

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038515.D
 Acq On : 23 Jan 2023 19:03
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Jan 24 05:16:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	50182	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	163211	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	103607	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	238082	20.000	ng	0.00
76) Chrysene-d12	21.515	240	265619	20.000	ng	0.00
86) Perylene-d12	23.927	264	339332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	265090	87.328	ng	0.00
7) Phenol-d6	7.128	99	453410	117.068	ng	0.00
23) Nitrobenzene-d5	9.139	82	290889	77.396	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	202799	135.927	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	652219	77.545	ng	0.00
79) Terphenyl-d14	19.956	244	1063344	78.044	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.375	88	11939	8.385	ng	97
3) Pyridine	3.804	79	17678	4.727	ng	# 80
4) n-Nitrosodimethylamine	3.704	42	13548	7.632	ng	# 84
6) Aniline	7.298	93	35081	7.297	ng	95
8) 2-Chlorophenol	7.528	128	25071	8.085	ng	99
9) Benzaldehyde	7.110	77	25682	11.179	ng	94
10) Phenol	7.157	94	31724	8.197	ng	92
11) bis(2-Chloroethyl)ether	7.392	93	24007	7.862	ng	99
12) 1,3-Dichlorobenzene	8.004	146	29615	8.400	ng	95
13) 1,4-Dichlorobenzene	8.004	146	29615	8.314	ng	98
14) 1,2-Dichlorobenzene	8.316	146	28232	8.182	ng	92
15) Benzyl Alcohol	8.216	79	21897	7.562	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.498	45	24390	7.606	ng	94
17) 2-Methylphenol	8.416	107	18861	6.886	ng	92
18) Hexachloroethane	9.045	117	10468	7.905	ng	93
19) n-Nitroso-di-n-propyla...	8.775	70	19458	7.216	ng	99
20) 3+4-Methylphenols	8.745	107	24914	6.786	ng	95
22) Acetophenone	8.798	105	37266	8.288	ng	# 98
24) Nitrobenzene	9.181	77	31685	8.332	ng	98
25) Isophorone	9.704	82	47701	7.691	ng	95
26) 2-Nitrophenol	9.898	139	10477	6.941	ng	94
27) 2,4-Dimethylphenol	9.951	122	17356	6.909	ng	96
28) bis(2-Chloroethoxy)met...	10.192	93	27896	7.688	ng	98
29) 2,4-Dichlorophenol	10.428	162	21771	7.387	ng	98
30) 1,2,4-Trichlorobenzene	10.639	180	27059	8.028	ng	100
31) Naphthalene	10.827	128	65990	7.443	ng	99
32) Benzoic acid	10.028	122	7942	9.156	ng	93
33) 4-Chloroaniline	10.945	127	25313	6.840	ng	97
34) Hexachlorobutadiene	11.098	225	18548	8.366	ng	96
35) Caprolactam	11.722	113	4341	6.075	ng	91
36) 4-Chloro-3-methylphenol	12.063	107	19431	7.250	ng	96
37) 2-Methylnaphthalene	12.651	142	43266	6.790	ng	93
38) 1-Methylnaphthalene	12.651	142	43266	7.199	ng	99
40) 1,2,4,5-Tetrachloroben...	12.798	216	31436	8.066	ng	98
41) Hexachlorocyclopentadiene	12.769	237	16179	7.553	ng	100
43) 2,4,6-Trichlorophenol	13.039	196	17803	7.136	ng	97

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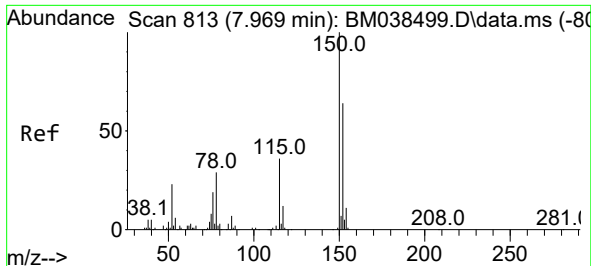
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	20116	6.884	ng	97
46) 1,1'-Biphenyl	13.439	154	63817	7.691	ng	99
47) 2-Chloronaphthalene	13.480	162	50152	7.743	ng	99
48) 2-Nitroaniline	13.698	65	11890	6.251	ng	95
49) Acenaphthylene	14.327	152	70732	6.980	ng	99
50) Dimethylphthalate	14.057	163	59332	7.439	ng	100
51) 2,6-Dinitrotoluene	14.186	165	11409	6.797	ng	95
52) Acenaphthene	14.663	154	44982	7.278	ng	98
53) 3-Nitroaniline	14.515	138	9947	5.964	ng	97
54) 2,4-Dinitrophenol	14.733	184	6027	9.175	ng	90
55) Dibenzofuran	14.998	168	76451	7.399	ng	96
56) 4-Nitrophenol	14.827	139	7269	5.292	ng	86
57) 2,4-Dinitrotoluene	14.974	165	14429	6.342	ng	93
58) Fluorene	15.645	166	59647	7.119	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.221	232	17351	7.264	ng	98
60) Diethylphthalate	15.410	149	55272	7.077	ng	95
61) 4-Chlorophenyl-phenyle...	15.639	204	33225	7.553	ng	95
62) 4-Nitroaniline	15.674	138	9648	8.065	ng	92
63) Azobenzene	15.927	77	58555	7.076	ng	97
65) 4,6-Dinitro-2-methylph...	15.733	198	9268	5.997	ng	92
66) n-Nitrosodiphenylamine	15.851	169	52179	7.300	ng	95
67) 4-Bromophenyl-phenylether	16.533	248	20477	7.754	ng	94
68) Hexachlorobenzene	16.645	284	23514	8.251	ng	96
69) Atrazine	16.798	200	18370	7.704	ng	98
70) Pentachlorophenol	16.992	266	12813	6.315	ng	94
71) Phenanthrene	17.386	178	97868	7.361	ng	98
72) Anthracene	17.474	178	94881	7.013	ng	99
73) Carbazole	17.751	167	84325	7.078	ng	99
74) Di-n-butylphthalate	18.298	149	84388	6.447	ng	99
75) Fluoranthene	19.398	202	115149	7.206	ng	97
77) Benzidine	19.586	184	46943	7.755	ng	98
78) Pyrene	19.756	202	127545	6.896	ng	98
80) Butylbenzylphthalate	20.644	149	37601	5.879	ng	96
81) Benzo(a)anthracene	21.497	228	140603	7.470	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	50454	8.346	ng	99
83) Chrysene	21.550	228	138864	7.544	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	52039	5.614	ng	# 93
85) Di-n-octyl phthalate	22.339	149	98315	5.965	ng	99
87) Indeno(1,2,3-cd)pyrene	26.438	276	183838	7.321	ng	97
88) Benzo(b)fluoranthene	23.191	252	156349	7.638	ng	98
89) Benzo(k)fluoranthene	23.191	252	156349	7.382	ng	97
90) Benzo(a)pyrene	23.821	252	138322	6.816	ng	96
91) Dibenzo(a,h)anthracene	26.456	278	159848	7.648	ng	98
92) Benzo(g,h,i)perylene	27.215	276	164452	7.681	ng	97

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

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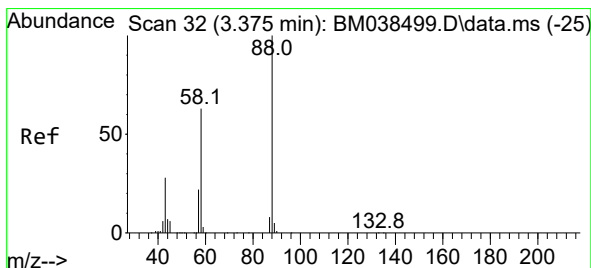
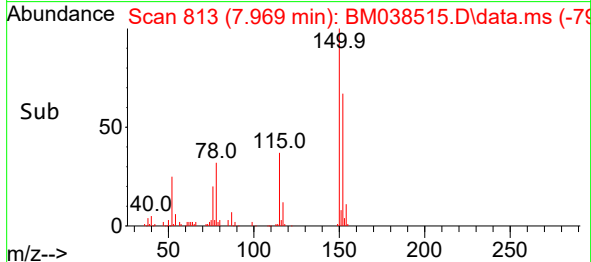
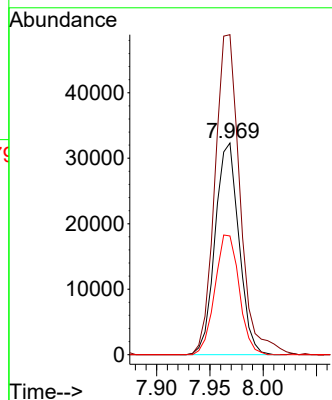
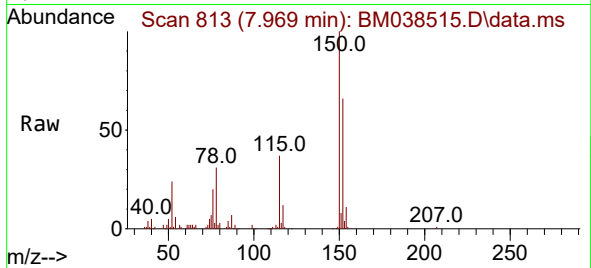
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.969 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BM038515.D
 Acq: 23 Jan 2023 19:03

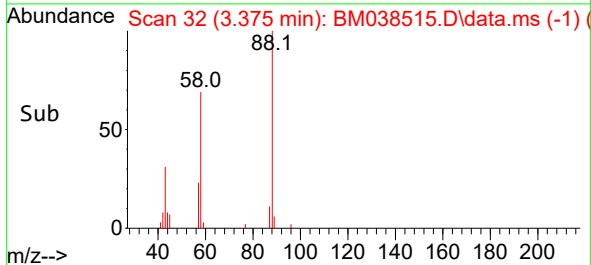
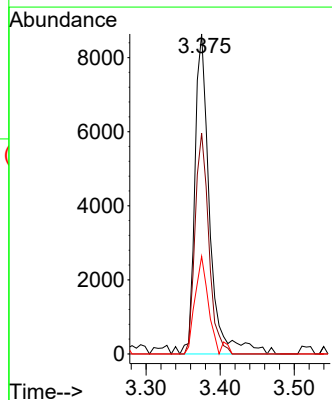
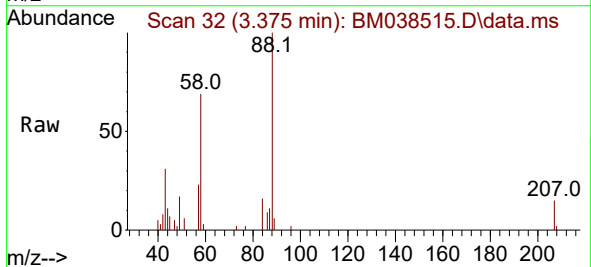
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

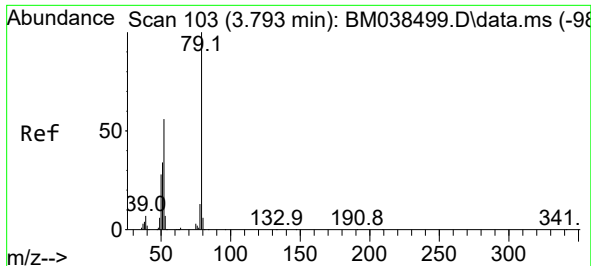
Tgt Ion:152 Resp: 50182
 Ion Ratio Lower Upper
 152 100
 150 151.2 124.2 186.4
 115 56.1 44.8 67.2



#2
 1,4-Dioxane
 Concen: 8.385 ng
 RT: 3.375 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: BM038515.D
 Acq: 23 Jan 2023 19:03

Tgt Ion: 88 Resp: 11939
 Ion Ratio Lower Upper
 88 100
 58 64.3 50.5 75.7
 43 27.1 23.9 35.9

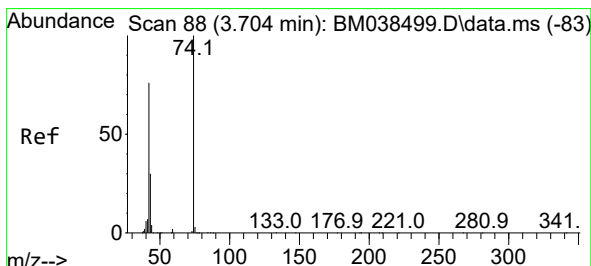
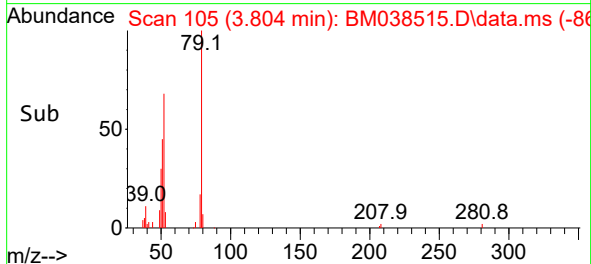
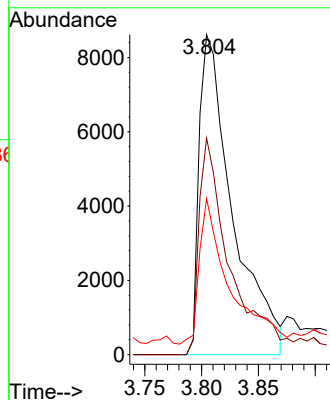
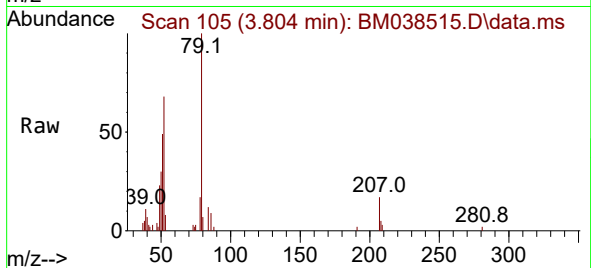




#3
Pyridine
Concen: 4.727 ng
RT: 3.804 min Scan# 103
Delta R.T. 0.012 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

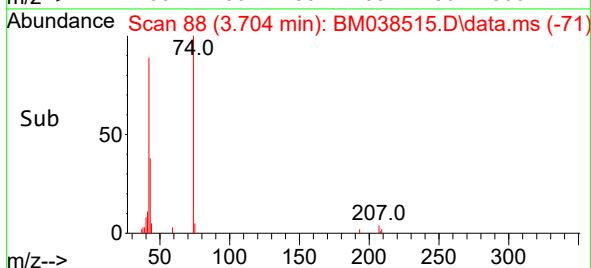
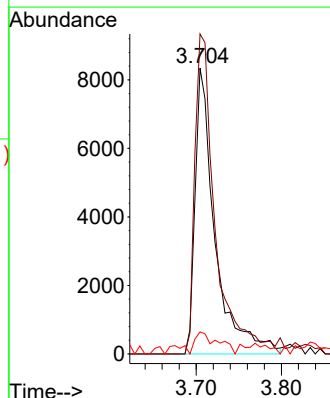
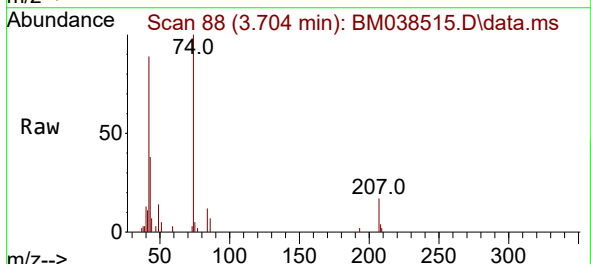
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

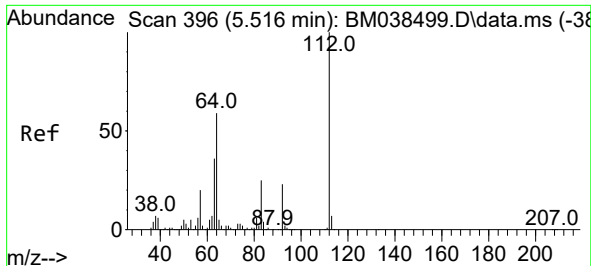
Tgt Ion: 79 Resp: 17678
Ion Ratio Lower Upper
79 100
52 67.7 45.0 67.4#
51 48.8 27.1 40.7#



#4
n-Nitrosodimethylamine
Concen: 7.632 ng
RT: 3.704 min Scan# 88
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 42 Resp: 13548
Ion Ratio Lower Upper
42 100
74 112.0 105.0 157.4
44 7.7 4.1 6.1#

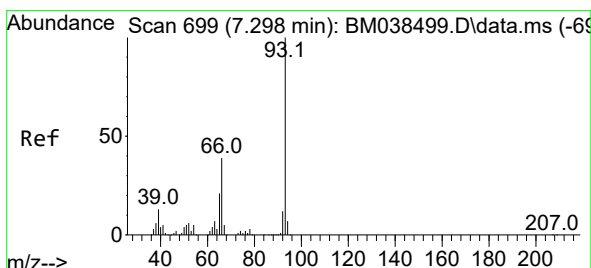
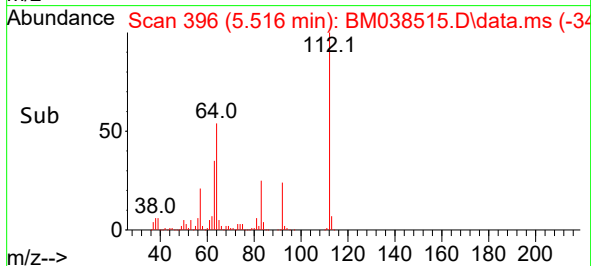
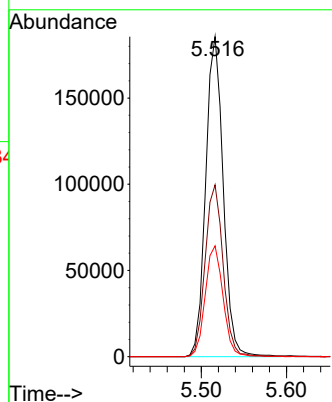
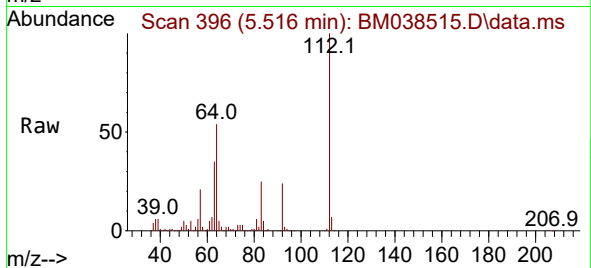




#5
2-Fluorophenol
Concen: 87.328 ng
RT: 5.516 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

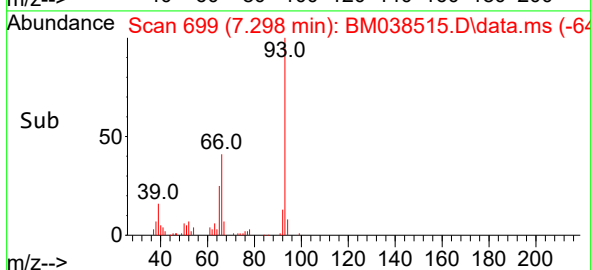
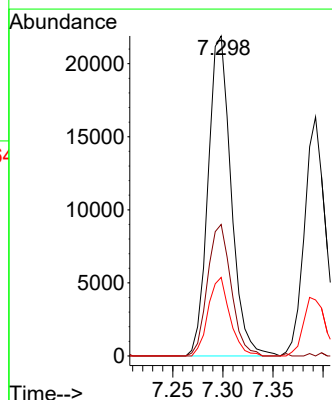
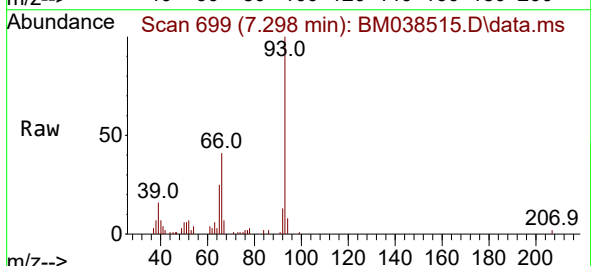
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ClientSampleId :
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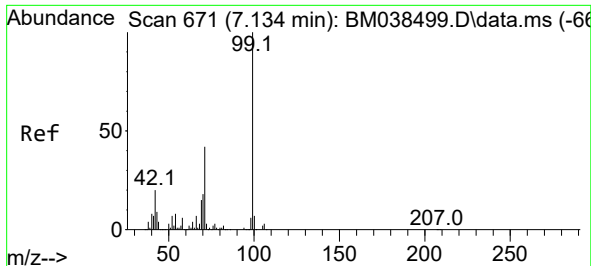
Tgt Ion:112 Resp: 265090
Ion Ratio Lower Upper
112 100
64 53.7 47.3 70.9
63 34.7 28.8 43.2



#6
Aniline
Concen: 7.297 ng
RT: 7.298 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 93 Resp: 35081
Ion Ratio Lower Upper
93 100
66 41.1 31.6 47.4
65 24.6 16.6 24.8

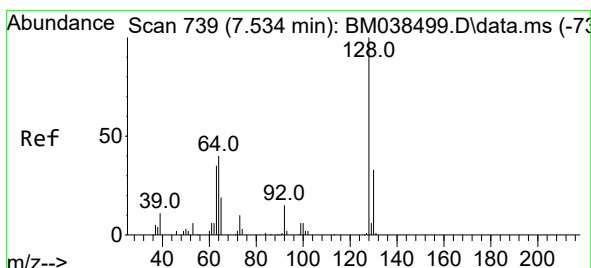
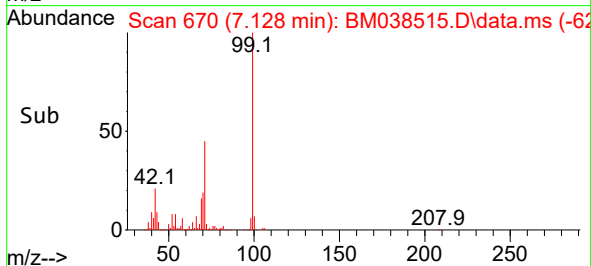
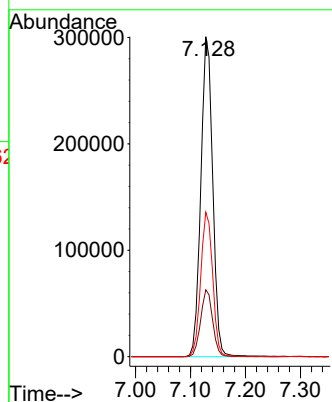
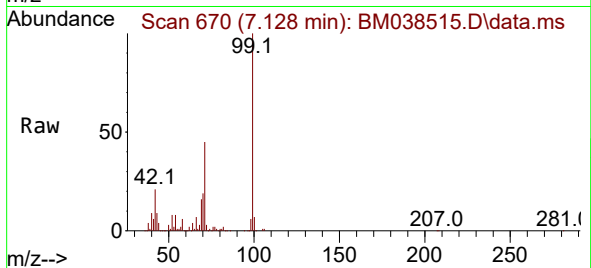




#7
Phenol-d6
Concen: 117.068 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

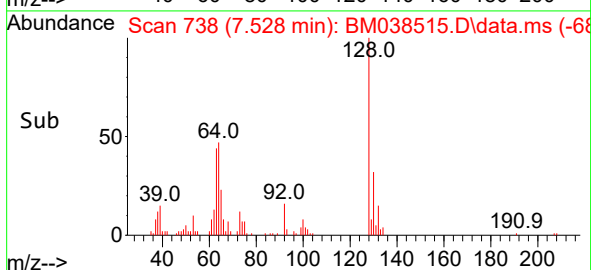
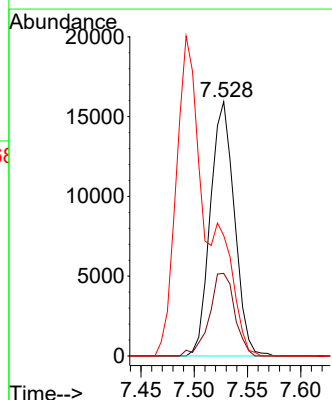
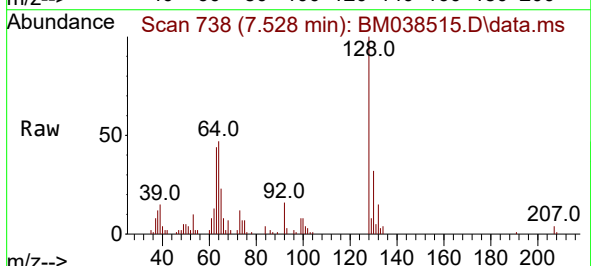
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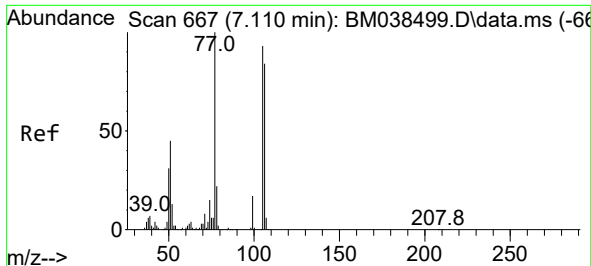
Tgt Ion: 99 Resp: 453410
Ion Ratio Lower Upper
99 100
42 20.9 16.0 24.0
71 45.1 33.8 50.6



#8
2-Chlorophenol
Concen: 8.085 ng
RT: 7.528 min Scan# 738
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 128 Resp: 25071
Ion Ratio Lower Upper
128 100
130 32.4 13.2 53.2
64 47.4 27.7 67.7

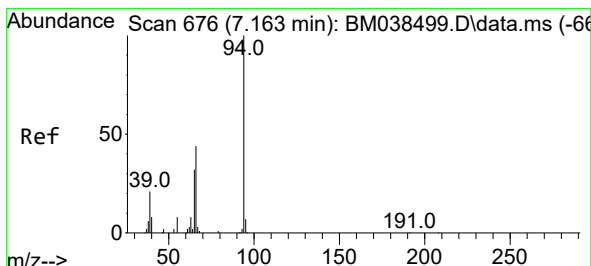
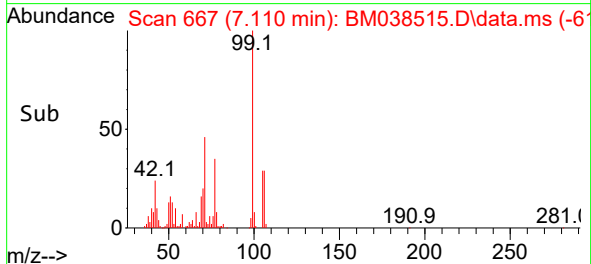
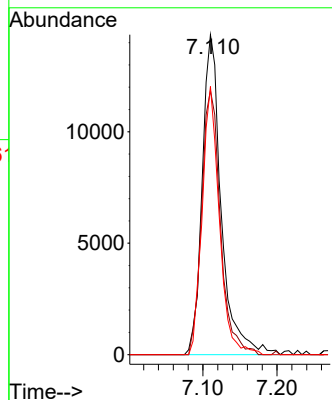
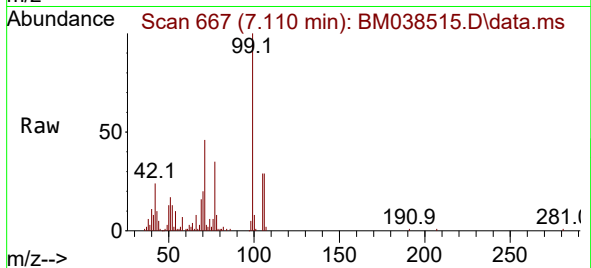




#9
Benzaldehyde
Concen: 11.179 ng
RT: 7.110 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

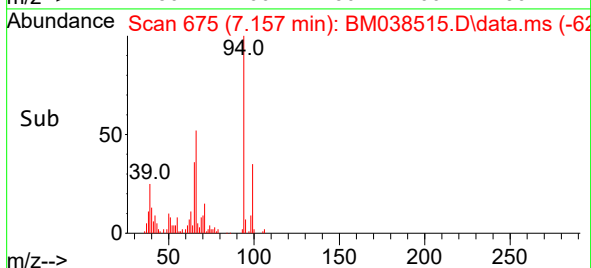
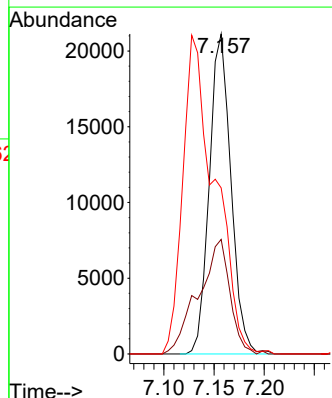
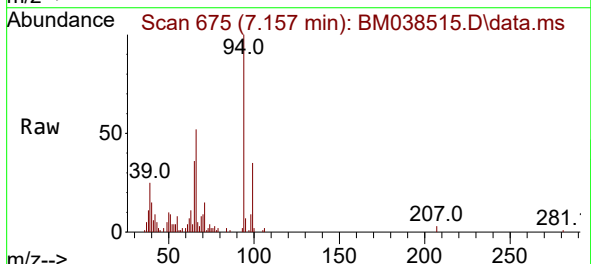
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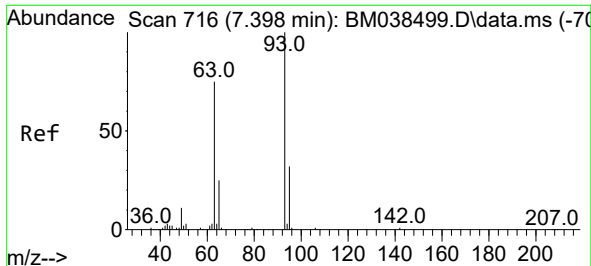
Tgt Ion: 77 Resp: 25682
Ion Ratio Lower Upper
77 100
105 82.6 72.9 112.9
106 83.8 63.8 103.8



#10
Phenol
Concen: 8.197 ng
RT: 7.157 min Scan# 675
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 94 Resp: 31724
Ion Ratio Lower Upper
94 100
65 35.8 12.7 52.7
66 51.9 26.0 66.0

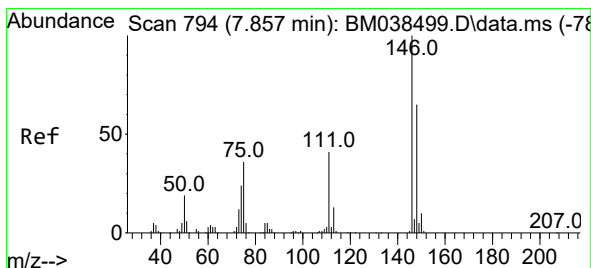
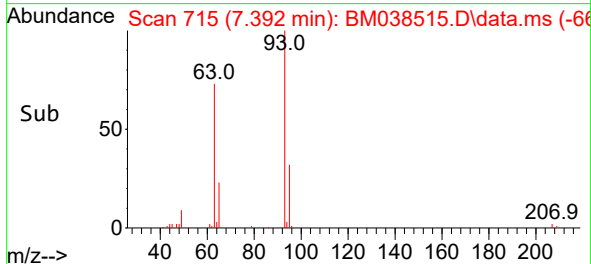
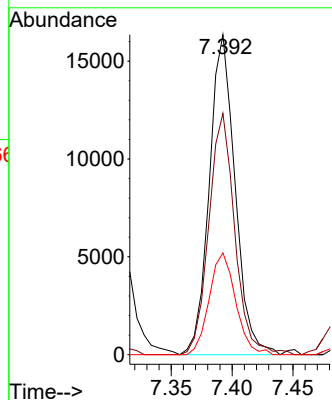
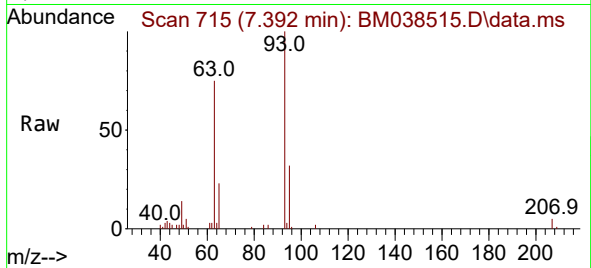




#11
bis(2-Chloroethyl)ether
Concen: 7.862 ng
RT: 7.392 min Scan# 716
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

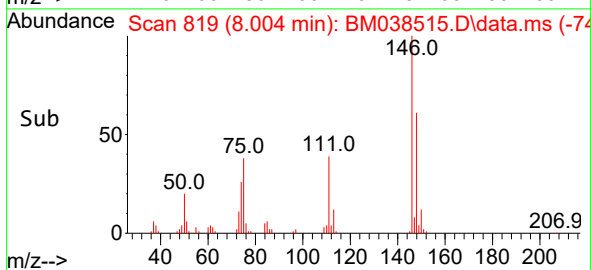
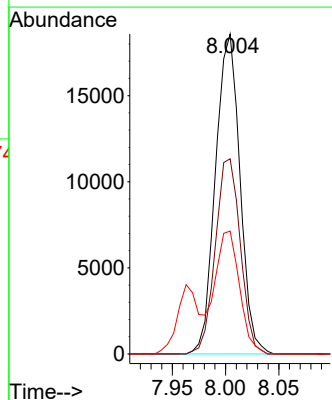
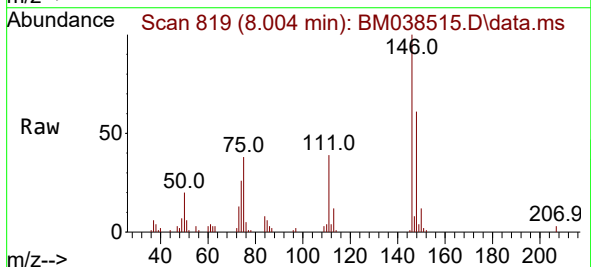
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

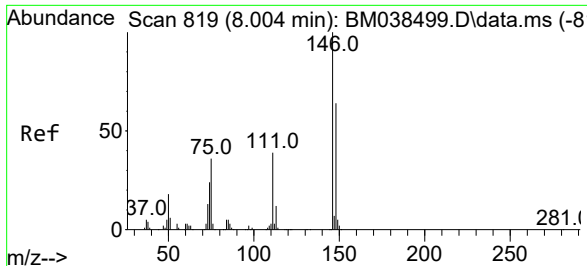
Tgt Ion: 93 Resp: 24007
Ion Ratio Lower Upper
93 100
63 75.4 54.4 94.4
95 31.8 11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 8.400 ng
RT: 8.004 min Scan# 819
Delta R.T. 0.147 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 146 Resp: 29615
Ion Ratio Lower Upper
146 100
148 61.0 52.1 78.1
75 38.4 28.7 43.1

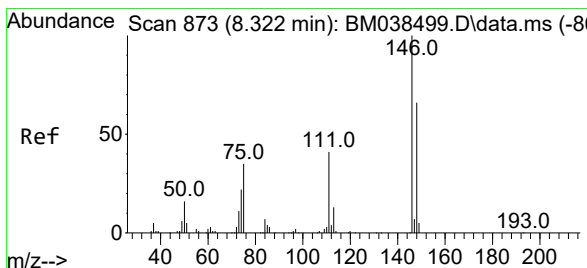
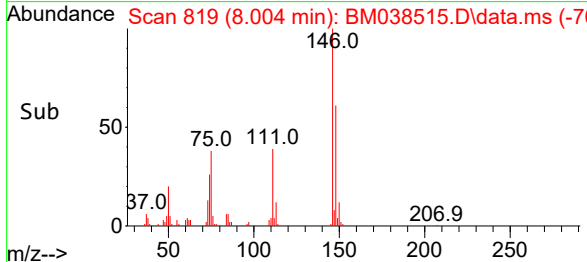
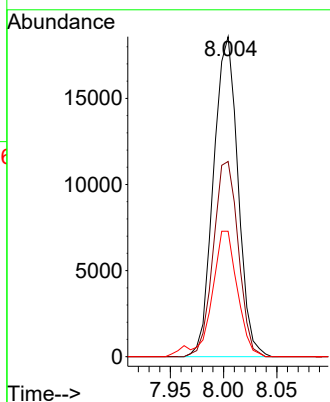
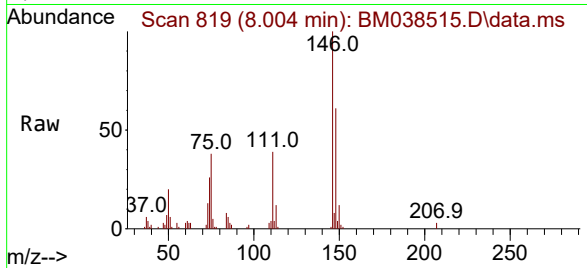




#13
1,4-Dichlorobenzene
Concen: 8.314 ng
RT: 8.004 min Scan# 819
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

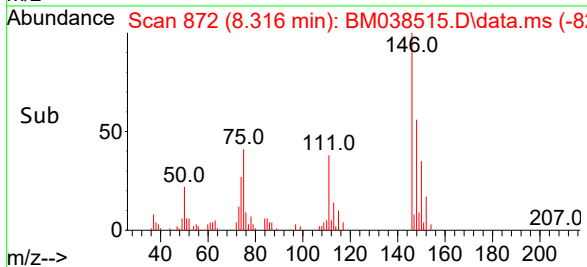
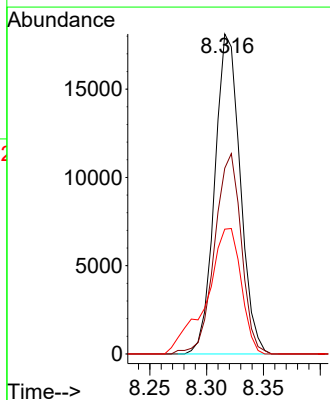
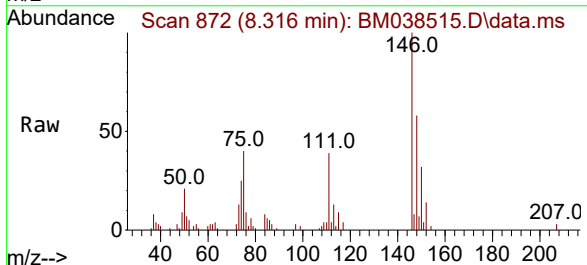
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

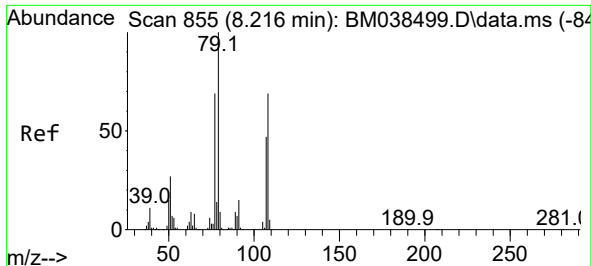
Tgt Ion:	146	Resp:	29615
Ion Ratio	Lower	Upper	
146	100		
148	61.0	51.3	76.9
111	39.2	31.4	47.0



#14
1,2-Dichlorobenzene
Concen: 8.182 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:	146	Resp:	28232
Ion Ratio	Lower	Upper	
146	100		
148	58.1	52.7	79.1
111	39.0	33.2	49.8

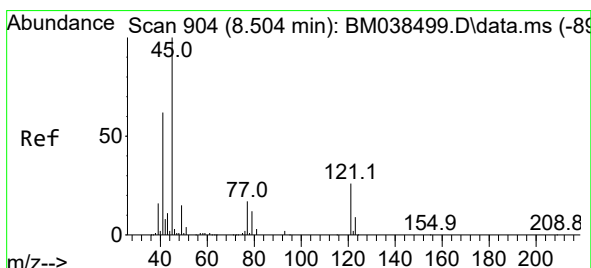
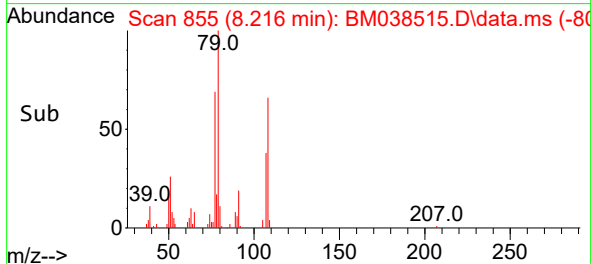
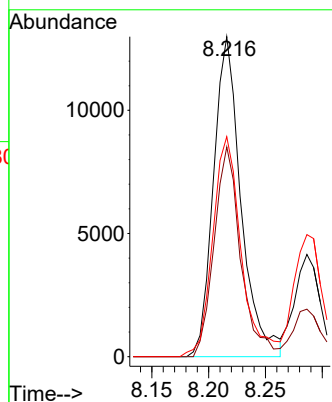
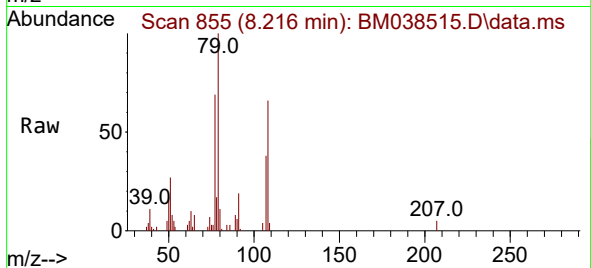




#15
Benzyl Alcohol
Concen: 7.562 ng
RT: 8.216 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

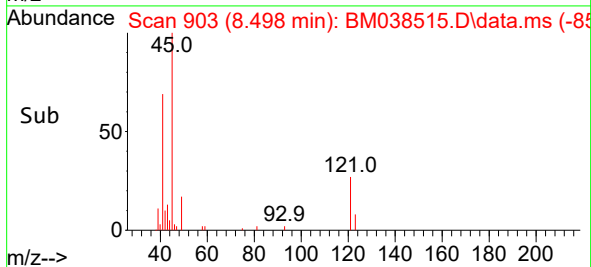
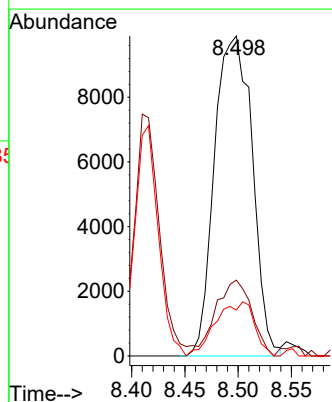
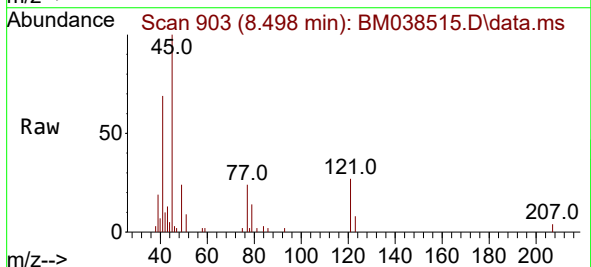
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

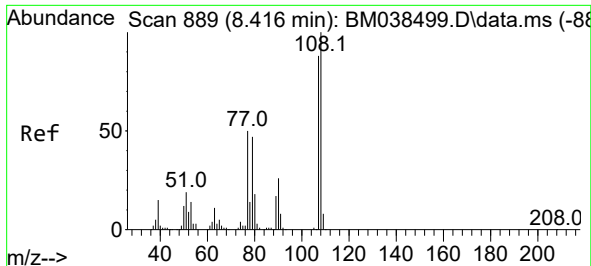
Tgt Ion: 79 Resp: 21897
Ion Ratio Lower Upper
79 100
108 65.6 55.0 82.6
77 68.7 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.606 ng
RT: 8.498 min Scan# 903
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 45 Resp: 24390
Ion Ratio Lower Upper
45 100
77 23.7 0.0 39.2
79 14.3 0.0 34.9

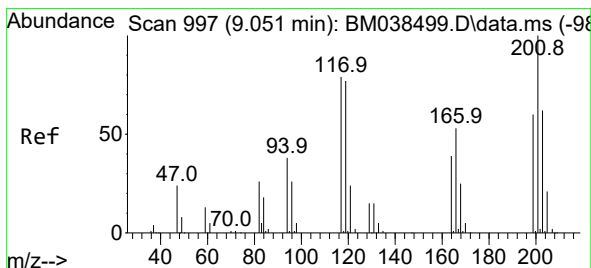
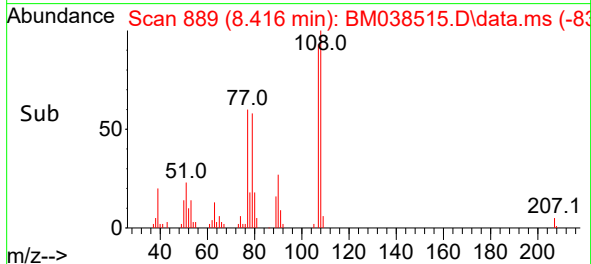
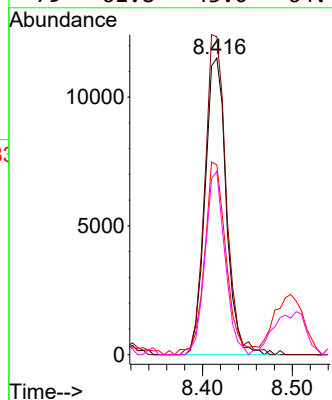
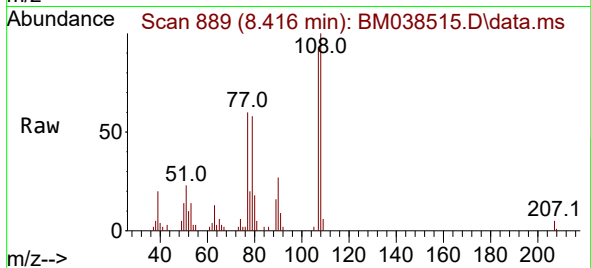




#17
2-Methylphenol
Concen: 6.886 ng
RT: 8.416 min Scan# 889
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

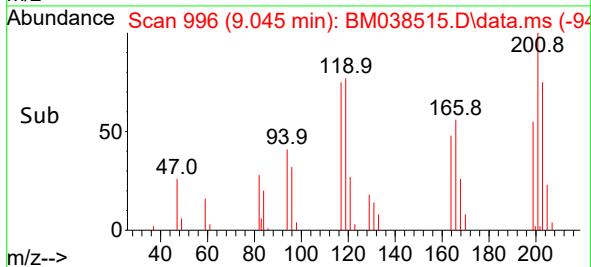
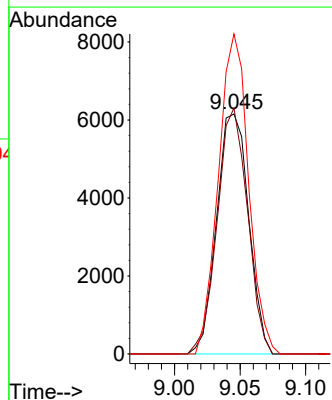
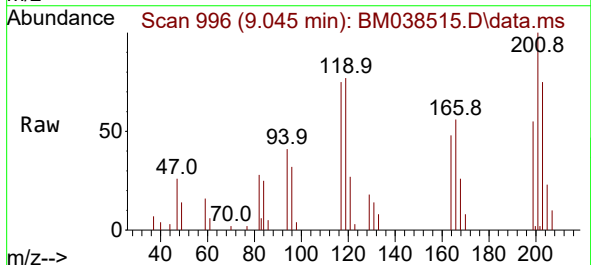
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

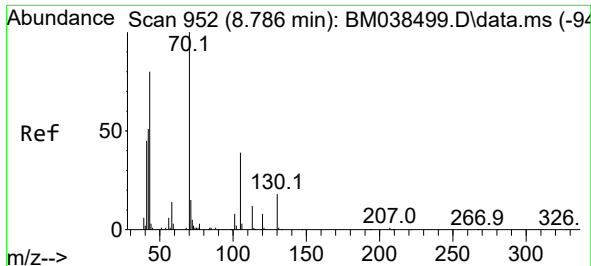
Tgt Ion:	107	Resp:	18861
Ion	Ratio	Lower	Upper
107	100		
108	107.2	90.8	136.2
77	64.0	46.1	69.1
79	61.8	43.0	64.4



#18
Hexachloroethane
Concen: 7.905 ng
RT: 9.045 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:	117	Resp:	10468
Ion	Ratio	Lower	Upper
117	100		
119	102.5	77.9	116.9
201	136.4	100.6	151.0

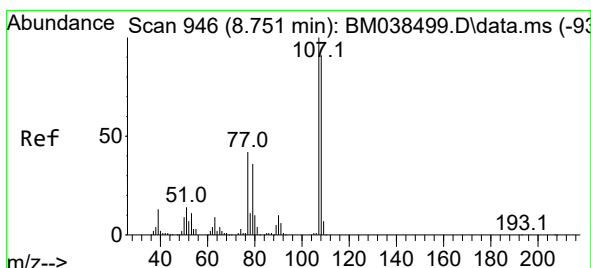
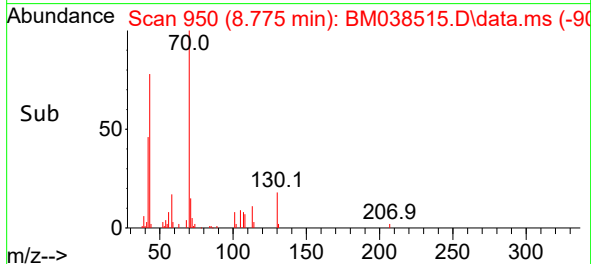
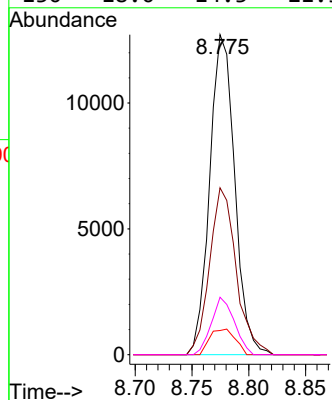
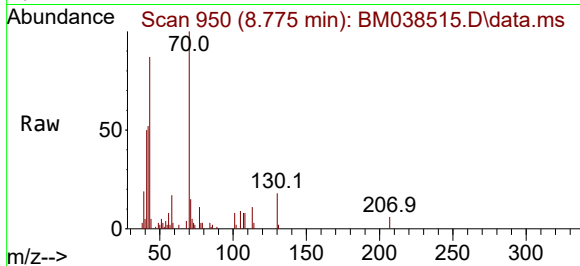




#19
n-Nitroso-di-n-propylamine
Concen: 7.216 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

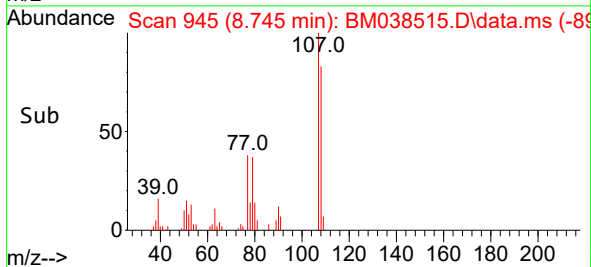
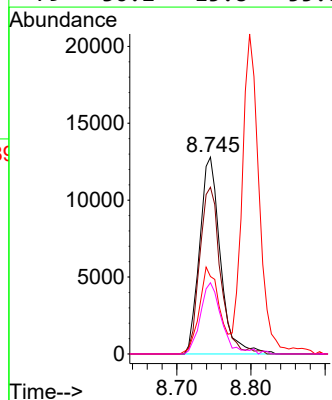
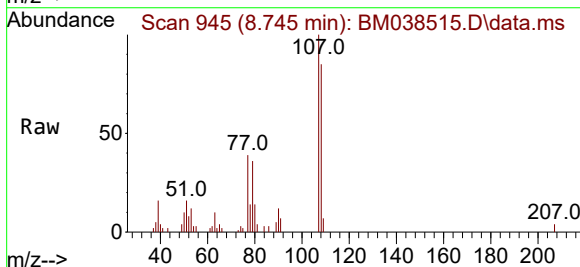
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

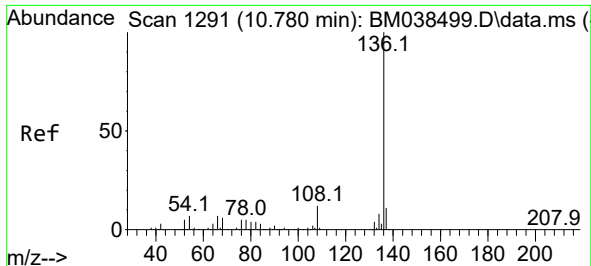
Tgt Ion:	70	Resp:	19458
Ion	Ratio	Lower	Upper
70	100		
42	52.2	41.4	62.2
101	7.6	6.5	9.7
130	18.0	14.3	21.5



#20
3+4-Methylphenols
Concen: 6.786 ng
RT: 8.745 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:	107	Resp:	24914
Ion	Ratio	Lower	Upper
107	100		
108	84.7	70.7	110.7
77	39.4	22.0	62.0
79	36.2	15.8	55.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038515.D

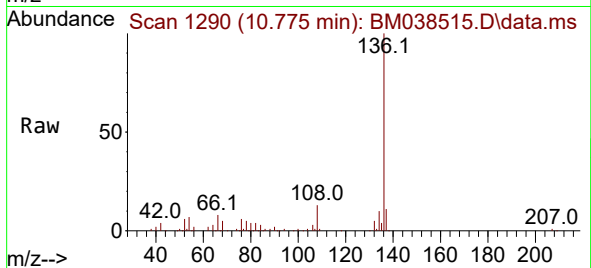
Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:136 Resp: 163211

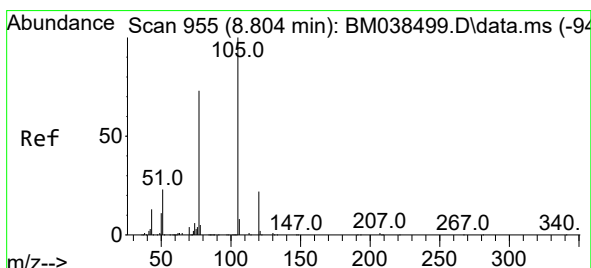
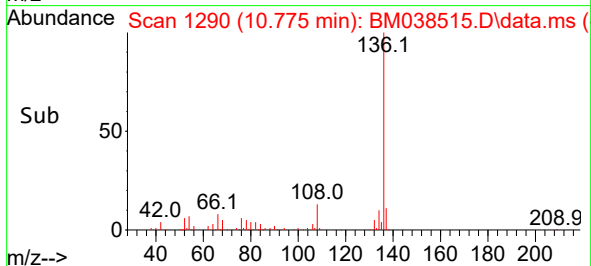
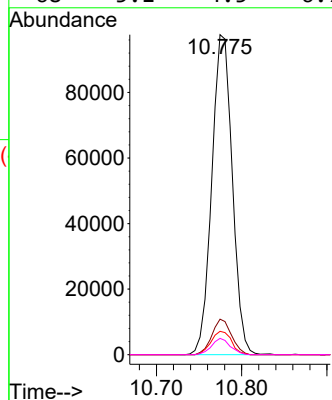
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.3 6.0 9.0

68 5.1 4.5 6.7



#22

Acetophenone

Concen: 8.288 ng

RT: 8.798 min Scan# 954

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Tgt Ion:105 Resp: 37266

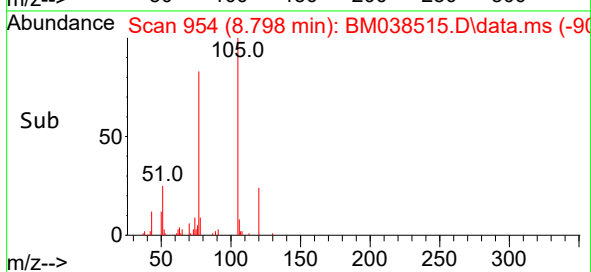
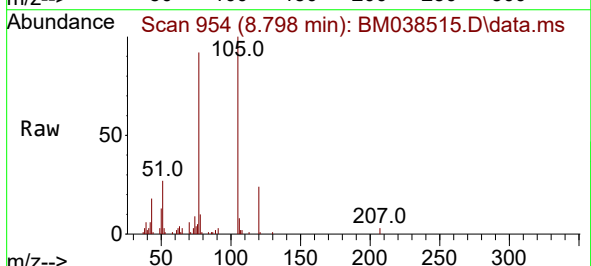
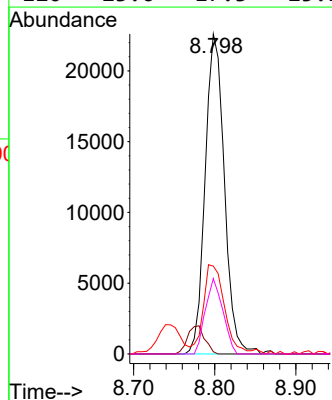
Ion Ratio Lower Upper

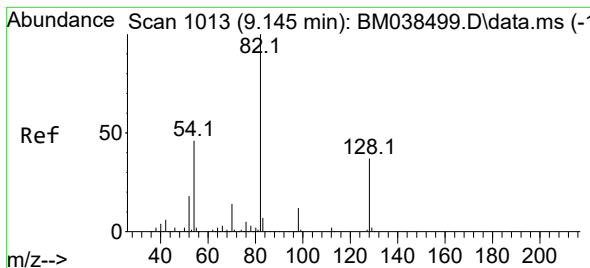
105 100

71 0.7 0.9 1.3#

51 27.5 21.8 32.8

120 23.6 17.3 25.9





#23

Nitrobenzene-d5

Concen: 77.396 ng

RT: 9.139 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

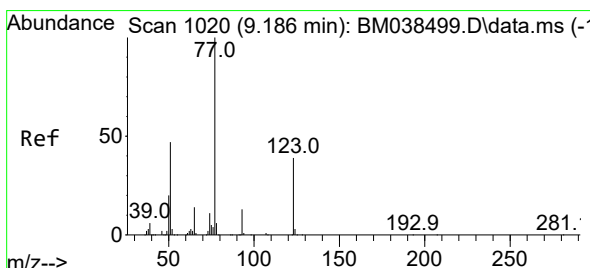
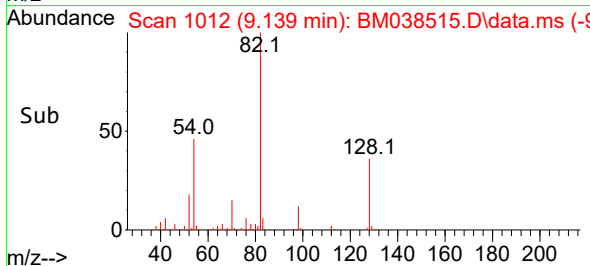
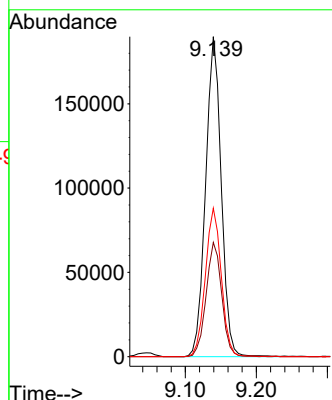
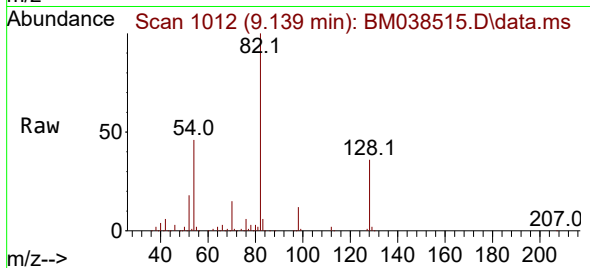
Tgt Ion: 82 Resp: 290889

Ion Ratio Lower Upper

82 100

128 35.7 29.3 43.9

54 46.4 36.9 55.3



#24

Nitrobenzene

Concen: 8.332 ng

RT: 9.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

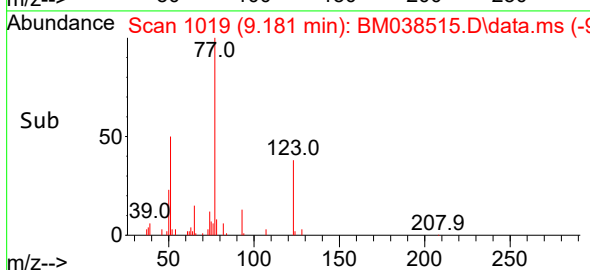
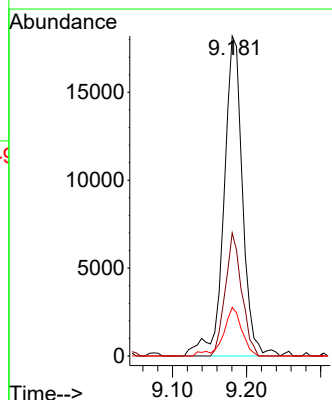
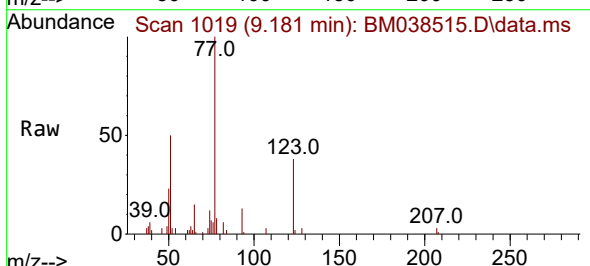
Tgt Ion: 77 Resp: 31685

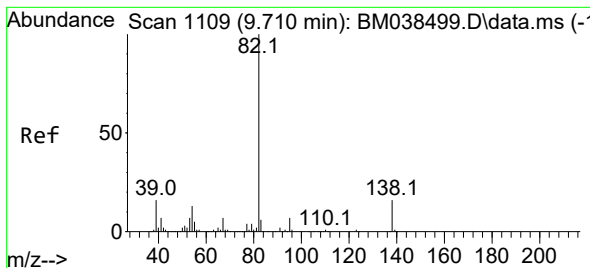
Ion Ratio Lower Upper

77 100

123 38.4 31.5 47.3

65 15.2 11.2 16.8





#25

Isophorone

Concen: 7.691 ng

RT: 9.704 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

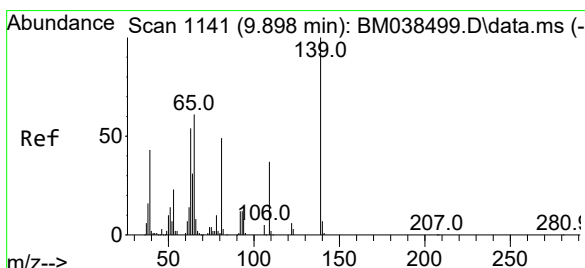
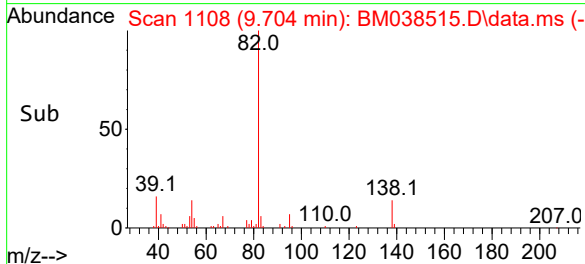
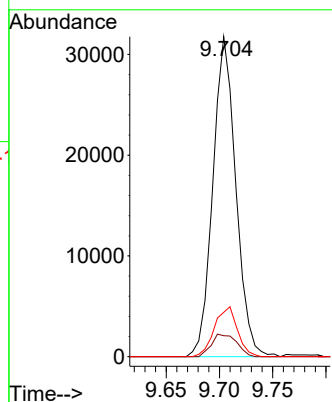
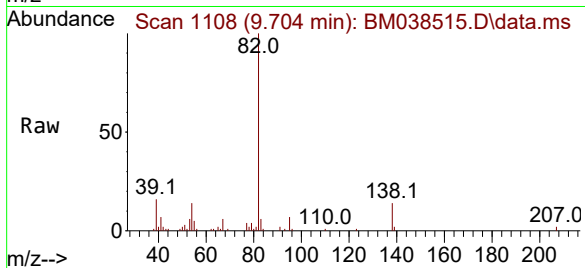
Tgt Ion: 82 Resp: 47701

Ion Ratio Lower Upper

82 100

95 6.5 5.6 8.4

138 13.9 13.2 19.8



#26

2-Nitrophenol

Concen: 6.941 ng

RT: 9.898 min Scan# 1141

Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

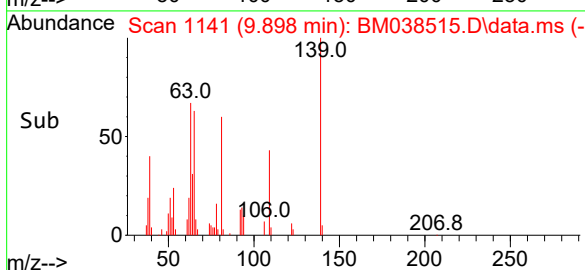
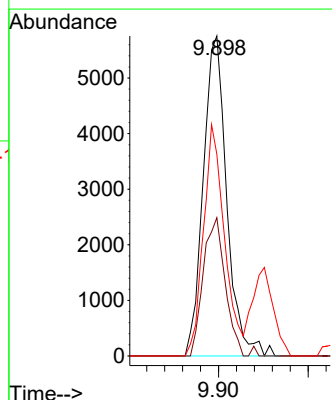
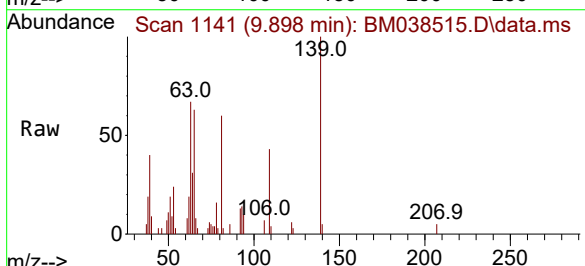
Tgt Ion: 139 Resp: 10477

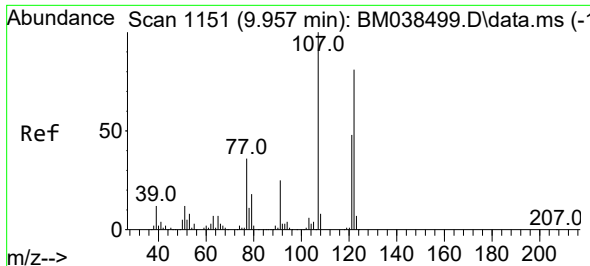
Ion Ratio Lower Upper

139 100

109 43.2 29.3 43.9

65 63.0 48.6 72.8

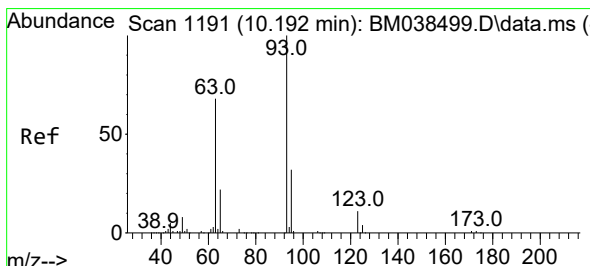
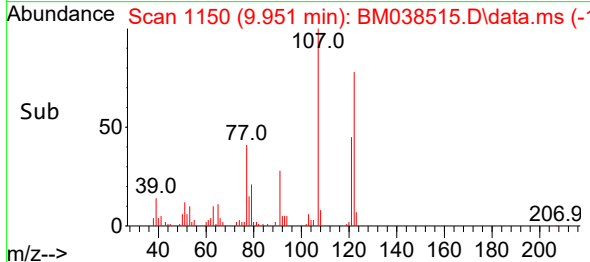
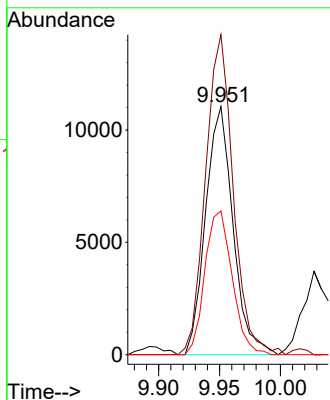
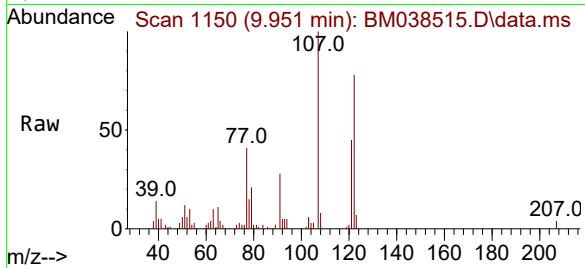




#27
2,4-Dimethylphenol
Concen: 6.909 ng
RT: 9.951 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

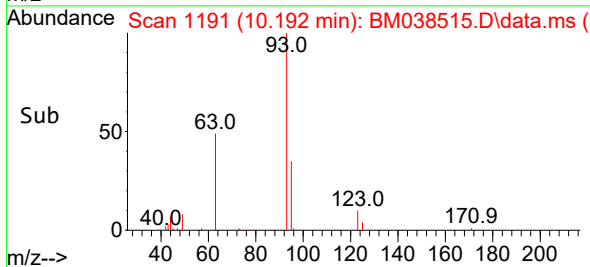
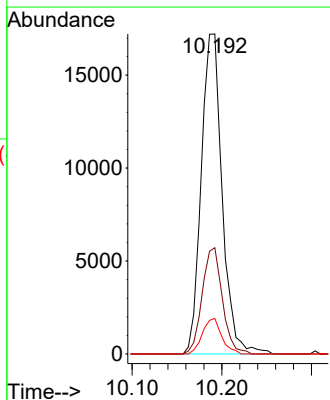
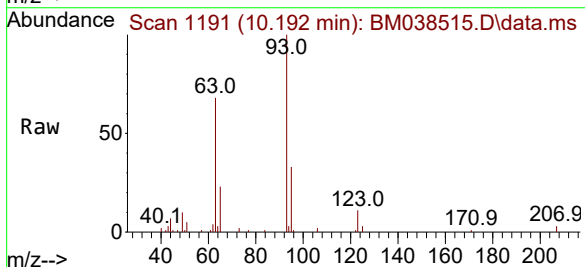
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

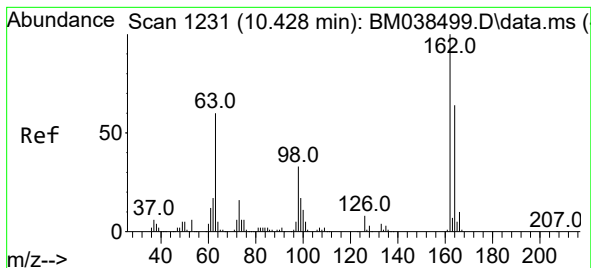
Tgt Ion:122 Resp: 17356
Ion Ratio Lower Upper
122 100
107 128.9 98.2 147.2
121 58.0 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 7.688 ng
RT: 10.192 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 93 Resp: 27896
Ion Ratio Lower Upper
93 100
95 33.2 25.3 37.9
123 11.1 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 7.387 ng

RT: 10.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

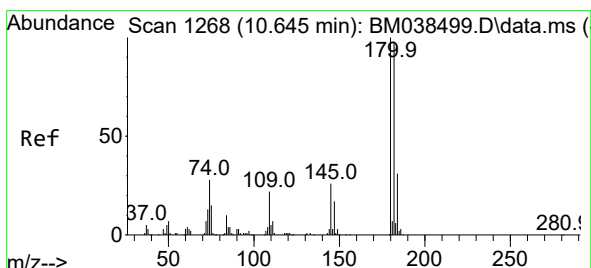
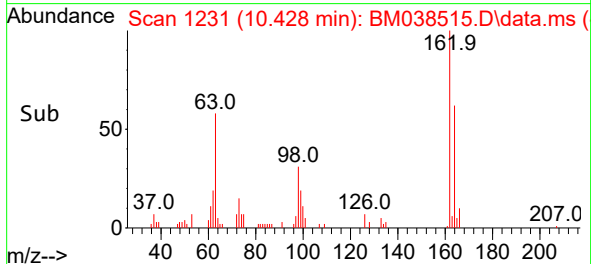
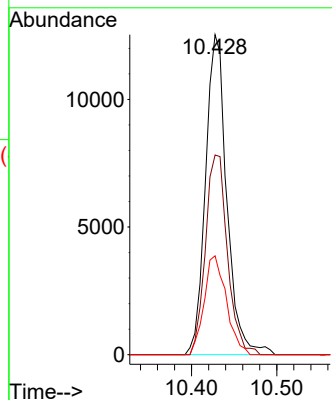
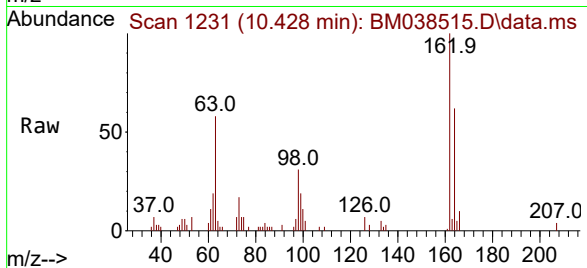
Tgt Ion:162 Resp: 21771

Ion Ratio Lower Upper

162 100

164 62.4 43.7 83.7

98 30.9 12.9 52.9



#30

1,2,4-Trichlorobenzene

Concen: 8.028 ng

RT: 10.639 min Scan# 1267

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

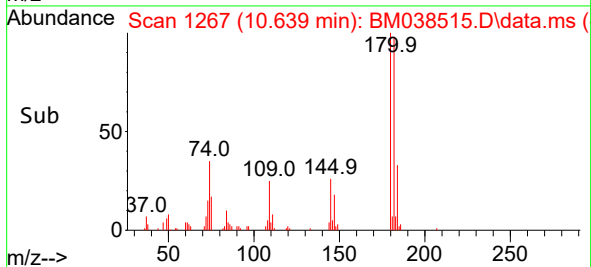
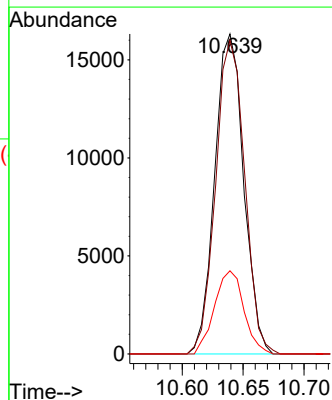
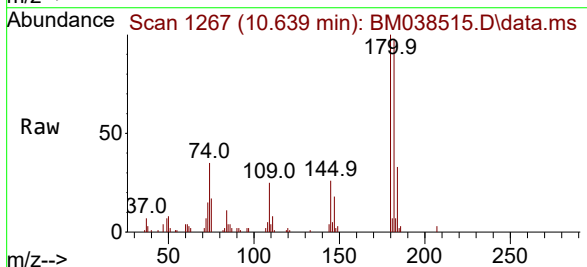
Tgt Ion:180 Resp: 27059

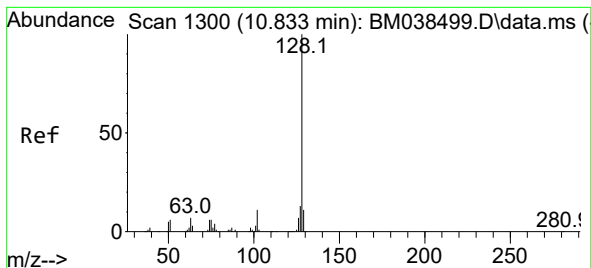
Ion Ratio Lower Upper

180 100

182 98.0 78.3 117.5

145 26.0 21.0 31.6





#31

Naphthalene

Concen: 7.443 ng

RT: 10.827 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

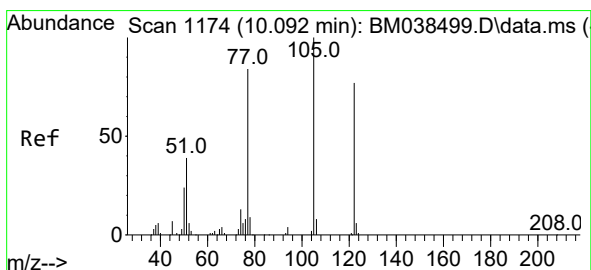
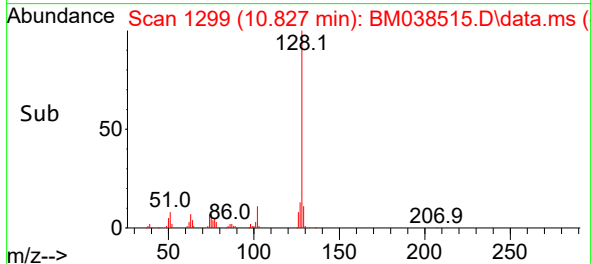
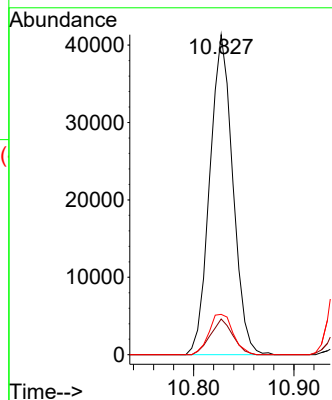
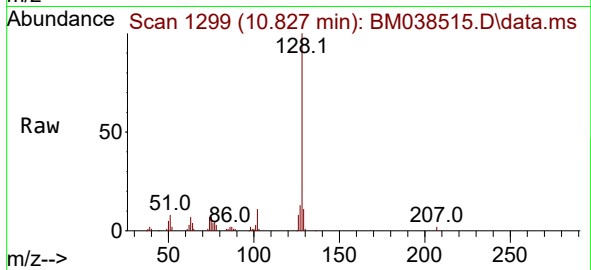
Tgt Ion:128 Resp: 65990

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 12.6 10.3 15.5



#32

Benzoic acid

Concen: 9.156 ng

RT: 10.028 min Scan# 1163

Delta R.T. -0.064 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

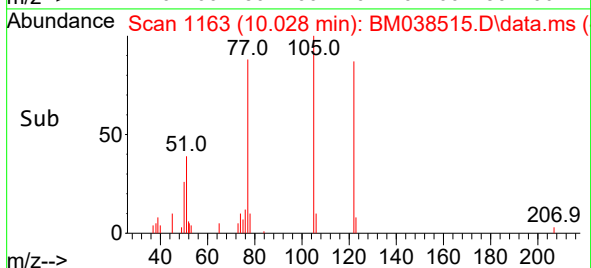
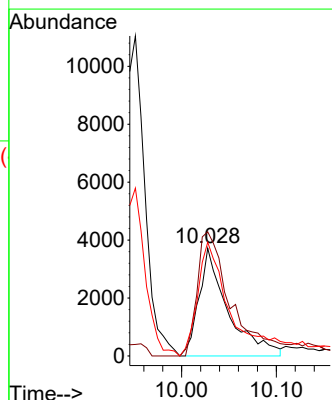
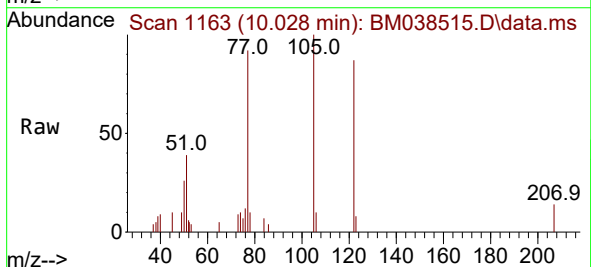
Tgt Ion:122 Resp: 7942

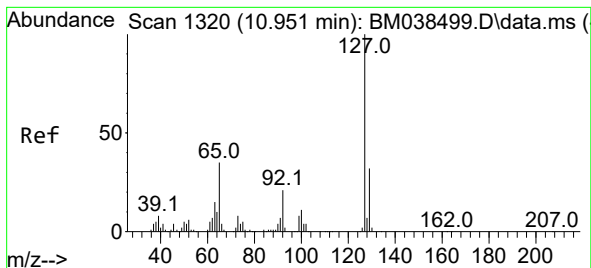
Ion Ratio Lower Upper

122 100

105 115.4 107.9 147.9

77 105.7 88.6 128.6





#33

4-Chloroaniline

Concen: 6.840 ng

RT: 10.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:127 Resp: 25313

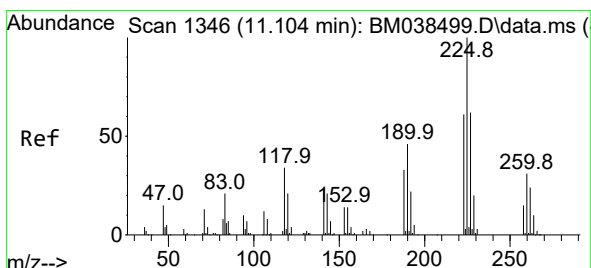
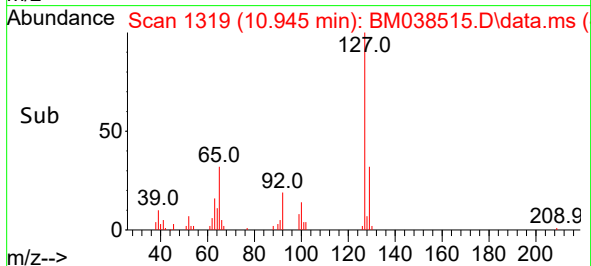
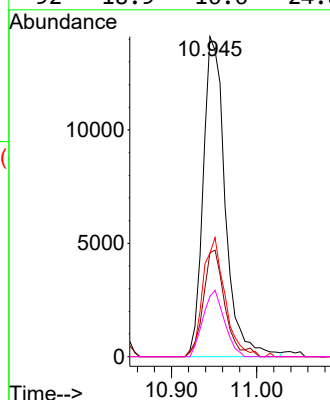
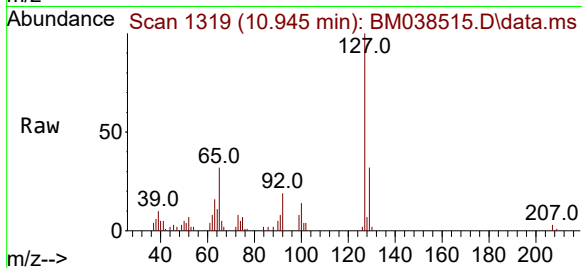
Ion Ratio Lower Upper

127 100

129 32.4 25.8 38.6

65 32.4 28.2 42.2

92 18.9 16.6 24.8



#34

Hexachlorobutadiene

Concen: 8.366 ng

RT: 11.098 min Scan# 1345

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

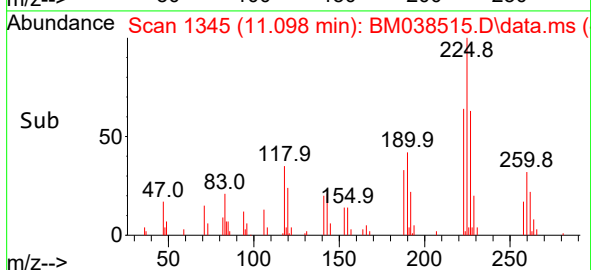
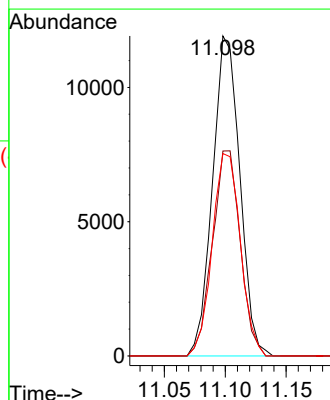
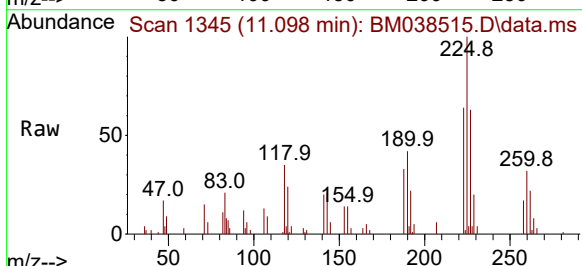
Tgt Ion:225 Resp: 18548

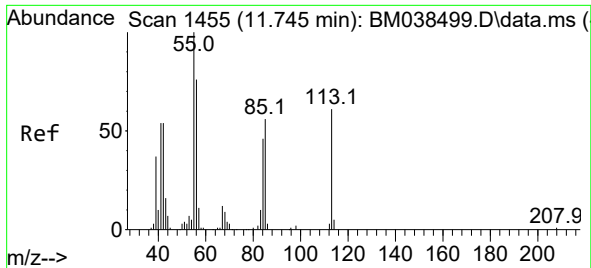
Ion Ratio Lower Upper

225 100

223 66.1 48.8 73.2

227 63.3 49.4 74.0

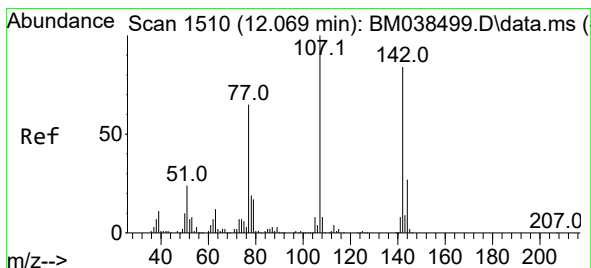
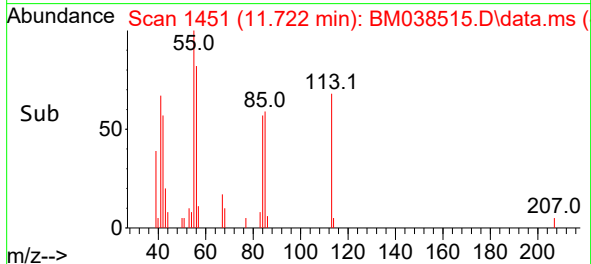
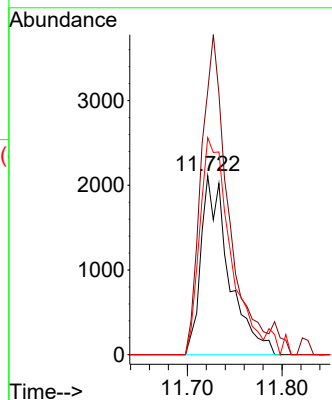
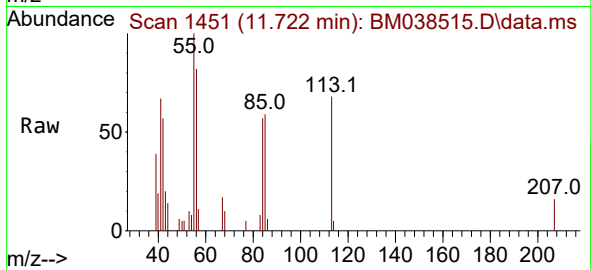




#35
 Caprolactam
 Concen: 6.075 ng
 RT: 11.722 min Scan# 1451
 Delta R.T. -0.024 min
 Lab File: BM038515.D
 Acq: 23 Jan 2023 19:03

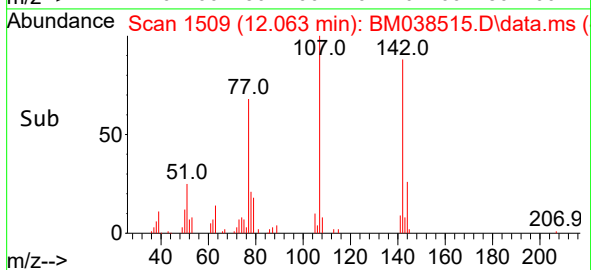
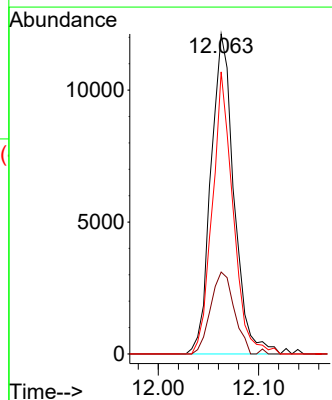
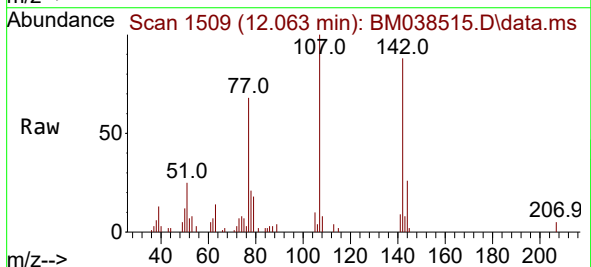
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

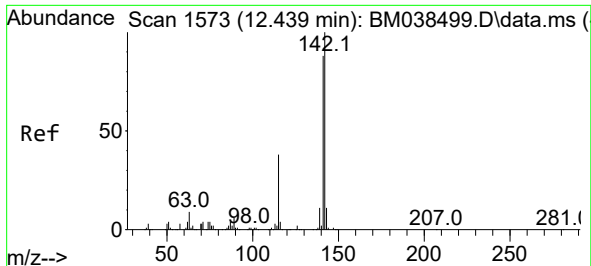
Tgt Ion:	113	Resp:	4341
Ion	Ratio	Lower	Upper
113	100		
55	147.3	145.0	185.0
56	121.3	105.7	145.7



#36
 4-Chloro-3-methylphenol
 Concen: 7.250 ng
 RT: 12.063 min Scan# 1509
 Delta R.T. -0.006 min
 Lab File: BM038515.D
 Acq: 23 Jan 2023 19:03

Tgt Ion:	107	Resp:	19431
Ion	Ratio	Lower	Upper
107	100		
144	25.6	22.0	33.0
142	88.2	67.5	101.3

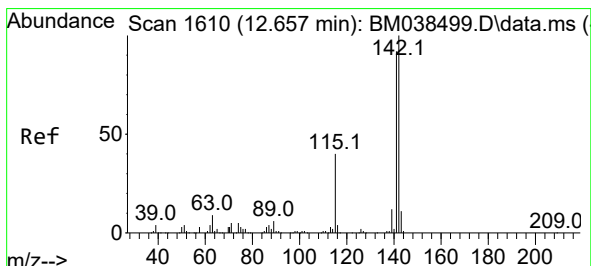
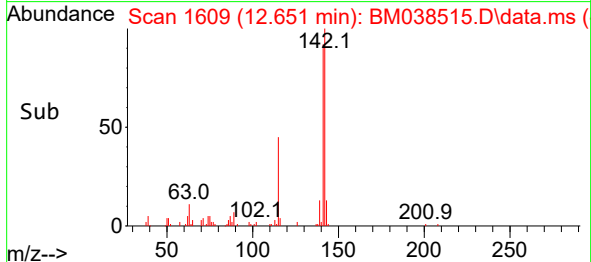
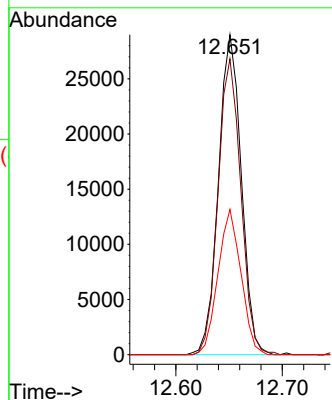
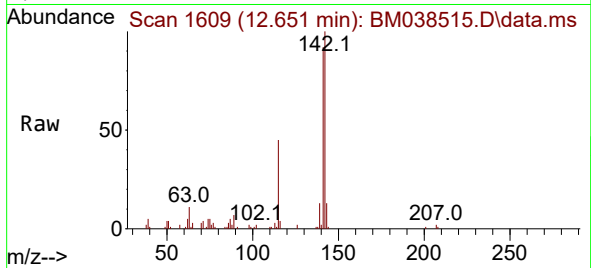




#37
2-Methylnaphthalene
Concen: 6.790 ng
RT: 12.651 min Scan# 1609
Delta R.T. 0.212 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

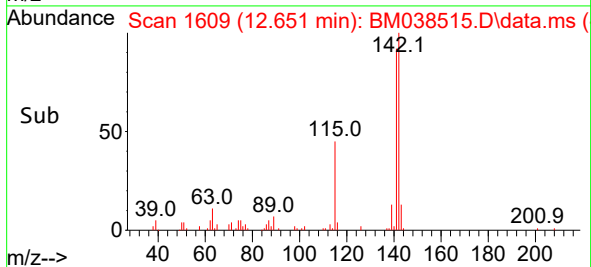
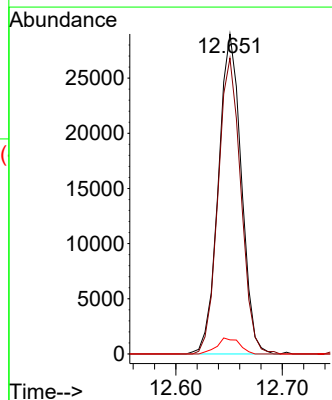
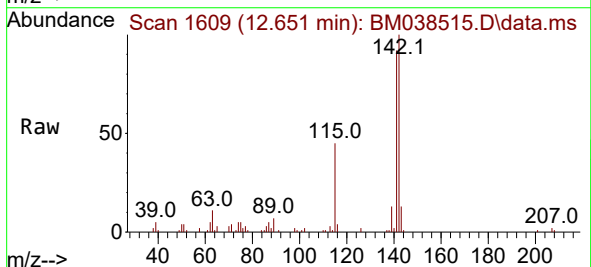
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

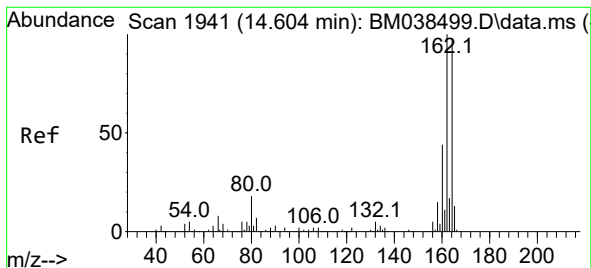
Tgt Ion:142 Resp: 43266
Ion Ratio Lower Upper
142 100
141 92.5 70.7 106.1
115 45.4 30.4 45.6



#38
1-Methylnaphthalene
Concen: 7.199 ng
RT: 12.651 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:142 Resp: 43266
Ion Ratio Lower Upper
142 100
141 92.5 73.4 110.0
116 4.4 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

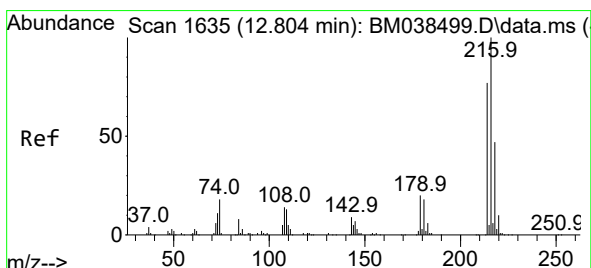
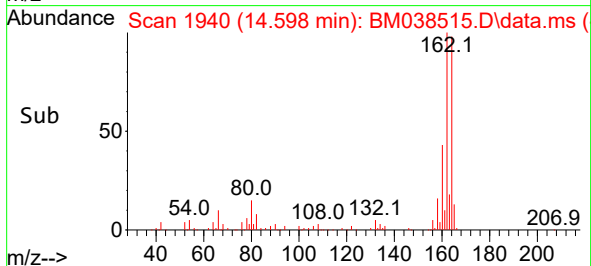
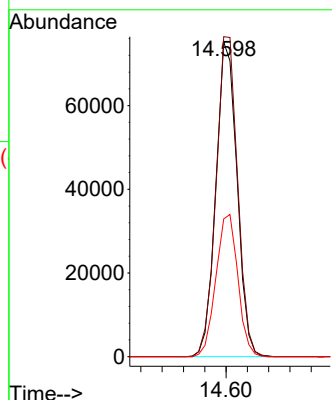
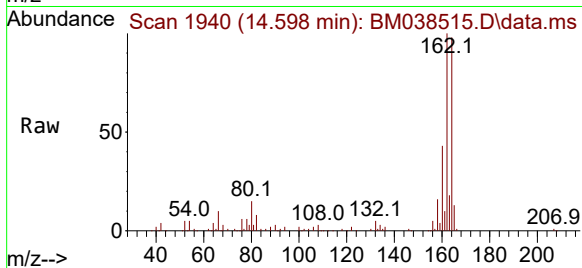
Tgt Ion:164 Resp: 103607

Ion Ratio Lower Upper

164 100

162 101.7 82.0 123.0

160 43.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.066 ng

RT: 12.798 min Scan# 1634

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Tgt Ion:216 Resp: 31436

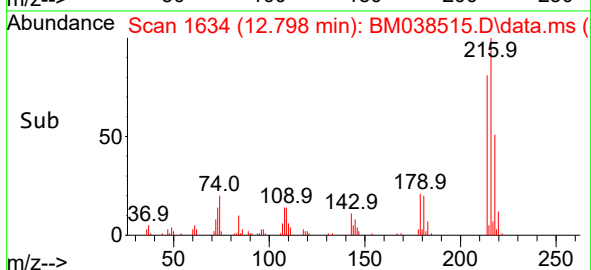
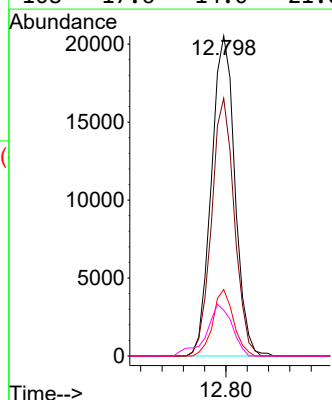
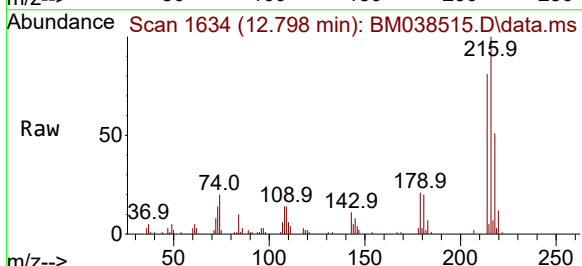
Ion Ratio Lower Upper

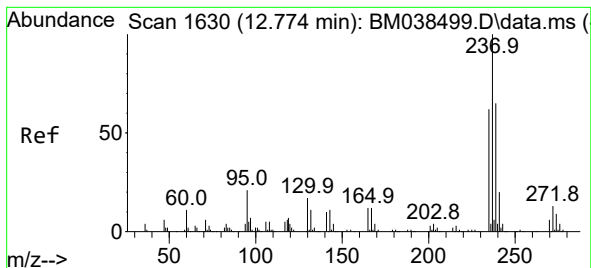
216 100

214 78.0 61.4 92.0

179 18.3 15.7 23.5

108 17.6 14.0 21.0





#41

Hexachlorocyclopentadiene

Concen: 7.553 ng

RT: 12.769 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

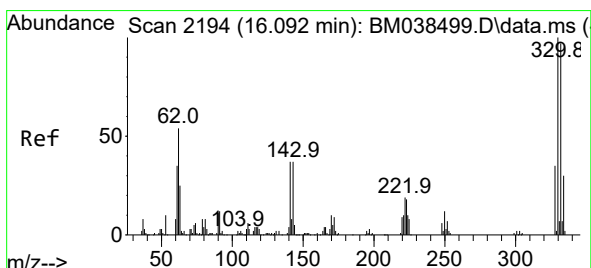
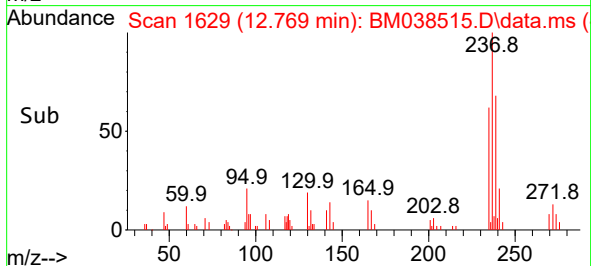
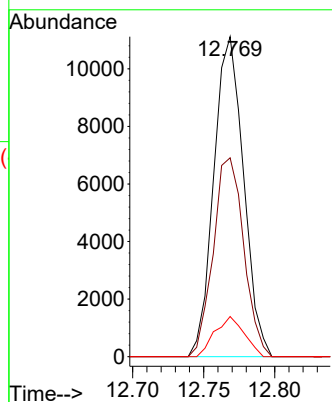
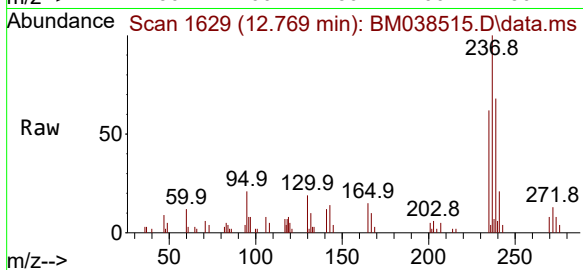
Tgt Ion:237 Resp: 16179

Ion Ratio Lower Upper

237 100

235 62.2 42.3 82.3

272 12.6 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 135.927 ng

RT: 16.086 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

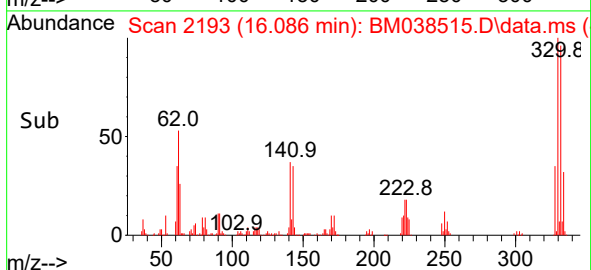
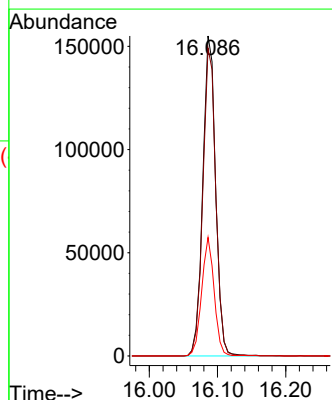
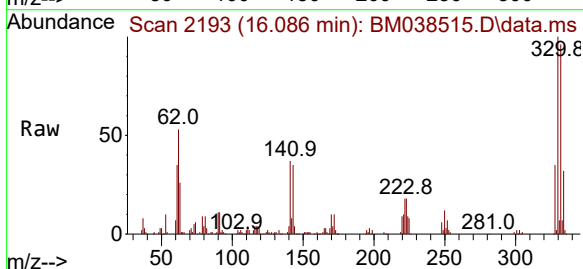
Tgt Ion:330 Resp: 202799

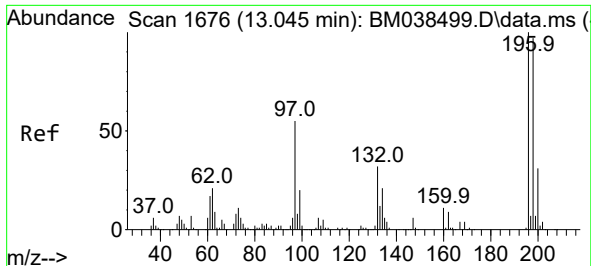
Ion Ratio Lower Upper

330 100

332 97.1 77.5 116.3

141 36.3 29.0 43.4

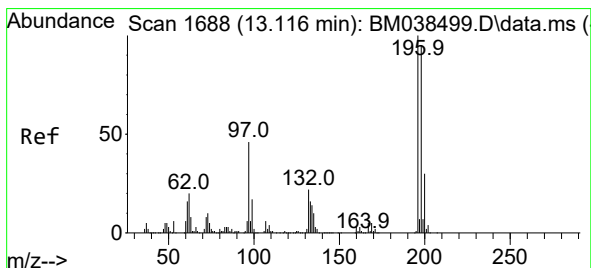
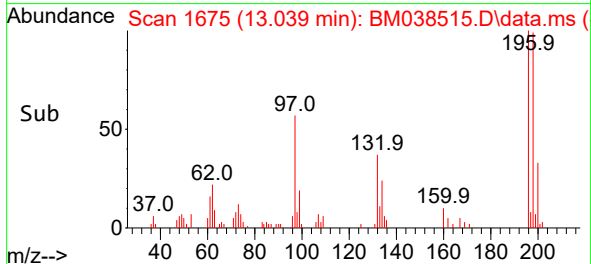
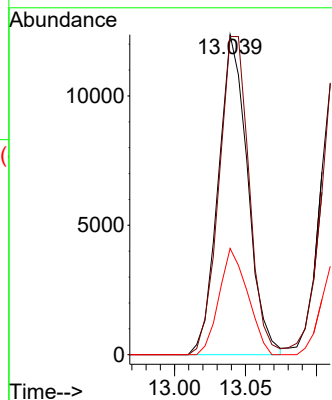
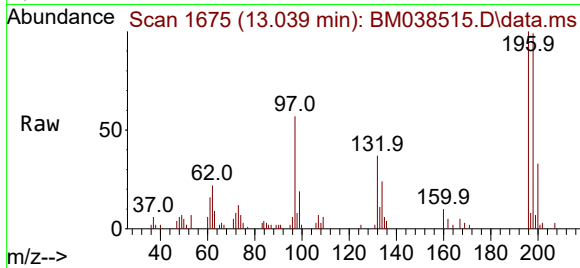




#43
2,4,6-Trichlorophenol
Concen: 7.136 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

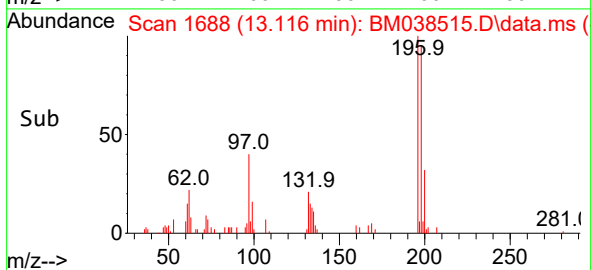
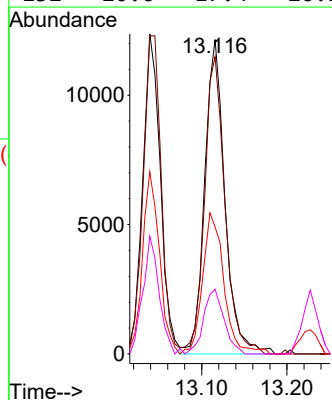
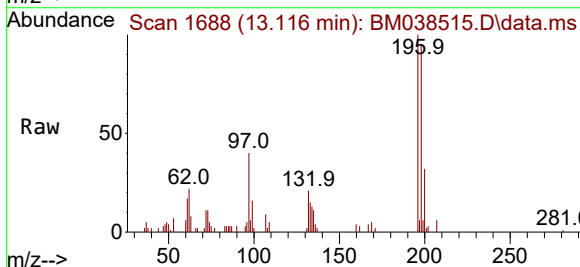
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

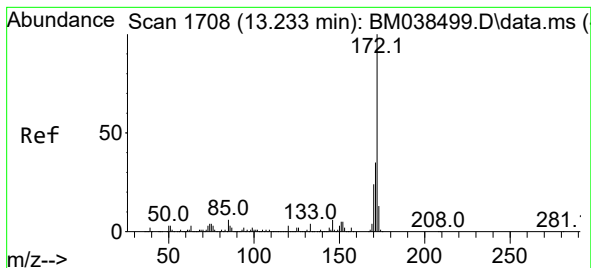
Tgt Ion:196 Resp: 17803
Ion Ratio Lower Upper
196 100
198 99.4 77.9 116.9
200 33.2 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 6.884 ng
RT: 13.116 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:196 Resp: 20116
Ion Ratio Lower Upper
196 100
198 94.6 76.0 114.0
97 40.4 36.9 55.3
132 20.6 17.4 26.2





#45

2-Fluorobiphenyl

Concen: 77.545 ng

RT: 13.227 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

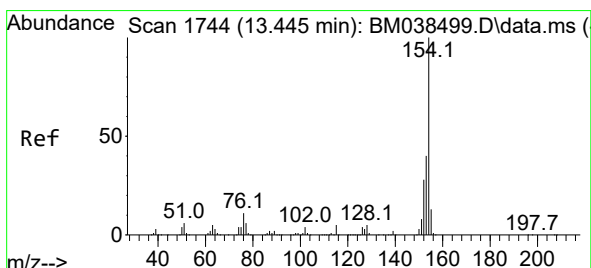
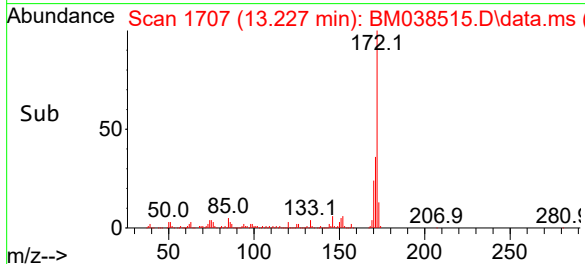
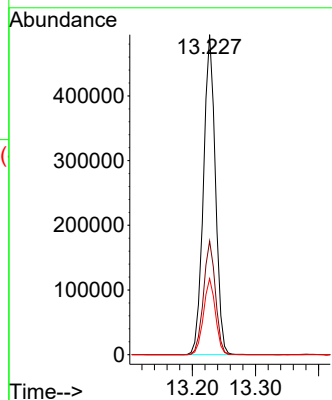
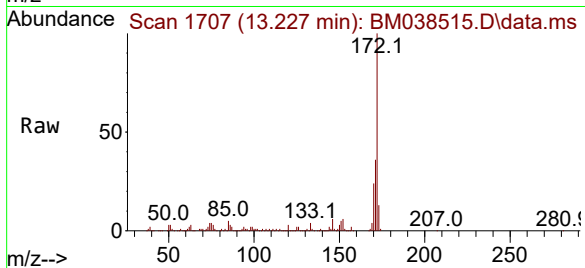
Tgt Ion:172 Resp: 652219

Ion Ratio Lower Upper

172 100

171 35.5 28.0 42.0

170 23.8 19.5 29.3



#46

1,1'-Biphenyl

Concen: 7.691 ng

RT: 13.439 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

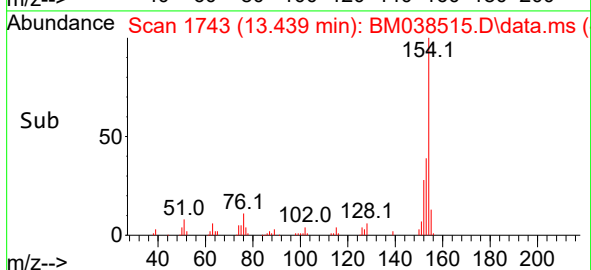
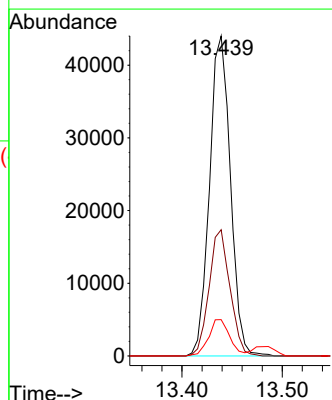
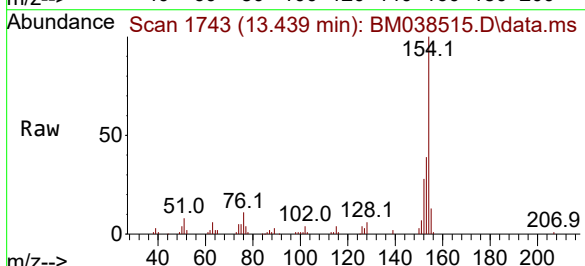
Tgt Ion:154 Resp: 63817

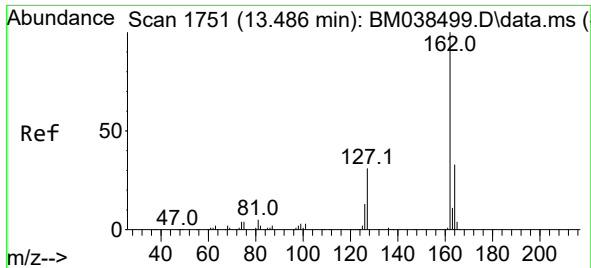
Ion Ratio Lower Upper

154 100

153 39.5 20.1 60.1

76 11.3 0.0 31.3

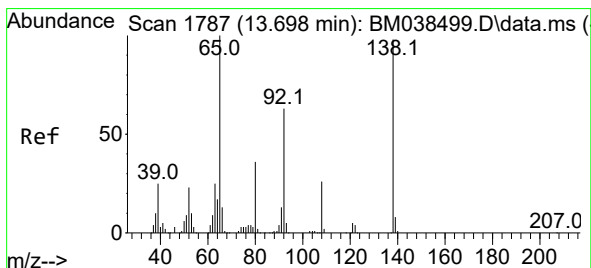
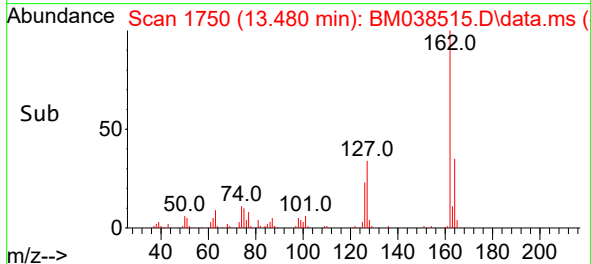
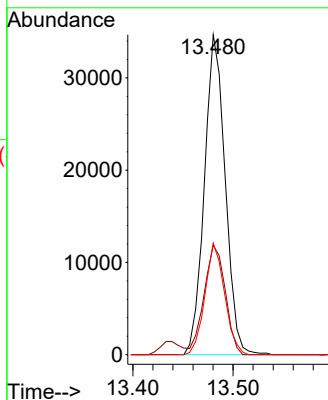
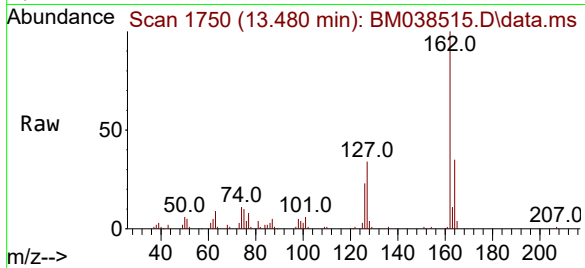




#47
2-Chloronaphthalene
Concen: 7.743 ng
RT: 13.480 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

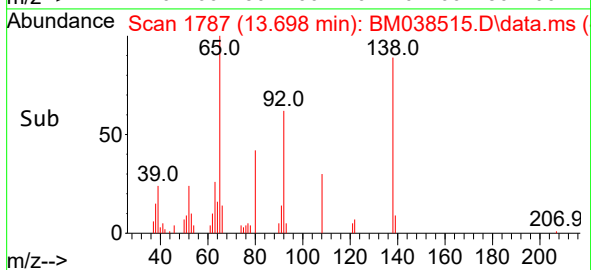
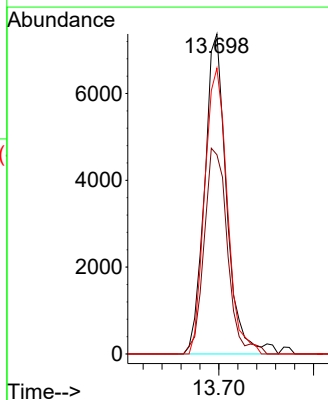
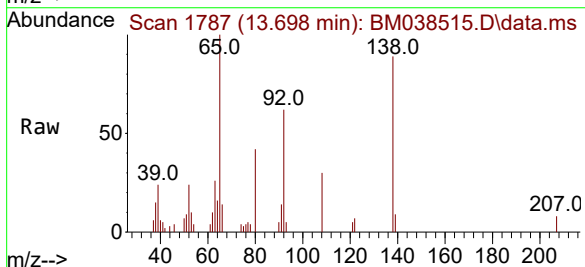
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

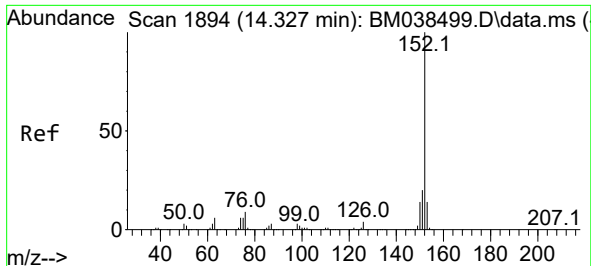
Tgt Ion:162 Resp: 50152
Ion Ratio Lower Upper
162 100
127 34.1 27.4 41.2
164 34.9 26.7 40.1



#48
2-Nitroaniline
Concen: 6.251 ng
RT: 13.698 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 65 Resp: 11890
Ion Ratio Lower Upper
65 100
92 62.3 50.0 75.0
138 89.3 78.2 117.2

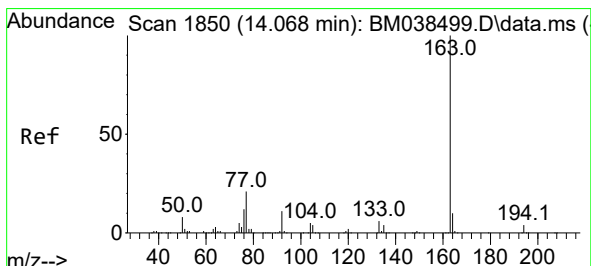
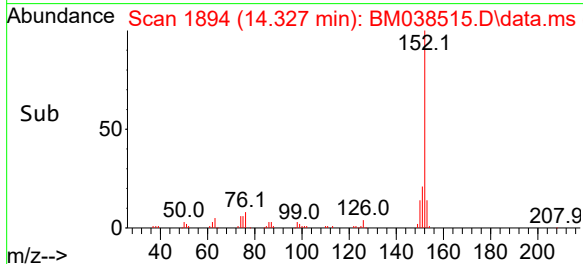
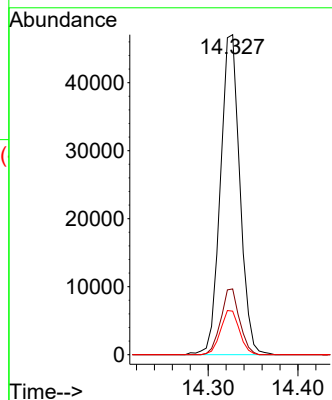
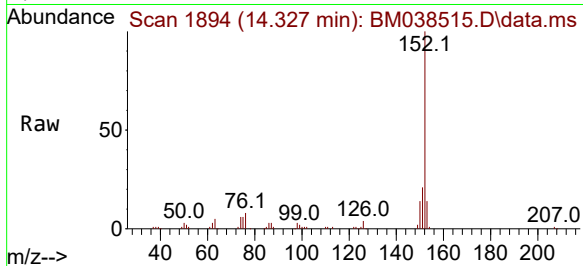




#49
Acenaphthylene
Concen: 6.980 ng
RT: 14.327 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

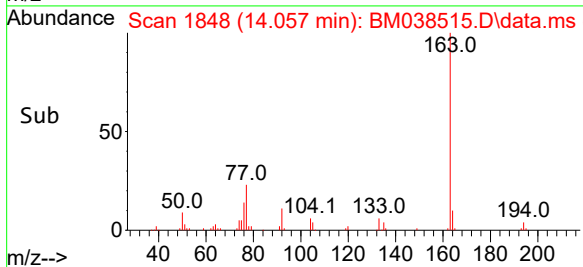
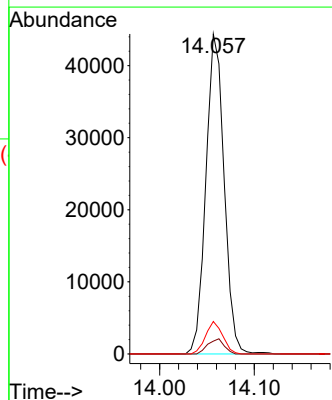
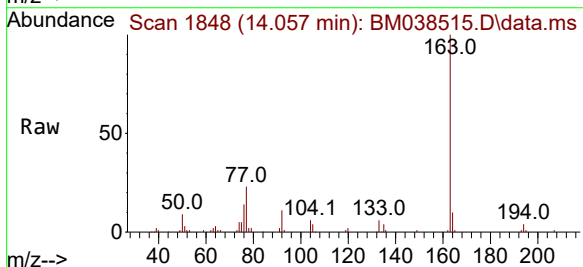
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

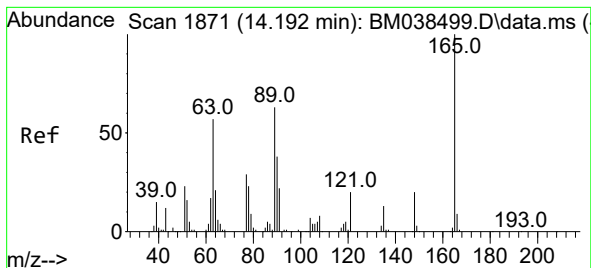
Tgt Ion:152 Resp: 70732
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 13.6 10.8 16.2



#50
Dimethylphthalate
Concen: 7.439 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:163 Resp: 59332
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.1 8.0 12.0

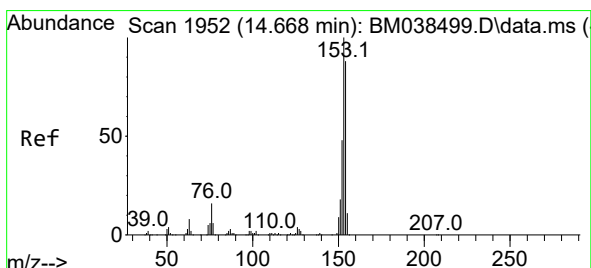
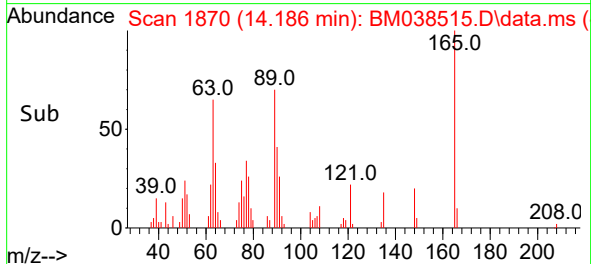
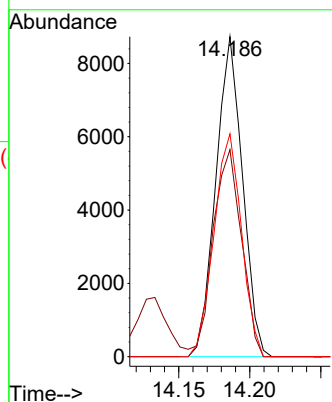
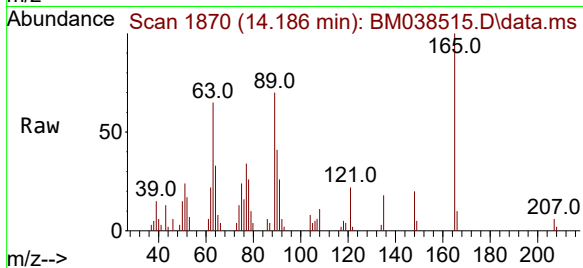




#51
2,6-Dinitrotoluene
Concen: 6.797 ng
RT: 14.186 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

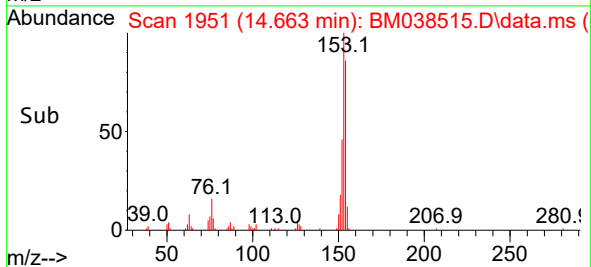
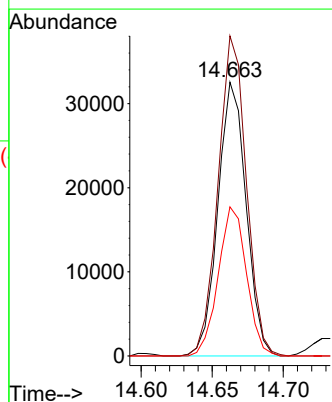
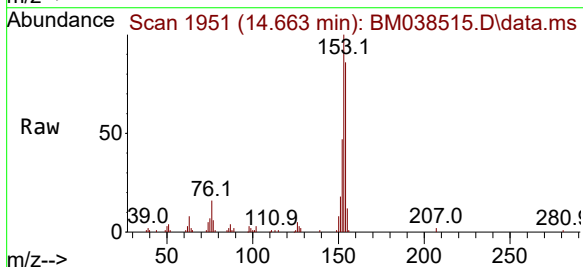
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

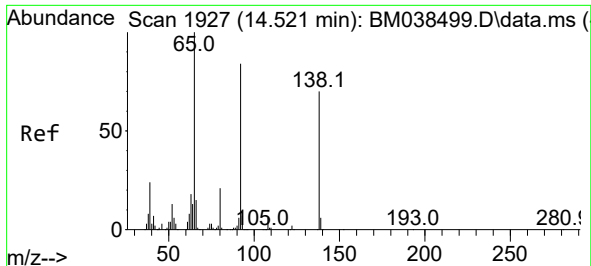
Tgt Ion:165 Resp: 11409
Ion Ratio Lower Upper
165 100
63 64.7 51.0 76.4
89 69.7 50.2 75.4



#52
Acenaphthene
Concen: 7.278 ng
RT: 14.663 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:154 Resp: 44982
Ion Ratio Lower Upper
154 100
153 116.9 90.7 136.1
152 54.4 43.8 65.8

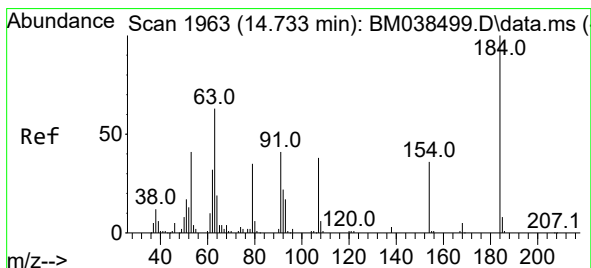
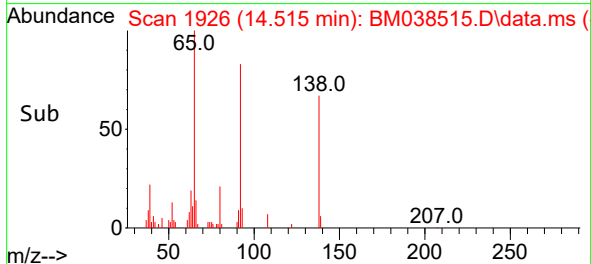
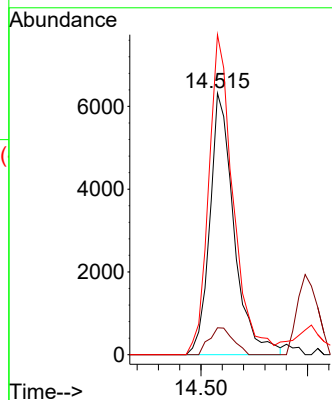
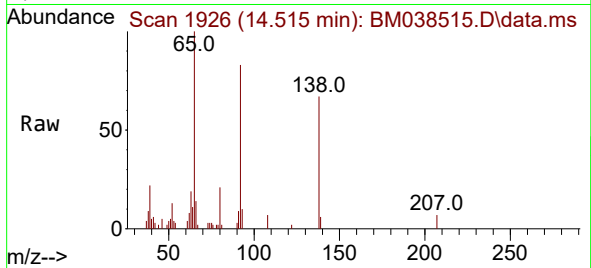




#53
3-Nitroaniline
Concen: 5.964 ng
RT: 14.515 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

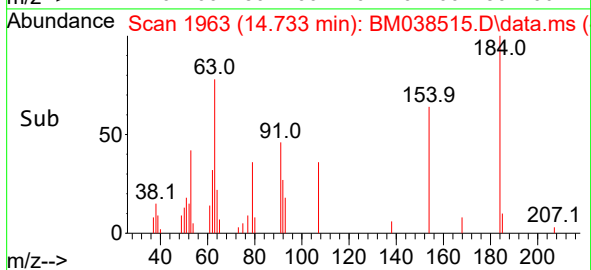
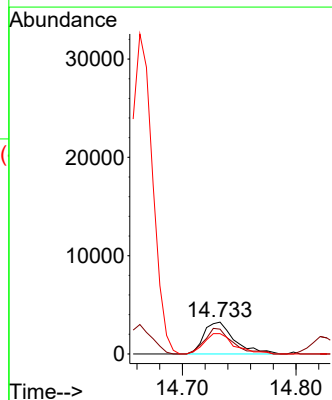
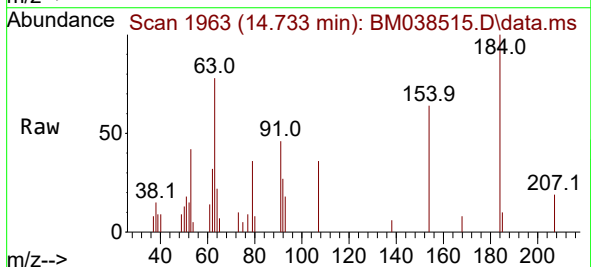
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

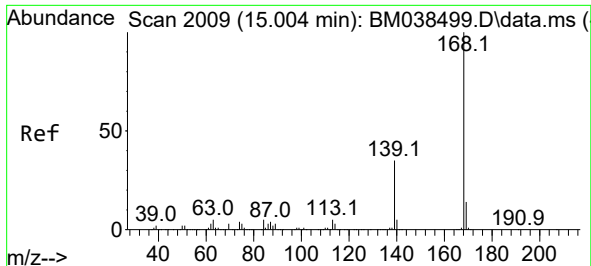
Tgt Ion:138 Resp: 9947
Ion Ratio Lower Upper
138 100
108 10.3 7.0 10.4
92 122.4 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 9.175 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:184 Resp: 6027
Ion Ratio Lower Upper
184 100
63 78.0 52.2 78.4
154 64.2 48.9 73.3

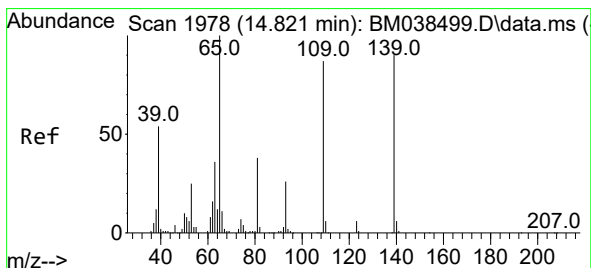
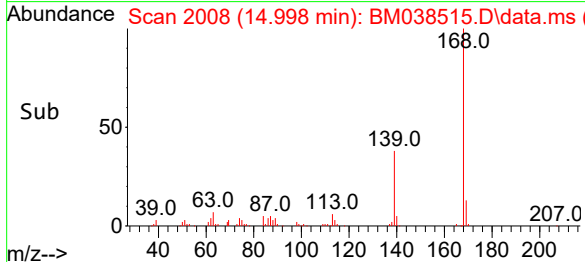
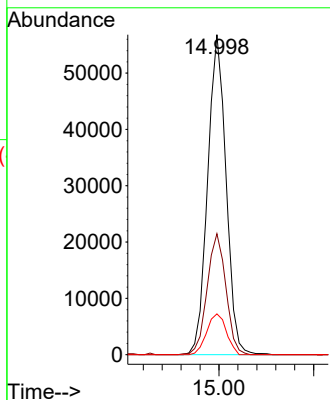
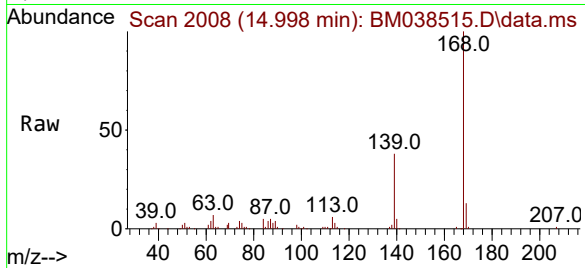




#55
Dibenzofuran
Concen: 7.399 ng
RT: 14.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

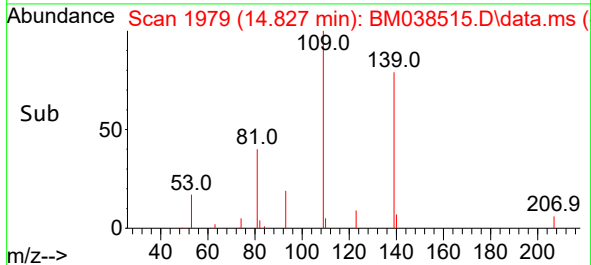
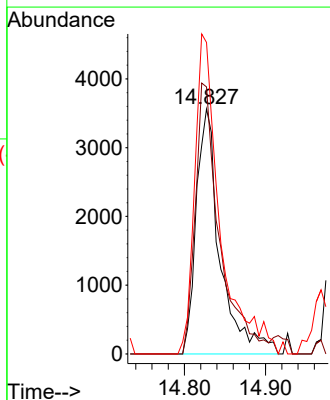
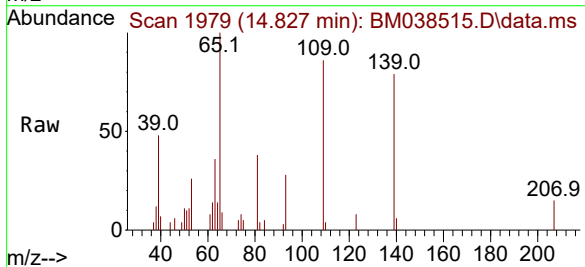
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

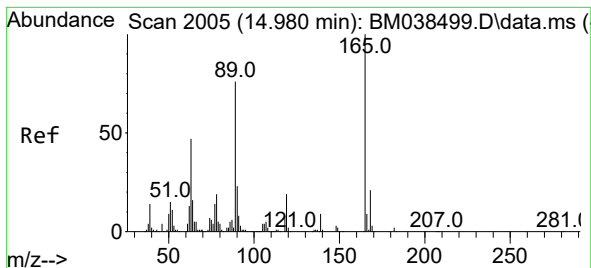
Tgt Ion:168 Resp: 76451
Ion Ratio Lower Upper
168 100
139 37.8 27.9 41.9
169 12.7 11.0 16.6



#56
4-Nitrophenol
Concen: 5.292 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:139 Resp: 7269
Ion Ratio Lower Upper
139 100
109 109.0 76.8 116.8
65 127.2 91.7 131.7





#57

2,4-Dinitrotoluene

Concen: 6.342 ng

RT: 14.974 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BM038515.D

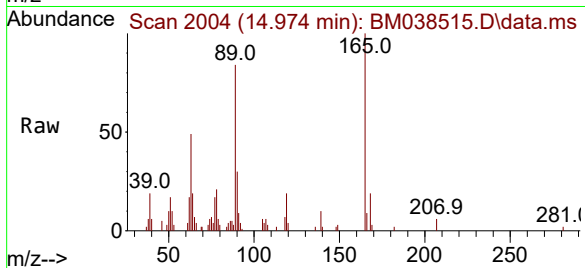
Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:165 Resp: 14429

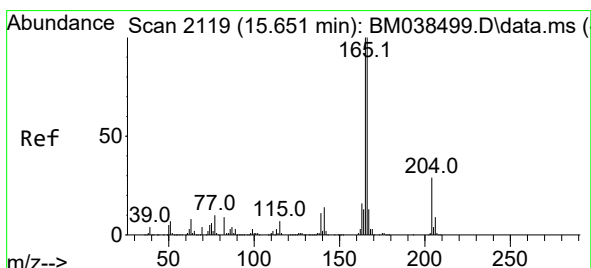
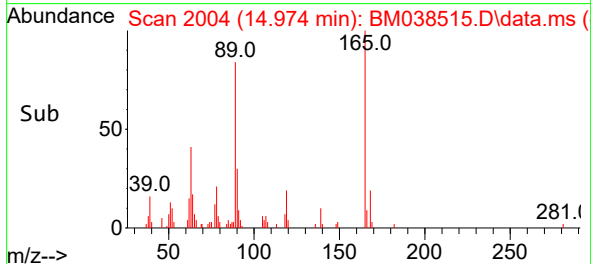
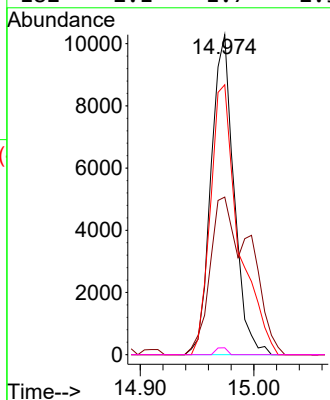
Ion Ratio Lower Upper

165 100

63 49.3 37.8 56.8

89 84.4 60.9 91.3

182 2.1 1.7 2.5



#58

Fluorene

Concen: 7.119 ng

RT: 15.645 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

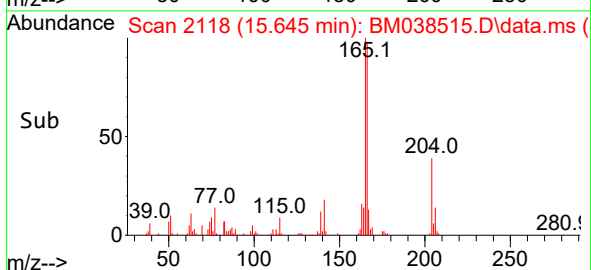
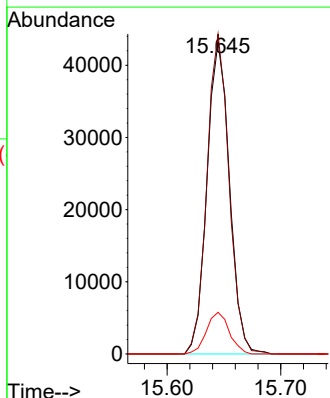
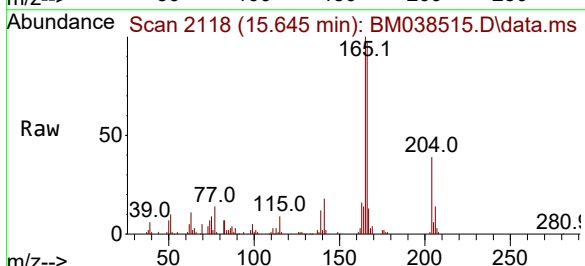
Tgt Ion:166 Resp: 59647

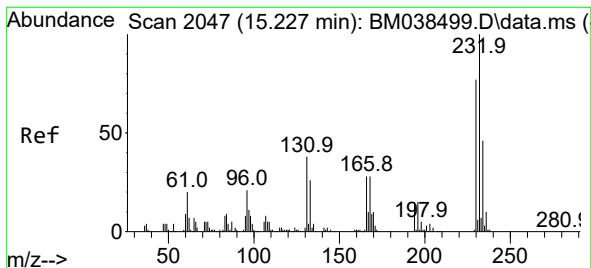
Ion Ratio Lower Upper

166 100

165 102.6 79.6 119.4

167 13.3 10.5 15.7

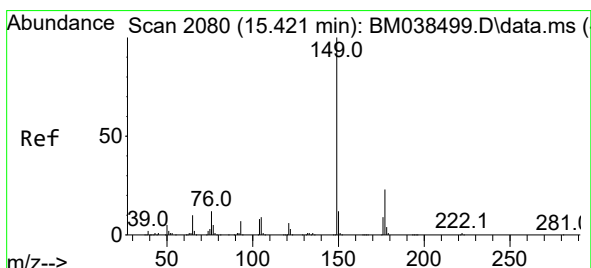
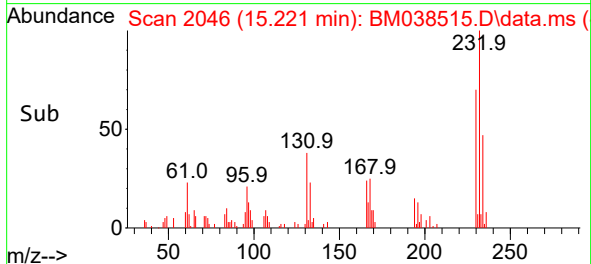
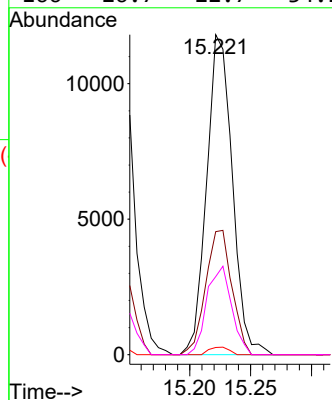
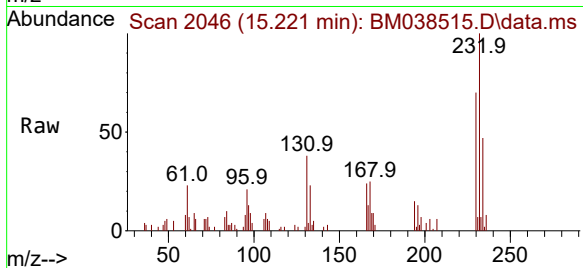




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.264 ng
RT: 15.221 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

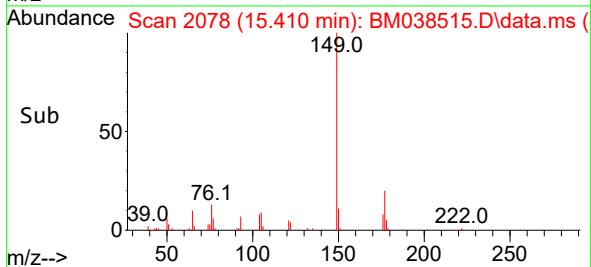
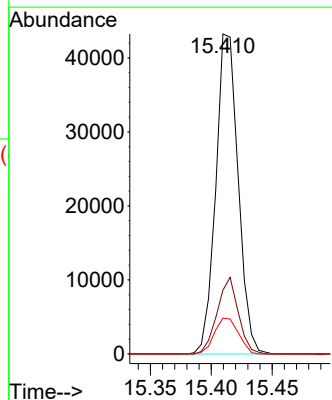
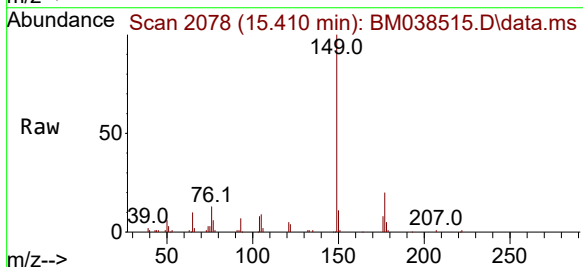
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

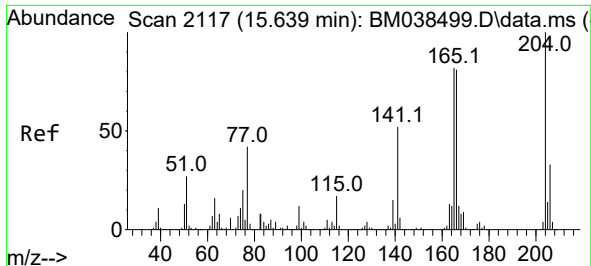
Tgt Ion:232	Resp:	17351
Ion Ratio	Lower	Upper
232	100	
131	39.7	31.0 46.4
130	1.8	1.8 2.6
166	26.7	22.7 34.1



#60
Diethylphthalate
Concen: 7.077 ng
RT: 15.410 min Scan# 2078
Delta R.T. -0.012 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:149	Resp:	55272
Ion Ratio	Lower	Upper
149	100	
177	20.0	18.6 27.8
150	11.2	9.5 14.3

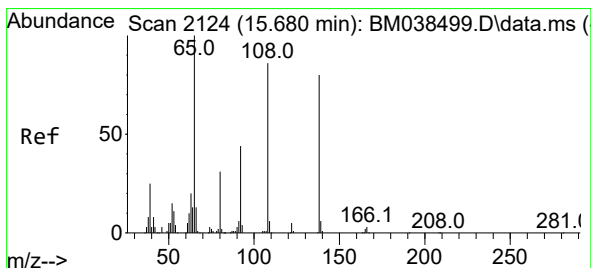
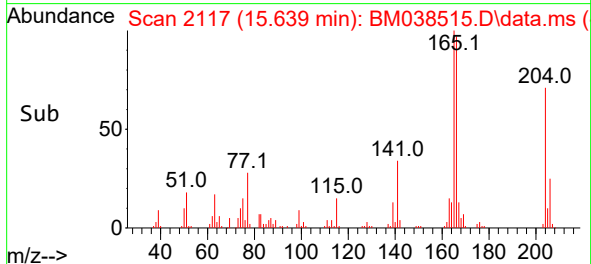
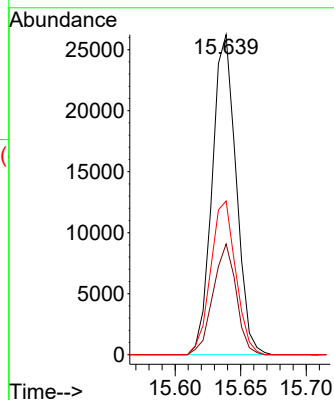
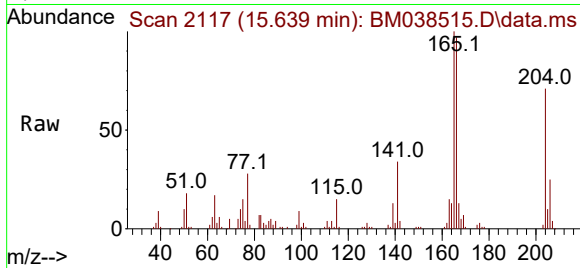




#61
4-Chlorophenyl-phenylether
Concen: 7.553 ng
RT: 15.639 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

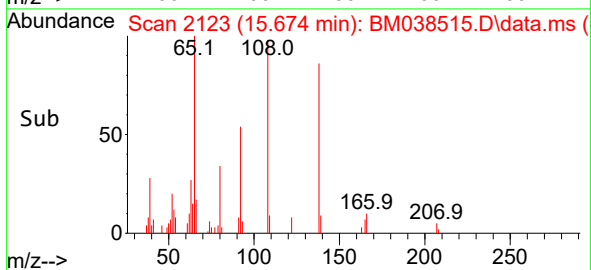
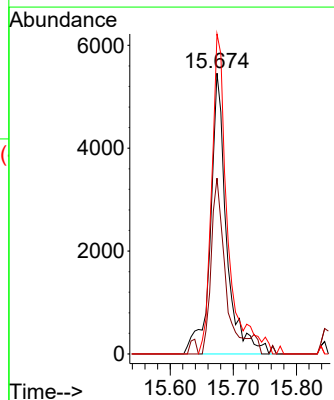
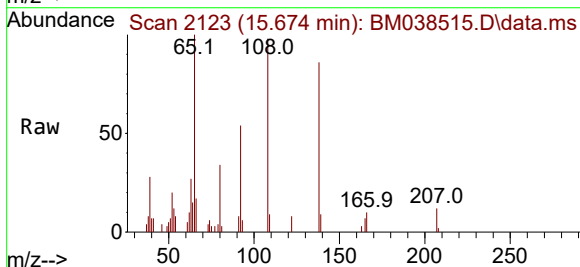
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

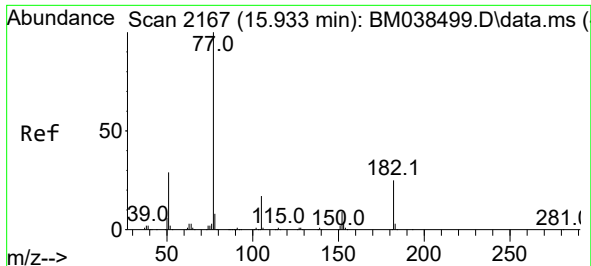
Tgt Ion:204 Resp: 33225
Ion Ratio Lower Upper
204 100
206 34.6 26.2 39.4
141 48.1 41.5 62.3



#62
4-Nitroaniline
Concen: 8.065 ng
RT: 15.674 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:138 Resp: 9648
Ion Ratio Lower Upper
138 100
92 62.6 35.2 75.2
108 113.9 87.3 127.3

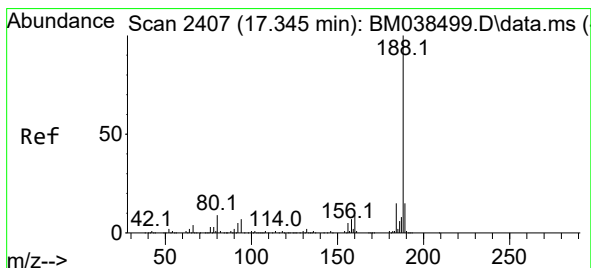
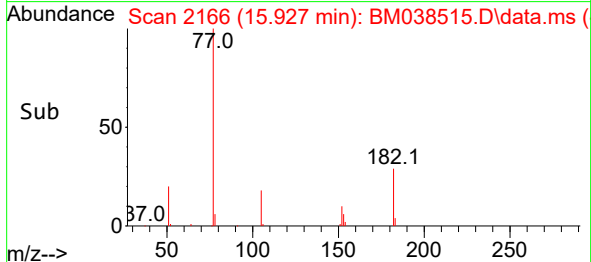
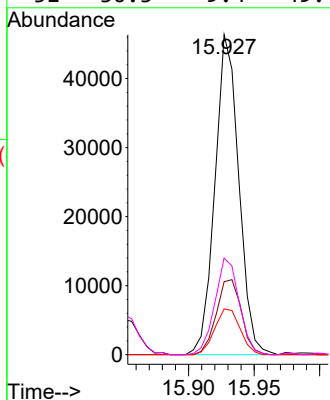
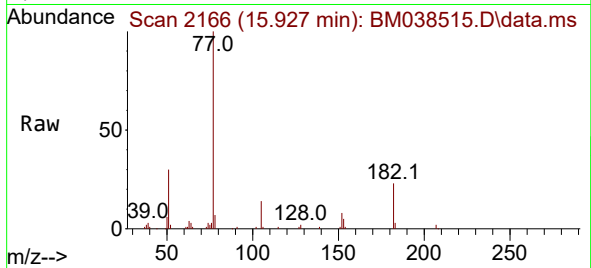




#63
Azobenzene
Concen: 7.076 ng
RT: 15.927 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

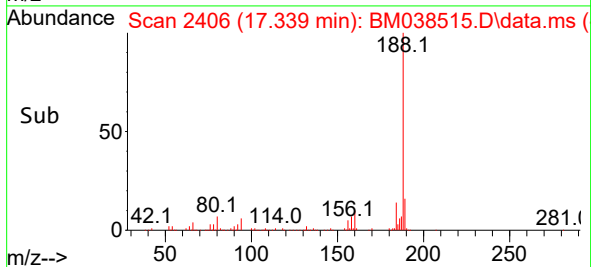
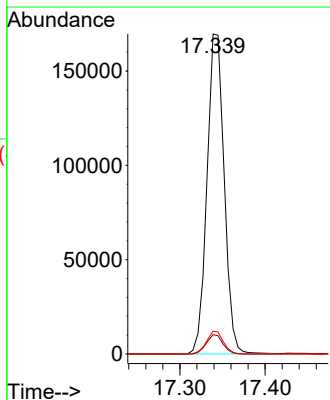
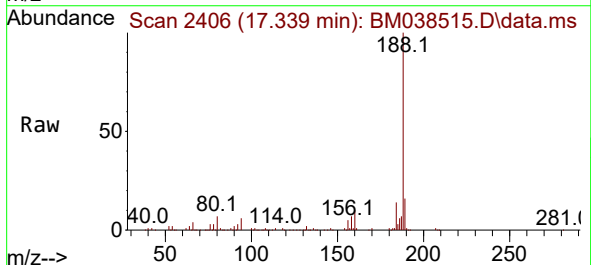
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

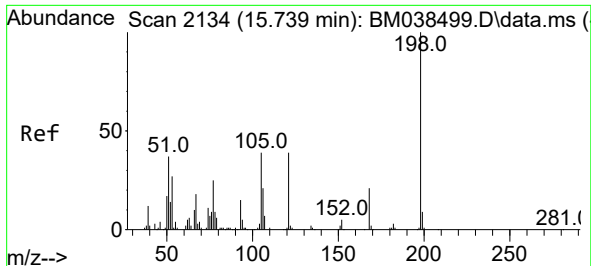
Tgt Ion: 77	Resp: 58555
Ion Ratio	Lower Upper
77 100	
182 22.8	4.7 44.7
105 14.3	0.0 36.7
51 30.3	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion: 188	Resp: 238082
Ion Ratio	Lower Upper
188 100	
94 6.1	6.0 9.0
80 7.1	6.9 10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 5.997 ng

RT: 15.733 min Scan# 2133

Delta R.T. -0.006 min

Lab File: BM038515.D

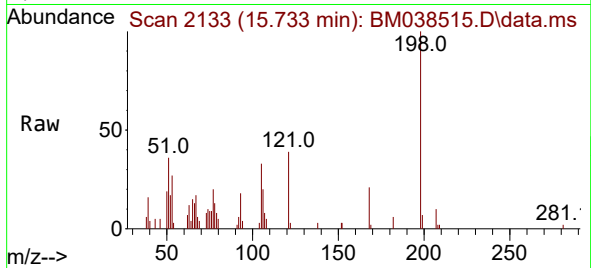
Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



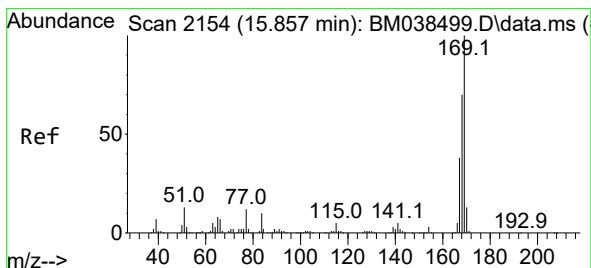
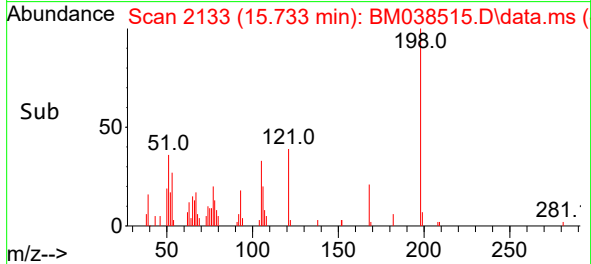
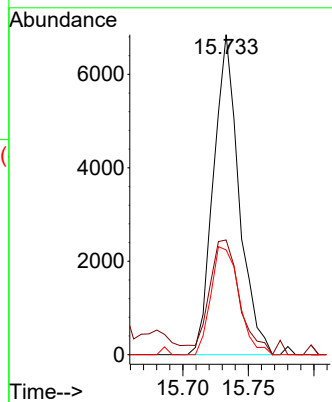
Tgt Ion:198 Resp: 9268

Ion Ratio Lower Upper

198 100

51 35.8 18.8 58.8

105 32.8 19.7 59.7



#66

n-Nitrosodiphenylamine

Concen: 7.300 ng

RT: 15.851 min Scan# 2153

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

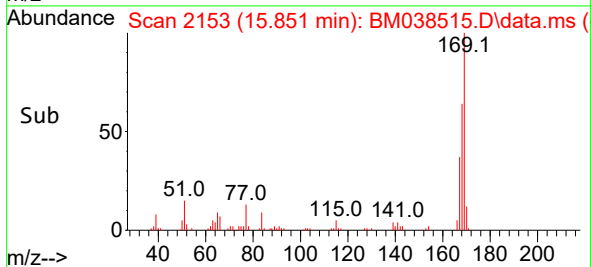
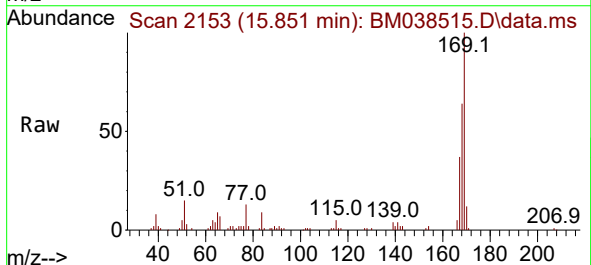
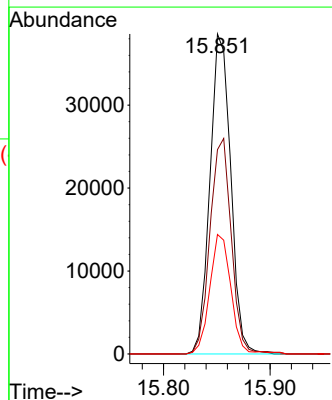
Tgt Ion:169 Resp: 52179

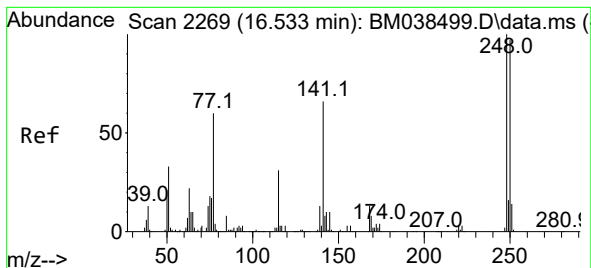
Ion Ratio Lower Upper

169 100

168 63.9 55.8 83.8

167 37.3 30.3 45.5

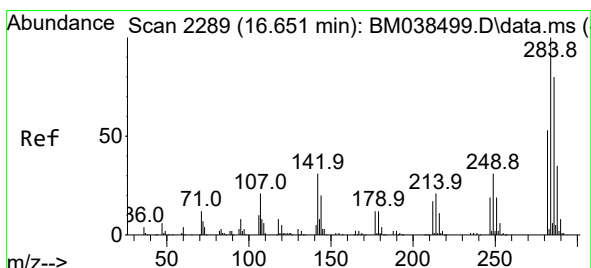
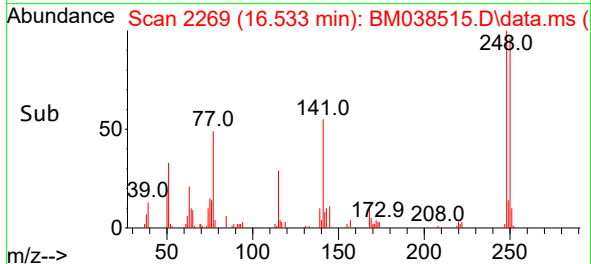
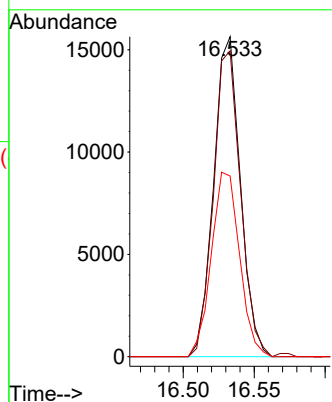
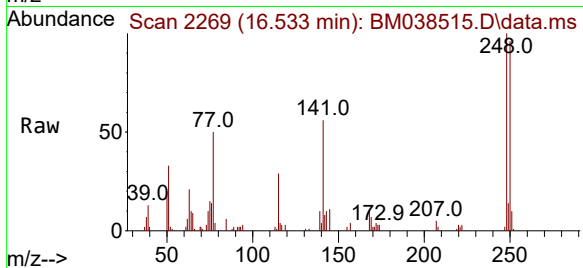




#67
4-Bromophenyl-phenylether
Concen: 7.754 ng
RT: 16.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

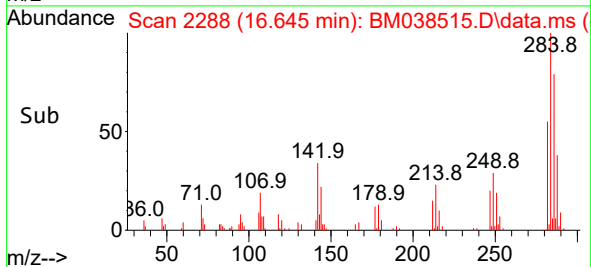
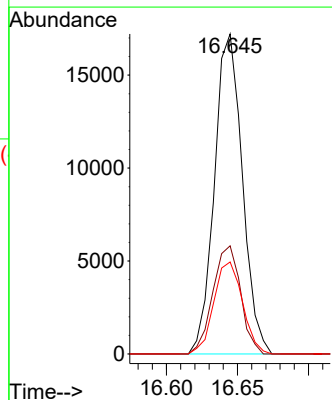
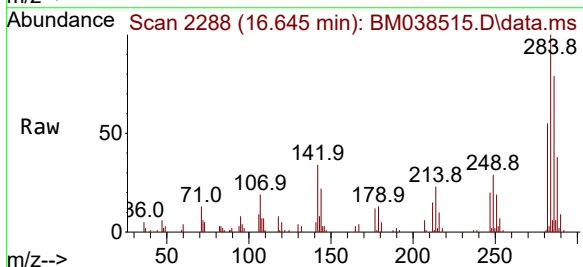
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

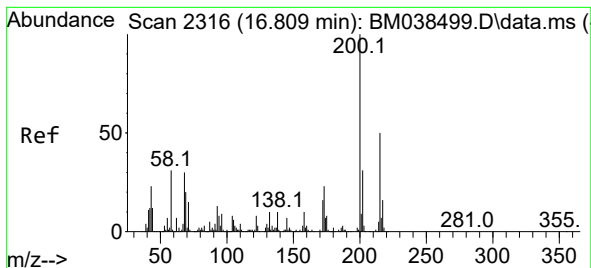
Tgt Ion:248 Resp: 20477
Ion Ratio Lower Upper
248 100
250 95.6 77.6 116.4
141 56.4 52.5 78.7



#68
Hexachlorobenzene
Concen: 8.251 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:284 Resp: 23514
Ion Ratio Lower Upper
284 100
142 33.8 25.2 37.8
249 28.8 24.4 36.6





#69

Atrazine

Concen: 7.704 ng

RT: 16.798 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

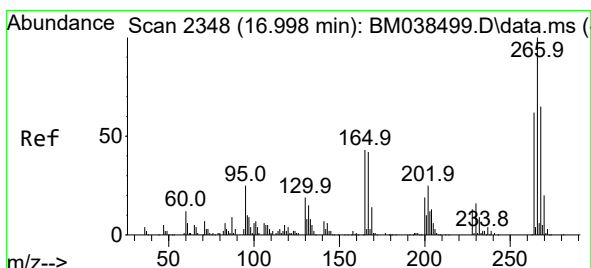
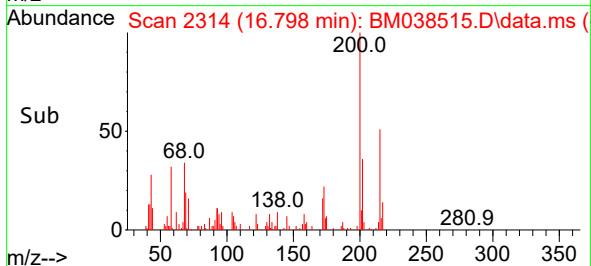
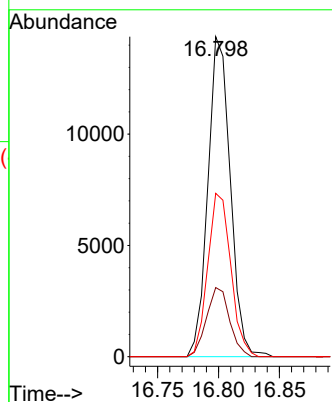
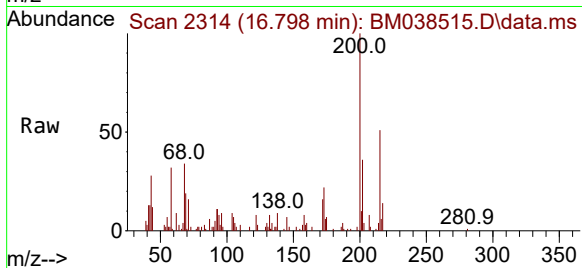
Tgt Ion:200 Resp: 18370

Ion Ratio Lower Upper

200 100

173 21.6 3.5 43.5

215 51.0 30.0 70.0



#70

Pentachlorophenol

Concen: 6.315 ng

RT: 16.992 min Scan# 2347

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

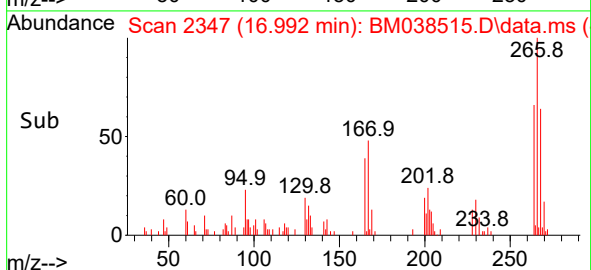
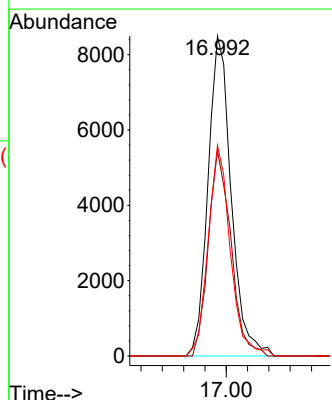
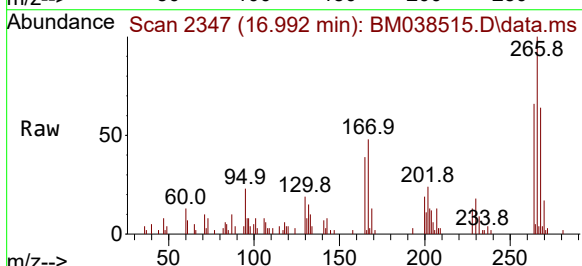
Tgt Ion:266 Resp: 12813

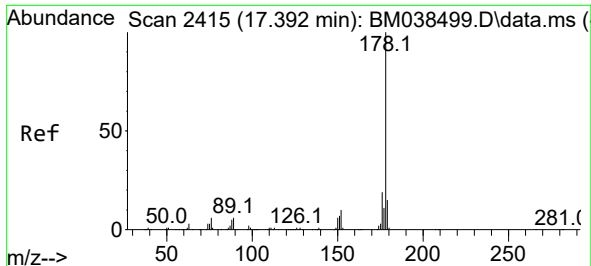
Ion Ratio Lower Upper

266 100

268 64.1 51.7 77.5

264 71.1 49.4 74.0

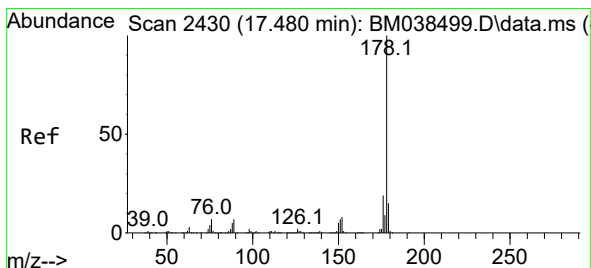
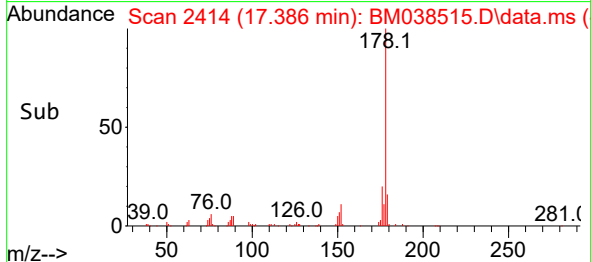
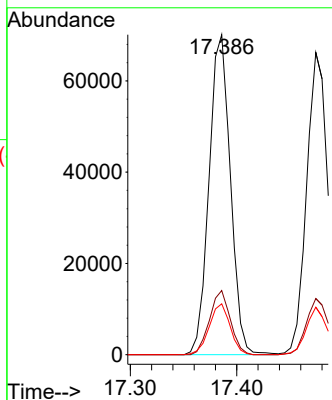
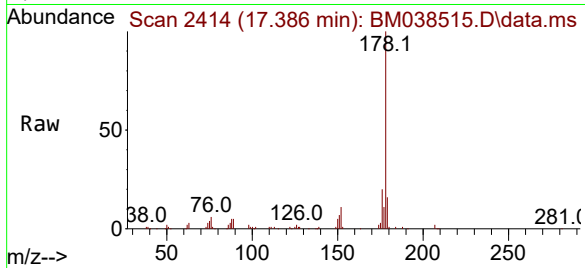




#71
Phenanthrene
Concen: 7.361 ng
RT: 17.386 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

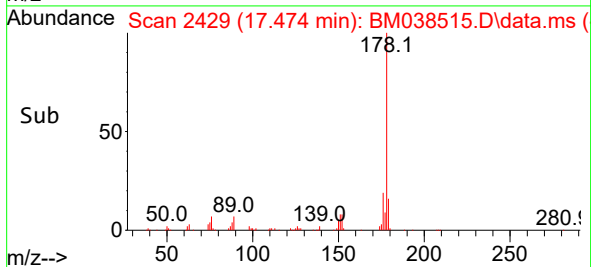
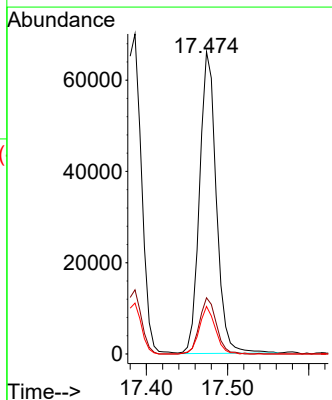
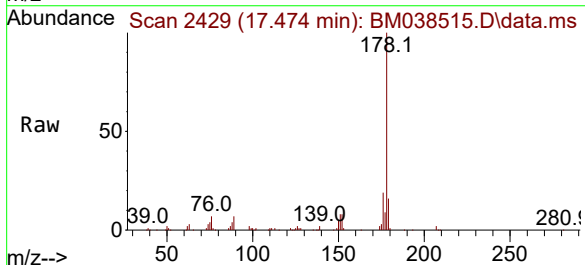
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

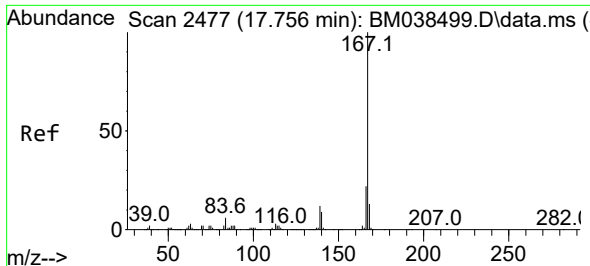
Tgt Ion:178 Resp: 97868
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 15.9 12.2 18.4



#72
Anthracene
Concen: 7.013 ng
RT: 17.474 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:178 Resp: 94881
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.7 12.2 18.4

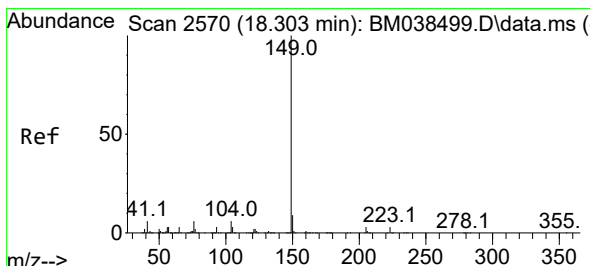
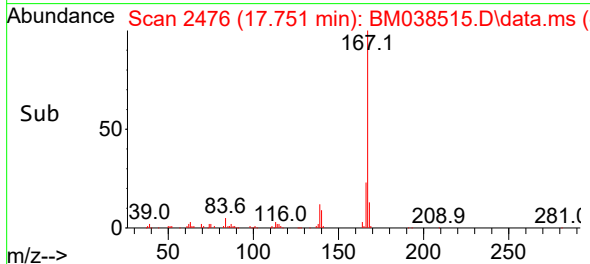
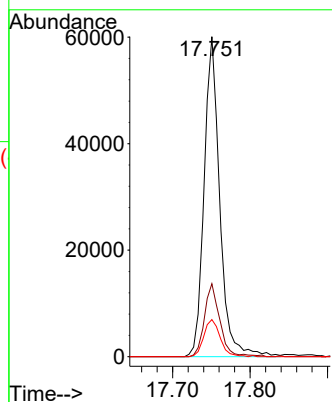
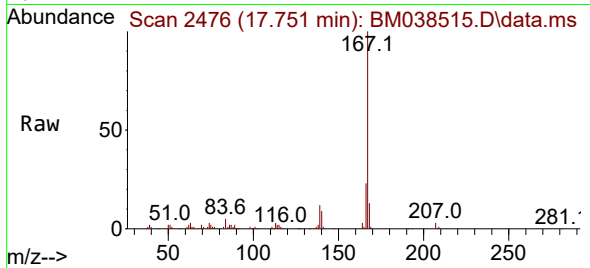




#73
 Carbazole
 Concen: 7.078 ng
 RT: 17.751 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BM038515.D
 Acq: 23 Jan 2023 19:03

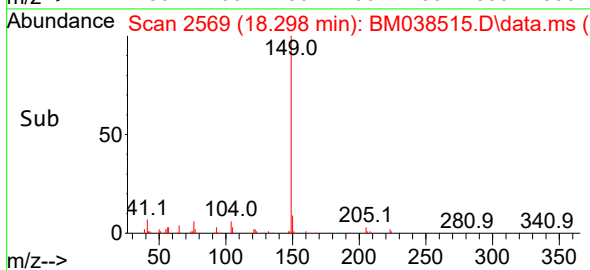
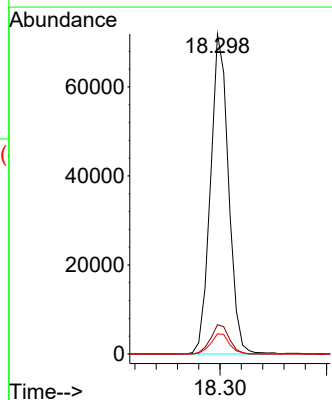
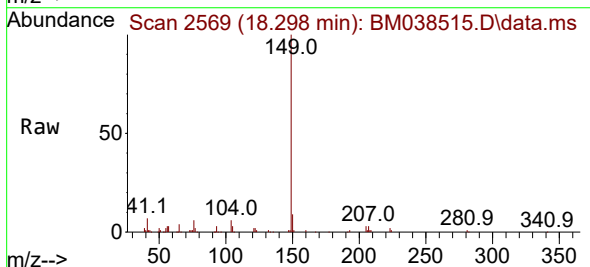
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

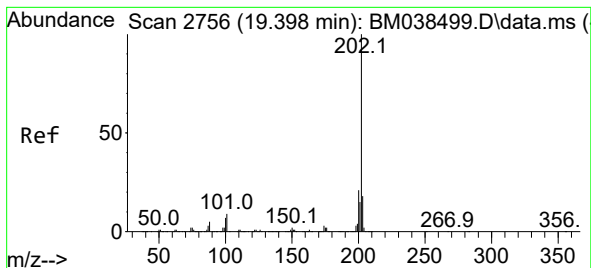
Tgt Ion:167 Resp: 84325
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.7 26.5
 139 11.6 9.4 14.0



#74
 Di-n-butylphthalate
 Concen: 6.447 ng
 RT: 18.298 min Scan# 2569
 Delta R.T. -0.006 min
 Lab File: BM038515.D
 Acq: 23 Jan 2023 19:03

Tgt Ion:149 Resp: 84388
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 6.3 4.6 6.8





#75

Fluoranthene

Concen: 7.206 ng

RT: 19.398 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

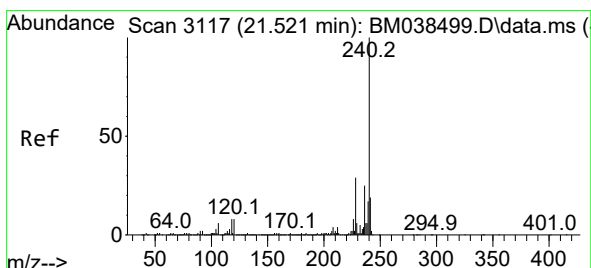
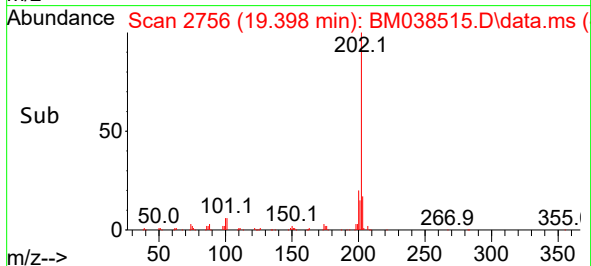
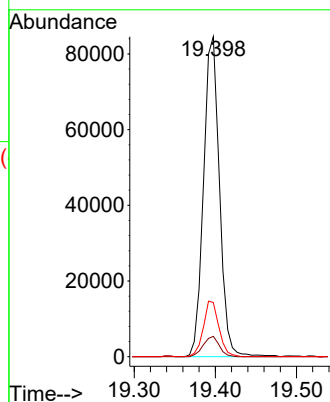
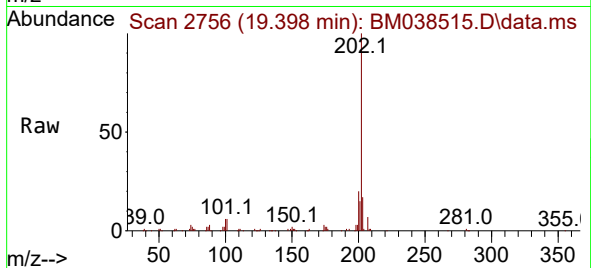
Tgt Ion:202 Resp: 115149

Ion Ratio Lower Upper

202 100

101 6.4 0.0 28.7

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

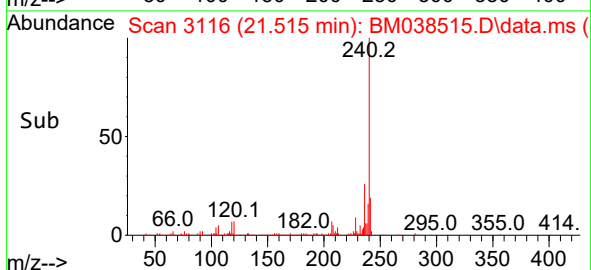
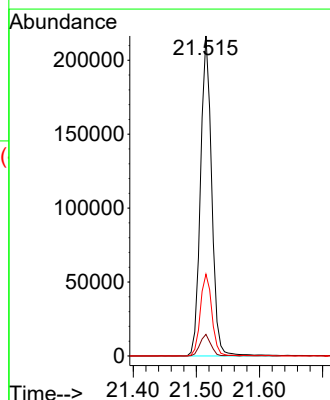
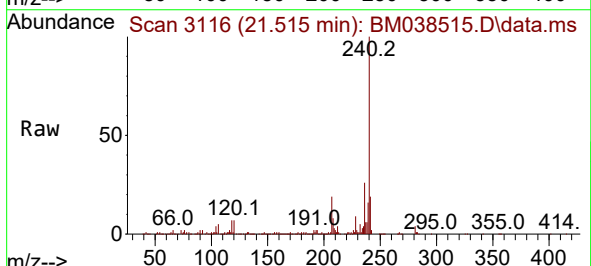
Tgt Ion:240 Resp: 265619

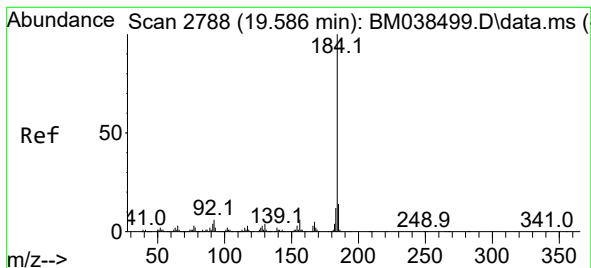
Ion Ratio Lower Upper

240 100

120 6.7 6.2 9.2

236 25.6 20.2 30.2





#77

Benzidine

Concen: 7.755 ng

RT: 19.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

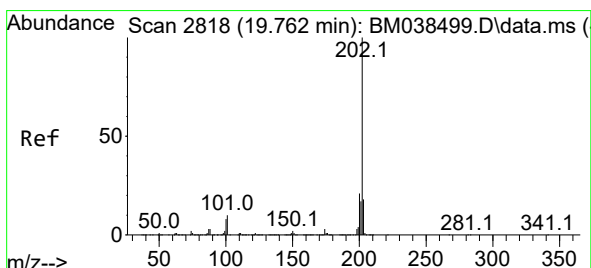
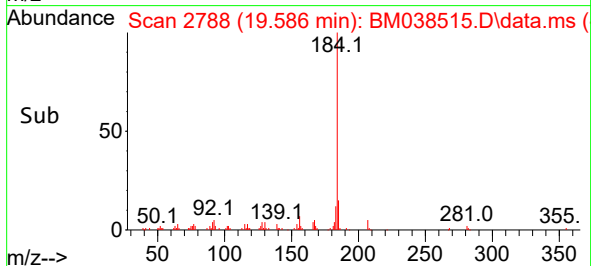
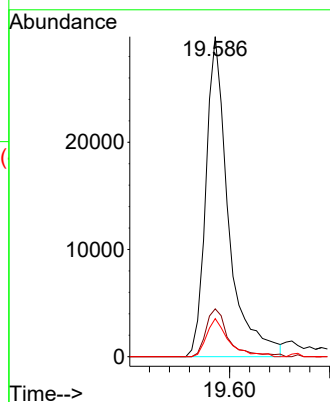
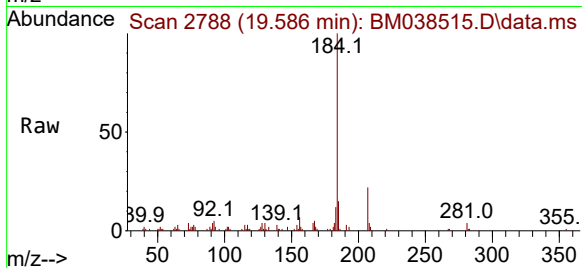
Tgt Ion:184 Resp: 46943

Ion Ratio Lower Upper

184 100

185 15.0 10.9 16.3

183 11.9 9.3 13.9



#78

Pyrene

Concen: 6.896 ng

RT: 19.756 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

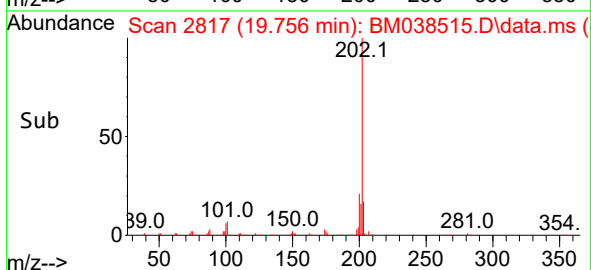
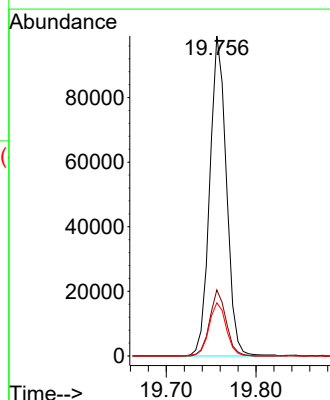
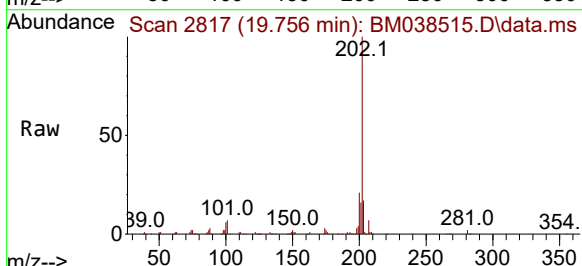
Tgt Ion:202 Resp: 127545

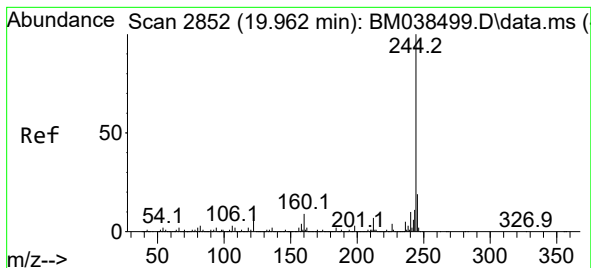
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 16.6 14.2 21.2





#79

Terphenyl-d14

Concen: 78.044 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

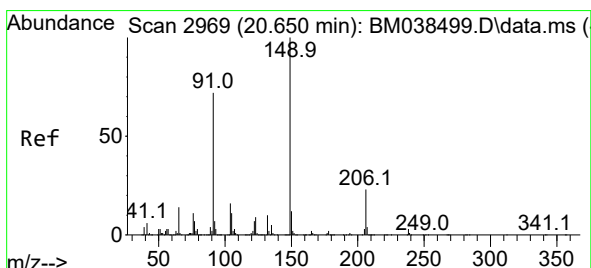
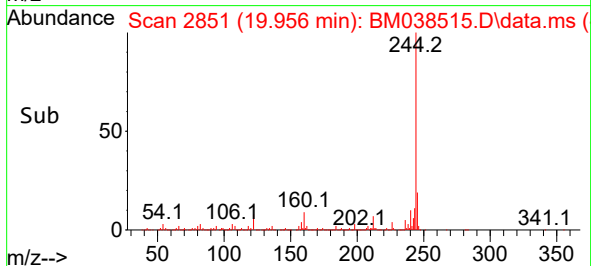
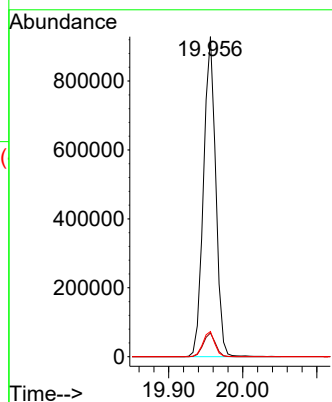
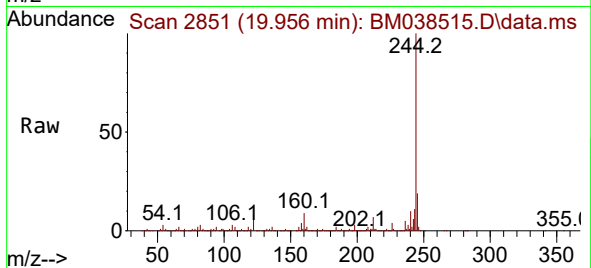
Tgt Ion:244 Resp: 1063344

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 7.8 6.7 10.1



#80

Butylbenzylphthalate

Concen: 5.879 ng

RT: 20.644 min Scan# 2968

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

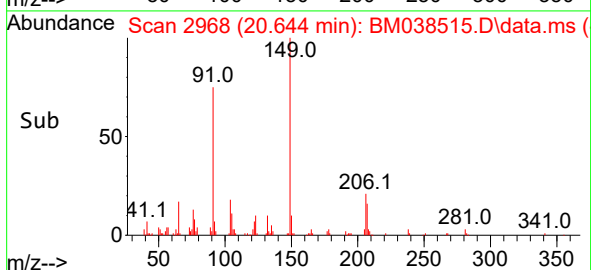
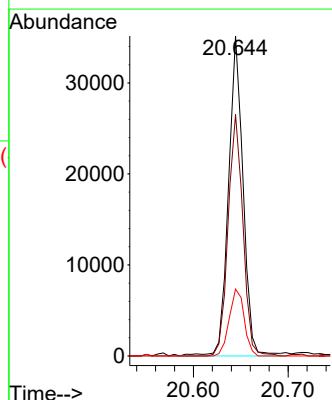
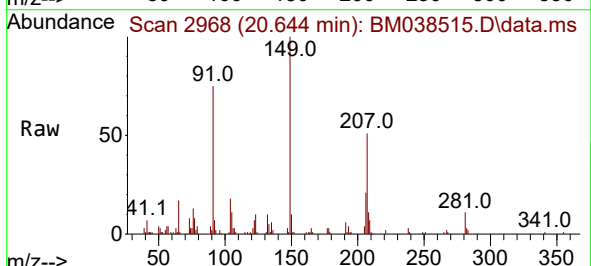
Tgt Ion:149 Resp: 37601

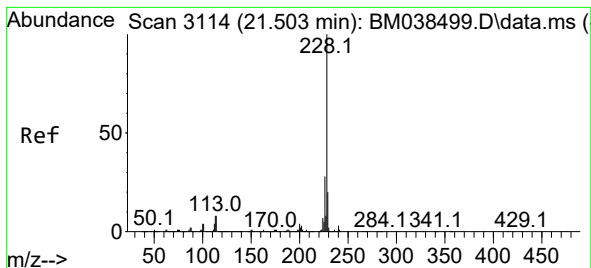
Ion Ratio Lower Upper

149 100

91 75.4 57.5 86.3

206 20.9 18.2 27.2





#81

Benzo(a)anthracene

Concen: 7.470 ng

RT: 21.497 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

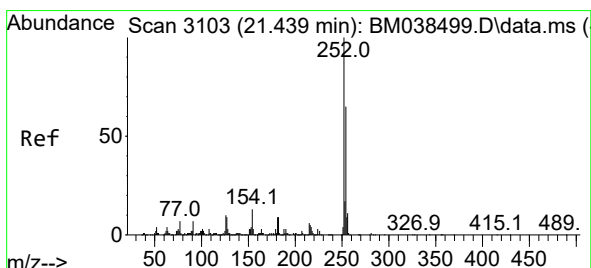
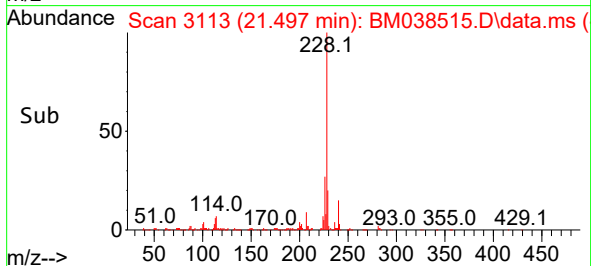
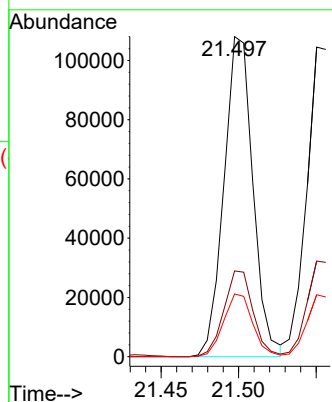
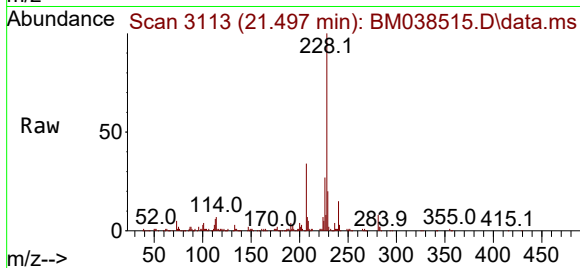
Tgt Ion:228 Resp: 140603

Ion Ratio Lower Upper

228 100

226 26.8 22.2 33.2

229 19.6 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 8.346 ng

RT: 21.433 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

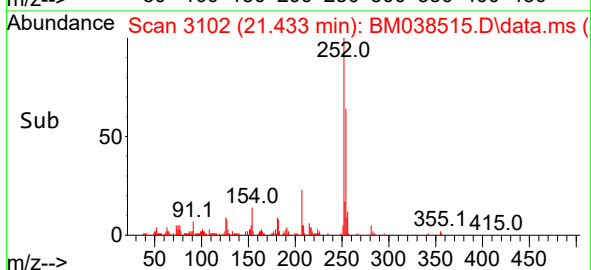
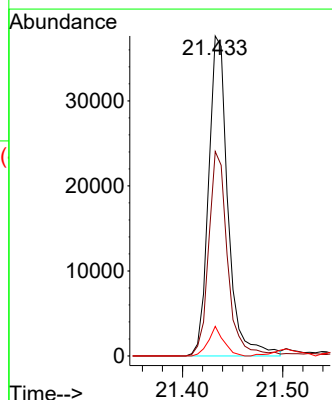
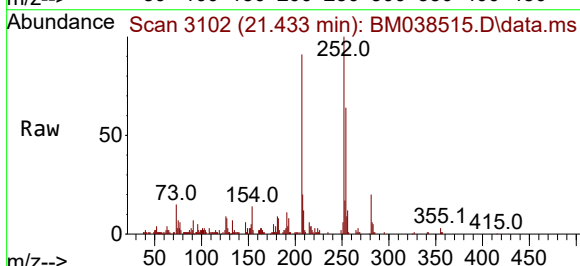
Tgt Ion:252 Resp: 50454

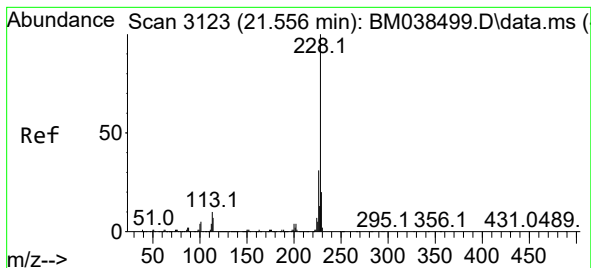
Ion Ratio Lower Upper

252 100

254 63.9 51.9 77.9

126 9.3 7.7 11.5





#83

Chrysene

Concen: 7.544 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

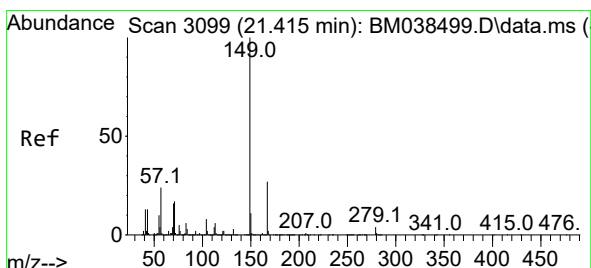
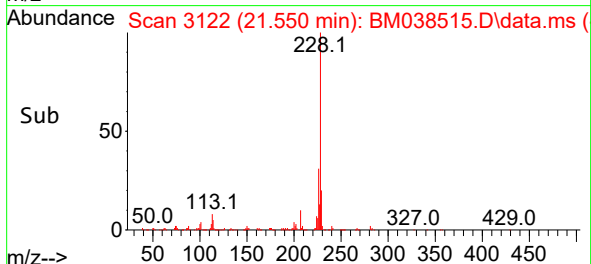
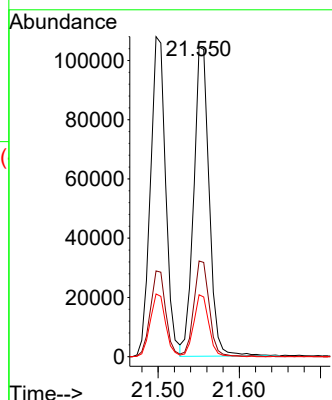
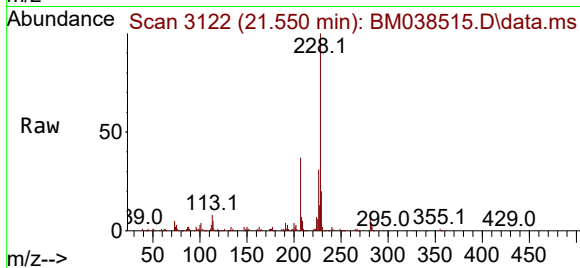
Tgt Ion:228 Resp: 138864

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.614 ng

RT: 21.415 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

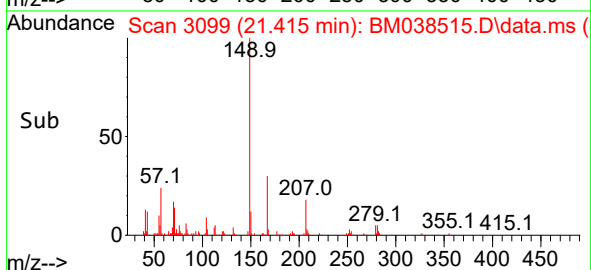
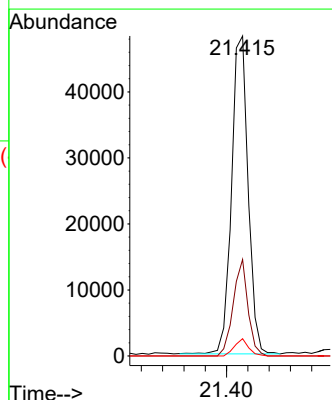
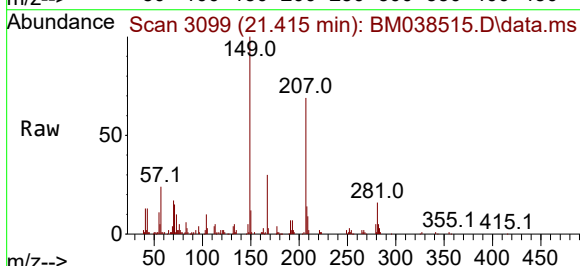
Tgt Ion:149 Resp: 52039

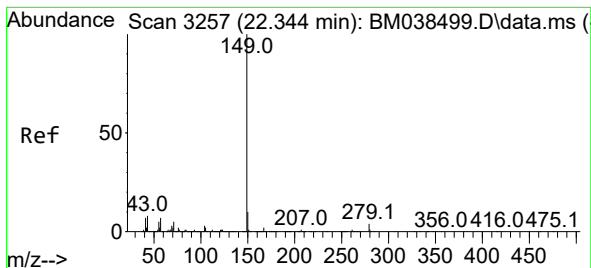
Ion Ratio Lower Upper

149 100

167 30.1 21.3 31.9

279 5.4 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 5.965 ng

RT: 22.339 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

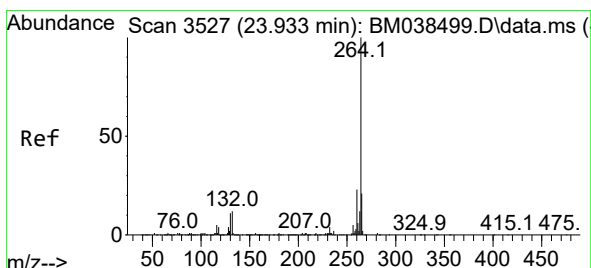
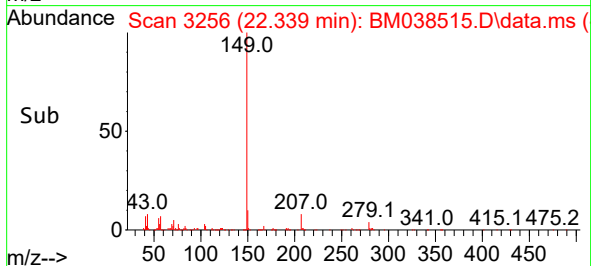
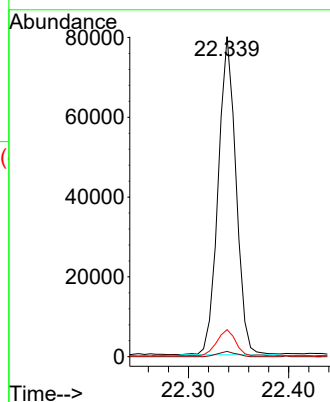
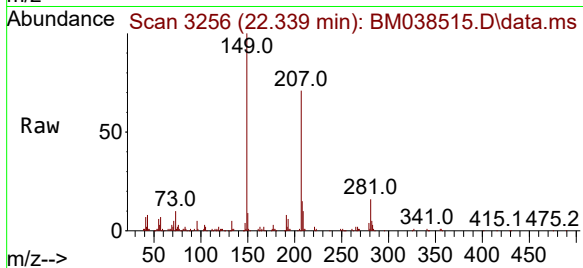
Tgt Ion:149 Resp: 98315

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.8 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

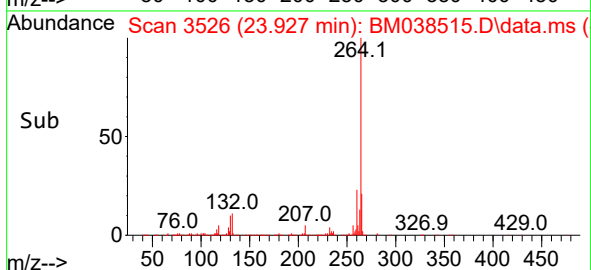
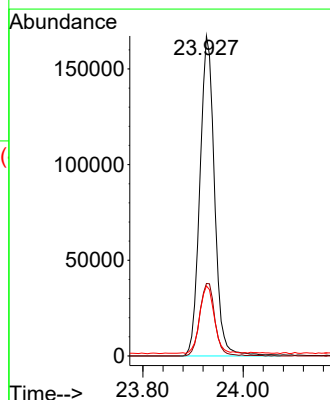
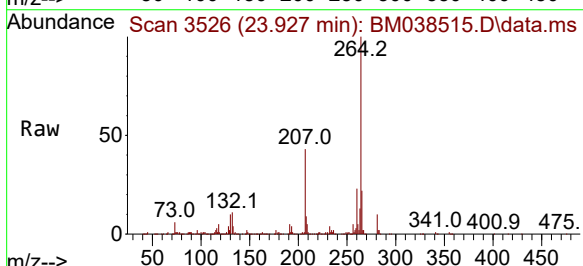
Tgt Ion:264 Resp: 339332

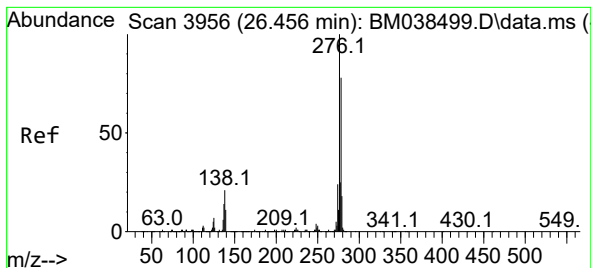
Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.321 ng

RT: 26.438 min Scan# 3401

Delta R.T. -0.018 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

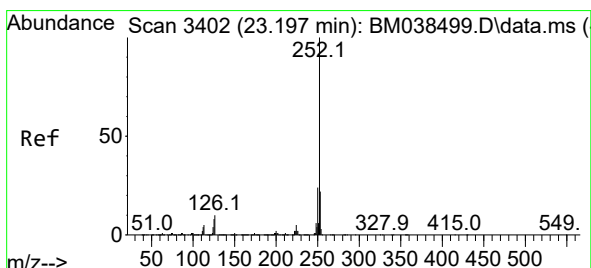
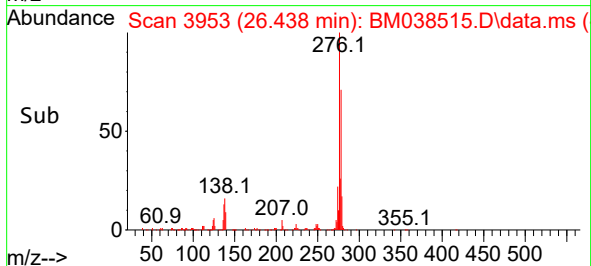
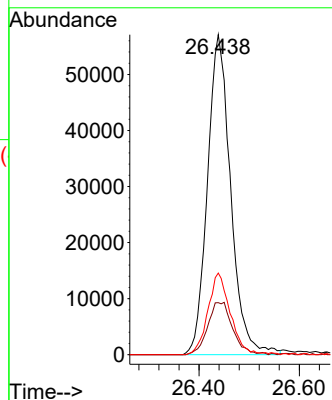
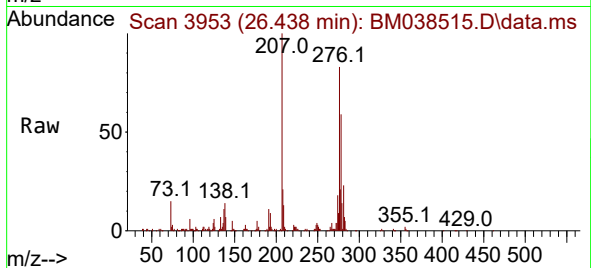
Tgt Ion:276 Resp: 183838

Ion Ratio Lower Upper

276 100

138 17.5 15.8 23.8

277 24.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 7.638 ng

RT: 23.191 min Scan# 3401

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

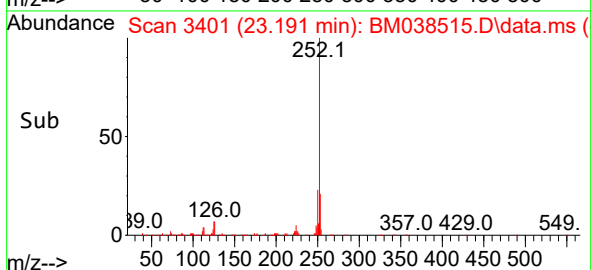
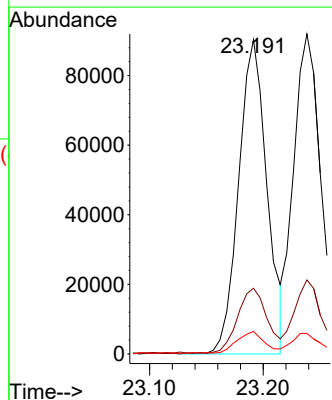
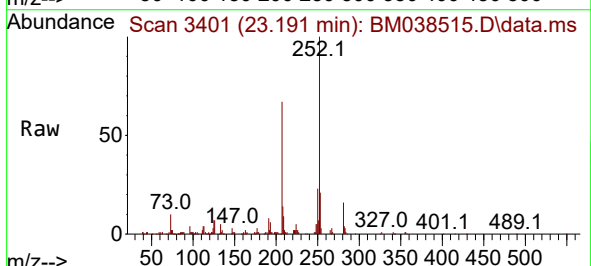
Tgt Ion:252 Resp: 156349

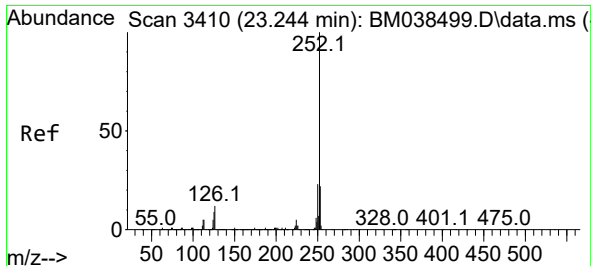
Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

125 7.2 6.4 9.6

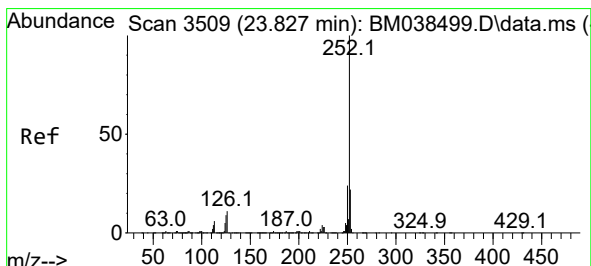
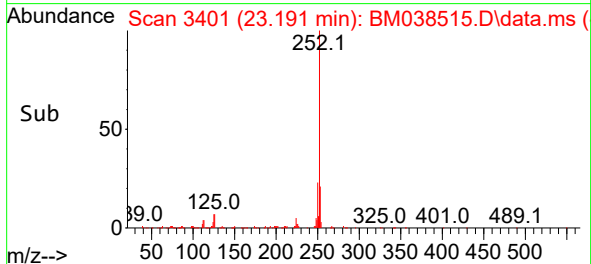
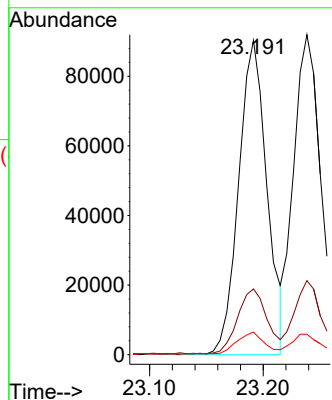
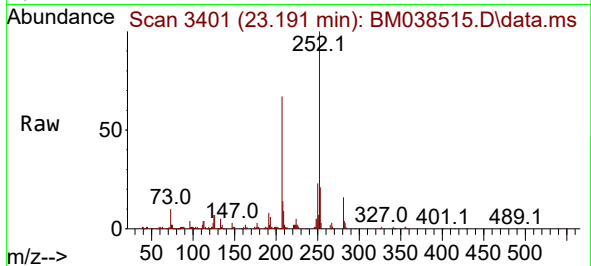




#89
Benzo(k)fluoranthene
Concen: 7.382 ng
RT: 23.191 min Scan# 3410
Delta R.T. -0.053 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

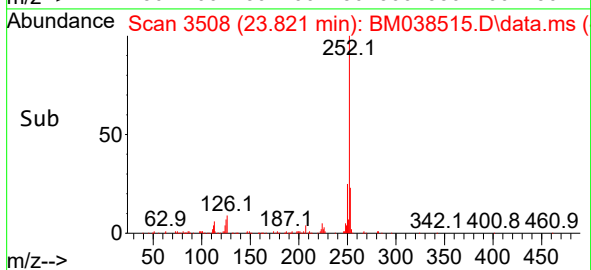
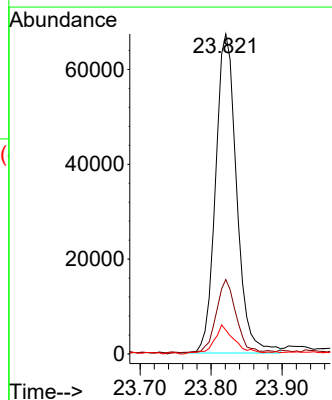
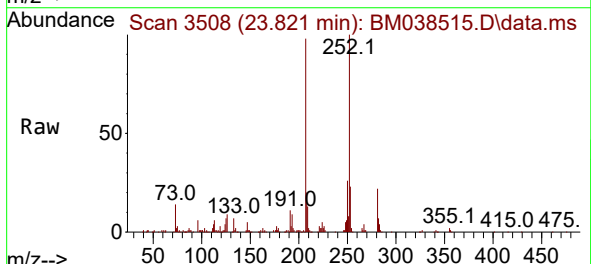
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

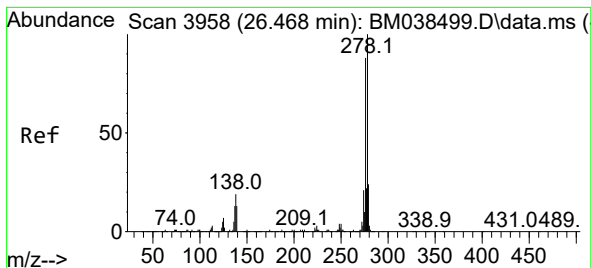
Tgt Ion:252 Resp: 156349
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.8
125 7.2 6.8 10.2



#90
Benzo(a)pyrene
Concen: 6.816 ng
RT: 23.821 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BM038515.D
Acq: 23 Jan 2023 19:03

Tgt Ion:252 Resp: 138322
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 7.4 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 7.648 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

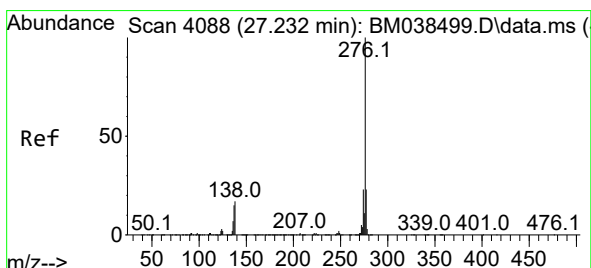
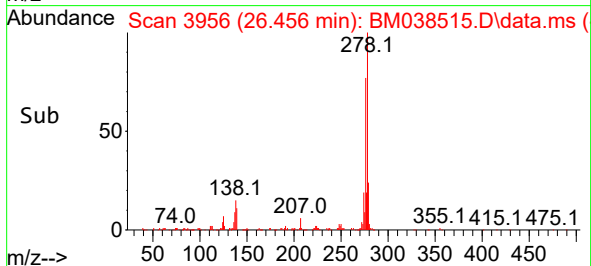
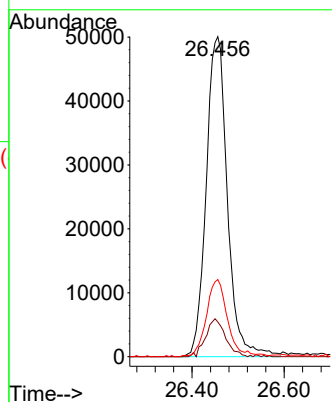
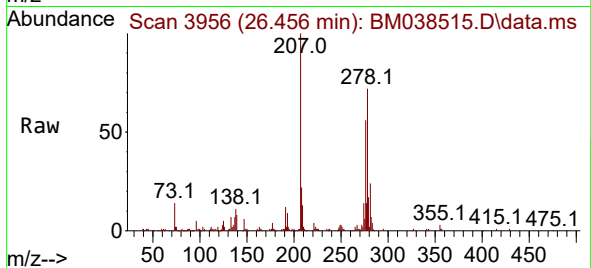
Tgt Ion:278 Resp: 159848

Ion Ratio Lower Upper

278 100

139 10.8 10.3 15.5

279 24.1 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 7.681 ng

RT: 27.215 min Scan# 4085

Delta R.T. -0.018 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Tgt Ion:276 Resp: 164452

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 14.9 13.8 20.8

