

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012523\
 Data File : BM038528.D
 Acq On : 25 Jan 2023 12:13
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Jan 25 23:13:46 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	7.963	152	53329	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	168031	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	109627	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	259940	20.000	ng	0.00
76) Chrysene-d12	21.515	240	304095	20.000	ng	# 0.00
86) Perylene-d12	23.927	264	400394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	362701	112.432	ng	0.00
7) Phenol-d6	7.128	99	449594	109.233	ng	0.00
23) Nitrobenzene-d5	9.139	82	297449	76.871	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	211746	134.130	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	667391	74.991	ng	0.00
79) Terphenyl-d14	19.956	244	1196056	76.678	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.375	88	5369	3.548	ng	# 93
3) Pyridine	3.822	79	6408	1.612	ng	# 85
4) n-Nitrosodimethylamine	3.710	42	6349	3.366	ng	# 69
6) Aniline	7.298	93	16044	3.140	ng	93
8) 2-Chlorophenol	7.522	128	11417	3.464	ng	93
9) Benzaldehyde	7.110	77	12319	5.046	ng	90
10) Phenol	7.151	94	14966	3.639	ng	88
11) bis(2-Chloroethyl)ether	7.392	93	10826	3.336	ng	96
12) 1,3-Dichlorobenzene	7.851	146	12801	3.417	ng	94
13) 1,4-Dichlorobenzene	7.998	146	13111	3.463	ng	95
14) 1,2-Dichlorobenzene	8.316	146	12784	3.487	ng	92
15) Benzyl Alcohol	8.216	79	9630	3.129	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.486	45	11860	3.480	ng	97
17) 2-Methylphenol	8.416	107	8117	2.788	ng	95
18) Hexachloroethane	9.045	117	4885	3.471	ng	93
19) n-Nitroso-di-n-propyla...	8.775	70	8420	2.836	ng	95
20) 3+4-Methylphenols	8.745	107	10610	2.720	ng	90
22) Acetophenone	8.798	105	16729	3.614	ng	# 97
24) Nitrobenzene	9.181	77	15995	4.085	ng	98
25) Isophorone	9.704	82	21310	3.337	ng	98
26) 2-Nitrophenol	9.898	139	4423	2.846	ng	93
27) 2,4-Dimethylphenol	9.951	122	7646	2.956	ng	84
28) bis(2-Chloroethoxy)met...	10.186	93	12359	3.308	ng	97
29) 2,4-Dichlorophenol	10.433	162	9243	3.046	ng	98
30) 1,2,4-Trichlorobenzene	10.639	180	12547	3.616	ng	# 94
31) Naphthalene	10.827	128	30071	3.294	ng	100
32) Benzoic acid	10.033	122	1965	6.446	ng	93
33) 4-Chloroaniline	10.951	127	11091	2.911	ng	96
34) Hexachlorobutadiene	11.098	225	8637	3.784	ng	90
35) Caprolactam	11.727	113	1797	2.443	ng	# 54
36) 4-Chloro-3-methylphenol	12.063	107	8438	3.058	ng	94
37) 2-Methylnaphthalene	12.433	142	19978	3.045	ng	# 94
38) 1-Methylnaphthalene	12.651	142	19473	3.147	ng	# 94
40) 1,2,4,5-Tetrachloroben...	12.798	216	14456	3.506	ng	98
41) Hexachlorocyclopentadiene	12.763	237	7349	3.242	ng	96
43) 2,4,6-Trichlorophenol	13.039	196	8047	3.048	ng	96

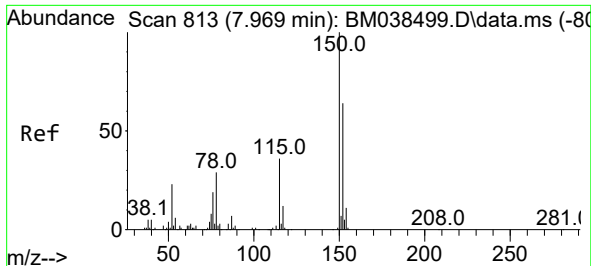
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 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	9060	2.930	ng	94
46) 1,1'-Biphenyl	13.439	154	29381	3.346	ng	99
47) 2-Chloronaphthalene	13.480	162	22827	3.331	ng	96
48) 2-Nitroaniline	13.692	65	5661	2.813	ng	# 84
49) Acenaphthylene	14.321	152	31395	2.928	ng	98
50) Dimethylphthalate	14.057	163	27175	3.220	ng	98
51) 2,6-Dinitrotoluene	14.186	165	4717	2.656	ng	85
52) Acenaphthene	14.663	154	20768	3.176	ng	95
53) 3-Nitroaniline	14.521	138	4553	2.580	ng	99
54) 2,4-Dinitrophenol	14.727	184	2283	6.411	ng	91
55) Dibenzofuran	14.998	168	35431	3.241	ng	96
56) 4-Nitrophenol	14.833	139	3002	2.066	ng	92
57) 2,4-Dinitrotoluene	14.974	165	6254	2.598	ng	# 91
58) Fluorene	15.645	166	27169	3.064	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.221	232	7601	3.008	ng	# 95
60) Diethylphthalate	15.410	149	25936	3.138	ng	98
61) 4-Chlorophenyl-phenyle...	15.639	204	15021	3.227	ng	98
62) 4-Nitroaniline	15.680	138	3930	5.201	ng	95
63) Azobenzene	15.927	77	26555	3.033	ng	97
65) 4,6-Dinitro-2-methylph...	15.733	198	3937	2.333	ng	98
66) n-Nitrosodiphenylamine	15.851	169	23565	3.020	ng	99
67) 4-Bromophenyl-phenylether	16.527	248	8988	3.117	ng	91
68) Hexachlorobenzene	16.645	284	11339	3.644	ng	92
69) Atrazine	16.798	200	8132	3.124	ng	96
70) Pentachlorophenol	16.992	266	5404	2.439	ng	94
71) Phenanthrene	17.380	178	47043	3.241	ng	97
72) Anthracene	17.474	178	44524	3.014	ng	100
73) Carbazole	17.751	167	37311	2.868	ng	98
74) Di-n-butylphthalate	18.298	149	40379	2.825	ng	98
75) Fluoranthene	19.392	202	53309	3.056	ng	98
77) Benzidine	19.586	184	21321	3.077	ng	96
78) Pyrene	19.756	202	57699	2.725	ng	99
80) Butylbenzylphthalate	20.644	149	18651	2.547	ng	98
81) Benzo(a)anthracene	21.497	228	70176	3.257	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	23558	3.404	ng	# 99
83) Chrysene	21.550	228	68842	3.267	ng	97
84) Bis(2-ethylhexyl)phtha...	21.409	149	26878	2.533	ng	# 93
85) Di-n-octyl phthalate	22.338	149	48824	2.588	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.432	276	94245	3.181	ng	97
88) Benzo(b)fluoranthene	23.238	252	76752	3.178	ng	99
89) Benzo(k)fluoranthene	23.238	252	76752	3.071	ng	99
90) Benzo(a)pyrene	23.815	252	69028	2.883	ng	98
91) Dibenzo(a,h)anthracene	26.444	278	82670	3.352	ng	93
92) Benzo(g,h,i)perylene	27.209	276	87398	3.460	ng	98

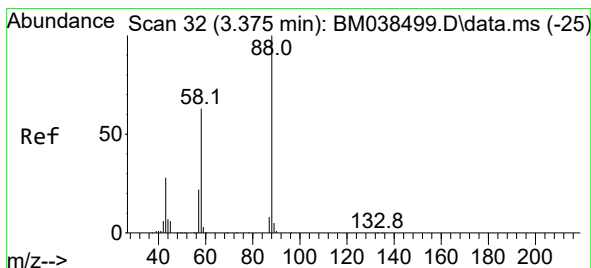
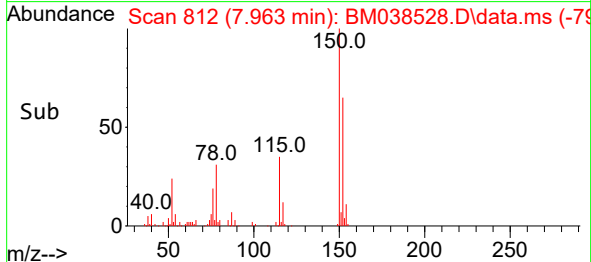
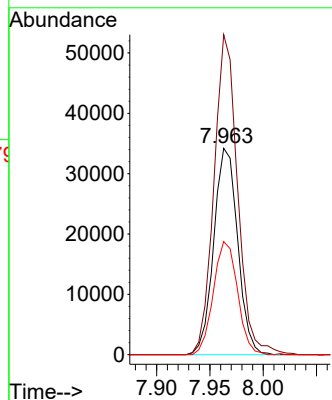
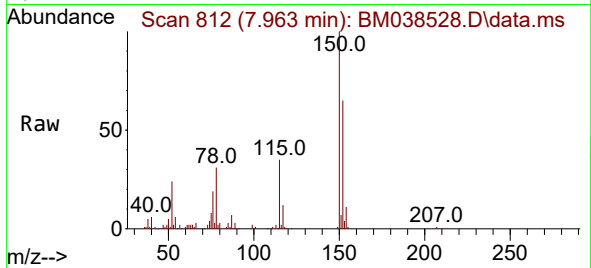
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

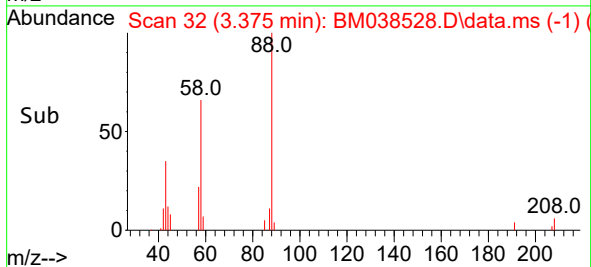
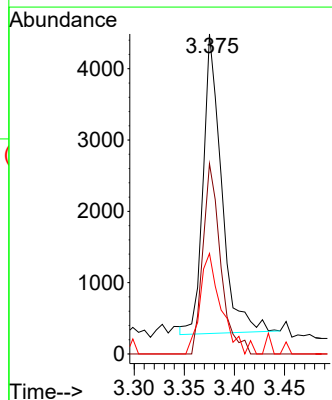
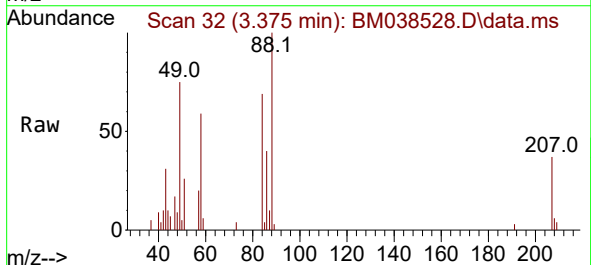
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

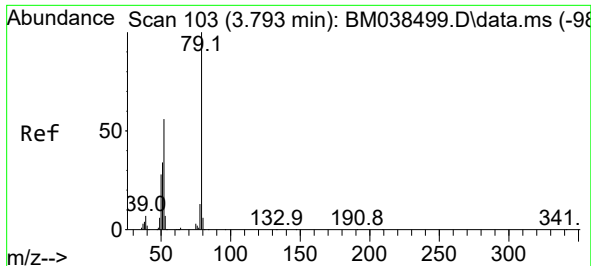
Tgt Ion:152 Resp: 53329
Ion Ratio Lower Upper
152 100
150 155.0 124.2 186.4
115 54.8 44.8 67.2



#2
1,4-Dioxane
Concen: 3.548 ng
RT: 3.375 min Scan# 32
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 88 Resp: 5369
Ion Ratio Lower Upper
88 100
58 61.3 50.5 75.7
43 38.9 23.9 35.9#

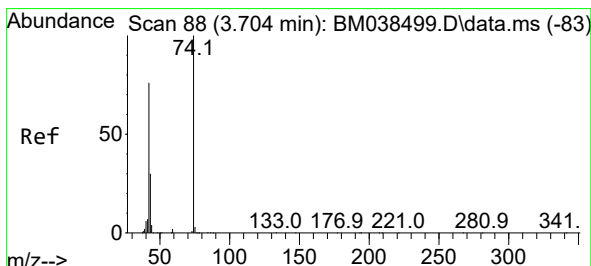
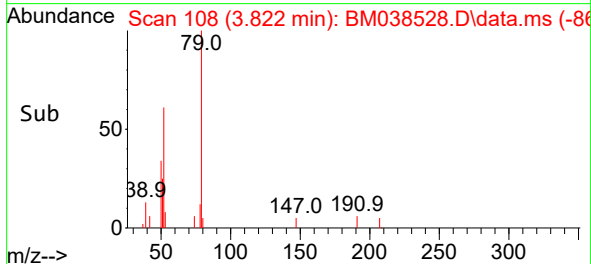
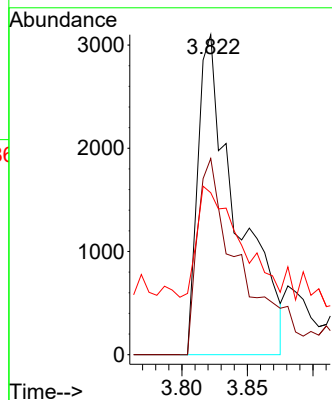
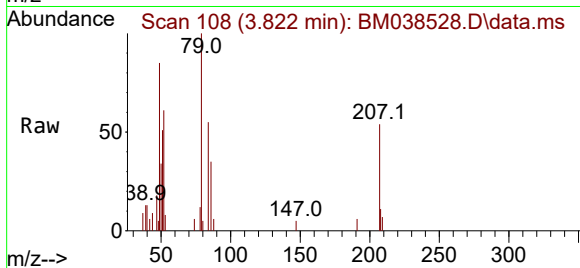




#3
Pyridine
Concen: 1.612 ng
RT: 3.822 min Scan# 108
Delta R.T. 0.029 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

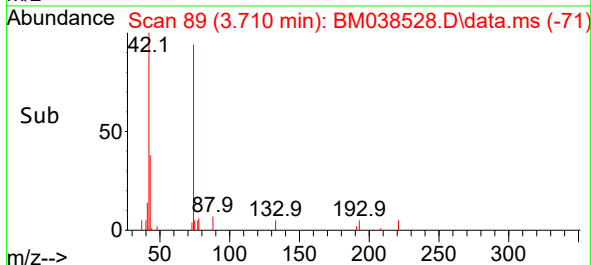
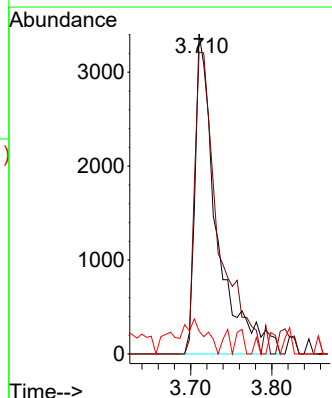
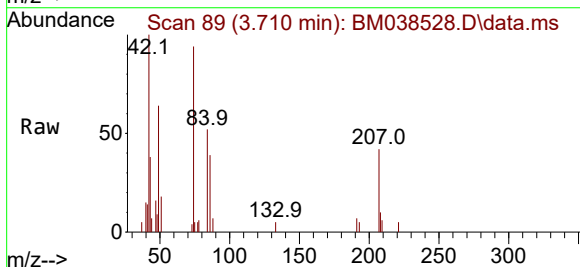
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2022

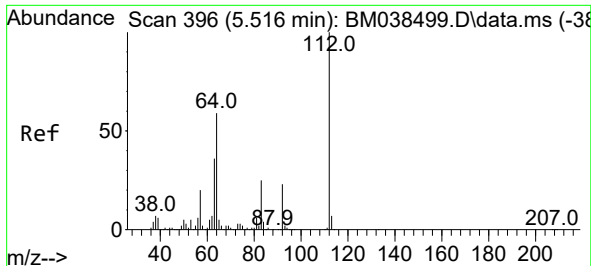
Tgt Ion: 79 Resp: 6408
Ion Ratio Lower Upper
79 100
52 61.3 45.0 67.4
51 50.6 27.1 40.7#



#4
n-Nitrosodimethylamine
Concen: 3.366 ng
RT: 3.710 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 42 Resp: 6349
Ion Ratio Lower Upper
42 100
74 94.3 105.0 157.4#
44 7.2 4.1 6.1#

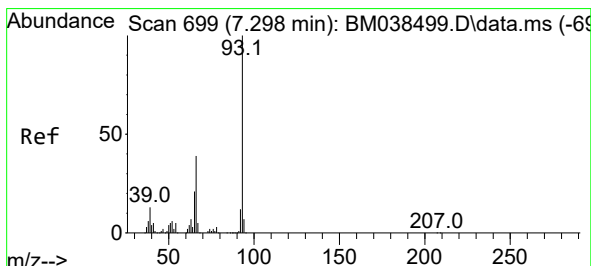
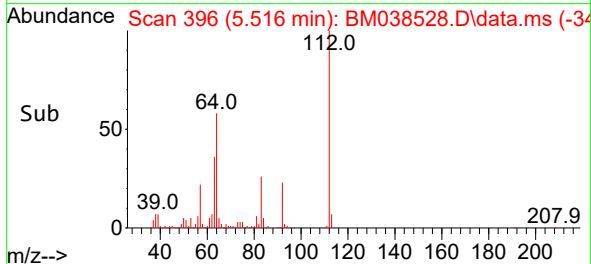
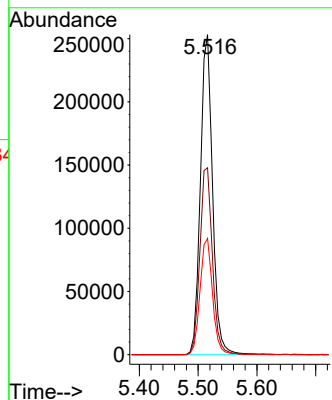
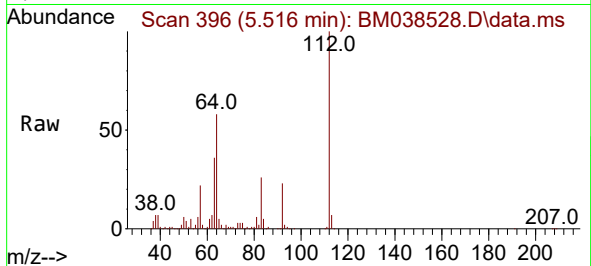




#5
2-Fluorophenol
Concen: 112.432 ng
RT: 5.516 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

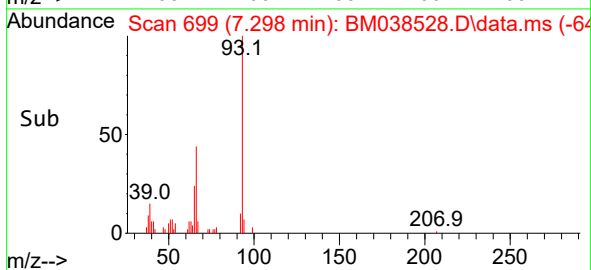
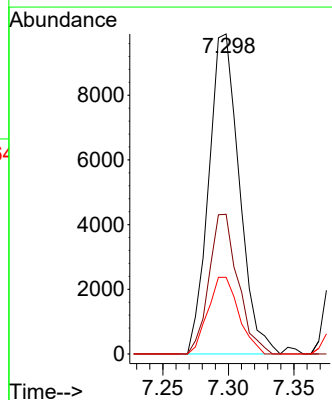
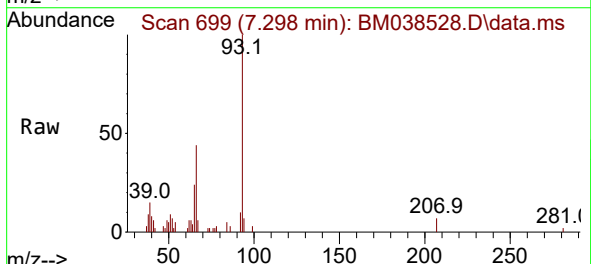
Instrument :
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ClientSampleId :
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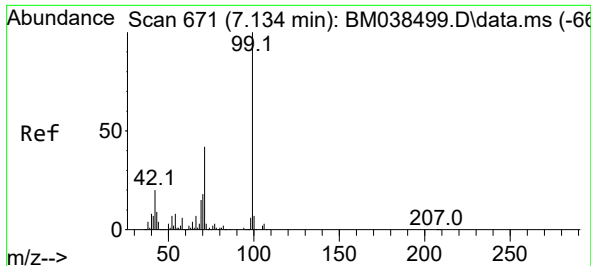
Tgt Ion:112 Resp: 362701
Ion Ratio Lower Upper
112 100
64 58.4 47.3 70.9
63 36.3 28.8 43.2



#6
Aniline
Concen: 3.140 ng
RT: 7.298 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 93 Resp: 16044
Ion Ratio Lower Upper
93 100
66 43.6 31.6 47.4
65 23.9 16.6 24.8

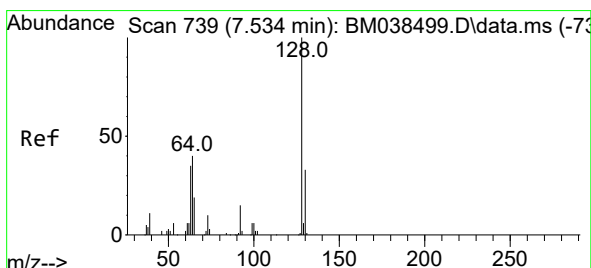
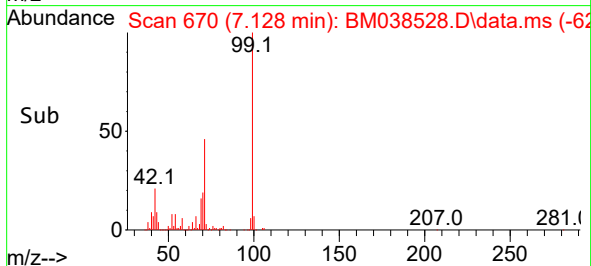
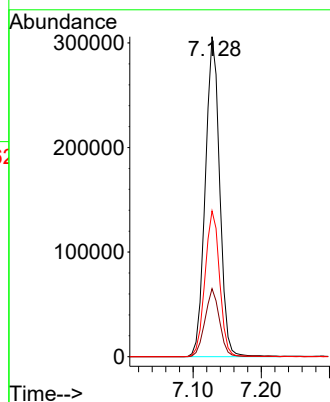
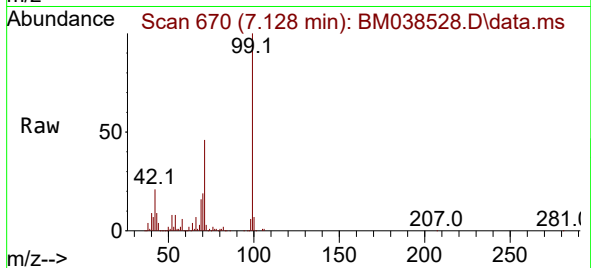




#7
Phenol-d6
Concen: 109.233 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

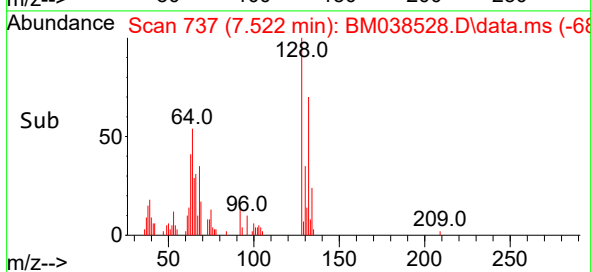
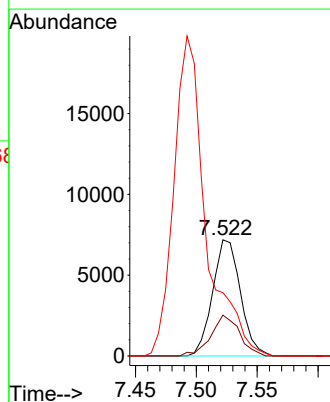
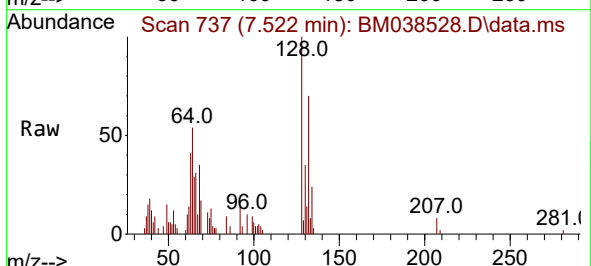
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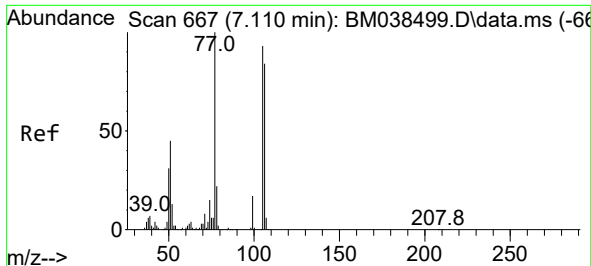
Tgt Ion: 99 Resp: 449594
Ion Ratio Lower Upper
99 100
42 21.3 16.0 24.0
71 45.5 33.8 50.6



#8
2-Chlorophenol
Concen: 3.464 ng
RT: 7.522 min Scan# 737
Delta R.T. -0.012 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 128 Resp: 11417
Ion Ratio Lower Upper
128 100
130 35.1 13.2 53.2
64 54.4 27.7 67.7

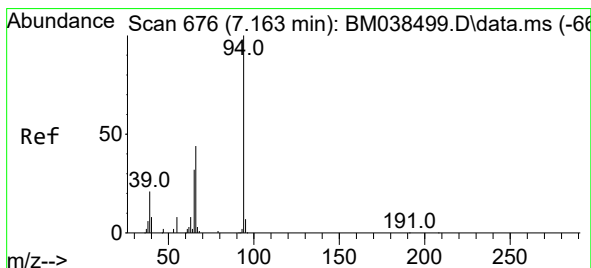
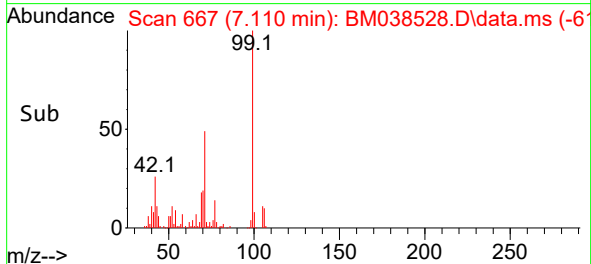
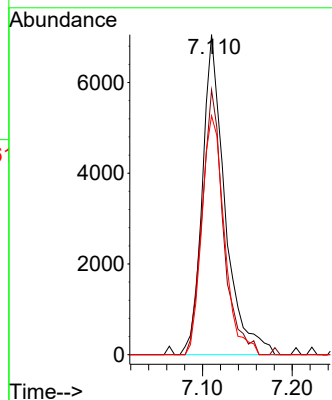
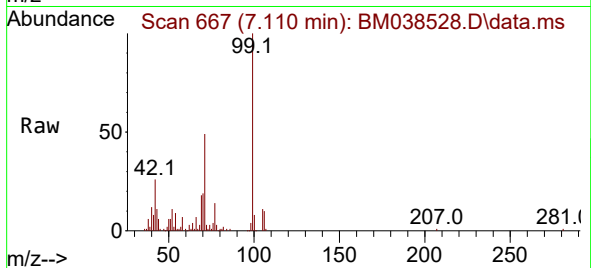




#9
Benzaldehyde
Concen: 5.046 ng
RT: 7.110 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

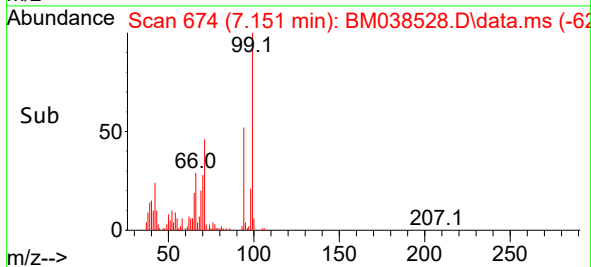
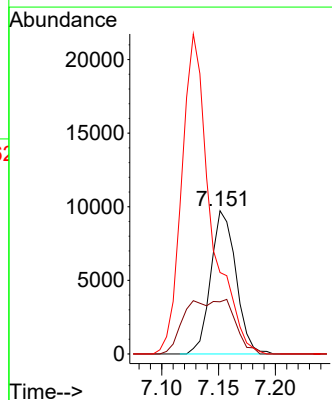
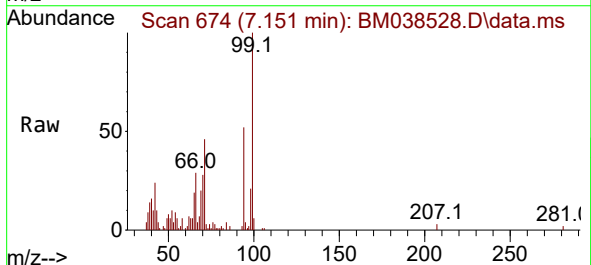
Instrument :
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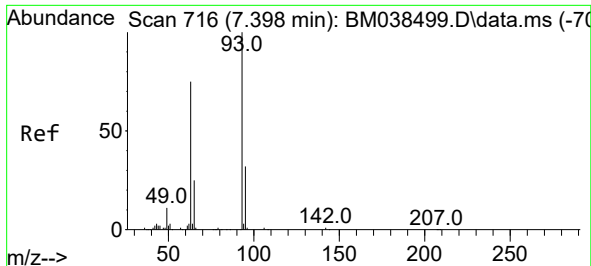
Tgt Ion: 77 Resp: 12319
Ion Ratio Lower Upper
77 100
105 82.7 72.9 112.9
106 74.6 63.8 103.8



#10
Phenol
Concen: 3.639 ng
RT: 7.151 min Scan# 674
Delta R.T. -0.012 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 94 Resp: 14966
Ion Ratio Lower Upper
94 100
65 36.5 12.7 52.7
66 56.8 26.0 66.0

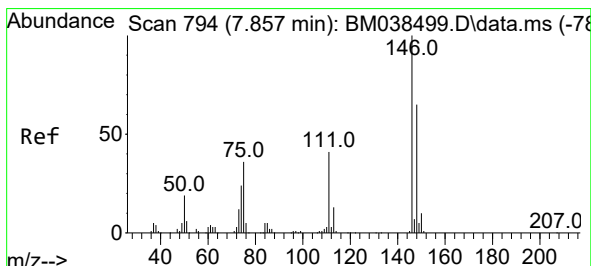
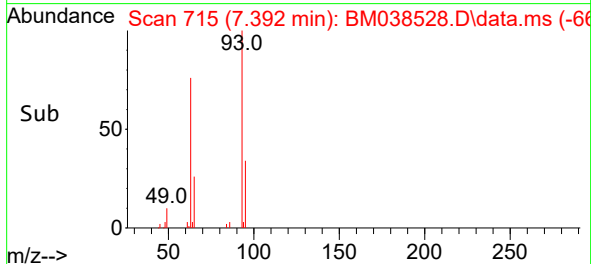
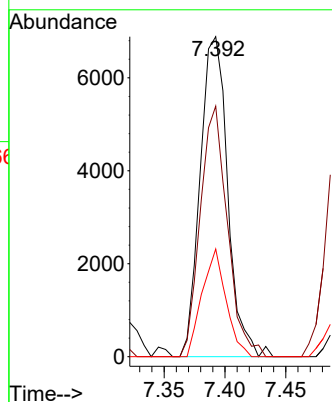
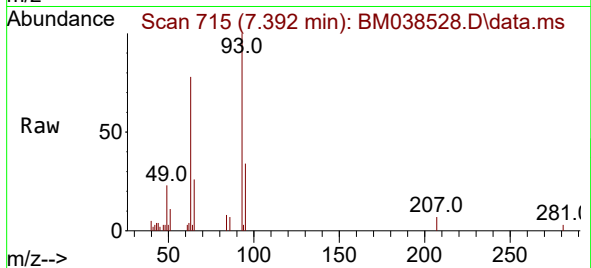




#11
bis(2-Chloroethyl)ether
Concen: 3.336 ng
RT: 7.392 min Scan# 716
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

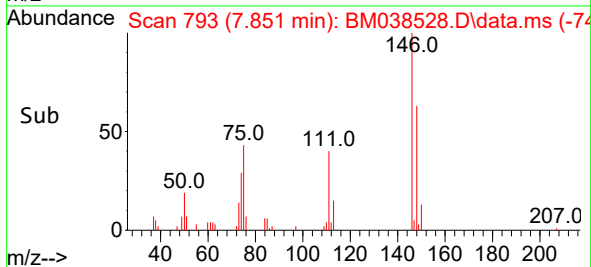
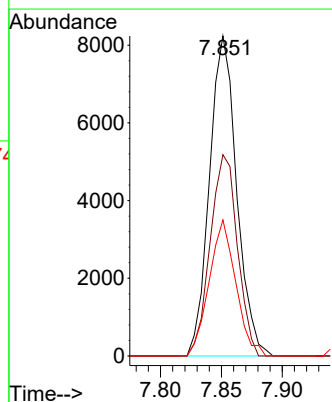
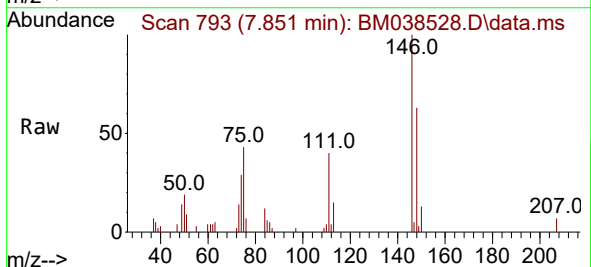
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

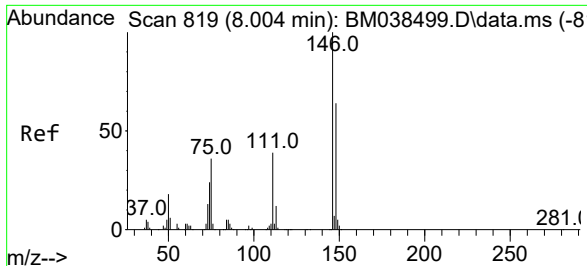
Tgt Ion: 93 Resp: 10826
Ion Ratio Lower Upper
93 100
63 78.3 54.4 94.4
95 33.7 11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 3.417 ng
RT: 7.851 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:146 Resp: 12801
Ion Ratio Lower Upper
146 100
148 62.9 52.1 78.1
75 42.5 28.7 43.1

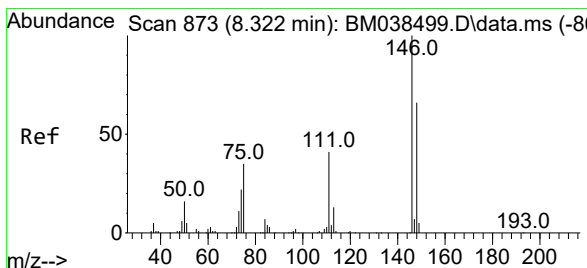
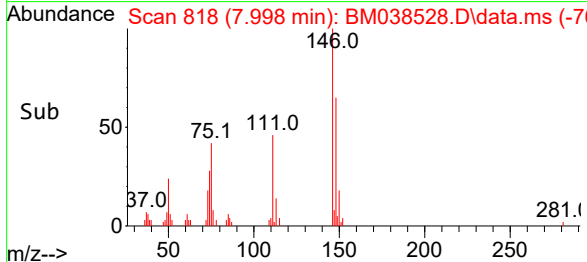
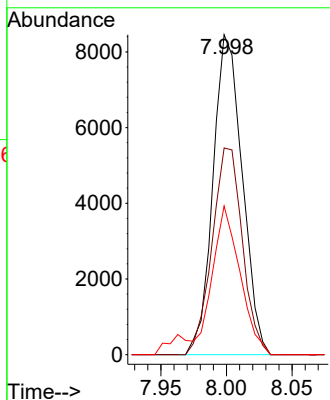
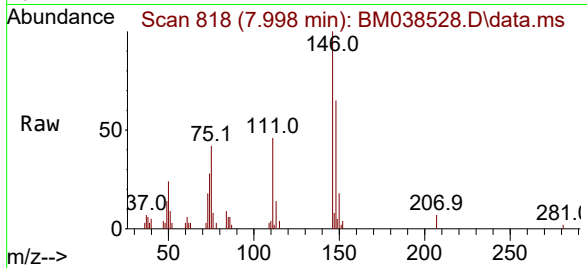




#13
1,4-Dichlorobenzene
Concen: 3.463 ng
RT: 7.998 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

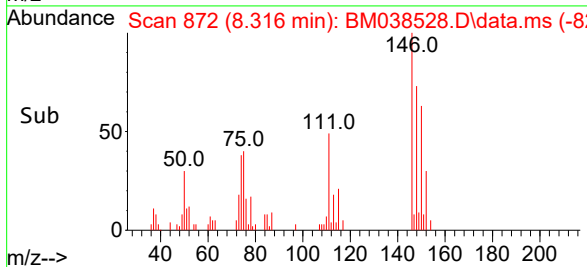
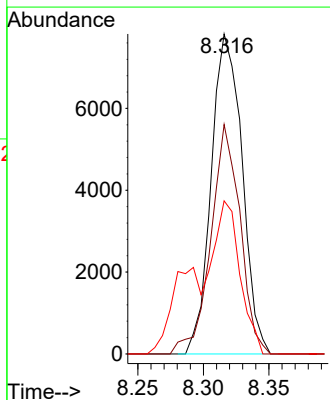
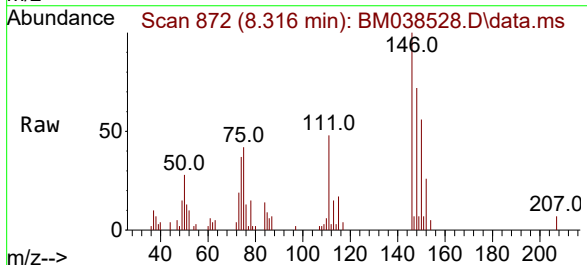
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

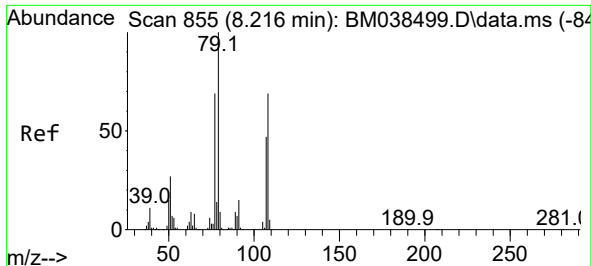
Tgt Ion:146 Resp: 13111
Ion Ratio Lower Upper
146 100
148 64.6 51.3 76.9
111 46.4 31.4 47.0



#14
1,2-Dichlorobenzene
Concen: 3.487 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:146 Resp: 12784
Ion Ratio Lower Upper
146 100
148 71.7 52.7 79.1
111 47.8 33.2 49.8

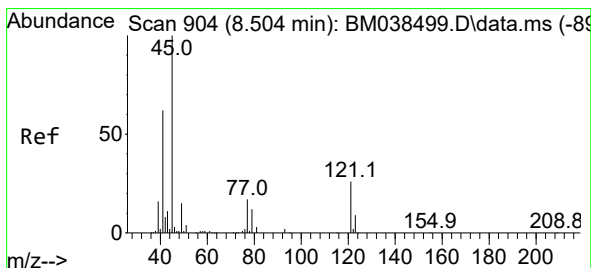
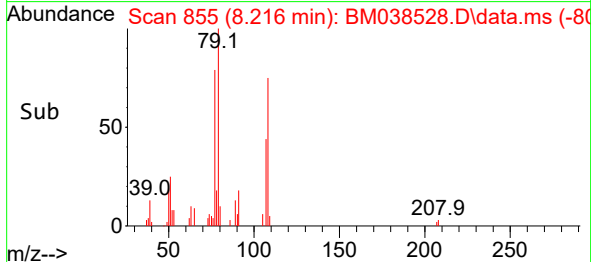
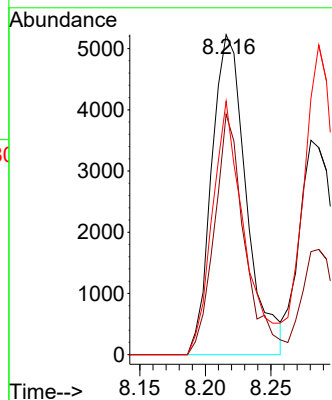
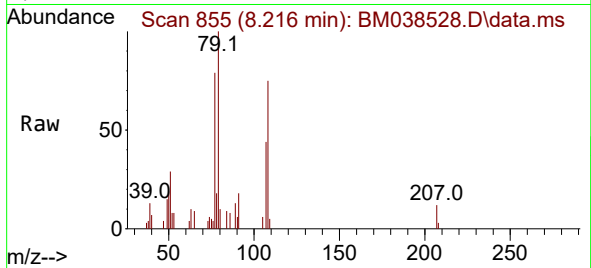




#15
Benzyl Alcohol
Concen: 3.129 ng
RT: 8.216 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

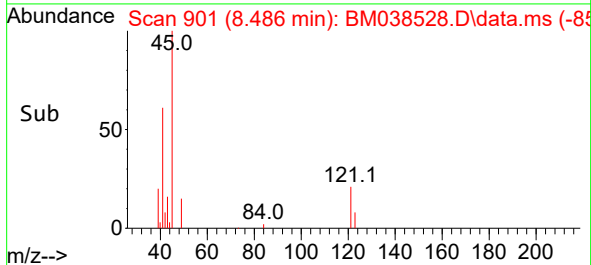
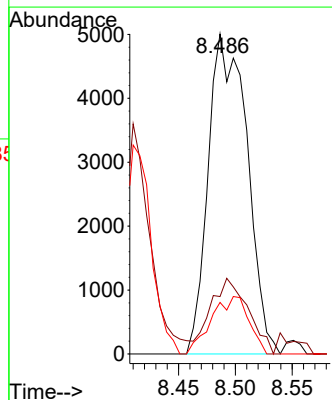
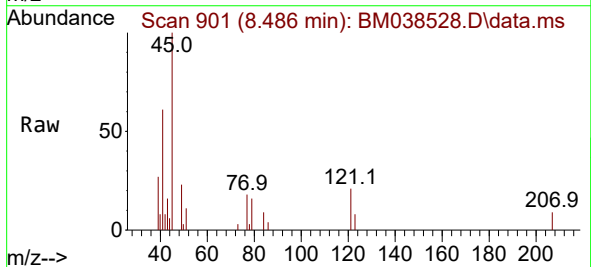
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

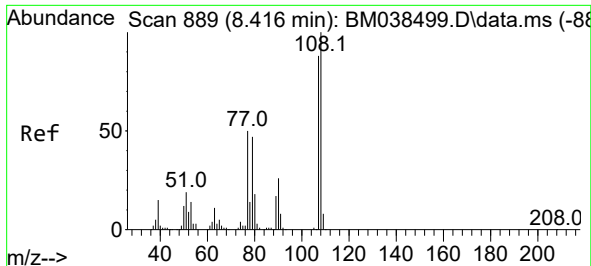
Tgt Ion: 79 Resp: 9630
Ion Ratio Lower Upper
79 100
108 75.1 55.0 82.6
77 79.2 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.480 ng
RT: 8.486 min Scan# 901
Delta R.T. -0.018 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 45 Resp: 11860
Ion Ratio Lower Upper
45 100
77 17.9 0.0 39.2
79 16.1 0.0 34.9

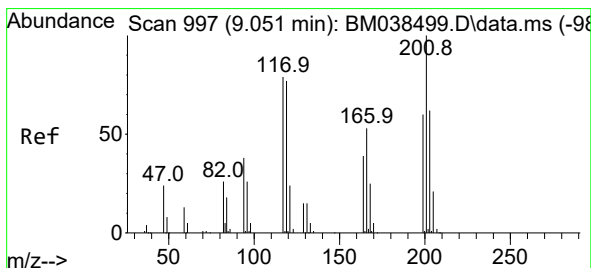
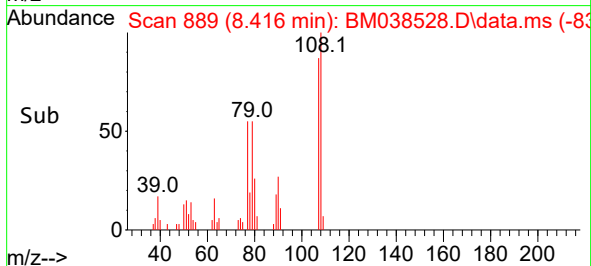
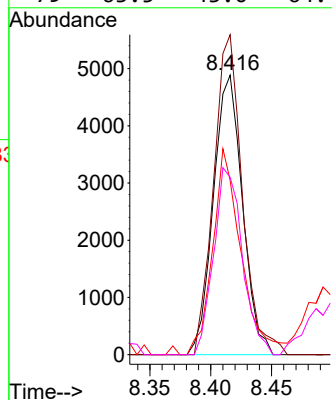
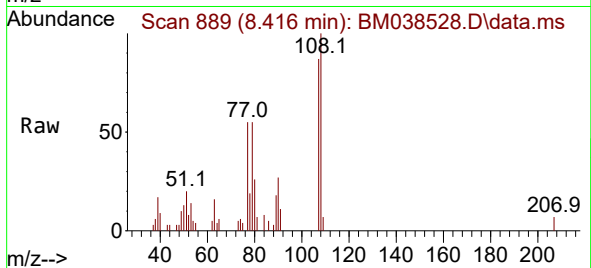




#17
2-Methylphenol
Concen: 2.788 ng
RT: 8.416 min Scan# 811
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

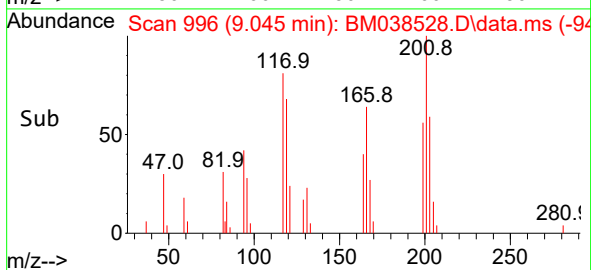
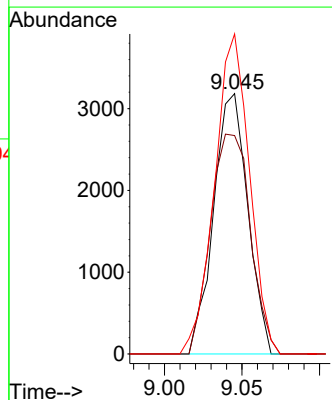
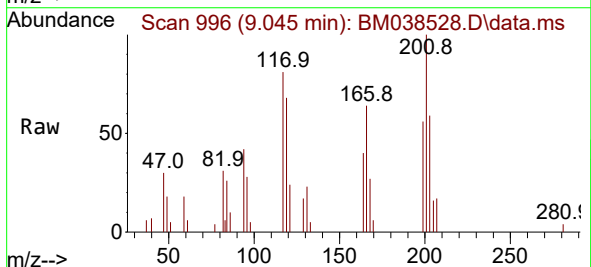
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

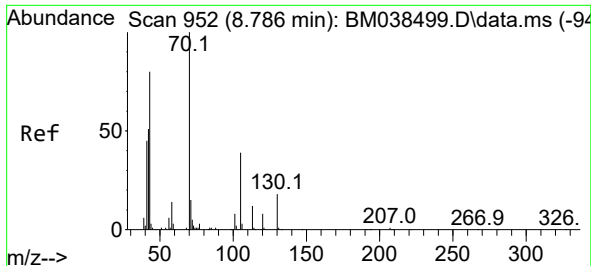
Tgt Ion:	107	Resp:	8117
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.8	136.2
77	62.4	46.1	69.1
79	63.5	43.0	64.4



#18
Hexachloroethane
Concen: 3.471 ng
RT: 9.045 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:	117	Resp:	4885
Ion	Ratio	Lower	Upper
117	100		
119	83.9	77.9	116.9
201	122.9	100.6	151.0

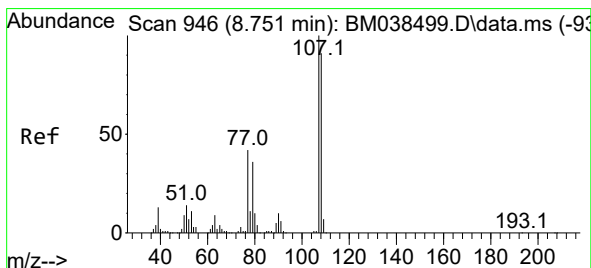
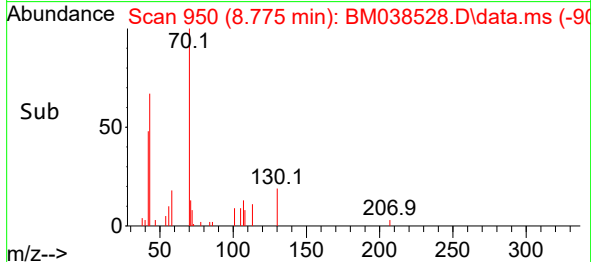
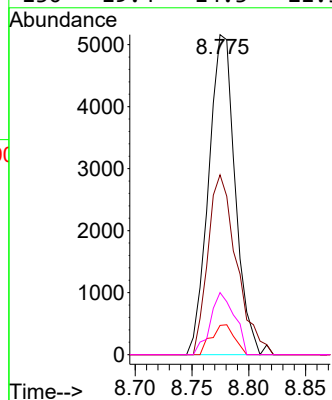
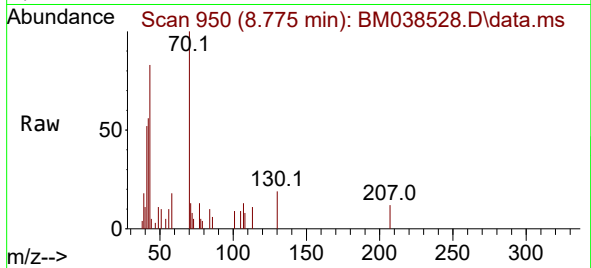




#19
n-Nitroso-di-n-propylamine
Concen: 2.836 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

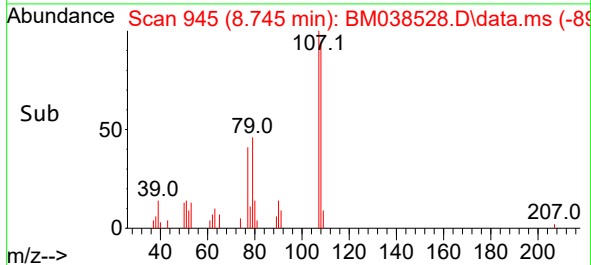
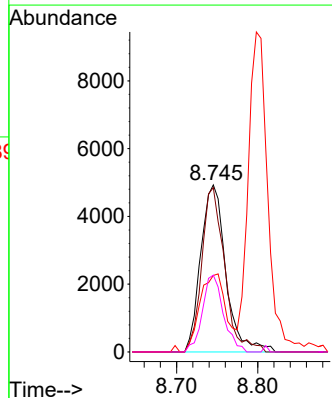
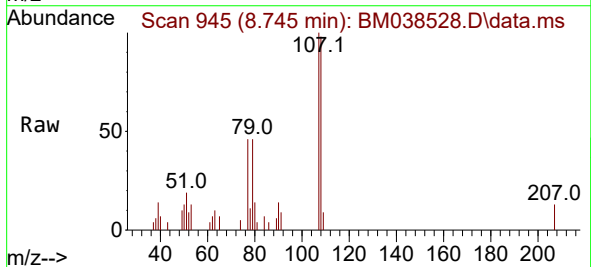
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

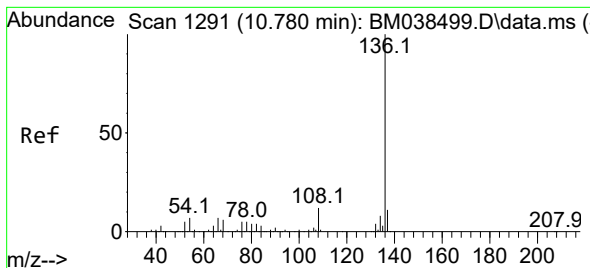
Tgt Ion:	70	Resp:	8420
Ion	Ratio	Lower	Upper
70	100		
42	56.2	41.4	62.2
101	9.1	6.5	9.7
130	19.4	14.3	21.5



#20
3+4-Methylphenols
Concen: 2.720 ng
RT: 8.745 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:	107	Resp:	10610
Ion	Ratio	Lower	Upper
107	100		
108	98.3	70.7	110.7
77	45.8	22.0	62.0
79	45.9	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: BM038528.D

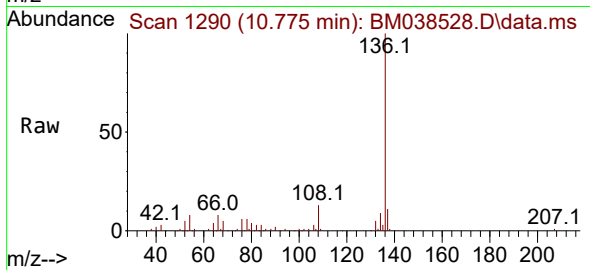
Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:136 Resp: 168031

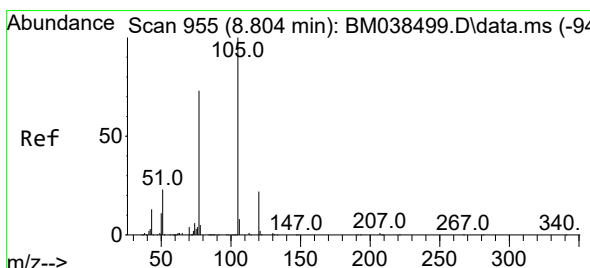
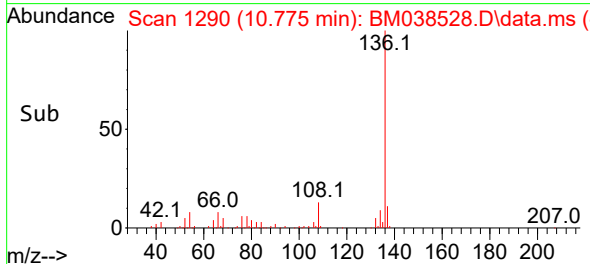
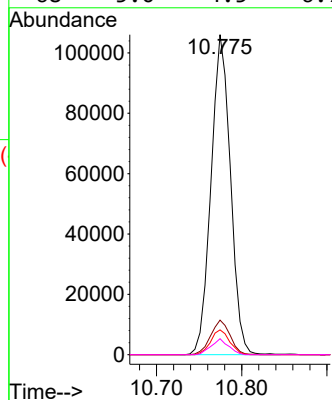
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.0 9.0

68 5.0 4.5 6.7



#22

Acetophenone

Concen: 3.614 ng

RT: 8.798 min Scan# 954

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Tgt Ion:105 Resp: 16729

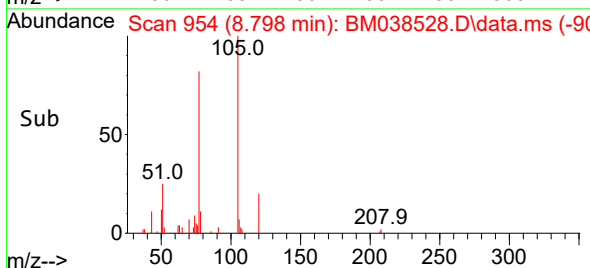
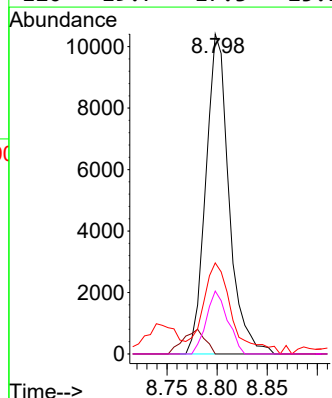
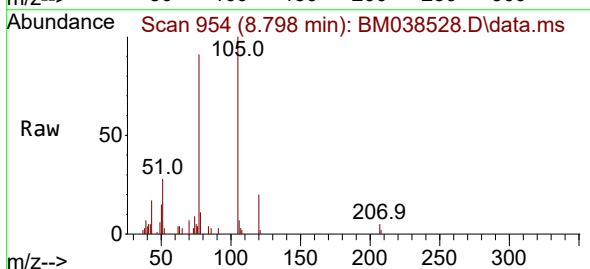
Ion Ratio Lower Upper

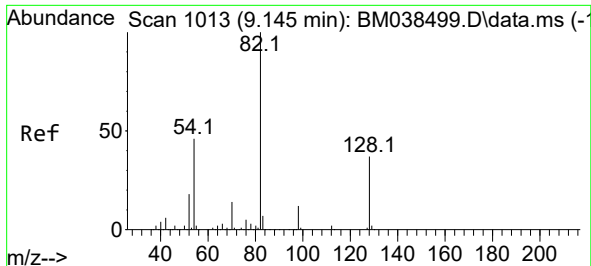
105 100

71 0.0 0.9 1.3#

51 28.5 21.8 32.8

120 19.7 17.3 25.9





#23

Nitrobenzene-d5

Concen: 76.871 ng

RT: 9.139 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

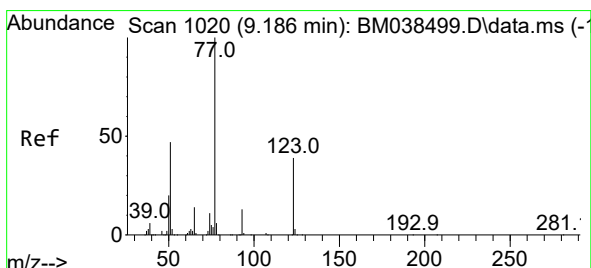
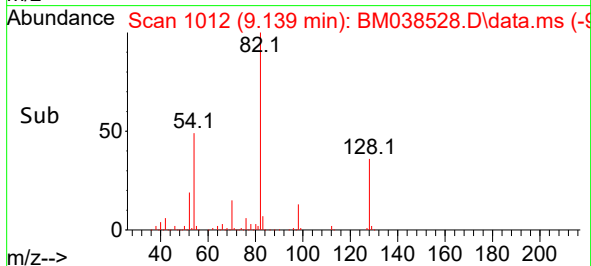
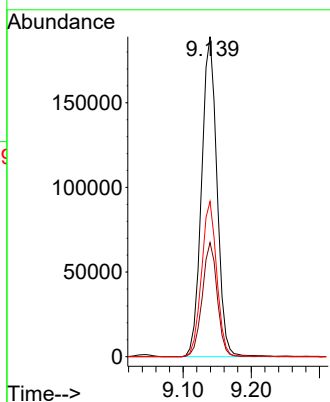
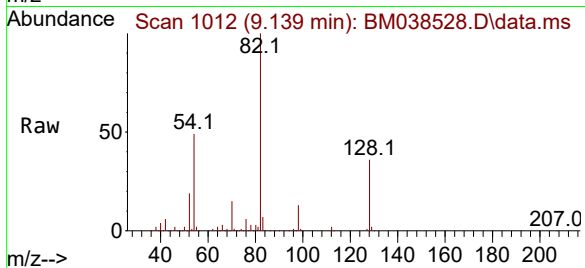
Tgt Ion: 82 Resp: 297449

Ion Ratio Lower Upper

82 100

128 35.6 29.3 43.9

54 48.5 36.9 55.3



#24

Nitrobenzene

Concen: 4.085 ng

RT: 9.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

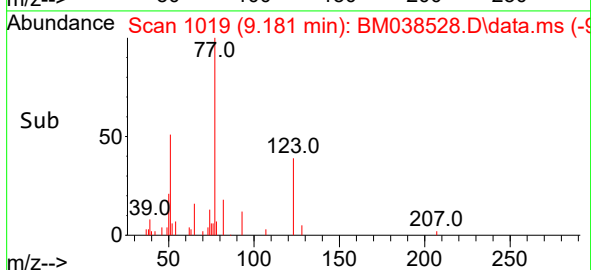
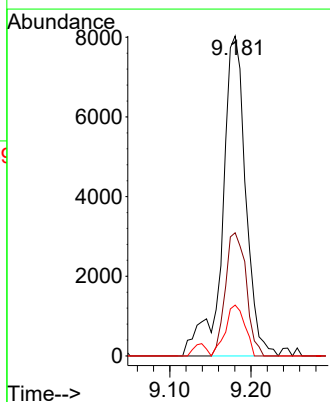
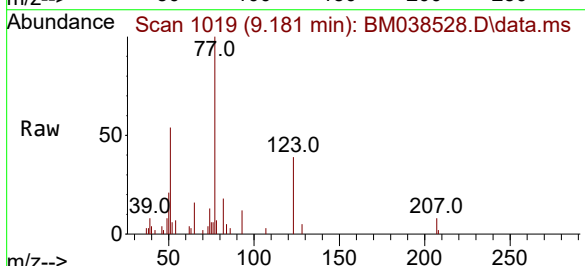
Tgt Ion: 77 Resp: 15995

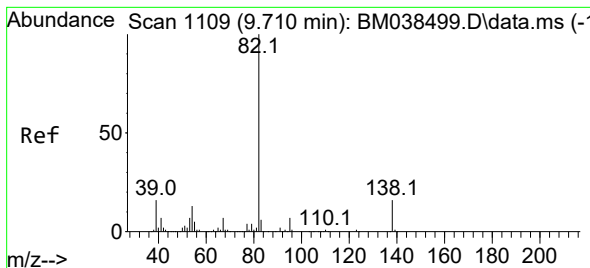
Ion Ratio Lower Upper

77 100

123 38.5 31.5 47.3

65 15.9 11.2 16.8





#25

Isophorone

Concen: 3.337 ng

RT: 9.704 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

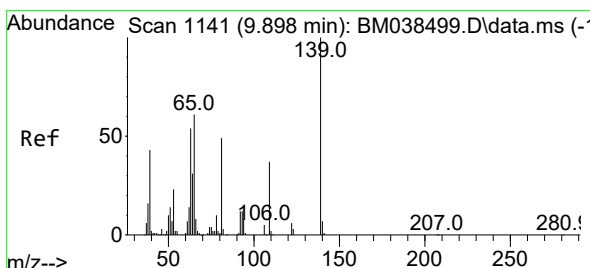
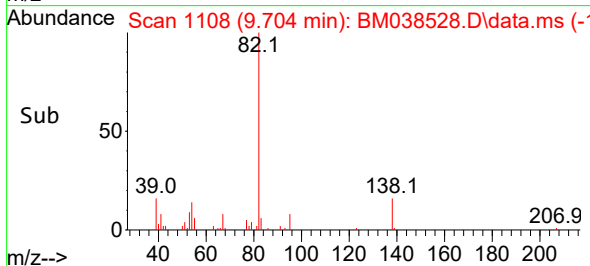
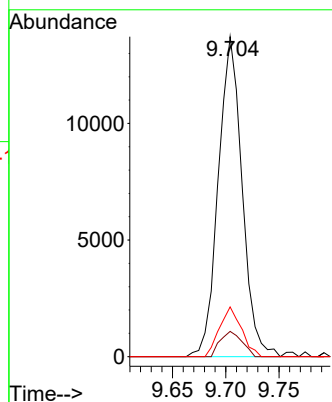
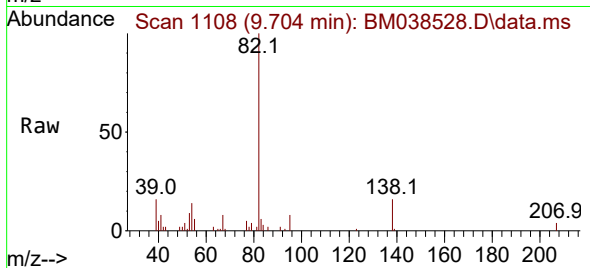
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:	82	Resp:	21310
Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.6	8.4
138	15.5	13.2	19.8



#26

2-Nitrophenol

Concen: 2.846 ng

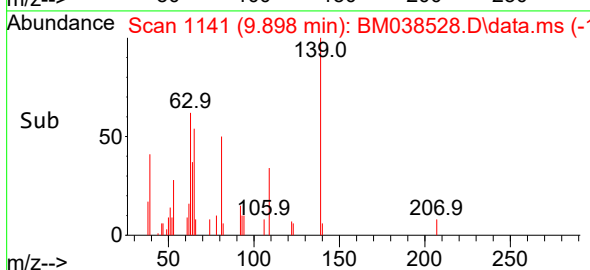
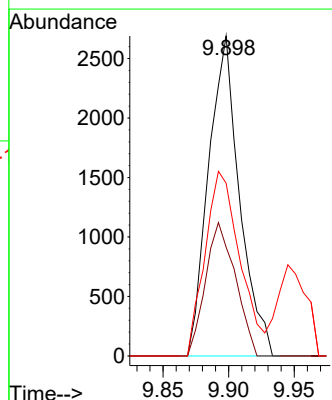
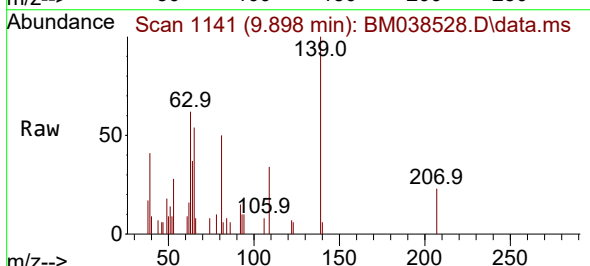
RT: 9.898 min Scan# 1141

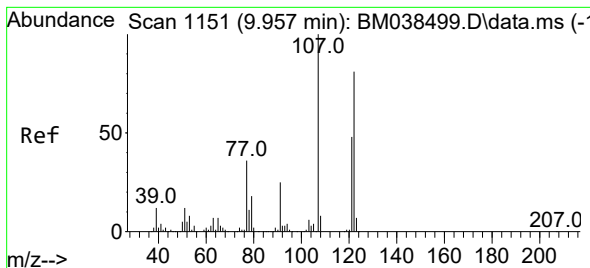
Delta R.T. -0.000 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Tgt Ion:	139	Resp:	4423
Ion	Ratio	Lower	Upper
139	100		
109	34.0	29.3	43.9
65	54.0	48.6	72.8





#27

2,4-Dimethylphenol

Concen: 2.956 ng

RT: 9.951 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

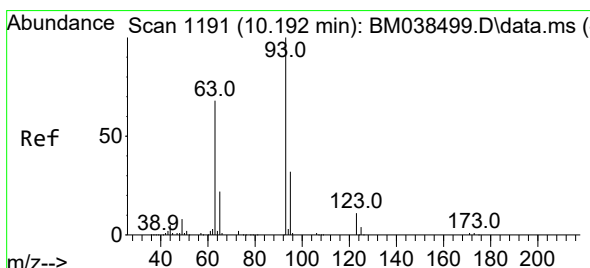
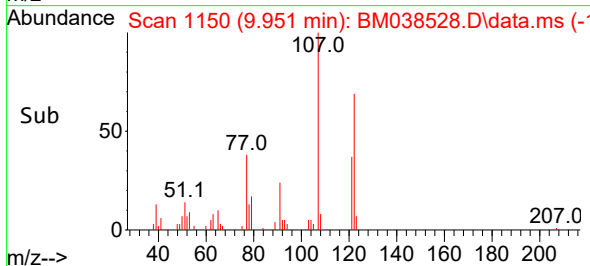
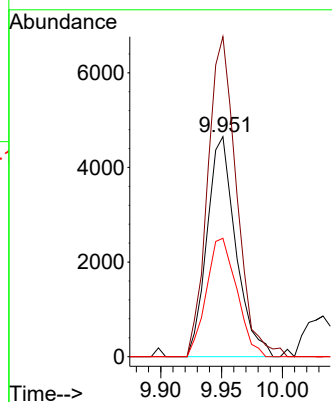
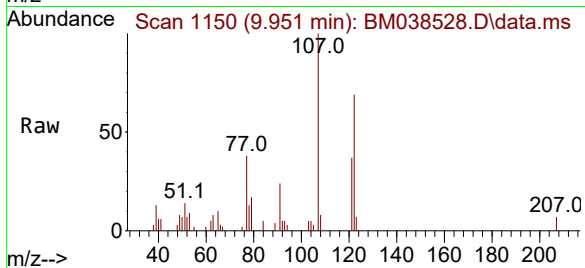
Tgt Ion:122 Resp: 7646

Ion Ratio Lower Upper

122 100

107 145.4 98.2 147.2

121 53.8 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 3.308 ng

RT: 10.186 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

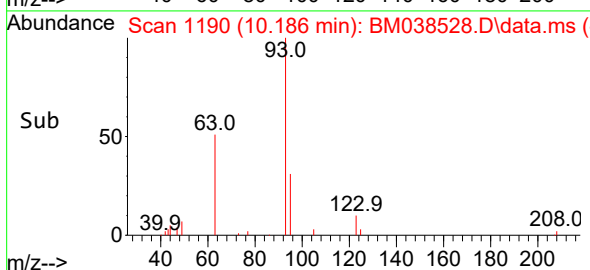
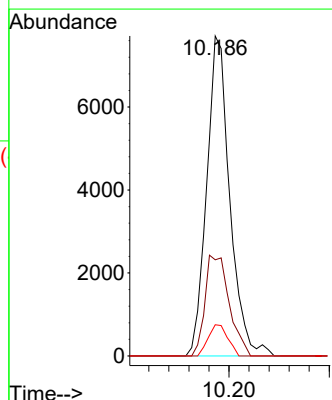
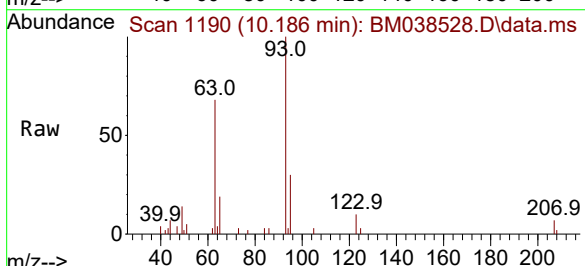
Tgt Ion: 93 Resp: 12359

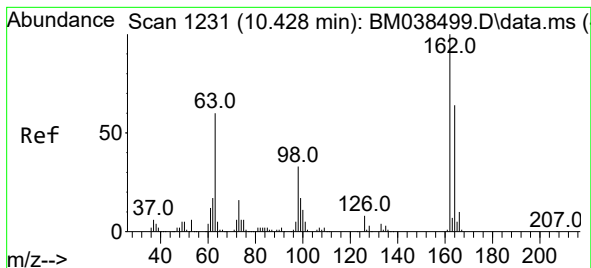
Ion Ratio Lower Upper

93 100

95 30.1 25.3 37.9

123 9.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 3.046 ng

RT: 10.433 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

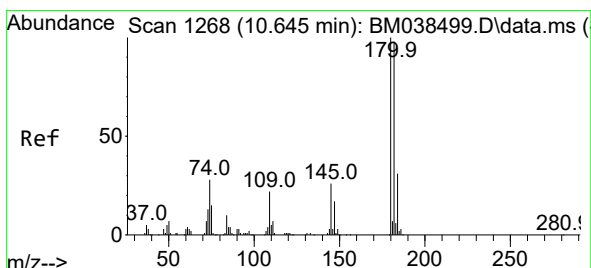
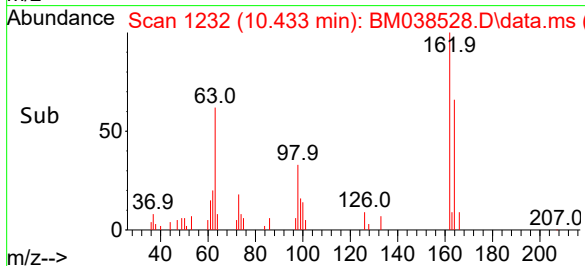
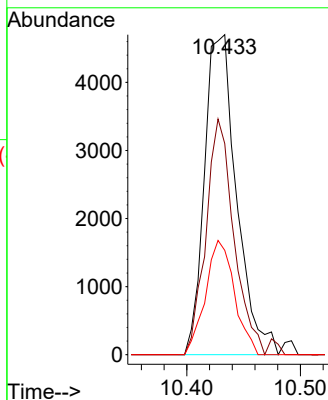
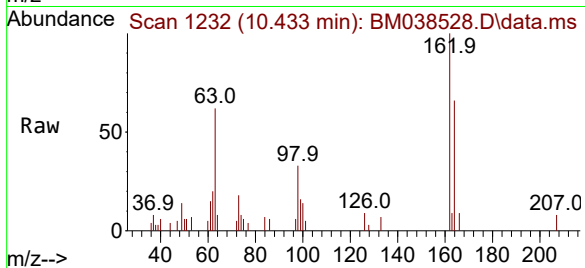
Tgt Ion:162 Resp: 9243

Ion Ratio Lower Upper

162 100

164 65.9 43.7 83.7

98 32.6 12.9 52.9



#30

1,2,4-Trichlorobenzene

Concen: 3.616 ng

RT: 10.639 min Scan# 1267

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

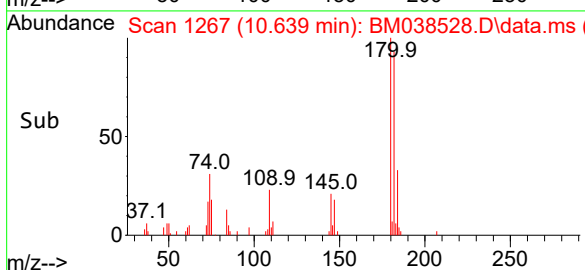
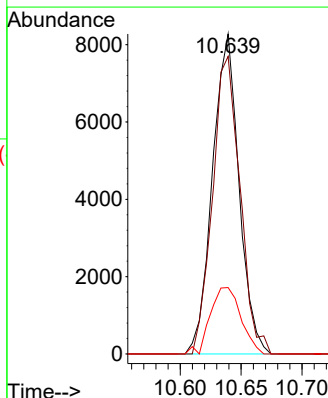
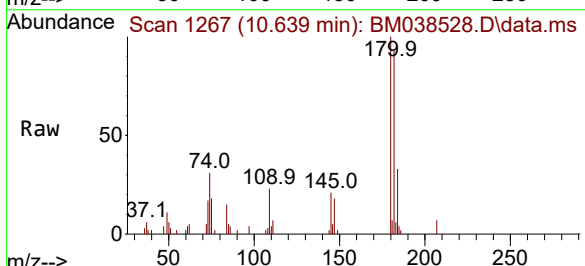
Tgt Ion:180 Resp: 12547

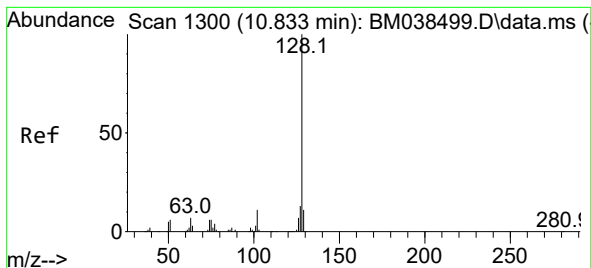
Ion Ratio Lower Upper

180 100

182 93.0 78.3 117.5

145 20.7 21.0 31.6#





#31

Naphthalene

Concen: 3.294 ng

RT: 10.827 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

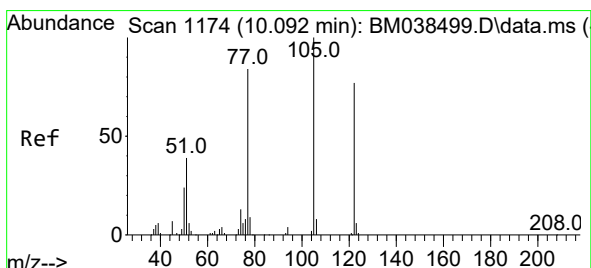
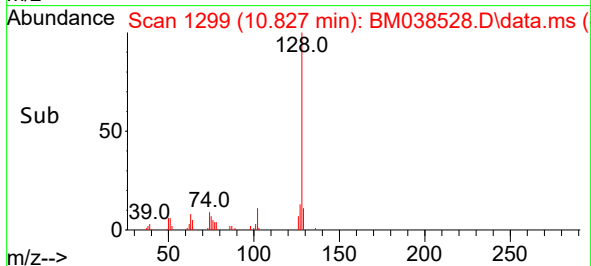
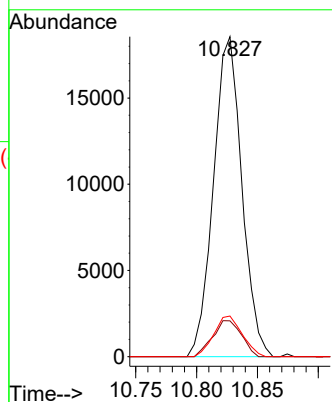
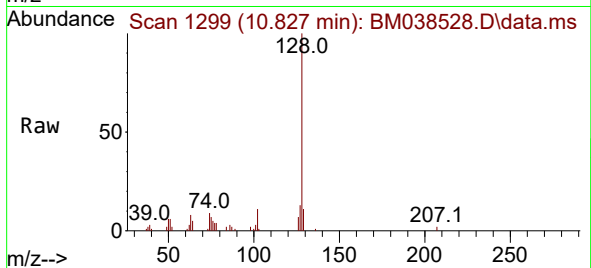
Tgt Ion:128 Resp: 30071

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.7 10.3 15.5



#32

Benzoic acid

Concen: 6.446 ng

RT: 10.033 min Scan# 1164

Delta R.T. -0.059 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

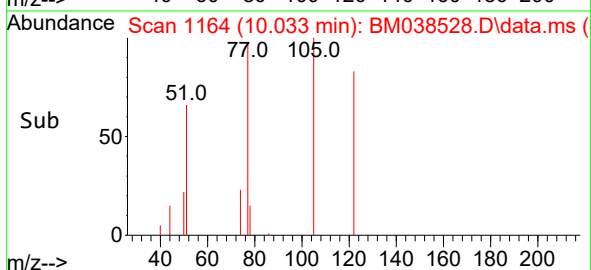
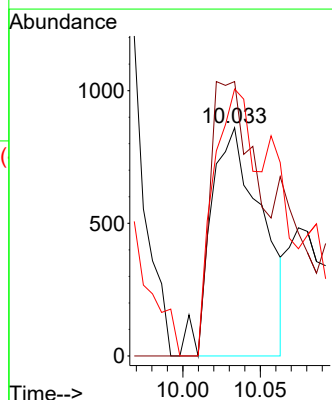
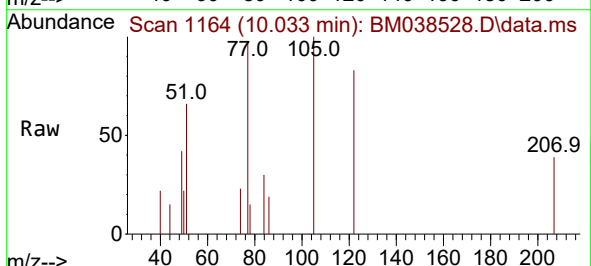
Tgt Ion:122 Resp: 1965

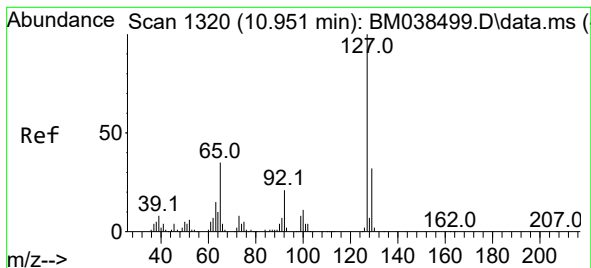
Ion Ratio Lower Upper

122 100

105 120.2 107.9 147.9

77 117.0 88.6 128.6





#33

4-Chloroaniline

Concen: 2.911 ng

RT: 10.951 min Scan# 11091

Delta R.T. -0.000 min

Lab File: BM038528.D

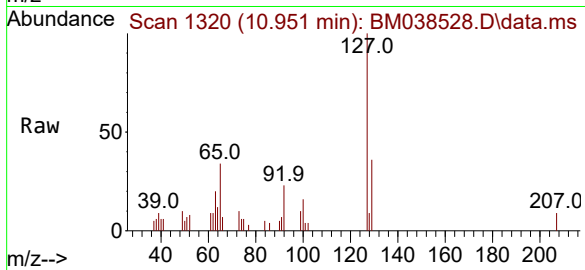
Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:127 Resp: 11091

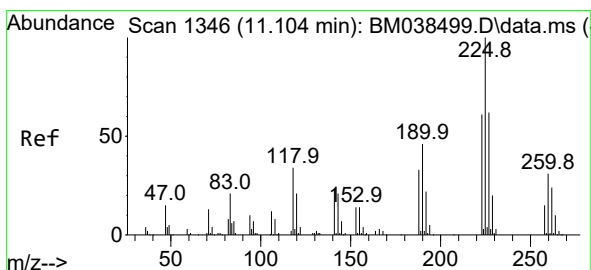
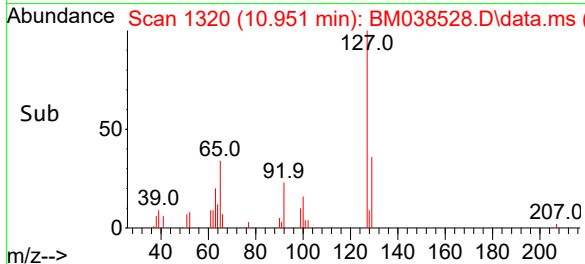
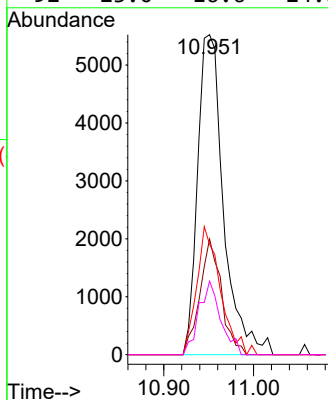
Ion Ratio Lower Upper

127 100

129 36.1 25.8 38.6

65 34.5 28.2 42.2

92 23.0 16.6 24.8



#34

Hexachlorobutadiene

Concen: 3.784 ng

RT: 11.098 min Scan# 1345

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

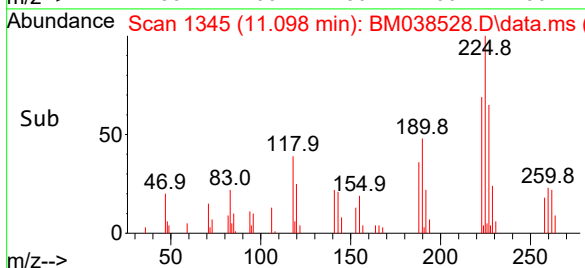
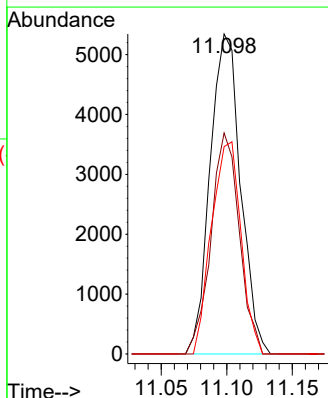
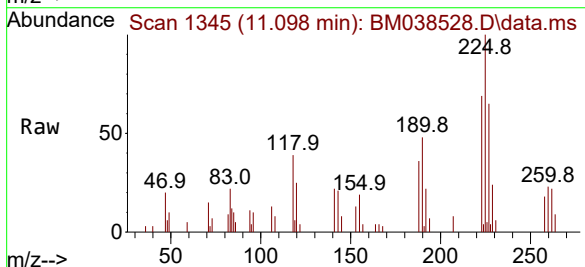
Tgt Ion:225 Resp: 8637

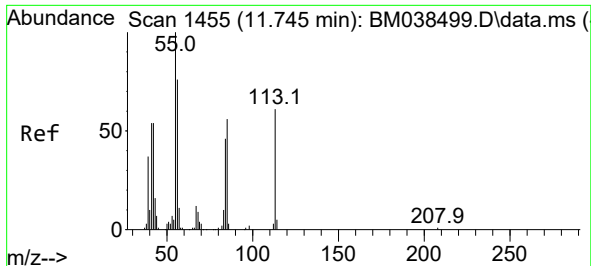
Ion Ratio Lower Upper

225 100

223 69.0 48.8 73.2

227 68.6 49.4 74.0

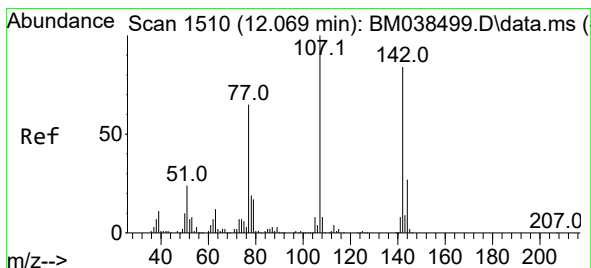
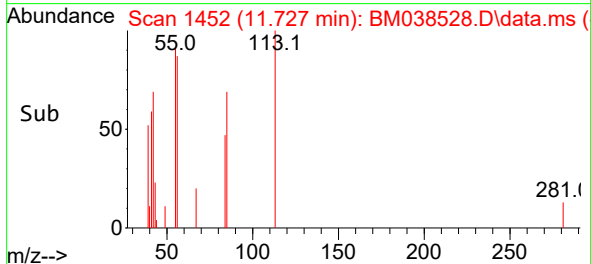
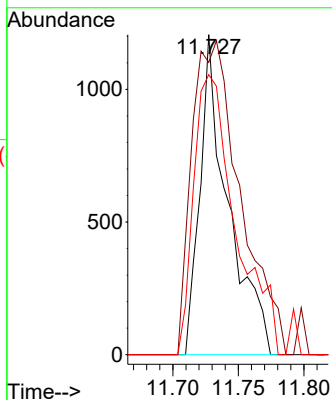
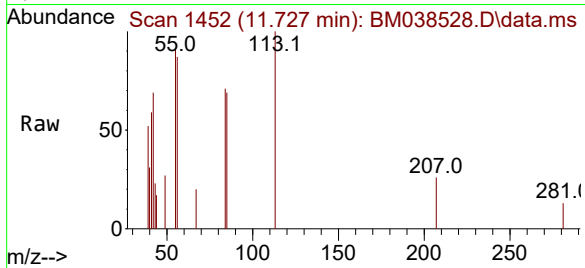




#35
Caprolactam
Concen: 2.443 ng
RT: 11.727 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

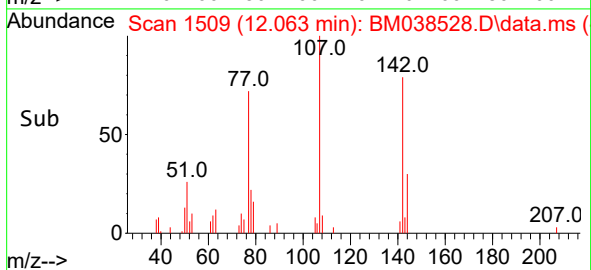
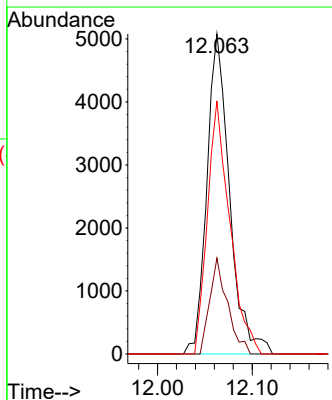
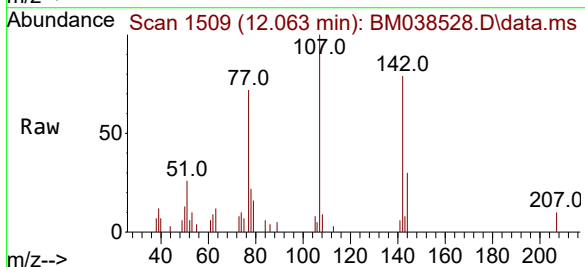
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

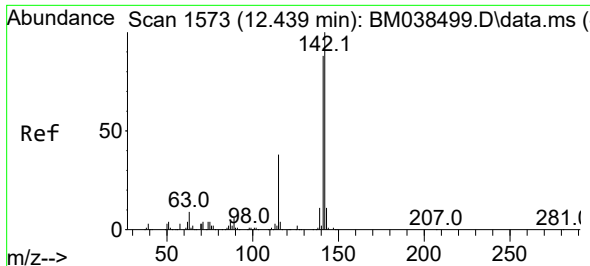
Tgt Ion:113 Resp: 1797
Ion Ratio Lower Upper
113 100
55 91.4 145.0 185.0#
56 87.5 105.7 145.7#



#36
4-Chloro-3-methylphenol
Concen: 3.058 ng
RT: 12.063 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:107 Resp: 8438
Ion Ratio Lower Upper
107 100
144 29.9 22.0 33.0
142 79.1 67.5 101.3

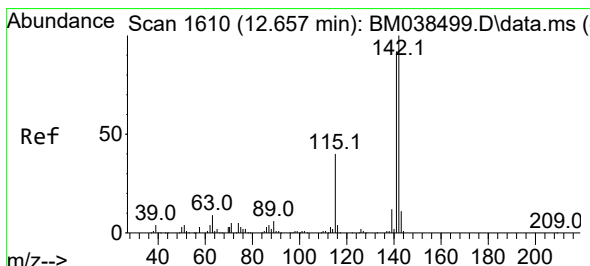
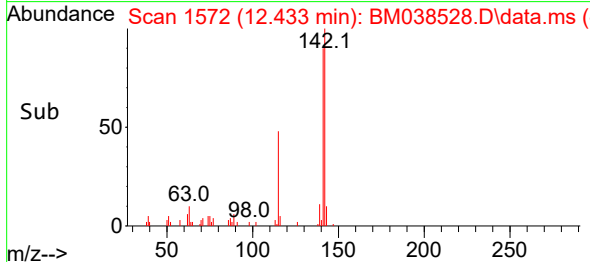
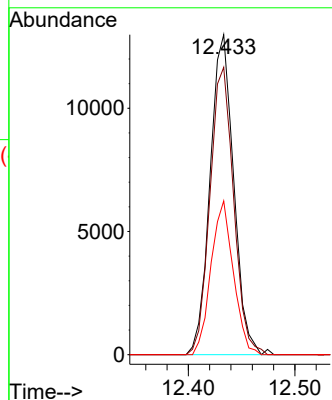
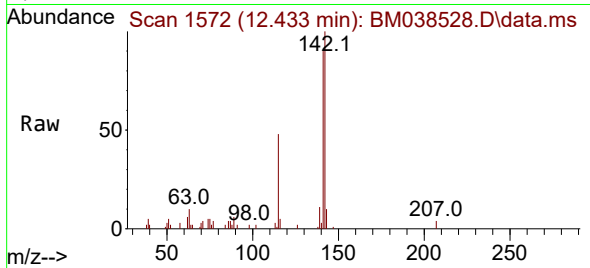




#37
2-Methylnaphthalene
Concen: 3.045 ng
RT: 12.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

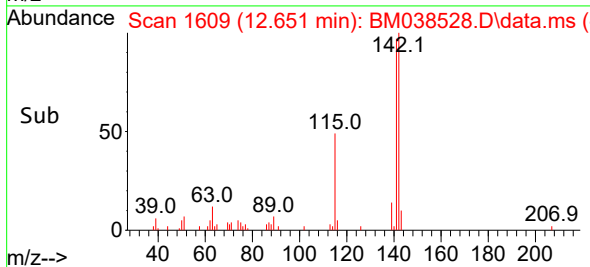
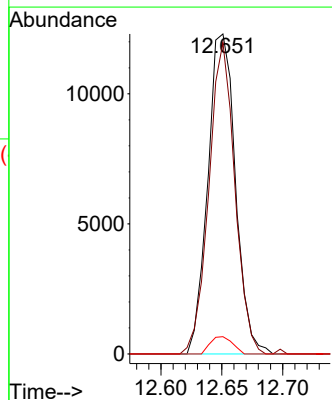
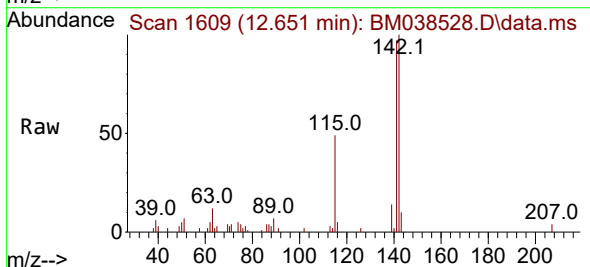
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

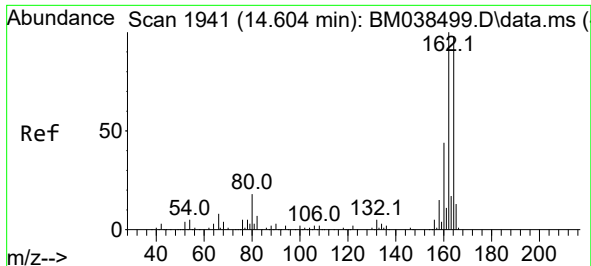
Tgt Ion:142 Resp: 19978
Ion Ratio Lower Upper
142 100
141 89.8 70.7 106.1
115 48.0 30.4 45.6#



#38
1-Methylnaphthalene
Concen: 3.147 ng
RT: 12.651 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:142 Resp: 19473
Ion Ratio Lower Upper
142 100
141 97.3 73.4 110.0
116 5.4 3.3 4.9#

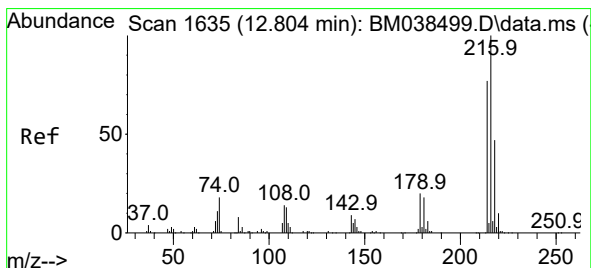
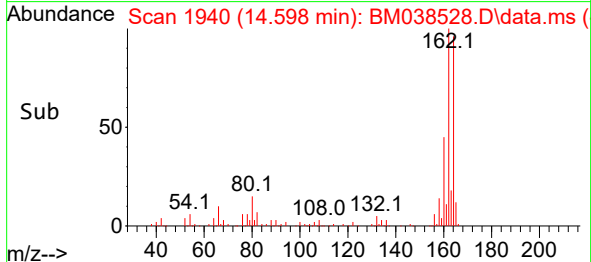
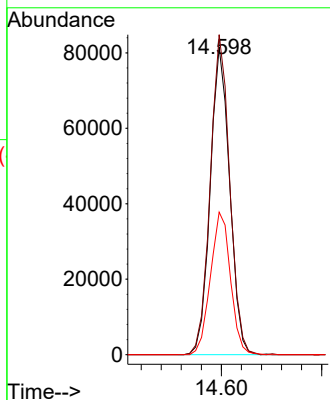
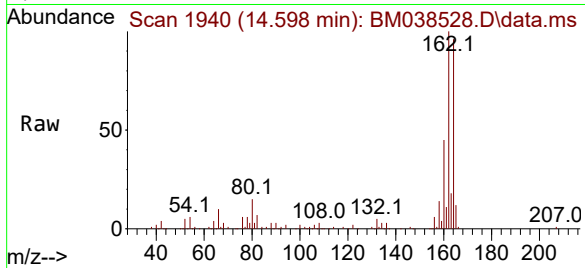




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

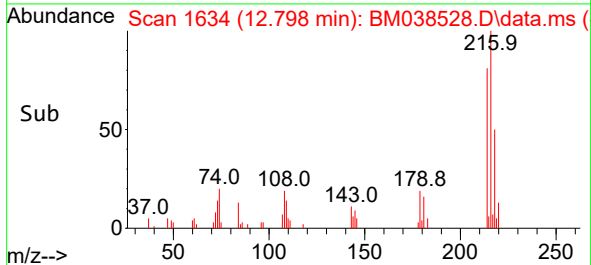
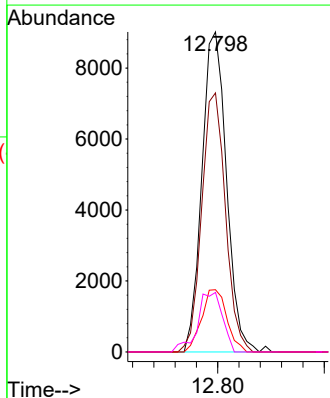
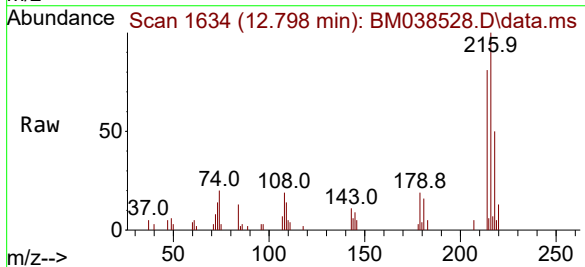
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

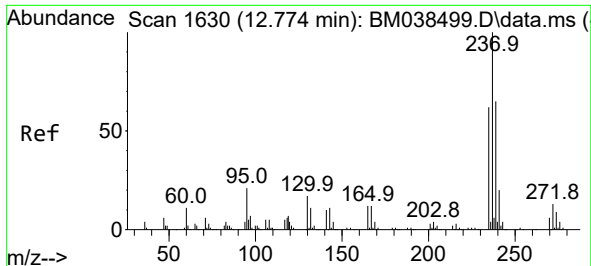
Tgt Ion:164 Resp: 109627
Ion Ratio Lower Upper
164 100
162 104.0 82.0 123.0
160 46.4 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.506 ng
RT: 12.798 min Scan# 1634
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:216 Resp: 14456
Ion Ratio Lower Upper
216 100
214 78.2 61.4 92.0
179 19.9 15.7 23.5
108 18.8 14.0 21.0

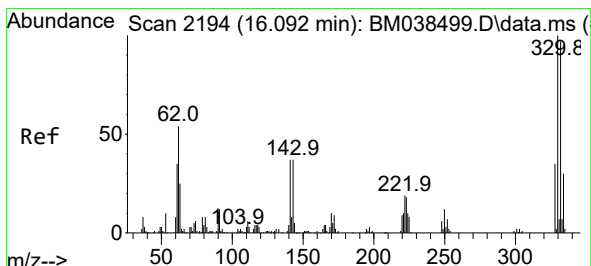
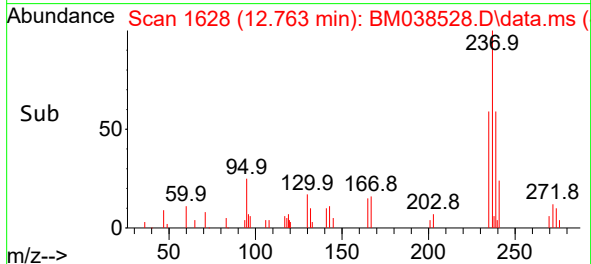
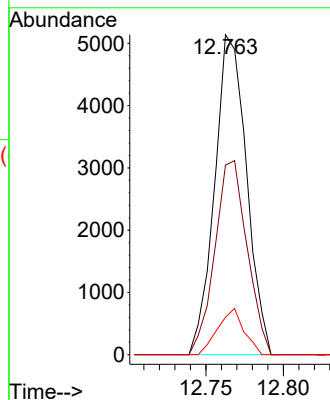
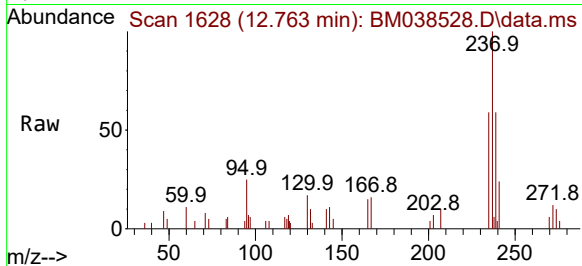




#41
Hexachlorocyclopentadiene
Concen: 3.242 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

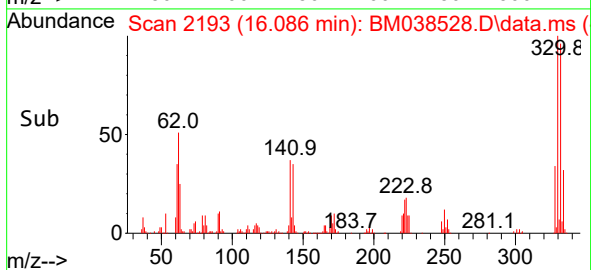
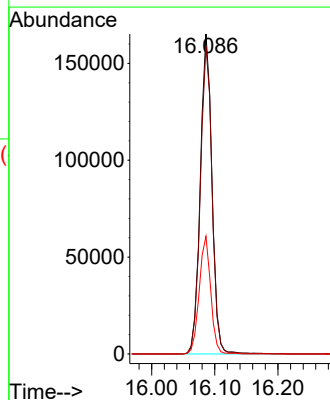
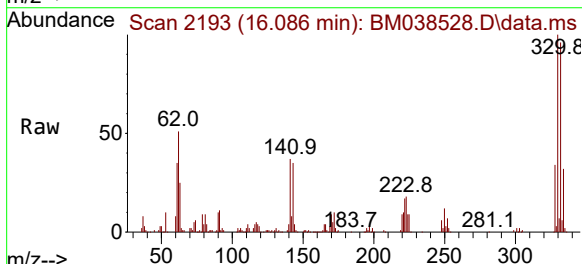
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

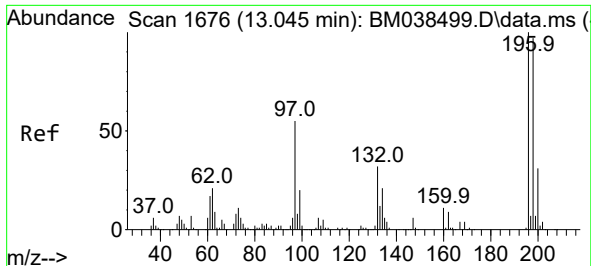
Tgt Ion:237	Resp:	7349
Ion Ratio	Lower	Upper
237	100	
235	59.3	42.3 82.3
272	11.7	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 134.130 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:330	Resp:	211746
Ion Ratio	Lower	Upper
330	100	
332	96.4	77.5 116.3
141	36.0	29.0 43.4

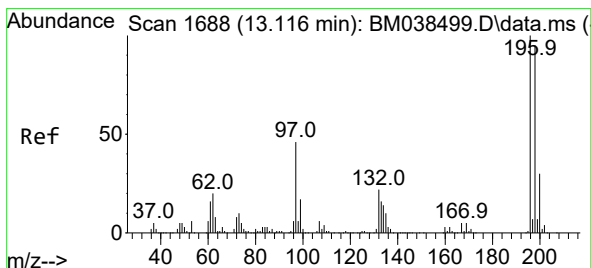
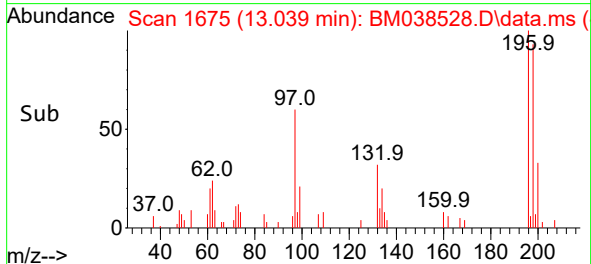
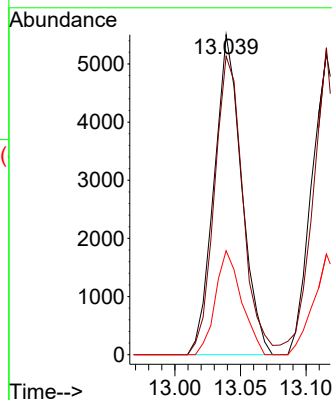
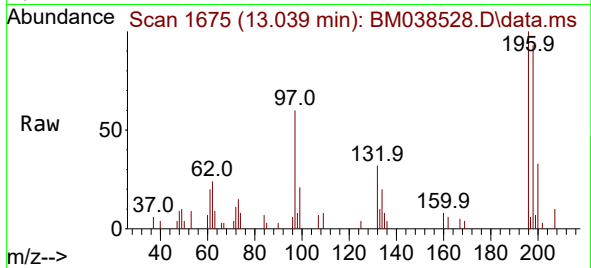




#43
2,4,6-Trichlorophenol
Concen: 3.048 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

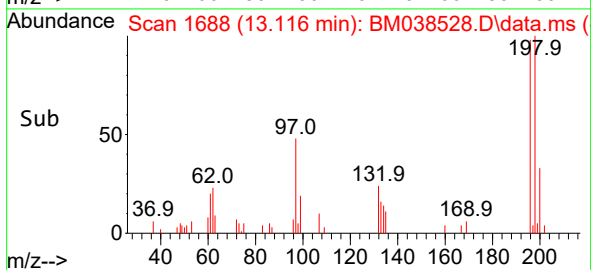
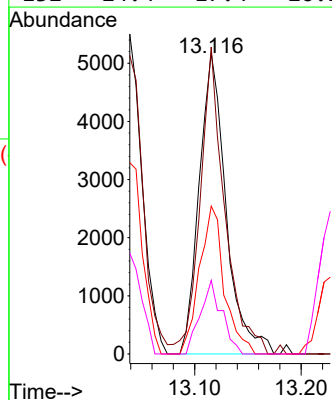
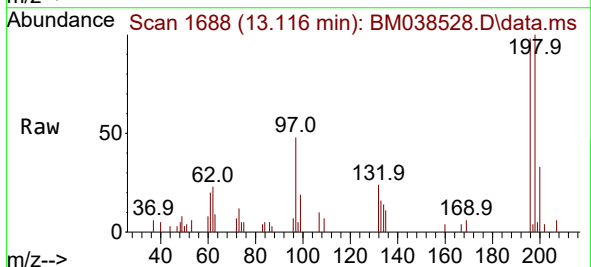
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

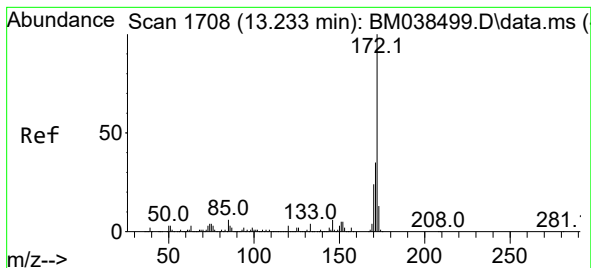
Tgt Ion:196 Resp: 8047
Ion Ratio Lower Upper
196 100
198 93.3 77.9 116.9
200 32.5 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 2.930 ng
RT: 13.116 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:196 Resp: 9060
Ion Ratio Lower Upper
196 100
198 102.0 76.0 114.0
97 49.1 36.9 55.3
132 24.4 17.4 26.2





#45

2-Fluorobiphenyl

Concen: 74.991 ng

RT: 13.227 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

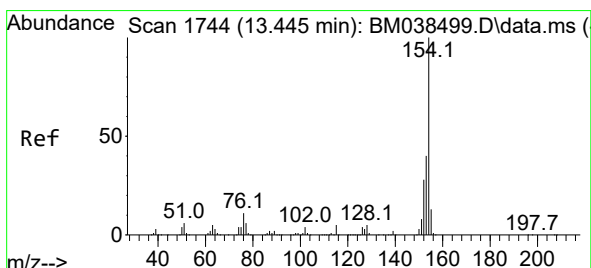
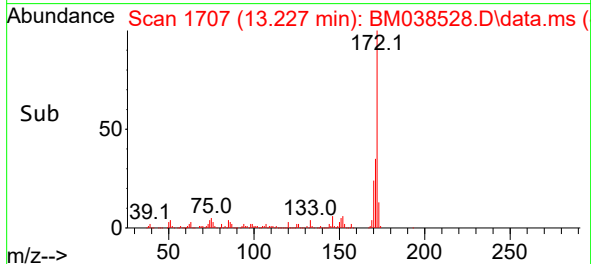
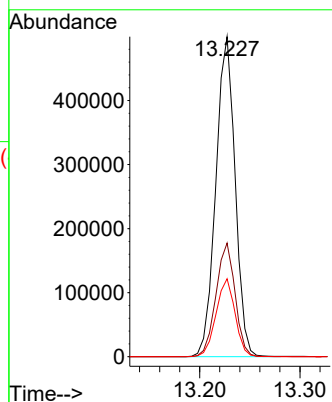
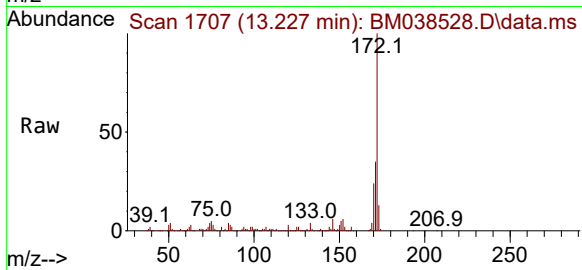
Tgt Ion:172 Resp: 667391

Ion Ratio Lower Upper

172 100

171 35.5 28.0 42.0

170 24.4 19.5 29.3



#46

1,1'-Biphenyl

Concen: 3.346 ng

RT: 13.439 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

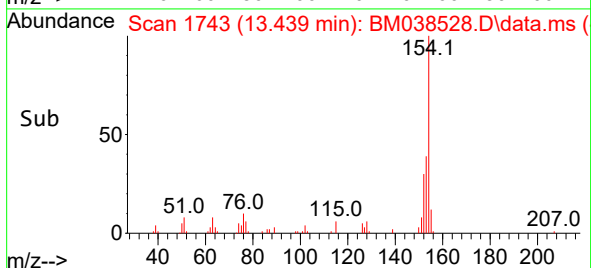
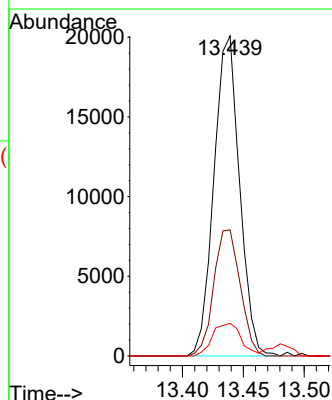
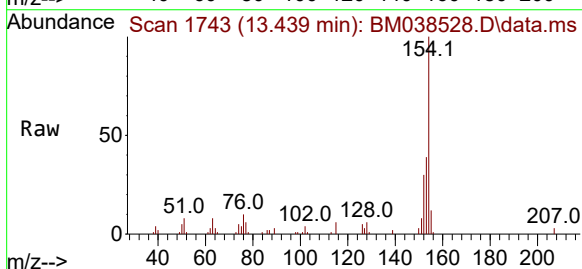
Tgt Ion:154 Resp: 29381

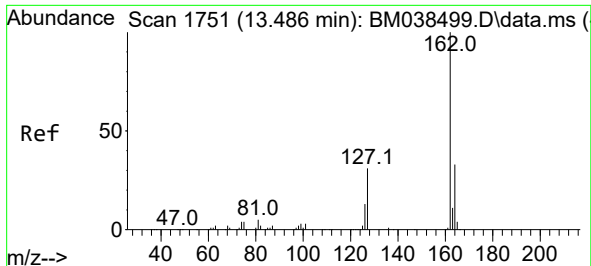
Ion Ratio Lower Upper

154 100

153 39.4 20.1 60.1

76 10.2 0.0 31.3

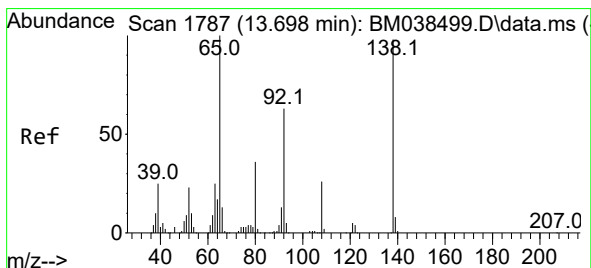
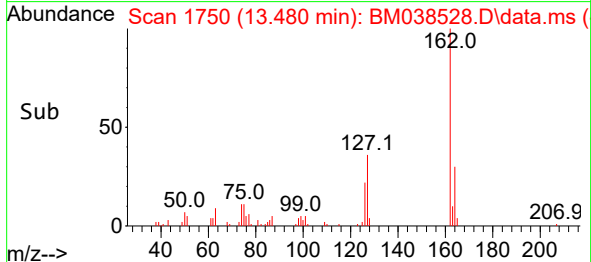
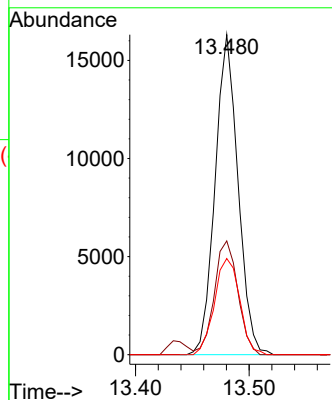
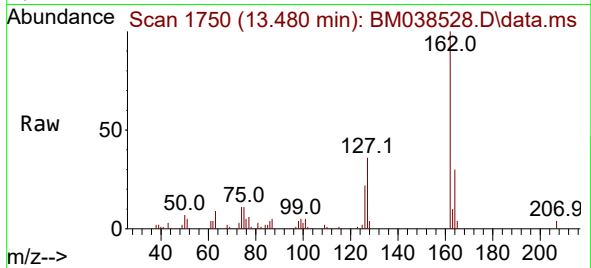




#47
2-Chloronaphthalene
Concen: 3.331 ng
RT: 13.480 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

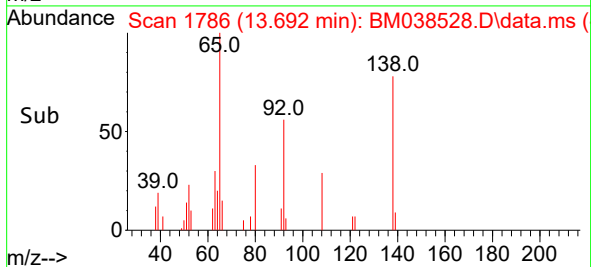
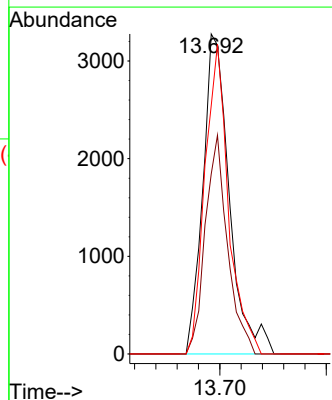
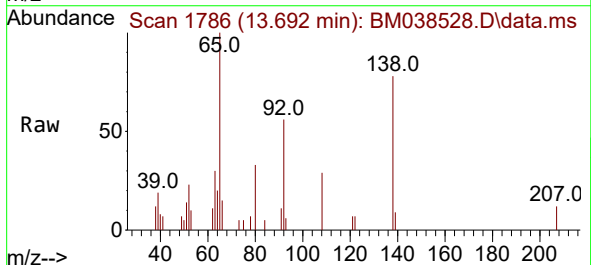
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

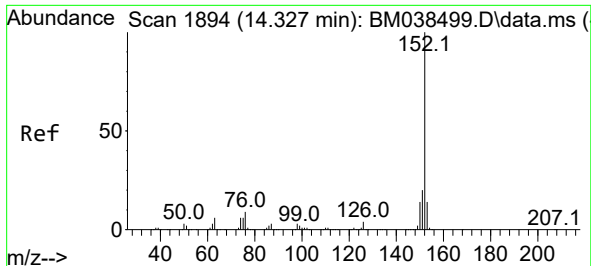
Tgt Ion:162 Resp: 22827
Ion Ratio Lower Upper
162 100
127 35.6 27.4 41.2
164 30.1 26.7 40.1



#48
2-Nitroaniline
Concen: 2.813 ng
RT: 13.692 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 65 Resp: 5661
Ion Ratio Lower Upper
65 100
92 56.2 50.0 75.0
138 77.6 78.2 117.2#

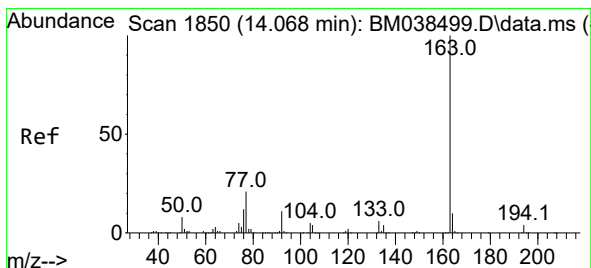
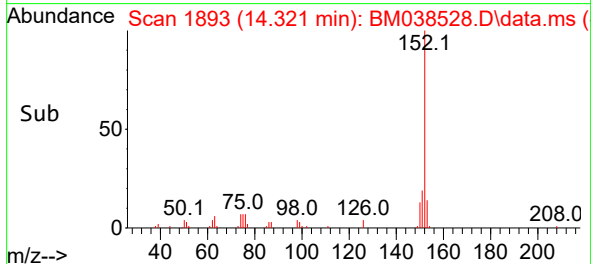
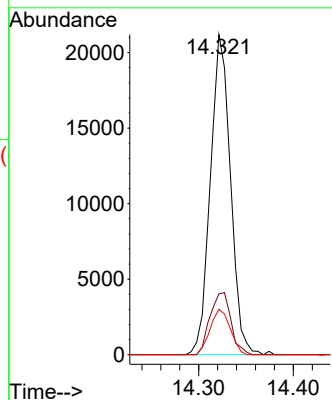
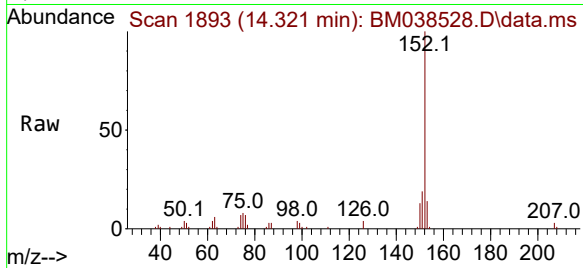




#49
Acenaphthylene
Concen: 2.928 ng
RT: 14.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

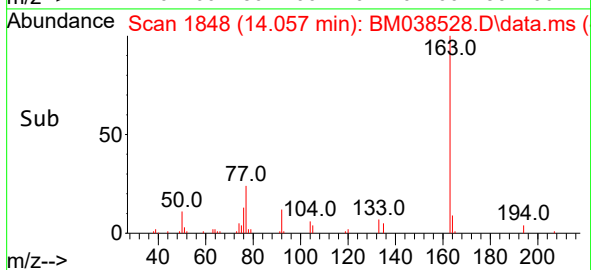
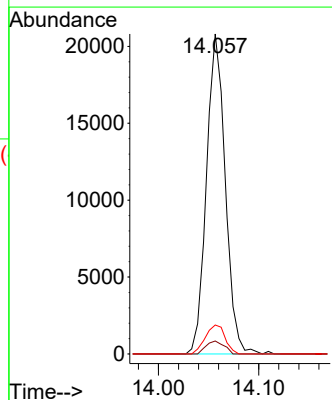
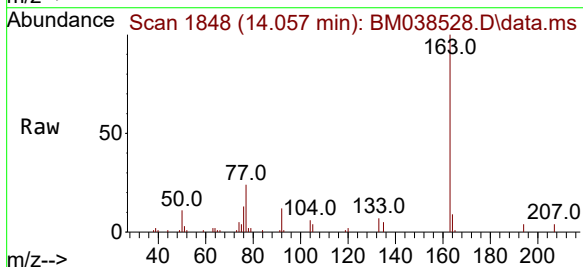
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

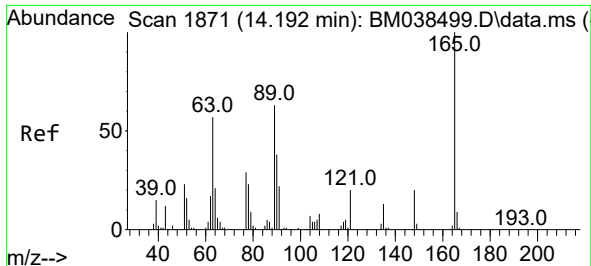
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.0	24.0
153	14.2	10.8	16.2



#50
Dimethylphthalate
Concen: 3.220 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.0	8.0	12.0





#51

2,6-Dinitrotoluene

Concen: 2.656 ng

RT: 14.186 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

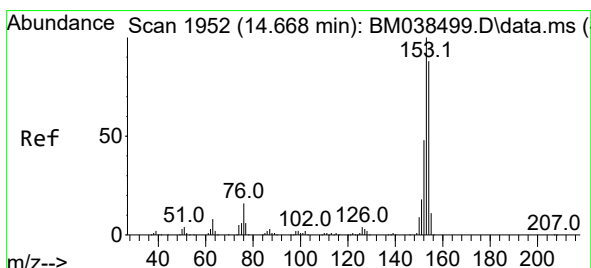
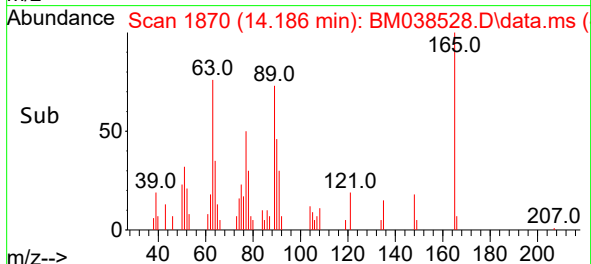
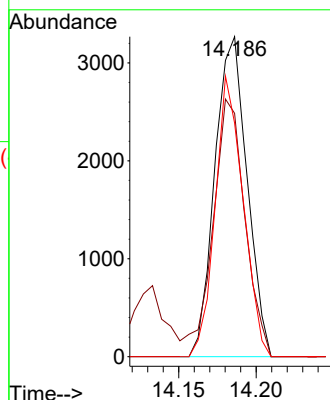
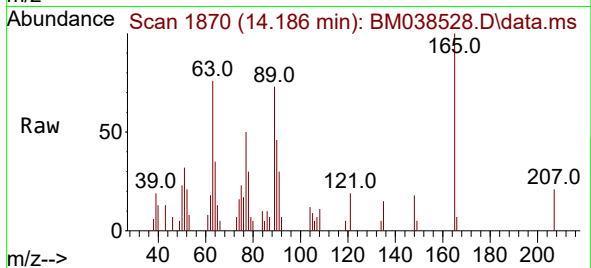
Tgt Ion:165 Resp: 4717

Ion Ratio Lower Upper

165 100

63 76.0 51.0 76.4

89 73.0 50.2 75.4



#52

Acenaphthene

Concen: 3.176 ng

RT: 14.663 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

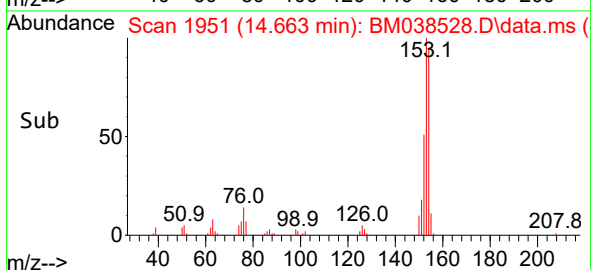
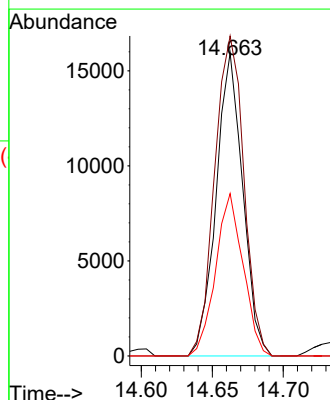
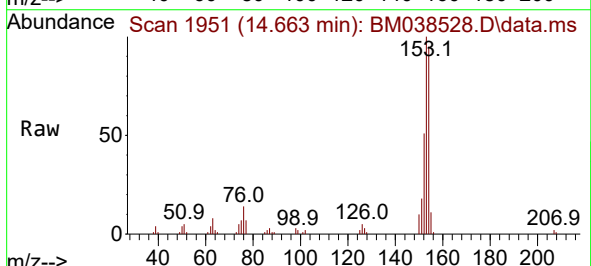
Tgt Ion:154 Resp: 20768

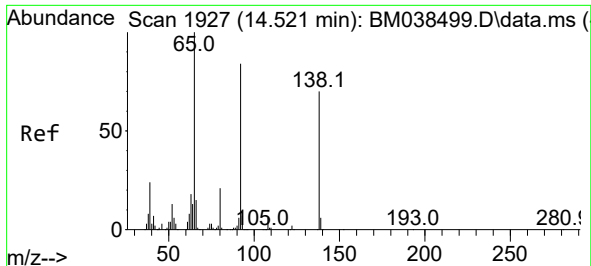
Ion Ratio Lower Upper

154 100

153 105.6 90.7 136.1

152 53.6 43.8 65.8

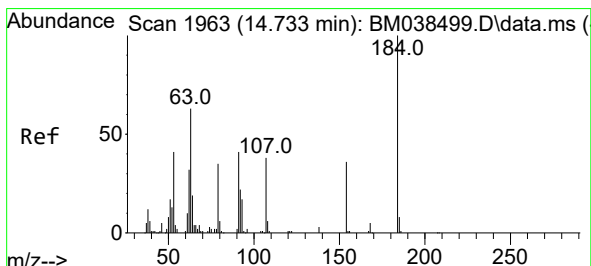
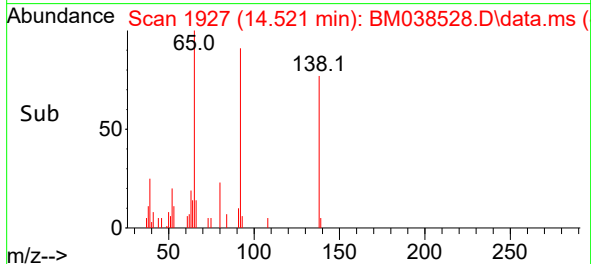
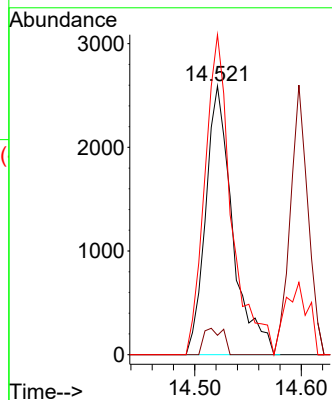
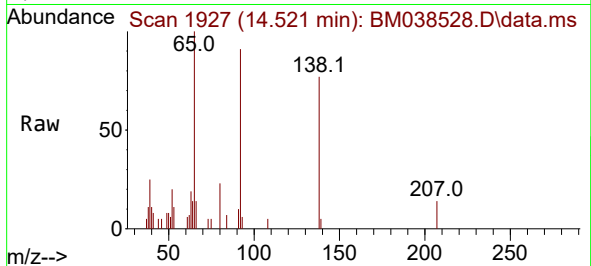




#53
3-Nitroaniline
Concen: 2.580 ng
RT: 14.521 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

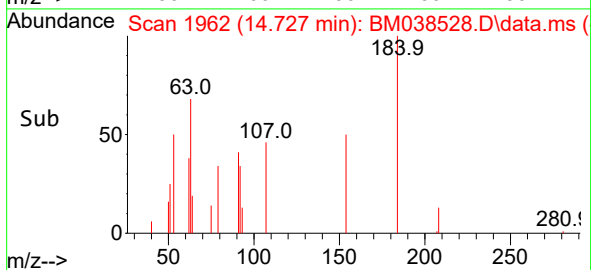
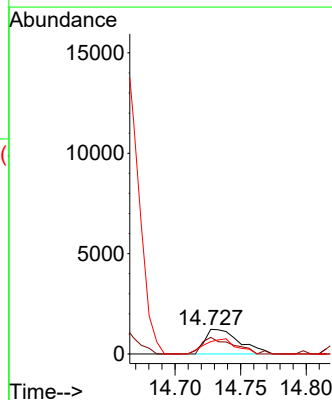
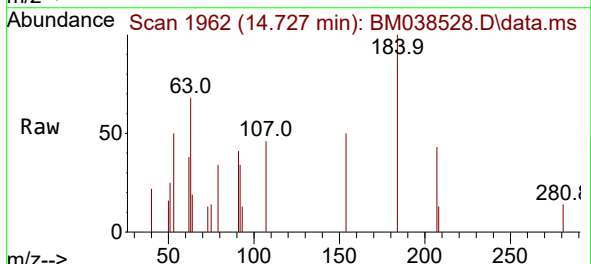
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

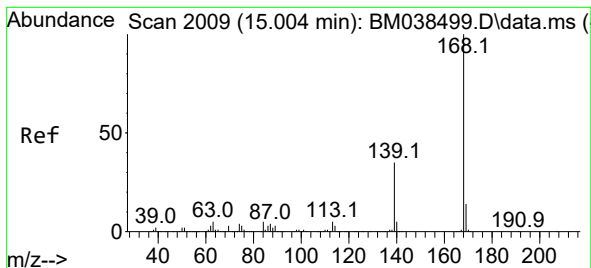
Tgt Ion:138 Resp: 4553
Ion Ratio Lower Upper
138 100
108 7.2 7.0 10.4
92 119.1 95.7 143.5



#54
2,4-Dinitrophenol
Concen: 6.411 ng
RT: 14.727 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:184 Resp: 2283
Ion Ratio Lower Upper
184 100
63 67.5 52.2 78.4
154 49.8 48.9 73.3





#55

Dibenzenofuran

Concen: 3.241 ng

RT: 14.998 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

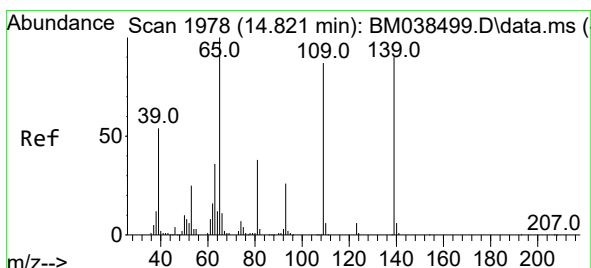
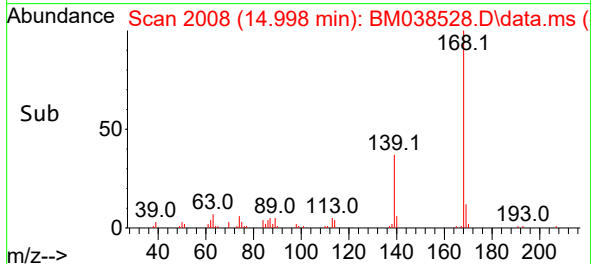
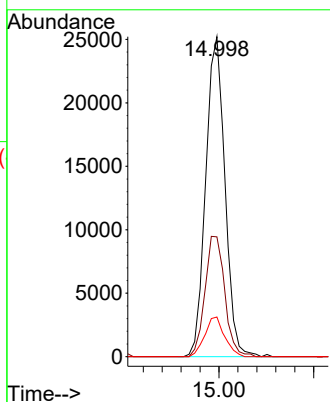
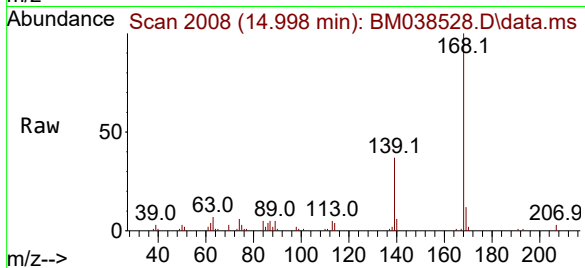
Tgt Ion:168 Resp: 35431

Ion Ratio Lower Upper

168 100

139 37.4 27.9 41.9

169 12.4 11.0 16.6



#56

4-Nitrophenol

Concen: 2.066 ng

RT: 14.833 min Scan# 1980

Delta R.T. 0.012 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

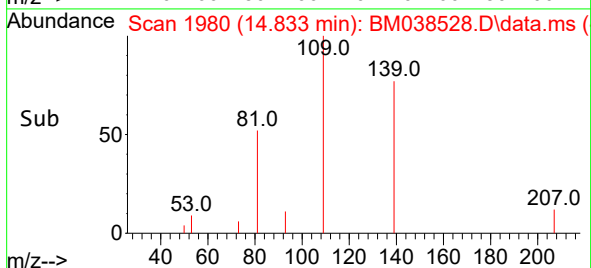
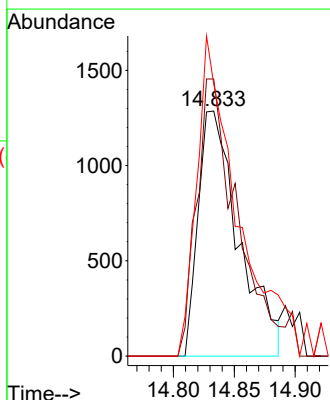
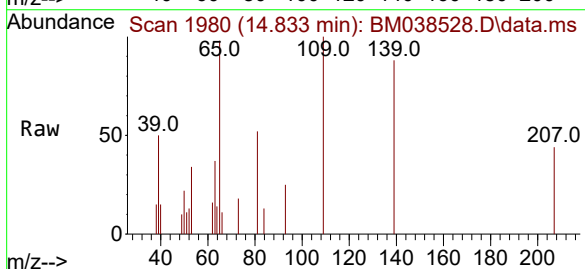
Tgt Ion:139 Resp: 3002

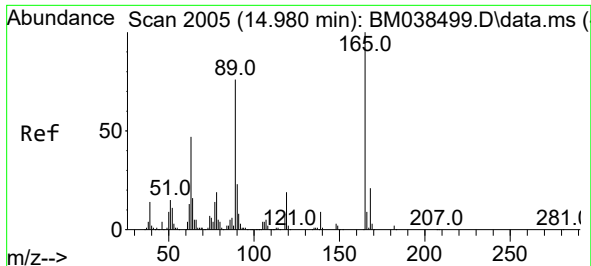
Ion Ratio Lower Upper

139 100

109 113.1 76.8 116.8

65 111.0 91.7 131.7

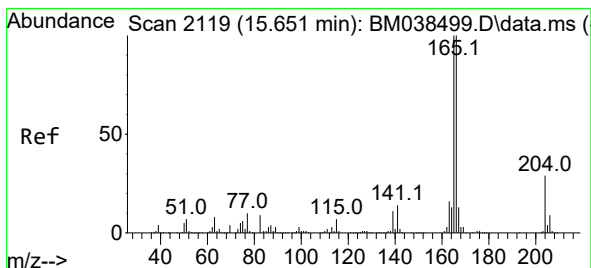
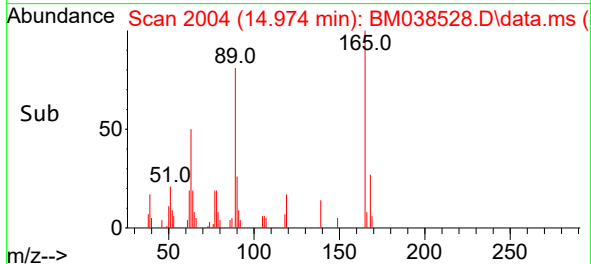
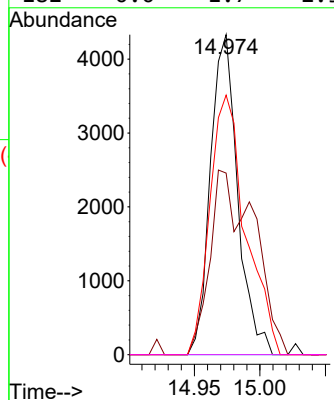
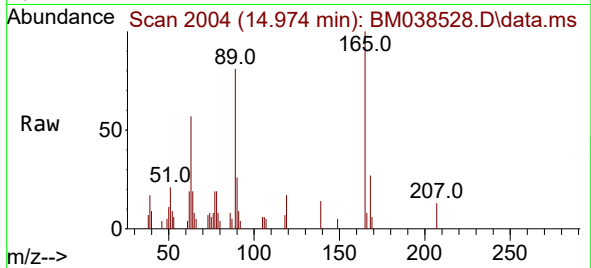




#57
2,4-Dinitrotoluene
Concen: 2.598 ng
RT: 14.974 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

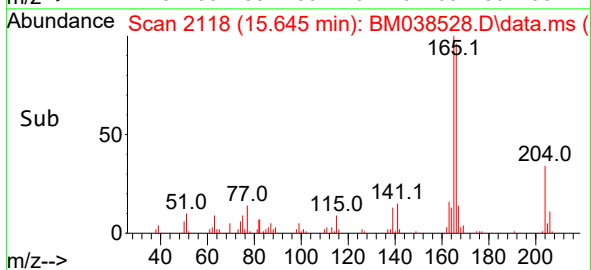
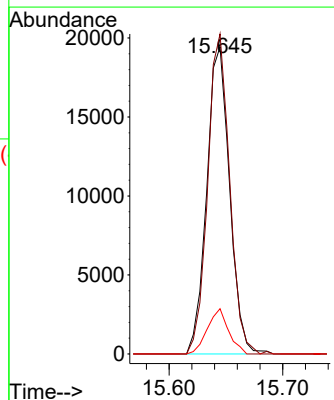
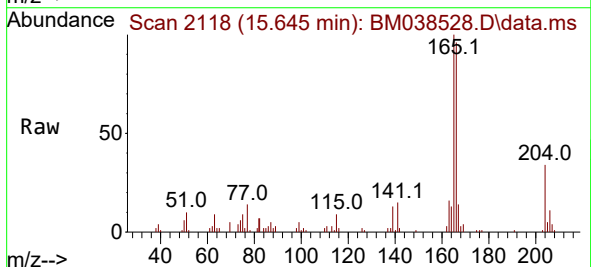
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

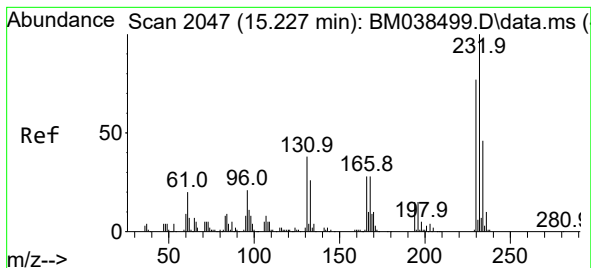
Tgt Ion:165 Resp: 6254
Ion Ratio Lower Upper
165 100
63 56.8 37.8 56.8
89 81.1 60.9 91.3
182 0.0 1.7 2.5#



#58
Fluorene
Concen: 3.064 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:166 Resp: 27169
Ion Ratio Lower Upper
166 100
165 104.2 79.6 119.4
167 14.7 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.008 ng

RT: 15.221 min Scan# 2046

Delta R.T. -0.006 min

Lab File: BM038528.D

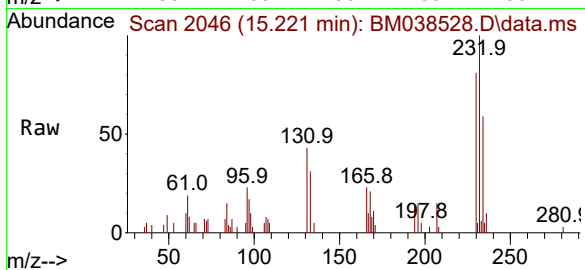
Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:232 Resp: 7601

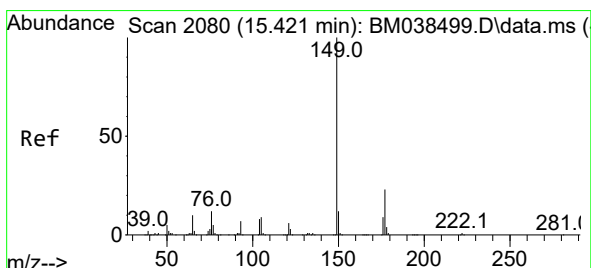
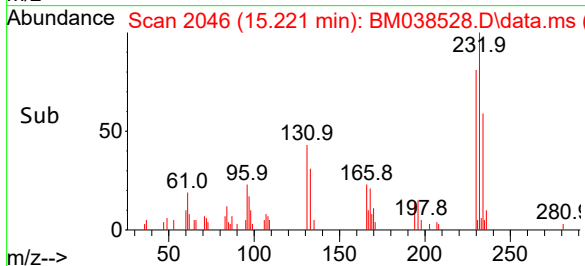
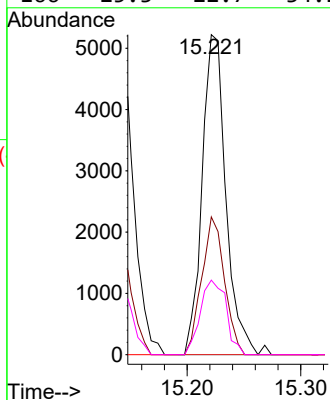
Ion Ratio Lower Upper

232 100

131 41.2 31.0 46.4

130 0.0 1.8 2.6#

166 25.3 22.7 34.1



#60

Diethylphthalate

Concen: 3.138 ng

RT: 15.410 min Scan# 2078

Delta R.T. -0.012 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

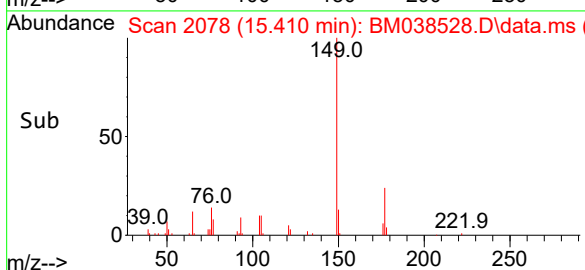
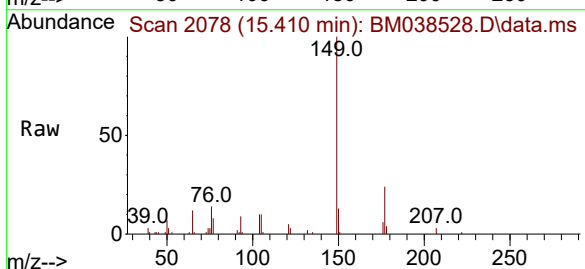
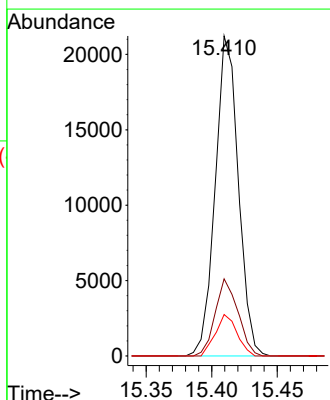
Tgt Ion:149 Resp: 25936

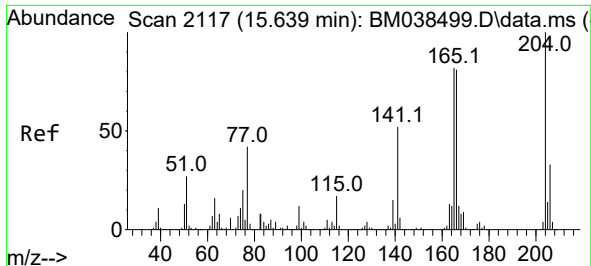
Ion Ratio Lower Upper

149 100

177 24.1 18.6 27.8

150 12.9 9.5 14.3

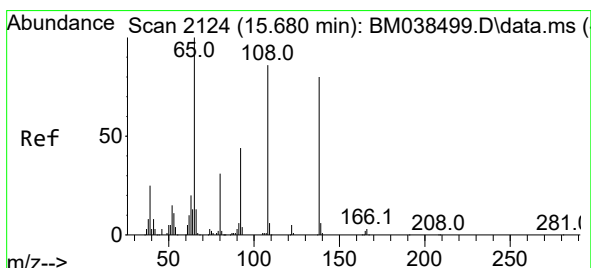
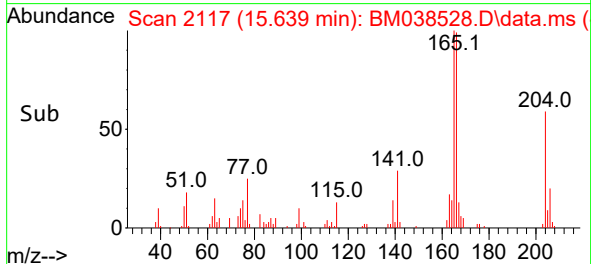
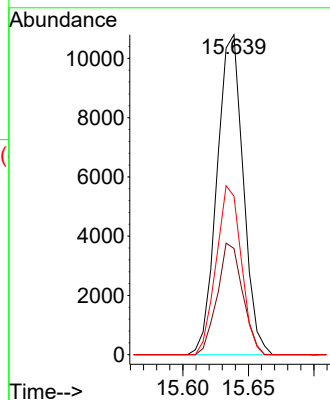
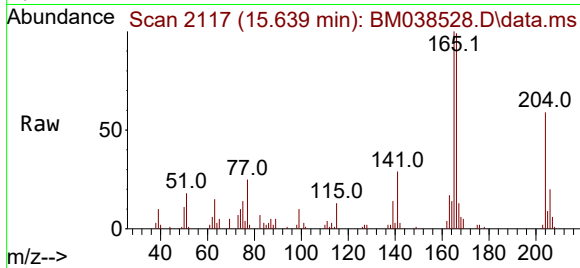




#61
4-Chlorophenyl-phenylether
Concen: 3.227 ng
RT: 15.639 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

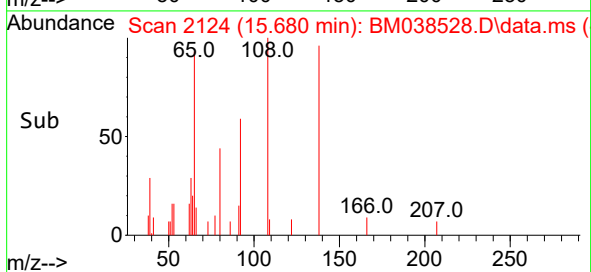
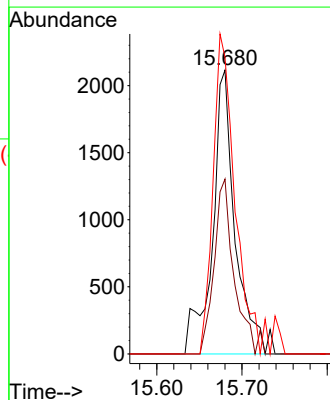
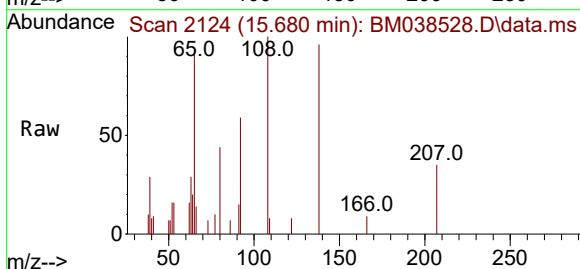
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

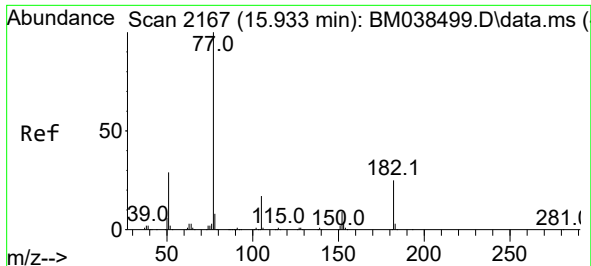
Tgt Ion:204 Resp: 15021
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.4
141 49.6 41.5 62.3



#62
4-Nitroaniline
Concen: 5.201 ng
RT: 15.680 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:138 Resp: 3930
Ion Ratio Lower Upper
138 100
92 61.6 35.2 75.2
108 104.4 87.3 127.3

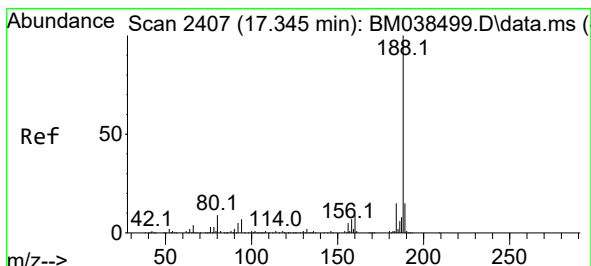
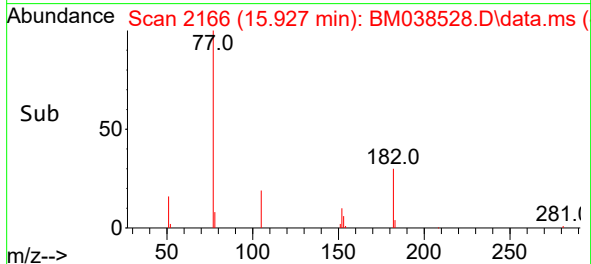
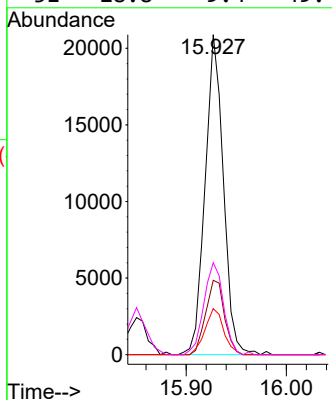
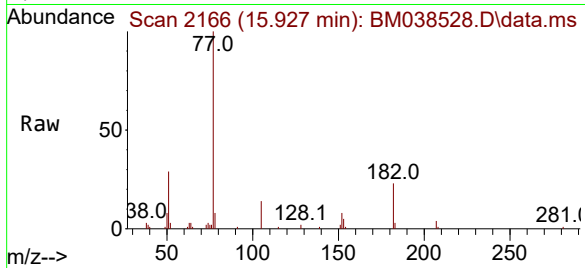




#63
Azobenzene
Concen: 3.033 ng
RT: 15.927 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

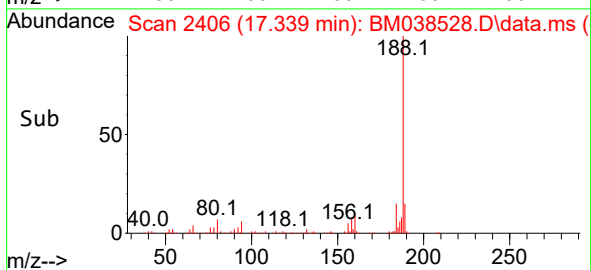
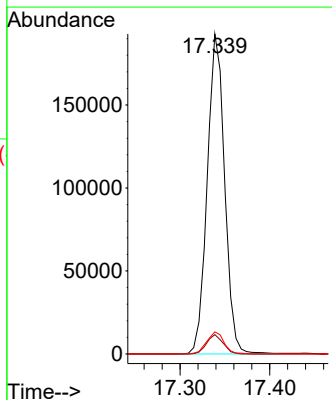
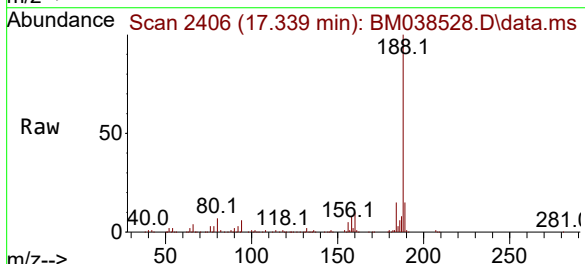
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

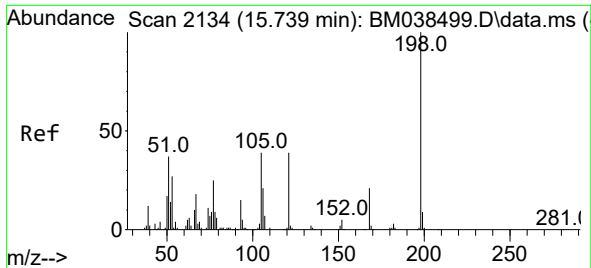
Tgt Ion: 77	Resp: 26555
Ion Ratio	Lower Upper
77 100	
182 23.3	4.7 44.7
105 14.4	0.0 36.7
51 28.8	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion: 188	Resp: 259940
Ion Ratio	Lower Upper
188 100	
94 6.0	6.0 9.0
80 6.9	6.9 10.3

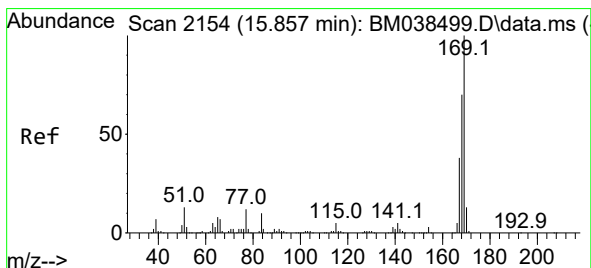
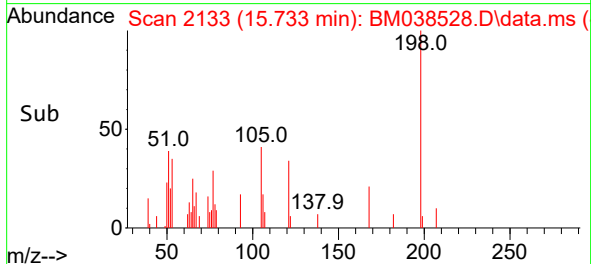
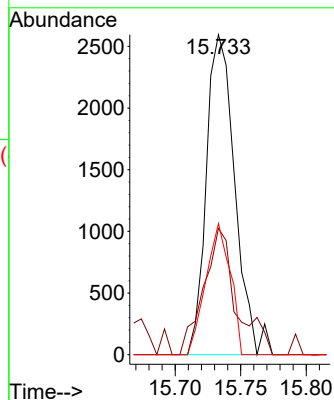
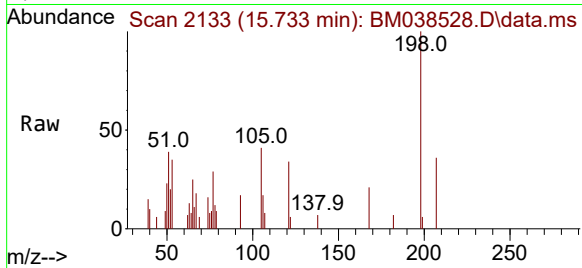




#65
4,6-Dinitro-2-methylphenol
Concen: 2.333 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

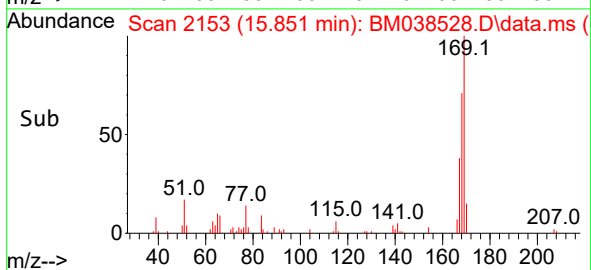
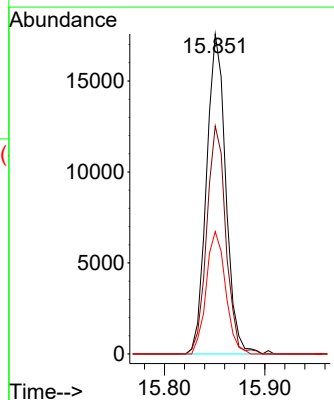
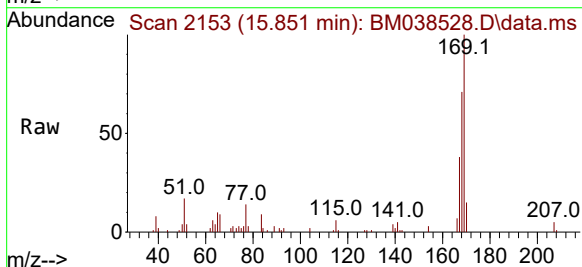
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

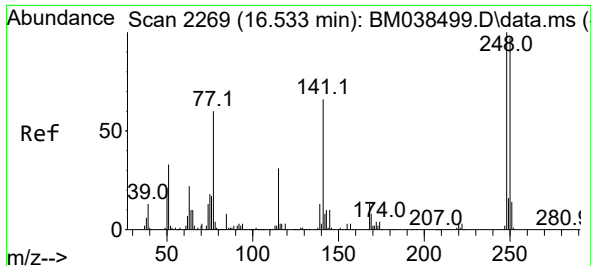
Tgt Ion:198	Resp:	3937
Ion Ratio	Lower	Upper
198	100	
51	39.5	18.8 58.8
105	41.0	19.7 59.7



#66
n-Nitrosodiphenylamine
Concen: 3.020 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:169	Resp:	23565
Ion Ratio	Lower	Upper
169	100	
168	71.2	55.8 83.8
167	38.2	30.3 45.5

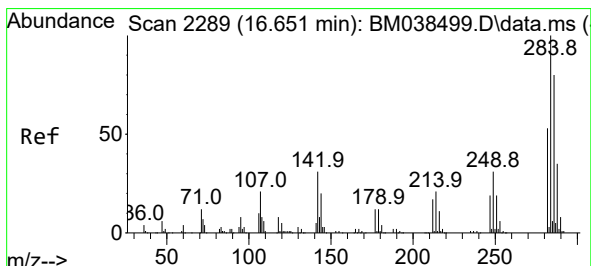
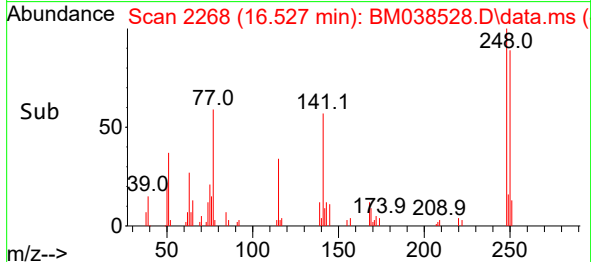
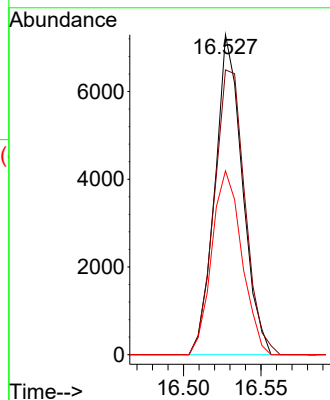
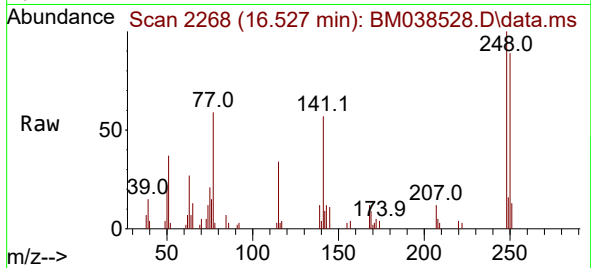




#67
4-Bromophenyl-phenylether
Concen: 3.117 ng
RT: 16.527 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

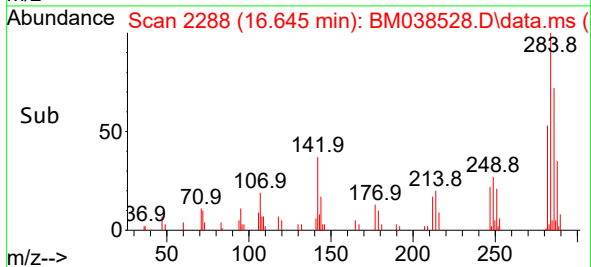
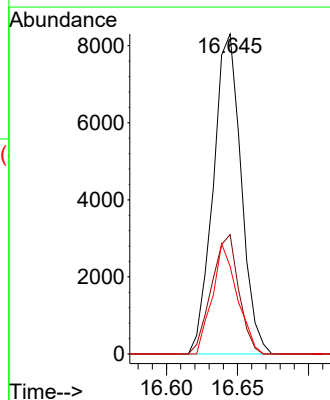
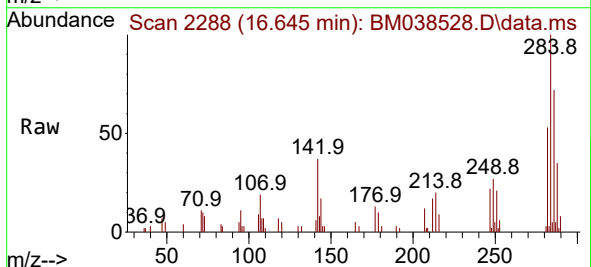
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

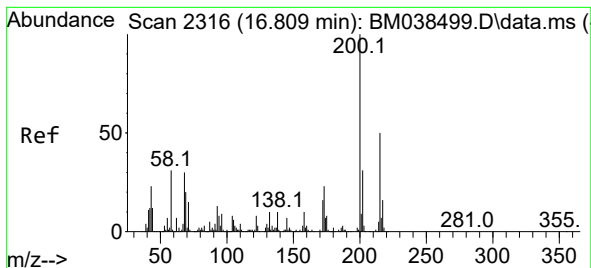
Tgt Ion:248 Resp: 8988
Ion Ratio Lower Upper
248 100
250 89.0 77.6 116.4
141 57.4 52.5 78.7



#68
Hexachlorobenzene
Concen: 3.644 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:284 Resp: 11339
Ion Ratio Lower Upper
284 100
142 37.3 25.2 37.8
249 27.3 24.4 36.6





#69

Atrazine

Concen: 3.124 ng

RT: 16.798 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

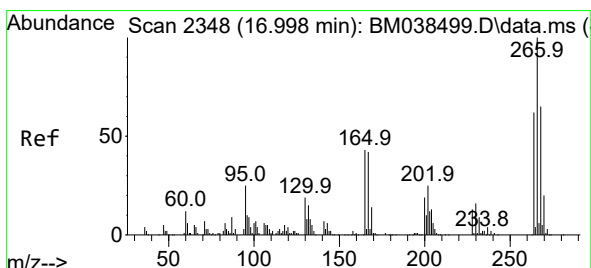
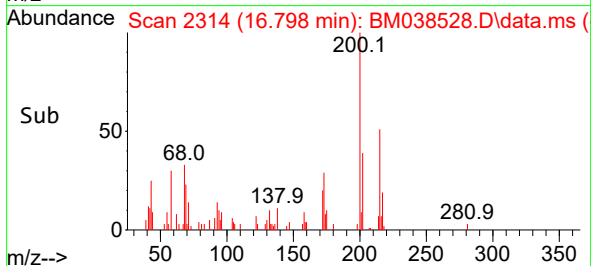
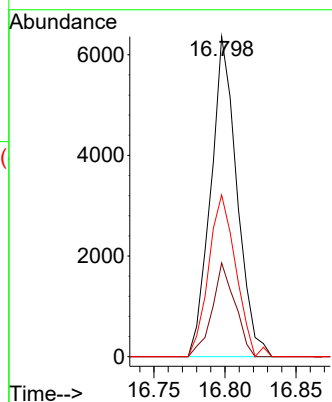
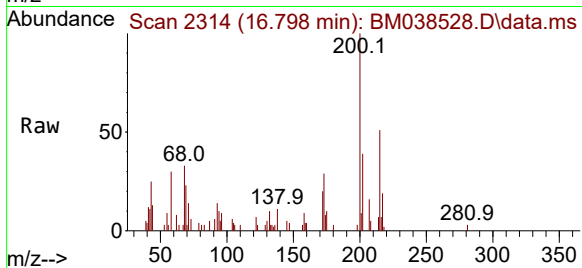
Tgt Ion:200 Resp: 8132

Ion Ratio Lower Upper

200 100

173 29.3 3.5 43.5

215 50.5 30.0 70.0



#70

Pentachlorophenol

Concen: 2.439 ng

RT: 16.992 min Scan# 2347

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

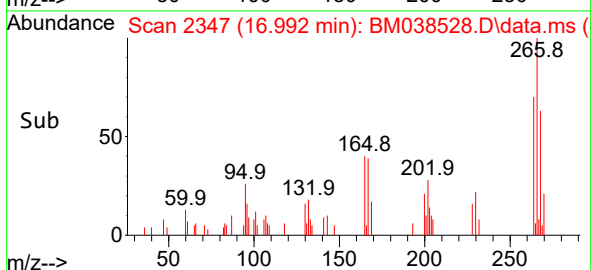
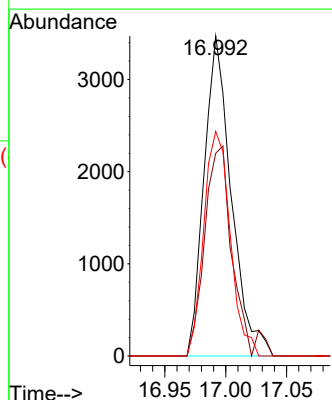
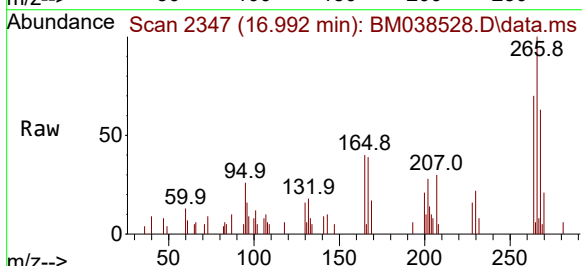
Tgt Ion:266 Resp: 5404

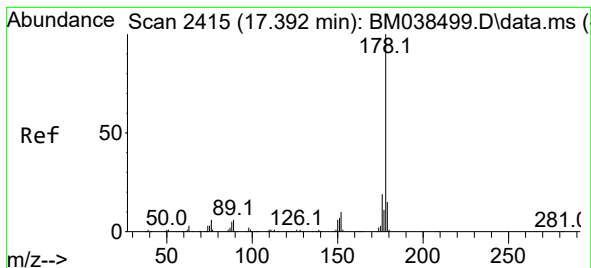
Ion Ratio Lower Upper

266 100

268 63.3 51.7 77.5

264 70.2 49.4 74.0





#71

Phenanthrene

Concen: 3.241 ng

RT: 17.380 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

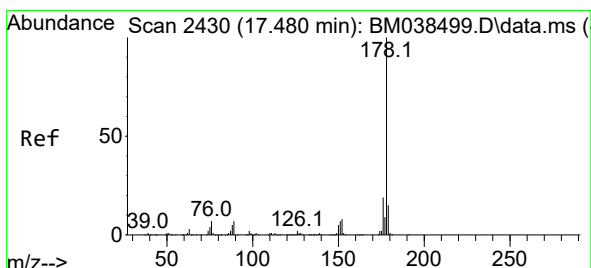
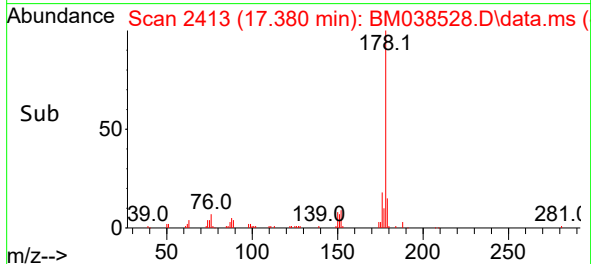
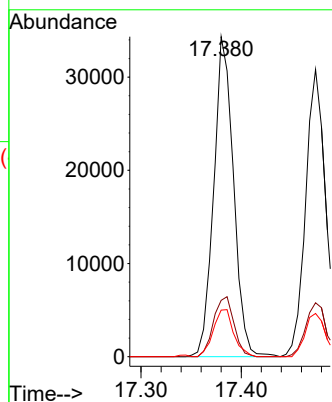
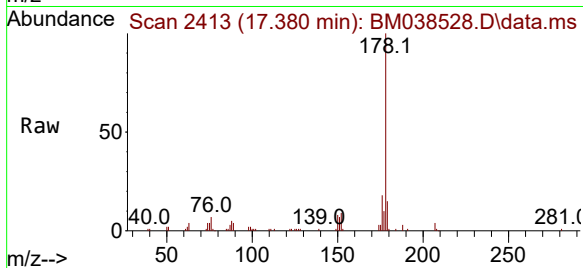
Tgt Ion:178 Resp: 47043

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

179 14.6 12.2 18.4



#72

Anthracene

Concen: 3.014 ng

RT: 17.474 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

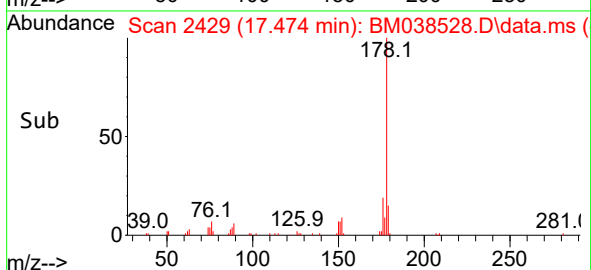
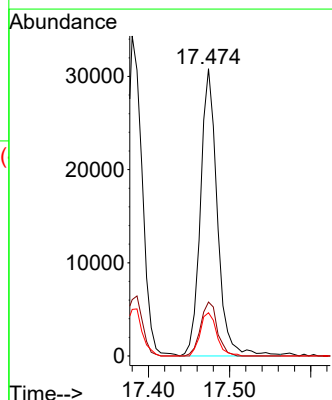
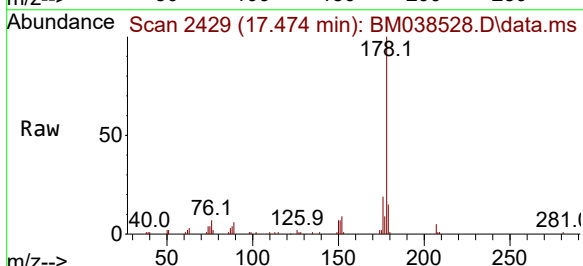
Tgt Ion:178 Resp: 44524

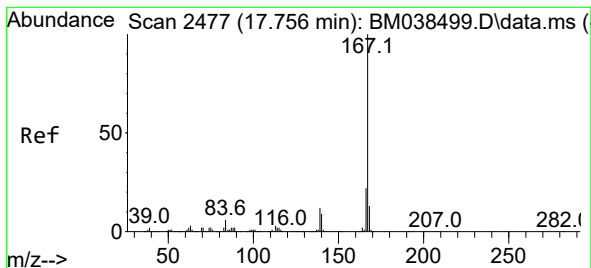
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.0 12.2 18.4





#73

Carbazole

Concen: 2.868 ng

RT: 17.751 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

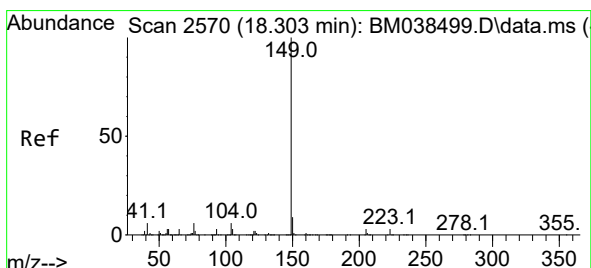
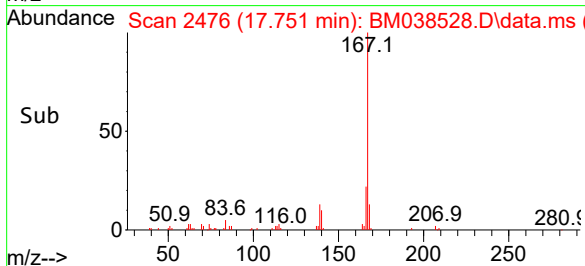
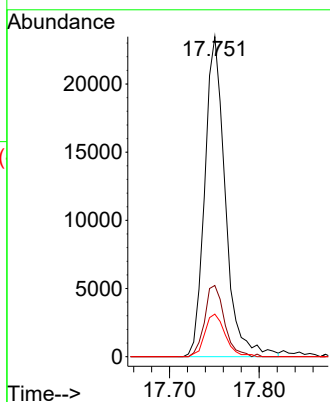
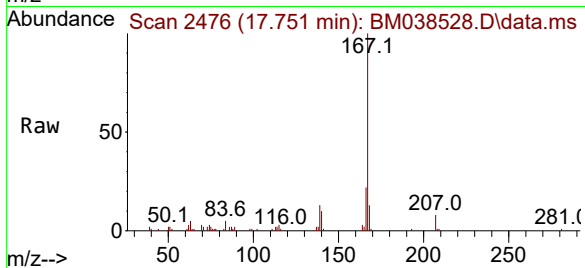
Tgt Ion:167 Resp: 37311

Ion Ratio Lower Upper

167 100

166 22.2 17.7 26.5

139 13.3 9.4 14.0



#74

Di-n-butylphthalate

Concen: 2.825 ng

RT: 18.298 min Scan# 2569

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

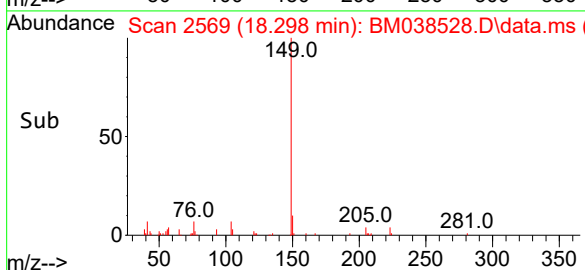
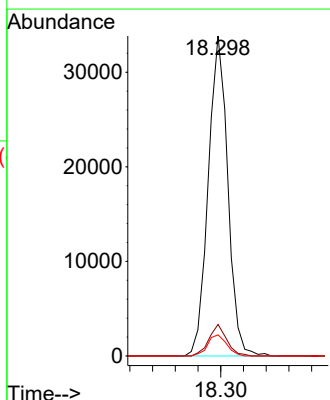
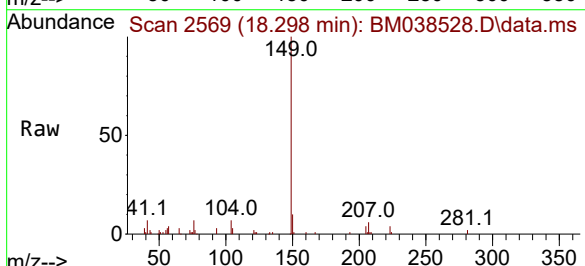
Tgt Ion:149 Resp: 40379

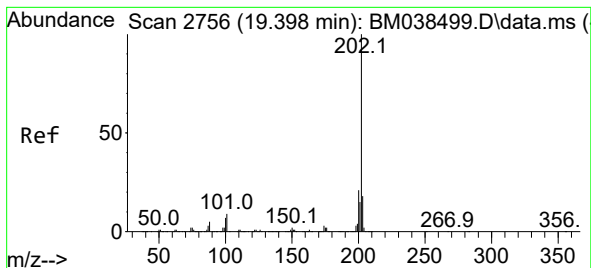
Ion Ratio Lower Upper

149 100

150 9.9 7.4 11.0

104 6.6 4.6 6.8





#75

Fluoranthene

Concen: 3.056 ng

RT: 19.392 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

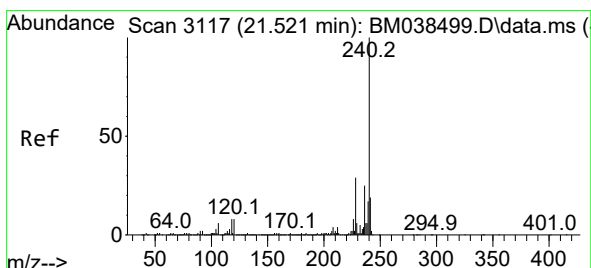
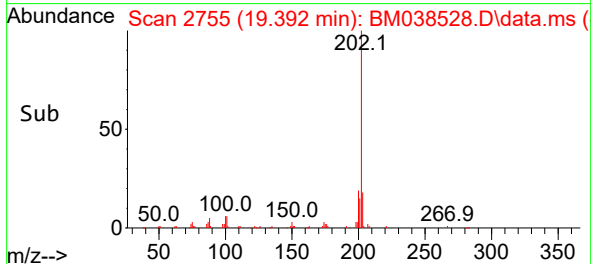
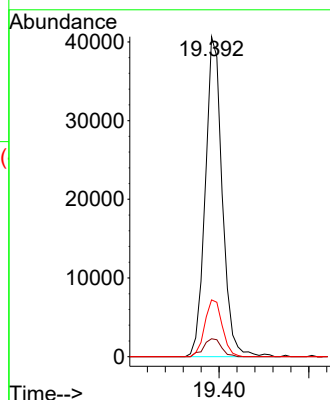
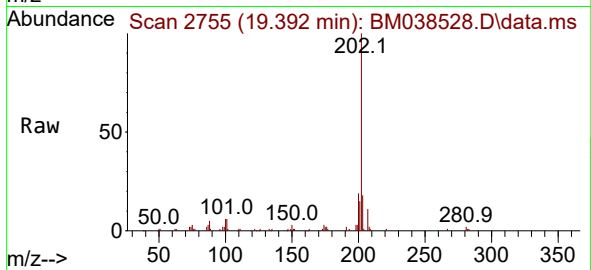
Tgt Ion:202 Resp: 53309

Ion Ratio Lower Upper

202 100

101 6.8 0.0 28.7

203 17.8 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: BM038528.D

Acq: 25 Jan 2023 12:13

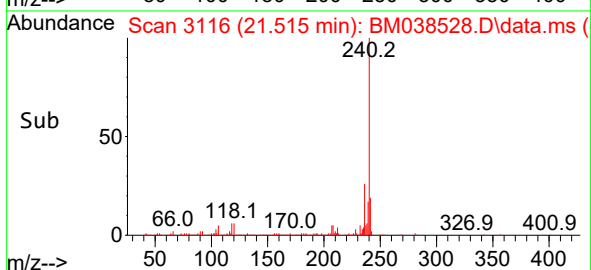
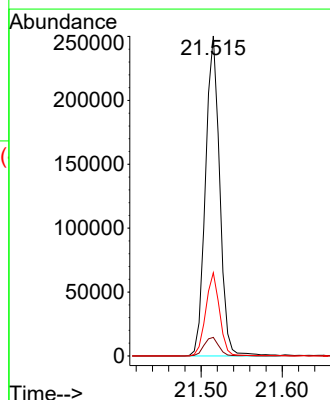
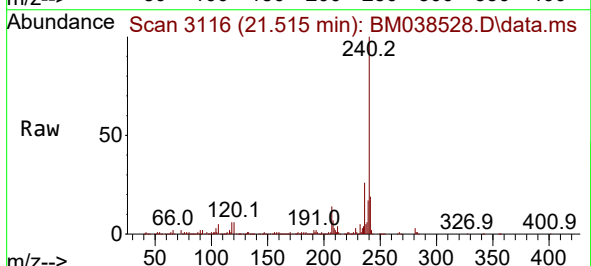
Tgt Ion:240 Resp: 304095

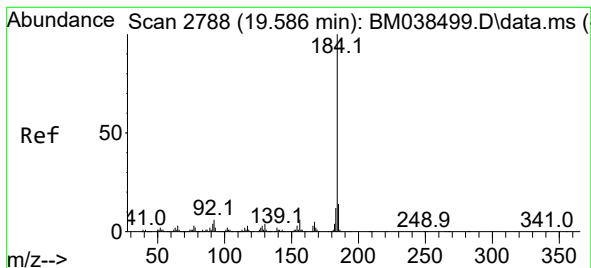
Ion Ratio Lower Upper

240 100

120 5.8 6.2 9.2#

236 26.0 20.2 30.2





#77

Benzidine

Concen: 3.077 ng

RT: 19.586 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

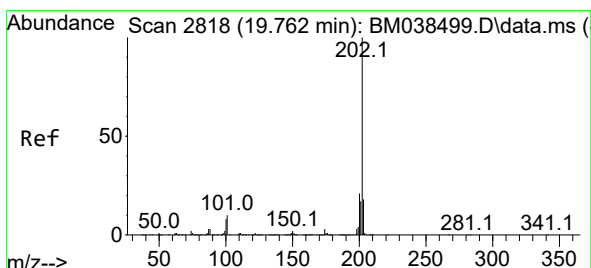
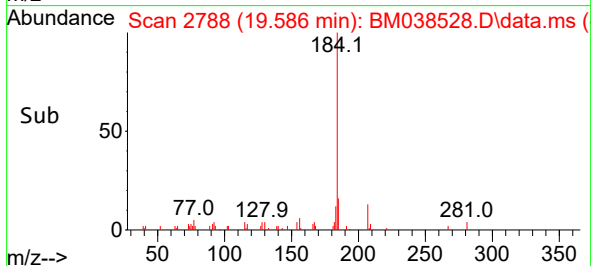
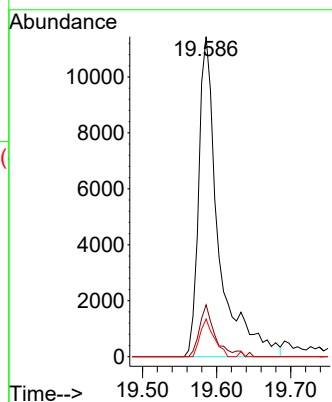
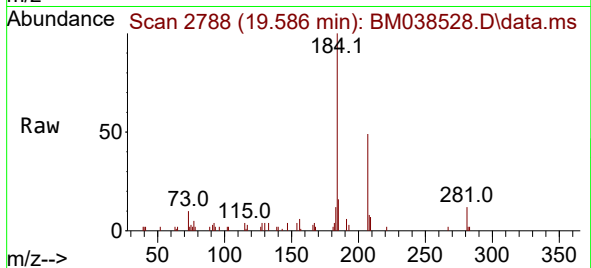
Tgt Ion:184 Resp: 21321

Ion Ratio Lower Upper

184 100

185 16.2 10.9 16.3

183 11.7 9.3 13.9



#78

Pyrene

Concen: 2.725 ng

RT: 19.756 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

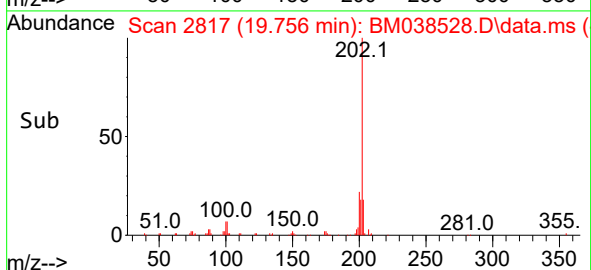
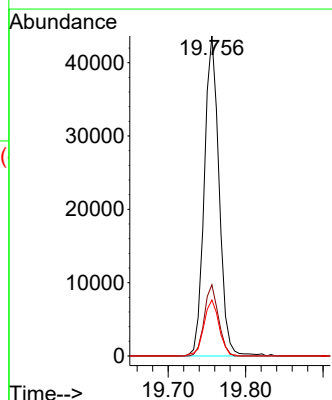
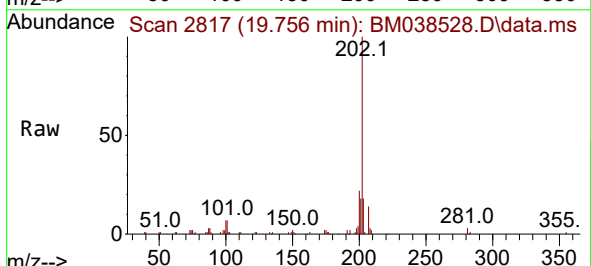
Tgt Ion:202 Resp: 57699

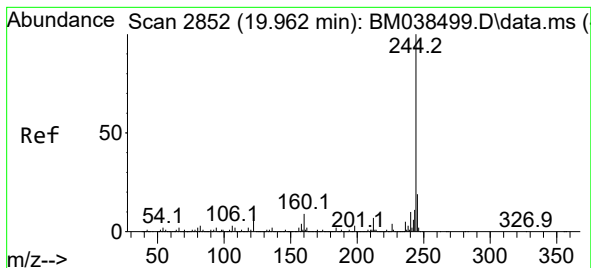
Ion Ratio Lower Upper

202 100

200 22.3 17.0 25.4

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 76.678 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

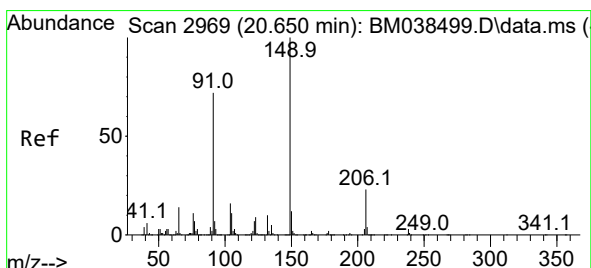
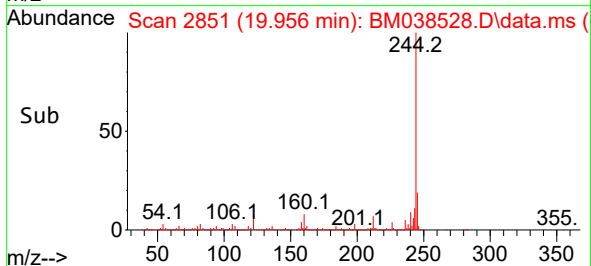
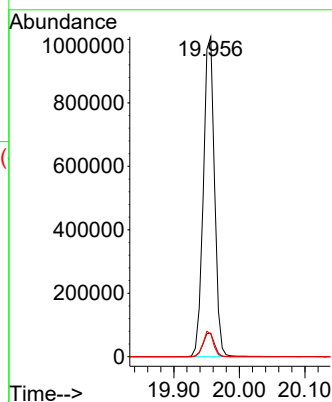
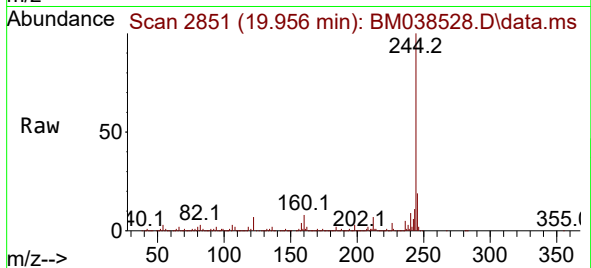
Tgt Ion:244 Resp: 1196056

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 7.1 6.7 10.1



#80

Butylbenzylphthalate

Concen: 2.547 ng

RT: 20.644 min Scan# 2968

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

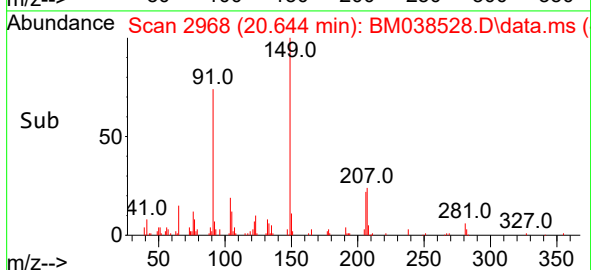
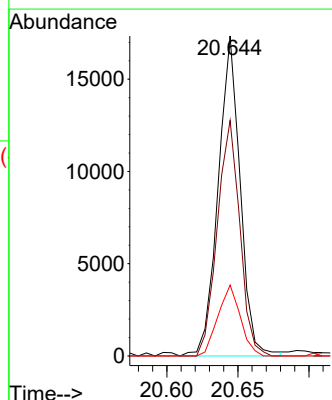
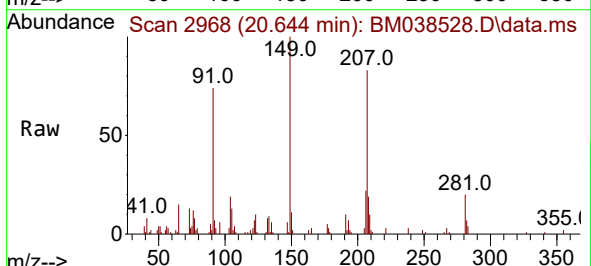
Tgt Ion:149 Resp: 18651

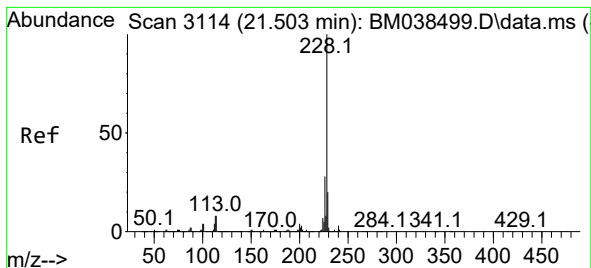
Ion Ratio Lower Upper

149 100

91 73.6 57.5 86.3

206 22.2 18.2 27.2





#81

Benzo(a)anthracene

Concen: 3.257 ng

RT: 21.497 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

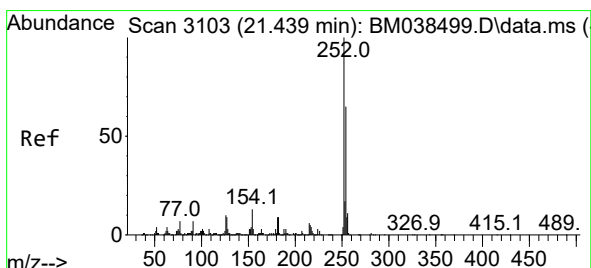
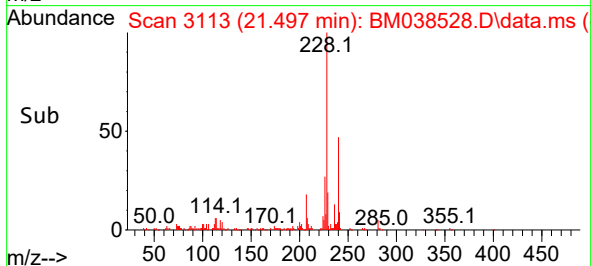
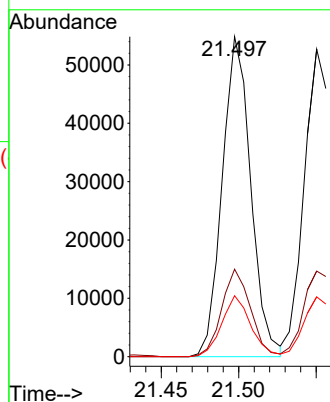
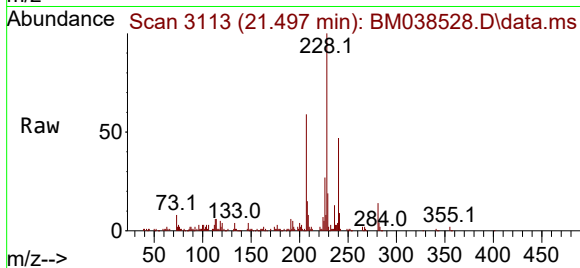
Tgt Ion:228 Resp: 70176

Ion Ratio Lower Upper

228 100

226 27.3 22.2 33.2

229 19.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 3.404 ng

RT: 21.433 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

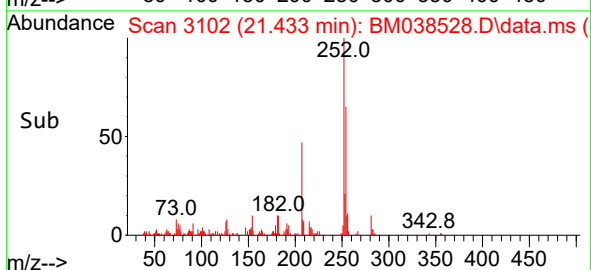
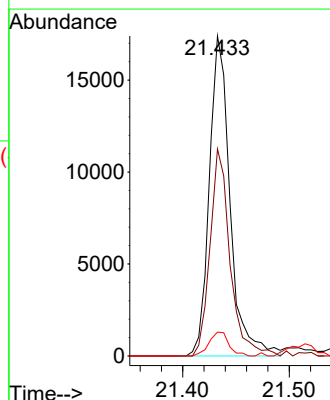
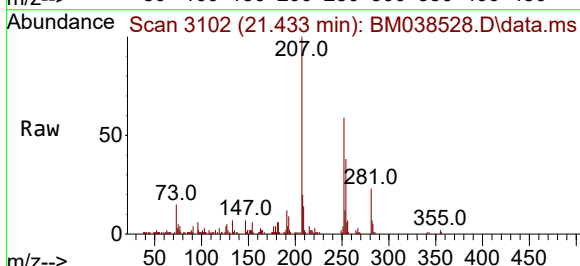
Tgt Ion:252 Resp: 23558

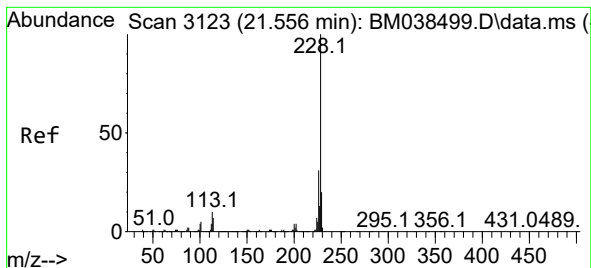
Ion Ratio Lower Upper

252 100

254 64.7 51.9 77.9

126 7.5 7.7 11.5#





#83

Chrysene

Concen: 3.267 ng

RT: 21.550 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

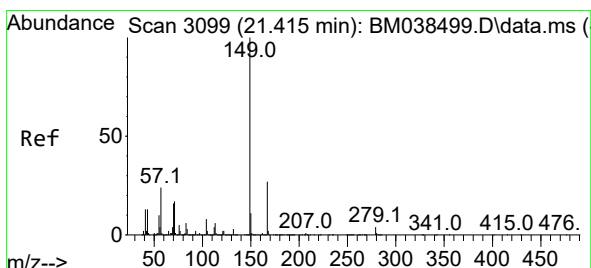
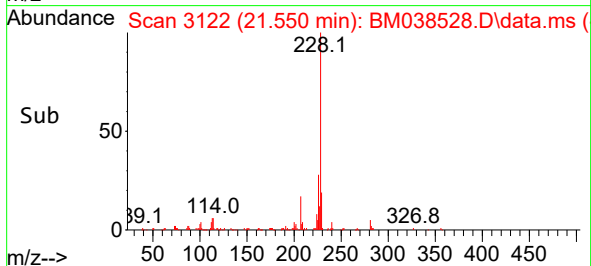
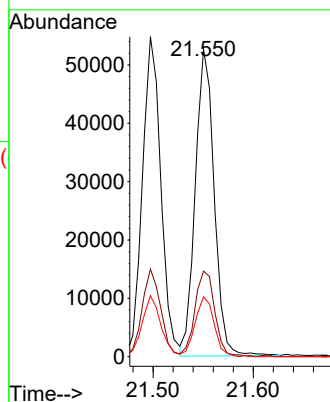
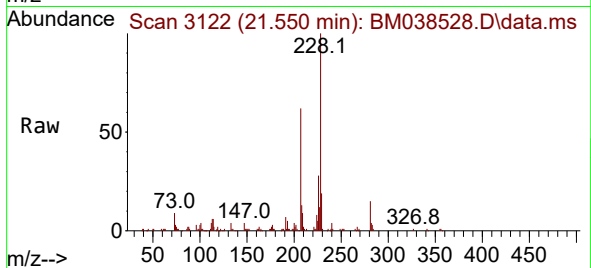
Tgt Ion:228 Resp: 68842

Ion Ratio Lower Upper

228 100

226 27.8 24.4 36.6

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.533 ng

RT: 21.409 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

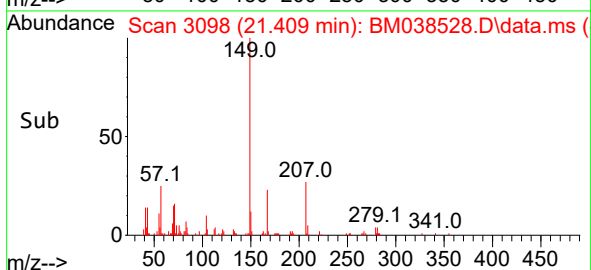
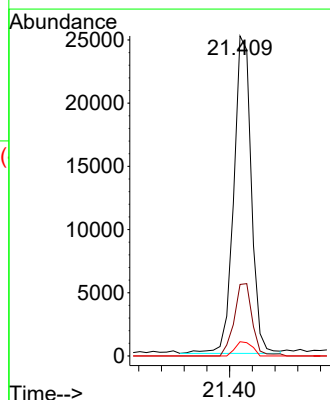
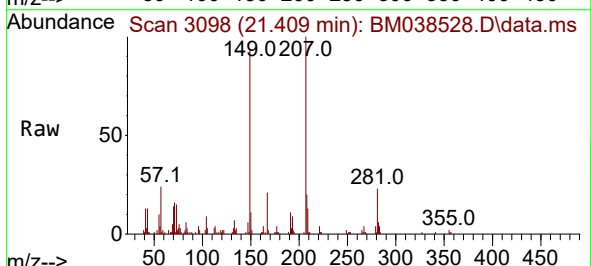
Tgt Ion:149 Resp: 26878

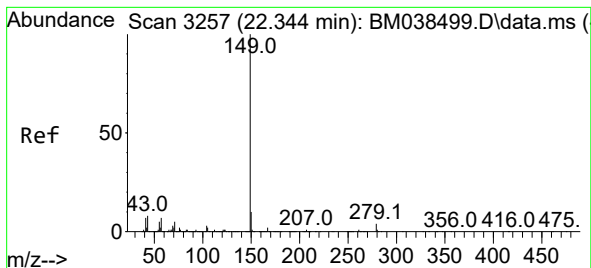
Ion Ratio Lower Upper

149 100

167 22.4 21.3 31.9

279 4.5 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 2.588 ng

RT: 22.338 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

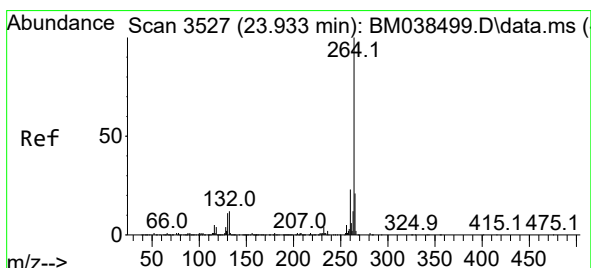
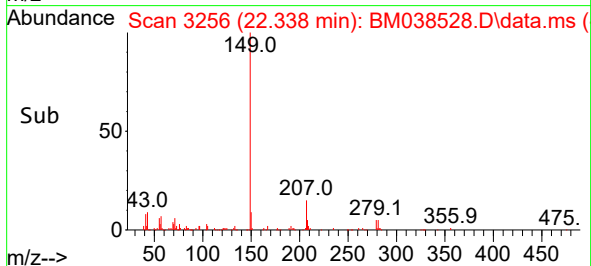
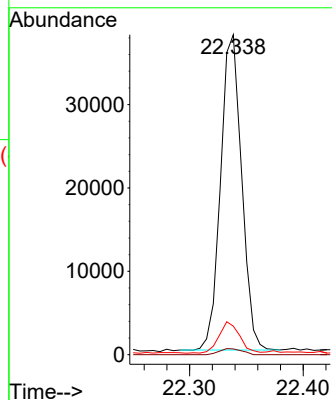
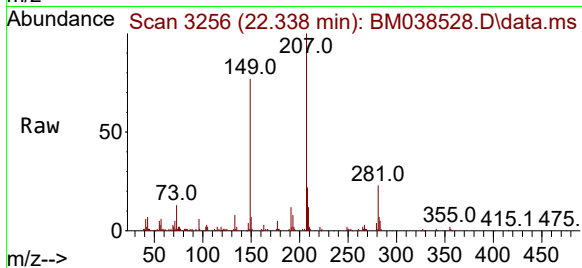
BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:149 Resp: 48824

Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.3	1.9#
43	9.9	6.7	10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

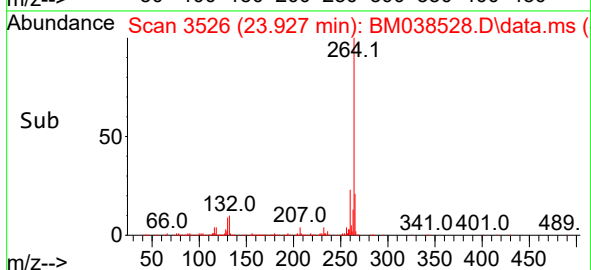
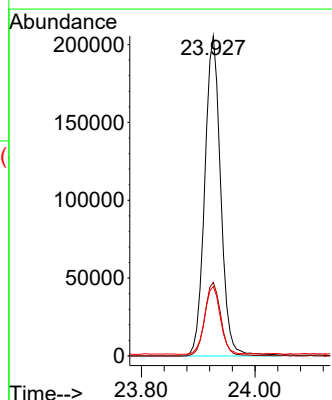
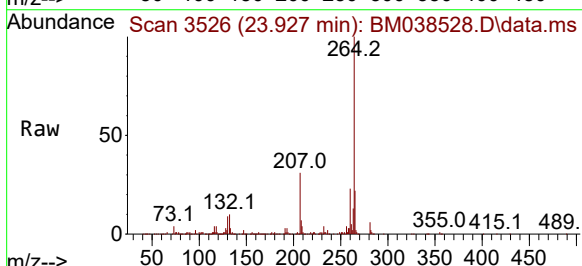
Delta R.T. -0.006 min

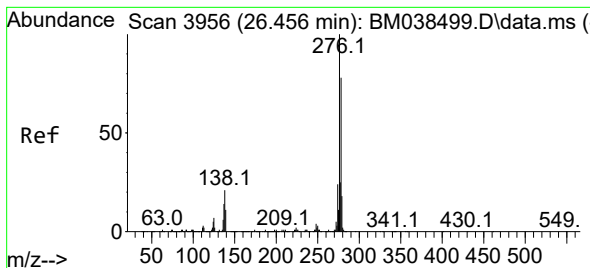
Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Tgt Ion:264 Resp: 400394

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.7	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.181 ng

RT: 26.432 min Scan# 3409

Delta R.T. -0.024 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

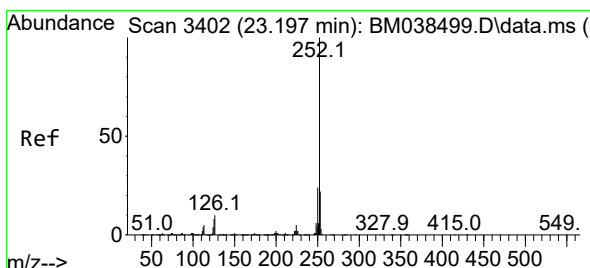
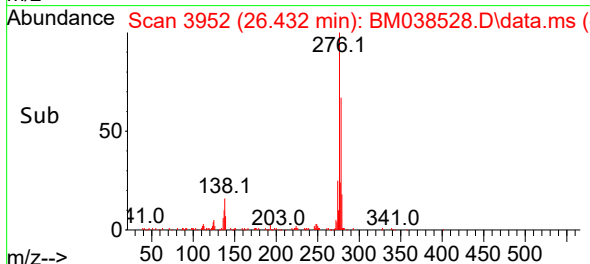
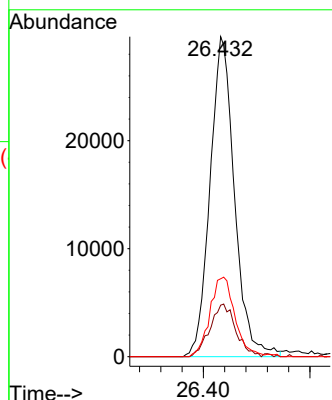
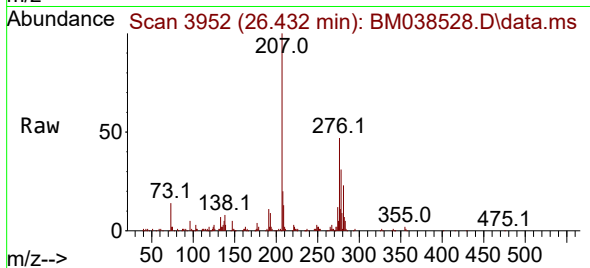
Tgt Ion:276 Resp: 94245

Ion Ratio Lower Upper

276 100

138 17.3 15.8 23.8

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 3.178 ng

RT: 23.238 min Scan# 3409

Delta R.T. 0.041 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

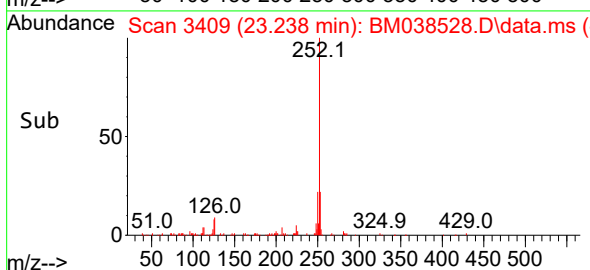
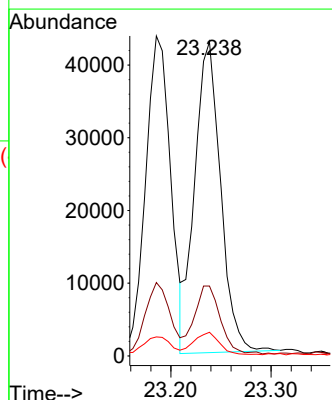
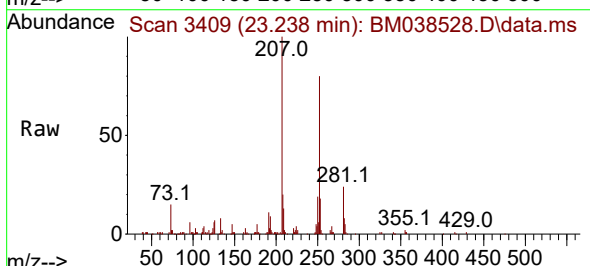
Tgt Ion:252 Resp: 76752

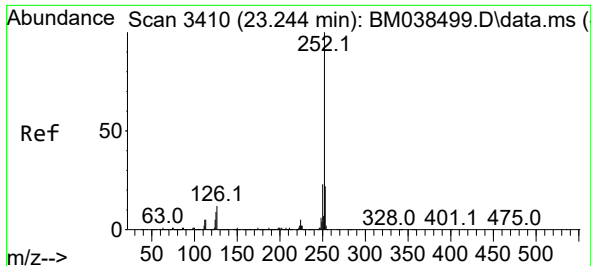
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 7.5 6.4 9.6

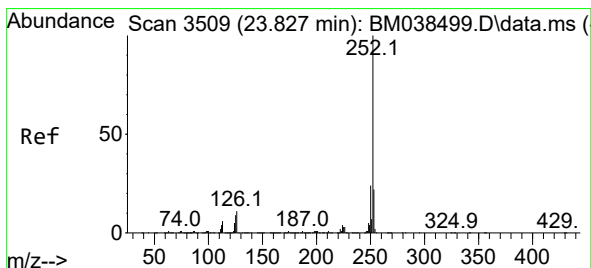
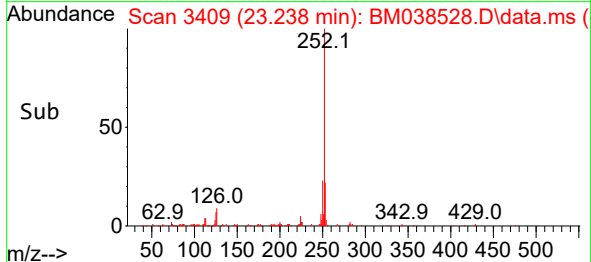
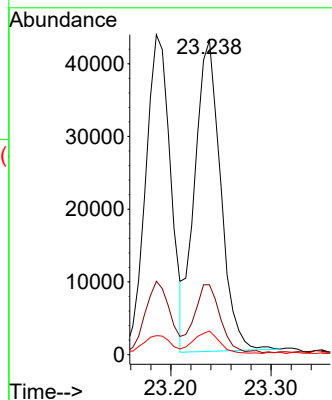
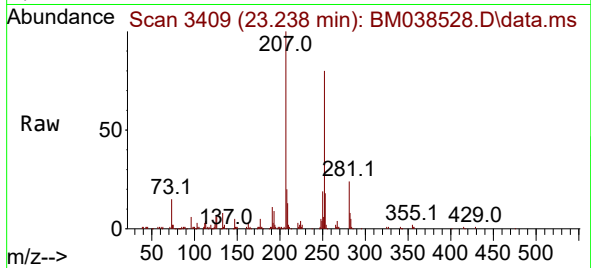




#89
Benzo(k)fluoranthene
Concen: 3.071 ng
RT: 23.238 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

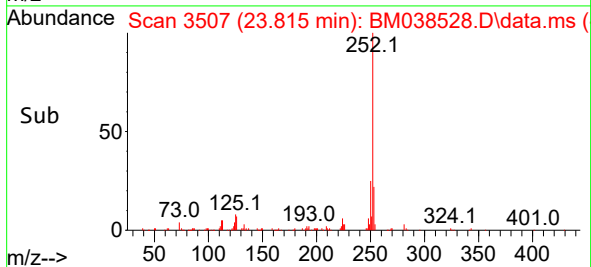
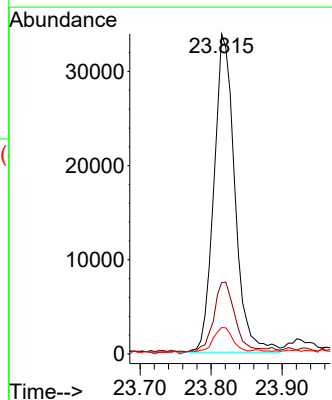
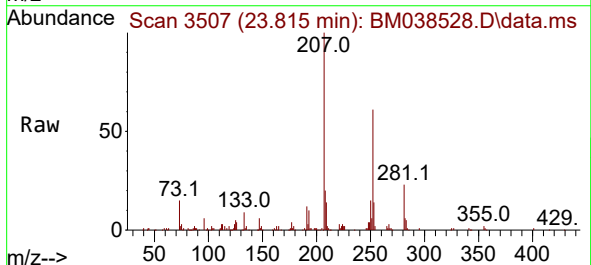
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2022

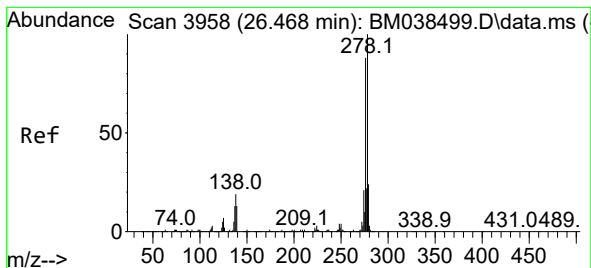
Tgt Ion:252 Resp: 76752
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 7.5 6.8 10.2



#90
Benzo(a)pyrene
Concen: 2.883 ng
RT: 23.815 min Scan# 3507
Delta R.T. -0.012 min
Lab File: BM038528.D
Acq: 25 Jan 2023 12:13

Tgt Ion:252 Resp: 69028
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 8.3 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 3.352 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.024 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2022

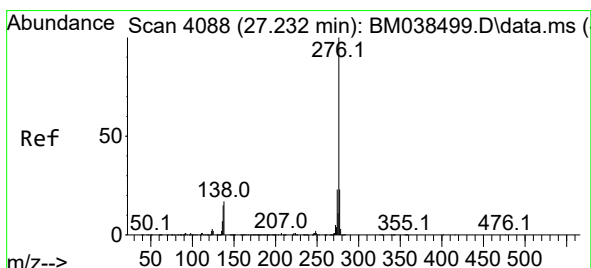
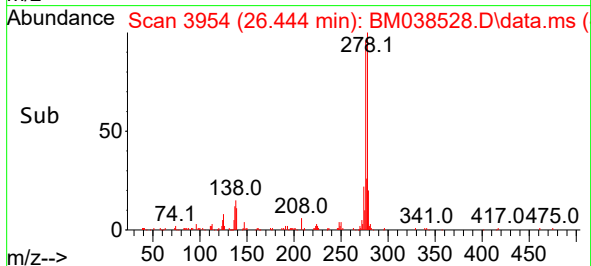
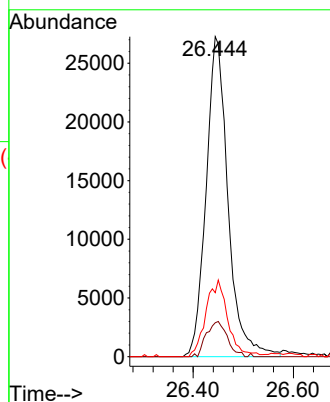
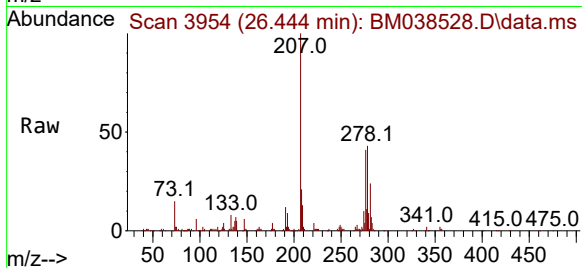
Tgt Ion:278 Resp: 82670

Ion Ratio Lower Upper

278 100

139 10.6 10.3 15.5

279 20.0 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.460 ng

RT: 27.209 min Scan# 4084

Delta R.T. -0.024 min

Lab File: BM038528.D

Acq: 25 Jan 2023 12:13

Tgt Ion:276 Resp: 87398

Ion Ratio Lower Upper

276 100

277 22.5 18.8 28.2

138 16.4 13.8 20.8

