

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020124\
 Data File : BP019513.D
 Acq On : 01 Feb 2024 18:47
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Feb 02 03:22:31 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	74678	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	310415	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	205900	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	403875	20.000	ng	0.00
76) Chrysene-d12	21.392	240	357661	20.000	ng	0.00
86) Perylene-d12	23.810	264	454626	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	621654	134.184	ng	0.00
7) Phenol-d6	7.081	99	829449	132.780	ng	0.00
23) Nitrobenzene-d5	9.081	82	568109	79.303	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	377282	125.498	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1304801	78.341	ng	0.00
79) Terphenyl-d14	19.869	244	1726277	79.375	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	14928	8.363	ng	95
3) Pyridine	3.787	79	36039	7.447	ng	99
4) n-Nitrosodimethylamine	3.711	42	16324	7.748	ng	# 98
6) Aniline	7.246	93	57859	9.532	ng	99
8) 2-Chlorophenol	7.475	128	37403	7.864	ng	97
9) Benzaldehyde	7.057	77	39457	9.009	ng	95
10) Phenol	7.104	94	50272	8.074	ng	86
11) bis(2-Chloroethyl)ether	7.352	93	40185	8.296	ng	97
12) 1,3-Dichlorobenzene	7.799	146	45563	7.829	ng	98
13) 1,4-Dichlorobenzene	7.952	146	47249	8.013	ng	96
14) 1,2-Dichlorobenzene	8.263	146	44009	7.714	ng	97
15) Benzyl Alcohol	8.157	79	42619	8.539	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.451	45	41332	8.533	ng	98
17) 2-Methylphenol	8.357	107	34828	8.309	ng	96
18) Hexachloroethane	8.987	117	17967	7.861	ng	91
19) n-Nitroso-di-n-propyla...	8.728	70	37294	8.740	ng	# 95
20) 3+4-Methylphenols	8.687	107	46384	8.108	ng	94
22) Acetophenone	8.740	105	69101	7.814	ng	# 97
24) Nitrobenzene	9.122	77	54230	7.519	ng	98
25) Isophorone	9.646	82	97280	7.797	ng	99
26) 2-Nitrophenol	9.828	139	19311	7.022	ng	97
27) 2,4-Dimethylphenol	9.887	122	32373	9.206	ng	95
28) bis(2-Chloroethoxy)met...	10.140	93	56222	7.965	ng	99
29) 2,4-Dichlorophenol	10.357	162	39862	7.499	ng	94
30) 1,2,4-Trichlorobenzene	10.575	180	47351	7.265	ng	98
31) Naphthalene	10.763	128	126950	7.457	ng	100
32) Benzoic acid	9.957	122	19260	5.621	ng	# 86
33) 4-Chloroaniline	10.881	127	52995	8.417	ng	97
34) Hexachlorobutadiene	11.040	225	34330	7.108	ng	99
35) Caprolactam	11.651	113	10767	7.155	ng	91
36) 4-Chloro-3-methylphenol	11.998	107	42809	7.385	ng	97
37) 2-Methylnaphthalene	12.369	142	89006	7.554	ng	98
38) 1-Methylnaphthalene	12.587	142	88481	7.642	ng	95
40) 1,2,4,5-Tetrachloroben...	12.734	216	61483	7.743	ng	98
41) Hexachlorocyclopentadiene	12.710	237	34113	9.510	ng	97
43) 2,4,6-Trichlorophenol	12.975	196	33653	6.999	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020124\
 Data File : BP019513.D
 Acq On : 01 Feb 2024 18:47
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

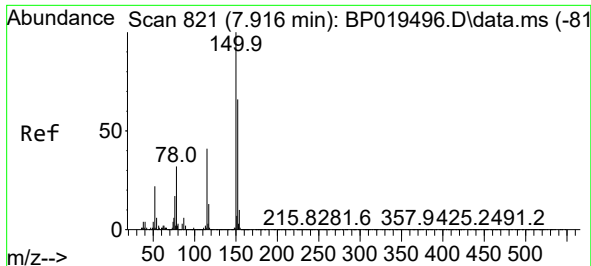
Quant Time: Feb 02 03:22:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	37227	7.051	ng	99
46) 1,1'-Biphenyl	13.387	154	124937	7.603	ng	100
47) 2-Chloronaphthalene	13.422	162	98774	7.322	ng	98
48) 2-Nitroaniline	13.634	65	25414	6.737	ng	96
49) Acenaphthylene	14.269	152	150697	7.962	ng	100
50) Dimethylphthalate	14.016	163	116884	7.415	ng	99
51) 2,6-Dinitrotoluene	14.134	165	23079	6.664	ng	97
52) Acenaphthene	14.610	154	85041	7.240	ng	98
53) 3-Nitroaniline	14.457	138	21688	6.815	ng	91
54) 2,4-Dinitrophenol	14.663	184	9790	5.445	ng	# 88
55) Dibenzofuran	14.945	168	145966	7.630	ng	99
56) 4-Nitrophenol	14.757	139	16097	6.171	ng	96
57) 2,4-Dinitrotoluene	14.916	165	29359	6.469	ng	# 96
58) Fluorene	15.592	166	112529	7.385	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.169	232	31697	7.137	ng	100
60) Diethylphthalate	15.381	149	111070	7.084	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	62881	7.342	ng	98
62) 4-Nitroaniline	15.616	138	21962	6.583	ng	94
63) Azobenzene	15.892	77	109009	7.190	ng	98
65) 4,6-Dinitro-2-methylph...	15.675	198	12792	5.555	ng	94
66) n-Nitrosodiphenylamine	15.810	169	93202	7.705	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	37433	7.414	ng	100
68) Hexachlorobenzene	16.586	284	42655	7.235	ng	95
69) Atrazine	16.769	200	33941	8.456	ng	97
70) Pentachlorophenol	16.939	266	21884	5.960	ng	94
71) Phenanthrene	17.339	178	163555	7.695	ng	99
72) Anthracene	17.433	178	165519	7.807	ng	100
73) Carbazole	17.710	167	134560	6.986	ng	99
74) Di-n-butylphthalate	18.275	149	156864	6.735	ng	99
75) Fluoranthene	19.310	202	176338	6.791	ng	99
77) Benzidine	19.498	184	88522	11.838	ng	98
78) Pyrene	19.663	202	183563	7.272	ng	99
80) Butylbenzylphthalate	20.557	149	62706	6.652	ng	96
81) Benzo(a)anthracene	21.374	228	189979	7.546	ng	99
82) 3,3'-Dichlorobenzidine	21.316	252	74604	8.132	ng	100
83) Chrysene	21.427	228	174649	7.307	ng	98
84) Bis(2-ethylhexyl)phtha...	21.327	149	101425	7.066	ng	99
85) Di-n-octyl phthalate	22.268	149	177056	7.011	ng	99
87) Indeno(1,2,3-cd)pyrene	26.327	276	259346	7.452	ng	99
88) Benzo(b)fluoranthene	23.068	252	210571	7.349	ng	99
89) Benzo(k)fluoranthene	23.121	252	187673	6.857	ng	98
90) Benzo(a)pyrene	23.704	252	184008	7.218	ng	97
91) Dibenzo(a,h)anthracene	26.362	278	217428	7.597	ng	100
92) Benzo(g,h,i)perylene	27.103	276	206394	7.108	ng	95

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

Quant Time: Feb 02 03:22:31 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

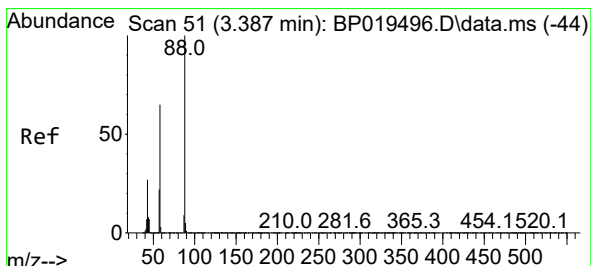
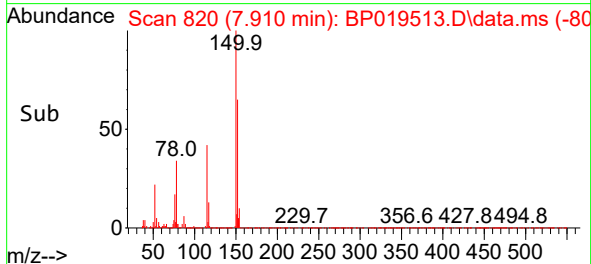
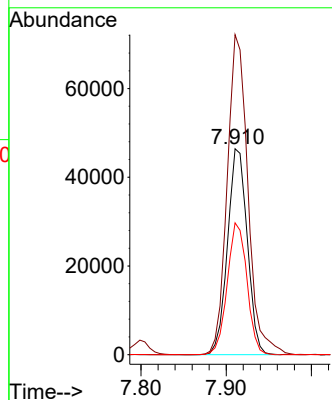
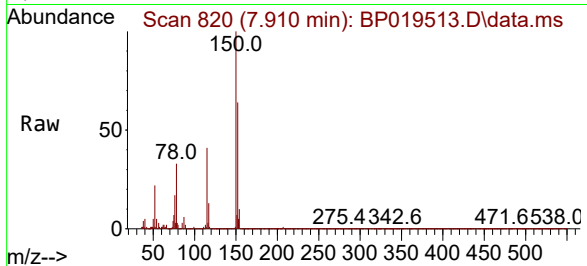




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

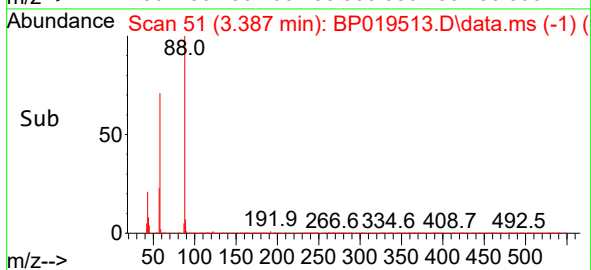
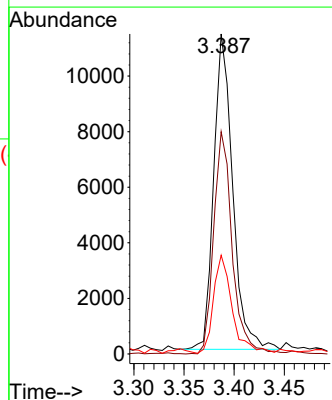
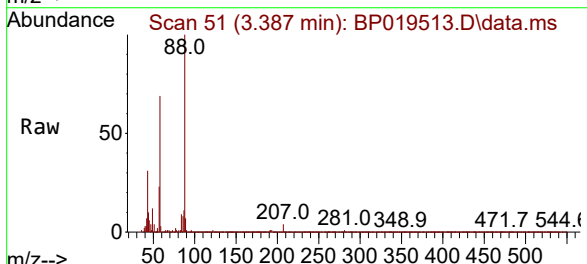
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

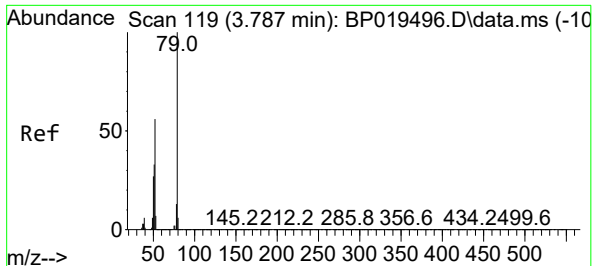
Tgt Ion:152 Resp: 74678
Ion Ratio Lower Upper
152 100
150 155.4 121.8 182.8
115 64.0 49.9 74.9



#2
1,4-Dioxane
Concen: 8.363 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 88 Resp: 14928
Ion Ratio Lower Upper
88 100
58 68.8 52.6 78.8
43 30.6 21.9 32.9





#3

Pyridine

Concen: 7.447 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

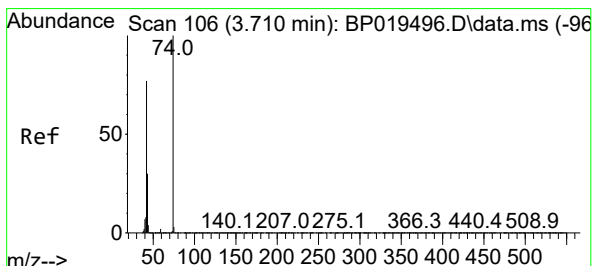
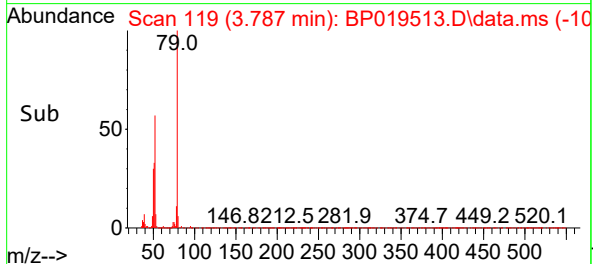
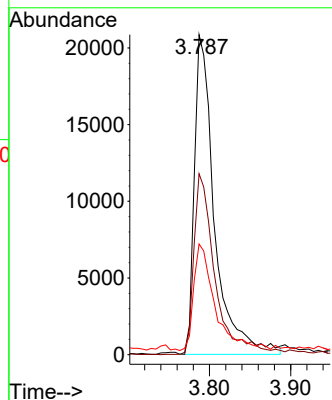
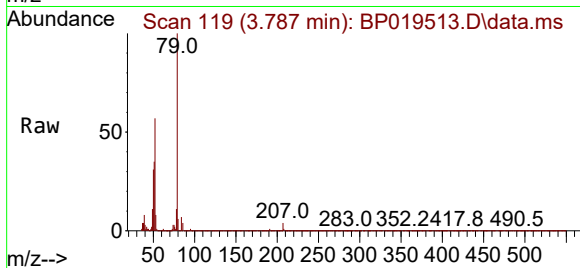
Tgt Ion: 79 Resp: 36039

Ion Ratio Lower Upper

79 100

52 56.5 45.0 67.6

51 34.6 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 7.748 ng

RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

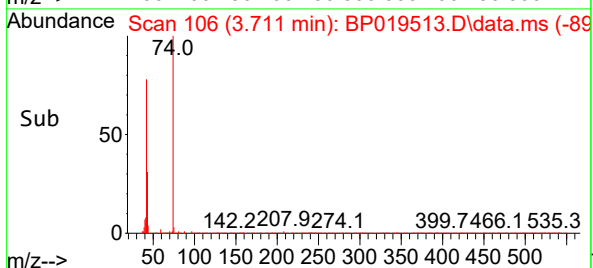
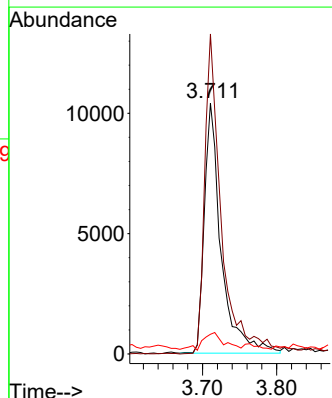
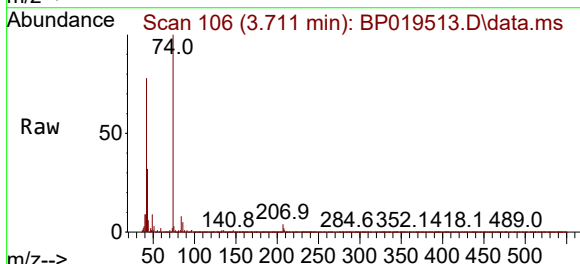
Tgt Ion: 42 Resp: 16324

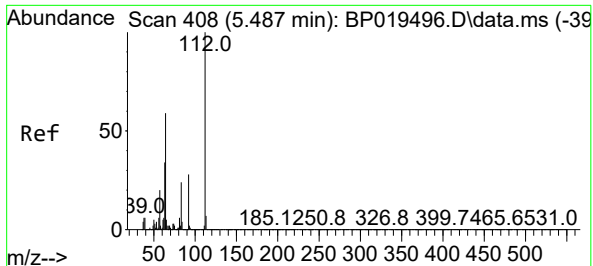
Ion Ratio Lower Upper

42 100

74 127.5 103.4 155.2

44 7.8 4.8 7.2#

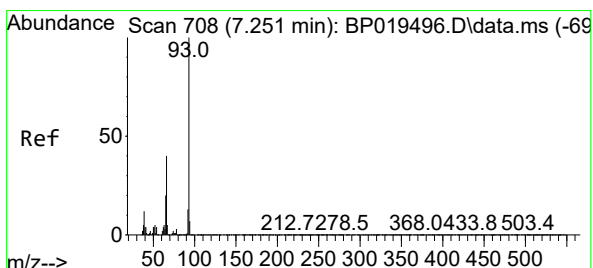
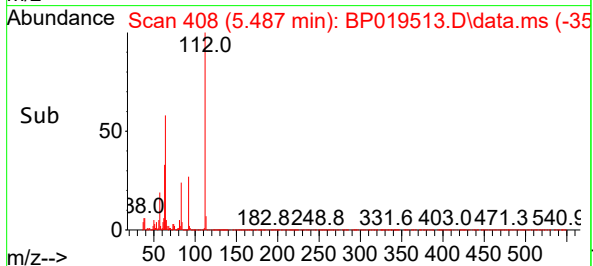
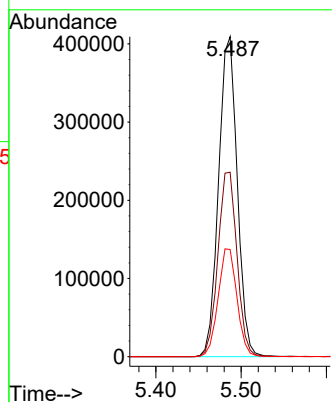
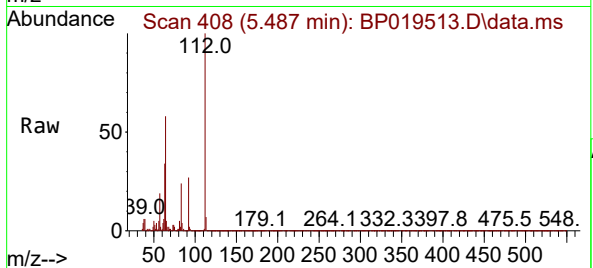




#5
2-Fluorophenol
Concen: 134.184 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

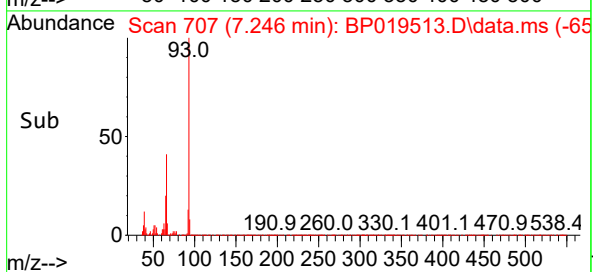
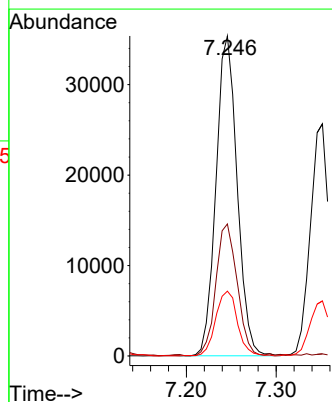
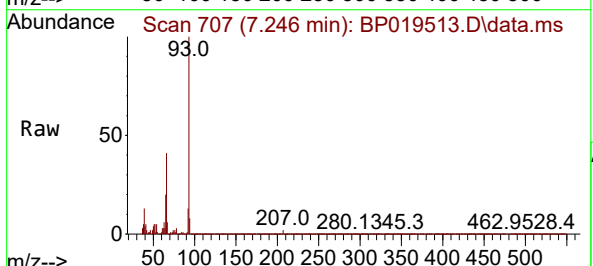
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

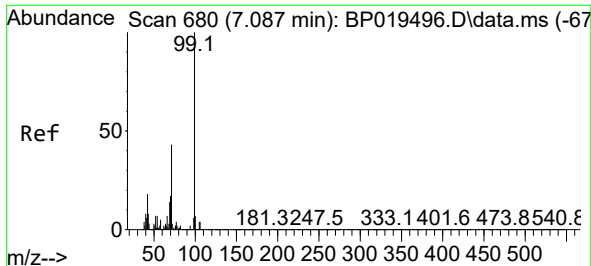
Tgt Ion:112 Resp: 621654
Ion Ratio Lower Upper
112 100
64 57.6 47.4 71.0
63 33.5 27.0 40.6



#6
Aniline
Concen: 9.532 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 93 Resp: 57859
Ion Ratio Lower Upper
93 100
66 41.3 32.3 48.5
65 20.2 16.4 24.6

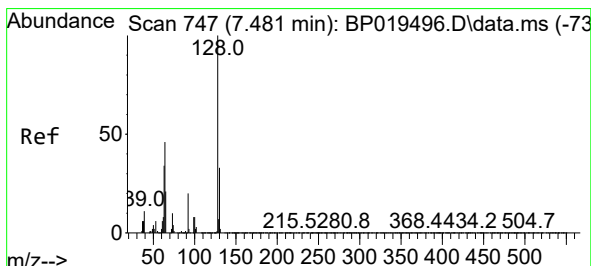
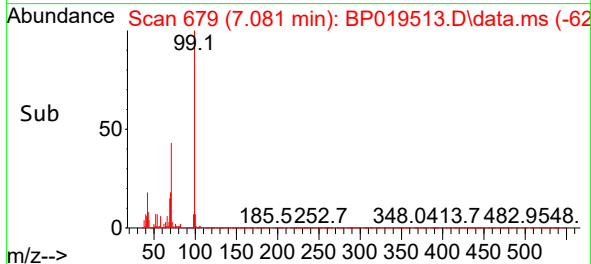
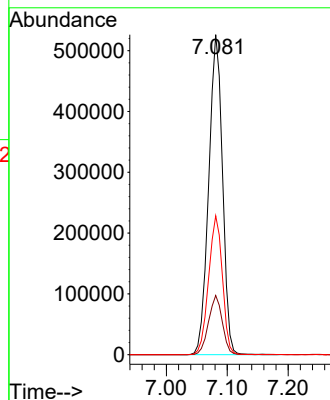
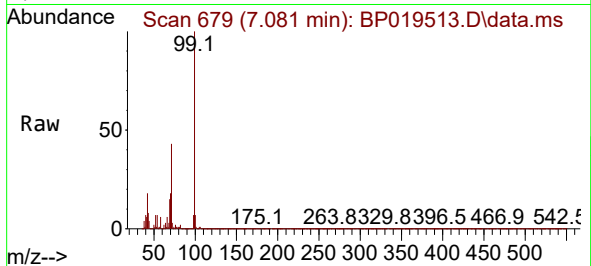




#7
Phenol-d6
Concen: 132.780 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

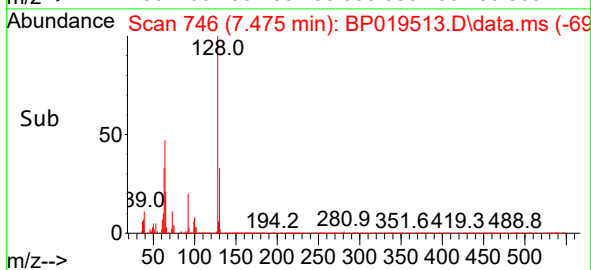
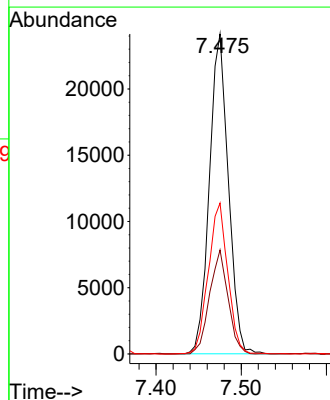
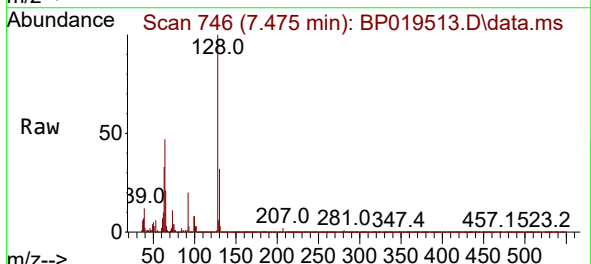
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

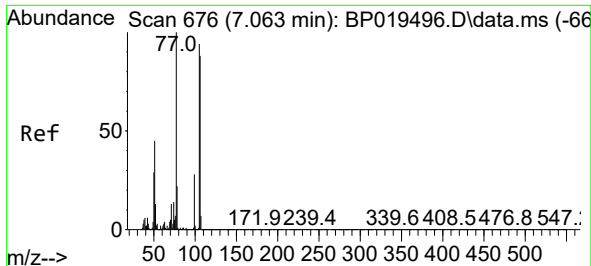
Tgt Ion: 99 Resp: 829449
Ion Ratio Lower Upper
99 100
42 18.5 14.7 22.1
71 43.4 34.8 52.2



#8
2-Chlorophenol
Concen: 7.864 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 128 Resp: 37403
Ion Ratio Lower Upper
128 100
130 32.5 13.3 53.3
64 47.1 29.7 69.7

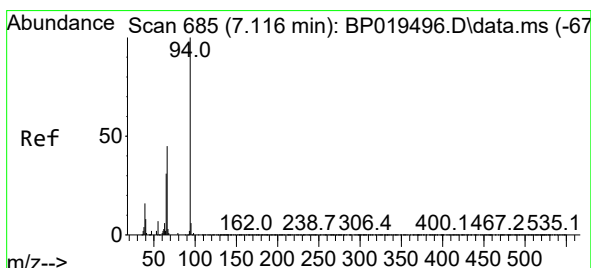
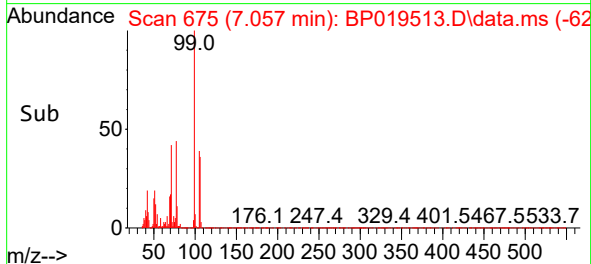
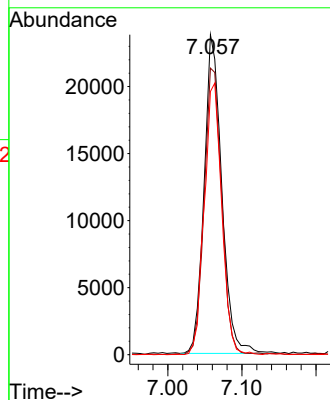
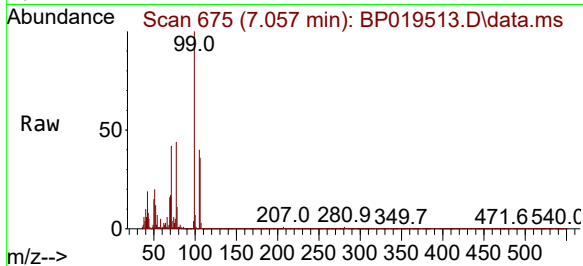




#9
Benzaldehyde
Concen: 9.009 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

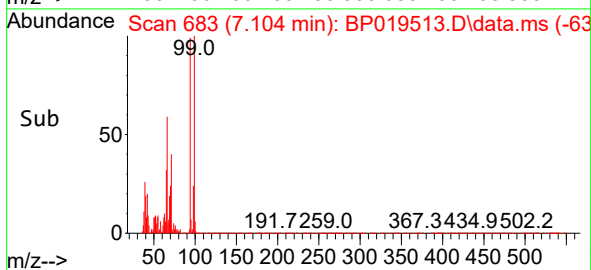
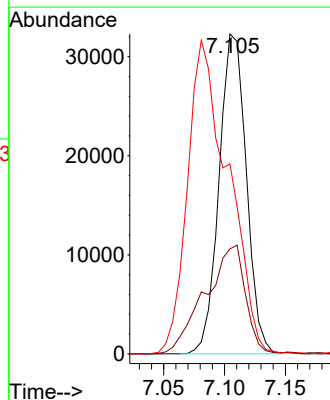
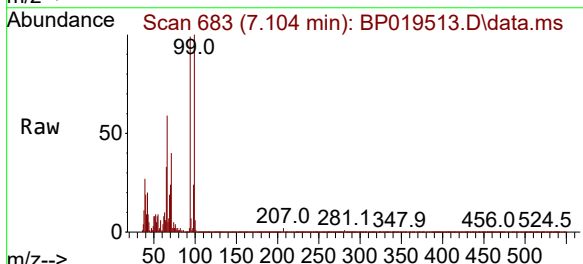
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

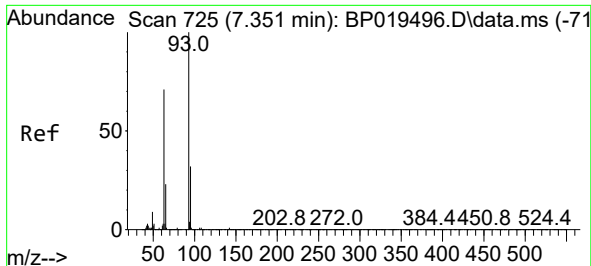
Tgt Ion: 77 Resp: 39457
Ion Ratio Lower Upper
77 100
105 89.5 74.0 114.0
106 82.3 67.8 107.8



#10
Phenol
Concen: 8.074 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 94 Resp: 50272
Ion Ratio Lower Upper
94 100
65 32.9 11.3 51.3
66 59.4 25.1 65.1

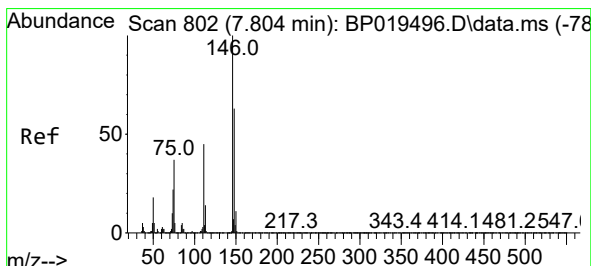
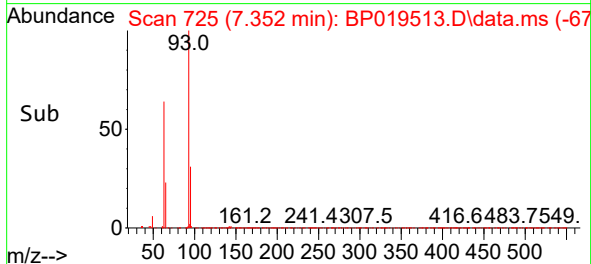
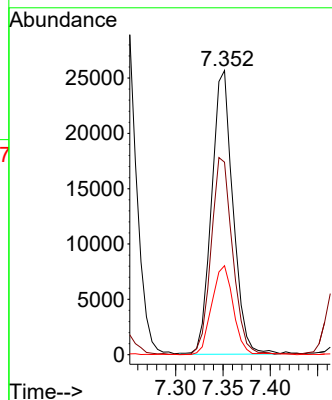
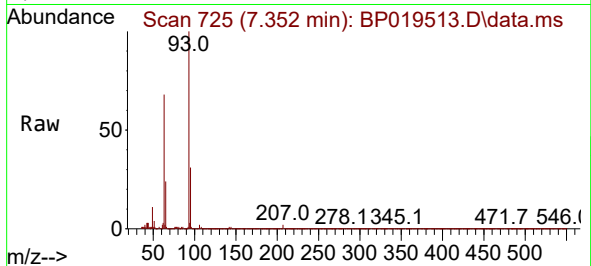




#11
bis(2-Chloroethyl)ether
Concen: 8.296 ng
RT: 7.352 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

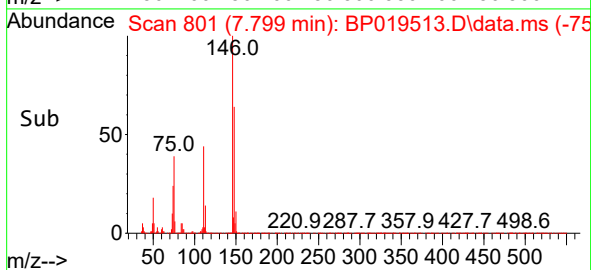
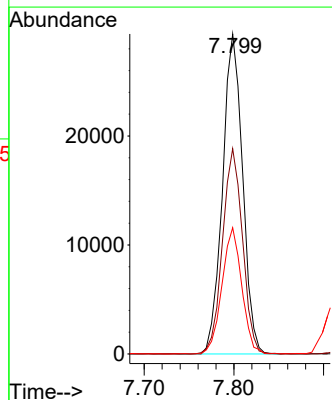
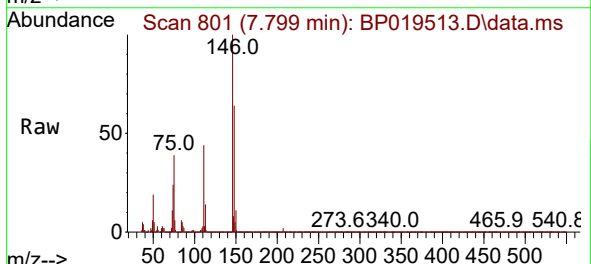
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

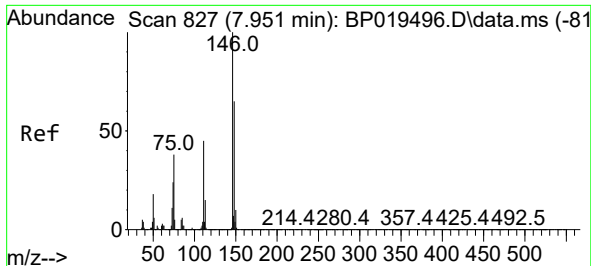
Tgt Ion: 93 Resp: 40185
Ion Ratio Lower Upper
93 100
63 67.7 51.2 91.2
95 31.3 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 7.829 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:146 Resp: 45563
Ion Ratio Lower Upper
146 100
148 64.2 50.4 75.6
75 39.5 29.9 44.9

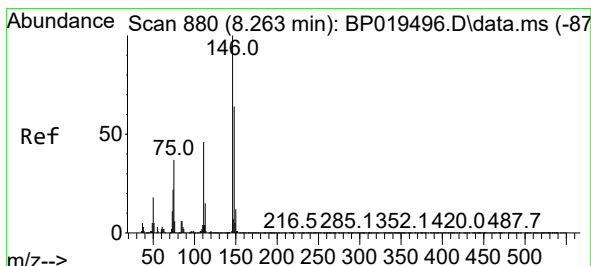
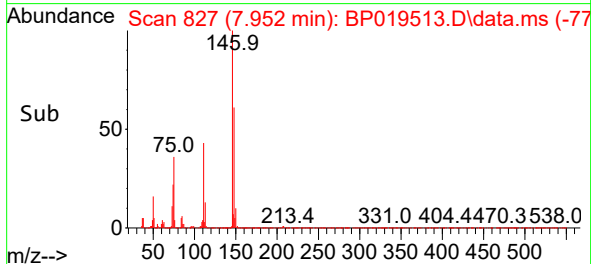
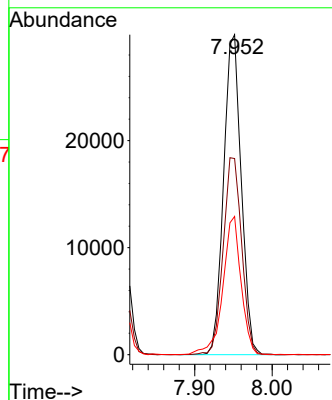
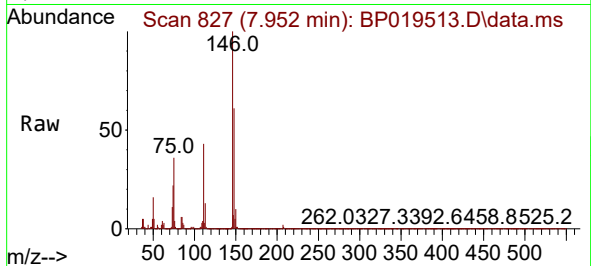




#13
1,4-Dichlorobenzene
Concen: 8.013 ng
RT: 7.952 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

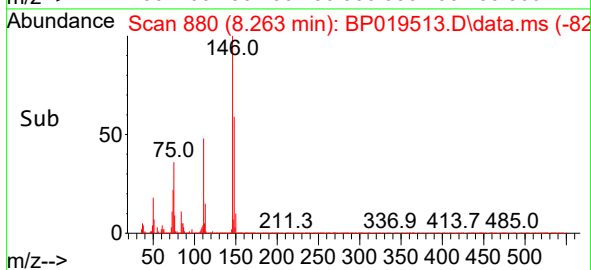
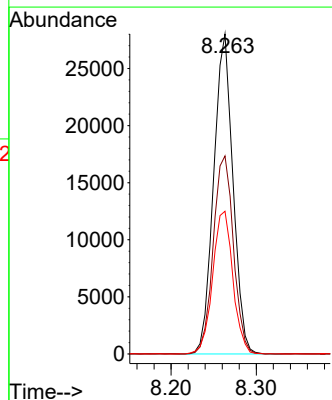
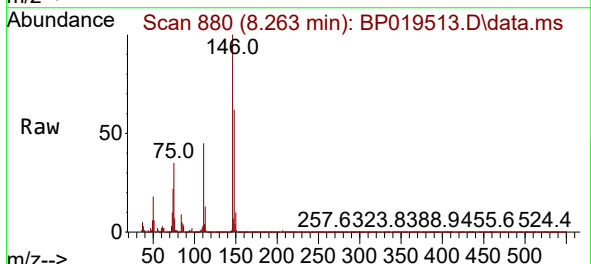
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

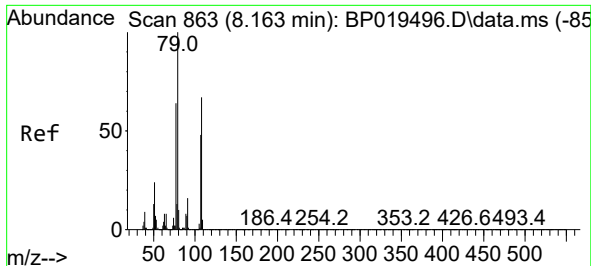
Tgt Ion:146 Resp: 47249
Ion Ratio Lower Upper
146 100
148 61.3 51.9 77.9
111 43.2 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 7.714 ng
RT: 8.263 min Scan# 880
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:146 Resp: 44009
Ion Ratio Lower Upper
146 100
148 61.9 51.4 77.0
111 44.6 37.0 55.6

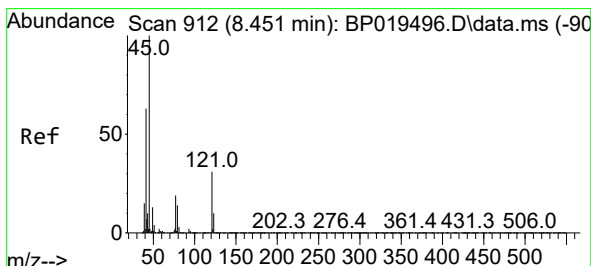
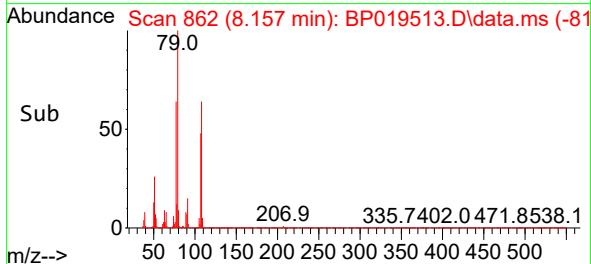
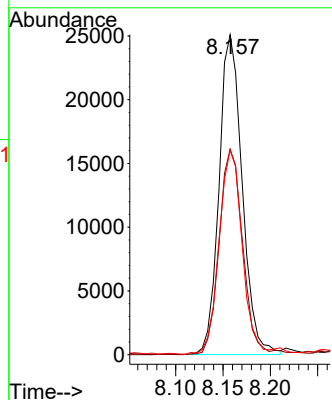
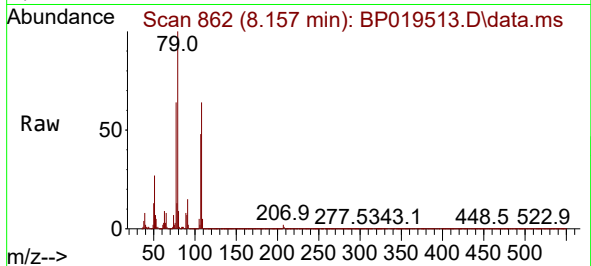




#15
Benzyl Alcohol
Concen: 8.539 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

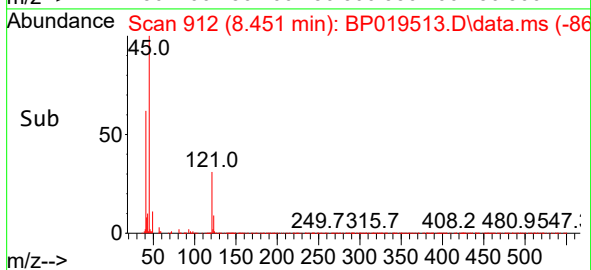
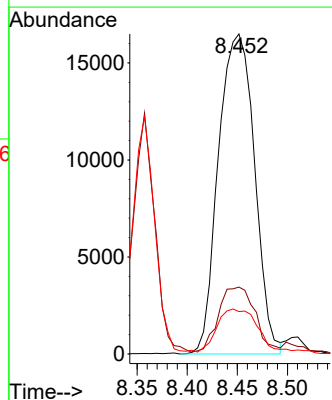
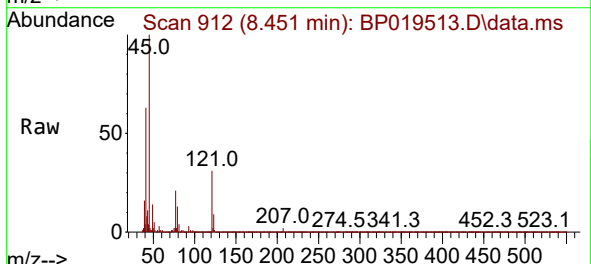
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

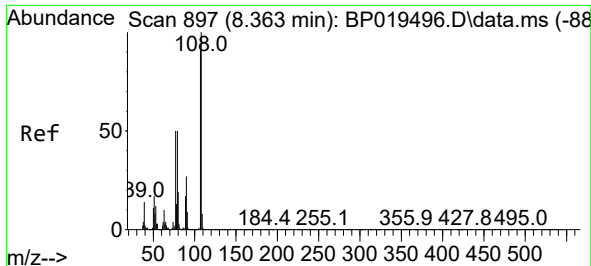
Tgt Ion: 79 Resp: 42619
Ion Ratio Lower Upper
79 100
108 64.2 53.8 80.6
77 63.9 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.533 ng
RT: 8.451 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 45 Resp: 41332
Ion Ratio Lower Upper
45 100
77 20.9 0.8 40.8
79 13.3 0.0 35.5

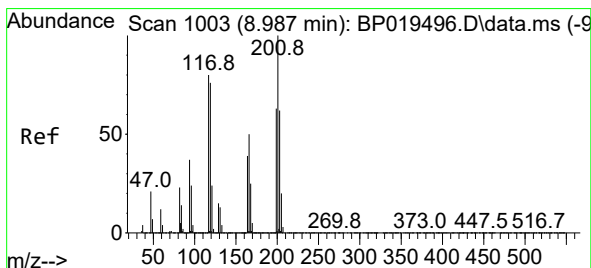
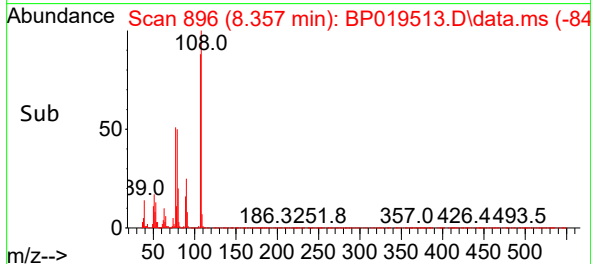
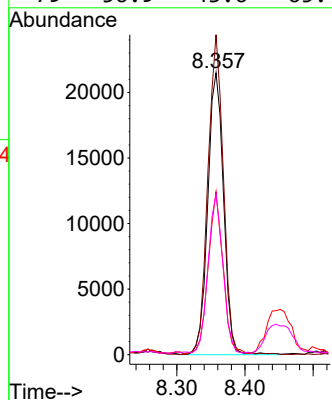
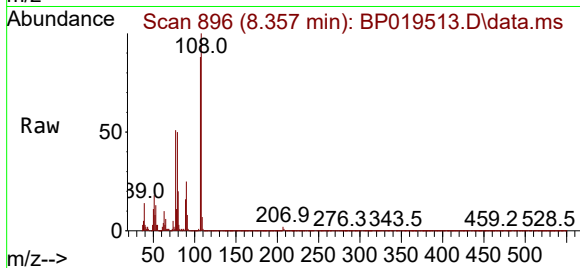




#17
2-Methylphenol
Concen: 8.309 ng
RT: 8.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

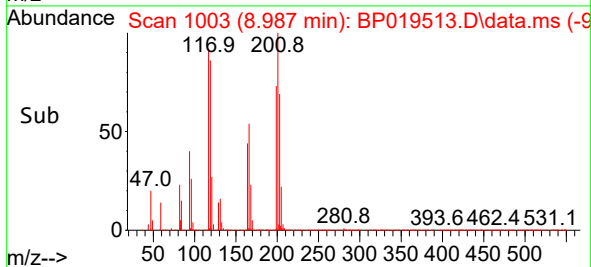
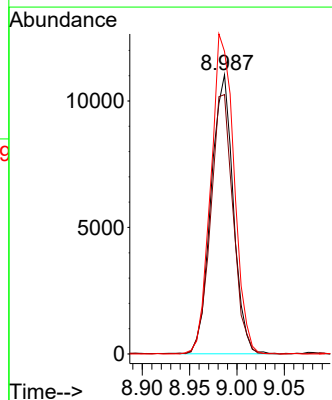
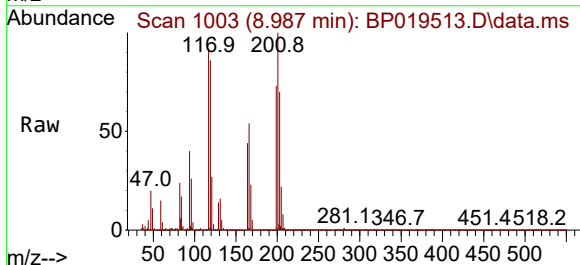
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

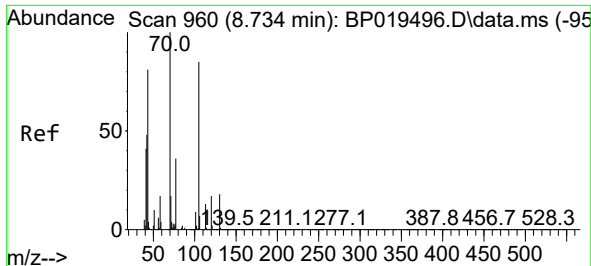
Tgt Ion:	107	Resp:	34828
Ion	Ratio	Lower	Upper
107	100		
108	113.5	87.0	130.6
77	57.8	43.5	65.3
79	56.9	43.6	65.4



#18
Hexachloroethane
Concen: 7.861 ng
RT: 8.987 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:	117	Resp:	17967
Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.5	113.3
201	108.4	99.4	149.2

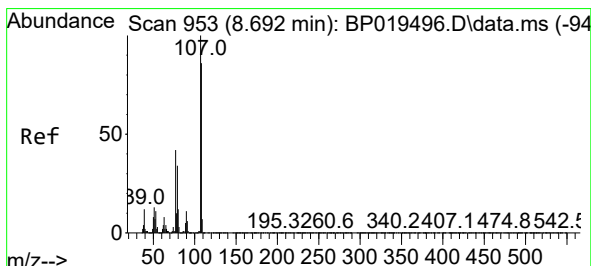
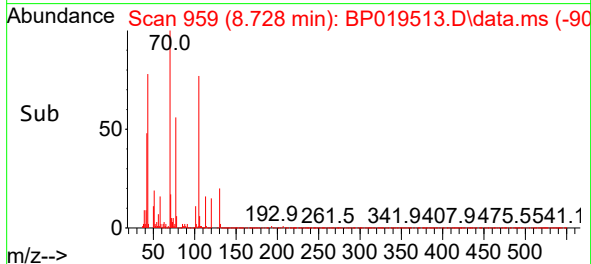
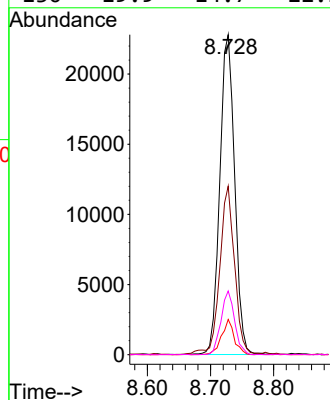
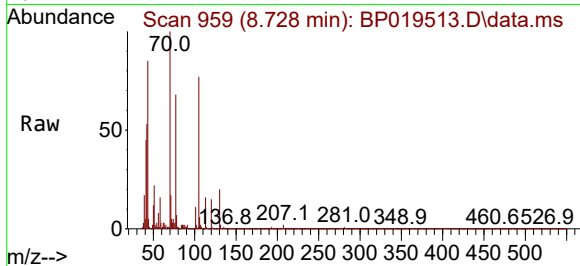




#19
n-Nitroso-di-n-propylamine
Concen: 8.740 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

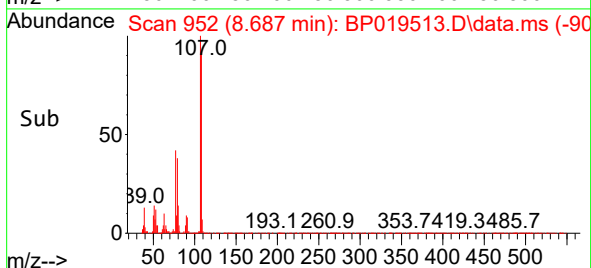
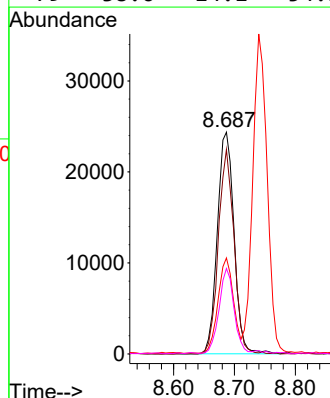
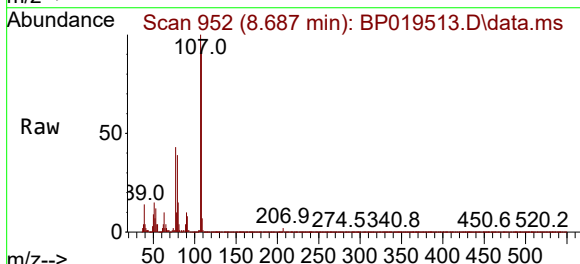
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

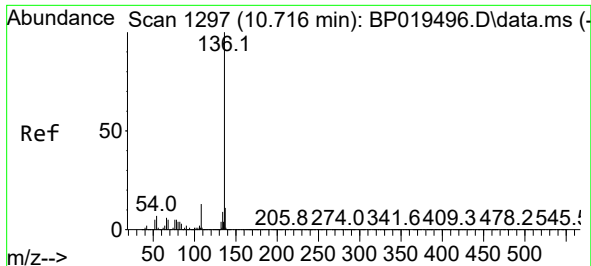
Tgt Ion: 70	Resp:	37294
Ion	Ratio	Lower Upper
70	100	
42	52.6	39.2 58.8
101	11.0	7.3 10.9
130	19.9	14.7 22.1



#20
3+4-Methylphenols
Concen: 8.108 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 107	Resp:	46384
Ion	Ratio	Lower Upper
107	100	
108	92.2	65.5 105.5
77	43.3	21.8 61.8
79	38.6	14.1 54.1

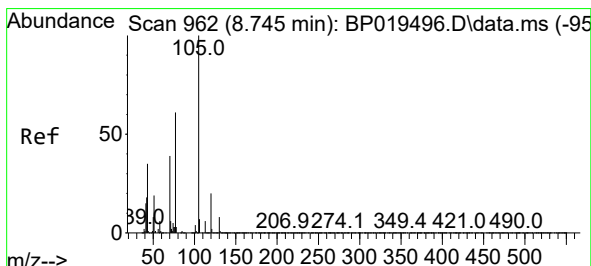
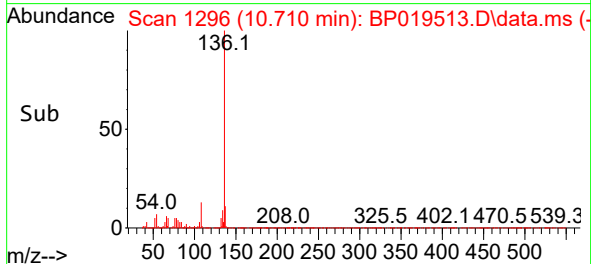
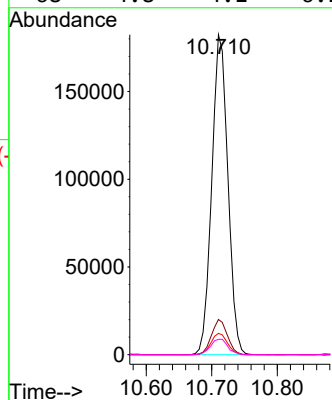
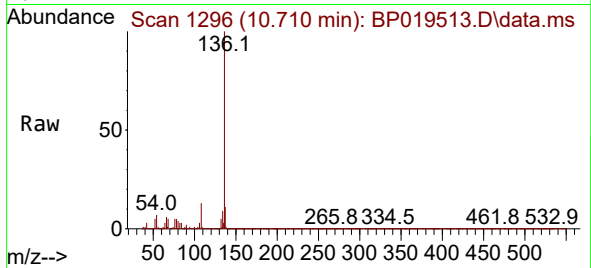




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

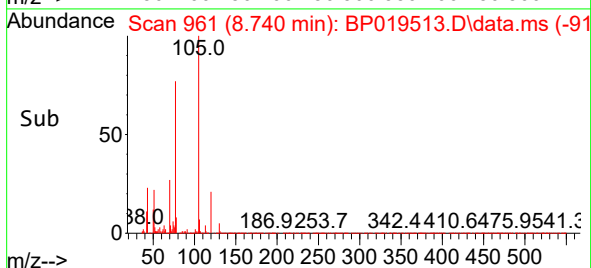
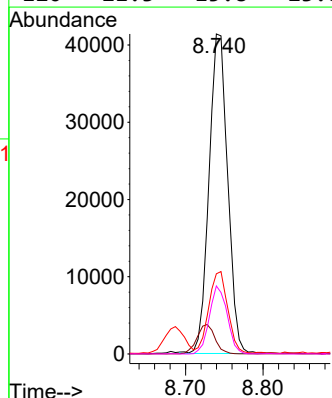
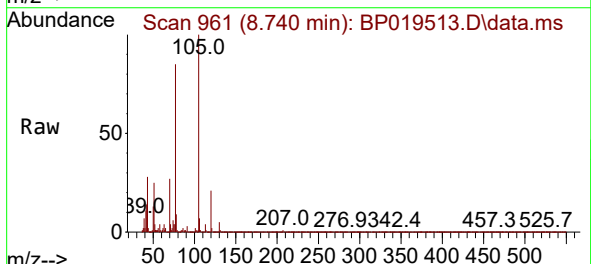
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

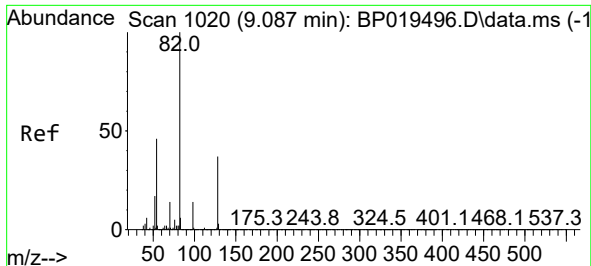
Tgt Ion:136 Resp: 310415
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.3 7.9
68 4.8 4.1 6.1



#22
Acetophenone
Concen: 7.814 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:105 Resp: 69101
Ion Ratio Lower Upper
105 100
71 3.9 4.9 7.3#
51 25.1 20.7 31.1
120 21.3 15.8 23.8





#23

Nitrobenzene-d5

Concen: 79.303 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

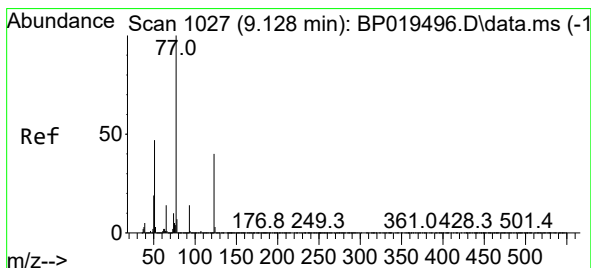
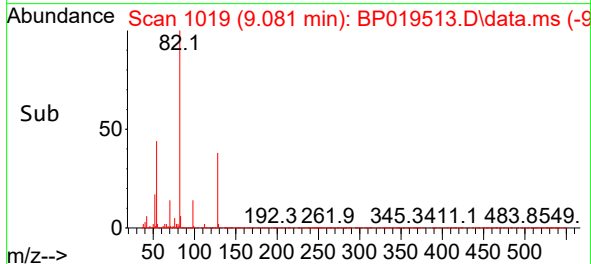
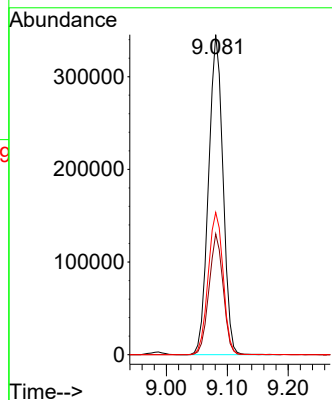
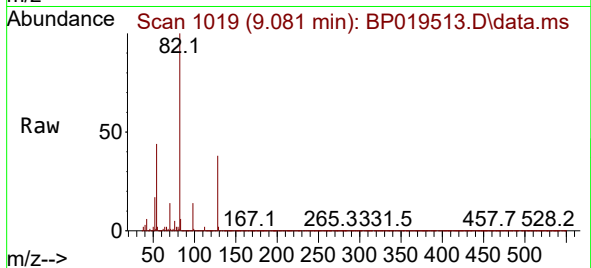
Tgt Ion: 82 Resp: 568109

Ion Ratio Lower Upper

82 100

128 37.7 29.7 44.5

54 44.5 36.8 55.2



#24

Nitrobenzene

Concen: 7.519 ng

RT: 9.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

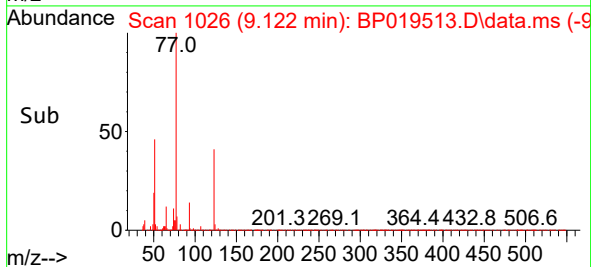
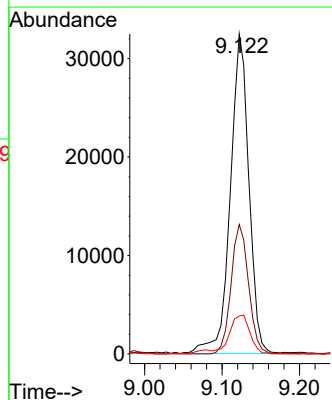
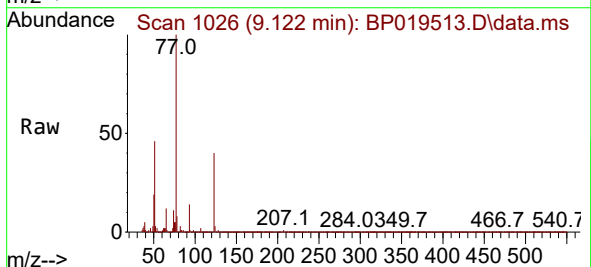
Tgt Ion: 77 Resp: 54230

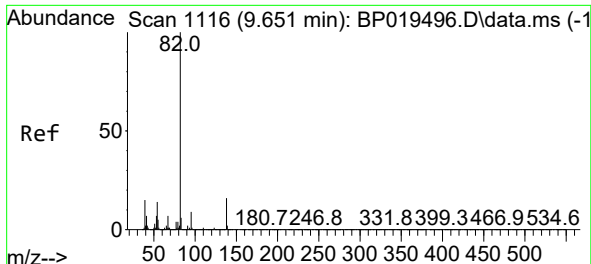
Ion Ratio Lower Upper

77 100

123 40.5 32.3 48.5

65 11.8 11.6 17.4

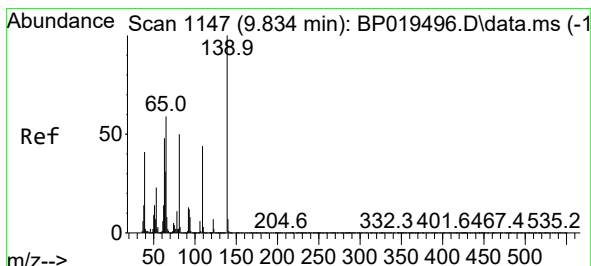
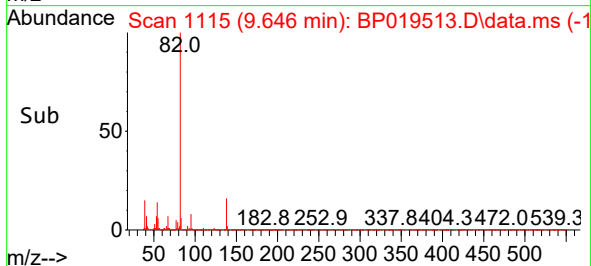
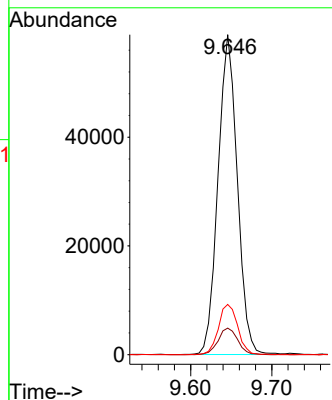
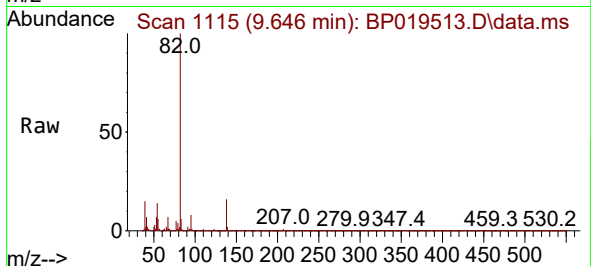




#25
Isophorone
Concen: 7.797 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

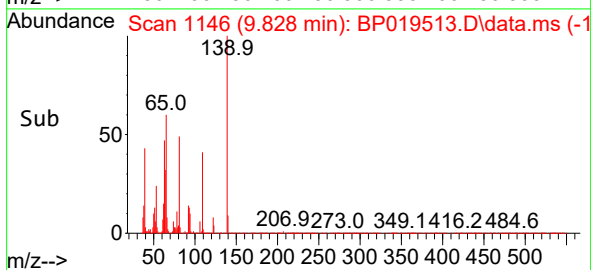
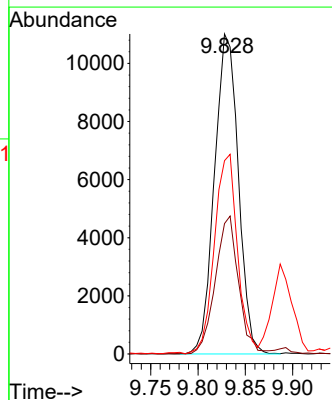
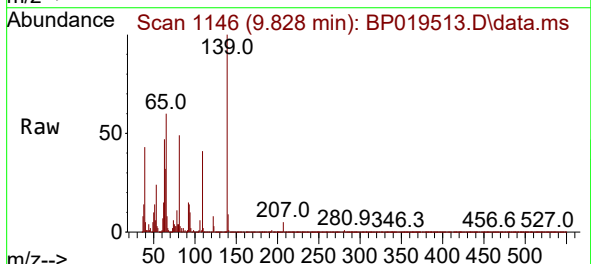
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

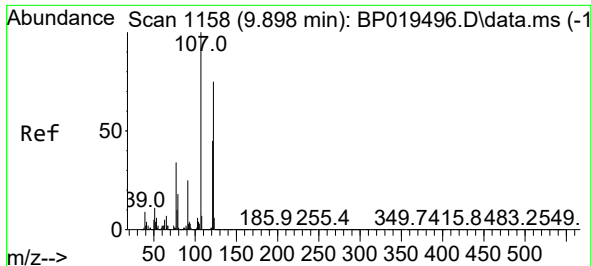
Tgt Ion: 82 Resp: 97280
Ion Ratio Lower Upper
82 100
95 8.3 7.0 10.4
138 15.7 13.1 19.7



#26
2-Nitrophenol
Concen: 7.022 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion: 139 Resp: 19311
Ion Ratio Lower Upper
139 100
109 40.8 34.9 52.3
65 60.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 9.206 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

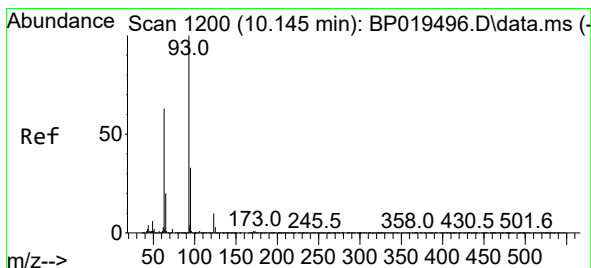
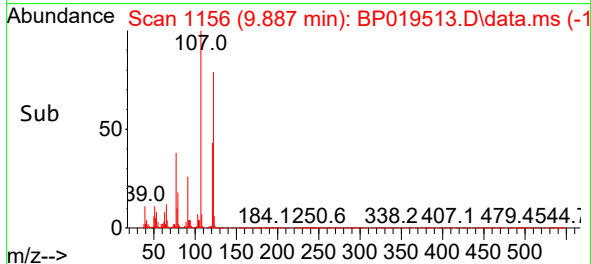
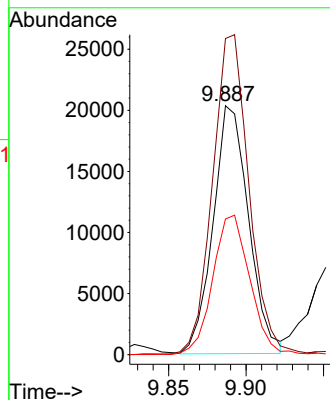
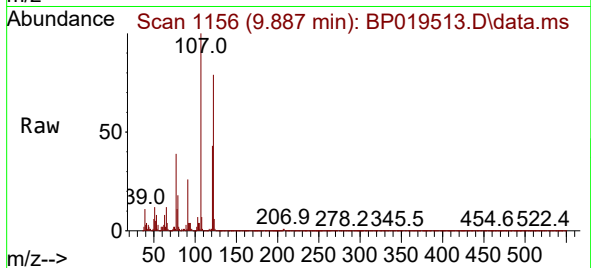
Tgt Ion:122 Resp: 32373

Ion Ratio Lower Upper

122 100

107 127.0 105.9 158.9

121 54.5 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 7.965 ng

RT: 10.140 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

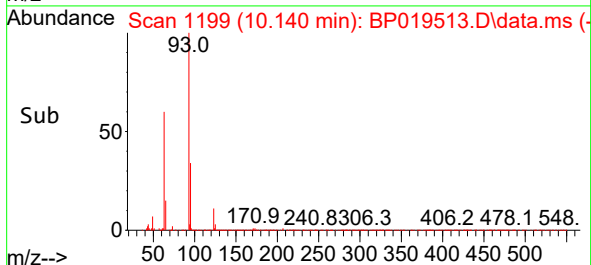
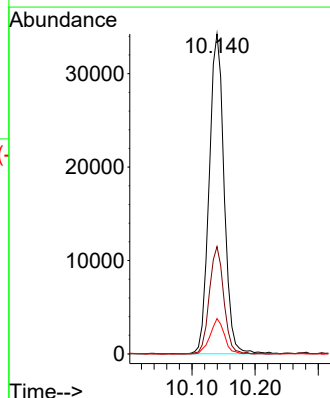
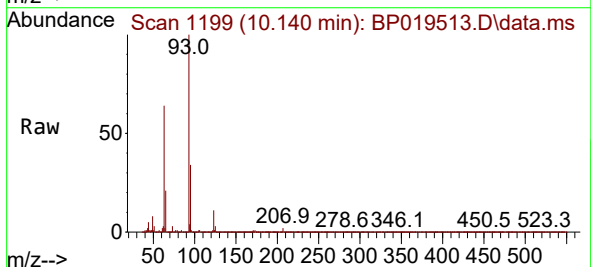
Tgt Ion: 93 Resp: 56222

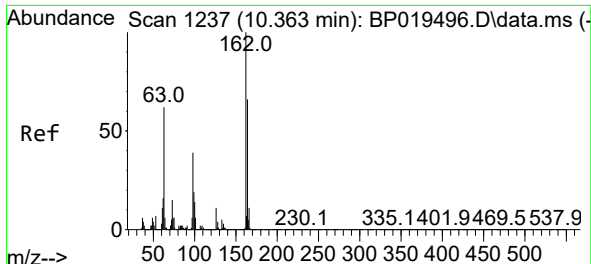
Ion Ratio Lower Upper

93 100

95 33.6 26.2 39.4

123 11.0 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 7.499 ng

RT: 10.357 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

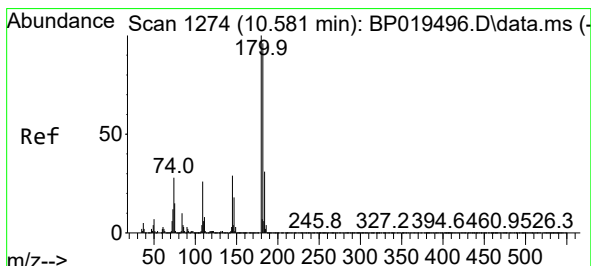
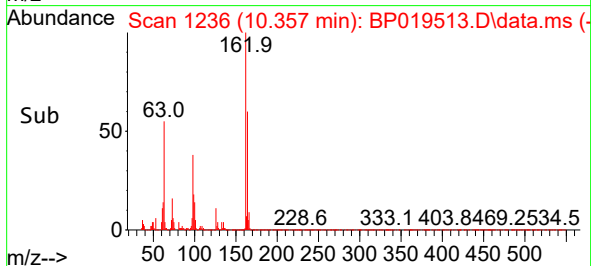
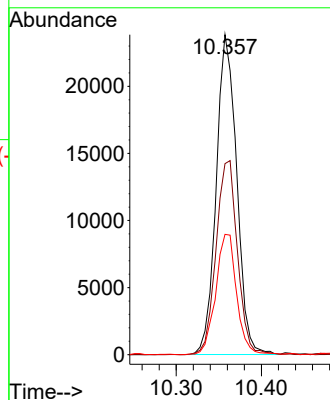
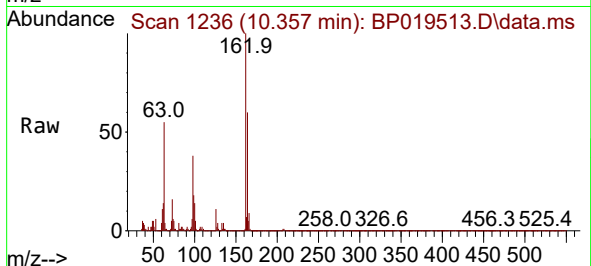
Tgt Ion:162 Resp: 39862

Ion Ratio Lower Upper

162 100

164 59.7 46.0 86.0

98 37.6 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 7.265 ng

RT: 10.575 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

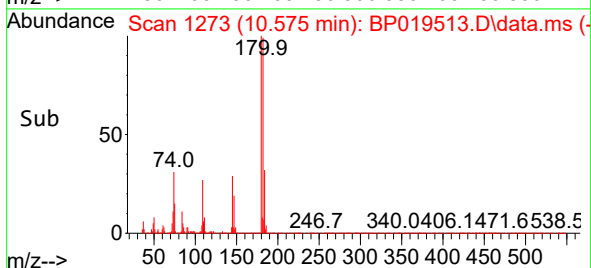
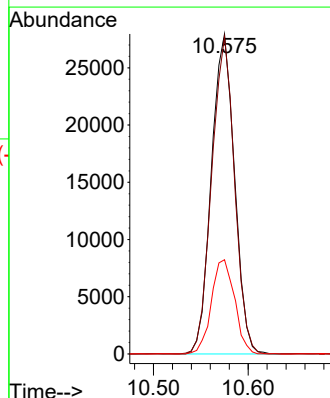
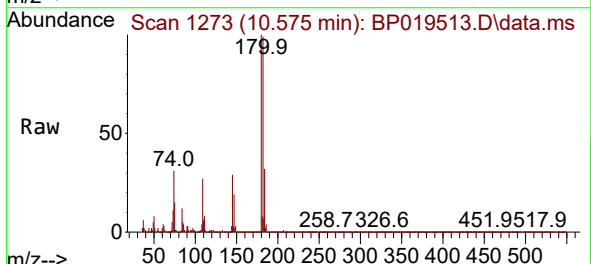
Tgt Ion:180 Resp: 47351

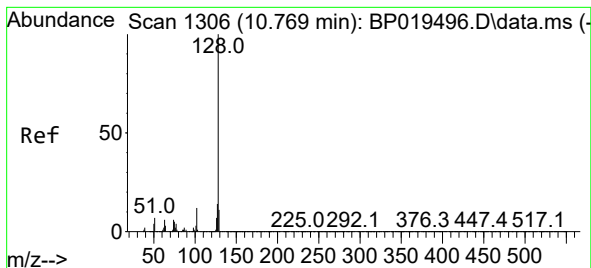
Ion Ratio Lower Upper

180 100

182 99.1 77.0 115.6

145 29.4 23.2 34.8

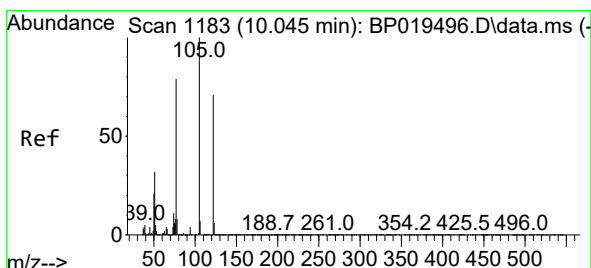
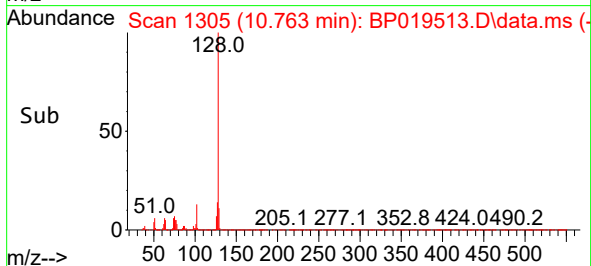
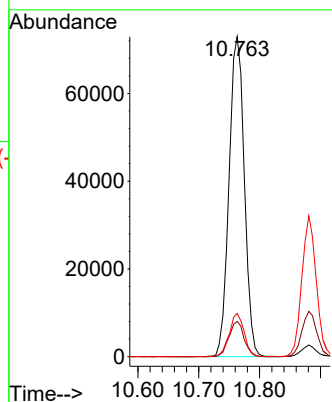
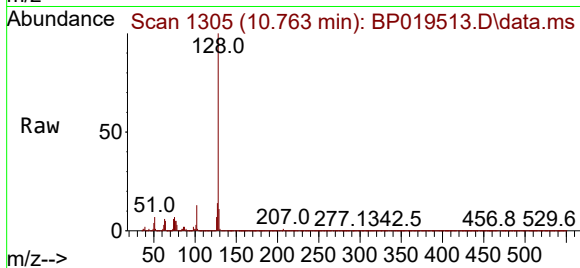




#31
Naphthalene
Concen: 7.457 ng
RT: 10.763 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

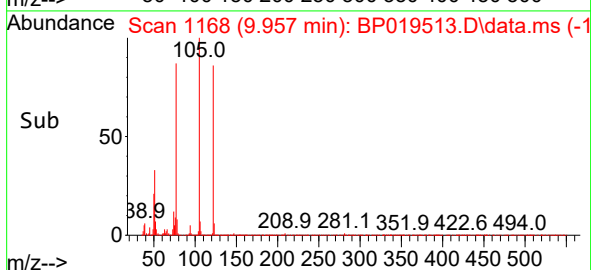
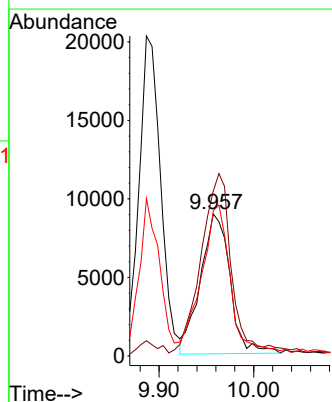
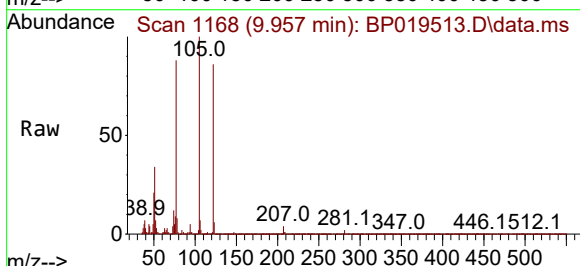
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

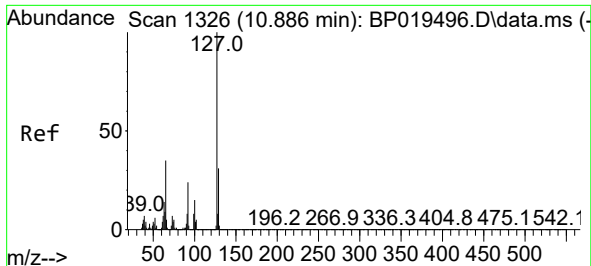
Tgt Ion:128 Resp: 126950
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 5.621 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.088 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:122 Resp: 19260
Ion Ratio Lower Upper
122 100
105 116.3 118.8 158.8#
77 102.3 91.7 131.7

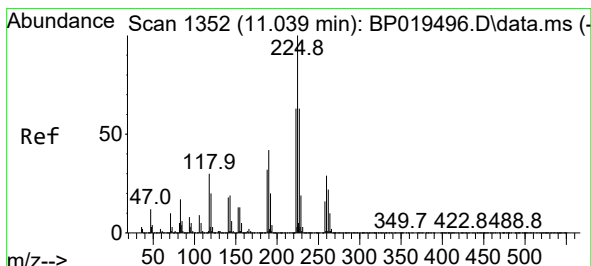
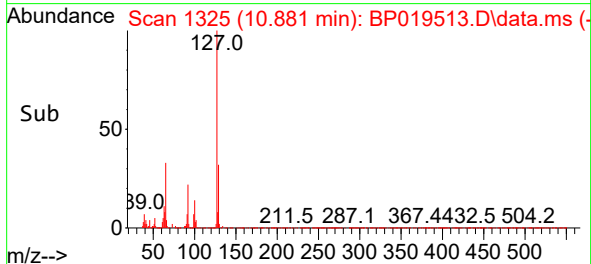
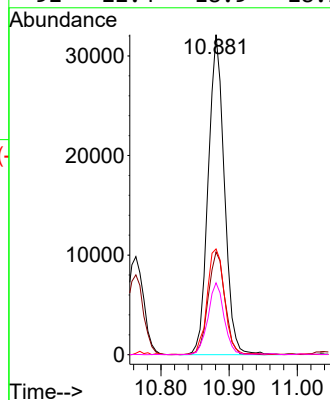
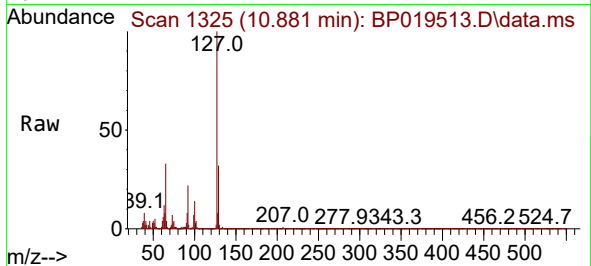




#33
4-Chloroaniline
Concen: 8.417 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

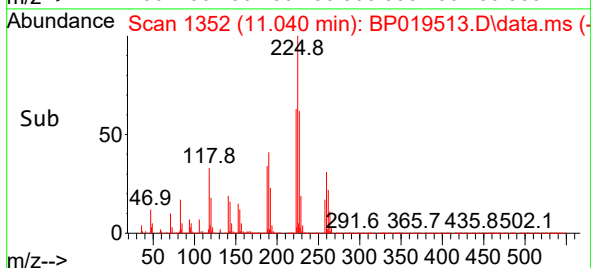
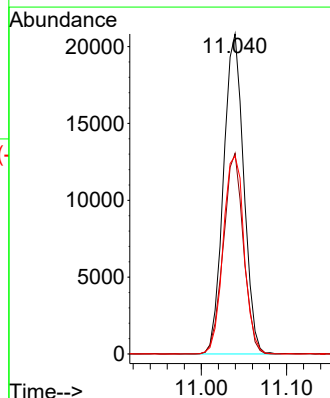
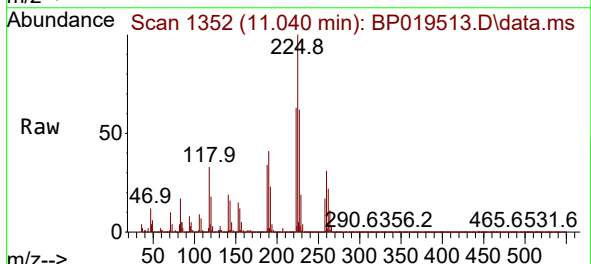
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

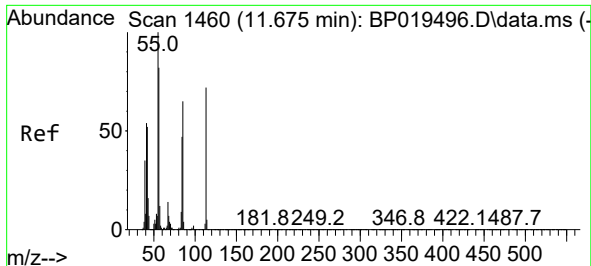
Tgt Ion:	127	Resp:	52995
Ion	Ratio	Lower	Upper
127	100		
129	32.1	24.6	36.8
65	33.0	28.2	42.4
92	22.4	18.9	28.3



#34
Hexachlorobutadiene
Concen: 7.108 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:	225	Resp:	34330
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7
227	61.9	50.2	75.2

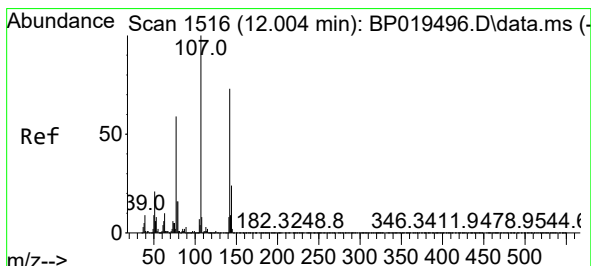
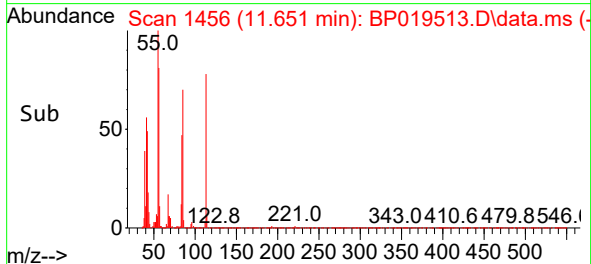
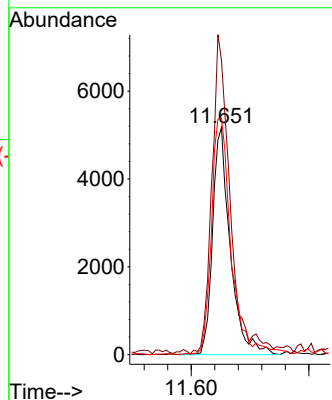
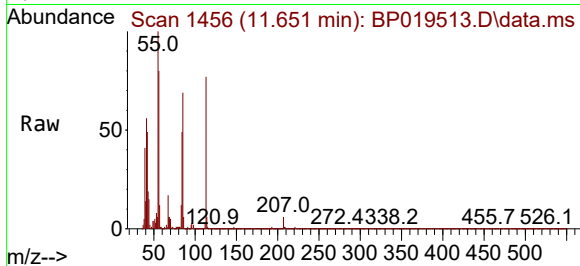




#35
 Caprolactam
 Concen: 7.155 ng
 RT: 11.651 min Scan# 1460
 Delta R.T. -0.023 min
 Lab File: BP019513.D
 Acq: 01 Feb 2024 18:47

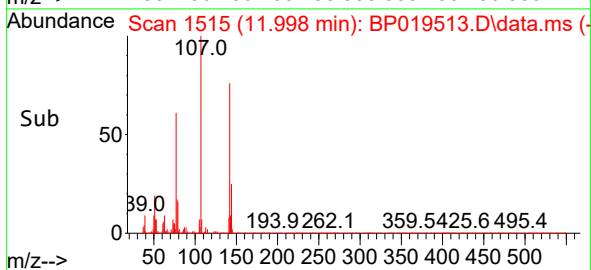
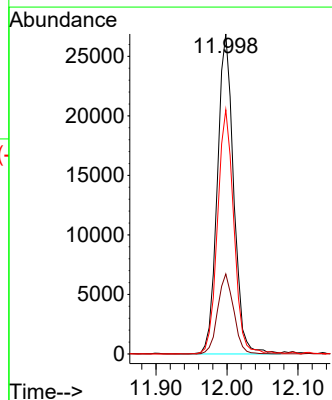
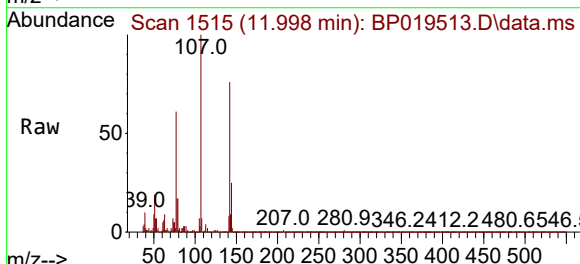
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

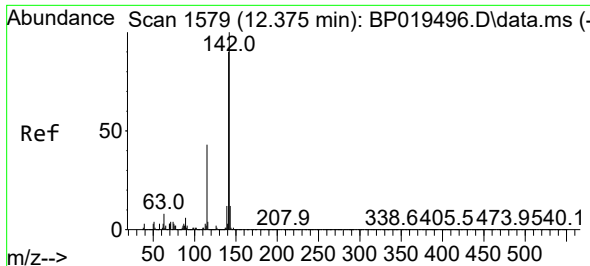
Tgt Ion:113 Resp: 10767
 Ion Ratio Lower Upper
 113 100
 55 129.6 120.0 160.0
 56 104.1 94.0 134.0



#36
 4-Chloro-3-methylphenol
 Concen: 7.385 ng
 RT: 11.998 min Scan# 1515
 Delta R.T. -0.006 min
 Lab File: BP019513.D
 Acq: 01 Feb 2024 18:47

Tgt Ion:107 Resp: 42809
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.0 28.4
 142 76.3 58.6 88.0

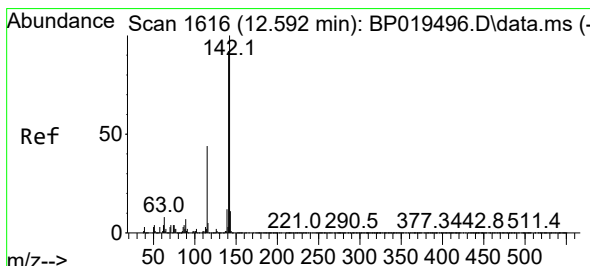
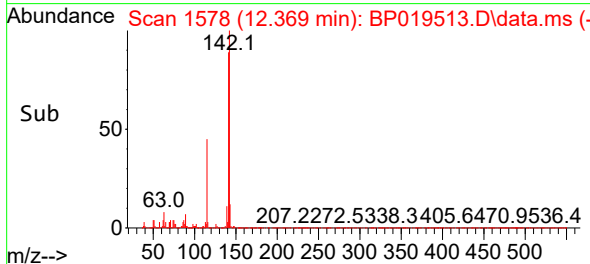
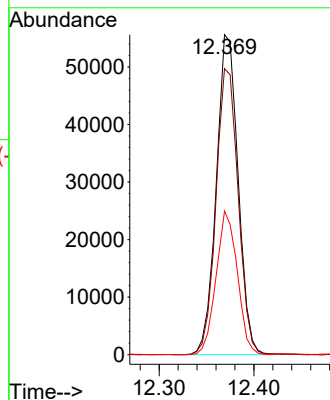
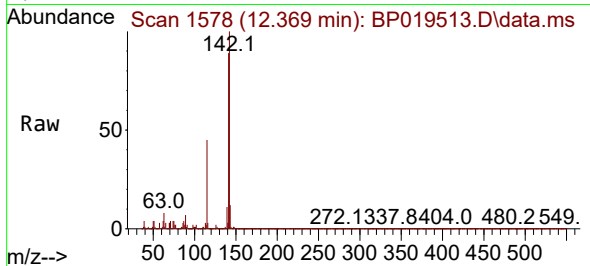




#37
2-Methylnaphthalene
Concen: 7.554 ng
RT: 12.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

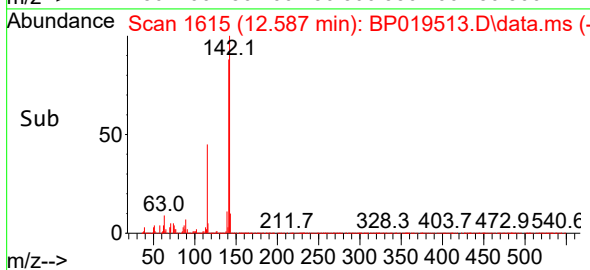
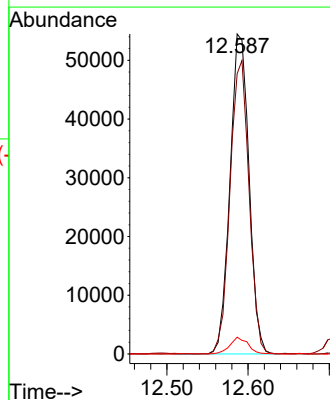
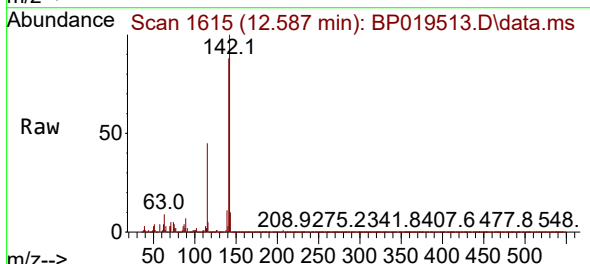
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

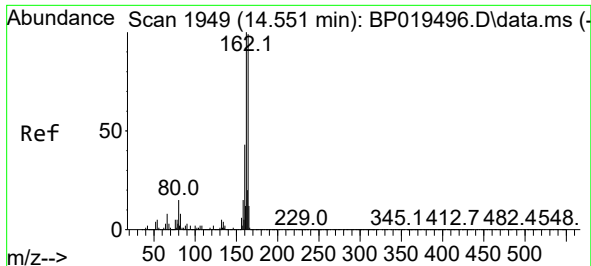
Tgt Ion:142 Resp: 89006
Ion Ratio Lower Upper
142 100
141 89.4 72.2 108.4
115 44.9 34.2 51.2



#38
1-Methylnaphthalene
Concen: 7.642 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:142 Resp: 88481
Ion Ratio Lower Upper
142 100
141 87.6 74.0 111.0
116 5.2 3.7 5.5

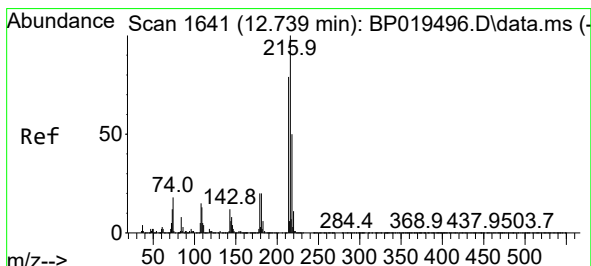
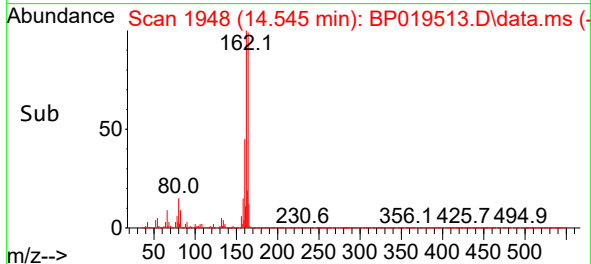
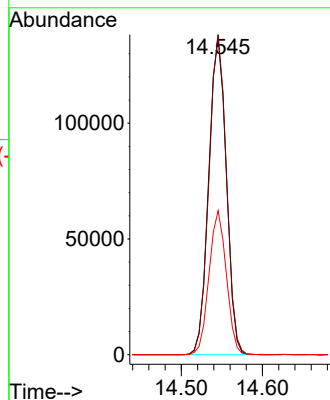
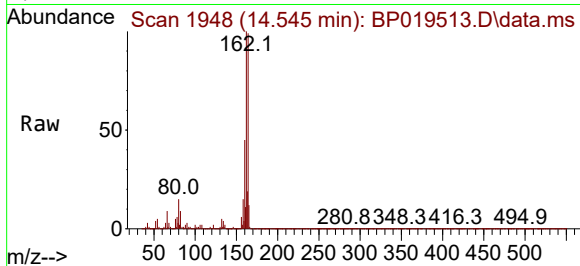




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

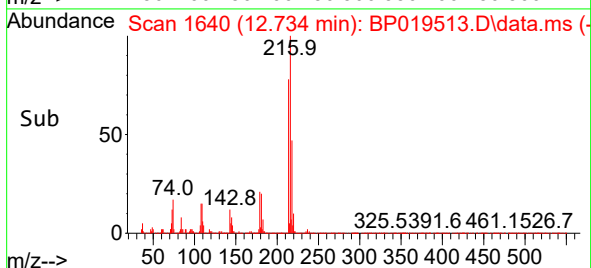
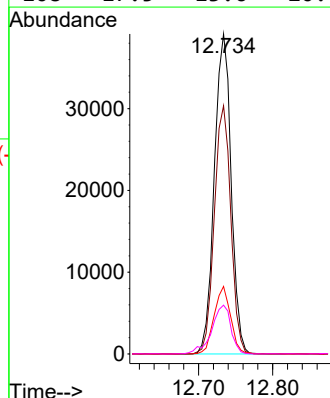
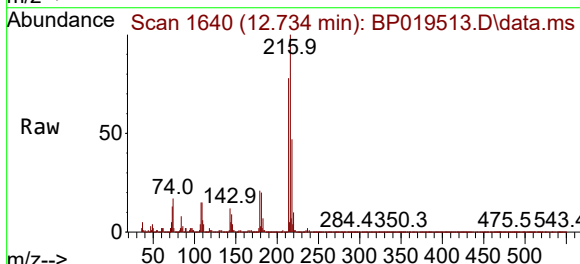
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

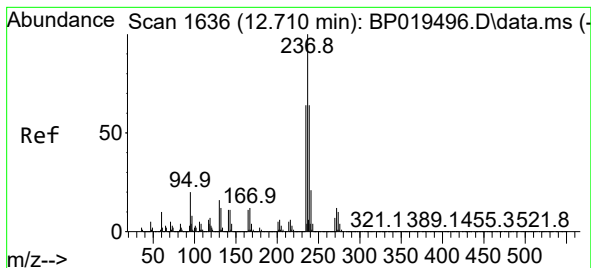
Tgt Ion:164 Resp: 205900
Ion Ratio Lower Upper
164 100
162 101.2 81.2 121.8
160 45.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.743 ng
RT: 12.734 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:216 Resp: 61483
Ion Ratio Lower Upper
216 100
214 76.2 62.8 94.2
179 20.8 16.6 24.8
108 17.5 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 9.510 ng

RT: 12.710 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

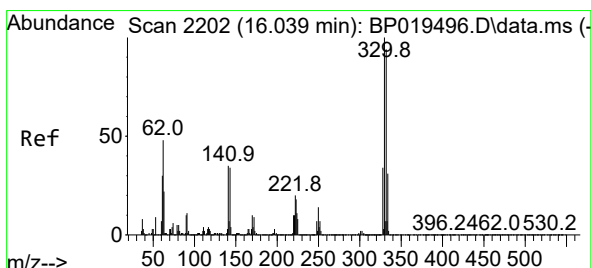
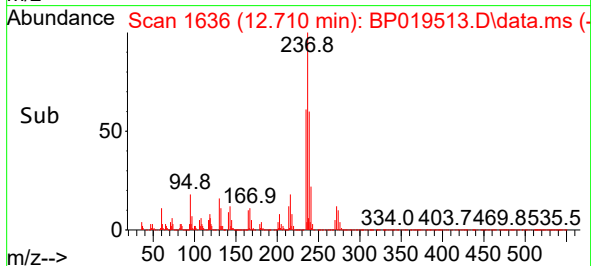
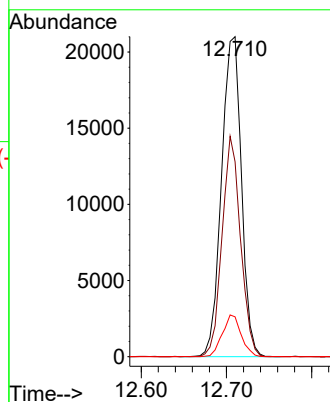
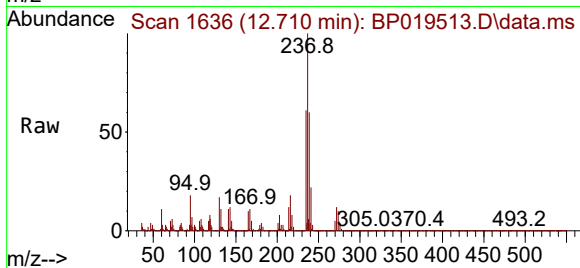
Tgt Ion:237 Resp: 34113

Ion Ratio Lower Upper

237 100

235 60.9 43.7 83.7

272 12.5 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 125.498 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

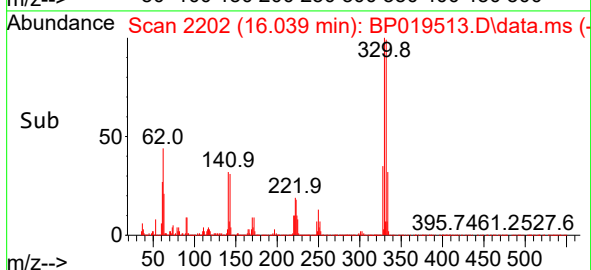
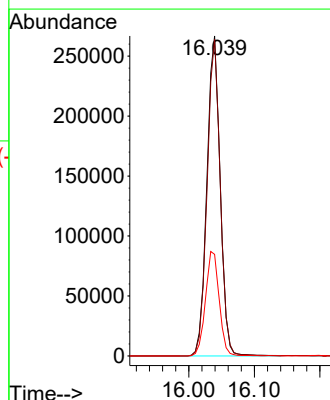
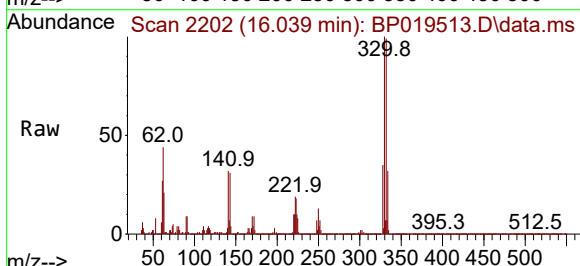
Tgt Ion:330 Resp: 377282

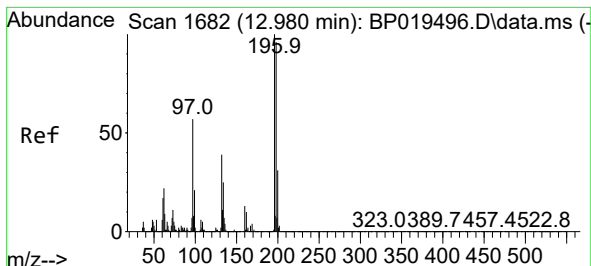
Ion Ratio Lower Upper

330 100

332 97.5 77.2 115.8

141 33.7 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 6.999 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

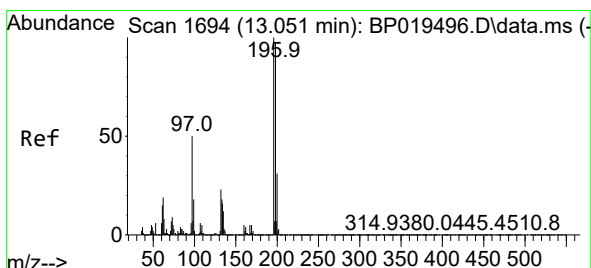
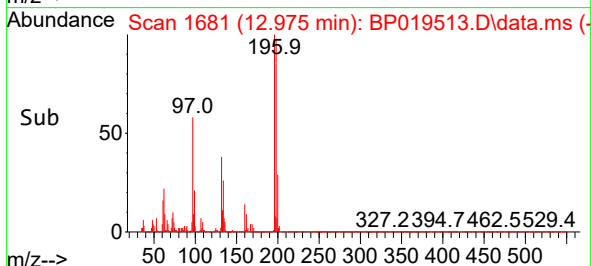
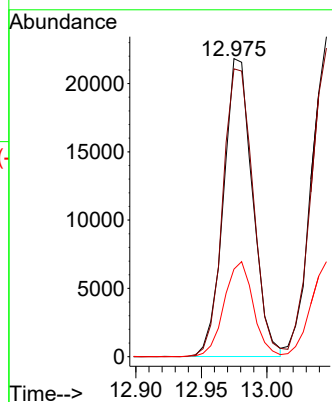
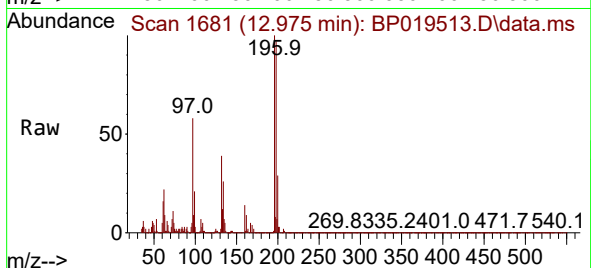
Tgt Ion:196 Resp: 33653

Ion Ratio Lower Upper

196 100

198 96.5 76.7 115.1

200 29.3 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 7.051 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Tgt Ion:196 Resp: 37227

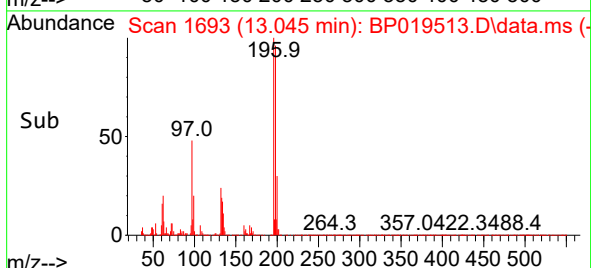
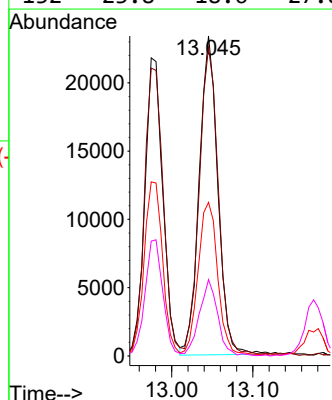
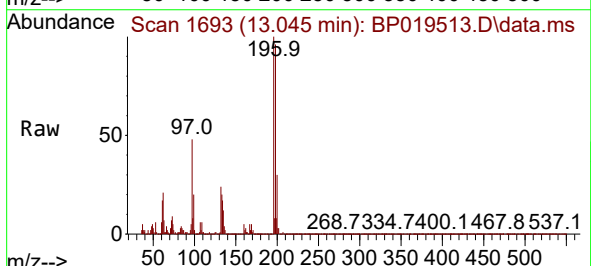
Ion Ratio Lower Upper

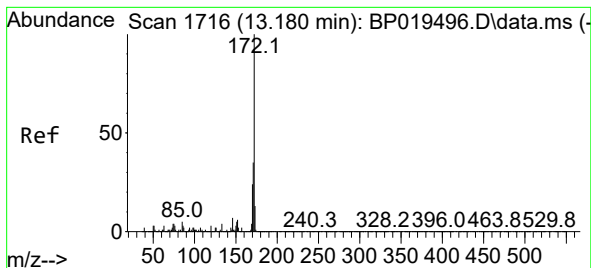
196 100

198 96.4 77.5 116.3

97 48.0 39.9 59.9

132 23.8 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 78.341 ng

RT: 13.175 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

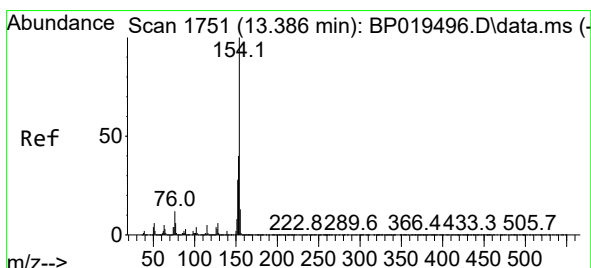
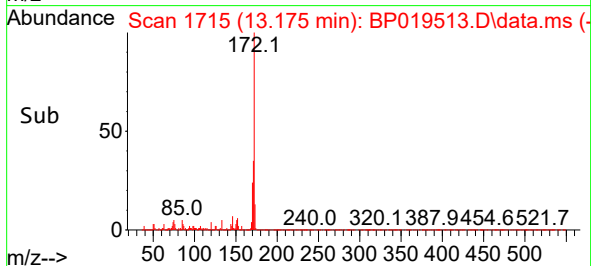
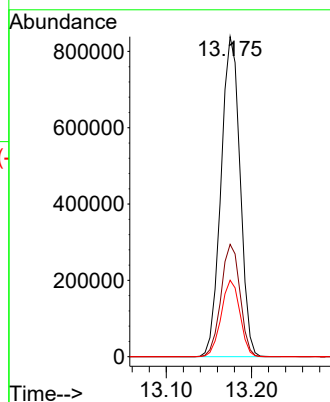
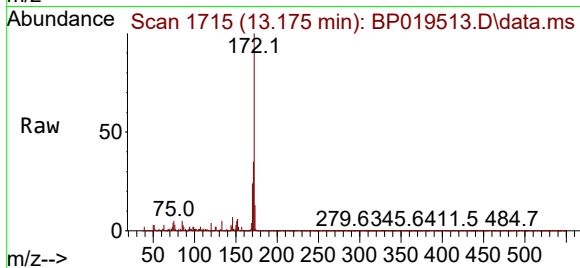
Tgt Ion:172 Resp: 1304801

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.9 18.9 28.3



#46

1,1'-Biphenyl

Concen: 7.603 ng

RT: 13.387 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

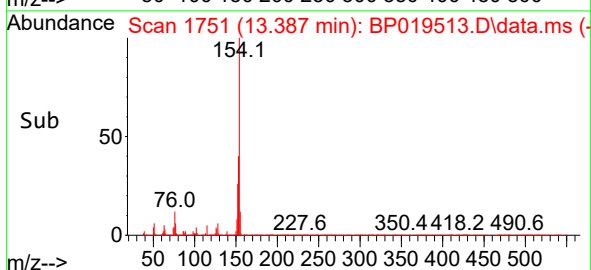
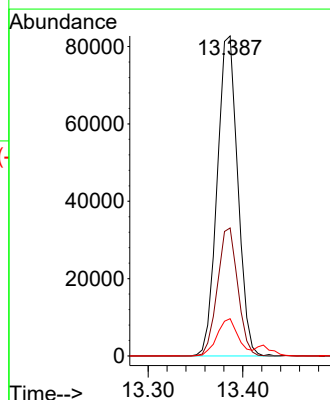
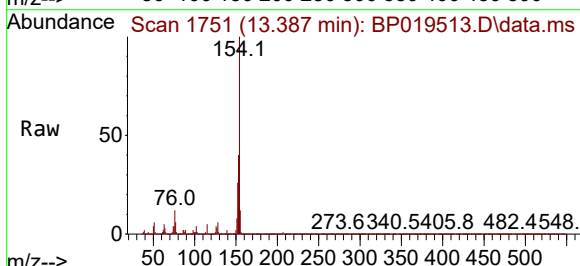
Tgt Ion:154 Resp: 124937

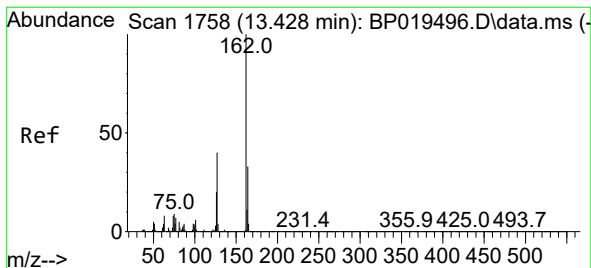
Ion Ratio Lower Upper

154 100

153 40.0 20.2 60.2

76 11.7 0.0 31.6





#47

2-Chloronaphthalene

Concen: 7.322 ng

RT: 13.422 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

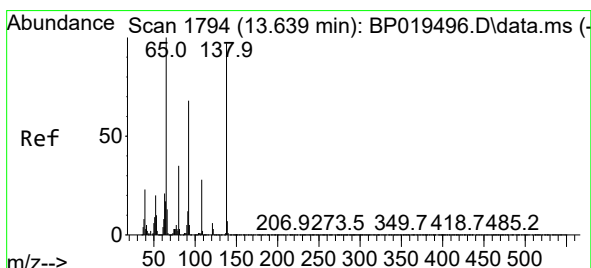
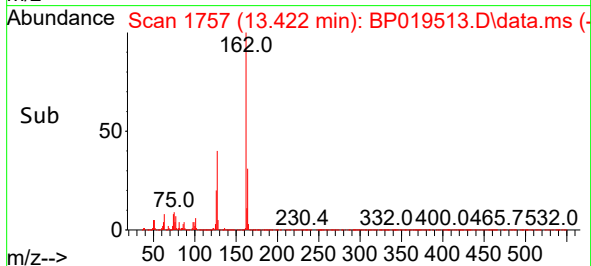
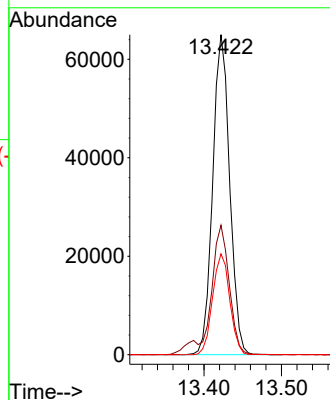
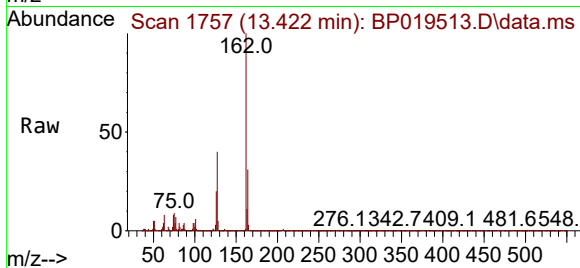
Tgt Ion:162 Resp: 98774

Ion Ratio Lower Upper

162 100

127 40.5 32.1 48.1

164 31.5 26.7 40.1



#48

2-Nitroaniline

Concen: 6.737 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

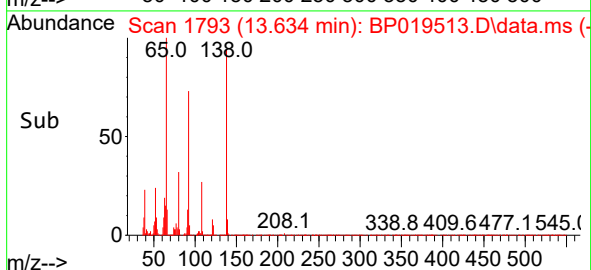
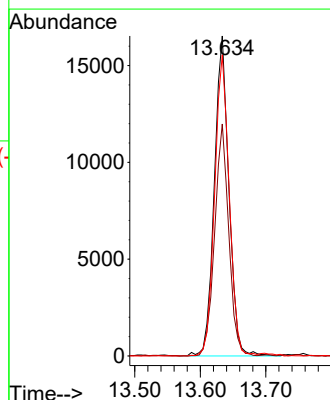
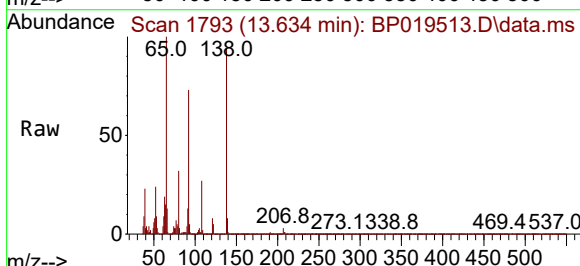
Tgt Ion: 65 Resp: 25414

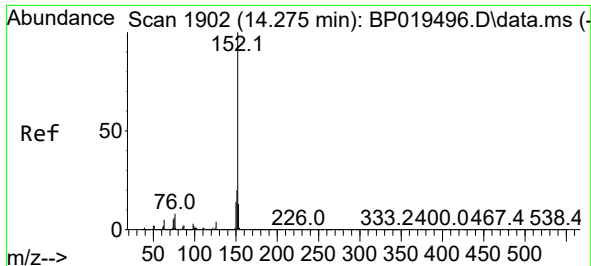
Ion Ratio Lower Upper

65 100

92 72.5 54.7 82.1

138 94.1 77.8 116.6

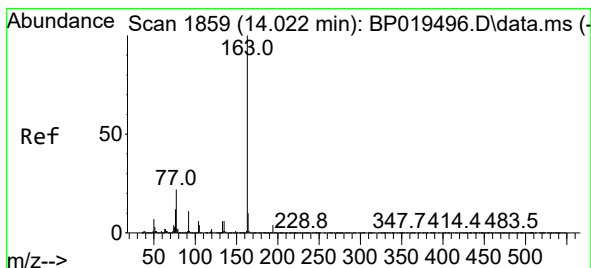
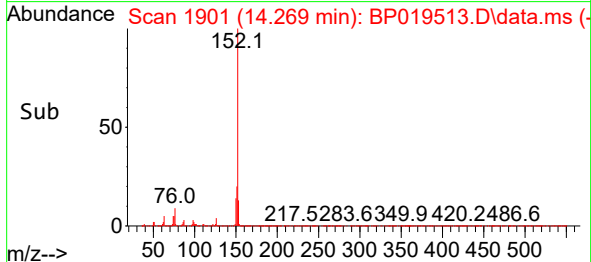
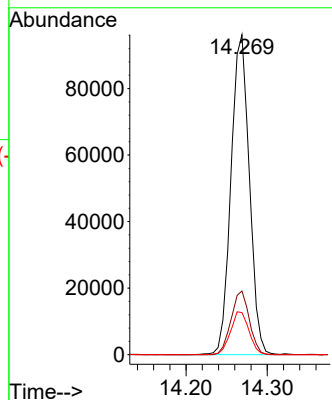
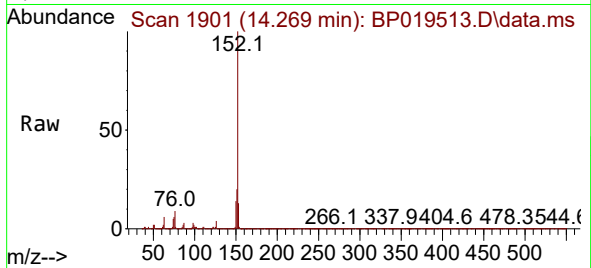




#49
Acenaphthylene
Concen: 7.962 ng
RT: 14.269 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

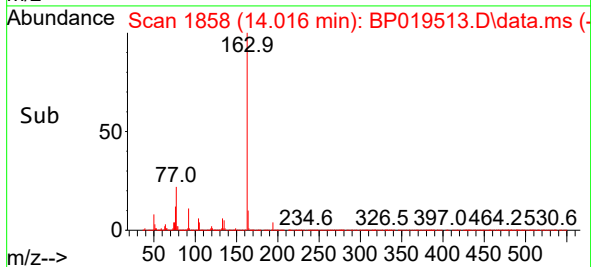
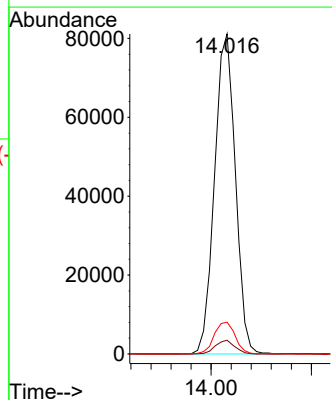
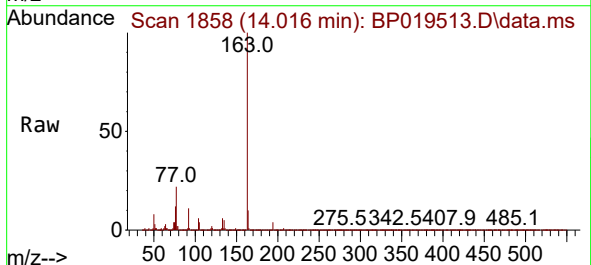
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

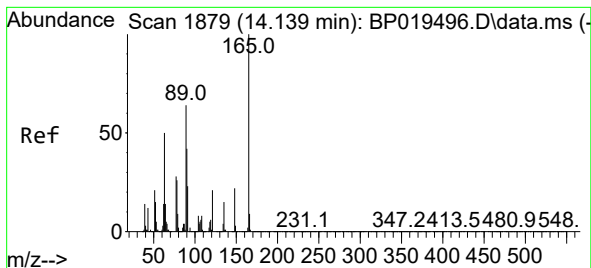
Tgt Ion:152 Resp: 150697
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 7.415 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:163 Resp: 116884
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.0 7.8 11.6

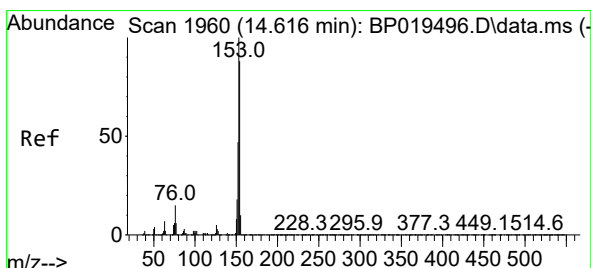
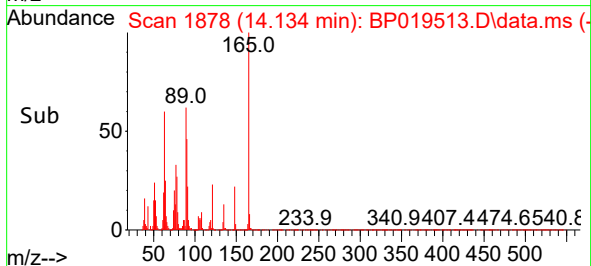
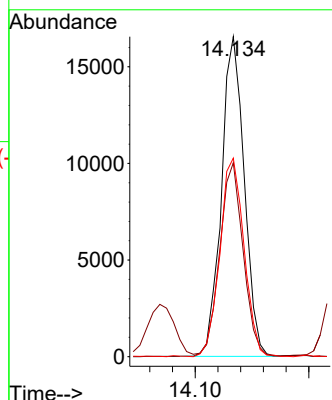
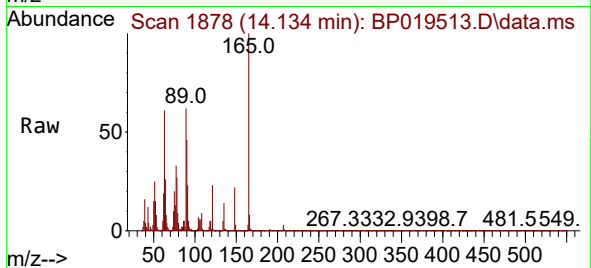




#51
2,6-Dinitrotoluene
Concen: 6.664 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

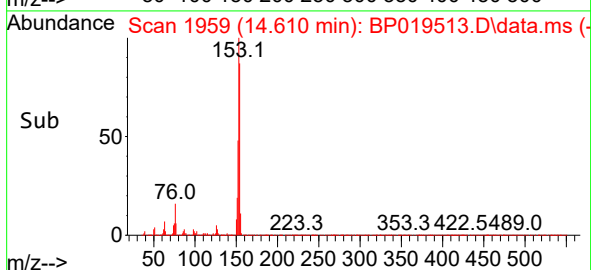
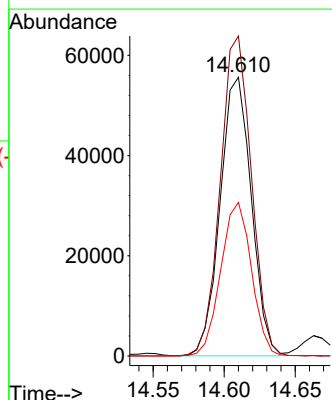
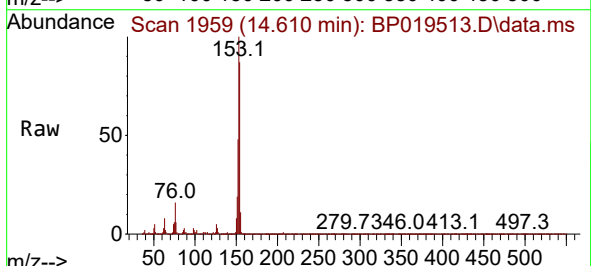
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

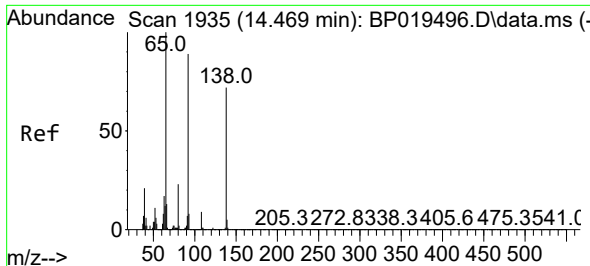
Tgt Ion:165 Resp: 23079
Ion Ratio Lower Upper
165 100
63 60.6 50.4 75.6
89 62.1 51.7 77.5



#52
Acenaphthene
Concen: 7.240 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:154 Resp: 85041
Ion Ratio Lower Upper
154 100
153 114.8 90.5 135.7
152 55.1 42.1 63.1

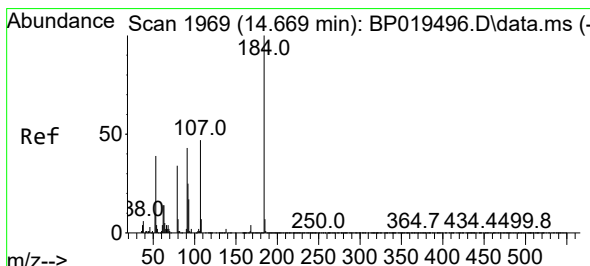
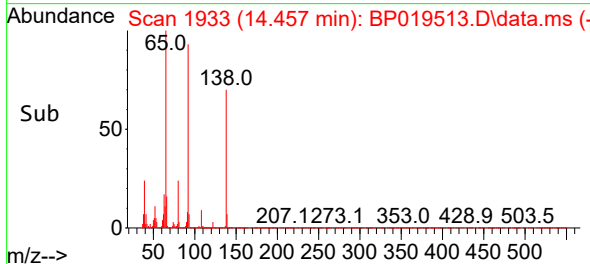
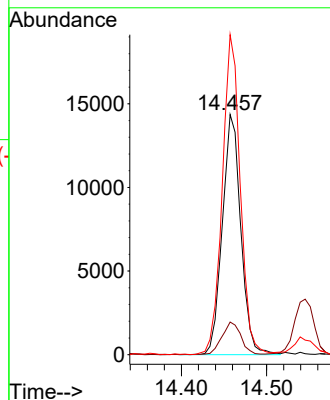
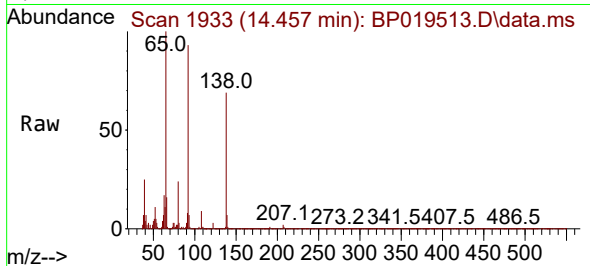




#53
3-Nitroaniline
Concen: 6.815 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

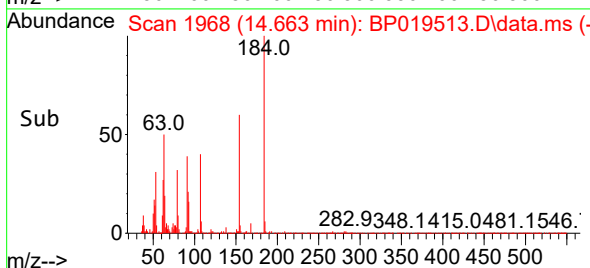
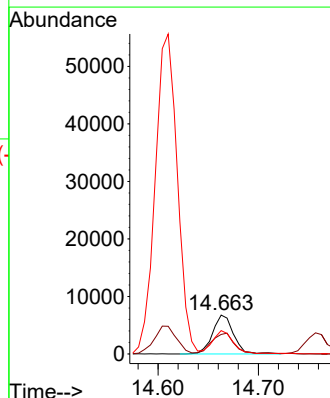
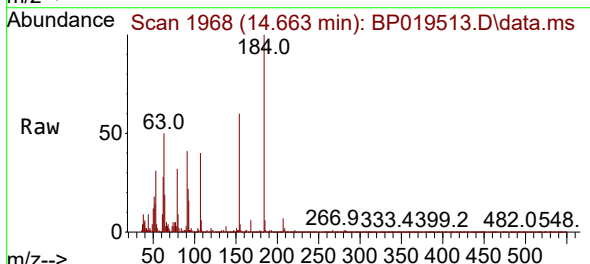
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

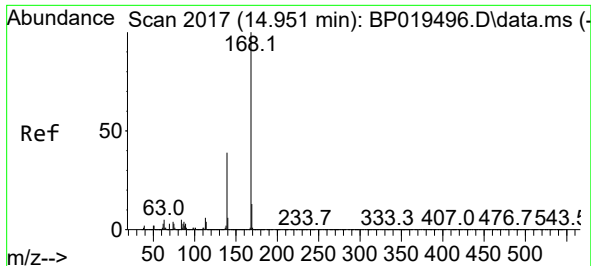
Tgt Ion:138 Resp: 21688
Ion Ratio Lower Upper
138 100
108 13.6 9.7 14.5
92 133.3 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 5.445 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:184 Resp: 9790
Ion Ratio Lower Upper
184 100
63 50.1 50.5 75.7#
154 60.3 53.4 80.0

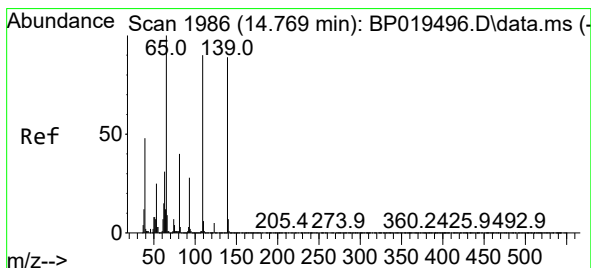
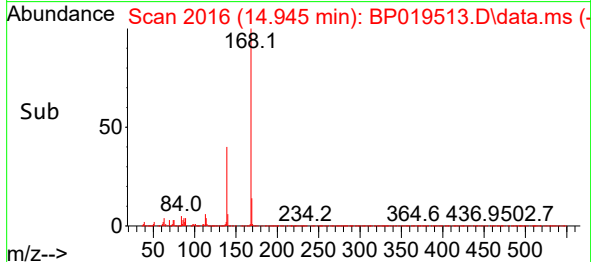
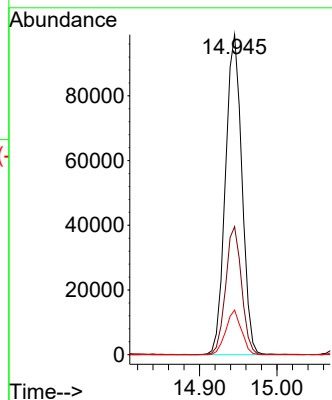
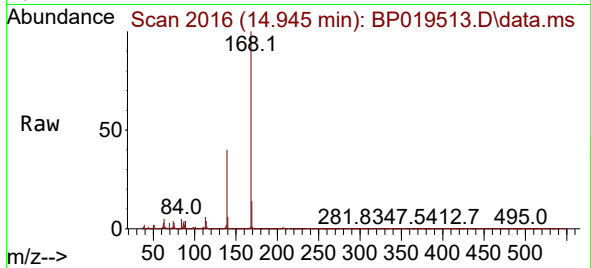




#55
Dibenzenofuran
Concen: 7.630 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

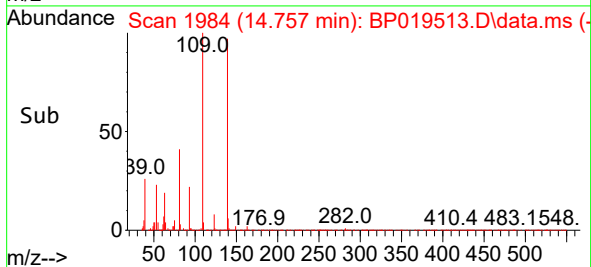
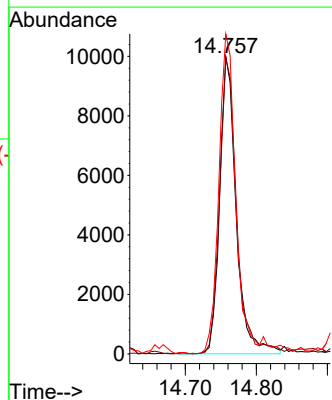
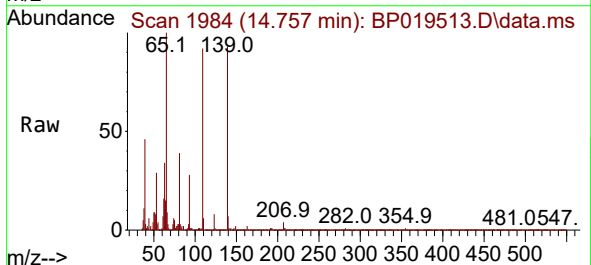
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

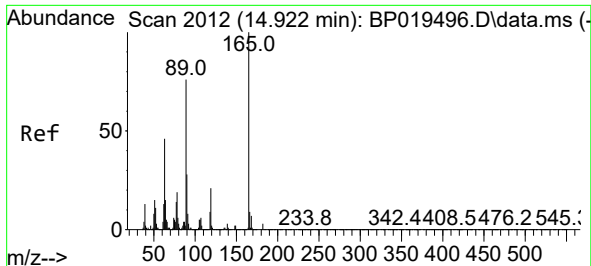
Tgt Ion:168 Resp: 145966
Ion Ratio Lower Upper
168 100
139 40.0 31.5 47.3
169 13.9 10.3 15.5



#56
4-Nitrophenol
Concen: 6.171 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:139 Resp: 16097
Ion Ratio Lower Upper
139 100
109 99.5 82.0 122.0
65 107.7 92.9 132.9

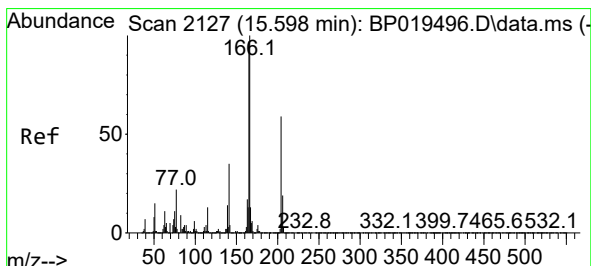
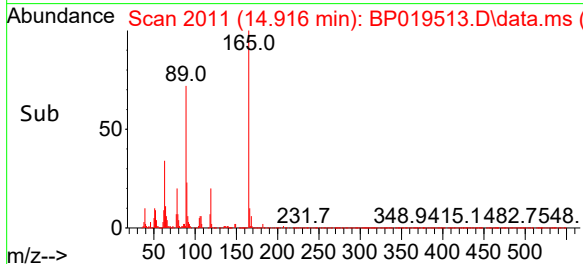
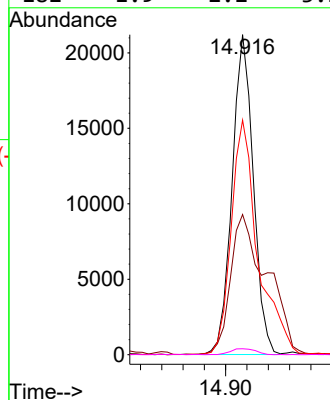
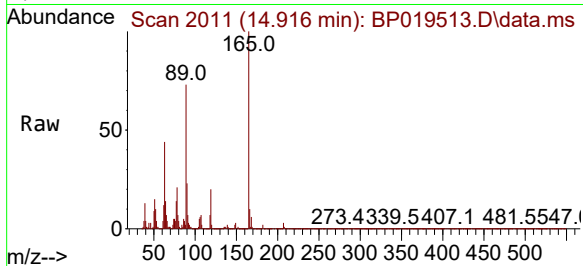




#57
2,4-Dinitrotoluene
Concen: 6.469 ng
RT: 14.916 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

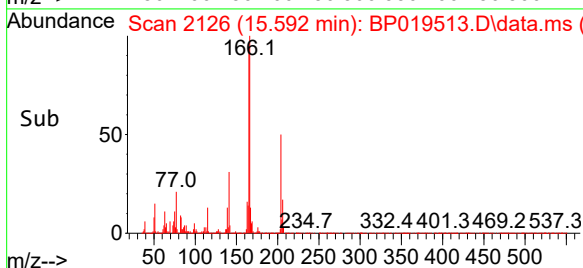
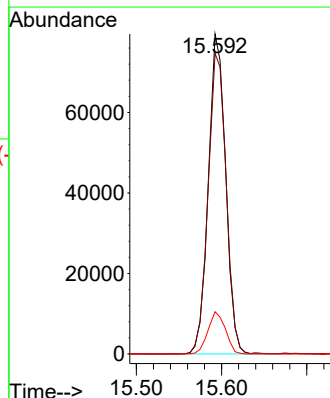
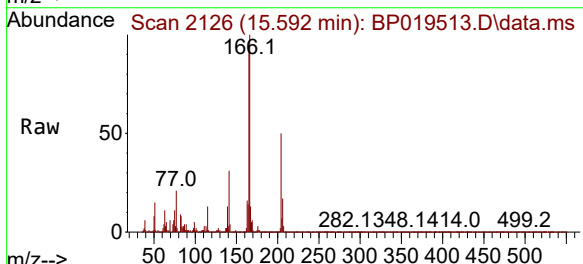
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

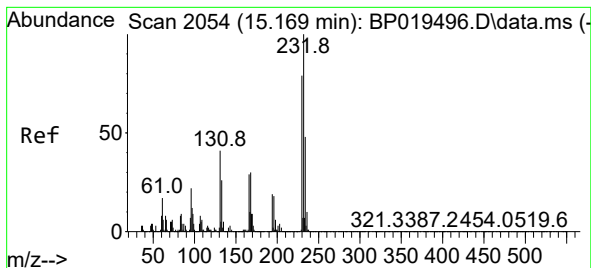
Tgt Ion:	165	Resp:	29359
Ion Ratio	Lower	Upper	
165	100		
63	43.8	36.9	55.3
89	73.3	61.1	91.7
182	1.9	2.2	3.2



#58
Fluorene
Concen: 7.385 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:	166	Resp:	112529
Ion Ratio	Lower	Upper	
166	100		
165	93.9	77.8	116.8
167	13.2	10.7	16.1

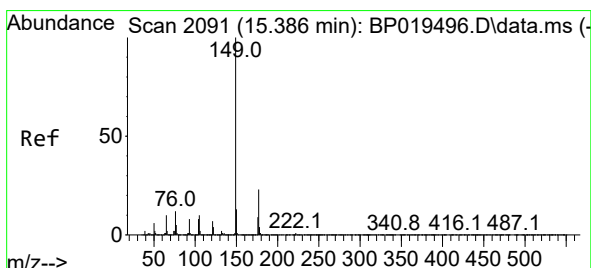
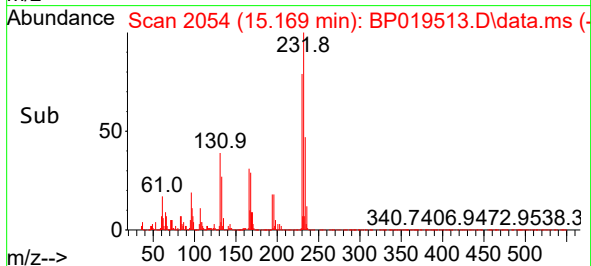
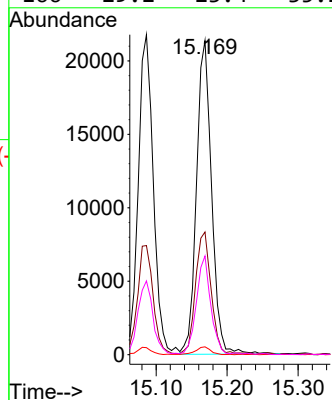
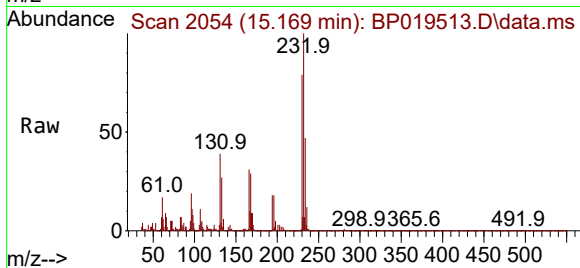




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.137 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

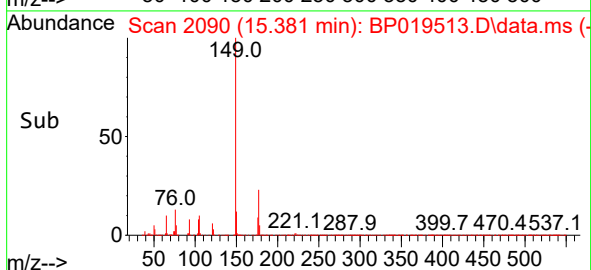
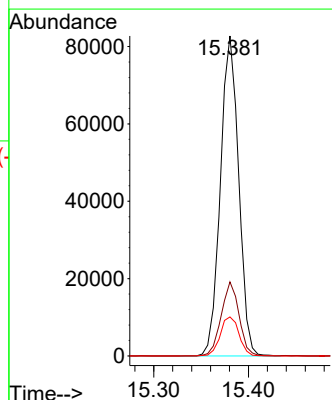
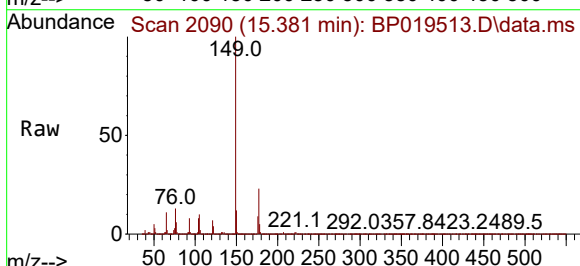
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

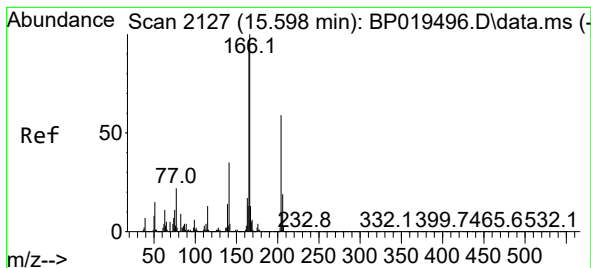
Tgt Ion:	232	Resp:	31697
Ion Ratio	Lower	Upper	
232	100		
131	40.7	32.4	48.6
130	2.5	1.9	2.9
166	29.2	23.4	35.2



#60
Diethylphthalate
Concen: 7.084 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:	149	Resp:	111070
Ion Ratio	Lower	Upper	
149	100		
177	23.1	18.2	27.2
150	12.2	10.2	15.4

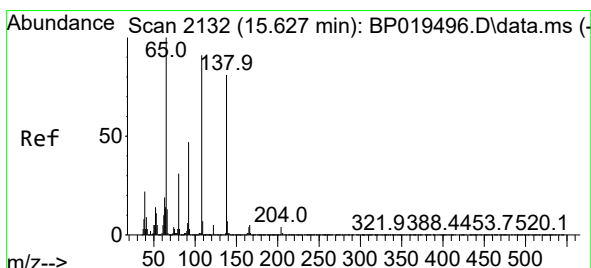
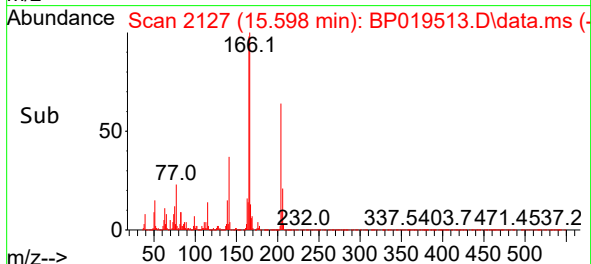
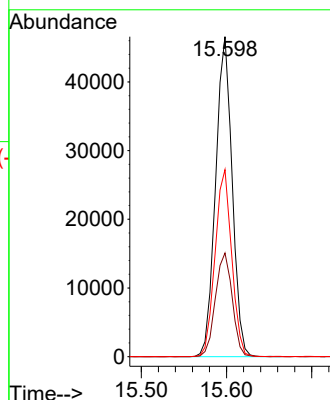
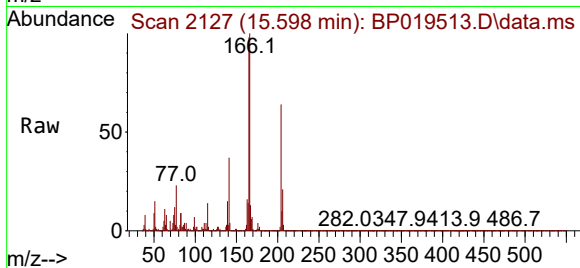




#61
4-Chlorophenyl-phenylether
Concen: 7.342 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

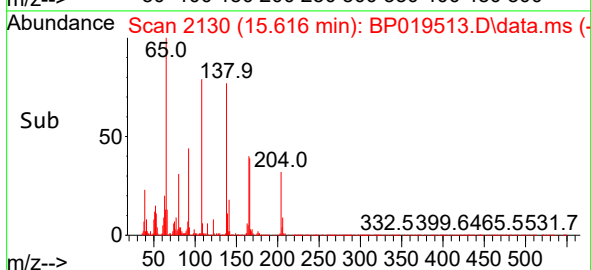
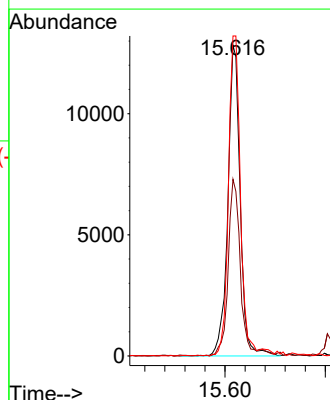
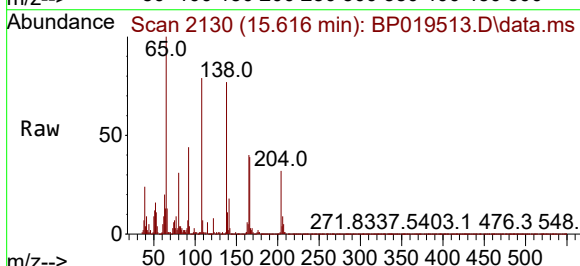
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

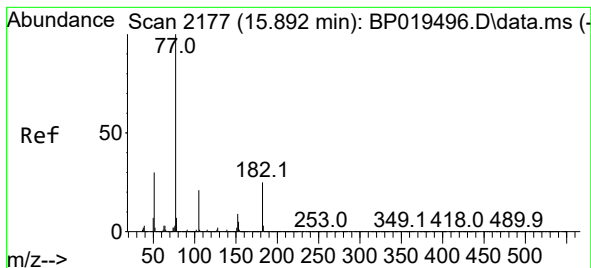
Tgt Ion:204 Resp: 62881
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 58.5 48.5 72.7



#62
4-Nitroaniline
Concen: 6.583 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:138 Resp: 21962
Ion Ratio Lower Upper
138 100
92 56.9 38.3 78.3
108 103.0 91.2 131.2





#63

Azobenzene

Concen: 7.190 ng

RT: 15.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 77 Resp: 109009

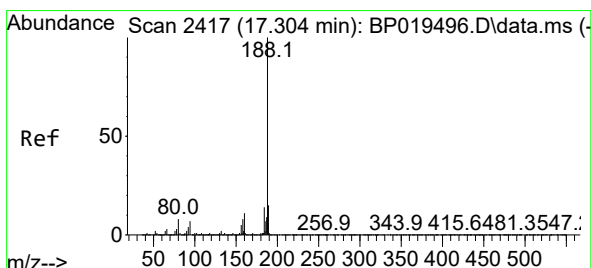
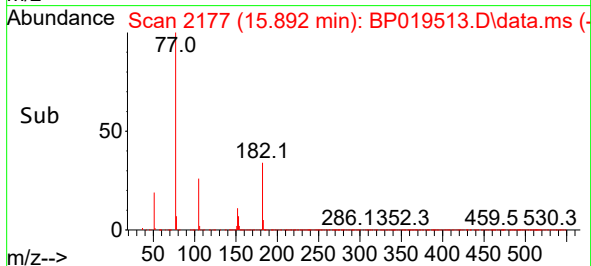
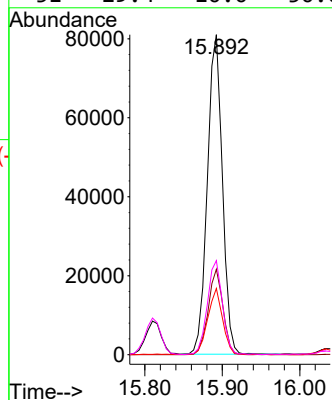
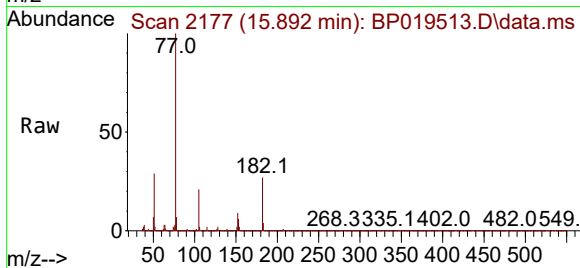
Ion Ratio Lower Upper

77 100

182 26.7 5.1 45.1

105 20.7 0.8 40.8

51 29.4 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

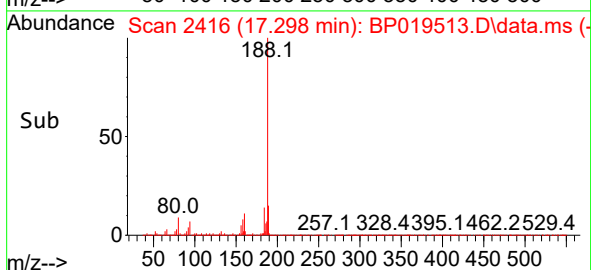
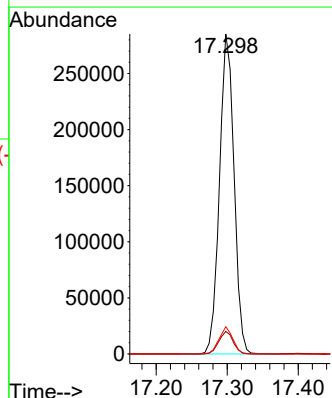
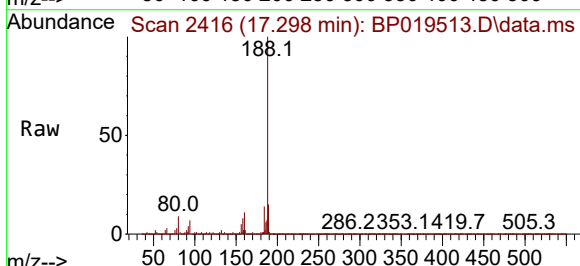
Tgt Ion: 188 Resp: 403875

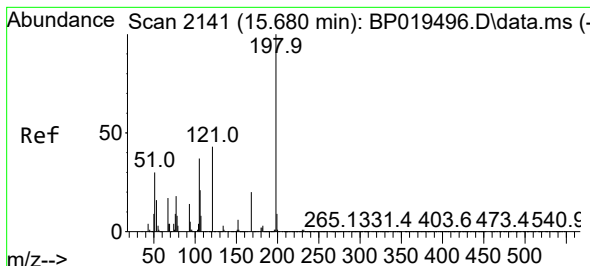
Ion Ratio Lower Upper

188 100

94 7.1 5.4 8.2

80 8.5 6.3 9.5

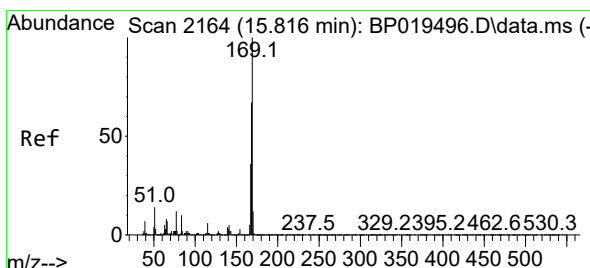
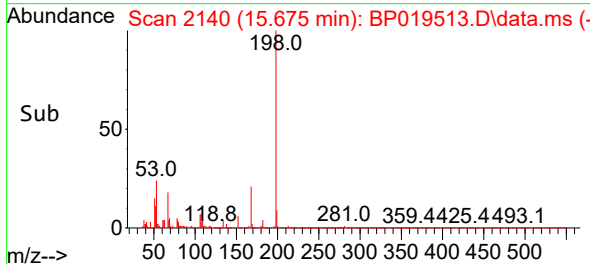
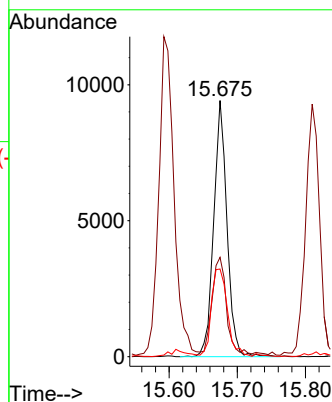
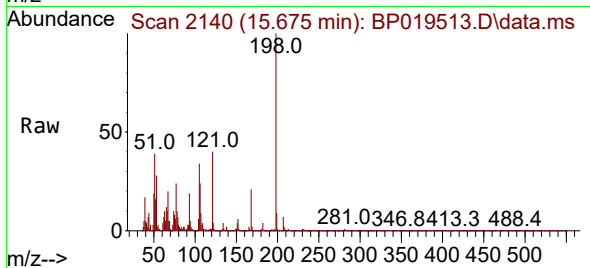




#65
4,6-Dinitro-2-methylphenol
Concen: 5.555 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

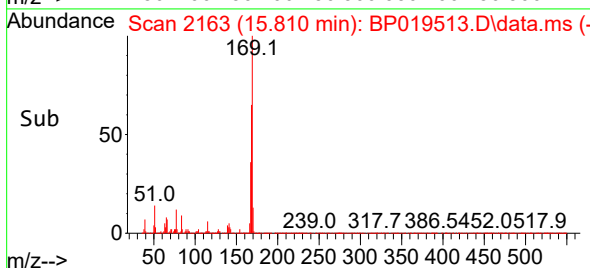
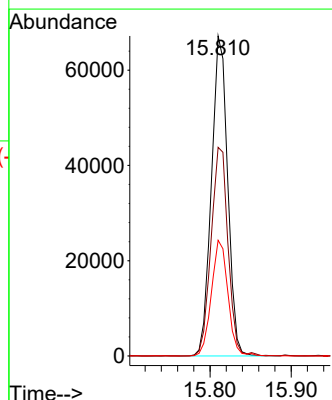
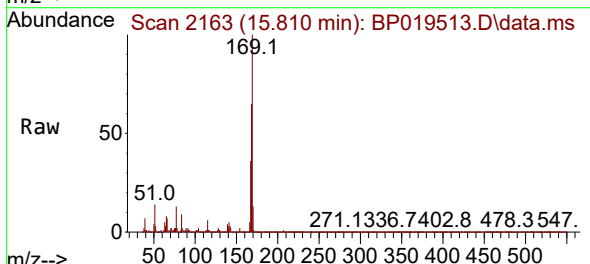
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

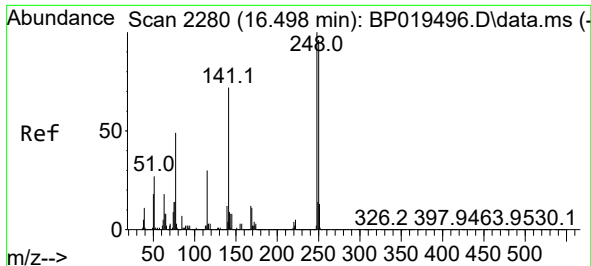
Tgt Ion:198 Resp: 12792
Ion Ratio Lower Upper
198 100
51 38.8 21.2 61.2
105 34.2 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 7.705 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:169 Resp: 93202
Ion Ratio Lower Upper
169 100
168 65.2 53.4 80.2
167 36.1 28.9 43.3

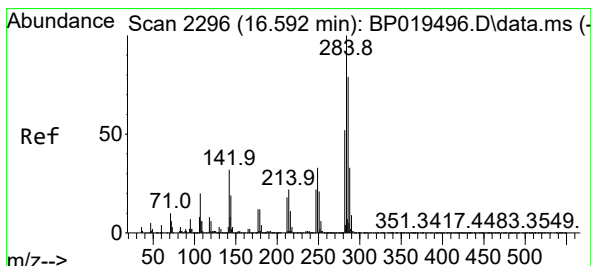
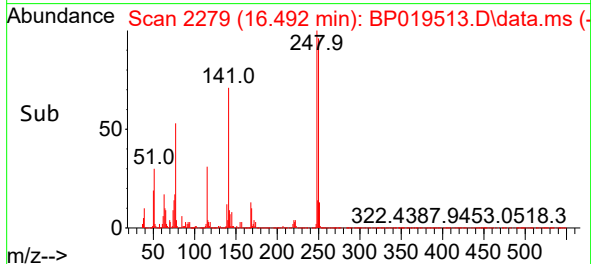
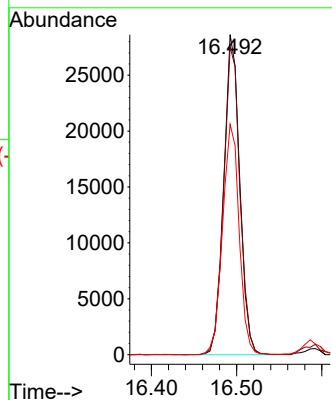
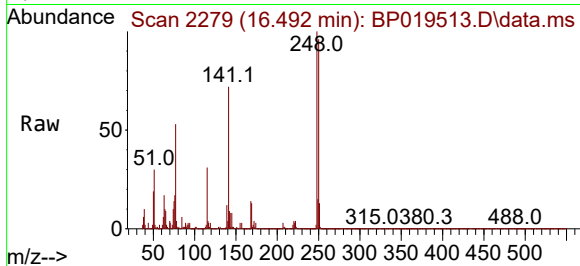




#67
4-Bromophenyl-phenylether
Concen: 7.414 ng
RT: 16.492 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

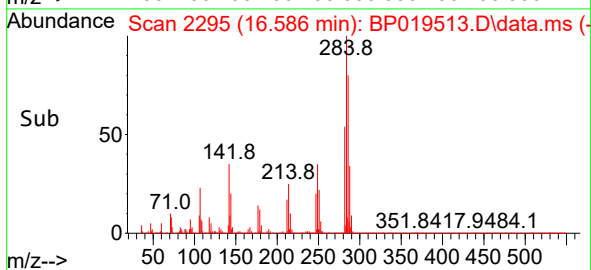
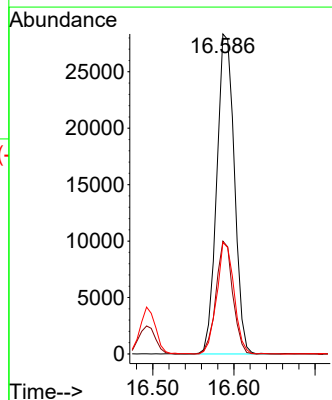
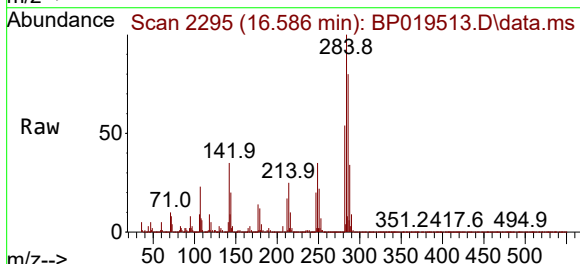
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

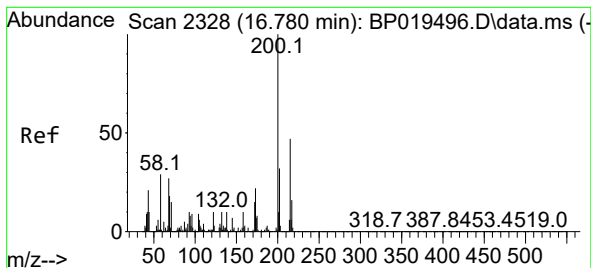
Tgt Ion:248 Resp: 37433
Ion Ratio Lower Upper
248 100
250 96.3 76.9 115.3
141 72.0 58.0 87.0



#68
Hexachlorobenzene
Concen: 7.235 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:284 Resp: 42655
Ion Ratio Lower Upper
284 100
142 35.3 25.4 38.2
249 34.9 26.5 39.7





#69

Atrazine

Concen: 8.456 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

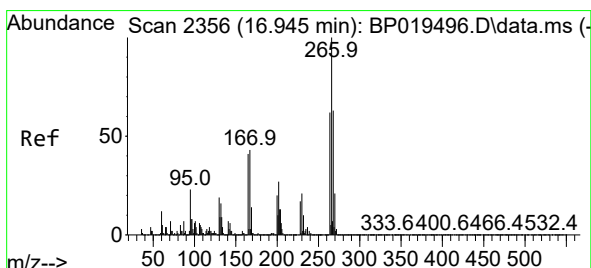
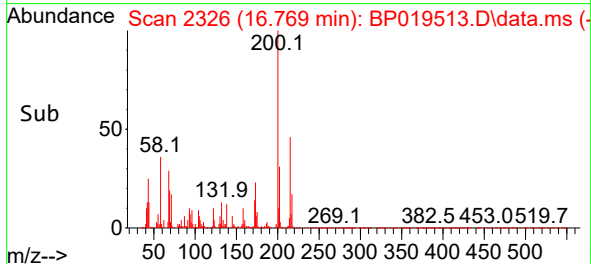
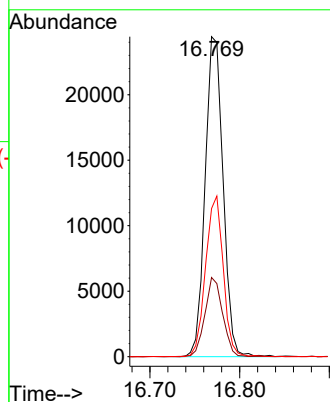
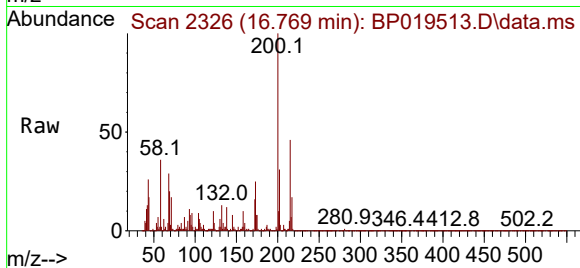
Tgt Ion:200 Resp: 33941

Ion Ratio Lower Upper

200 100

173 24.7 1.7 41.7

215 46.3 26.9 66.9



#70

Pentachlorophenol

Concen: 5.960 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

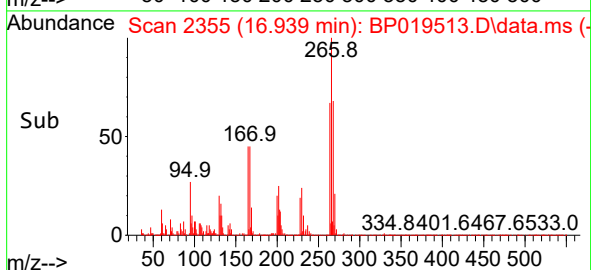
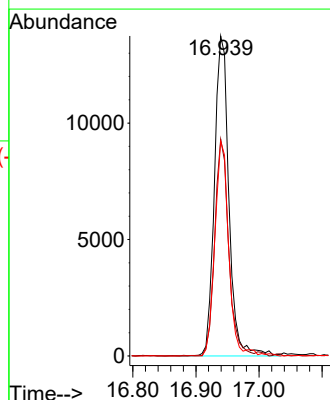
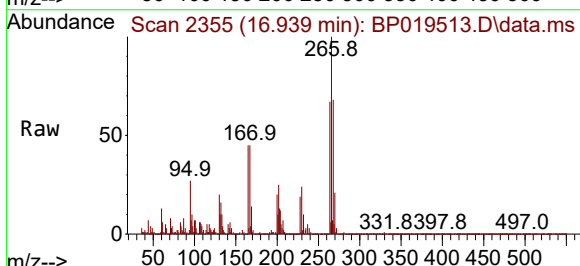
Tgt Ion:266 Resp: 21884

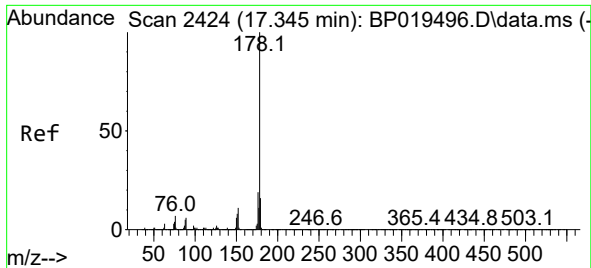
Ion Ratio Lower Upper

266 100

268 67.7 50.3 75.5

264 67.1 49.7 74.5

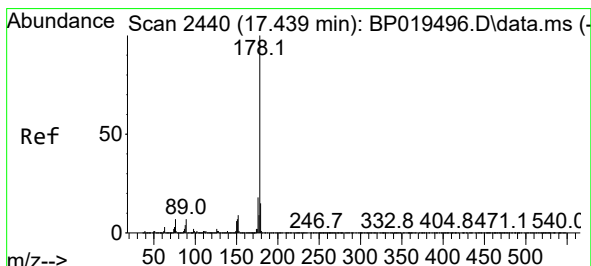
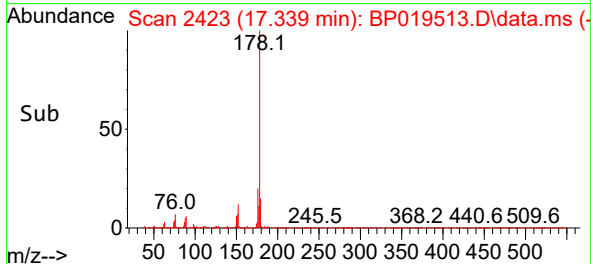
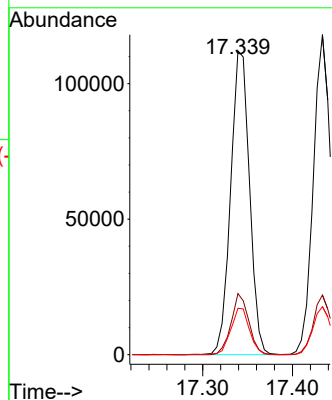
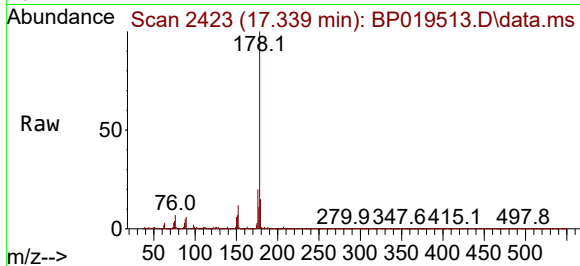




#71
Phenanthrene
Concen: 7.695 ng
RT: 17.339 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

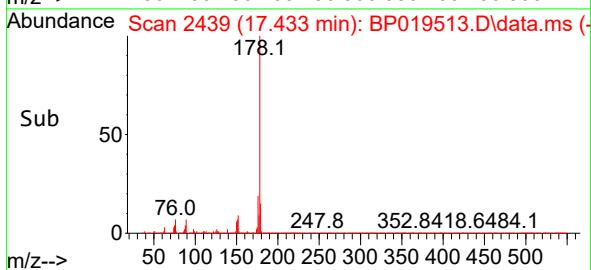
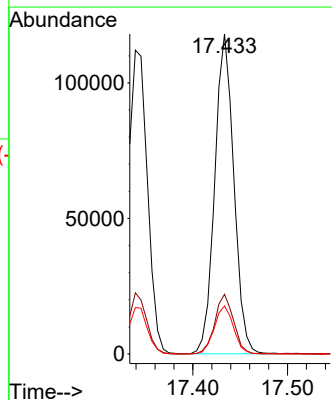
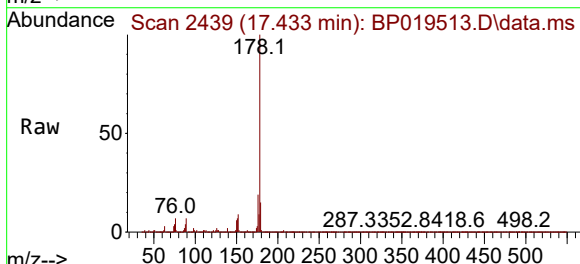
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

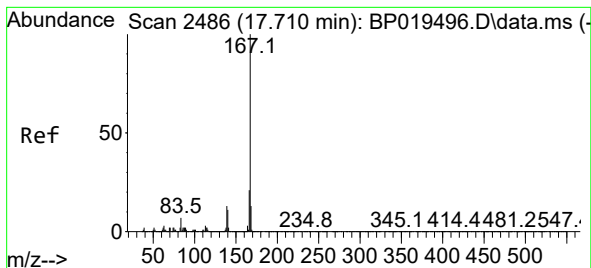
Tgt Ion:178 Resp: 163555
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.3 12.6 19.0



#72
Anthracene
Concen: 7.807 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP019513.D
Acq: 01 Feb 2024 18:47

Tgt Ion:178 Resp: 165519
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.0 12.2 18.2





#73

Carbazole

Concen: 6.986 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

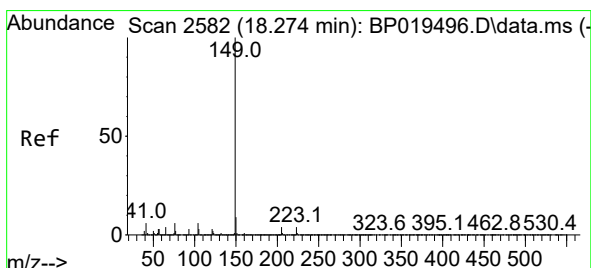
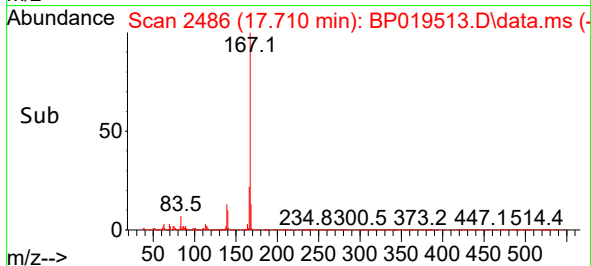
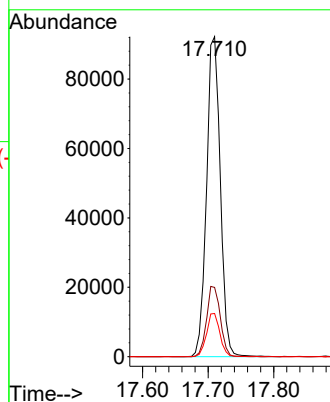
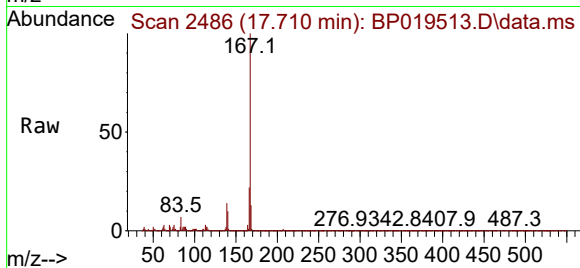
Tgt Ion:167 Resp: 134560

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 13.5 10.6 15.8



#74

Di-n-butylphthalate

Concen: 6.735 ng

RT: 18.275 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

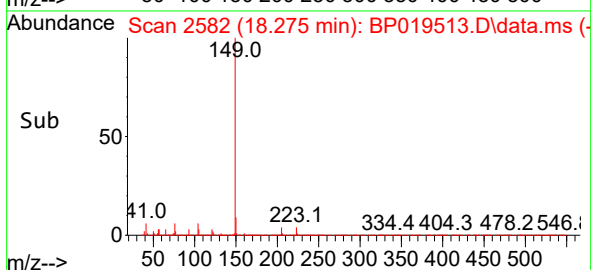
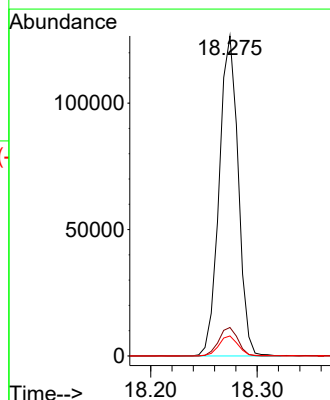
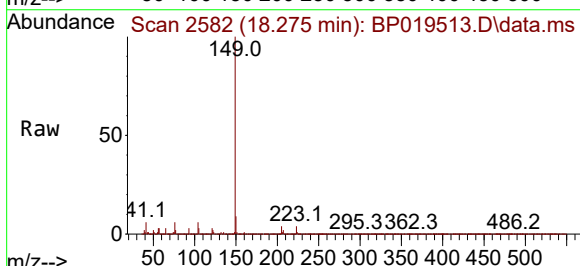
Tgt Ion:149 Resp: 156864

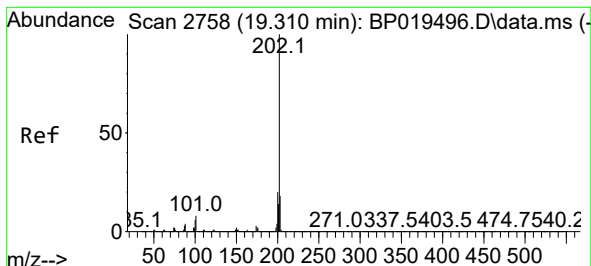
Ion Ratio Lower Upper

149 100

150 8.9 7.3 10.9

104 6.2 4.8 7.2





#75

Fluoranthene

Concen: 6.791 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

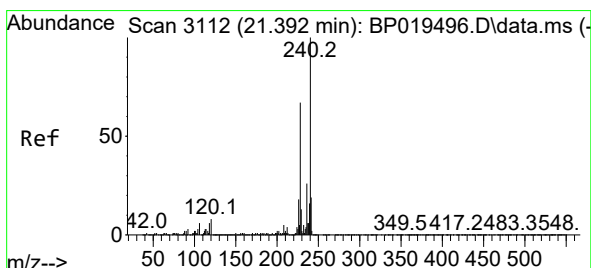
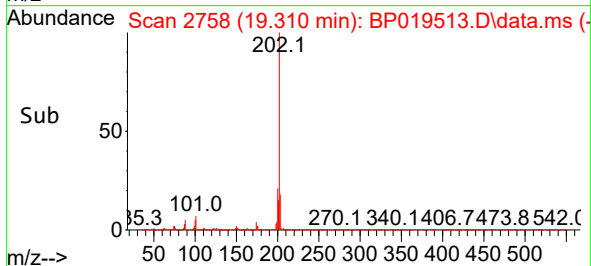
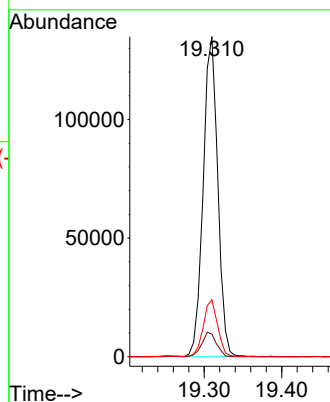
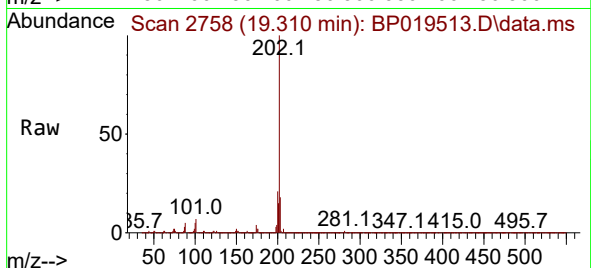
Tgt Ion:202 Resp: 176338

Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.7

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

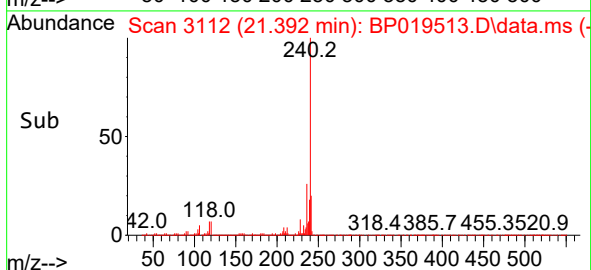
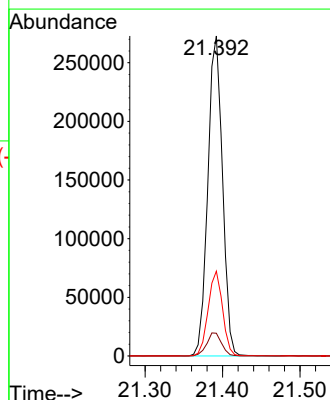
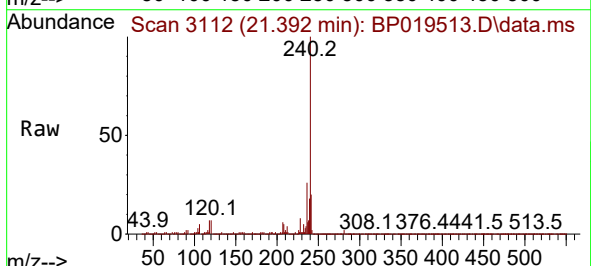
Tgt Ion:240 Resp: 357661

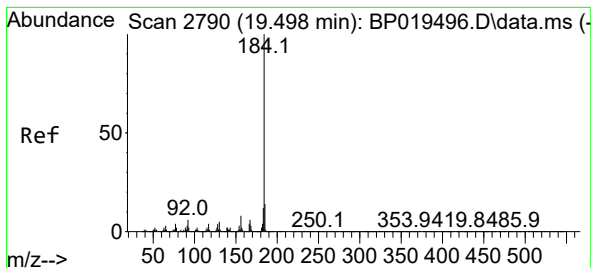
Ion Ratio Lower Upper

240 100

120 7.1 6.1 9.1

236 26.5 20.7 31.1





#77

Benzidine

Concen: 11.838 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

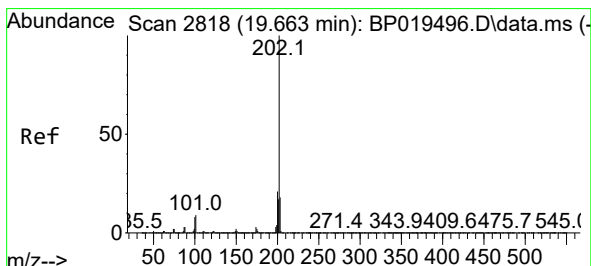
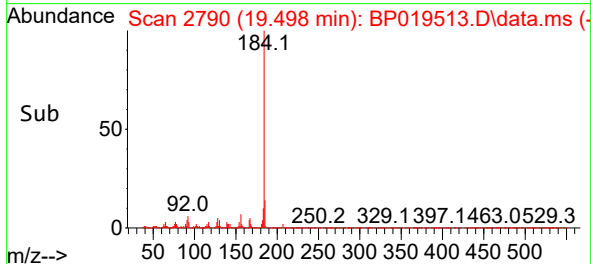
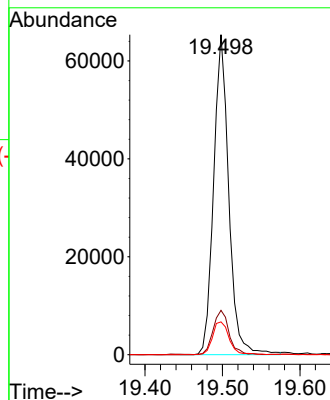
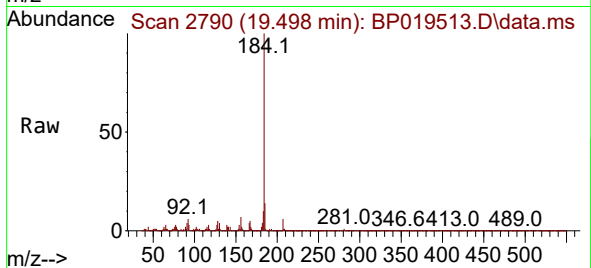
Tgt Ion:184 Resp: 88522

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

183 10.2 9.7 14.5



#78

Pyrene

Concen: 7.272 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

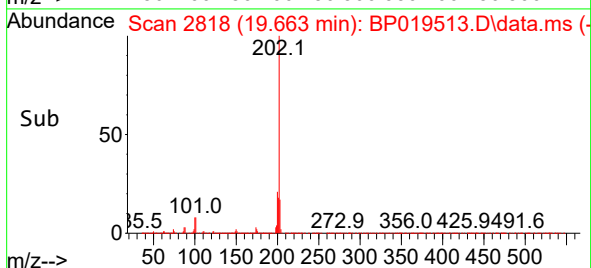
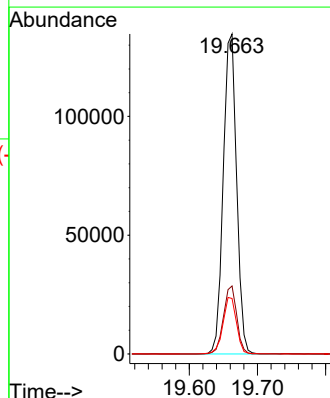
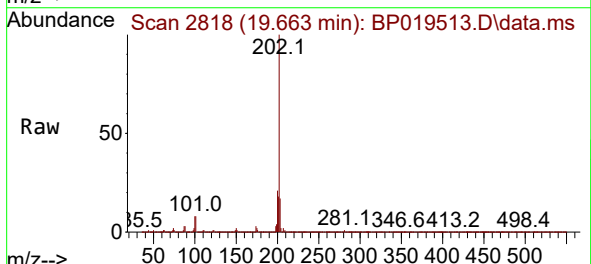
Tgt Ion:202 Resp: 183563

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 79.375 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

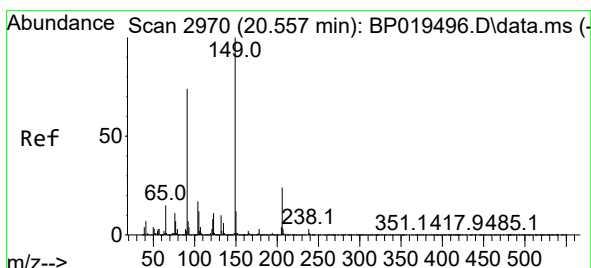
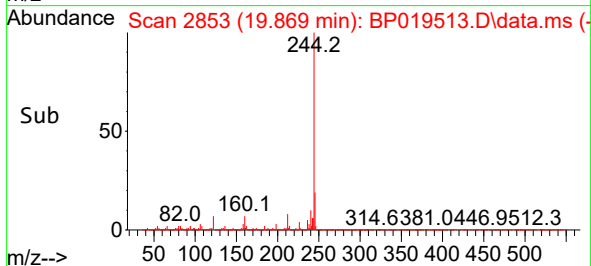
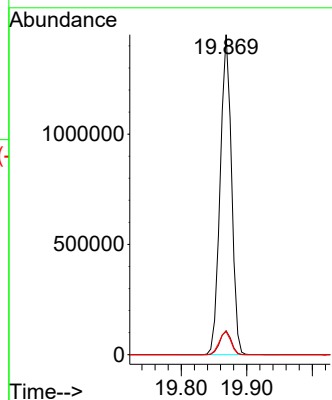
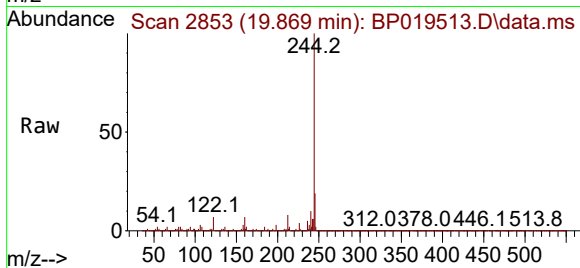
Tgt Ion:244 Resp: 1726277

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.2 5.9 8.9



#80

Butylbenzylphthalate

Concen: 6.652 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

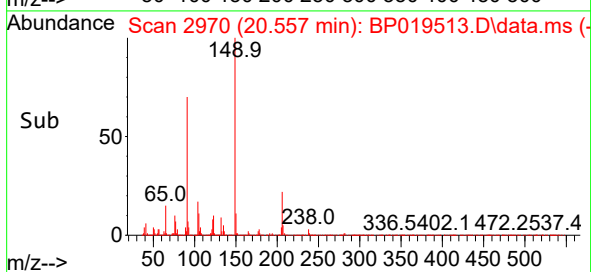
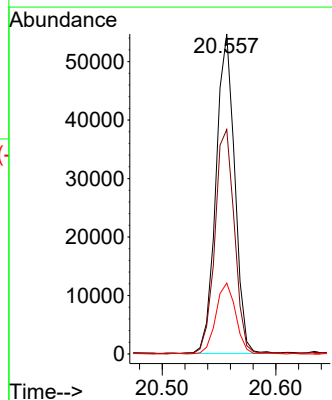
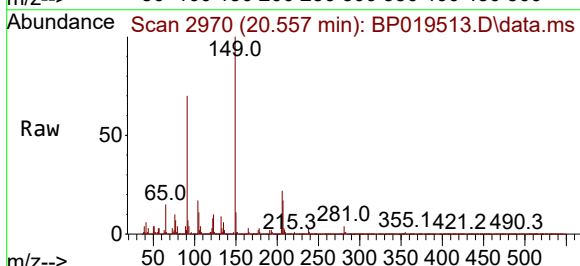
Tgt Ion:149 Resp: 62706

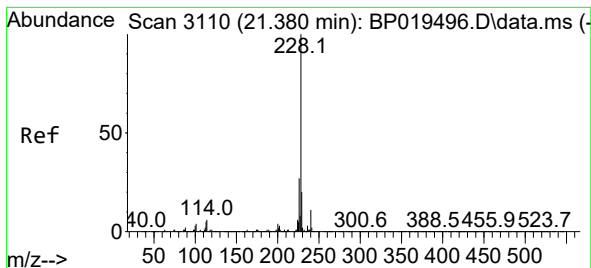
Ion Ratio Lower Upper

149 100

91 70.2 59.4 89.0

206 22.2 19.0 28.6





#81

Benzo(a)anthracene

Concen: 7.546 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

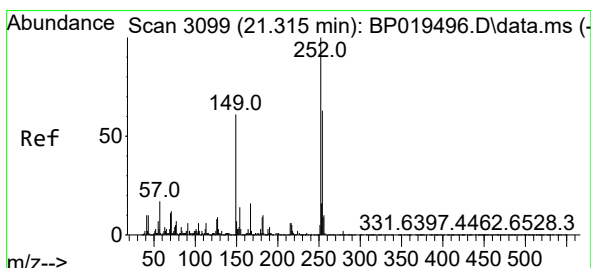
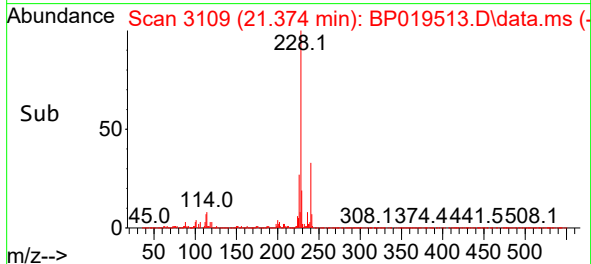
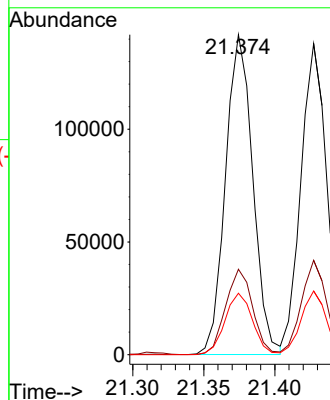
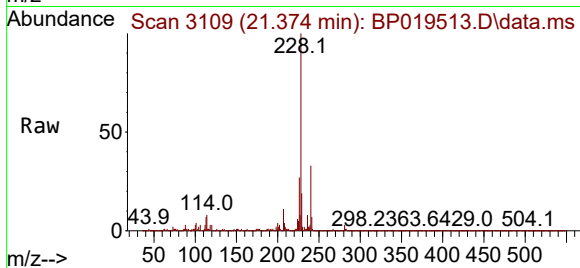
Tgt Ion:228 Resp: 189979

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

229 19.2 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 8.132 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

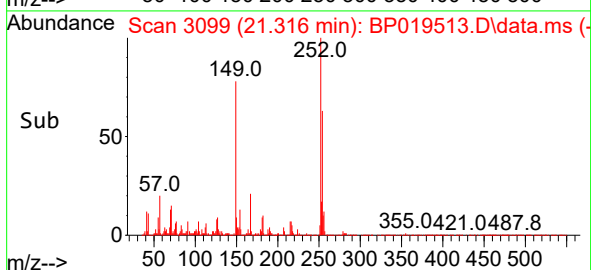
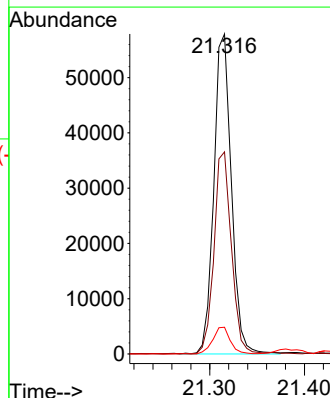
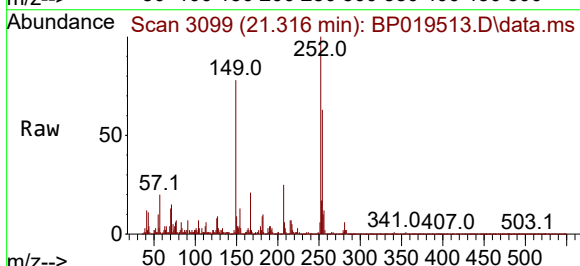
Tgt Ion:252 Resp: 74604

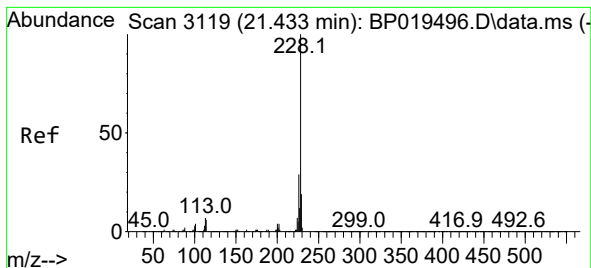
Ion Ratio Lower Upper

252 100

254 63.1 50.7 76.1

126 8.4 6.4 9.6





#83

Chrysene

Concen: 7.307 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

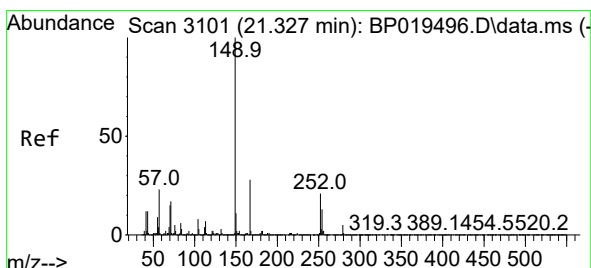
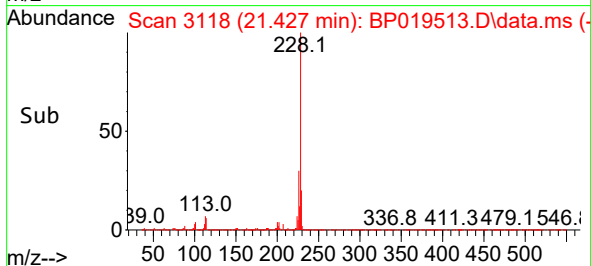
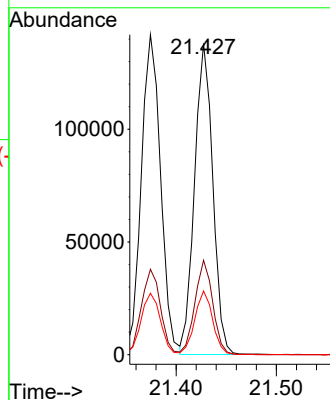
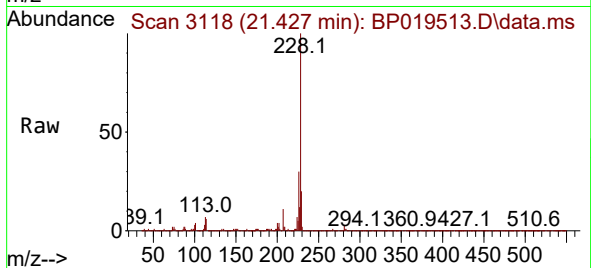
Tgt Ion:228 Resp: 174649

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

229 20.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.066 ng

RT: 21.327 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

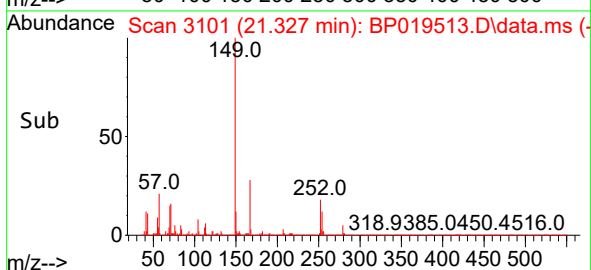
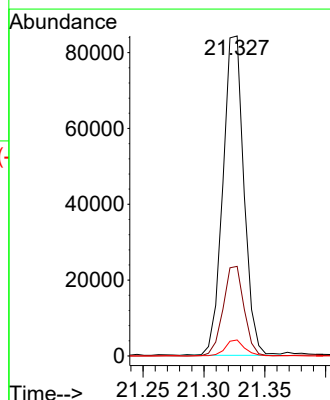
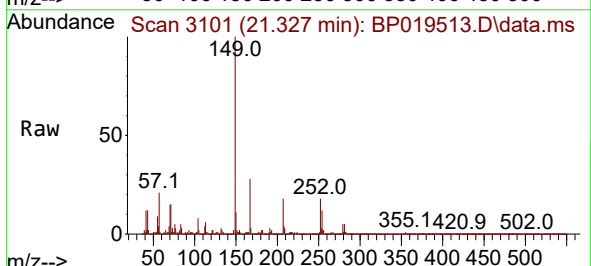
Tgt Ion:149 Resp: 101425

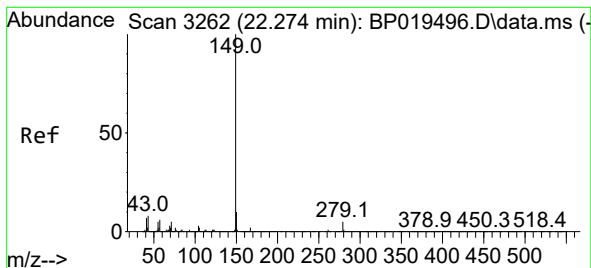
Ion Ratio Lower Upper

149 100

167 28.0 22.7 34.1

279 5.0 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 7.011 ng

RT: 22.268 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

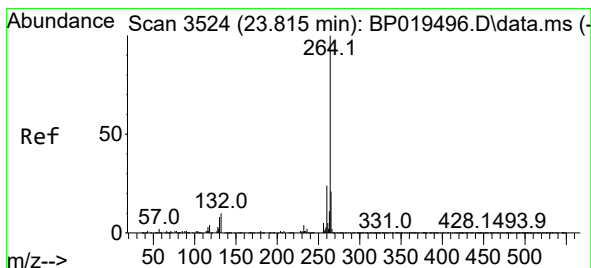
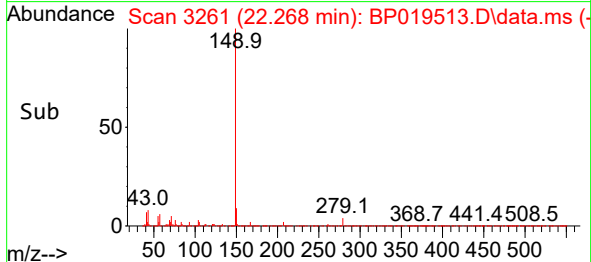
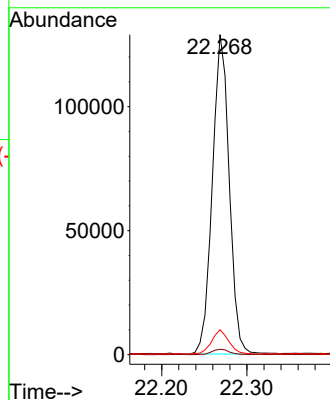
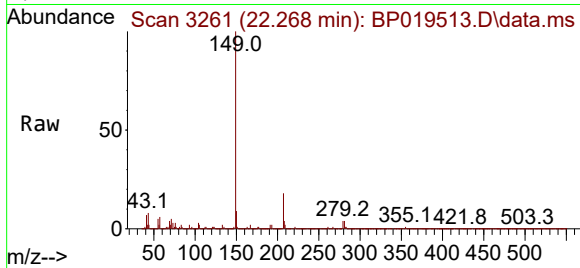
Tgt Ion:149 Resp: 177056

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 7.6 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3523

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

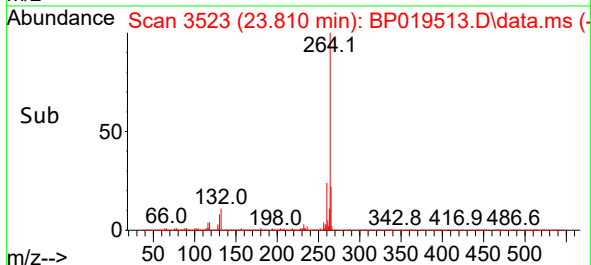
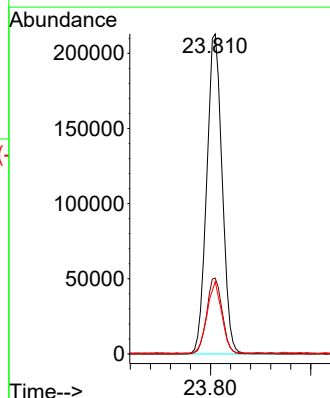
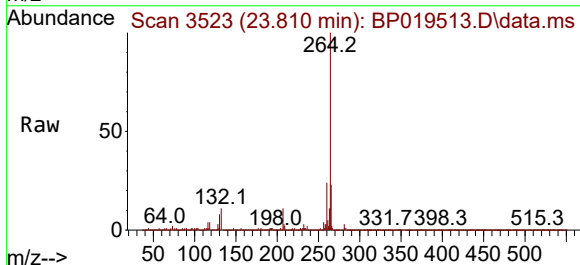
Tgt Ion:264 Resp: 454626

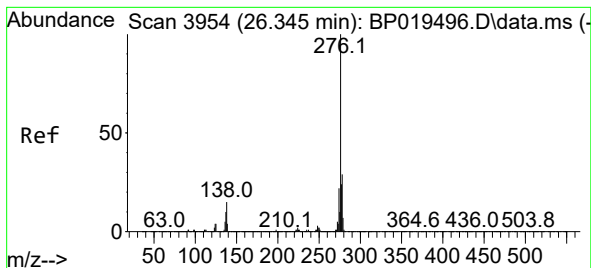
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.452 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

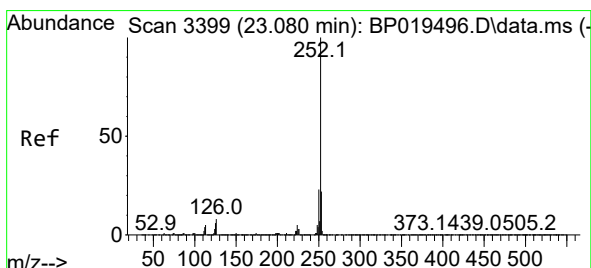
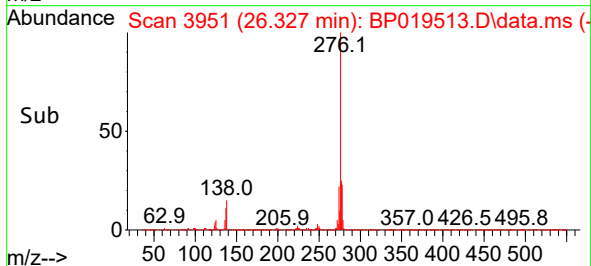
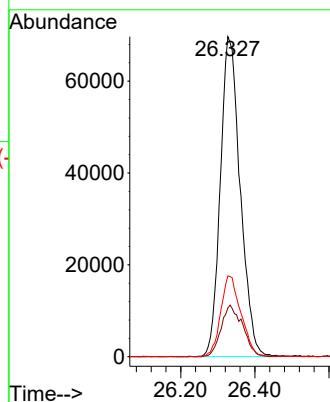
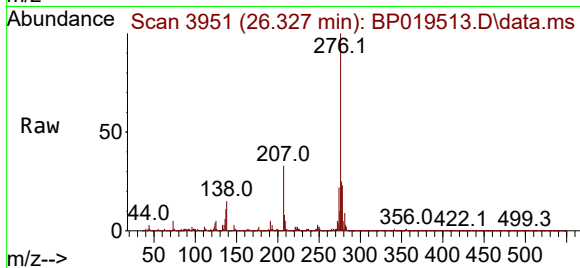
Tgt Ion:276 Resp: 259346

Ion Ratio Lower Upper

276 100

138 17.4 13.1 19.7

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 7.349 ng

RT: 23.068 min Scan# 3397

Delta R.T. -0.012 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

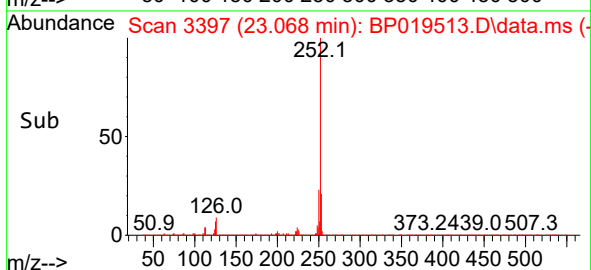
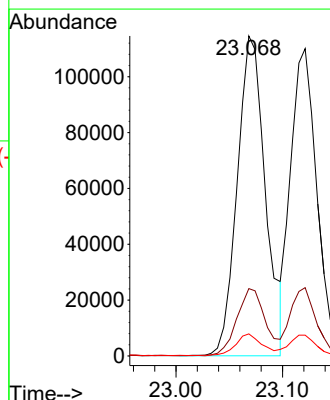
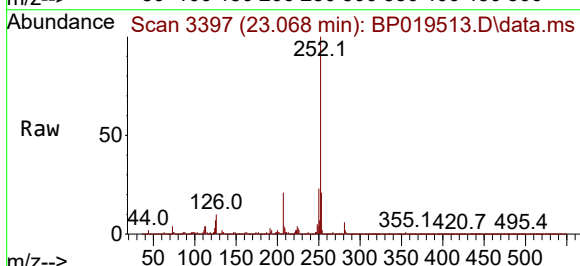
Tgt Ion:252 Resp: 210571

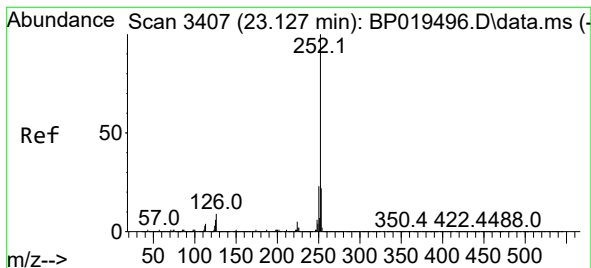
Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 6.9 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 6.857 ng

RT: 23.121 min Scan# 3407

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

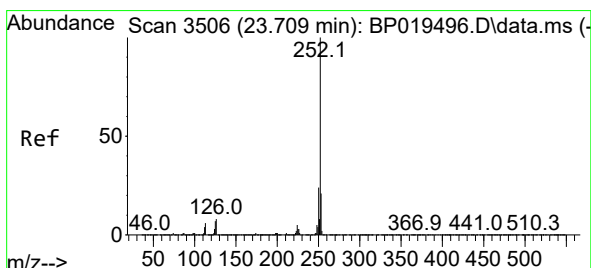
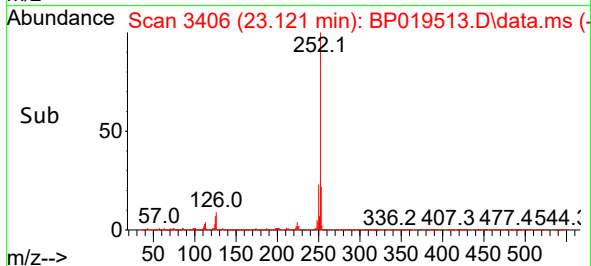
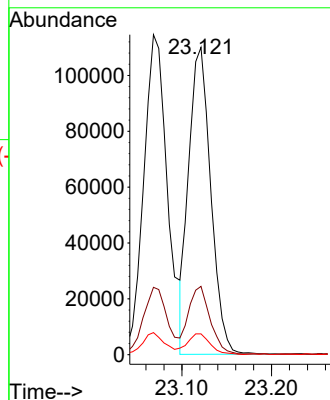
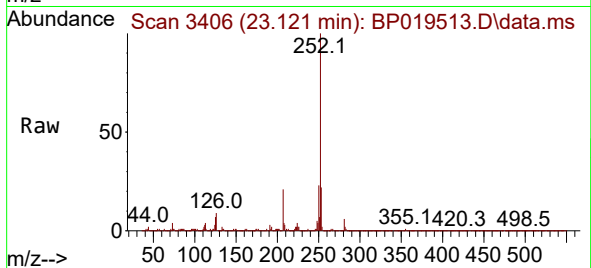
Tgt Ion:252 Resp: 187673

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 6.8 5.0 7.6



#90

Benzo(a)pyrene

Concen: 7.218 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

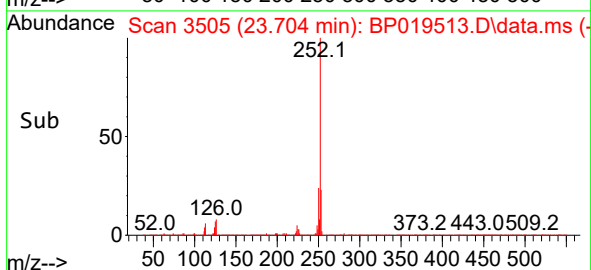
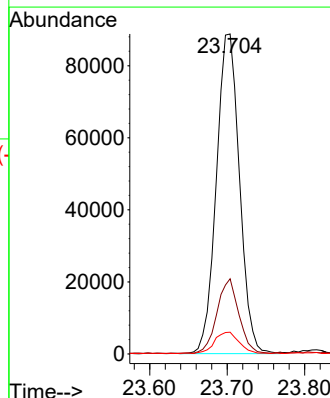
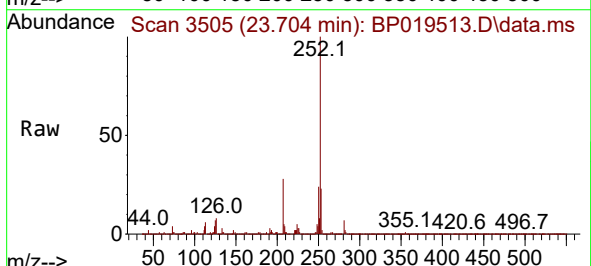
Tgt Ion:252 Resp: 184008

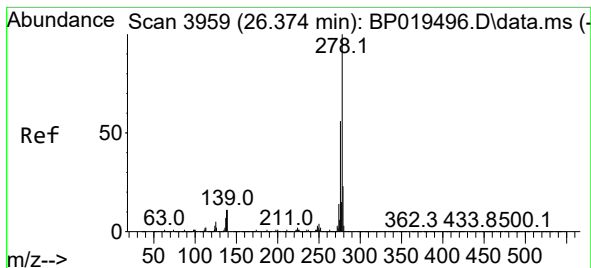
Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 6.8 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 7.597 ng

RT: 26.362 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

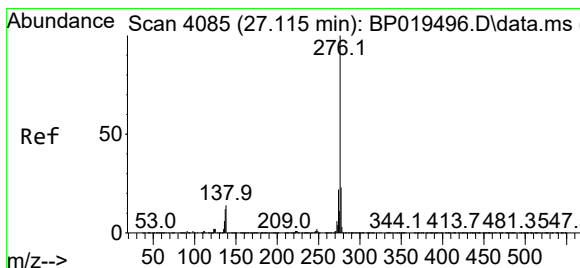
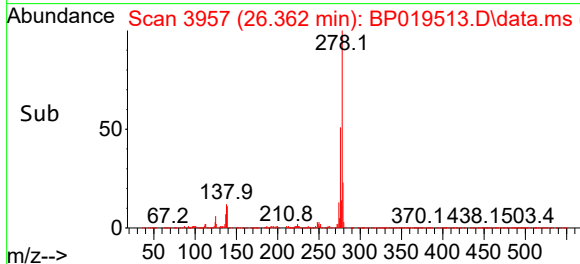
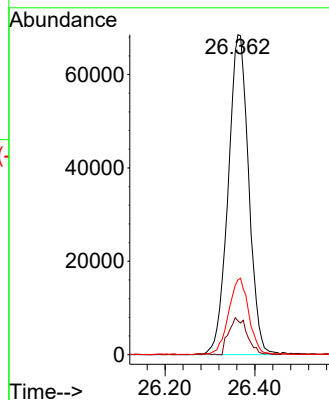
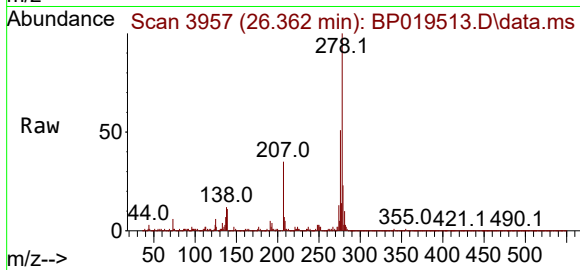
Tgt Ion:278 Resp: 217428

Ion Ratio Lower Upper

278 100

139 10.6 8.6 12.8

279 23.4 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 7.108 ng

RT: 27.103 min Scan# 4083

Delta R.T. -0.012 min

Lab File: BP019513.D

Acq: 01 Feb 2024 18:47

Tgt Ion:276 Resp: 206394

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 14.2 10.9 16.3

