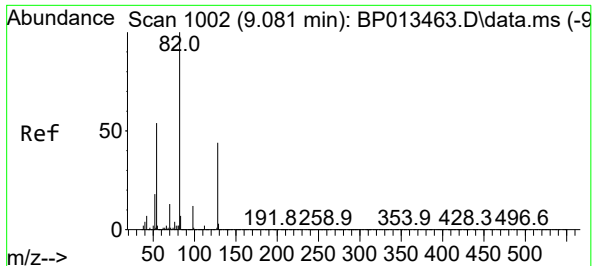
105 100

71 1.0 2.1 3.1

51 31.7 23.3 34.9

120 21.6 17.9 26.9

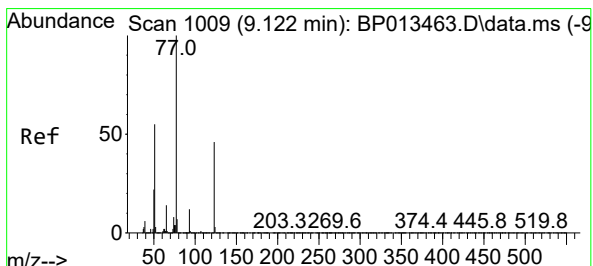
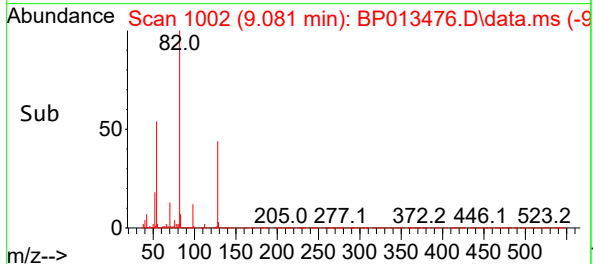
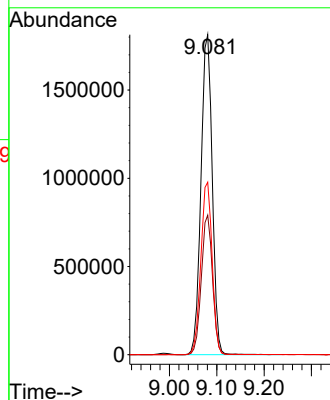
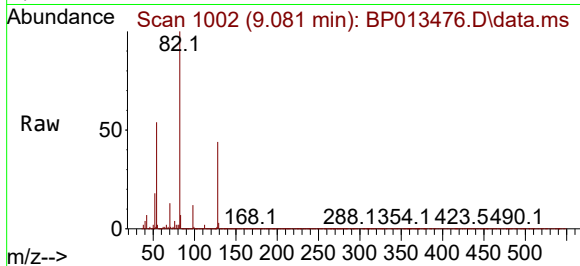




#23
Nitrobenzene-d5
Concen: 69.838 ng
RT: 9.081 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

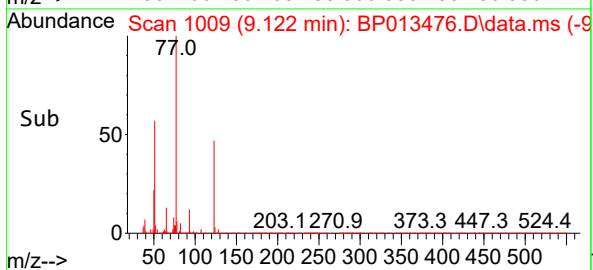
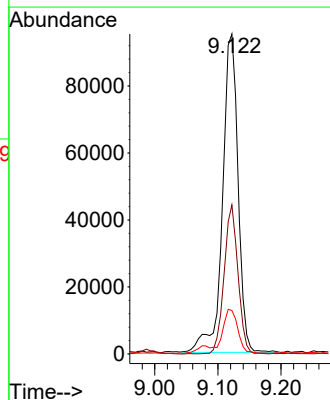
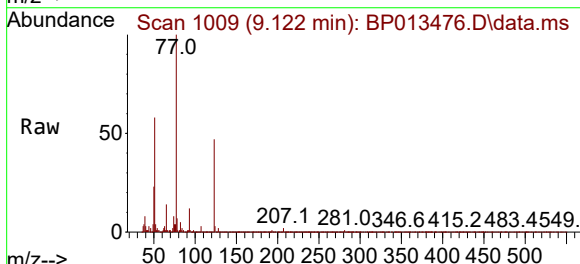
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

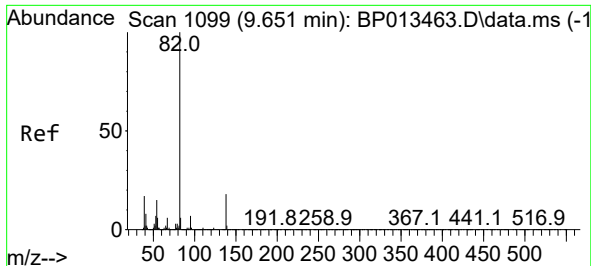
Tgt Ion: 82 Resp: 2996881
Ion Ratio Lower Upper
82 100
128 43.6 35.4 53.0
54 53.9 42.8 64.2



#24
Nitrobenzene
Concen: 3.671 ng
RT: 9.122 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 77 Resp: 162936
Ion Ratio Lower Upper
77 100
123 46.6 36.5 54.7
65 13.6 11.0 16.6

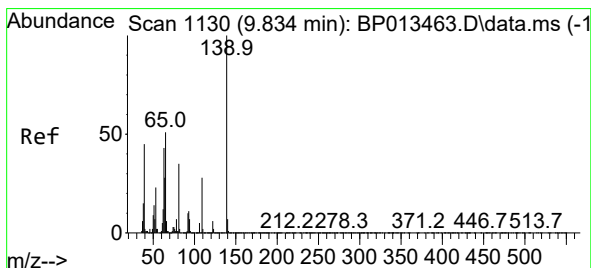
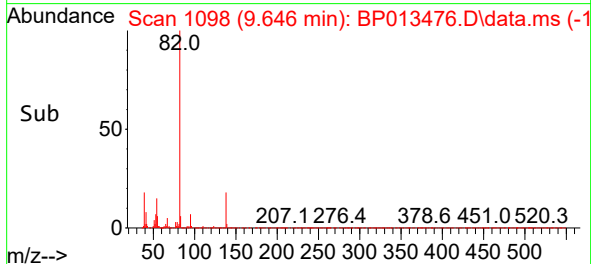
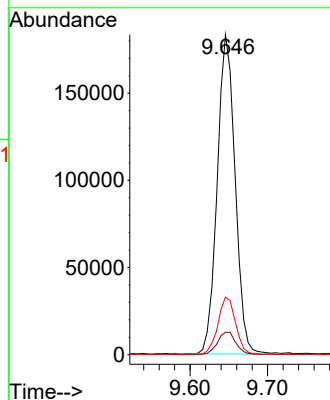
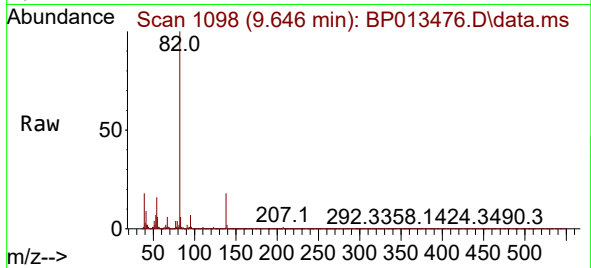




#25
Isophorone
Concen: 3.328 ng
RT: 9.646 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

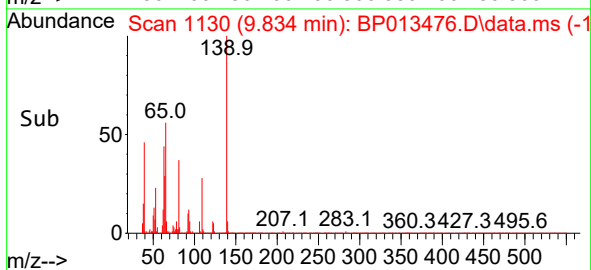
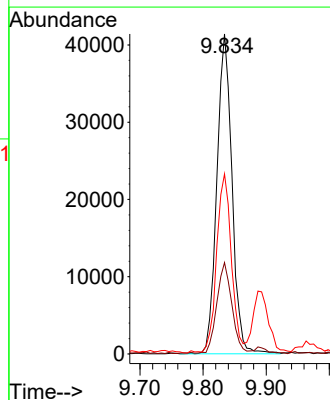
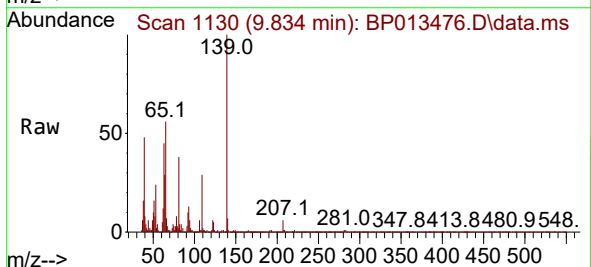
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

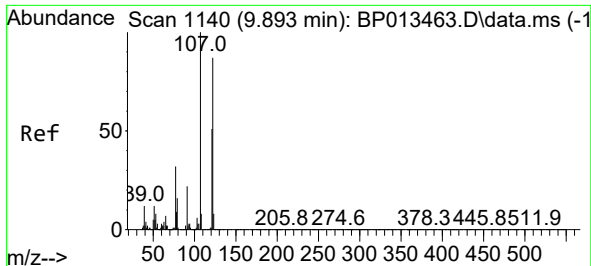
Tgt Ion: 82 Resp: 293939
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 18.0 14.5 21.7



#26
2-Nitrophenol
Concen: 3.140 ng
RT: 9.834 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion: 139 Resp: 68895
Ion Ratio Lower Upper
139 100
109 28.5 22.5 33.7
65 56.3 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 3.239 ng

RT: 9.893 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

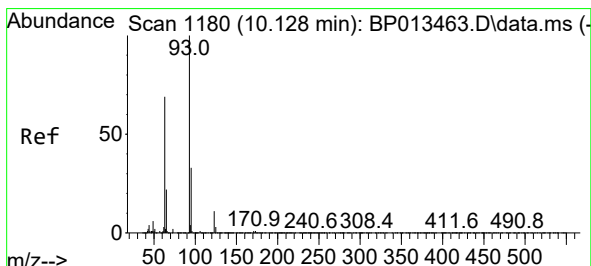
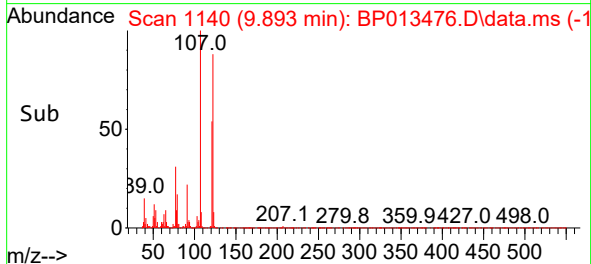
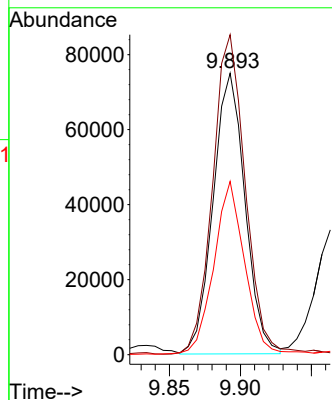
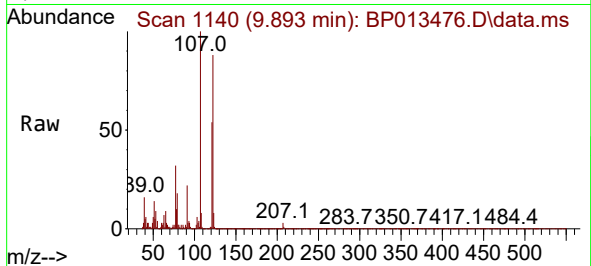
Tgt Ion:122 Resp: 116990

Ion Ratio Lower Upper

122 100

107 113.7 91.6 137.4

121 61.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 3.439 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

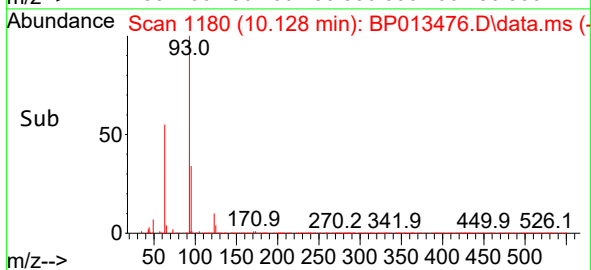
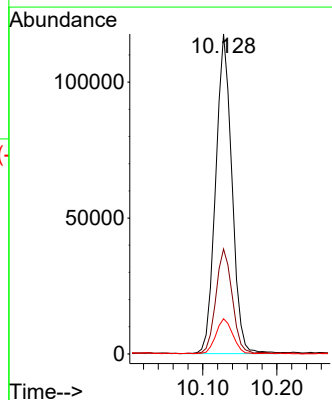
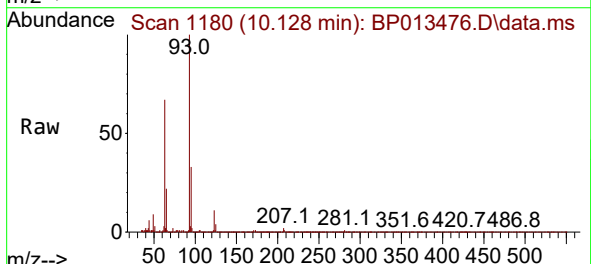
Tgt Ion: 93 Resp: 179145

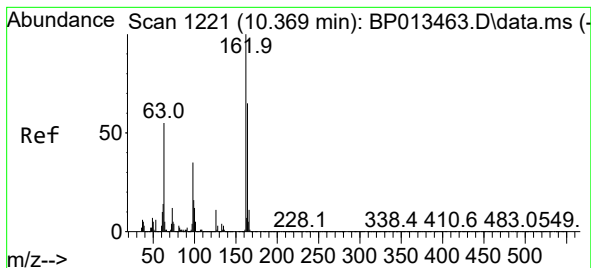
Ion Ratio Lower Upper

93 100

95 32.8 26.1 39.1

123 11.0 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.294 ng

RT: 10.369 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

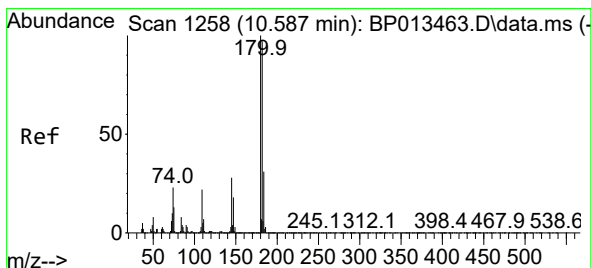
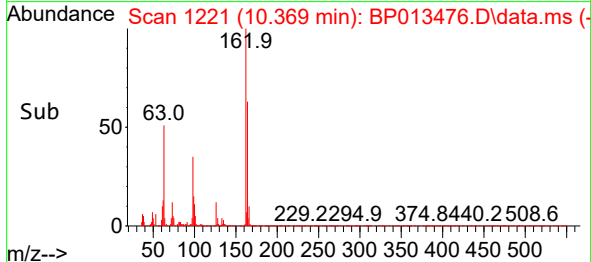
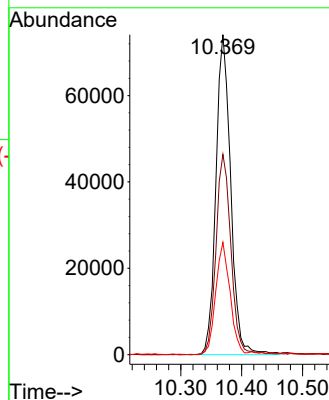
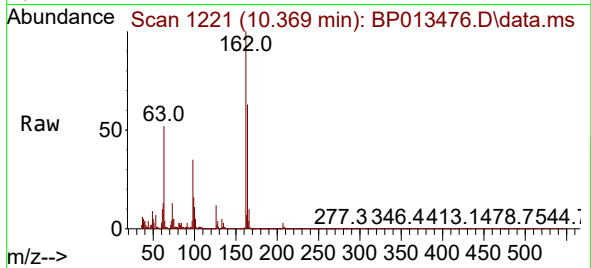
Tgt Ion:162 Resp: 124863

Ion Ratio Lower Upper

162 100

164 62.6 45.4 85.4

98 35.1 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 3.553 ng

RT: 10.581 min Scan# 1257

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

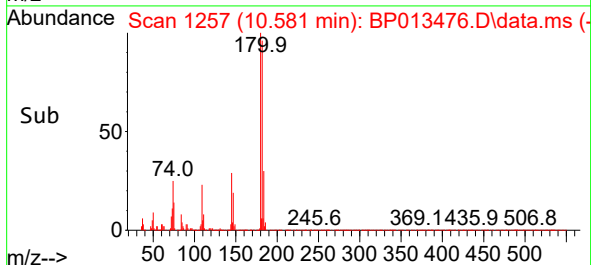
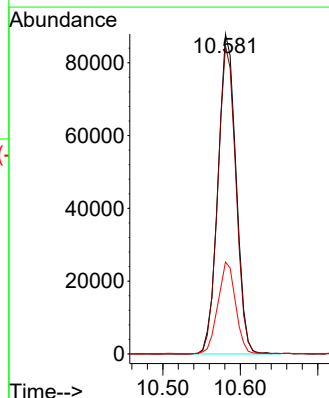
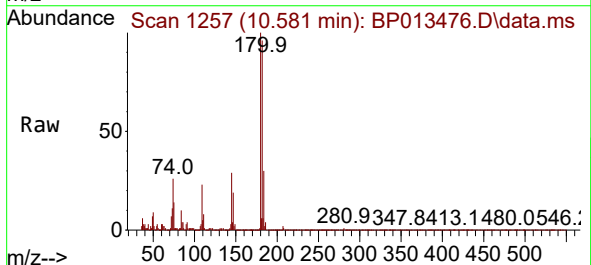
Tgt Ion:180 Resp: 142504

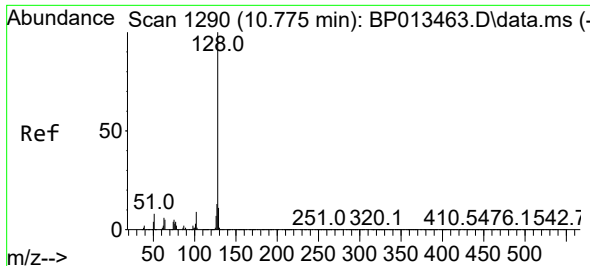
Ion Ratio Lower Upper

180 100

182 96.3 77.3 115.9

145 28.7 22.8 34.2

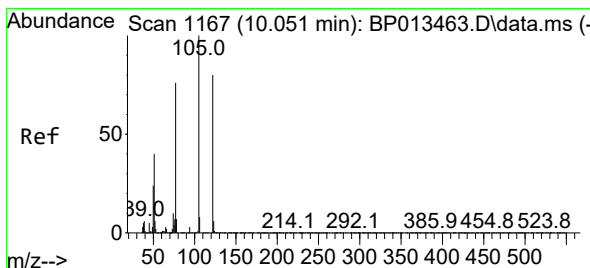
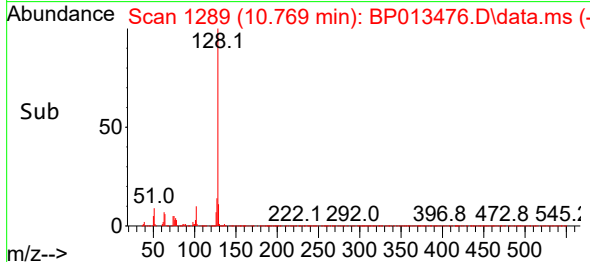
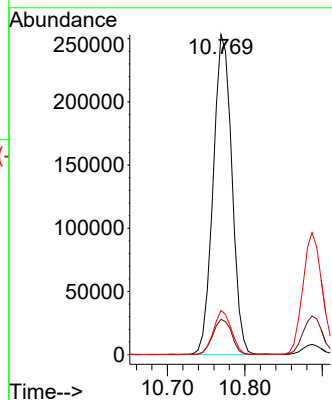
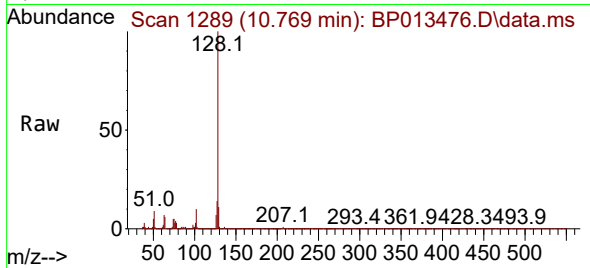




#31
Naphthalene
Concen: 3.516 ng
RT: 10.769 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

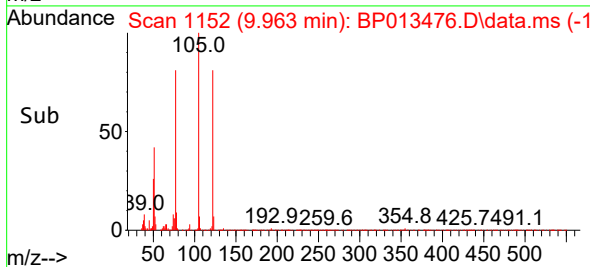
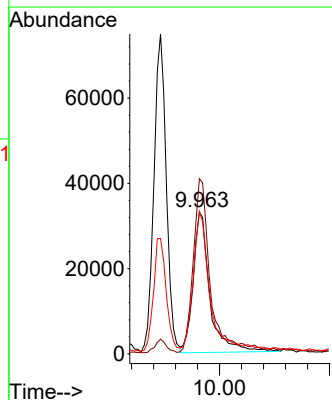
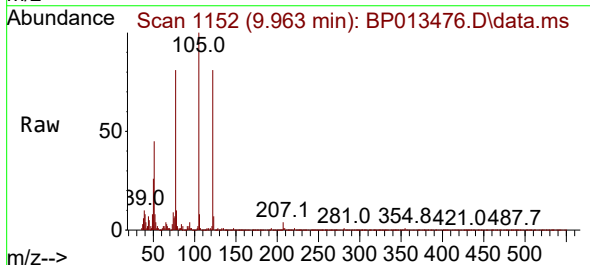
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022

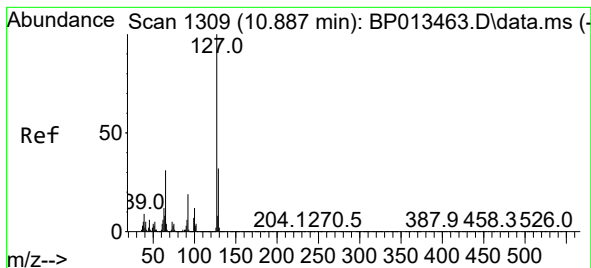
Tgt Ion:128 Resp: 423852
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.8 10.6 16.0



#32
Benzoic acid
Concen: 2.311 ng
RT: 9.963 min Scan# 1152
Delta R.T. -0.088 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:122 Resp: 69626
Ion Ratio Lower Upper
122 100
105 123.5 102.7 142.7
77 100.5 74.0 114.0





#33

4-Chloroaniline

Concen: 3.132 ng

RT: 10.887 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:127 Resp: 172507

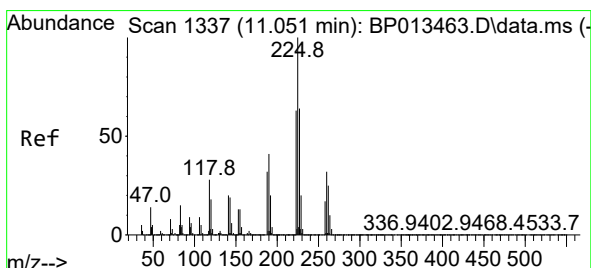
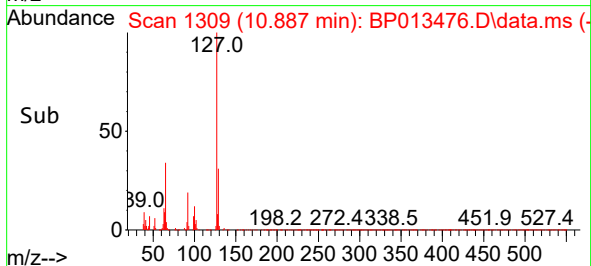
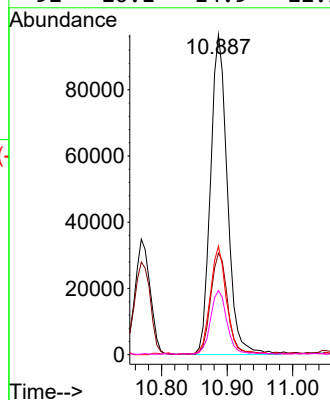
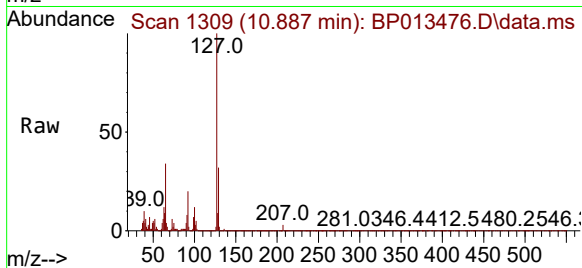
Ion Ratio Lower Upper

127 100

129 31.7 25.6 38.4

65 33.9 25.2 37.8

92 20.1 14.9 22.3



#34

Hexachlorobutadiene

Concen: 3.687 ng

RT: 11.051 min Scan# 1337

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

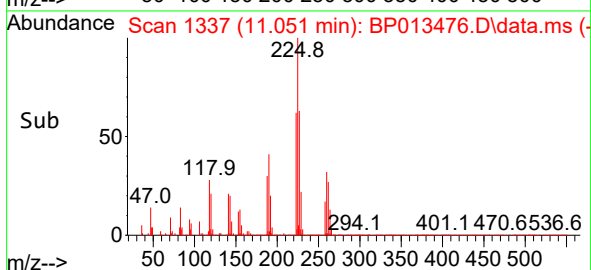
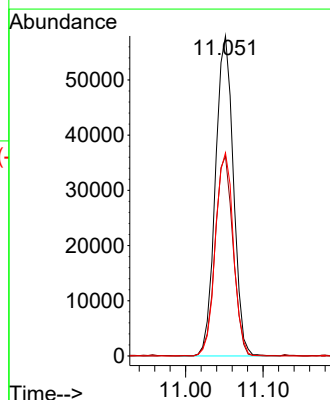
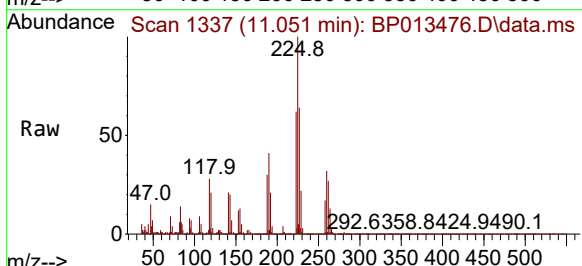
Tgt Ion:225 Resp: 93224

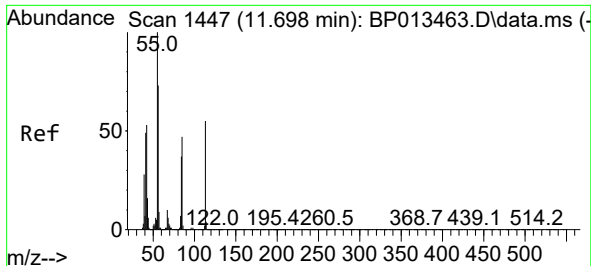
Ion Ratio Lower Upper

225 100

223 62.5 50.0 75.0

227 63.5 51.0 76.6

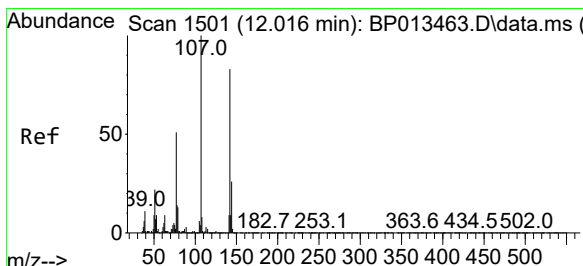
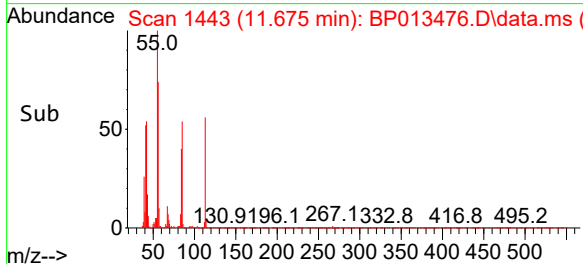
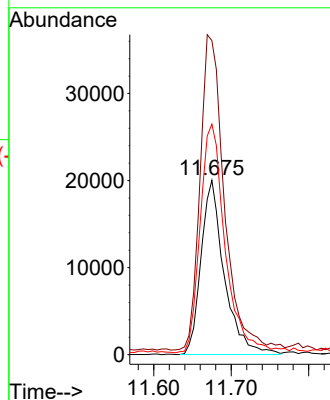
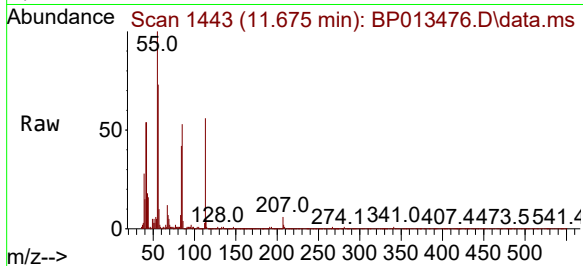




#35
Caprolactam
Concen: 3.088 ng
RT: 11.675 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

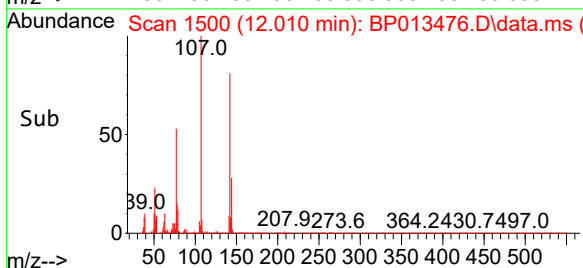
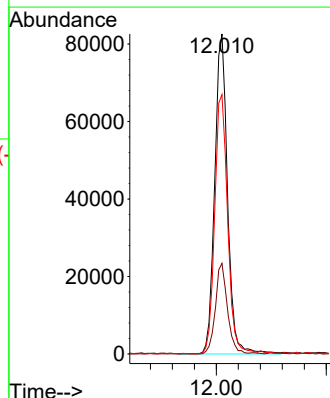
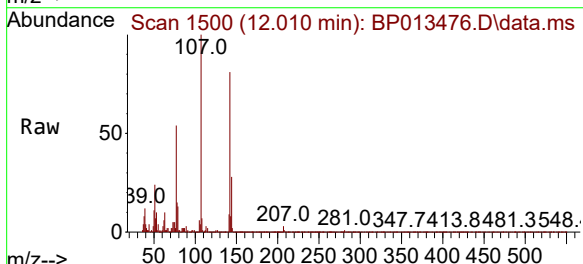
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

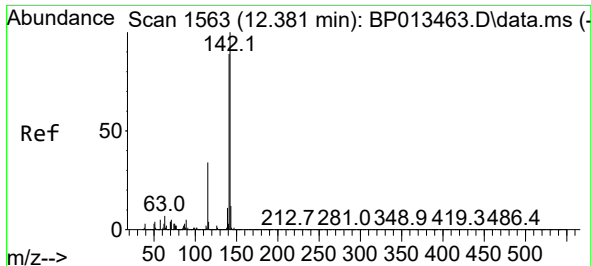
Tgt Ion:113 Resp: 41705
Ion Ratio Lower Upper
113 100
55 180.1 163.1 203.1
56 132.2 113.0 153.0



#36
4-Chloro-3-methylphenol
Concen: 3.243 ng
RT: 12.010 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:107 Resp: 133952
Ion Ratio Lower Upper
107 100
144 28.3 21.2 31.8
142 81.0 66.0 99.0





#37

2-Methylnaphthalene

Concen: 3.355 ng

RT: 12.381 min Scan# 1563

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

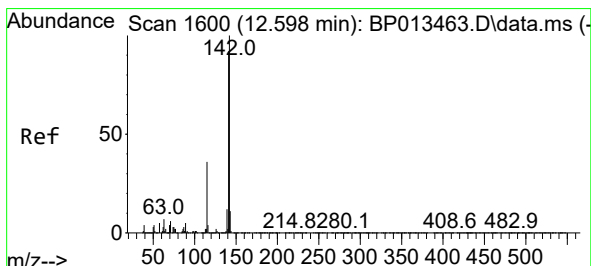
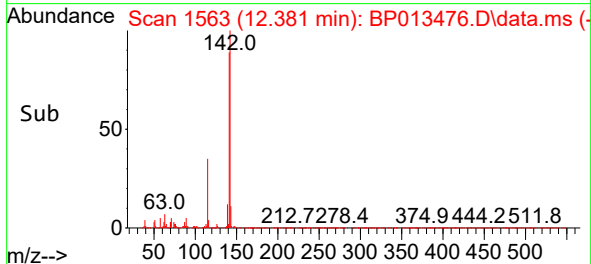
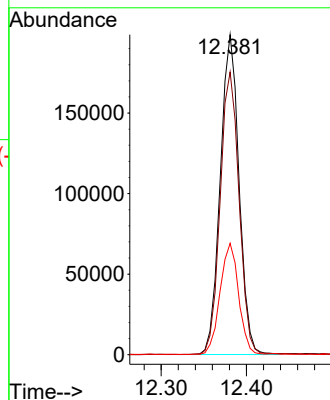
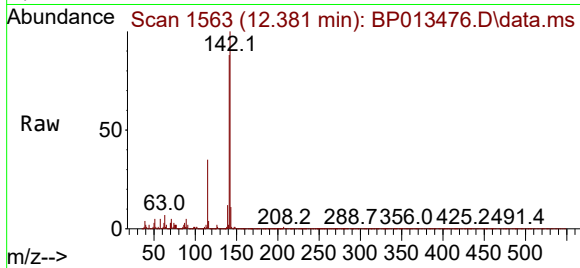
Tgt Ion:142 Resp: 303639

Ion Ratio Lower Upper

142 100

141 88.3 71.1 106.7

115 34.8 27.6 41.4



#38

1-Methylnaphthalene

Concen: 3.490 ng

RT: 12.598 min Scan# 1600

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

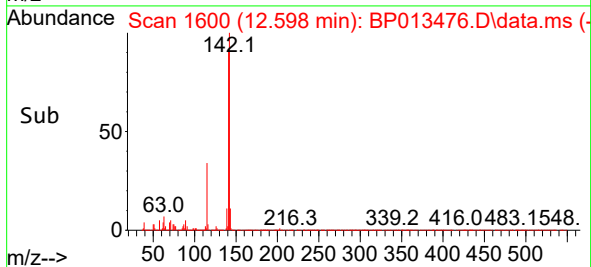
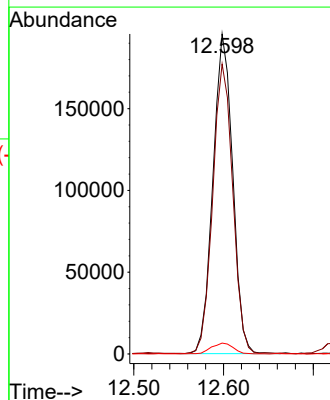
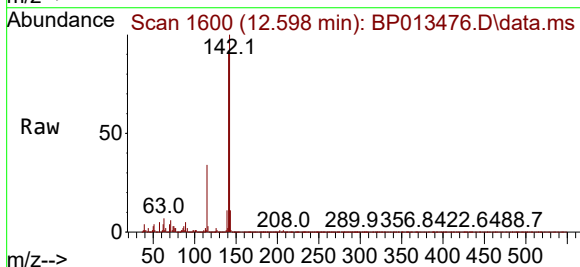
Tgt Ion:142 Resp: 297967

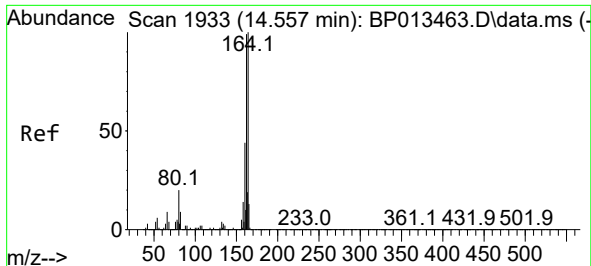
Ion Ratio Lower Upper

142 100

141 90.6 73.3 109.9

116 3.4 2.9 4.3

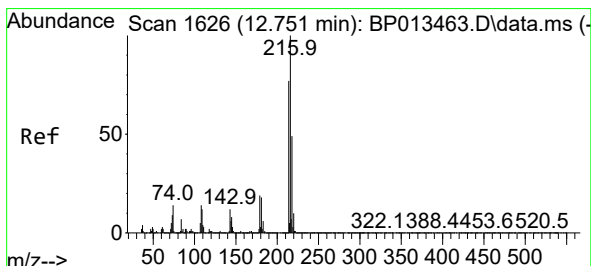
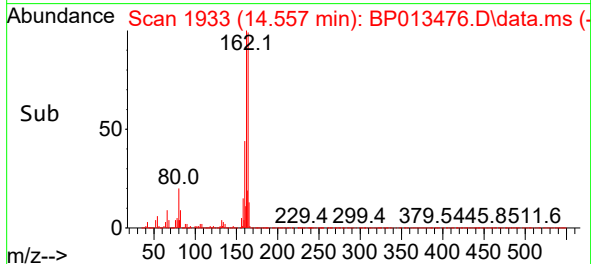
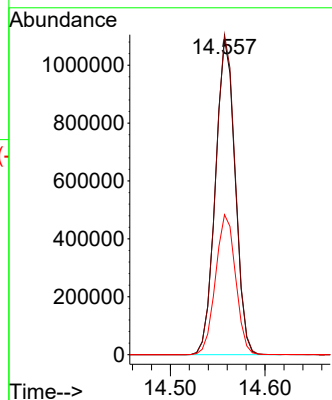
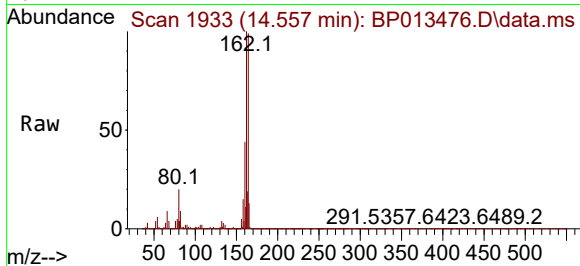




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

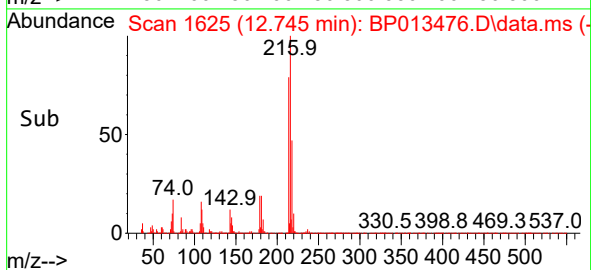
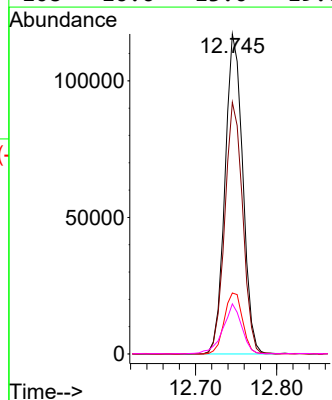
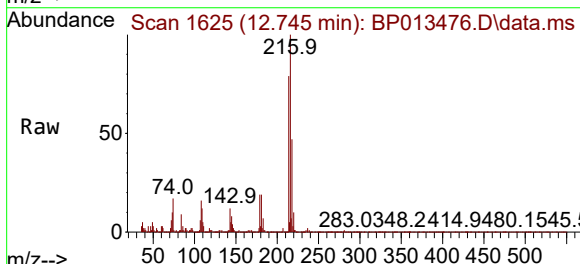
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

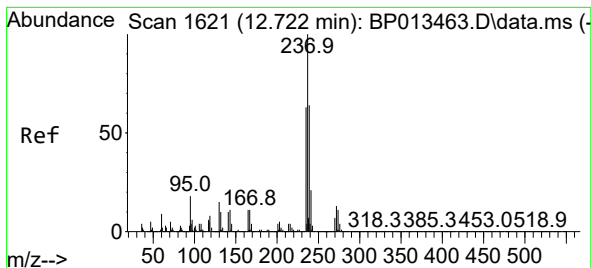
Tgt Ion:164 Resp: 1577188
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 44.4 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.446 ng
RT: 12.745 min Scan# 1625
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:216 Resp: 178141
Ion Ratio Lower Upper
216 100
214 79.1 62.1 93.1
179 19.7 15.6 23.4
108 16.6 13.0 19.6

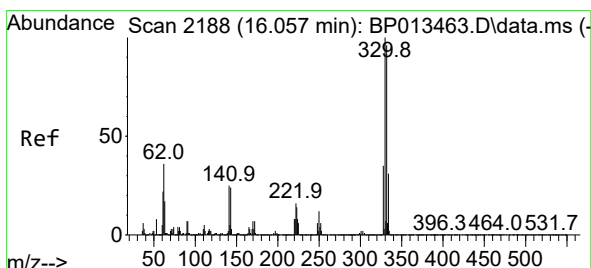
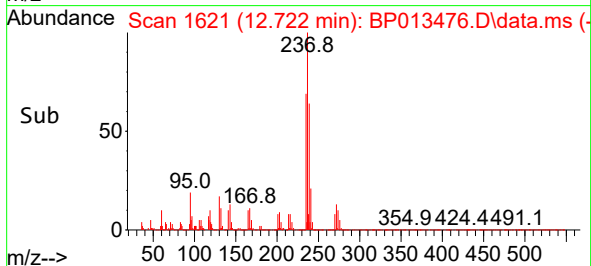
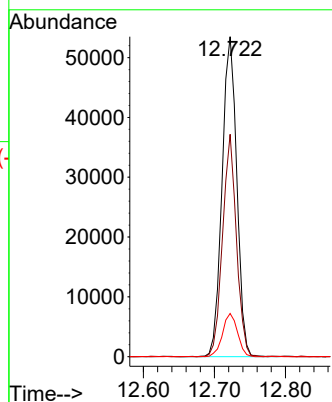
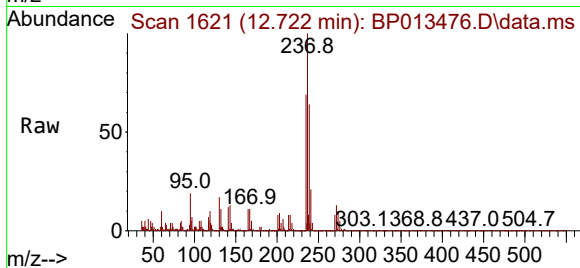




#41
Hexachlorocyclopentadiene
Concen: 2.843 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

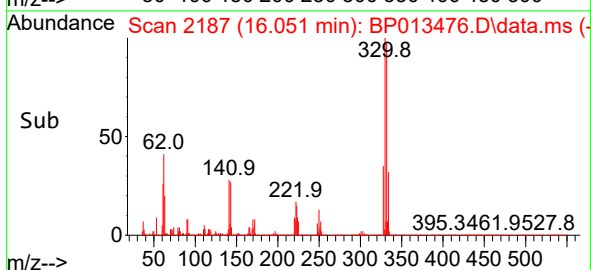
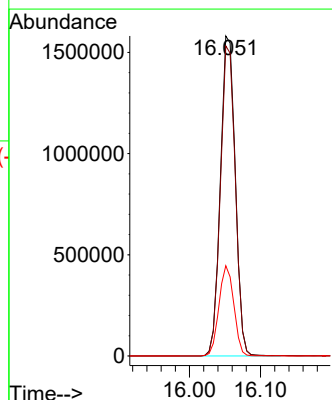
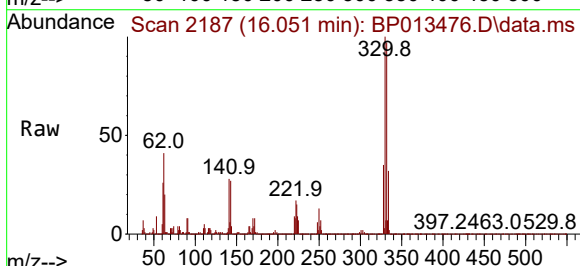
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

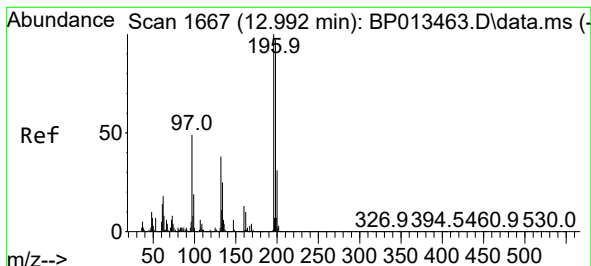
Tgt Ion:237 Resp: 76626
Ion Ratio Lower Upper
237 100
235 69.5 43.4 83.4
272 13.5 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 92.989 ng
RT: 16.051 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:330 Resp: 2289320
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 28.1 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 3.163 ng

RT: 12.992 min Scan# 1667

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

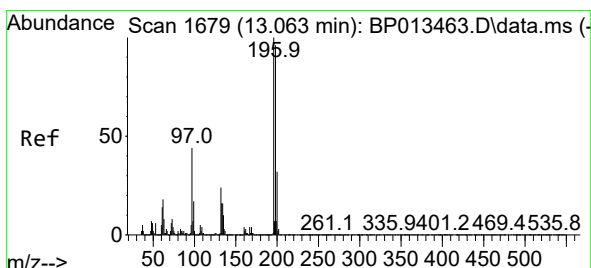
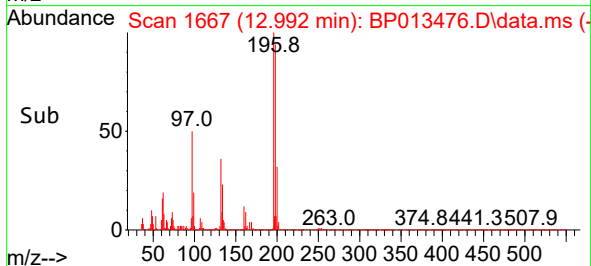
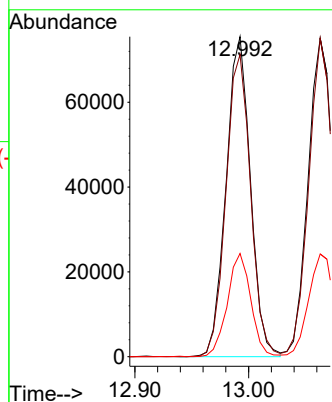
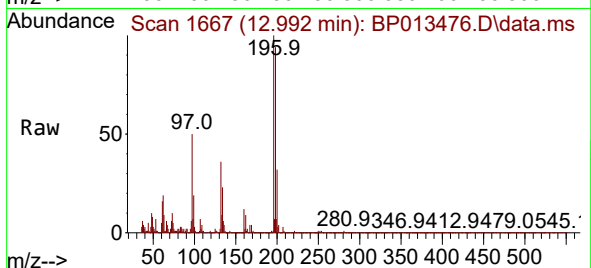
Tgt Ion:196 Resp: 112419

Ion Ratio Lower Upper

196 100

198 94.4 77.4 116.0

200 32.2 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 2.926 ng

RT: 13.063 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Tgt Ion:196 Resp: 122021

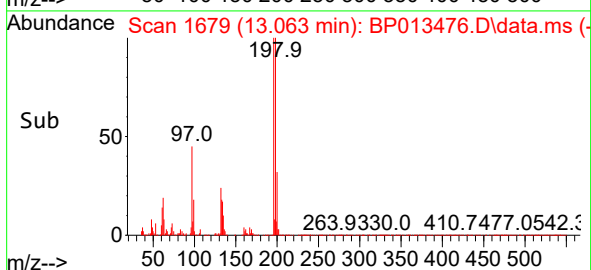
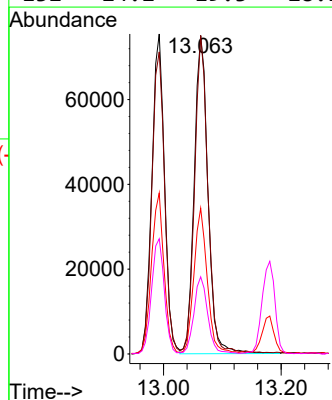
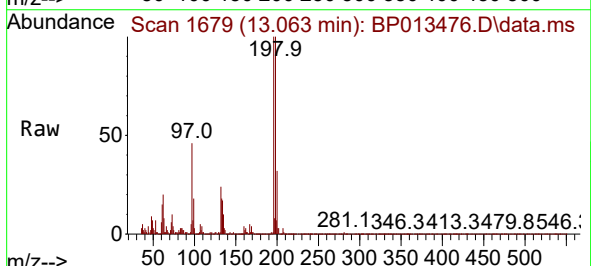
Ion Ratio Lower Upper

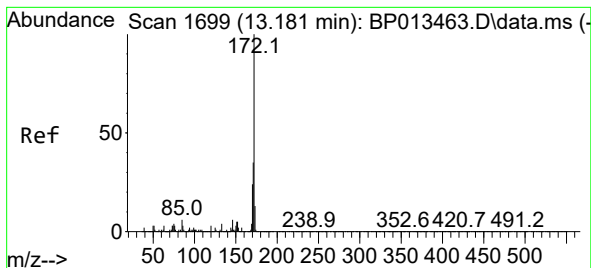
196 100

198 100.0 76.8 115.2

97 45.8 34.9 52.3

132 24.2 19.3 28.9





#45

2-Fluorobiphenyl

Concen: 70.911 ng

RT: 13.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

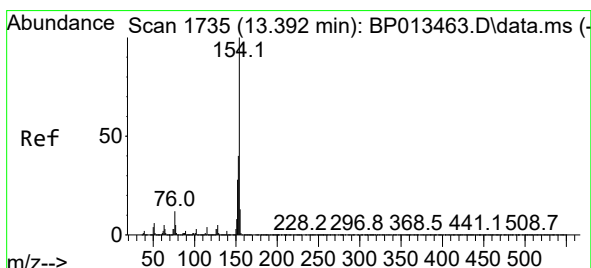
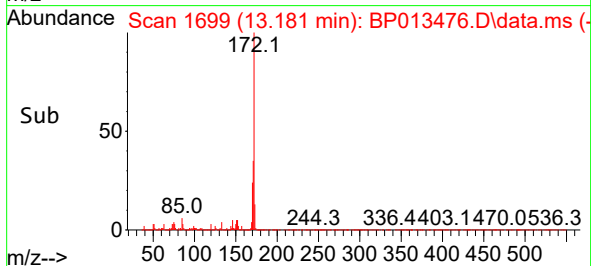
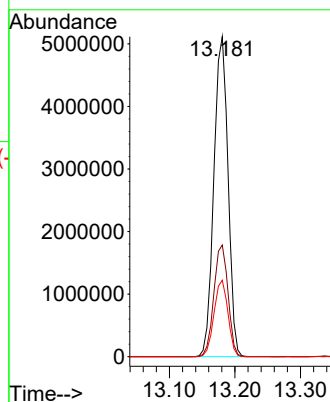
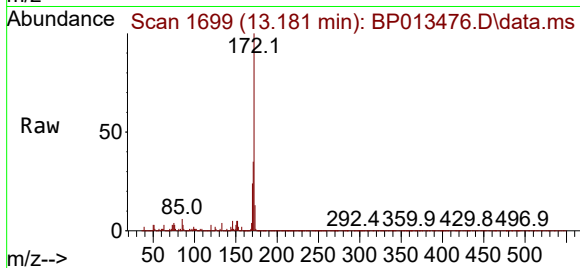
Tgt Ion:172 Resp: 7650596

Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 3.657 ng

RT: 13.387 min Scan# 1734

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

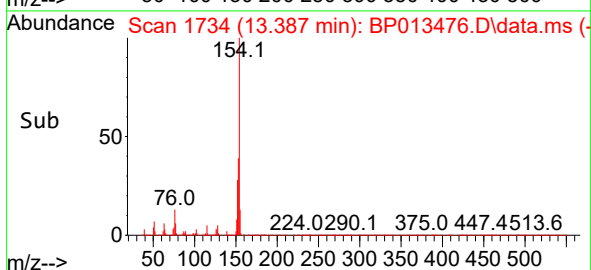
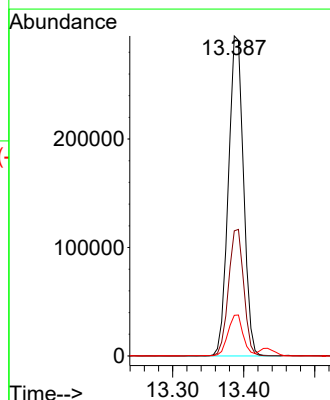
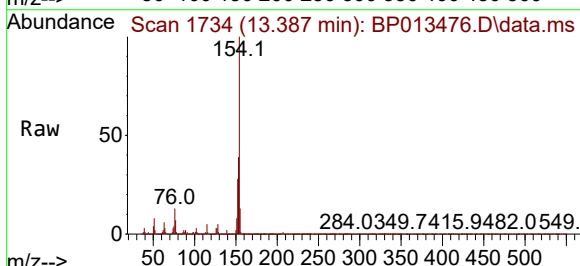
Tgt Ion:154 Resp: 436025

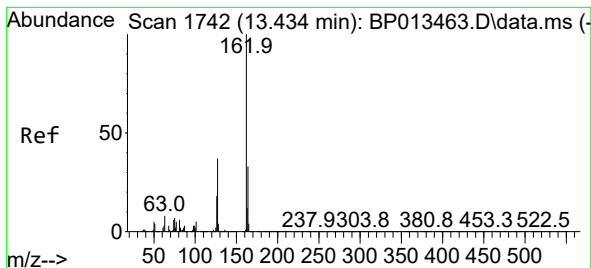
Ion Ratio Lower Upper

154 100

153 39.1 19.9 59.9

76 12.7 0.0 32.5





#47

2-Chloronaphthalene

Concen: 3.586 ng

RT: 13.434 min Scan# 1742

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

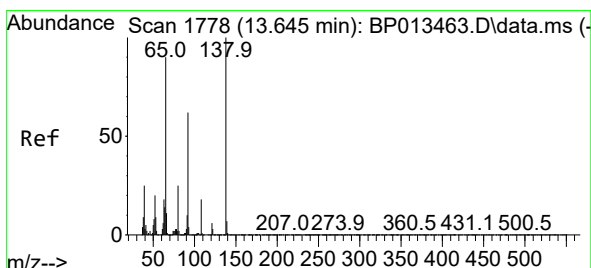
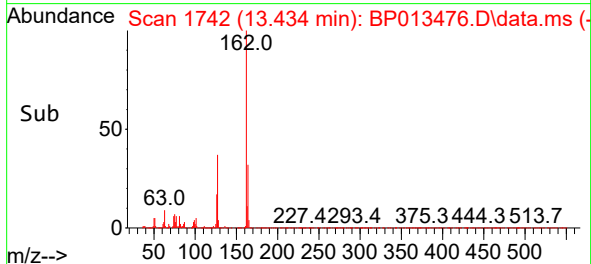
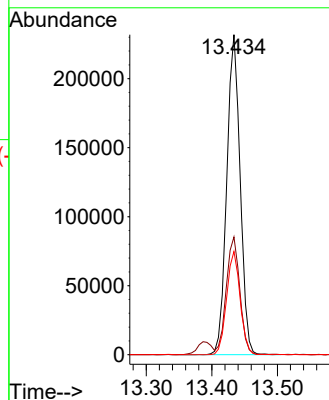
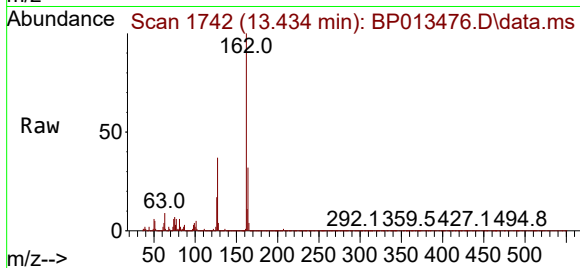
Tgt Ion:162 Resp: 327987

Ion Ratio Lower Upper

162 100

127 36.8 29.8 44.8

164 32.2 26.4 39.6



#48

2-Nitroaniline

Concen: 2.850 ng

RT: 13.640 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

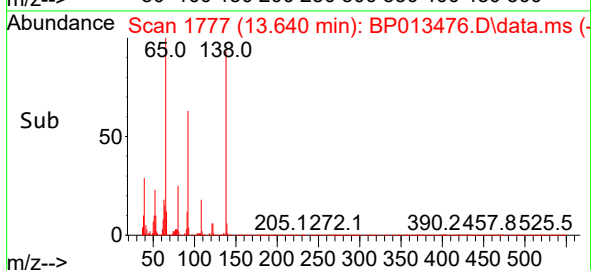
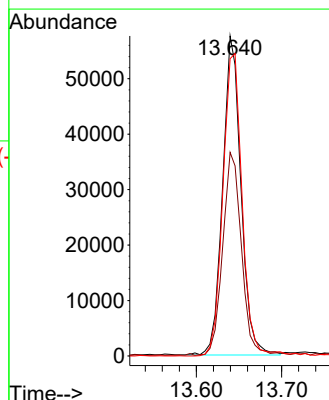
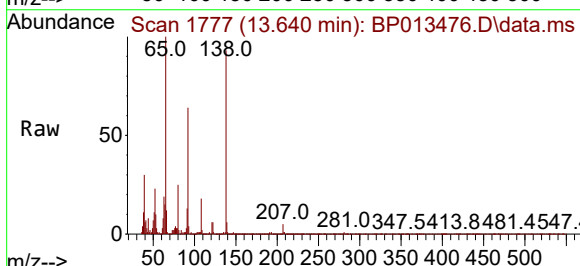
Tgt Ion: 65 Resp: 85799

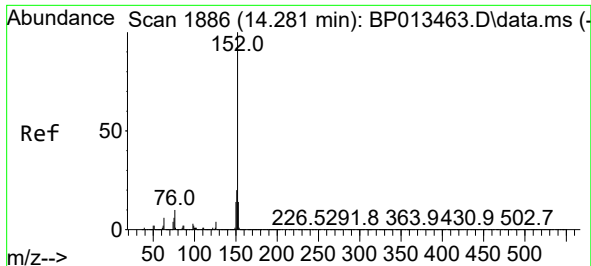
Ion Ratio Lower Upper

65 100

92 63.6 55.1 82.7

138 92.9 88.5 132.7

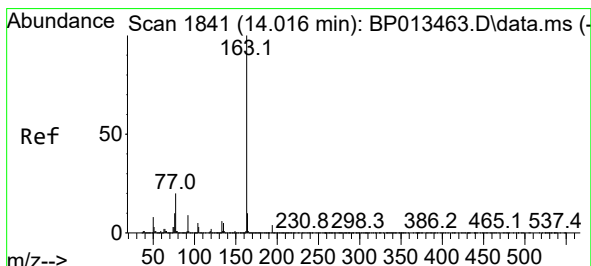
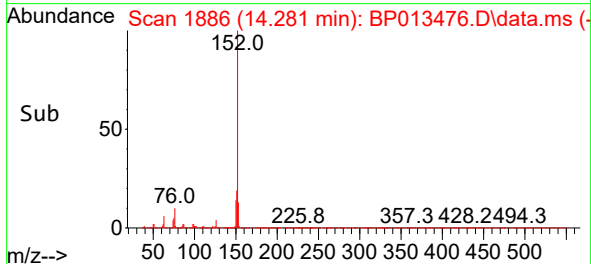
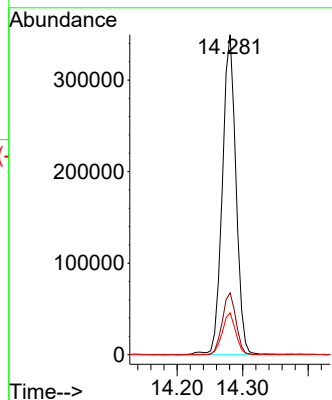
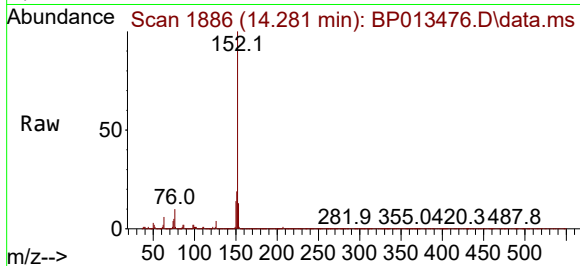




#49
Acenaphthylene
Concen: 3.327 ng
RT: 14.281 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

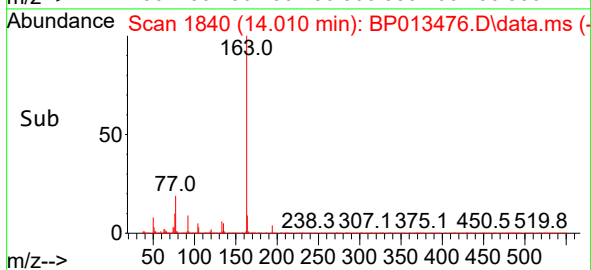
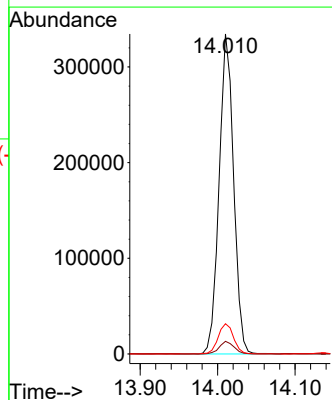
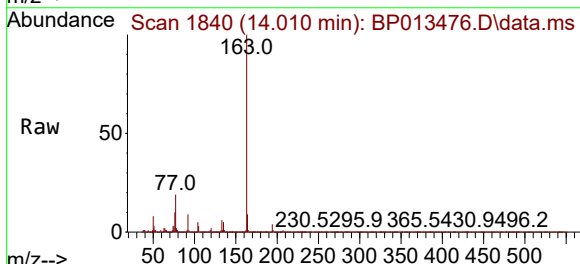
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

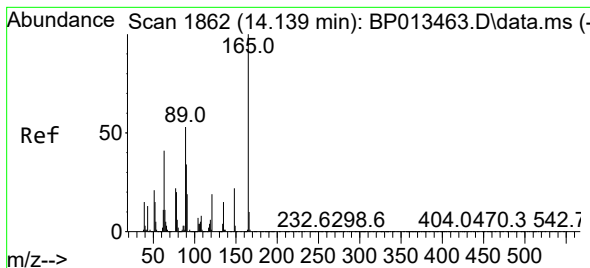
Tgt Ion:152 Resp: 501758
Ion Ratio Lower Upper
152 100
151 19.3 16.0 24.0
153 13.0 10.9 16.3



#50
Dimethylphthalate
Concen: 3.475 ng
RT: 14.010 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:163 Resp: 434552
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 9.4 8.3 12.5

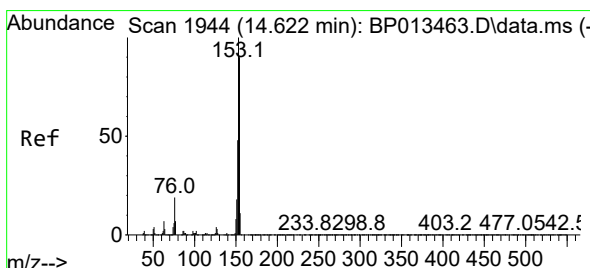
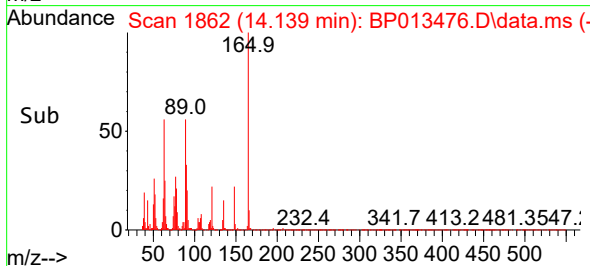
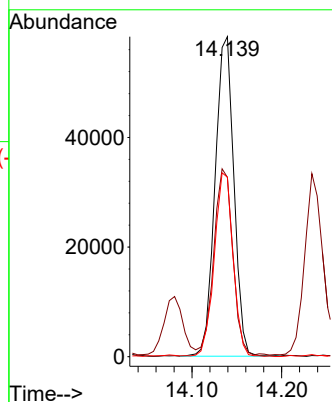
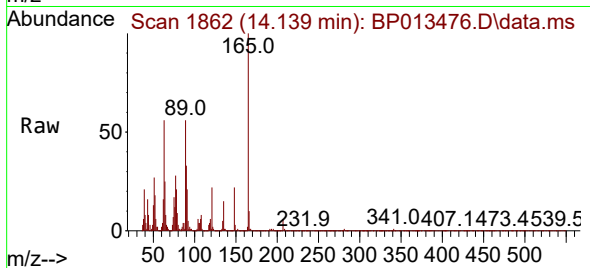




#51
2,6-Dinitrotoluene
Concen: 3.109 ng
RT: 14.139 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

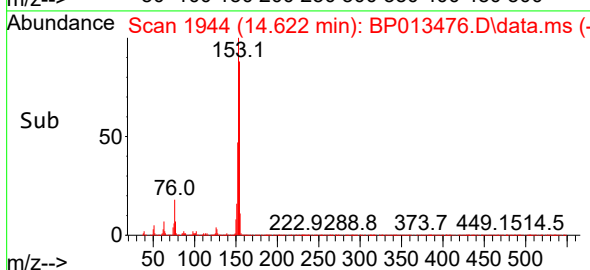
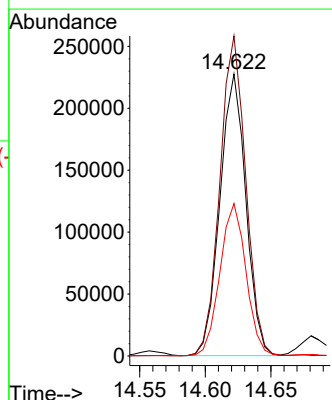
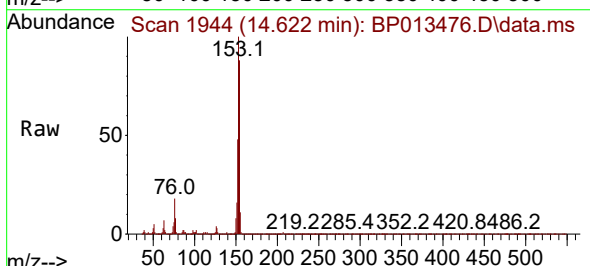
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

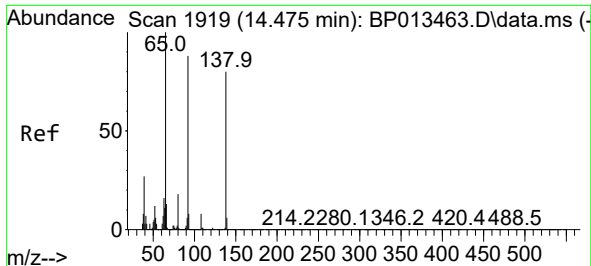
Tgt Ion:165 Resp: 84808
Ion Ratio Lower Upper
165 100
63 56.1 42.8 64.2
89 56.1 42.5 63.7



#52
Acenaphthene
Concen: 3.505 ng
RT: 14.622 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:154 Resp: 312894
Ion Ratio Lower Upper
154 100
153 113.5 89.2 133.8
152 54.1 42.8 64.2

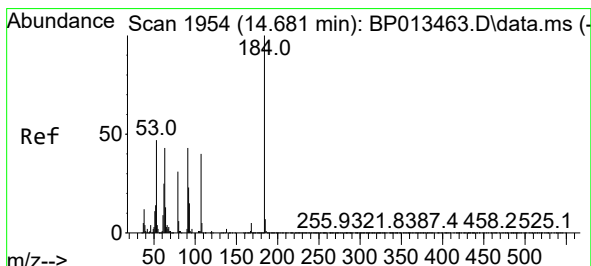
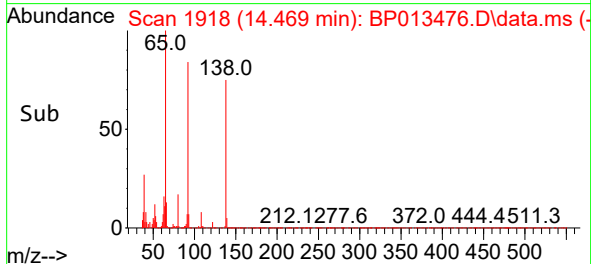
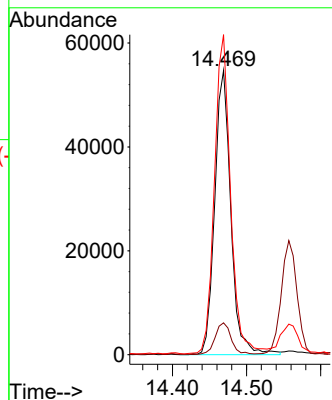
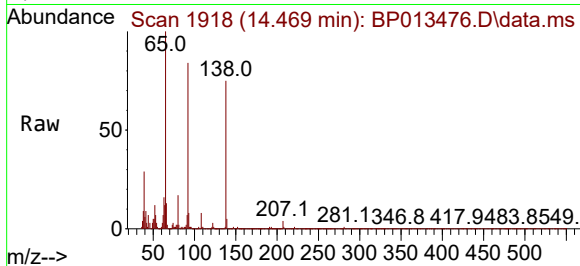




#53
3-Nitroaniline
Concen: 2.824 ng
RT: 14.469 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

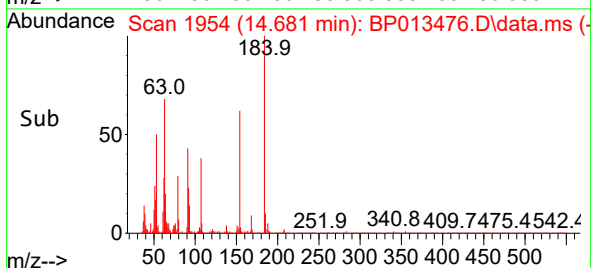
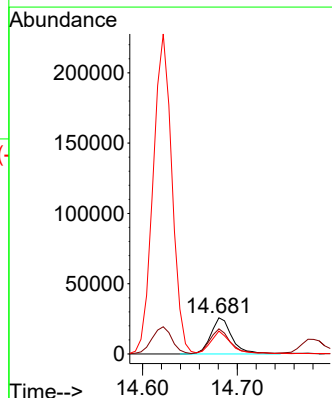
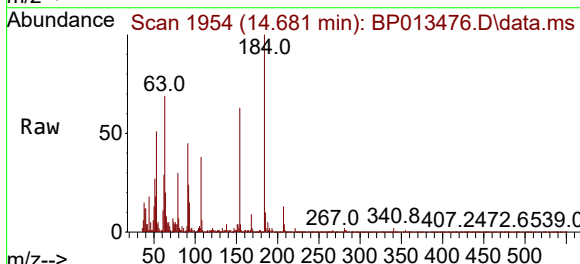
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

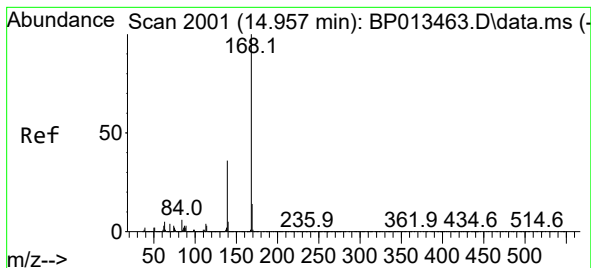
Tgt Ion:138 Resp: 82418
Ion Ratio Lower Upper
138 100
108 11.2 7.7 11.5
92 112.6 88.2 132.2



#54
2,4-Dinitrophenol
Concen: 2.144 ng
RT: 14.681 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:184 Resp: 39747
Ion Ratio Lower Upper
184 100
63 69.4 49.8 74.8
154 63.1 45.8 68.8





#55

Dibenzofuran

Concen: 3.568 ng

RT: 14.957 min Scan# 2001

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

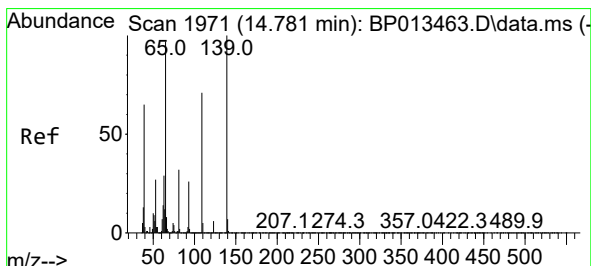
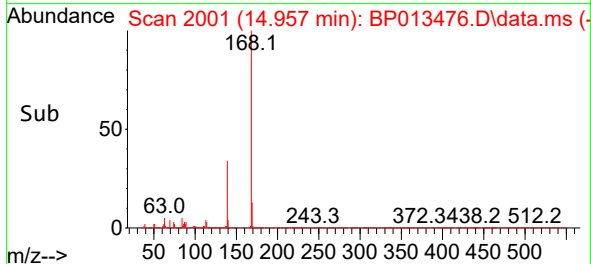
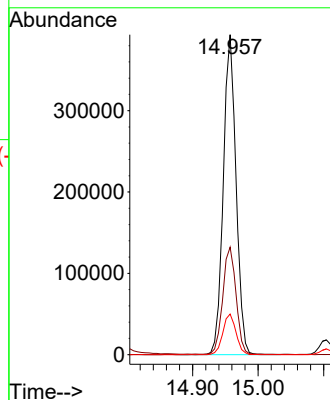
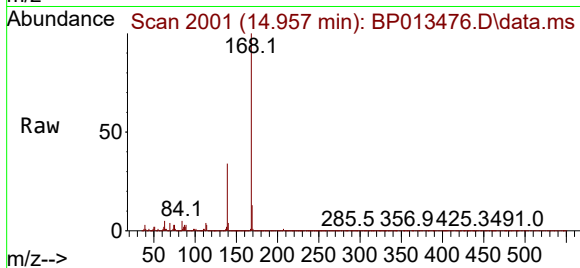
Tgt Ion:168 Resp: 528002

Ion Ratio Lower Upper

168 100

139 33.6 28.6 43.0

169 12.7 11.0 16.6



#56

4-Nitrophenol

Concen: 2.698 ng

RT: 14.781 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

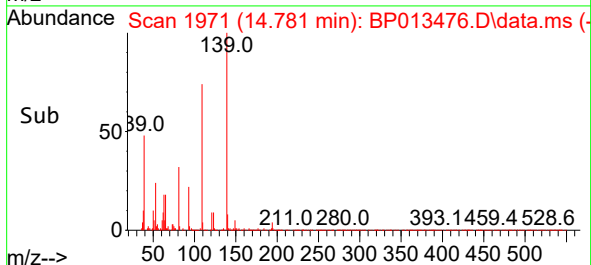
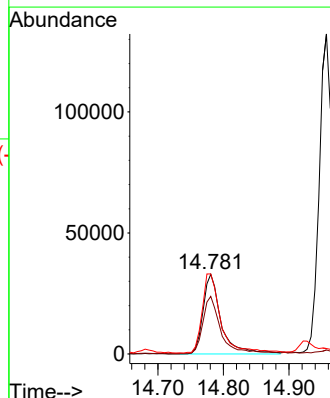
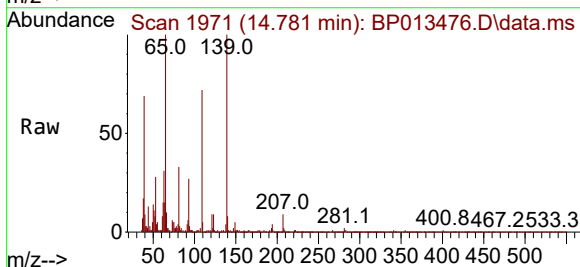
Tgt Ion:139 Resp: 63266

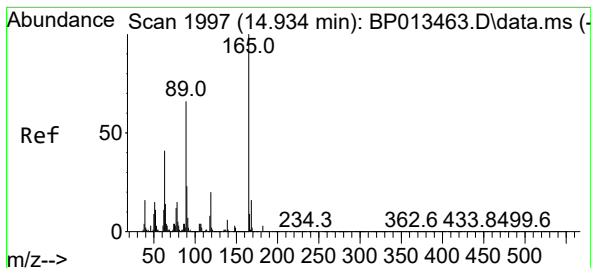
Ion Ratio Lower Upper

139 100

109 72.3 51.0 91.0

65 100.4 77.3 117.3





#57

2,4-Dinitrotoluene

Concen: 2.820 ng

RT: 14.928 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:165 Resp: 105222

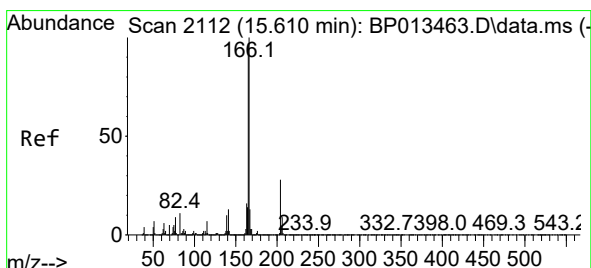
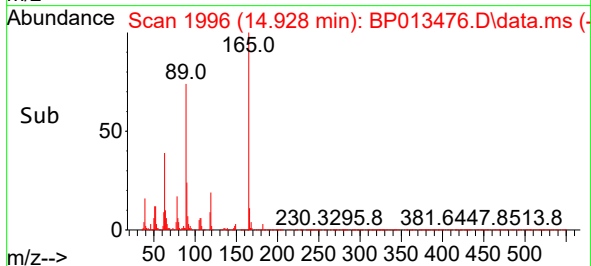
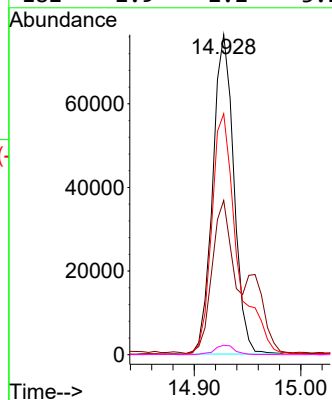
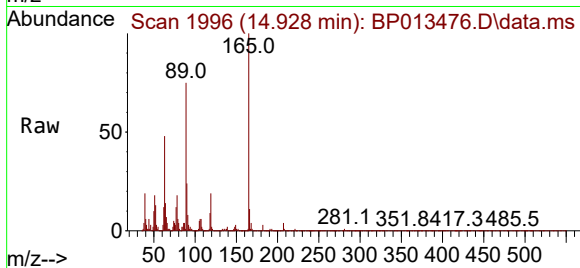
Ion Ratio Lower Upper

165 100

63 48.2 33.3 49.9

89 75.3 52.6 78.8

182 2.9 2.2 3.2



#58

Fluorene

Concen: 3.586 ng

RT: 15.610 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

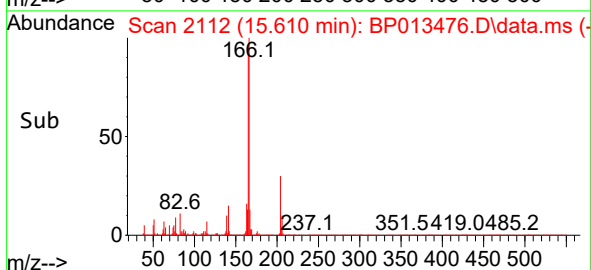
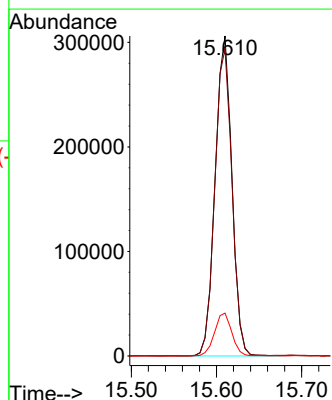
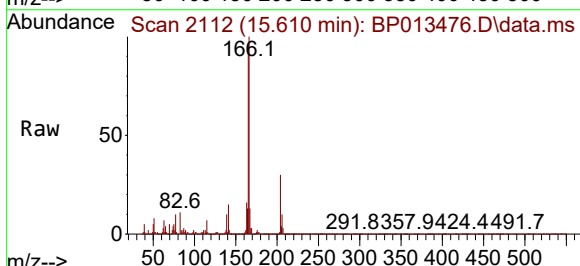
Tgt Ion:166 Resp: 418868

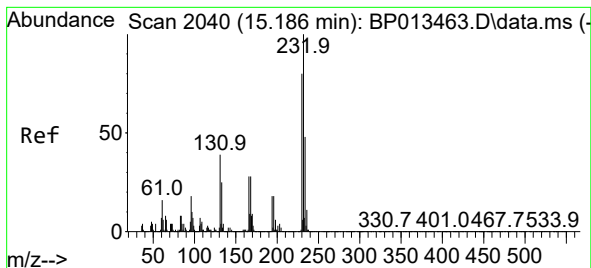
Ion Ratio Lower Upper

166 100

165 96.0 77.9 116.9

167 13.4 10.7 16.1

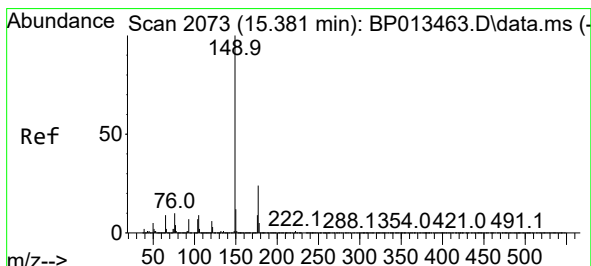
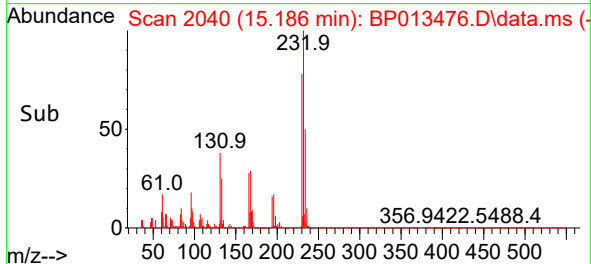
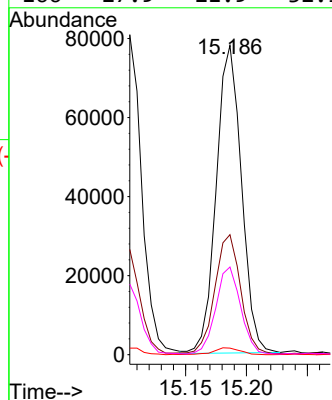
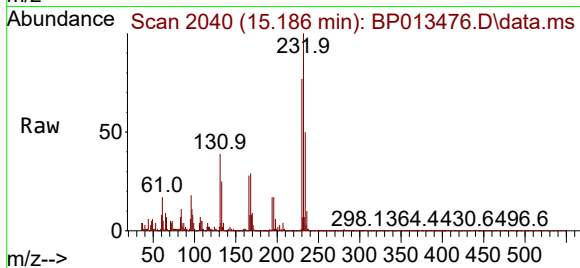




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.105 ng
RT: 15.186 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

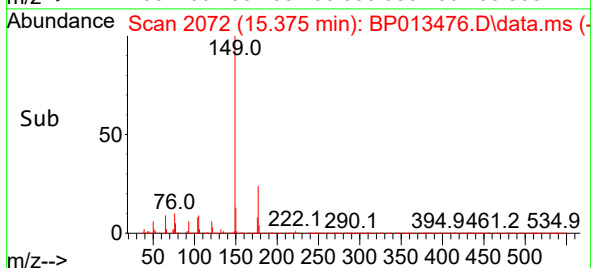
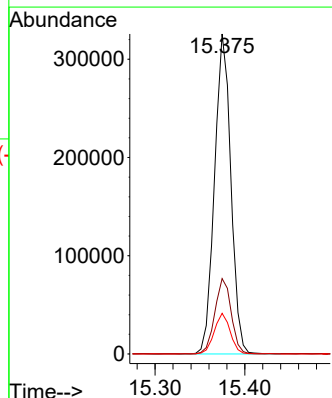
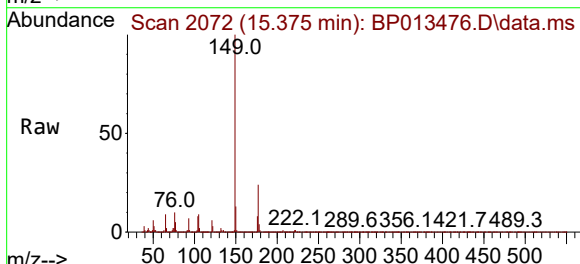
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

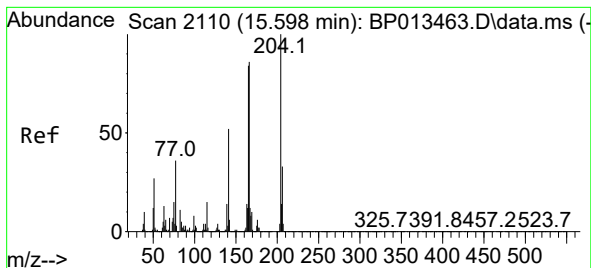
Tgt Ion:	232	Resp:	111977
Ion	Ratio	Lower	Upper
232	100		
131	39.9	30.3	45.5
130	2.3	1.7	2.5
166	27.9	21.9	32.9



#60
Diethylphthalate
Concen: 3.363 ng
RT: 15.375 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:	149	Resp:	411568
Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.8	28.2
150	12.7	9.9	14.9

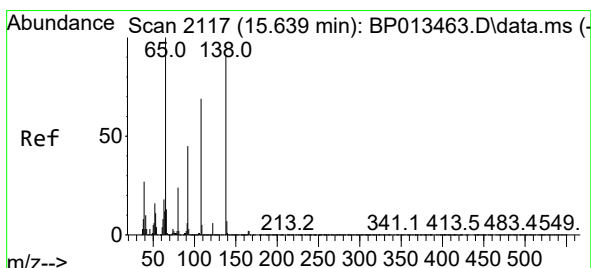
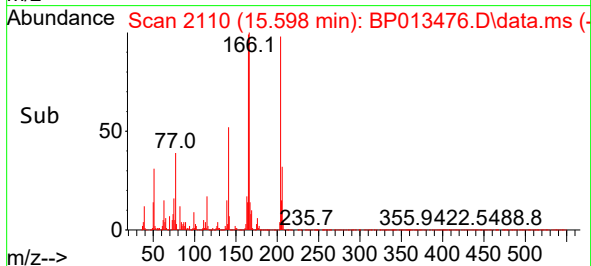
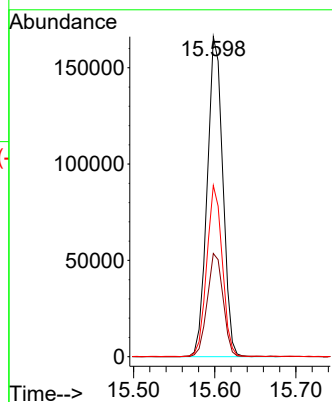
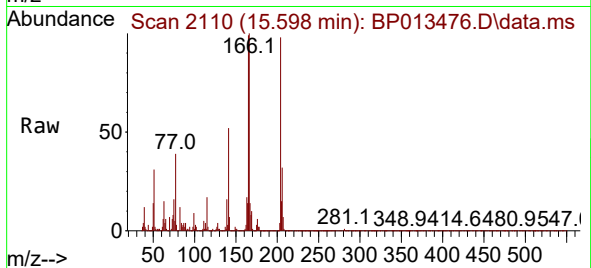




#61
4-Chlorophenyl-phenylether
Concen: 3.574 ng
RT: 15.598 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

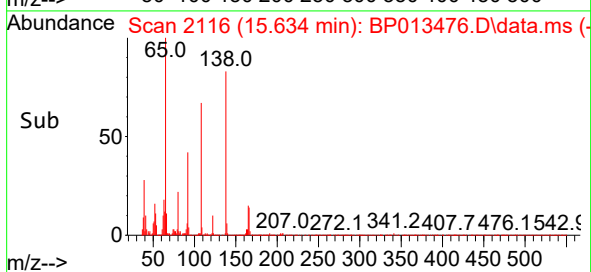
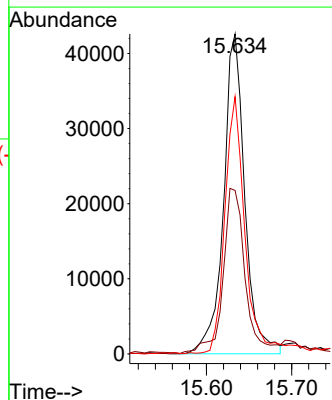
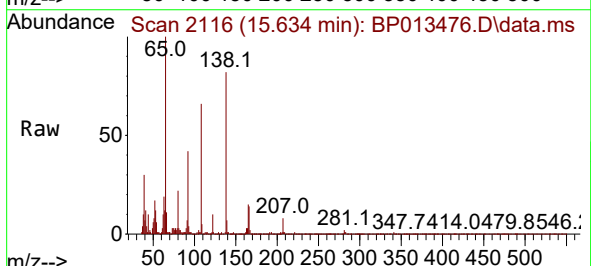
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

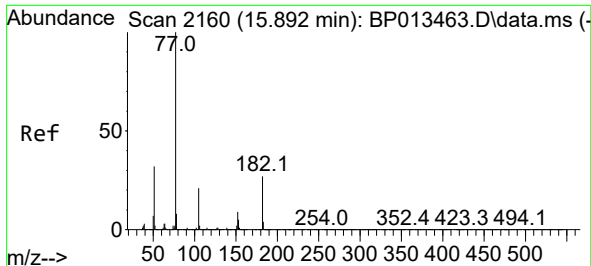
Tgt Ion:204 Resp: 221674
Ion Ratio Lower Upper
204 100
206 32.3 26.4 39.6
141 53.5 41.3 61.9



#62
4-Nitroaniline
Concen: 2.475 ng
RT: 15.634 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:138 Resp: 73960
Ion Ratio Lower Upper
138 100
92 51.1 29.7 69.7
108 80.4 55.8 95.8

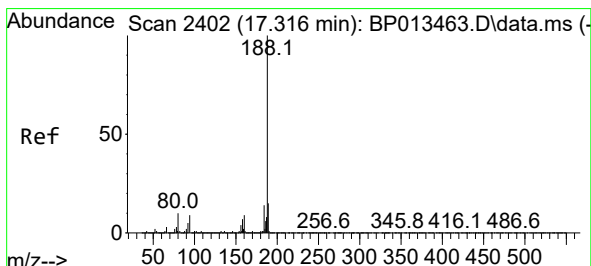
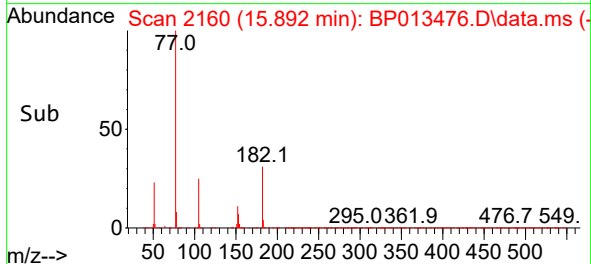
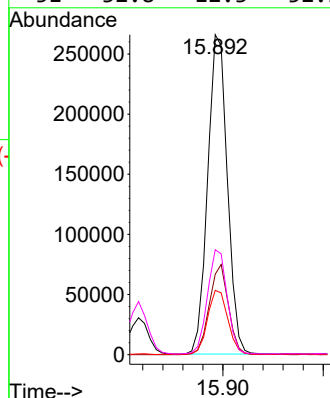
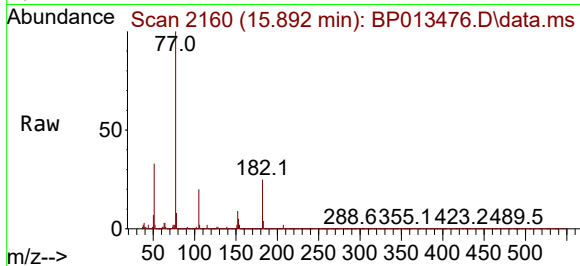




#63
Azobenzene
Concen: 3.227 ng
RT: 15.892 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

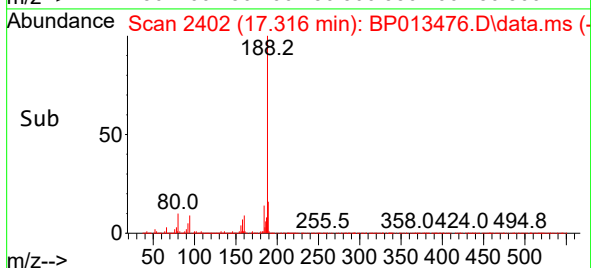
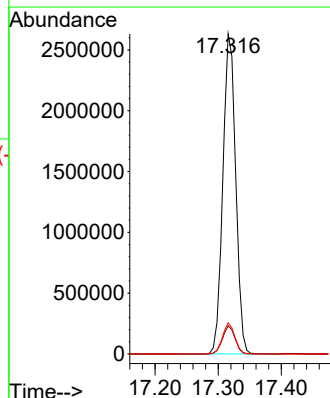
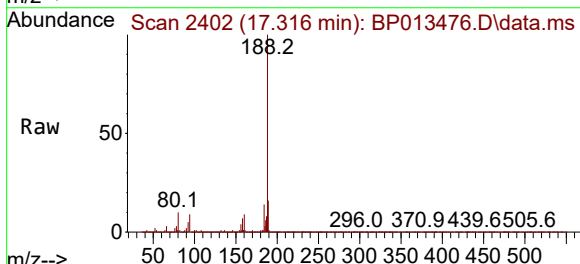
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

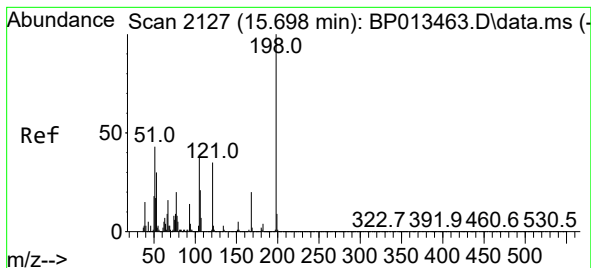
Tgt Ion: 77	Resp: 362603
Ion Ratio	Lower Upper
77 100	
182 25.2	7.0 47.0
105 20.1	1.0 41.0
51 32.8	12.3 52.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:188	Resp: 3704924		
Ion Ratio	Lower	Upper	
188 100			
94 8.8	7.1	10.7	
80 9.7	7.9	11.9	

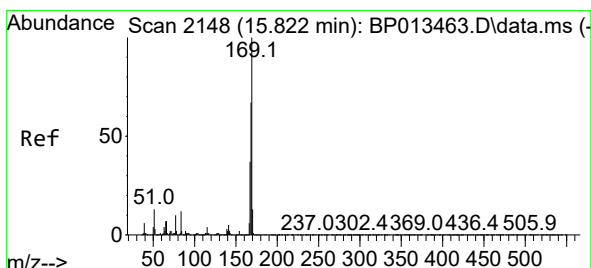
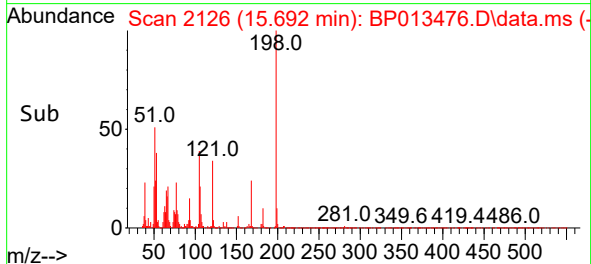
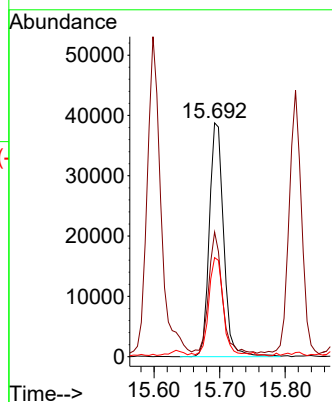
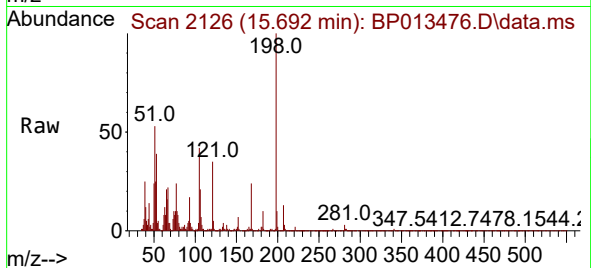




#65
4,6-Dinitro-2-methylphenol
Concen: 2.322 ng
RT: 15.692 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

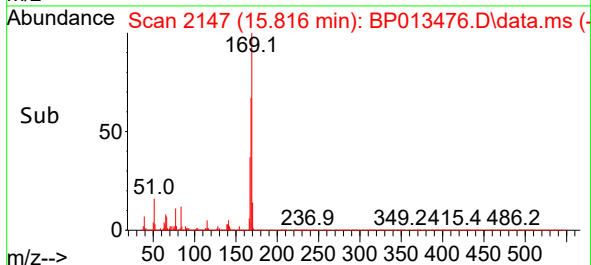
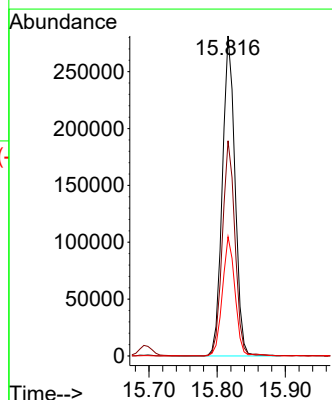
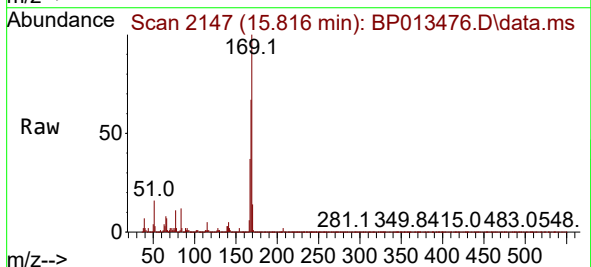
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

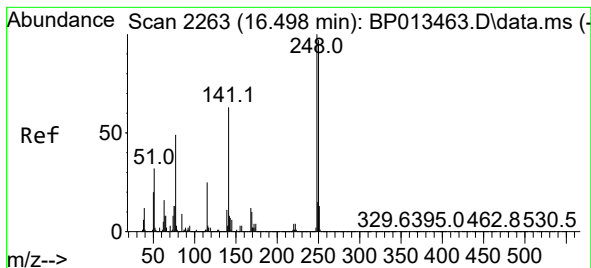
Tgt Ion:198 Resp: 58844
Ion Ratio Lower Upper
198 100
51 53.4 23.6 63.6
105 42.4 17.9 57.9



#66
n-Nitrosodiphenylamine
Concen: 3.343 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:169 Resp: 363926
Ion Ratio Lower Upper
169 100
168 67.3 53.3 79.9
167 37.3 29.4 44.0

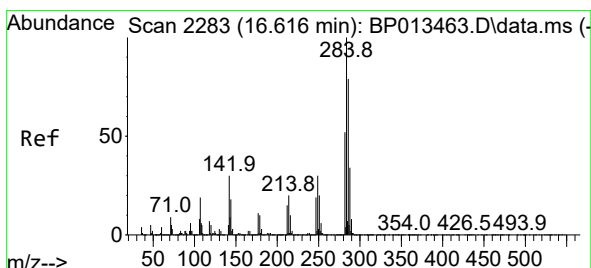
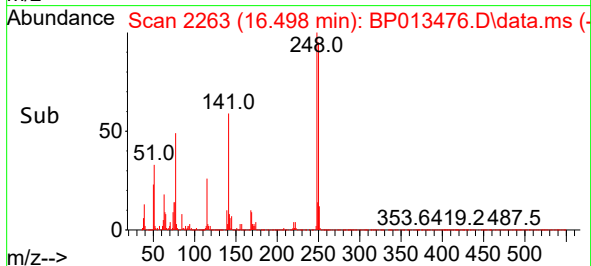
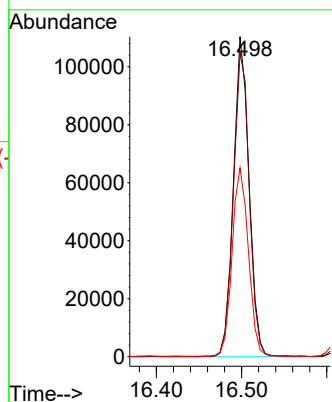
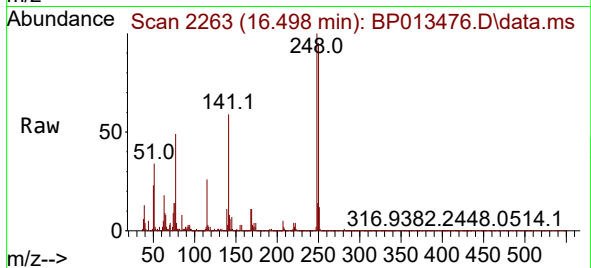




#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 16.498 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

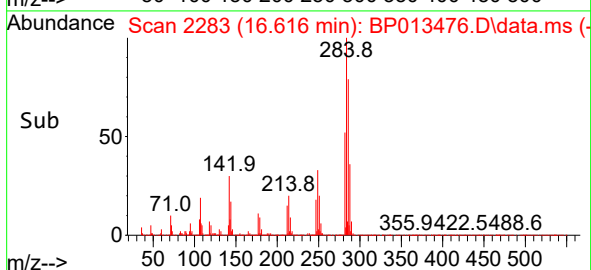
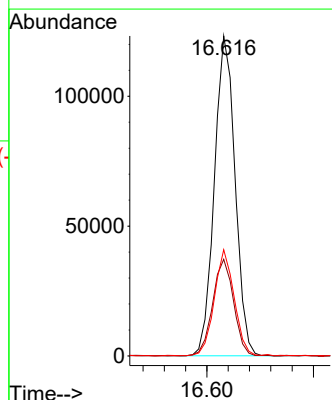
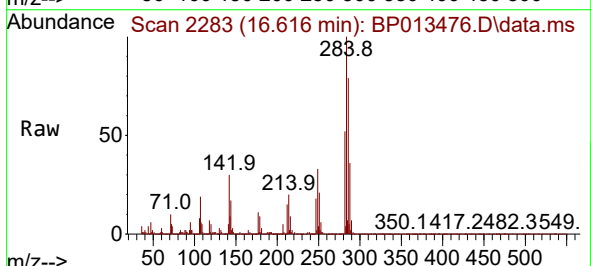
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

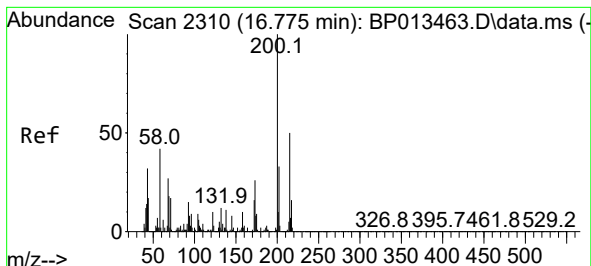
Tgt Ion:248 Resp: 140092
Ion Ratio Lower Upper
248 100
250 95.0 77.7 116.5
141 59.0 50.2 75.4



#68
Hexachlorobenzene
Concen: 3.568 ng
RT: 16.616 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:284 Resp: 165709
Ion Ratio Lower Upper
284 100
142 30.2 23.9 35.9
249 33.2 24.1 36.1





#69

Atrazine

Concen: 3.390 ng

RT: 16.775 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

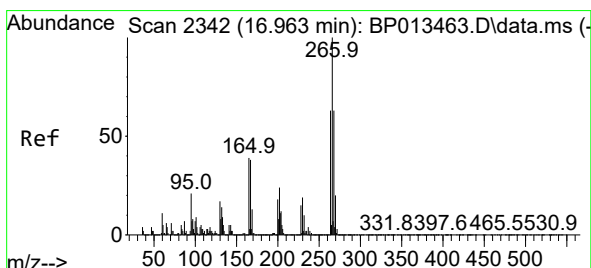
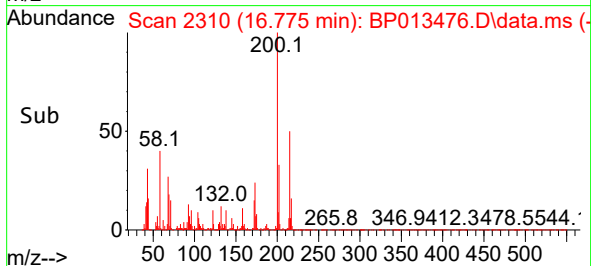
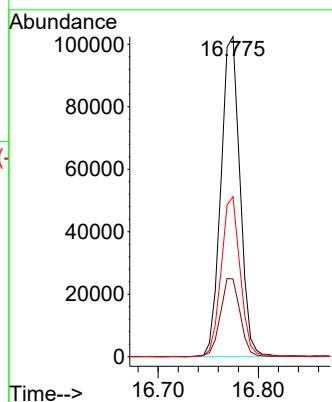
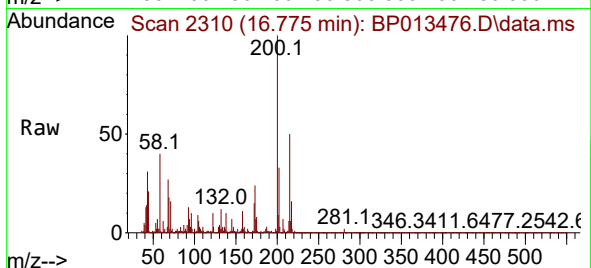
Tgt Ion:200 Resp: 135158

Ion Ratio Lower Upper

200 100

173 24.3 5.9 45.9

215 50.0 30.0 70.0



#70

Pentachlorophenol

Concen: 2.463 ng

RT: 16.969 min Scan# 2343

Delta R.T. 0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

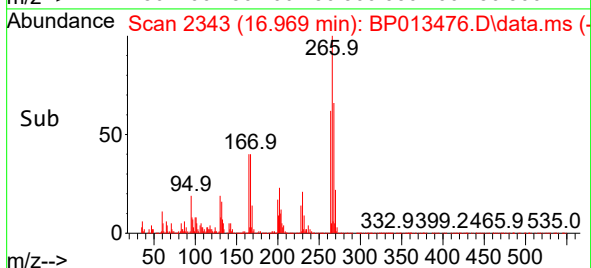
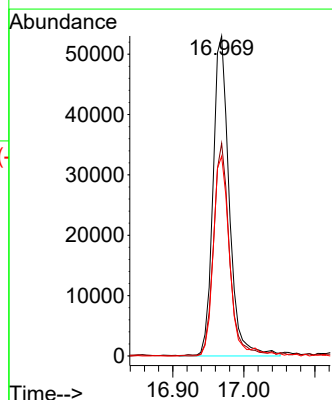
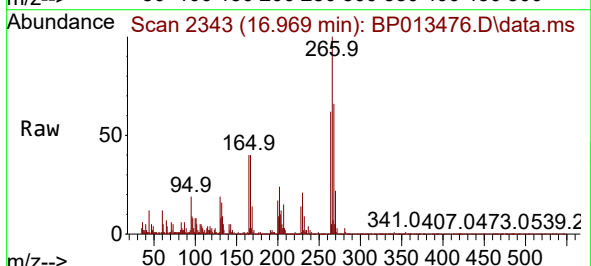
Tgt Ion:266 Resp: 83832

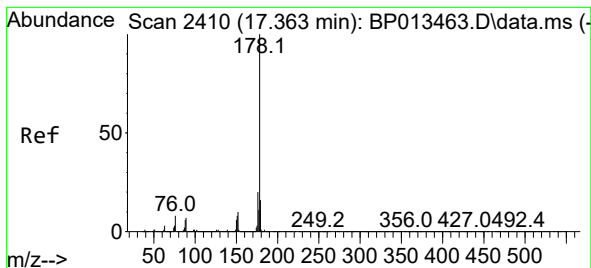
Ion Ratio Lower Upper

266 100

268 66.4 50.7 76.1

264 62.4 50.4 75.6





#71

Phenanthrene

Concen: 3.591 ng

RT: 17.363 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

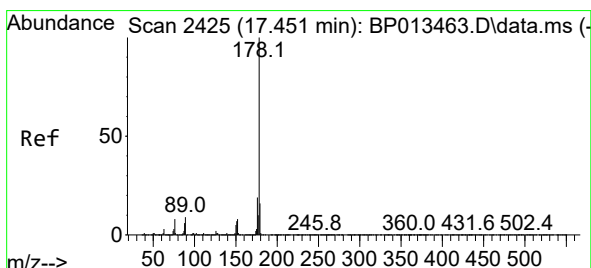
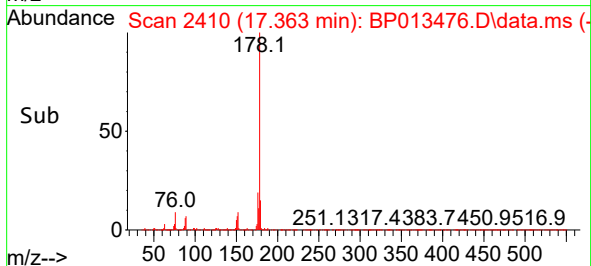
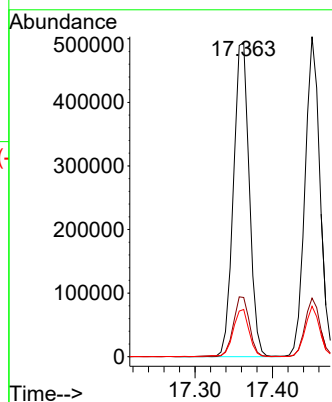
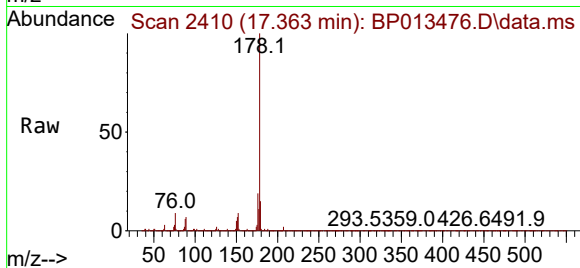
Tgt Ion:178 Resp: 701971

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 15.0 12.6 19.0



#72

Anthracene

Concen: 3.423 ng

RT: 17.451 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

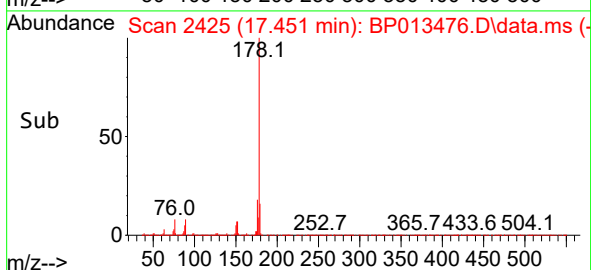
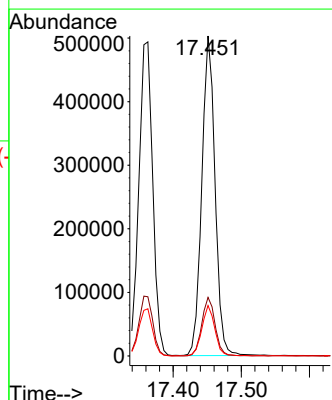
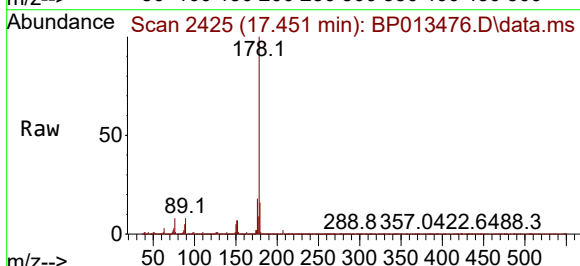
Tgt Ion:178 Resp: 680796

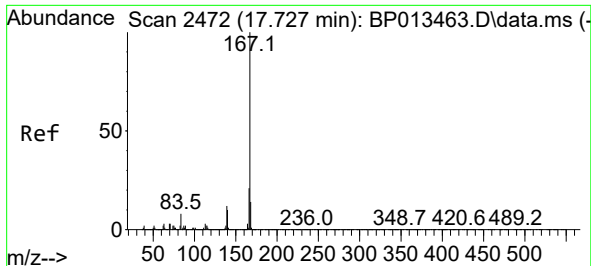
Ion Ratio Lower Upper

178 100

176 18.3 15.2 22.8

179 15.8 12.6 18.8

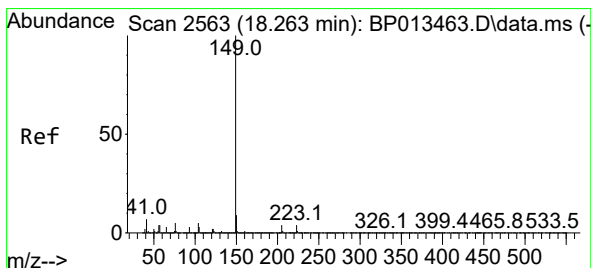
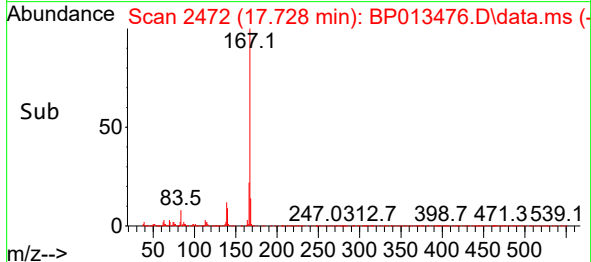
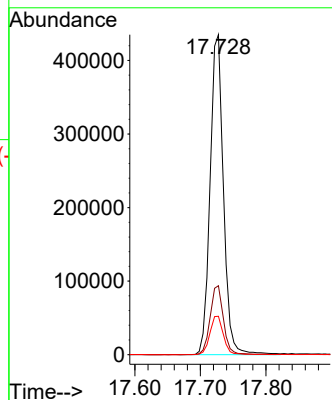
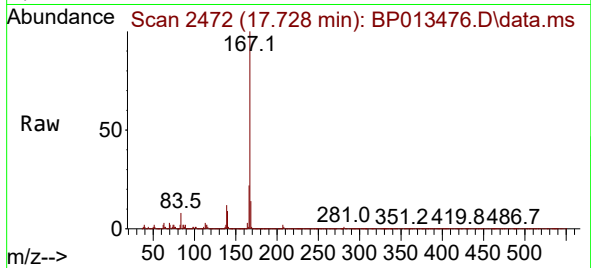




#73
 Carbazole
 Concen: 3.399 ng
 RT: 17.728 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BP013476.D
 Acq: 16 Jan 2023 11:26

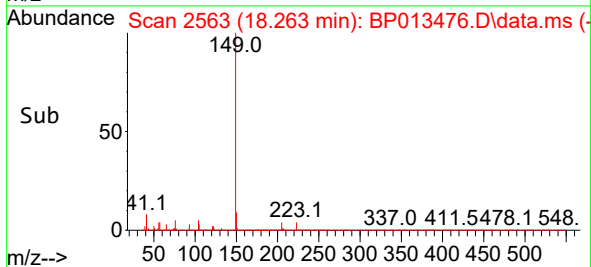
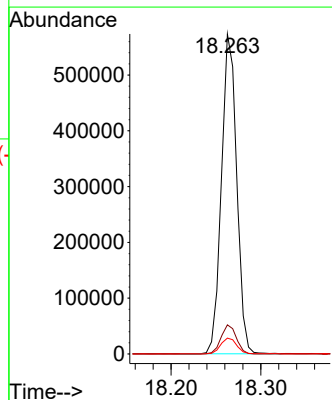
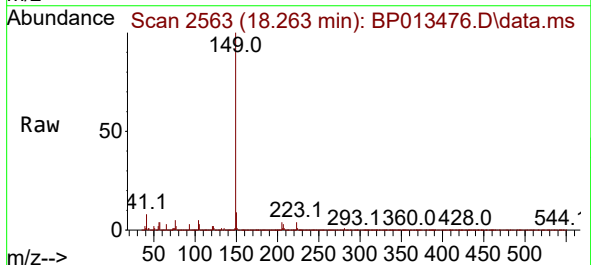
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

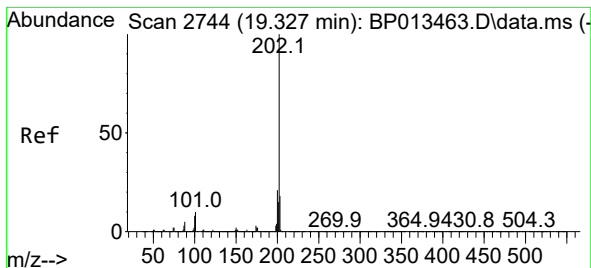
Tgt Ion:167 Resp: 615740
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.2 25.8
 139 12.0 9.9 14.9



#74
 Di-n-butylphthalate
 Concen: 3.217 ng
 RT: 18.263 min Scan# 2563
 Delta R.T. 0.000 min
 Lab File: BP013476.D
 Acq: 16 Jan 2023 11:26

Tgt Ion:149 Resp: 676466
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 5.0 3.9 5.9





#75

Fluoranthene

Concen: 3.574 ng

RT: 19.327 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

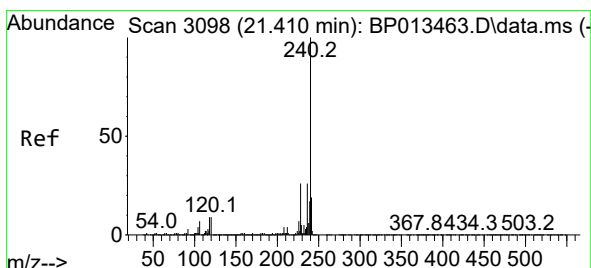
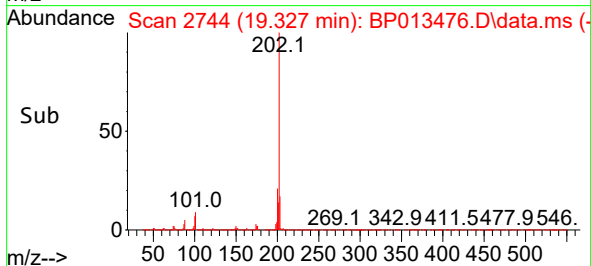
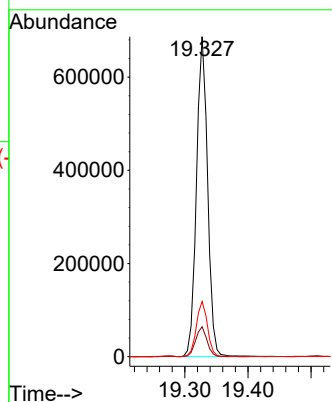
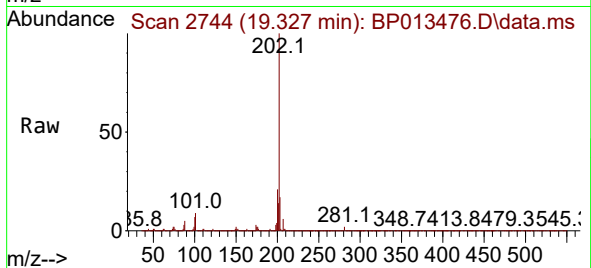
Tgt Ion:202 Resp: 839219

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.3

203 17.3 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3098

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

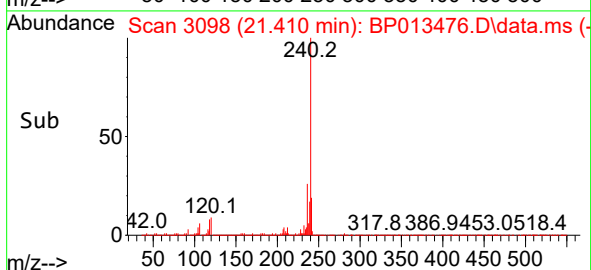
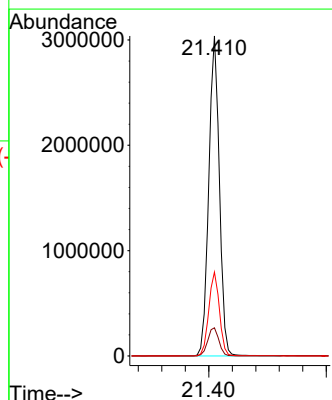
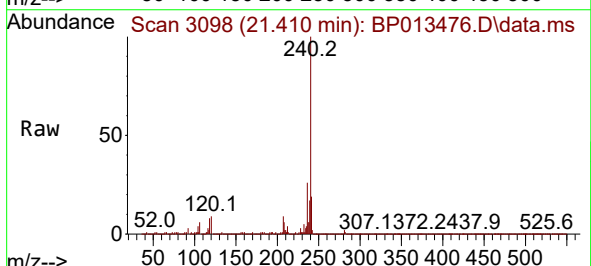
Tgt Ion:240 Resp: 3817855

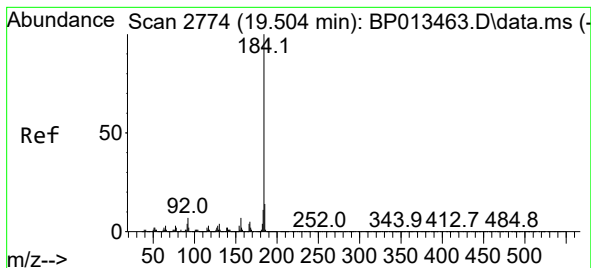
Ion Ratio Lower Upper

240 100

120 8.8 7.4 11.0

236 26.2 21.2 31.8





#77

Benzidine

Concen: 3.471 ng

RT: 19.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

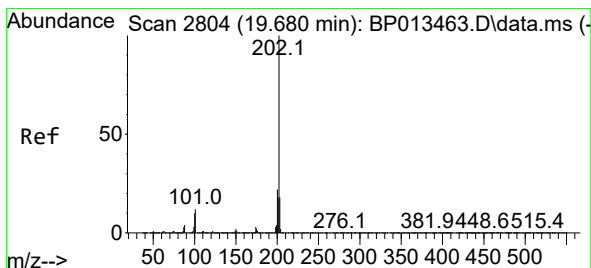
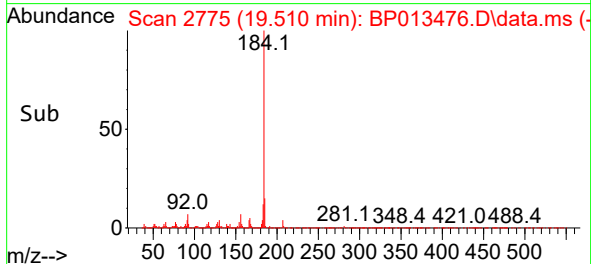
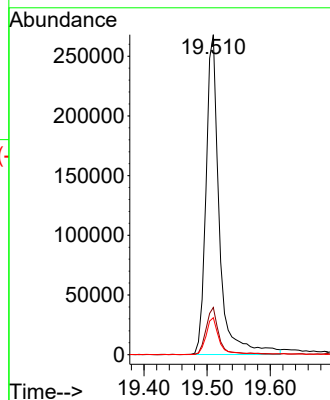
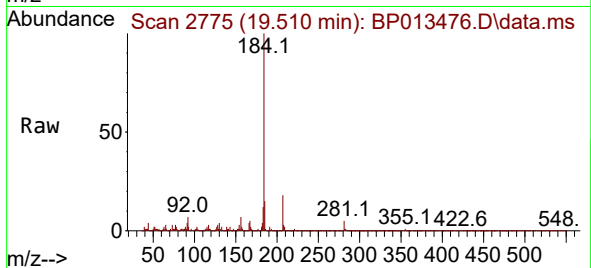
Tgt Ion:184 Resp: 393772

Ion Ratio Lower Upper

184 100

185 14.8 11.3 16.9

183 11.6 9.1 13.7



#78

Pyrene

Concen: 3.491 ng

RT: 19.680 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

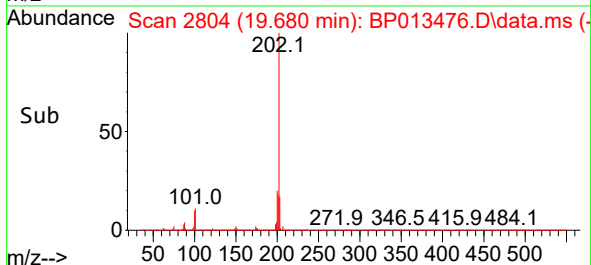
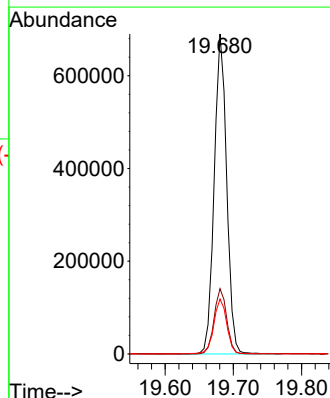
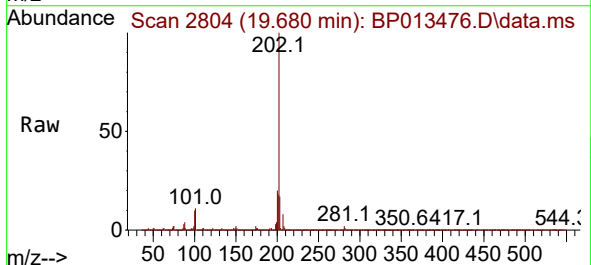
Tgt Ion:202 Resp: 876600

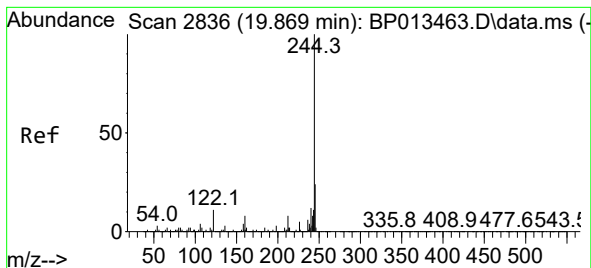
Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

203 17.2 14.6 21.8





#79

Terphenyl-d14

Concen: 63.979 ng

RT: 19.874 min Scan# 2837

Delta R.T. 0.005 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

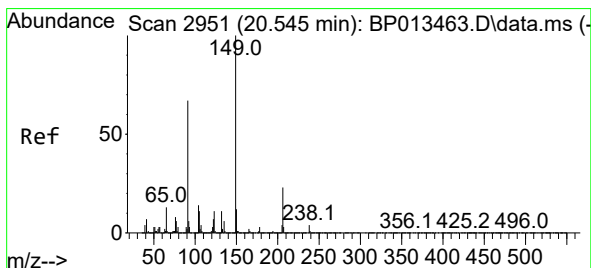
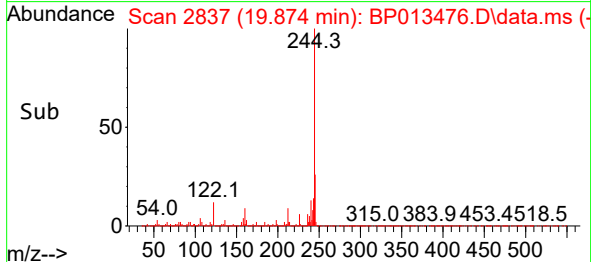
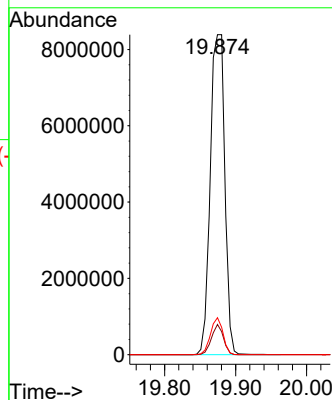
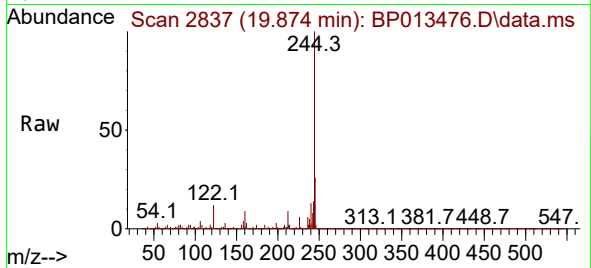
Tgt Ion:244 Resp:11947759

Ion Ratio Lower Upper

244 100

212 9.5 6.8 10.2

122 11.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 2.936 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

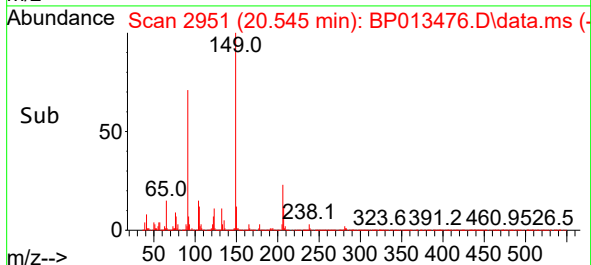
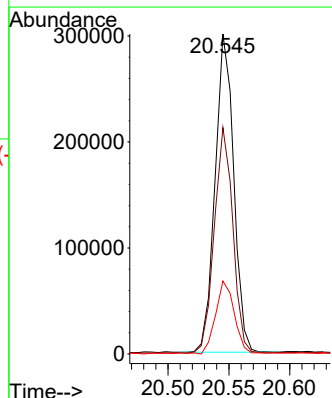
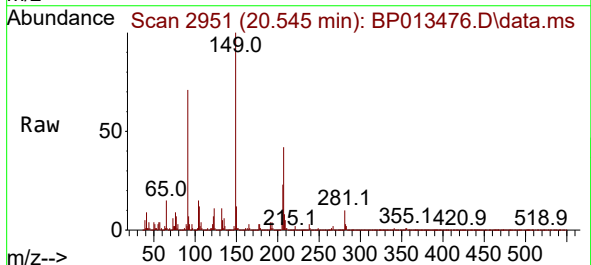
Tgt Ion:149 Resp: 318639

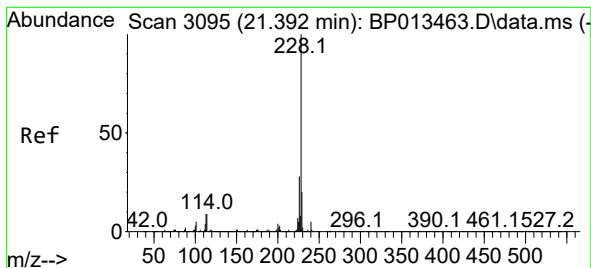
Ion Ratio Lower Upper

149 100

91 70.8 53.2 79.8

206 22.8 18.8 28.2





#81

Benzo(a)anthracene

Concen: 3.600 ng

RT: 21.392 min Scan# 3095

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

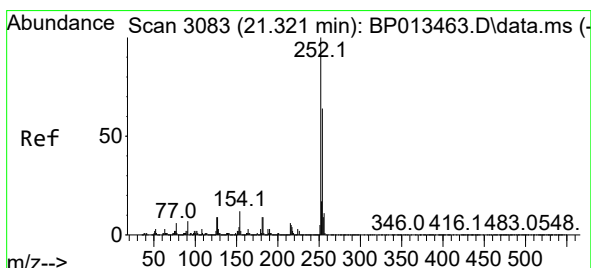
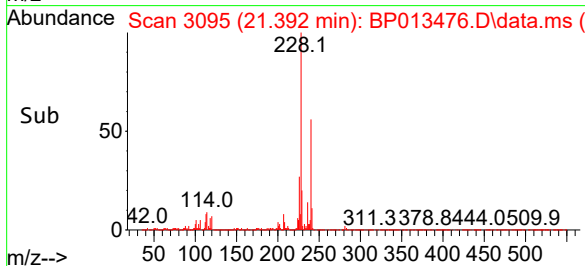
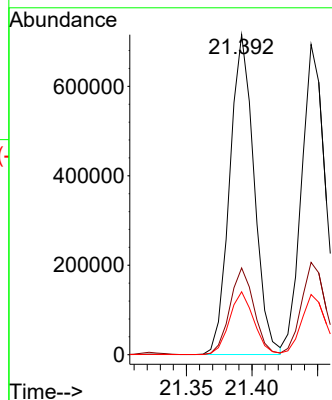
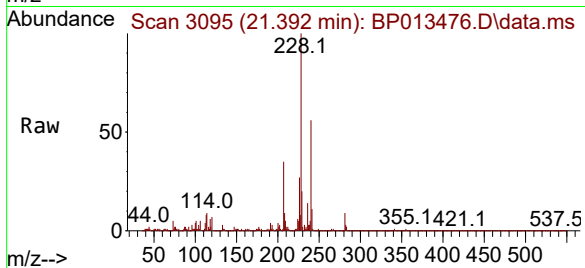
Tgt Ion:228 Resp: 925550

Ion Ratio Lower Upper

228 100

226 27.1 22.6 34.0

229 19.6 16.4 24.6



#82

3,3'-Dichlorobenzidine

Concen: 3.571 ng

RT: 21.321 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

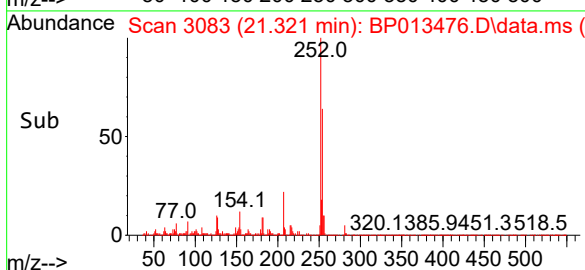
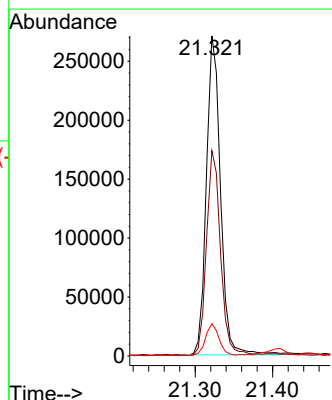
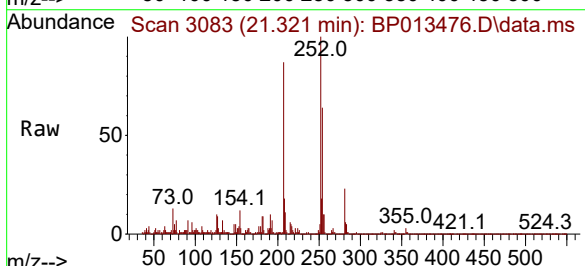
Tgt Ion:252 Resp: 343070

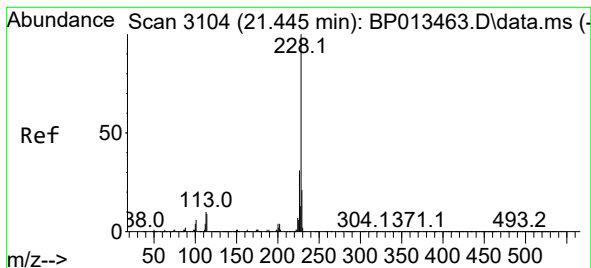
Ion Ratio Lower Upper

252 100

254 64.1 51.0 76.6

126 10.1 7.6 11.4





#83

Chrysene

Concen: 3.582 ng

RT: 21.445 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

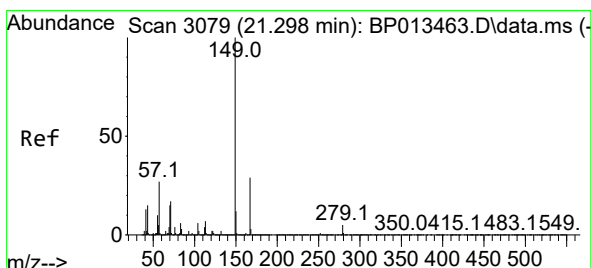
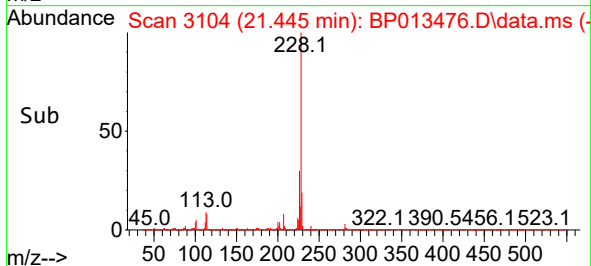
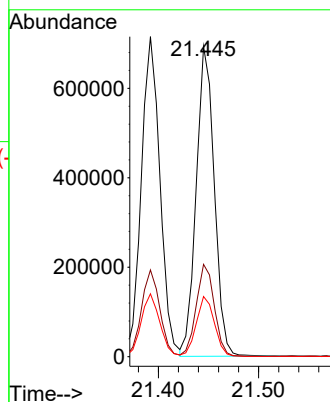
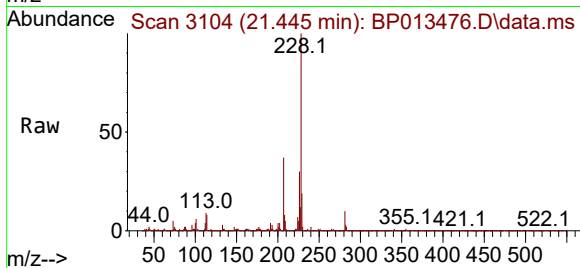
Tgt Ion:228 Resp: 870299

Ion Ratio Lower Upper

228 100

226 29.8 25.1 37.7

229 19.4 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.082 ng

RT: 21.304 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

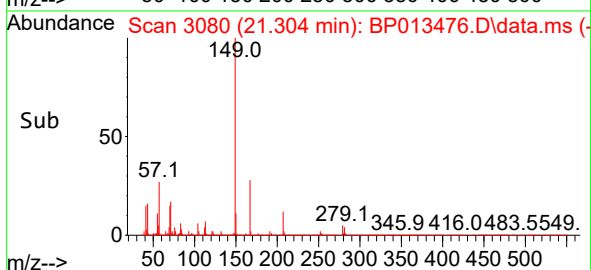
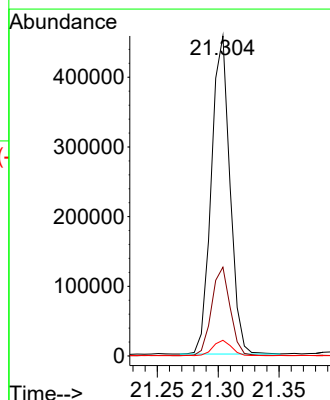
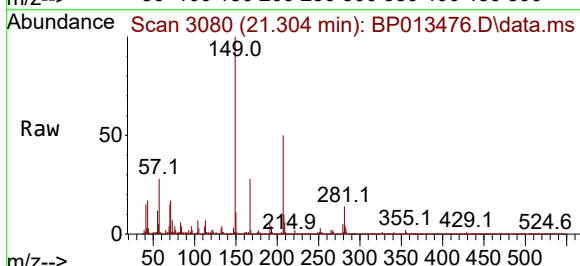
Tgt Ion:149 Resp: 484063

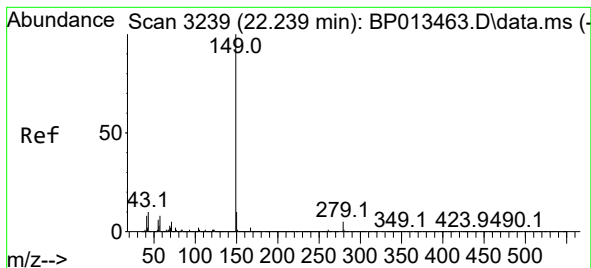
Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.4

279 4.9 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 3.168 ng

RT: 22.245 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

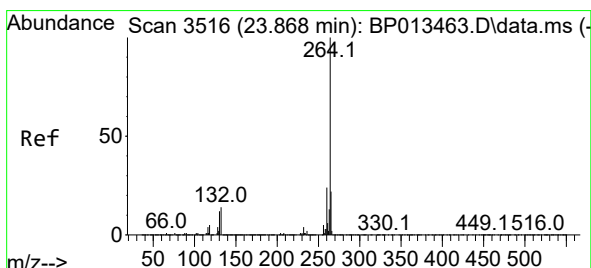
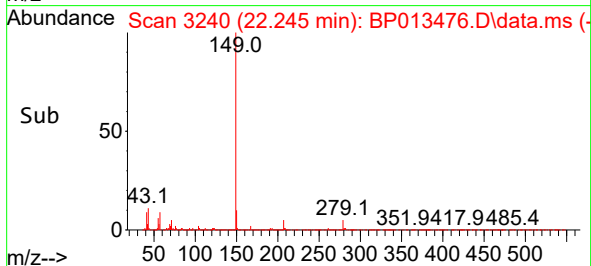
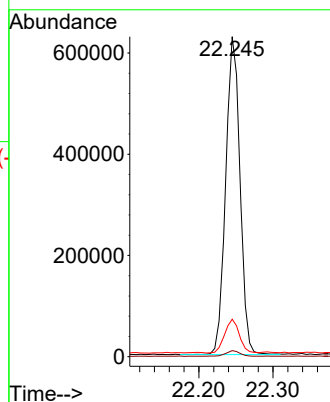
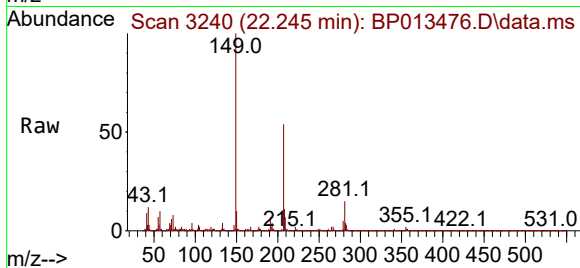
Tgt Ion:149 Resp: 844883

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.8 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.874 min Scan# 3517

Delta R.T. 0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

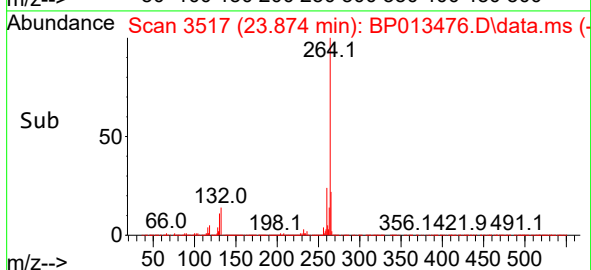
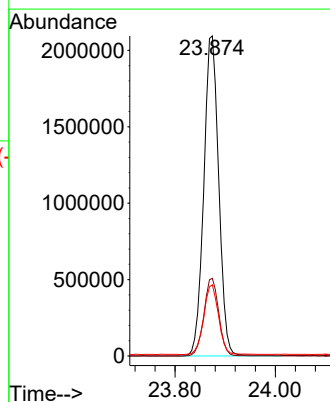
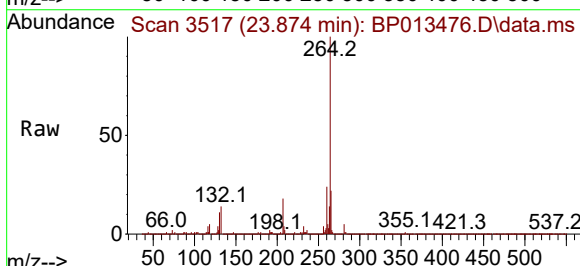
Tgt Ion:264 Resp: 4341580

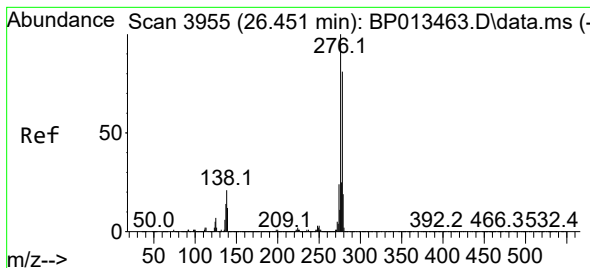
Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 22.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.140 ng

RT: 26.439 min Scan# 3953

Delta R.T. -0.012 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

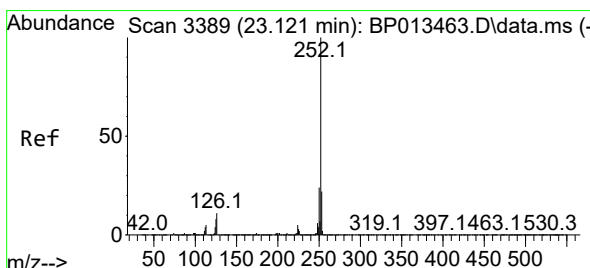
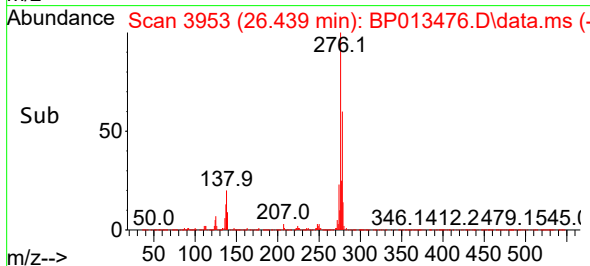
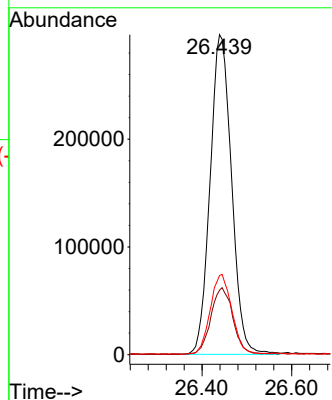
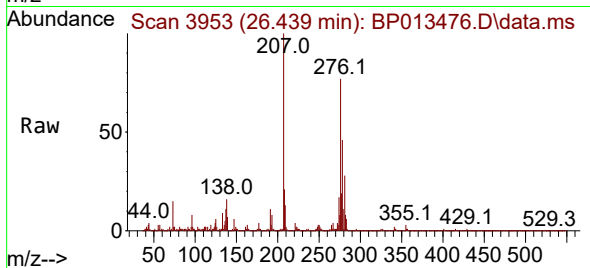
Tgt Ion:276 Resp: 985810

Ion Ratio Lower Upper

276 100

138 21.3 17.0 25.4

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 3.611 ng

RT: 23.115 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

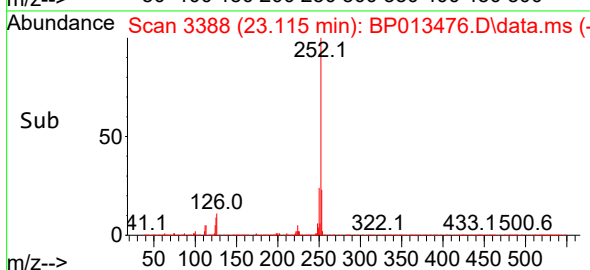
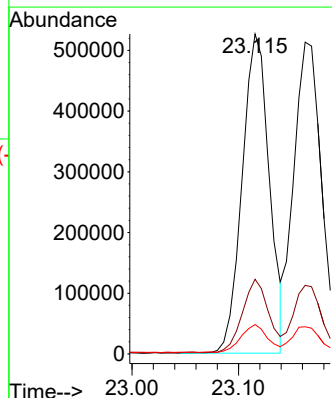
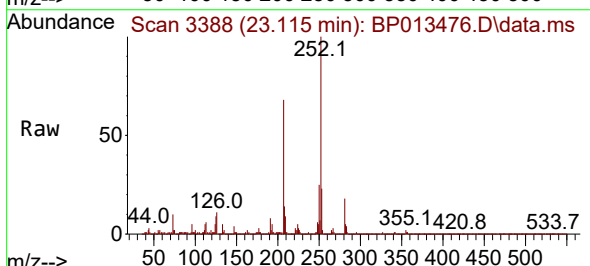
Tgt Ion:252 Resp: 930759

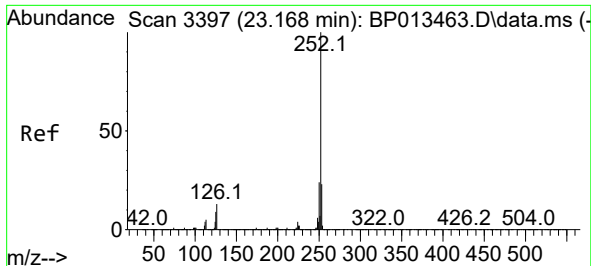
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 9.2 6.7 10.1

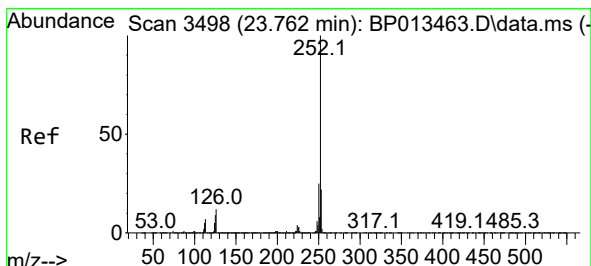
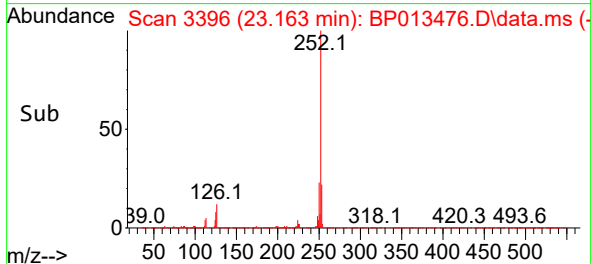
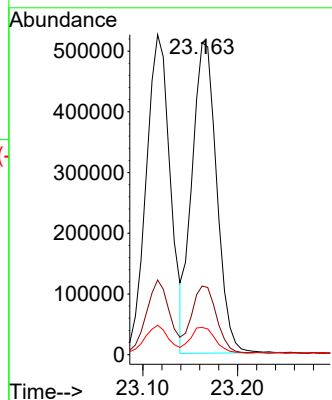
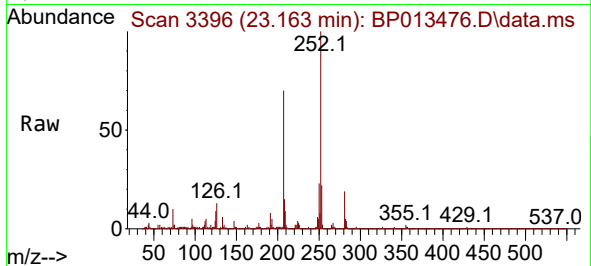




#89
Benzo(k)fluoranthene
Concen: 3.708 ng
RT: 23.163 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

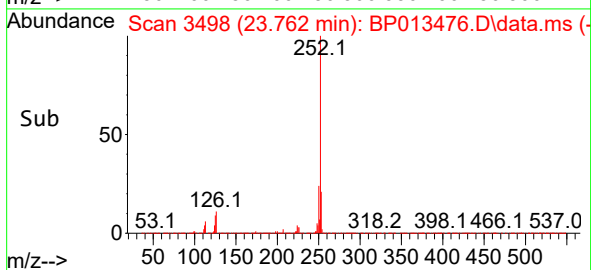
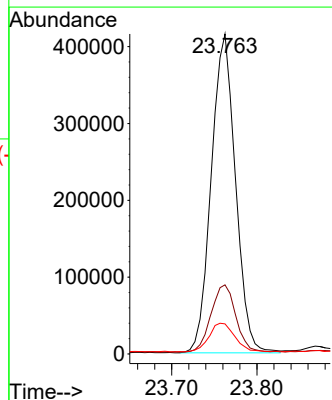
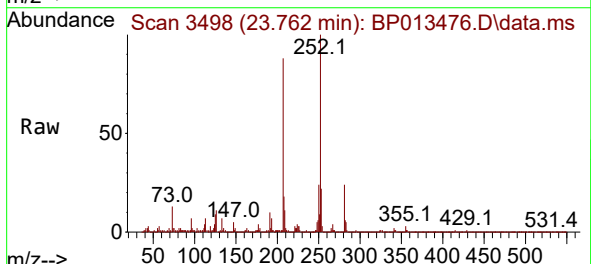
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

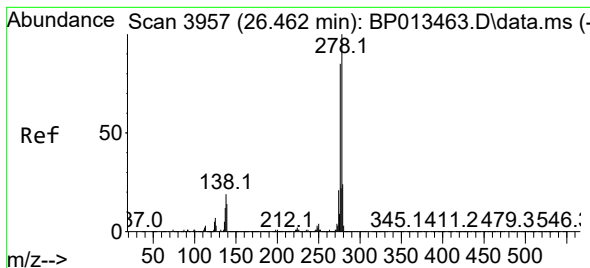
Tgt Ion:252 Resp: 927649
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 8.7 6.9 10.3



#90
Benzo(a)pyrene
Concen: 3.237 ng
RT: 23.762 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BP013476.D
Acq: 16 Jan 2023 11:26

Tgt Ion:252 Resp: 819828
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 9.4 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 3.242 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

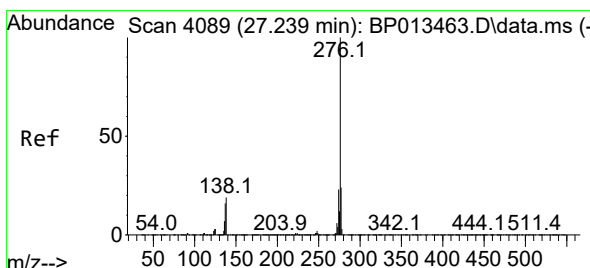
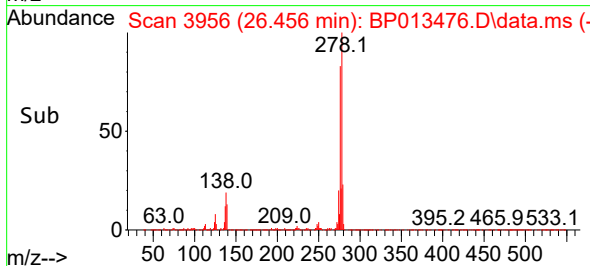
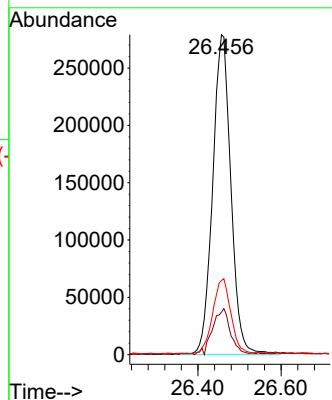
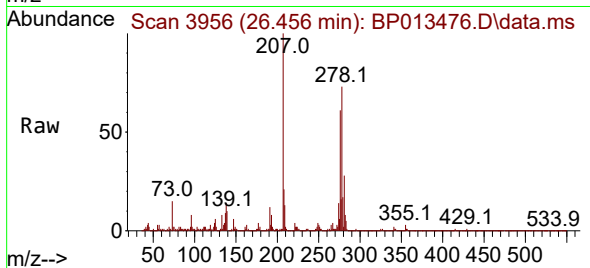
Tgt Ion:278 Resp: 847510

Ion Ratio Lower Upper

278 100

139 13.3 11.1 16.7

279 23.2 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.272 ng

RT: 27.233 min Scan# 4088

Delta R.T. -0.006 min

Lab File: BP013476.D

Acq: 16 Jan 2023 11:26

Tgt Ion:276 Resp: 844055

Ion Ratio Lower Upper

276 100

277 23.9 19.3 28.9

138 18.0 15.3 22.9

