

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044005.D
 Acq On : 07 Feb 2024 00:19
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 07 03:12:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	473748	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	2087675	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	1306566	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	2799459	20.000	ng	0.00
76) Chrysene-d12	21.515	240	2655880	20.000	ng	0.00
86) Perylene-d12	23.921	264	2955676	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	3170431	98.827	ng	0.00
7) Phenol-d6	7.086	99	4252323	89.712	ng	0.00
23) Nitrobenzene-d5	9.092	82	2955345	68.240	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1455895	91.411	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	6640716	69.838	ng	0.00
79) Terphenyl-d14	19.956	244	10655166	77.447	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.398	88	97558	7.869	ng	94
3) Pyridine	3.798	79	218708	5.797	ng	98
4) n-Nitrosodimethylamine	3.722	42	106979	6.595	ng	100
6) Aniline	7.251	93	337876	7.164	ng	99
8) 2-Chlorophenol	7.481	128	240556	6.754	ng	96
9) Benzaldehyde	7.069	77	225343	6.334	ng	96
10) Phenol	7.110	94	304875	6.469	ng	94
11) bis(2-Chloroethyl)ether	7.357	93	250709	6.787	ng	98
12) 1,3-Dichlorobenzene	7.804	146	259802	6.756	ng	97
13) 1,4-Dichlorobenzene	7.957	146	265811	6.835	ng	97
14) 1,2-Dichlorobenzene	8.269	146	252152	6.574	ng	100
15) Benzyl Alcohol	8.169	79	207171	6.377	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.451	45	348928	7.044	ng	100
17) 2-Methylphenol	8.363	107	186504	6.191	ng	99
18) Hexachloroethane	8.992	117	98067	6.720	ng	95
19) n-Nitroso-di-n-propyla...	8.733	70	202975	6.508	ng	96
20) 3+4-Methylphenols	8.692	107	252974	5.949	ng	99
22) Acetophenone	8.751	105	393609	6.958	ng	# 98
24) Nitrobenzene	9.133	77	294453	6.777	ng	99
25) Isophorone	9.657	82	526484	6.530	ng	99
26) 2-Nitrophenol	9.839	139	104404	5.945	ng	97
27) 2,4-Dimethylphenol	9.898	122	180835	7.499	ng	94
28) bis(2-Chloroethoxy)met...	10.151	93	347187	7.052	ng	99
29) 2,4-Dichlorophenol	10.369	162	195808	6.366	ng	99
30) 1,2,4-Trichlorobenzene	10.586	180	233580	6.724	ng	98
31) Naphthalene	10.774	128	772409	6.638	ng	99
32) Benzoic acid	9.975	122	85625	9.461	ng	93
33) 4-Chloroaniline	10.892	127	321681	6.726	ng	98
34) Hexachlorobutadiene	11.051	225	129142	6.816	ng	98
35) Caprolactam	11.663	113	65648	5.205	ng	97
36) 4-Chloro-3-methylphenol	12.010	107	232706	6.179	ng	99
37) 2-Methylnaphthalene	12.386	142	526442	6.487	ng	99
38) 1-Methylnaphthalene	12.604	142	521098	6.433	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	259739	7.009	ng	99
41) Hexachlorocyclopentadiene	12.721	237	110084	9.032	ng	97
43) 2,4,6-Trichlorophenol	12.998	196	155558	6.212	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044005.D
 Acq On : 07 Feb 2024 00:19
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 07 03:12:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

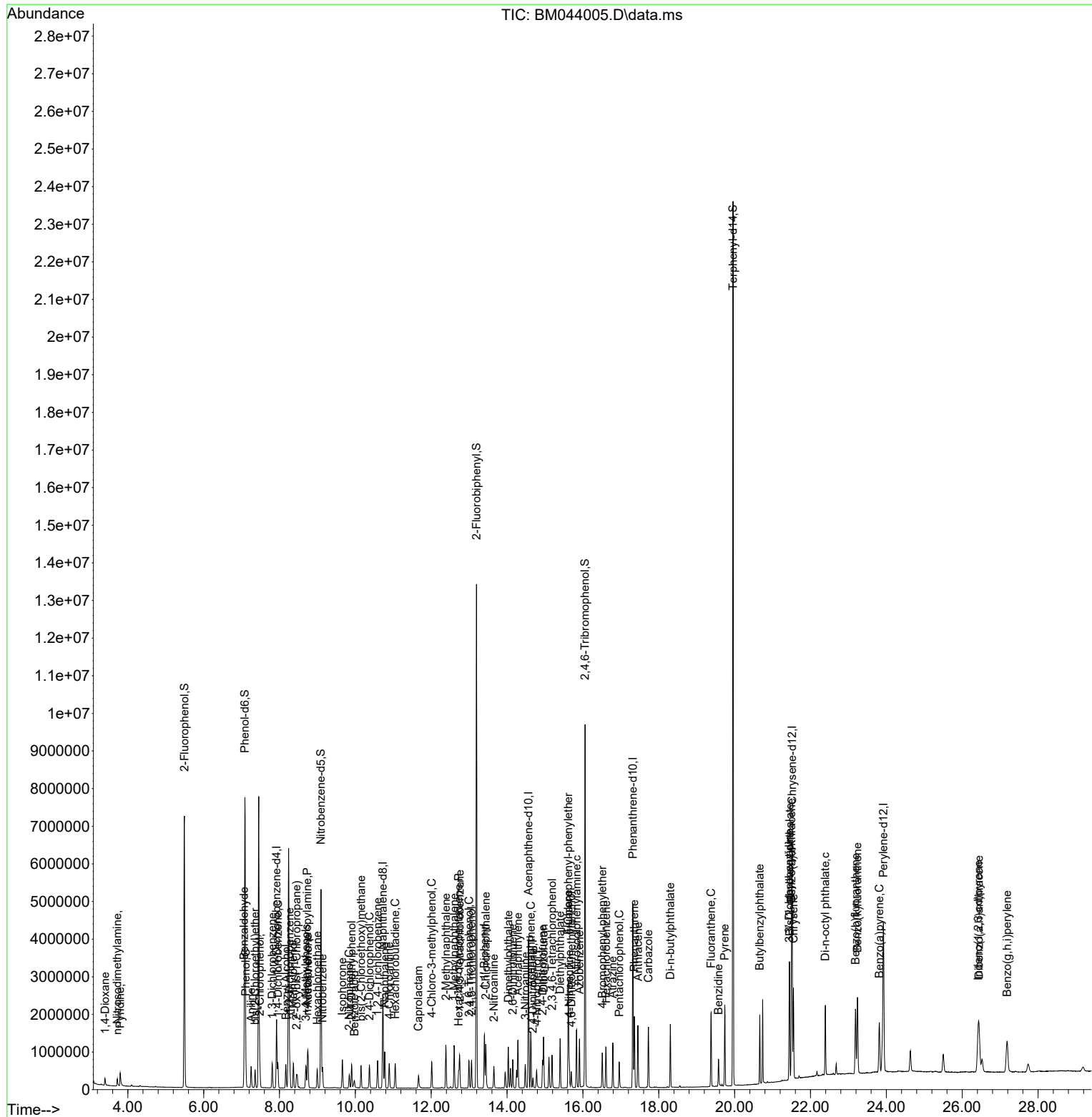
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	175331	6.137	ng	97
46) 1,1'-Biphenyl	13.404	154	727479	7.080	ng	99
47) 2-Chloronaphthalene	13.439	162	541929	6.614	ng	100
48) 2-Nitroaniline	13.651	65	154252	5.788	ng	96
49) Acenaphthylene	14.286	152	884948	7.065	ng	99
50) Dimethylphthalate	14.033	163	683073	6.731	ng	100
51) 2,6-Dinitrotoluene	14.151	165	133603	5.989	ng	93
52) Acenaphthene	14.627	154	516935	6.510	ng	99
53) 3-Nitroaniline	14.480	138	146474	5.656	ng	94
54) 2,4-Dinitrophenol	14.680	184	47678	10.547	ng	96
55) Dibenzofuran	14.962	168	842395	6.817	ng	99
56) 4-Nitrophenol	14.780	139	116627	5.153	ng	96
57) 2,4-Dinitrotoluene	14.933	165	169415	5.455	ng	94
58) Fluorene	15.615	166	680133	6.518	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	155813	6.326	ng	99
60) Diethylphthalate	15.398	149	683768	6.508	ng	99
61) 4-Chlorophenyl-phenyle...	15.615	204	326457	6.705	ng	100
62) 4-Nitroaniline	15.639	138	152757	5.395	ng	97
63) Azobenzene	15.909	77	693139	6.605	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	72267	9.837	ng	92
66) n-Nitrosodiphenylamine	15.833	169	572378	6.864	ng	99
67) 4-Bromophenyl-phenylether	16.509	248	158104	5.733	ng	98
68) Hexachlorobenzene	16.609	284	212301	6.457	ng	97
69) Atrazine	16.786	200	186040	8.064	ng	99
70) Pentachlorophenol	16.956	266	107756	4.991	ng	98
71) Phenanthrene	17.356	178	1058215	6.787	ng	99
72) Anthracene	17.451	178	1006847	6.596	ng	99
73) Carbazole	17.727	167	981919	6.211	ng	100
74) Di-n-butylphthalate	18.303	149	1124299	6.484	ng	100
75) Fluoranthene	19.380	202	1171798	6.077	ng	98
77) Benzidine	19.574	184	406180	12.054	ng	99
78) Pyrene	19.739	202	1240486	6.795	ng	99
80) Butylbenzylphthalate	20.662	149	469972	6.501	ng	99
81) Benzo(a)anthracene	21.497	228	1284625	6.894	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	401662	6.742	ng	98
83) Chrysene	21.550	228	1169451	6.551	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	749634	6.973	ng	99
85) Di-n-octyl phthalate	22.391	149	1193107	6.442	ng	99
87) Indeno(1,2,3-cd)pyrene	26.421	276	1364368	6.169	ng	99
88) Benzo(b)fluoranthene	23.185	252	1245181	6.697	ng	100
89) Benzo(k)fluoranthene	23.238	252	1150191	6.448	ng	99
90) Benzo(a)pyrene	23.815	252	1030991	6.274	ng	100
91) Dibenzo(a,h)anthracene	26.444	278	1133624	6.215	ng	99
92) Benzo(g,h,i)perylene	27.185	276	1086561	5.840	ng	99

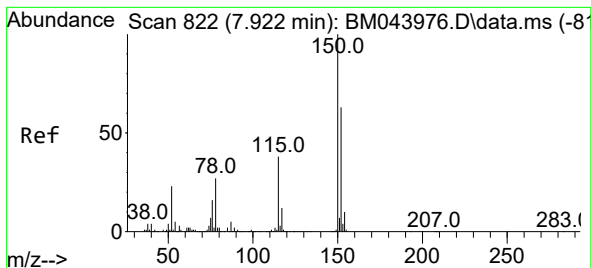
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044005.D
 Acq On : 07 Feb 2024 00:19
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 07 03:12:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

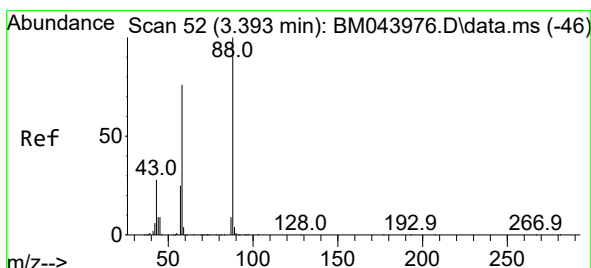
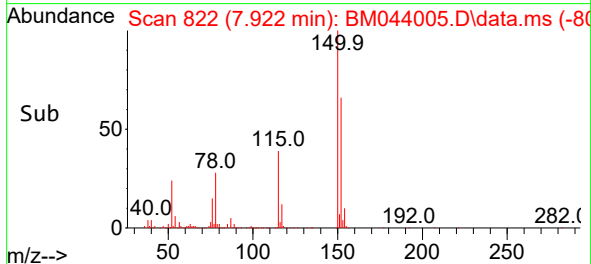
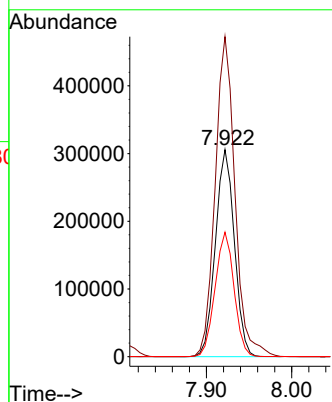
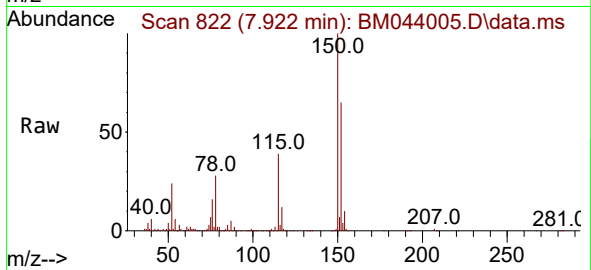




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044005.D
 Acq: 07 Feb 2024 00:19

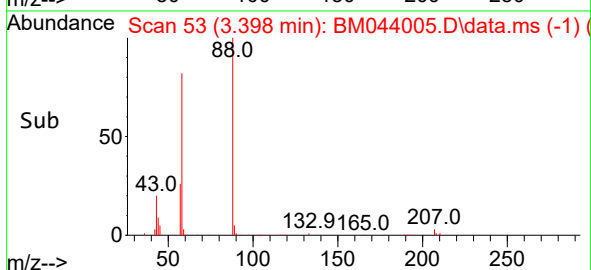
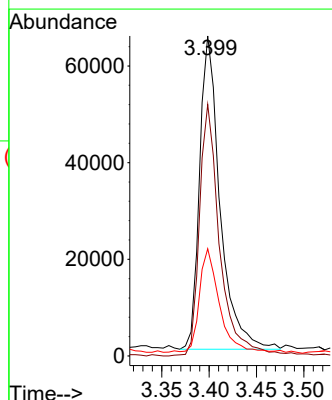
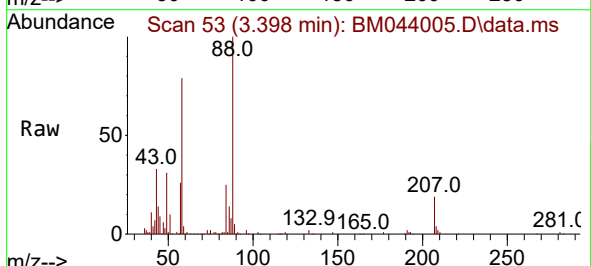
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

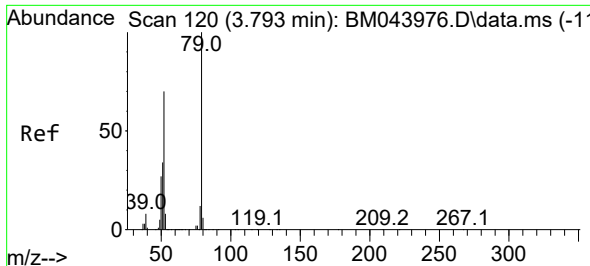
Tgt Ion:152 Resp: 473748
 Ion Ratio Lower Upper
 152 100
 150 154.5 126.1 189.1
 115 60.1 48.2 72.2



#2
 1,4-Dioxane
 Concen: 7.869 ng
 RT: 3.398 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM044005.D
 Acq: 07 Feb 2024 00:19

Tgt Ion: 88 Resp: 97558
 Ion Ratio Lower Upper
 88 100
 58 80.0 61.0 91.6
 43 33.7 23.0 34.6

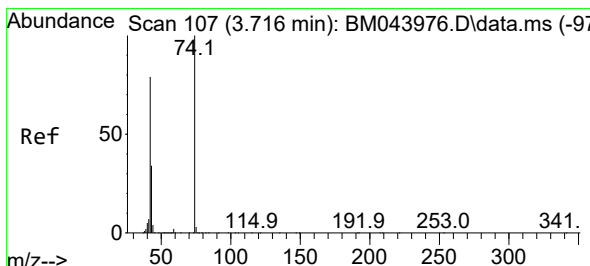
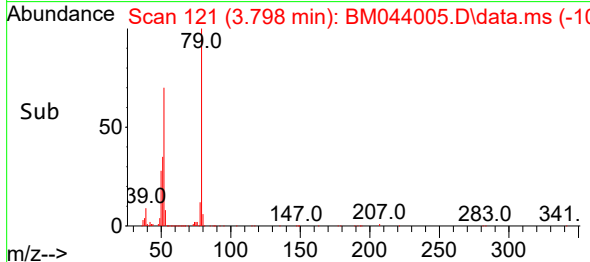
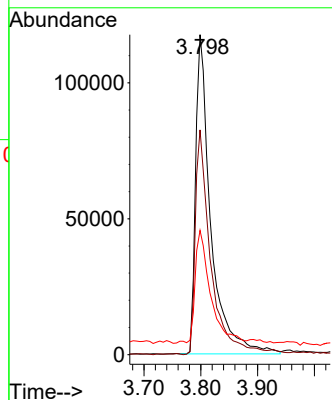
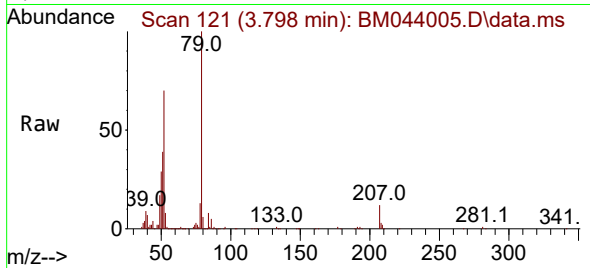




#3
Pyridine
Concen: 5.797 ng
RT: 3.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

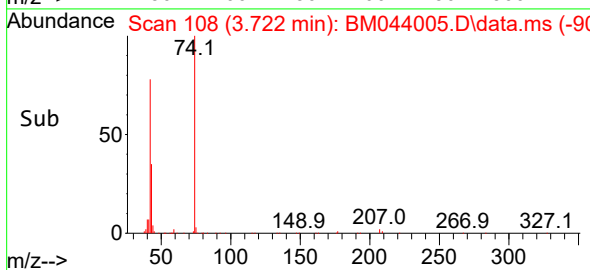
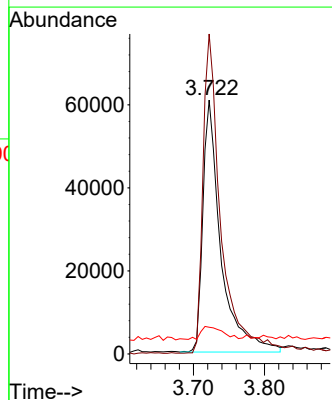
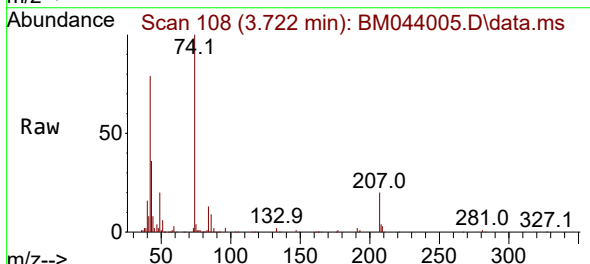
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

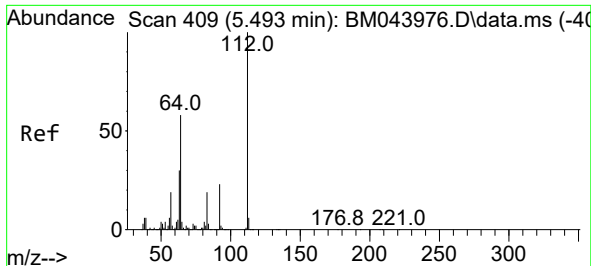
Tgt Ion: 79 Resp: 218708
Ion Ratio Lower Upper
79 100
52 70.2 55.9 83.9
51 38.8 28.2 42.2



#4
n-Nitrosodimethylamine
Concen: 6.595 ng
RT: 3.722 min Scan# 108
Delta R.T. 0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 42 Resp: 106979
Ion Ratio Lower Upper
42 100
74 126.0 100.7 151.1
44 10.5 7.3 10.9

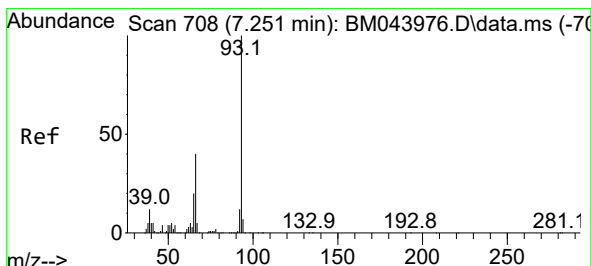
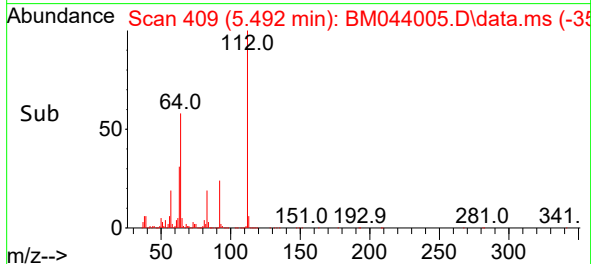
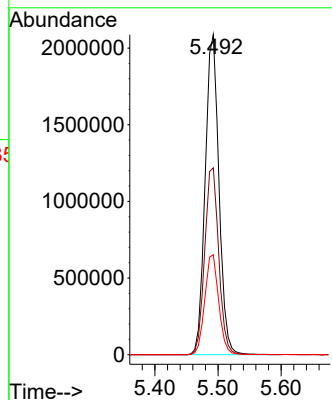
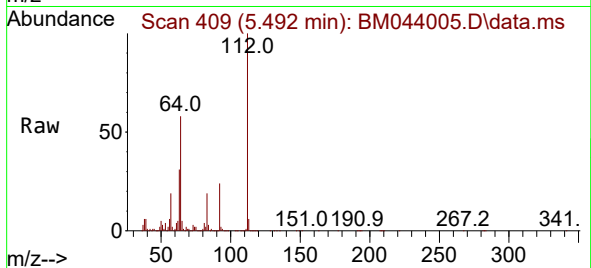




#5
2-Fluorophenol
Concen: 98.827 ng
RT: 5.492 min Scan# 409
Delta R.T. -0.001 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

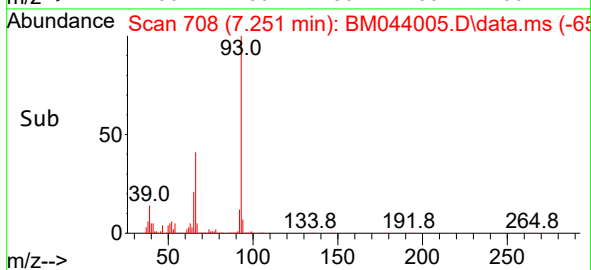
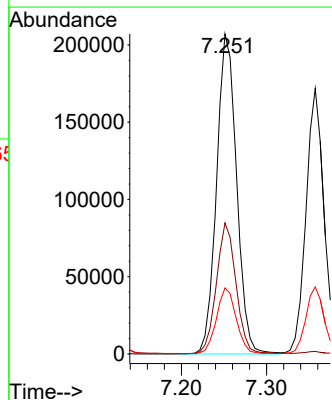
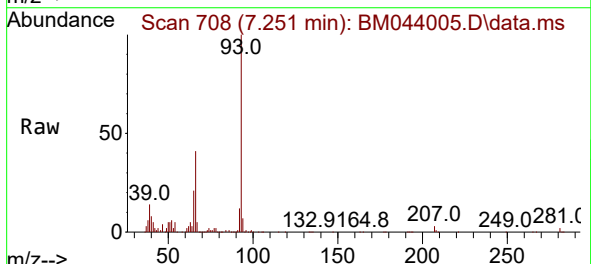
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

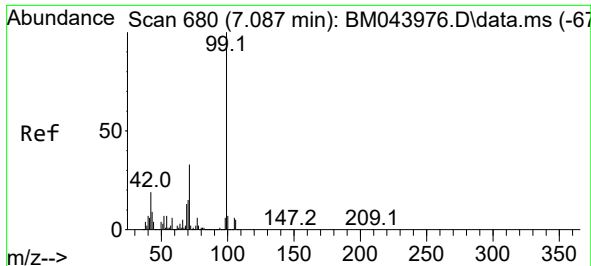
Tgt Ion:112 Resp: 3170431
Ion Ratio Lower Upper
112 100
64 58.4 46.6 70.0
63 31.2 24.2 36.4



#6
Aniline
Concen: 7.164 ng
RT: 7.251 min Scan# 708
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 93 Resp: 337876
Ion Ratio Lower Upper
93 100
66 40.9 32.2 48.2
65 20.6 15.8 23.8

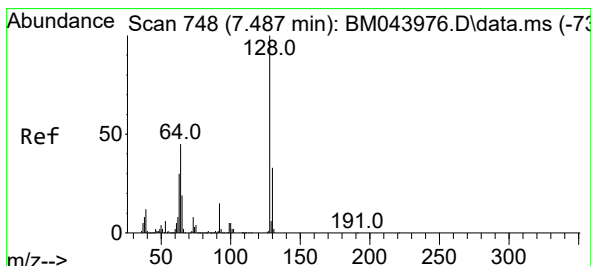
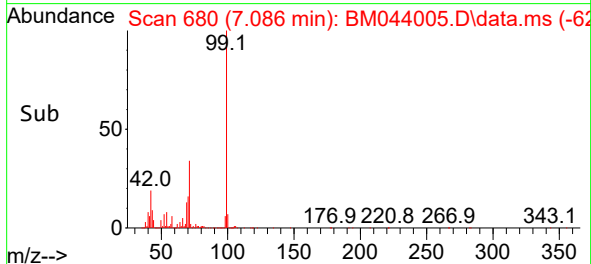
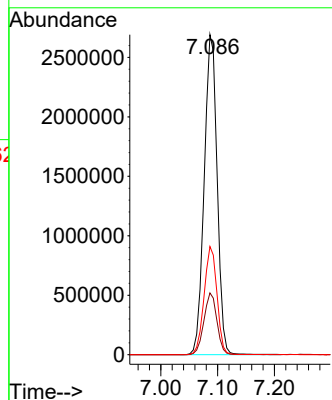
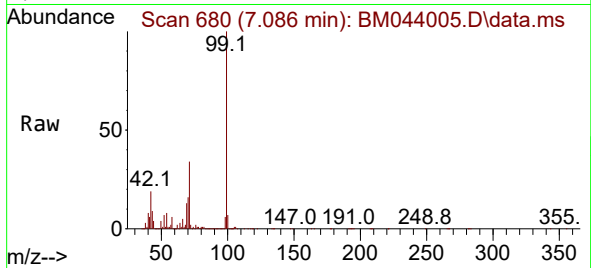




#7
Phenol-d6
Concen: 89.712 ng
RT: 7.086 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

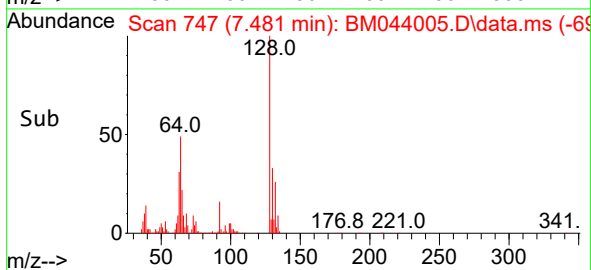
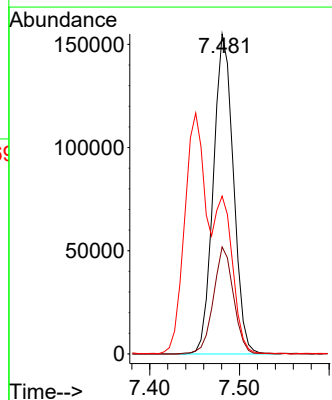
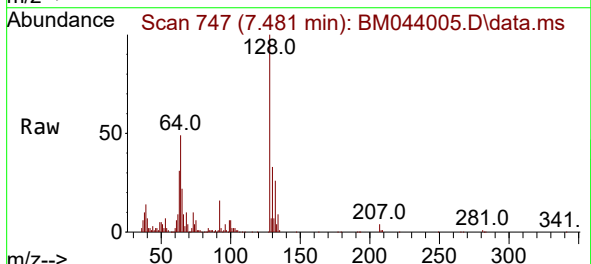
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

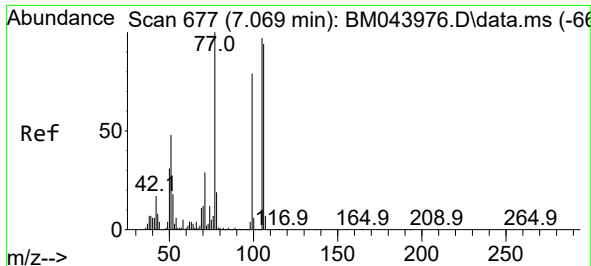
Tgt Ion: 99 Resp: 4252323
Ion Ratio Lower Upper
99 100
42 19.3 14.9 22.3
71 33.8 26.3 39.5



#8
2-Chlorophenol
Concen: 6.754 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:128 Resp: 240556
Ion Ratio Lower Upper
128 100
130 33.5 12.9 52.9
64 49.3 25.6 65.6

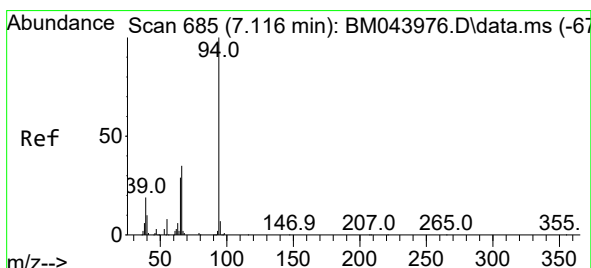
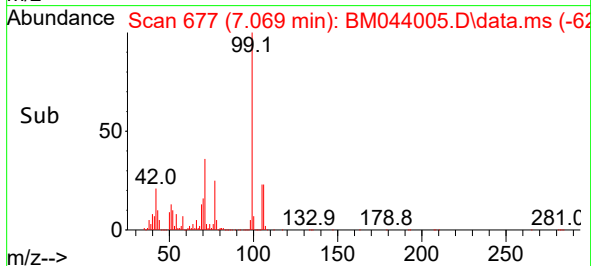
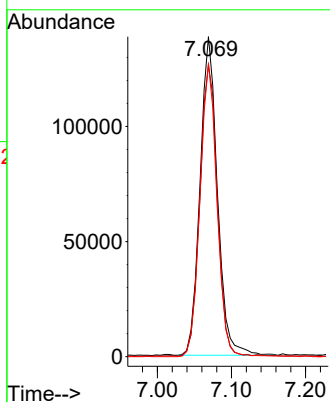
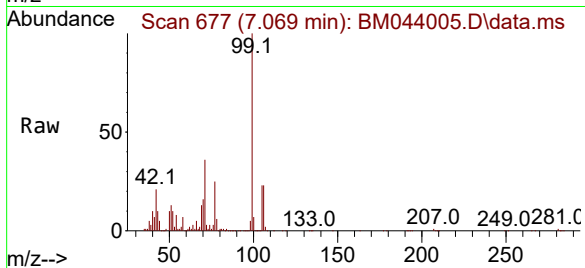




#9
Benzaldehyde
Concen: 6.334 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

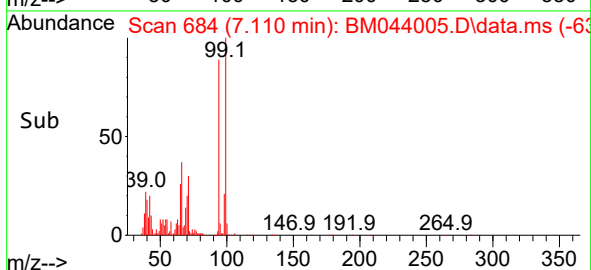
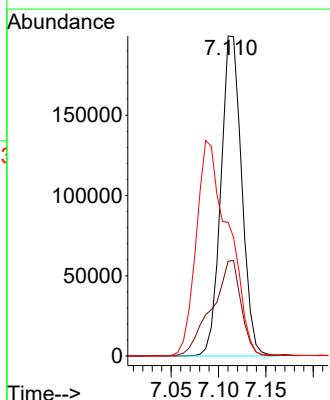
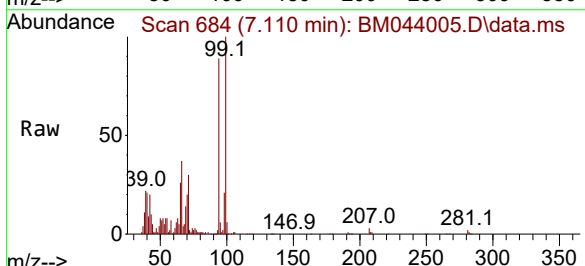
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

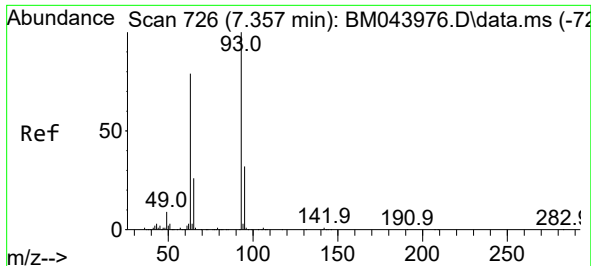
Tgt Ion: 77 Resp: 225343
Ion Ratio Lower Upper
77 100
105 91.2 77.4 117.4
106 91.6 73.5 113.5



#10
Phenol
Concen: 6.469 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 94 Resp: 304875
Ion Ratio Lower Upper
94 100
65 29.6 9.3 49.3
66 41.8 15.7 55.7

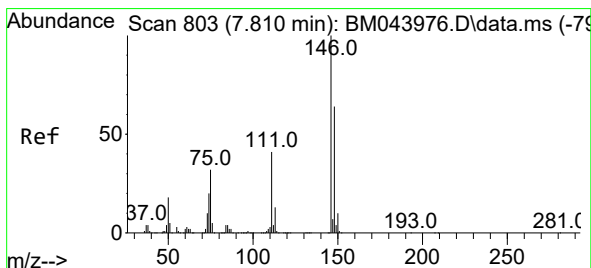
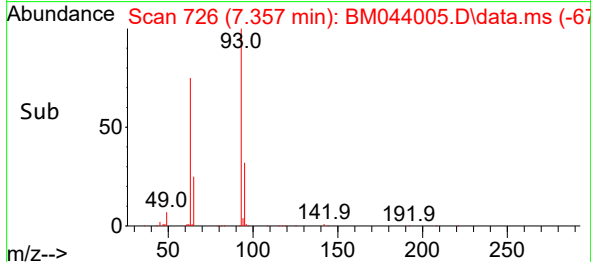
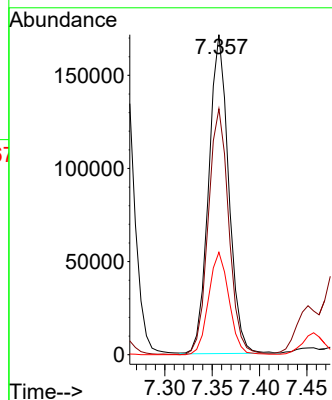
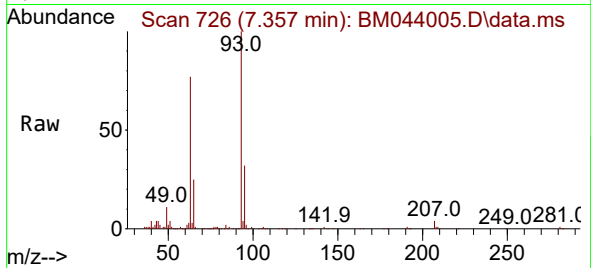




#11
bis(2-Chloroethyl)ether
Concen: 6.787 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

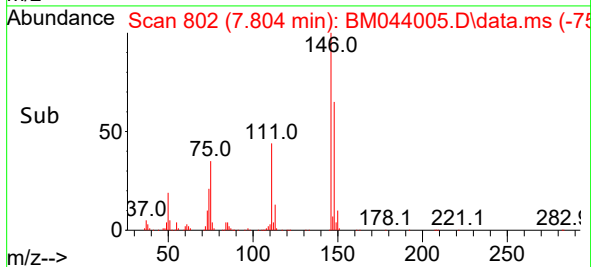
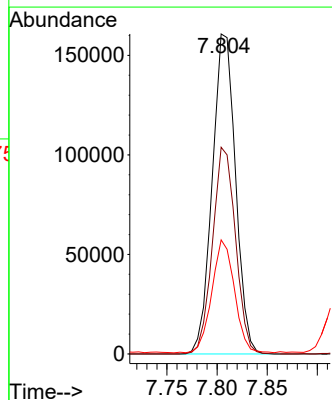
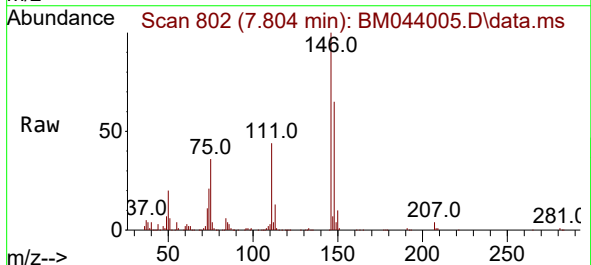
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

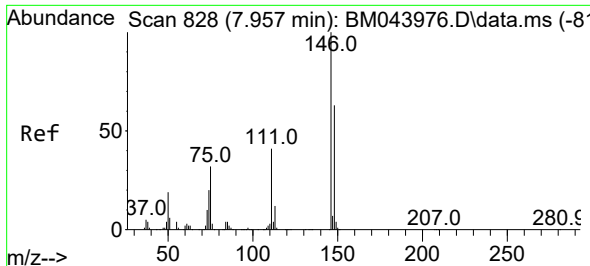
Tgt Ion: 93 Resp: 250709
Ion Ratio Lower Upper
93 100
63 76.9 59.0 99.0
95 32.0 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 6.756 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 146 Resp: 259802
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
75 35.7 26.1 39.1

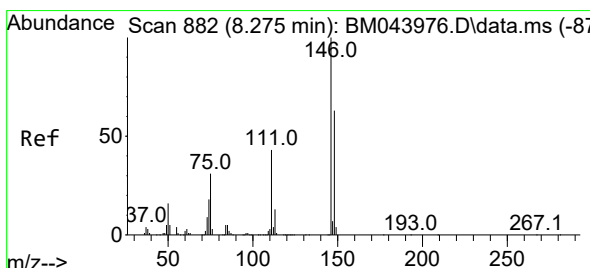
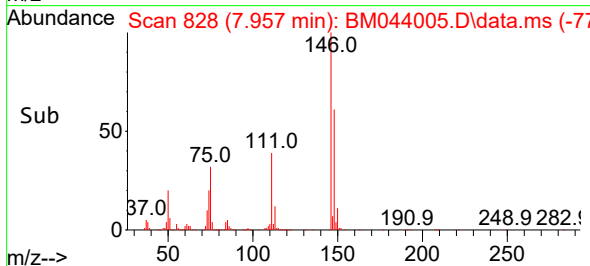
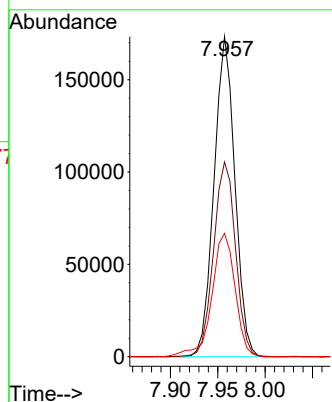
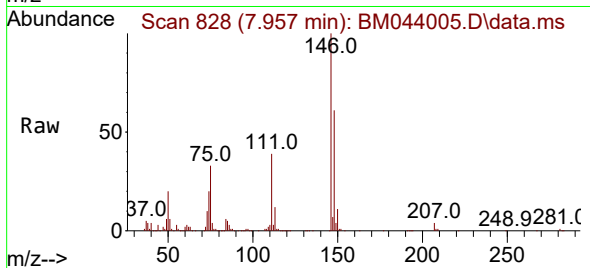




#13
1,4-Dichlorobenzene
Concen: 6.835 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

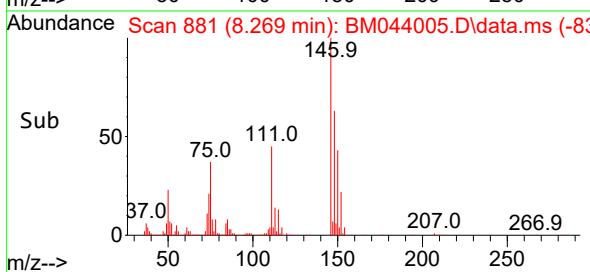
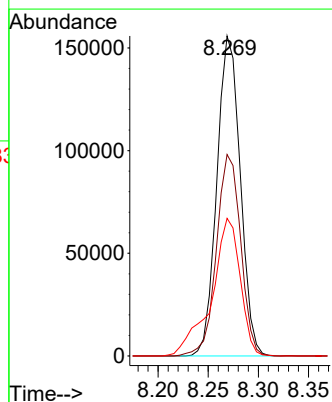
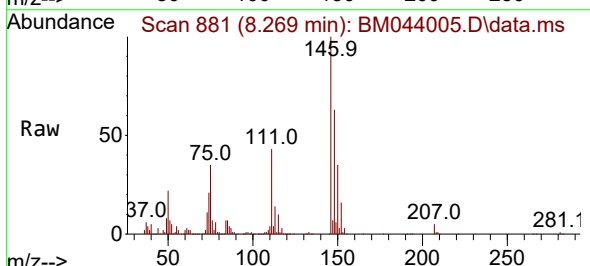
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

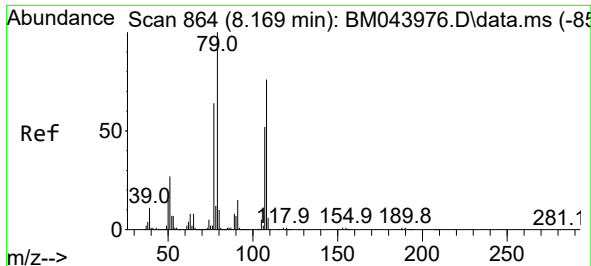
Tgt Ion:146 Resp: 265811
Ion Ratio Lower Upper
146 100
148 60.9 50.7 76.1
111 38.6 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 6.574 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:146 Resp: 252152
Ion Ratio Lower Upper
146 100
148 63.0 50.3 75.5
111 43.0 34.3 51.5

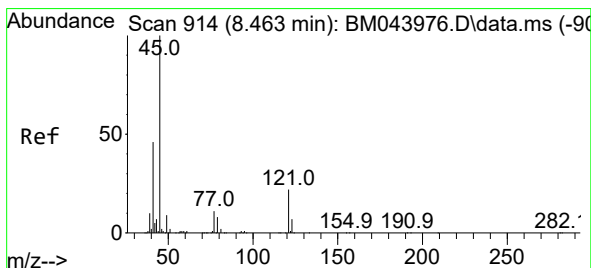
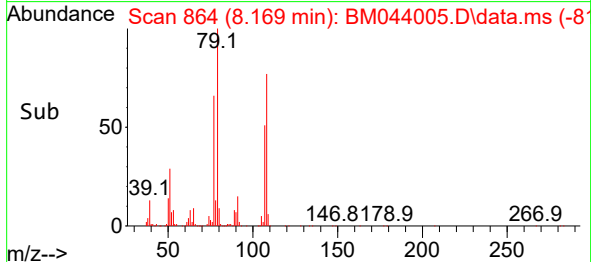
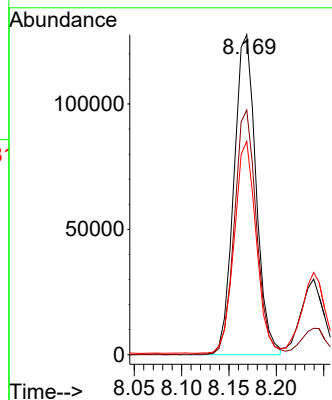
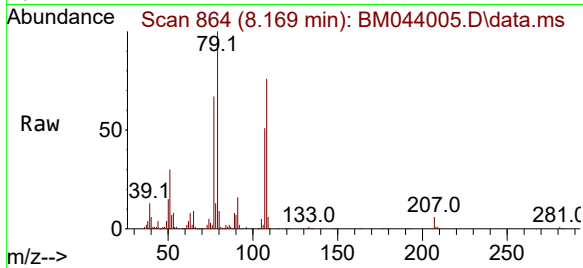




#15
Benzyl Alcohol
Concen: 6.377 ng
RT: 8.169 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

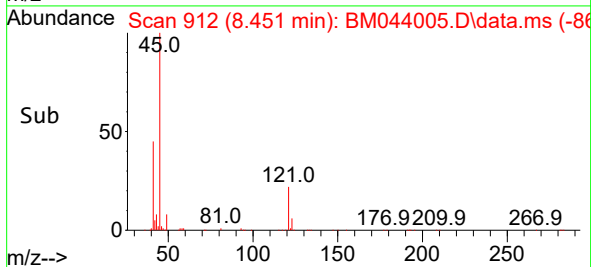
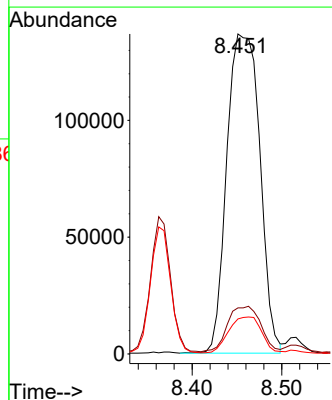
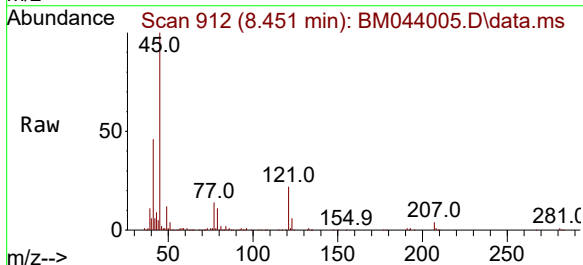
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

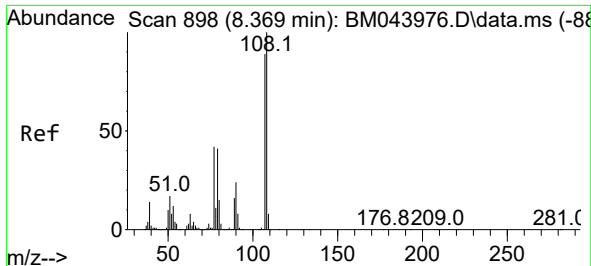
Tgt Ion: 79 Resp: 207171
Ion Ratio Lower Upper
79 100
108 76.5 60.7 91.1
77 66.7 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.044 ng
RT: 8.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 45 Resp: 348928
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.4
79 10.9 0.0 31.2

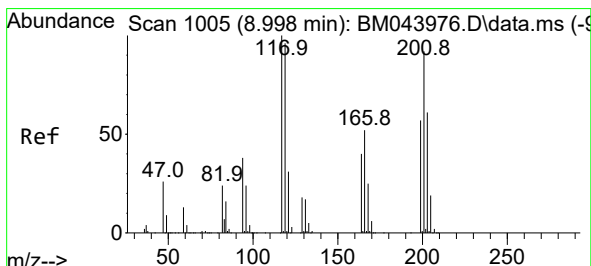
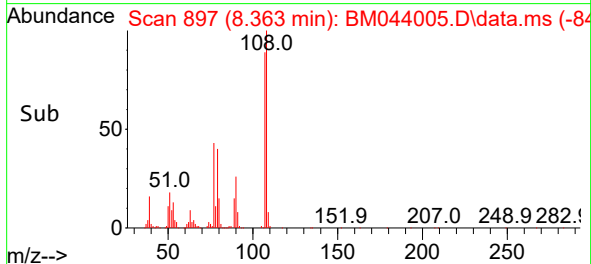
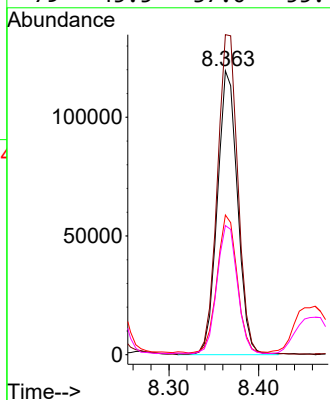
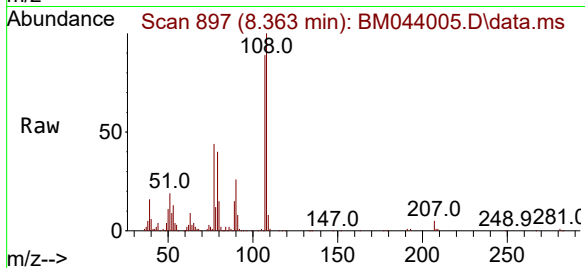




#17
2-Methylphenol
Concen: 6.191 ng
RT: 8.363 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

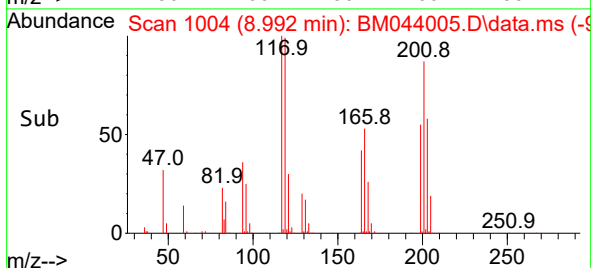
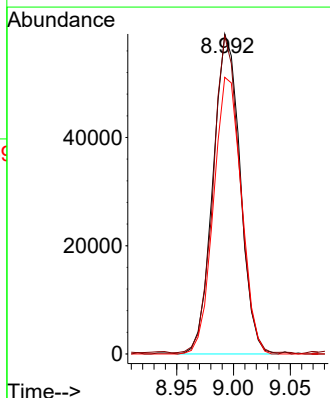
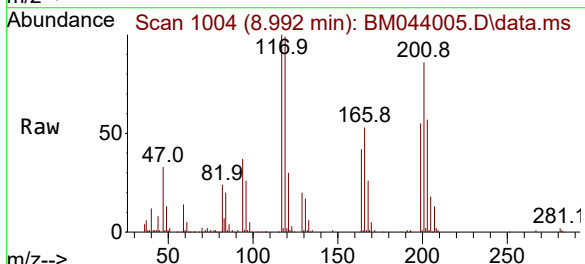
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

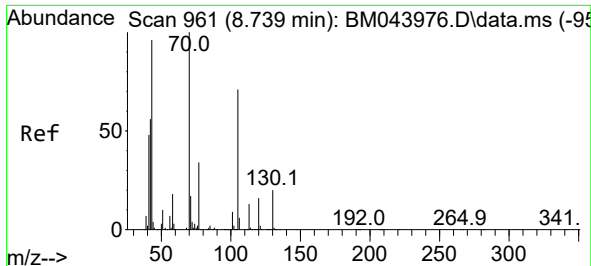
Tgt Ion:	107	Resp:	186504
Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.4	135.6
77	49.2	38.0	57.0
79	45.5	37.0	55.4



#18
Hexachloroethane
Concen: 6.720 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:	117	Resp:	98067
Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.7	115.1
201	86.4	73.4	110.2



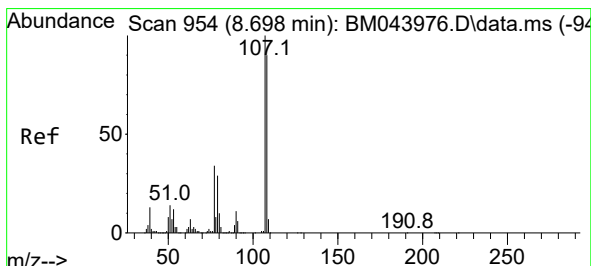
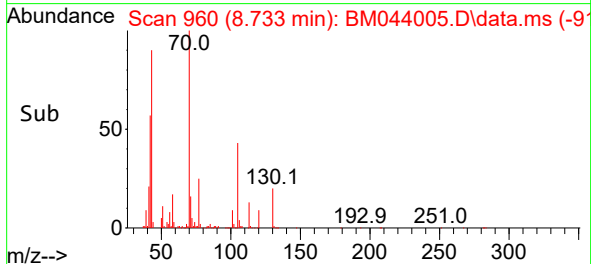
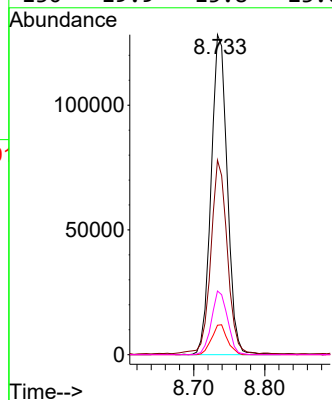
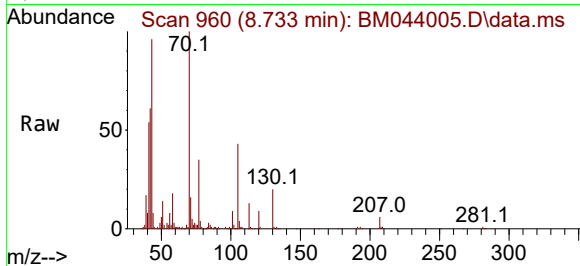


#19
n-Nitroso-di-n-propylamine
Concen: 6.508 ng
RT: 8.733 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

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

Tgt Ion: 70 Resp: 202975

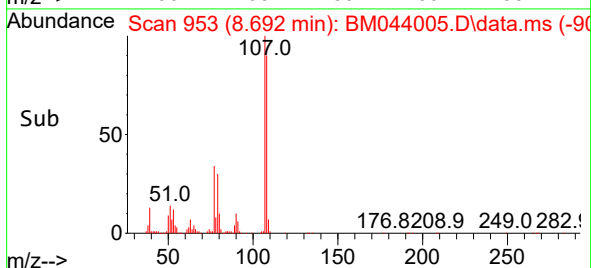
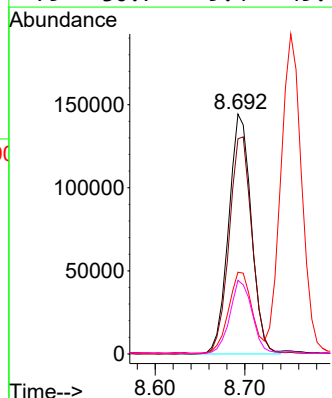
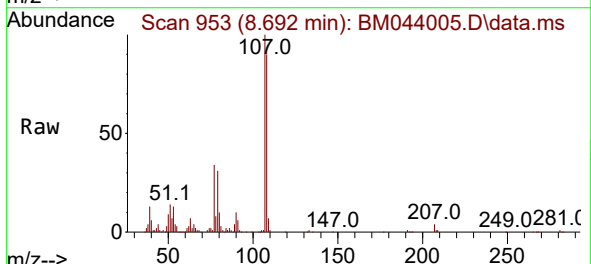
Ion	Ratio	Lower	Upper
70	100		
42	60.8	45.6	68.4
101	9.2	7.5	11.3
130	19.9	15.8	23.6

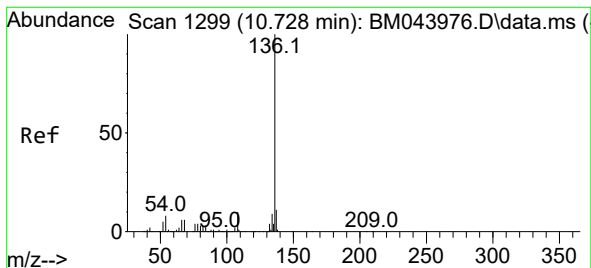


#20
3+4-Methylphenols
Concen: 5.949 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 107 Resp: 252974

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.3	110.3
77	34.1	14.0	54.0
79	30.7	9.4	49.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:136 Resp: 2087675

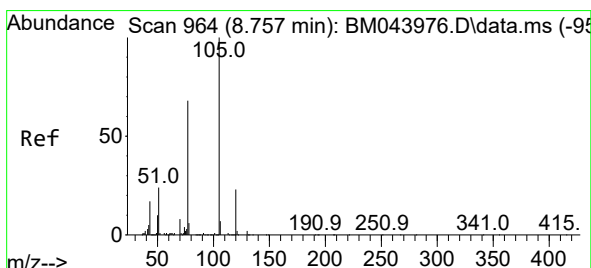
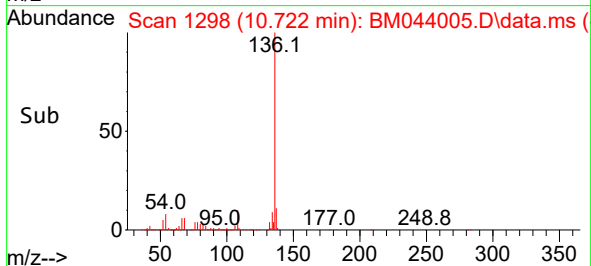
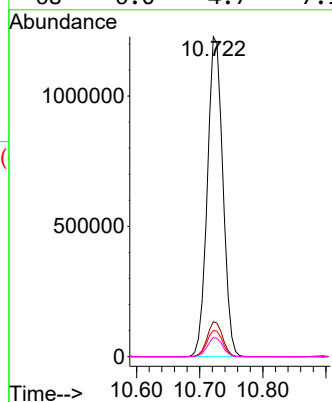
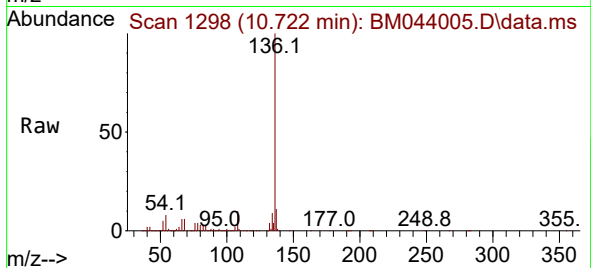
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.2 6.5 9.7

68 6.0 4.7 7.1



#22

Acetophenone

Concen: 6.958 ng

RT: 8.751 min Scan# 963

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Tgt Ion:105 Resp: 393609

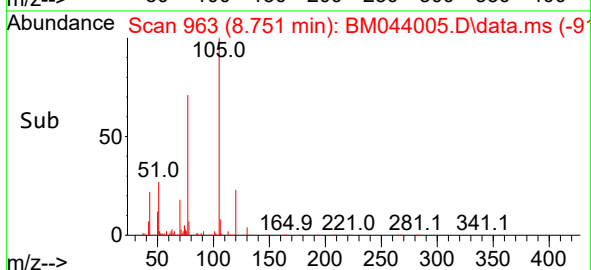
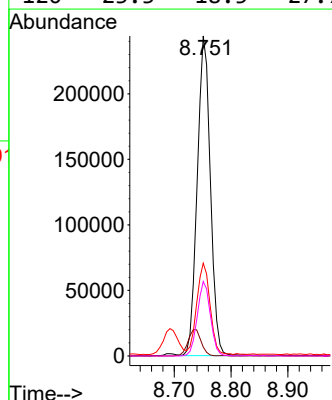
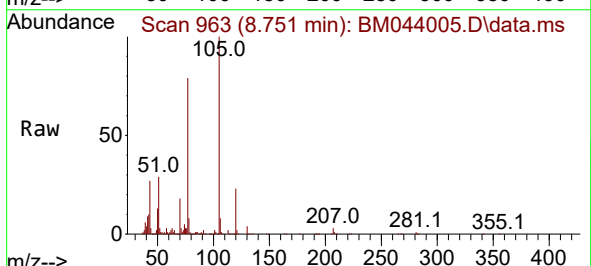
Ion Ratio Lower Upper

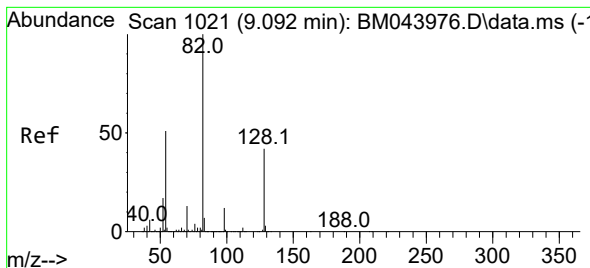
105 100

71 2.8 1.6 2.4#

51 29.0 21.8 32.6

120 23.3 18.5 27.7

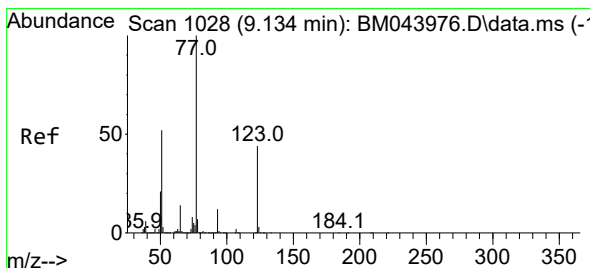
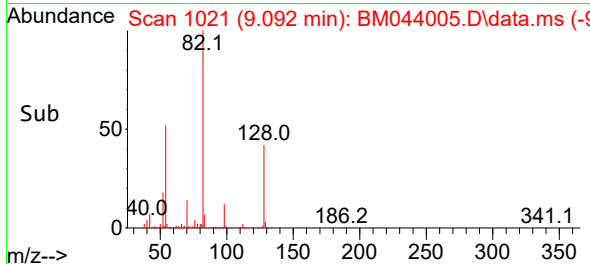
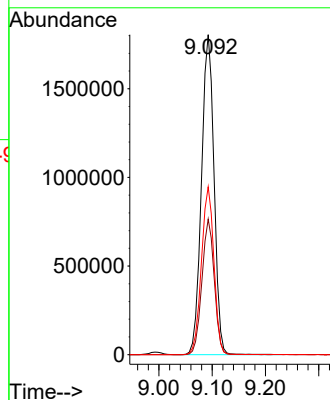
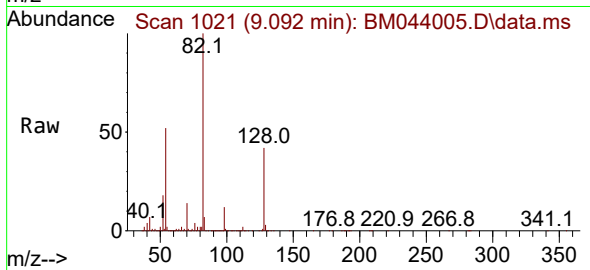




#23
Nitrobenzene-d5
Concen: 68.240 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

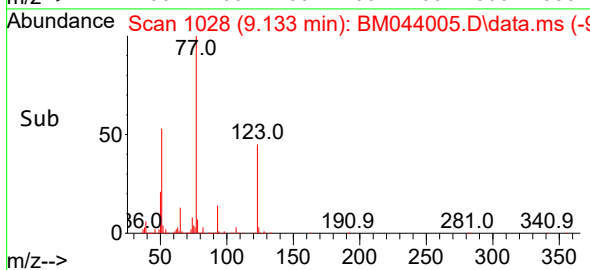
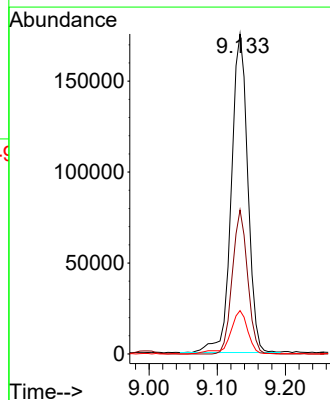
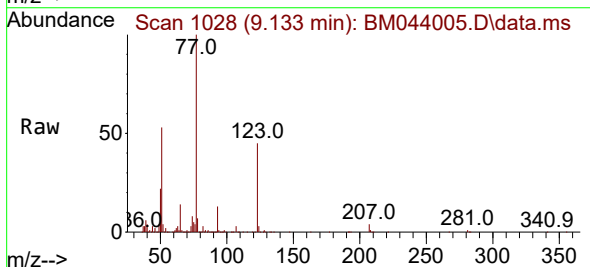
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

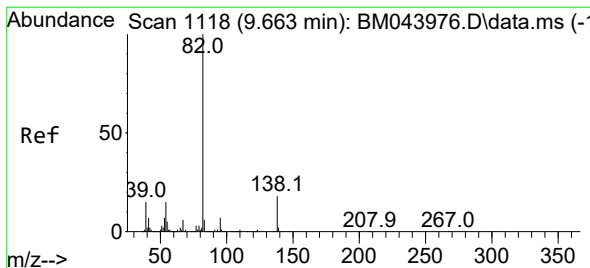
Tgt Ion: 82 Resp: 2955345
Ion Ratio Lower Upper
82 100
128 42.4 33.9 50.9
54 52.5 41.1 61.7



#24
Nitrobenzene
Concen: 6.777 ng
RT: 9.133 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 77 Resp: 294453
Ion Ratio Lower Upper
77 100
123 45.0 35.3 52.9
65 13.5 10.9 16.3





#25

Isophorone

Concen: 6.530 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

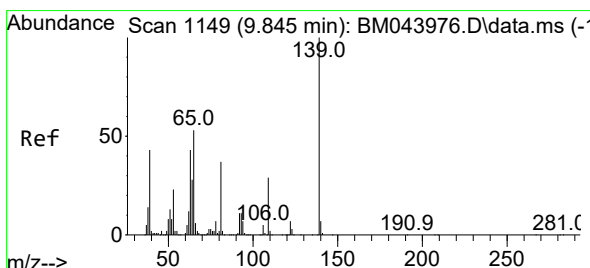
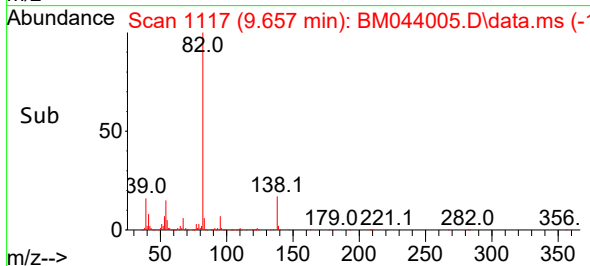
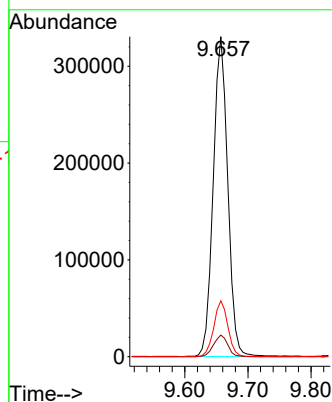
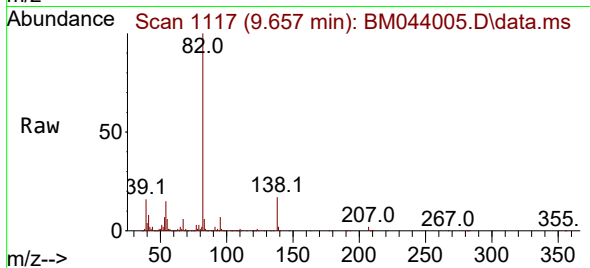
Tgt Ion: 82 Resp: 526484

Ion Ratio Lower Upper

82 100

95 6.8 5.6 8.4

138 17.4 14.2 21.2



#26

2-Nitrophenol

Concen: 5.945 ng

RT: 9.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

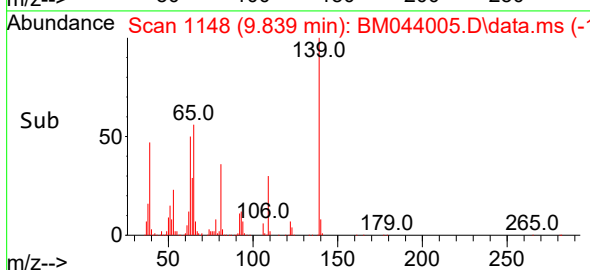
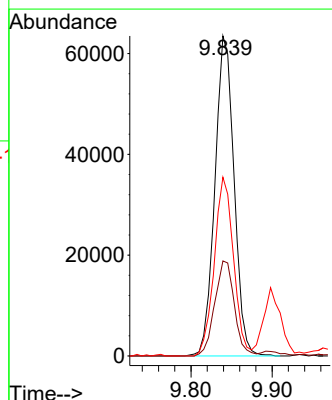
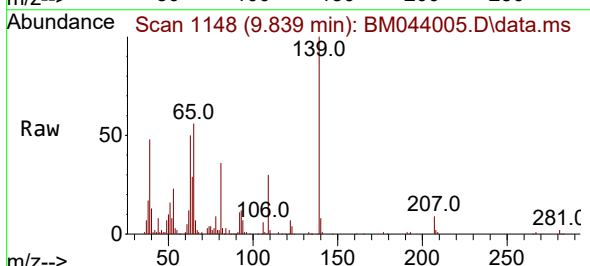
Tgt Ion: 139 Resp: 104404

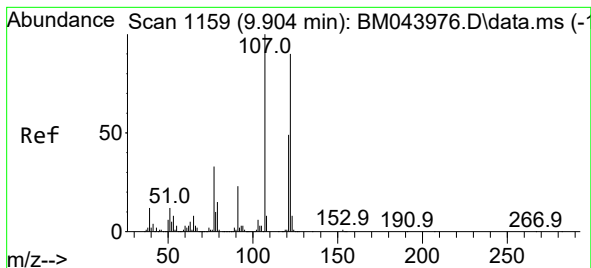
Ion Ratio Lower Upper

139 100

109 29.7 23.3 34.9

65 55.8 42.5 63.7

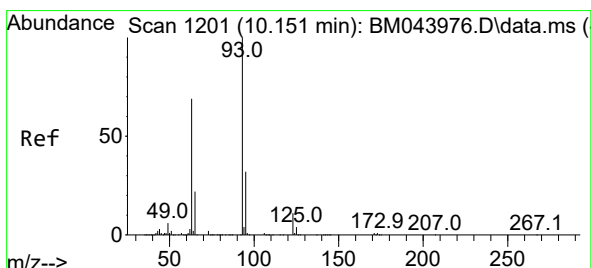
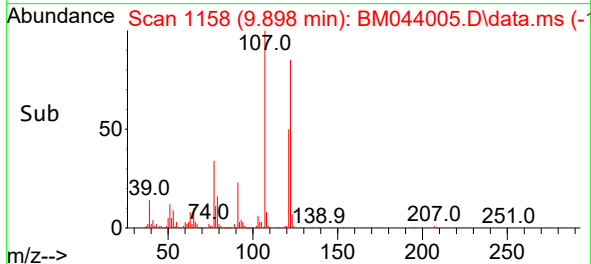
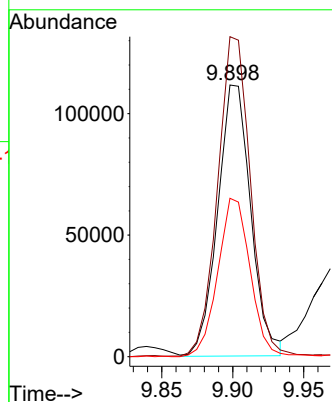
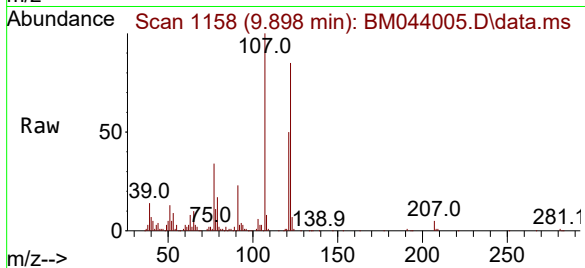




#27
2,4-Dimethylphenol
Concen: 7.499 ng
RT: 9.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

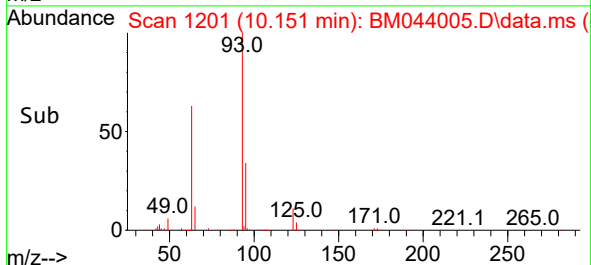
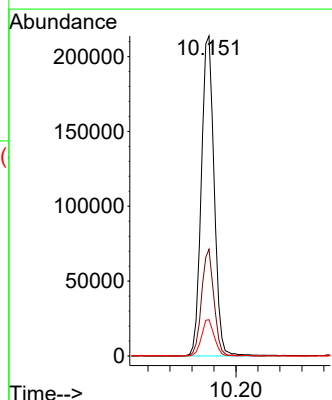
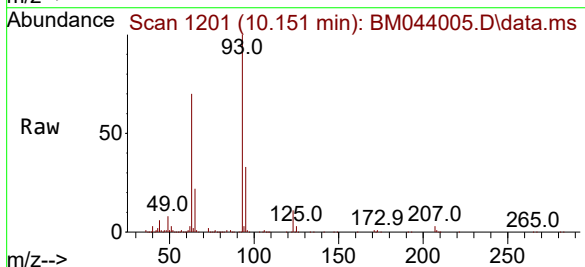
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

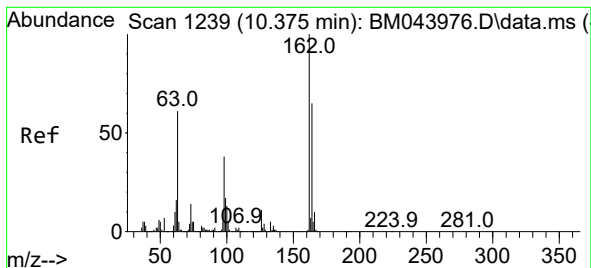
Tgt Ion:122 Resp: 180835
Ion Ratio Lower Upper
122 100
107 117.8 89.0 133.4
121 58.3 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 7.052 ng
RT: 10.151 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 93 Resp: 347187
Ion Ratio Lower Upper
93 100
95 33.3 25.9 38.9
123 11.3 9.1 13.7

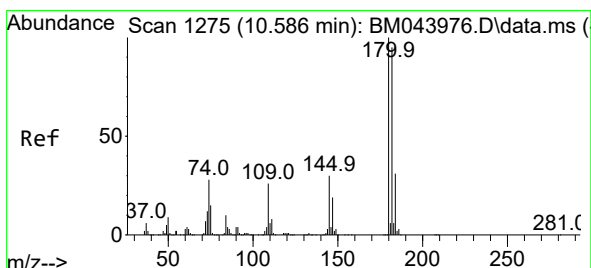
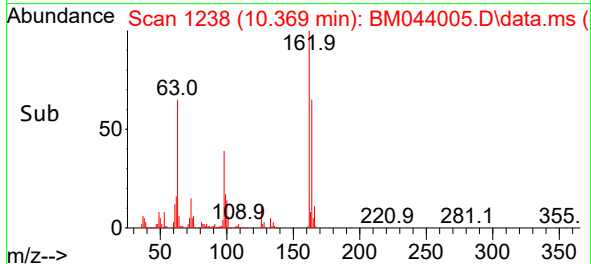
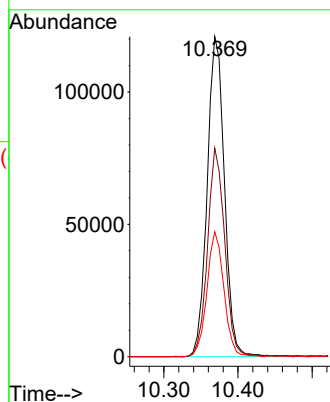
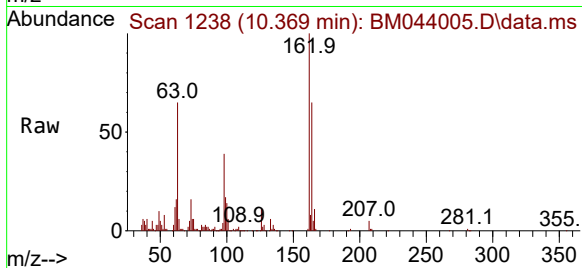




#29
2,4-Dichlorophenol
Concen: 6.366 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

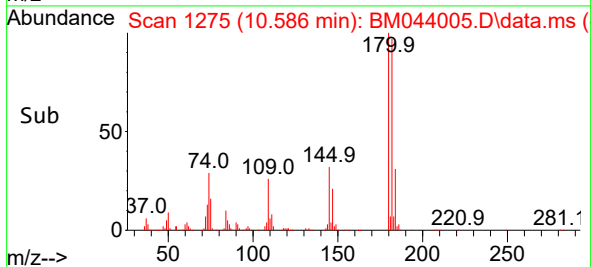
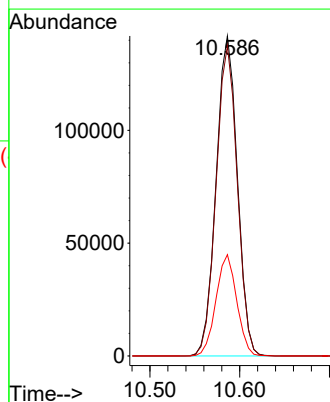
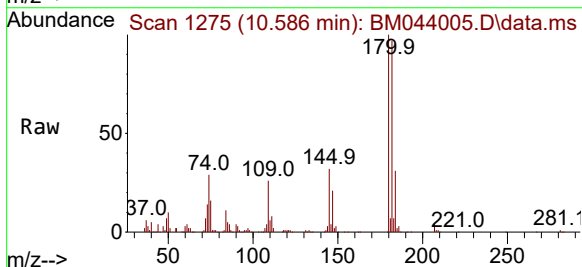
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

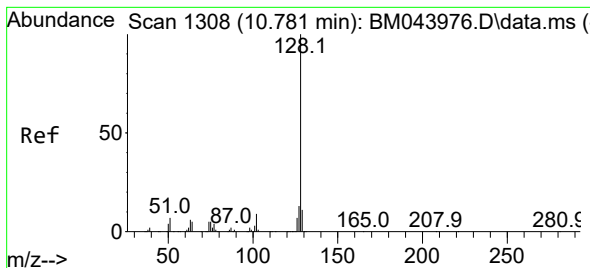
Tgt Ion:162 Resp: 195808
Ion Ratio Lower Upper
162 100
164 65.2 45.1 85.1
98 39.1 17.8 57.8



#30
1,2,4-Trichlorobenzene
Concen: 6.724 ng
RT: 10.586 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:180 Resp: 233580
Ion Ratio Lower Upper
180 100
182 97.0 76.0 114.0
145 31.6 24.2 36.2





#31

Naphthalene

Concen: 6.638 ng

RT: 10.774 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

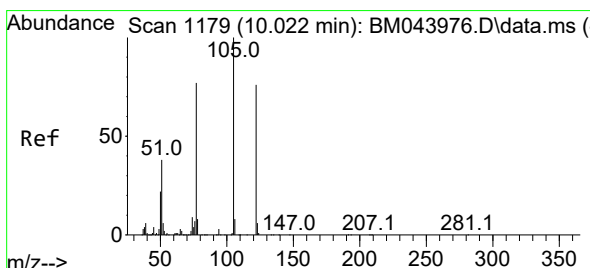
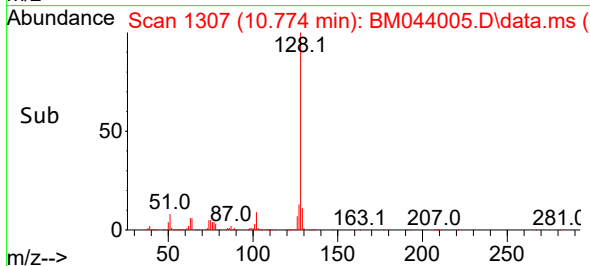
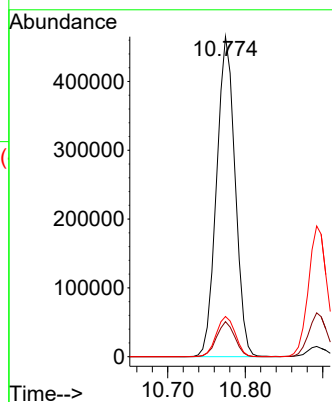
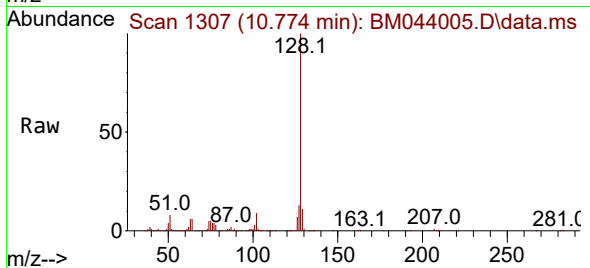
Tgt Ion:128 Resp: 772409

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

127 12.6 10.1 15.1



#32

Benzoic acid

Concen: 9.461 ng

RT: 9.975 min Scan# 1171

Delta R.T. -0.047 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

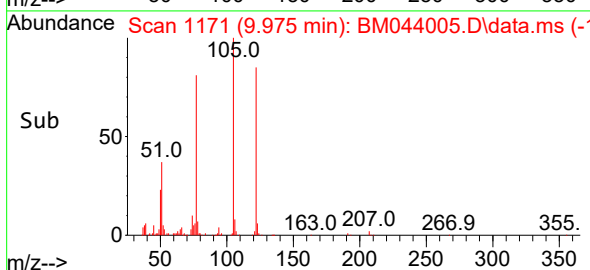
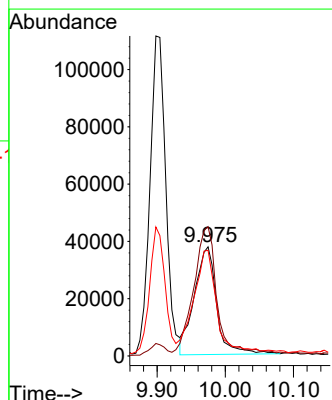
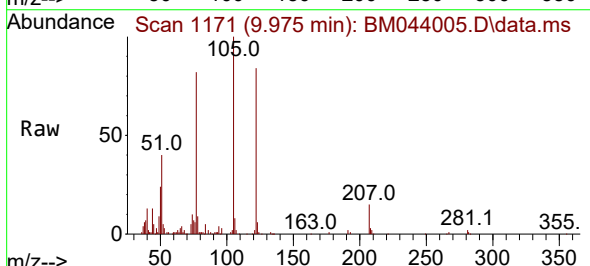
Tgt Ion:122 Resp: 85625

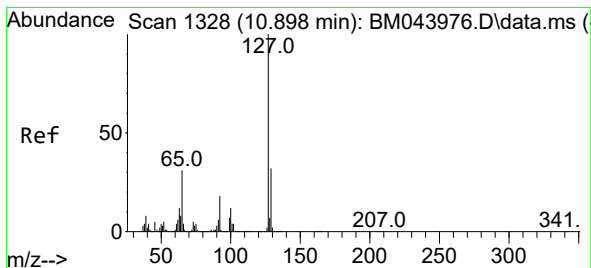
Ion Ratio Lower Upper

122 100

105 118.5 109.4 149.4

77 96.9 80.5 120.5





#33

4-Chloroaniline

Concen: 6.726 ng

RT: 10.892 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:127 Resp: 321681

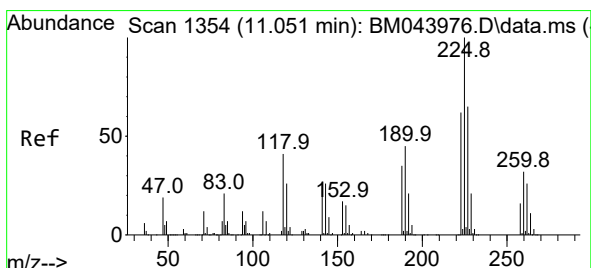
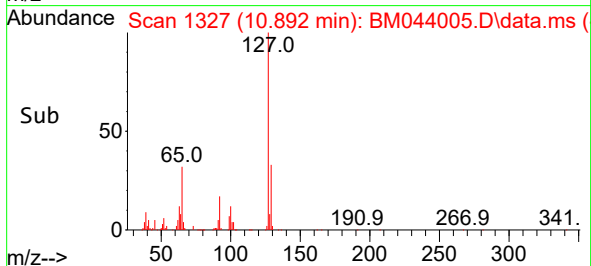
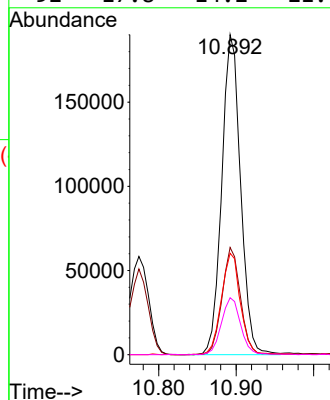
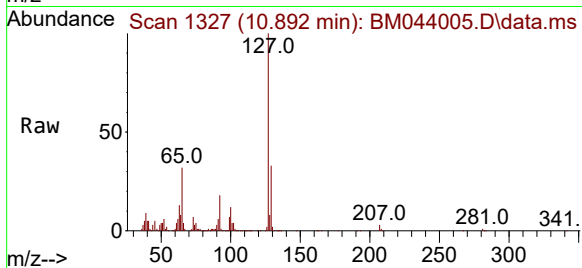
Ion Ratio Lower Upper

127 100

129 33.5 25.6 38.4

65 31.7 24.5 36.7

92 17.8 14.2 21.4



#34

Hexachlorobutadiene

Concen: 6.816 ng

RT: 11.051 min Scan# 1354

Delta R.T. -0.000 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

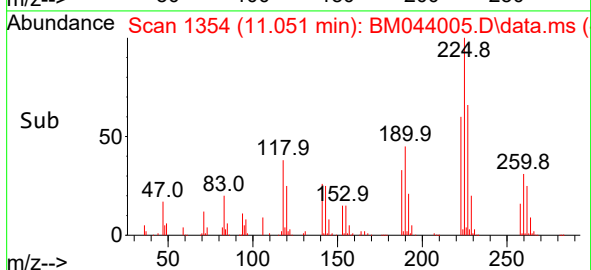
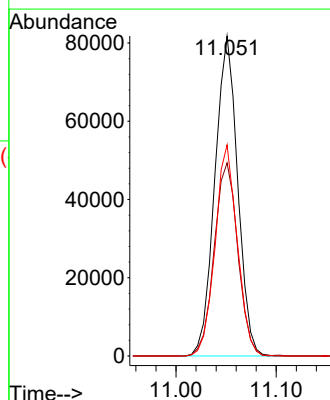
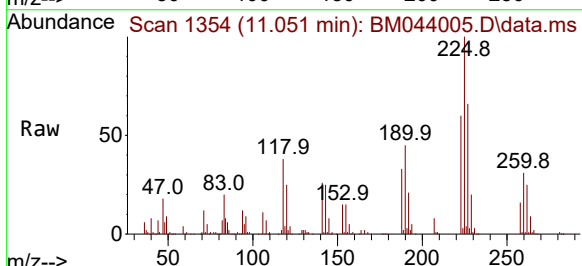
Tgt Ion:225 Resp: 129142

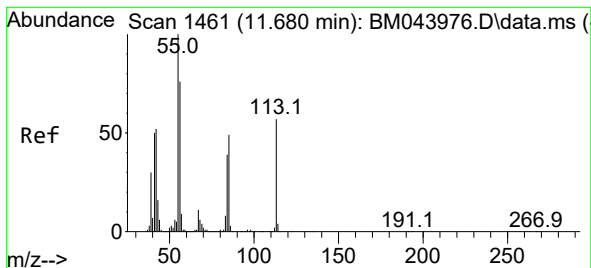
Ion Ratio Lower Upper

225 100

223 60.4 49.8 74.8

227 66.0 51.7 77.5

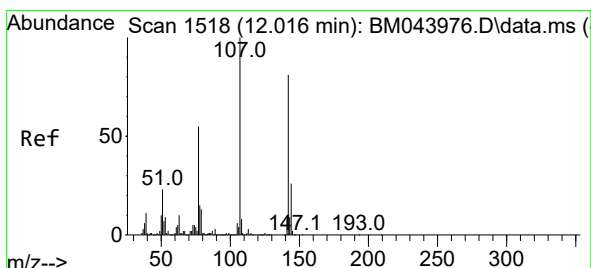
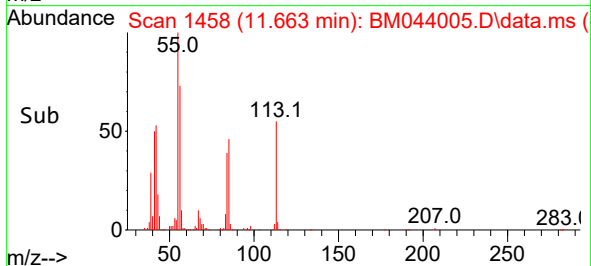
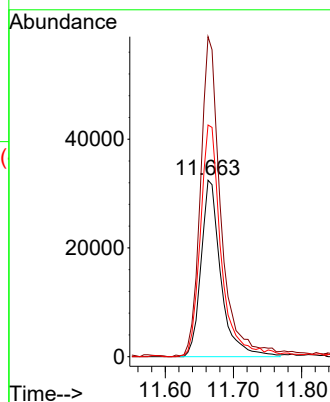
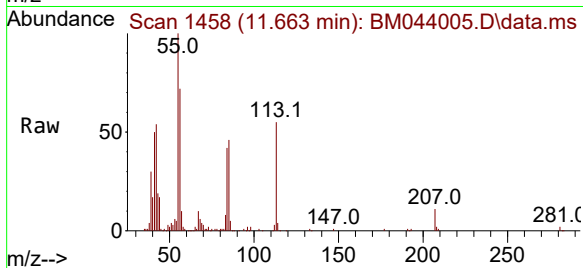




#35
 Caprolactam
 Concen: 5.205 ng
 RT: 11.663 min Scan# 1461
 Delta R.T. -0.018 min
 Lab File: BM044005.D
 Acq: 07 Feb 2024 00:19

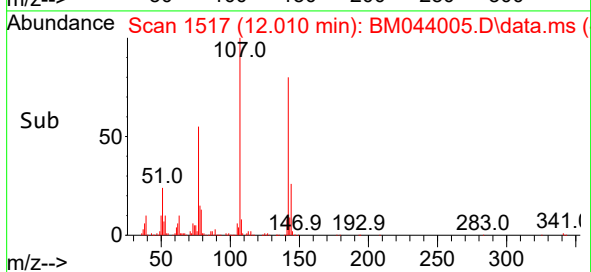
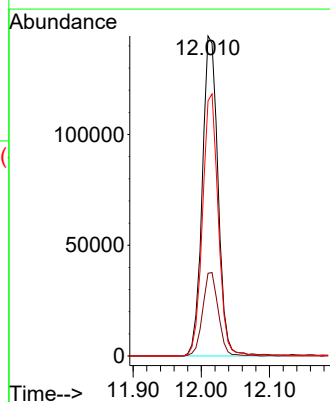
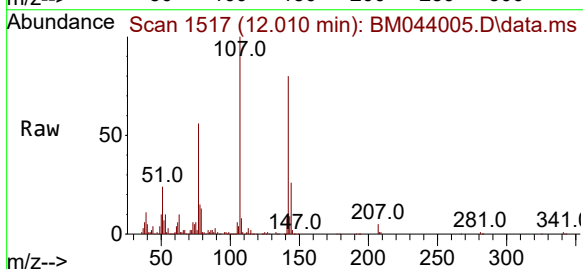
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

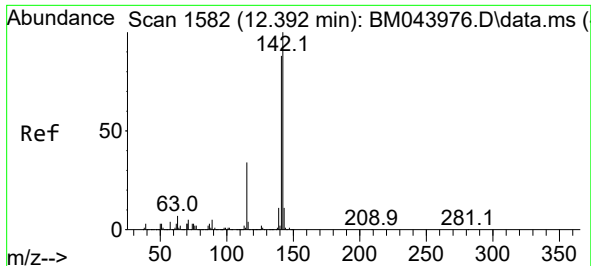
Tgt Ion:113 Resp: 65648
 Ion Ratio Lower Upper
 113 100
 55 181.3 154.3 194.3
 56 131.3 112.2 152.2



#36
 4-Chloro-3-methylphenol
 Concen: 6.179 ng
 RT: 12.010 min Scan# 1517
 Delta R.T. -0.006 min
 Lab File: BM044005.D
 Acq: 07 Feb 2024 00:19

Tgt Ion:107 Resp: 232706
 Ion Ratio Lower Upper
 107 100
 144 25.9 21.1 31.7
 142 79.7 65.0 97.4





#37

2-Methylnaphthalene

Concen: 6.487 ng

RT: 12.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

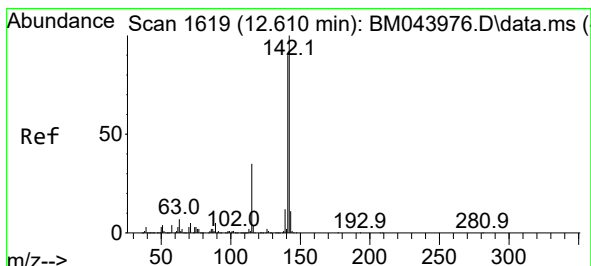
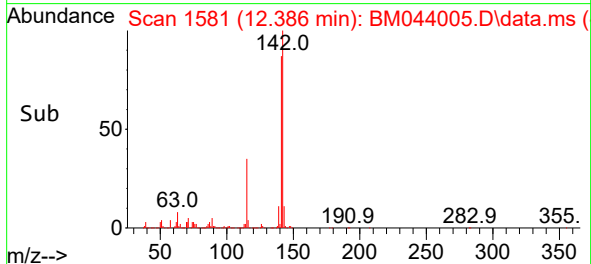
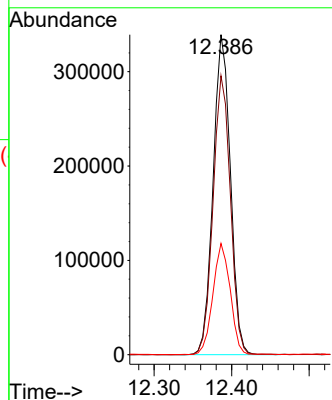
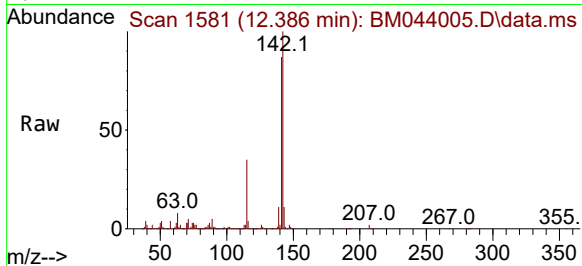
Tgt Ion:142 Resp: 526442

Ion Ratio Lower Upper

142 100

141 87.2 70.2 105.2

115 34.7 27.2 40.8



#38

1-Methylnaphthalene

Concen: 6.433 ng

RT: 12.604 min Scan# 1618

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

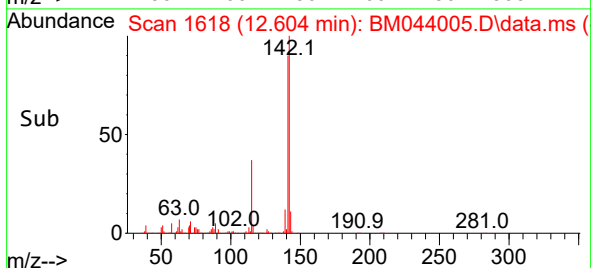
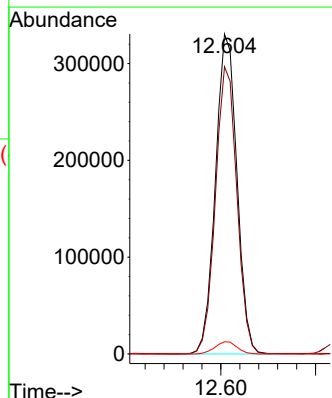
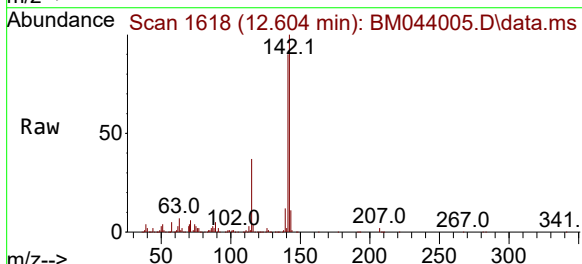
Tgt Ion:142 Resp: 521098

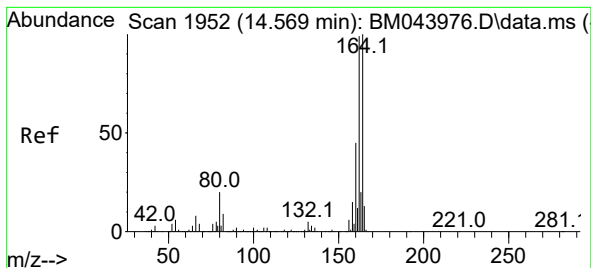
Ion Ratio Lower Upper

142 100

141 89.8 72.1 108.1

116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1951

Delta R.T. -0.007 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

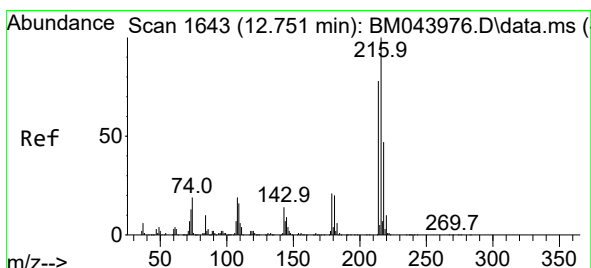
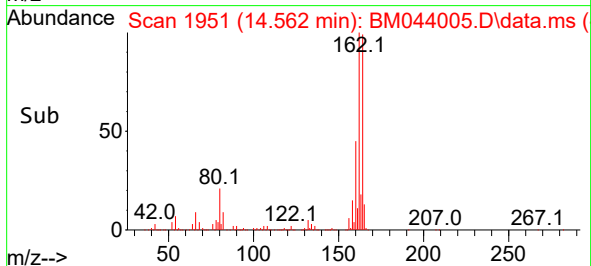
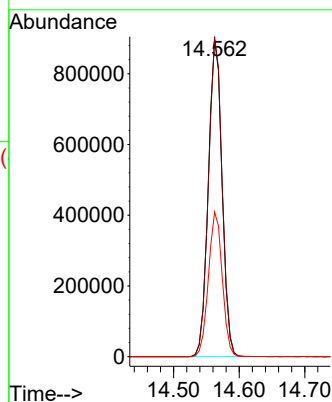
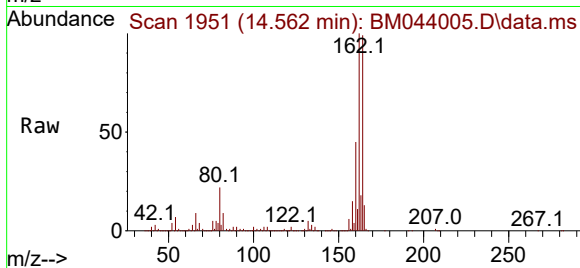
Tgt Ion:164 Resp: 1306566

Ion Ratio Lower Upper

164 100

162 101.1 79.0 118.4

160 45.7 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.009 ng

RT: 12.751 min Scan# 1643

Delta R.T. -0.000 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Tgt Ion:216 Resp: 259739

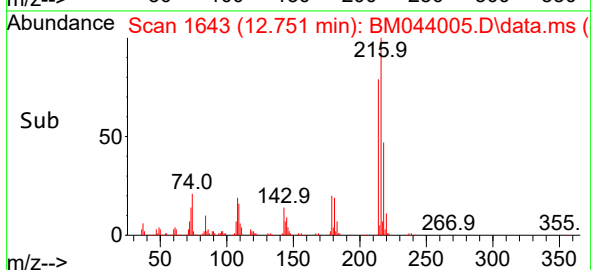
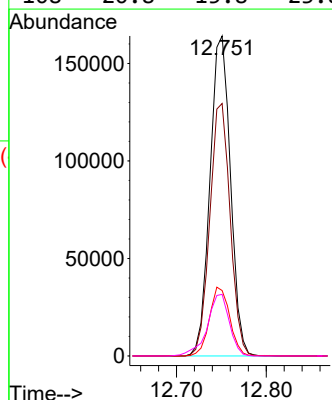
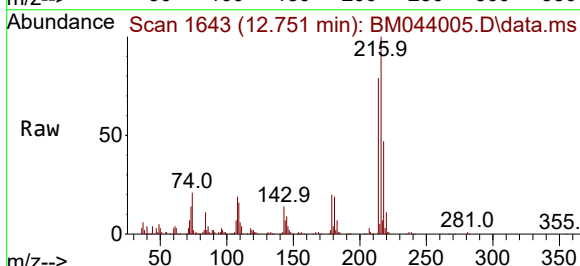
Ion Ratio Lower Upper

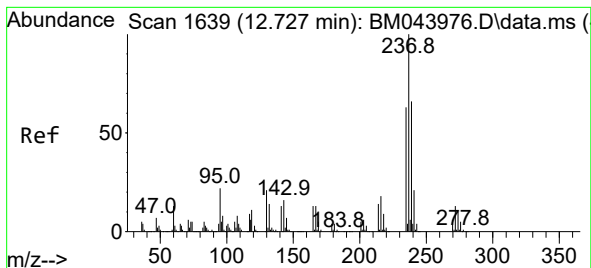
216 100

214 78.5 62.6 94.0

179 21.3 16.7 25.1

108 20.8 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 9.032 ng

RT: 12.721 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

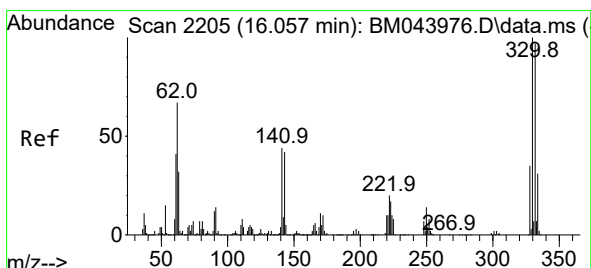
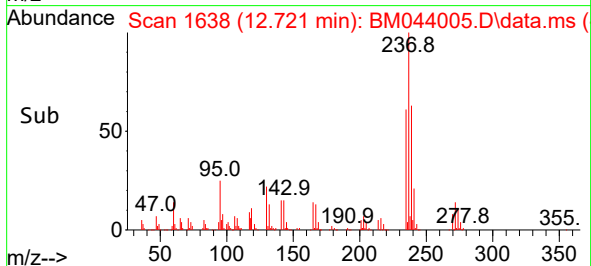
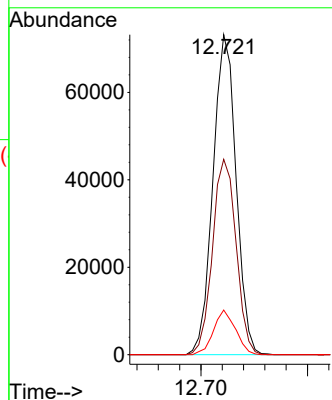
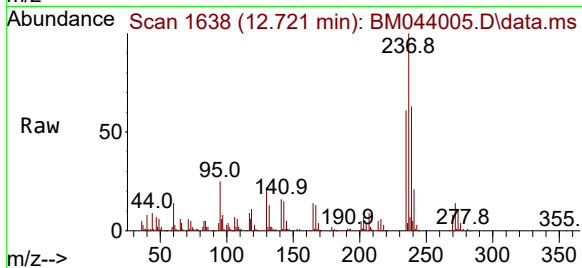
Tgt Ion:237 Resp: 110084

Ion Ratio Lower Upper

237 100

235 61.0 43.5 83.5

272 13.9 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 91.411 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

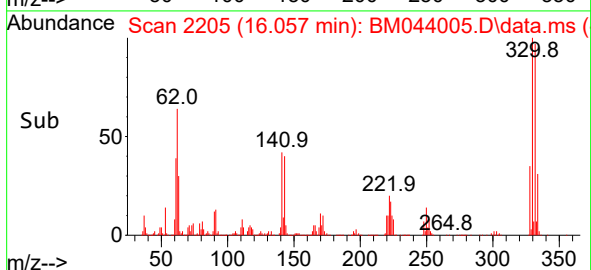
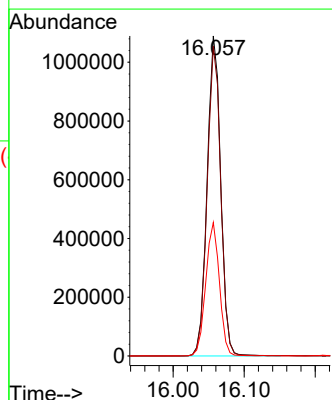
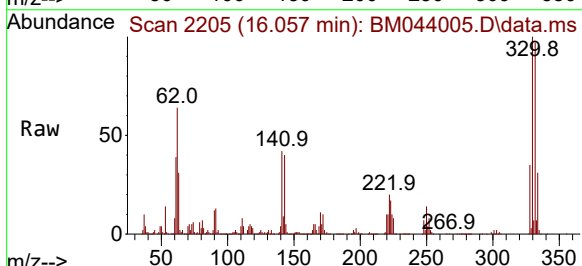
Tgt Ion:330 Resp: 1455895

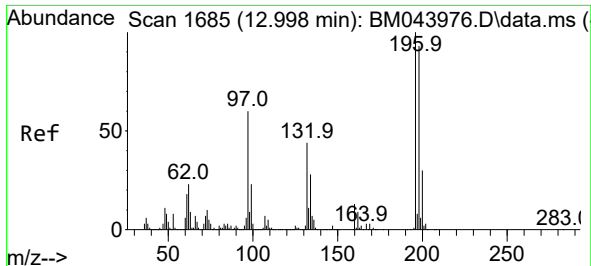
Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 41.9 33.5 50.3

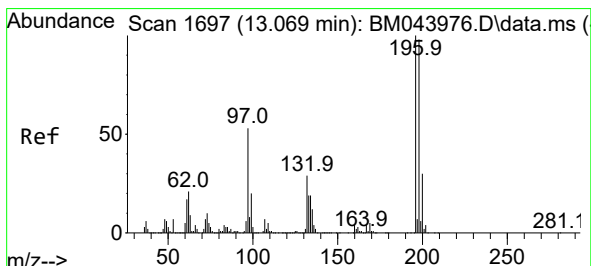
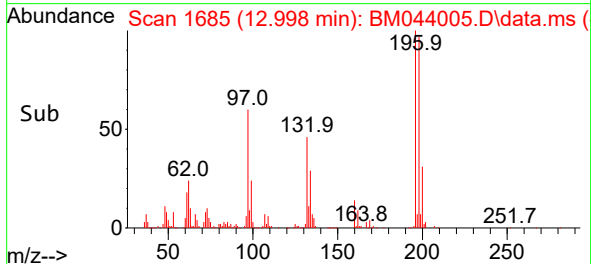
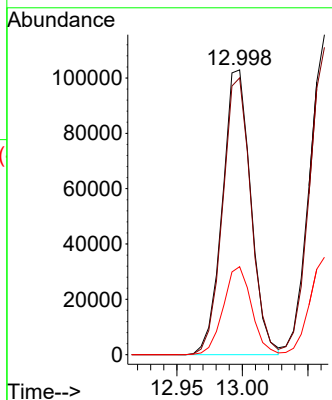
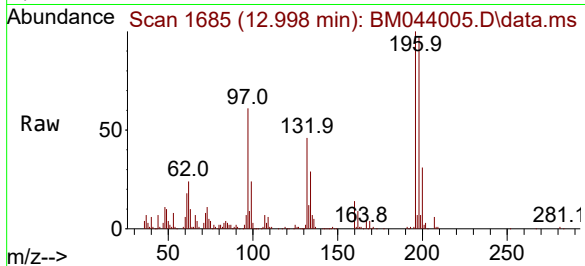




#43
2,4,6-Trichlorophenol
Concen: 6.212 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

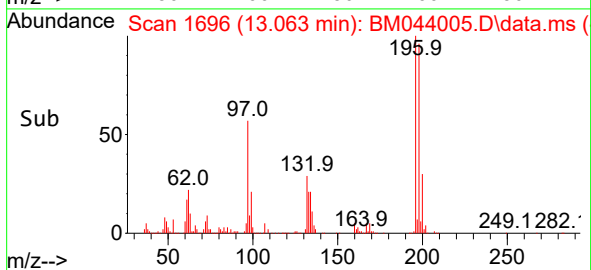
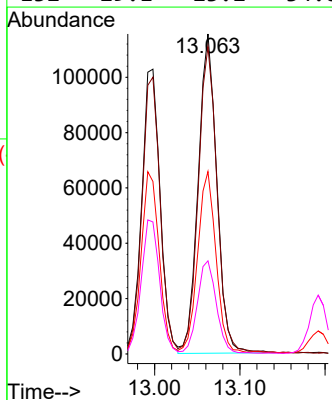
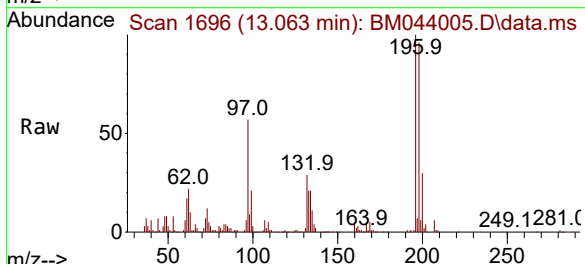
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

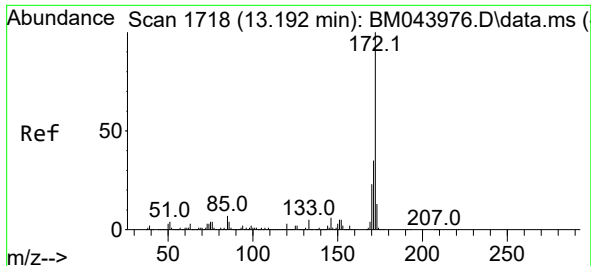
Tgt Ion:196 Resp: 155558
Ion Ratio Lower Upper
196 100
198 97.2 74.2 111.2
200 30.9 23.8 35.8



#44
2,4,5-Trichlorophenol
Concen: 6.137 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:196 Resp: 175331
Ion Ratio Lower Upper
196 100
198 96.1 78.1 117.1
97 57.0 42.2 63.2
132 29.1 23.2 34.8

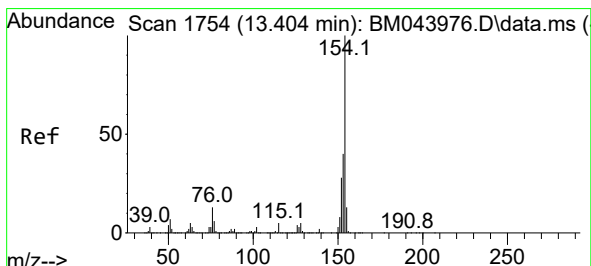
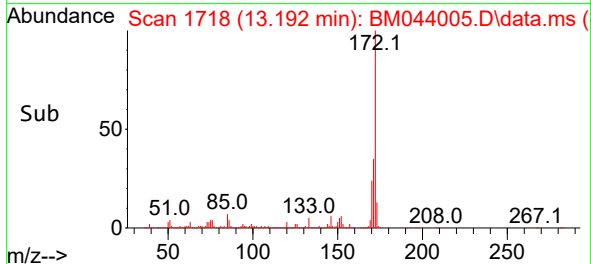
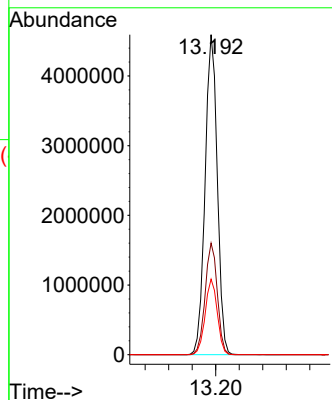
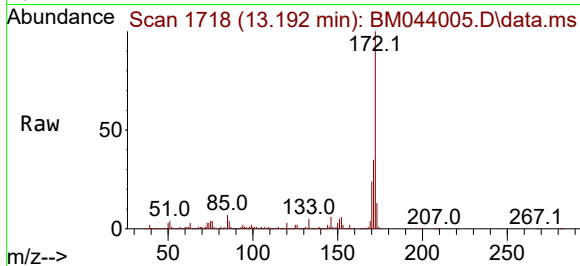




#45
2-Fluorobiphenyl
Concen: 69.838 ng
RT: 13.192 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

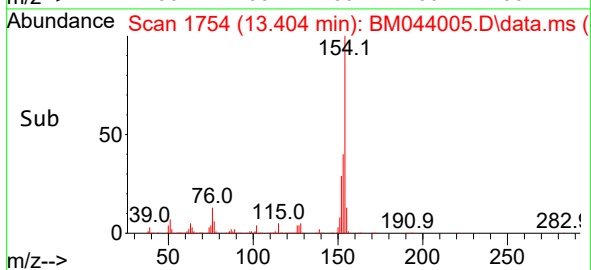
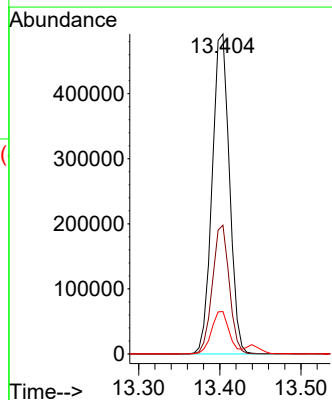
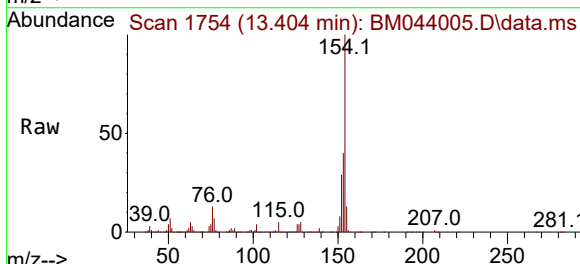
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

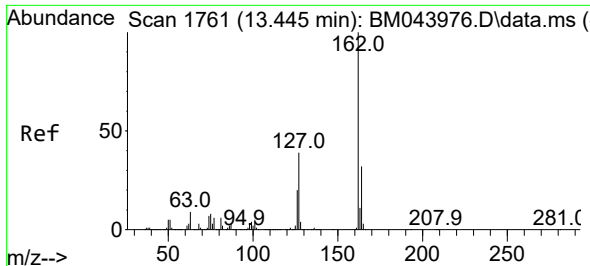
Tgt Ion:172 Resp: 6640716
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.6 18.6 28.0



#46
1,1'-Biphenyl
Concen: 7.080 ng
RT: 13.404 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:154 Resp: 727479
Ion Ratio Lower Upper
154 100
153 40.3 19.8 59.8
76 13.2 0.0 33.0

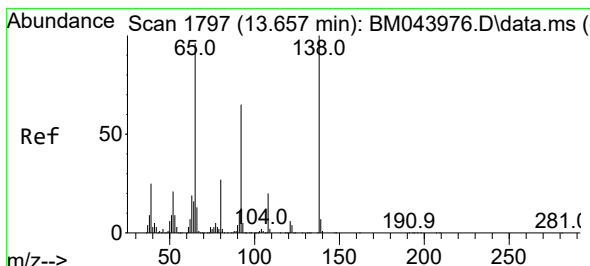
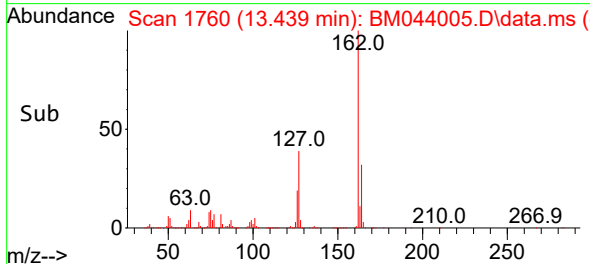
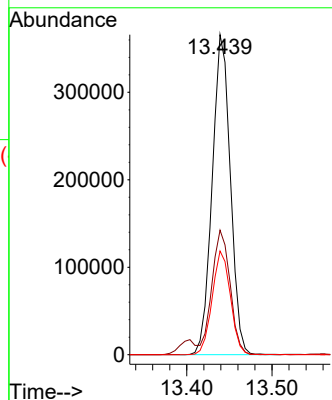
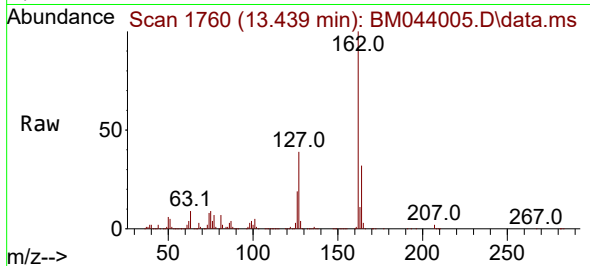




#47
2-Chloronaphthalene
Concen: 6.614 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

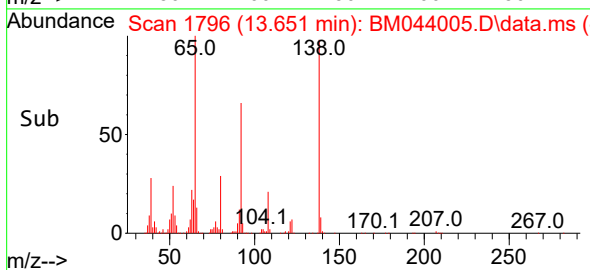
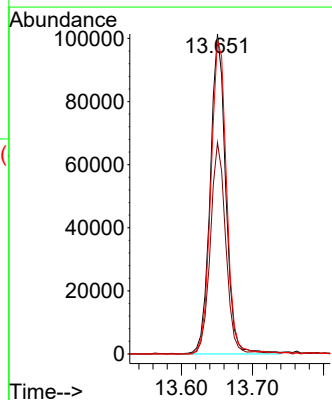
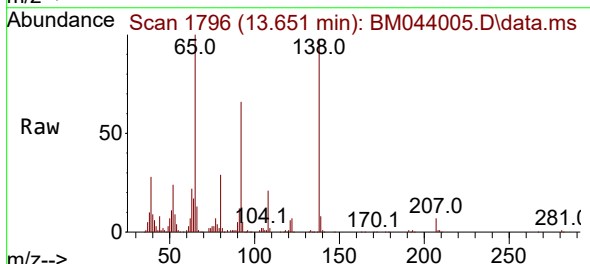
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

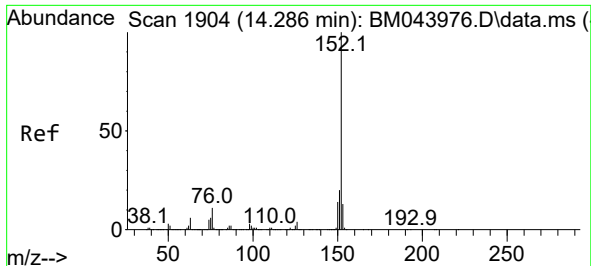
Tgt Ion:162 Resp: 541929
Ion Ratio Lower Upper
162 100
127 38.9 31.0 46.6
164 32.4 25.8 38.6



#48
2-Nitroaniline
Concen: 5.788 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion: 65 Resp: 154252
Ion Ratio Lower Upper
65 100
92 66.1 53.6 80.4
138 98.2 83.0 124.6

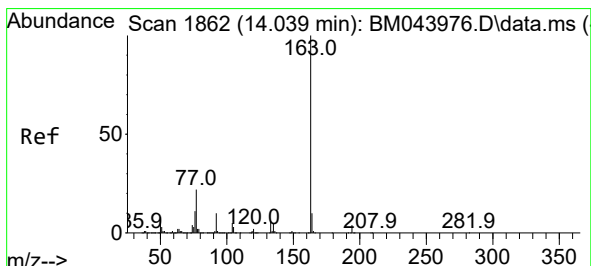
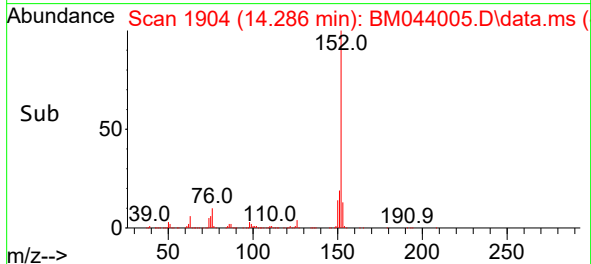
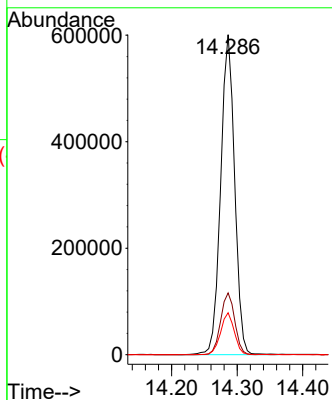
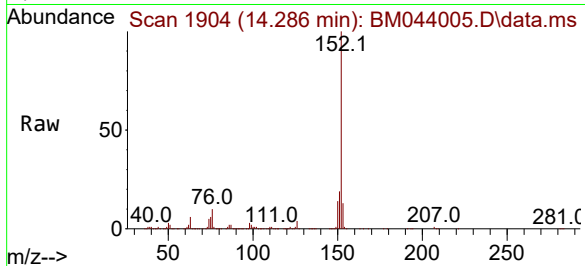




#49
Acenaphthylene
Concen: 7.065 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

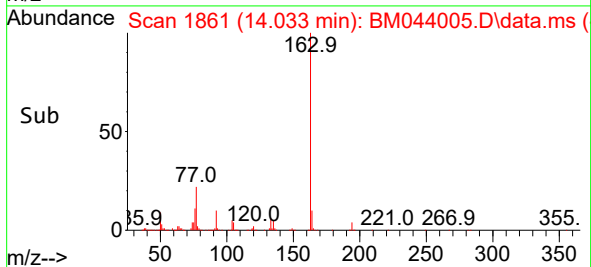
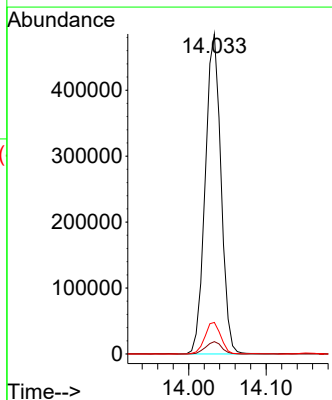
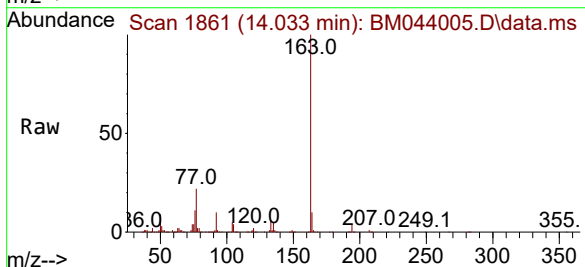
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

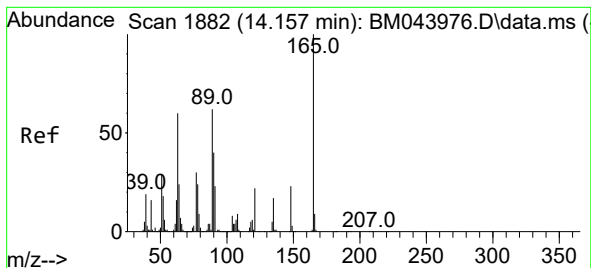
Tgt Ion:152 Resp: 884948
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 6.731 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:163 Resp: 683073
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.989 ng

RT: 14.151 min Scan# 1882

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

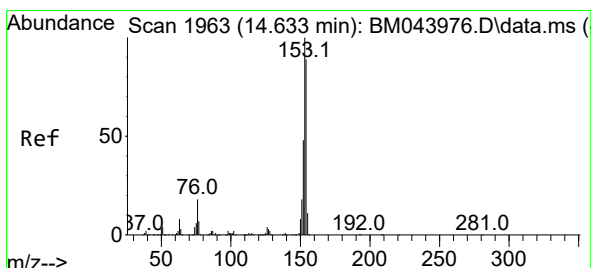
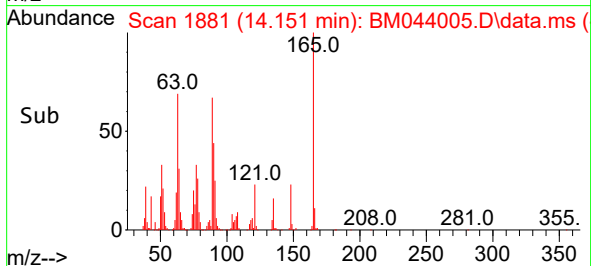
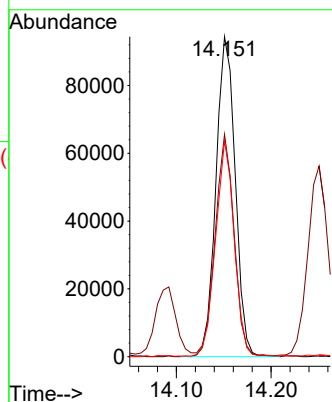
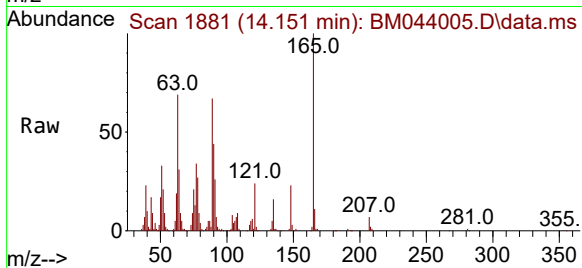
Tgt Ion:165 Resp: 133603

Ion Ratio Lower Upper

165 100

63 69.5 51.1 76.7

89 67.5 49.5 74.3



#52

Acenaphthene

Concen: 6.510 ng

RT: 14.627 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

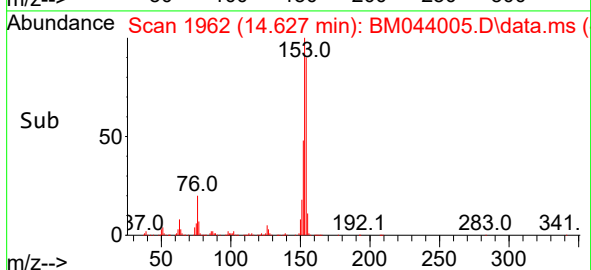
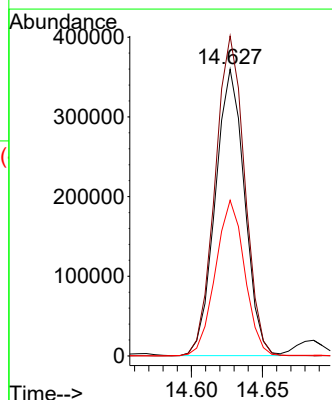
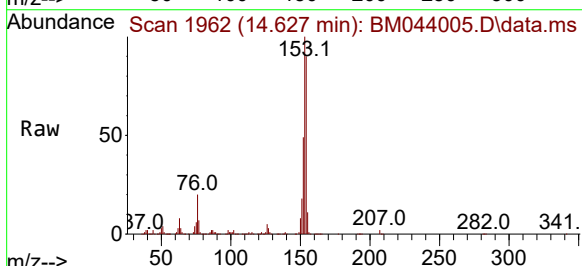
Tgt Ion:154 Resp: 516935

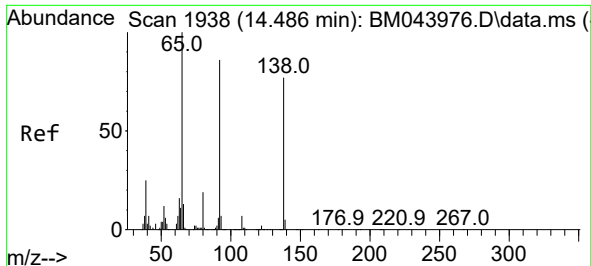
Ion Ratio Lower Upper

154 100

153 111.6 90.1 135.1

152 54.3 43.6 65.4

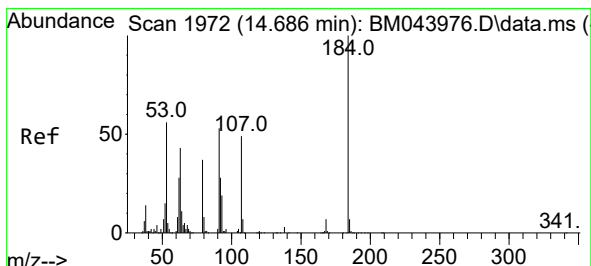
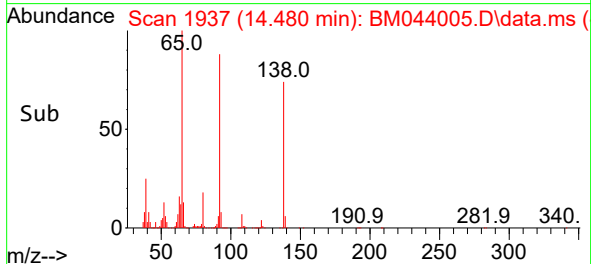
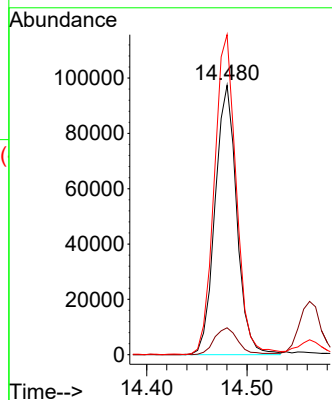
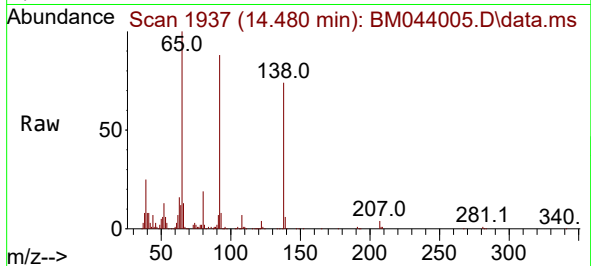




#53
3-Nitroaniline
Concen: 5.656 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

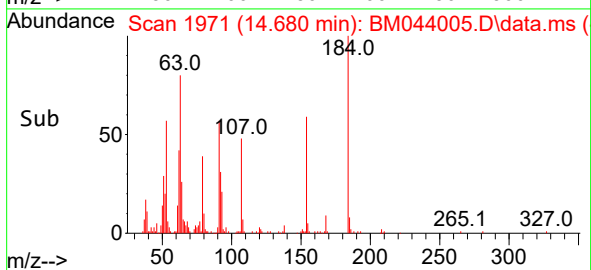
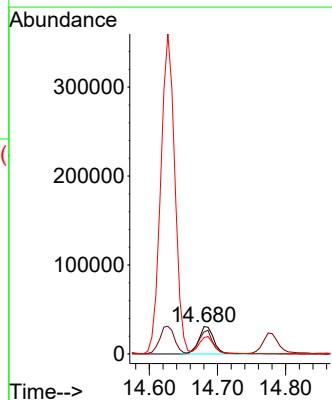
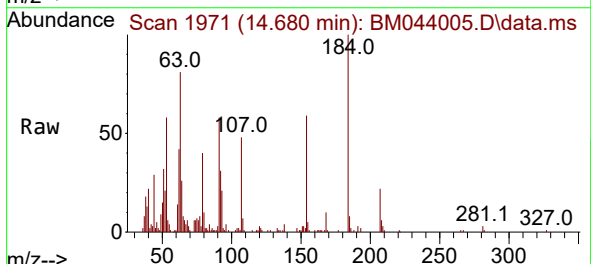
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

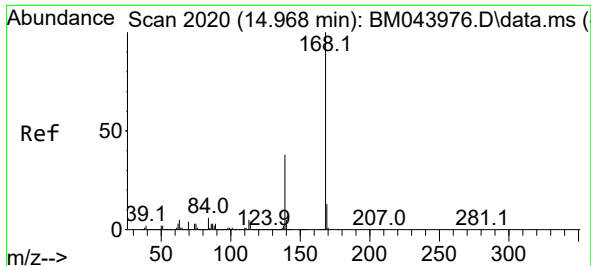
Tgt Ion:138 Resp: 146474
Ion Ratio Lower Upper
138 100
108 10.0 7.8 11.6
92 118.8 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 10.547 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:184 Resp: 47678
Ion Ratio Lower Upper
184 100
63 80.5 62.8 94.2
154 59.4 51.4 77.2

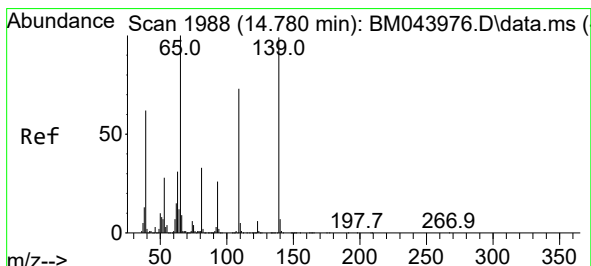
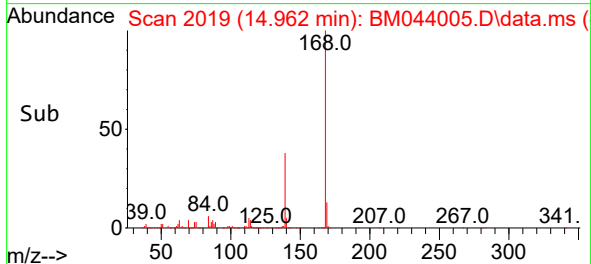
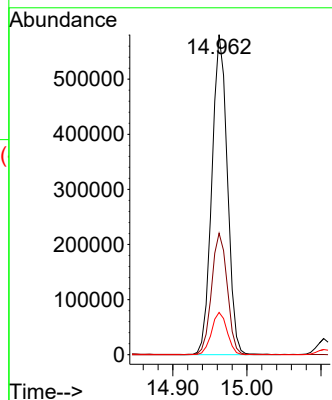
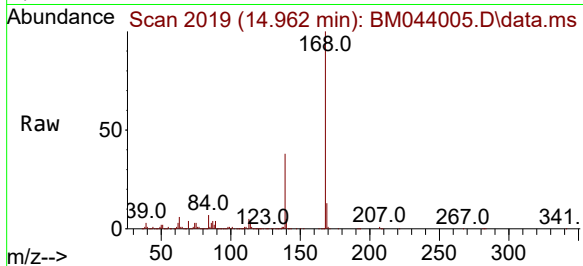




#55
Dibenzofuran
Concen: 6.817 ng
RT: 14.962 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

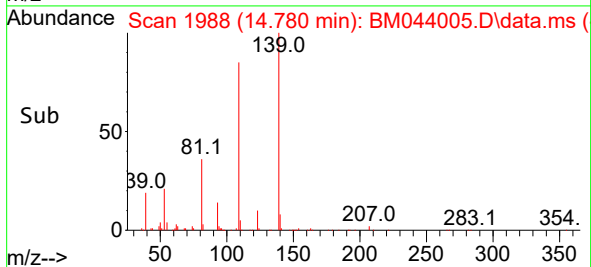
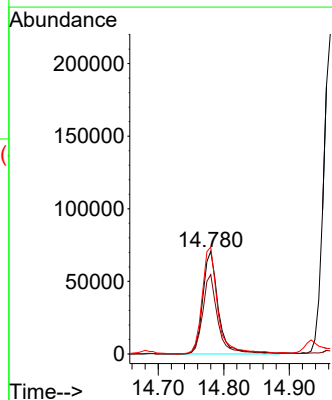
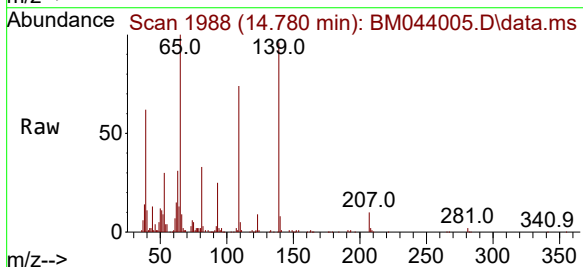
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

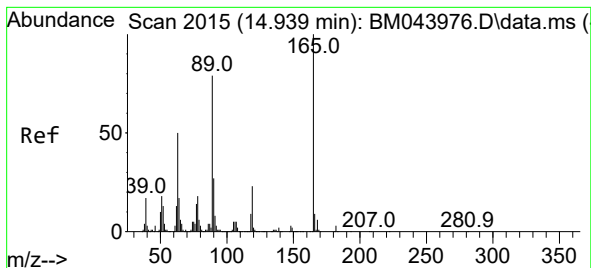
Tgt Ion:168 Resp: 842395
Ion Ratio Lower Upper
168 100
139 37.9 30.7 46.1
169 13.2 10.5 15.7



#56
4-Nitrophenol
Concen: 5.153 ng
RT: 14.780 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:139 Resp: 116627
Ion Ratio Lower Upper
139 100
109 77.4 53.2 93.2
65 104.2 80.7 120.7

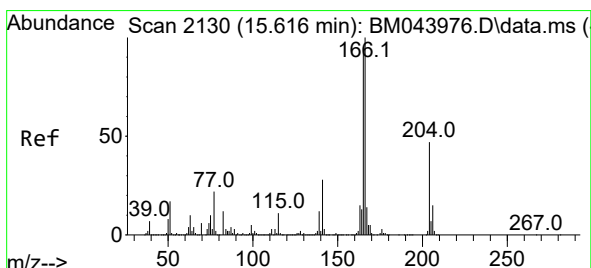
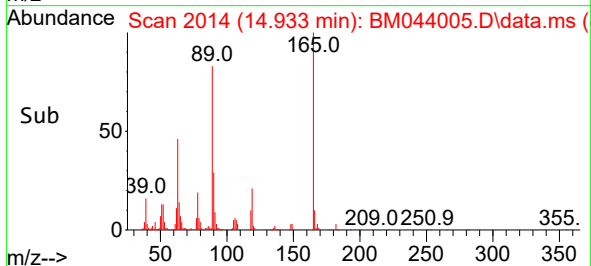
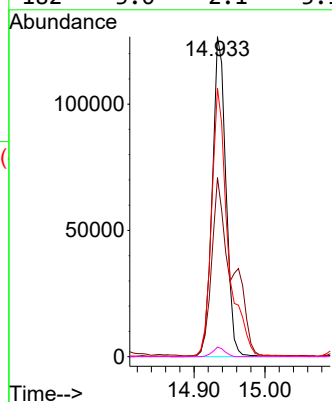
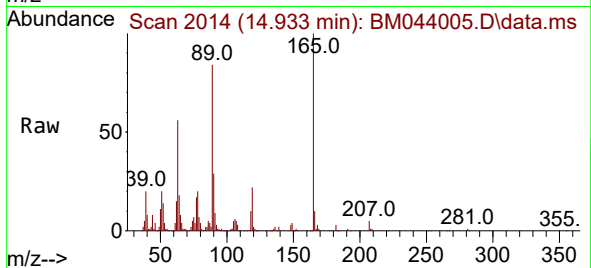




#57
2,4-Dinitrotoluene
Concen: 5.455 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

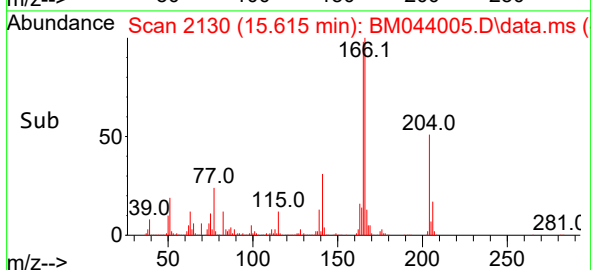
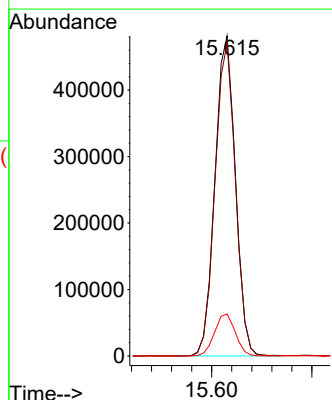
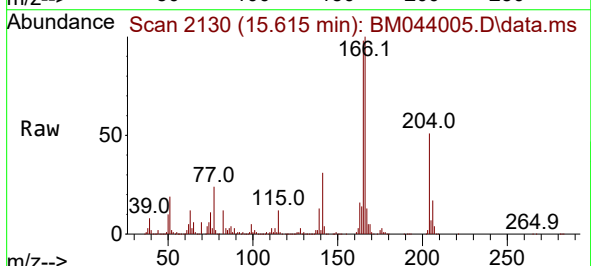
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

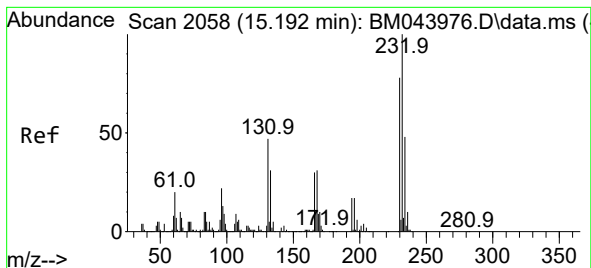
Tgt Ion:165 Resp: 169415
Ion Ratio Lower Upper
165 100
63 56.0 40.2 60.4
89 83.9 63.3 94.9
182 3.0 2.1 3.1



#58
Fluorene
Concen: 6.518 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:166 Resp: 680133
Ion Ratio Lower Upper
166 100
165 97.9 76.3 114.5
167 13.1 10.9 16.3

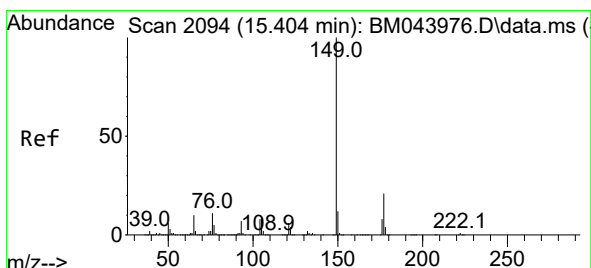
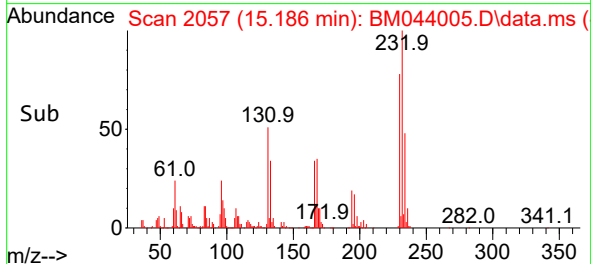
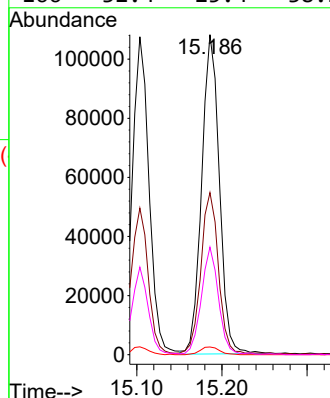
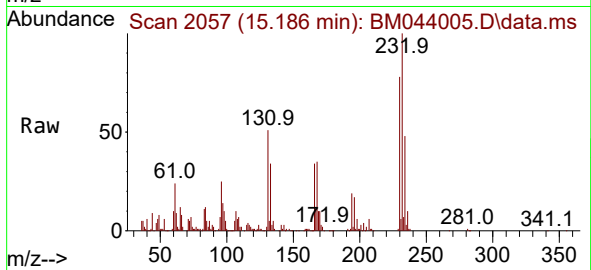




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.326 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

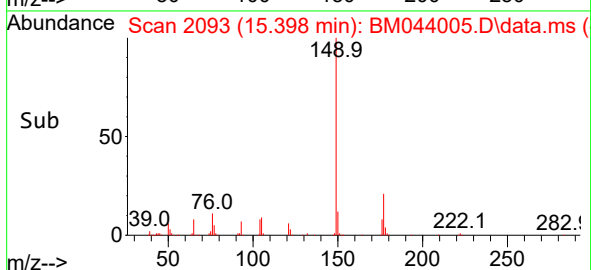
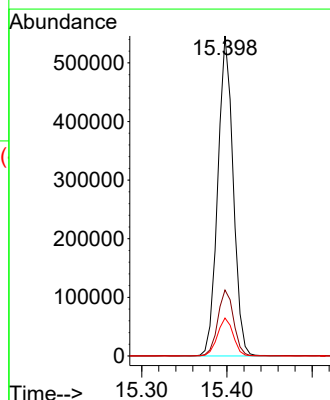
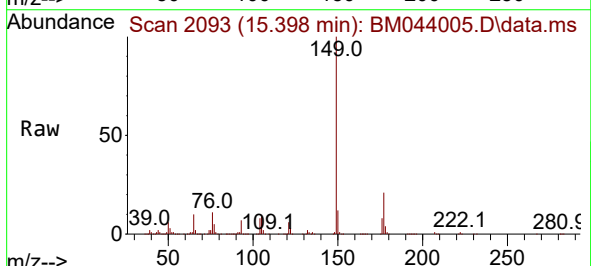
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

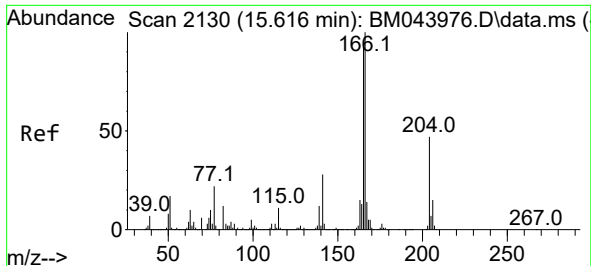
Tgt Ion:232 Resp: 155813
Ion Ratio Lower Upper
232 100
131 50.1 39.8 59.6
130 2.7 2.0 3.0
166 32.4 25.4 38.2



#60
Diethylphthalate
Concen: 6.508 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:149 Resp: 683768
Ion Ratio Lower Upper
149 100
177 20.6 17.1 25.7
150 11.8 9.8 14.6

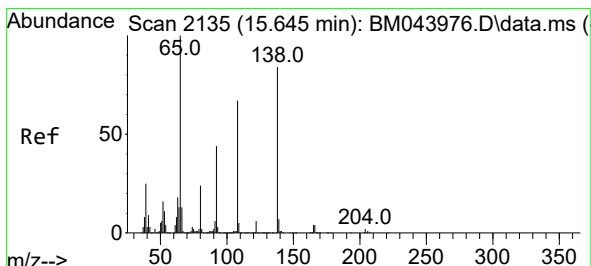
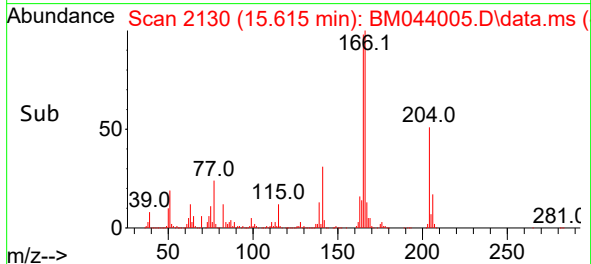
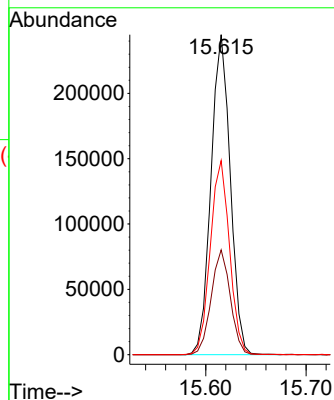
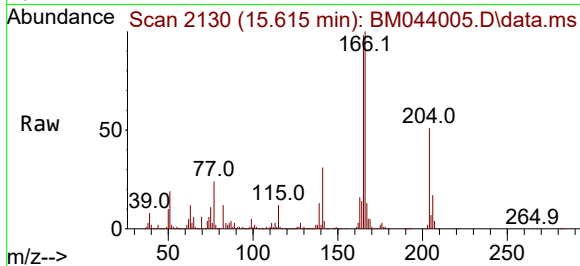




#61
4-Chlorophenyl-phenylether
Concen: 6.705 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

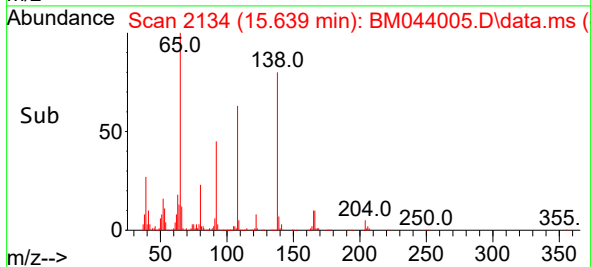
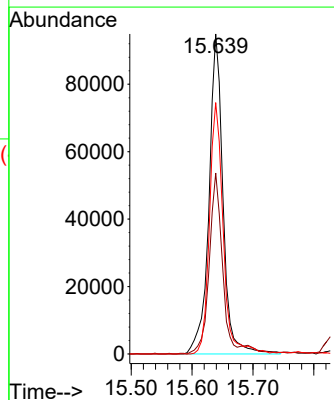
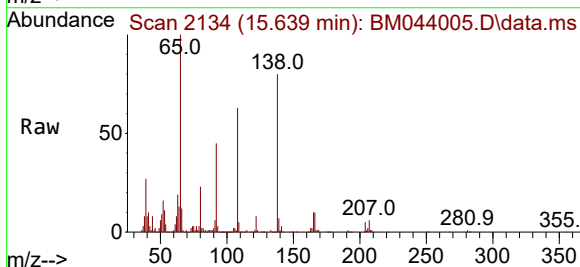
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

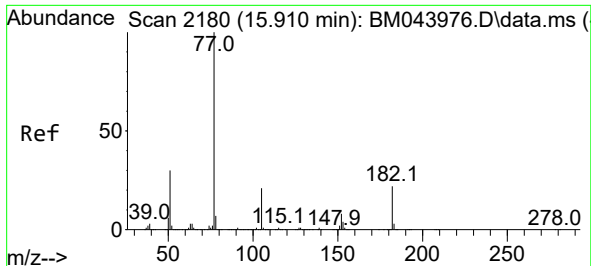
Tgt Ion:204 Resp: 326457
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 60.7 48.6 72.8



#62
4-Nitroaniline
Concen: 5.395 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:138 Resp: 152757
Ion Ratio Lower Upper
138 100
92 56.5 32.7 72.7
108 78.5 60.0 100.0

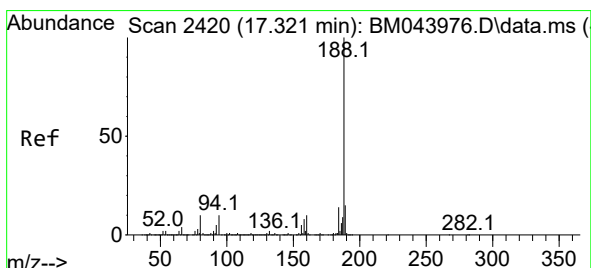
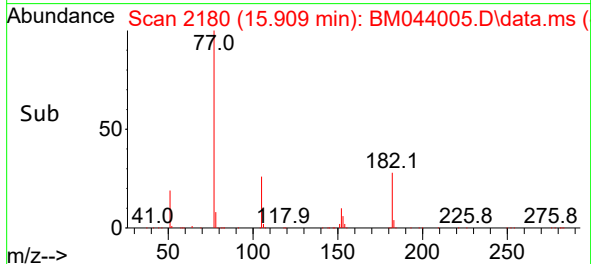
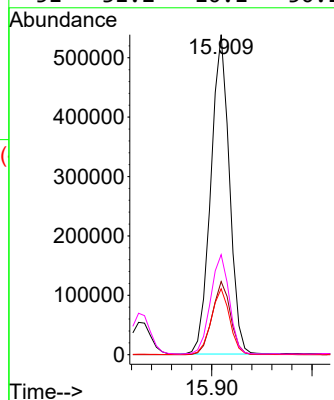
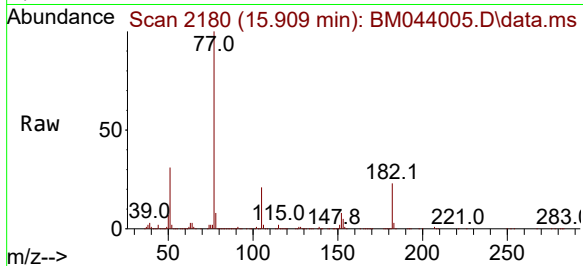




#63
Azobenzene
Concen: 6.605 ng
RT: 15.909 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

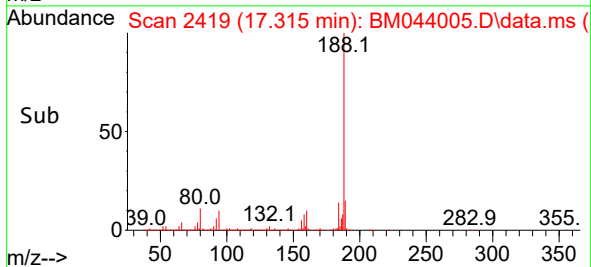
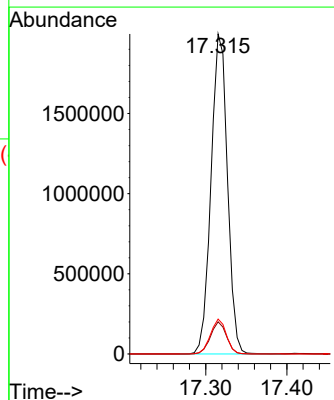
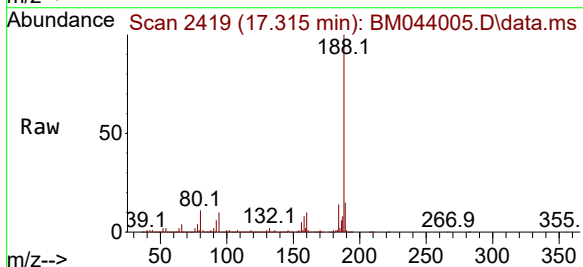
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

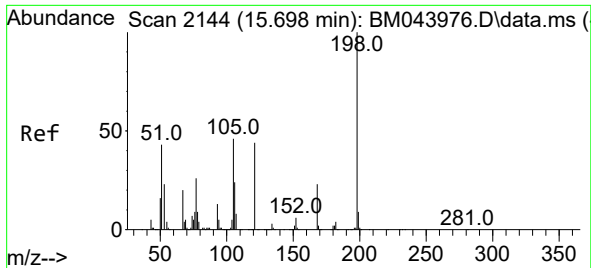
Tgt Ion: 77	Resp: 693139
Ion Ratio	Lower Upper
77 100	
182 22.8	2.0 42.0
105 20.6	0.5 40.5
51 31.2	10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:188	Resp: 2799459		
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.7	11.5
80	10.9	8.2	12.4

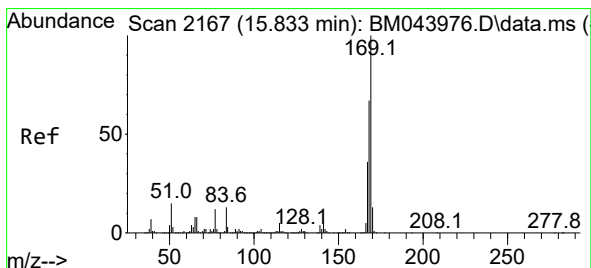
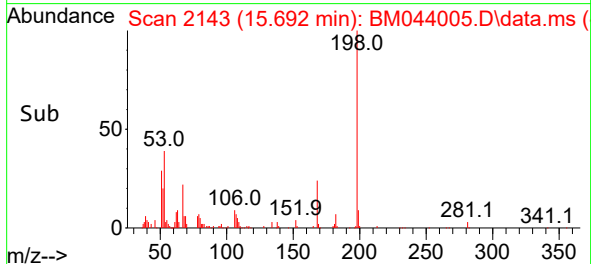
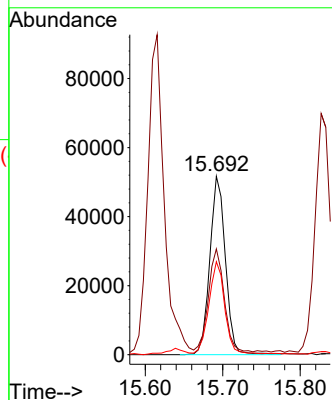
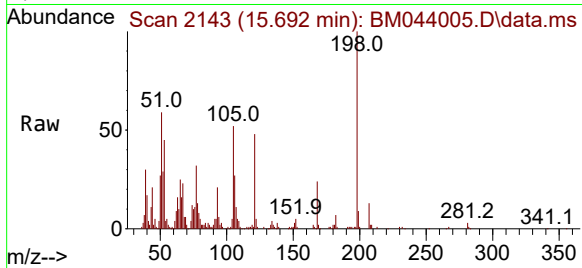




#65
4,6-Dinitro-2-methylphenol
Concen: 9.837 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

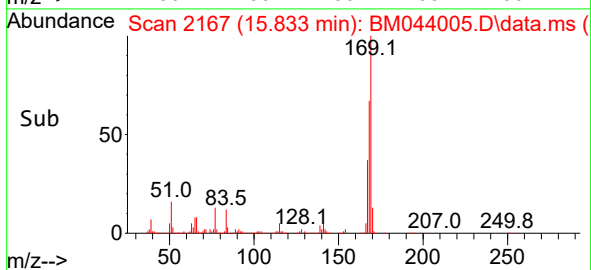
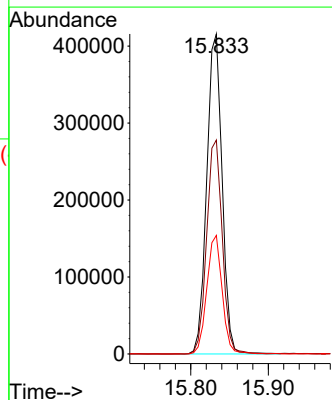
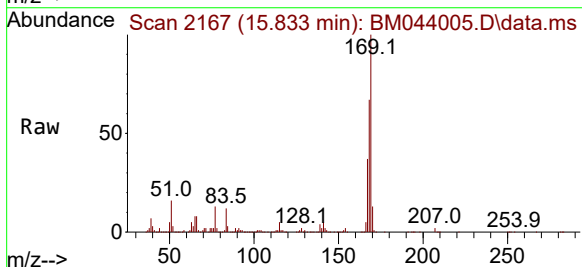
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

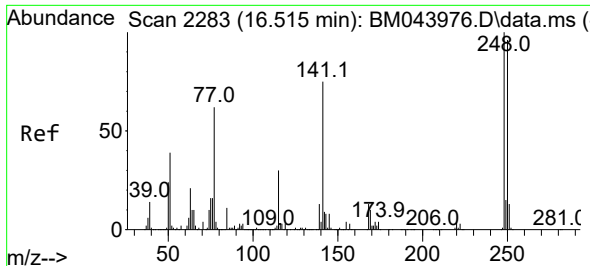
Tgt Ion:198 Resp: 72267
Ion Ratio Lower Upper
198 100
51 59.3 31.9 71.9
105 52.1 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 6.864 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:169 Resp: 572378
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 37.0 29.0 43.4

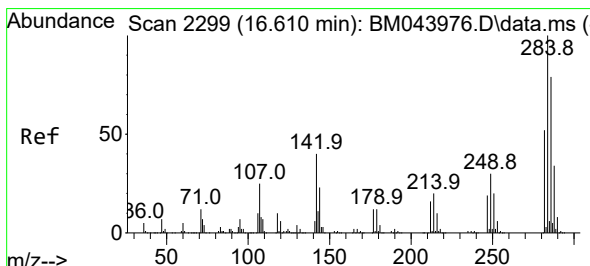
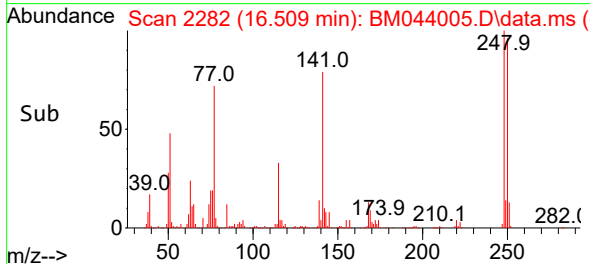
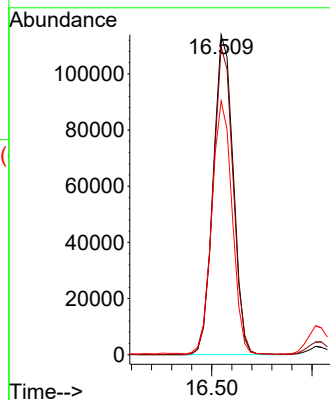
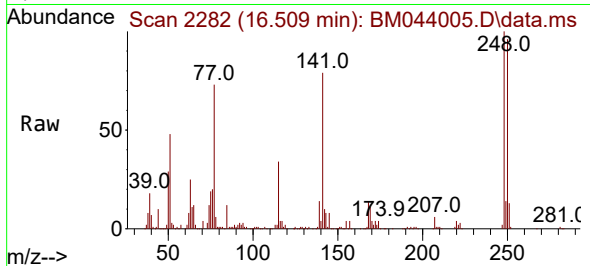




#67
4-Bromophenyl-phenylether
Concen: 5.733 ng
RT: 16.509 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

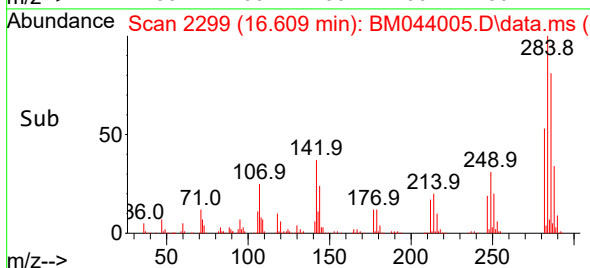
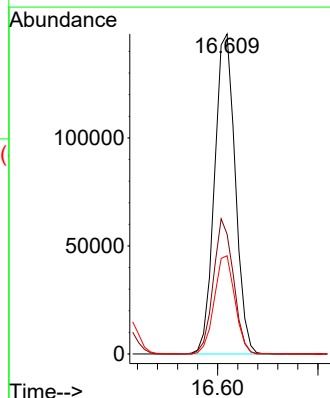
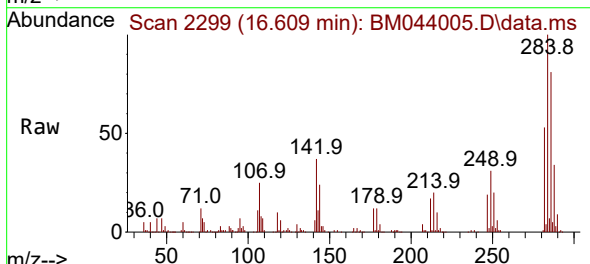
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

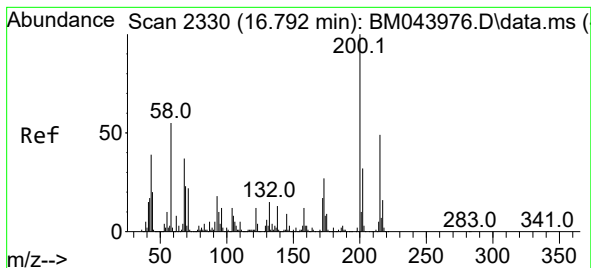
Tgt Ion:248 Resp: 158104
Ion Ratio Lower Upper
248 100
250 96.2 77.0 115.4
141 79.3 59.9 89.9



#68
Hexachlorobenzene
Concen: 6.457 ng
RT: 16.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:284 Resp: 212301
Ion Ratio Lower Upper
284 100
142 37.5 32.2 48.4
249 30.7 24.4 36.6





#69

Atrazine

Concen: 8.064 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

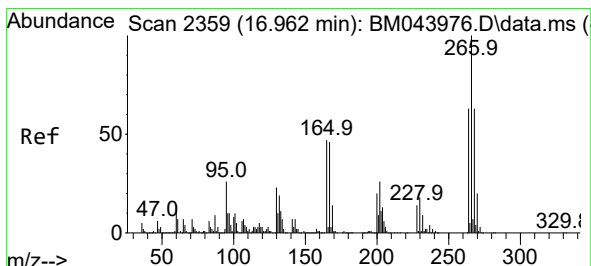
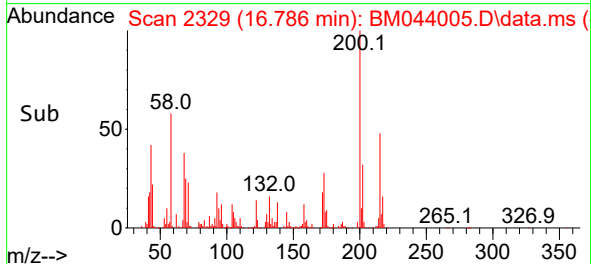
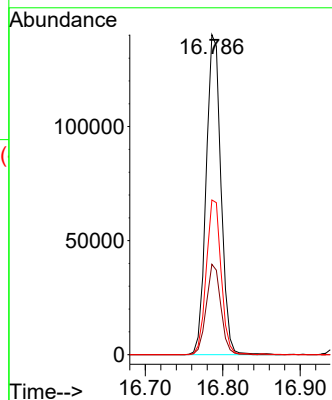
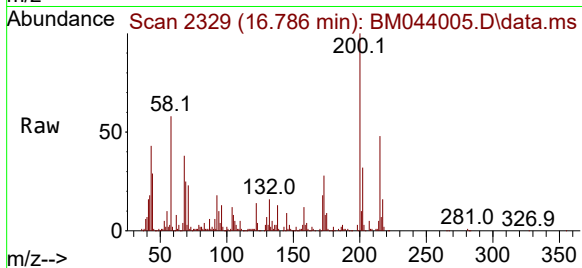
Tgt Ion:200 Resp: 186040

Ion Ratio Lower Upper

200 100

173 28.3 7.3 47.3

215 48.3 28.7 68.7



#70

Pentachlorophenol

Concen: 4.991 ng

RT: 16.956 min Scan# 2358

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

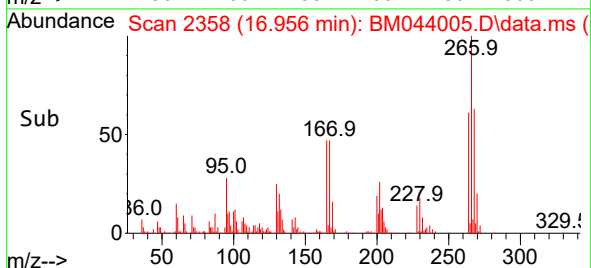
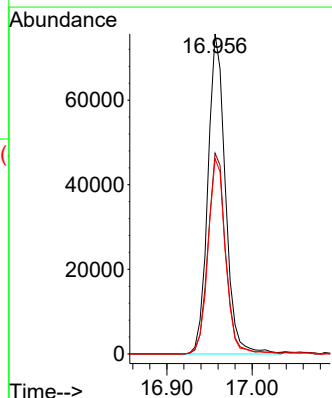
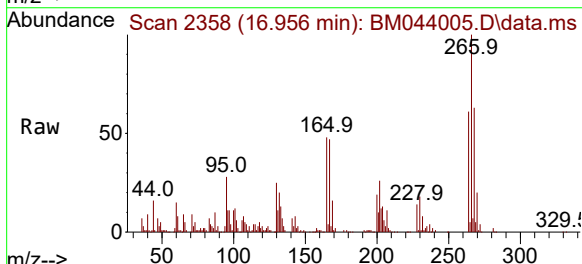
Tgt Ion:266 Resp: 107756

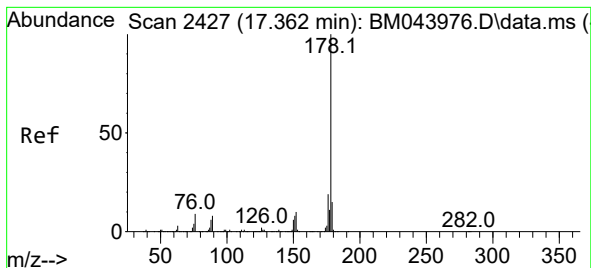
Ion Ratio Lower Upper

266 100

268 62.7 50.6 76.0

264 61.0 50.6 76.0





#71

Phenanthrene

Concen: 6.787 ng

RT: 17.356 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

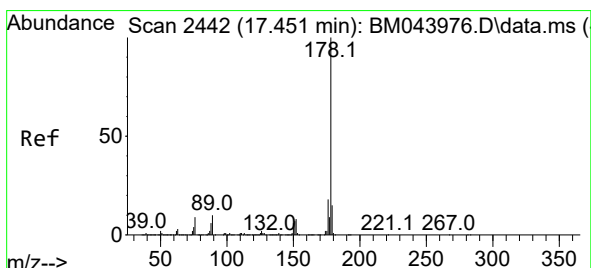
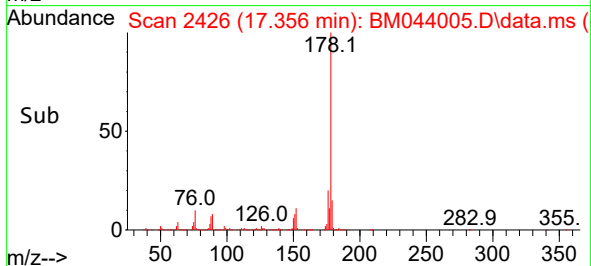
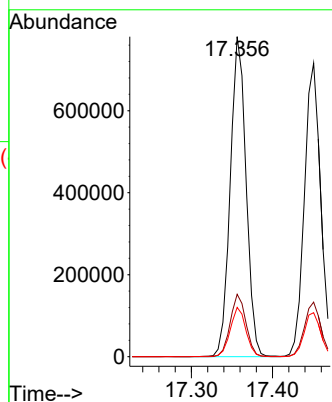
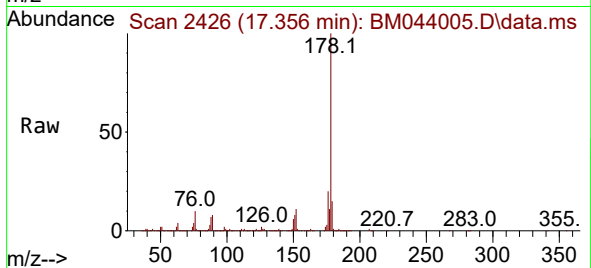
Tgt Ion:178 Resp: 1058215

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.4 12.4 18.6



#72

Anthracene

Concen: 6.596 ng

RT: 17.451 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

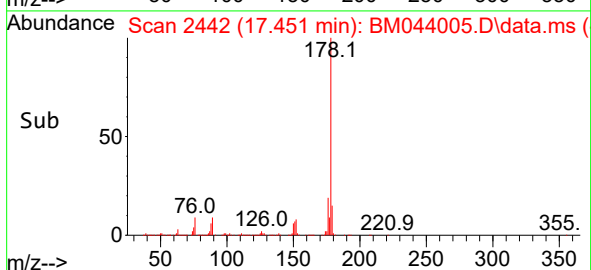
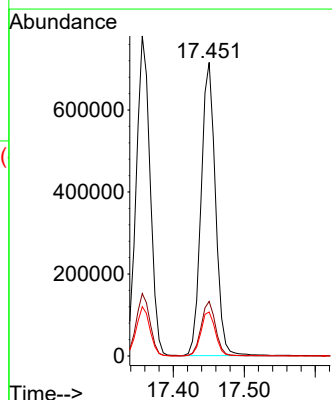
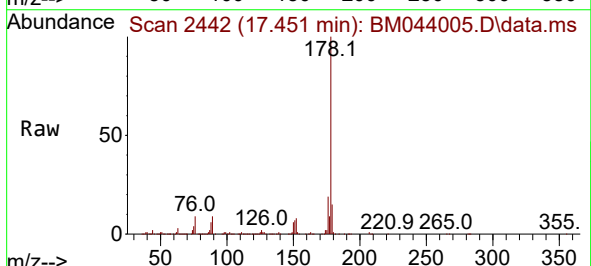
Tgt Ion:178 Resp: 1006847

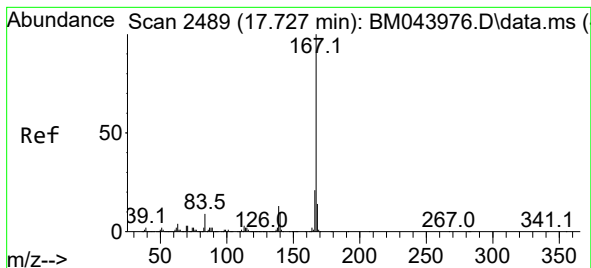
Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

179 15.0 12.2 18.4





#73

Carbazole

Concen: 6.211 ng

RT: 17.727 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

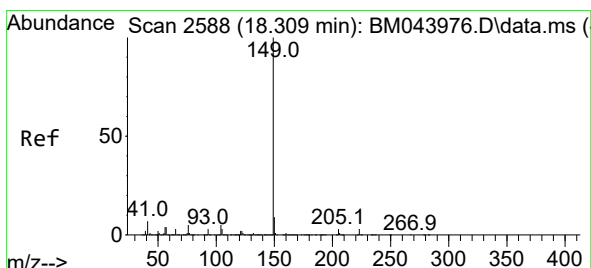
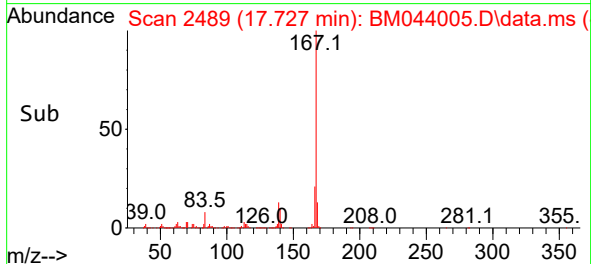
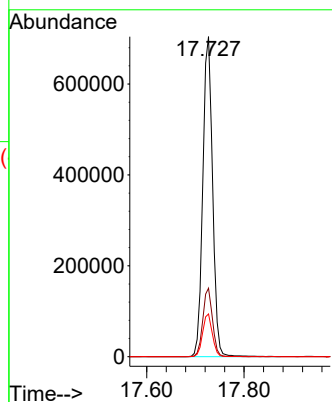
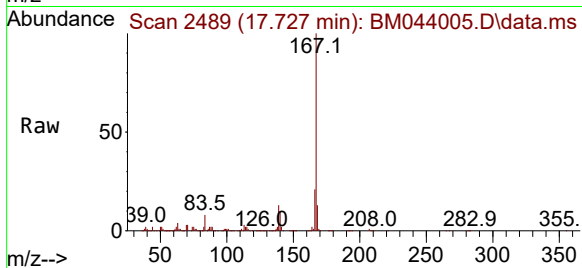
Tgt Ion:167 Resp: 981919

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 13.3 10.6 15.8



#74

Di-n-butylphthalate

Concen: 6.484 ng

RT: 18.303 min Scan# 2587

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

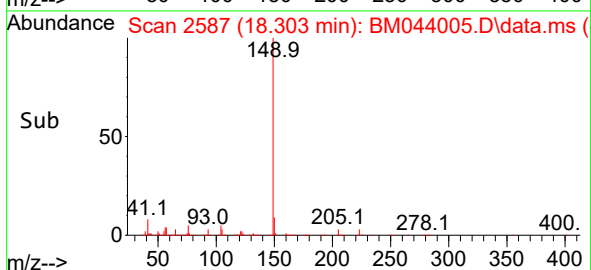
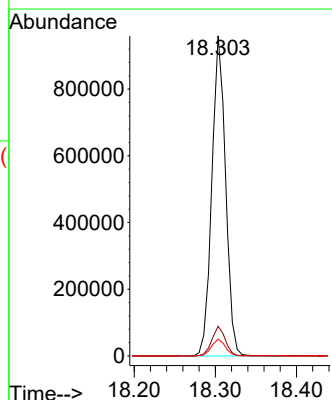
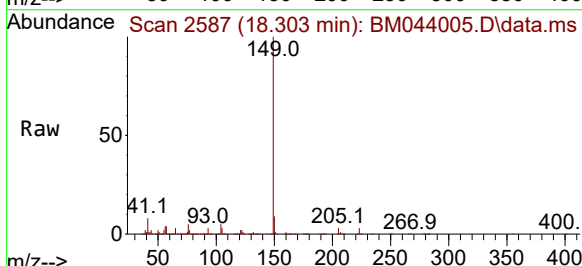
Tgt Ion:149 Resp: 1124299

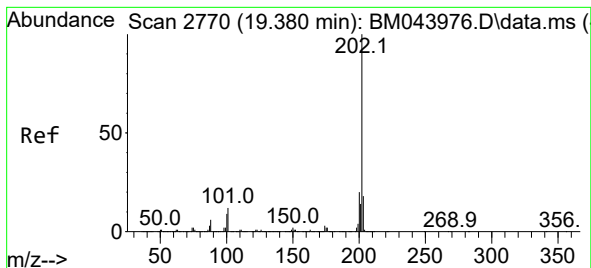
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 5.2 4.1 6.1





#75

Fluoranthene

Concen: 6.077 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

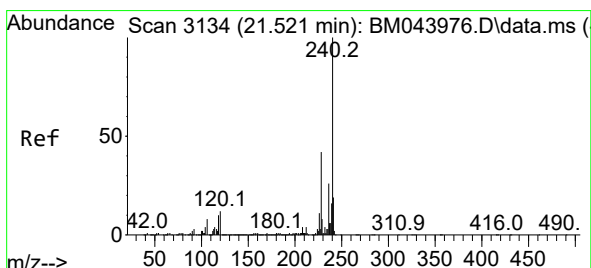
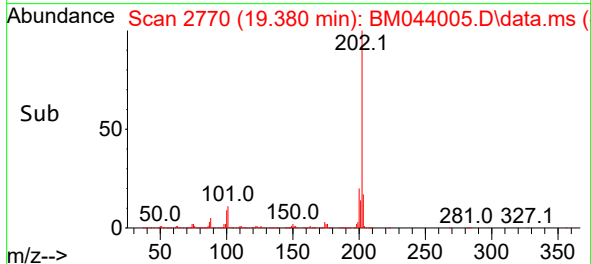
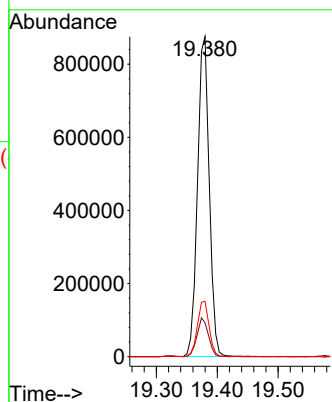
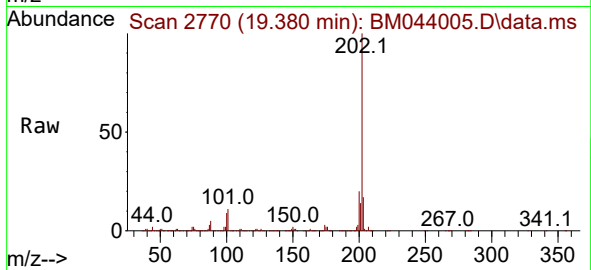
Tgt Ion:202 Resp: 1171798

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.9

203 17.3 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

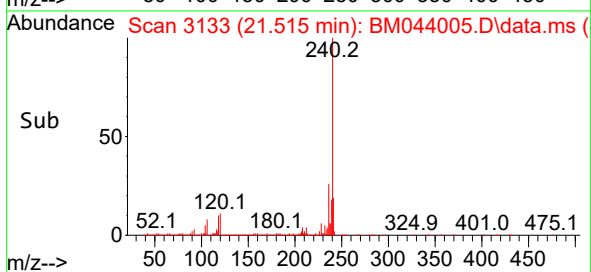
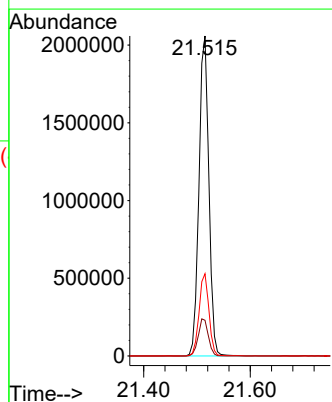
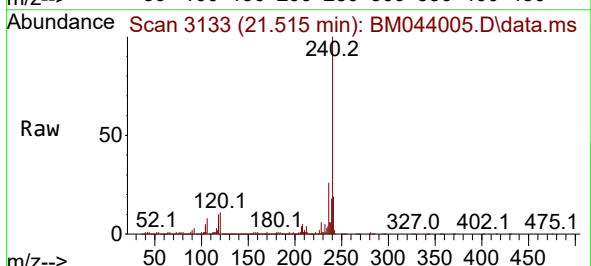
Tgt Ion:240 Resp: 2655880

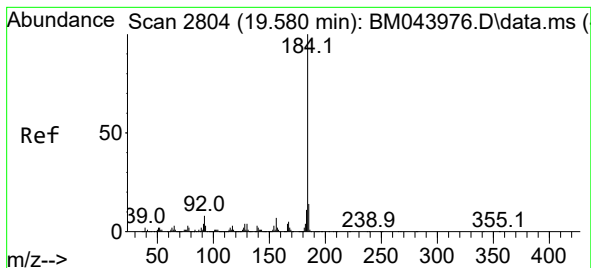
Ion Ratio Lower Upper

240 100

120 11.2 9.3 13.9

236 25.7 20.5 30.7





#77

Benzidine

Concen: 12.054 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

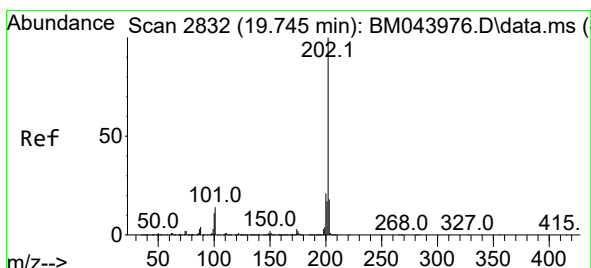
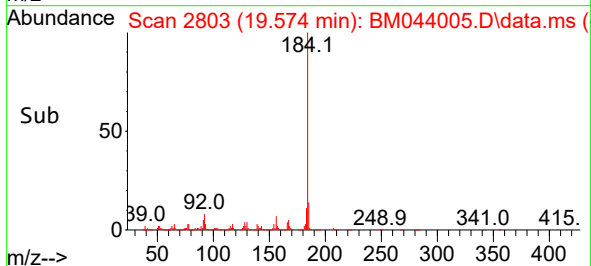
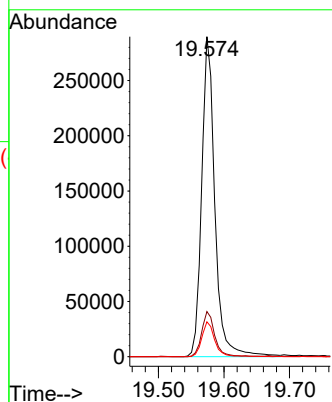
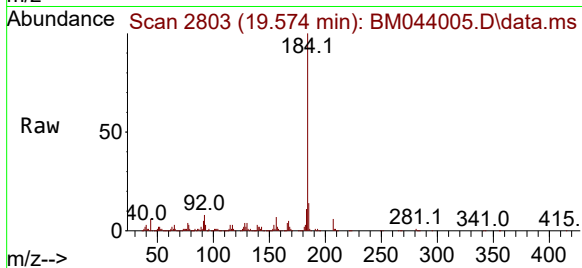
Tgt Ion:184 Resp: 406180

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 10.9 8.9 13.3



#78

Pyrene

Concen: 6.795 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

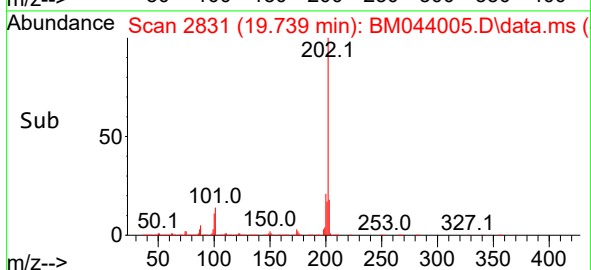
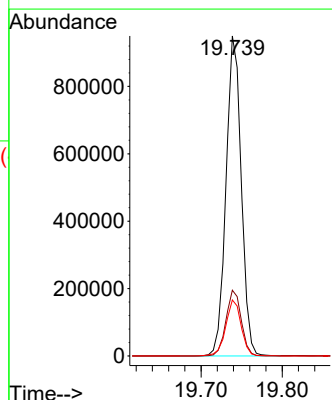
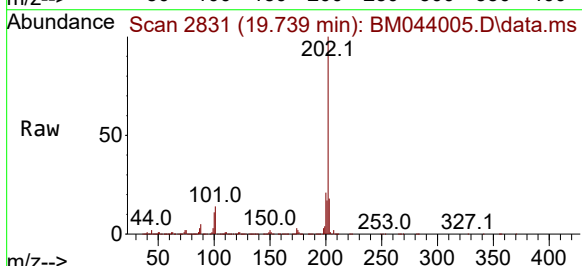
Tgt Ion:202 Resp: 1240486

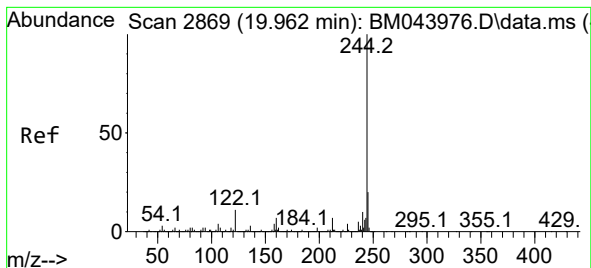
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 77.447 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

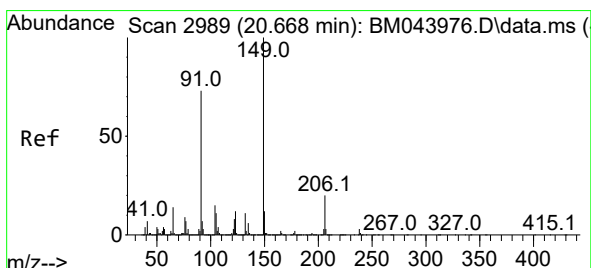
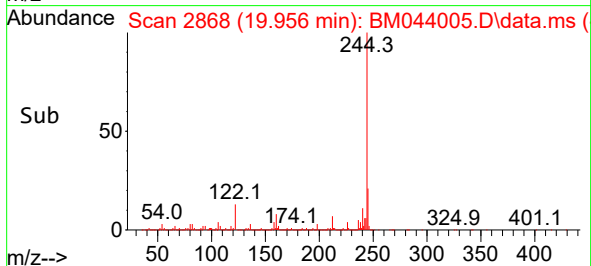
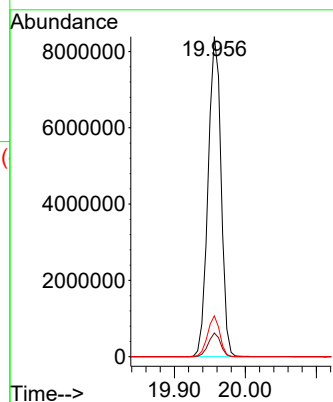
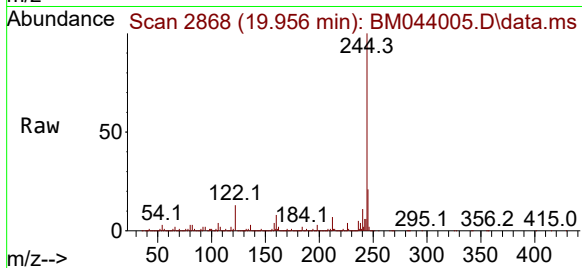
Tgt Ion:244 Resp:10655166

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 12.8 8.7 13.1



#80

Butylbenzylphthalate

Concen: 6.501 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

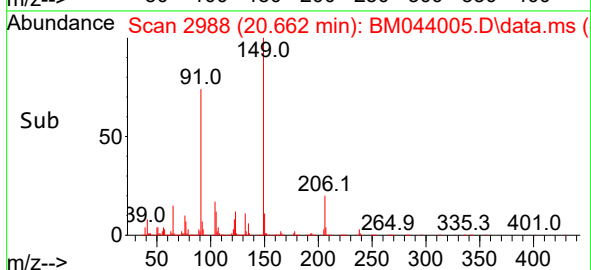
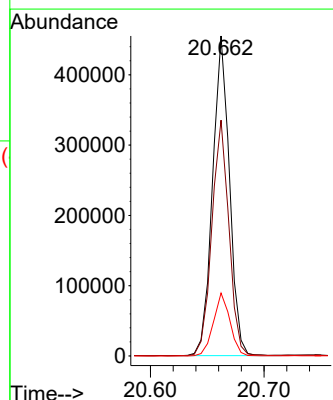
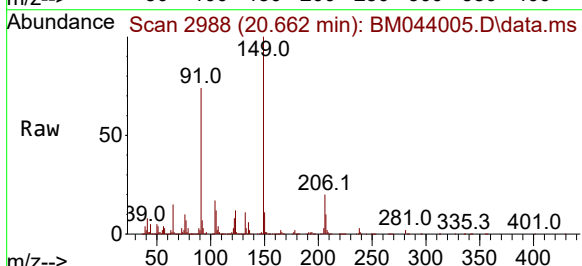
Tgt Ion:149 Resp: 469972

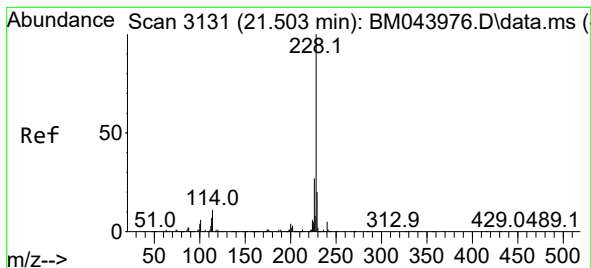
Ion Ratio Lower Upper

149 100

91 73.7 58.4 87.6

206 19.7 15.8 23.6





#81

Benzo(a)anthracene

Concen: 6.894 ng

RT: 21.497 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

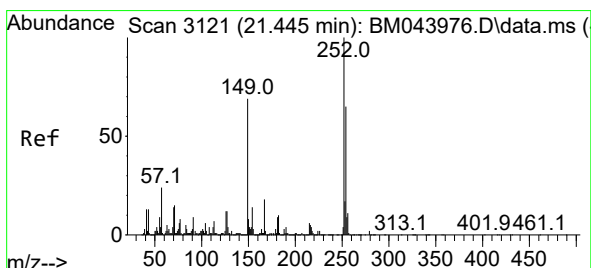
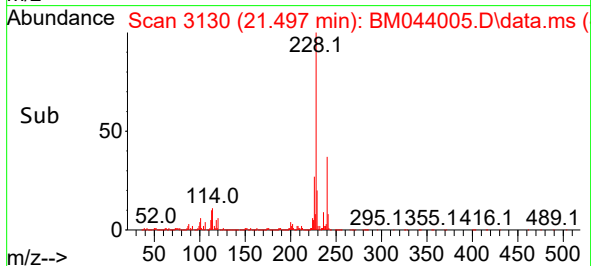
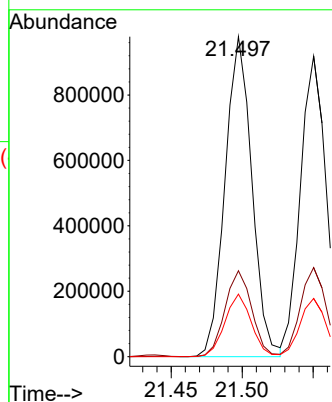
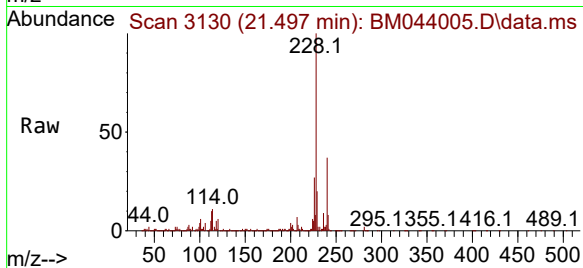
Tgt Ion:228 Resp: 1284625

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 19.6 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 6.742 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

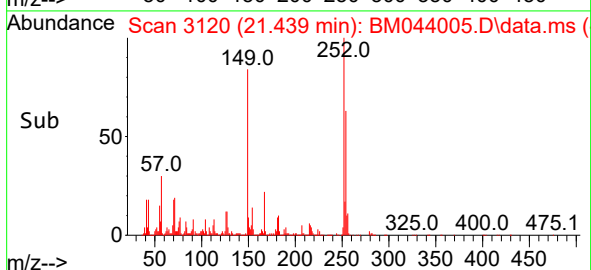
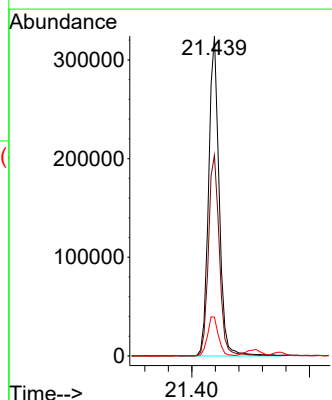
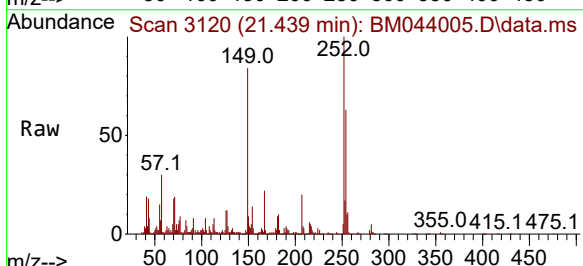
Tgt Ion:252 Resp: 401662

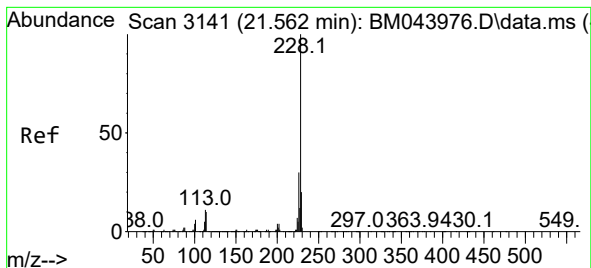
Ion Ratio Lower Upper

252 100

254 62.7 51.6 77.4

126 12.1 9.4 14.2





#83

Chrysene

Concen: 6.551 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

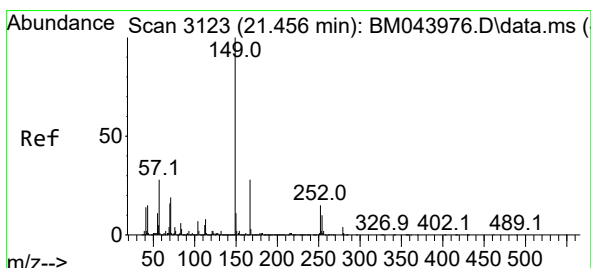
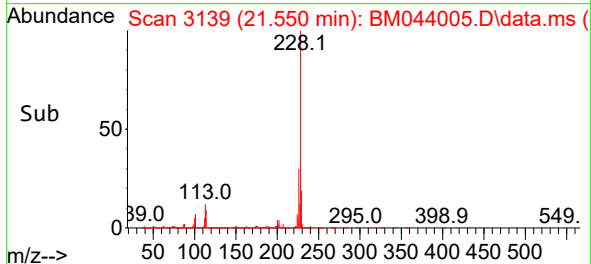
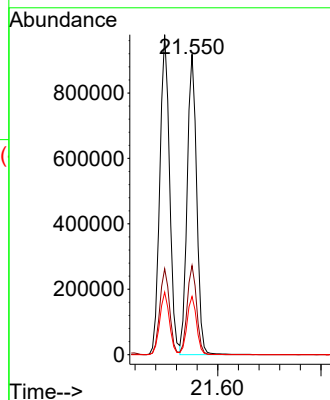
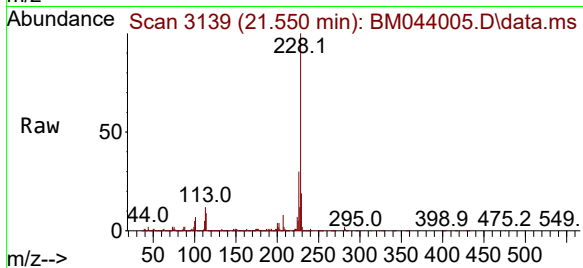
Tgt Ion:228 Resp: 1169451

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.973 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

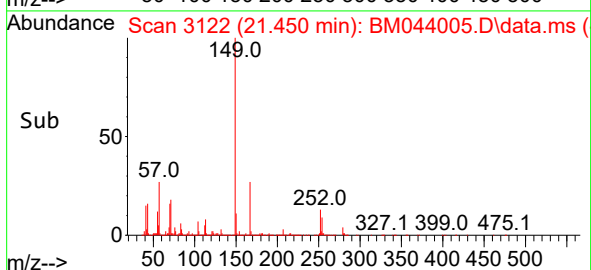
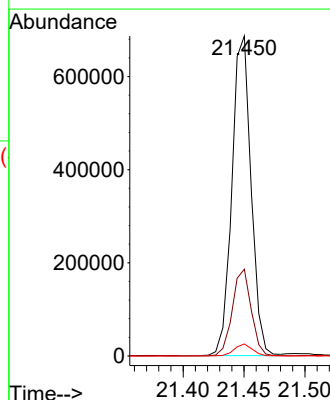
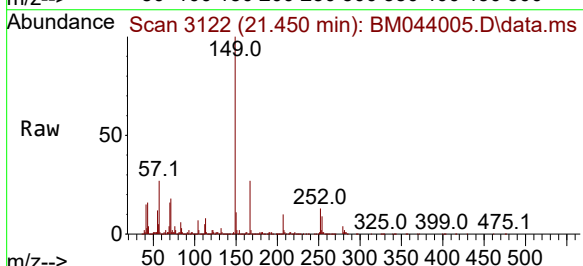
Tgt Ion:149 Resp: 749634

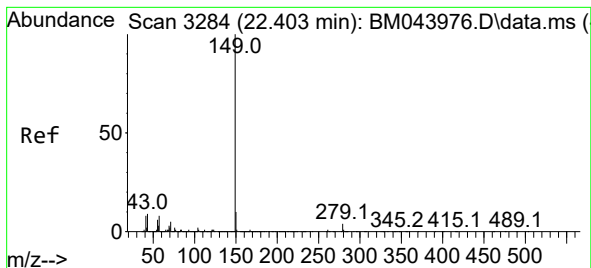
Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

279 3.8 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 6.442 ng

RT: 22.391 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

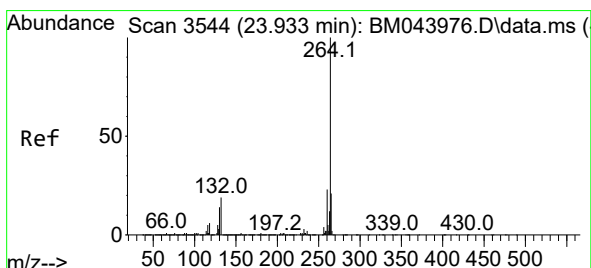
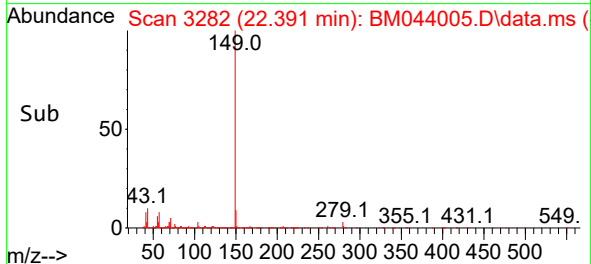
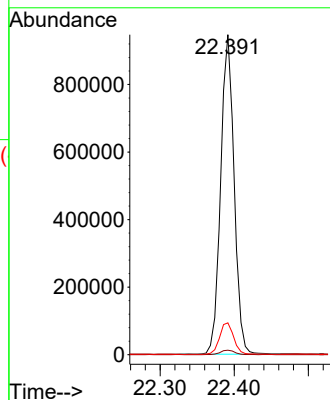
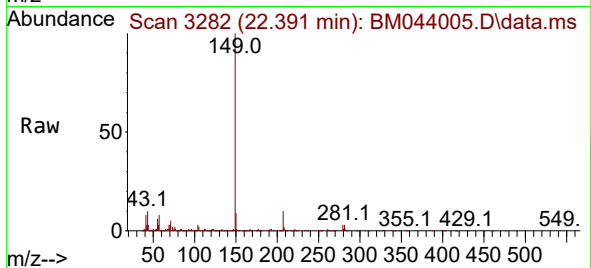
Tgt Ion:149 Resp: 1193107

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.5 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3542

Delta R.T. -0.012 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

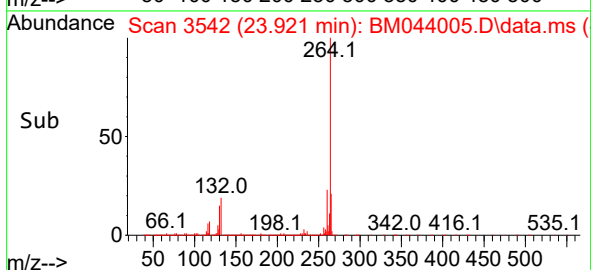
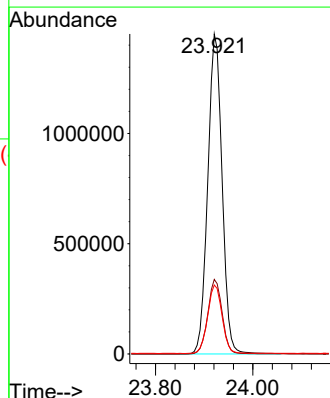
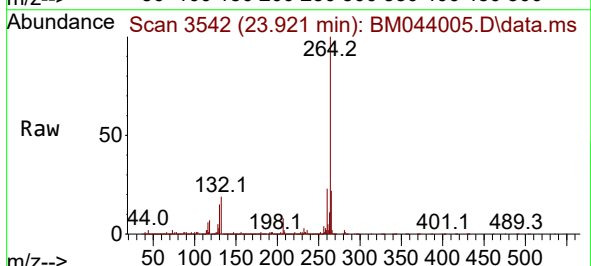
Tgt Ion:264 Resp: 2955676

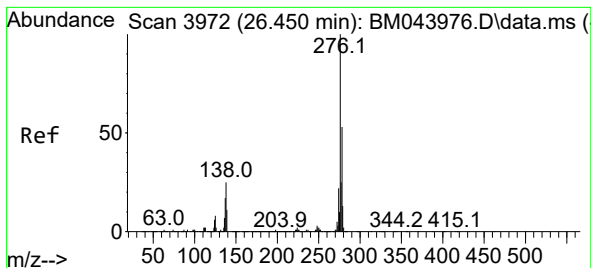
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.169 ng

RT: 26.421 min Scan# 3972

Delta R.T. -0.030 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

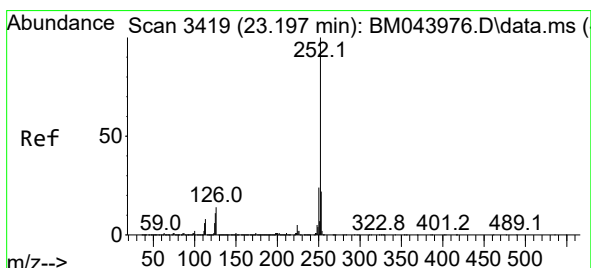
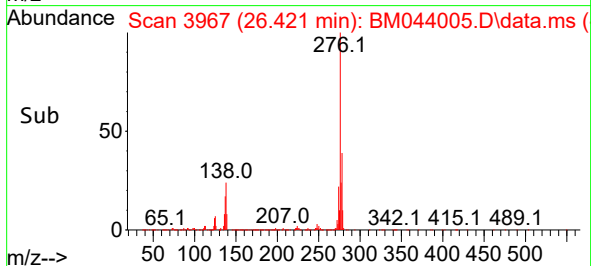
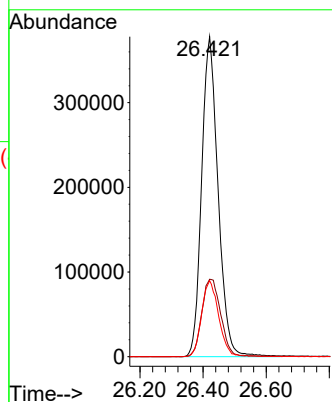
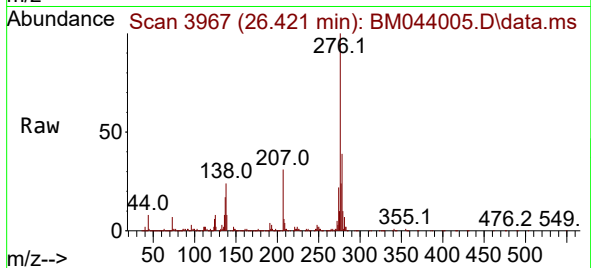
Tgt Ion:276 Resp: 1364368

Ion Ratio Lower Upper

276 100

138 27.7 21.8 32.6

277 24.7 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 6.697 ng

RT: 23.185 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

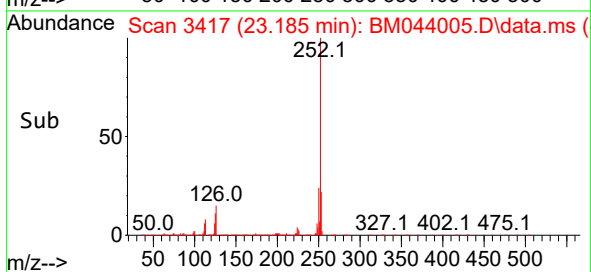
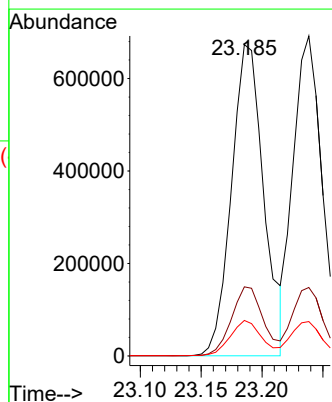
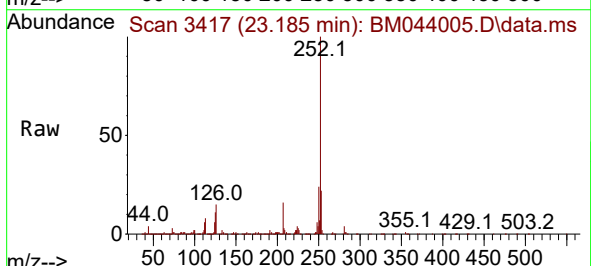
Tgt Ion:252 Resp: 1245181

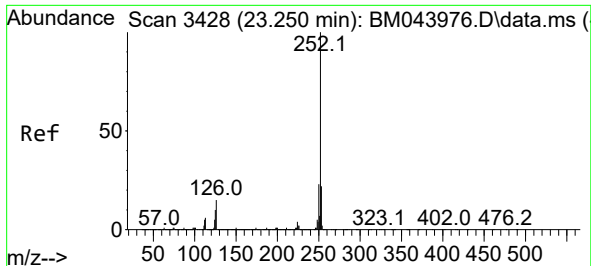
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.4 9.0 13.6

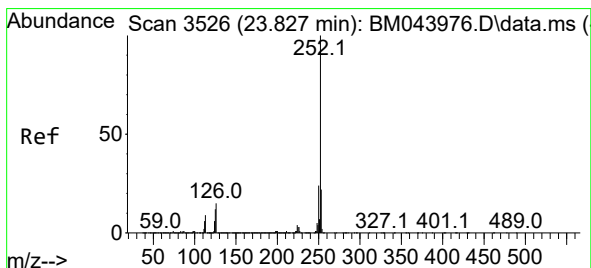
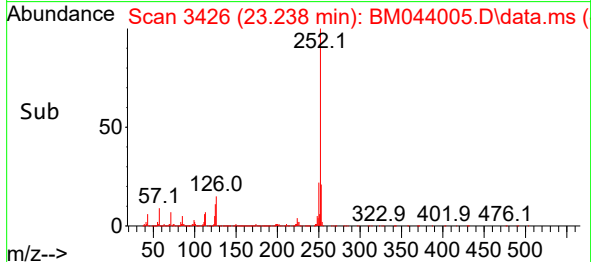
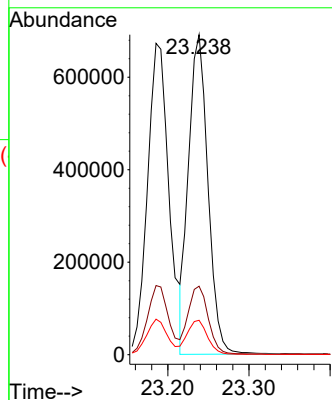
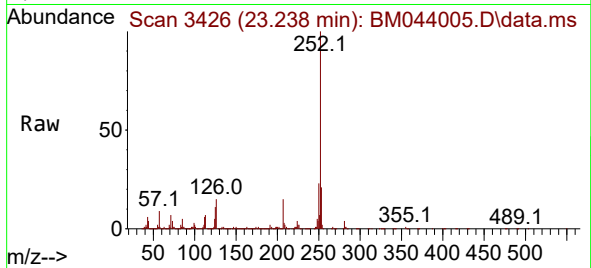




#89
Benzo(k)fluoranthene
Concen: 6.448 ng
RT: 23.238 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

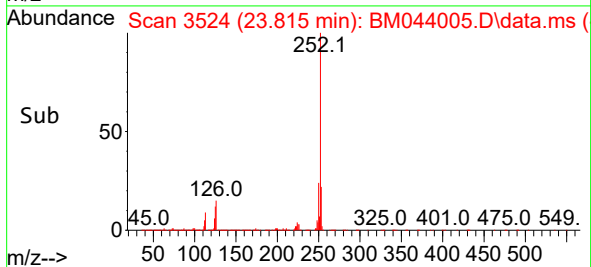
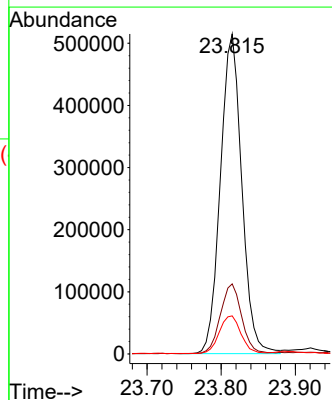
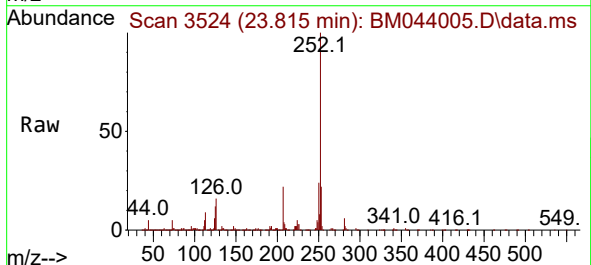
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

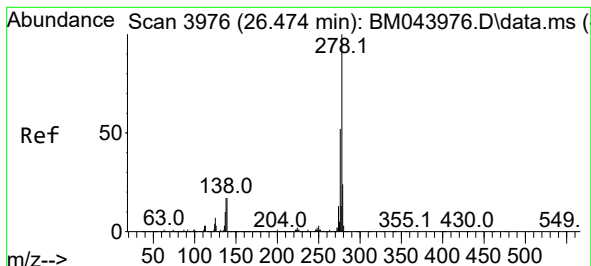
Tgt Ion:252 Resp: 1150191
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 10.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.274 ng
RT: 23.815 min Scan# 3524
Delta R.T. -0.012 min
Lab File: BM044005.D
Acq: 07 Feb 2024 00:19

Tgt Ion:252 Resp: 1030991
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 11.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 6.215 ng

RT: 26.444 min Scan# 3976

Delta R.T. -0.030 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

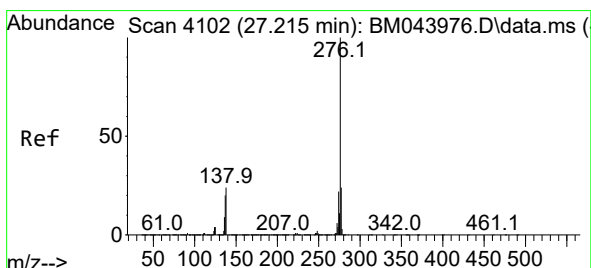
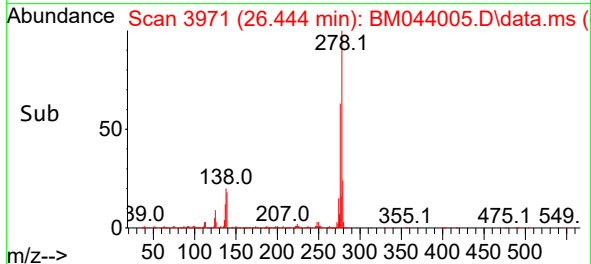
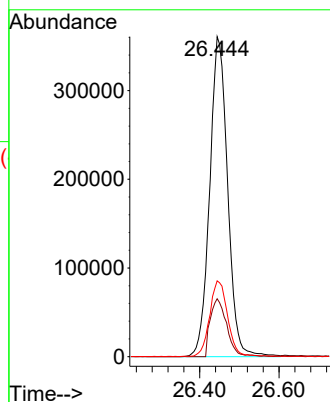
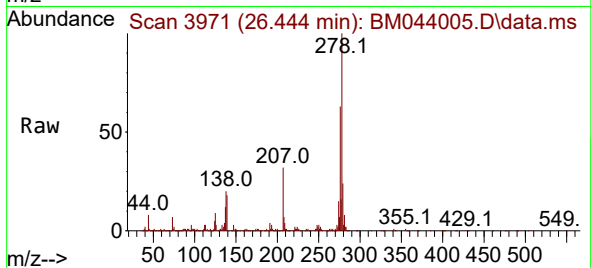
Tgt Ion:278 Resp: 1133624

Ion Ratio Lower Upper

278 100

139 18.1 13.7 20.5

279 23.7 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 5.840 ng

RT: 27.185 min Scan# 4097

Delta R.T. -0.030 min

Lab File: BM044005.D

Acq: 07 Feb 2024 00:19

Tgt Ion:276 Resp: 1086561

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 24.1 18.8 28.2

