

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019547.D
 Acq On : 03 Feb 2024 02:23
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Feb 03 03:21:43 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	49442	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	190080	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	112878	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	232016	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	260299	20.000	ng	0.00
86) Perylene-d12	23.804	264	333906	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	627651	204.629	ng	0.00
7) Phenol-d6	7.081	99	814427	196.921	ng	0.00
23) Nitrobenzene-d5	9.075	82	514427	117.271	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	340977	206.891	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1120723	122.740	ng	0.00
79) Terphenyl-d14	19.863	244	1716954	108.475	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	15142	12.813	ng	97
3) Pyridine	3.787	79	34650	10.815	ng	93
4) n-Nitrosodimethylamine	3.711	42	15436	11.066	ng	# 98
6) Aniline	7.240	93	55392	13.784	ng	97
8) 2-Chlorophenol	7.469	128	35900	11.400	ng	97
9) Benzaldehyde	7.058	77	38401	13.243	ng	92
10) Phenol	7.105	94	47210	11.453	ng	91
11) bis(2-Chloroethyl)ether	7.346	93	38184	11.907	ng	97
12) 1,3-Dichlorobenzene	7.799	146	45147	11.716	ng	98
13) 1,4-Dichlorobenzene	7.946	146	45833	11.740	ng	98
14) 1,2-Dichlorobenzene	8.258	146	43398	11.489	ng	98
15) Benzyl Alcohol	8.158	79	38622	11.688	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.440	45	39167	12.213	ng	96
17) 2-Methylphenol	8.352	107	31532	11.362	ng	99
18) Hexachloroethane	8.981	117	17341	11.460	ng	96
19) n-Nitroso-di-n-propyla...	8.722	70	31435	11.128	ng	# 96
20) 3+4-Methylphenols	8.681	107	42289	11.166	ng	97
22) Acetophenone	8.740	105	61998	11.449	ng	# 98
24) Nitrobenzene	9.122	77	50996	11.546	ng	99
25) Isophorone	9.640	82	81964	10.729	ng	99
26) 2-Nitrophenol	9.828	139	17169	10.195	ng	98
27) 2,4-Dimethylphenol	9.887	122	27839	12.928	ng	94
28) bis(2-Chloroethoxy)met...	10.134	93	48511	11.223	ng	95
29) 2,4-Dichlorophenol	10.357	162	35426	10.883	ng	97
30) 1,2,4-Trichlorobenzene	10.575	180	44853	11.238	ng	92
31) Naphthalene	10.757	128	116086	11.135	ng	99
32) Benzoic acid	9.952	122	15574	7.423	ng	# 78
33) 4-Chloroaniline	10.881	127	45818	11.884	ng	98
34) Hexachlorobutadiene	11.034	225	32833	11.101	ng	94
35) Caprolactam	11.651	113	8964	9.727	ng	92
36) 4-Chloro-3-methylphenol	11.993	107	36067	10.161	ng	98
37) 2-Methylnaphthalene	12.369	142	78192	10.838	ng	99
38) 1-Methylnaphthalene	12.587	142	78309	11.045	ng	99
40) 1,2,4,5-Tetrachloroben...	12.728	216	53949	12.393	ng	99
41) Hexachlorocyclopentadiene	12.704	237	30650	15.585	ng	97
43) 2,4,6-Trichlorophenol	12.975	196	29508	11.194	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019547.D
 Acq On : 03 Feb 2024 02:23
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

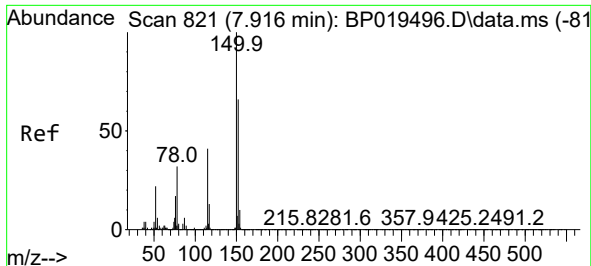
Quant Time: Feb 03 03:21:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	31911	11.024	ng	95
46) 1,1'-Biphenyl	13.381	154	108131	12.002	ng	98
47) 2-Chloronaphthalene	13.422	162	87021	11.767	ng	95
48) 2-Nitroaniline	13.628	65	21370	10.334	ng	94
49) Acenaphthylene	14.263	152	127945	12.331	ng	99
50) Dimethylphthalate	14.010	163	97003	11.226	ng	100
51) 2,6-Dinitrotoluene	14.134	165	19203	10.115	ng	90
52) Acenaphthene	14.604	154	73882	11.473	ng	98
53) 3-Nitroaniline	14.457	138	18742	10.742	ng	# 98
54) 2,4-Dinitrophenol	14.663	184	8769	8.896	ng	96
55) Dibenzofuran	14.940	168	123242	11.750	ng	96
56) 4-Nitrophenol	14.751	139	14350	10.035	ng	92
57) 2,4-Dinitrotoluene	14.910	165	24442	9.824	ng	95
58) Fluorene	15.592	166	94559	11.319	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.163	232	26138	10.736	ng	97
60) Diethylphthalate	15.375	149	91066	10.595	ng	96
61) 4-Chlorophenyl-phenyle...	15.592	204	53721	11.442	ng	97
62) 4-Nitroaniline	15.616	138	18522	10.128	ng	96
63) Azobenzene	15.887	77	88677	10.669	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	12376	9.355	ng	88
66) n-Nitrosodiphenylamine	15.810	169	79078	11.380	ng	97
67) 4-Bromophenyl-phenylether	16.492	248	31655	10.914	ng	97
68) Hexachlorobenzene	16.587	284	37907	11.192	ng	94
69) Atrazine	16.769	200	30042	13.029	ng	93
70) Pentachlorophenol	16.939	266	19787	9.381	ng	93
71) Phenanthrene	17.339	178	145704	11.933	ng	99
72) Anthracene	17.428	178	143044	11.744	ng	99
73) Carbazole	17.704	167	125544	11.346	ng	99
74) Di-n-butylphthalate	18.269	149	142135	10.624	ng	99
75) Fluoranthene	19.304	202	173792	11.651	ng	98
77) Benzidine	19.492	184	100697	18.504	ng	99
78) Pyrene	19.657	202	183502	9.989	ng	99
80) Butylbenzylphthalate	20.551	149	64496	9.401	ng	96
81) Benzo(a)anthracene	21.369	228	211637	11.550	ng	100
82) 3,3'-Dichlorobenzidine	21.310	252	80886	12.114	ng	100
83) Chrysene	21.422	228	197149	11.333	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	104210	9.975	ng	97
85) Di-n-octyl phthalate	22.263	149	183737	9.996	ng	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	282865	11.067	ng	99
88) Benzo(b)fluoranthene	23.063	252	237933	11.306	ng	99
89) Benzo(k)fluoranthene	23.116	252	211863	10.539	ng	99
90) Benzo(a)pyrene	23.692	252	203825	10.885	ng	99
91) Dibenzo(a,h)anthracene	26.345	278	233038	11.086	ng	99
92) Benzo(g,h,i)perylene	27.092	276	225767	10.586	ng	98

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

Quant Time: Feb 03 03:21:43 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

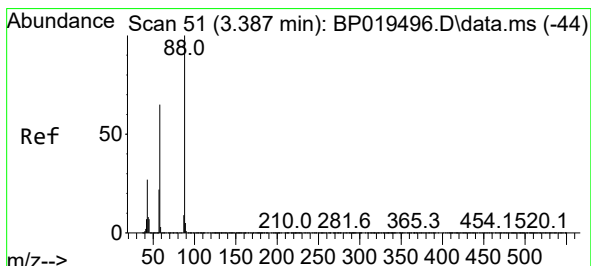
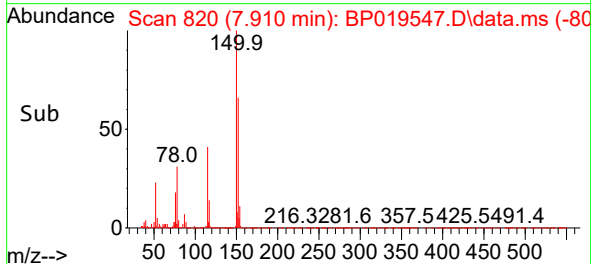
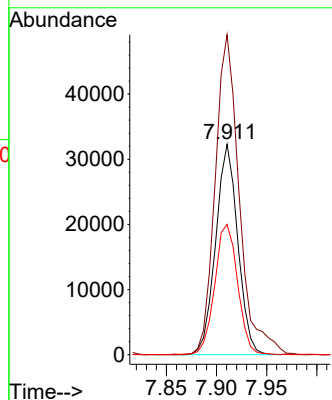
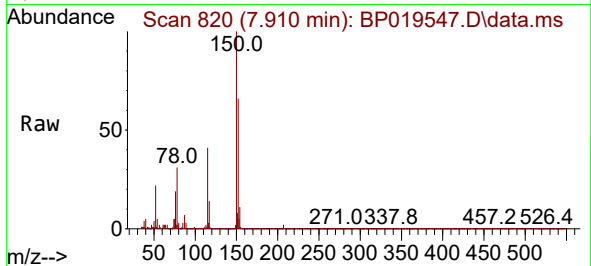




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

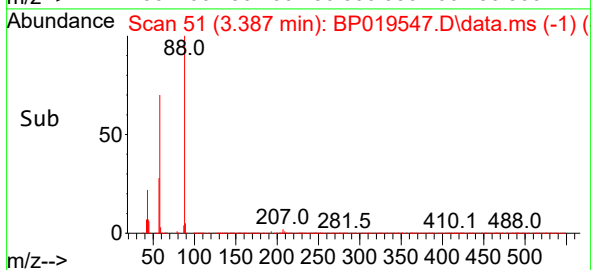
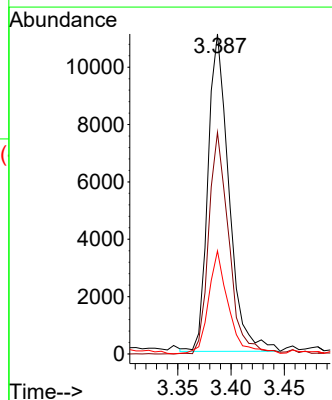
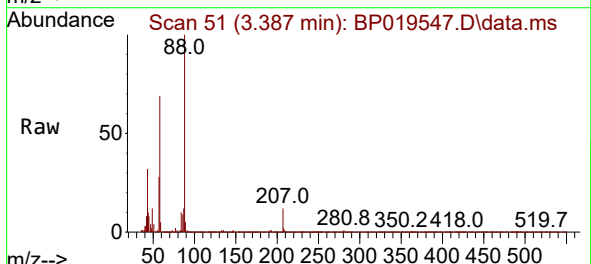
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

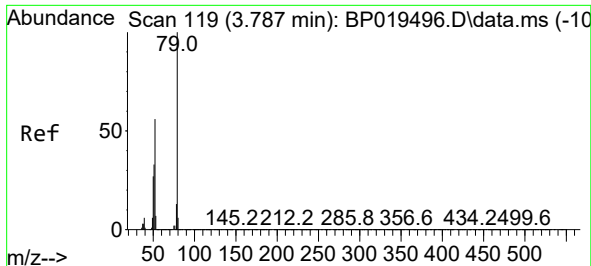
Tgt Ion:152 Resp: 49442
Ion Ratio Lower Upper
152 100
150 152.1 121.8 182.8
115 61.9 49.9 74.9



#2
1,4-Dioxane
Concen: 12.813 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 88 Resp: 15142
Ion Ratio Lower Upper
88 100
58 67.1 52.6 78.8
43 30.8 21.9 32.9

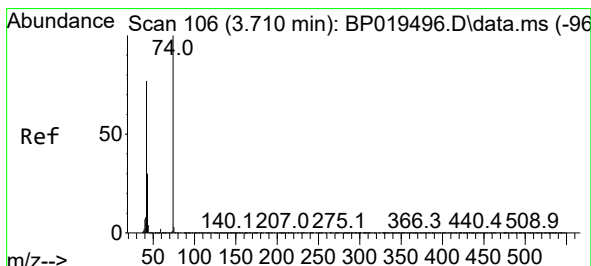
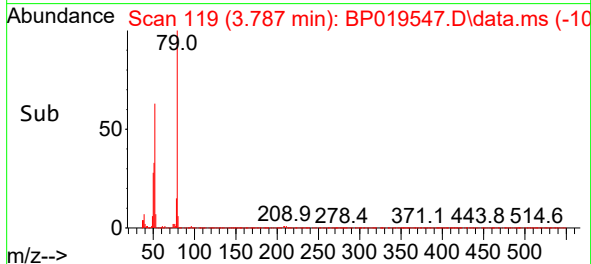
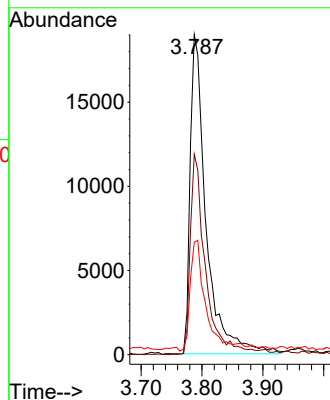
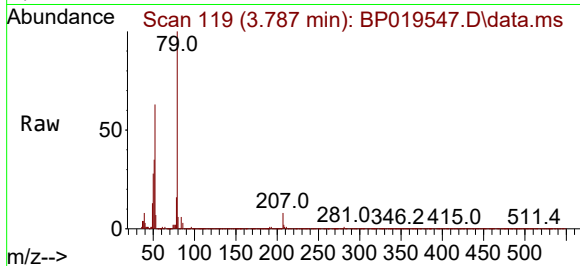




#3
Pyridine
Concen: 10.815 ng
RT: 3.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

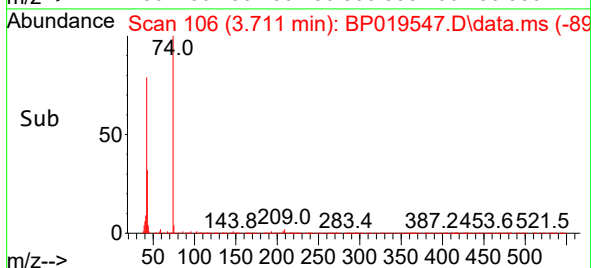
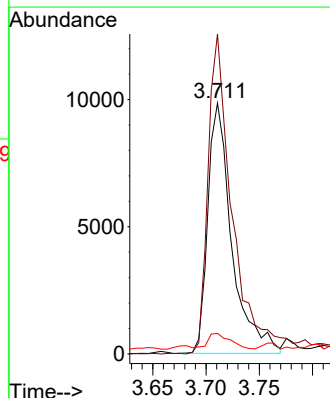
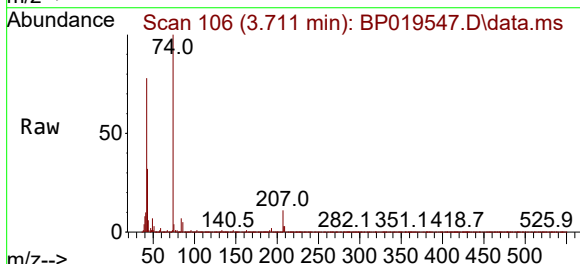
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

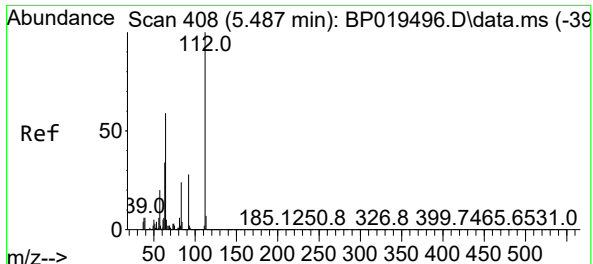
Tgt Ion: 79 Resp: 34650
Ion Ratio Lower Upper
79 100
52 62.7 45.0 67.6
51 35.2 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 11.066 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 42 Resp: 15436
Ion Ratio Lower Upper
42 100
74 127.5 103.4 155.2
44 8.2 4.8 7.2#

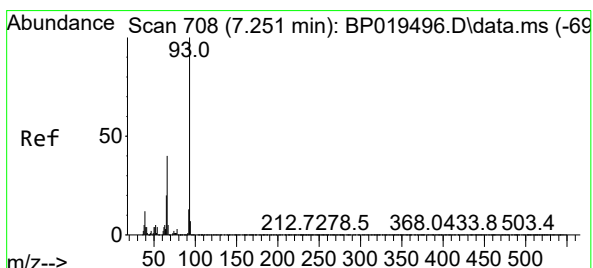
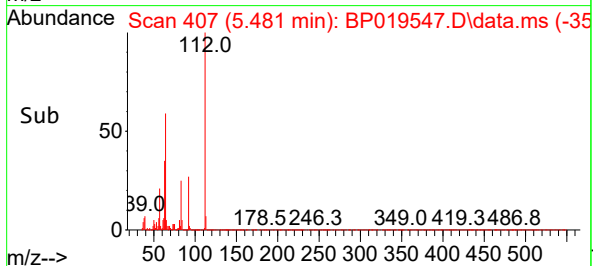
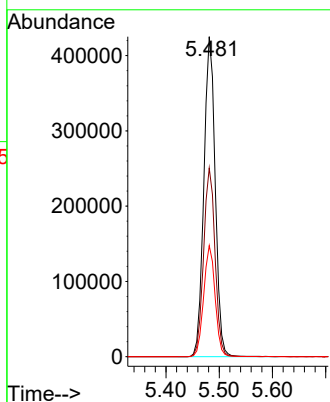
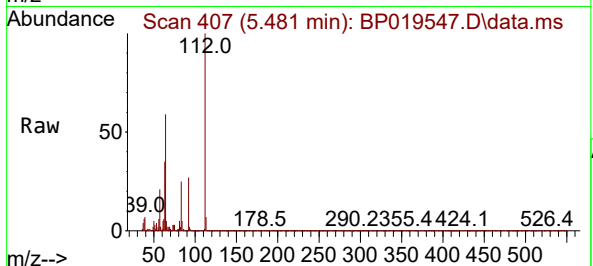




#5
2-Fluorophenol
Concen: 204.629 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

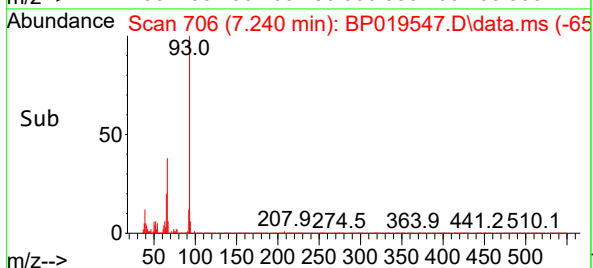
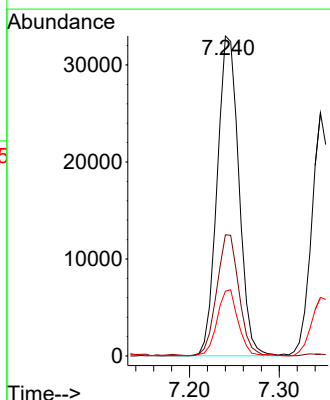
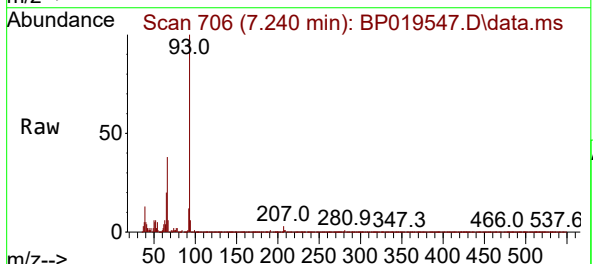
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

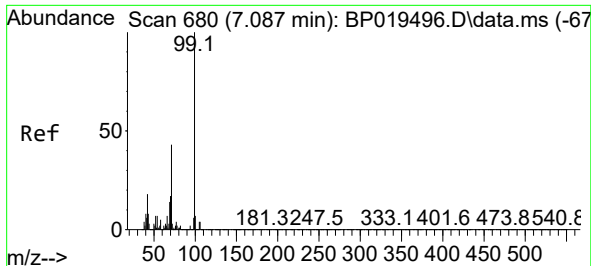
Tgt Ion:112 Resp: 627651
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 34.7 27.0 40.6



#6
Aniline
Concen: 13.784 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 93 Resp: 55392
Ion Ratio Lower Upper
93 100
66 37.8 32.3 48.5
65 20.3 16.4 24.6

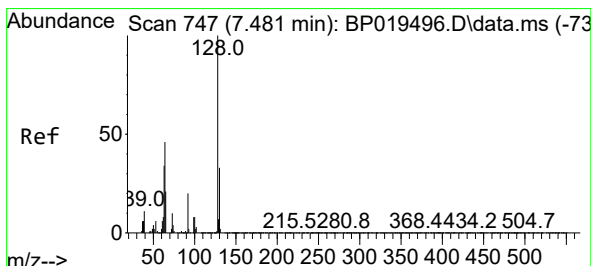
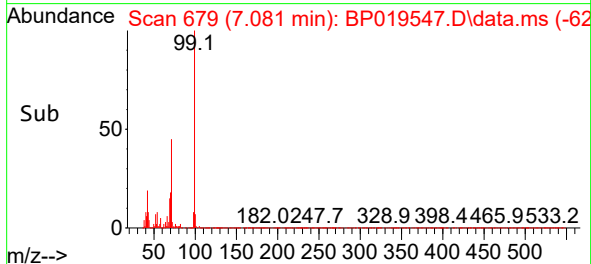
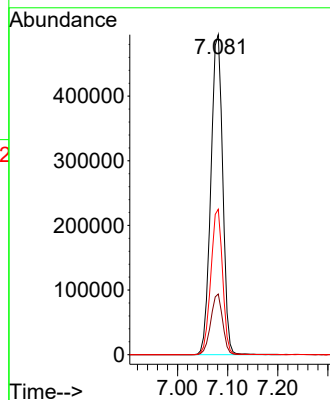
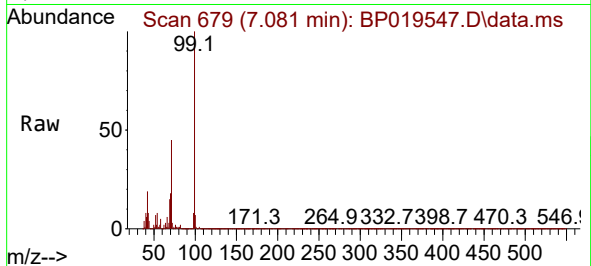




#7
Phenol-d6
Concen: 196.921 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

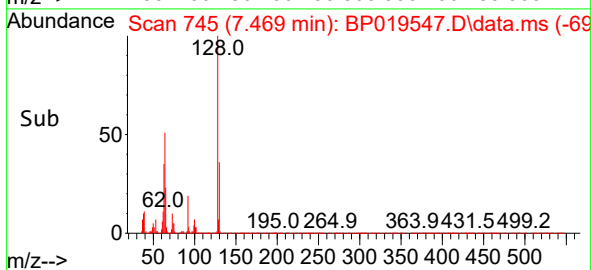
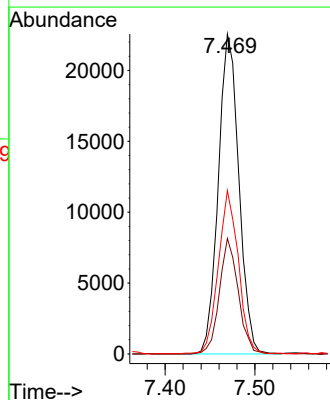
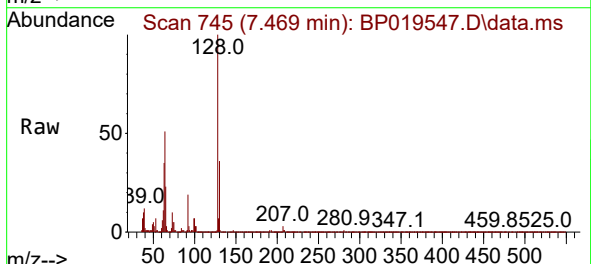
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

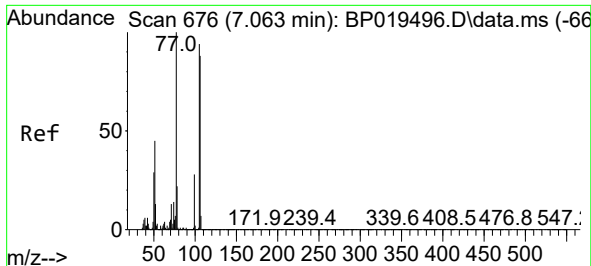
Tgt Ion: 99 Resp: 814427
Ion Ratio Lower Upper
99 100
42 19.0 14.7 22.1
71 45.4 34.8 52.2



#8
2-Chlorophenol
Concen: 11.400 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 128 Resp: 35900
Ion Ratio Lower Upper
128 100
130 36.1 13.3 53.3
64 51.0 29.7 69.7

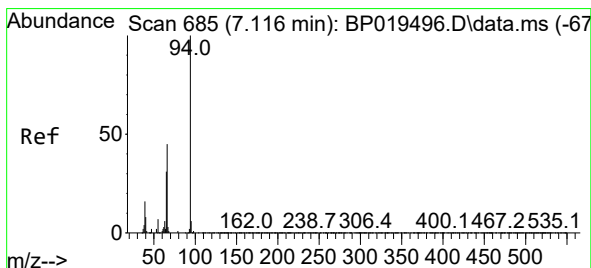
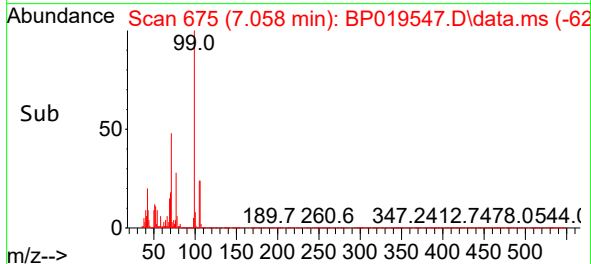
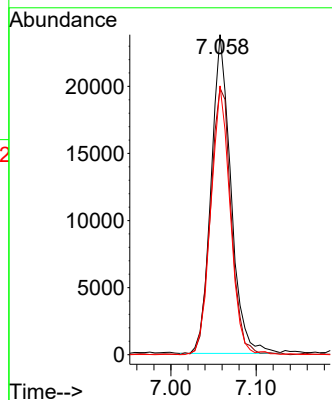
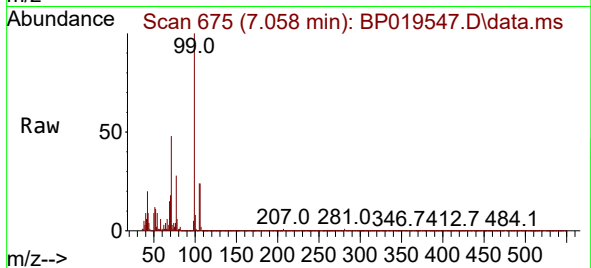




#9
Benzaldehyde
Concen: 13.243 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

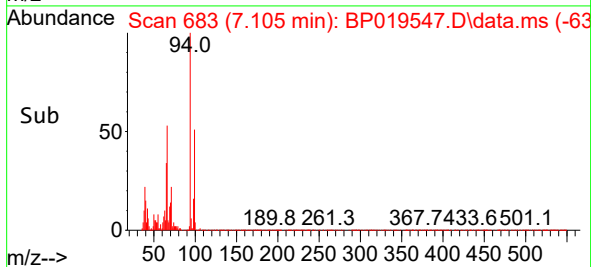
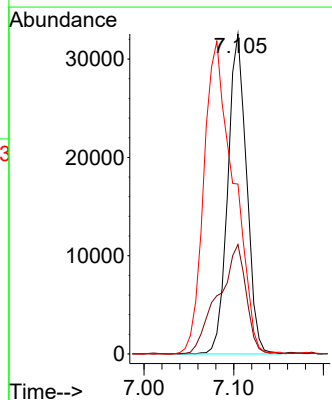
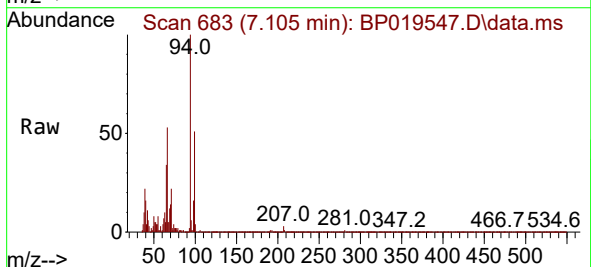
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

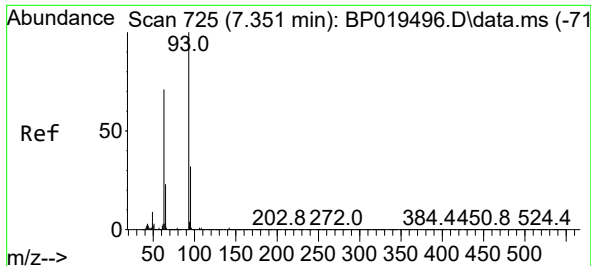
Tgt Ion: 77 Resp: 38401
Ion Ratio Lower Upper
77 100
105 83.3 74.0 114.0
106 84.0 67.8 107.8



#10
Phenol
Concen: 11.453 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 94 Resp: 47210
Ion Ratio Lower Upper
94 100
65 34.2 11.3 51.3
66 53.1 25.1 65.1

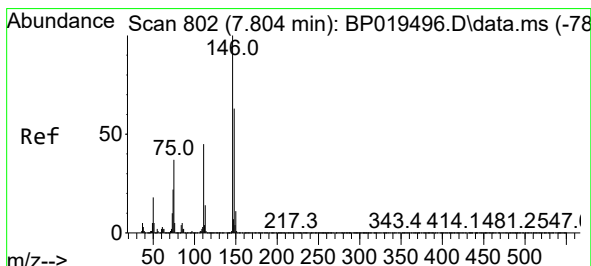
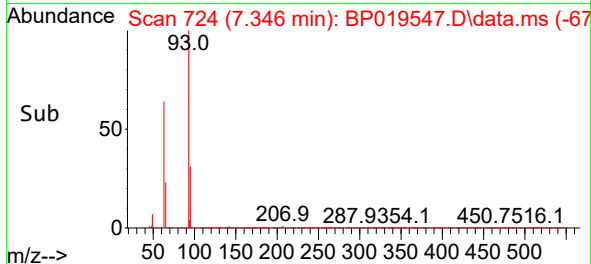
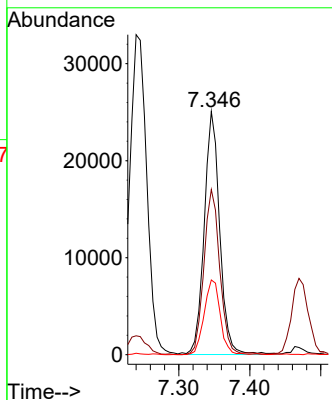
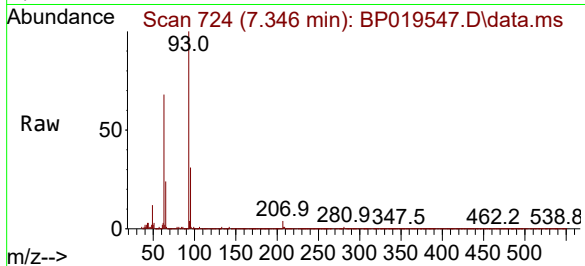




#11
bis(2-Chloroethyl)ether
Concen: 11.907 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

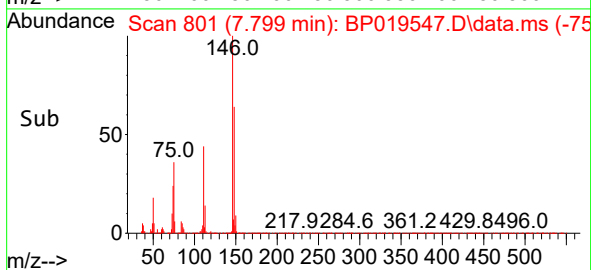
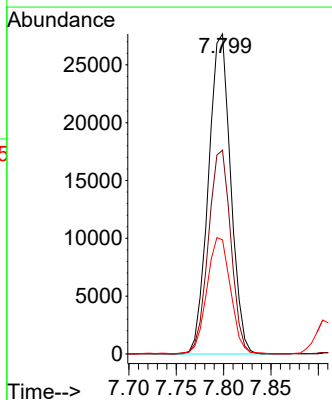
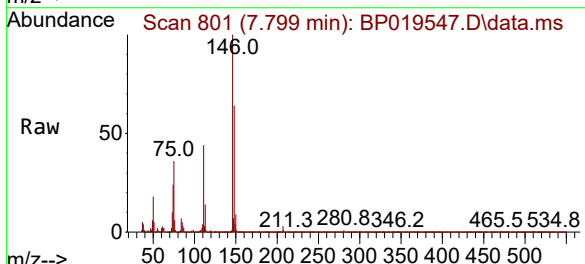
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

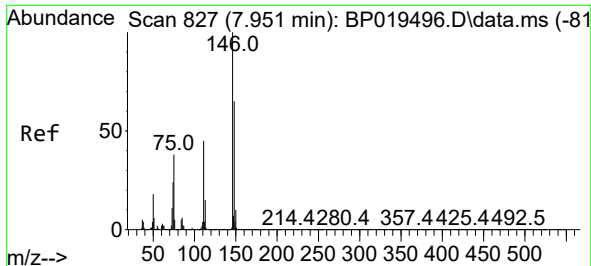
Tgt Ion: 93 Resp: 38184
Ion Ratio Lower Upper
93 100
63 67.9 51.2 91.2
95 30.7 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 11.716 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:146 Resp: 45147
Ion Ratio Lower Upper
146 100
148 63.7 50.4 75.6
75 35.7 29.9 44.9

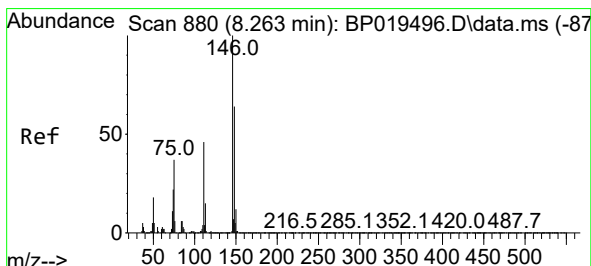
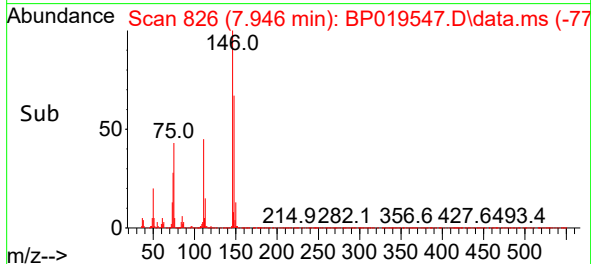
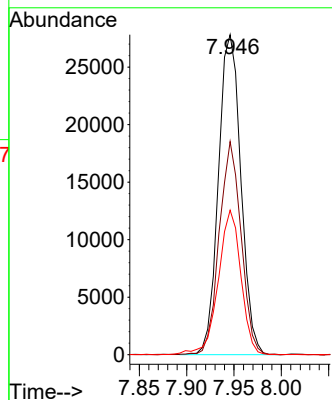
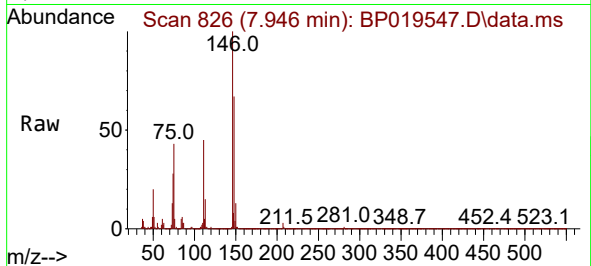




#13
1,4-Dichlorobenzene
Concen: 11.740 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

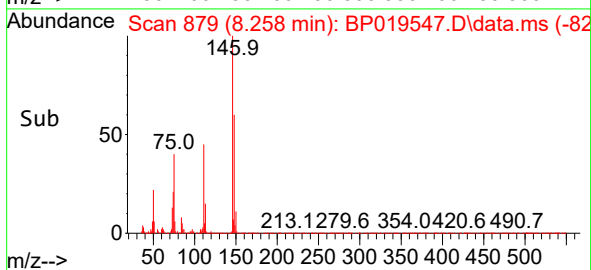
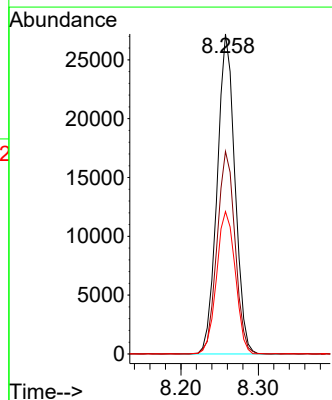
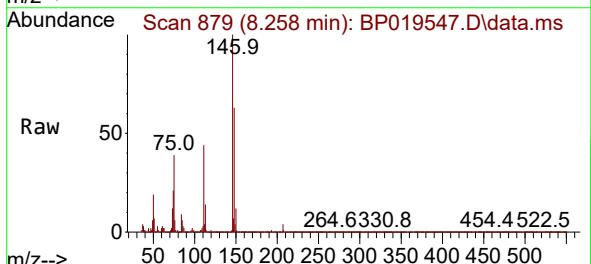
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

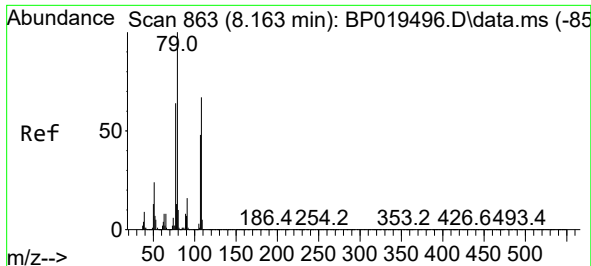
Tgt Ion:146 Resp: 45833
Ion Ratio Lower Upper
146 100
148 66.6 51.9 77.9
111 45.2 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 11.489 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:146 Resp: 43398
Ion Ratio Lower Upper
146 100
148 63.3 51.4 77.0
111 44.5 37.0 55.6

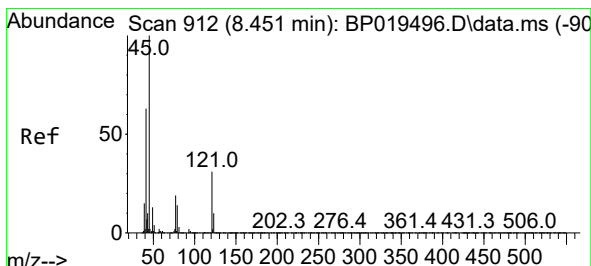
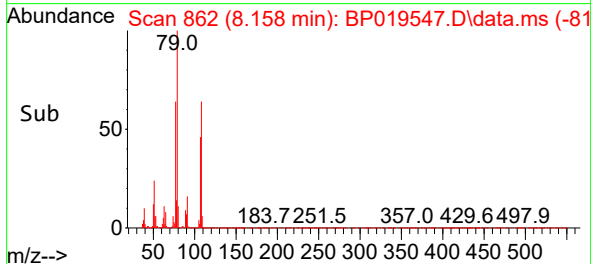
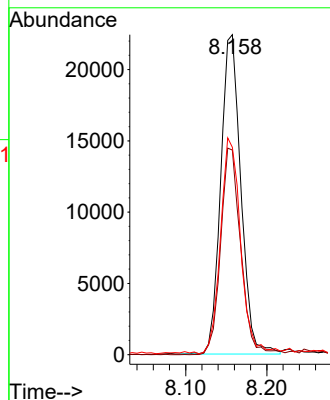
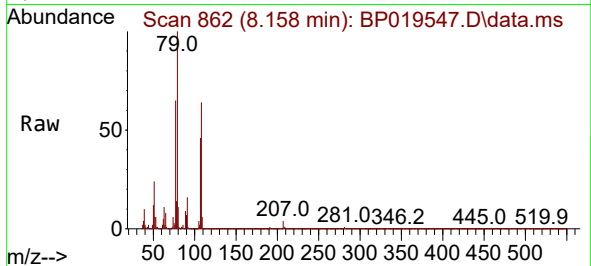




#15
Benzyl Alcohol
Concen: 11.688 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

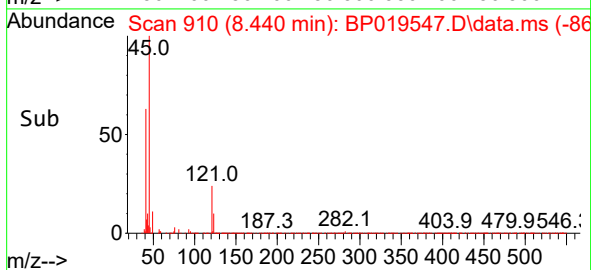
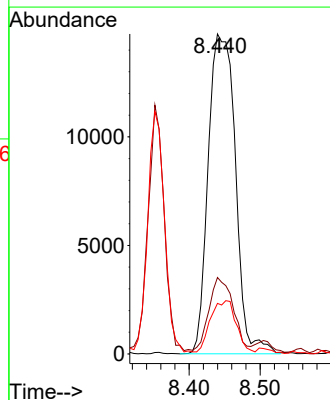
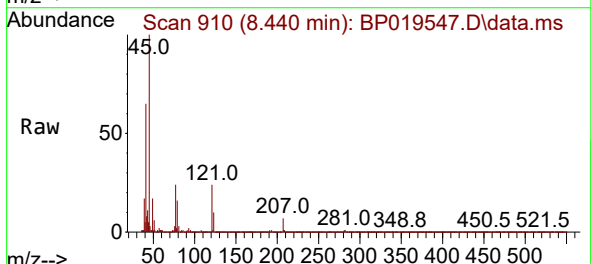
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

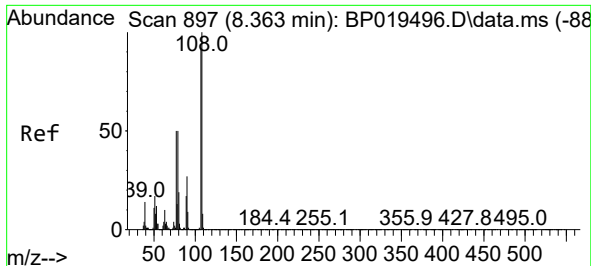
Tgt Ion: 79 Resp: 38622
Ion Ratio Lower Upper
79 100
108 64.0 53.8 80.6
77 64.8 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.213 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 45 Resp: 39167
Ion Ratio Lower Upper
45 100
77 23.9 0.8 40.8
79 15.8 0.0 35.5

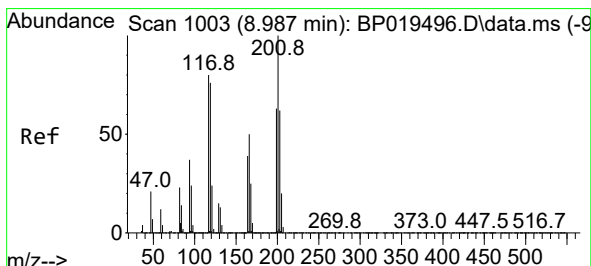
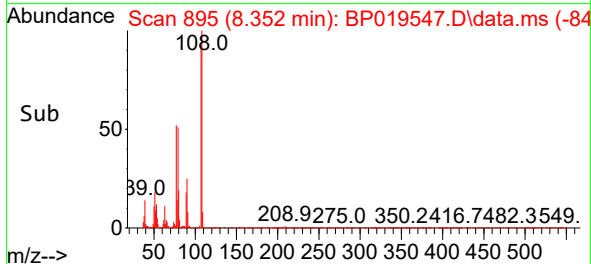
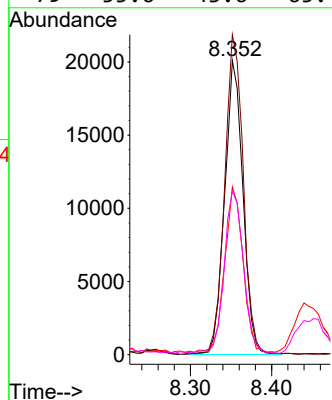
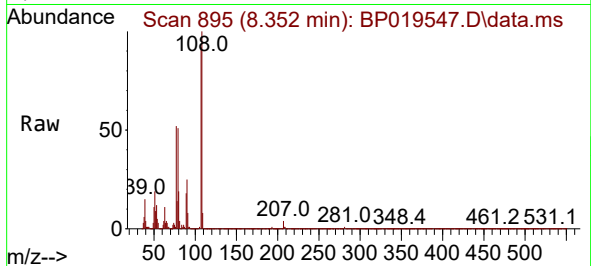




#17
2-Methylphenol
Concen: 11.362 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

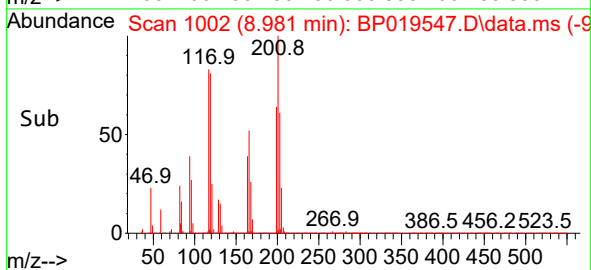
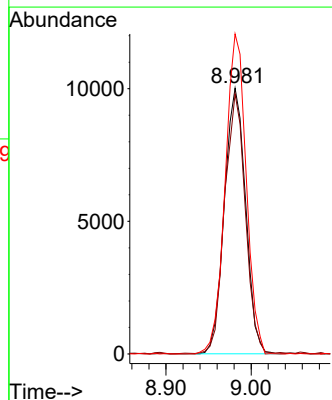
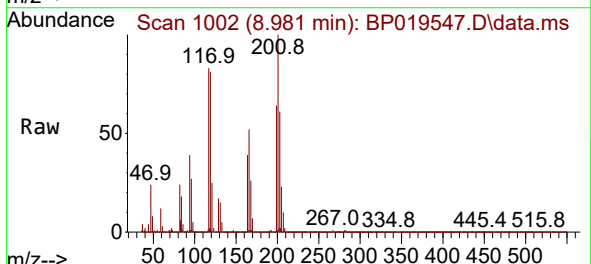
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

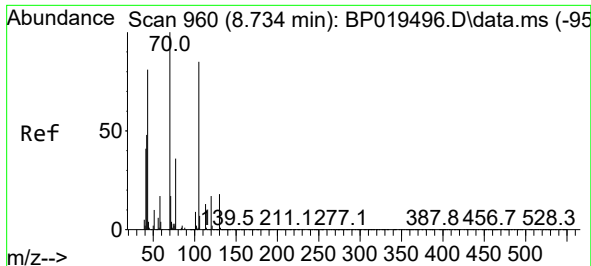
Tgt Ion:	107	Resp:	31532
Ion	Ratio	Lower	Upper
107	100		
108	108.9	87.0	130.6
77	57.1	43.5	65.3
79	55.6	43.6	65.4



#18
Hexachloroethane
Concen: 11.460 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:	117	Resp:	17341
Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.5	113.3
201	120.4	99.4	149.2

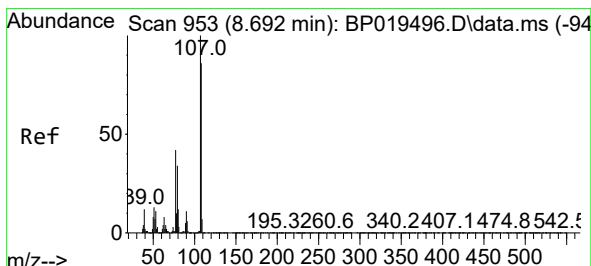
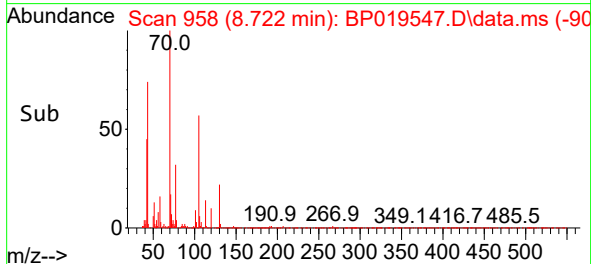
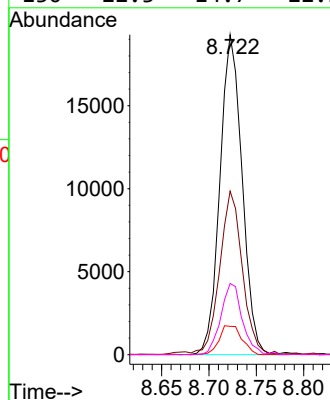
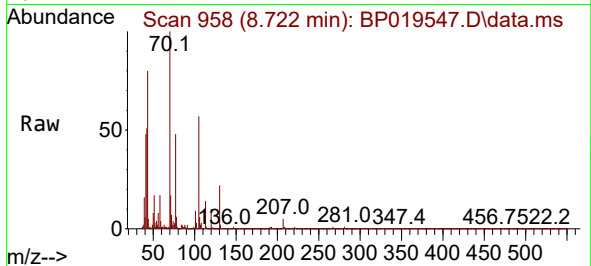




#19
n-Nitroso-di-n-propylamine
Concen: 11.128 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

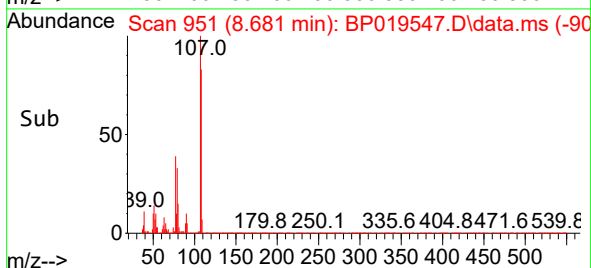
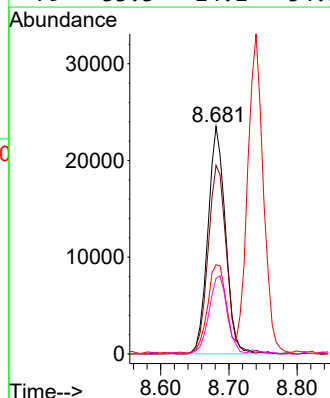
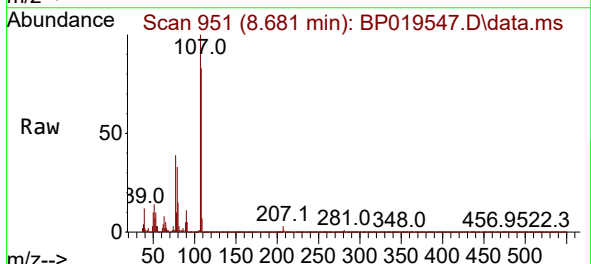
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

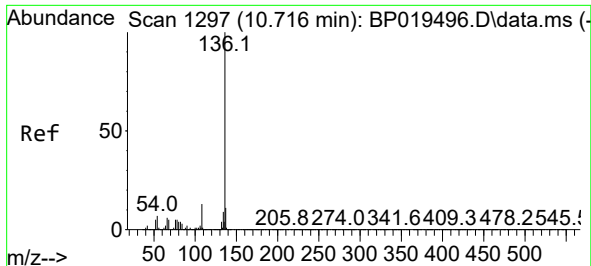
Tgt Ion: 70 Resp: 31435
Ion Ratio Lower Upper
70 100
42 51.1 39.2 58.8
101 8.9 7.3 10.9
130 22.3 14.7 22.1#



#20
3+4-Methylphenols
Concen: 11.166 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 107 Resp: 42289
Ion Ratio Lower Upper
107 100
108 82.9 65.5 105.5
77 39.2 21.8 61.8
79 33.3 14.1 54.1

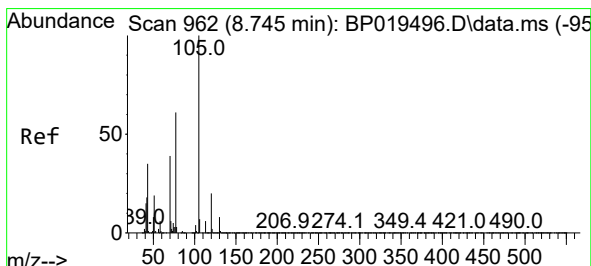
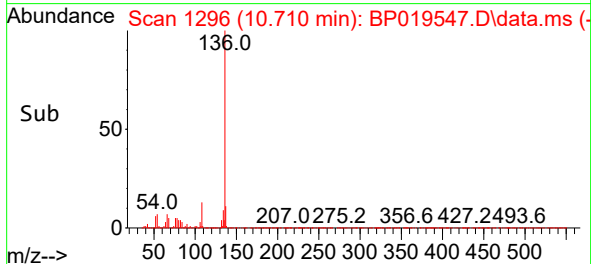
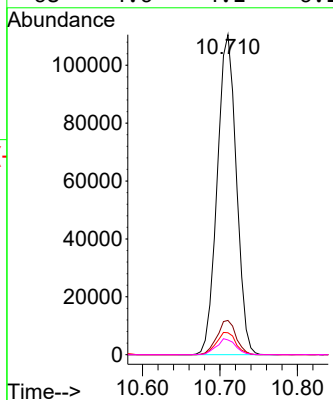
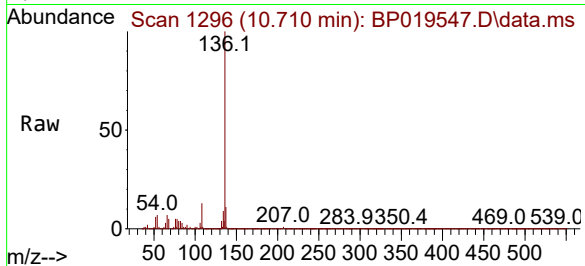




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

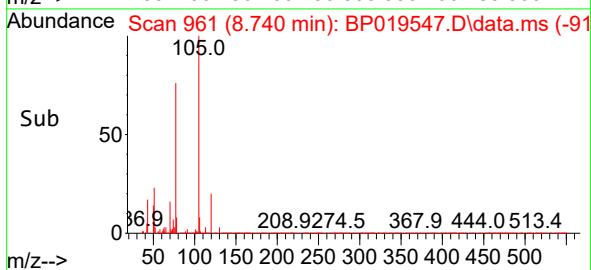
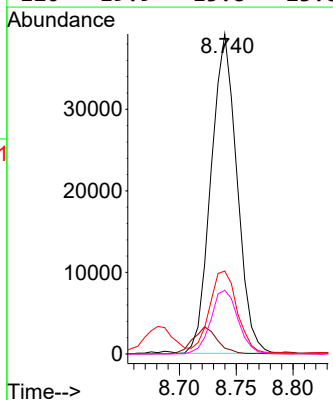
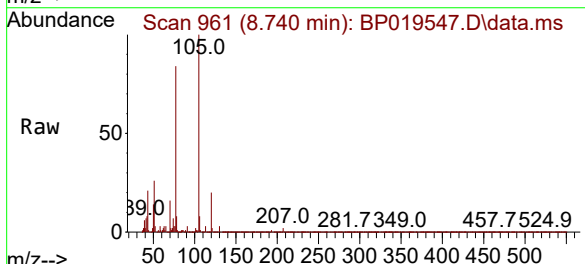
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

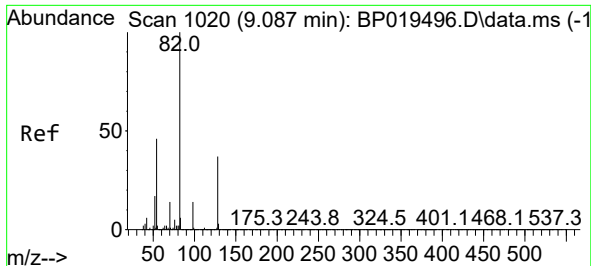
Tgt Ion:	136	Resp:	190080
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	6.8	5.3	7.9
68	4.6	4.1	6.1



#22
Acetophenone
Concen: 11.449 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:	105	Resp:	61998
Ion Ratio	Lower	Upper	
105	100		
71	1.8	4.9	7.3
51	25.9	20.7	31.1
120	19.9	15.8	23.8

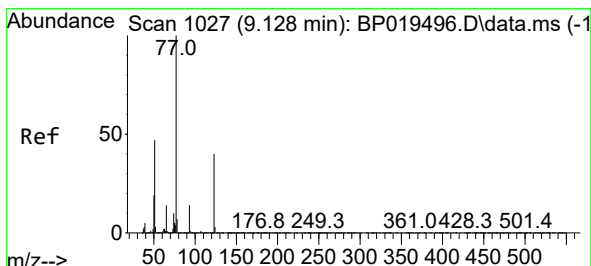
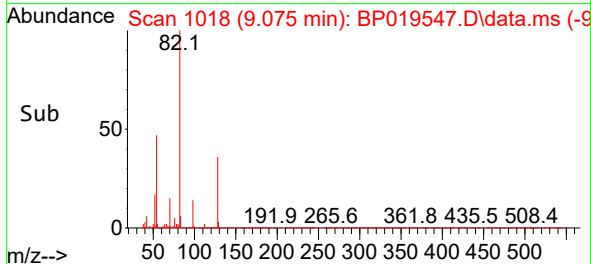
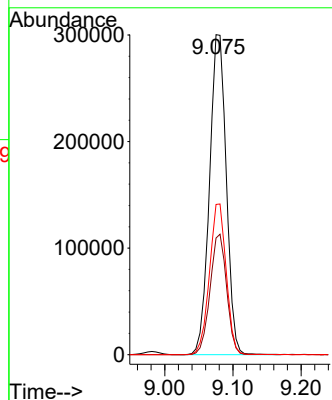
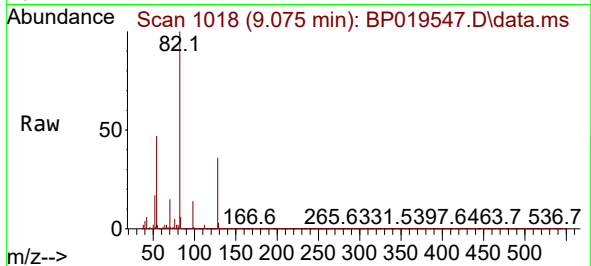




#23
Nitrobenzene-d5
Concen: 117.271 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

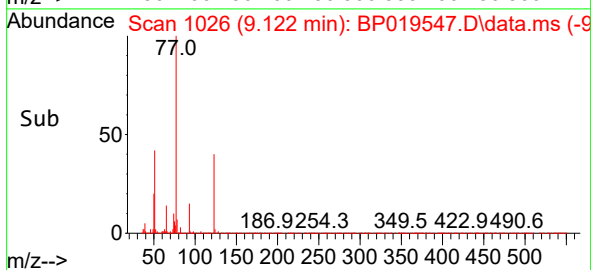
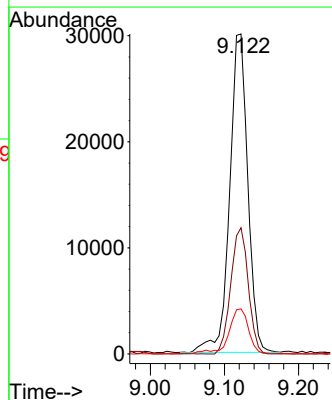
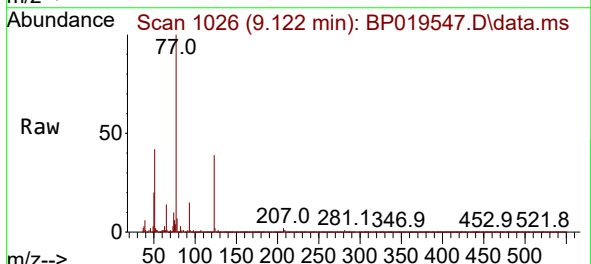
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

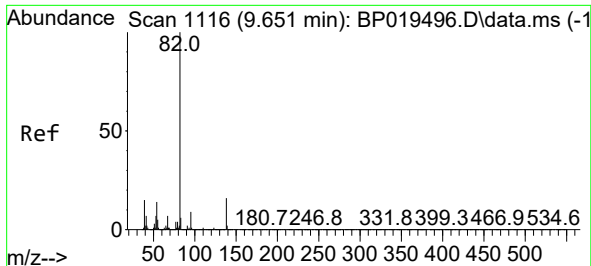
Tgt Ion: 82 Resp: 514427
Ion Ratio Lower Upper
82 100
128 36.5 29.7 44.5
54 47.0 36.8 55.2



#24
Nitrobenzene
Concen: 11.546 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 77 Resp: 50996
Ion Ratio Lower Upper
77 100
123 39.5 32.3 48.5
65 14.1 11.6 17.4

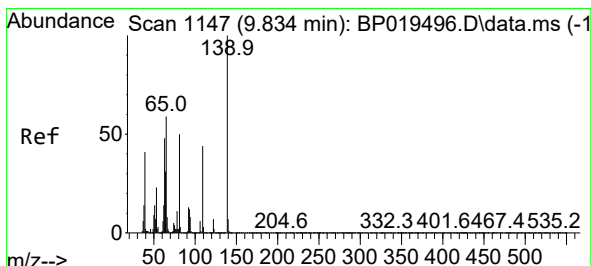
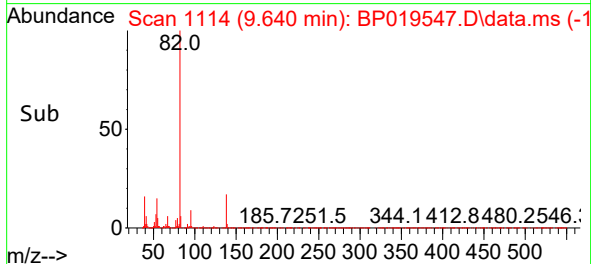
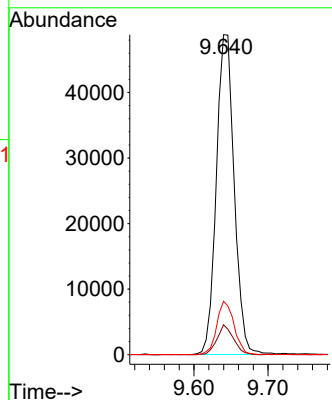
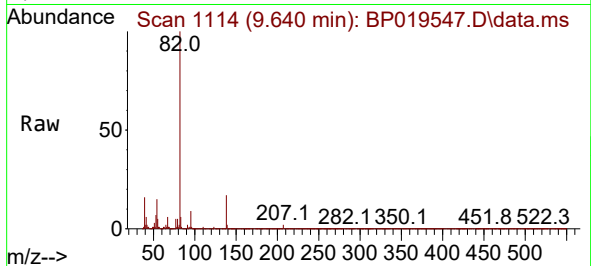




#25
Isophorone
Concen: 10.729 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

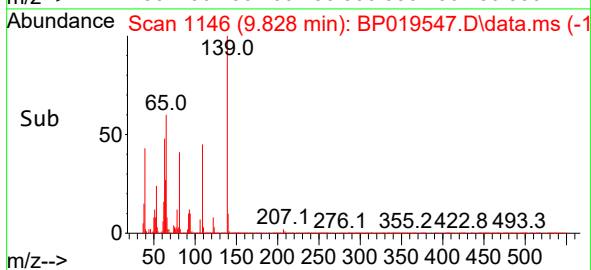
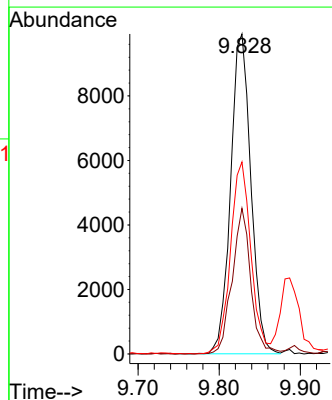
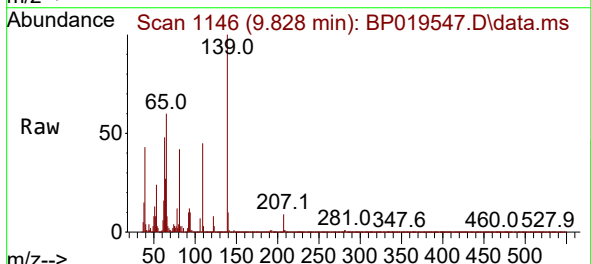
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

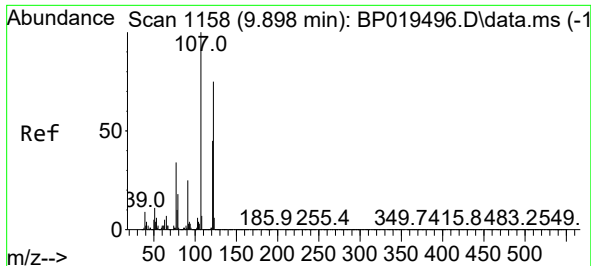
Tgt Ion: 82 Resp: 81964
Ion Ratio Lower Upper
82 100
95 9.4 7.0 10.4
138 16.7 13.1 19.7



#26
2-Nitrophenol
Concen: 10.195 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 139 Resp: 17169
Ion Ratio Lower Upper
139 100
109 45.5 34.9 52.3
65 60.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 12.928 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

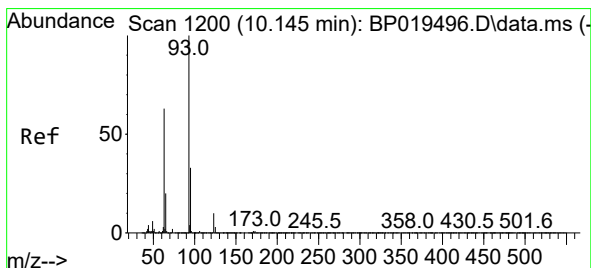
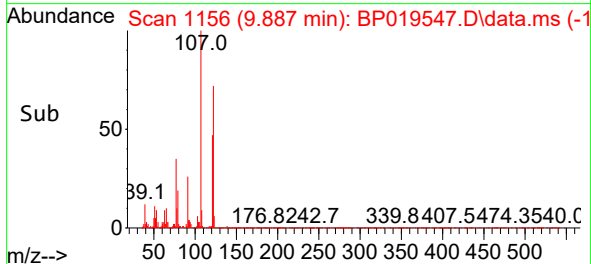
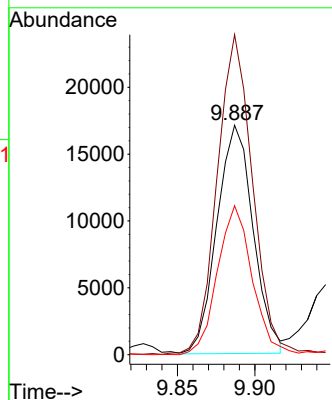
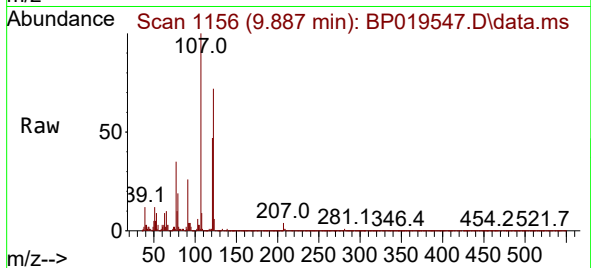
Tgt Ion:122 Resp: 27839

Ion Ratio Lower Upper

122 100

107 139.4 105.9 158.9

121 64.9 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 11.223 ng

RT: 10.134 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

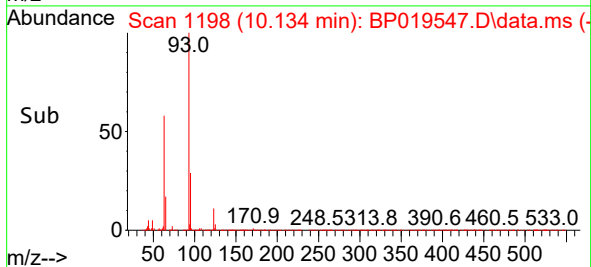
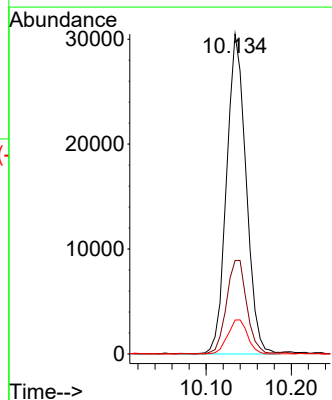
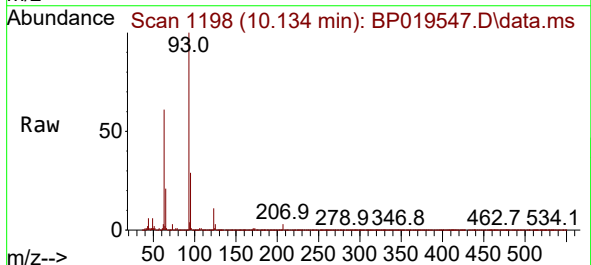
Tgt Ion: 93 Resp: 48511

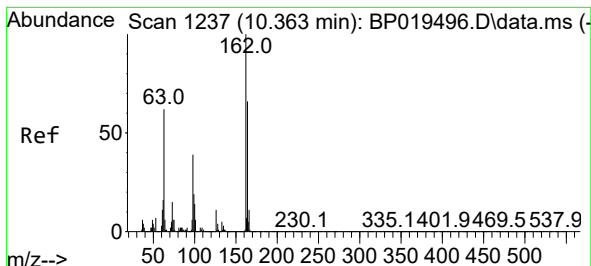
Ion Ratio Lower Upper

93 100

95 29.2 26.2 39.4

123 10.6 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 10.883 ng

RT: 10.357 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

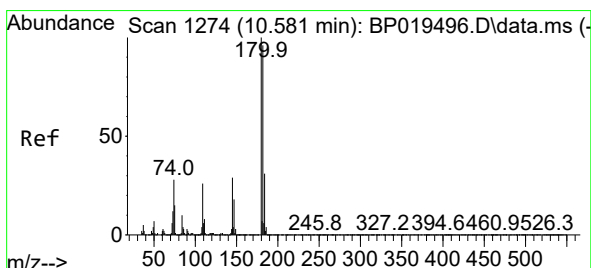
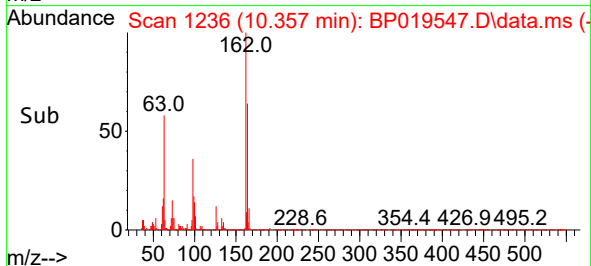
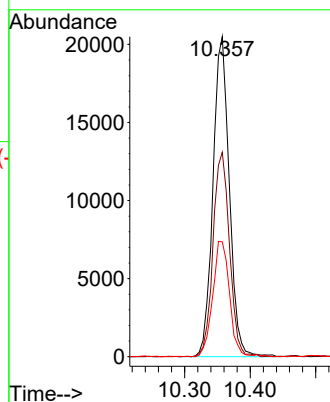
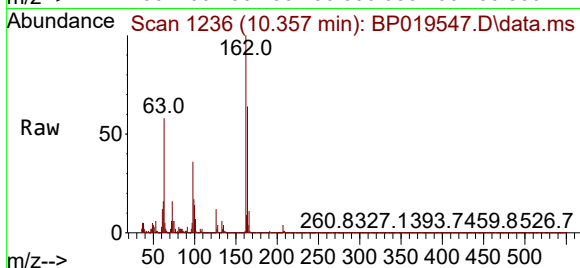
Tgt Ion:162 Resp: 35426

Ion Ratio Lower Upper

162 100

164 63.9 46.0 86.0

98 35.9 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 11.238 ng

RT: 10.575 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

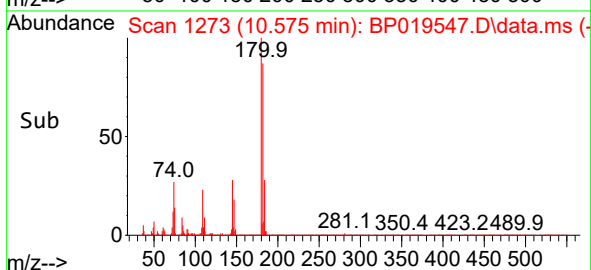
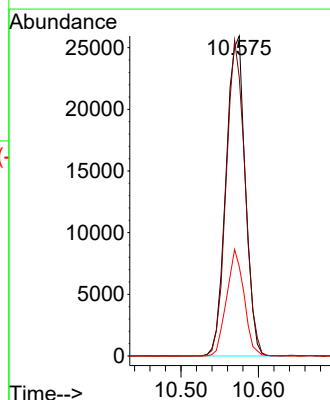
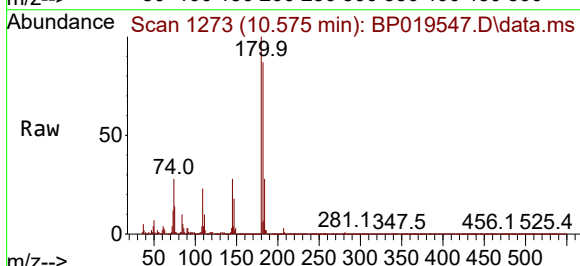
Tgt Ion:180 Resp: 44853

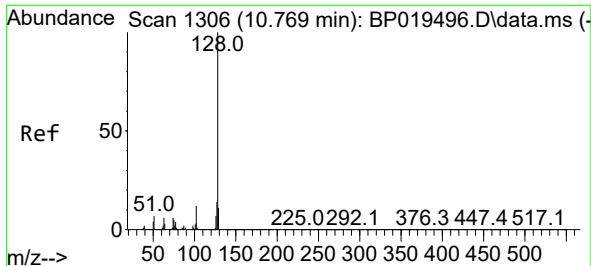
Ion Ratio Lower Upper

180 100

182 87.1 77.0 115.6

145 27.9 23.2 34.8

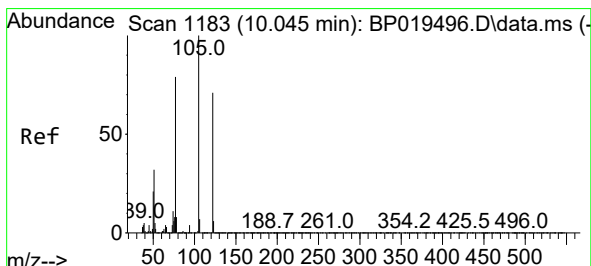
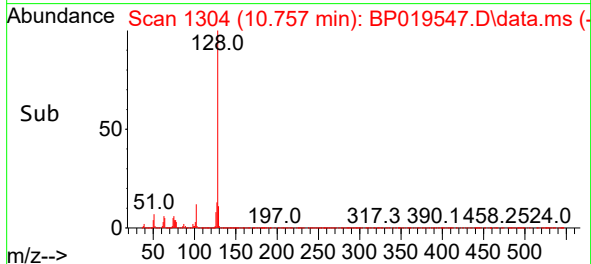
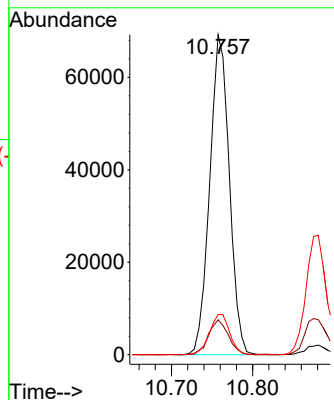
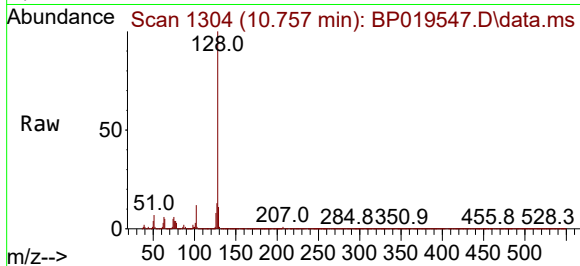




#31
Naphthalene
Concen: 11.135 ng
RT: 10.757 min Scan# 1167
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

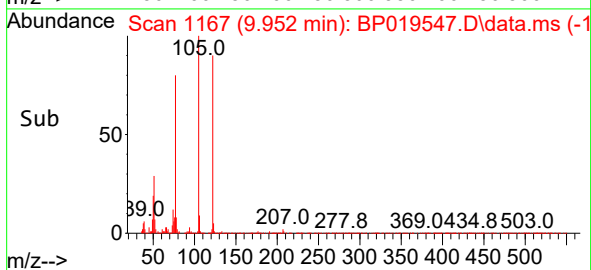
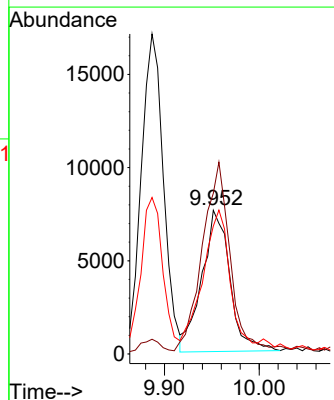
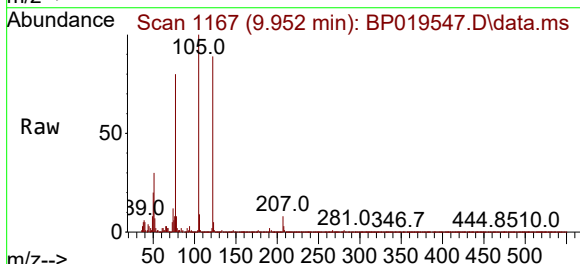
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

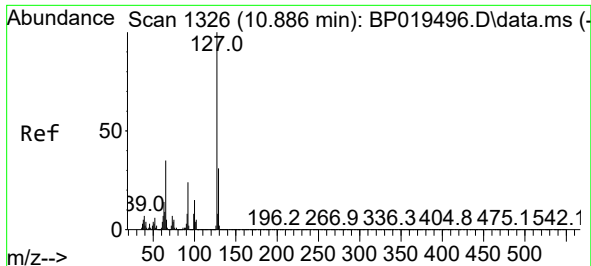
Tgt Ion:128 Resp: 116086
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 7.423 ng
RT: 9.952 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:122 Resp: 15574
Ion Ratio Lower Upper
122 100
105 111.8 118.8 158.8#
77 89.0 91.7 131.7#

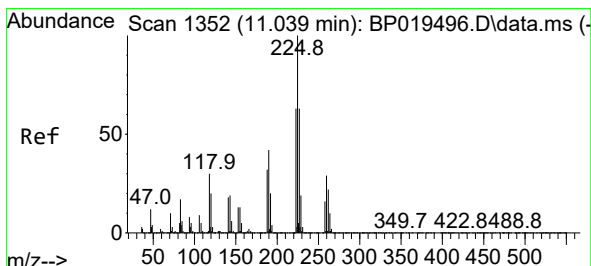
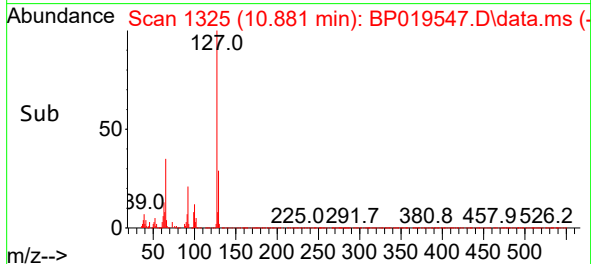
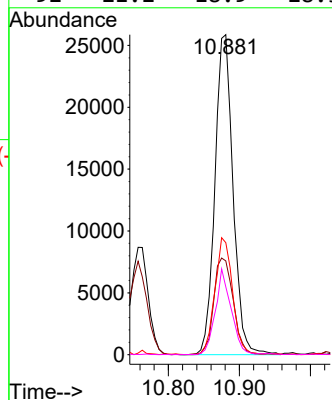
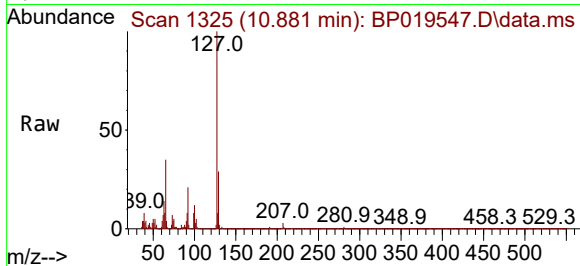




#33
4-Chloroaniline
Concen: 11.884 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

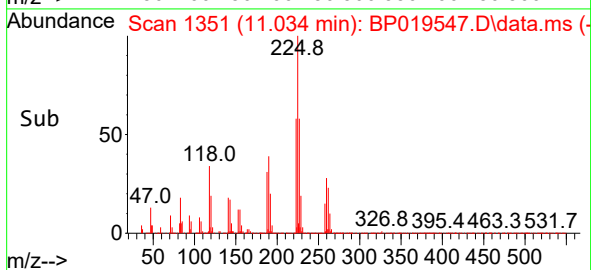
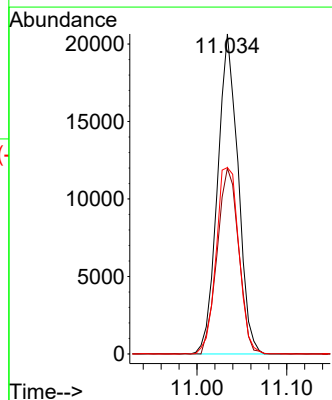
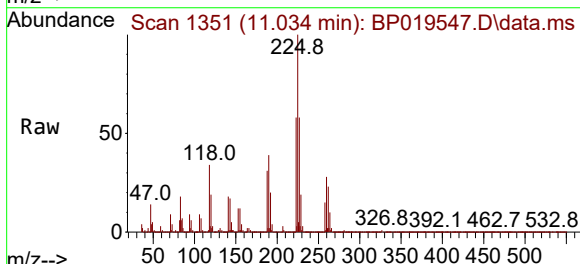
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

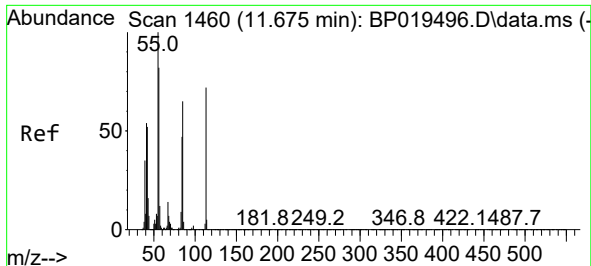
Tgt Ion:	127	Resp:	45818
Ion	Ratio	Lower	Upper
127	100		
129	29.3	24.6	36.8
65	35.0	28.2	42.4
92	21.2	18.9	28.3



#34
Hexachlorobutadiene
Concen: 11.101 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:	225	Resp:	32833
Ion	Ratio	Lower	Upper
225	100		
223	58.1	50.5	75.7
227	58.2	50.2	75.2

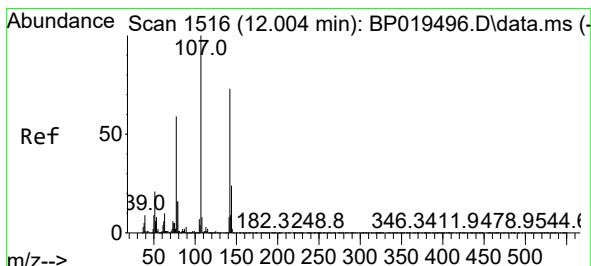
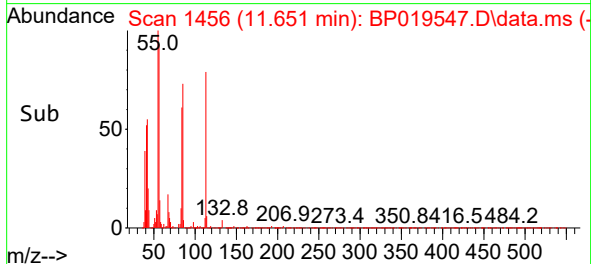
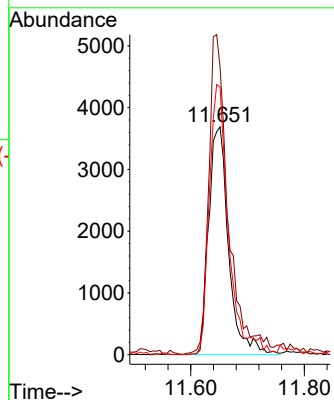
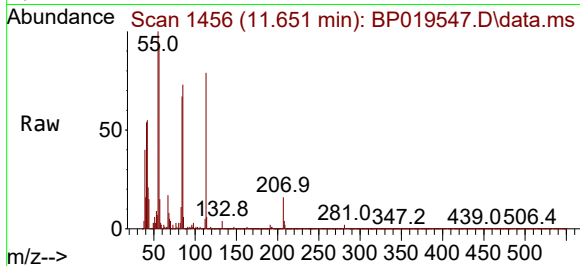




#35
Caprolactam
Concen: 9.727 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

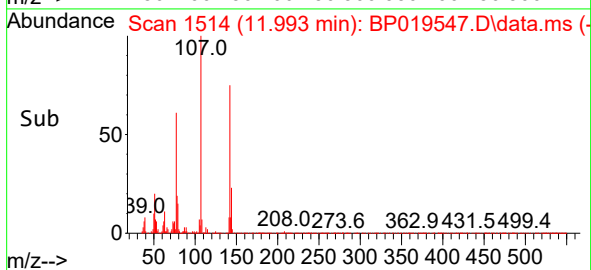
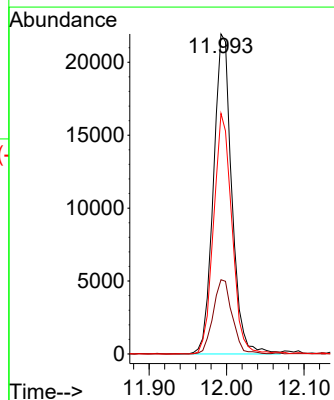
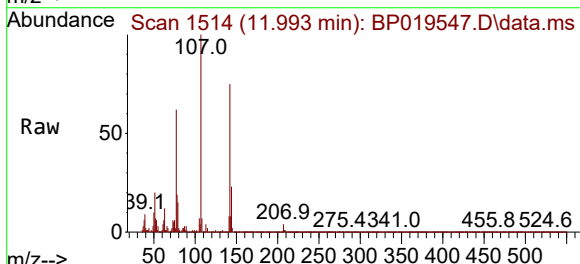
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

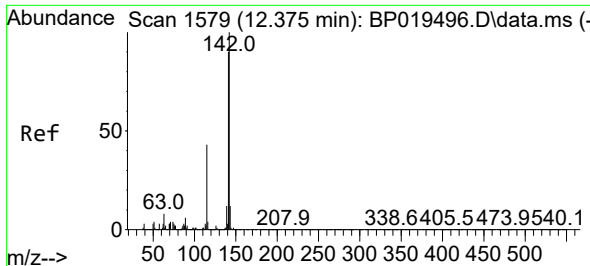
Tgt Ion	113	Resp	8964
Ion	Ratio	Lower	Upper
113	100		
55	126.2	120.0	160.0
56	117.4	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 10.161 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion	107	Resp	36067
Ion	Ratio	Lower	Upper
107	100		
144	23.2	19.0	28.4
142	75.2	58.6	88.0

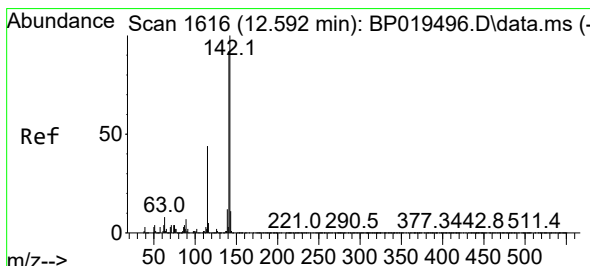
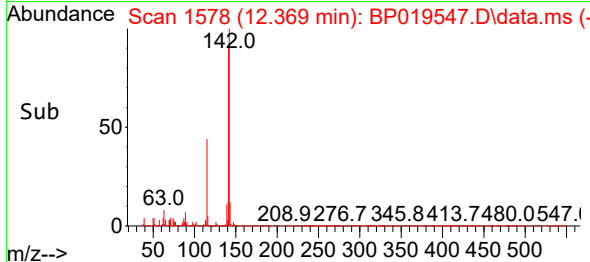
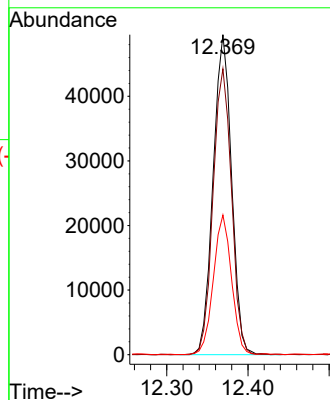
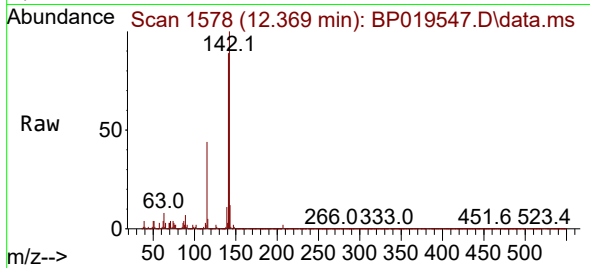




#37
2-Methylnaphthalene
Concen: 10.838 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

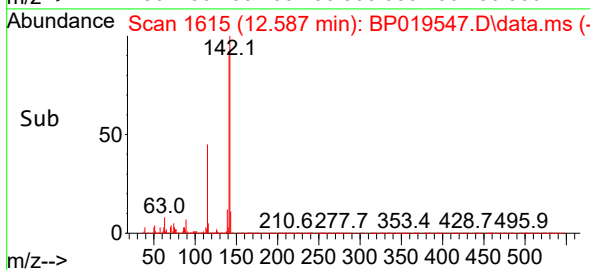
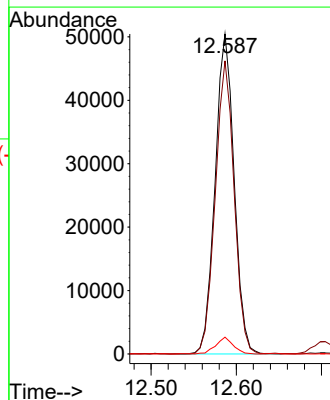
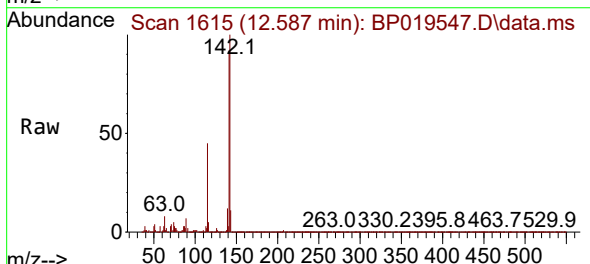
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

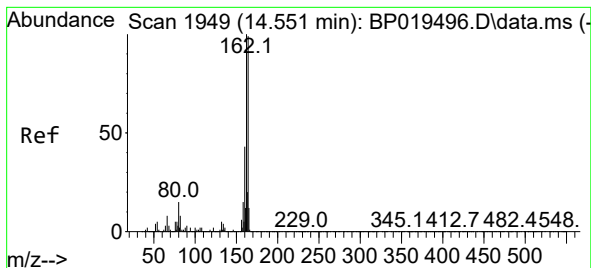
Tgt Ion:142 Resp: 78192
Ion Ratio Lower Upper
142 100
141 89.4 72.2 108.4
115 43.6 34.2 51.2



#38
1-Methylnaphthalene
Concen: 11.045 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:142 Resp: 78309
Ion Ratio Lower Upper
142 100
141 91.6 74.0 111.0
116 5.3 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: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

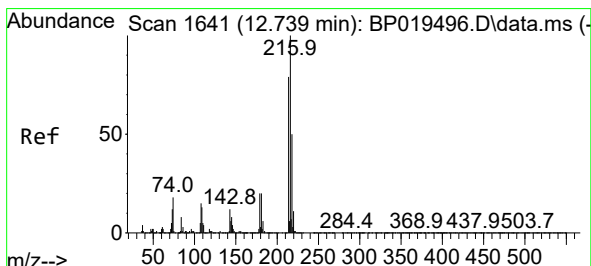
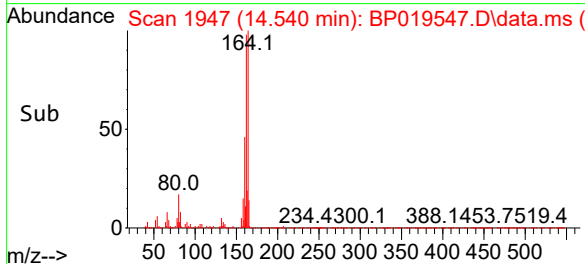
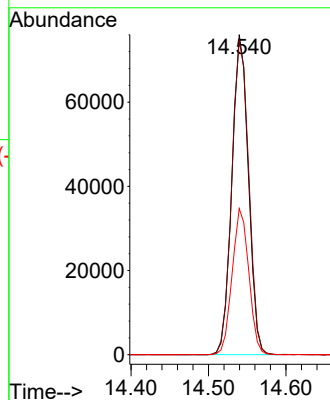
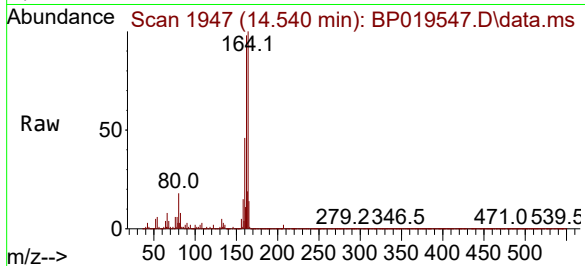
Tgt Ion:164 Resp: 112878

Ion Ratio Lower Upper

164 100

162 98.1 81.2 121.8

160 45.7 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 12.393 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:216 Resp: 53949

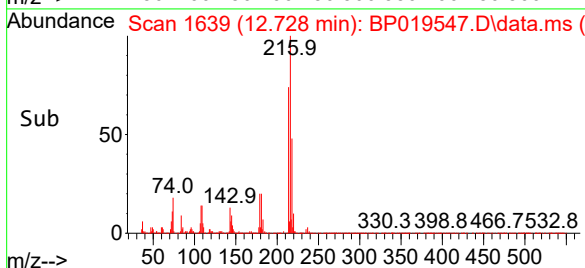
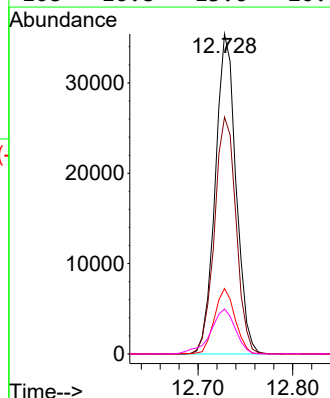
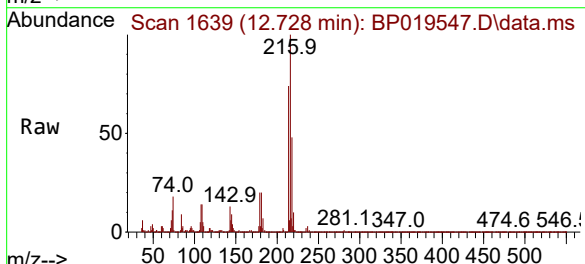
Ion Ratio Lower Upper

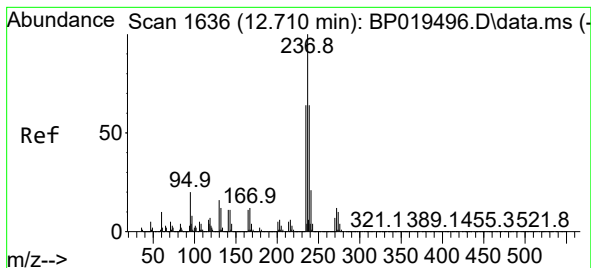
216 100

214 76.9 62.8 94.2

179 20.4 16.6 24.8

108 16.8 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 15.585 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

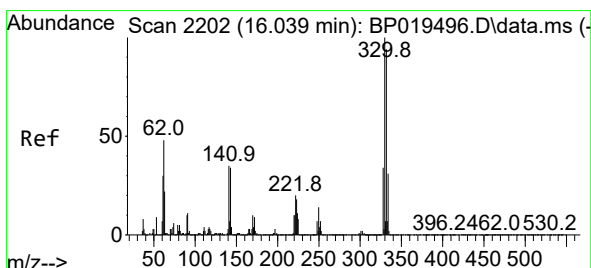
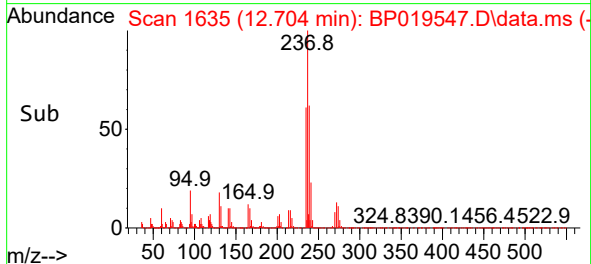
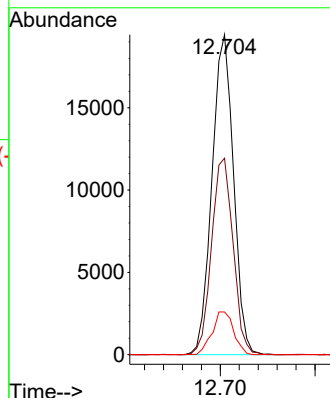
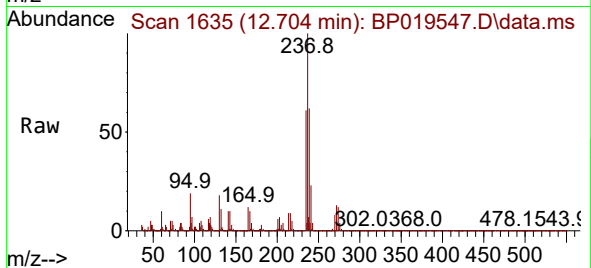
Tgt Ion:237 Resp: 30650

Ion Ratio Lower Upper

237 100

235 61.4 43.7 83.7

272 13.4 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 206.891 ng

RT: 16.034 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

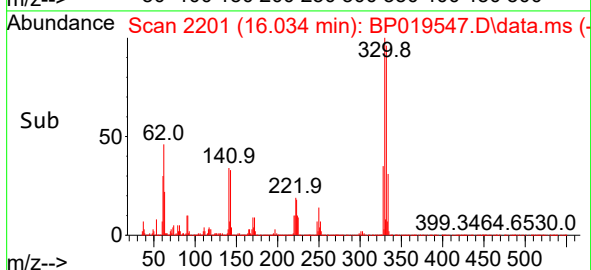
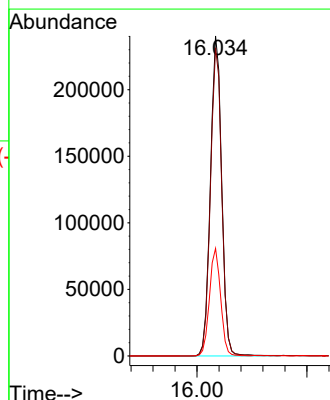
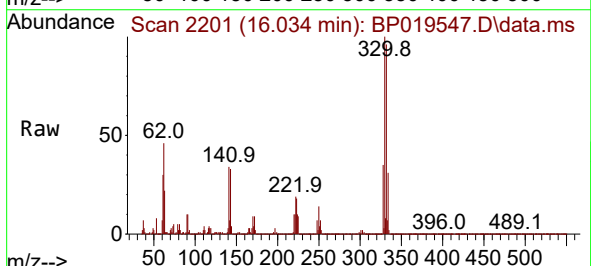
Tgt Ion:330 Resp: 340977

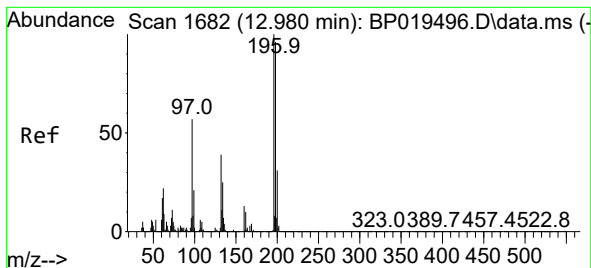
Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

141 33.3 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 11.194 ng

RT: 12.975 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

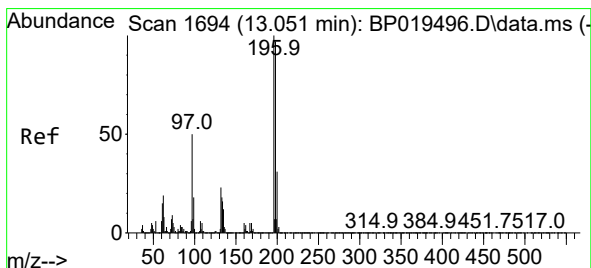
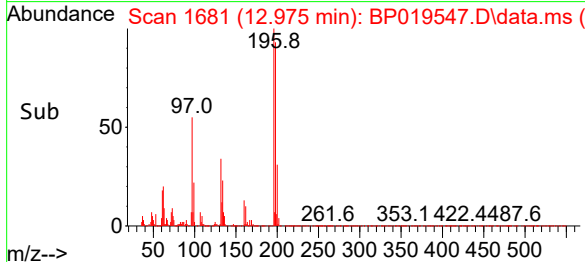
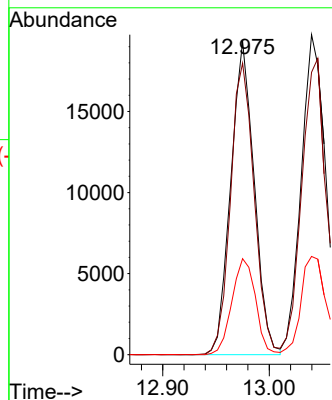
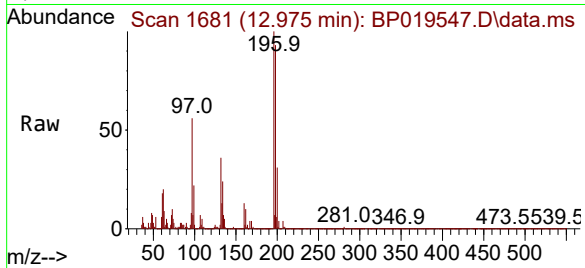
Tgt Ion:196 Resp: 29508

Ion Ratio Lower Upper

196 100

198 93.0 76.7 115.1

200 30.6 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 11.024 ng

RT: 13.040 min Scan# 1692

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:196 Resp: 31911

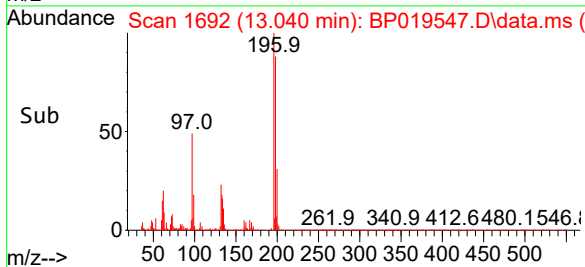
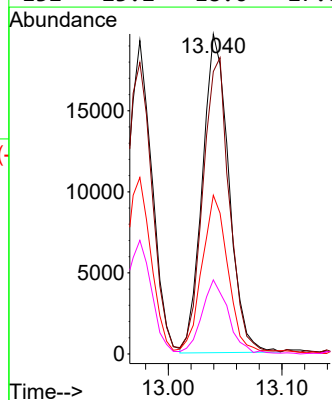
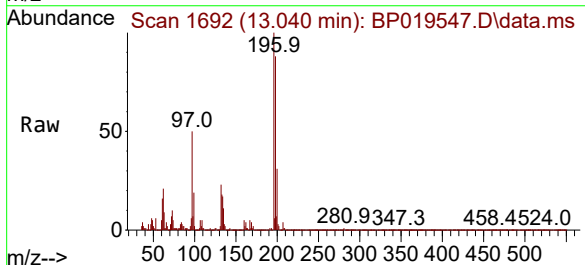
Ion Ratio Lower Upper

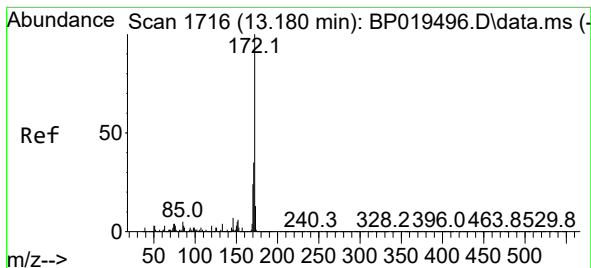
196 100

198 88.2 77.5 116.3

97 49.6 39.9 59.9

132 23.2 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 122.740 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

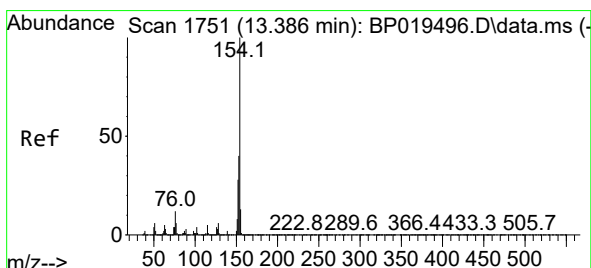
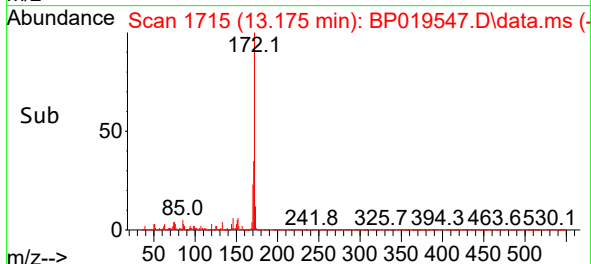
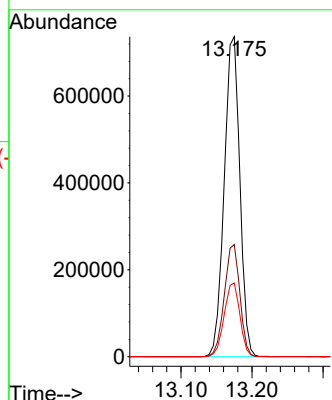
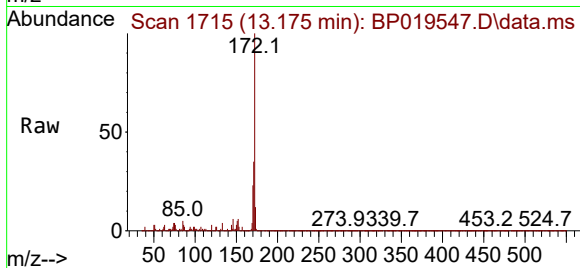
Tgt Ion:172 Resp: 1120723

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.1 18.9 28.3



#46

1,1'-Biphenyl

Concen: 12.002 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

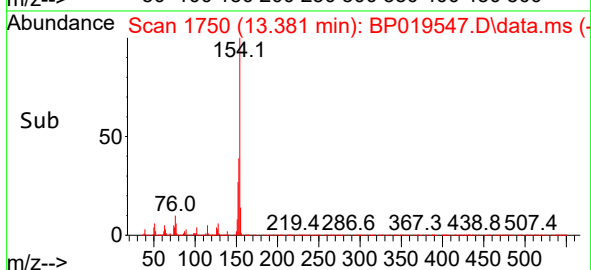
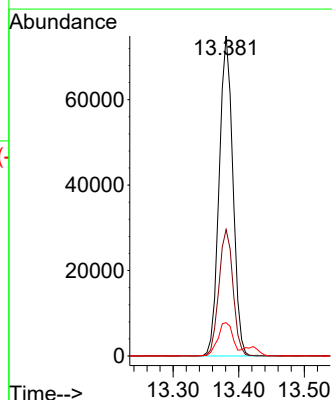
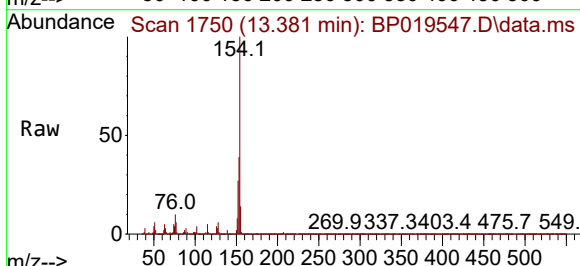
Tgt Ion:154 Resp: 108131

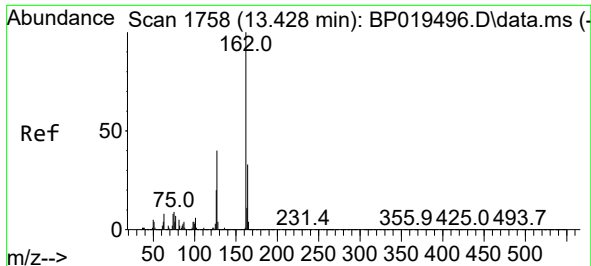
Ion Ratio Lower Upper

154 100

153 39.5 20.2 60.2

76 10.4 0.0 31.6

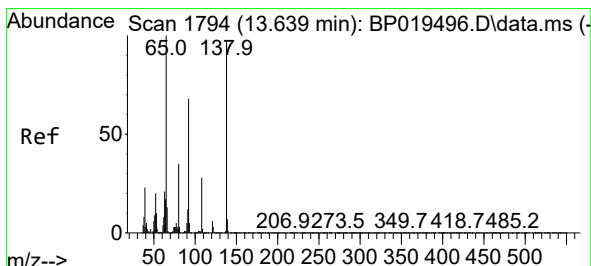
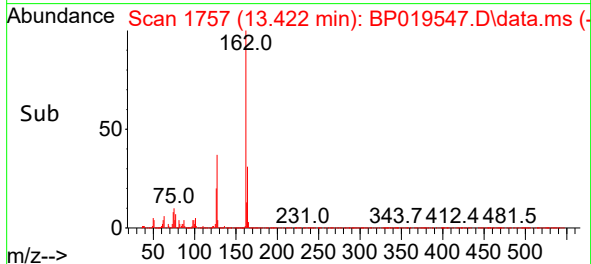
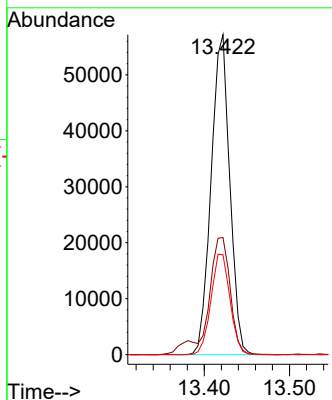
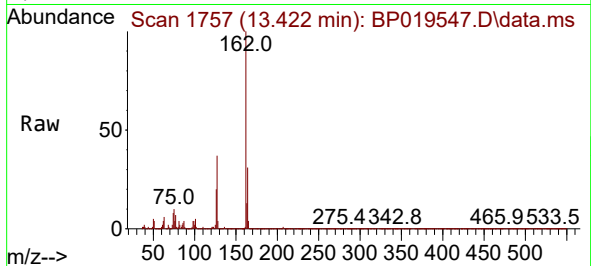




#47
2-Chloronaphthalene
Concen: 11.767 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

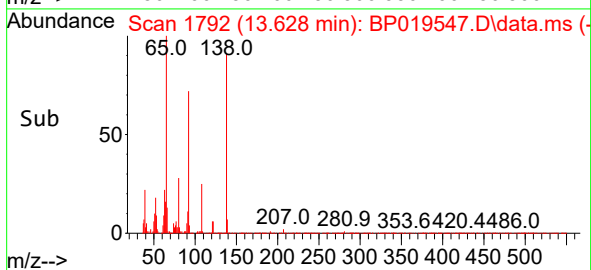
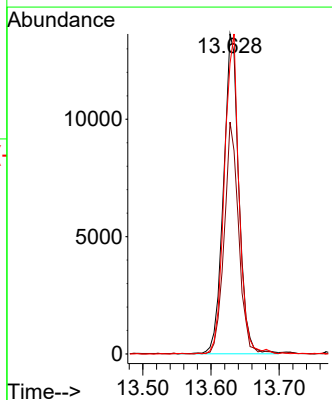
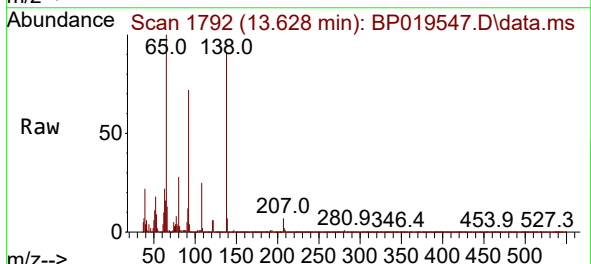
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

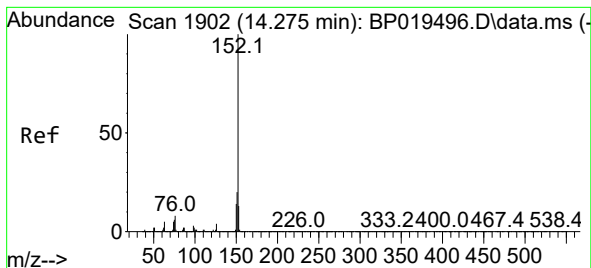
Tgt Ion:162 Resp: 87021
Ion Ratio Lower Upper
162 100
127 36.6 32.1 48.1
164 31.3 26.7 40.1



#48
2-Nitroaniline
Concen: 10.334 ng
RT: 13.628 min Scan# 1792
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 65 Resp: 21370
Ion Ratio Lower Upper
65 100
92 72.4 54.7 82.1
138 90.8 77.8 116.6





#49

Acenaphthylene

Concen: 12.331 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

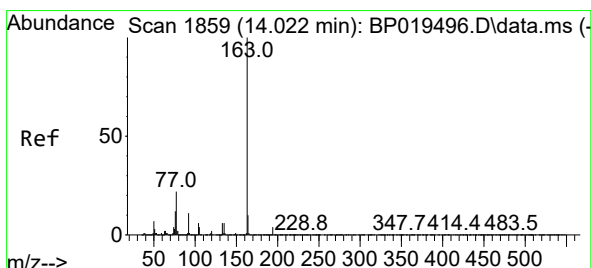
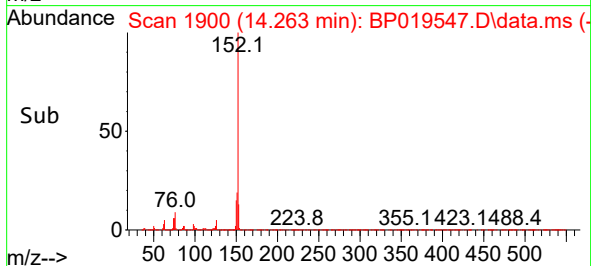
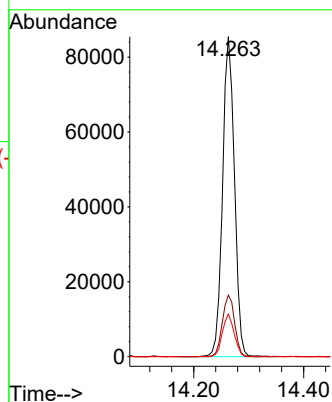
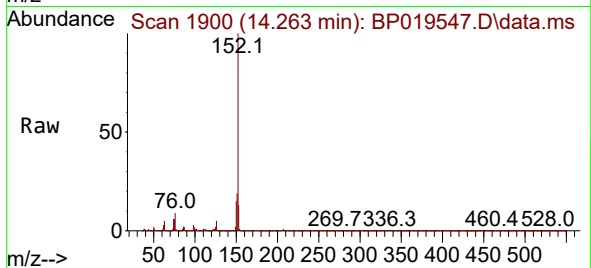
Tgt Ion:152 Resp: 127945

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.6

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 11.226 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

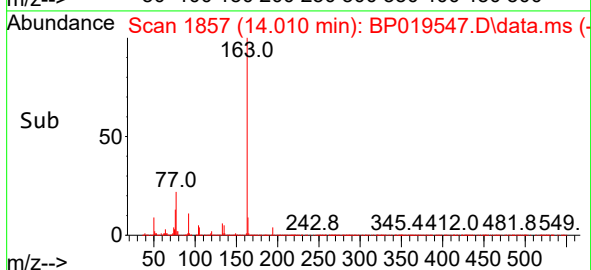
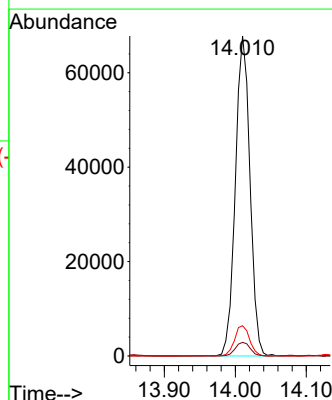
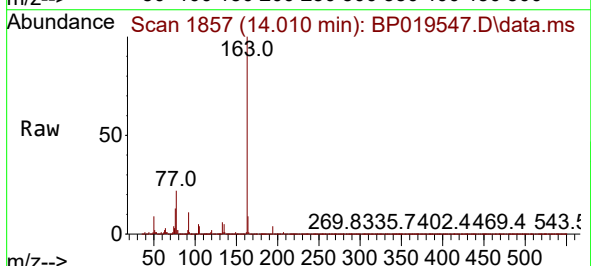
Tgt Ion:163 Resp: 97003

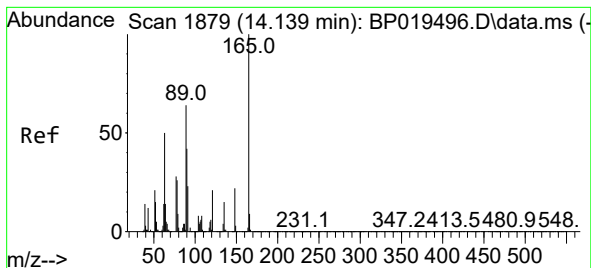
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 9.5 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 10.115 ng

RT: 14.134 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

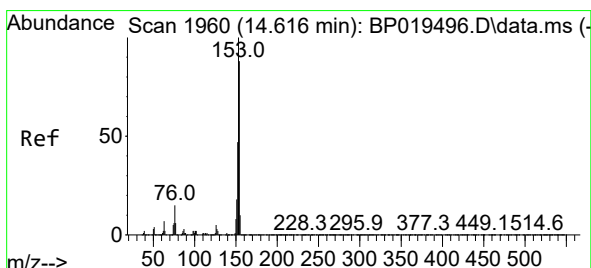
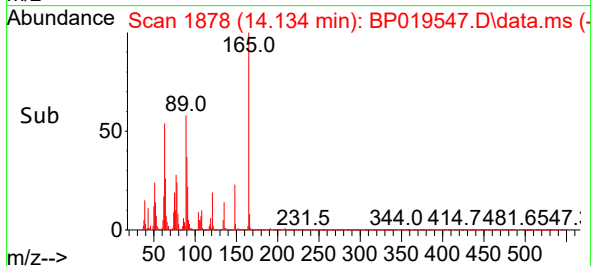
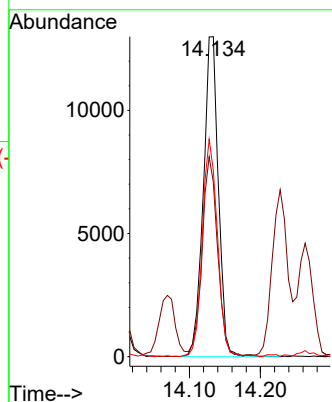
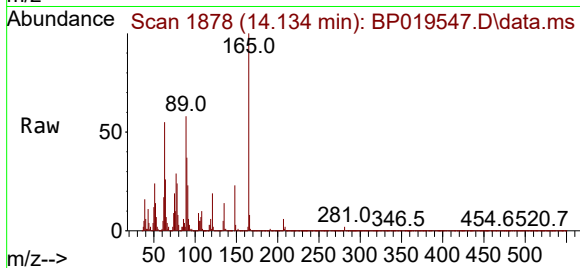
Tgt Ion:165 Resp: 19203

Ion Ratio Lower Upper

165 100

63 54.5 50.4 75.6

89 58.1 51.7 77.5



#52

Acenaphthene

Concen: 11.473 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

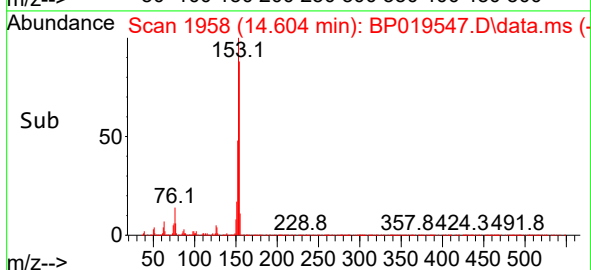
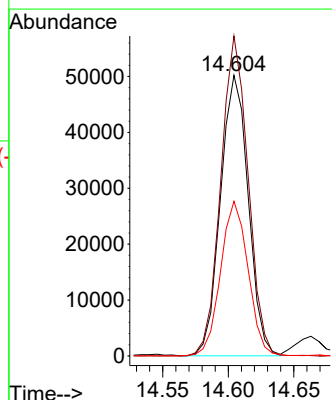
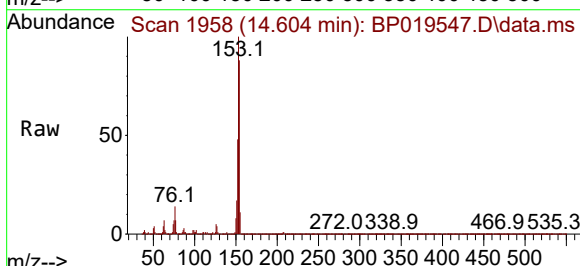
Tgt Ion:154 Resp: 73882

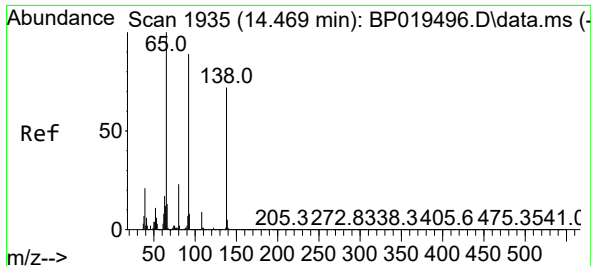
Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

152 55.1 42.1 63.1

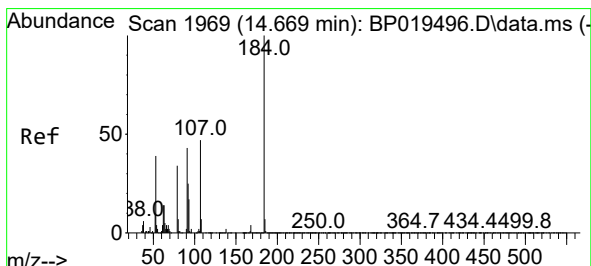
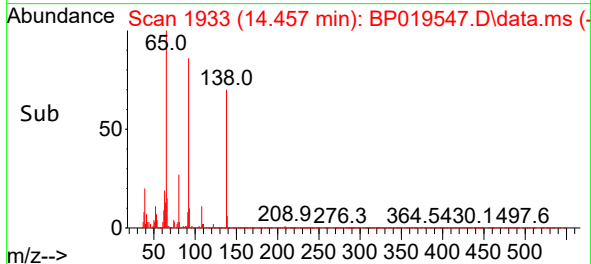
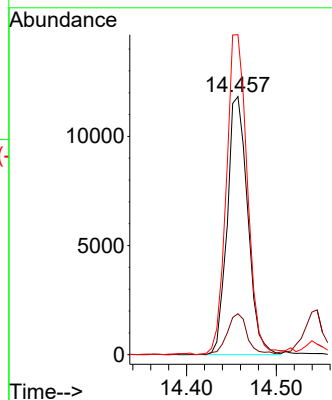
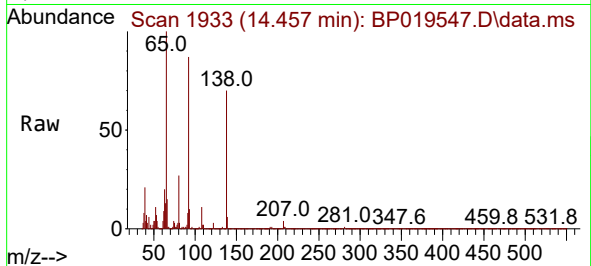




#53
3-Nitroaniline
Concen: 10.742 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

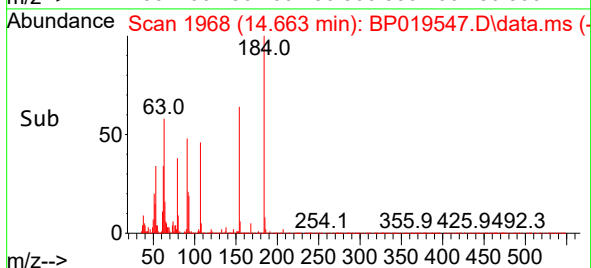
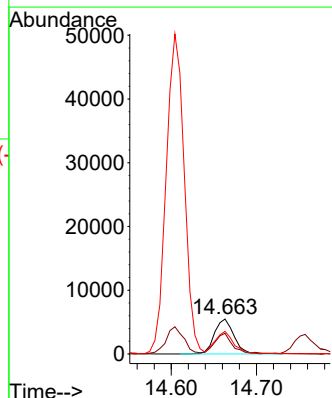
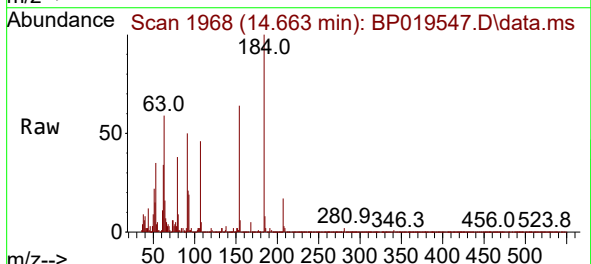
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

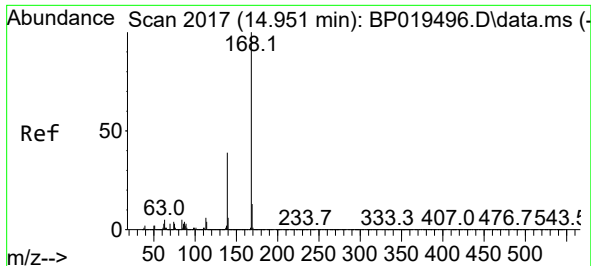
Tgt Ion:138 Resp: 18742
Ion Ratio Lower Upper
138 100
108 15.9 9.7 14.5#
92 124.0 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 8.896 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:184 Resp: 8769
Ion Ratio Lower Upper
184 100
63 58.9 50.5 75.7
154 64.5 53.4 80.0

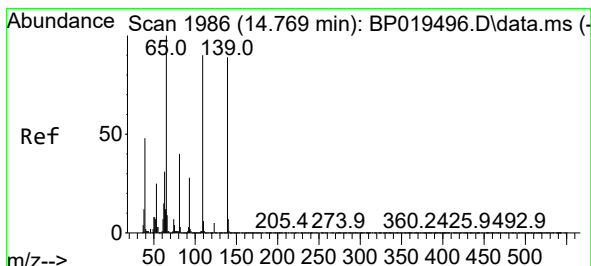
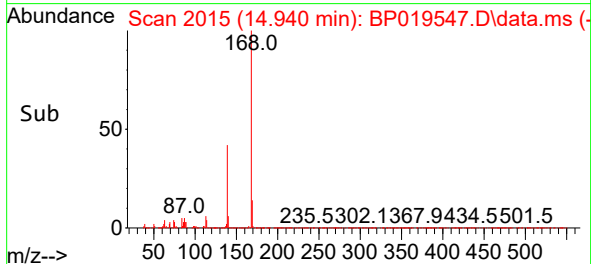
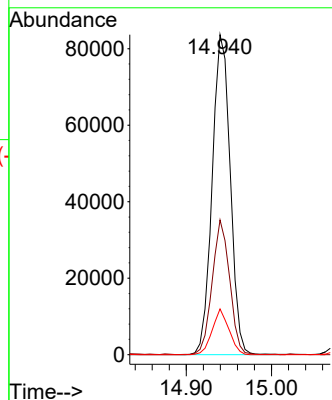
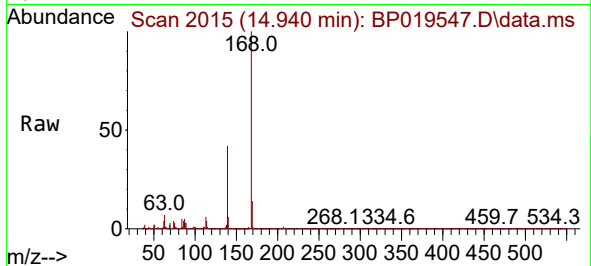




#55
Dibenzenofuran
Concen: 11.750 ng
RT: 14.940 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

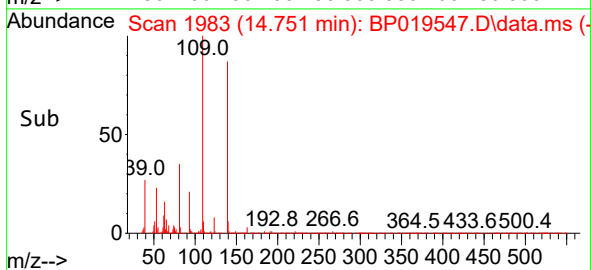
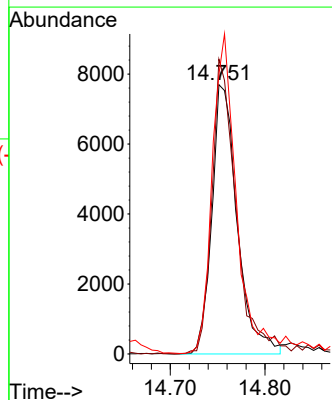
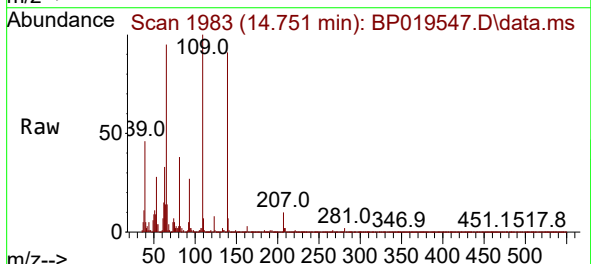
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

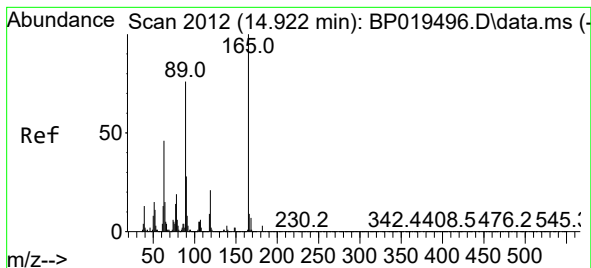
Tgt Ion:168 Resp: 123242
Ion Ratio Lower Upper
168 100
139 42.1 31.5 47.3
169 14.3 10.3 15.5



#56
4-Nitrophenol
Concen: 10.035 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.017 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:139 Resp: 14350
Ion Ratio Lower Upper
139 100
109 109.4 82.0 122.0
65 103.9 92.9 132.9

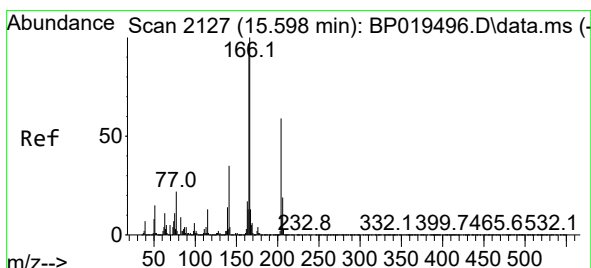
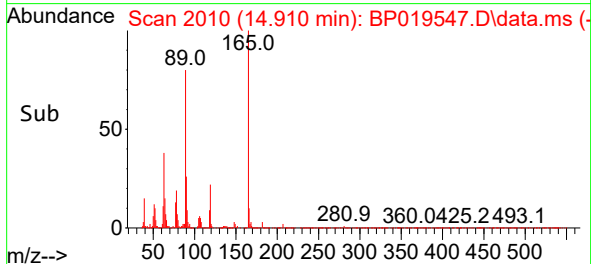
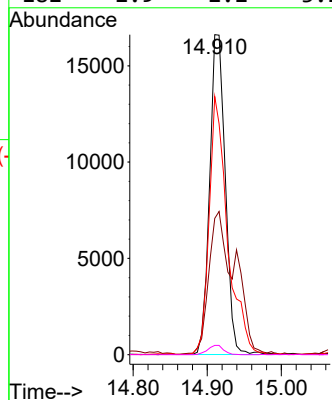
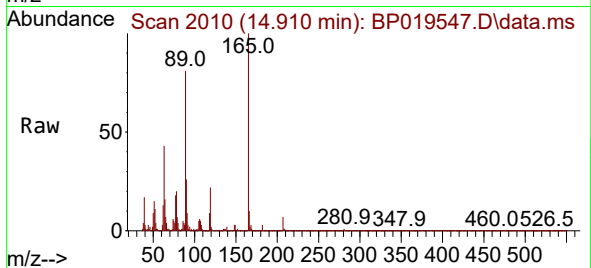




#57
2,4-Dinitrotoluene
Concen: 9.824 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

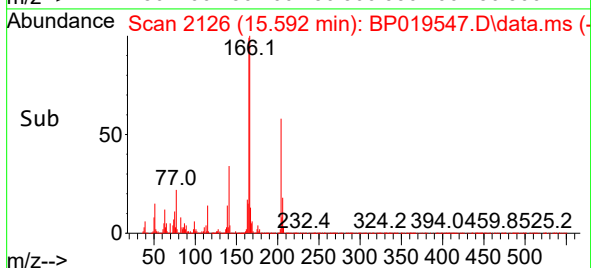
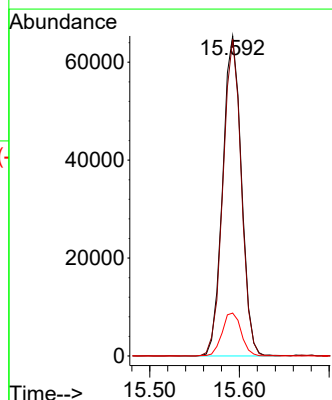
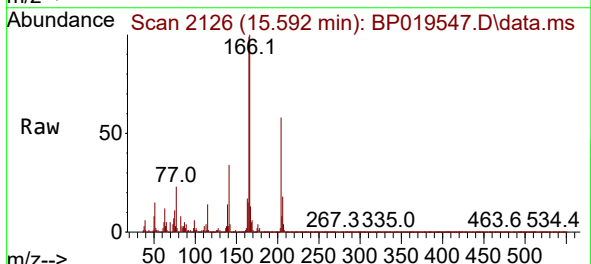
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

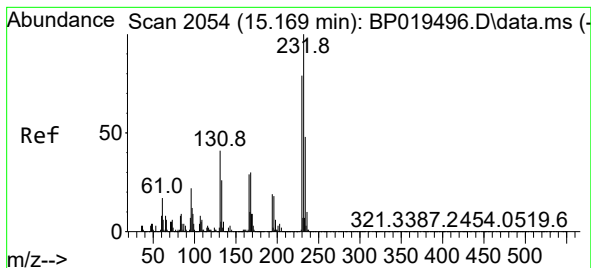
Tgt Ion:	165	Resp:	24442
Ion	Ratio	Lower	Upper
165	100		
63	42.6	36.9	55.3
89	80.7	61.1	91.7
182	2.9	2.2	3.2



#58
Fluorene
Concen: 11.319 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:	166	Resp:	94559
Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.8
167	13.4	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.736 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:232 Resp: 26138

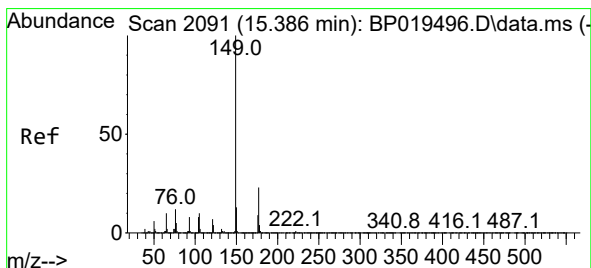
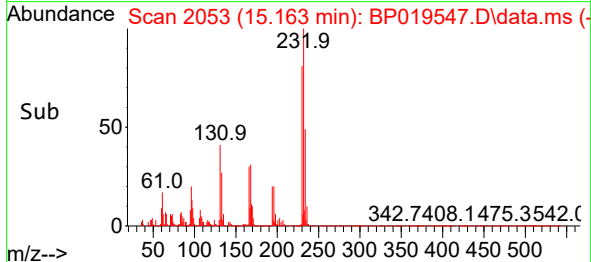
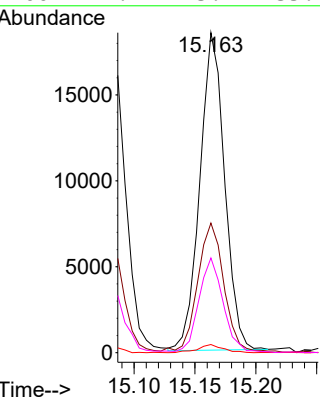
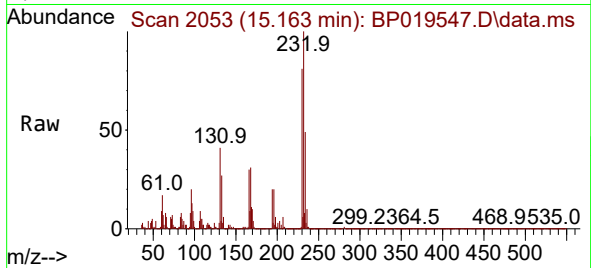
Ion Ratio Lower Upper

232 100

131 43.4 32.4 48.6

130 2.6 1.9 2.9

166 29.4 23.4 35.2



#60

Diethylphthalate

Concen: 10.595 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

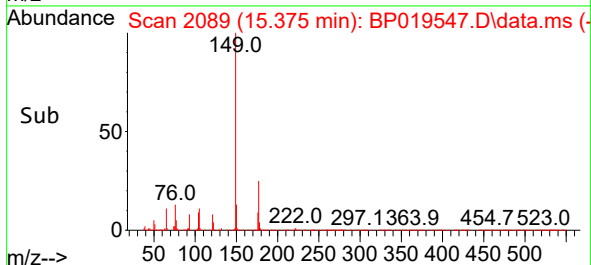
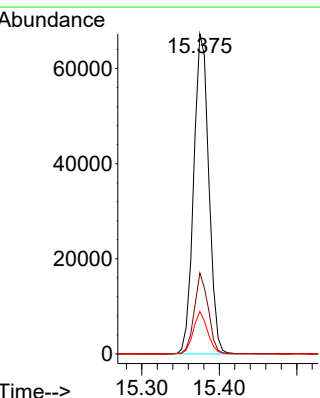
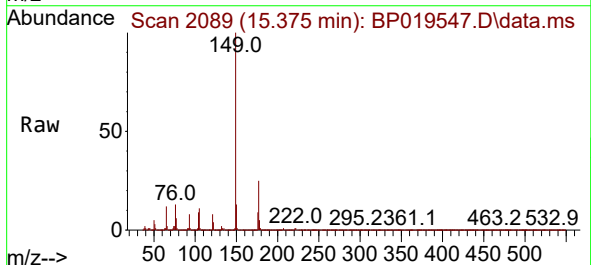
Tgt Ion:149 Resp: 91066

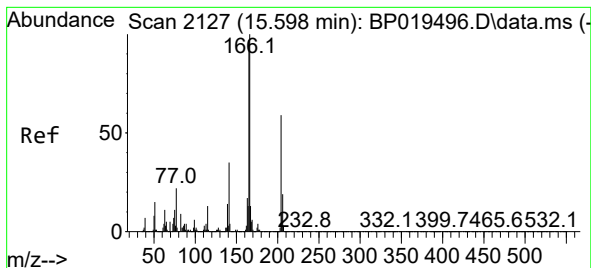
Ion Ratio Lower Upper

149 100

177 25.3 18.2 27.2

150 13.2 10.2 15.4

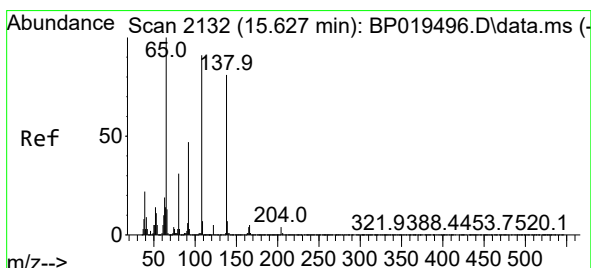
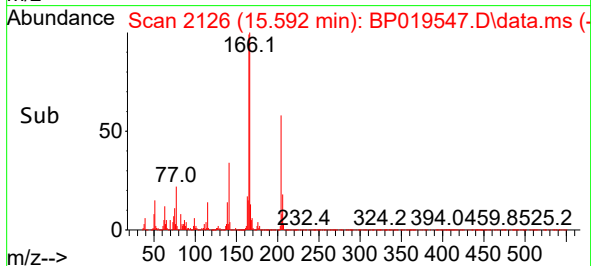
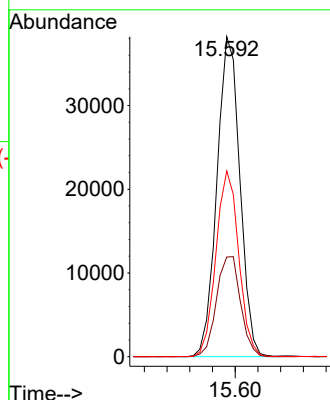
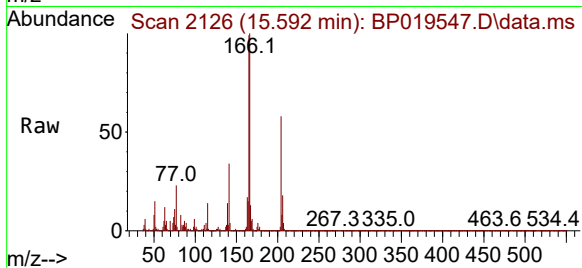




#61
4-Chlorophenyl-phenylether
Concen: 11.442 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

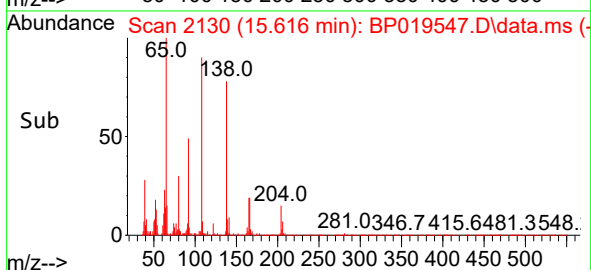
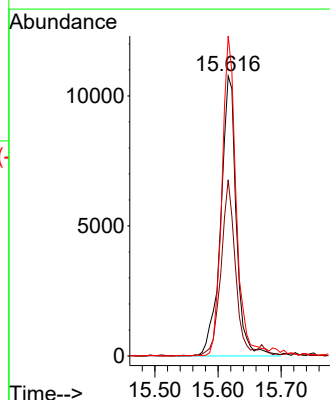
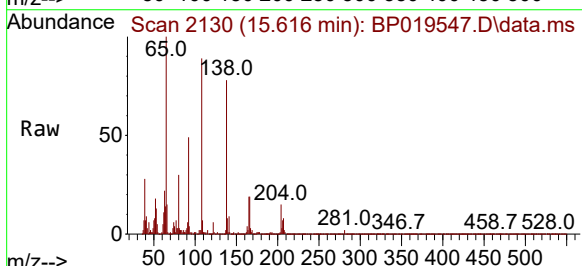
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

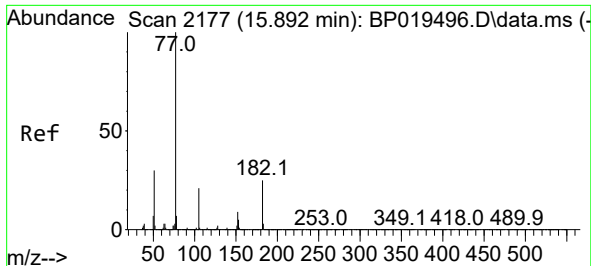
Tgt Ion:204 Resp: 53721
Ion Ratio Lower Upper
204 100
206 31.1 26.5 39.7
141 58.1 48.5 72.7



#62
4-Nitroaniline
Concen: 10.128 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:138 Resp: 18522
Ion Ratio Lower Upper
138 100
92 62.9 38.3 78.3
108 114.3 91.2 131.2

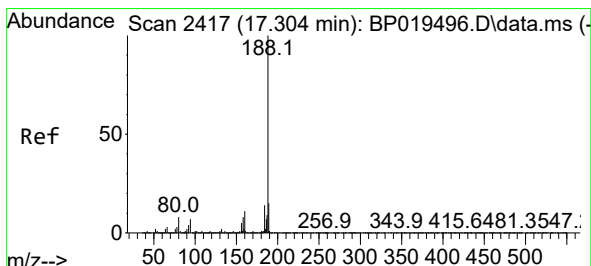
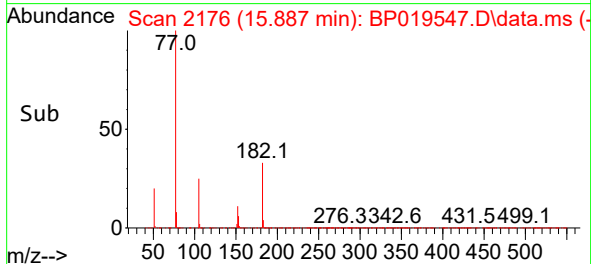
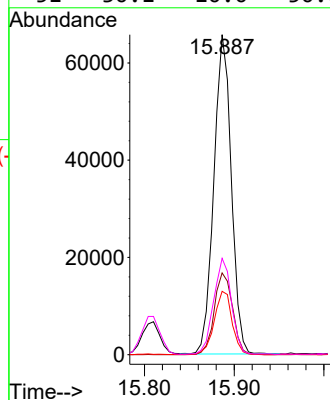
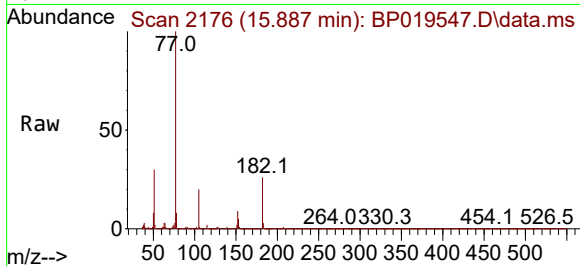




#63
Azobenzene
Concen: 10.669 ng
RT: 15.887 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

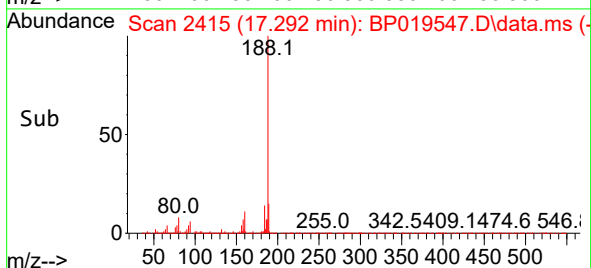
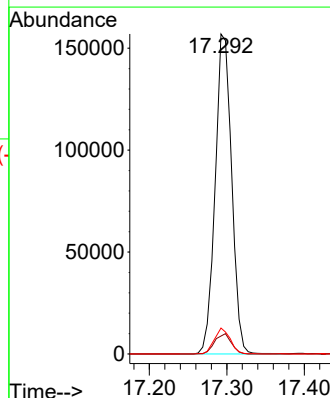
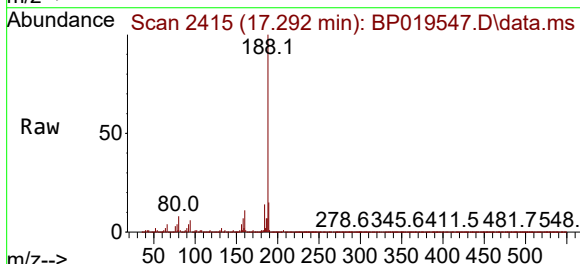
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

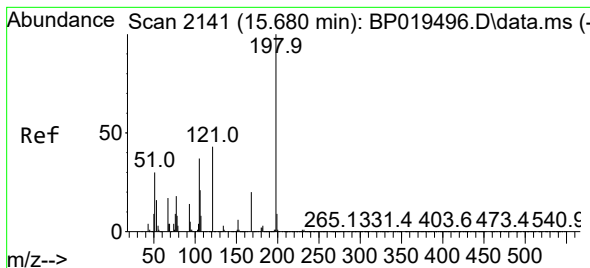
Tgt Ion: 77	Resp: 88677
Ion Ratio	Lower Upper
77 100	
182 25.5	5.1 45.1
105 19.8	0.8 40.8
51 30.1	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 188	Resp: 232016
Ion Ratio	Lower Upper
188 100	
94 5.6	5.4 8.2
80 8.1	6.3 9.5

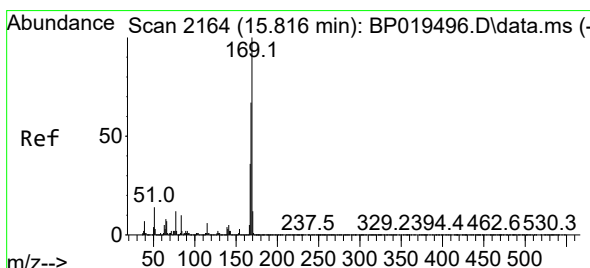
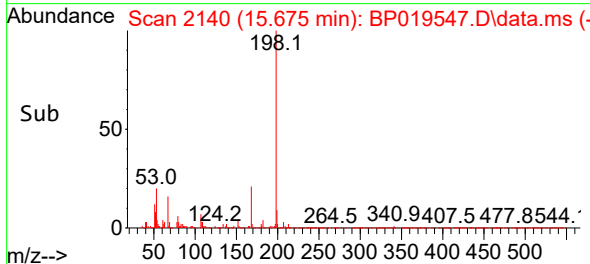
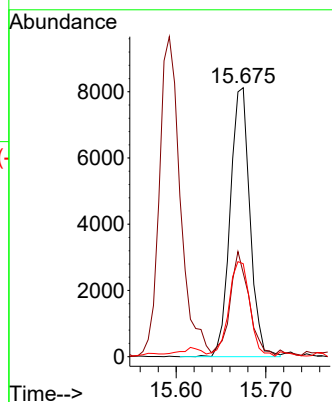
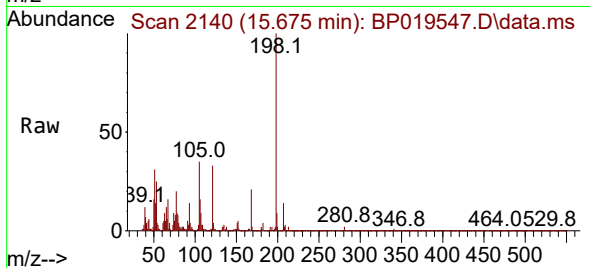




#65
4,6-Dinitro-2-methylphenol
Concen: 9.355 ng
RT: 15.675 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

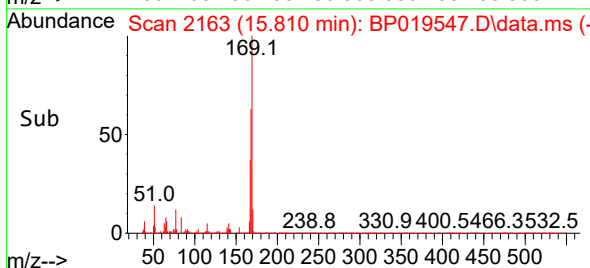
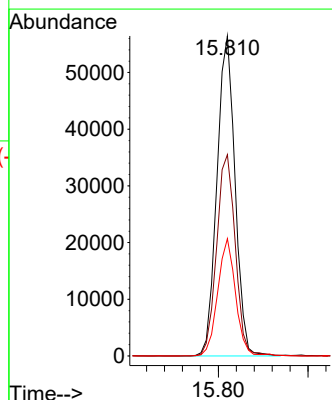
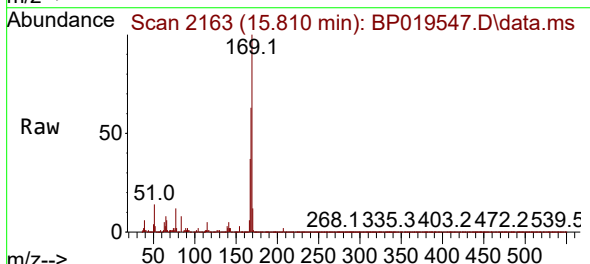
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

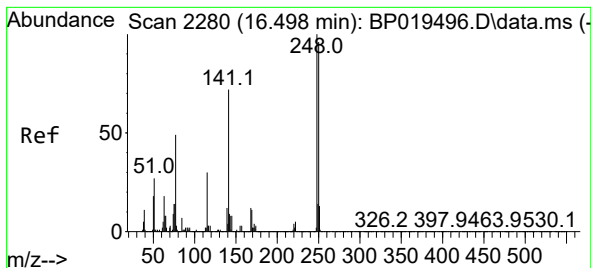
Tgt Ion:198 Resp: 12376
Ion Ratio Lower Upper
198 100
51 31.1 21.2 61.2
105 34.6 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 11.380 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:169 Resp: 79078
Ion Ratio Lower Upper
169 100
168 62.9 53.4 80.2
167 36.6 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 10.914 ng

RT: 16.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

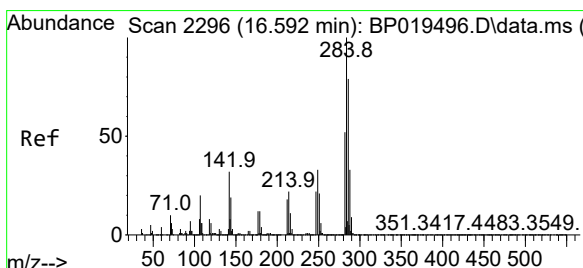
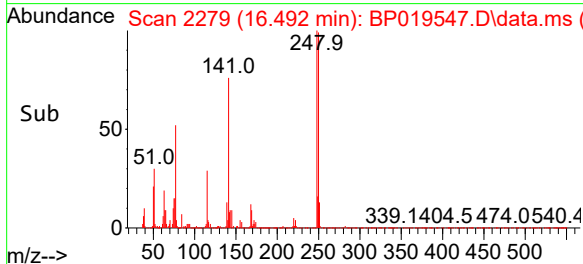
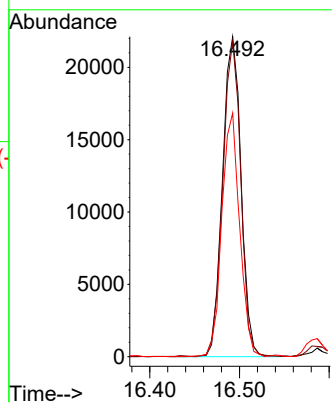
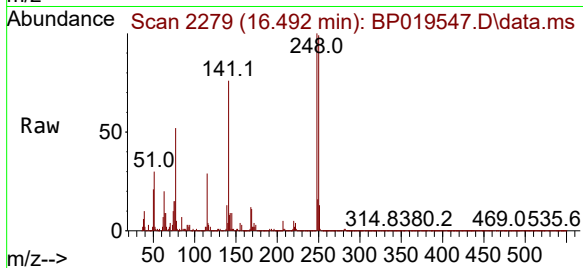
Tgt Ion:248 Resp: 31655

Ion Ratio Lower Upper

248 100

250 98.6 76.9 115.3

141 76.2 58.0 87.0



#68

Hexachlorobenzene

Concen: 11.192 ng

RT: 16.587 min Scan# 2295

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

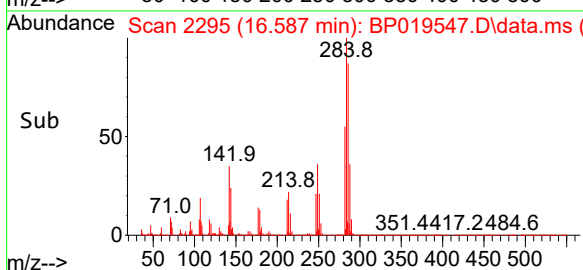
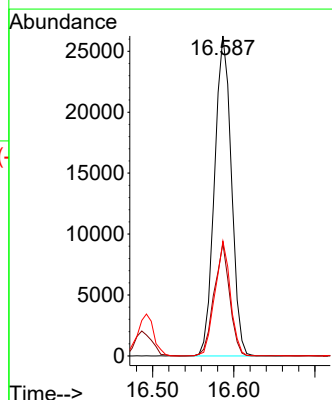
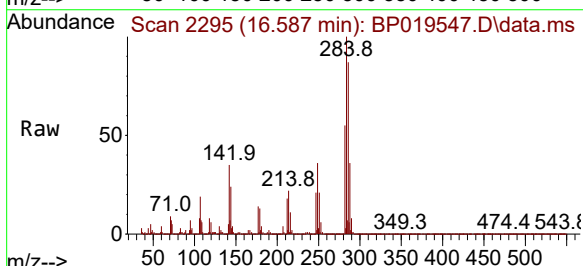
Tgt Ion:284 Resp: 37907

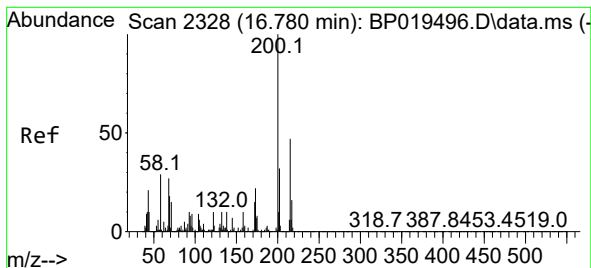
Ion Ratio Lower Upper

284 100

142 35.2 25.4 38.2

249 35.9 26.5 39.7





#69

Atrazine

Concen: 13.029 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

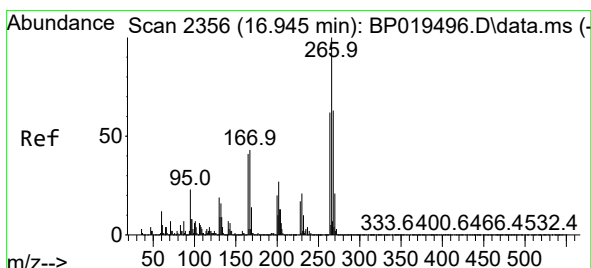
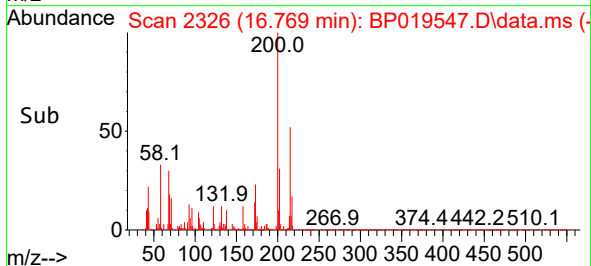
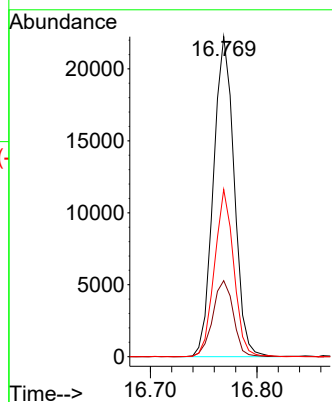
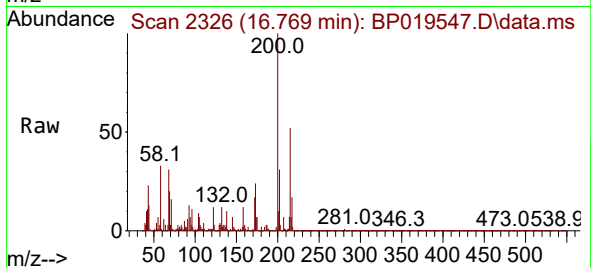
Tgt Ion:200 Resp: 30042

Ion Ratio Lower Upper

200 100

173 23.7 1.7 41.7

215 52.2 26.9 66.9



#70

Pentachlorophenol

Concen: 9.381 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

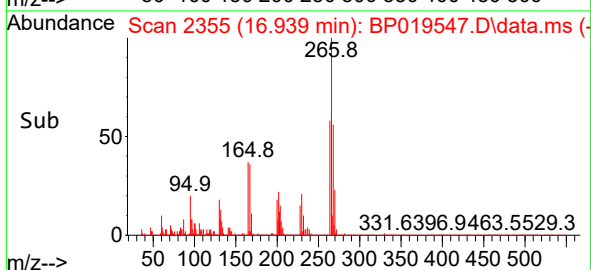
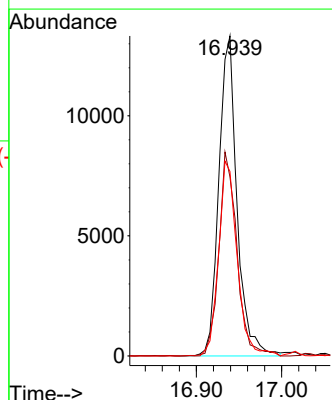
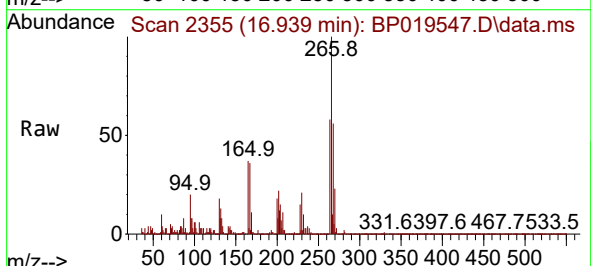
Tgt Ion:266 Resp: 19787

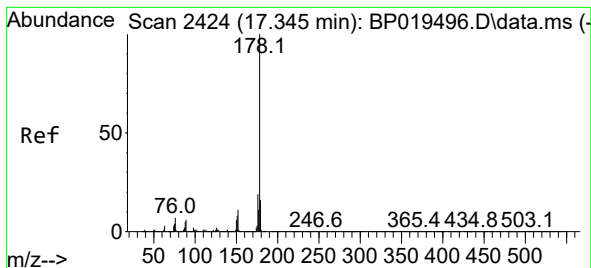
Ion Ratio Lower Upper

266 100

268 56.0 50.3 75.5

264 57.6 49.7 74.5





#71

Phenanthrene

Concen: 11.933 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

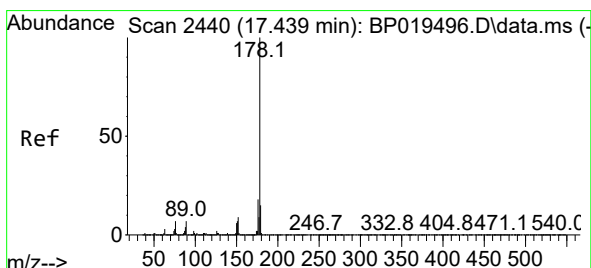
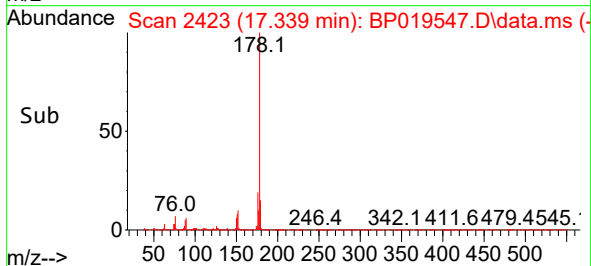
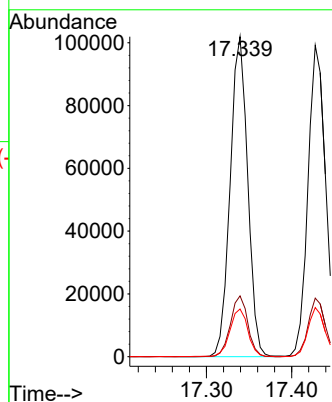
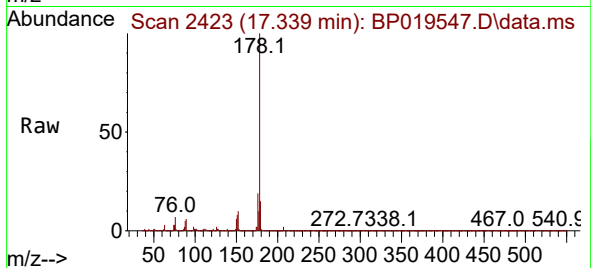
Tgt Ion:178 Resp: 145704

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 14.9 12.6 19.0



#72

Anthracene

Concen: 11.744 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

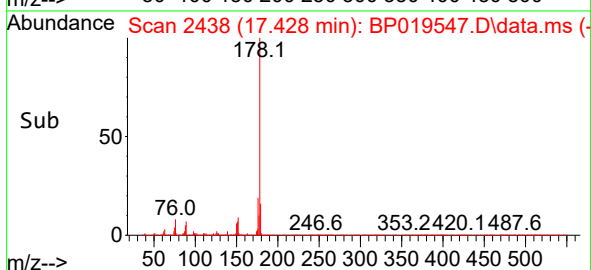
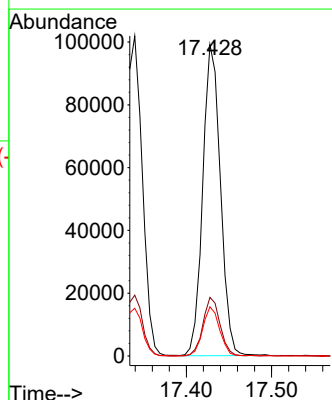
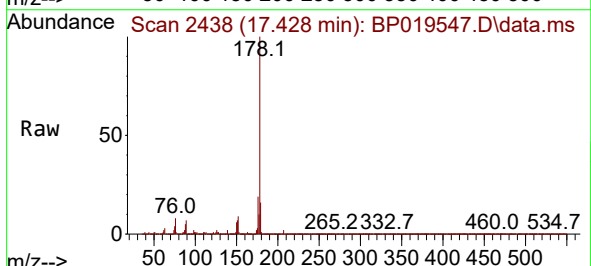
Tgt Ion:178 Resp: 143044

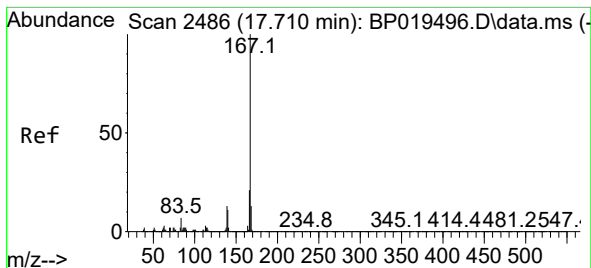
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.8 12.2 18.2





#73

Carbazole

Concen: 11.346 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

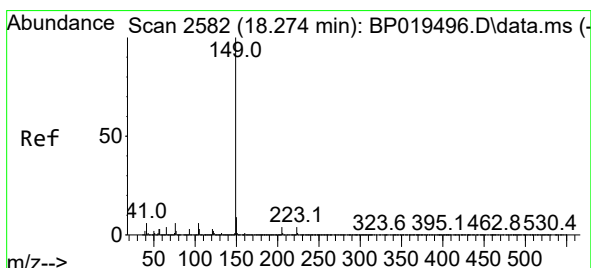
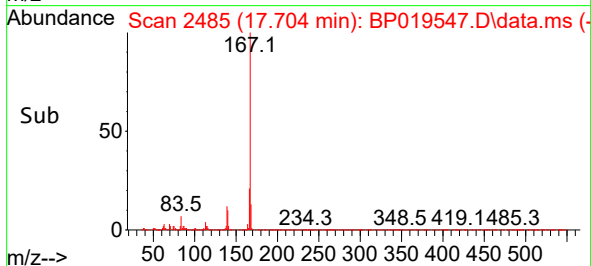
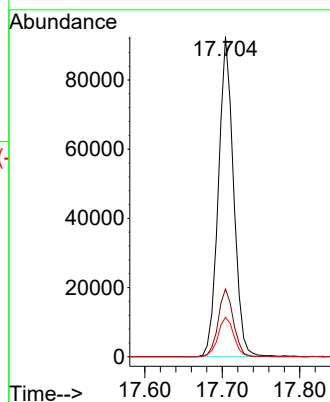
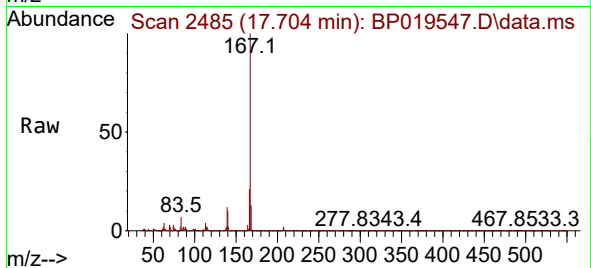
Tgt Ion:167 Resp: 125544

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 12.3 10.6 15.8



#74

Di-n-butylphthalate

Concen: 10.624 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

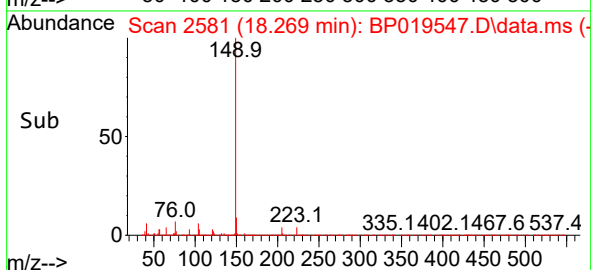
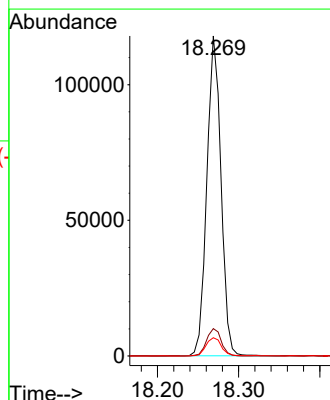
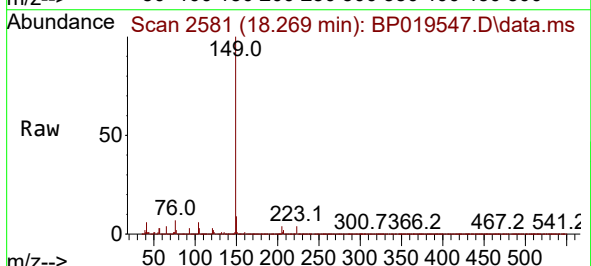
Tgt Ion:149 Resp: 142135

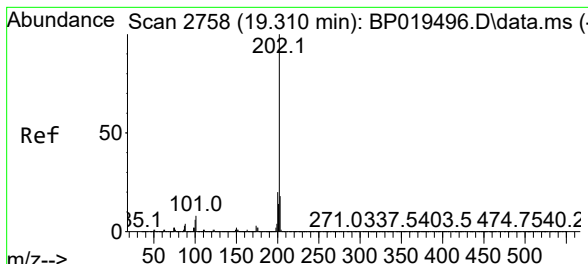
Ion Ratio Lower Upper

149 100

150 8.6 7.3 10.9

104 5.7 4.8 7.2

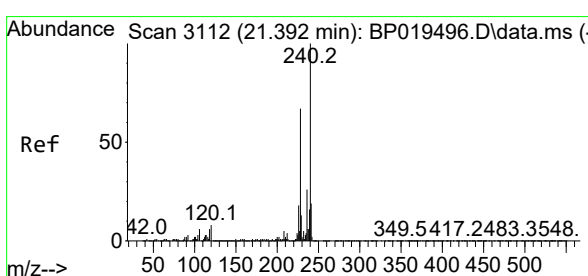
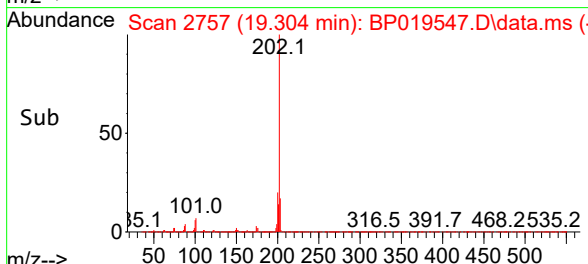
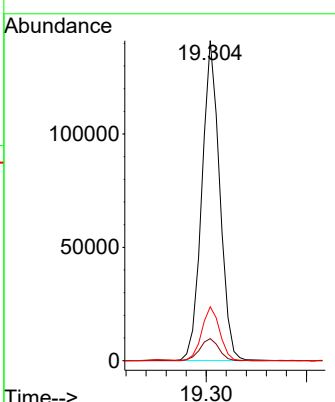
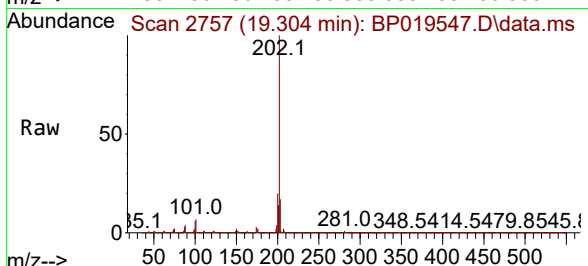




#75
 Fluoranthene
 Concen: 11.651 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019547.D
 Acq: 03 Feb 2024 02:23

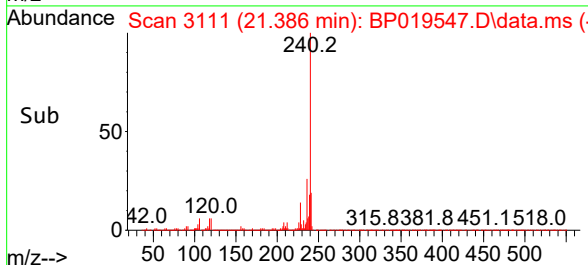
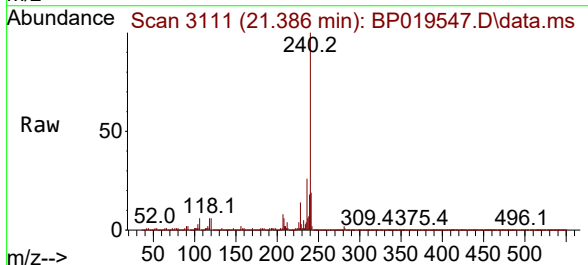
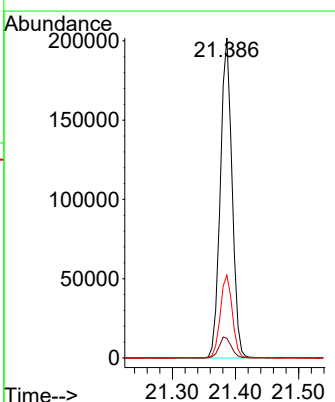
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

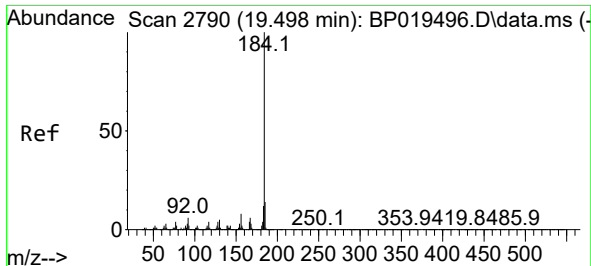
Tgt Ion:	202	Resp:	173792
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	27.7
203	16.8	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019547.D
 Acq: 03 Feb 2024 02:23

Tgt Ion:	240	Resp:	260299
Ion	Ratio	Lower	Upper
240	100		
120	6.1	6.1	9.1
236	25.8	20.7	31.1

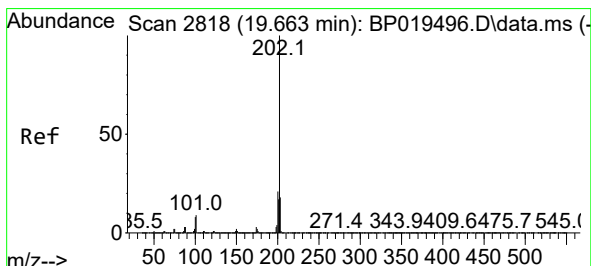
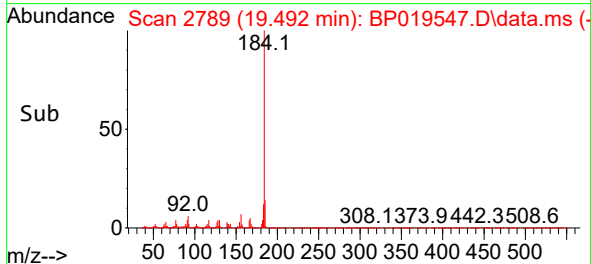
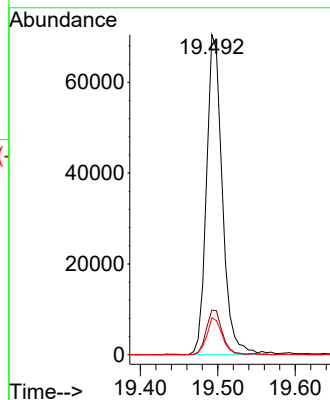
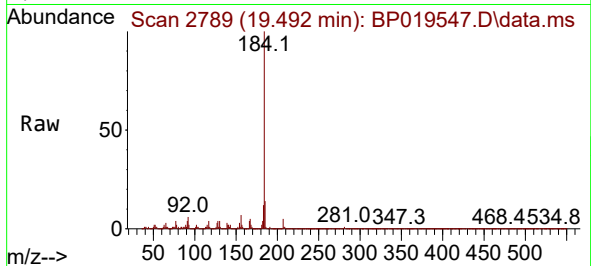




#77
Benzidine
Concen: 18.504 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

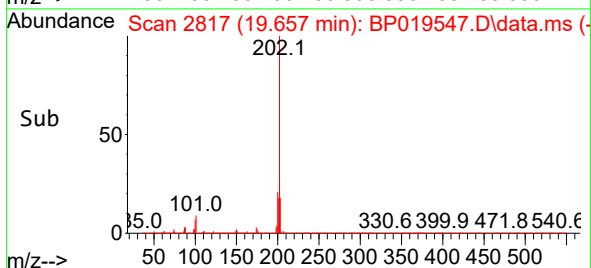
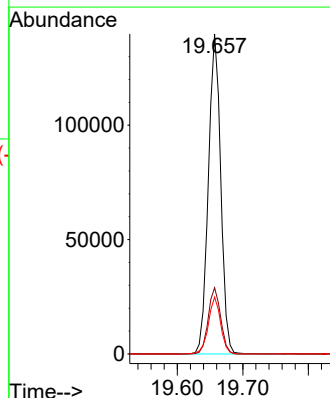
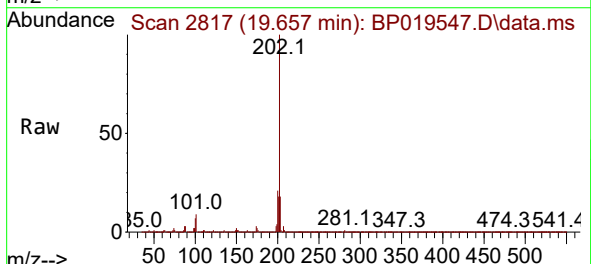
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

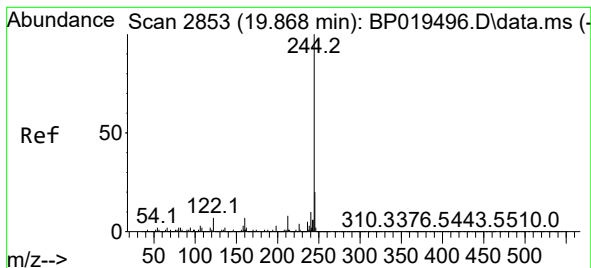
Tgt Ion:184 Resp: 100697
Ion Ratio Lower Upper
184 100
185 13.9 11.1 16.7
183 11.5 9.7 14.5



#78
Pyrene
Concen: 9.989 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:202 Resp: 183502
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 108.475 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

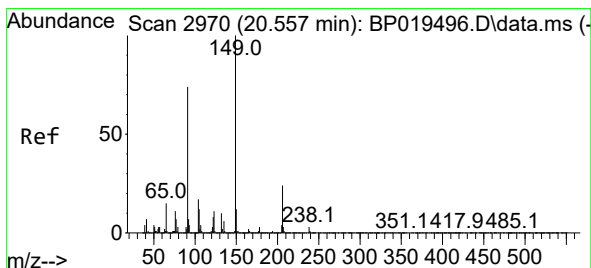
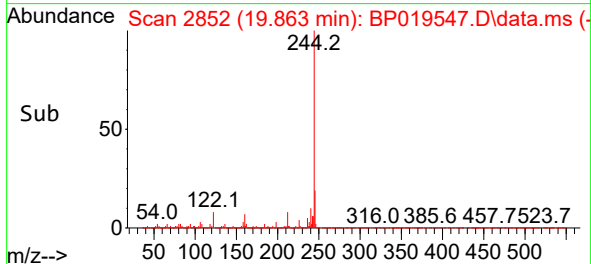
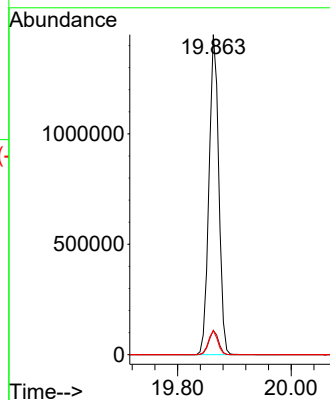
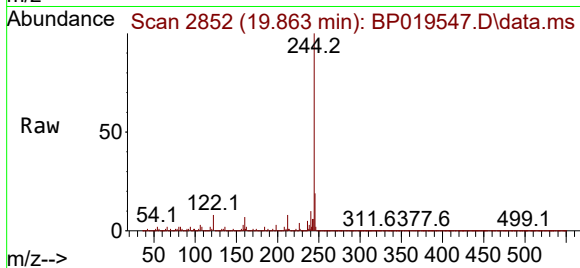
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:244 Resp: 1716954

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.5	5.9	8.9



#80

Butylbenzylphthalate

Concen: 9.401 ng

RT: 20.551 min Scan# 2969

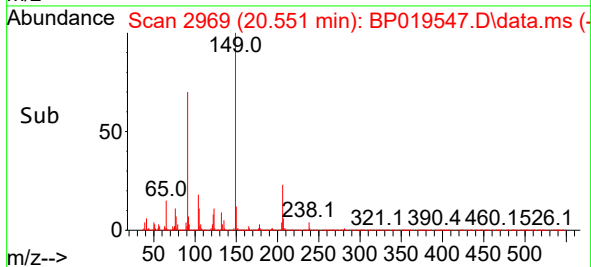
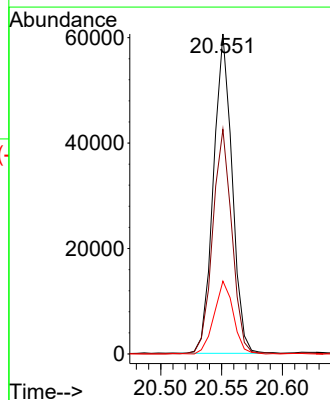
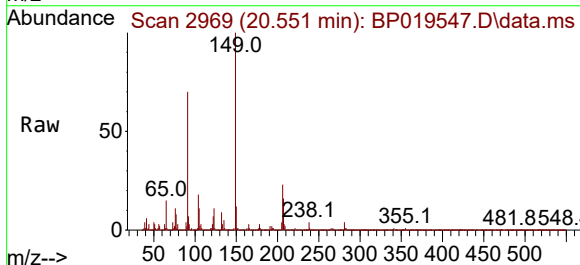
Delta R.T. -0.006 min

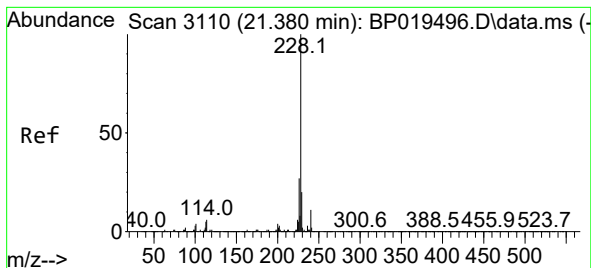
Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:149 Resp: 64496

Ion	Ratio	Lower	Upper
149	100		
91	70.2	59.4	89.0
206	22.7	19.0	28.6





#81

Benzo(a)anthracene

Concen: 11.550 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

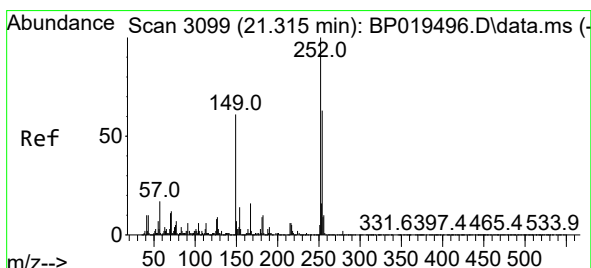
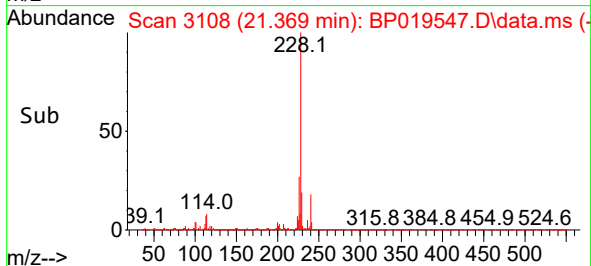
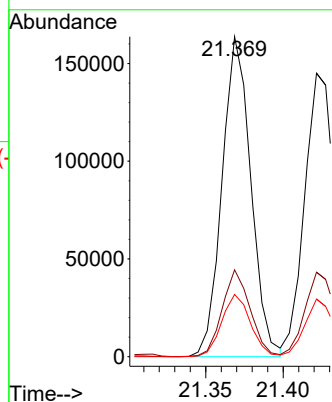
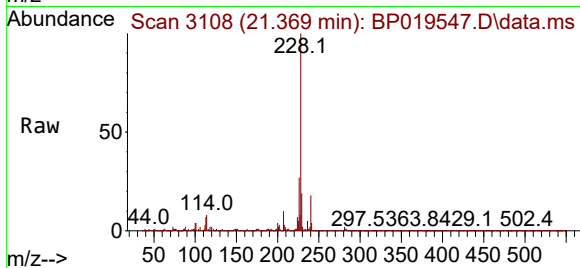
Tgt Ion:228 Resp: 211637

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 19.4 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 12.114 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

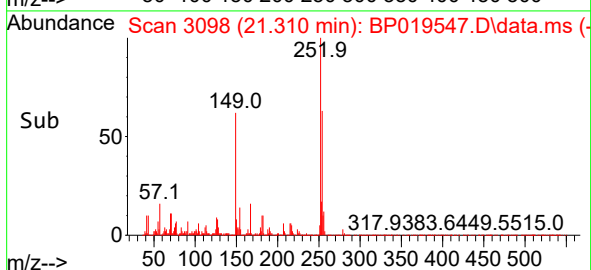
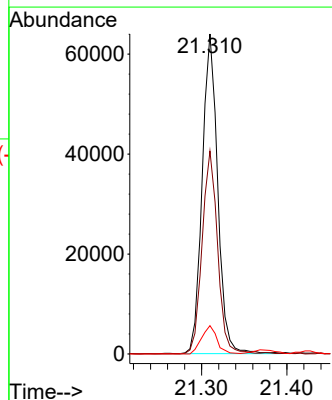
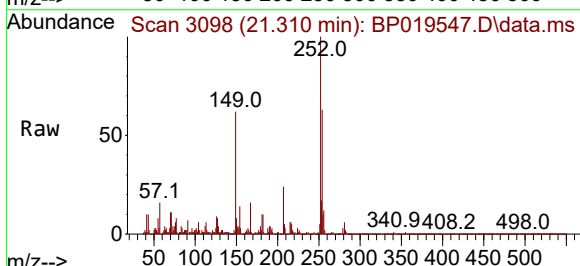
Tgt Ion:252 Resp: 80886

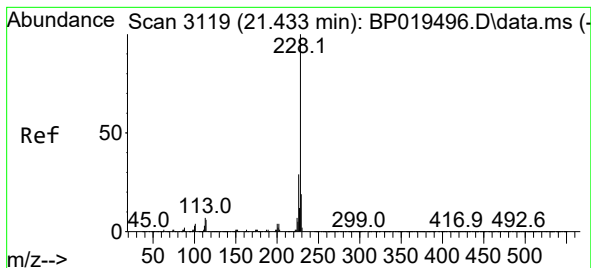
Ion Ratio Lower Upper

252 100

254 63.4 50.7 76.1

126 8.9 6.4 9.6





#83

Chrysene

Concen: 11.333 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

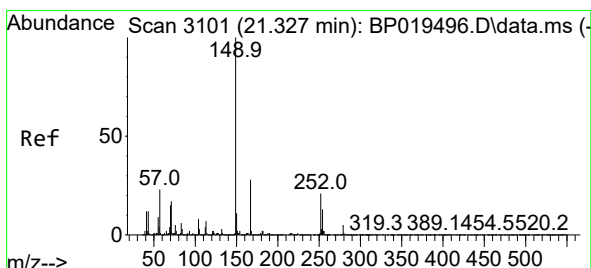
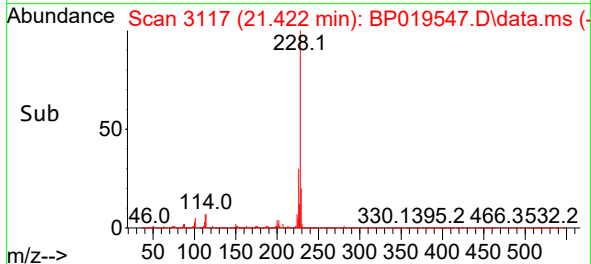
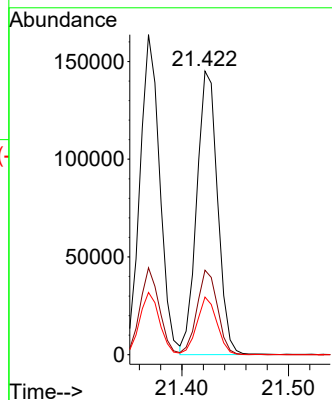
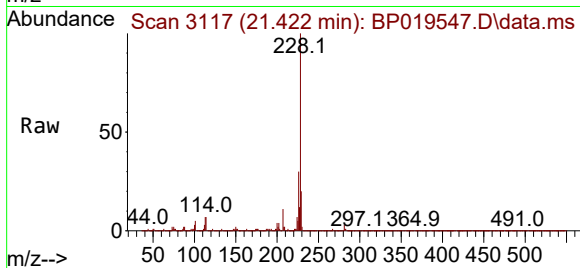
Tgt Ion:228 Resp: 197149

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.975 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

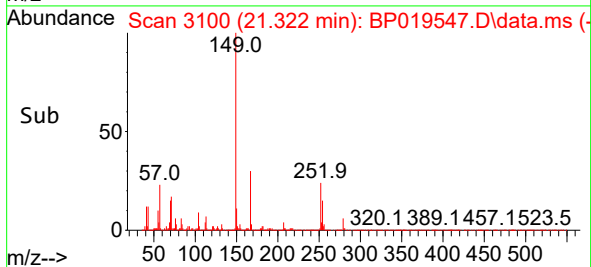
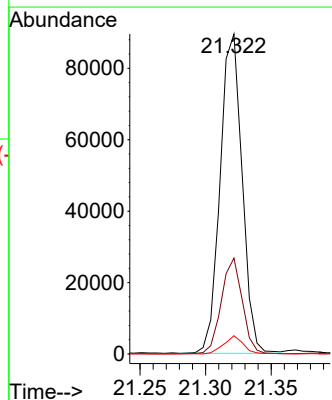
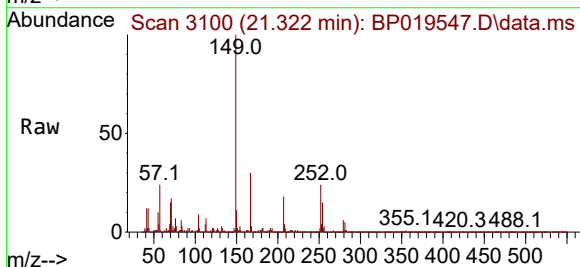
Tgt Ion:149 Resp: 104210

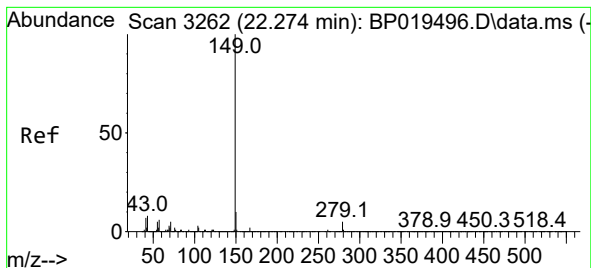
Ion Ratio Lower Upper

149 100

167 30.0 22.7 34.1

279 5.7 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 9.996 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

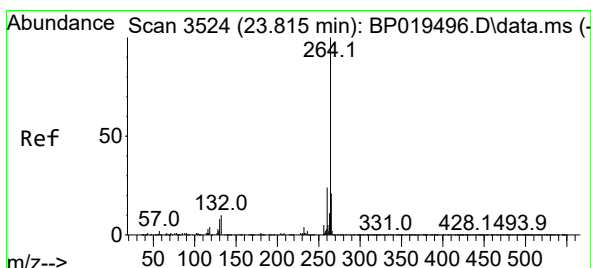
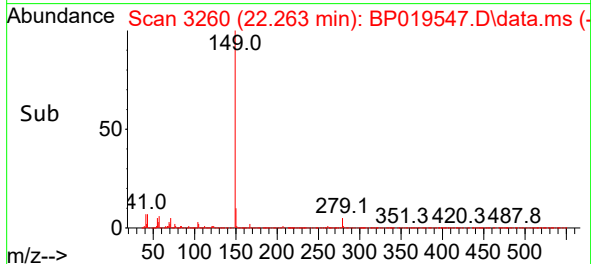
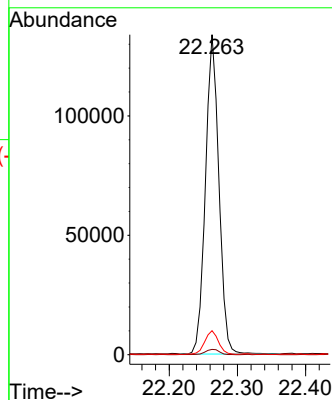
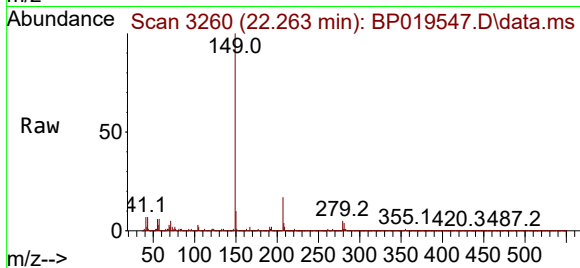
Tgt Ion:149 Resp: 183737

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 7.5 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: BP019547.D

Acq: 03 Feb 2024 02:23

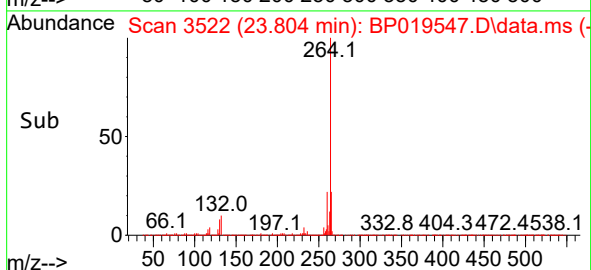
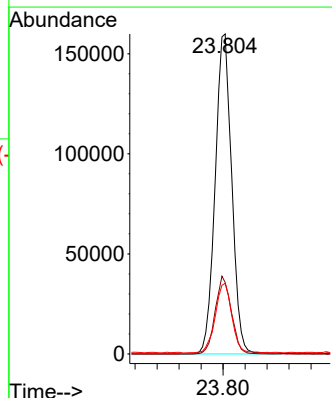
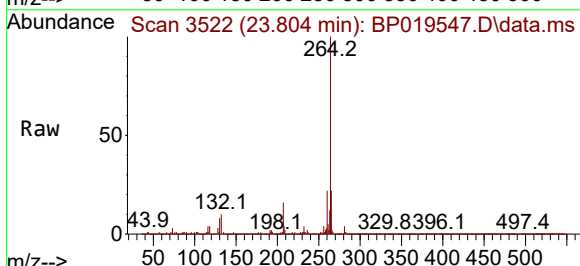
Tgt Ion:264 Resp: 333906

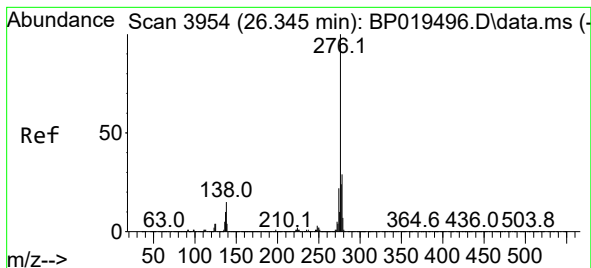
Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 22.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.067 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

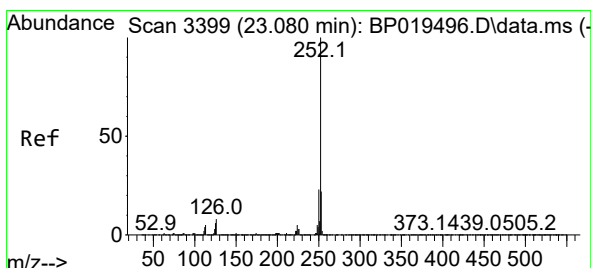
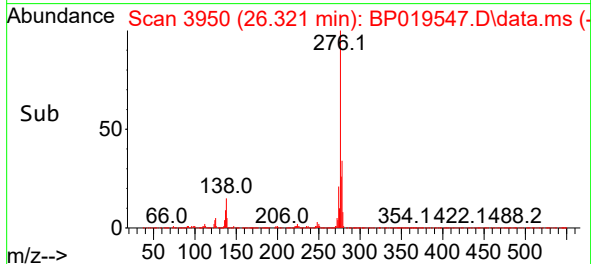
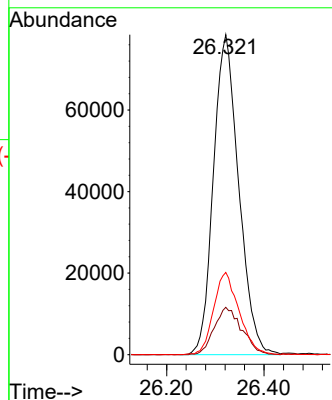
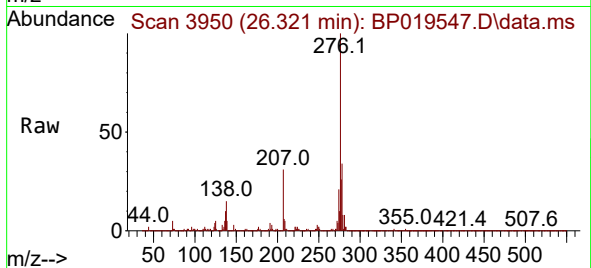
Tgt Ion:276 Resp: 282865

Ion Ratio Lower Upper

276 100

138 16.1 13.1 19.7

277 25.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.306 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.017 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

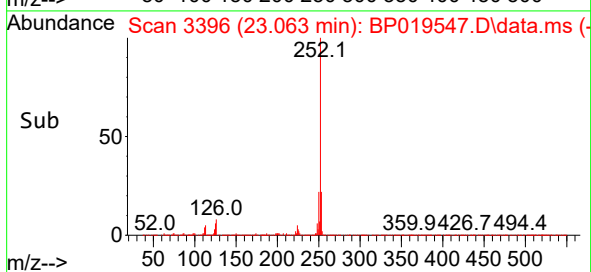
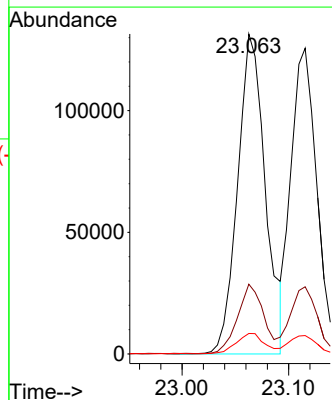
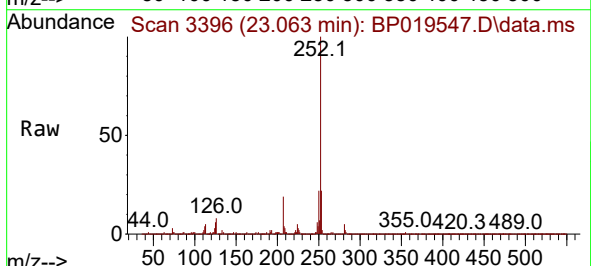
Tgt Ion:252 Resp: 237933

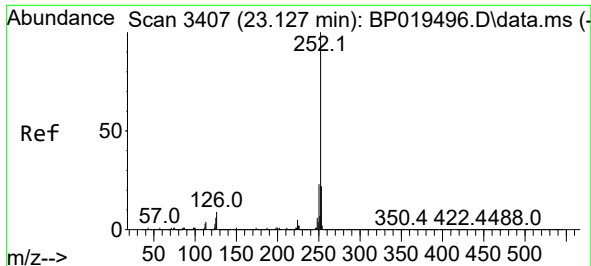
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 6.4 4.9 7.3

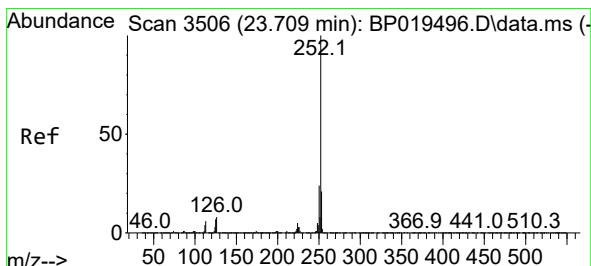
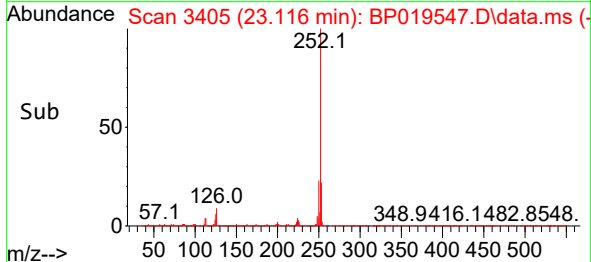
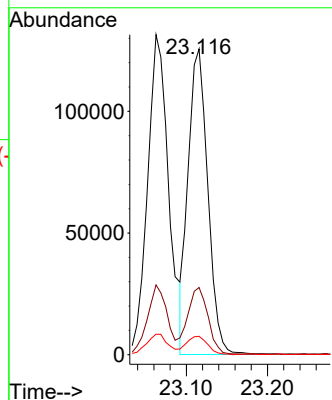
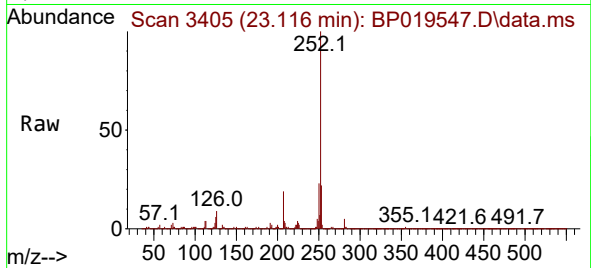




#89
Benzo(k)fluoranthene
Concen: 10.539 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

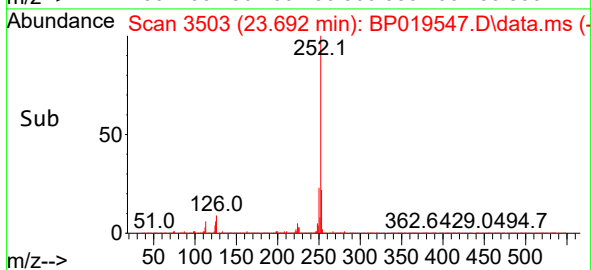
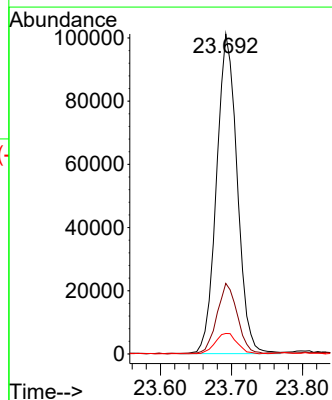
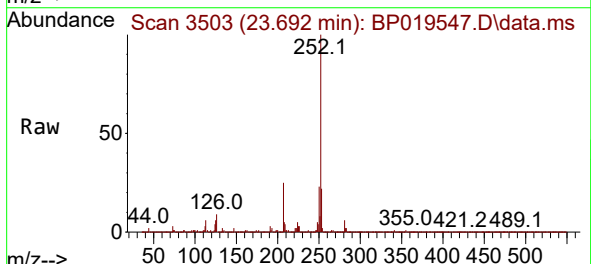
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

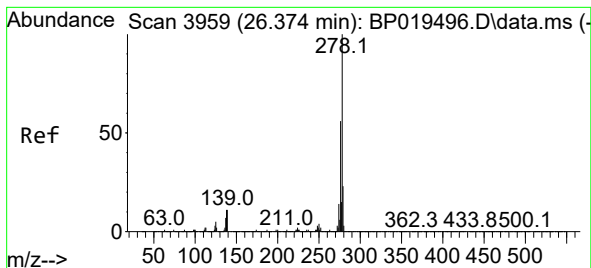
Tgt Ion:252 Resp: 211863
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.0 5.0 7.6



#90
Benzo(a)pyrene
Concen: 10.885 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:252 Resp: 203825
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 11.086 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

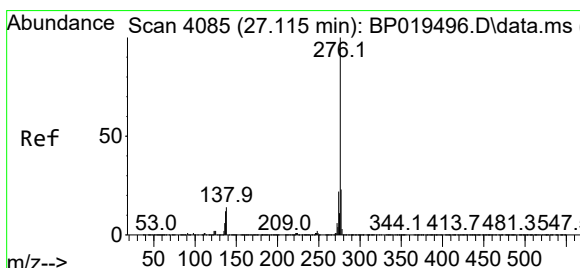
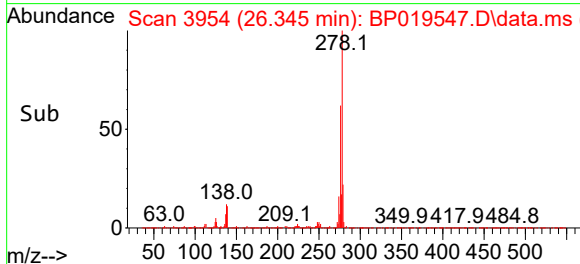
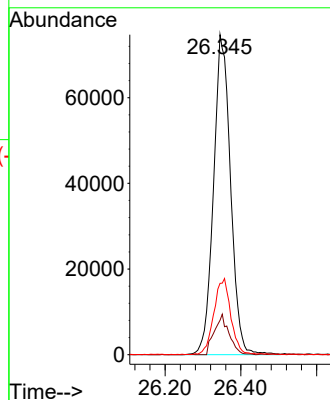
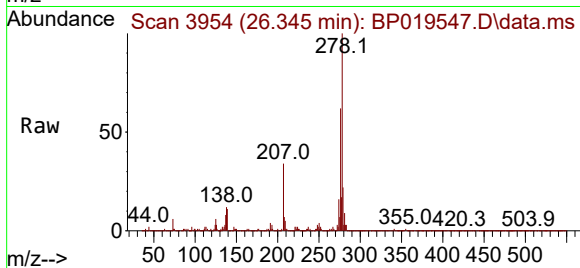
Tgt Ion:278 Resp: 233038

Ion Ratio Lower Upper

278 100

139 10.8 8.6 12.8

279 22.3 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 10.586 ng

RT: 27.092 min Scan# 4081

Delta R.T. -0.023 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:276 Resp: 225767

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 12.3 10.9 16.3

