

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019540.D
 Acq On : 02 Feb 2024 22:25
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 02 23:58:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	78027	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	325955	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	237535	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	528056	20.000	ng	0.00
76) Chrysene-d12	21.386	240	404239	20.000	ng	0.00
86) Perylene-d12	23.804	264	447374	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	622762	128.653	ng	0.00
7) Phenol-d6	7.081	99	846975	129.766	ng	0.00
23) Nitrobenzene-d5	9.081	82	580498	77.170	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	498123	143.627	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1438645	74.873	ng	0.00
79) Terphenyl-d14	19.869	244	2241517	91.190	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	7569	4.058	ng	97
3) Pyridine	3.793	79	18088	3.577	ng	98
4) n-Nitrosodimethylamine	3.717	42	8300	3.770	ng	# 84
6) Aniline	7.240	93	29993	4.729	ng	98
8) 2-Chlorophenol	7.469	128	18752	3.773	ng	97
9) Benzaldehyde	7.063	77	22036	4.815	ng	90
10) Phenol	7.105	94	25859	3.975	ng	88
11) bis(2-Chloroethyl)ether	7.346	93	19723	3.897	ng	93
12) 1,3-Dichlorobenzene	7.793	146	22952	3.774	ng	94
13) 1,4-Dichlorobenzene	7.946	146	23275	3.778	ng	93
14) 1,2-Dichlorobenzene	8.258	146	22431	3.763	ng	100
15) Benzyl Alcohol	8.158	79	21315	4.087	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.452	45	20673	4.085	ng	96
17) 2-Methylphenol	8.352	107	17361	3.964	ng	94
18) Hexachloroethane	8.981	117	8760	3.668	ng	95
19) n-Nitroso-di-n-propyla...	8.722	70	18480	4.145	ng	# 92
20) 3+4-Methylphenols	8.681	107	22655	3.790	ng	96
22) Acetophenone	8.740	105	38132	4.106	ng	# 96
24) Nitrobenzene	9.116	77	30178	3.984	ng	98
25) Isophorone	9.646	82	51312	3.917	ng	96
26) 2-Nitrophenol	9.828	139	9340	3.234	ng	95
27) 2,4-Dimethylphenol	9.887	122	16211	4.390	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	28785	3.883	ng	96
29) 2,4-Dichlorophenol	10.357	162	20957	3.754	ng	92
30) 1,2,4-Trichlorobenzene	10.569	180	24601	3.594	ng	98
31) Naphthalene	10.763	128	67514	3.777	ng	96
32) Benzoic acid	9.952	122	8387	2.331	ng	92
33) 4-Chloroaniline	10.881	127	27502	4.160	ng	98
34) Hexachlorobutadiene	11.040	225	17830	3.515	ng	97
35) Caprolactam	11.646	113	5778	3.656	ng	# 80
36) 4-Chloro-3-methylphenol	11.993	107	22956	3.772	ng	99
37) 2-Methylnaphthalene	12.369	142	47664	3.853	ng	100
38) 1-Methylnaphthalene	12.587	142	47489	3.906	ng	95
40) 1,2,4,5-Tetrachloroben...	12.728	216	32491	3.547	ng	100
41) Hexachlorocyclopentadiene	12.704	237	17111	4.135	ng	97
43) 2,4,6-Trichlorophenol	12.975	196	18527	3.340	ng	96

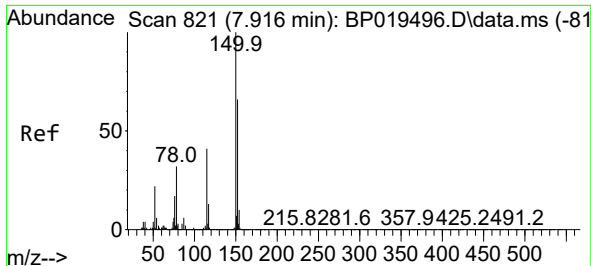
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019540.D
 Acq On : 02 Feb 2024 22:25
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 02 23:58:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	21153	3.473	ng	98
46) 1,1'-Biphenyl	13.381	154	70321	3.709	ng	97
47) 2-Chloronaphthalene	13.422	162	54324	3.491	ng	97
48) 2-Nitroaniline	13.634	65	14393	3.307	ng	93
49) Acenaphthylene	14.263	152	85850	3.932	ng	99
50) Dimethylphthalate	14.010	163	70545	3.880	ng	99
51) 2,6-Dinitrotoluene	14.134	165	14280	3.574	ng	96
52) Acenaphthene	14.604	154	50130	3.699	ng	94
53) 3-Nitroaniline	14.457	138	13068	3.559	ng #	94
54) 2,4-Dinitrophenol	14.663	184	5579	2.690	ng	92
55) Dibenzofuran	14.940	168	85570	3.877	ng	96
56) 4-Nitrophenol	14.757	139	8880	2.951	ng	97
57) 2,4-Dinitrotoluene	14.916	165	17034	3.254	ng	93
58) Fluorene	15.592	166	67063	3.815	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.163	232	19656	3.836	ng	97
60) Diethylphthalate	15.375	149	68017	3.761	ng	99
61) 4-Chlorophenyl-phenylether	15.592	204	38201	3.866	ng	98
62) 4-Nitroaniline	15.616	138	12851	3.339	ng	97
63) Azobenzene	15.887	77	64551	3.691	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	8158	2.709	ng	92
66) n-Nitrosodiphenylamine	15.810	169	58473	3.697	ng	97
67) 4-Bromophenyl-phenylether	16.492	248	23438	3.550	ng	98
68) Hexachlorobenzene	16.587	284	27808	3.607	ng	95
69) Atrazine	16.769	200	22469	4.282	ng	98
70) Pentachlorophenol	16.939	266	13373	2.786	ng	97
71) Phenanthrene	17.339	178	108112	3.890	ng	98
72) Anthracene	17.428	178	105848	3.818	ng	99
73) Carbazole	17.704	167	89077	3.537	ng	99
74) Di-n-butylphthalate	18.269	149	100187	3.290	ng	99
75) Fluoranthene	19.304	202	117604	3.464	ng	98
77) Benzidine	19.492	184	44412	5.255	ng	97
78) Pyrene	19.657	202	118512	4.154	ng	100
80) Butylbenzylphthalate	20.551	149	33896	3.181	ng	97
81) Benzo(a)anthracene	21.369	228	107009	3.761	ng	100
82) 3,3'-Dichlorobenzidine	21.310	252	36746	3.544	ng	98
83) Chrysene	21.422	228	98669	3.652	ng	98
84) Bis(2-ethylhexyl)phtha...	21.322	149	46603	2.873	ng	99
85) Di-n-octyl phthalate	22.263	149	72599	2.543	ng #	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	122960	3.591	ng	99
88) Benzo(b)fluoranthene	23.063	252	96978	3.439	ng	98
89) Benzo(k)fluoranthene	23.110	252	97794	3.631	ng	97
90) Benzo(a)pyrene	23.692	252	86322	3.441	ng #	97
91) Dibenzo(a,h)anthracene	26.345	278	102562	3.641	ng	96
92) Benzo(g,h,i)perylene	27.086	276	98112	3.434	ng	98

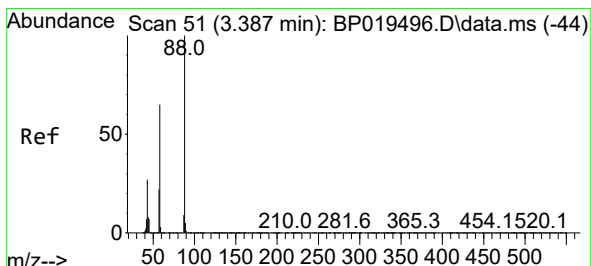
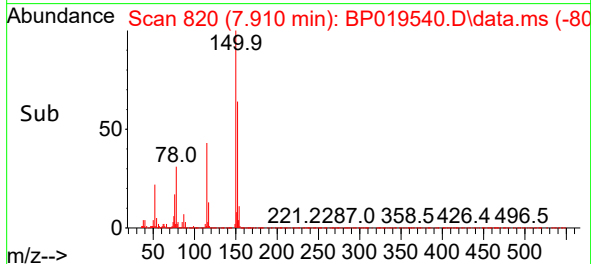
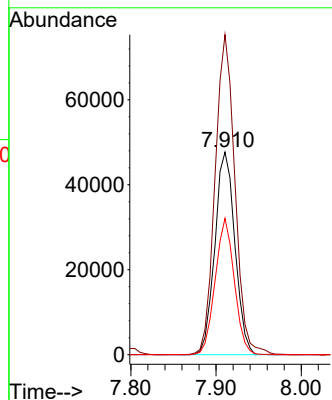
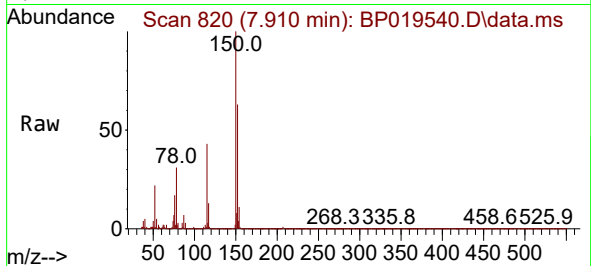
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

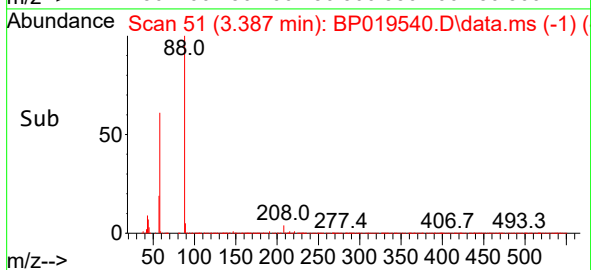
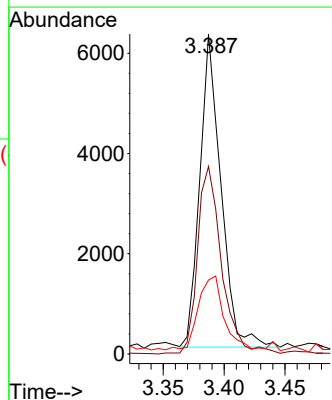
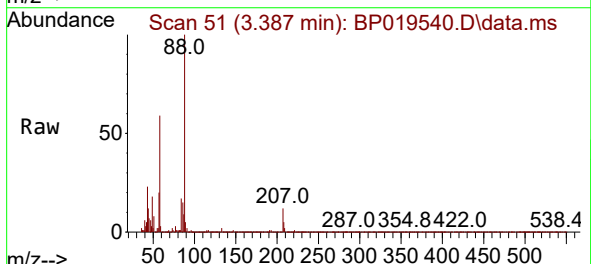
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

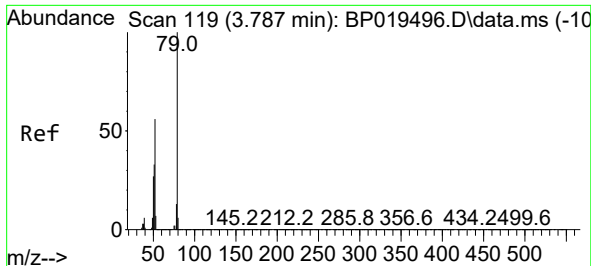
Tgt Ion:152 Resp: 78027
Ion Ratio Lower Upper
152 100
150 158.0 121.8 182.8
115 67.3 49.9 74.9



#2
1,4-Dioxane
Concen: 4.058 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 88 Resp: 7569
Ion Ratio Lower Upper
88 100
58 68.0 52.6 78.8
43 28.3 21.9 32.9





#3

Pyridine

Concen: 3.577 ng

RT: 3.793 min Scan# 119

Delta R.T. 0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

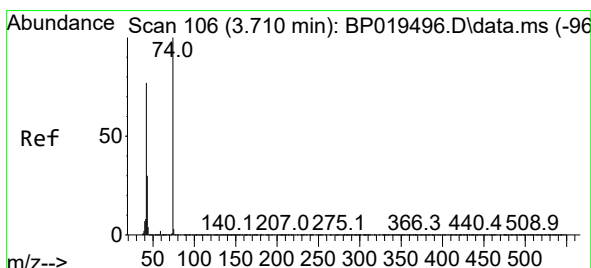
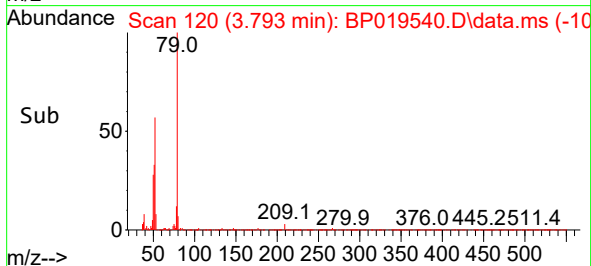
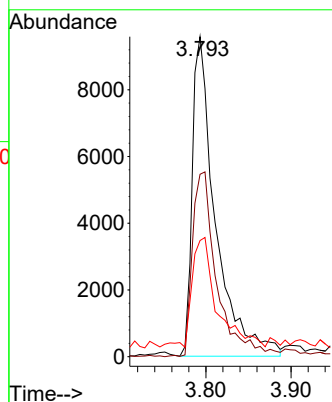
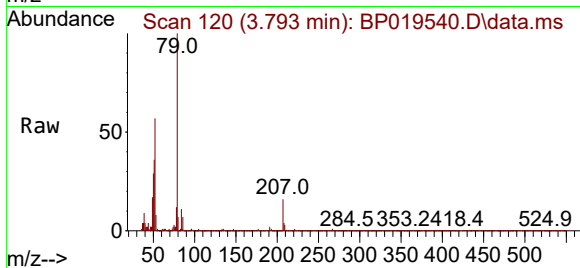
Tgt Ion: 79 Resp: 18088

Ion Ratio Lower Upper

79 100

52 57.0 45.0 67.6

51 36.3 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 3.770 ng

RT: 3.717 min Scan# 107

Delta R.T. 0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

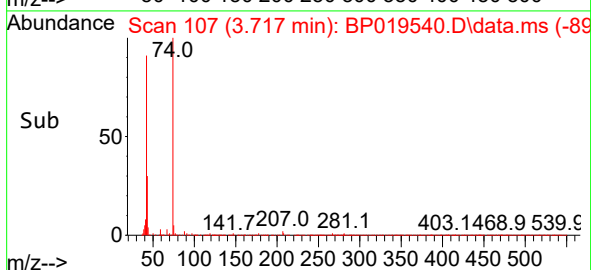
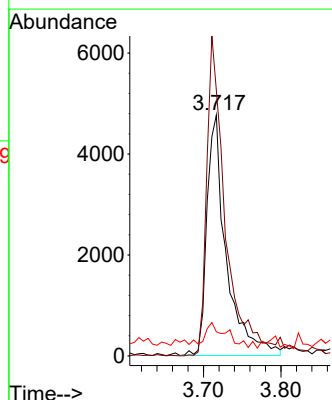
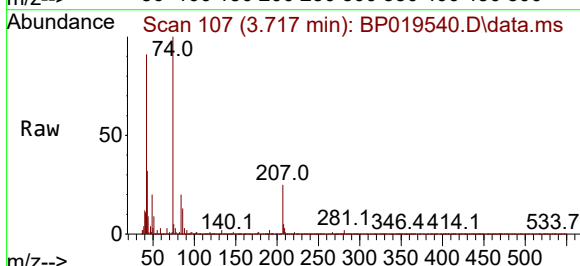
Tgt Ion: 42 Resp: 8300

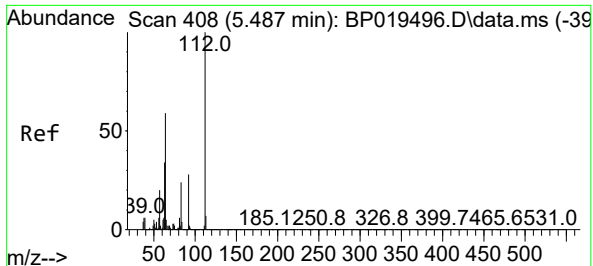
Ion Ratio Lower Upper

42 100

74 110.1 103.4 155.2

44 10.1 4.8 7.2#

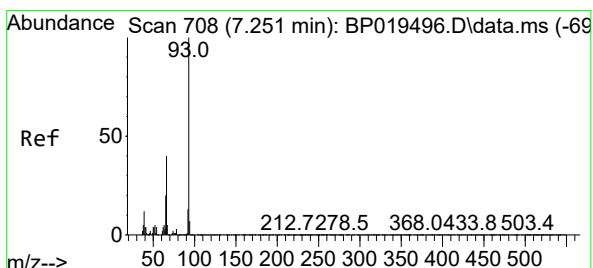
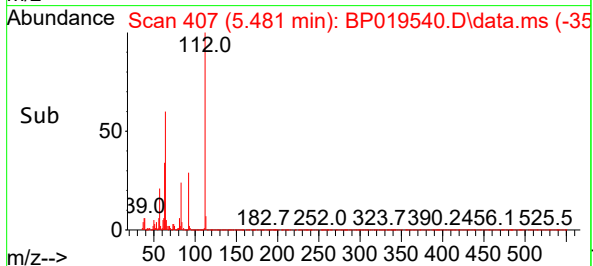
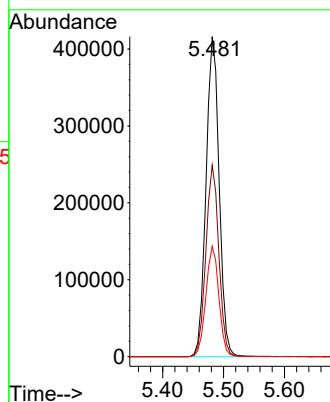
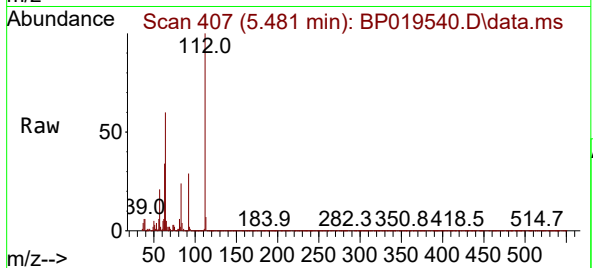




#5
2-Fluorophenol
Concen: 128.653 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

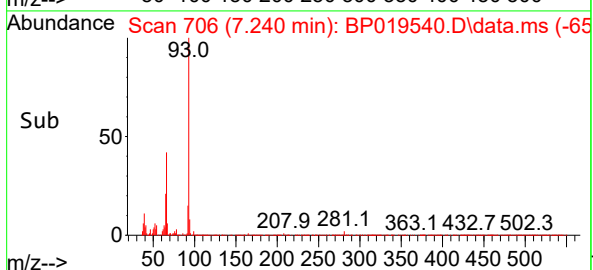
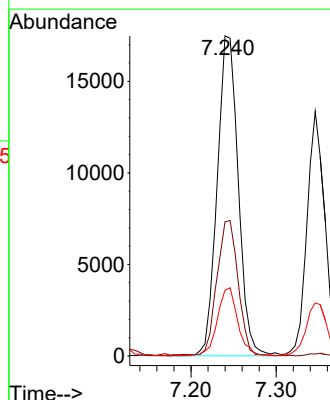
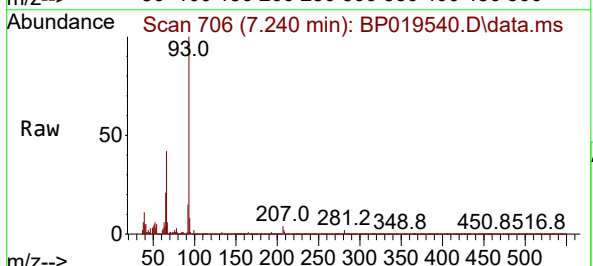
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

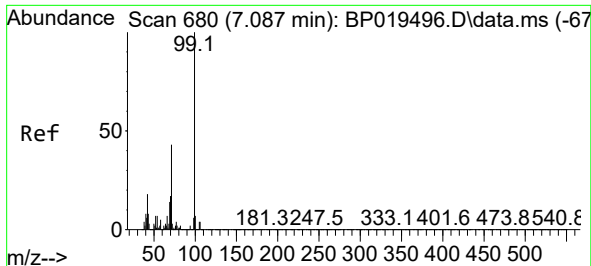
Tgt Ion:112 Resp: 622762
Ion Ratio Lower Upper
112 100
64 59.9 47.4 71.0
63 34.5 27.0 40.6



#6
Aniline
Concen: 4.729 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 93 Resp: 29993
Ion Ratio Lower Upper
93 100
66 42.0 32.3 48.5
65 20.5 16.4 24.6





#7

Phenol-d6

Concen: 129.766 ng

RT: 7.081 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

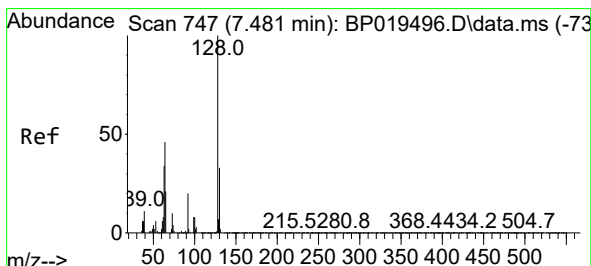
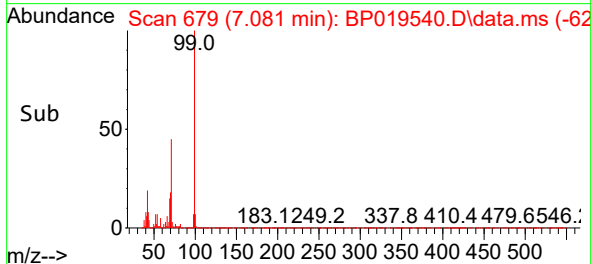
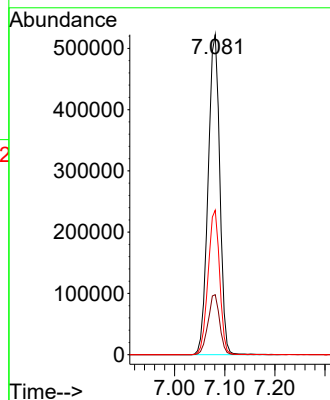
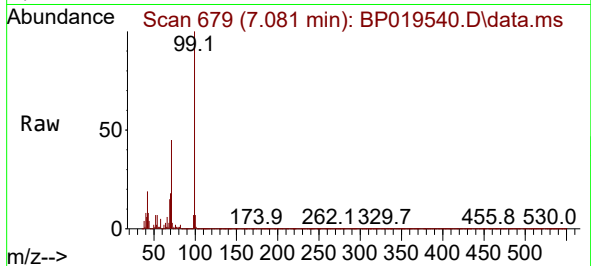
Tgt Ion: 99 Resp: 846975

Ion Ratio Lower Upper

99 100

42 18.8 14.7 22.1

71 45.1 34.8 52.2



#8

2-Chlorophenol

Concen: 3.773 ng

RT: 7.469 min Scan# 745

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

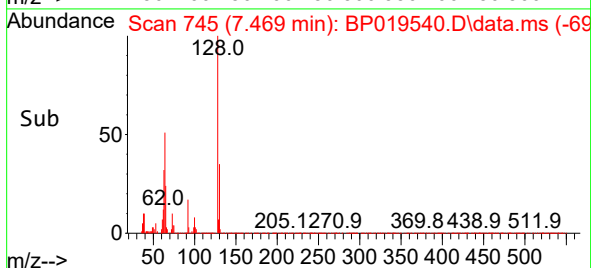
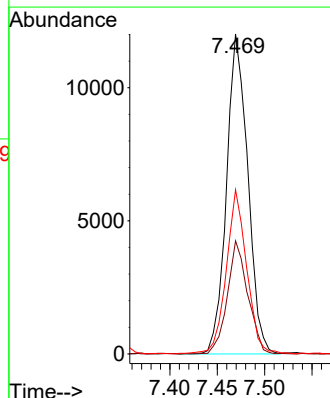
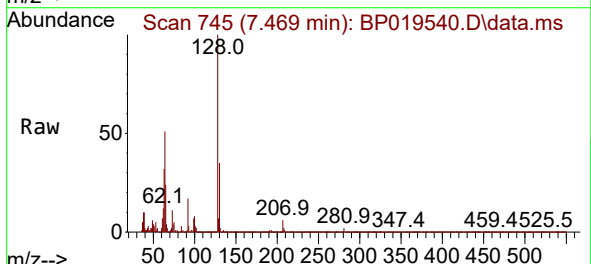
Tgt Ion:128 Resp: 18752

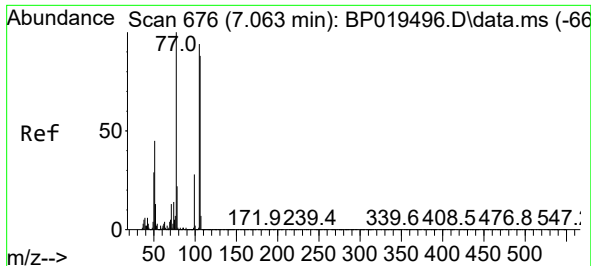
Ion Ratio Lower Upper

128 100

130 35.4 13.3 53.3

64 51.3 29.7 69.7

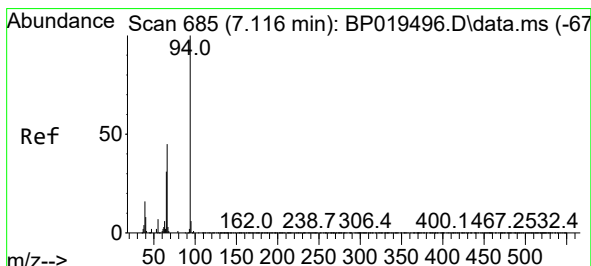
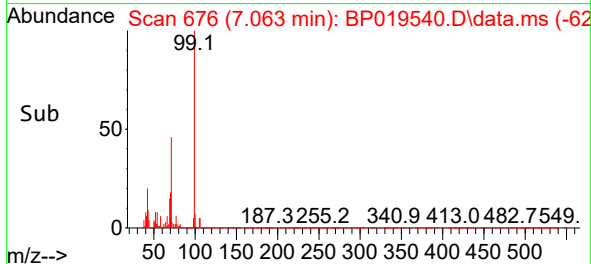
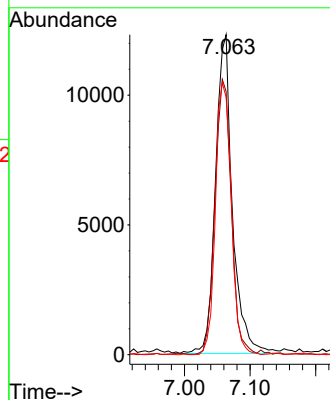
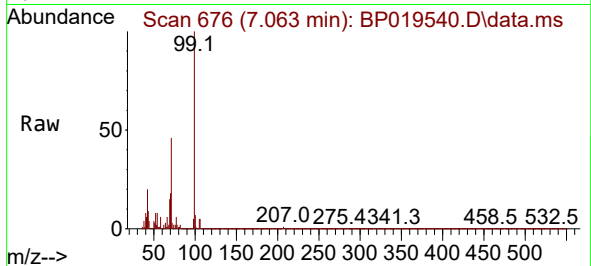




#9
Benzaldehyde
Concen: 4.815 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

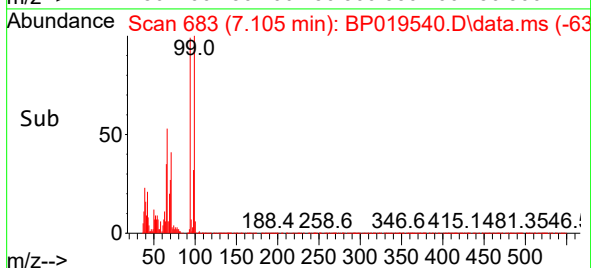
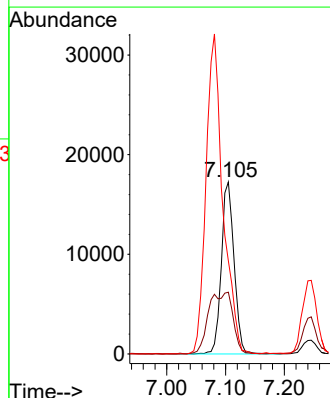
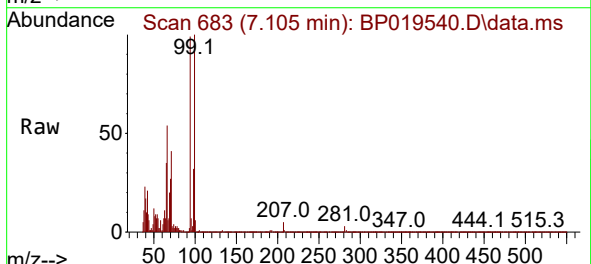
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

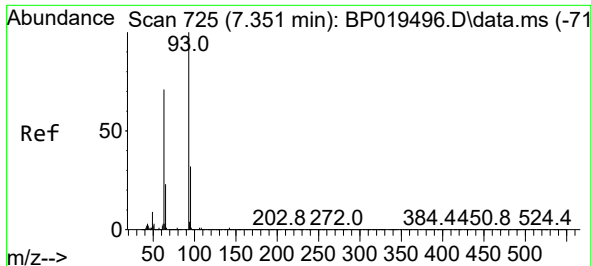
Tgt Ion: 77 Resp: 22036
Ion Ratio Lower Upper
77 100
105 82.3 74.0 114.0
106 80.4 67.8 107.8



#10
Phenol
Concen: 3.975 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 94 Resp: 25859
Ion Ratio Lower Upper
94 100
65 35.9 11.3 51.3
66 54.2 25.1 65.1

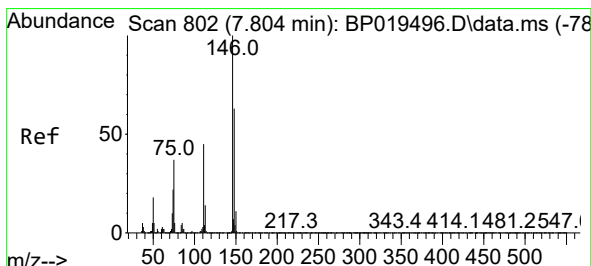
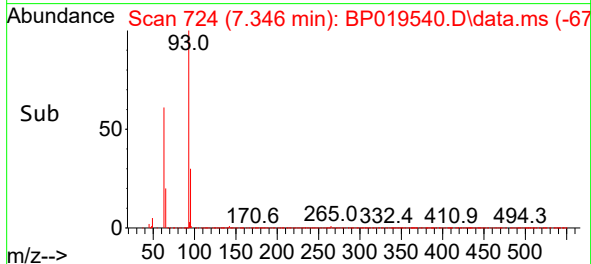
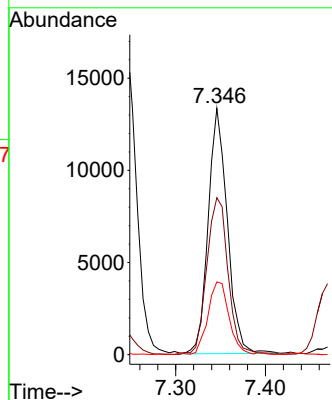
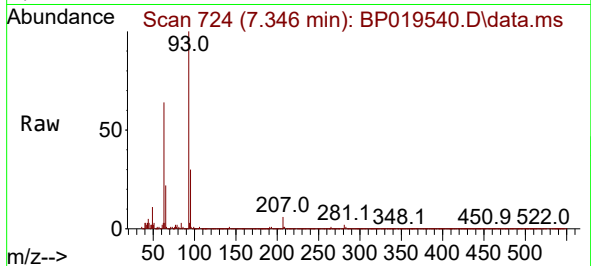




#11
bis(2-Chloroethyl)ether
Concen: 3.897 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

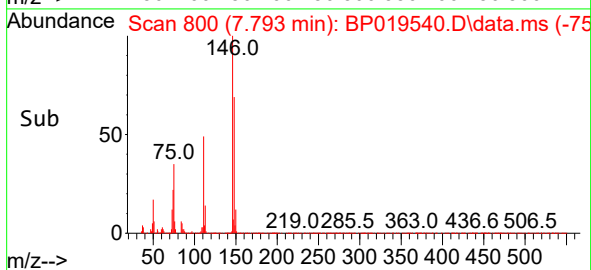
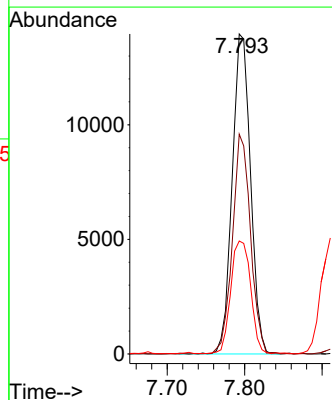
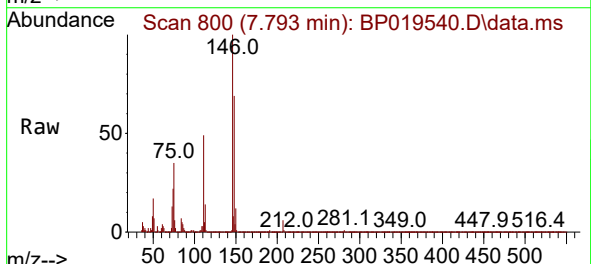
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

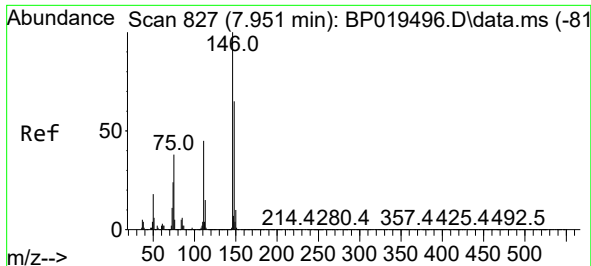
Tgt Ion: 93 Resp: 19723
Ion Ratio Lower Upper
93 100
63 63.7 51.2 91.2
95 29.5 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 3.774 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 146 Resp: 22952
Ion Ratio Lower Upper
146 100
148 68.7 50.4 75.6
75 35.3 29.9 44.9

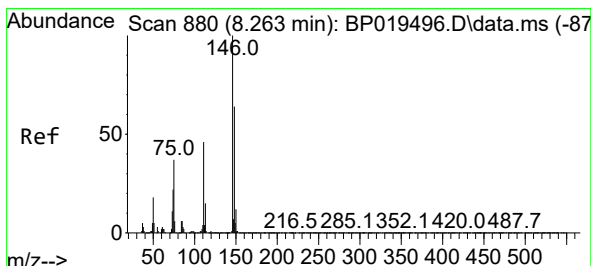
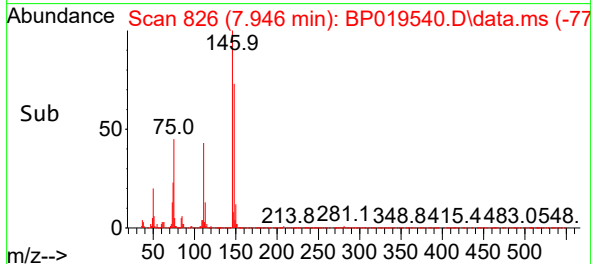
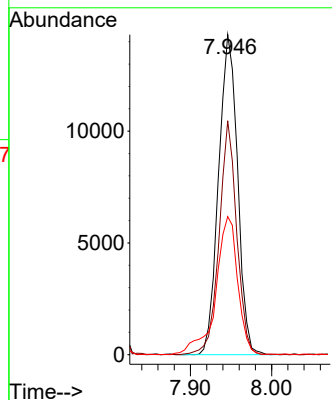
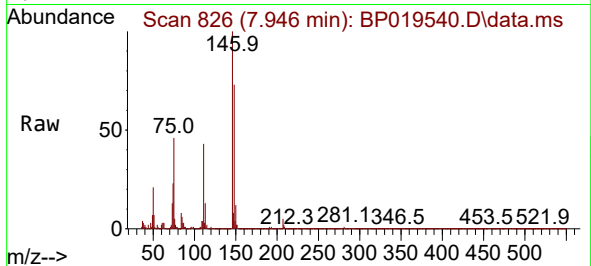




#13
1,4-Dichlorobenzene
Concen: 3.778 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

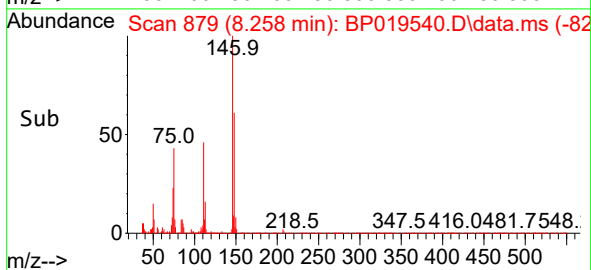
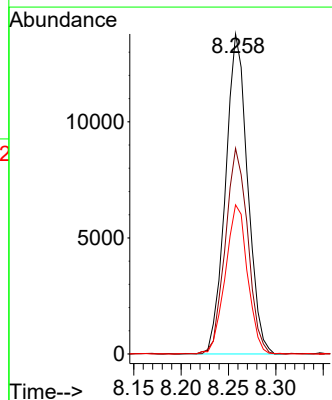
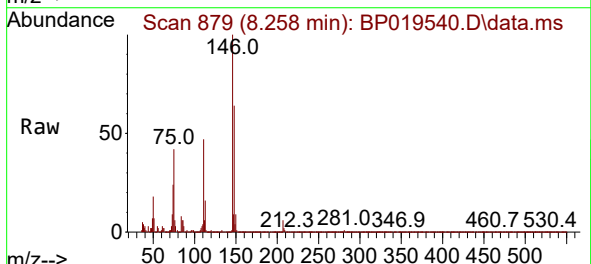
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

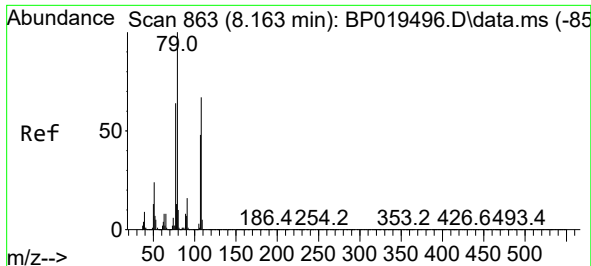
Tgt Ion:146 Resp: 23275
Ion Ratio Lower Upper
146 100
148 73.1 51.9 77.9
111 43.2 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 3.763 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:146 Resp: 22431
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.0
111 46.6 37.0 55.6

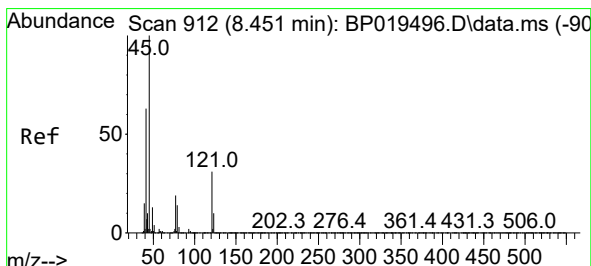
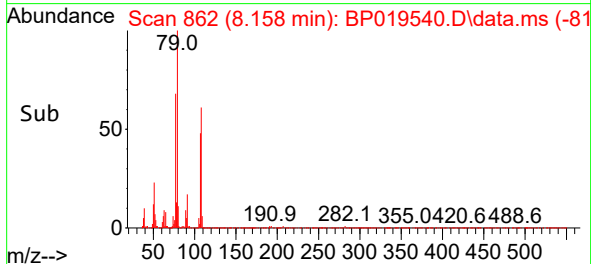
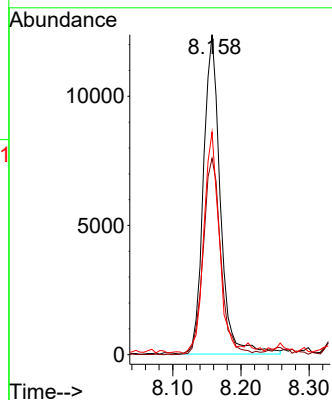
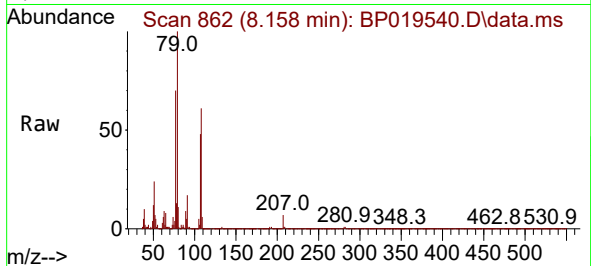




#15
Benzyl Alcohol
Concen: 4.087 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

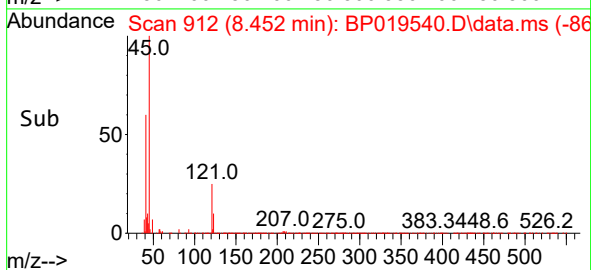
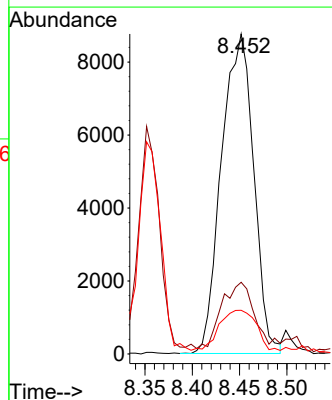
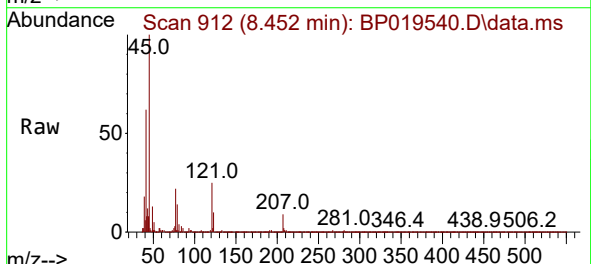
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

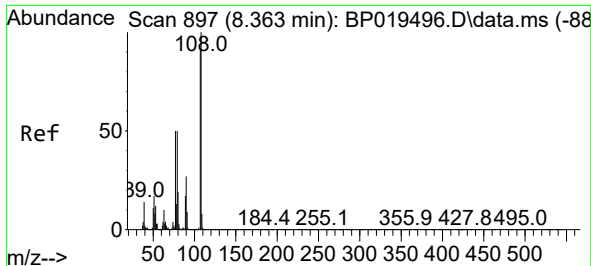
Tgt Ion: 79 Resp: 21315
Ion Ratio Lower Upper
79 100
108 61.4 53.8 80.6
77 69.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.085 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 45 Resp: 20673
Ion Ratio Lower Upper
45 100
77 22.4 0.8 40.8
79 13.6 0.0 35.5

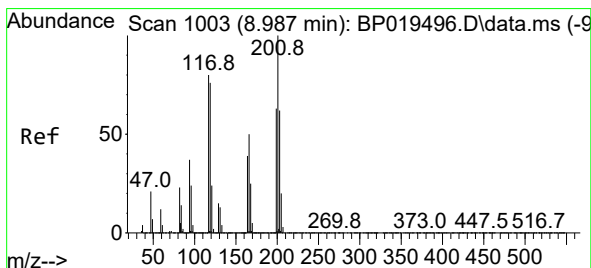
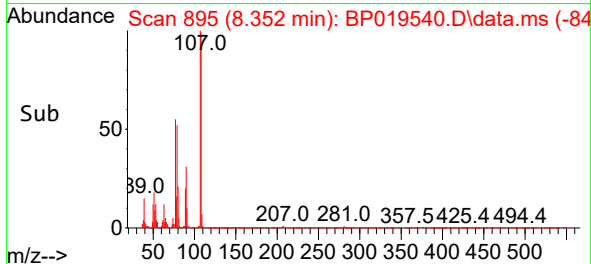
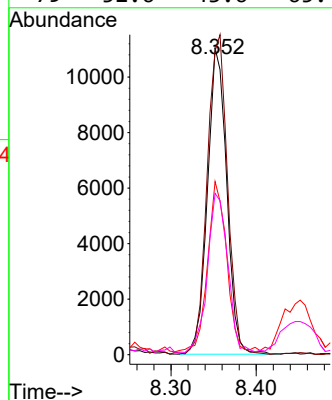
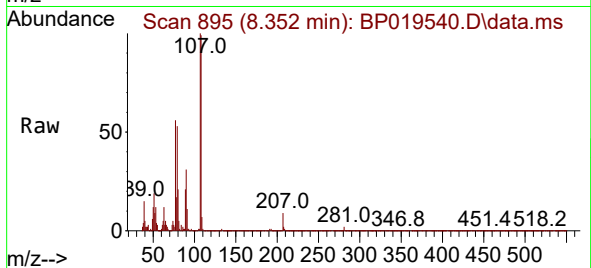




#17
2-Methylphenol
Concen: 3.964 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

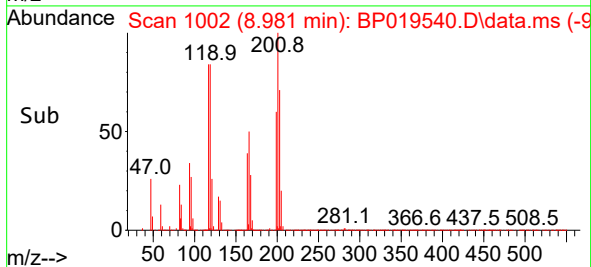
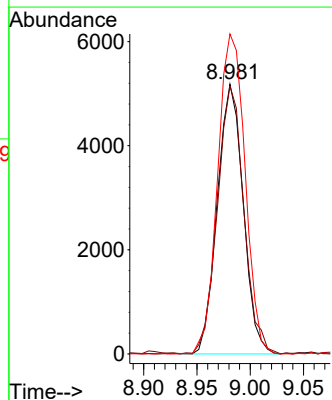
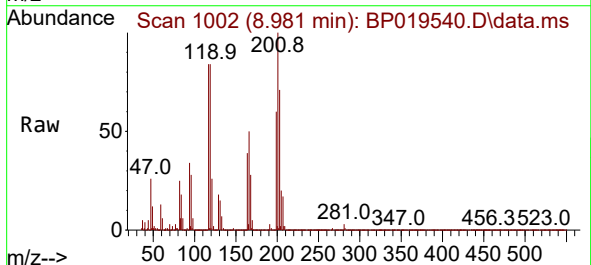
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

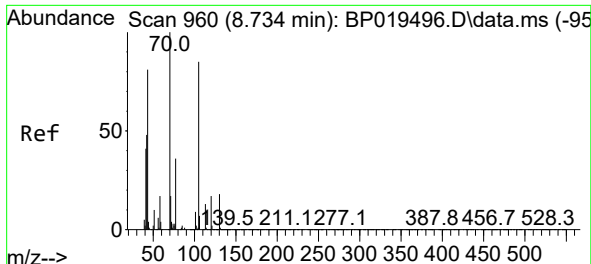
Tgt Ion:	107	Resp:	17361
Ion	Ratio	Lower	Upper
107	100		
108	99.0	87.0	130.6
77	56.5	43.5	65.3
79	52.6	43.6	65.4



#18
Hexachloroethane
Concen: 3.668 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:	117	Resp:	8760
Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.5	113.3
201	118.6	99.4	149.2

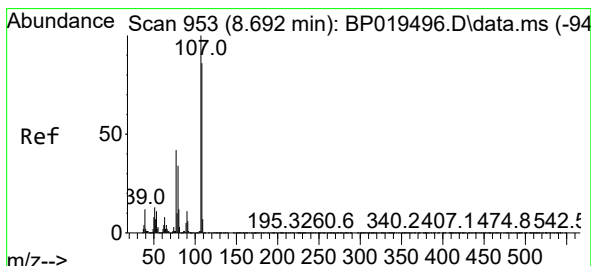
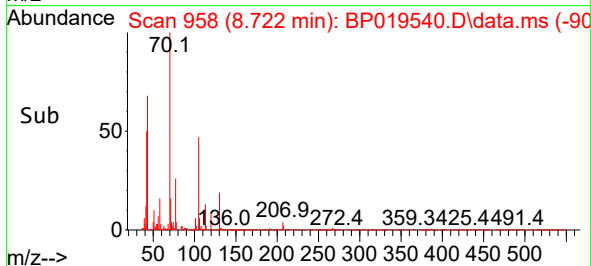
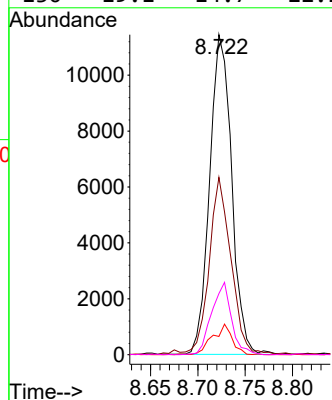
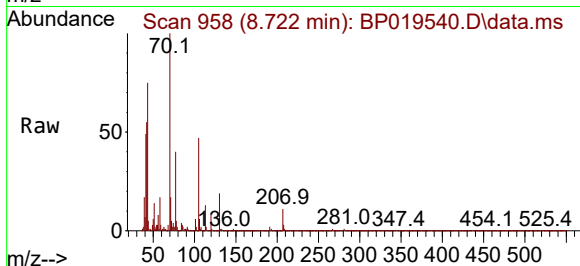




#19
n-Nitroso-di-n-propylamine
Concen: 4.145 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

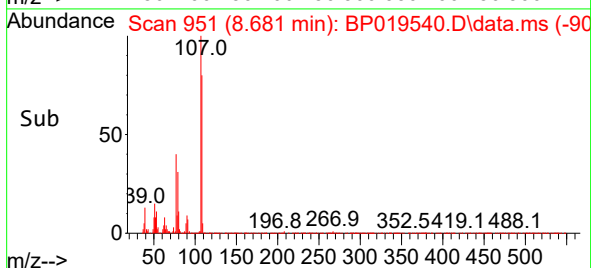
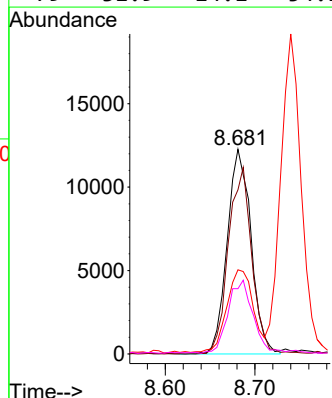
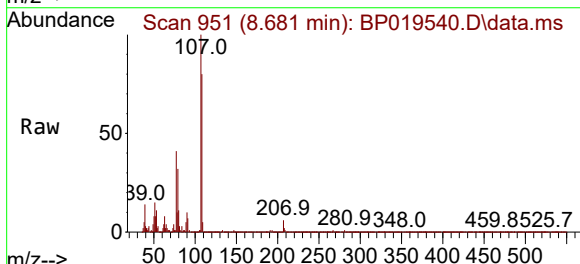
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

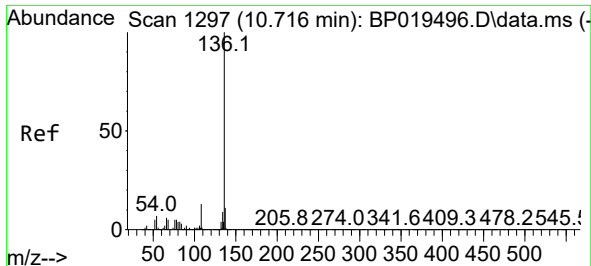
Tgt Ion:	70	Resp:	18480
Ion	Ratio	Lower	Upper
70	100		
42	55.4	39.2	58.8
101	5.7	7.3	10.9#
130	19.1	14.7	22.1



#20
3+4-Methylphenols
Concen: 3.790 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:	107	Resp:	22655
Ion	Ratio	Lower	Upper
107	100		
108	80.2	65.5	105.5
77	41.1	21.8	61.8
79	31.9	14.1	54.1

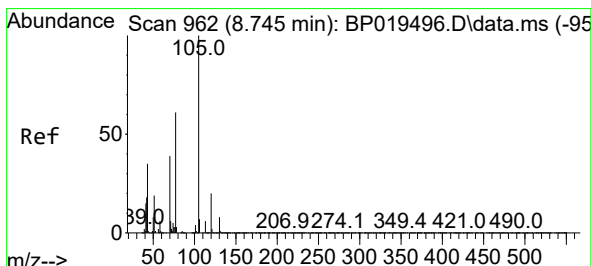
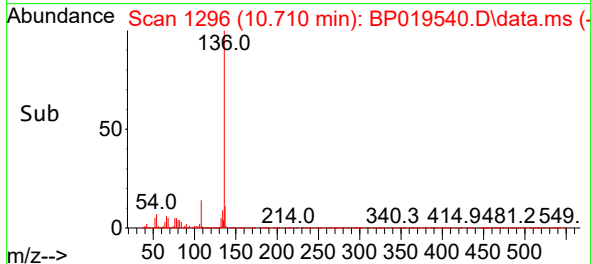
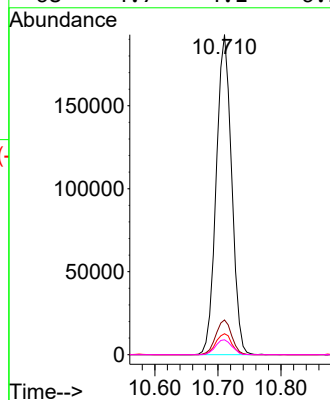
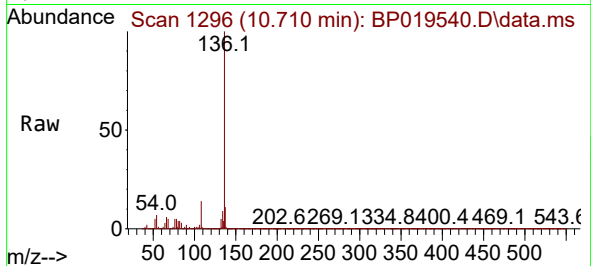




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

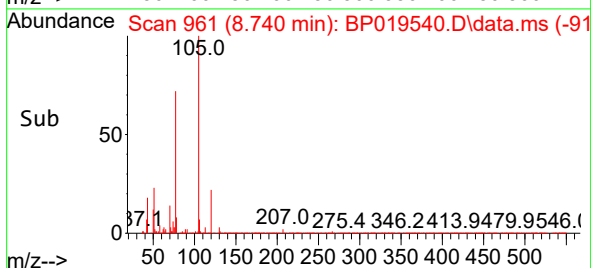
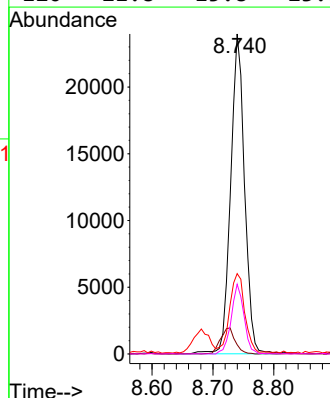
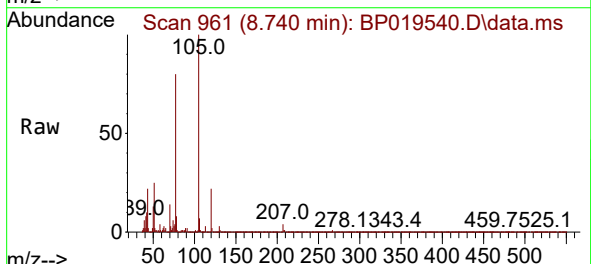
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

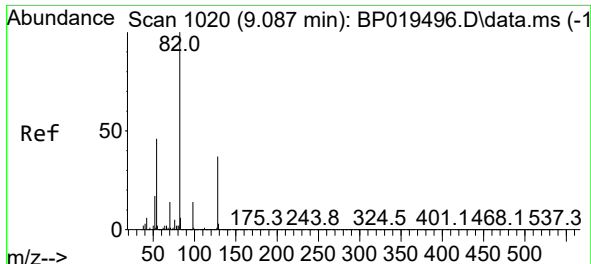
Tgt Ion:	136	Resp:	325955
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.3	7.9
68	4.7	4.1	6.1



#22
Acetophenone
Concen: 4.106 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:	105	Resp:	38132
Ion	Ratio	Lower	Upper
105	100		
71	2.9	4.9	7.3#
51	25.1	20.7	31.1
120	21.8	15.8	23.8





#23

Nitrobenzene-d5

Concen: 77.170 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

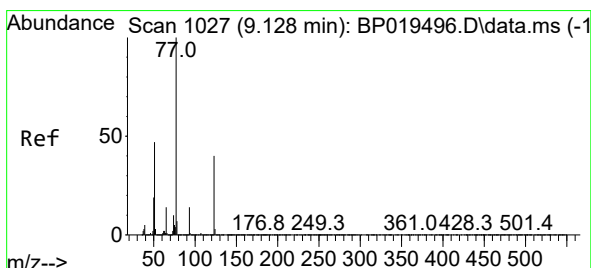
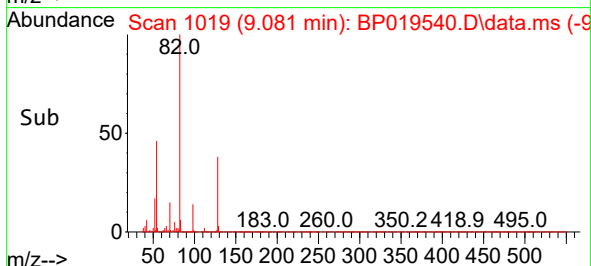
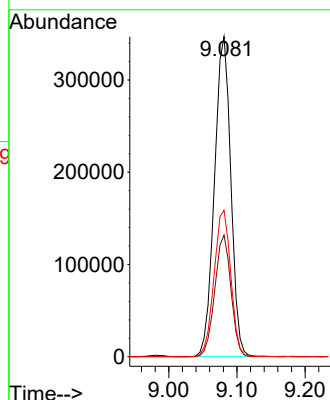
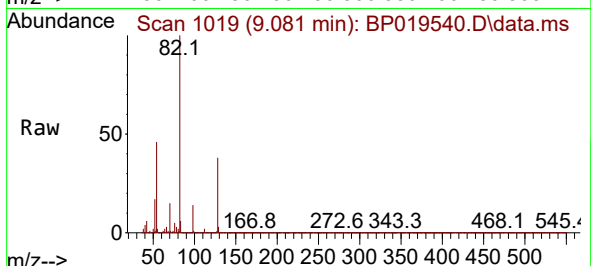
Tgt Ion: 82 Resp: 580498

Ion Ratio Lower Upper

82 100

128 38.0 29.7 44.5

54 45.8 36.8 55.2



#24

Nitrobenzene

Concen: 3.984 ng

RT: 9.116 min Scan# 1025

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

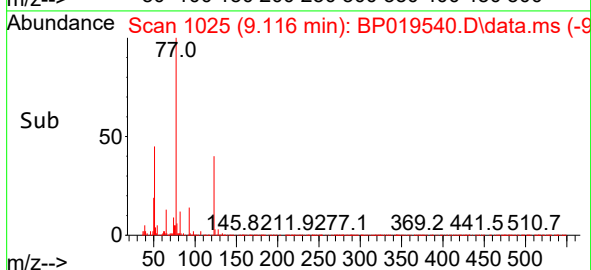
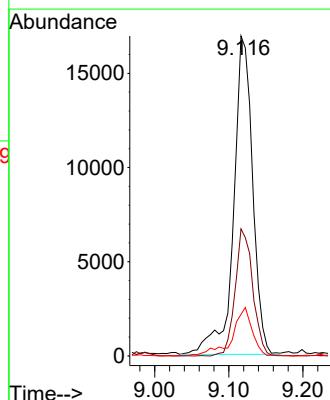
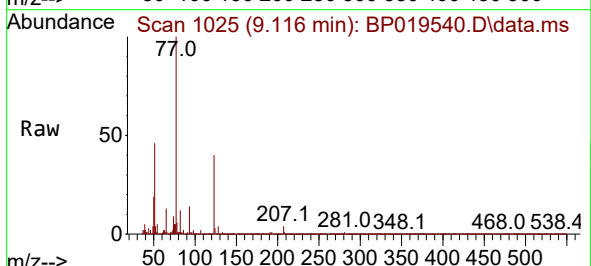
Tgt Ion: 77 Resp: 30178

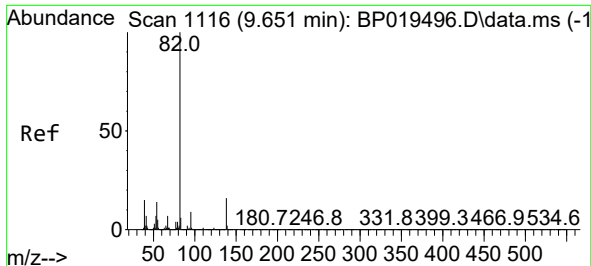
Ion Ratio Lower Upper

77 100

123 39.7 32.3 48.5

65 13.0 11.6 17.4

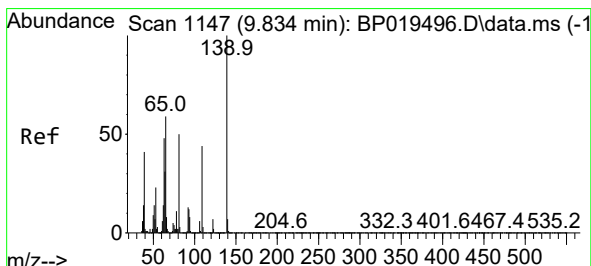
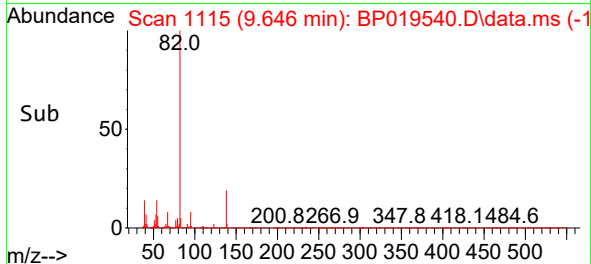
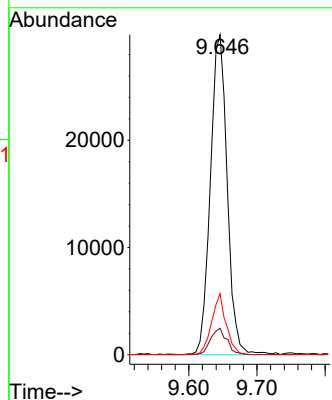
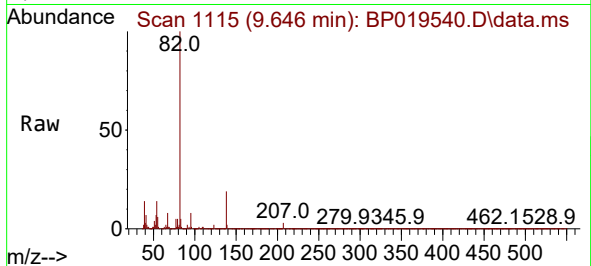




#25
Isophorone
Concen: 3.917 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

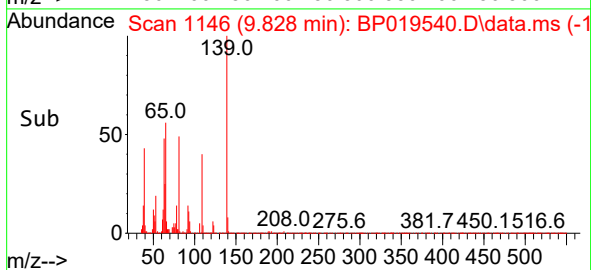
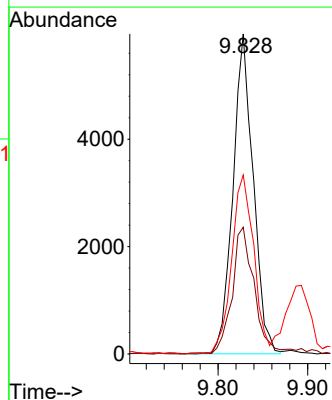
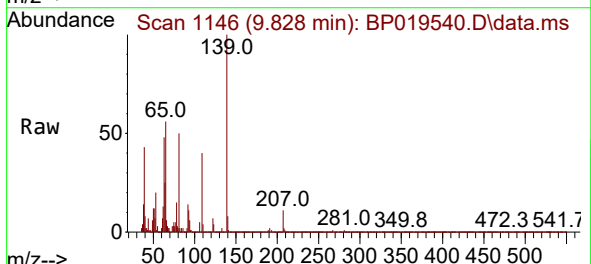
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

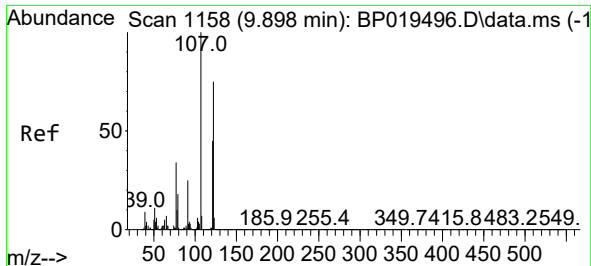
Tgt Ion: 82	Resp: 51312
Ion Ratio	Lower Upper
82 100	
95 8.3	7.0 10.4
138 19.1	13.1 19.7



#26
2-Nitrophenol
Concen: 3.234 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion: 139	Resp: 9340
Ion Ratio	Lower Upper
139 100	
109 39.6	34.9 52.3
65 56.0	47.5 71.3





#27

2,4-Dimethylphenol

Concen: 4.390 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

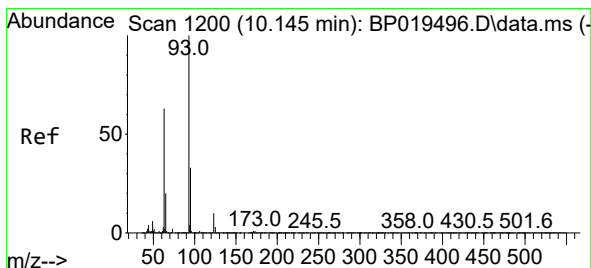
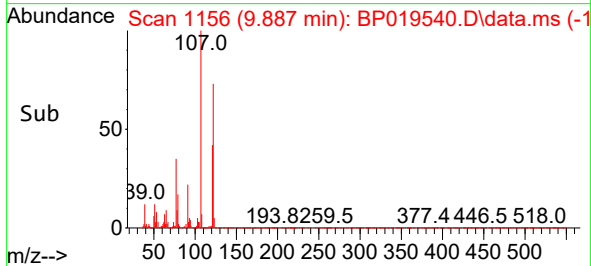
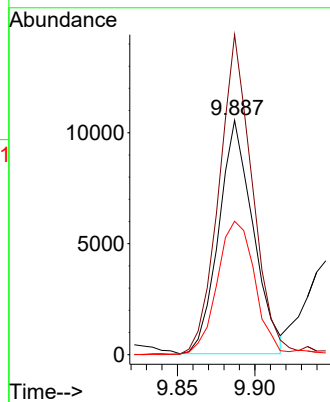
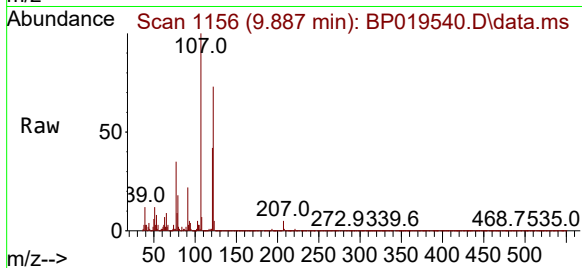
Tgt Ion:122 Resp: 16211

Ion Ratio Lower Upper

122 100

107 136.5 105.9 158.9

121 57.0 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 3.883 ng

RT: 10.134 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

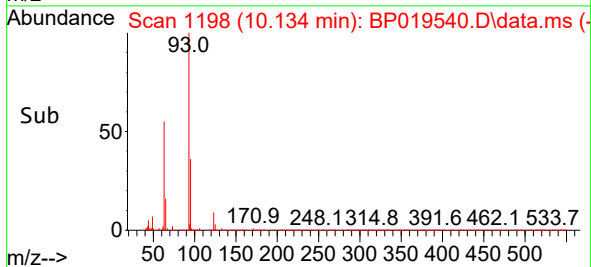
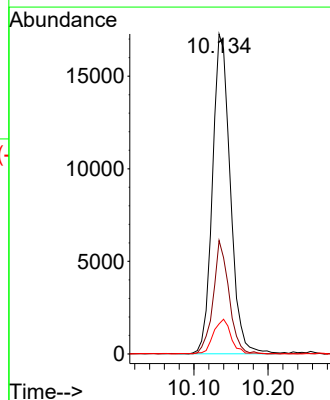
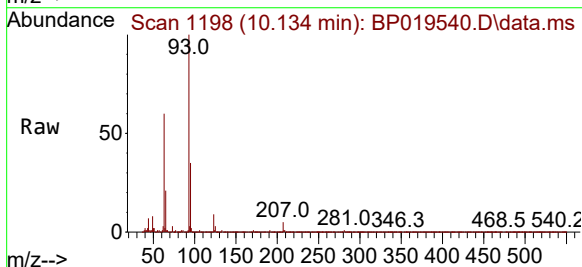
Tgt Ion: 93 Resp: 28785

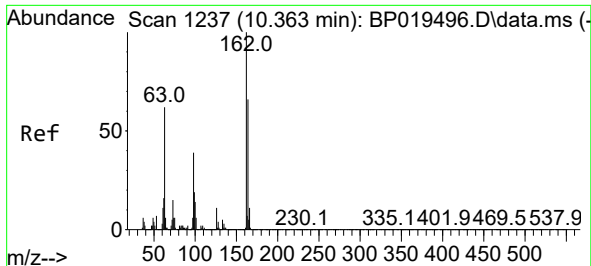
Ion Ratio Lower Upper

93 100

95 35.4 26.2 39.4

123 9.4 8.5 12.7

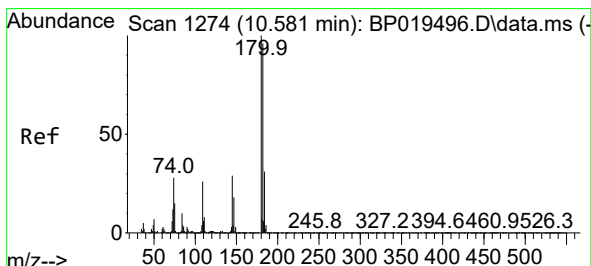
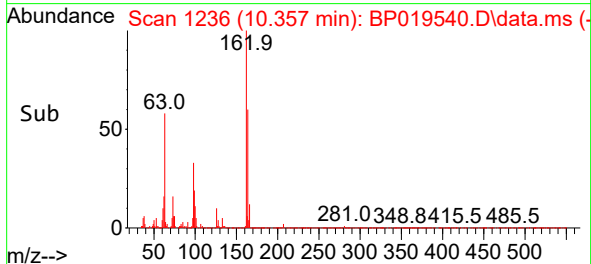
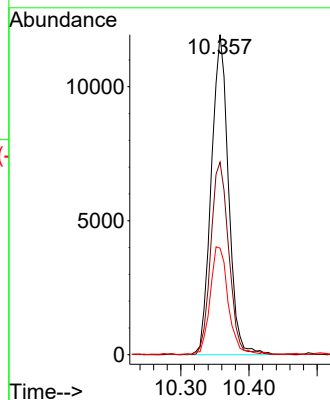
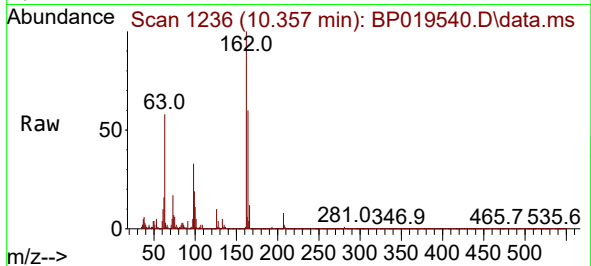




#29
2,4-Dichlorophenol
Concen: 3.754 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

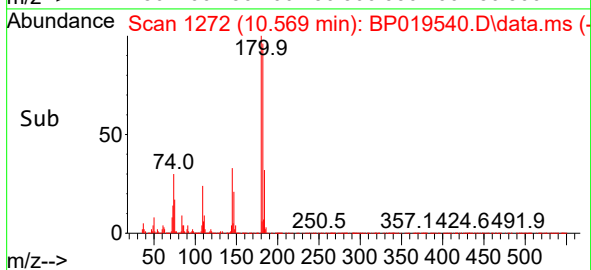
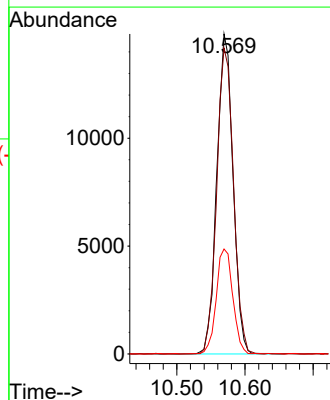
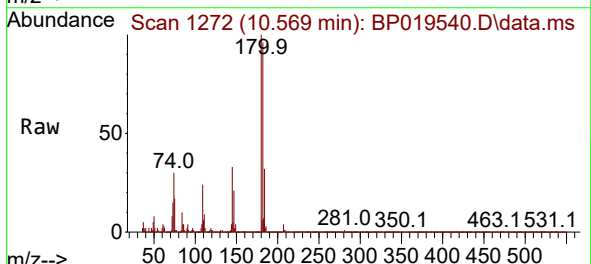
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

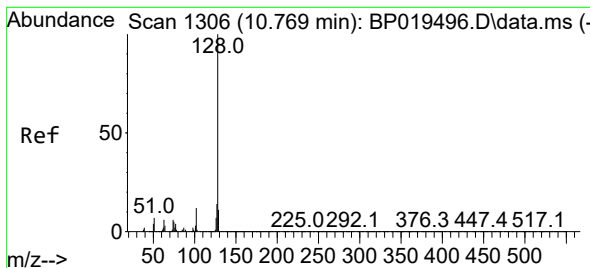
Tgt Ion:162 Resp: 20957
Ion Ratio Lower Upper
162 100
164 60.1 46.0 86.0
98 33.3 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 3.594 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:180 Resp: 24601
Ion Ratio Lower Upper
180 100
182 95.6 77.0 115.6
145 32.8 23.2 34.8





#31

Naphthalene

Concen: 3.777 ng

RT: 10.763 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

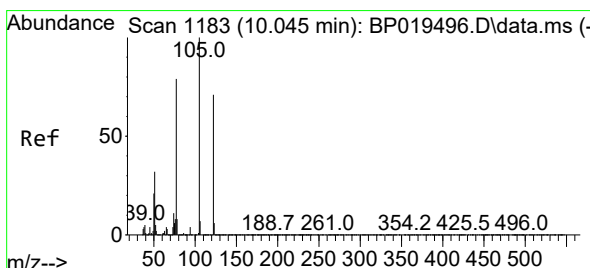
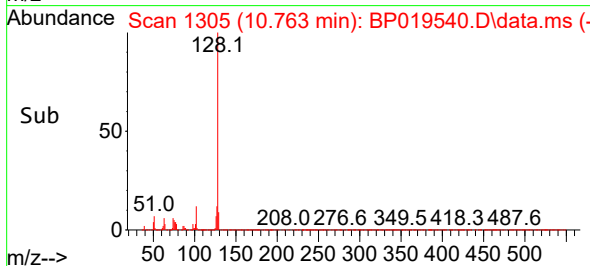
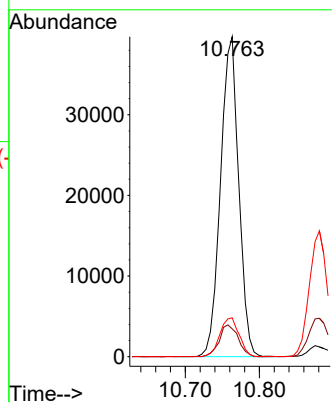
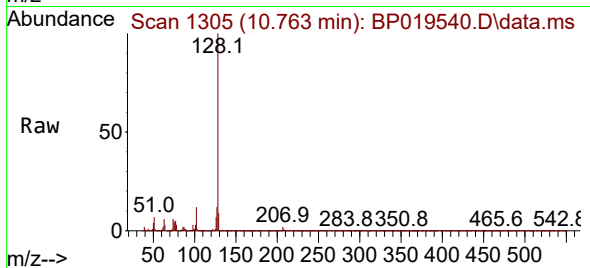
Tgt Ion:128 Resp: 67514

Ion Ratio Lower Upper

128 100

129 8.7 8.6 13.0

127 12.1 10.8 16.2



#32

Benzoic acid

Concen: 2.331 ng

RT: 9.952 min Scan# 1167

Delta R.T. -0.094 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

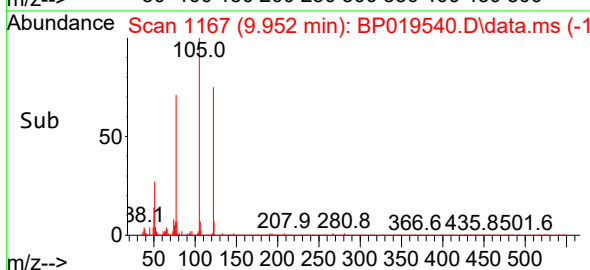
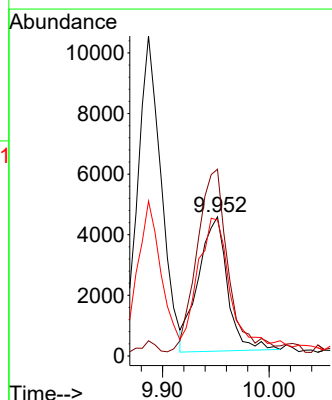
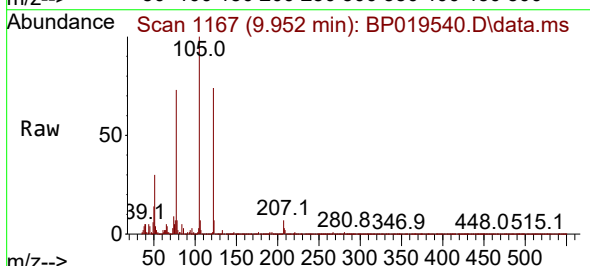
Tgt Ion:122 Resp: 8387

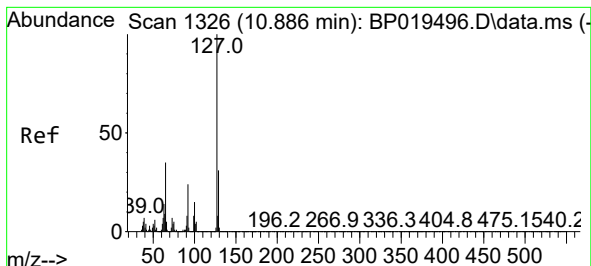
Ion Ratio Lower Upper

122 100

105 134.3 118.8 158.8

77 97.8 91.7 131.7





#33

4-Chloroaniline

Concen: 4.160 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:127 Resp: 27502

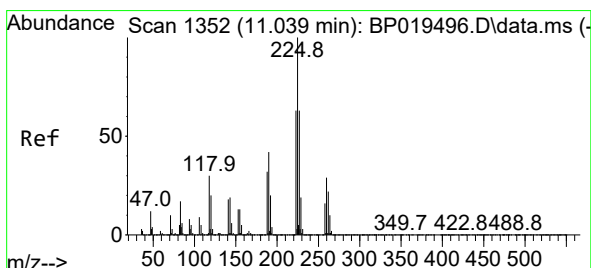
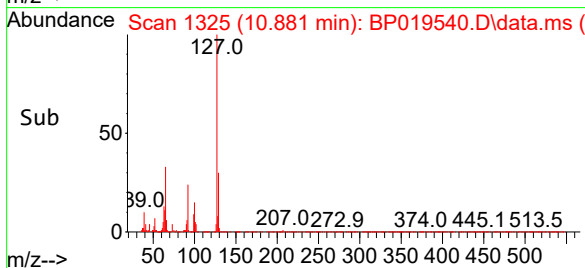
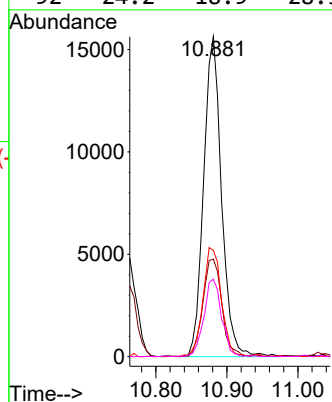
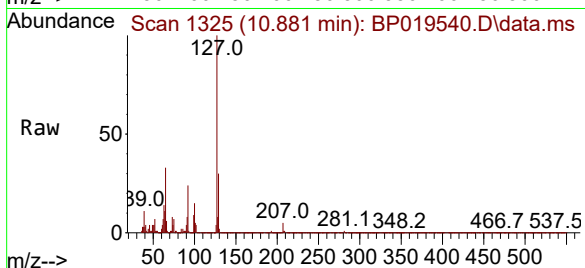
Ion Ratio Lower Upper

127 100

129 30.5 24.6 36.8

65 33.3 28.2 42.4

92 24.2 18.9 28.3



#34

Hexachlorobutadiene

Concen: 3.515 ng

RT: 11.040 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

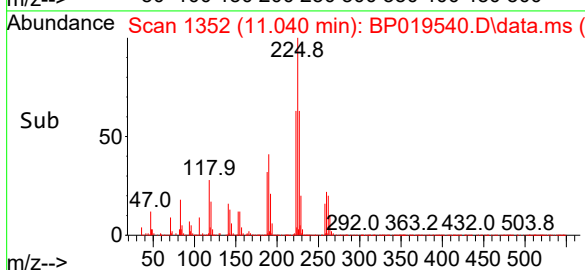
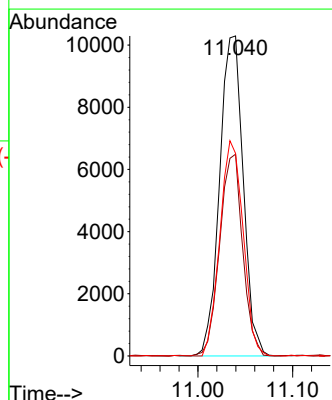
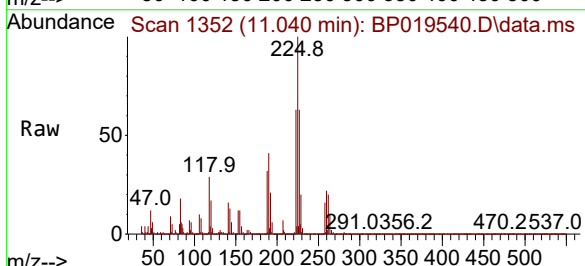
Tgt Ion:225 Resp: 17830

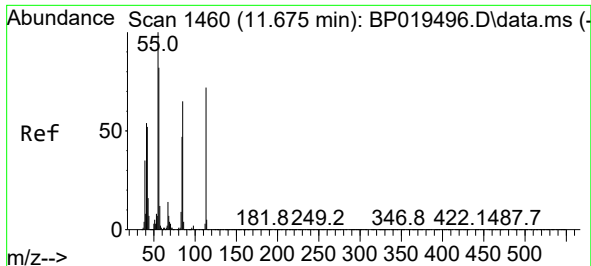
Ion Ratio Lower Upper

225 100

223 66.9 50.5 75.7

227 63.3 50.2 75.2

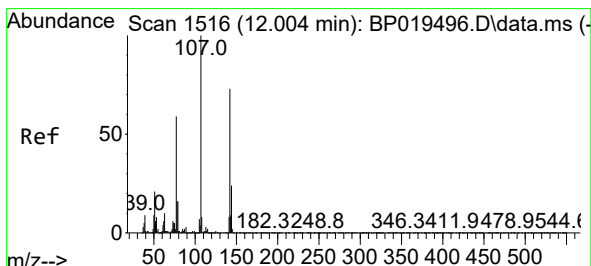
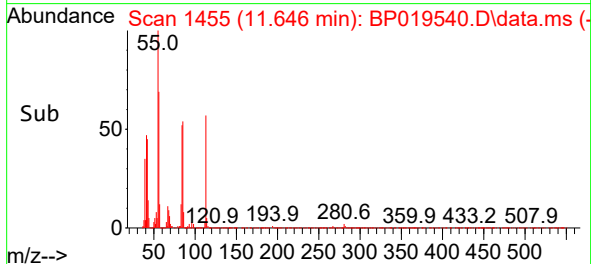
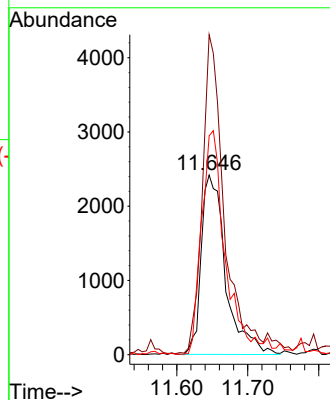
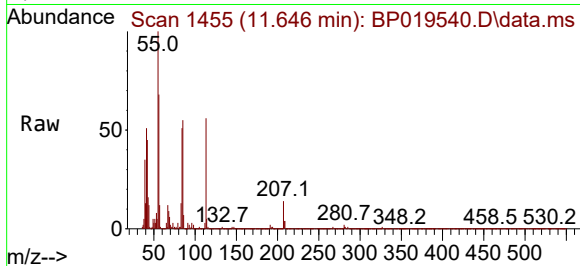




#35
Caprolactam
Concen: 3.656 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

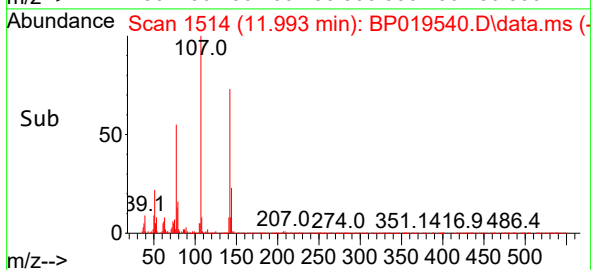
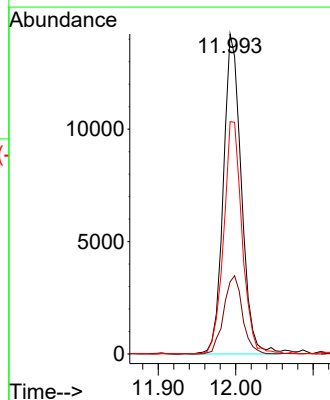
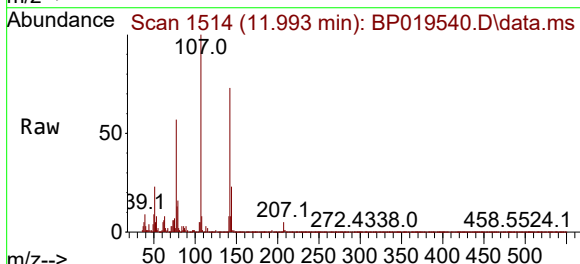
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

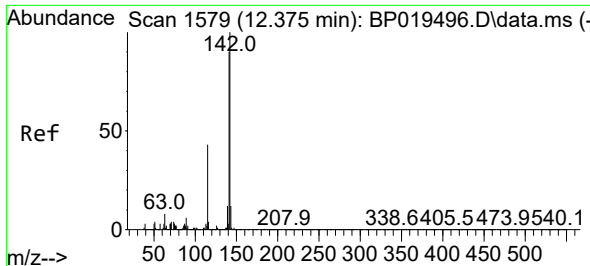
Tgt Ion:113 Resp: 5778
Ion Ratio Lower Upper
113 100
55 178.0 120.0 160.0#
56 121.8 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 3.772 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:107 Resp: 22956
Ion Ratio Lower Upper
107 100
144 22.5 19.0 28.4
142 72.6 58.6 88.0

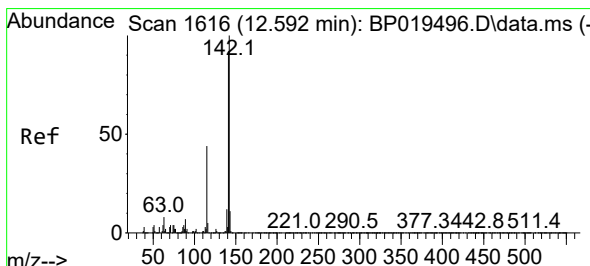
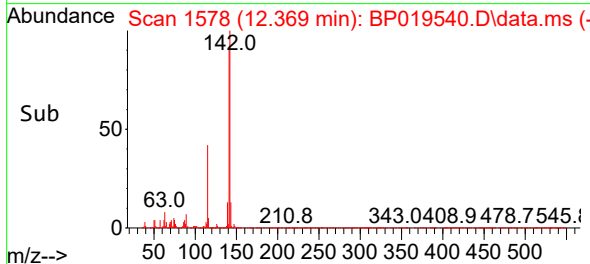
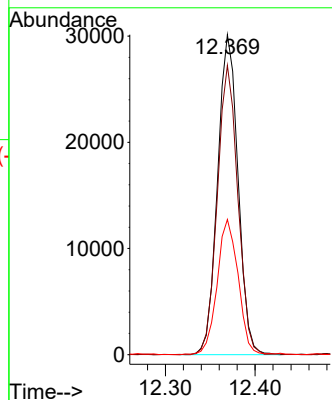
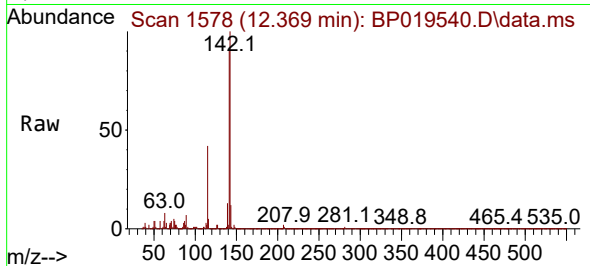




#37
2-Methylnaphthalene
Concen: 3.853 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

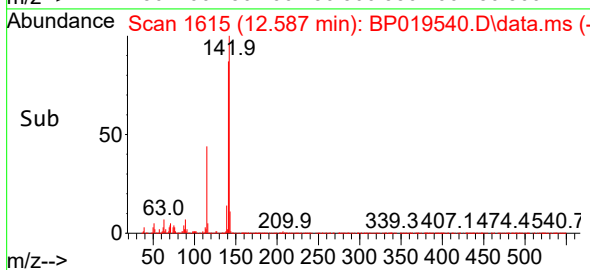
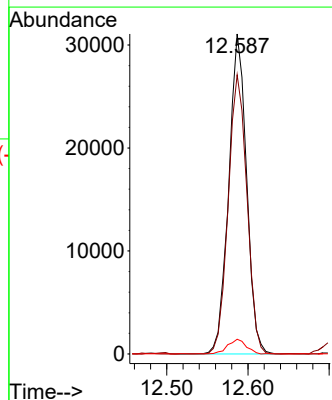
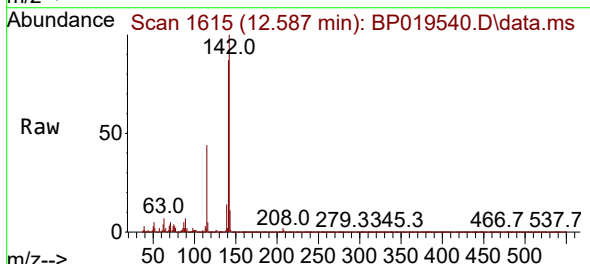
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

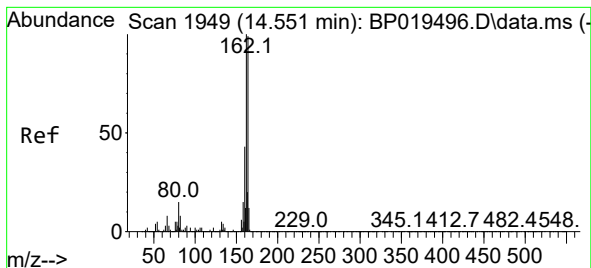
Tgt Ion:142 Resp: 47664
Ion Ratio Lower Upper
142 100
141 90.4 72.2 108.4
115 42.3 34.2 51.2



#38
1-Methylnaphthalene
Concen: 3.906 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:142 Resp: 47489
Ion Ratio Lower Upper
142 100
141 87.2 74.0 111.0
116 4.6 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

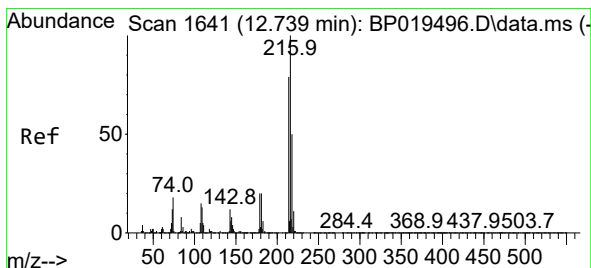
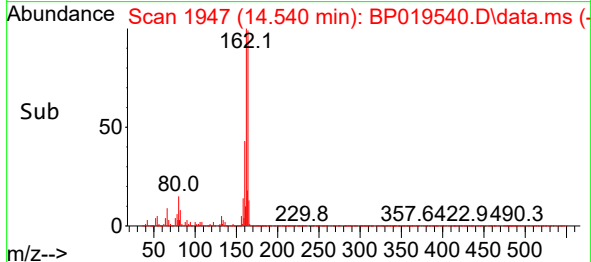
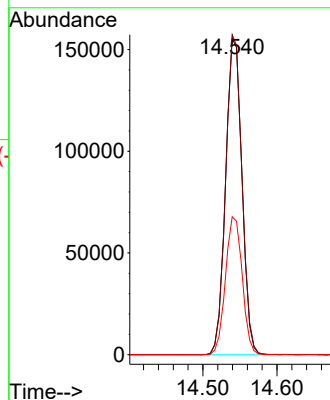
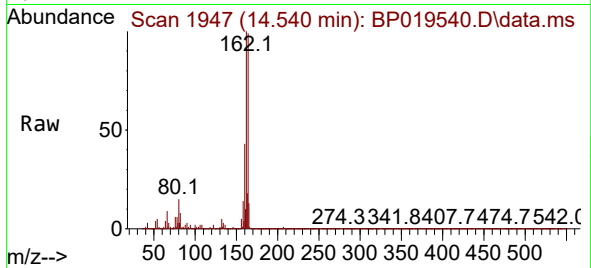
Tgt Ion:164 Resp: 237535

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

160 43.6 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.547 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:216 Resp: 32491

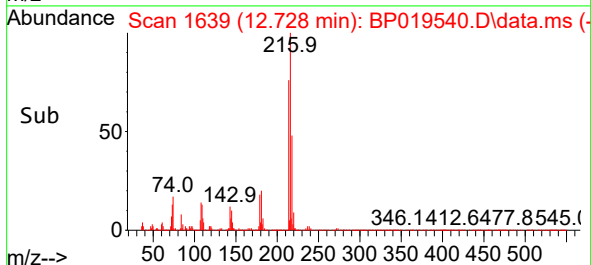
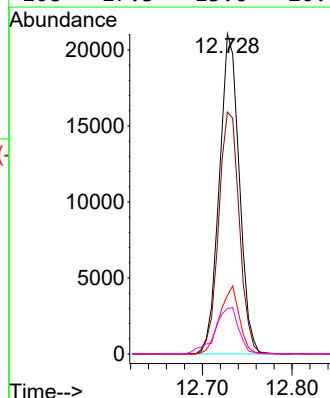
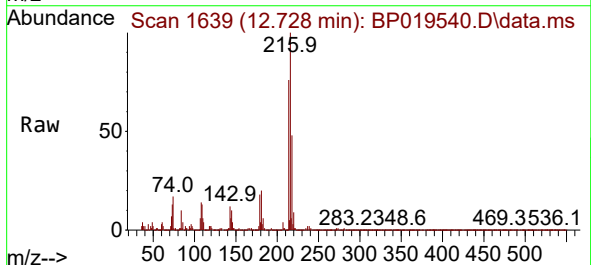
Ion Ratio Lower Upper

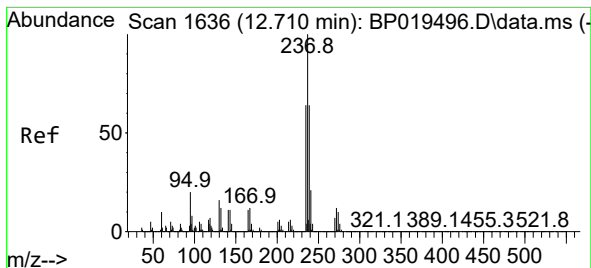
216 100

214 78.3 62.8 94.2

179 20.9 16.6 24.8

108 17.3 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 4.135 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

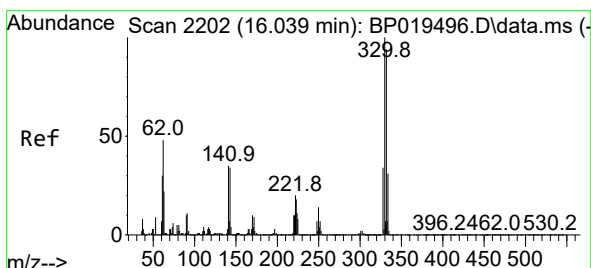
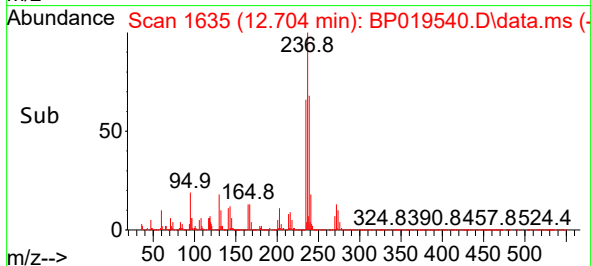
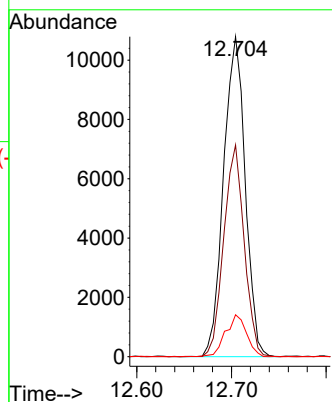
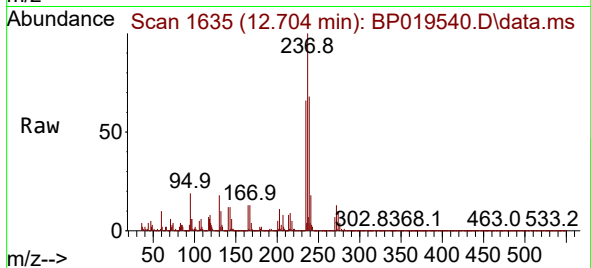
Tgt Ion:237 Resp: 17111

Ion Ratio Lower Upper

237 100

235 66.2 43.7 83.7

272 13.1 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 143.627 ng

RT: 16.034 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

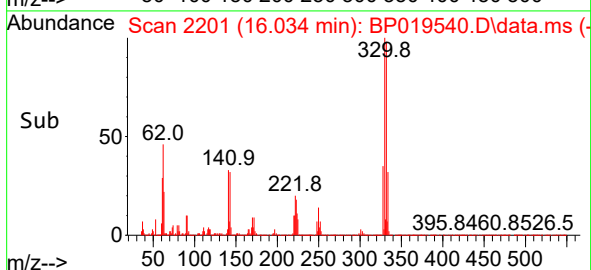
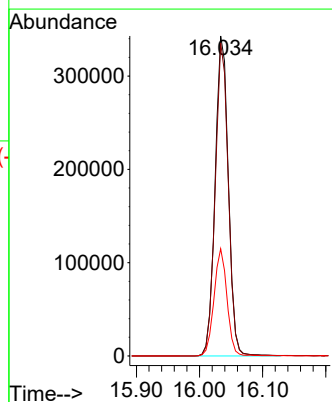
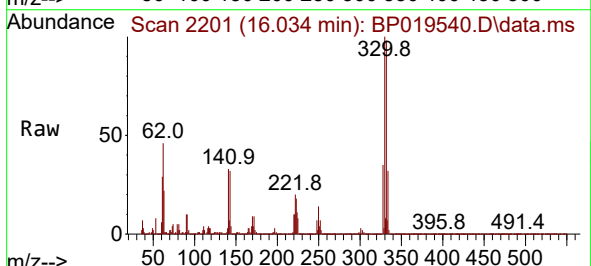
Tgt Ion:330 Resp: 498123

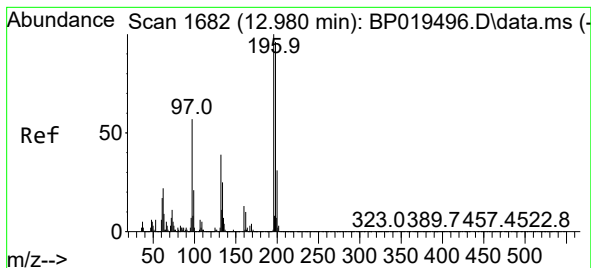
Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

141 33.1 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 3.340 ng

RT: 12.975 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

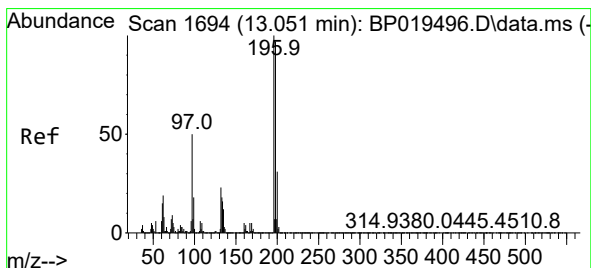
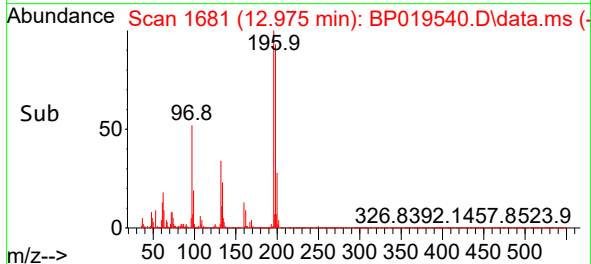
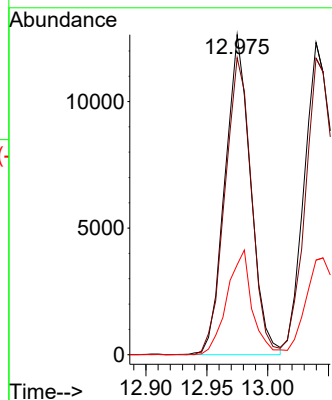
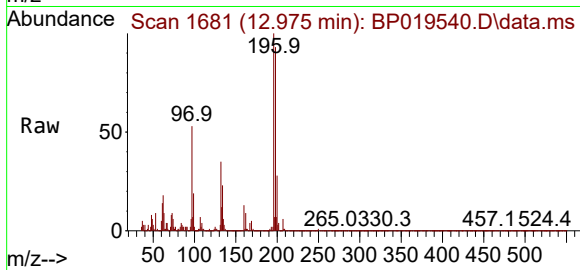
Tgt Ion:196 Resp: 18527

Ion Ratio Lower Upper

196 100

198 92.8 76.7 115.1

200 28.1 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 3.473 ng

RT: 13.040 min Scan# 1692

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:196 Resp: 21153

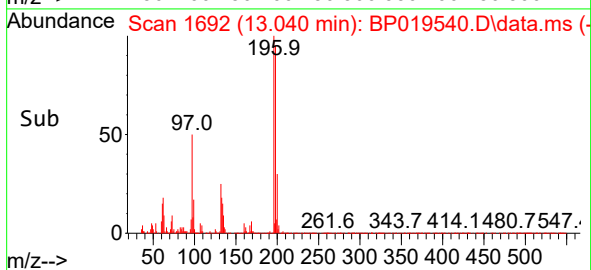
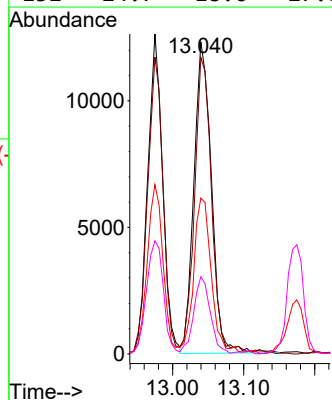
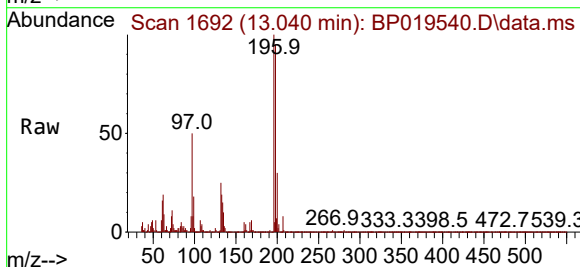
Ion Ratio Lower Upper

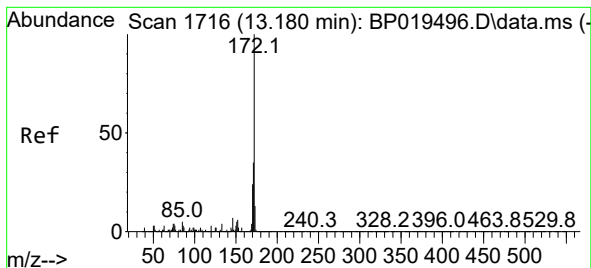
196 100

198 95.0 77.5 116.3

97 49.9 39.9 59.9

132 24.7 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 74.873 ng

RT: 13.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

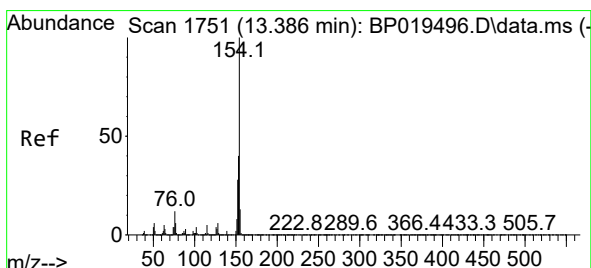
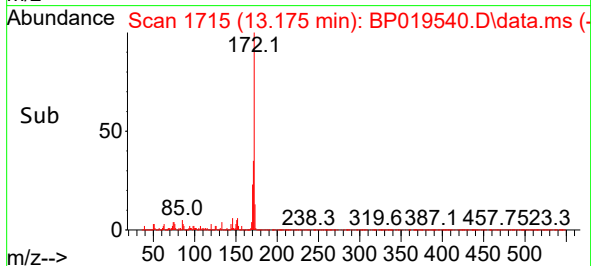
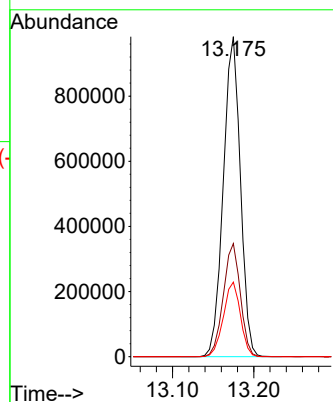
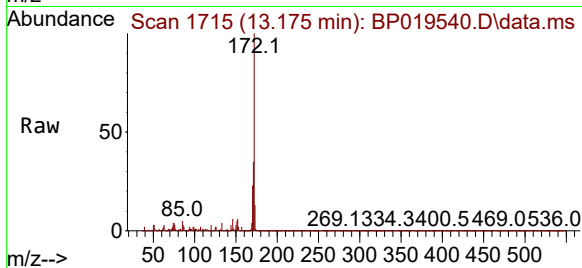
Tgt Ion:172 Resp: 1438645

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.3 18.9 28.3



#46

1,1'-Biphenyl

Concen: 3.709 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

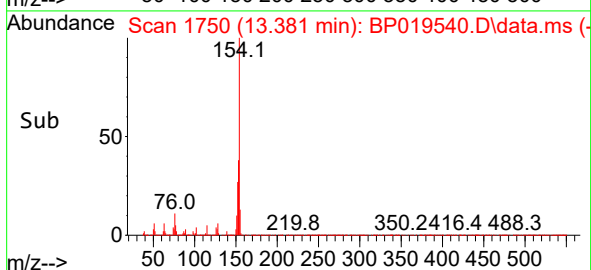
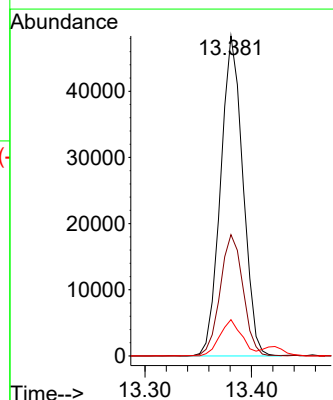
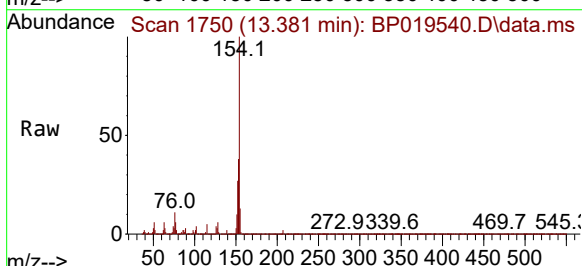
Tgt Ion:154 Resp: 70321

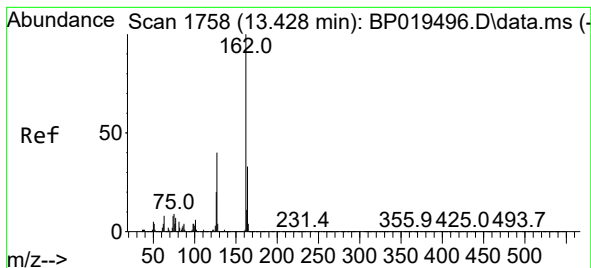
Ion Ratio Lower Upper

154 100

153 37.9 20.2 60.2

76 11.3 0.0 31.6





#47

2-Chloronaphthalene

Concen: 3.491 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

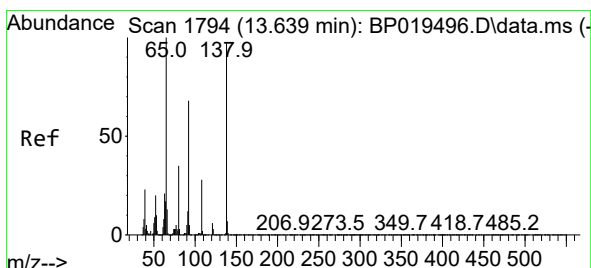
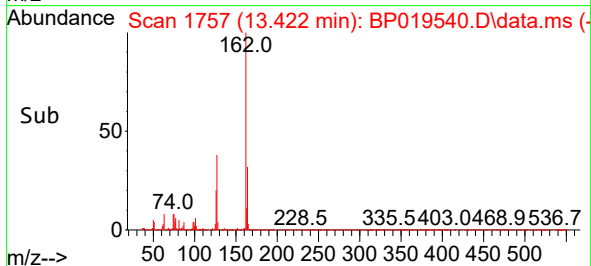
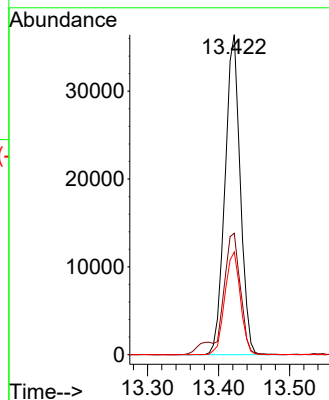
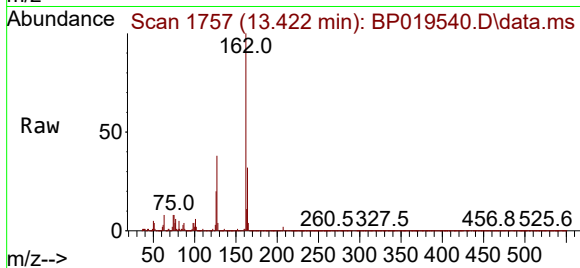
Tgt Ion:162 Resp: 54324

Ion Ratio Lower Upper

162 100

127 38.0 32.1 48.1

164 32.1 26.7 40.1



#48

2-Nitroaniline

Concen: 3.307 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

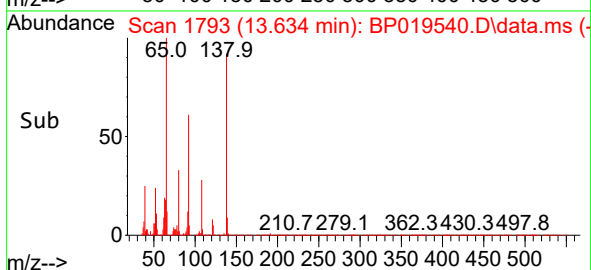
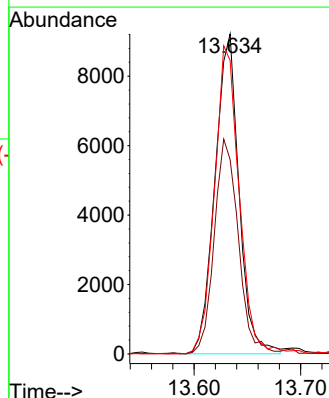
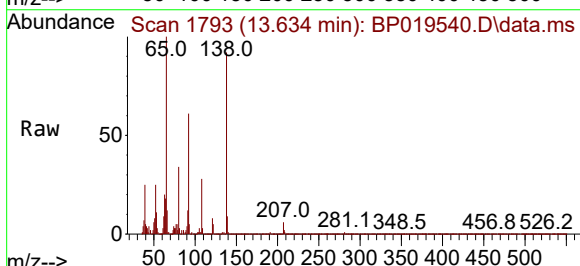
Tgt Ion: 65 Resp: 14393

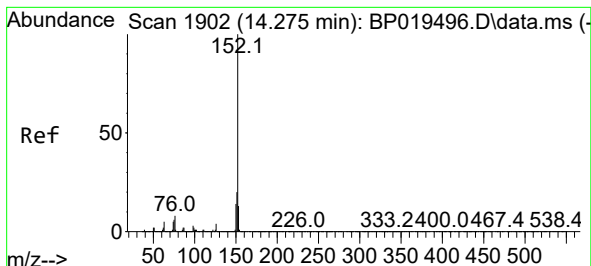
Ion Ratio Lower Upper

65 100

92 60.7 54.7 82.1

138 91.7 77.8 116.6





#49

Acenaphthylene

Concen: 3.932 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

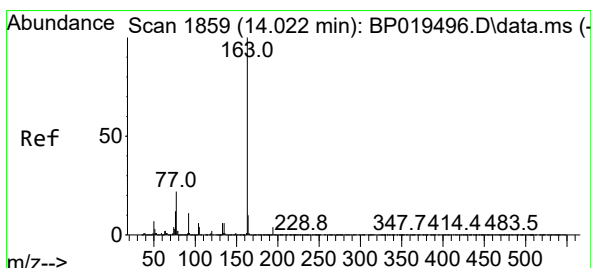
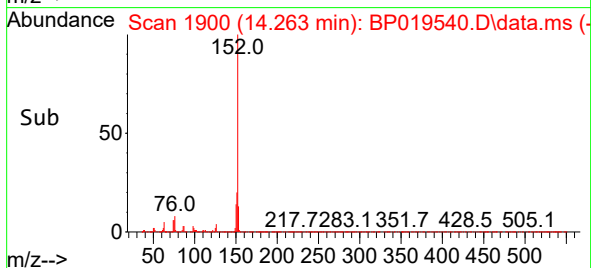
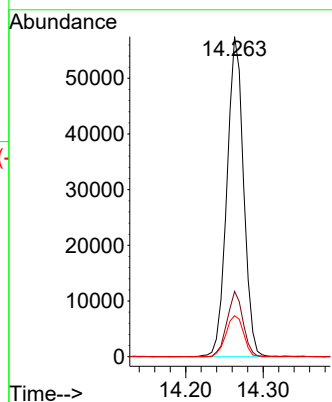
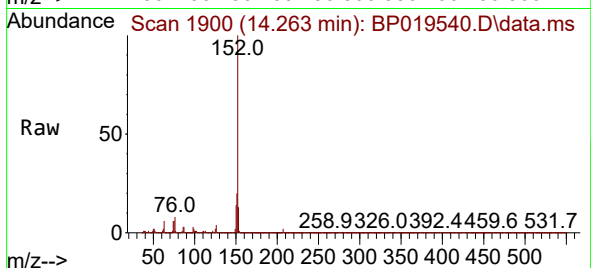
Tgt Ion:152 Resp: 85850

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.6

153 12.8 10.6 15.8



#50

Dimethylphthalate

Concen: 3.880 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

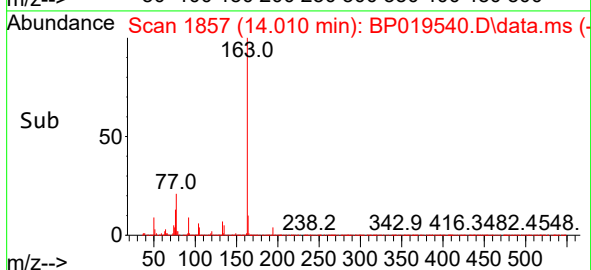
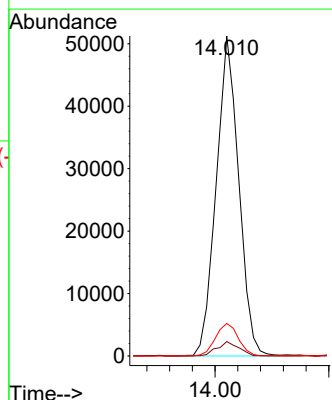
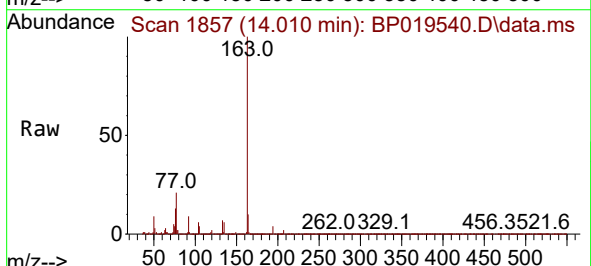
Tgt Ion:163 Resp: 70545

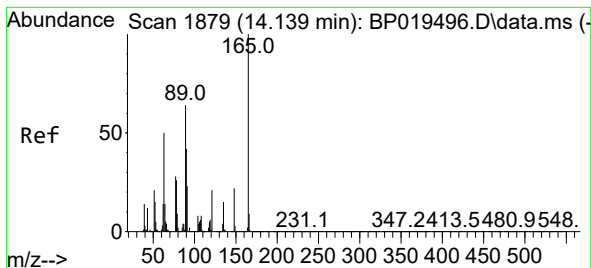
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 10.2 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 3.574 ng

RT: 14.134 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

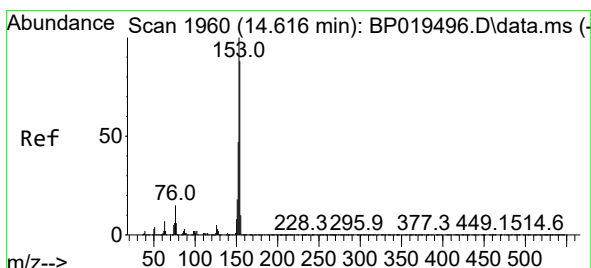
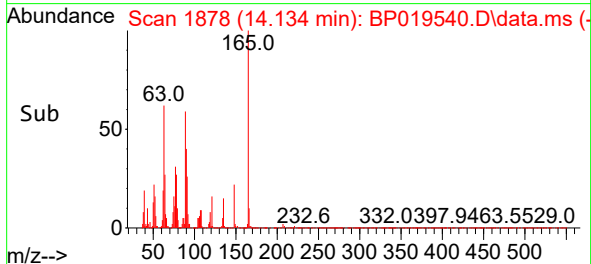
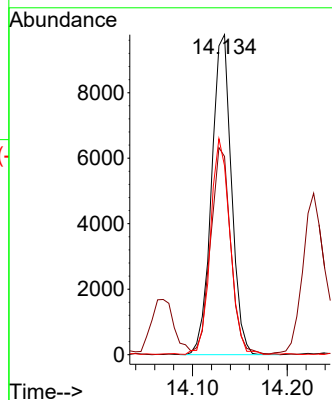
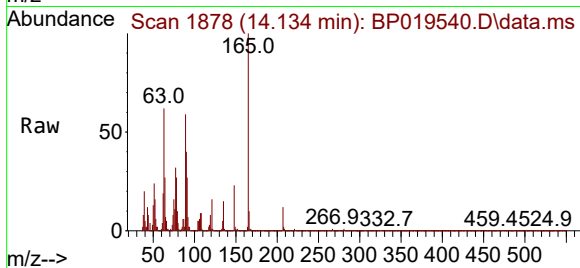
Tgt Ion:165 Resp: 14280

Ion Ratio Lower Upper

165 100

63 61.9 50.4 75.6

89 59.1 51.7 77.5



#52

Acenaphthene

Concen: 3.699 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

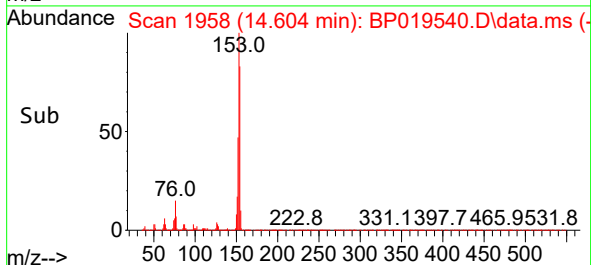
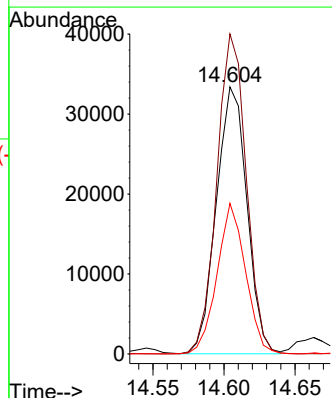
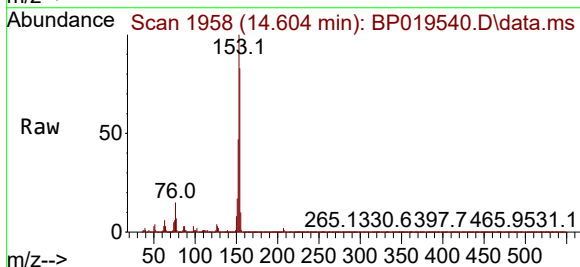
Tgt Ion:154 Resp: 50130

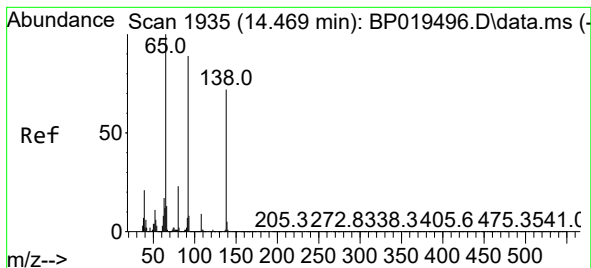
Ion Ratio Lower Upper

154 100

153 119.8 90.5 135.7

152 56.4 42.1 63.1





#53

3-Nitroaniline

Concen: 3.559 ng

RT: 14.457 min Scan# 1933

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

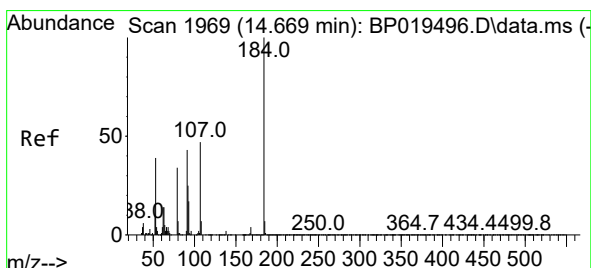
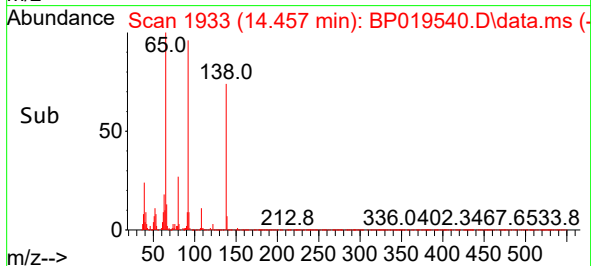
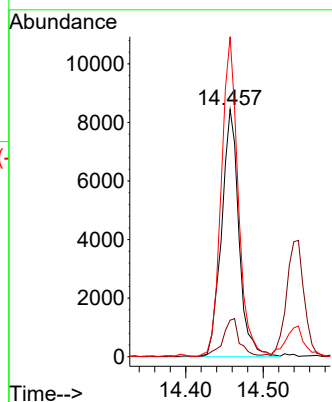
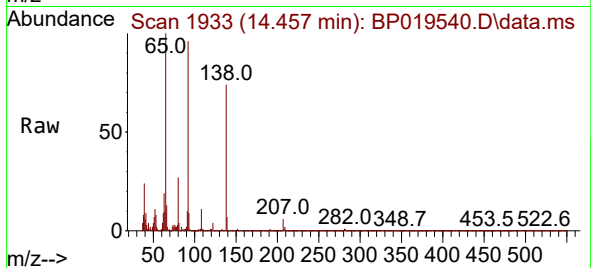
Tgt Ion:138 Resp: 13068

Ion Ratio Lower Upper

138 100

108 14.8 9.7 14.5#

92 129.4 98.0 147.0



#54

2,4-Dinitrophenol

Concen: 2.690 ng

RT: 14.663 min Scan# 1968

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

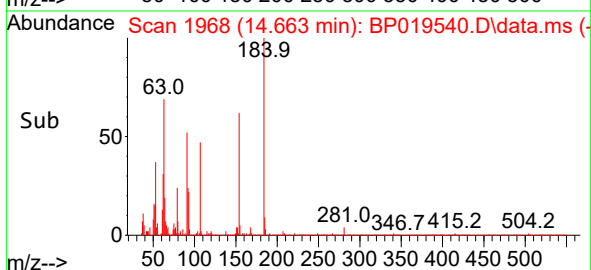
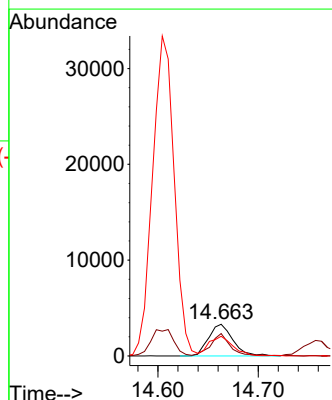
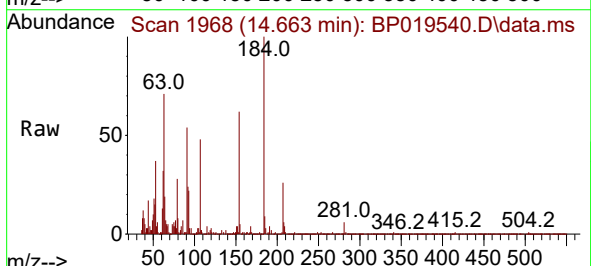
Tgt Ion:184 Resp: 5579

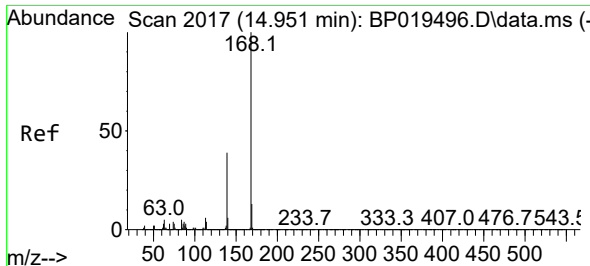
Ion Ratio Lower Upper

184 100

63 71.0 50.5 75.7

154 62.3 53.4 80.0

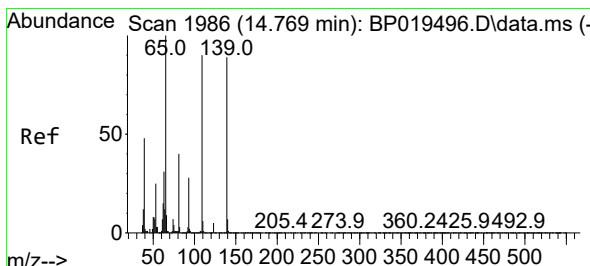
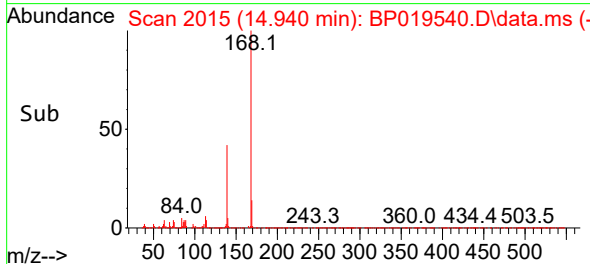
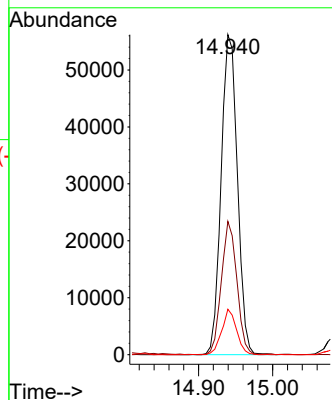
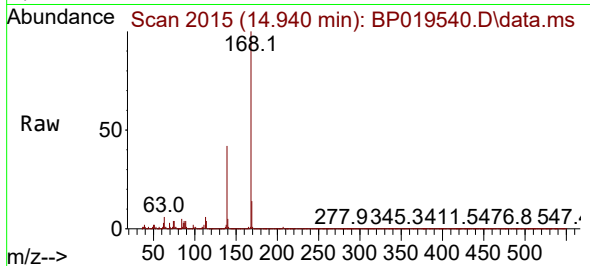




#55
Dibenzofuran
Concen: 3.877 ng
RT: 14.940 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

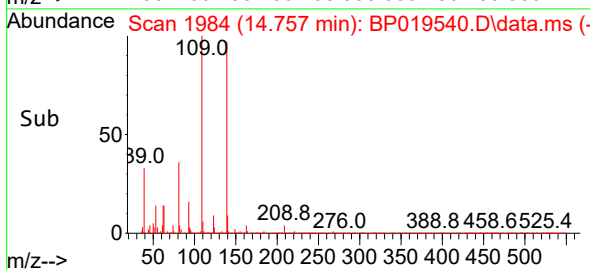
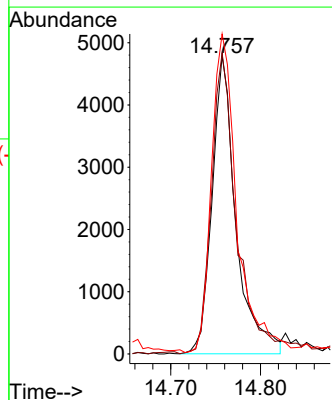
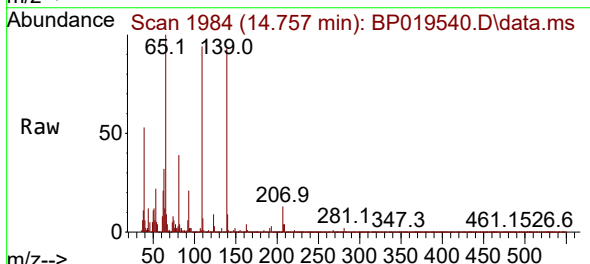
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

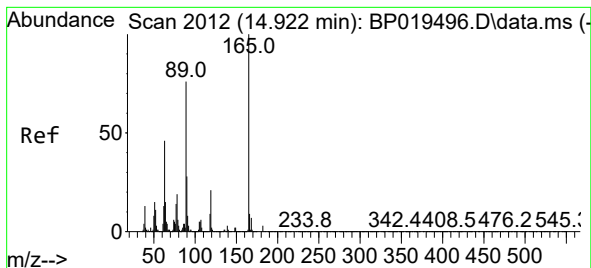
Tgt Ion:168 Resp: 85570
Ion Ratio Lower Upper
168 100
139 41.7 31.5 47.3
169 14.2 10.3 15.5



#56
4-Nitrophenol
Concen: 2.951 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:139 Resp: 8880
Ion Ratio Lower Upper
139 100
109 100.9 82.0 122.0
65 107.2 92.9 132.9





#57

2,4-Dinitrotoluene

Concen: 3.254 ng

RT: 14.916 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:165 Resp: 17034

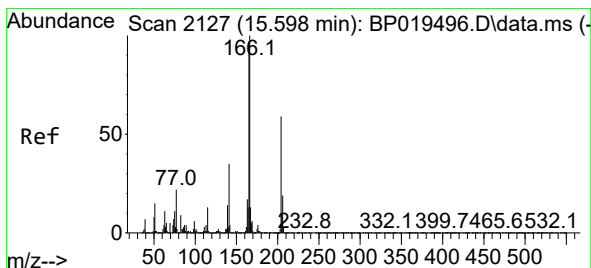
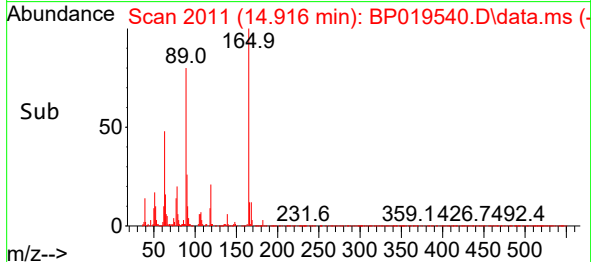
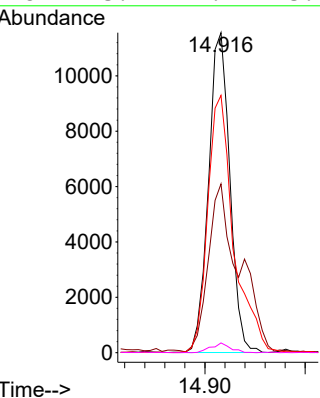
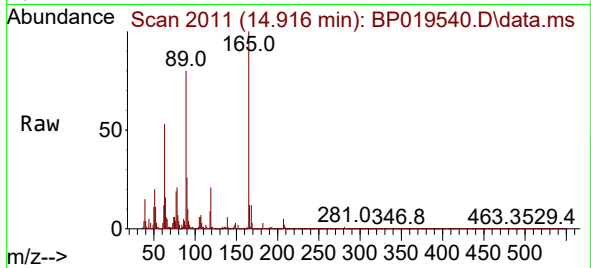
Ion Ratio Lower Upper

165 100

63 52.7 36.9 55.3

89 80.4 61.1 91.7

182 3.1 2.2 3.2



#58

Fluorene

Concen: 3.815 ng

RT: 15.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

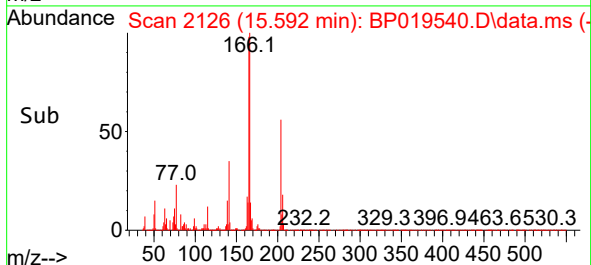
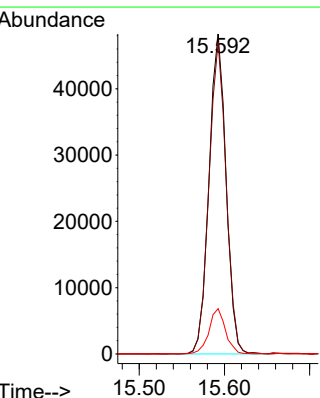
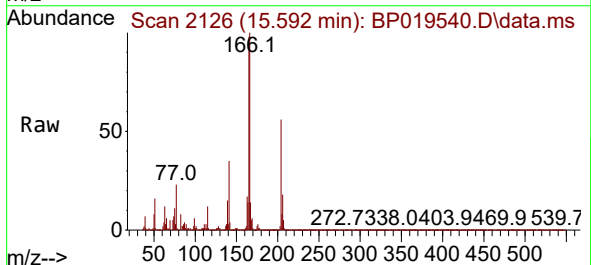
Tgt Ion:166 Resp: 67063

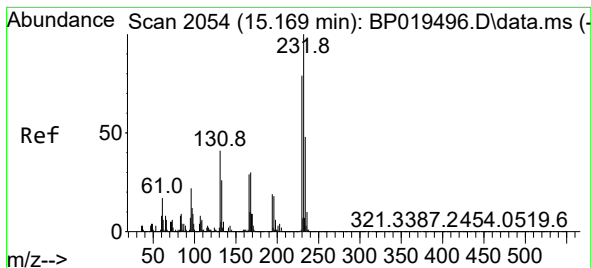
Ion Ratio Lower Upper

166 100

165 97.5 77.8 116.8

167 14.2 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.836 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:232 Resp: 19656

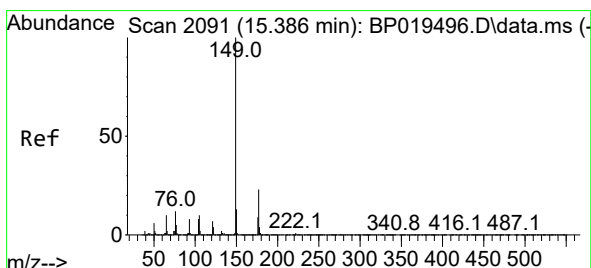
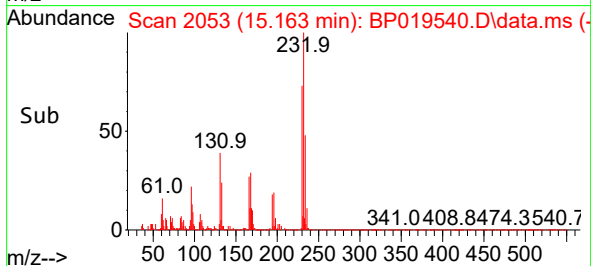
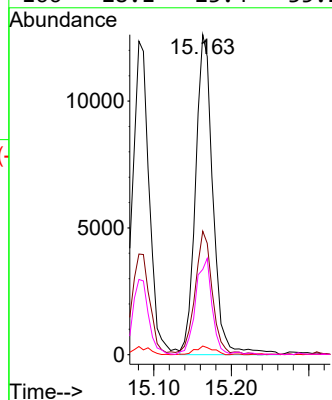
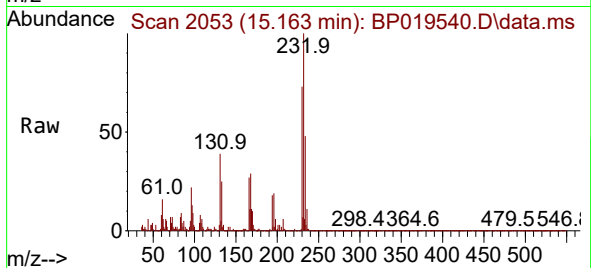
Ion Ratio Lower Upper

232 100

131 38.2 32.4 48.6

130 2.8 1.9 2.9

166 28.1 23.4 35.2



#60

Diethylphthalate

Concen: 3.761 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

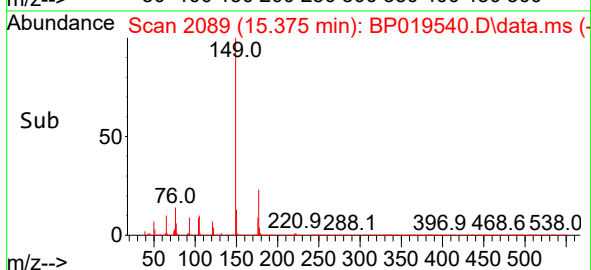
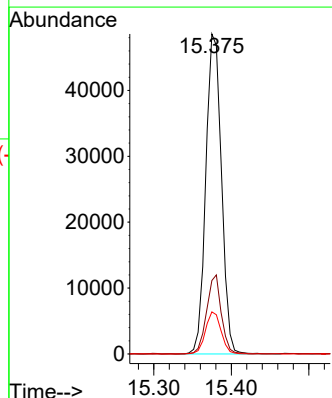
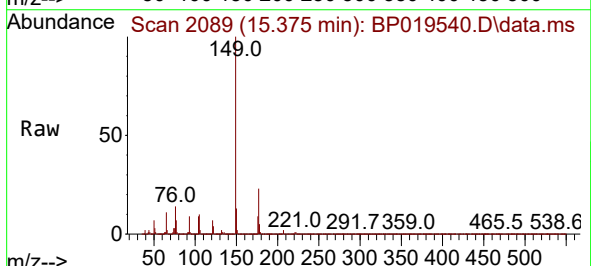
Tgt Ion:149 Resp: 68017

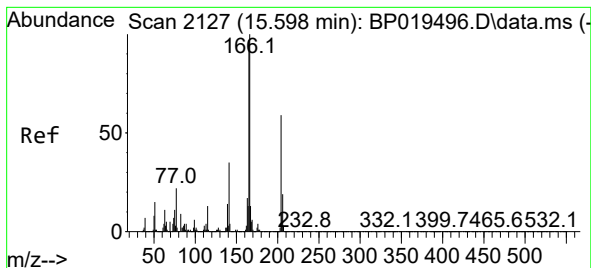
Ion Ratio Lower Upper

149 100

177 23.0 18.2 27.2

150 13.2 10.2 15.4

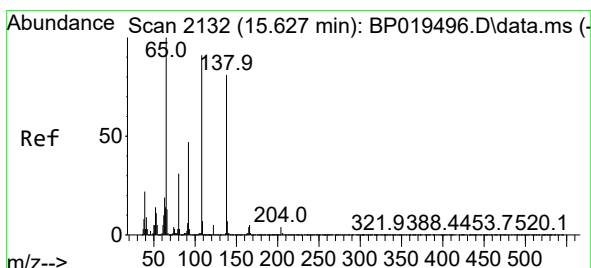
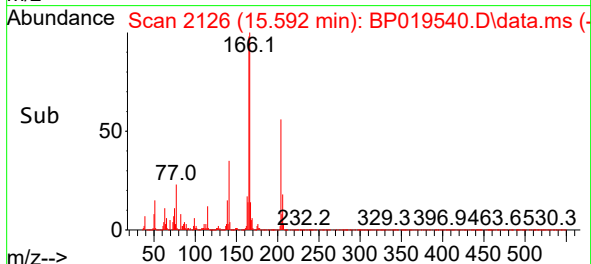
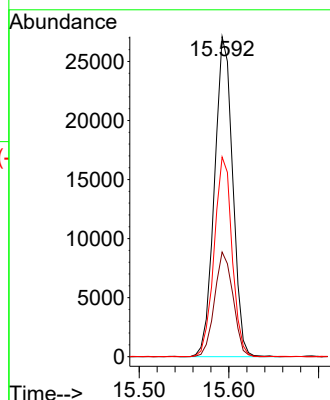
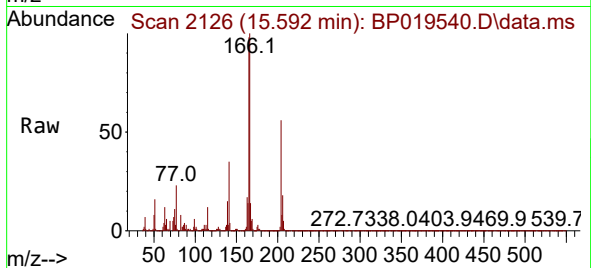




#61
4-Chlorophenyl-phenylether
Concen: 3.866 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

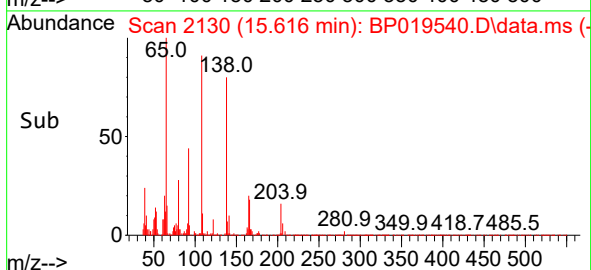
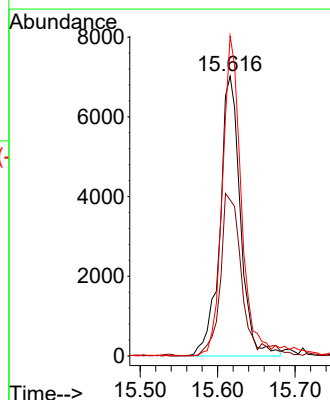
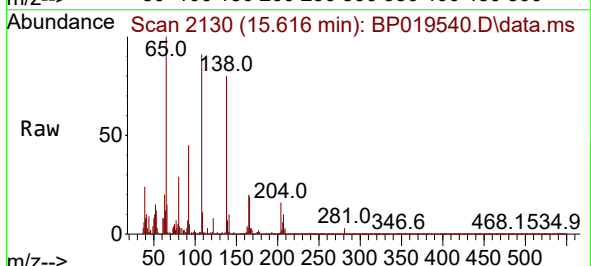
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

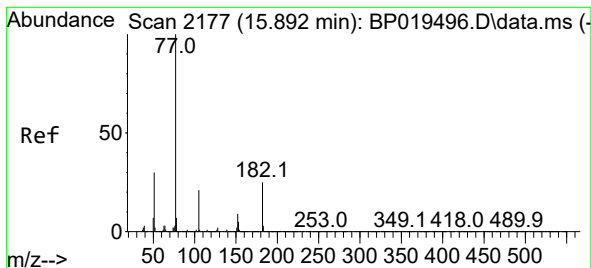
Tgt Ion:204 Resp: 38201
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 62.4 48.5 72.7



#62
4-Nitroaniline
Concen: 3.339 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:138 Resp: 12851
Ion Ratio Lower Upper
138 100
92 55.8 38.3 78.3
108 114.4 91.2 131.2





#63

Azobenzene

Concen: 3.691 ng

RT: 15.887 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 77 Resp: 64551

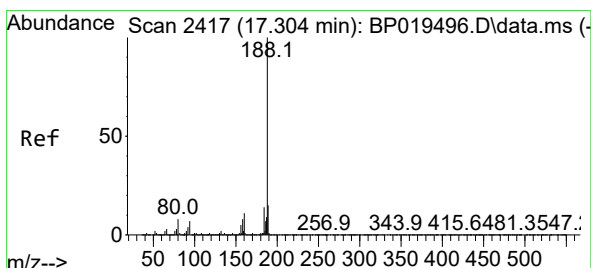
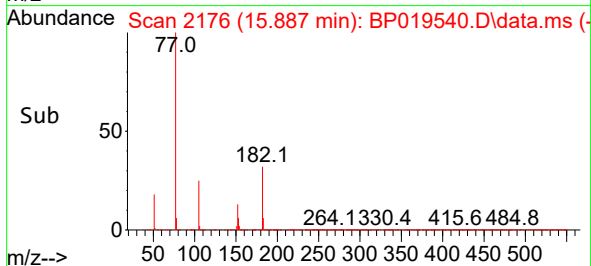
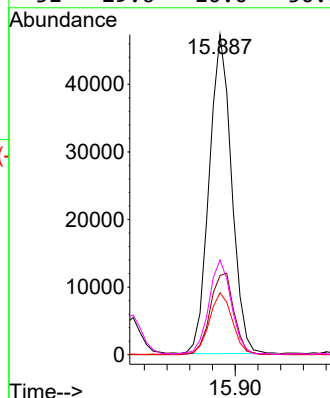
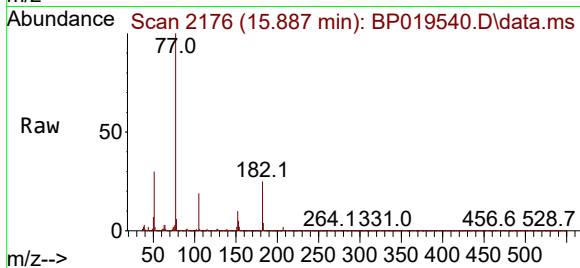
Ion Ratio Lower Upper

77 100

182 24.8 5.1 45.1

105 19.4 0.8 40.8

51 29.6 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

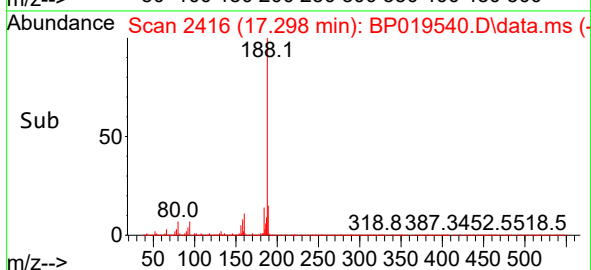
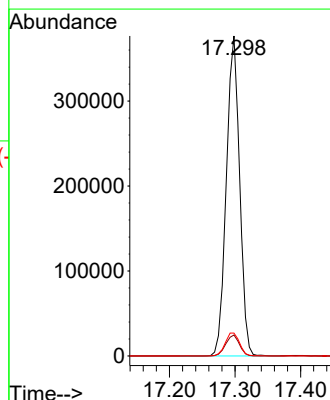
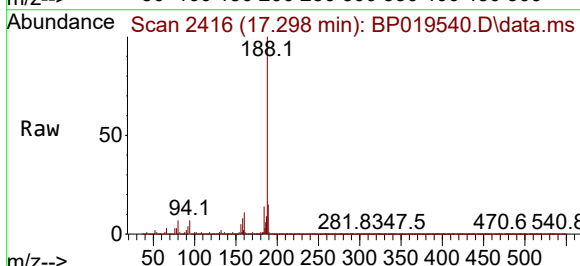
Tgt Ion: 188 Resp: 528056

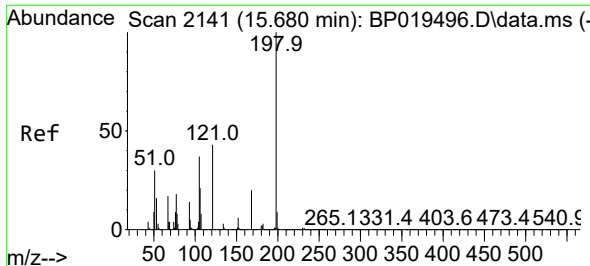
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 7.1 6.3 9.5

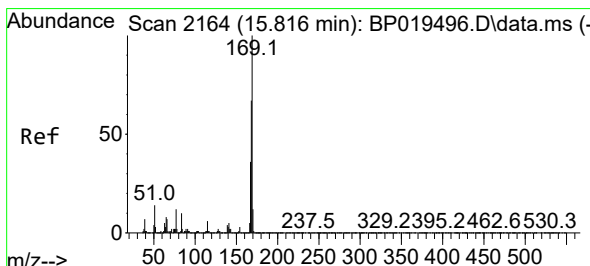
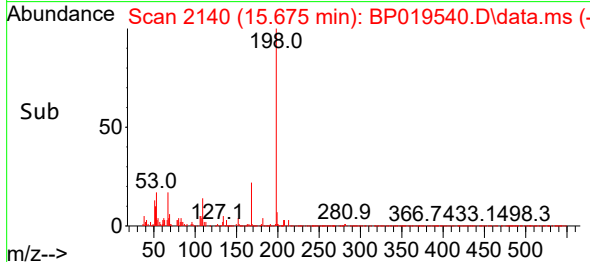
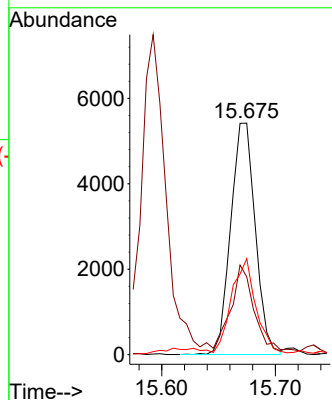
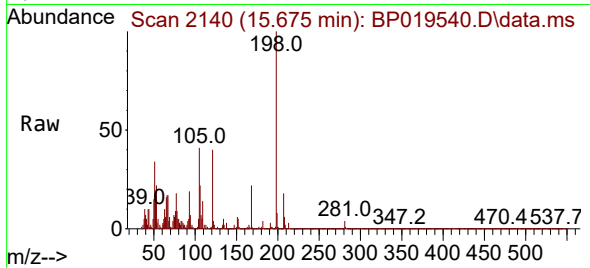




#65
4,6-Dinitro-2-methylphenol
Concen: 2.709 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

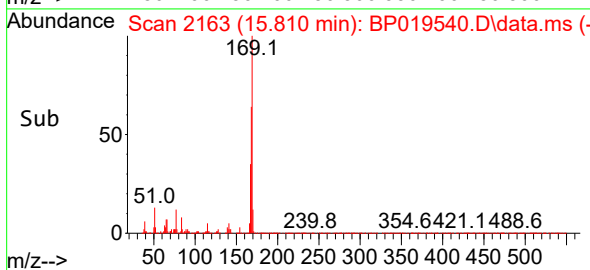
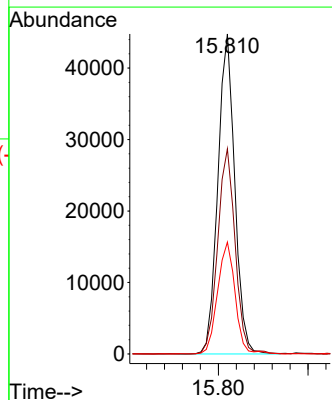
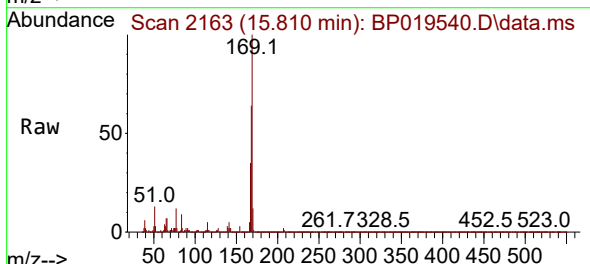
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

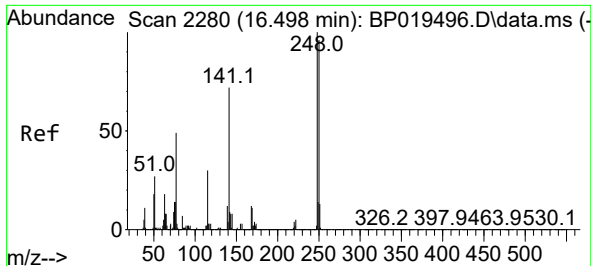
Tgt Ion:198 Resp: 8158
Ion Ratio Lower Upper
198 100
51 33.6 21.2 61.2
105 41.5 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 3.697 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:169 Resp: 58473
Ion Ratio Lower Upper
169 100
168 64.1 53.4 80.2
167 34.9 28.9 43.3

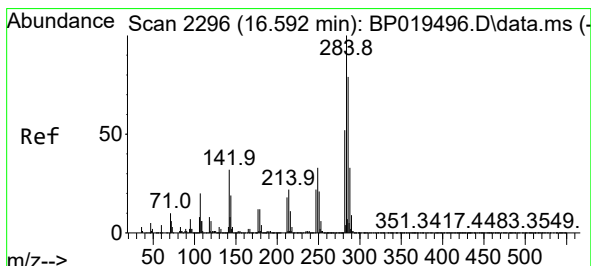
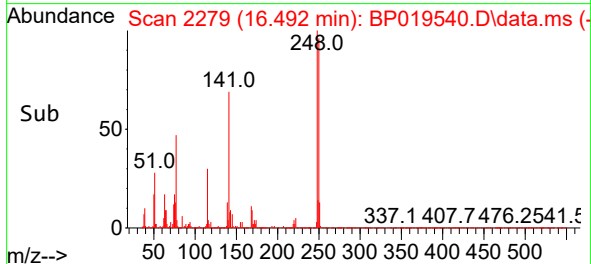
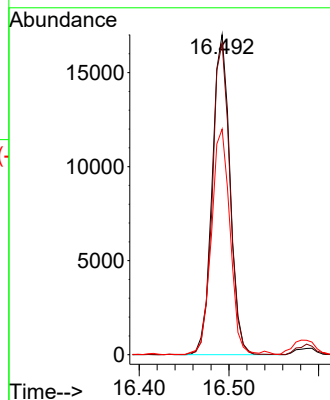
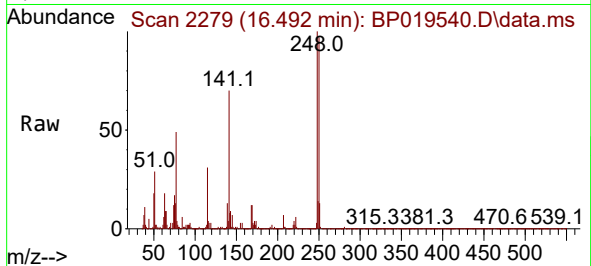




#67
4-Bromophenyl-phenylether
Concen: 3.550 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

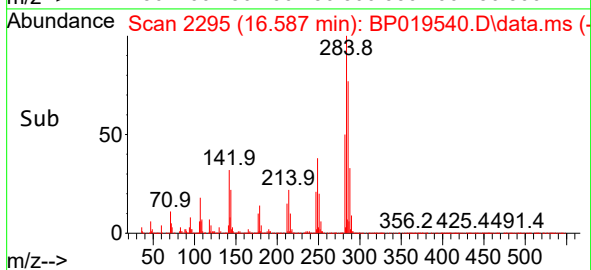
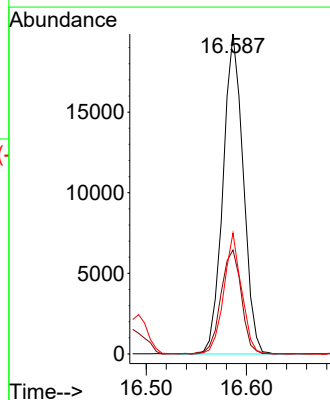
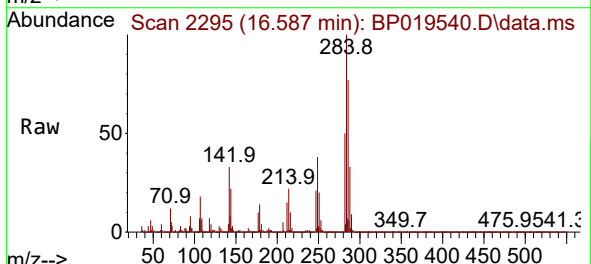
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

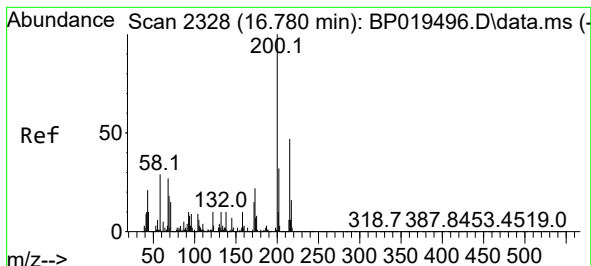
Tgt Ion:248 Resp: 23438
Ion Ratio Lower Upper
248 100
250 97.4 76.9 115.3
141 70.5 58.0 87.0



#68
Hexachlorobenzene
Concen: 3.607 ng
RT: 16.587 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019540.D
Acq: 02 Feb 2024 22:25

Tgt Ion:284 Resp: 27808
Ion Ratio Lower Upper
284 100
142 32.5 25.4 38.2
249 37.8 26.5 39.7





#69

Atrazine

Concen: 4.282 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

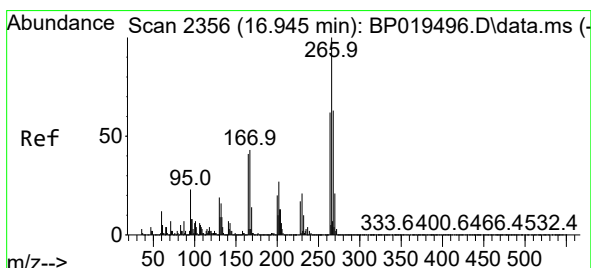
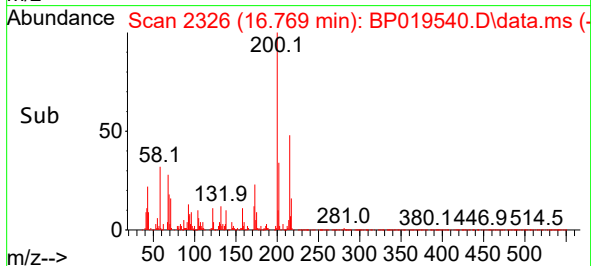
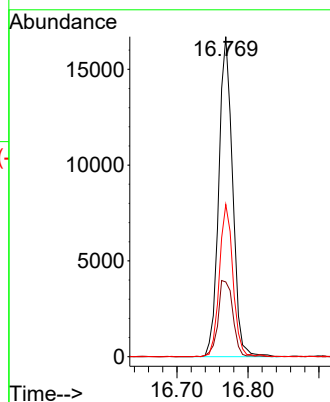
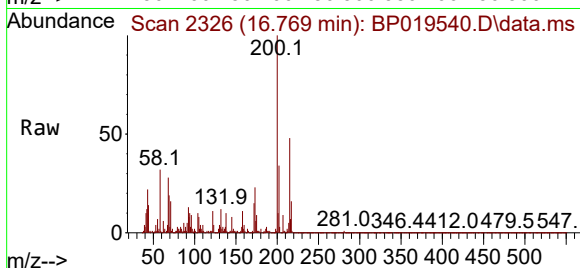
Tgt Ion:200 Resp: 22469

Ion Ratio Lower Upper

200 100

173 23.3 1.7 41.7

215 47.5 26.9 66.9



#70

Pentachlorophenol

Concen: 2.786 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

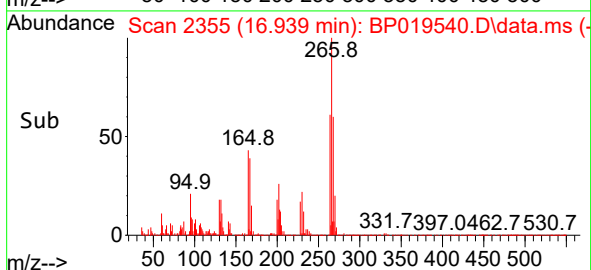
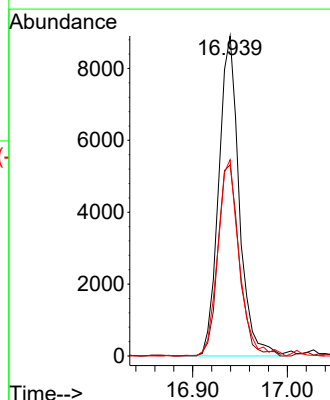
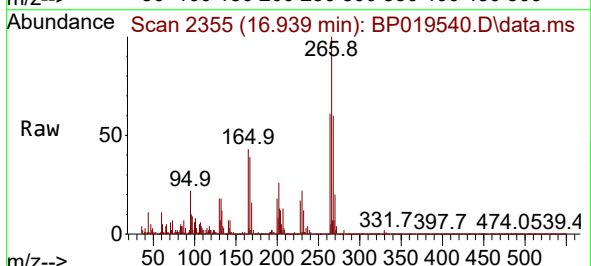
Tgt Ion:266 Resp: 13373

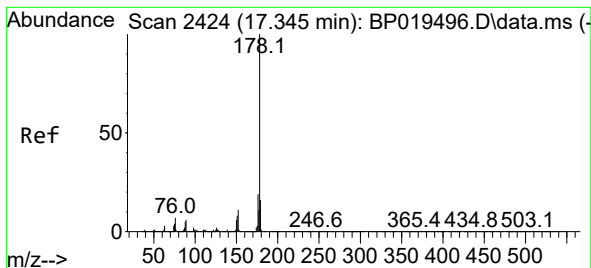
Ion Ratio Lower Upper

266 100

268 66.2 50.3 75.5

264 61.3 49.7 74.5





#71

Phenanthrene

Concen: 3.890 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

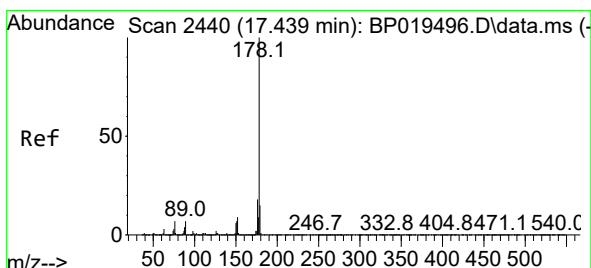
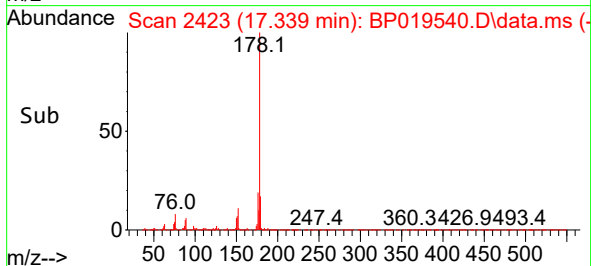
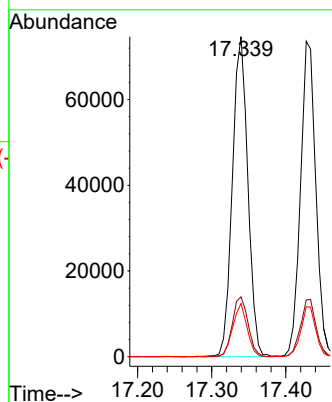
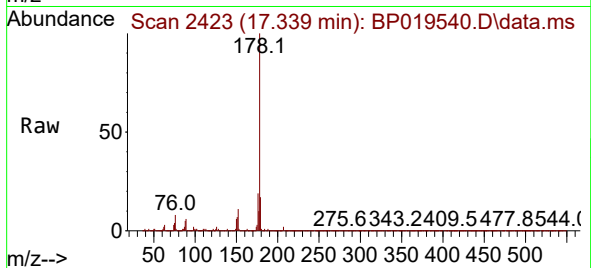
Tgt Ion:178 Resp: 108112

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 16.6 12.6 19.0



#72

Anthracene

Concen: 3.818 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

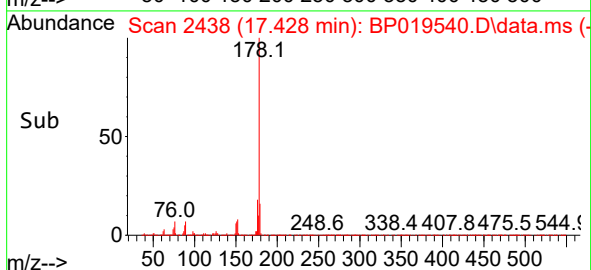
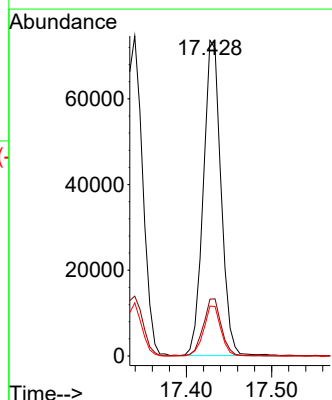
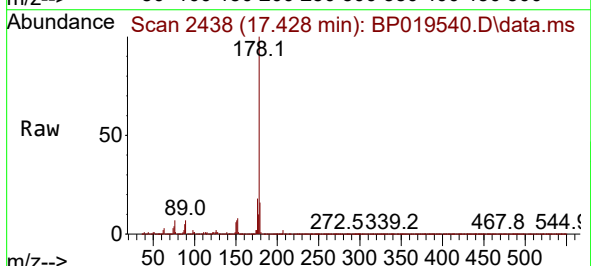
Tgt Ion:178 Resp: 105848

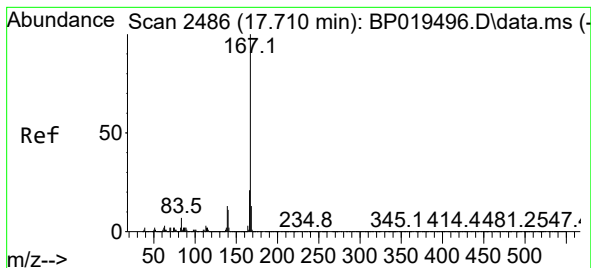
Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 15.8 12.2 18.2





#73

Carbazole

Concen: 3.537 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

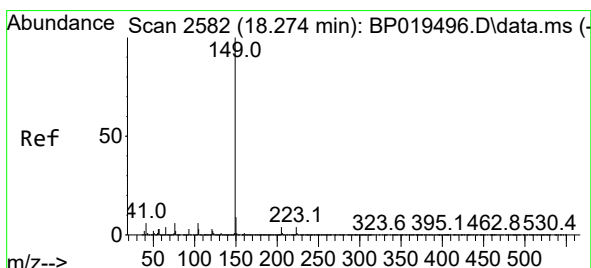
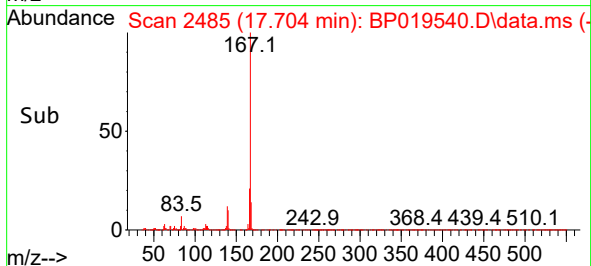
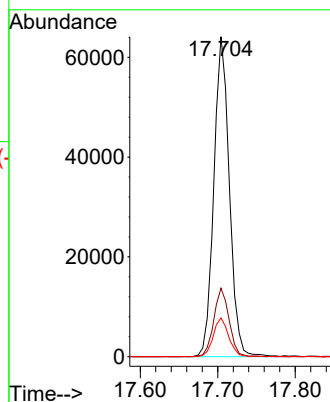
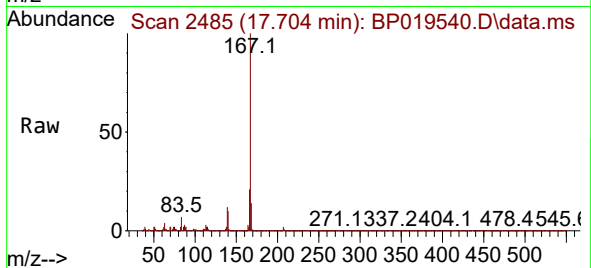
Tgt Ion:167 Resp: 89077

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 12.1 10.6 15.8



#74

Di-n-butylphthalate

Concen: 3.290 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

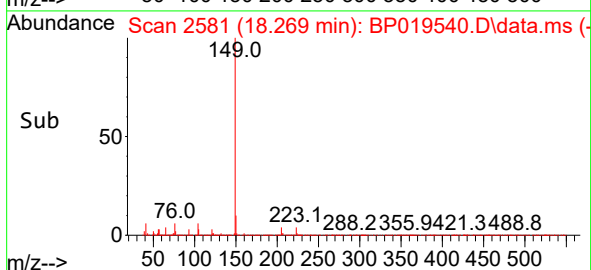
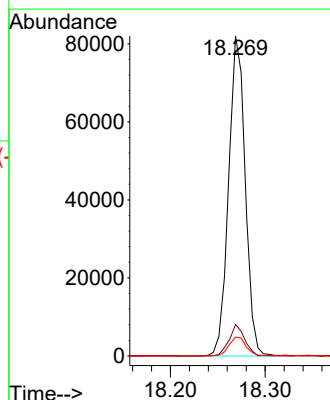
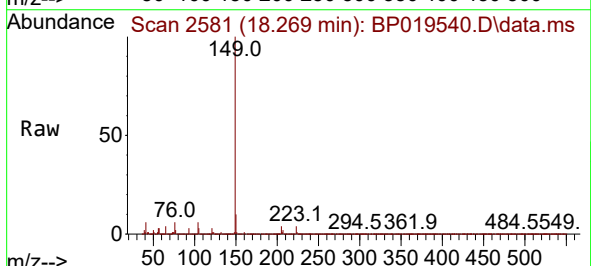
Tgt Ion:149 Resp: 100187

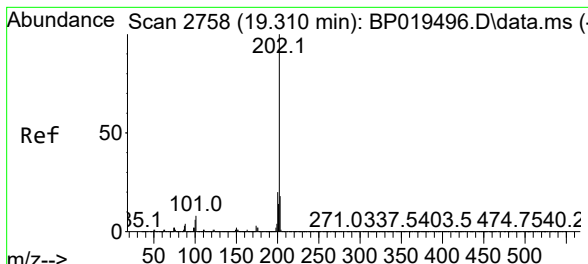
Ion Ratio Lower Upper

149 100

150 9.8 7.3 10.9

104 5.9 4.8 7.2

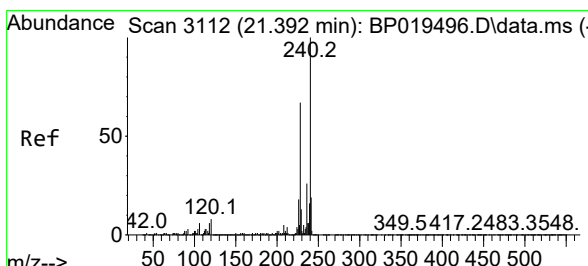
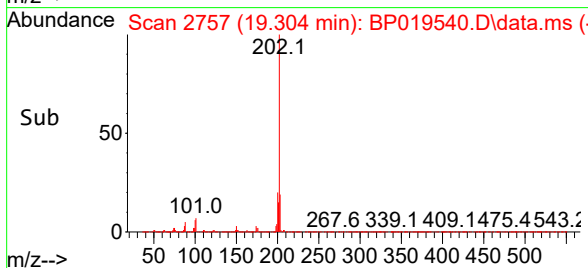
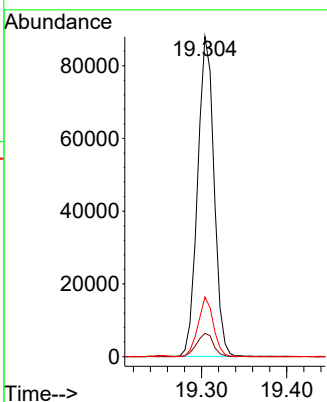
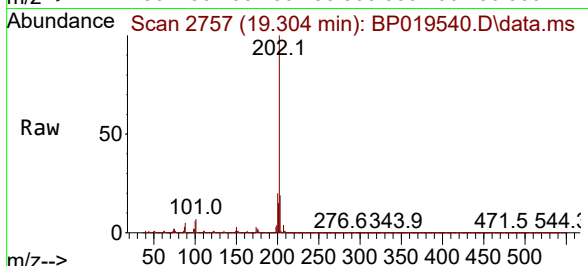




#75
 Fluoranthene
 Concen: 3.464 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019540.D
 Acq: 02 Feb 2024 22:25

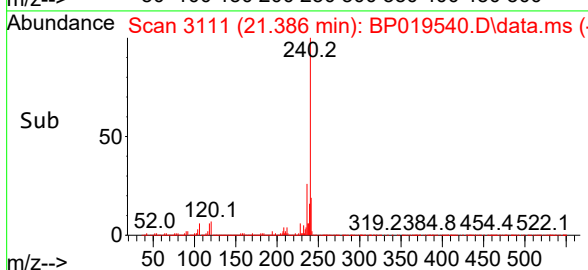
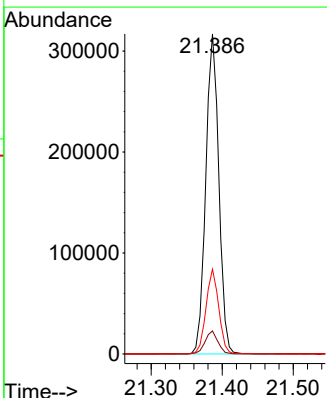
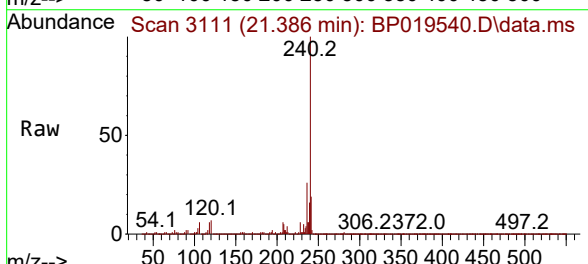
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

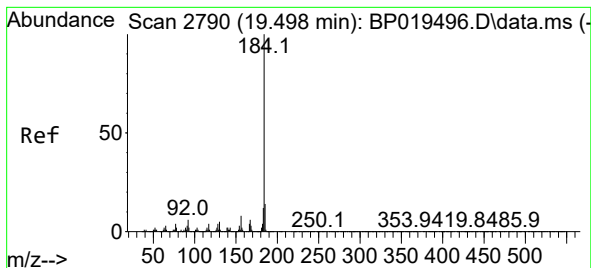
Tgt Ion:	202	Resp:	117604
Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	27.7
203	18.6	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019540.D
 Acq: 02 Feb 2024 22:25

Tgt Ion:	240	Resp:	404239
Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.1	9.1
236	26.5	20.7	31.1





#77

Benzidine

Concen: 5.255 ng

RT: 19.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

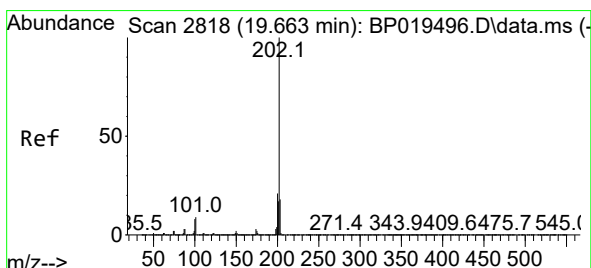
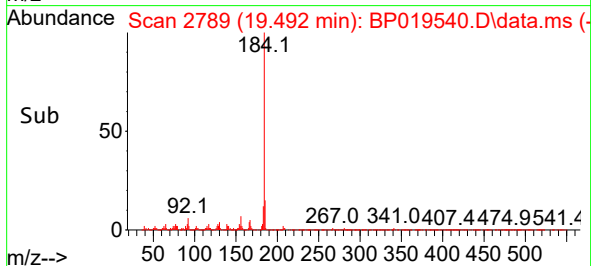
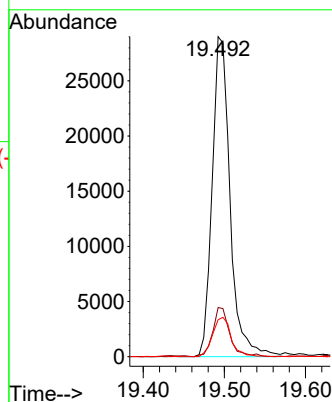
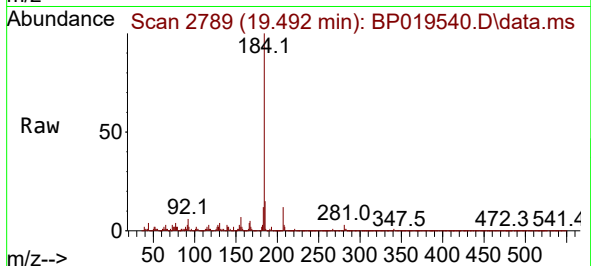
Tgt Ion:184 Resp: 44412

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

183 11.5 9.7 14.5



#78

Pyrene

Concen: 4.154 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

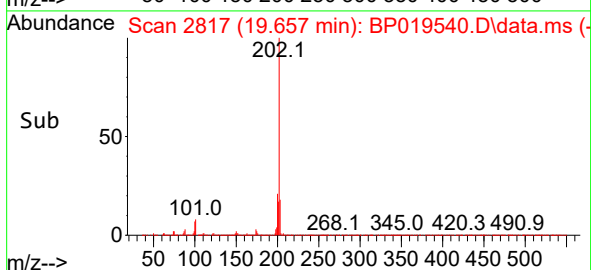
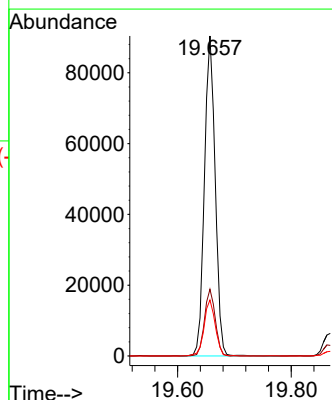
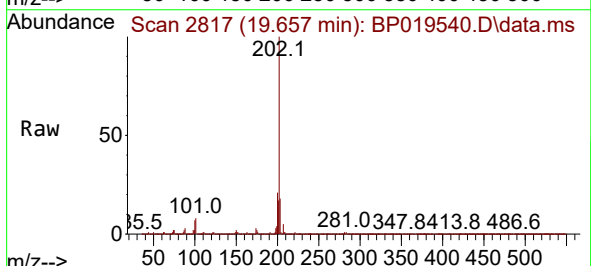
Tgt Ion:202 Resp: 118512

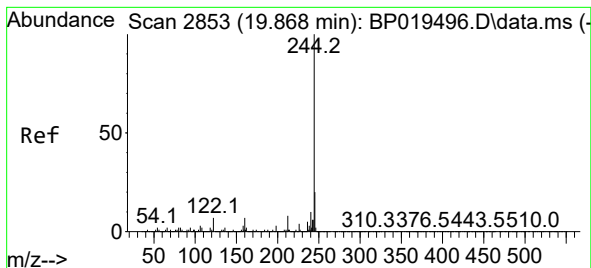
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 91.190 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

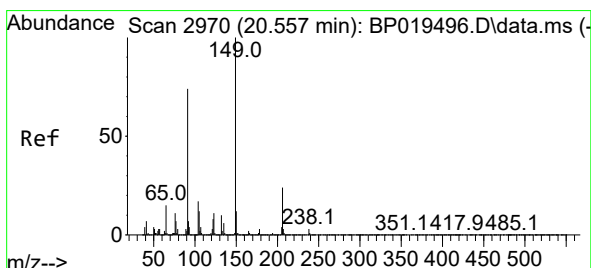
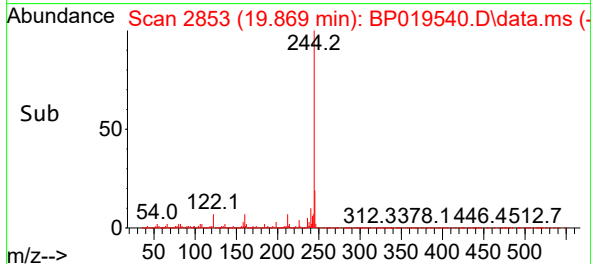
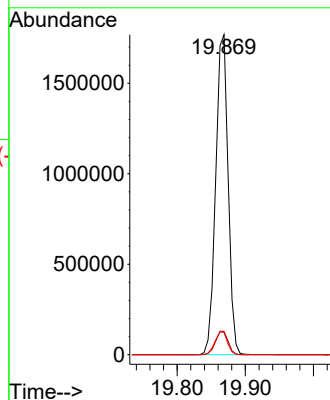
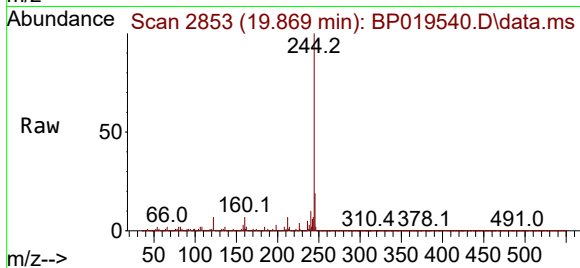
Tgt Ion:244 Resp: 2241517

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 7.0 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.181 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

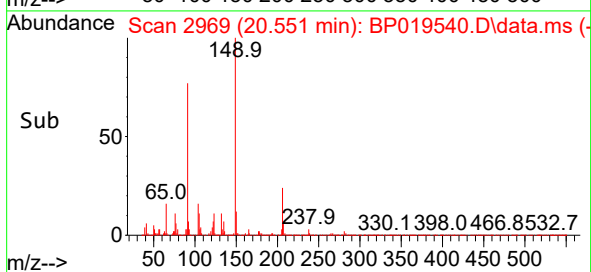
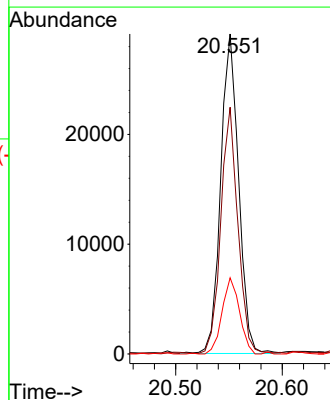
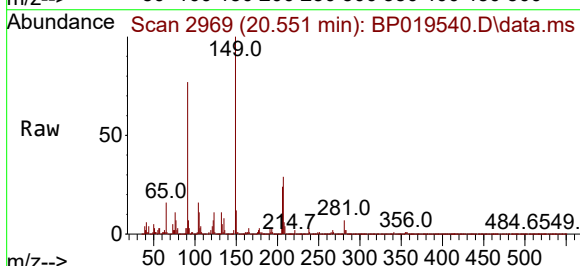
Tgt Ion:149 Resp: 33896

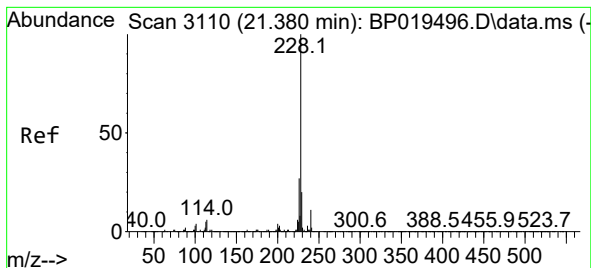
Ion Ratio Lower Upper

149 100

91 77.1 59.4 89.0

206 23.8 19.0 28.6





#81

Benzo(a)anthracene

Concen: 3.761 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

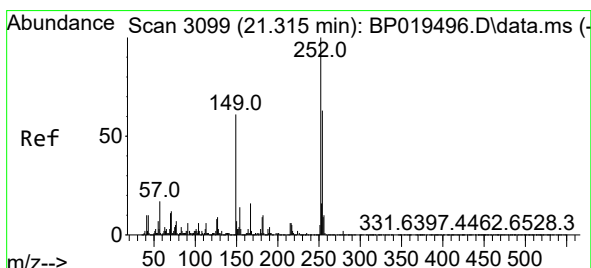
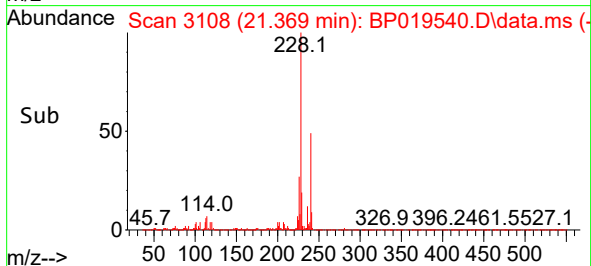
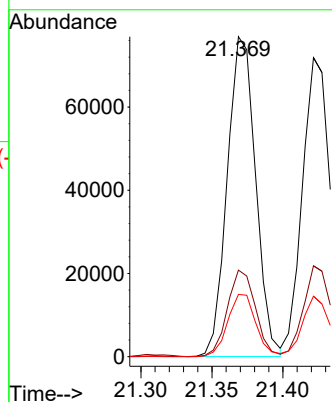
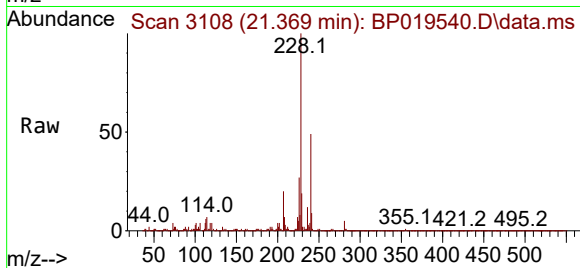
Tgt Ion:228 Resp: 107009

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 3.544 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

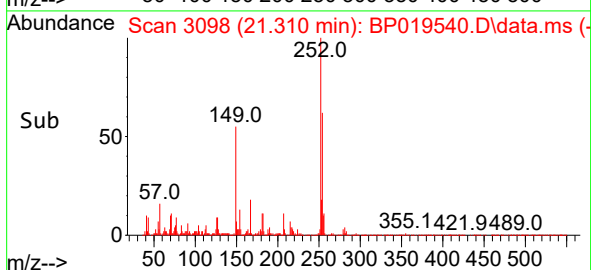
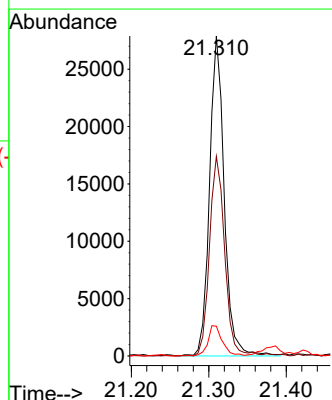
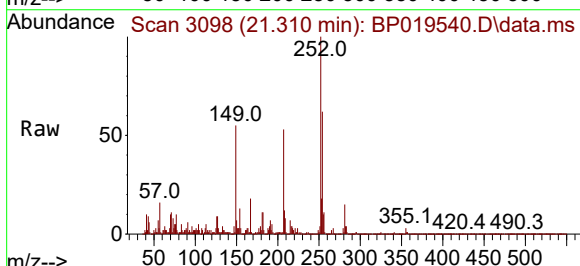
Tgt Ion:252 Resp: 36746

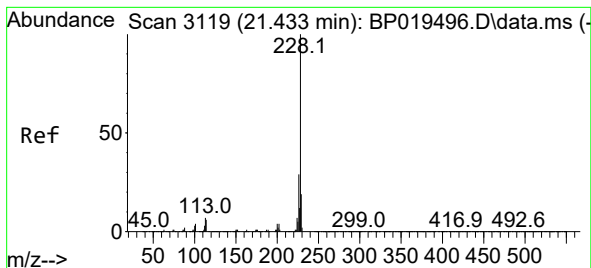
Ion Ratio Lower Upper

252 100

254 62.3 50.7 76.1

126 9.3 6.4 9.6





#83

Chrysene

Concen: 3.652 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

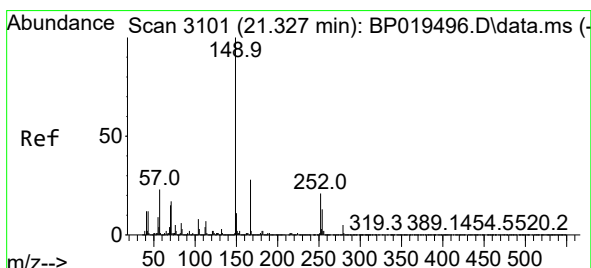
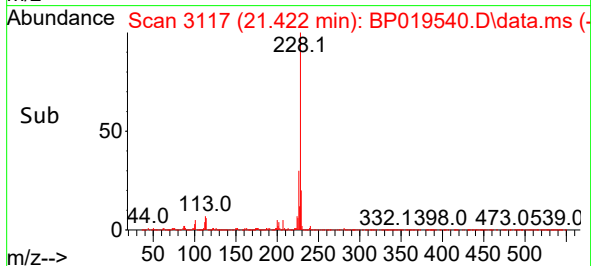
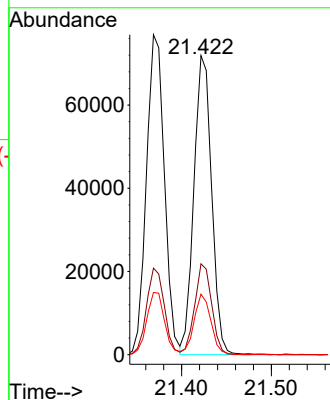
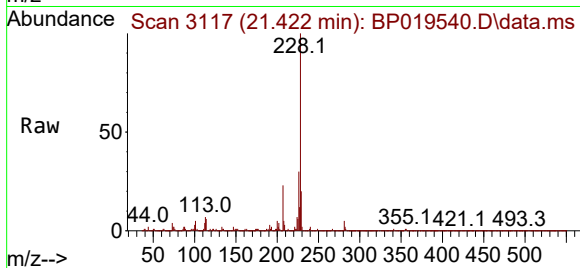
Tgt Ion:228 Resp: 98669

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.873 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

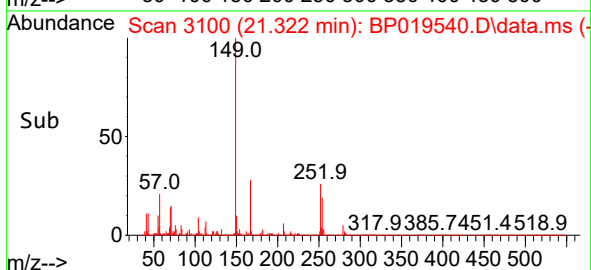
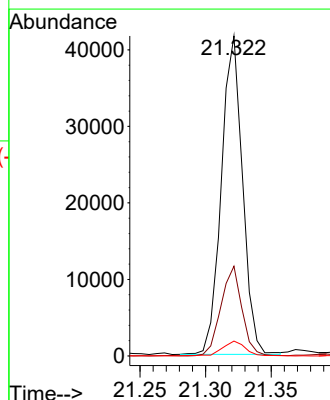
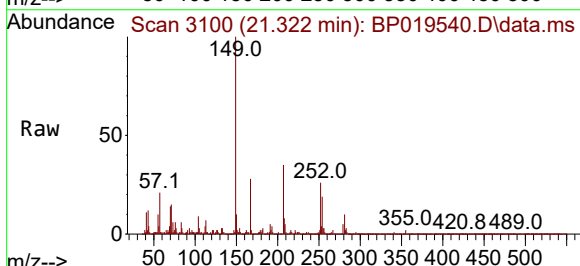
Tgt Ion:149 Resp: 46603

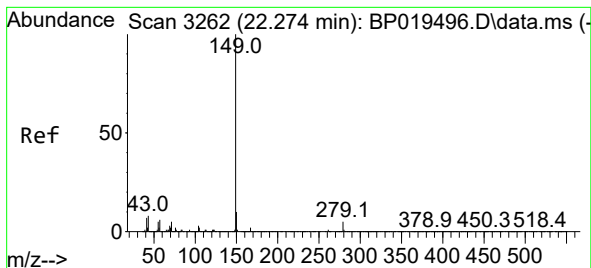
Ion Ratio Lower Upper

149 100

167 28.0 22.7 34.1

279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.543 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

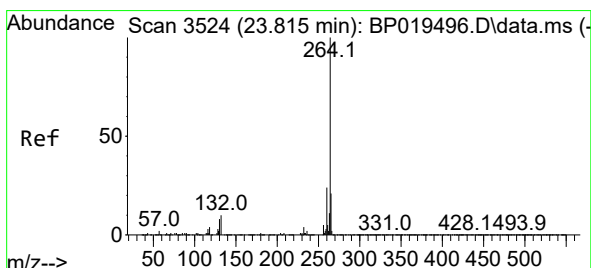
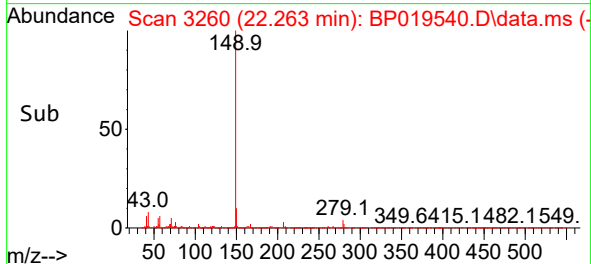
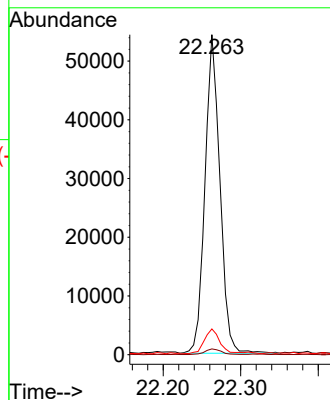
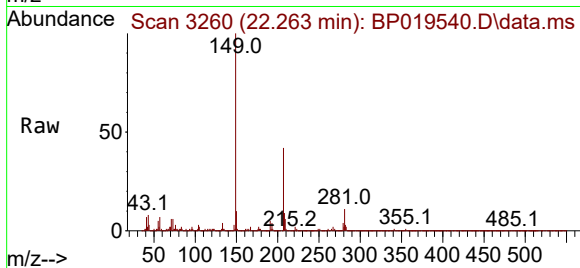
Tgt Ion:149 Resp: 72599

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9#

43 8.3 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

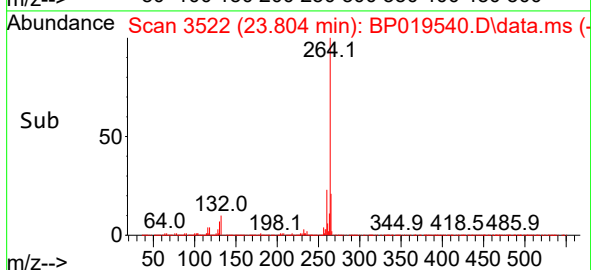
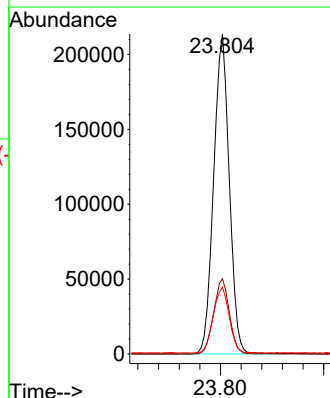
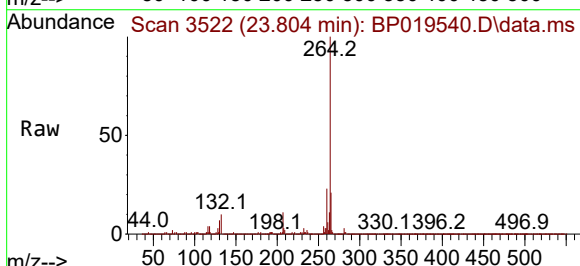
Tgt Ion:264 Resp: 447374

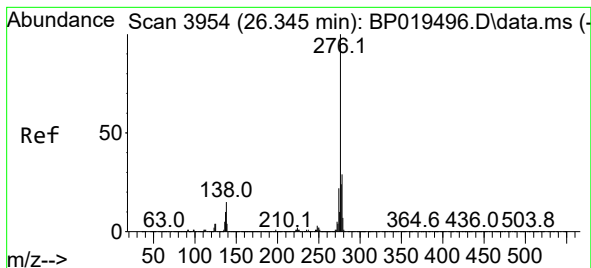
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.591 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

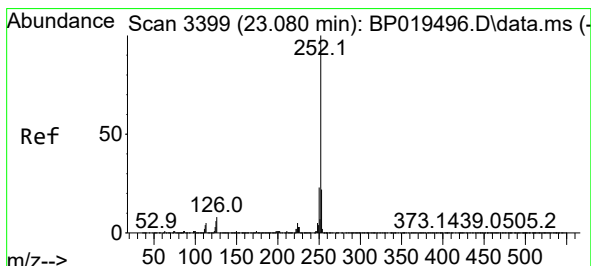
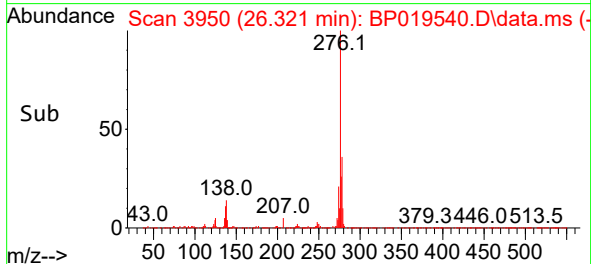
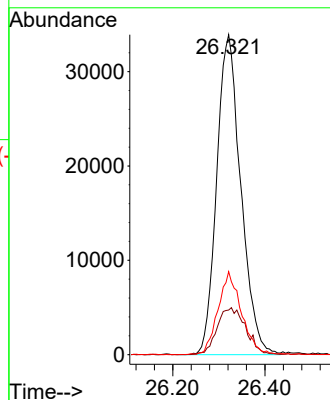
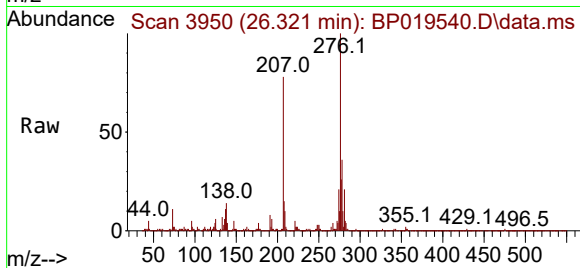
Tgt Ion:276 Resp: 122960

Ion Ratio Lower Upper

276 100

138 17.3 13.1 19.7

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.439 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

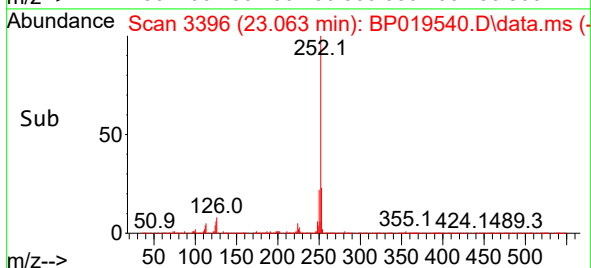
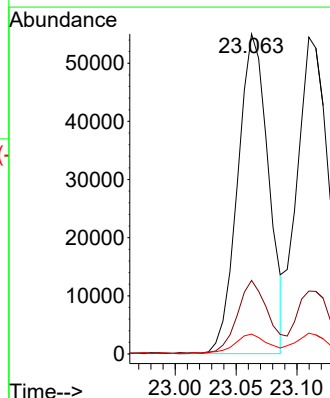
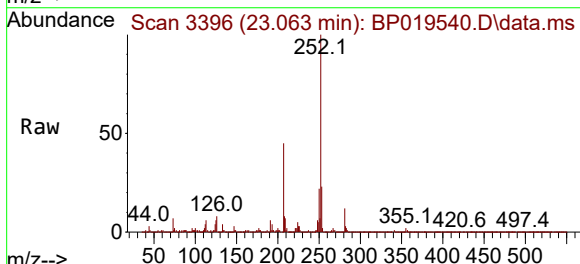
Tgt Ion:252 Resp: 96978

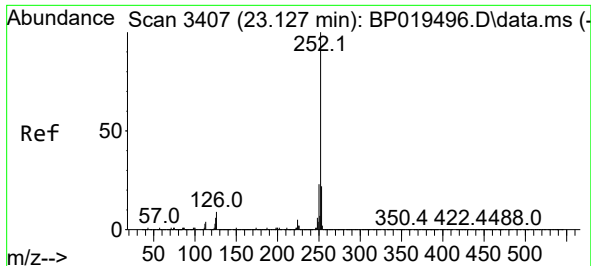
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 6.2 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 3.631 ng

RT: 23.110 min Scan# 3407

Delta R.T. -0.017 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

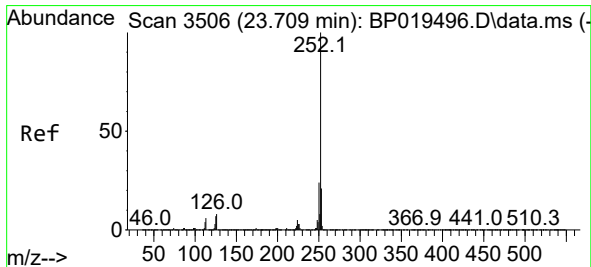
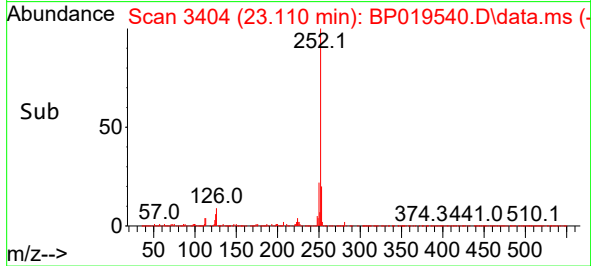
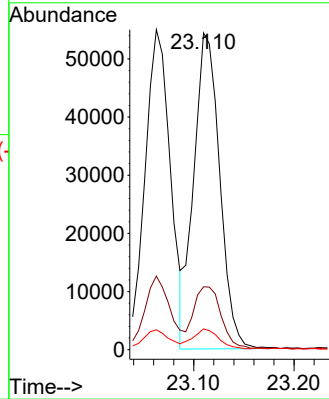
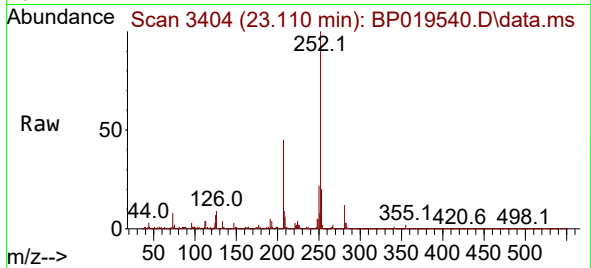
Tgt Ion:252 Resp: 97794

Ion Ratio Lower Upper

252 100

253 19.8 17.1 25.7

125 6.5 5.0 7.6



#90

Benzo(a)pyrene

Concen: 3.441 ng

RT: 23.692 min Scan# 3503

Delta R.T. -0.017 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

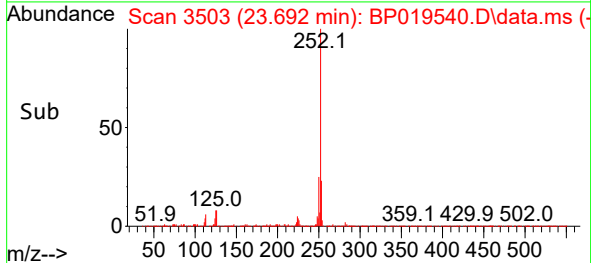
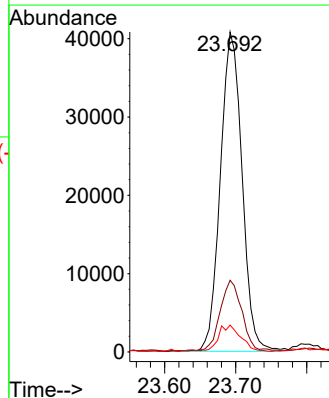
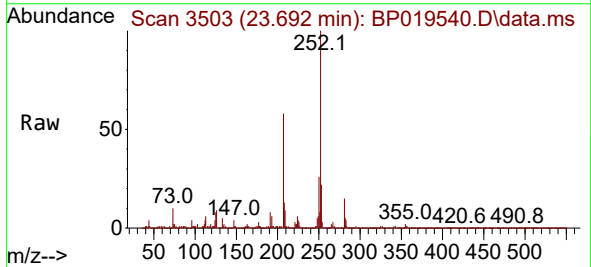
Tgt Ion:252 Resp: 86322

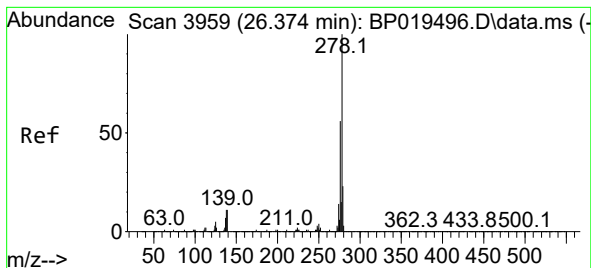
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 8.4 5.6 8.4#





#91

Dibenzo(a,h)anthracene

Concen: 3.641 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

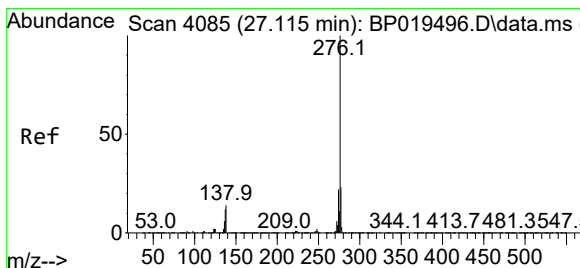
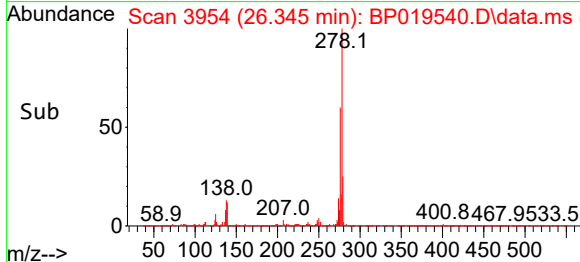
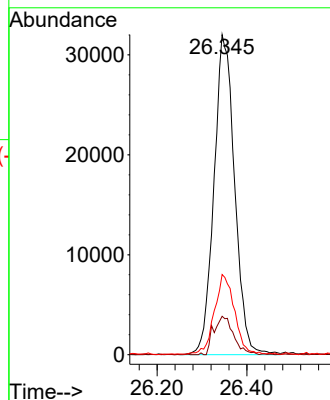
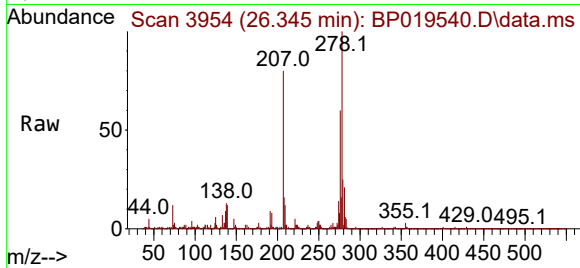
Tgt Ion:278 Resp: 102562

Ion Ratio Lower Upper

278 100

139 12.0 8.6 12.8

279 25.1 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.434 ng

RT: 27.086 min Scan# 4080

Delta R.T. -0.029 min

Lab File: BP019540.D

Acq: 02 Feb 2024 22:25

Tgt Ion:276 Resp: 98112

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 14.5 10.9 16.3

