

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019543.D
 Acq On : 03 Feb 2024 00:07
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 03 00:47:16 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	53315	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	229812	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	168864	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	372160	20.000	ng	0.00
76) Chrysene-d12	21.386	240	264982	20.000	ng	0.00
86) Perylene-d12	23.804	264	284060	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	674005	203.778	ng	0.00
7) Phenol-d6	7.081	99	920474	206.395	ng	0.00
23) Nitrobenzene-d5	9.081	82	623145	117.495	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	563716	228.638	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1563009	114.426	ng	0.00
79) Terphenyl-d14	19.869	244	2374542	147.370	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	16789	13.175	ng	97
3) Pyridine	3.787	79	38884	11.255	ng	98
4) n-Nitrosodimethylamine	3.711	42	18649	12.398	ng	94
6) Aniline	7.246	93	62870	14.508	ng	99
8) 2-Chlorophenol	7.469	128	39955	11.766	ng	98
9) Benzaldehyde	7.058	77	44548	14.247	ng	99
10) Phenol	7.105	94	55334	12.449	ng	93
11) bis(2-Chloroethyl)ether	7.346	93	43493	12.577	ng	96
12) 1,3-Dichlorobenzene	7.793	146	48440	11.658	ng	99
13) 1,4-Dichlorobenzene	7.946	146	48791	11.590	ng	99
14) 1,2-Dichlorobenzene	8.258	146	47743	11.722	ng	98
15) Benzyl Alcohol	8.152	79	46298	12.993	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.452	45	44405	12.841	ng	95
17) 2-Methylphenol	8.357	107	37473	12.522	ng	98
18) Hexachloroethane	8.981	117	18616	11.409	ng	95
19) n-Nitroso-di-n-propyla...	8.722	70	41678	13.682	ng	98
20) 3+4-Methylphenols	8.681	107	49841	12.204	ng	98
22) Acetophenone	8.740	105	78462	11.984	ng	# 97
24) Nitrobenzene	9.122	77	61464	11.510	ng	100
25) Isophorone	9.646	82	113499	12.288	ng	98
26) 2-Nitrophenol	9.828	139	21942	10.777	ng	98
27) 2,4-Dimethylphenol	9.887	122	35950	13.808	ng	90
28) bis(2-Chloroethoxy)met...	10.134	93	62985	12.052	ng	100
29) 2,4-Dichlorophenol	10.357	162	44796	11.382	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	52092	10.795	ng	97
31) Naphthalene	10.757	128	142647	11.317	ng	99
32) Benzoic acid	9.963	122	22362	8.816	ng	# 82
33) 4-Chloroaniline	10.881	127	60615	13.004	ng	96
34) Hexachlorobutadiene	11.034	225	38107	10.657	ng	98
35) Caprolactam	11.651	113	14173	12.721	ng	94
36) 4-Chloro-3-methylphenol	11.998	107	52045	12.128	ng	99
37) 2-Methylnaphthalene	12.369	142	103968	11.919	ng	98
38) 1-Methylnaphthalene	12.587	142	103868	12.117	ng	99
40) 1,2,4,5-Tetrachloroben...	12.728	216	71055	10.911	ng	99
41) Hexachlorocyclopentadiene	12.704	237	37829	12.858	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	41482	10.519	ng	98

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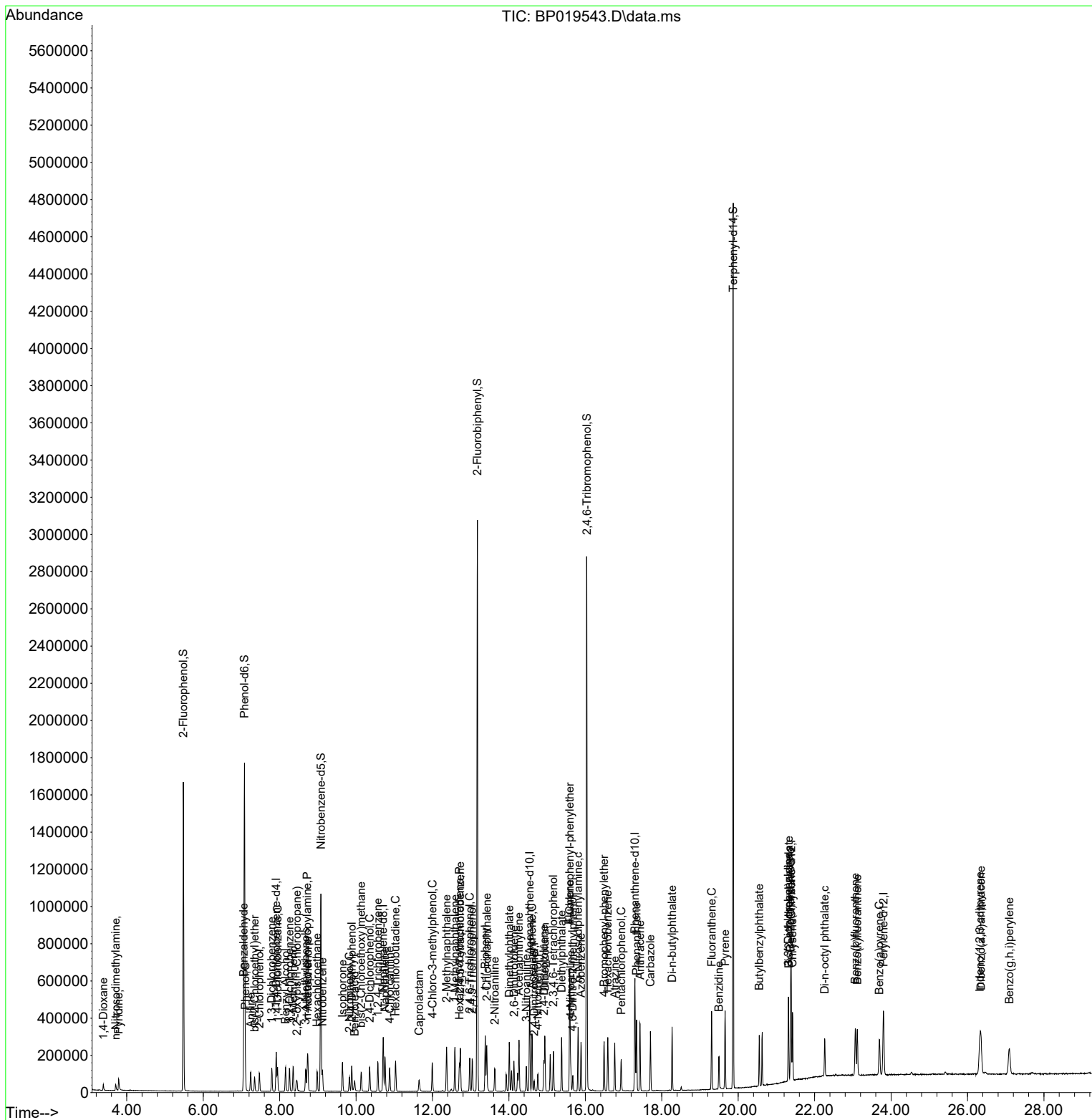
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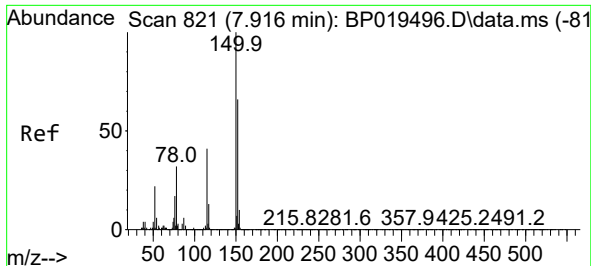
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	45736	10.562	ng	98
46) 1,1'-Biphenyl	13.381	154	152800	11.337	ng	98
47) 2-Chloronaphthalene	13.422	162	117915	10.658	ng	99
48) 2-Nitroaniline	13.634	65	33725	10.902	ng	94
49) Acenaphthylene	14.263	152	190065	12.245	ng	98
50) Dimethylphthalate	14.010	163	153542	11.878	ng	99
51) 2,6-Dinitrotoluene	14.134	165	31417	11.062	ng	97
52) Acenaphthene	14.604	154	108268	11.239	ng	99
53) 3-Nitroaniline	14.457	138	29787	11.412	ng #	97
54) 2,4-Dinitrophenol	14.663	184	13124	8.900	ng	89
55) Dibenzofuran	14.940	168	187329	11.939	ng	99
56) 4-Nitrophenol	14.757	139	21902	10.238	ng	99
57) 2,4-Dinitrotoluene	14.916	165	40901	10.989	ng #	98
58) Fluorene	15.592	166	150826	12.069	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.163	232	44364	12.180	ng	99
60) Diethylphthalate	15.381	149	153910	11.970	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	84195	11.987	ng	99
62) 4-Nitroaniline	15.616	138	28382	10.374	ng	93
63) Azobenzene	15.887	77	145646	11.714	ng	98
65) 4,6-Dinitro-2-methylph...	15.669	198	19952	9.402	ng	94
66) n-Nitrosodiphenylamine	15.810	169	128565	11.535	ng	100
67) 4-Bromophenyl-phenylether	16.492	248	50496	10.854	ng	97
68) Hexachlorobenzene	16.586	284	59784	11.004	ng	99
69) Atrazine	16.769	200	50844	13.747	ng	99
70) Pentachlorophenol	16.939	266	31628	9.348	ng	99
71) Phenanthrene	17.339	178	231943	11.843	ng	99
72) Anthracene	17.433	178	228733	11.707	ng	100
73) Carbazole	17.704	167	191762	10.804	ng	99
74) Di-n-butylphthalate	18.269	149	232505	10.834	ng	99
75) Fluoranthene	19.304	202	249655	10.435	ng	99
77) Benzidine	19.498	184	101889	18.392	ng	97
78) Pyrene	19.657	202	254280	13.597	ng	100
80) Butylbenzylphthalate	20.551	149	75526	10.814	ng	96
81) Benzo(a)anthracene	21.369	228	216305	11.596	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	73965	10.882	ng	98
83) Chrysene	21.422	228	199421	11.261	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	98968	9.306	ng	99
85) Di-n-octyl phthalate	22.263	149	150954	8.068	ng	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	251598	11.571	ng	99
88) Benzo(b)fluoranthene	23.063	252	201995	11.283	ng	99
89) Benzo(k)fluoranthene	23.116	252	184020	10.760	ng	99
90) Benzo(a)pyrene	23.692	252	172937	10.856	ng	99
91) Dibenzo(a,h)anthracene	26.351	278	208096	11.636	ng	98
92) Benzo(g,h,i)perylene	27.098	276	205292	11.315	ng	99

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

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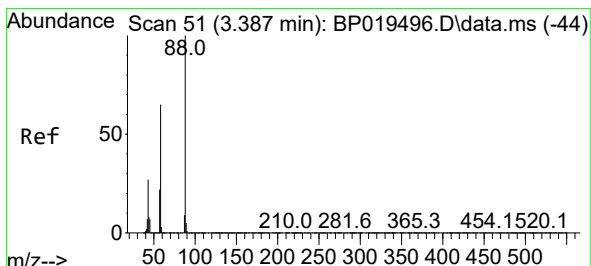
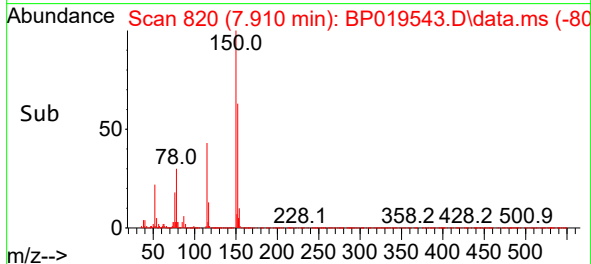
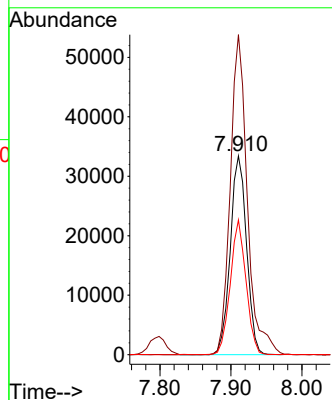
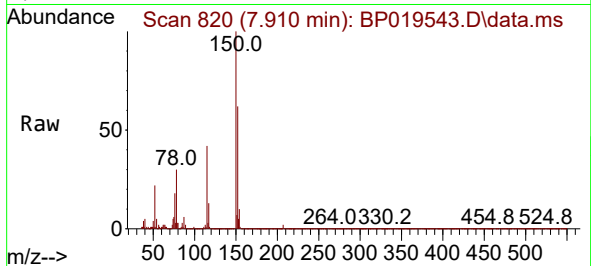




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

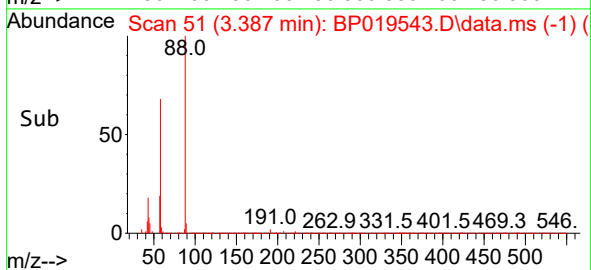
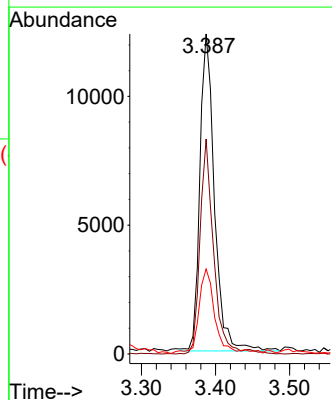
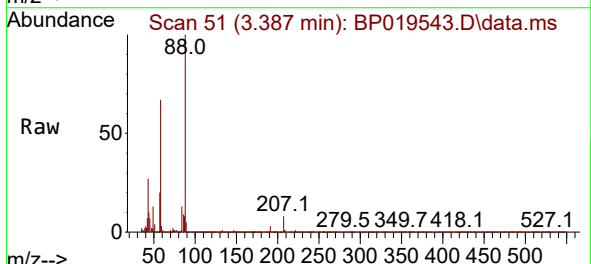
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LOD-MDL-SOIL-01-QT4-2023

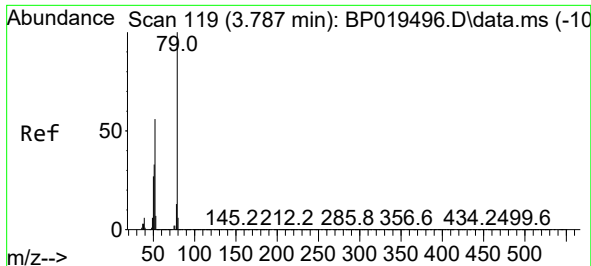
Tgt Ion:152 Resp: 53315
Ion Ratio Lower Upper
152 100
150 161.0 121.8 182.8
115 67.8 49.9 74.9



#2
1,4-Dioxane
Concen: 13.175 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 88 Resp: 16789
Ion Ratio Lower Upper
88 100
58 63.6 52.6 78.8
43 28.5 21.9 32.9

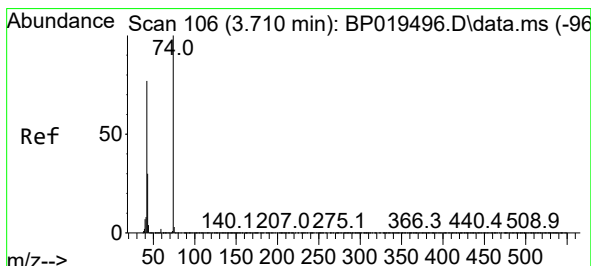
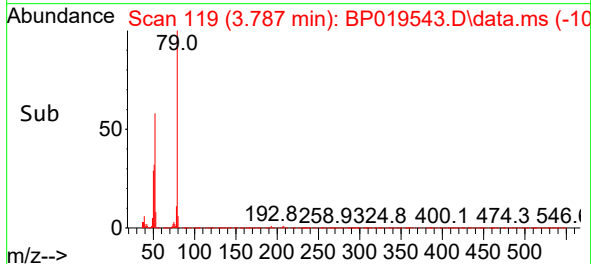
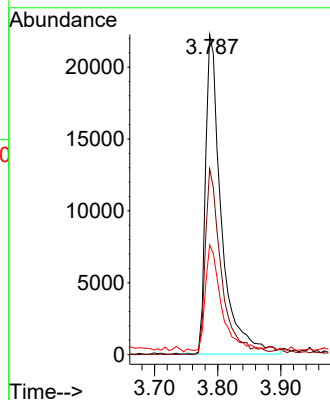
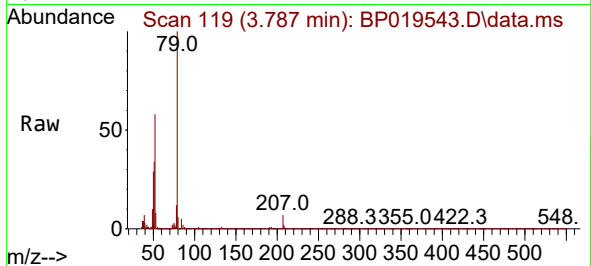




#3
Pyridine
Concen: 11.255 ng
RT: 3.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

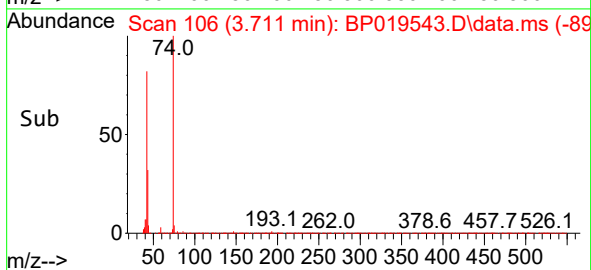
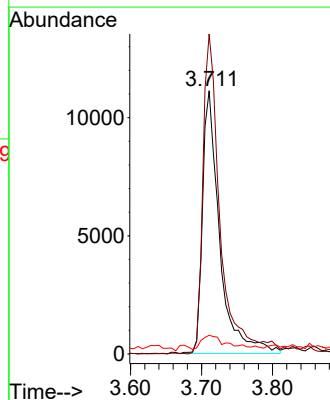
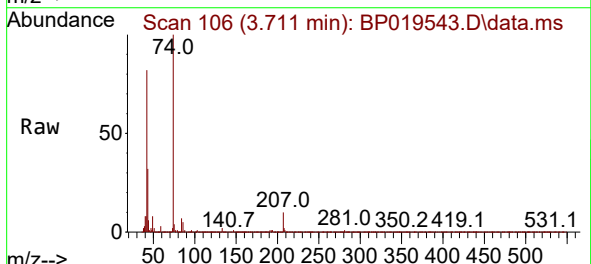
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BNA_P
ClientSampleId :
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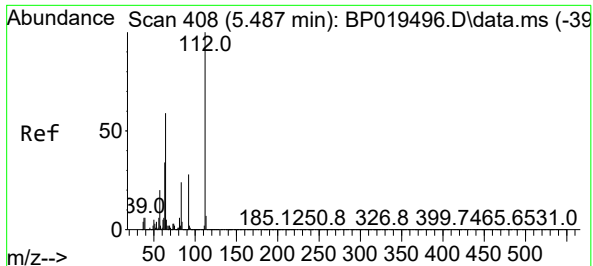
Tgt Ion: 79 Resp: 38884
Ion Ratio Lower Upper
79 100
52 58.1 45.0 67.6
51 34.3 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 12.398 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 42 Resp: 18649
Ion Ratio Lower Upper
42 100
74 121.6 103.4 155.2
44 7.1 4.8 7.2

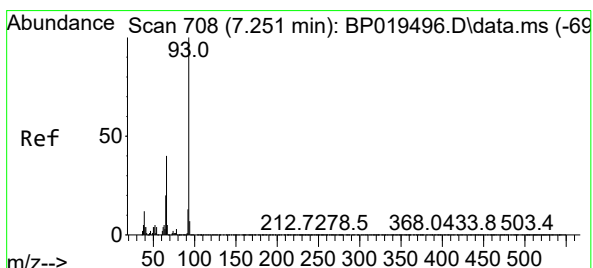
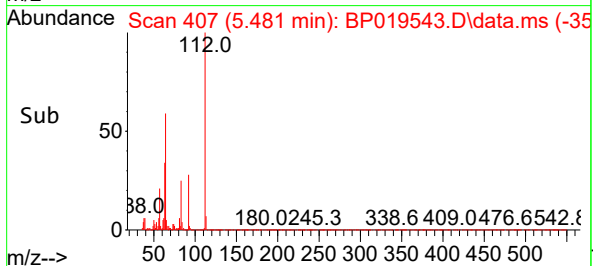
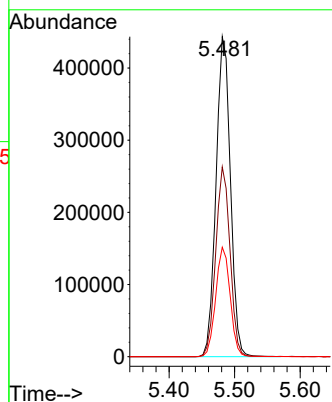
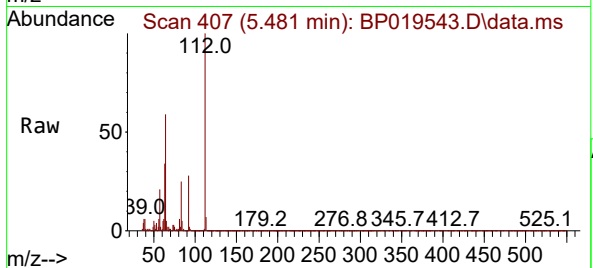




#5
2-Fluorophenol
Concen: 203.778 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

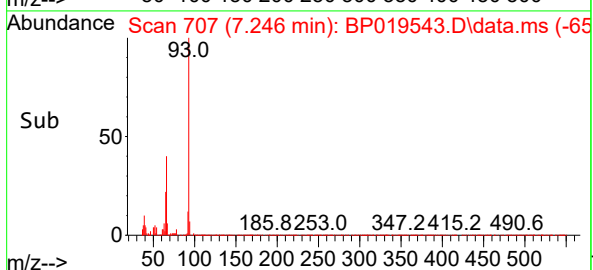
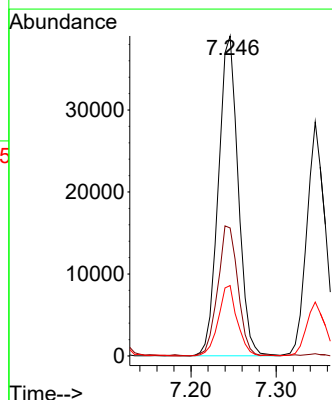
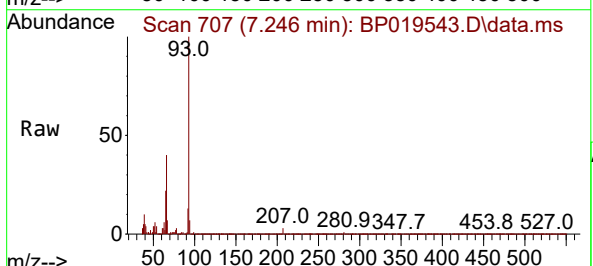
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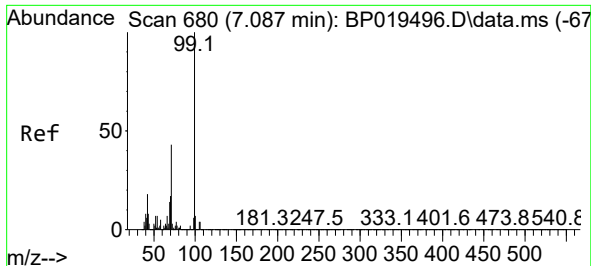
Tgt Ion:112 Resp: 674005
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.0
63 34.2 27.0 40.6



#6
Aniline
Concen: 14.508 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 93 Resp: 62870
Ion Ratio Lower Upper
93 100
66 40.0 32.3 48.5
65 22.0 16.4 24.6

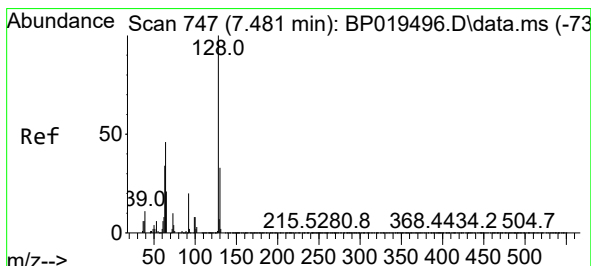
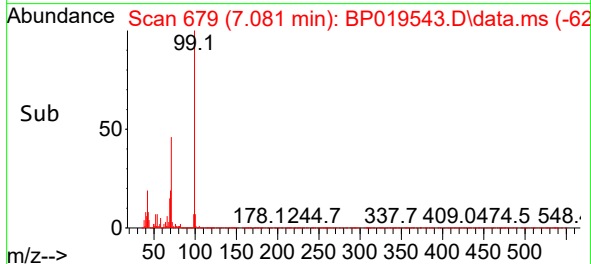
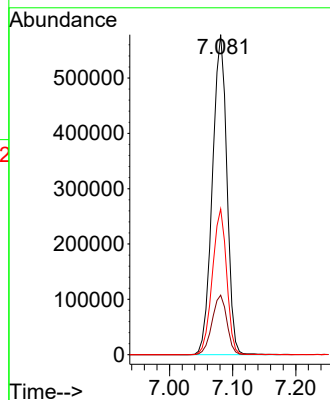
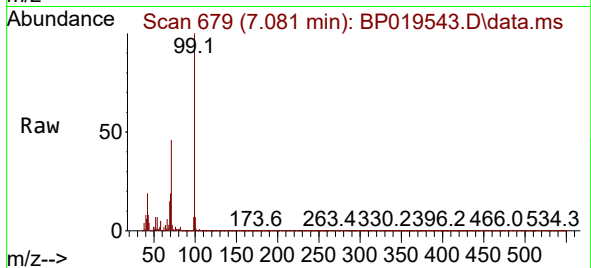




#7
Phenol-d6
Concen: 206.395 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

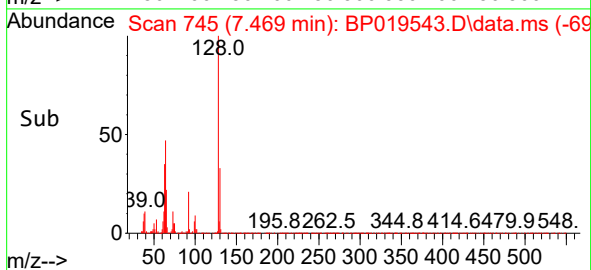
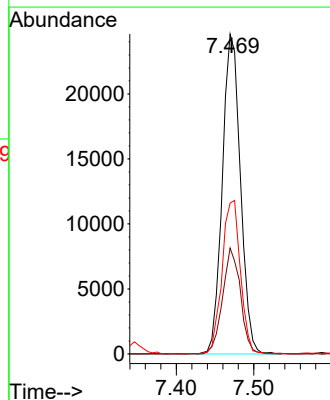
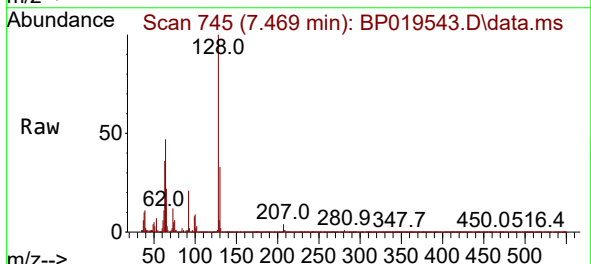
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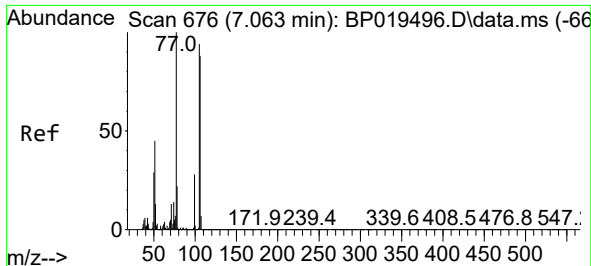
Tgt Ion: 99 Resp: 920474
Ion Ratio Lower Upper
99 100
42 18.6 14.7 22.1
71 45.6 34.8 52.2



#8
2-Chlorophenol
Concen: 11.766 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:128 Resp: 39955
Ion Ratio Lower Upper
128 100
130 33.1 13.3 53.3
64 47.1 29.7 69.7

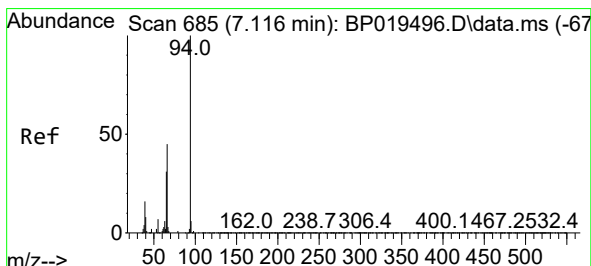
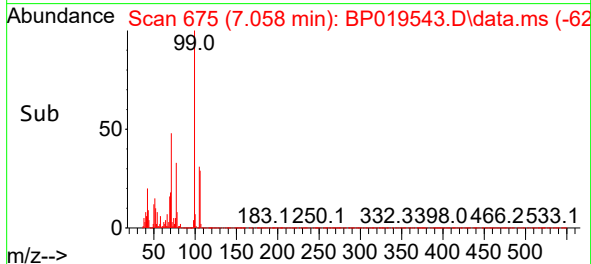
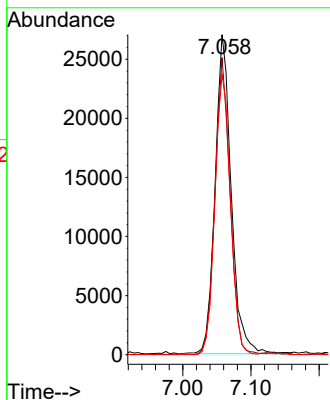
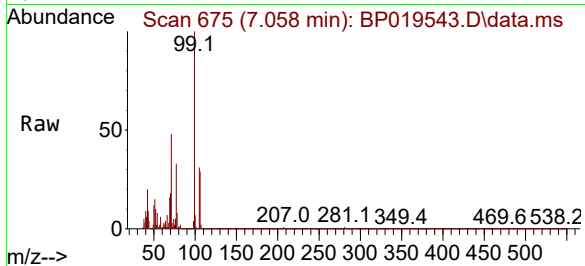




#9
Benzaldehyde
Concen: 14.247 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

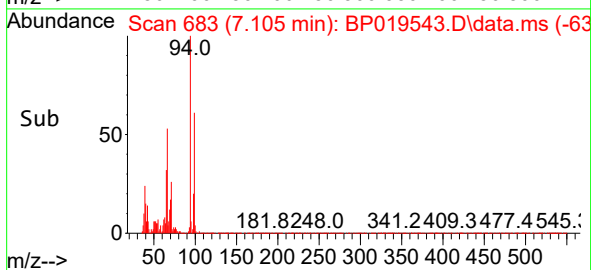
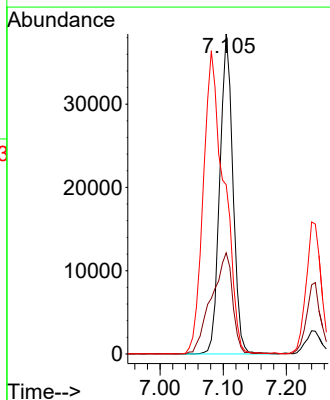
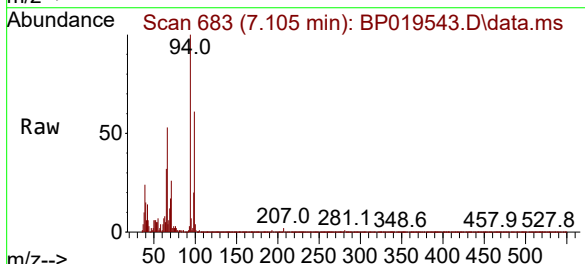
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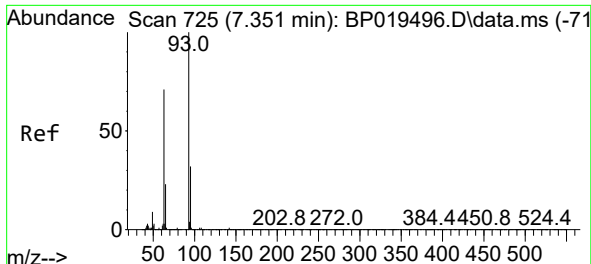
Tgt Ion: 77 Resp: 44548
Ion Ratio Lower Upper
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105 92.9 74.0 114.0
106 87.6 67.8 107.8



#10
Phenol
Concen: 12.449 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 94 Resp: 55334
Ion Ratio Lower Upper
94 100
65 31.6 11.3 51.3
66 52.9 25.1 65.1

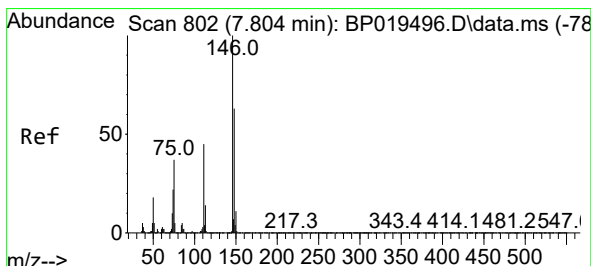
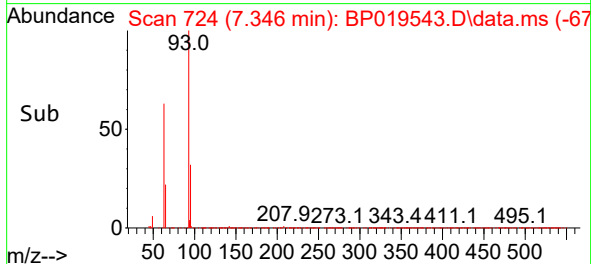
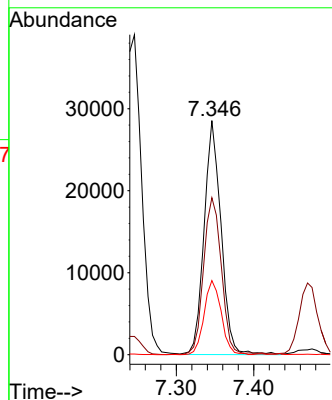
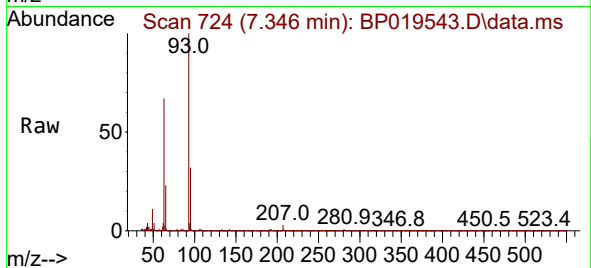




#11
bis(2-Chloroethyl)ether
Concen: 12.577 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

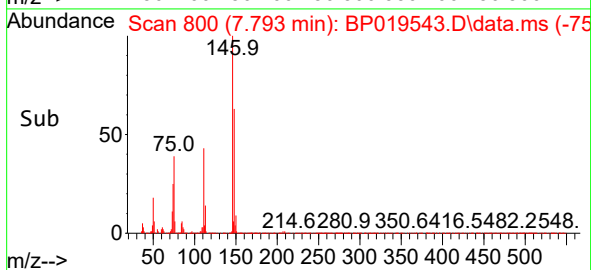
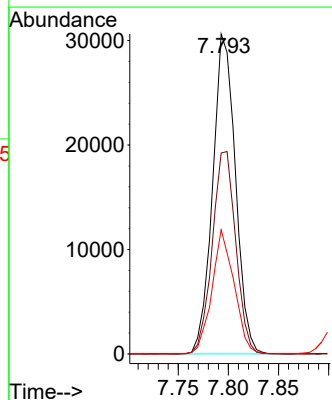
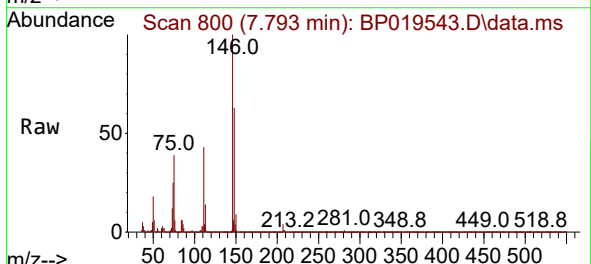
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

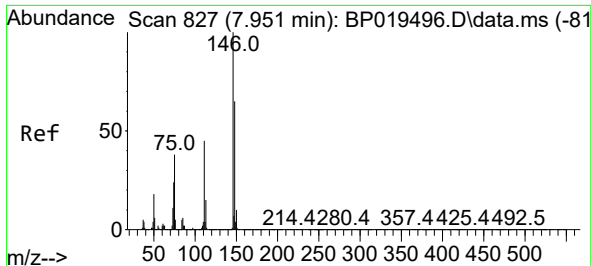
Tgt Ion: 93 Resp: 43493
Ion Ratio Lower Upper
93 100
63 67.0 51.2 91.2
95 31.6 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 11.658 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:146 Resp: 48440
Ion Ratio Lower Upper
146 100
148 62.8 50.4 75.6
75 38.8 29.9 44.9

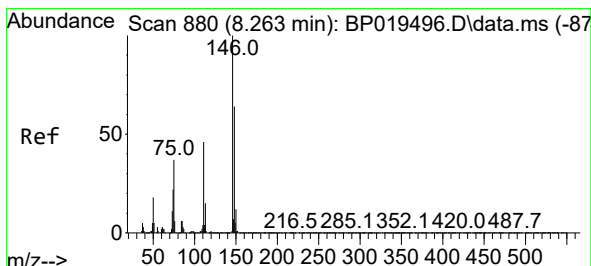
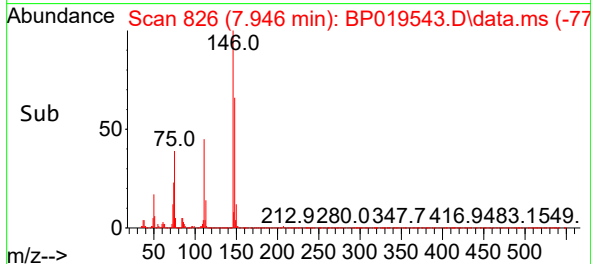
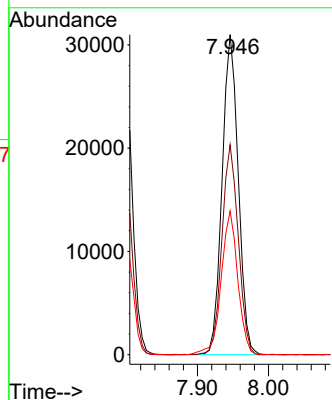
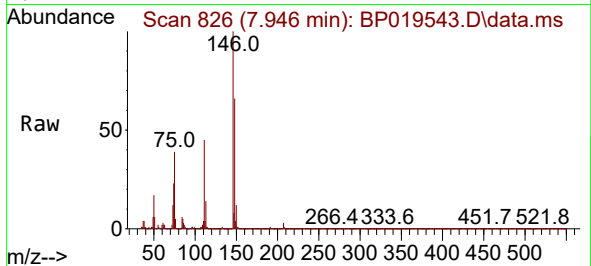




#13
1,4-Dichlorobenzene
Concen: 11.590 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

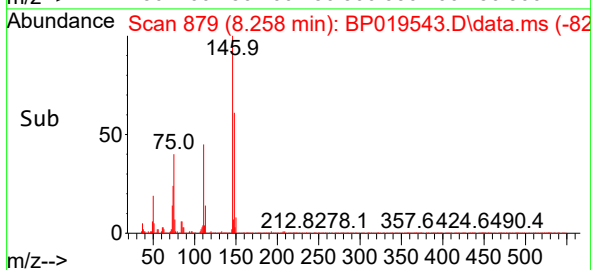
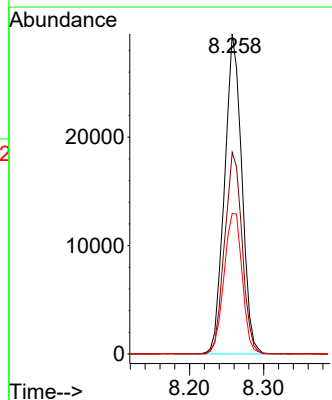
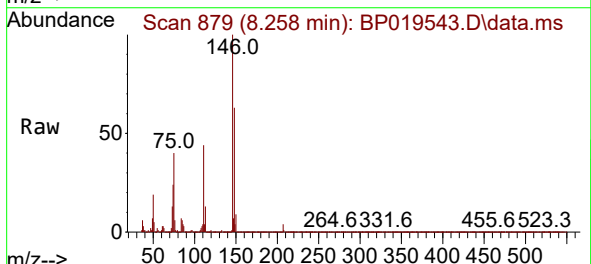
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

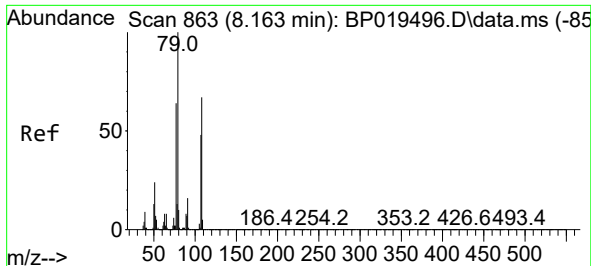
Tgt Ion:146 Resp: 48791
Ion Ratio Lower Upper
146 100
148 65.6 51.9 77.9
111 44.9 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 11.722 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:146 Resp: 47743
Ion Ratio Lower Upper
146 100
148 63.0 51.4 77.0
111 43.9 37.0 55.6

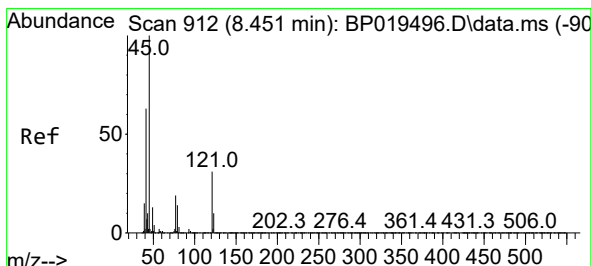
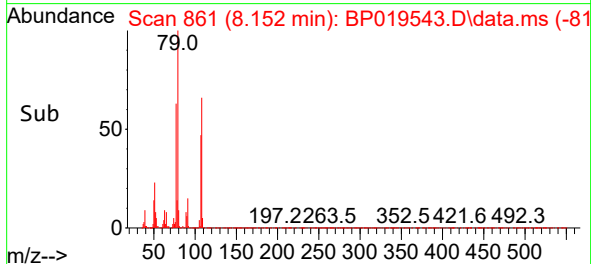
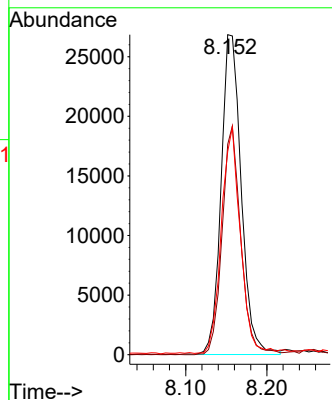
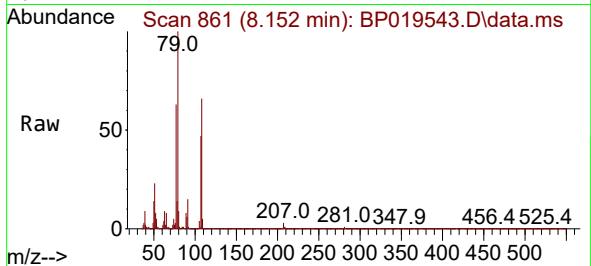




#15
Benzyl Alcohol
Concen: 12.993 ng
RT: 8.152 min Scan# 80
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

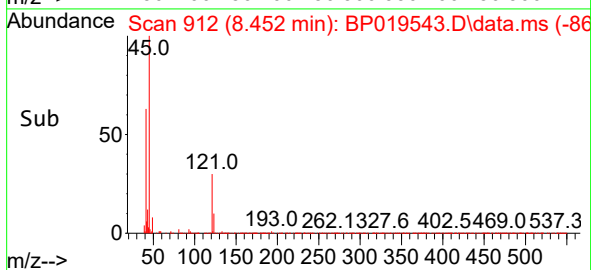
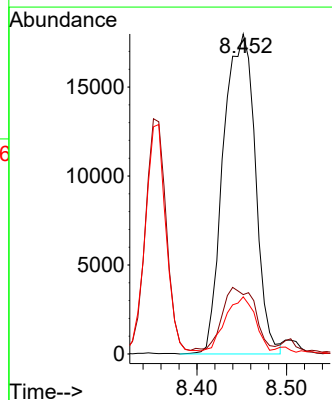
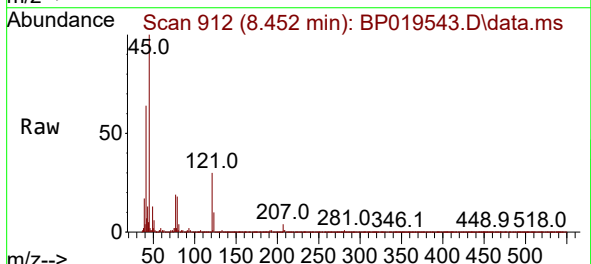
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

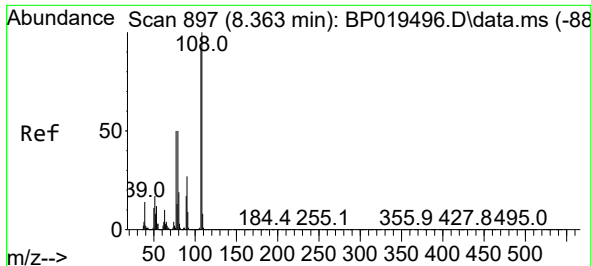
Tgt Ion: 79 Resp: 46298
Ion Ratio Lower Upper
79 100
108 65.7 53.8 80.6
77 63.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.841 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 45 Resp: 44405
Ion Ratio Lower Upper
45 100
77 18.5 0.8 40.8
79 17.8 0.0 35.5

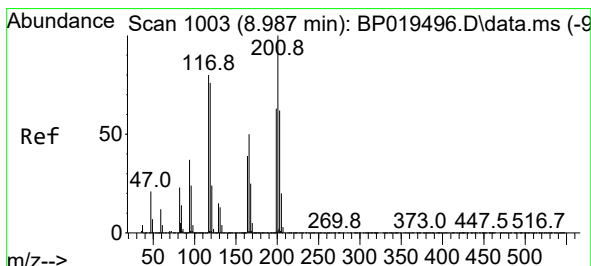
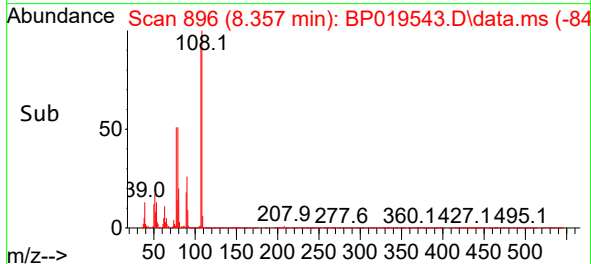
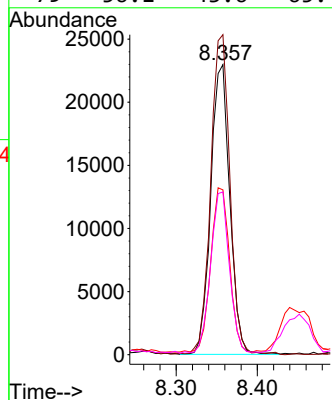
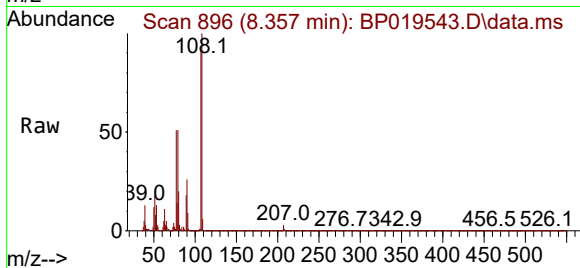




#17
2-Methylphenol
Concen: 12.522 ng
RT: 8.357 min Scan# 897
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

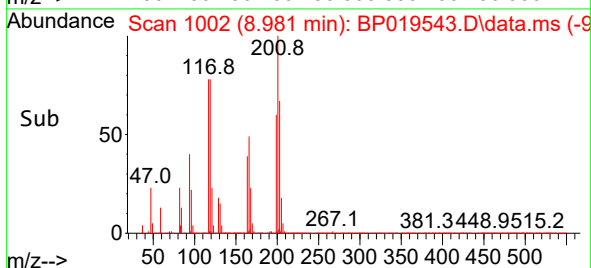
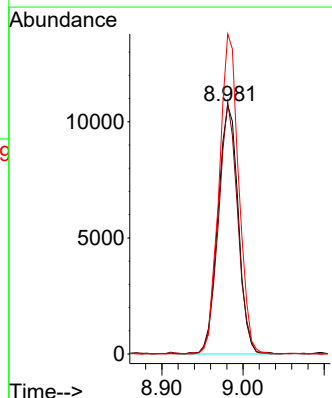
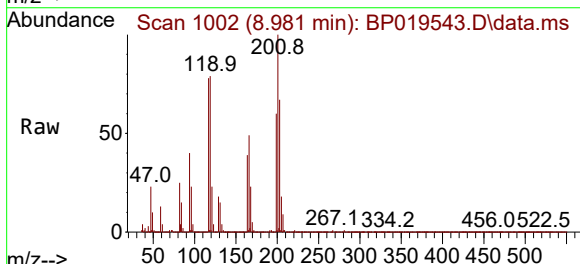
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

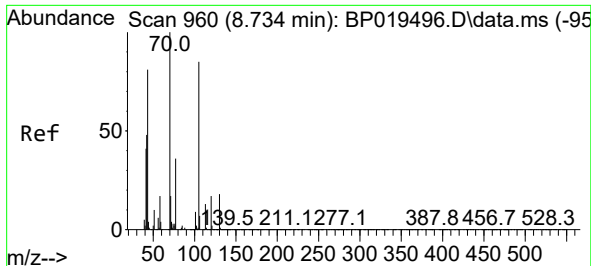
Tgt Ion:	107	Resp:	37473
Ion	Ratio	Lower	Upper
107	100		
108	110.3	87.0	130.6
77	56.8	43.5	65.3
79	56.1	43.6	65.4



#18
Hexachloroethane
Concen: 11.409 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:	117	Resp:	18616
Ion	Ratio	Lower	Upper
117	100		
119	101.4	75.5	113.3
201	128.8	99.4	149.2



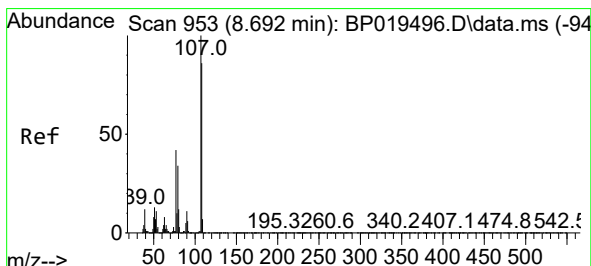
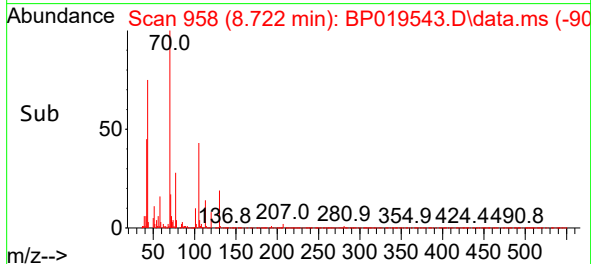
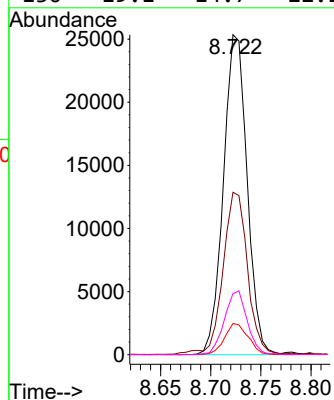
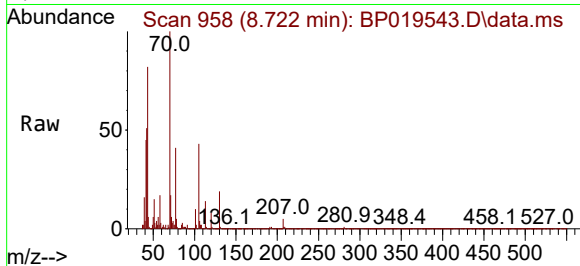


#19
n-Nitroso-di-n-propylamine
Concen: 13.682 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 70 Resp: 41678

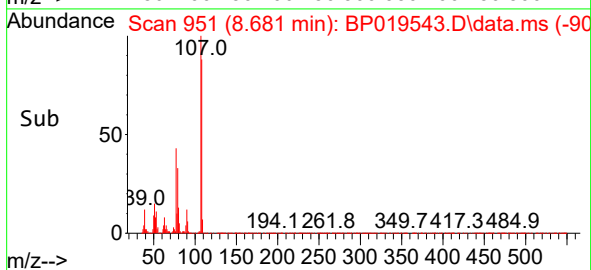
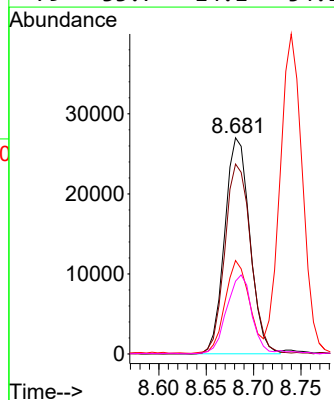
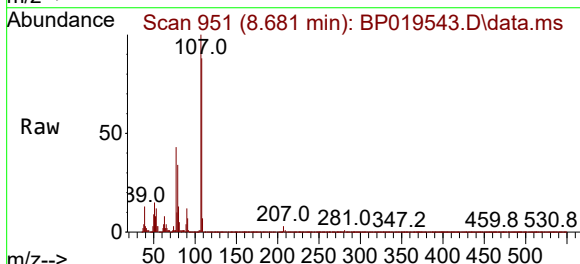
Ion	Ratio	Lower	Upper
70	100		
42	50.7	39.2	58.8
101	9.7	7.3	10.9
130	19.1	14.7	22.1

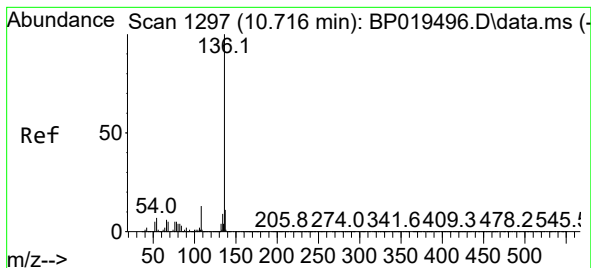


#20
3+4-Methylphenols
Concen: 12.204 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 107 Resp: 49841

Ion	Ratio	Lower	Upper
107	100		
108	87.9	65.5	105.5
77	43.2	21.8	61.8
79	33.7	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: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:136 Resp: 229812

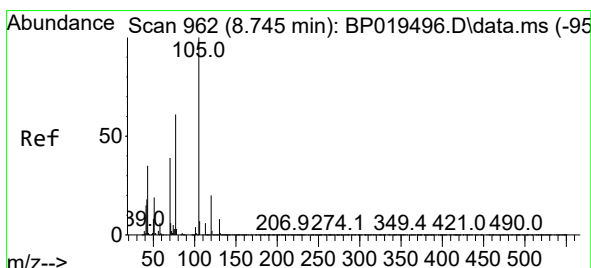
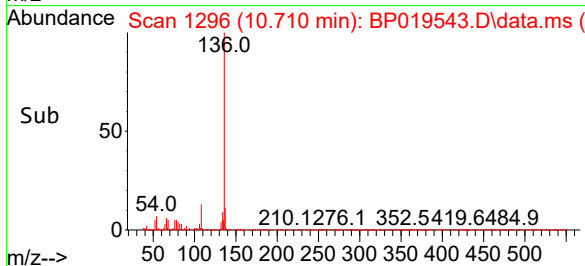
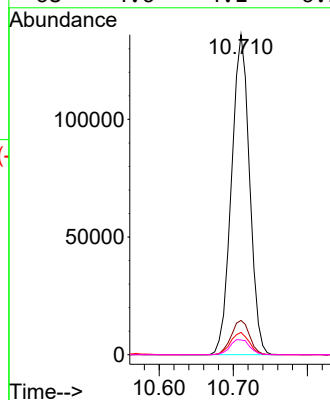
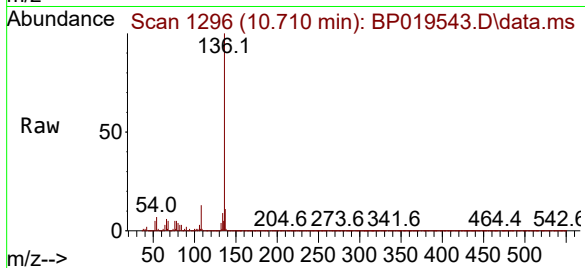
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.0 5.3 7.9

68 4.6 4.1 6.1



#22

Acetophenone

Concen: 11.984 ng

RT: 8.740 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Tgt Ion:105 Resp: 78462

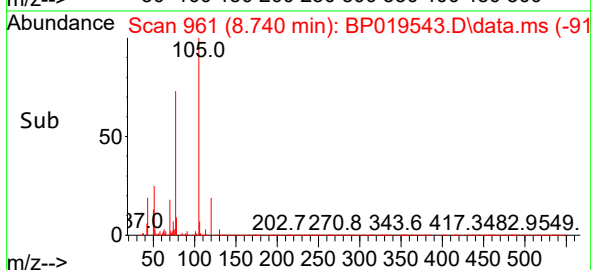
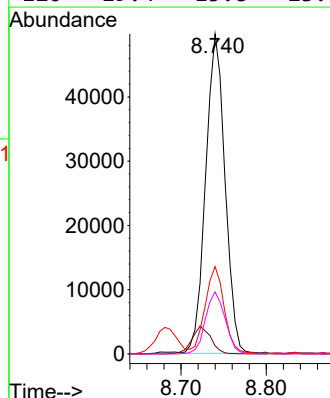
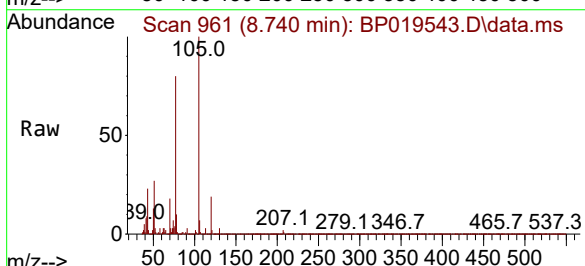
Ion Ratio Lower Upper

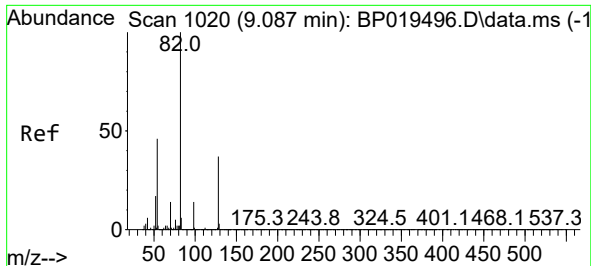
105 100

71 2.6 4.9 7.3#

51 27.3 20.7 31.1

120 19.4 15.8 23.8





#23

Nitrobenzene-d5

Concen: 117.495 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

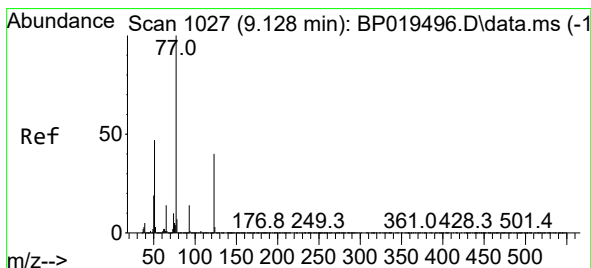
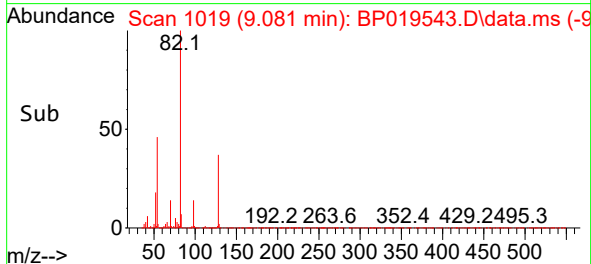
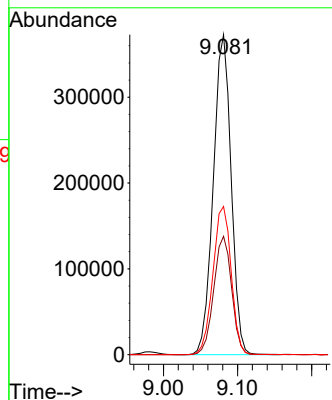
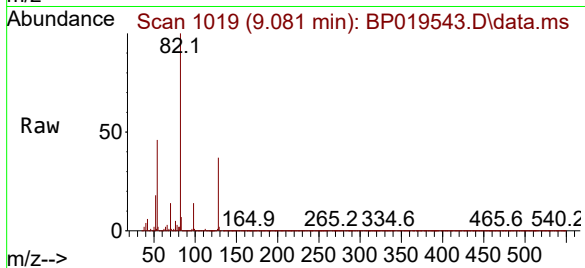
Tgt Ion: 82 Resp: 623145

Ion Ratio Lower Upper

82 100

128 37.0 29.7 44.5

54 46.3 36.8 55.2



#24

Nitrobenzene

Concen: 11.510 ng

RT: 9.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

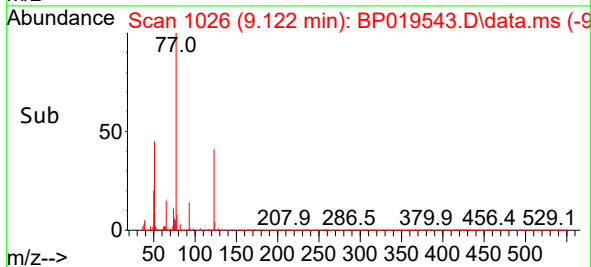
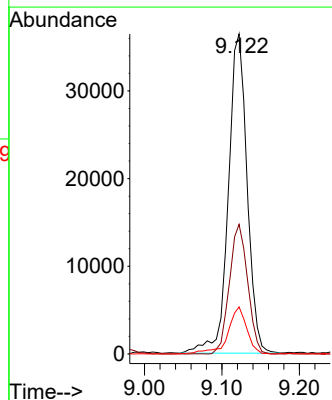
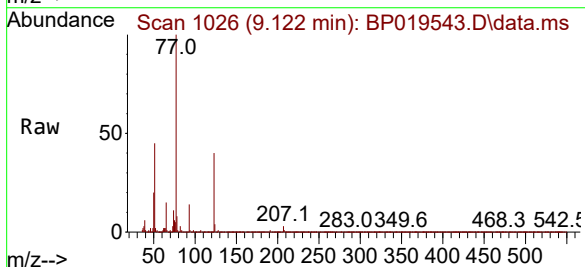
Tgt Ion: 77 Resp: 61464

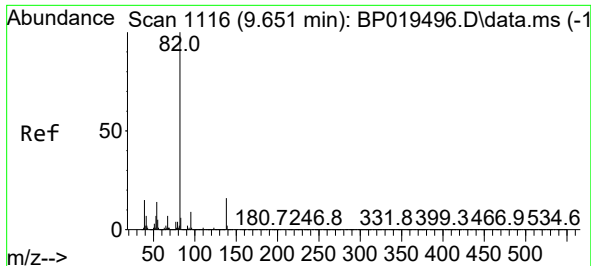
Ion Ratio Lower Upper

77 100

123 40.5 32.3 48.5

65 14.7 11.6 17.4

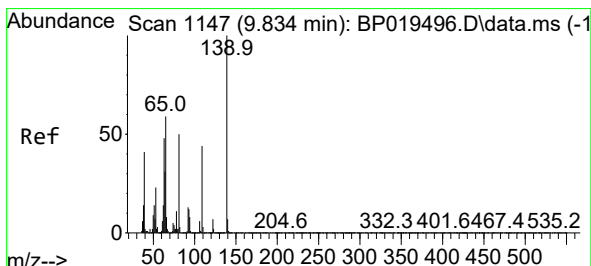
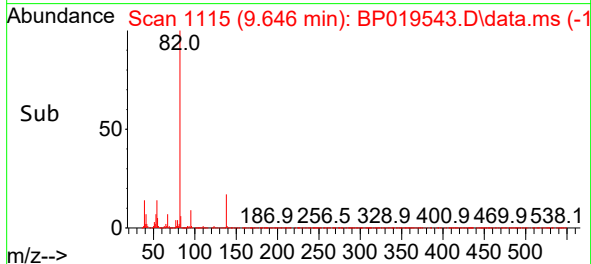
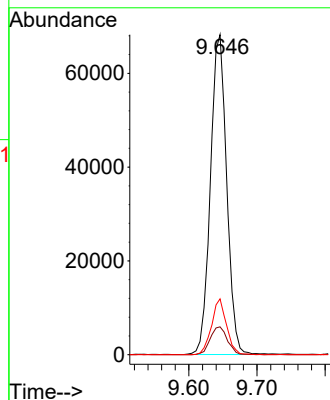
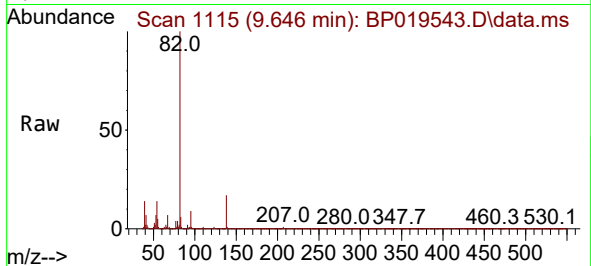




#25
Isophorone
Concen: 12.288 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

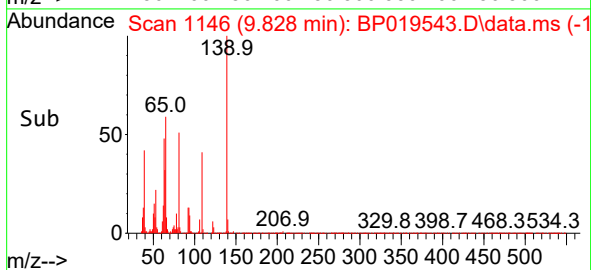
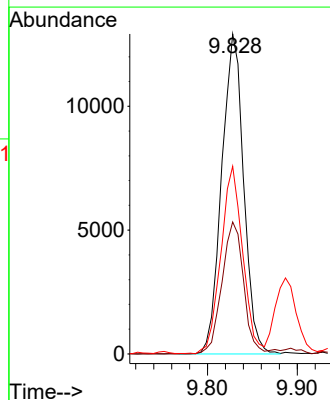
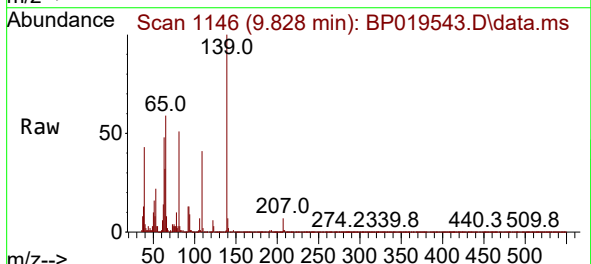
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

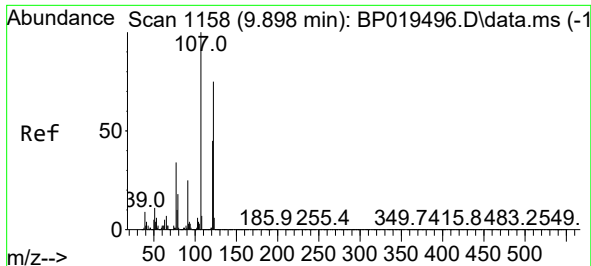
Tgt Ion: 82 Resp: 113499
Ion Ratio Lower Upper
82 100
95 8.7 7.0 10.4
138 17.4 13.1 19.7



#26
2-Nitrophenol
Concen: 10.777 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion: 139 Resp: 21942
Ion Ratio Lower Upper
139 100
109 41.2 34.9 52.3
65 58.7 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 13.808 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

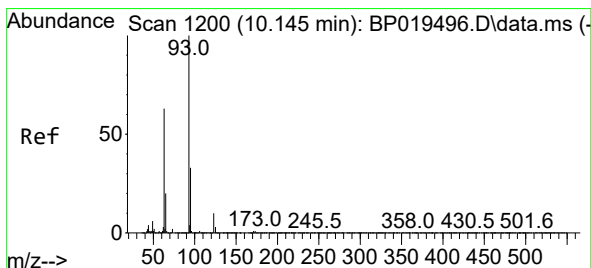
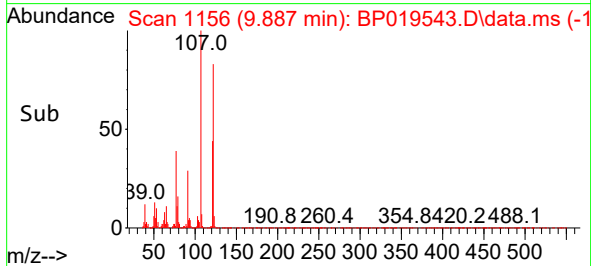
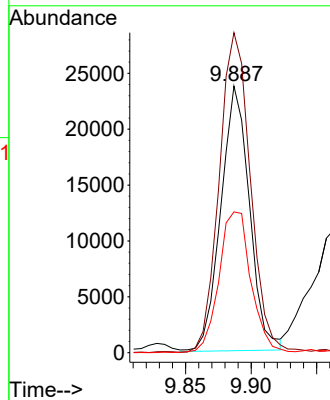
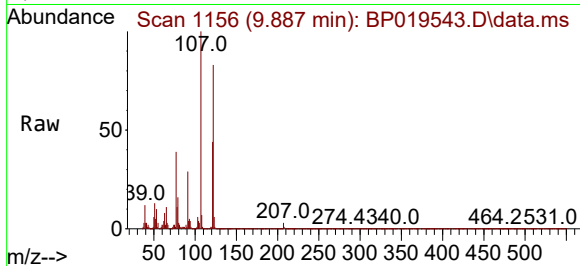
Tgt Ion:122 Resp: 35950

Ion Ratio Lower Upper

122 100

107 120.0 105.9 158.9

121 52.8 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 12.052 ng

RT: 10.134 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

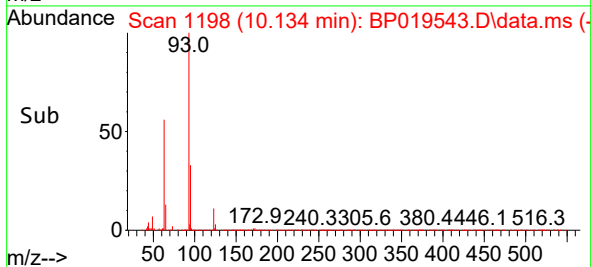
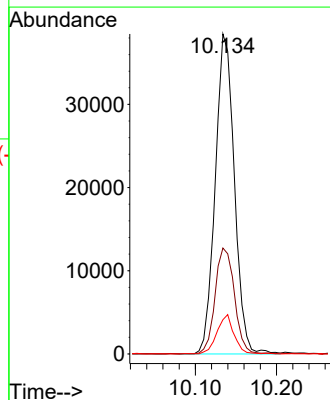
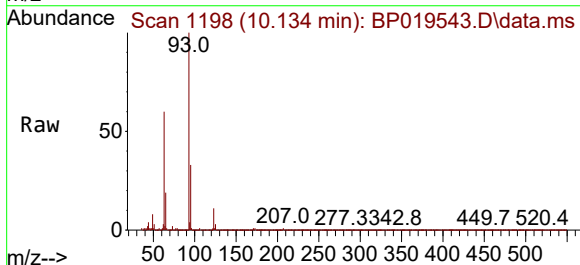
Tgt Ion: 93 Resp: 62985

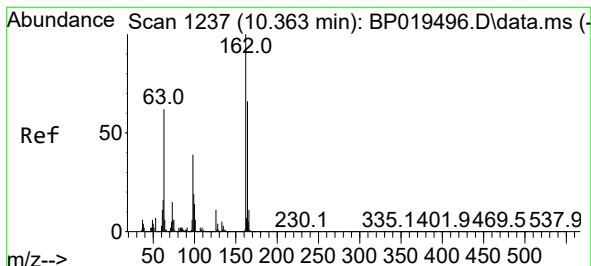
Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.4

123 10.7 8.5 12.7

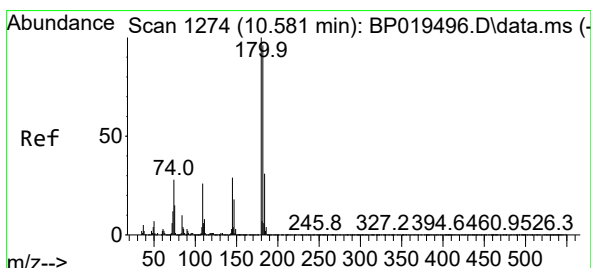
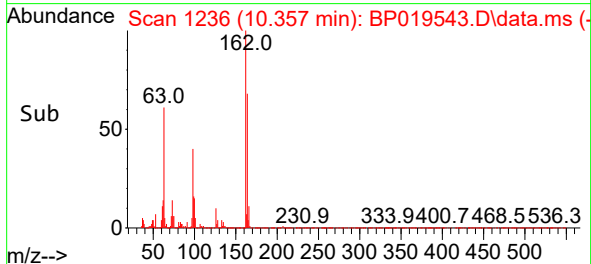
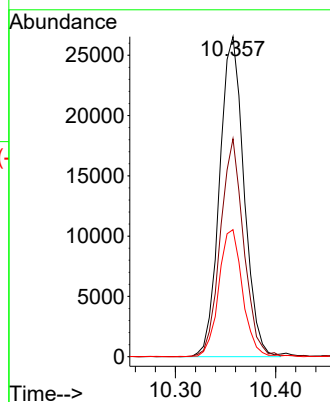
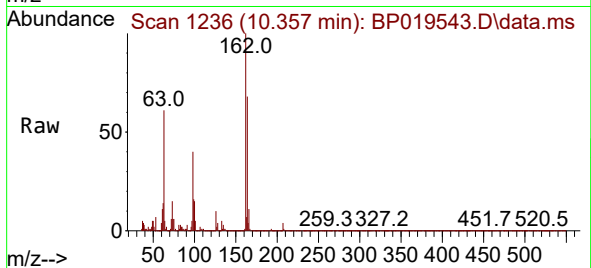




#29
2,4-Dichlorophenol
Concen: 11.382 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

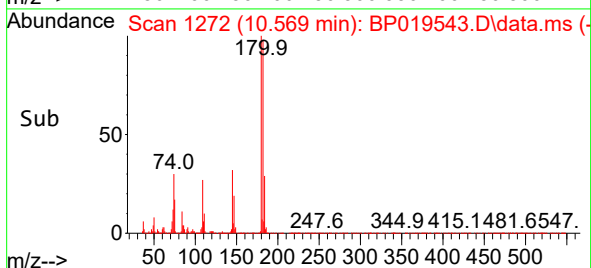
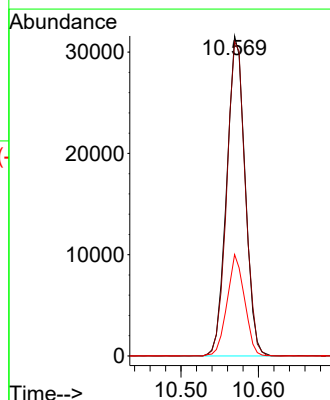
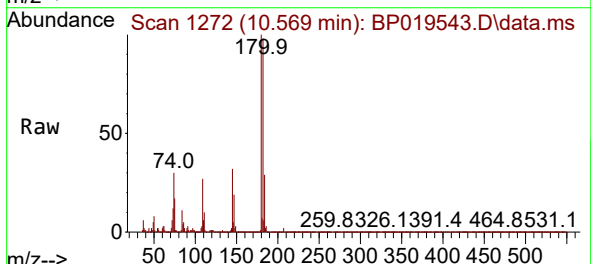
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

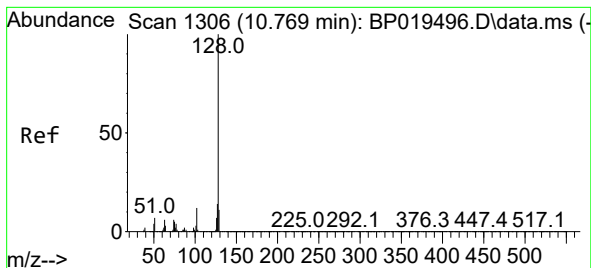
Tgt Ion:162 Resp: 44796
Ion Ratio Lower Upper
162 100
164 68.1 46.0 86.0
98 39.7 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 10.795 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:180 Resp: 52092
Ion Ratio Lower Upper
180 100
182 98.3 77.0 115.6
145 31.7 23.2 34.8





#31

Naphthalene

Concen: 11.317 ng

RT: 10.757 min Scan# 1169

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

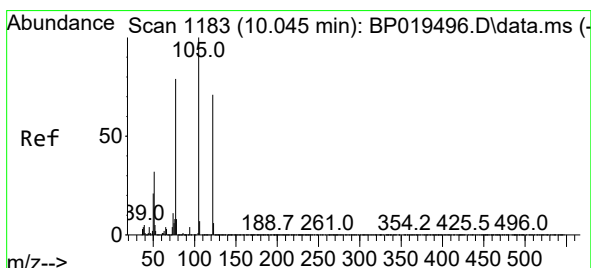
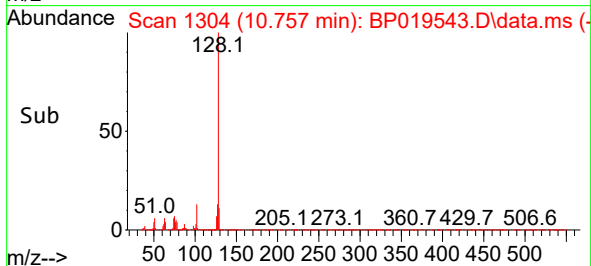
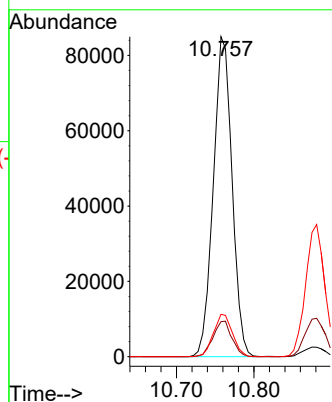
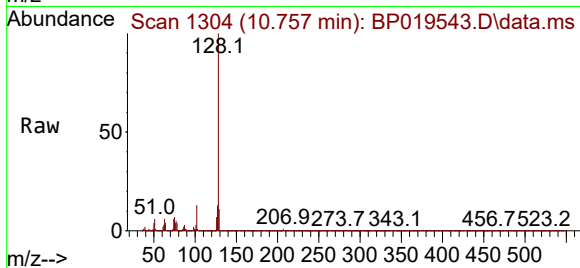
Tgt Ion:128 Resp: 142647

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.2 10.8 16.2



#32

Benzoic acid

Concen: 8.816 ng

RT: 9.963 min Scan# 1169

Delta R.T. -0.082 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

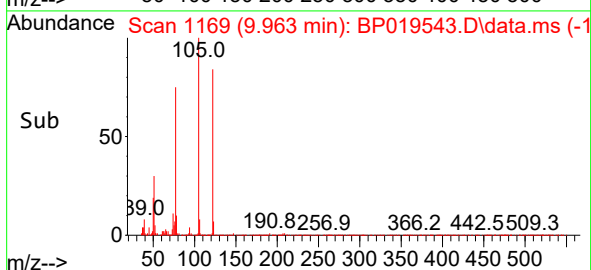
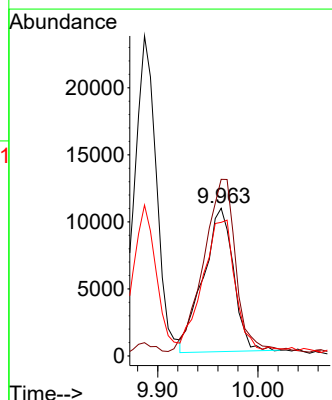
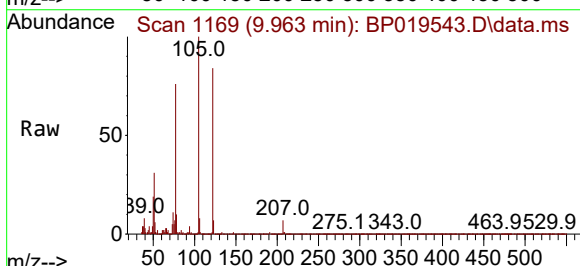
Tgt Ion:122 Resp: 22362

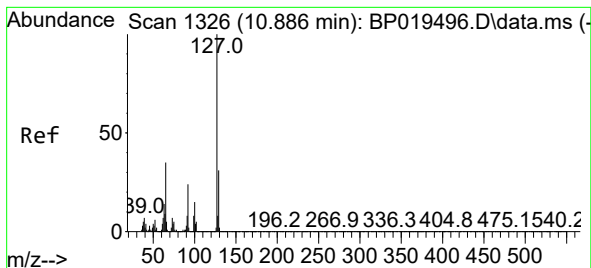
Ion Ratio Lower Upper

122 100

105 119.6 118.8 158.8

77 90.5 91.7 131.7#

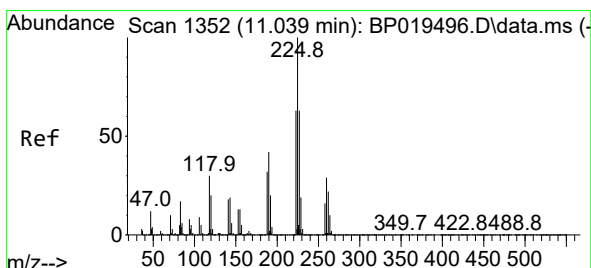
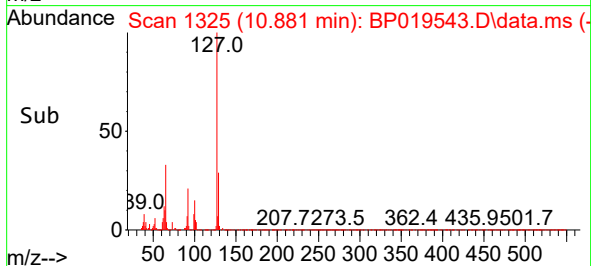
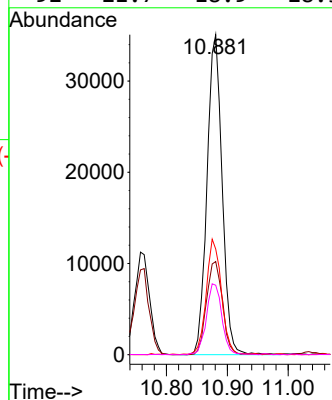
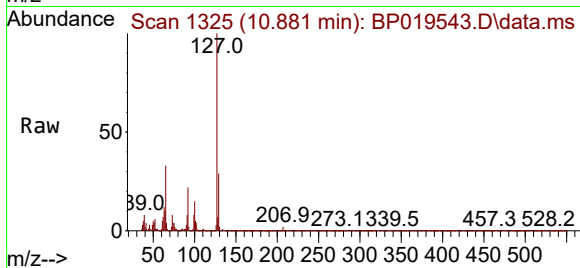




#33
4-Chloroaniline
Concen: 13.004 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

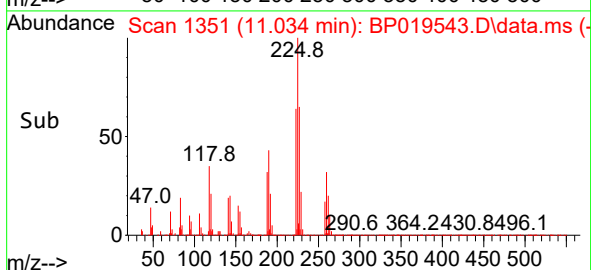
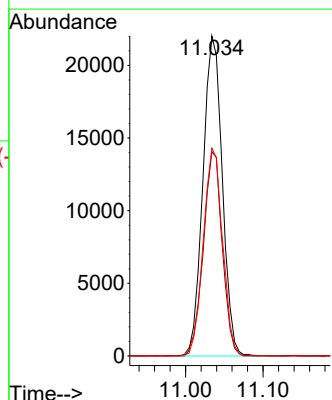
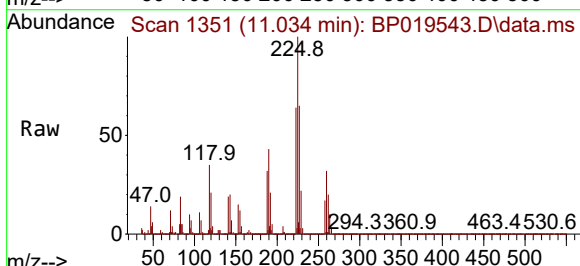
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

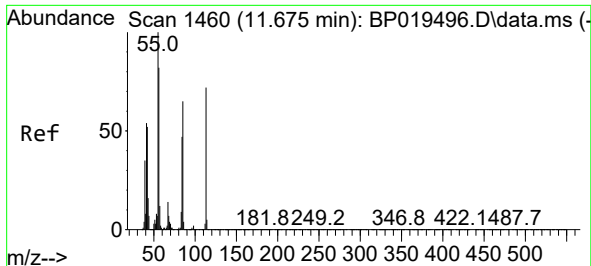
Tgt Ion:	127	Resp:	60615
Ion	Ratio	Lower	Upper
127	100		
129	29.1	24.6	36.8
65	33.0	28.2	42.4
92	21.7	18.9	28.3



#34
Hexachlorobutadiene
Concen: 10.657 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:	225	Resp:	38107
Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.5	75.7
227	64.9	50.2	75.2

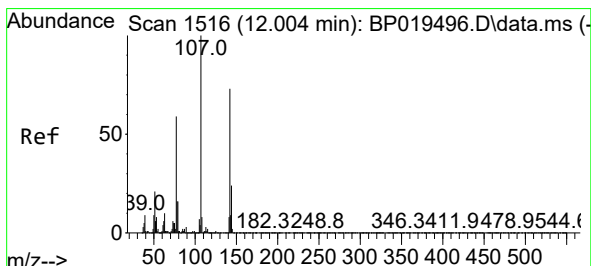
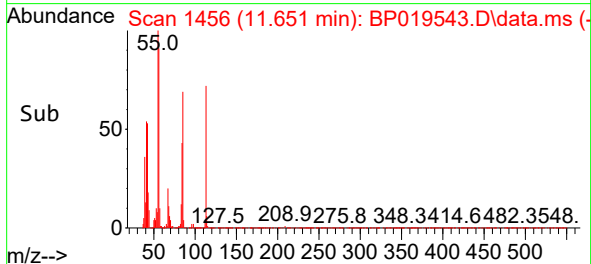
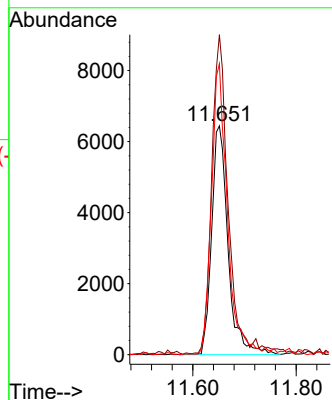
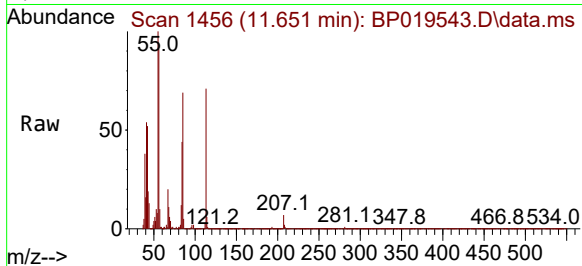




#35
Caprolactam
Concen: 12.721 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

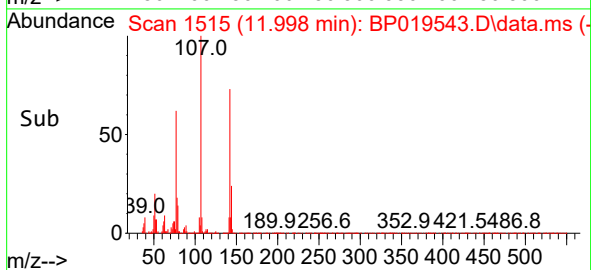
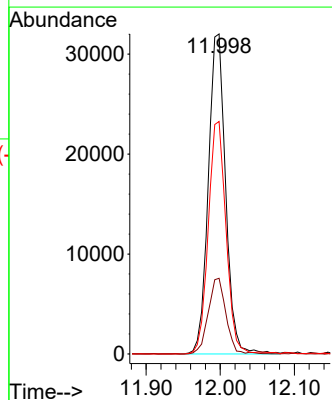
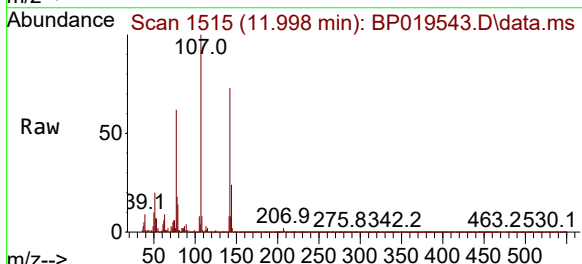
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

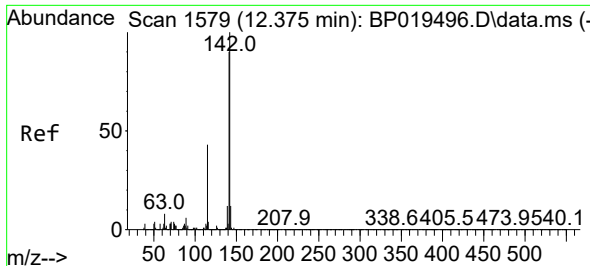
Tgt Ion:113 Resp: 14173
Ion Ratio Lower Upper
113 100
55 139.9 120.0 160.0
56 127.2 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 12.128 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:107 Resp: 52045
Ion Ratio Lower Upper
107 100
144 23.7 19.0 28.4
142 72.7 58.6 88.0

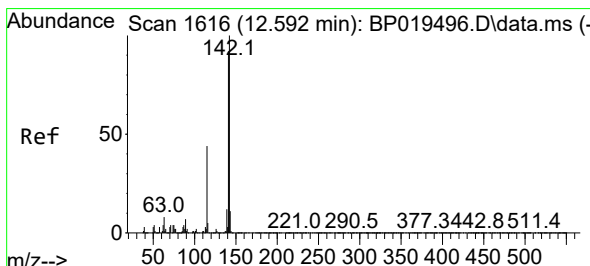
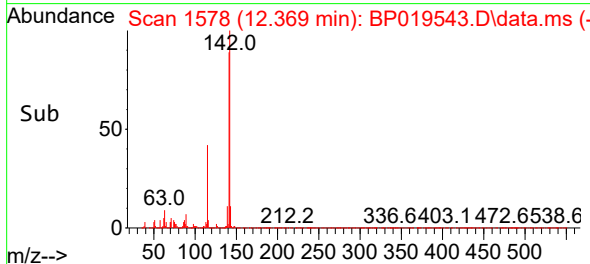
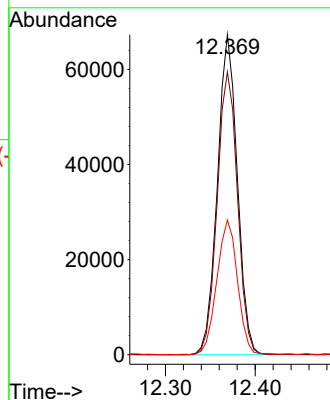
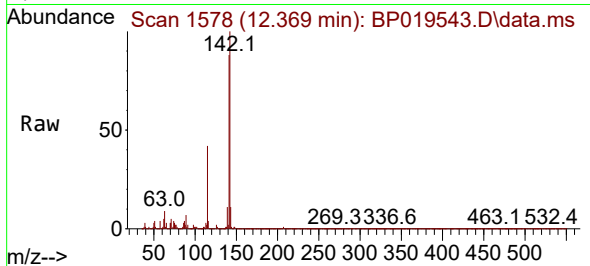




#37
2-Methylnaphthalene
Concen: 11.919 ng
RT: 12.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

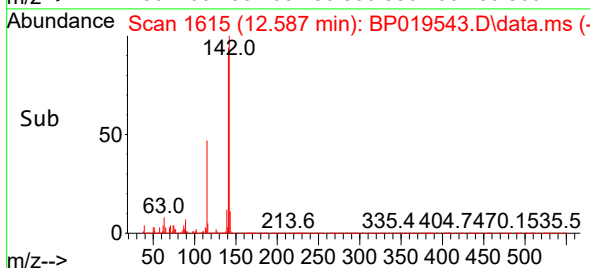
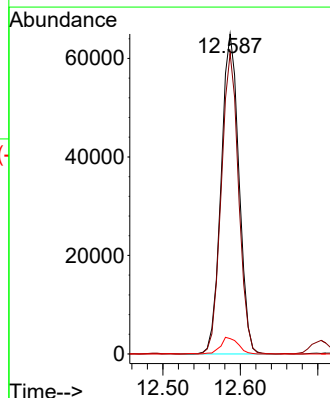
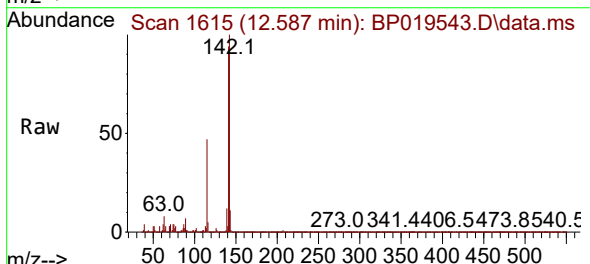
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

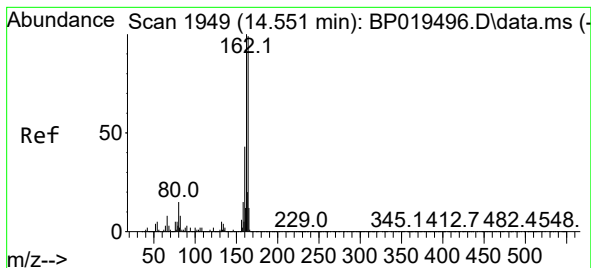
Tgt Ion:142 Resp: 103968
Ion Ratio Lower Upper
142 100
141 88.3 72.2 108.4
115 42.1 34.2 51.2



#38
1-Methylnaphthalene
Concen: 12.117 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:142 Resp: 103868
Ion Ratio Lower Upper
142 100
141 94.0 74.0 111.0
116 4.8 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

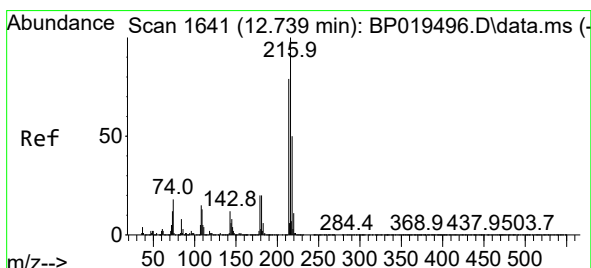
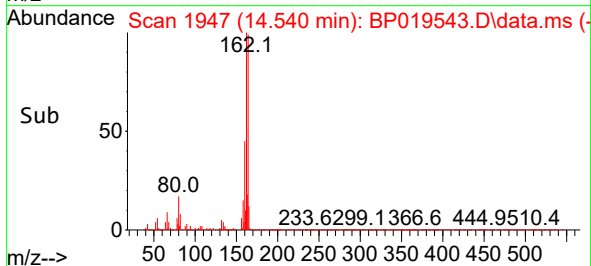
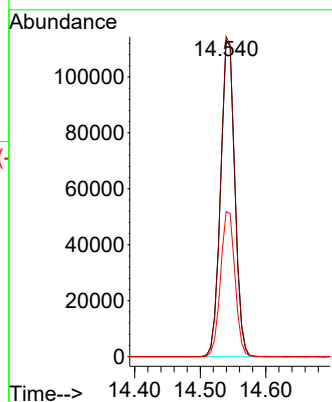
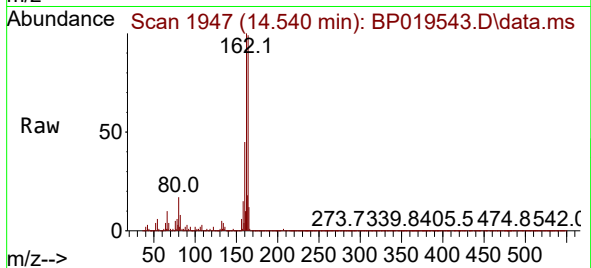
Tgt Ion:164 Resp: 168864

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

160 45.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.911 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Tgt Ion:216 Resp: 71055

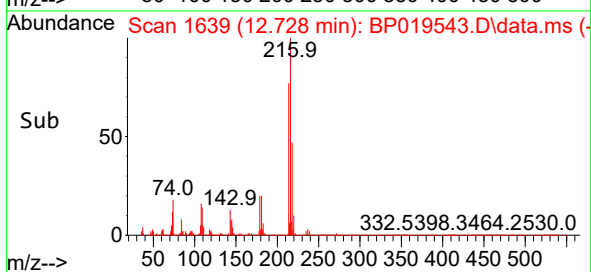
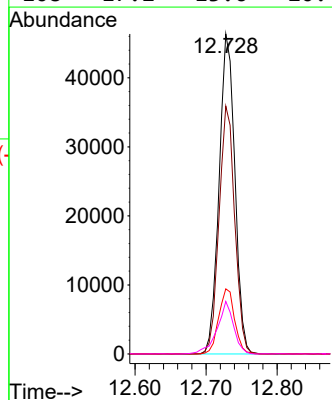
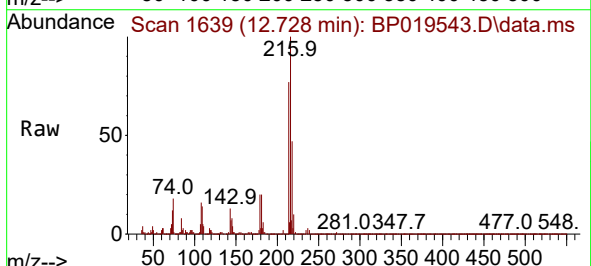
Ion Ratio Lower Upper

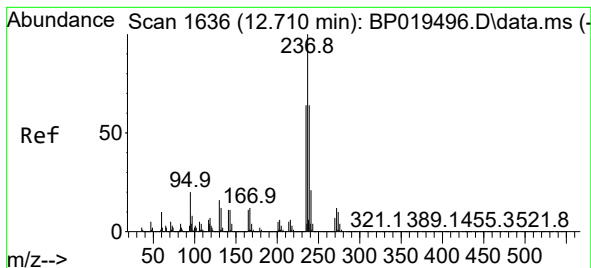
216 100

214 77.3 62.8 94.2

179 20.6 16.6 24.8

108 17.2 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 12.858 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

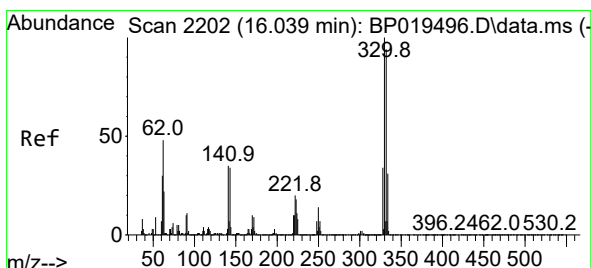
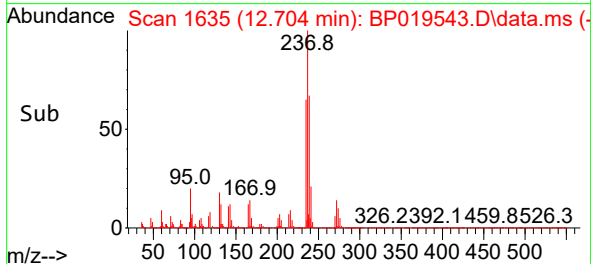
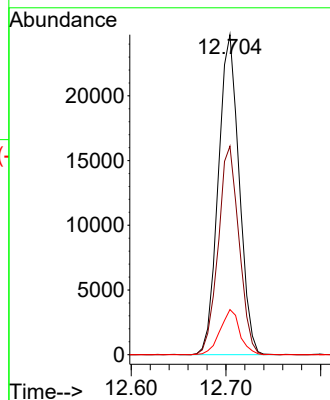
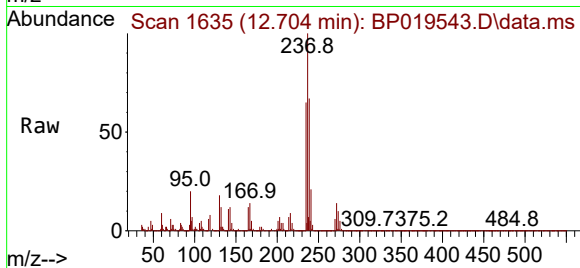
Tgt Ion:237 Resp: 37829

Ion Ratio Lower Upper

237 100

235 65.2 43.7 83.7

272 14.1 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 228.638 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

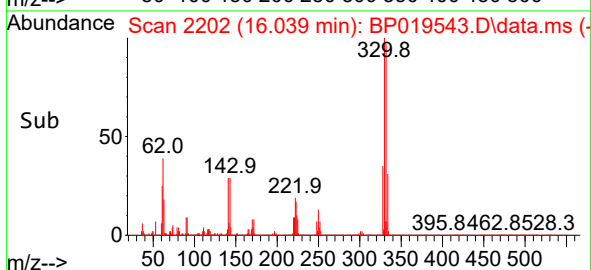
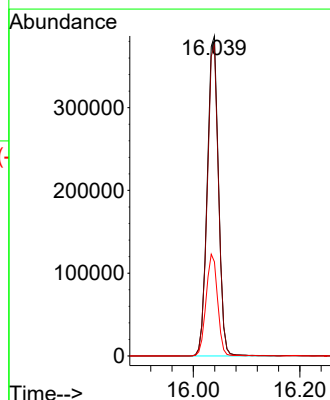
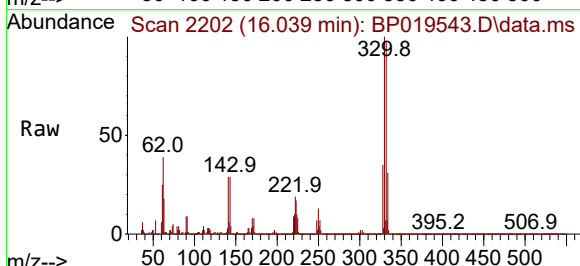
Tgt Ion:330 Resp: 563716

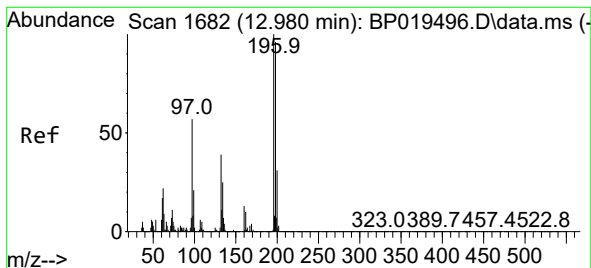
Ion Ratio Lower Upper

330 100

332 97.3 77.2 115.8

141 32.6 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 10.519 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

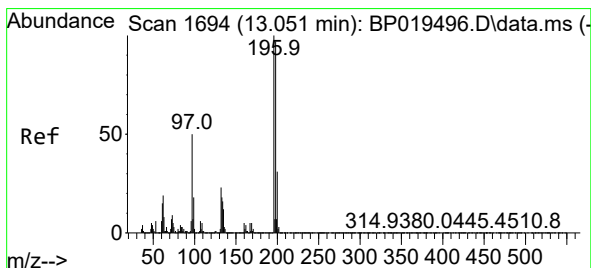
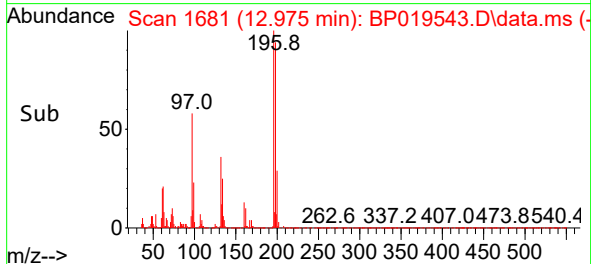
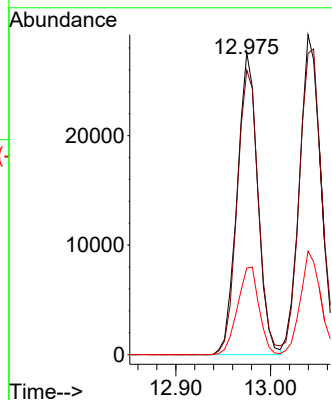
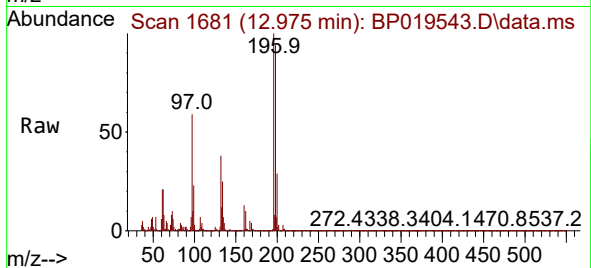
Tgt Ion:196 Resp: 41482

Ion Ratio Lower Upper

196 100

198 94.2 76.7 115.1

200 28.7 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 10.562 ng

RT: 13.040 min Scan# 1692

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Tgt Ion:196 Resp: 45736

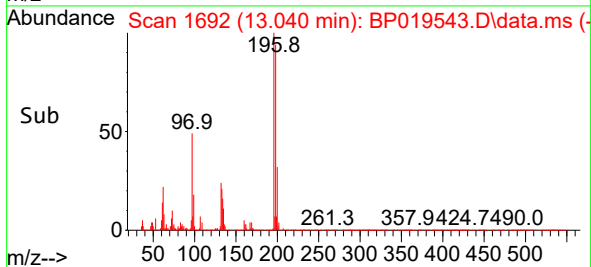
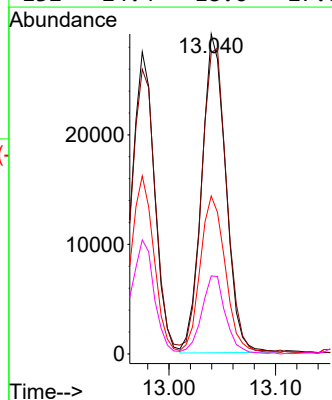
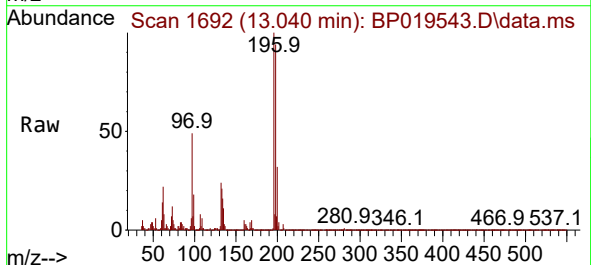
Ion Ratio Lower Upper

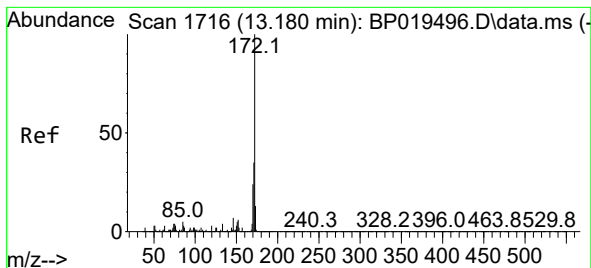
196 100

198 94.2 77.5 116.3

97 49.3 39.9 59.9

132 24.4 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 114.426 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

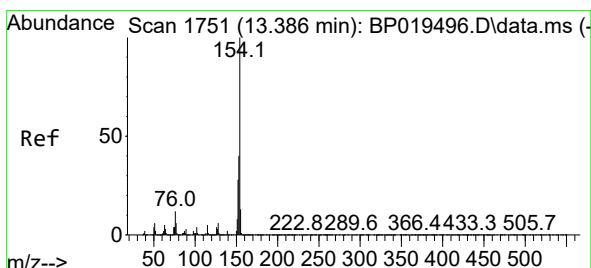
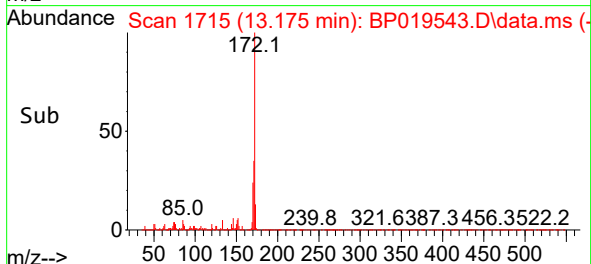
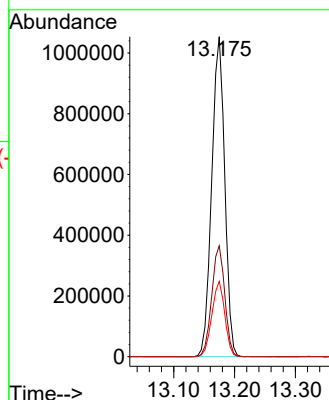
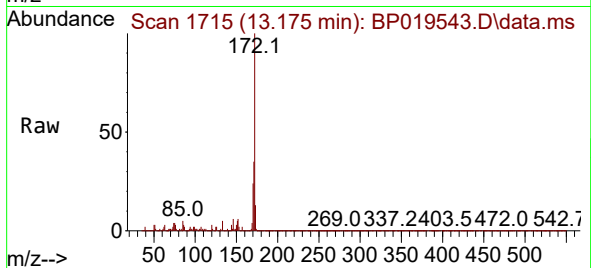
Tgt Ion:172 Resp: 1563009

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 11.337 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

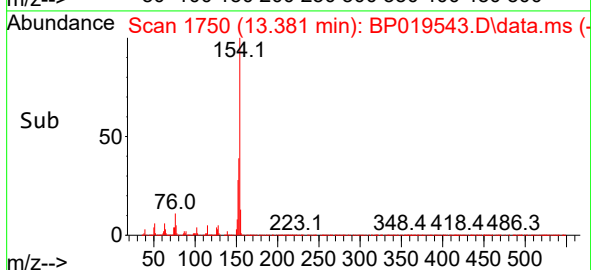
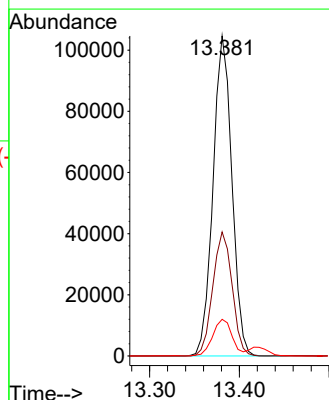
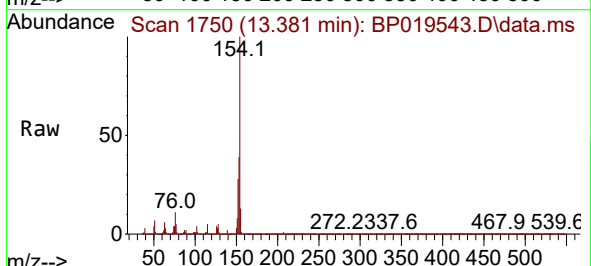
Tgt Ion:154 Resp: 152800

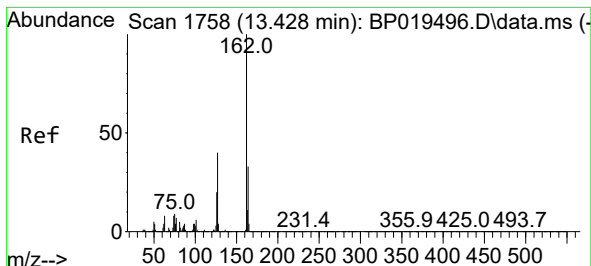
Ion Ratio Lower Upper

154 100

153 38.7 20.2 60.2

76 11.4 0.0 31.6

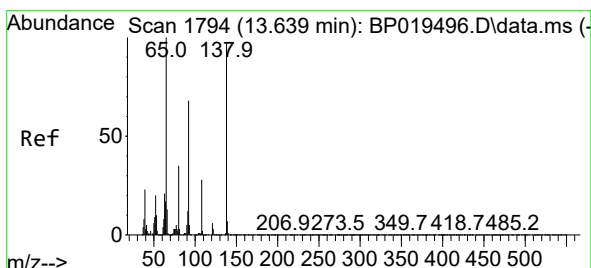
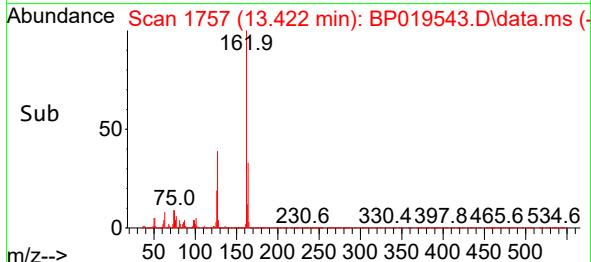
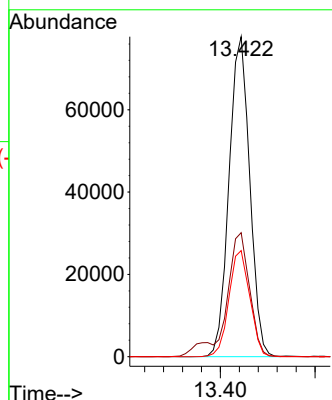
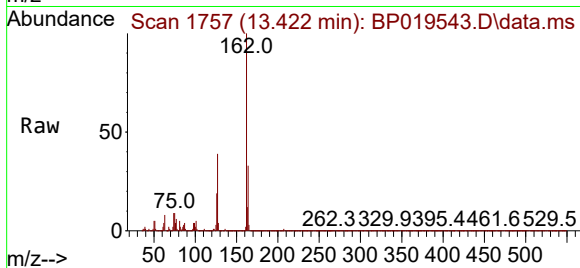




#47
2-Chloronaphthalene
Concen: 10.658 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

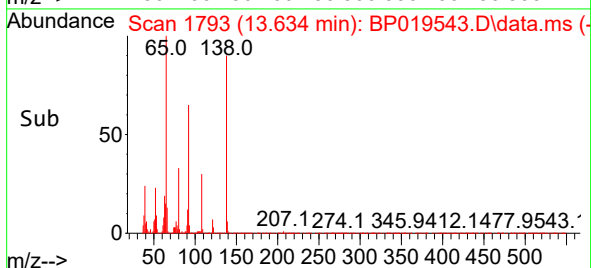
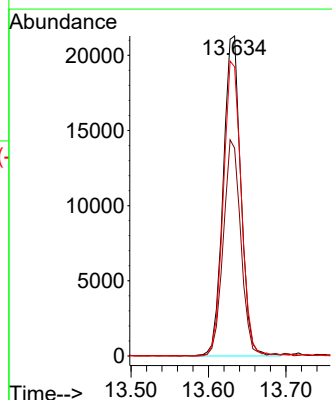
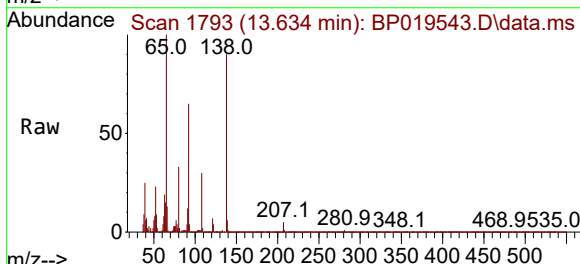
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

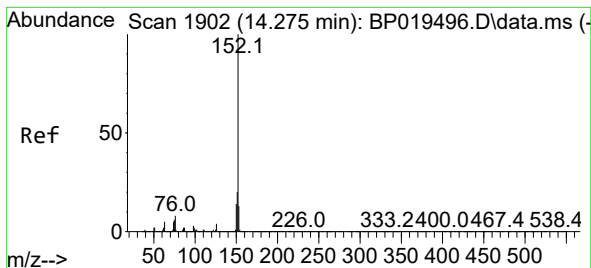
Tgt Ion:	162	Resp:	117915
Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.1	48.1
164	33.1	26.7	40.1



#48
2-Nitroaniline
Concen: 10.902 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:	65	Resp:	33725
Ion	Ratio	Lower	Upper
65	100		
92	64.9	54.7	82.1
138	90.3	77.8	116.6





#49

Acenaphthylene

Concen: 12.245 ng

RT: 14.263 min Scan# 1900

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

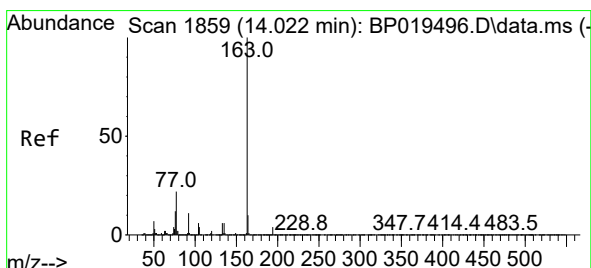
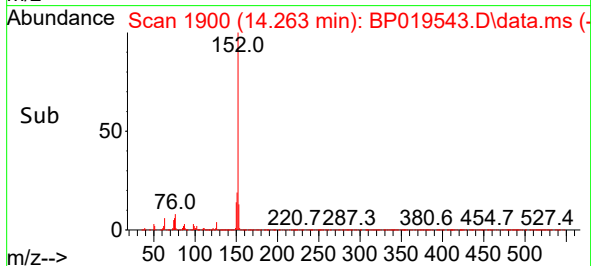
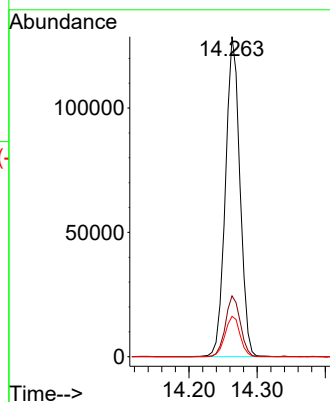
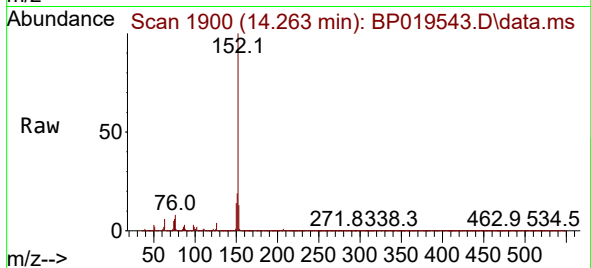
Tgt Ion:152 Resp: 190065

Ion Ratio Lower Upper

152 100

151 19.0 15.8 23.6

153 12.6 10.6 15.8



#50

Dimethylphthalate

Concen: 11.878 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

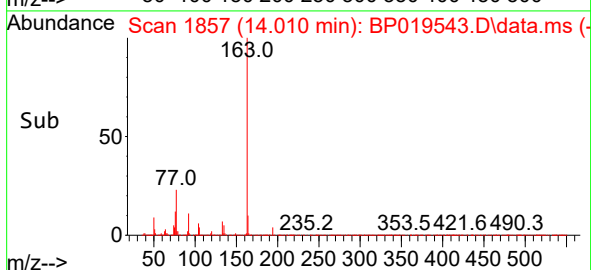
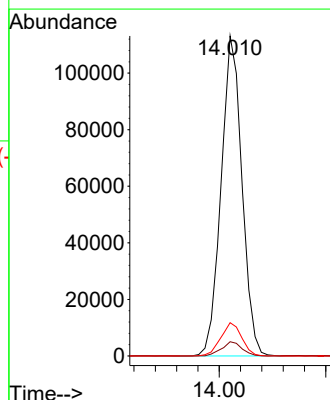
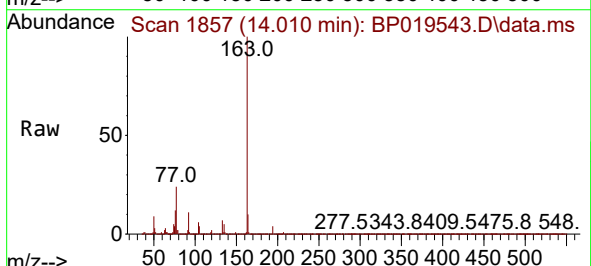
Tgt Ion:163 Resp: 153542

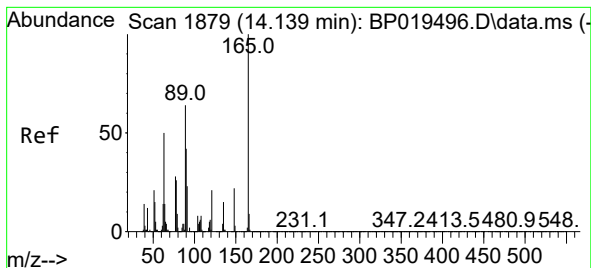
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 10.4 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 11.062 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

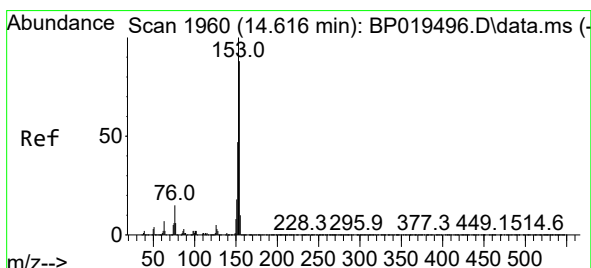
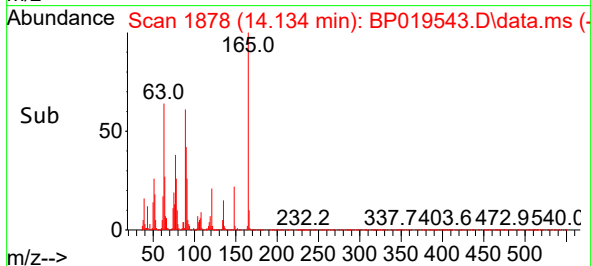
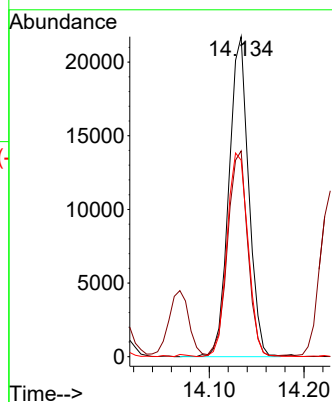
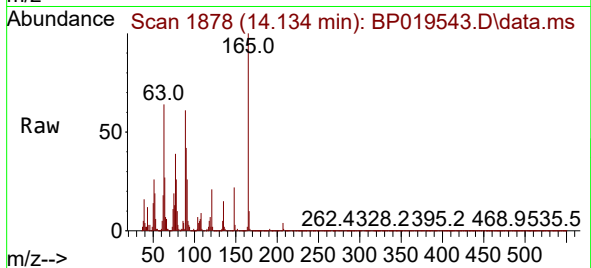
Tgt Ion:165 Resp: 31417

Ion Ratio Lower Upper

165 100

63 64.3 50.4 75.6

89 61.4 51.7 77.5



#52

Acenaphthene

Concen: 11.239 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

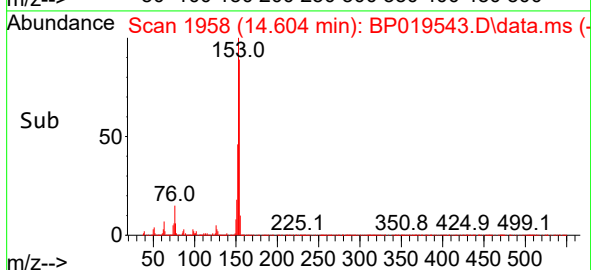
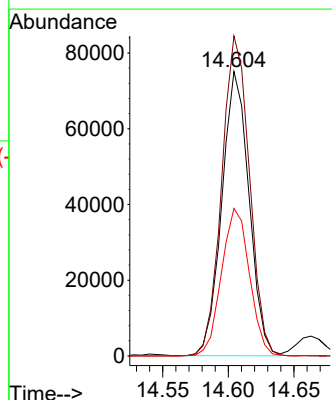
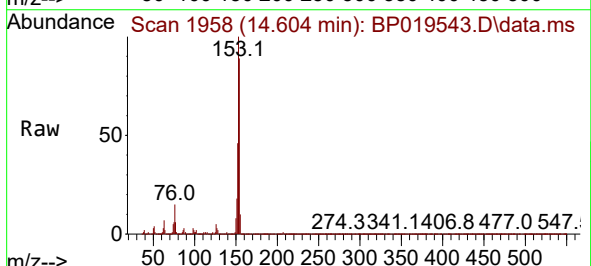
Tgt Ion:154 Resp: 108268

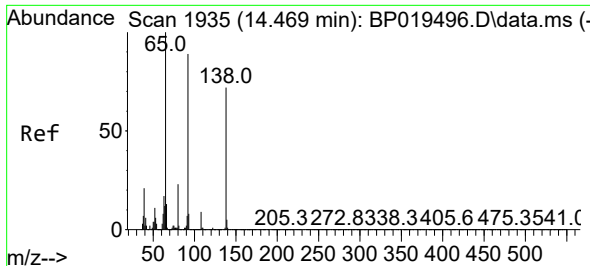
Ion Ratio Lower Upper

154 100

153 112.5 90.5 135.7

152 51.9 42.1 63.1

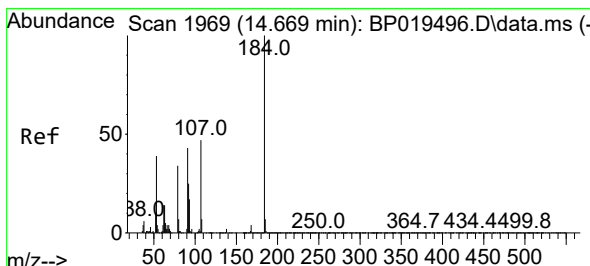
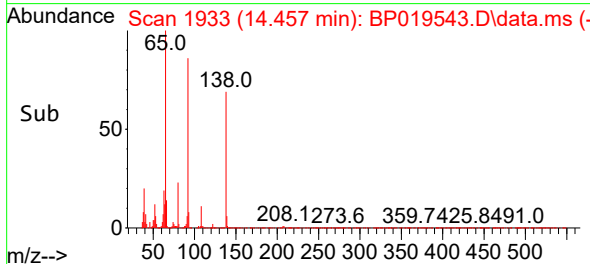
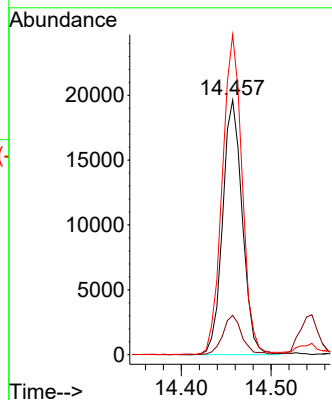
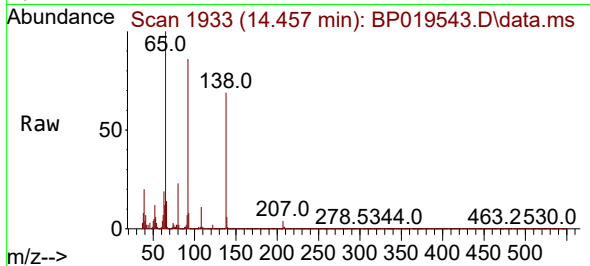




#53
3-Nitroaniline
Concen: 11.412 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

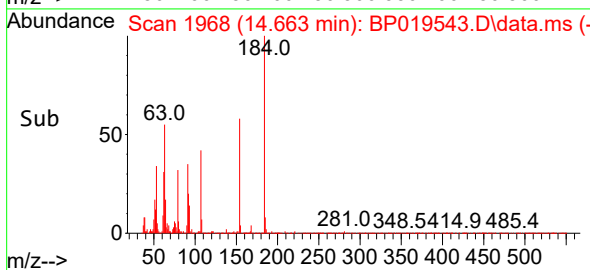
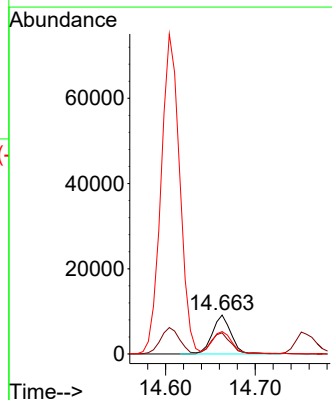
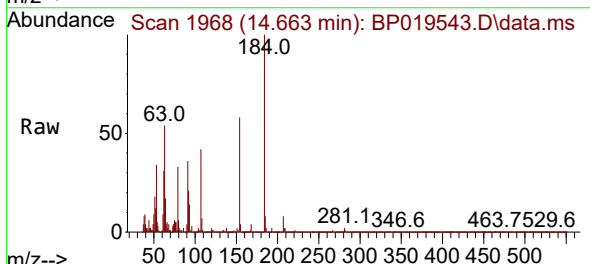
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

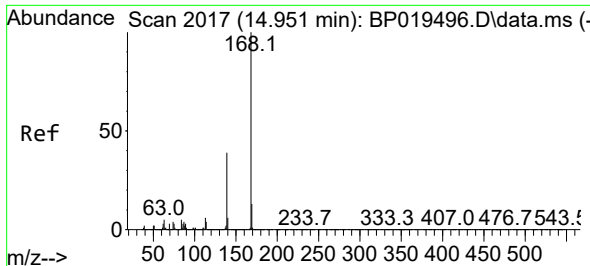
Tgt Ion:138 Resp: 29787
Ion Ratio Lower Upper
138 100
108 15.5 9.7 14.5#
92 125.7 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 8.900 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:184 Resp: 13124
Ion Ratio Lower Upper
184 100
63 54.5 50.5 75.7
154 57.5 53.4 80.0

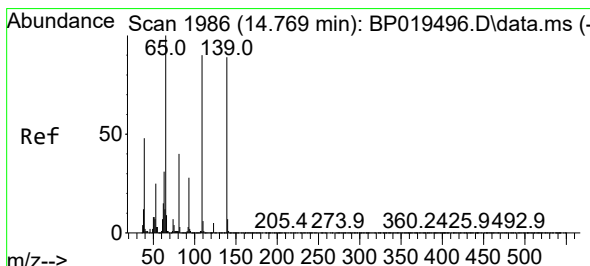
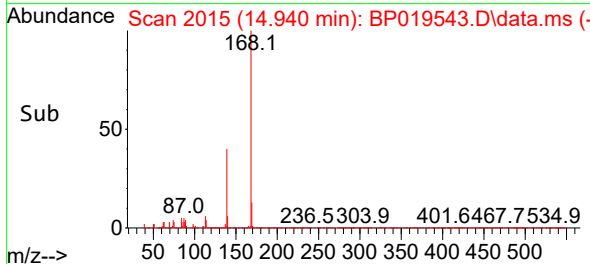
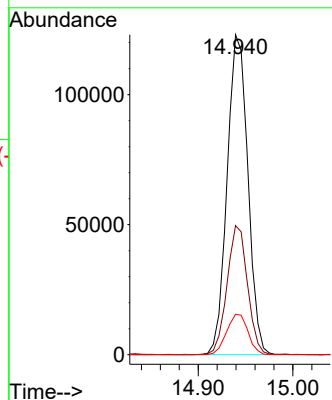
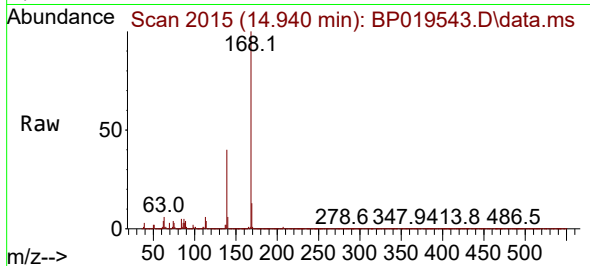




#55
Dibenzofuran
Concen: 11.939 ng
RT: 14.940 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

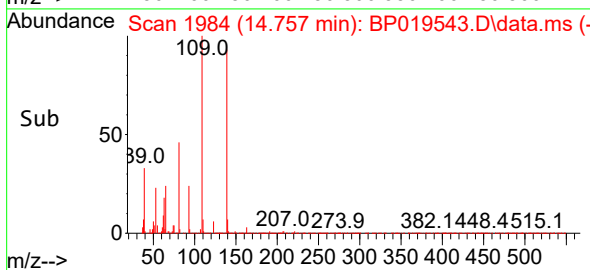
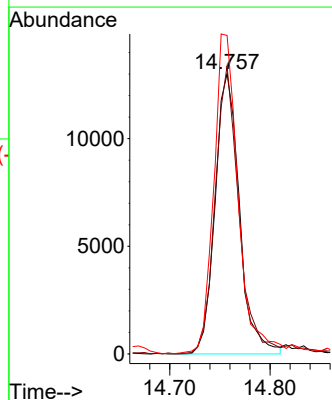
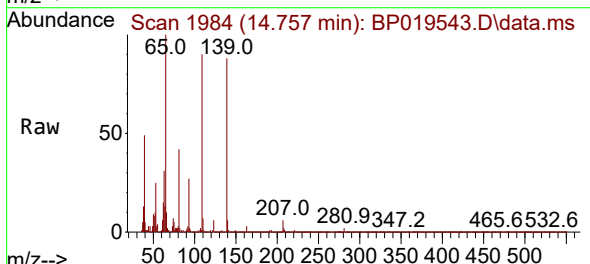
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

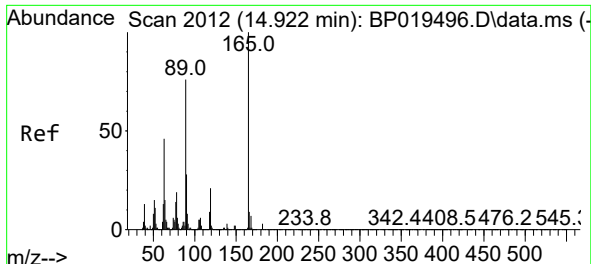
Tgt Ion:168 Resp: 187329
Ion Ratio Lower Upper
168 100
139 40.4 31.5 47.3
169 12.6 10.3 15.5



#56
4-Nitrophenol
Concen: 10.238 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:139 Resp: 21902
Ion Ratio Lower Upper
139 100
109 102.8 82.0 122.0
65 113.7 92.9 132.9

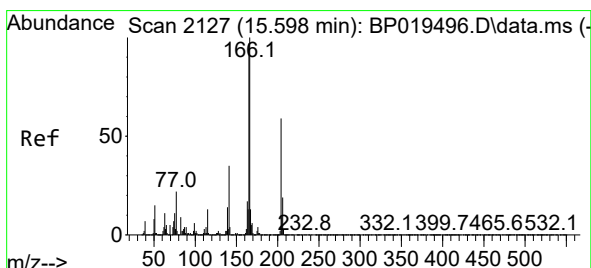
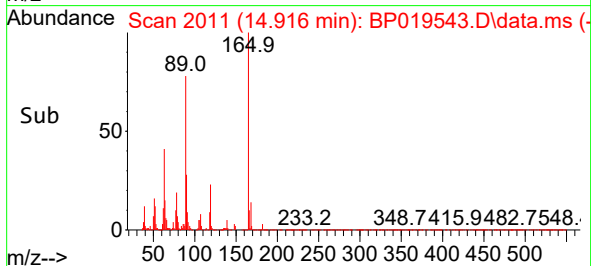
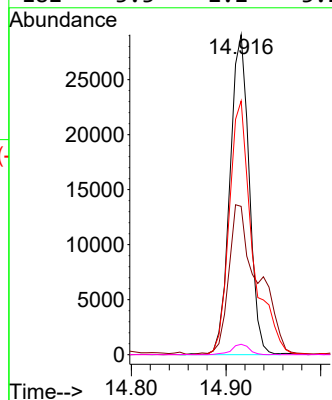
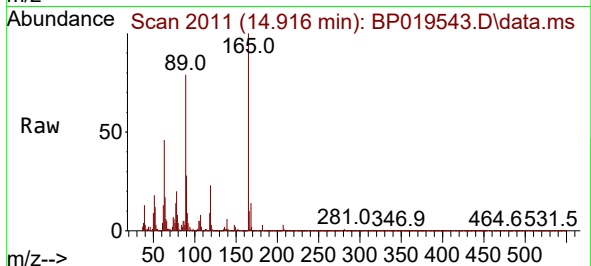




#57
2,4-Dinitrotoluene
Concen: 10.989 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

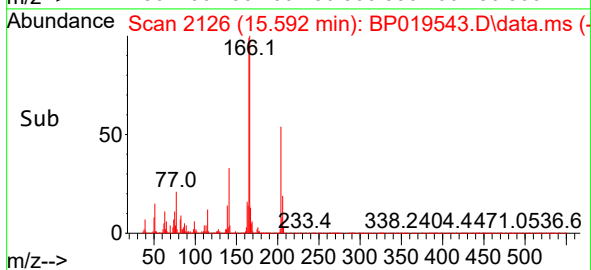
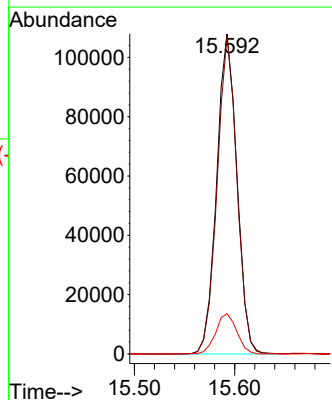
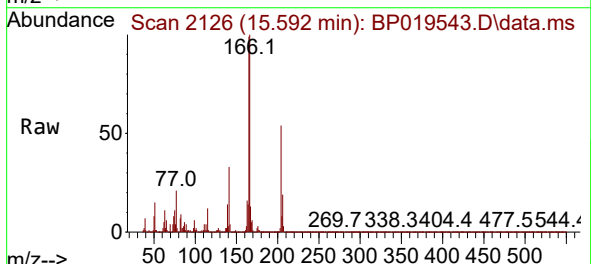
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

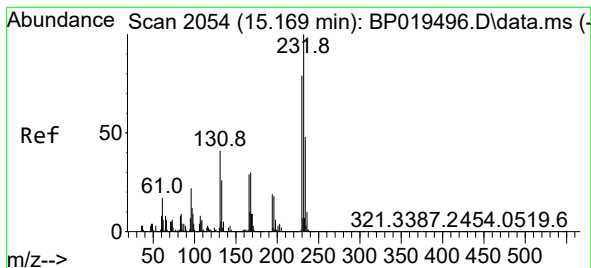
Tgt Ion:165 Resp: 40901
Ion Ratio Lower Upper
165 100
63 46.4 36.9 55.3
89 79.3 61.1 91.7
182 3.3 2.2 3.2#



#58
Fluorene
Concen: 12.069 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:166 Resp: 150826
Ion Ratio Lower Upper
166 100
165 99.3 77.8 116.8
167 12.6 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 12.180 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:232 Resp: 44364

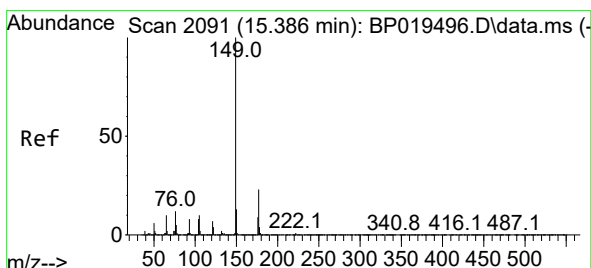
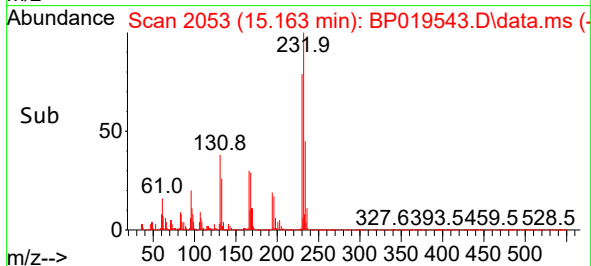
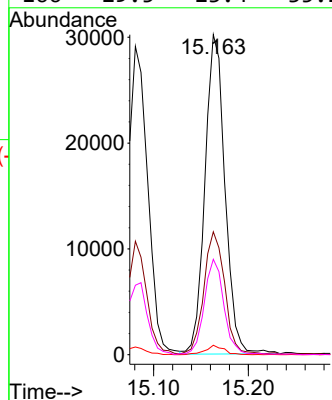
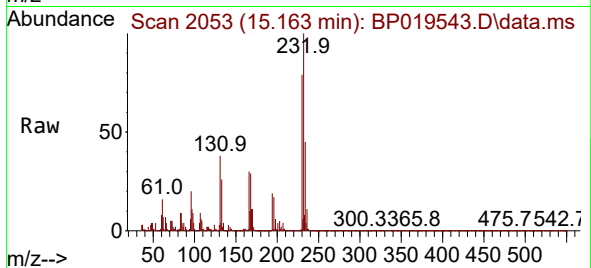
Ion Ratio Lower Upper

232 100

131 39.6 32.4 48.6

130 2.7 1.9 2.9

166 29.5 23.4 35.2



#60

Diethylphthalate

Concen: 11.970 ng

RT: 15.381 min Scan# 2090

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

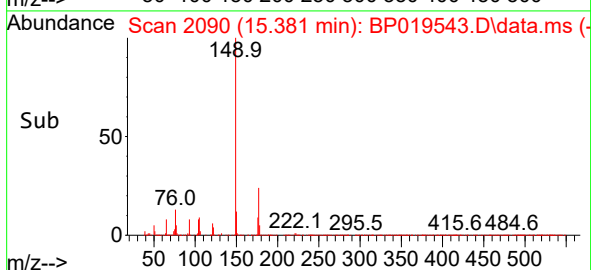
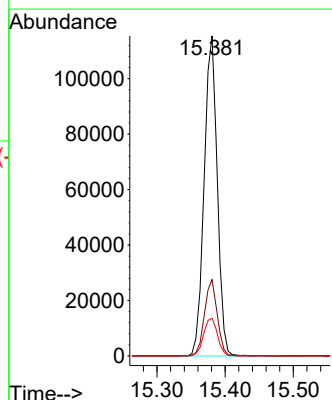
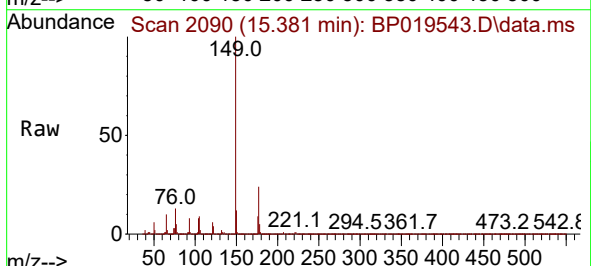
Tgt Ion:149 Resp: 153910

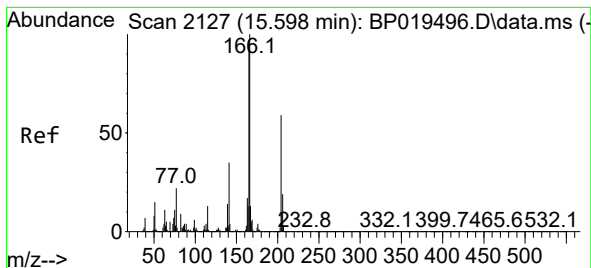
Ion Ratio Lower Upper

149 100

177 23.9 18.2 27.2

150 11.8 10.2 15.4

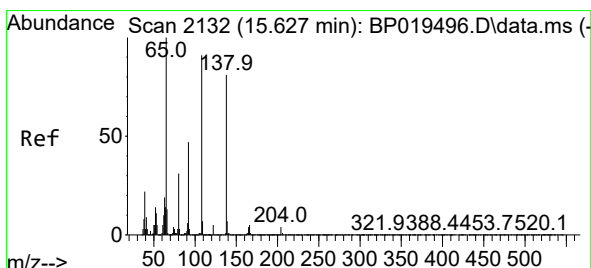
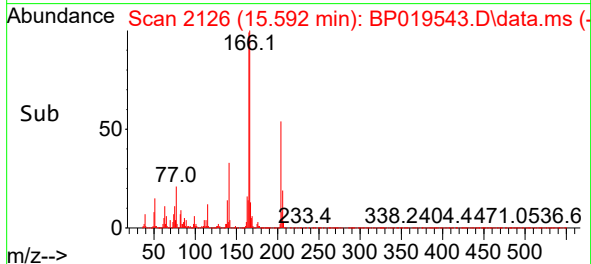
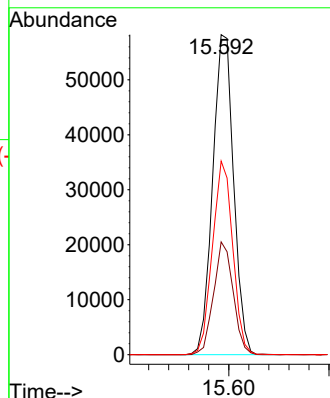
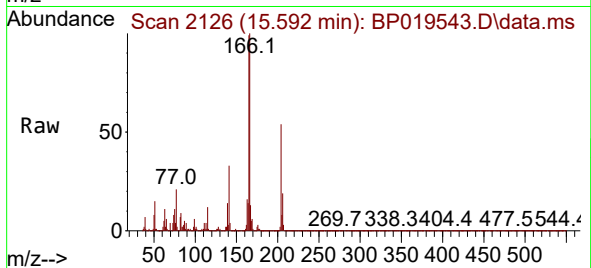




#61
4-Chlorophenyl-phenylether
Concen: 11.987 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

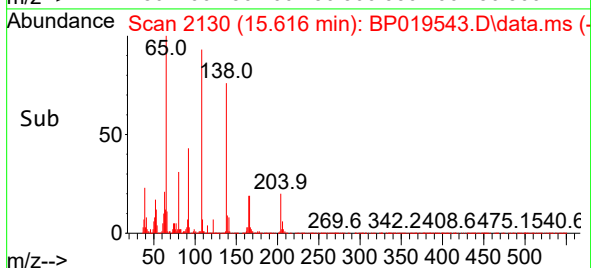
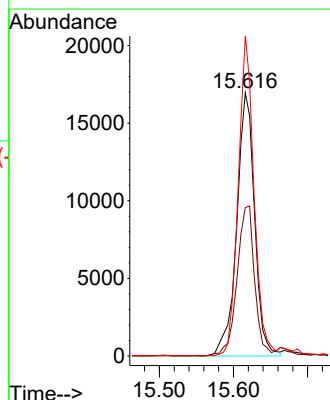
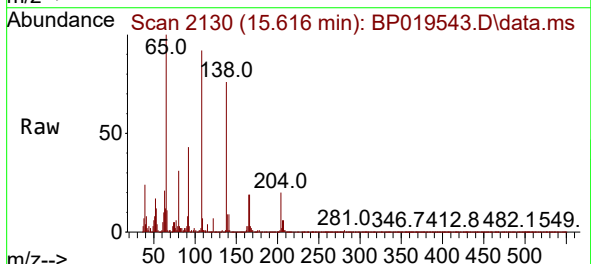
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

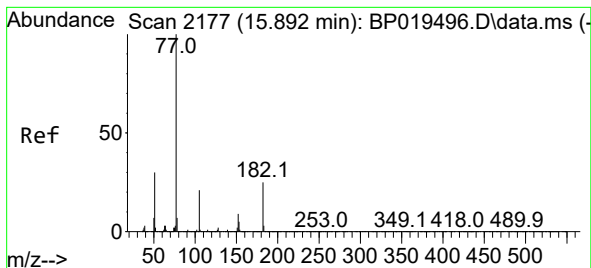
Tgt Ion:204 Resp: 84195
Ion Ratio Lower Upper
204 100
206 35.3 26.5 39.7
141 60.5 48.5 72.7



#62
4-Nitroaniline
Concen: 10.374 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:138 Resp: 28382
Ion Ratio Lower Upper
138 100
92 56.5 38.3 78.3
108 121.7 91.2 131.2





#63

Azobenzene

Concen: 11.714 ng

RT: 15.887 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 77 Resp: 145646

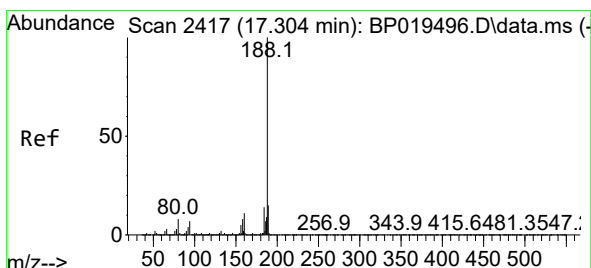
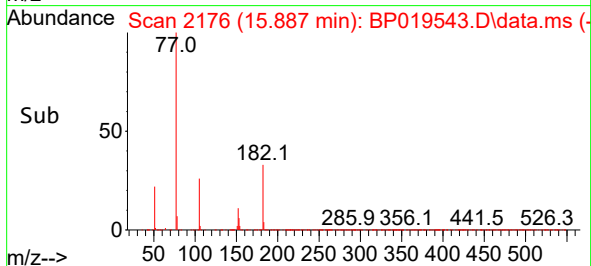
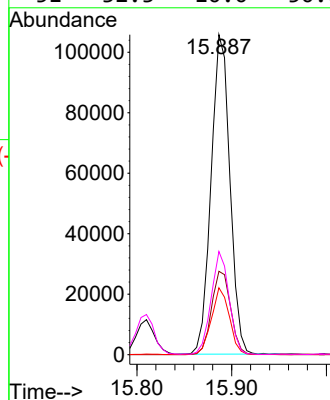
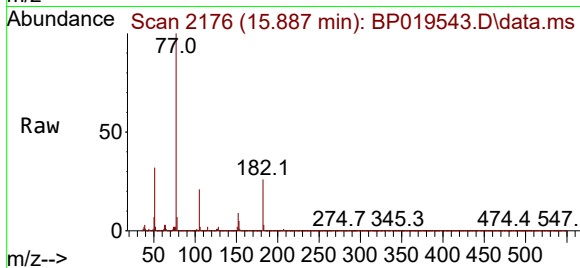
Ion Ratio Lower Upper

77 100

182 26.1 5.1 45.1

105 20.9 0.8 40.8

51 32.3 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: BP019543.D

Acq: 03 Feb 2024 00:07

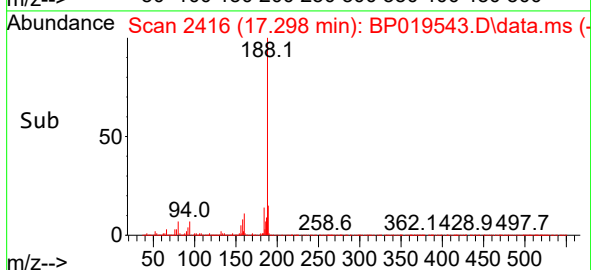
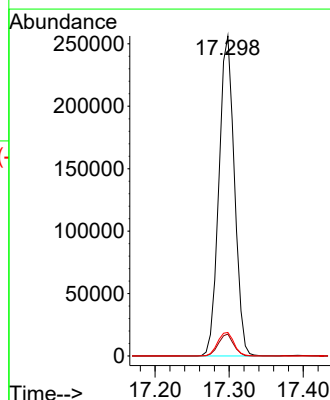
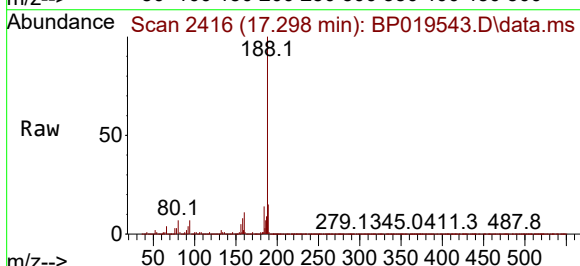
Tgt Ion:188 Resp: 372160

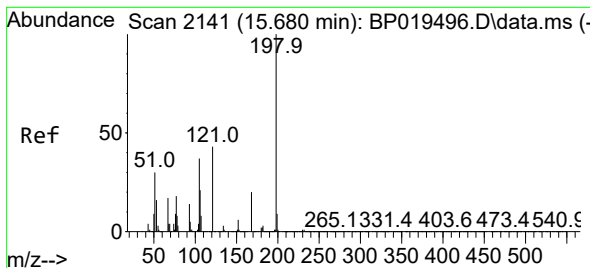
Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 7.4 6.3 9.5

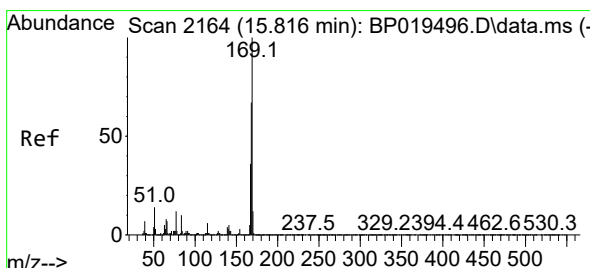
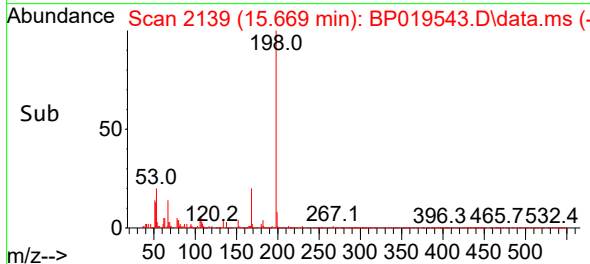
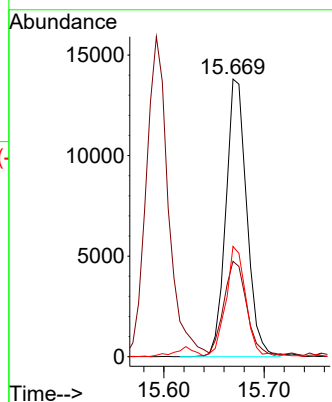
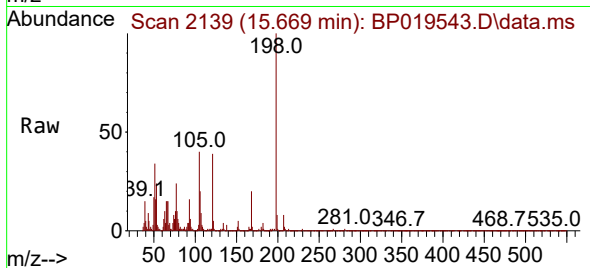




#65
4,6-Dinitro-2-methylphenol
Concen: 9.402 ng
RT: 15.669 min Scan# 2141
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

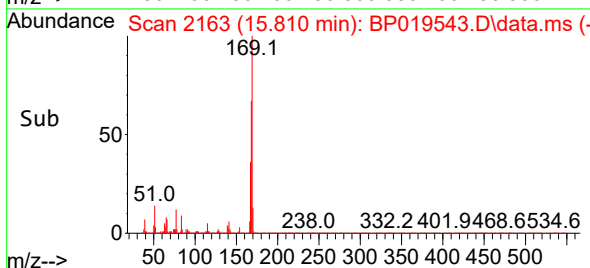
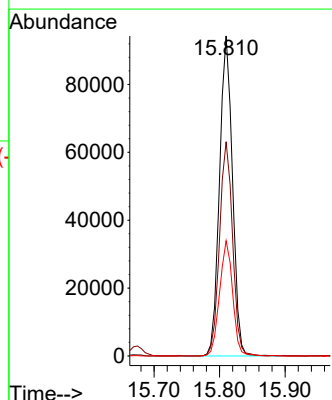
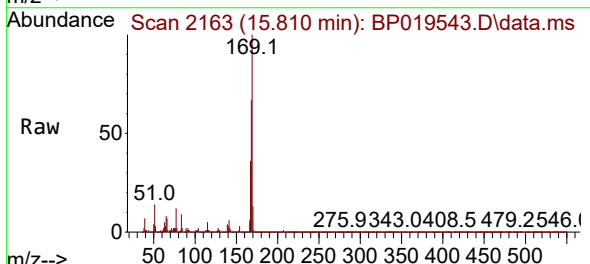
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

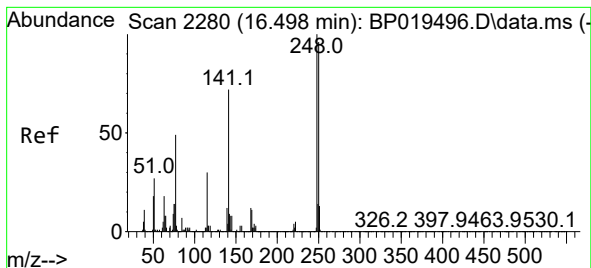
Tgt Ion:198 Resp: 19952
Ion Ratio Lower Upper
198 100
51 34.3 21.2 61.2
105 39.7 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 11.535 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:169 Resp: 128565
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 36.0 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 10.854 ng

RT: 16.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

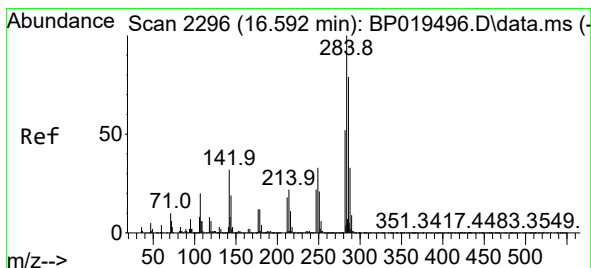
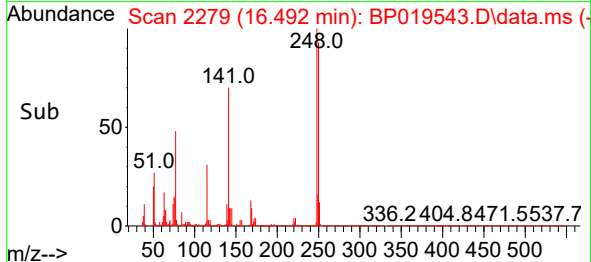
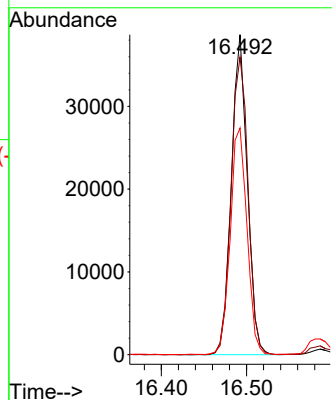
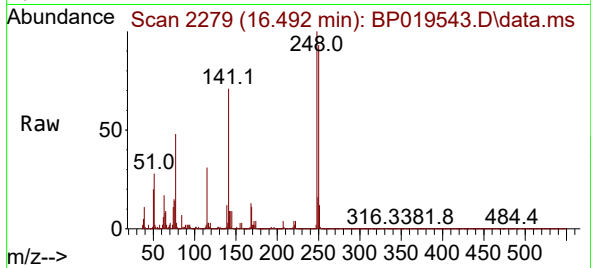
Tgt Ion:248 Resp: 50496

Ion Ratio Lower Upper

248 100

250 93.0 76.9 115.3

141 70.9 58.0 87.0



#68

Hexachlorobenzene

Concen: 11.004 ng

RT: 16.586 min Scan# 2295

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

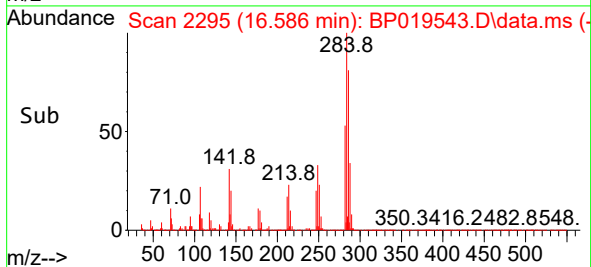
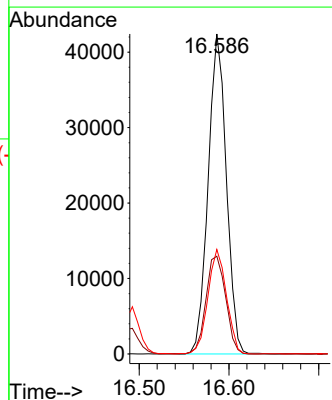
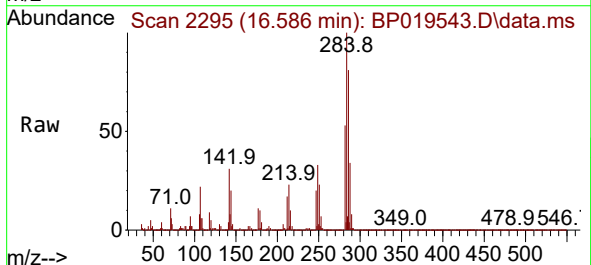
Tgt Ion:284 Resp: 59784

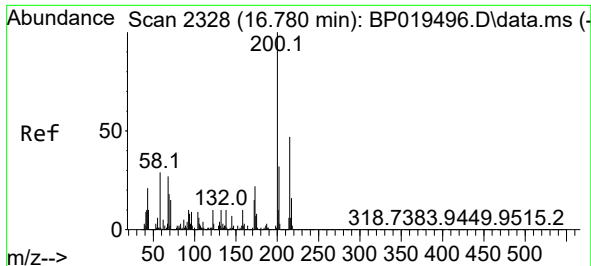
Ion Ratio Lower Upper

284 100

142 30.6 25.4 38.2

249 32.6 26.5 39.7

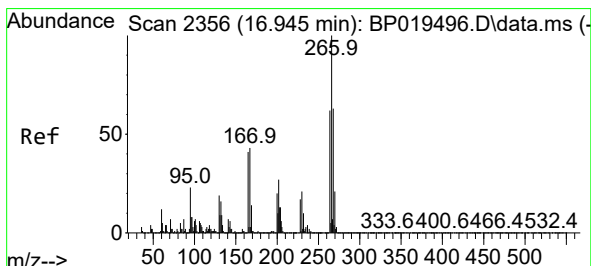
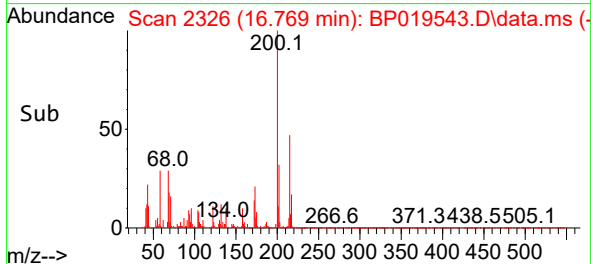
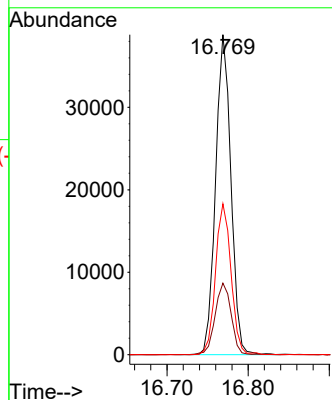
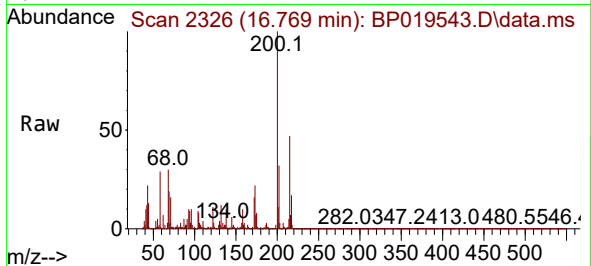




#69
Atrazine
Concen: 13.747 ng
RT: 16.769 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

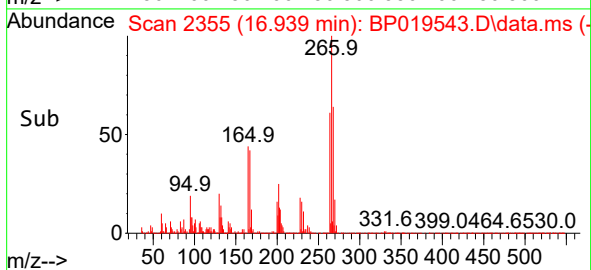
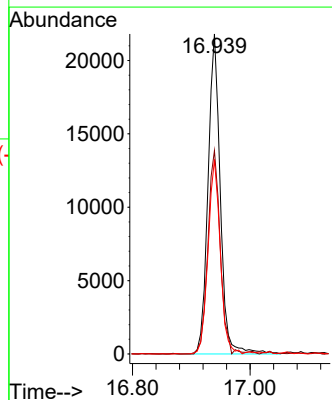
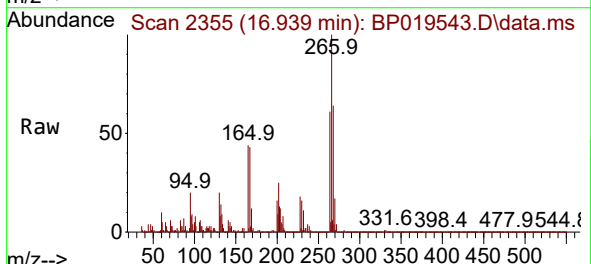
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

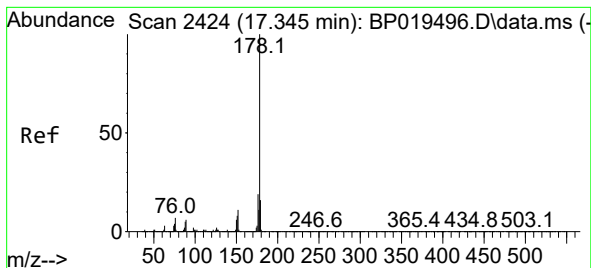
Tgt Ion:200 Resp: 50844
Ion Ratio Lower Upper
200 100
173 22.3 1.7 41.7
215 47.1 26.9 66.9



#70
Pentachlorophenol
Concen: 9.348 ng
RT: 16.939 min Scan# 2355
Delta R.T. -0.006 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:266 Resp: 31628
Ion Ratio Lower Upper
266 100
268 63.6 50.3 75.5
264 60.8 49.7 74.5





#71

Phenanthrene

Concen: 11.843 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

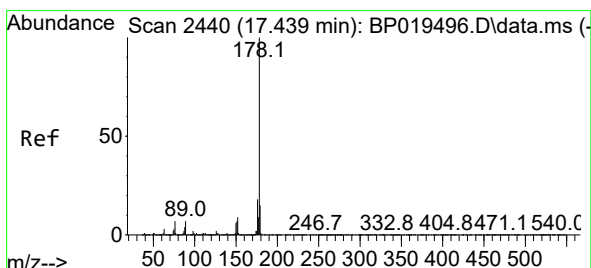
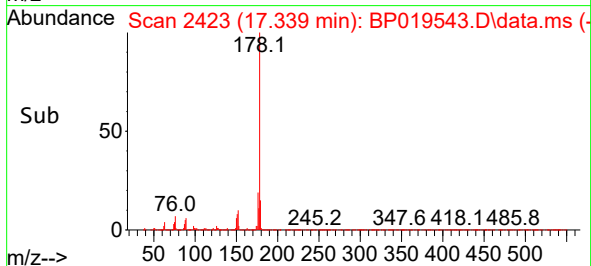
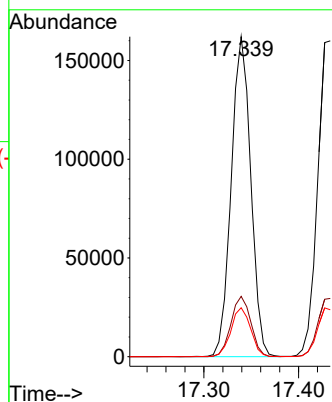
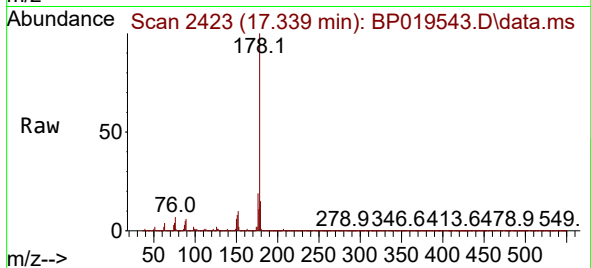
Tgt Ion:178 Resp: 231943

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.3 12.6 19.0



#72

Anthracene

Concen: 11.707 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

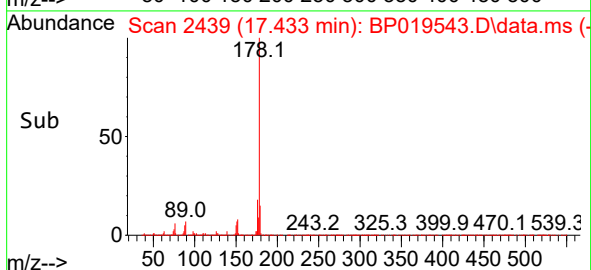
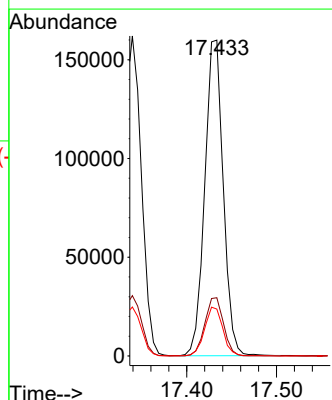
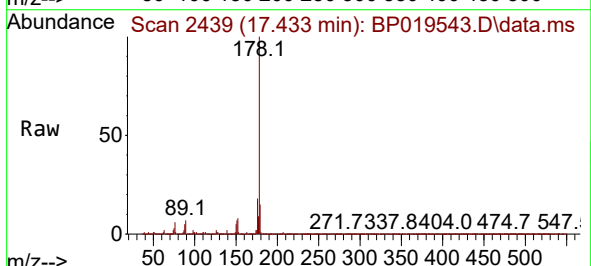
Tgt Ion:178 Resp: 228733

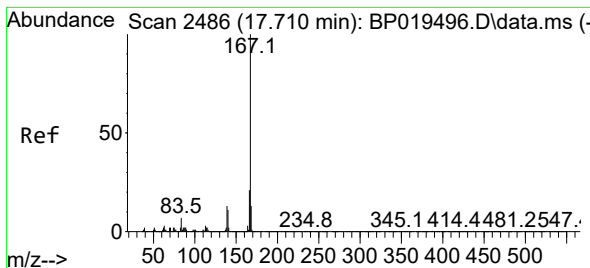
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 14.9 12.2 18.2





#73

Carbazole

Concen: 10.804 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

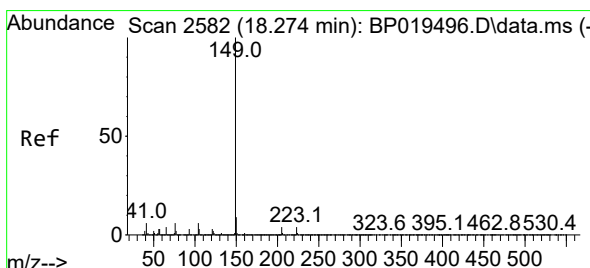
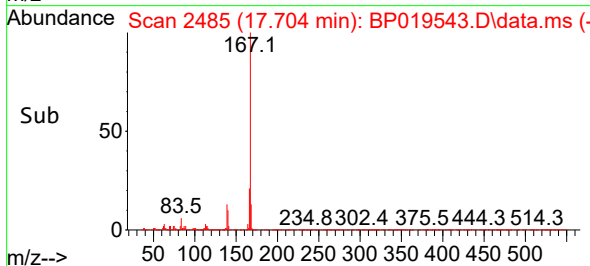
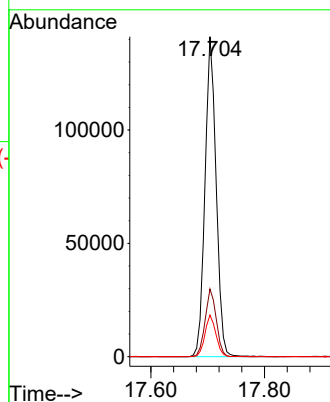
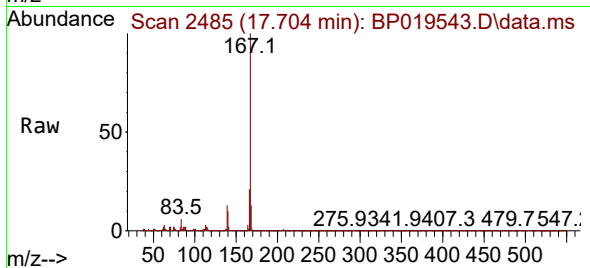
Tgt Ion:167 Resp: 191762

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 13.0 10.6 15.8



#74

Di-n-butylphthalate

Concen: 10.834 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

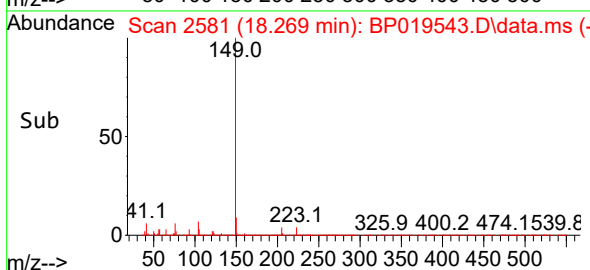
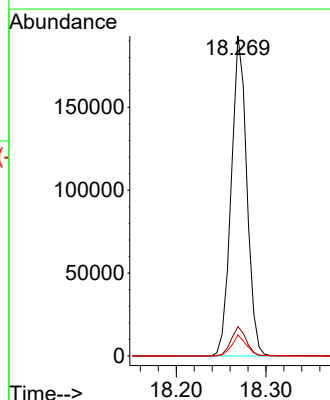
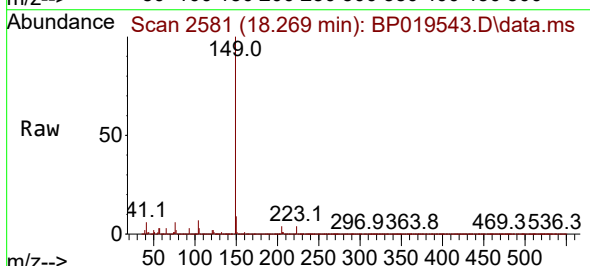
Tgt Ion:149 Resp: 232505

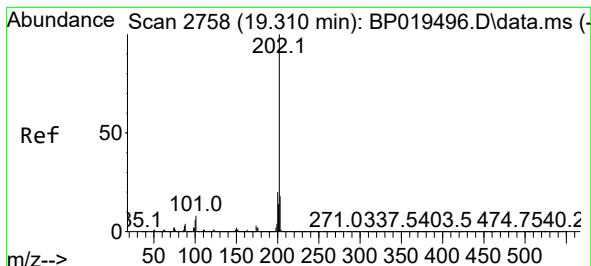
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 6.5 4.8 7.2





#75

Fluoranthene

Concen: 10.435 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

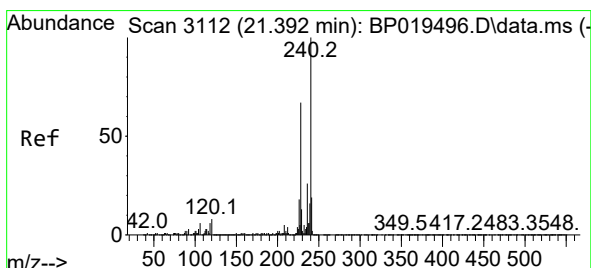
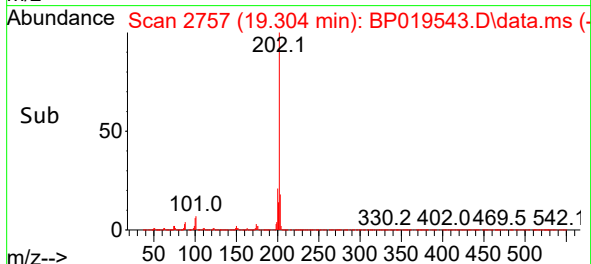
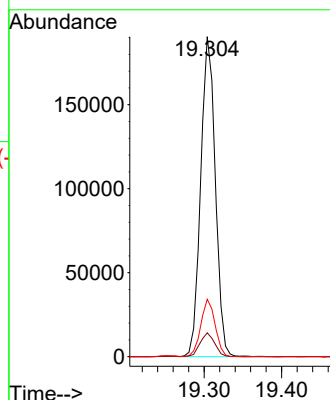
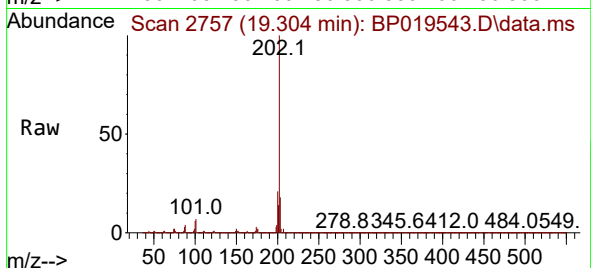
Tgt Ion:202 Resp: 249655

Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.7

203 18.0 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: BP019543.D

Acq: 03 Feb 2024 00:07

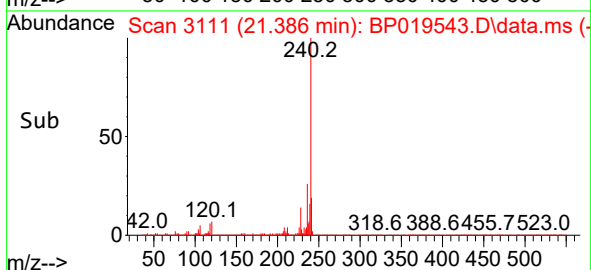
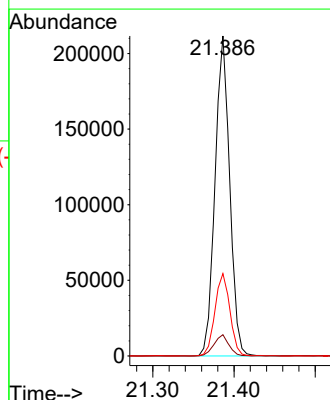
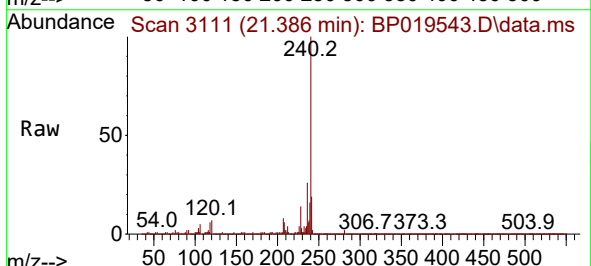
Tgt Ion:240 Resp: 264982

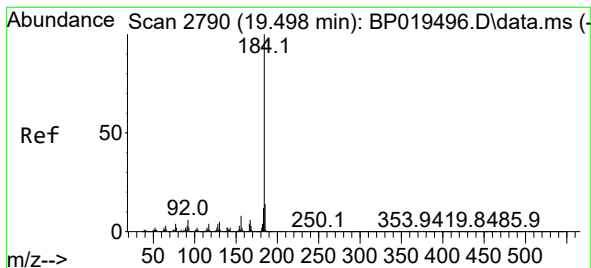
Ion Ratio Lower Upper

240 100

120 6.6 6.1 9.1

236 25.7 20.7 31.1





#77

Benzidine

Concen: 18.392 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

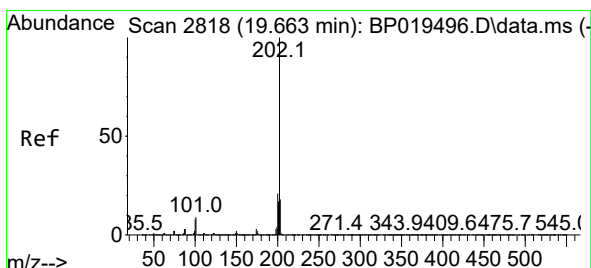
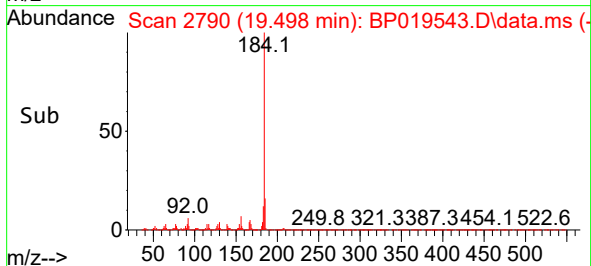
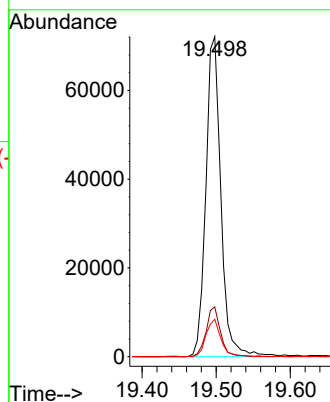
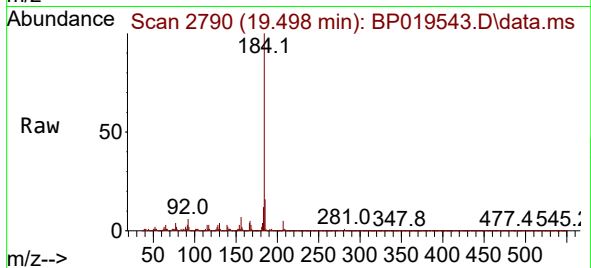
Tgt Ion:184 Resp: 101889

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

183 11.7 9.7 14.5



#78

Pyrene

Concen: 13.597 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

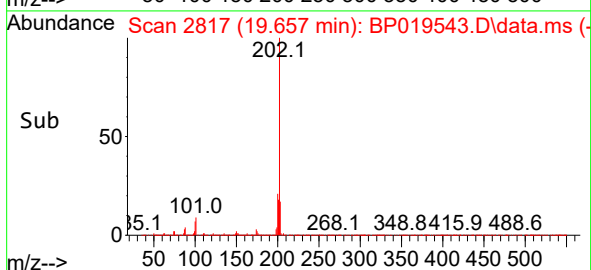
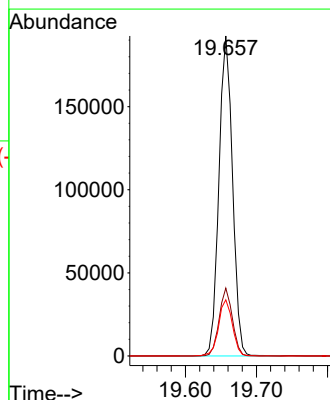
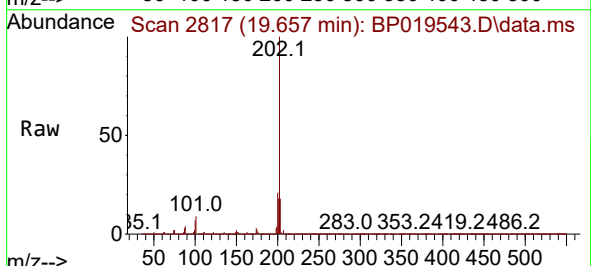
Tgt Ion:202 Resp: 254280

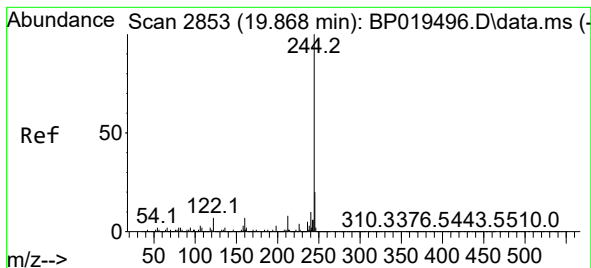
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 147.370 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

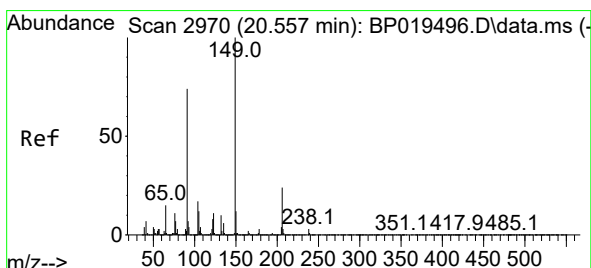
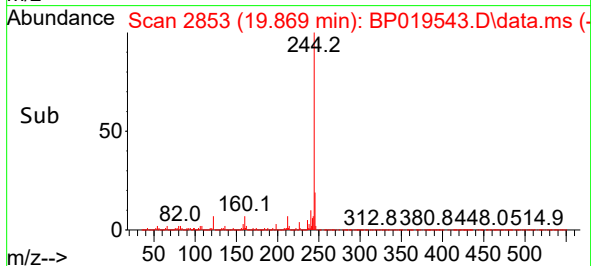
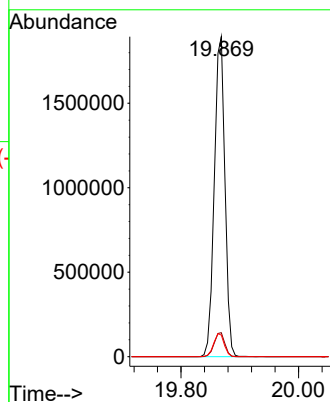
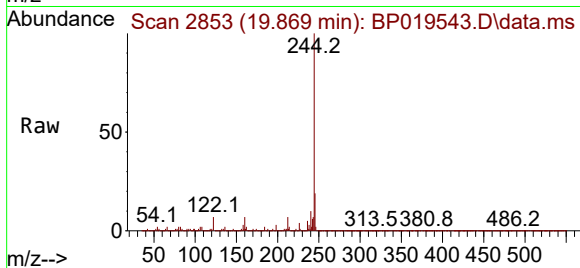
Tgt Ion:244 Resp: 2374542

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 6.8 5.9 8.9



#80

Butylbenzylphthalate

Concen: 10.814 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

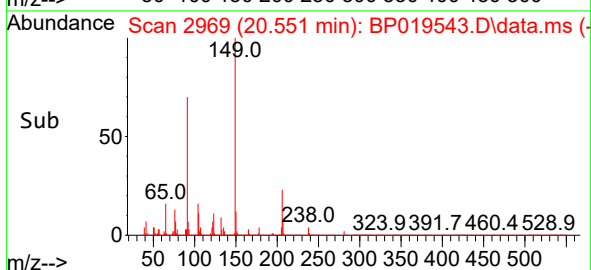
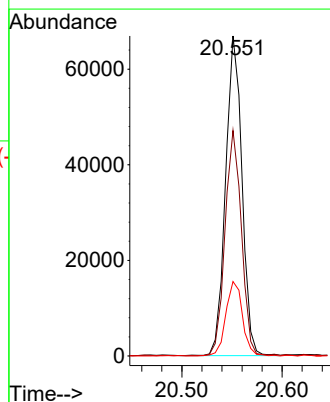
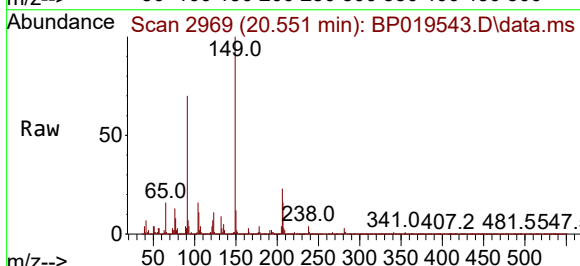
Tgt Ion:149 Resp: 75526

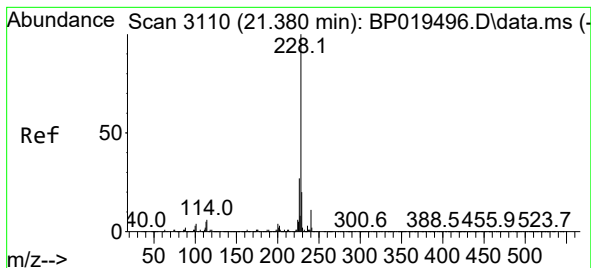
Ion Ratio Lower Upper

149 100

91 70.4 59.4 89.0

206 23.3 19.0 28.6





#81

Benzo(a)anthracene

Concen: 11.596 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

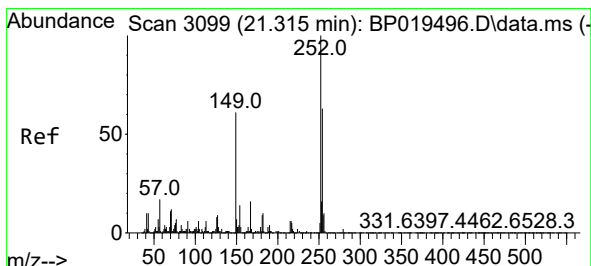
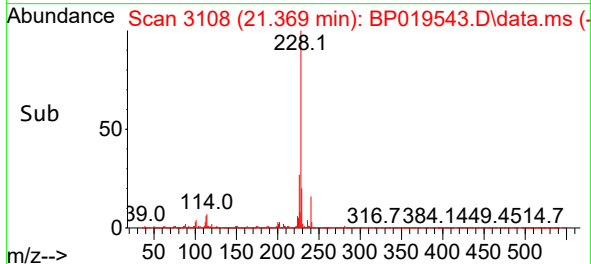
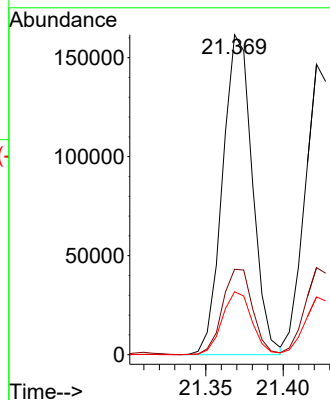
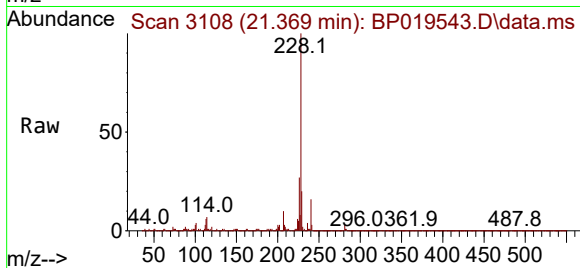
Tgt Ion:228 Resp: 216305

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

229 19.7 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 10.882 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

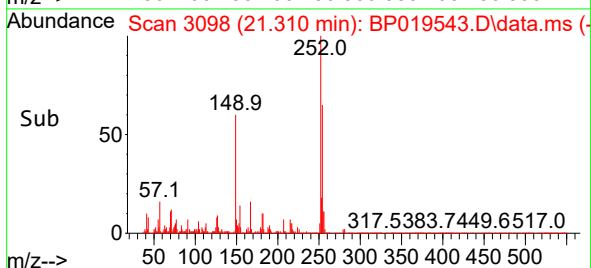
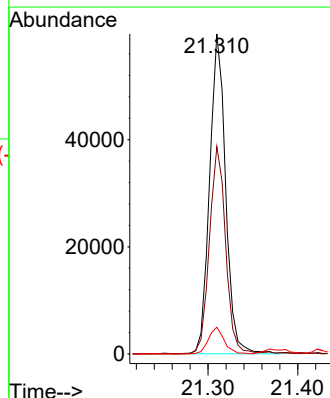
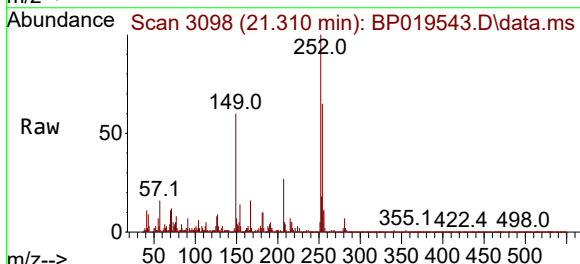
Tgt Ion:252 Resp: 73965

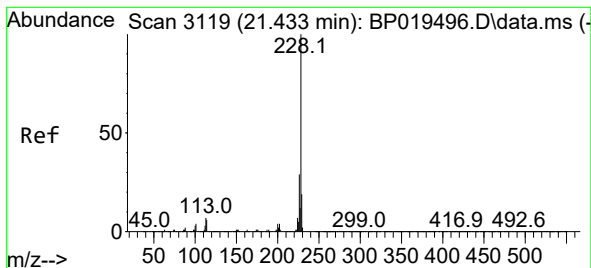
Ion Ratio Lower Upper

252 100

254 64.8 50.7 76.1

126 8.3 6.4 9.6





#83

Chrysene

Concen: 11.261 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

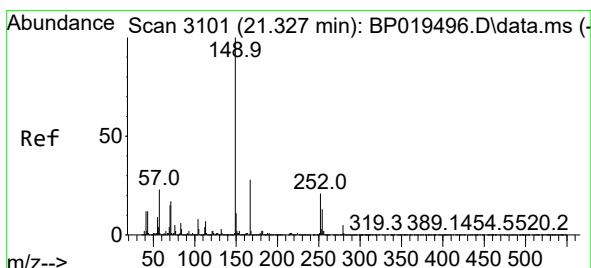
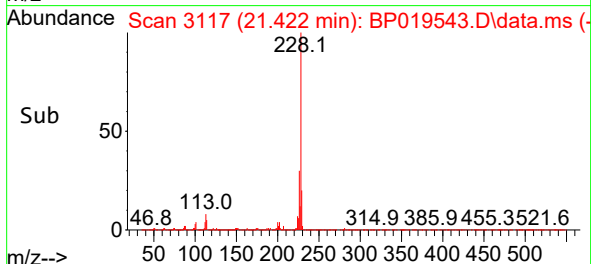
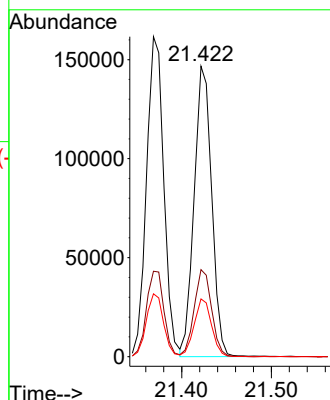
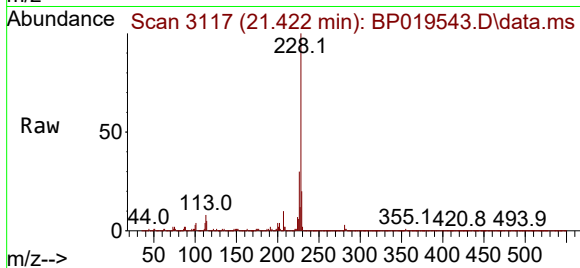
Tgt Ion:228 Resp: 199421

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.306 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

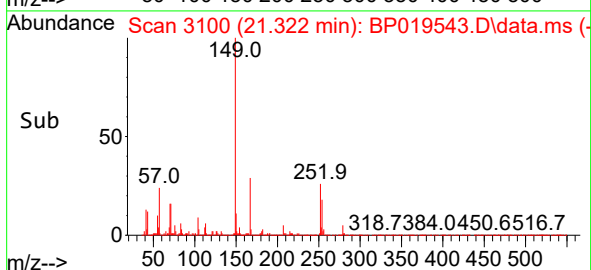
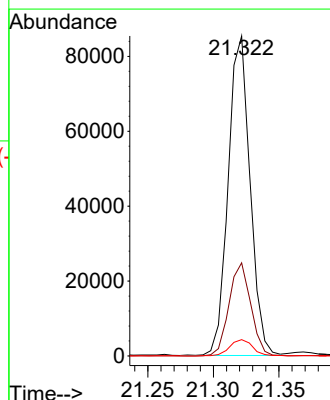
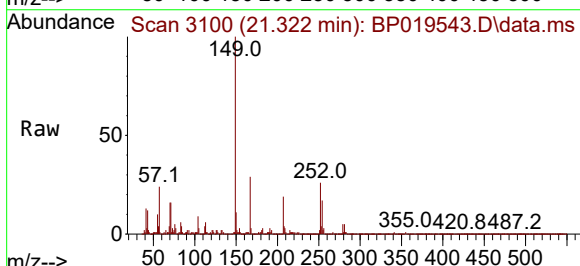
Tgt Ion:149 Resp: 98968

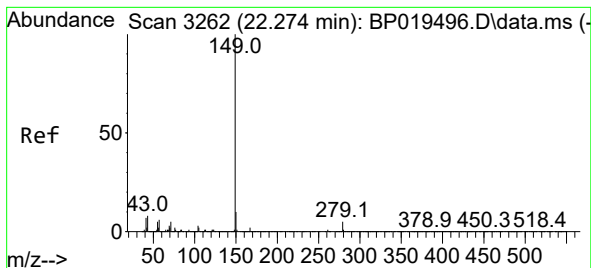
Ion Ratio Lower Upper

149 100

167 29.1 22.7 34.1

279 5.1 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 8.068 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

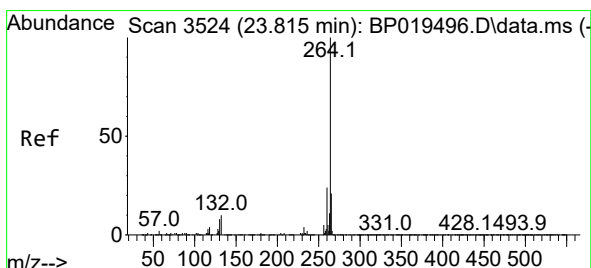
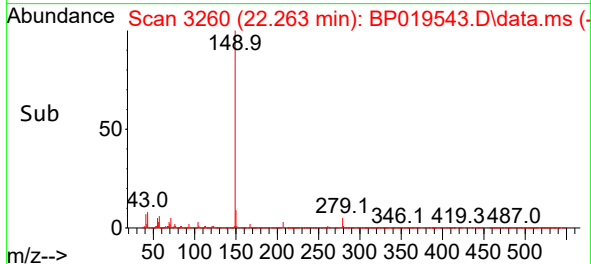
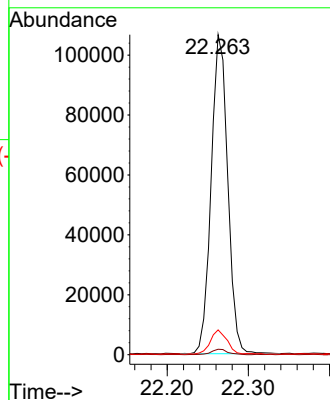
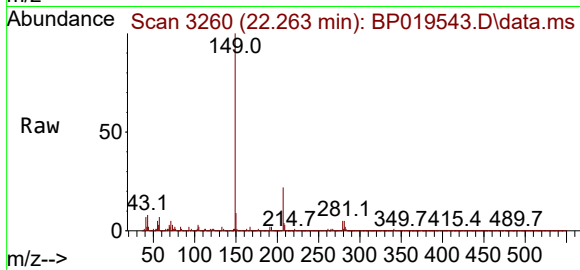
Tgt Ion:149 Resp: 150954

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.6 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: BP019543.D

Acq: 03 Feb 2024 00:07

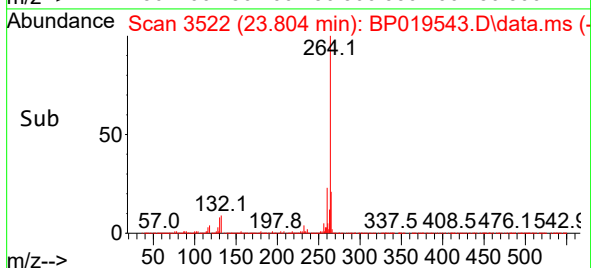
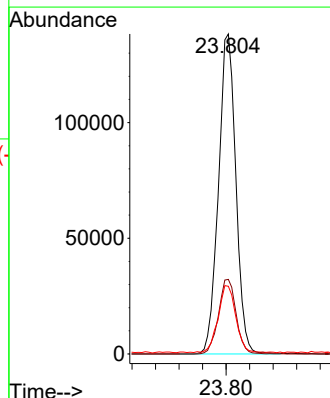
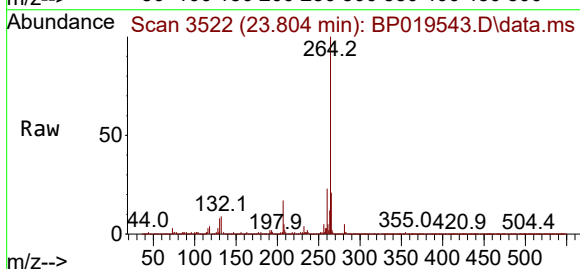
Tgt Ion:264 Resp: 284060

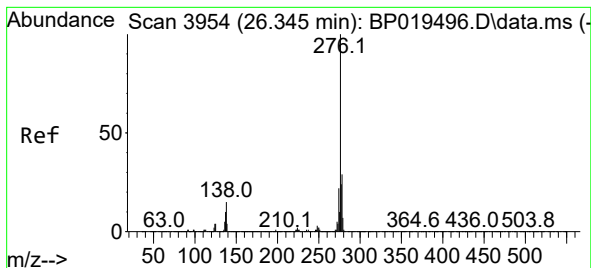
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.571 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

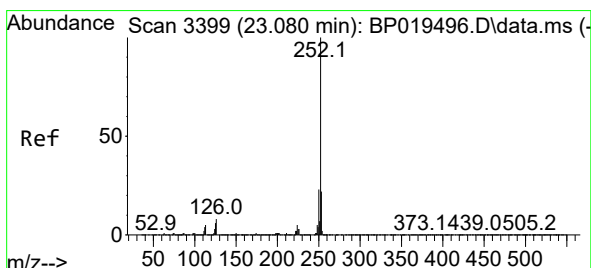
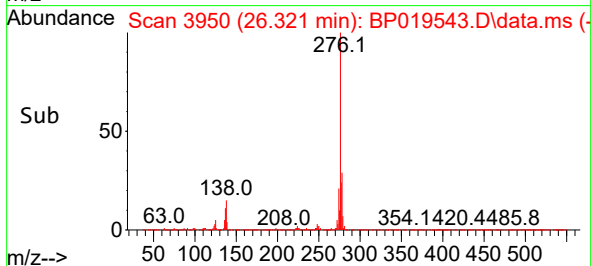
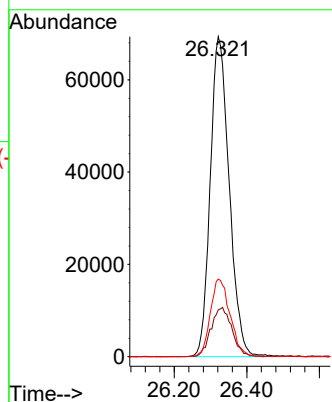
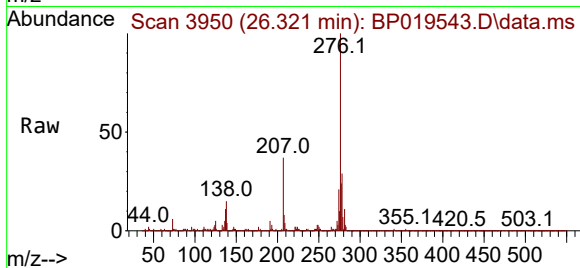
Tgt Ion:276 Resp: 251598

Ion Ratio Lower Upper

276 100

138 17.0 13.1 19.7

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.283 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

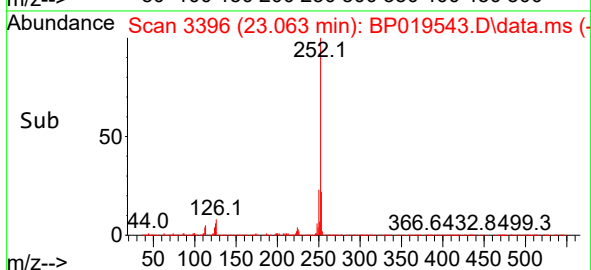
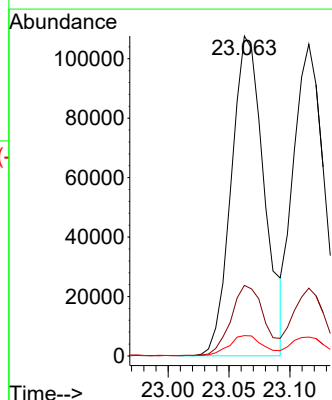
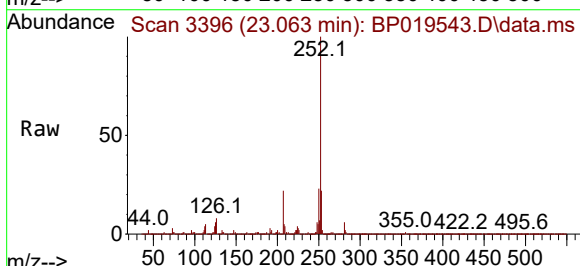
Tgt Ion:252 Resp: 201995

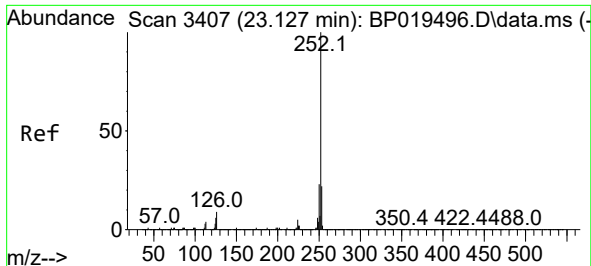
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 6.4 4.9 7.3

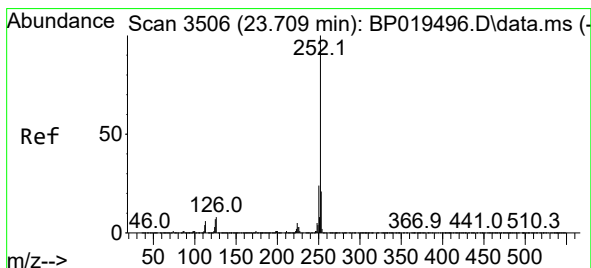
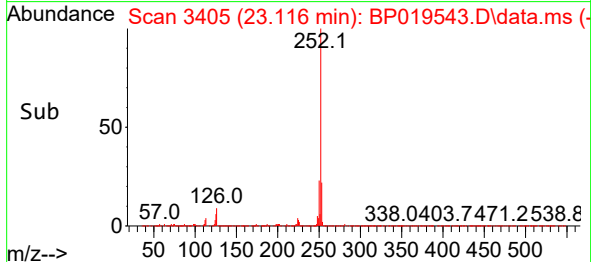
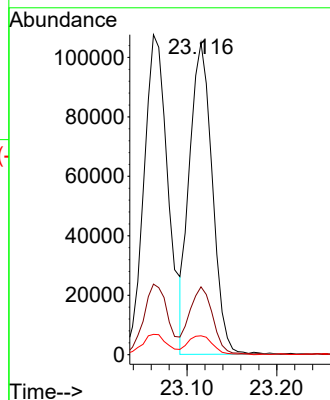
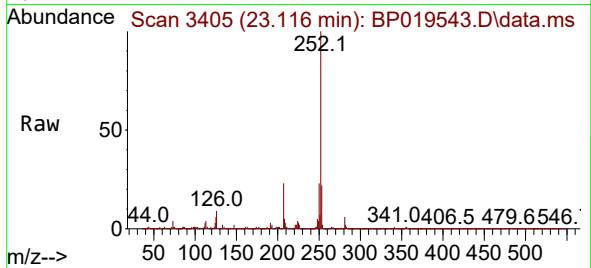




#89
Benzo(k)fluoranthene
Concen: 10.760 ng
RT: 23.116 min Scan# 34
Delta R.T. -0.011 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

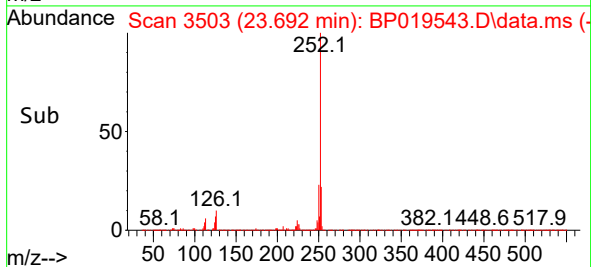
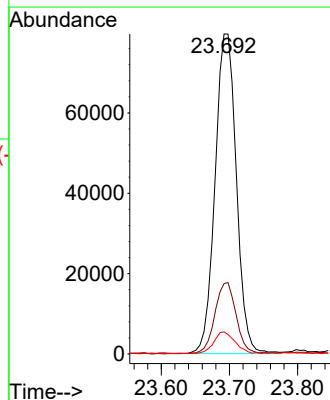
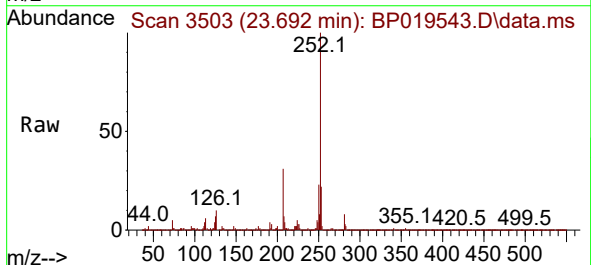
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

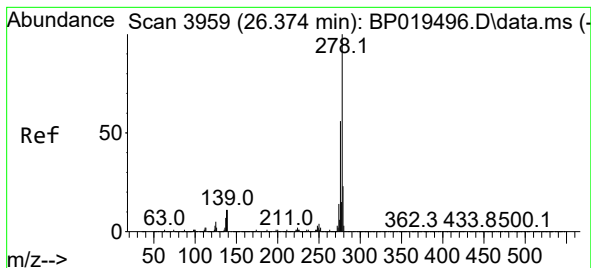
Tgt Ion:252 Resp: 184020
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 6.0 5.0 7.6



#90
Benzo(a)pyrene
Concen: 10.856 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019543.D
Acq: 03 Feb 2024 00:07

Tgt Ion:252 Resp: 172937
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.9 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 11.636 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

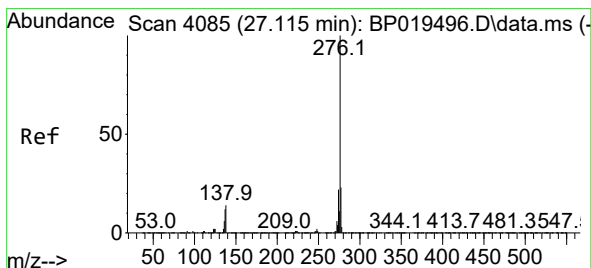
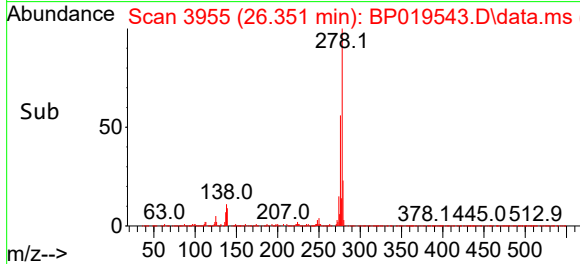
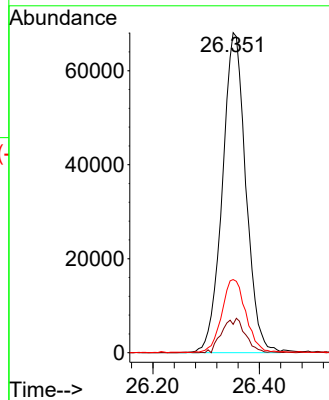
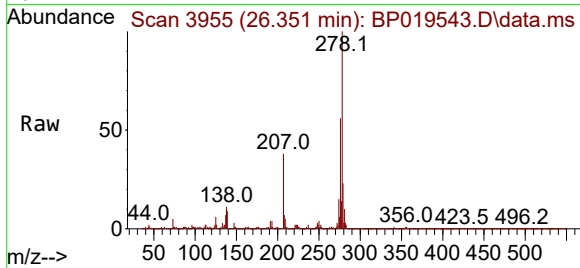
Tgt Ion:278 Resp: 208096

Ion Ratio Lower Upper

278 100

139 8.8 8.6 12.8

279 22.8 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 11.315 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019543.D

Acq: 03 Feb 2024 00:07

Tgt Ion:276 Resp: 205292

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 13.1 10.9 16.3

