

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044008.D
 Acq On : 07 Feb 2024 02:08
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-SOIL-4PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 07 03:46:06 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	420361	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1866358	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	1193975	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	2546705	20.000	ng	0.00
76) Chrysene-d12	21.509	240	2345148	20.000	ng	-0.01
86) Perylene-d12	23.921	264	2537938	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	3911526	137.413	ng	0.00
7) Phenol-d6	7.087	99	5140278	122.218	ng	0.00
23) Nitrobenzene-d5	9.092	82	3061096	79.064	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1851293	127.198	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	7152292	82.311	ng	0.00
79) Terphenyl-d14	19.956	244	11130212	91.619	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	47863	4.351	ng	94
3) Pyridine	3.805	79	107468	3.210	ng	95
4) n-Nitrosodimethylamine	3.722	42	51528	3.580	ng	# 94
6) Aniline	7.251	93	167898	4.012	ng	98
8) 2-Chlorophenol	7.481	128	106451	3.368	ng	93
9) Benzaldehyde	7.069	77	116047	1.338	ng	99
10) Phenol	7.110	94	149867	3.584	ng	85
11) bis(2-Chloroethyl)ether	7.357	93	123479	3.767	ng	98
12) 1,3-Dichlorobenzene	7.804	146	127718	3.743	ng	95
13) 1,4-Dichlorobenzene	7.957	146	130954	3.795	ng	98
14) 1,2-Dichlorobenzene	8.269	146	125620	3.691	ng	98
15) Benzyl Alcohol	8.169	79	100517	3.487	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.463	45	178452	4.060	ng	98
17) 2-Methylphenol	8.363	107	88243	3.301	ng	97
18) Hexachloroethane	8.992	117	48078	3.713	ng	96
19) n-Nitroso-di-n-propyla...	8.734	70	98182	3.548	ng	97
20) 3+4-Methylphenols	8.692	107	116564	3.090	ng	98
22) Acetophenone	8.751	105	194092	3.838	ng	98
24) Nitrobenzene	9.134	77	149312	3.844	ng	98
25) Isophorone	9.657	82	251692	3.492	ng	99
26) 2-Nitrophenol	9.839	139	46010	2.931	ng	97
27) 2,4-Dimethylphenol	9.898	122	85935	3.986	ng	98
28) bis(2-Chloroethoxy)met...	10.151	93	173386	3.939	ng	99
29) 2,4-Dichlorophenol	10.369	162	89897	3.269	ng	96
30) 1,2,4-Trichlorobenzene	10.586	180	114874	3.699	ng	98
31) Naphthalene	10.775	128	379482	3.648	ng	99
32) Benzoic acid	9.957	122	33351	7.896	ng	98
33) 4-Chloroaniline	10.892	127	158598	3.709	ng	99
34) Hexachlorobutadiene	11.051	225	61710	3.643	ng	98
35) Caprolactam	11.663	113	30133	2.672	ng	97
36) 4-Chloro-3-methylphenol	12.010	107	104080	3.091	ng	100
37) 2-Methylnaphthalene	12.386	142	257885	3.555	ng	98
38) 1-Methylnaphthalene	12.604	142	254202	3.510	ng	99
40) 1,2,4,5-Tetrachloroben...	12.745	216	129176	3.815	ng	99
41) Hexachlorocyclopentadiene	12.722	237	51399	4.615	ng	97
43) 2,4,6-Trichlorophenol	12.998	196	68705	3.002	ng	99

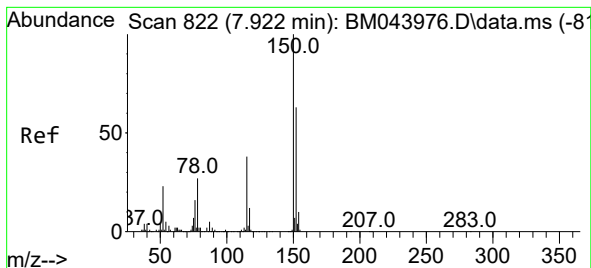
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	80214	3.072	ng	98
46) 1,1'-Biphenyl	13.398	154	353602	3.766	ng	99
47) 2-Chloronaphthalene	13.439	162	270438	3.612	ng	98
48) 2-Nitroaniline	13.651	65	71354	2.930	ng	98
49) Acenaphthylene	14.286	152	429366	3.751	ng	99
50) Dimethylphthalate	14.033	163	342185	3.690	ng	100
51) 2,6-Dinitrotoluene	14.151	165	62353	3.059	ng	92
52) Acenaphthene	14.627	154	252118	3.475	ng	97
53) 3-Nitroaniline	14.480	138	66413	2.806	ng	90
54) 2,4-Dinitrophenol	14.686	184	18149	8.722	ng	94
55) Dibenzofuran	14.963	168	422006	3.737	ng	99
56) 4-Nitrophenol	14.780	139	47627	2.303	ng	95
57) 2,4-Dinitrotoluene	14.933	165	77158	2.719	ng	90
58) Fluorene	15.616	166	335459	3.518	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	75169	3.340	ng	98
60) Diethylphthalate	15.398	149	342690	3.569	ng	100
61) 4-Chlorophenyl-phenyle...	15.616	204	165537	3.721	ng	98
62) 4-Nitroaniline	15.639	138	65132	2.517	ng	97
63) Azobenzene	15.910	77	333255	3.475	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	29575	7.837	ng	90
66) n-Nitrosodiphenylamine	15.827	169	280174	3.693	ng	99
67) 4-Bromophenyl-phenylether	16.510	248	68869	2.745	ng	96
68) Hexachlorobenzene	16.604	284	108274	3.620	ng	98
69) Atrazine	16.786	200	88817	4.232	ng	99
70) Pentachlorophenol	16.957	266	47199	2.403	ng	97
71) Phenanthrene	17.357	178	530205	3.738	ng	99
72) Anthracene	17.451	178	498132	3.587	ng	100
73) Carbazole	17.727	167	464455	3.229	ng	99
74) Di-n-butylphthalate	18.304	149	523866	3.321	ng	99
75) Fluoranthene	19.374	202	563701	3.213	ng	100
77) Benzidine	19.574	184	154261	5.184	ng	99
78) Pyrene	19.739	202	591136	3.667	ng	99
80) Butylbenzylphthalate	20.662	149	204242	3.200	ng	99
81) Benzo(a)anthracene	21.498	228	608501	3.698	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	172800	3.285	ng	99
83) Chrysene	21.550	228	562271	3.567	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	345100	3.635	ng	99
85) Di-n-octyl phthalate	22.392	149	499765	3.056	ng	98
87) Indeno(1,2,3-cd)pyrene	26.415	276	596557	3.141	ng	99
88) Benzo(b)fluoranthene	23.186	252	569945	3.570	ng	99
89) Benzo(k)fluoranthene	23.233	252	550734	3.596	ng	99
90) Benzo(a)pyrene	23.809	252	464644	3.293	ng	99
91) Dibenzo(a,h)anthracene	26.444	278	498135	3.181	ng	100
92) Benzo(g,h,i)perylene	27.174	276	482217	3.019	ng	98

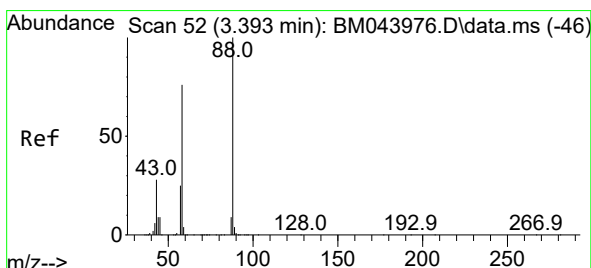
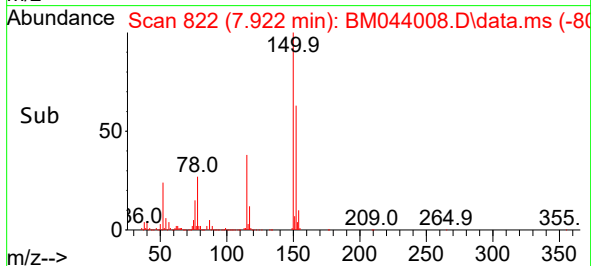
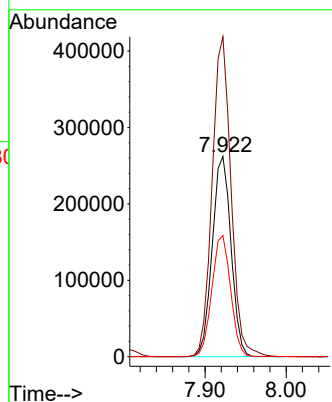
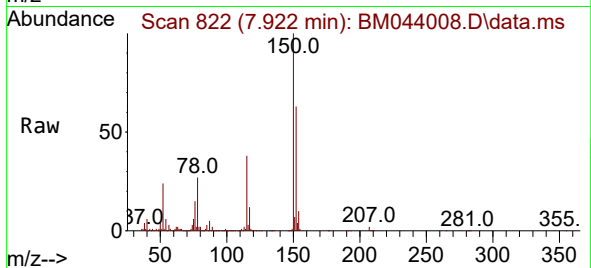
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044008.D
 Acq: 07 Feb 2024 02:08

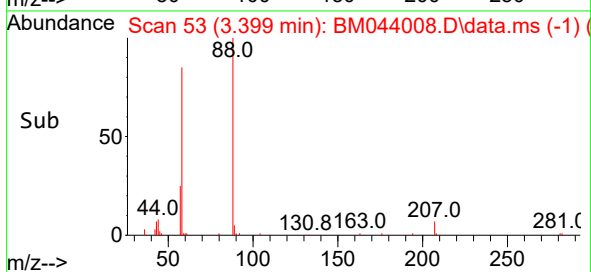
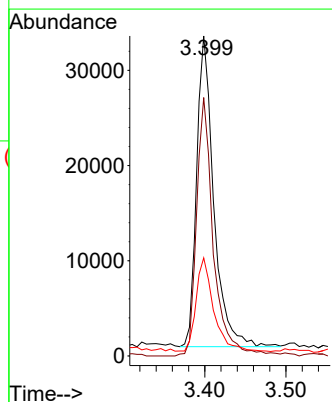
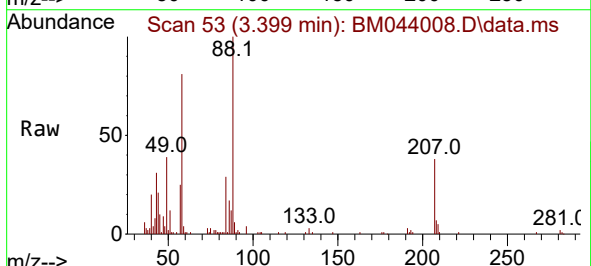
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

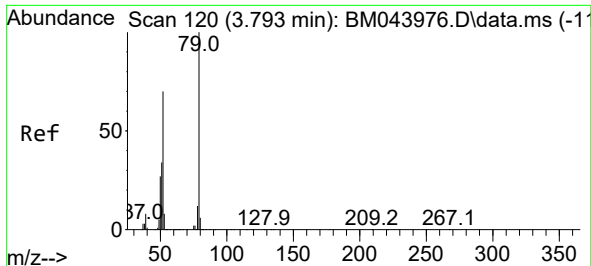
Tgt Ion:152 Resp: 420361
 Ion Ratio Lower Upper
 152 100
 150 159.9 126.1 189.1
 115 60.6 48.2 72.2



#2
 1,4-Dioxane
 Concen: 4.351 ng
 RT: 3.399 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM044008.D
 Acq: 07 Feb 2024 02:08

Tgt Ion: 88 Resp: 47863
 Ion Ratio Lower Upper
 88 100
 58 81.8 61.0 91.6
 43 30.9 23.0 34.6

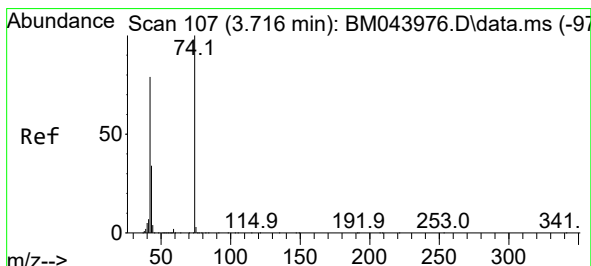
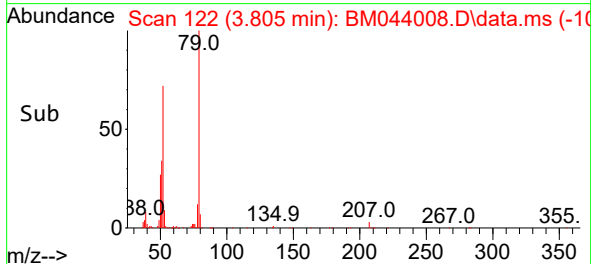
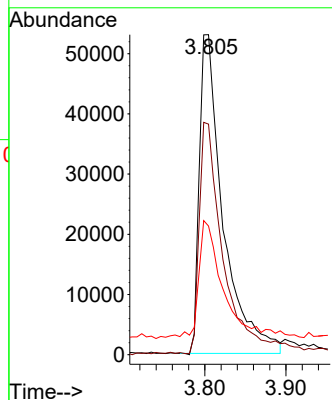
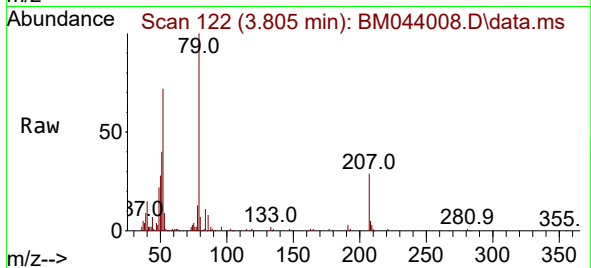




#3
 Pyridine
 Concen: 3.210 ng
 RT: 3.805 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BM044008.D
 Acq: 07 Feb 2024 02:08

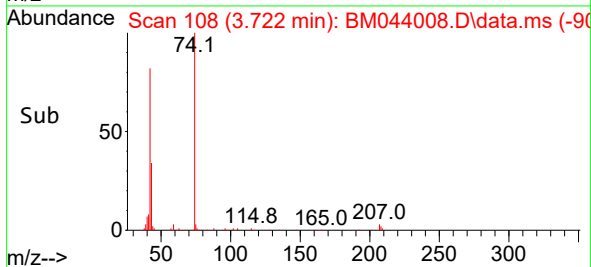
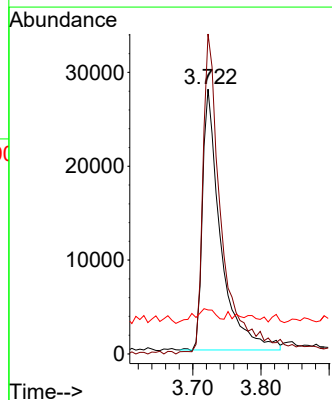
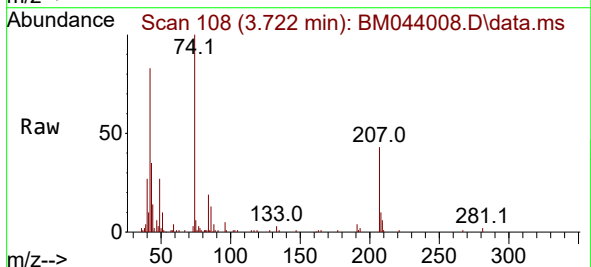
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

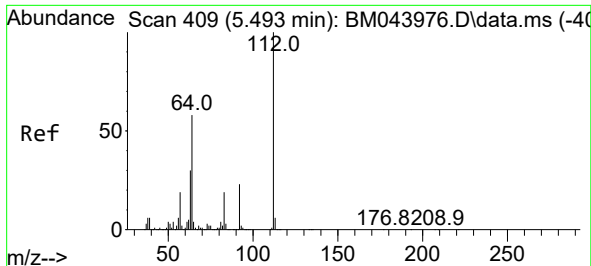
Tgt Ion: 79 Resp: 107468
 Ion Ratio Lower Upper
 79 100
 52 72.1 55.9 83.9
 51 40.2 28.2 42.2



#4
 n-Nitrosodimethylamine
 Concen: 3.580 ng
 RT: 3.722 min Scan# 108
 Delta R.T. 0.006 min
 Lab File: BM044008.D
 Acq: 07 Feb 2024 02:08

Tgt Ion: 42 Resp: 51528
 Ion Ratio Lower Upper
 42 100
 74 120.9 100.7 151.1
 44 16.6 7.3 10.9#

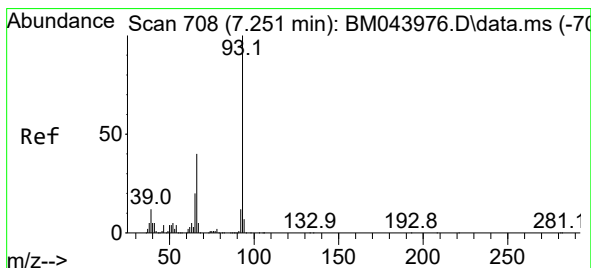
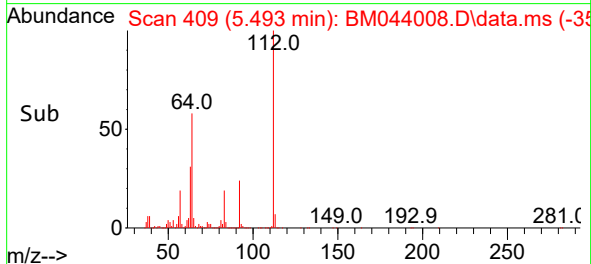
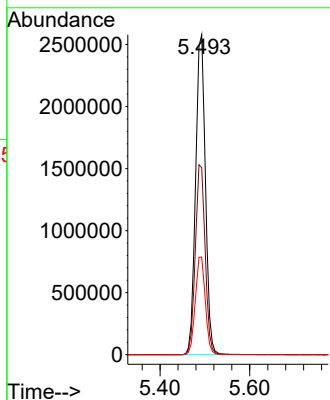
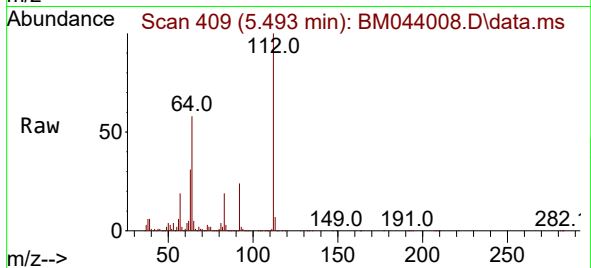




#5
2-Fluorophenol
Concen: 137.413 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

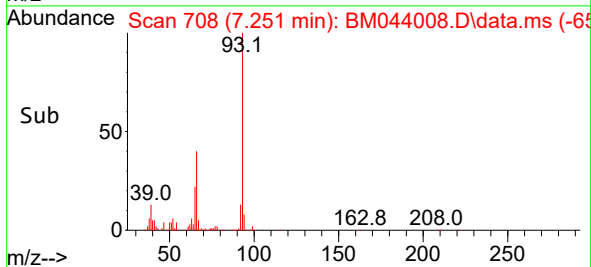
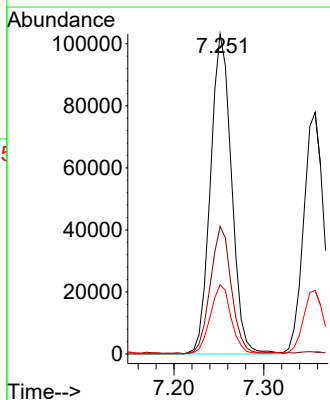
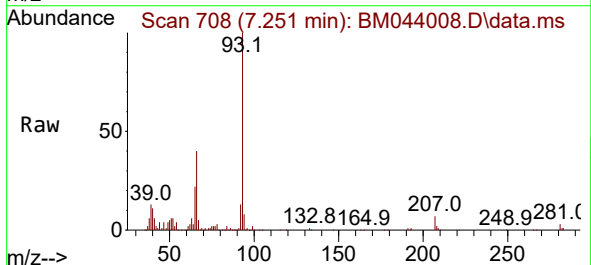
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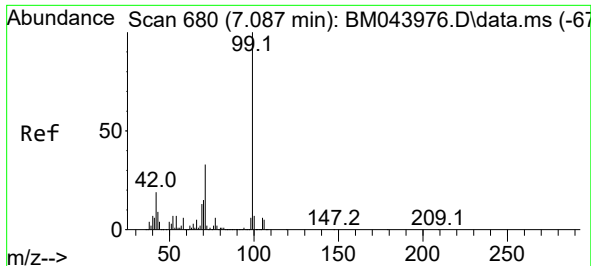
Tgt Ion:112 Resp: 3911526
Ion Ratio Lower Upper
112 100
64 58.4 46.6 70.0
63 30.5 24.2 36.4



#6
Aniline
Concen: 4.012 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 93 Resp: 167898
Ion Ratio Lower Upper
93 100
66 39.8 32.2 48.2
65 21.7 15.8 23.8



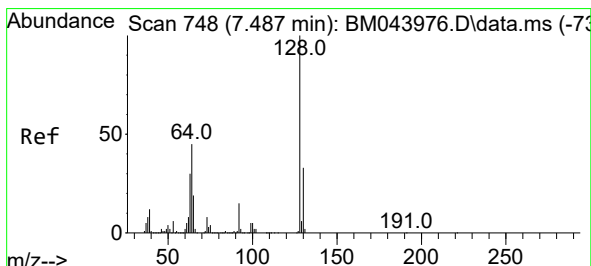
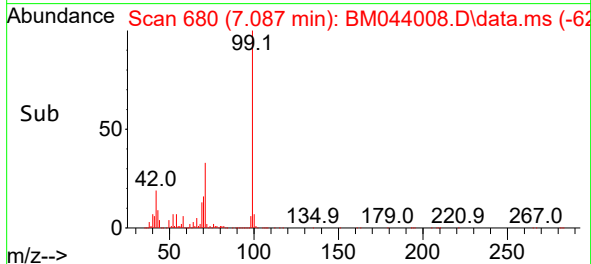
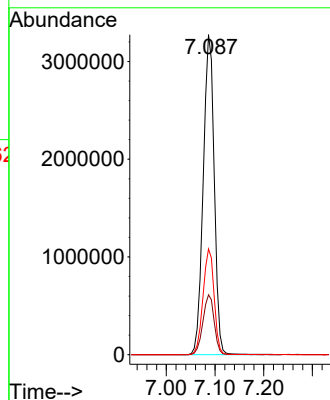
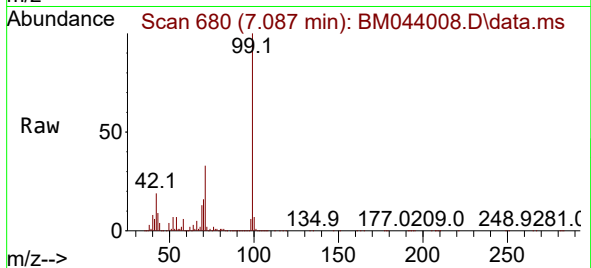


#7
Phenol-d6
Concen: 122.218 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 99 Resp: 5140278

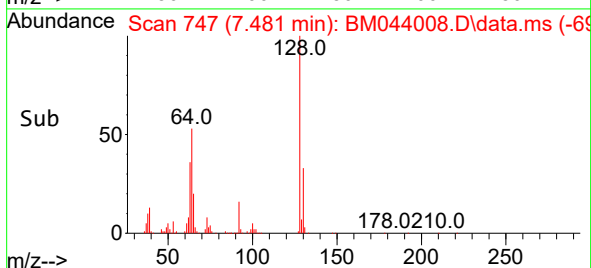
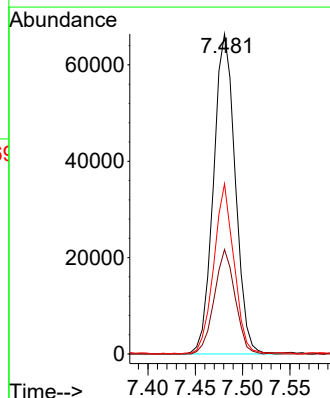
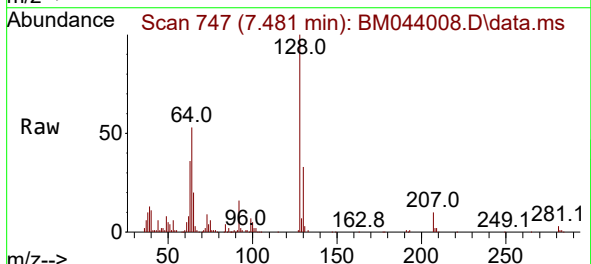
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	33.0	26.3	39.5

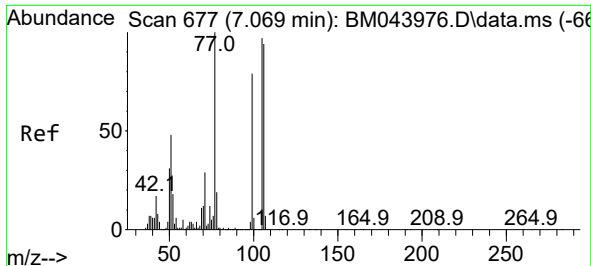


#8
2-Chlorophenol
Concen: 3.368 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:128 Resp: 106451

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	53.1	25.6	65.6

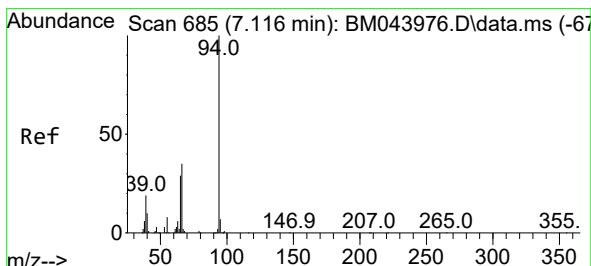
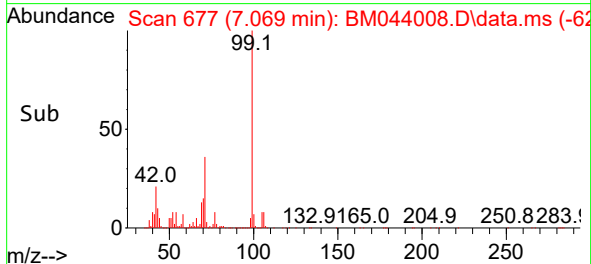
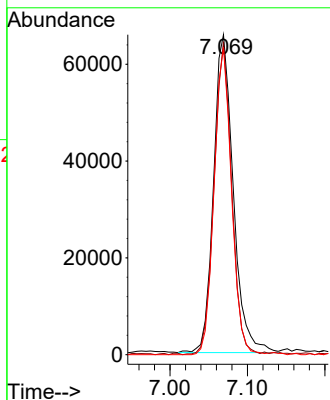
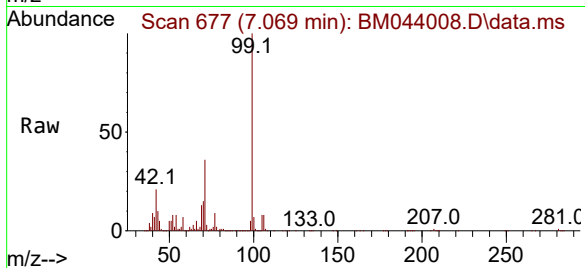




#9
Benzaldehyde
Concen: 1.338 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

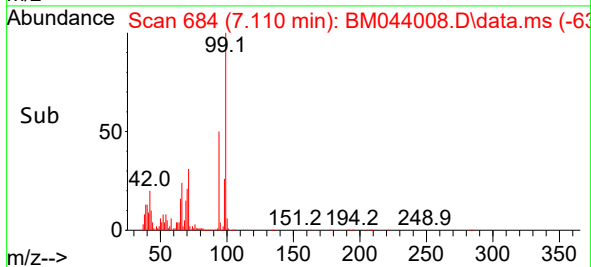
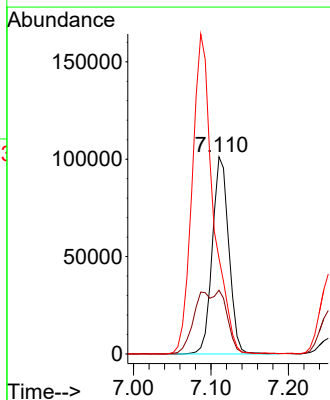
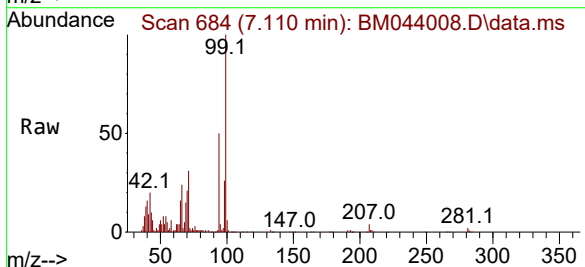
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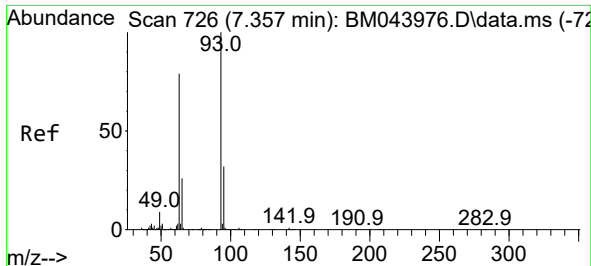
Tgt Ion: 77 Resp: 116047
Ion Ratio Lower Upper
77 100
105 97.8 77.4 117.4
106 96.0 73.5 113.5



#10
Phenol
Concen: 3.584 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 94 Resp: 149867
Ion Ratio Lower Upper
94 100
65 32.3 9.3 49.3
66 48.5 15.7 55.7

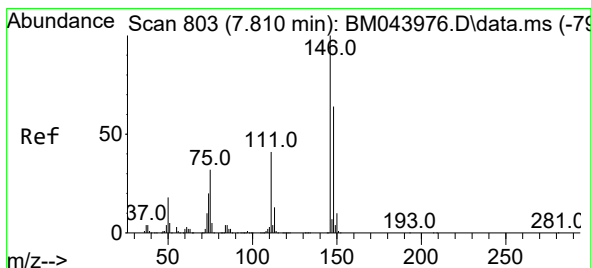
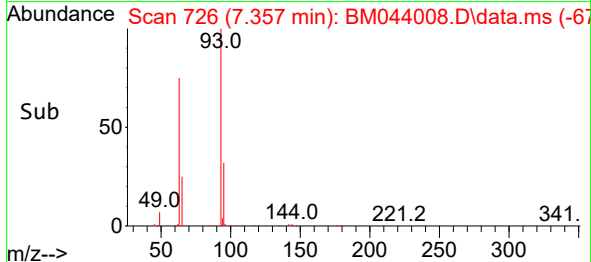
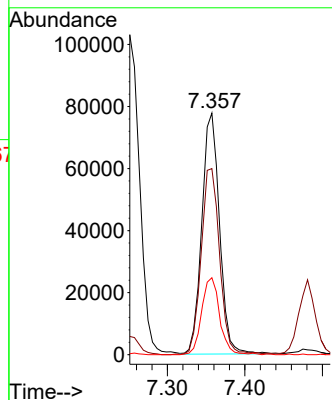
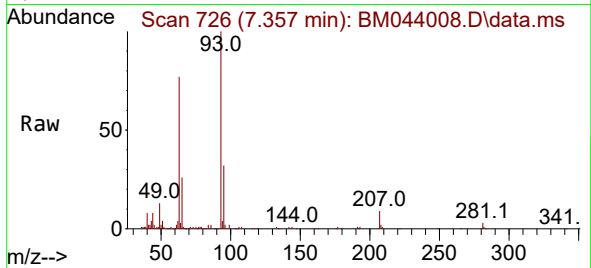




#11
bis(2-Chloroethyl)ether
Concen: 3.767 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

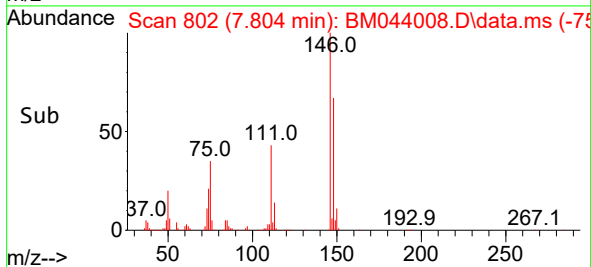
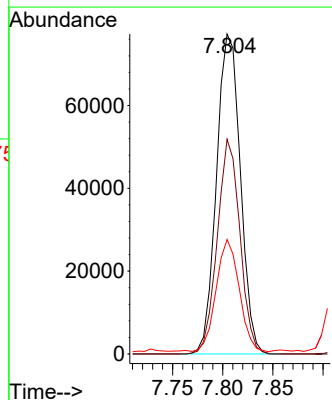
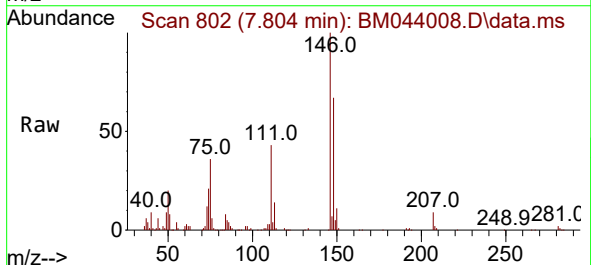
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

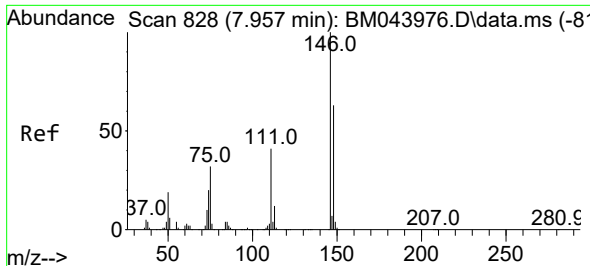
Tgt Ion: 93 Resp: 123479
Ion Ratio Lower Upper
93 100
63 77.0 59.0 99.0
95 31.9 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 3.743 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:146 Resp: 127718
Ion Ratio Lower Upper
146 100
148 67.1 51.0 76.6
75 35.7 26.1 39.1

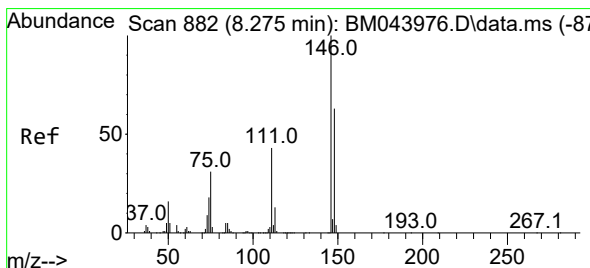
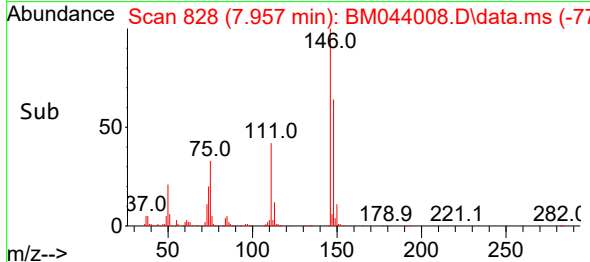
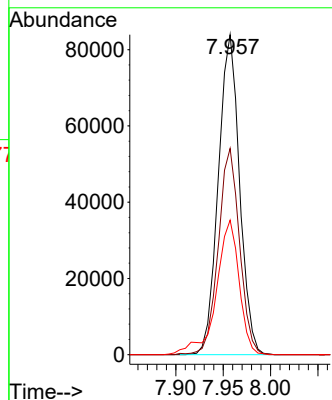
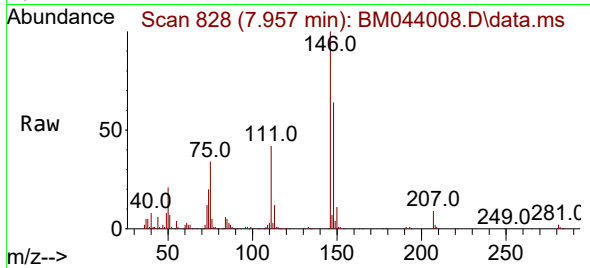




#13
1,4-Dichlorobenzene
Concen: 3.795 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

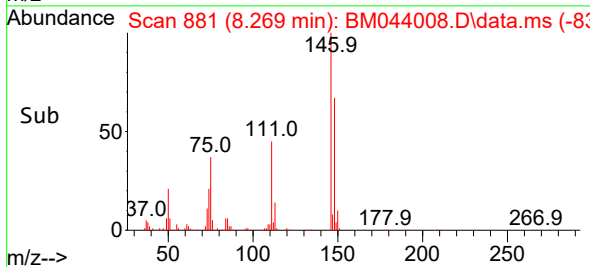
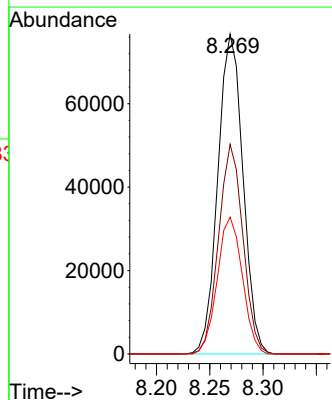
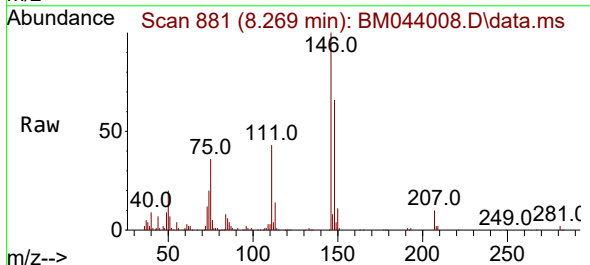
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

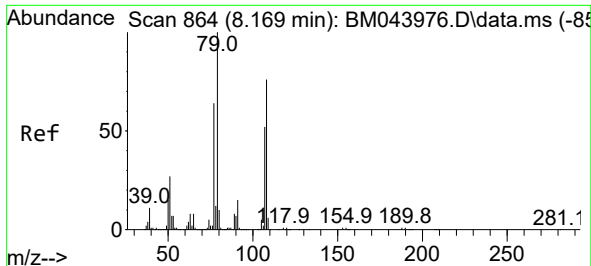
Tgt Ion:146 Resp: 130954
Ion Ratio Lower Upper
146 100
148 64.5 50.7 76.1
111 42.1 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 3.691 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:146 Resp: 125620
Ion Ratio Lower Upper
146 100
148 65.5 50.3 75.5
111 42.8 34.3 51.5

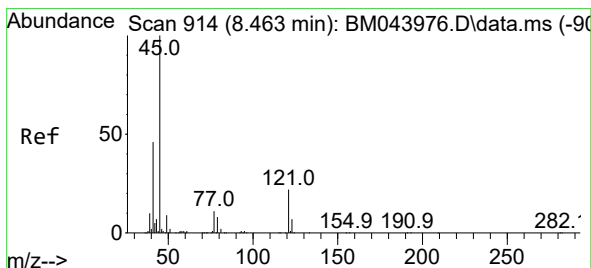
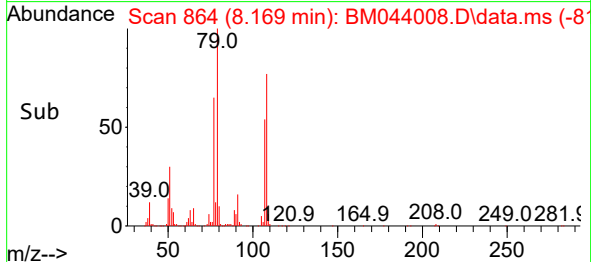
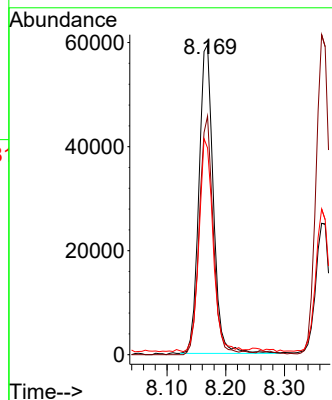
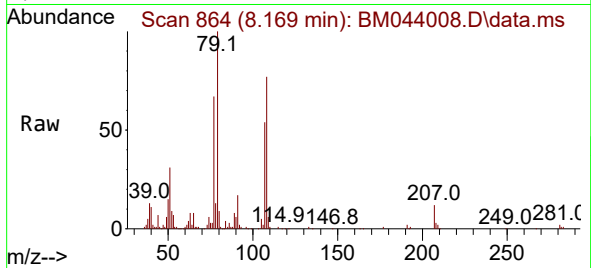




#15
Benzyl Alcohol
Concen: 3.487 ng
RT: 8.169 min Scan# 864
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

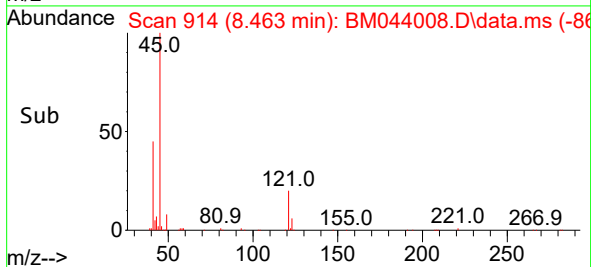
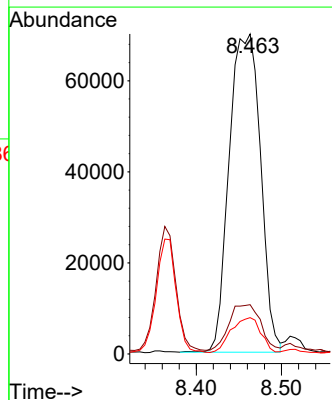
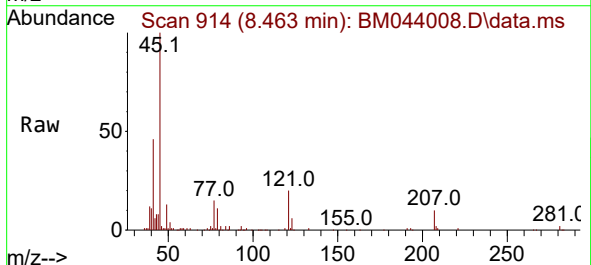
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

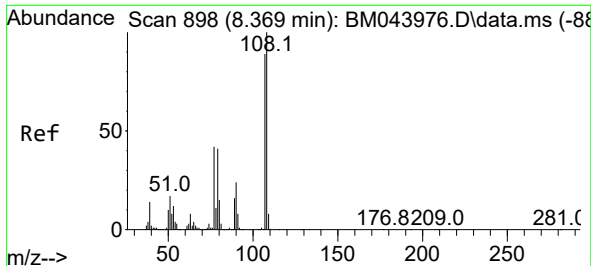
Tgt Ion: 79 Resp: 100517
Ion Ratio Lower Upper
79 100
108 76.9 60.7 91.1
77 66.6 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.060 ng
RT: 8.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 45 Resp: 178452
Ion Ratio Lower Upper
45 100
77 15.4 0.0 34.4
79 11.3 0.0 31.2

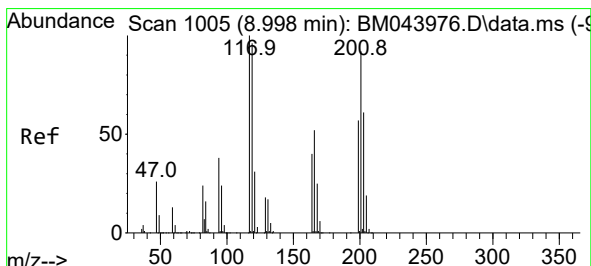
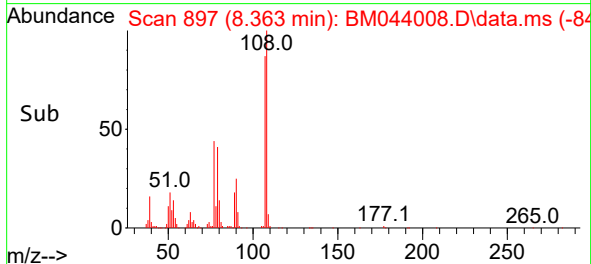
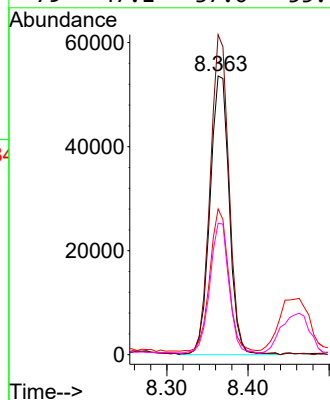
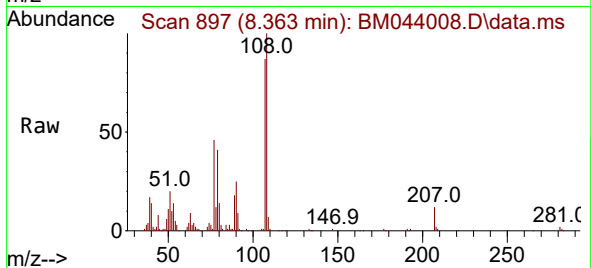




#17
2-Methylphenol
Concen: 3.301 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

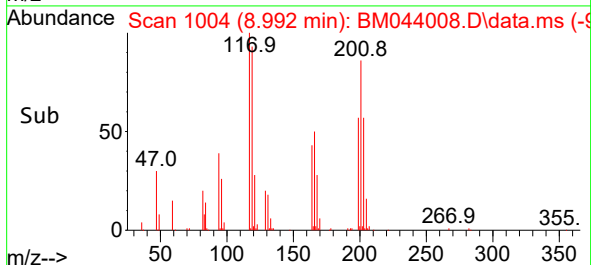
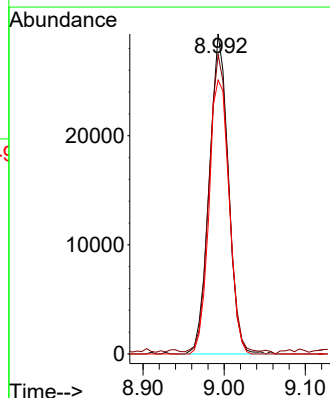
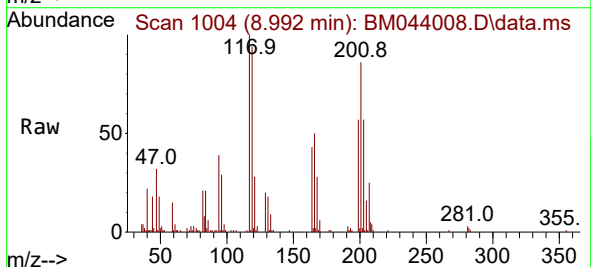
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

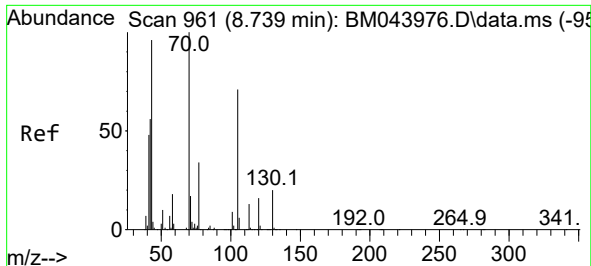
Tgt Ion:	107	Resp:	88243
Ion Ratio	Lower	Upper	
107	100		
108	114.8	90.4	135.6
77	52.3	38.0	57.0
79	47.1	37.0	55.4



#18
Hexachloroethane
Concen: 3.713 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:	117	Resp:	48078
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.7	115.1
201	85.6	73.4	110.2

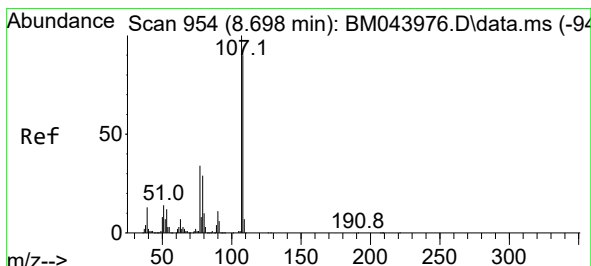
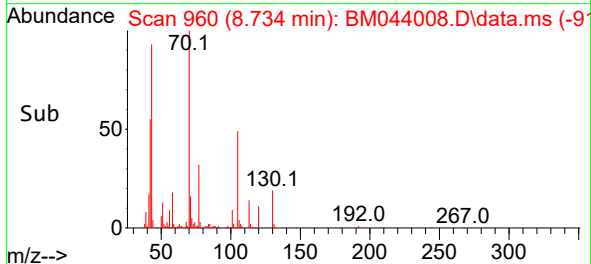
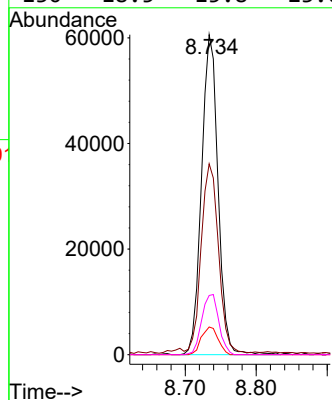
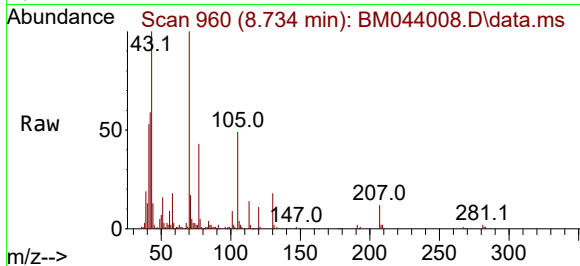




#19
n-Nitroso-di-n-propylamine
Concen: 3.548 ng
RT: 8.734 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

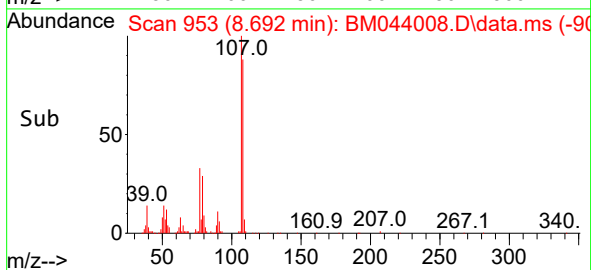
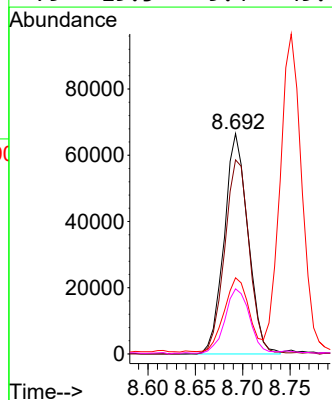
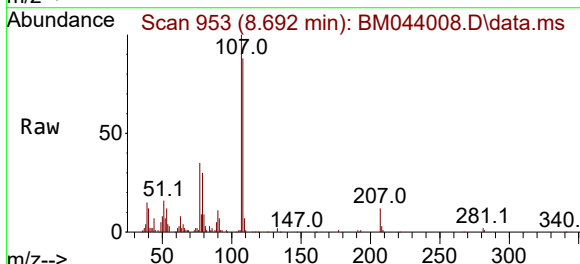
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

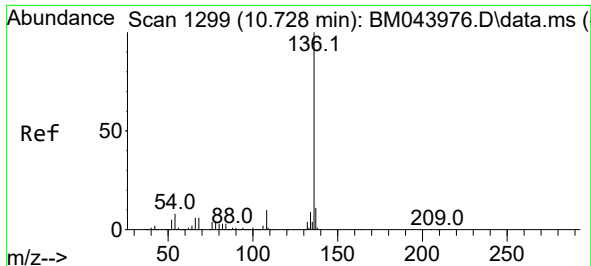
Tgt Ion: 70 Resp: 98182
Ion Ratio Lower Upper
70 100
42 59.6 45.6 68.4
101 8.7 7.5 11.3
130 18.5 15.8 23.6



#20
3+4-Methylphenols
Concen: 3.090 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 107 Resp: 116564
Ion Ratio Lower Upper
107 100
108 88.1 70.3 110.3
77 34.6 14.0 54.0
79 29.5 9.4 49.4

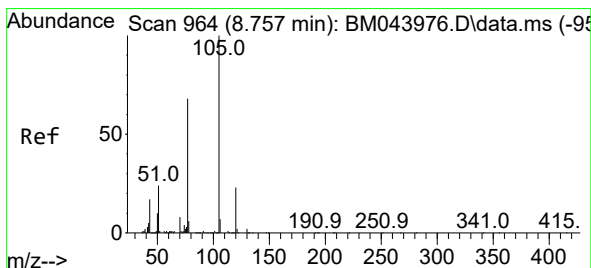
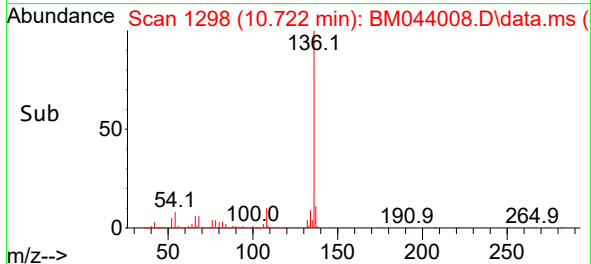
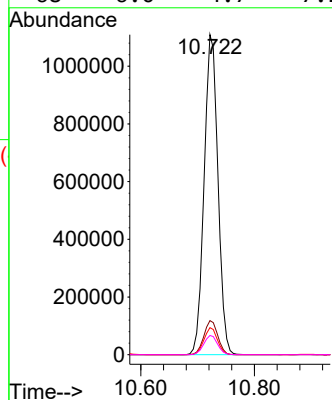
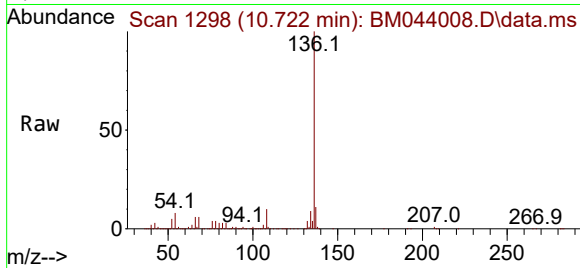




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

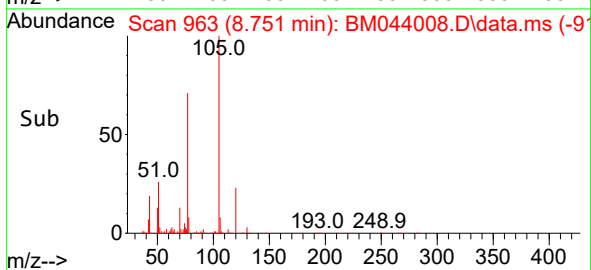
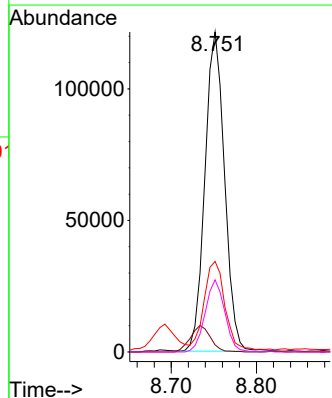
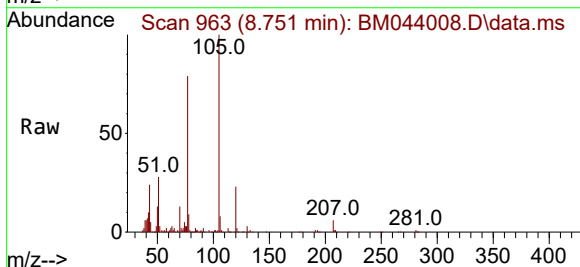
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

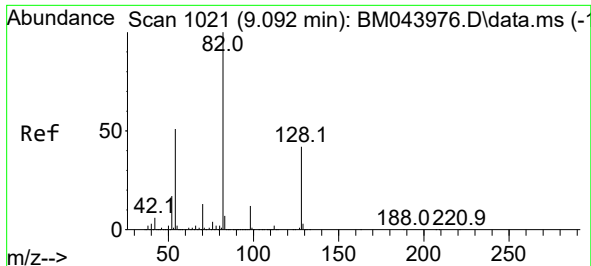
Tgt Ion:136 Resp: 1866358
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.4 6.5 9.7
68 6.0 4.7 7.1



#22
Acetophenone
Concen: 3.838 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:105 Resp: 194092
Ion Ratio Lower Upper
105 100
71 2.2 1.6 2.4
51 28.3 21.8 32.6
120 22.6 18.5 27.7

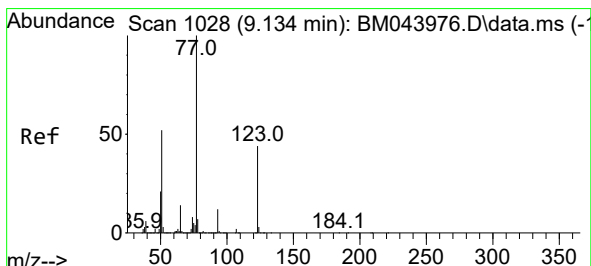
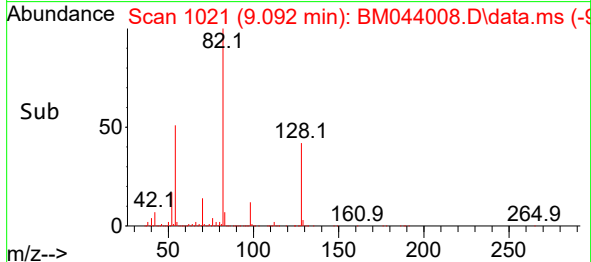
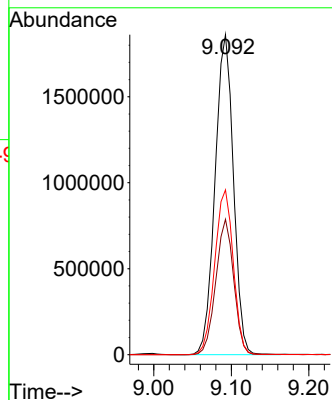
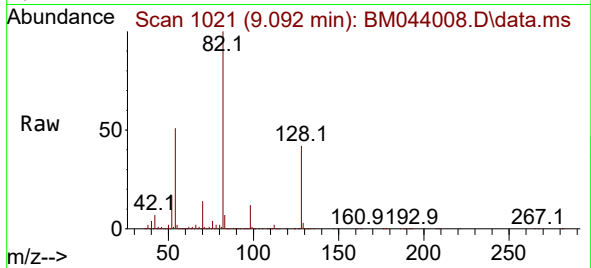




#23
Nitrobenzene-d5
Concen: 79.064 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

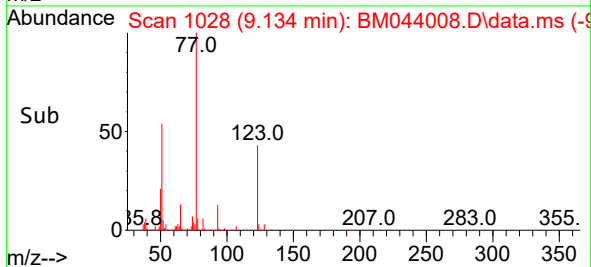
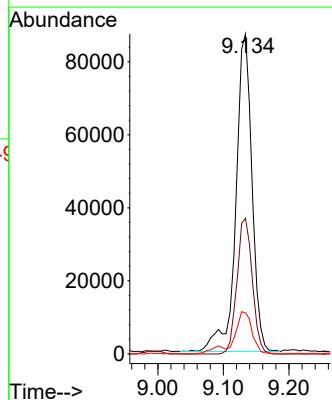
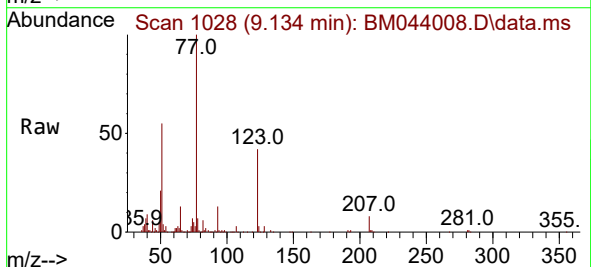
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

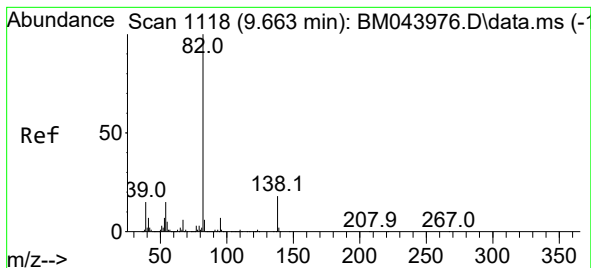
Tgt Ion: 82 Resp: 3061096
Ion Ratio Lower Upper
82 100
128 42.3 33.9 50.9
54 51.5 41.1 61.7



#24
Nitrobenzene
Concen: 3.844 ng
RT: 9.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 77 Resp: 149312
Ion Ratio Lower Upper
77 100
123 42.4 35.3 52.9
65 12.9 10.9 16.3





#25

Isophorone

Concen: 3.492 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

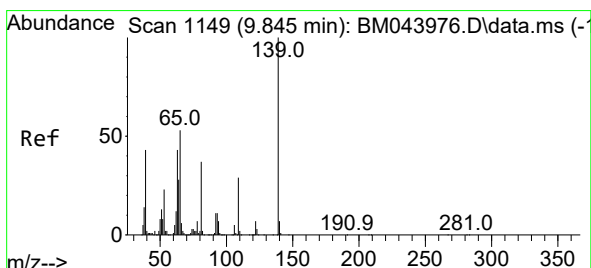
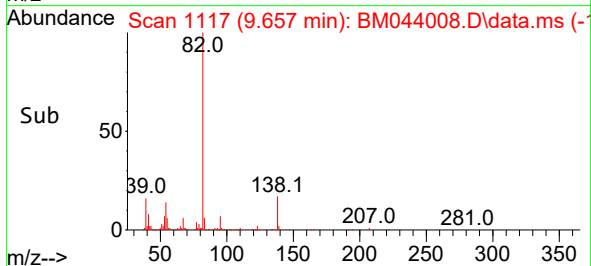
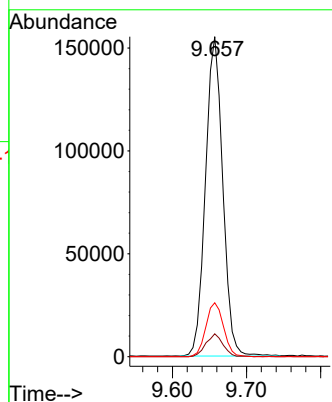
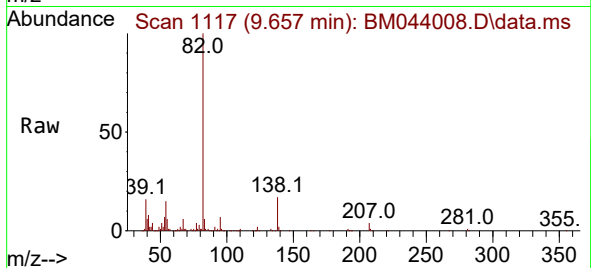
Tgt Ion: 82 Resp: 251692

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

138 16.9 14.2 21.2



#26

2-Nitrophenol

Concen: 2.931 ng

RT: 9.839 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

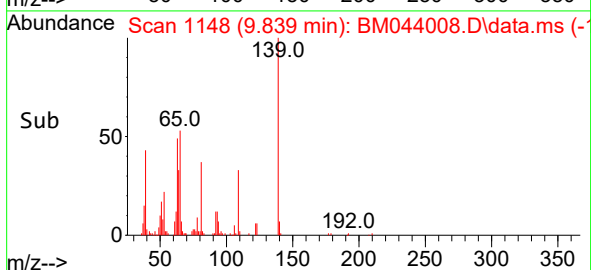
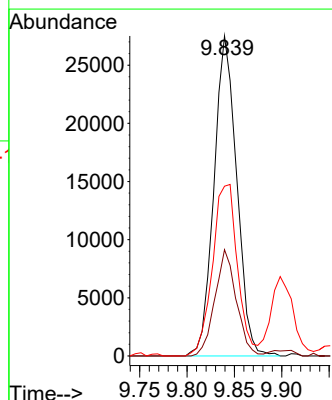
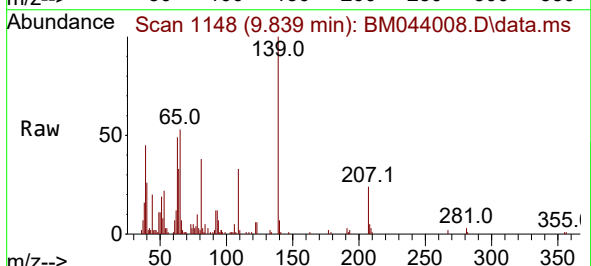
Tgt Ion: 139 Resp: 46010

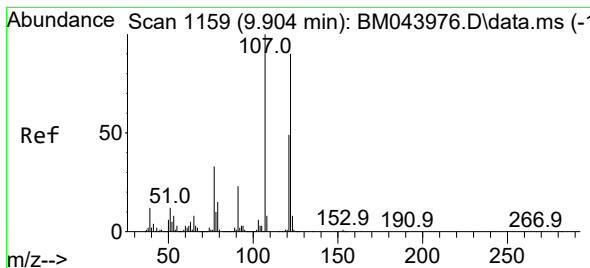
Ion Ratio Lower Upper

139 100

109 33.2 23.3 34.9

65 53.1 42.5 63.7

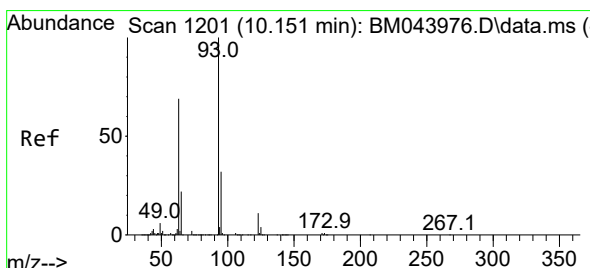
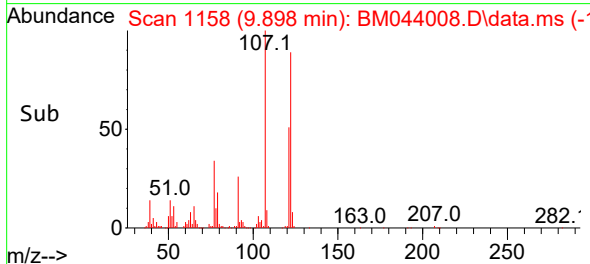
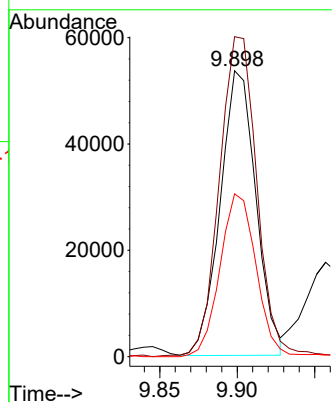
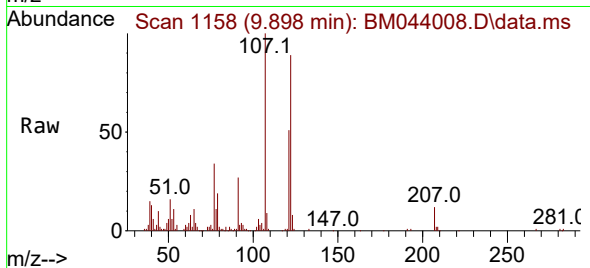




#27
2,4-Dimethylphenol
Concen: 3.986 ng
RT: 9.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

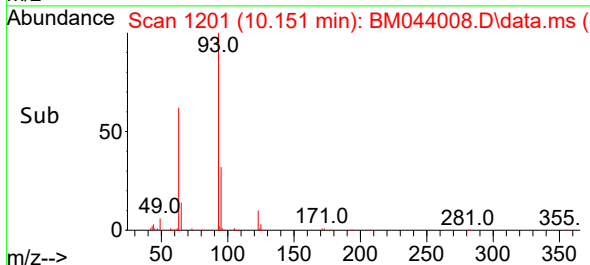
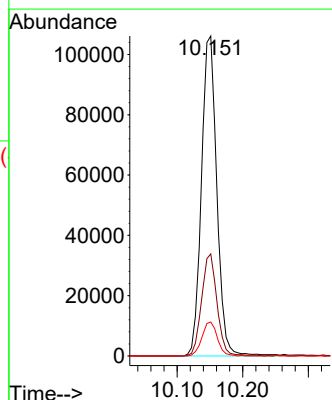
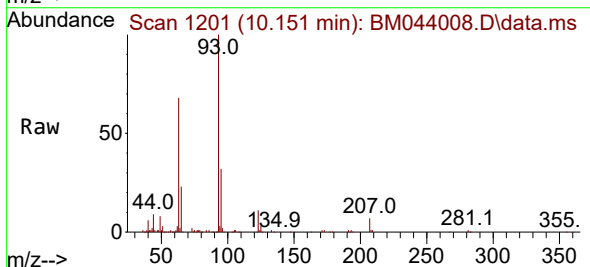
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

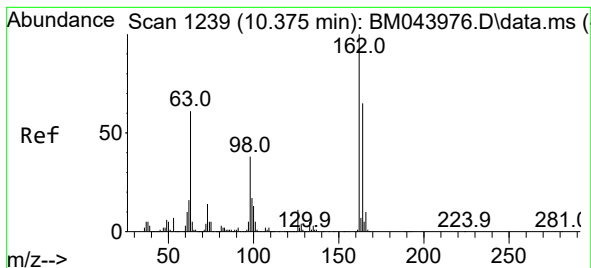
Tgt Ion:122 Resp: 85935
Ion Ratio Lower Upper
122 100
107 111.9 89.0 133.4
121 57.0 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 3.939 ng
RT: 10.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 93 Resp: 173386
Ion Ratio Lower Upper
93 100
95 31.9 25.9 38.9
123 10.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 3.269 ng

RT: 10.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM044008.D

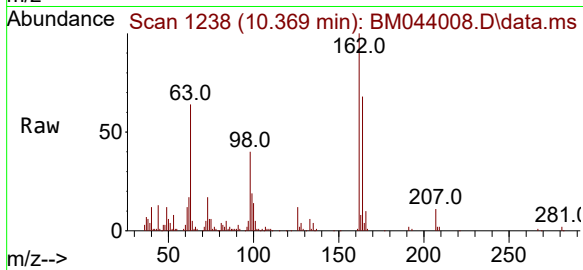
Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



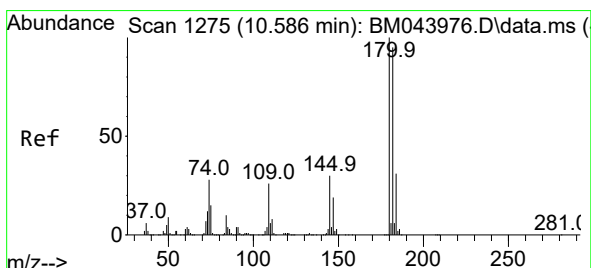
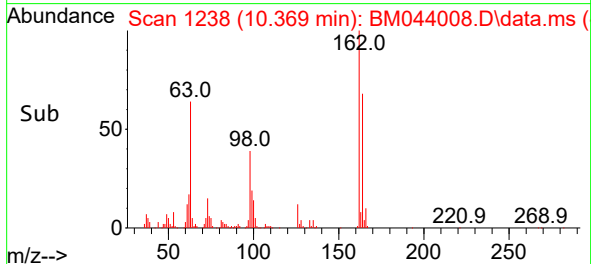
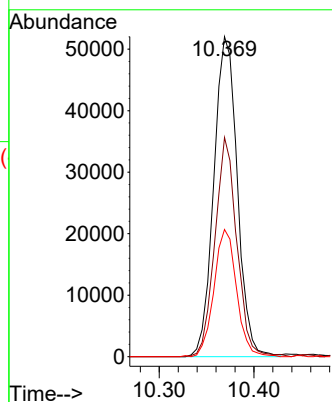
Tgt Ion:162 Resp: 89897

Ion Ratio Lower Upper

162 100

164 68.5 45.1 85.1

98 39.7 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 3.699 ng

RT: 10.586 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

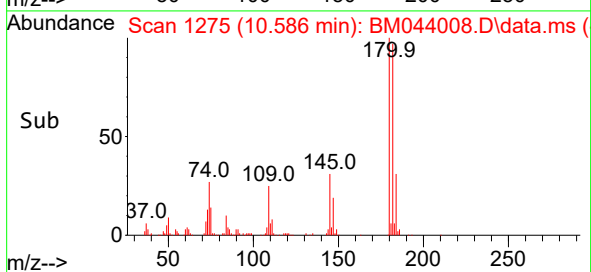
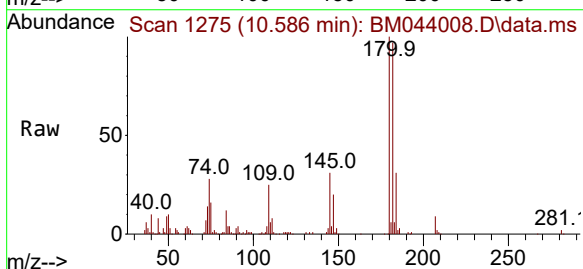
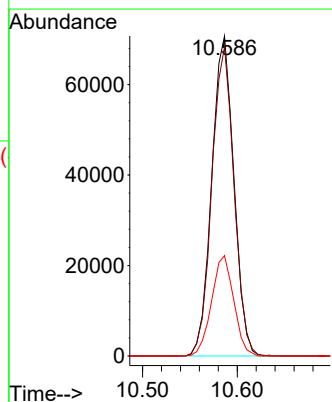
Tgt Ion:180 Resp: 114874

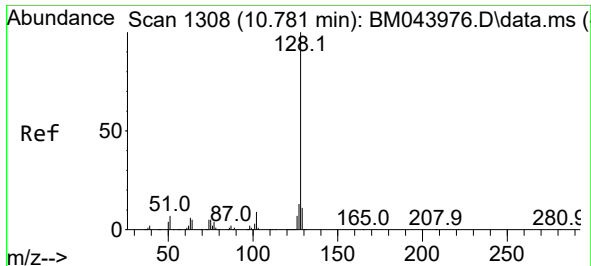
Ion Ratio Lower Upper

180 100

182 96.6 76.0 114.0

145 31.3 24.2 36.2

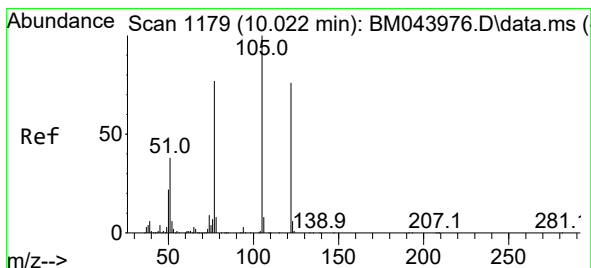
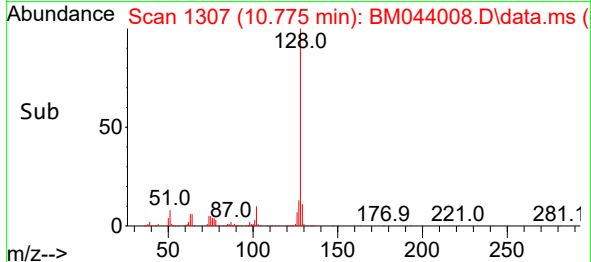
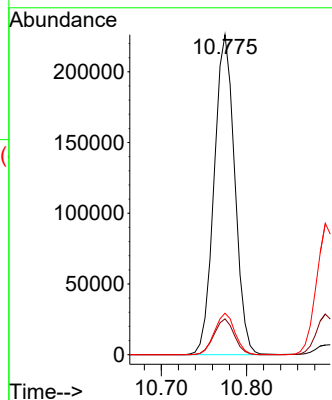
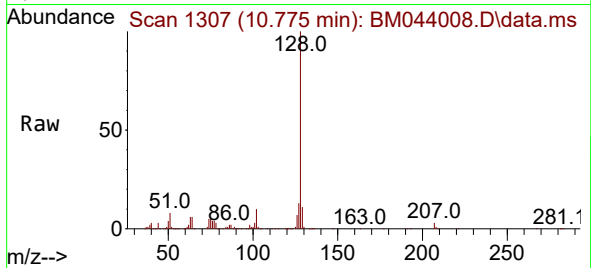




#31
Naphthalene
Concen: 3.648 ng
RT: 10.775 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

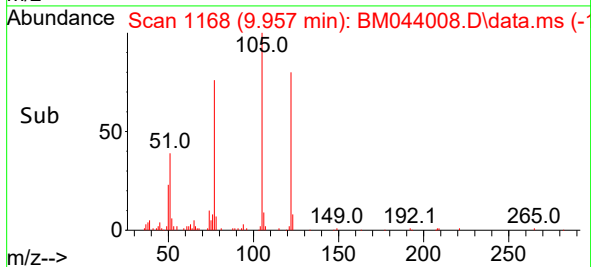
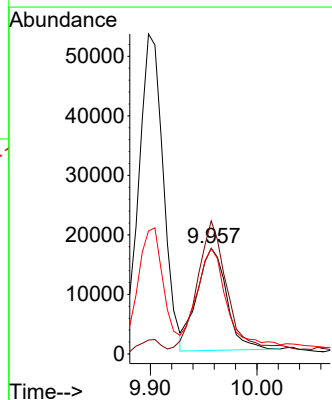
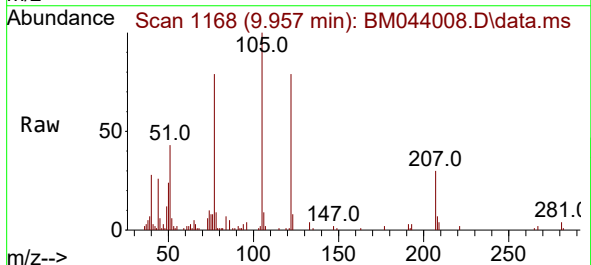
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

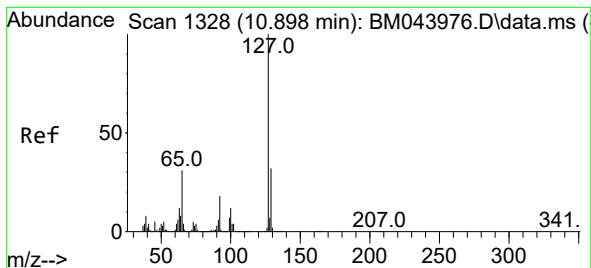
Tgt Ion:128 Resp: 379482
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 13.0 10.1 15.1



#32
Benzoic acid
Concen: 7.896 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.065 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:122 Resp: 33351
Ion Ratio Lower Upper
122 100
105 125.8 109.4 149.4
77 99.5 80.5 120.5

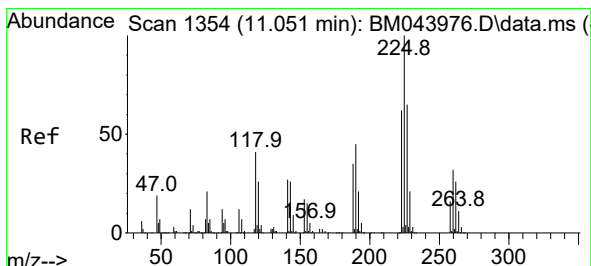
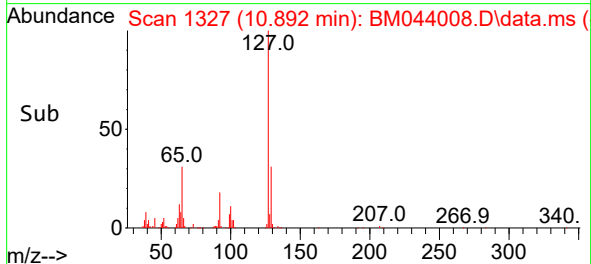
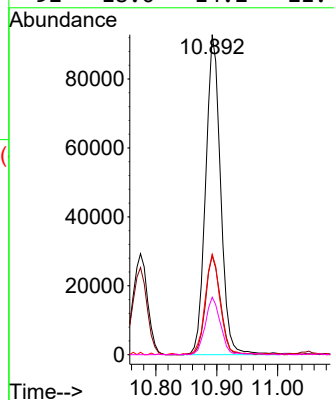
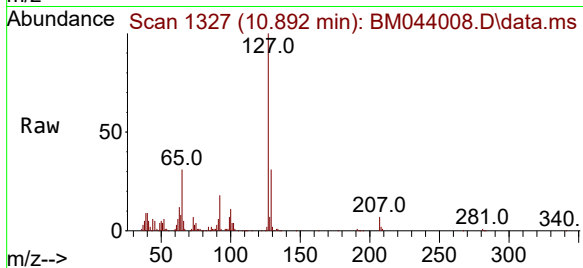




#33
4-Chloroaniline
Concen: 3.709 ng
RT: 10.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

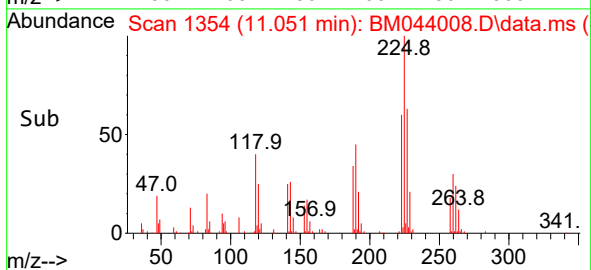
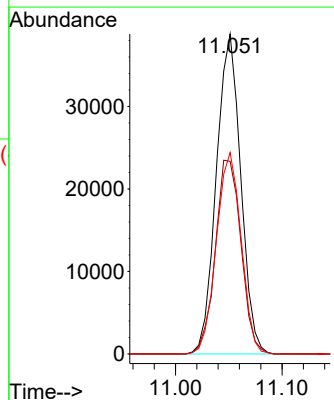
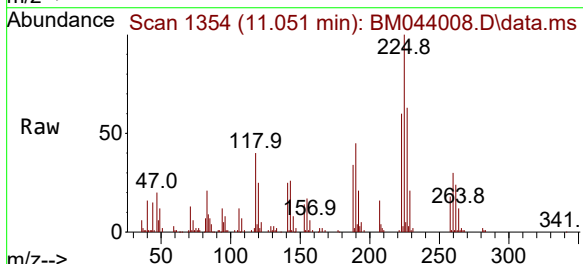
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

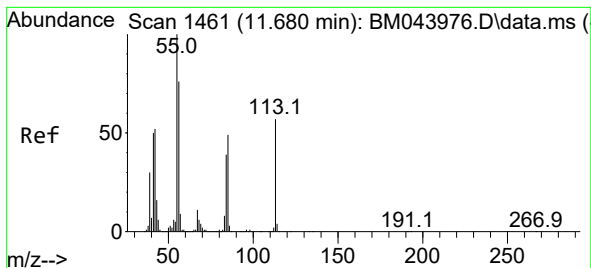
Tgt Ion:	127	Resp:	158598
Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.6	38.4
65	31.4	24.5	36.7
92	18.0	14.2	21.4



#34
Hexachlorobutadiene
Concen: 3.643 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:	225	Resp:	61710
Ion	Ratio	Lower	Upper
225	100		
223	60.2	49.8	74.8
227	62.9	51.7	77.5

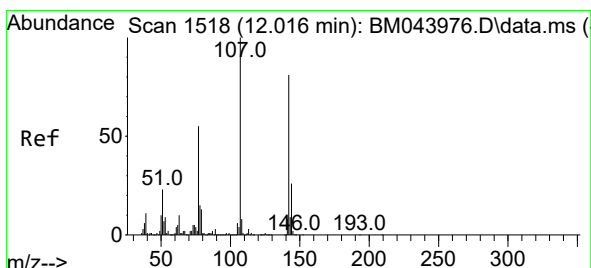
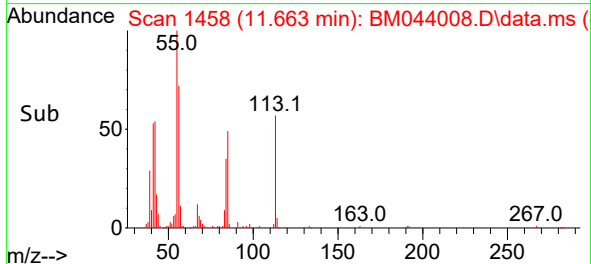
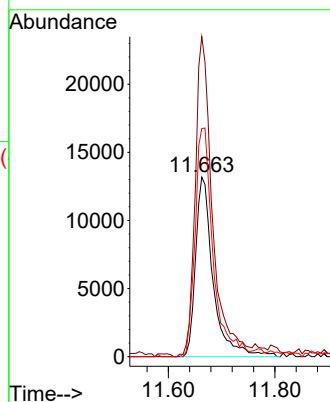
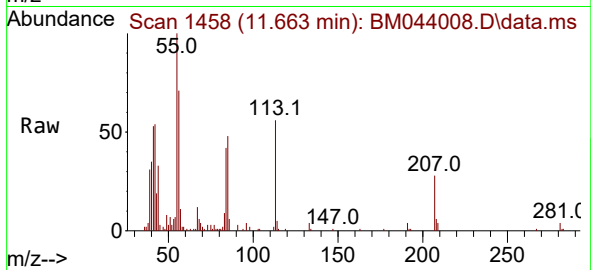




#35
 Caprolactam
 Concen: 2.672 ng
 RT: 11.663 min Scan# 1461
 Delta R.T. -0.018 min
 Lab File: BM044008.D
 Acq: 07 Feb 2024 02:08

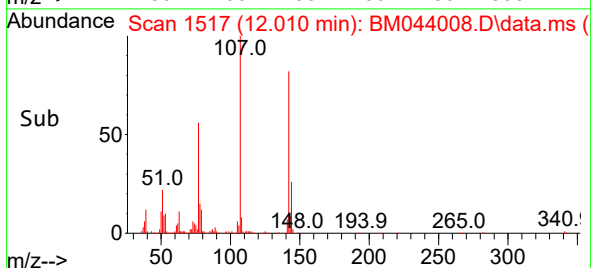
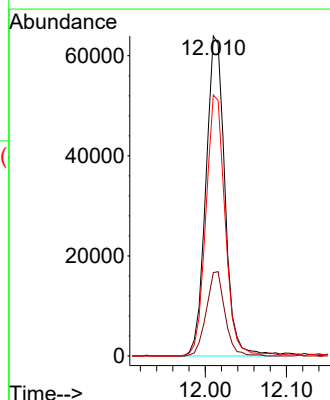
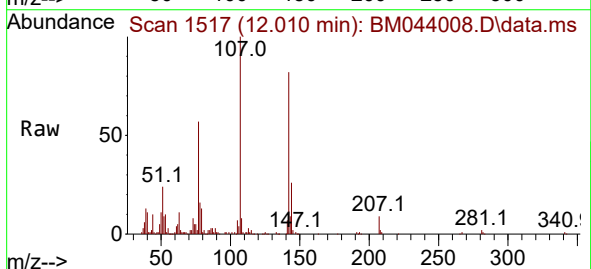
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

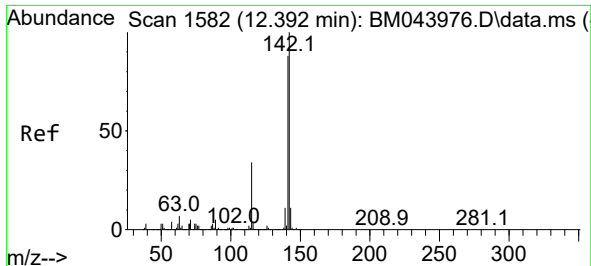
Tgt Ion:113 Resp: 30133
 Ion Ratio Lower Upper
 113 100
 55 178.2 154.3 194.3
 56 127.1 112.2 152.2



#36
 4-Chloro-3-methylphenol
 Concen: 3.091 ng
 RT: 12.010 min Scan# 1517
 Delta R.T. -0.006 min
 Lab File: BM044008.D
 Acq: 07 Feb 2024 02:08

Tgt Ion:107 Resp: 104080
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.1 31.7
 142 81.5 65.0 97.4

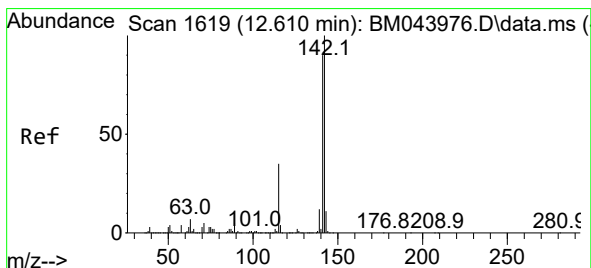
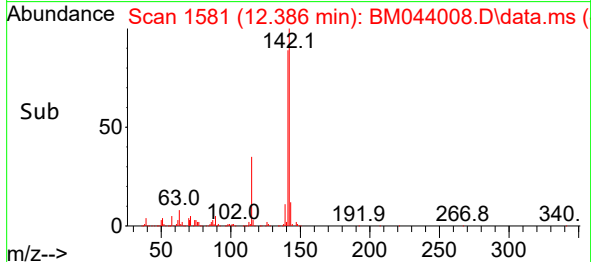
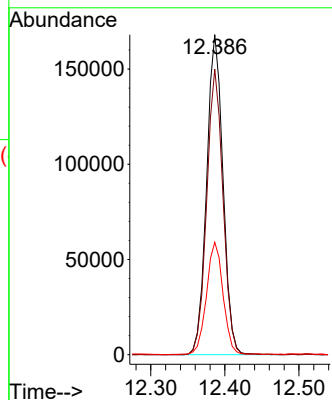
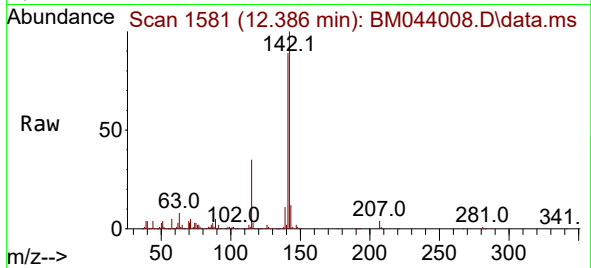




#37
2-Methylnaphthalene
Concen: 3.555 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

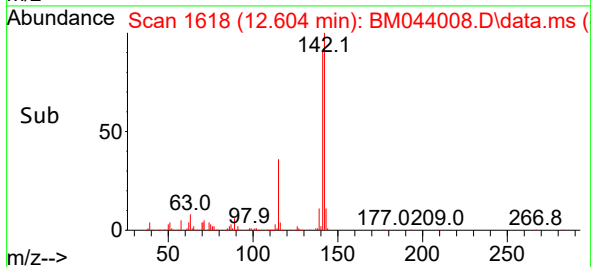
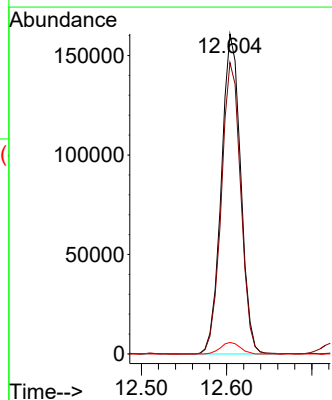
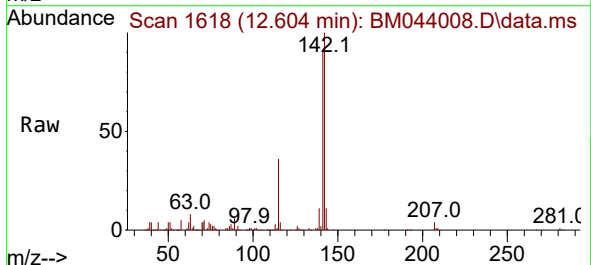
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

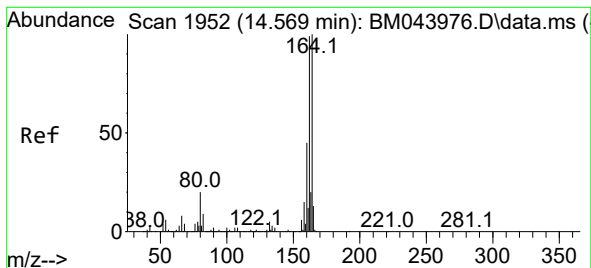
Tgt Ion:142 Resp: 257885
Ion Ratio Lower Upper
142 100
141 89.2 70.2 105.2
115 35.2 27.2 40.8



#38
1-Methylnaphthalene
Concen: 3.510 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:142 Resp: 254202
Ion Ratio Lower Upper
142 100
141 91.0 72.1 108.1
116 3.6 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

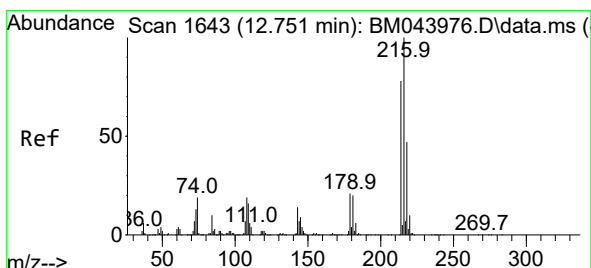
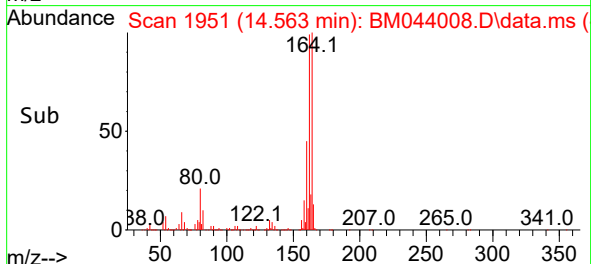
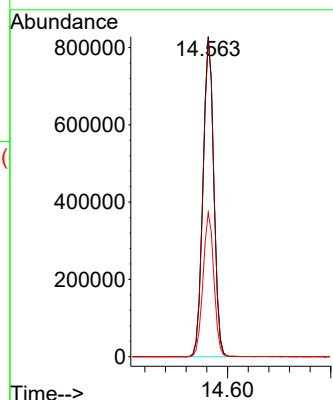
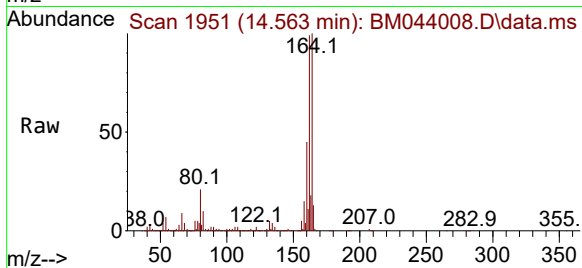
Tgt Ion:164 Resp: 1193975

Ion Ratio Lower Upper

164 100

162 99.0 79.0 118.4

160 45.1 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.815 ng

RT: 12.745 min Scan# 1642

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Tgt Ion:216 Resp: 129176

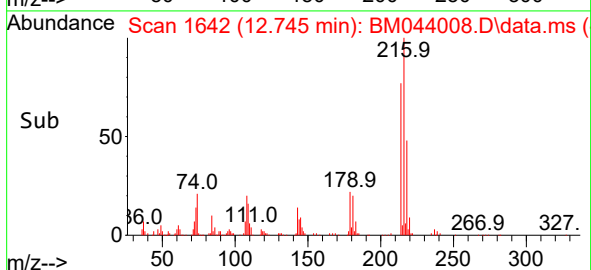
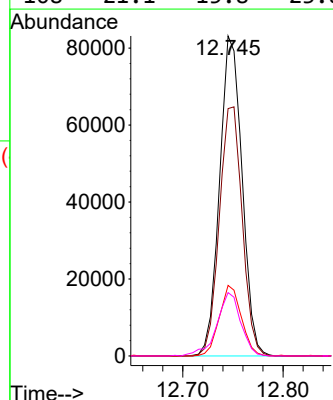
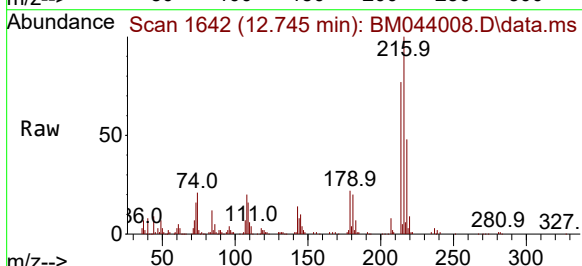
Ion Ratio Lower Upper

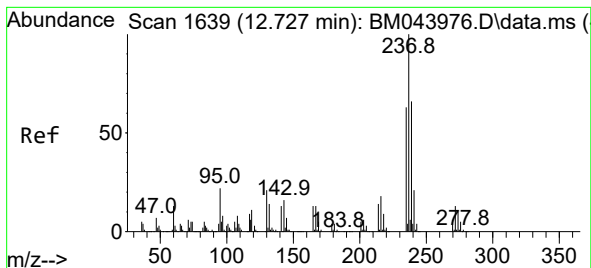
216 100

214 79.2 62.6 94.0

179 21.7 16.7 25.1

108 21.1 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 4.615 ng

RT: 12.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

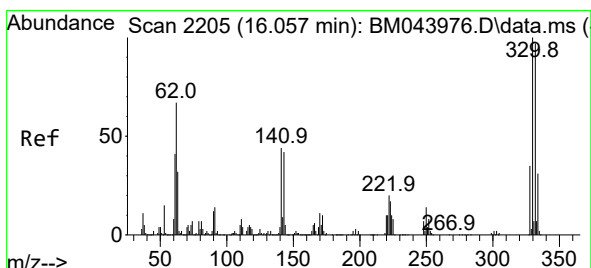
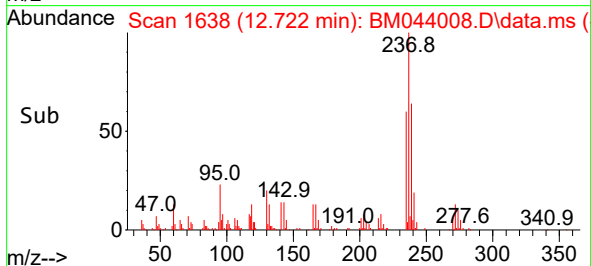
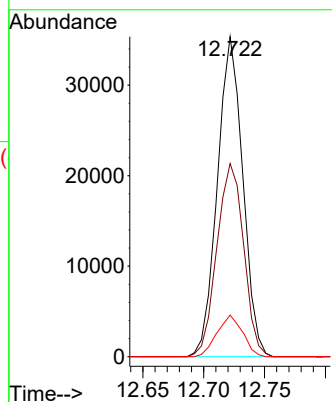
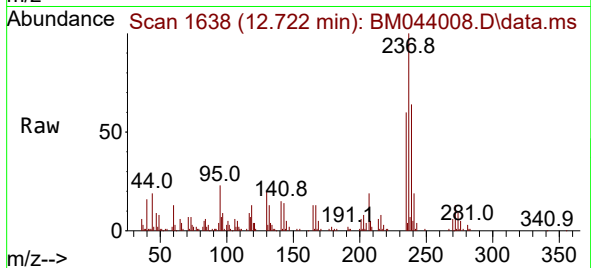
Tgt Ion:237 Resp: 51399

Ion Ratio Lower Upper

237 100

235 60.4 43.5 83.5

272 13.0 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 127.198 ng

RT: 16.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

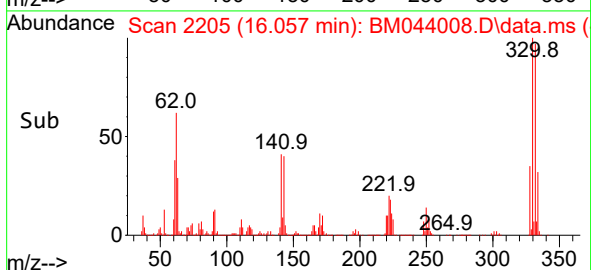
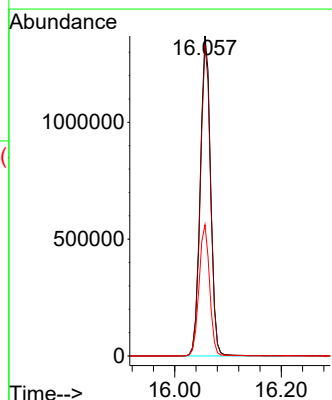
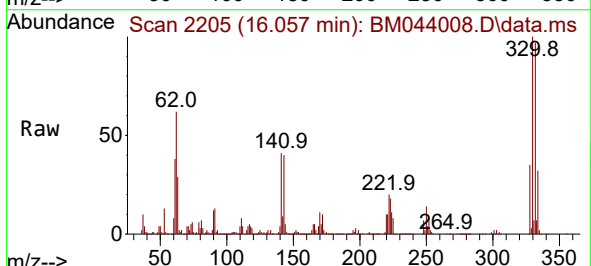
Tgt Ion:330 Resp: 1851293

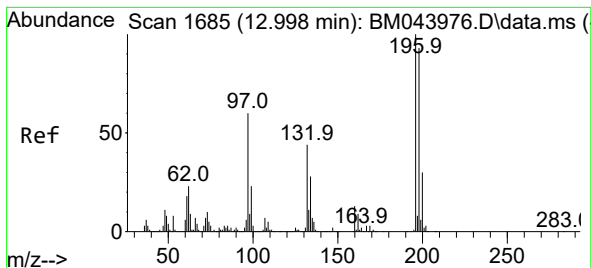
Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 41.5 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 3.002 ng

RT: 12.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044008.D

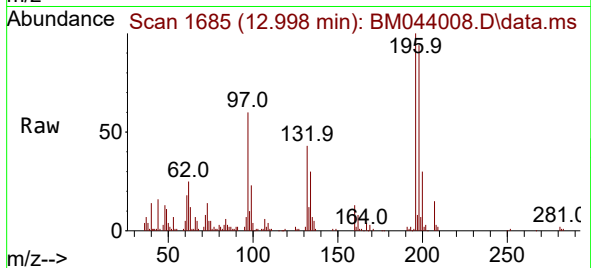
Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



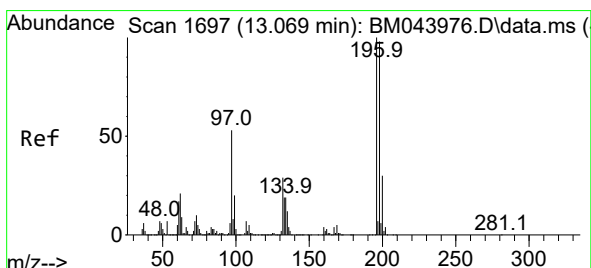
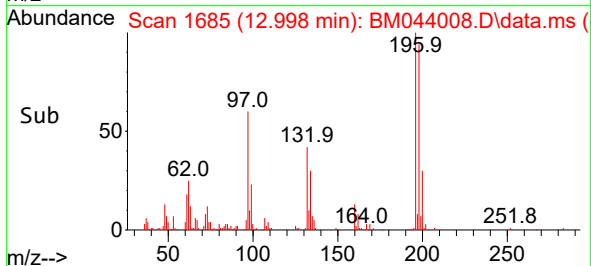
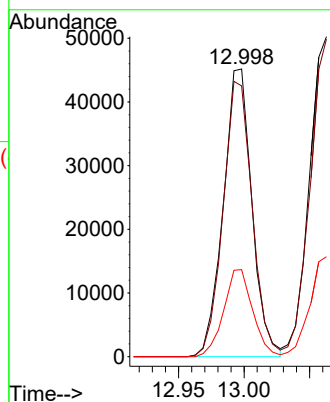
Tgt Ion:196 Resp: 68705

Ion Ratio Lower Upper

196 100

198 94.1 74.2 111.2

200 30.3 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 3.072 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Tgt Ion:196 Resp: 80214

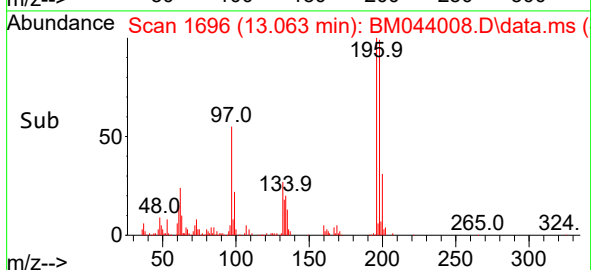
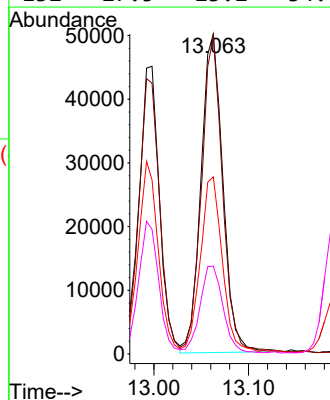
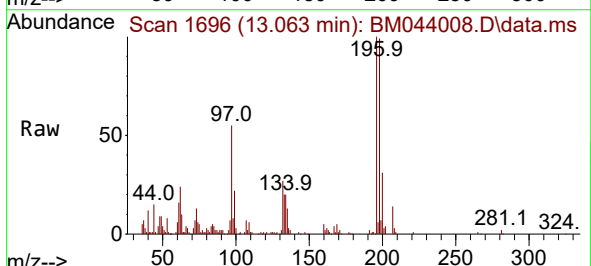
Ion Ratio Lower Upper

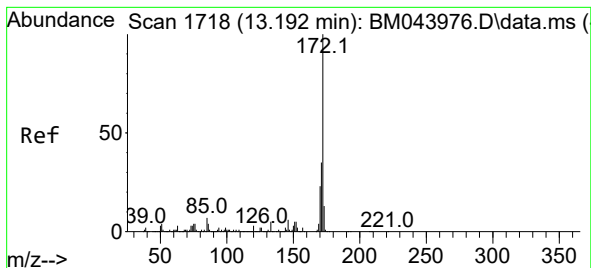
196 100

198 99.3 78.1 117.1

97 55.4 42.2 63.2

132 27.5 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 82.311 ng

RT: 13.192 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

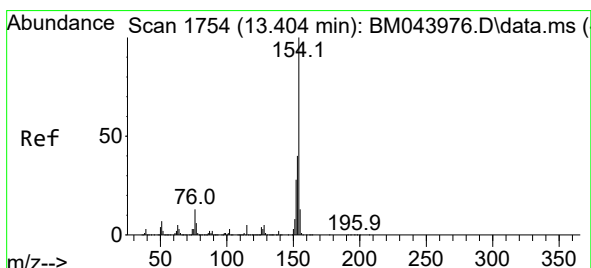
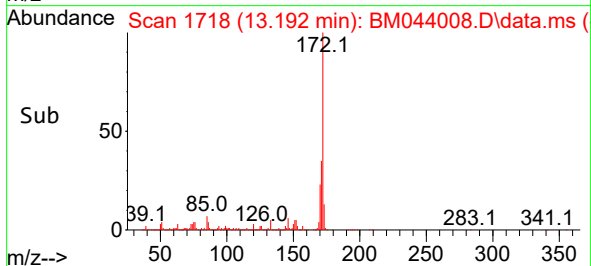
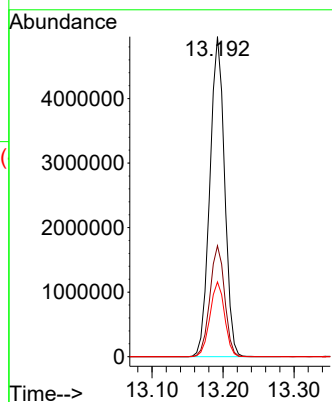
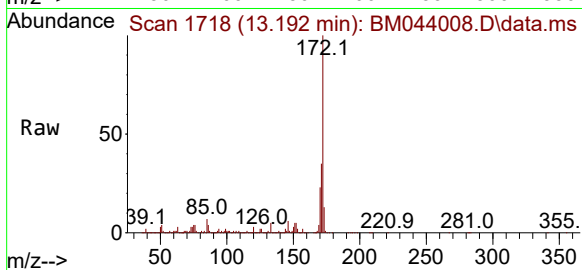
Tgt Ion:172 Resp: 7152292

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 3.766 ng

RT: 13.398 min Scan# 1753

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

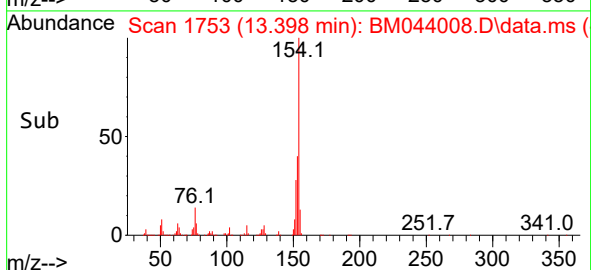
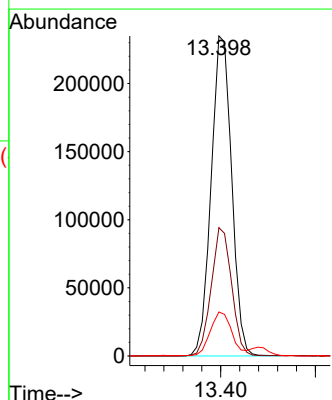
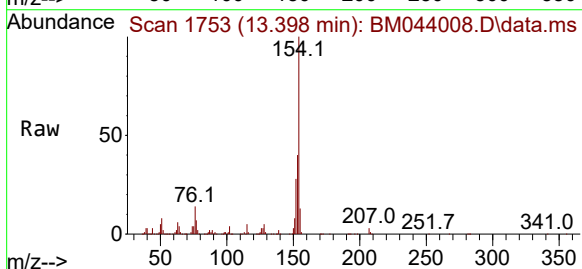
Tgt Ion:154 Resp: 353602

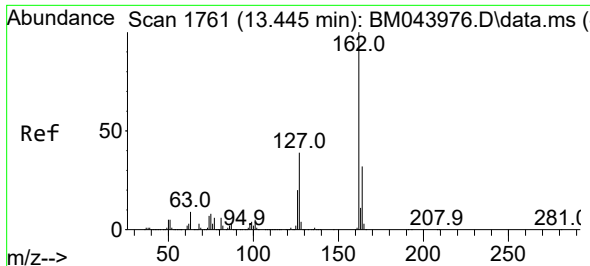
Ion Ratio Lower Upper

154 100

153 40.1 19.8 59.8

76 13.7 0.0 33.0

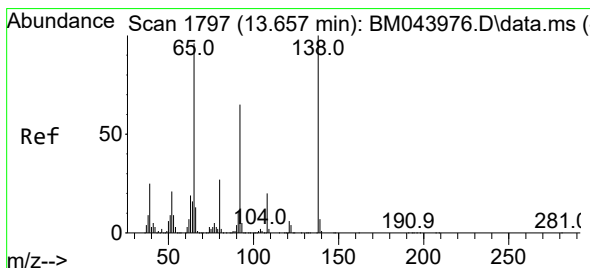
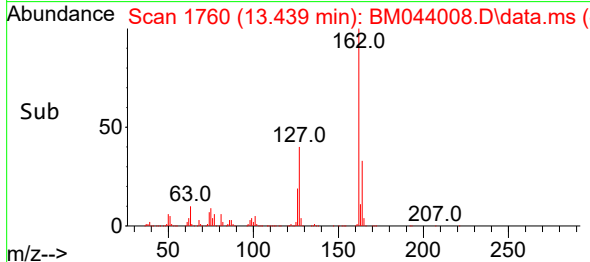
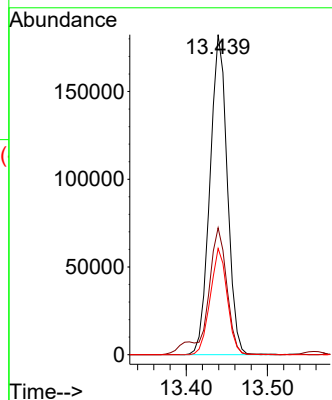
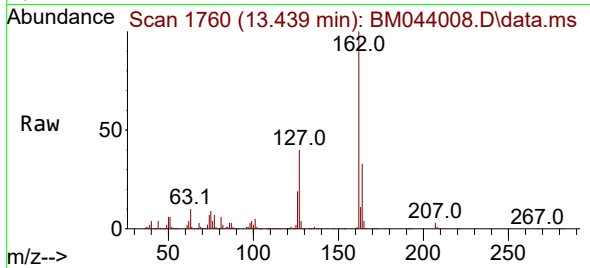




#47
2-Chloronaphthalene
Concen: 3.612 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

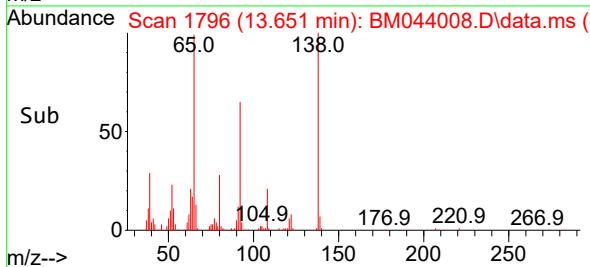
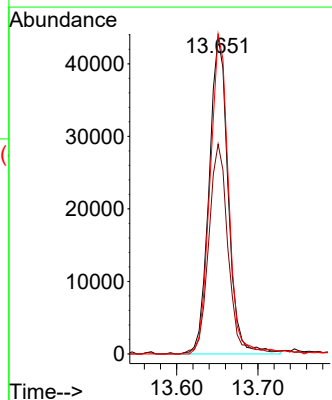
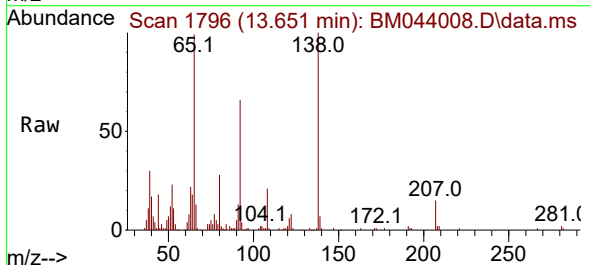
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

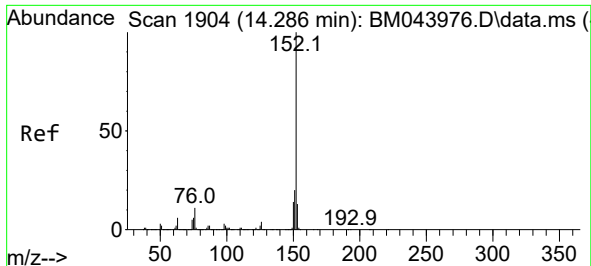
Tgt Ion:162 Resp: 270438
Ion Ratio Lower Upper
162 100
127 39.6 31.0 46.6
164 33.2 25.8 38.6



#48
2-Nitroaniline
Concen: 2.930 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion: 65 Resp: 71354
Ion Ratio Lower Upper
65 100
92 66.2 53.6 80.4
138 100.9 83.0 124.6

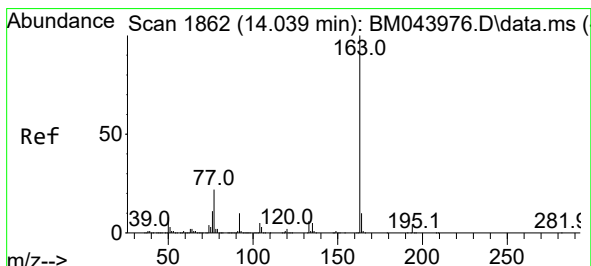
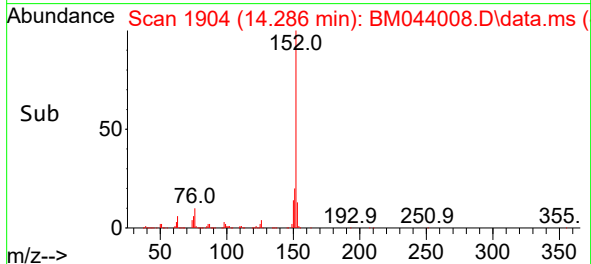
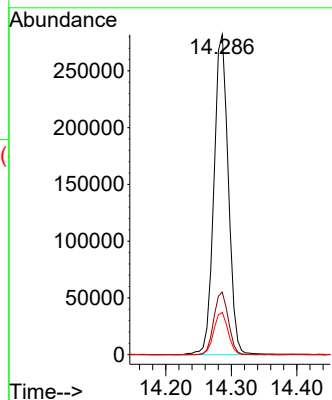
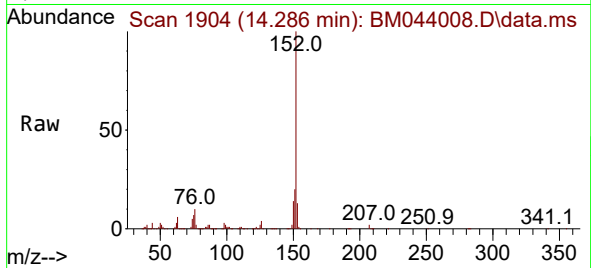




#49
Acenaphthylene
Concen: 3.751 ng
RT: 14.286 min Scan# 1904
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

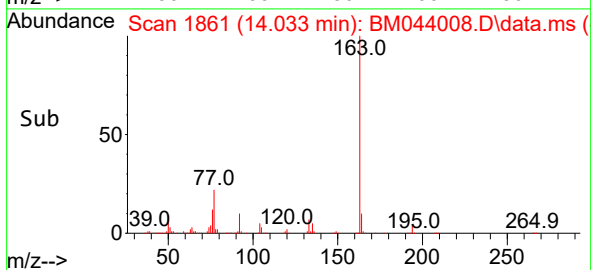
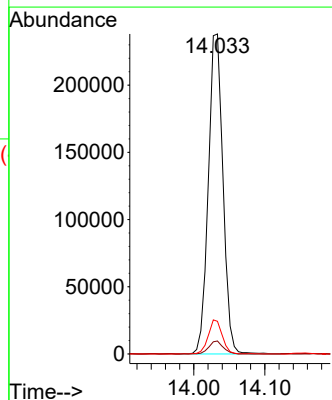
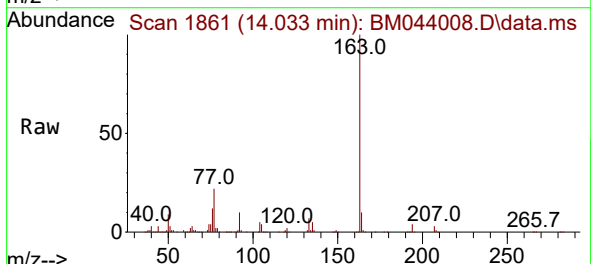
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

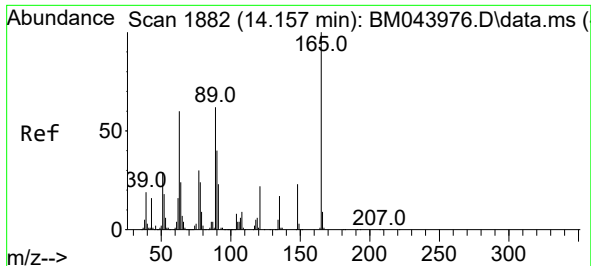
Tgt Ion:152 Resp: 429366
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.2 10.4 15.6



#50
Dimethylphthalate
Concen: 3.690 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:163 Resp: 342185
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 3.059 ng

RT: 14.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

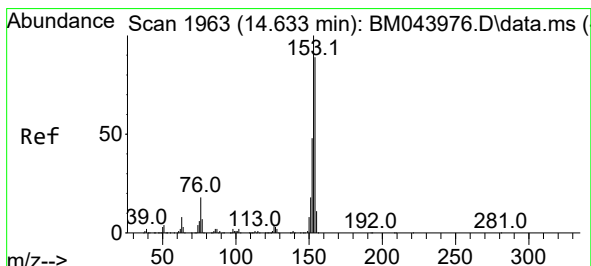
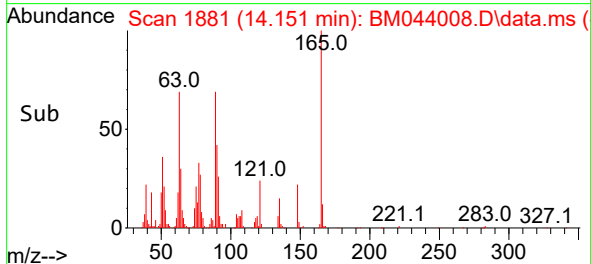
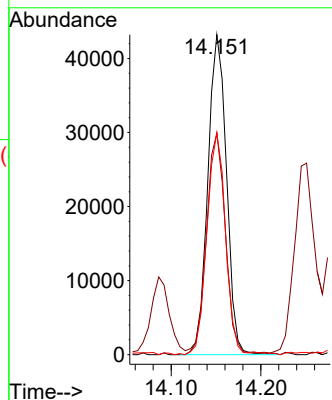
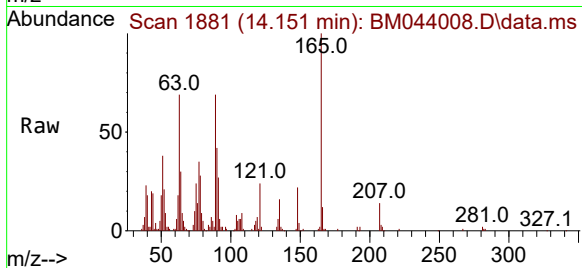
Tgt Ion:165 Resp: 62353

Ion Ratio Lower Upper

165 100

63 69.2 51.1 76.7

89 69.3 49.5 74.3



#52

Acenaphthene

Concen: 3.475 ng

RT: 14.627 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

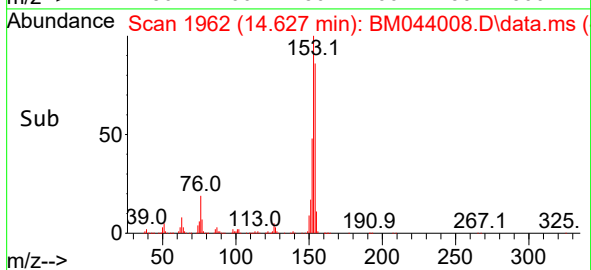
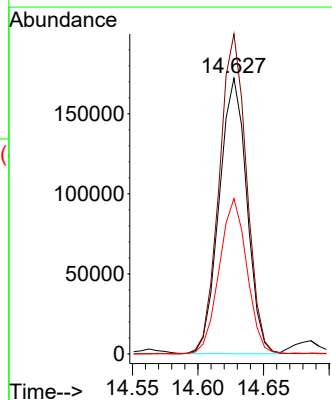
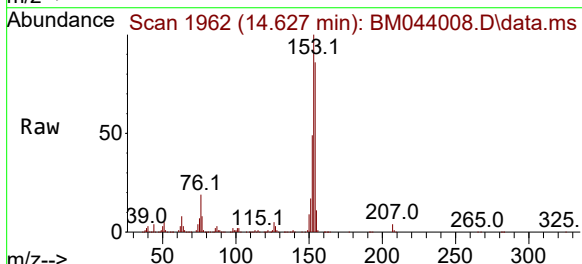
Tgt Ion:154 Resp: 252118

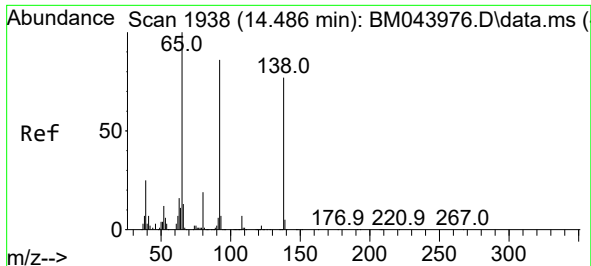
Ion Ratio Lower Upper

154 100

153 116.0 90.1 135.1

152 56.3 43.6 65.4

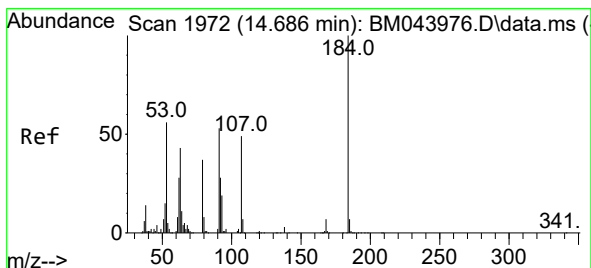
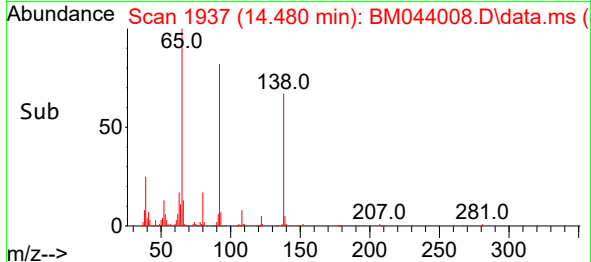
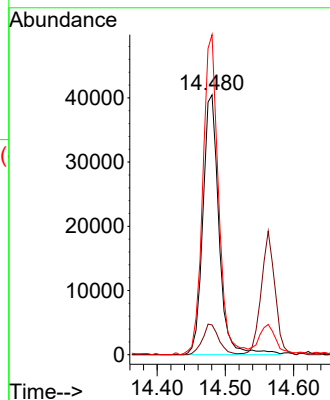
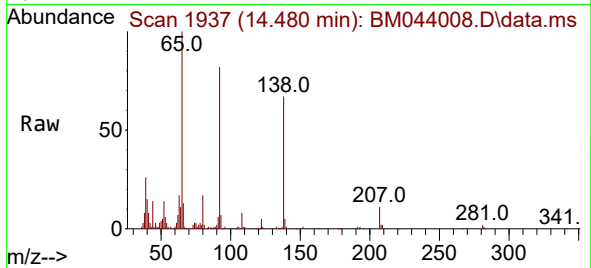




#53
3-Nitroaniline
Concen: 2.806 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

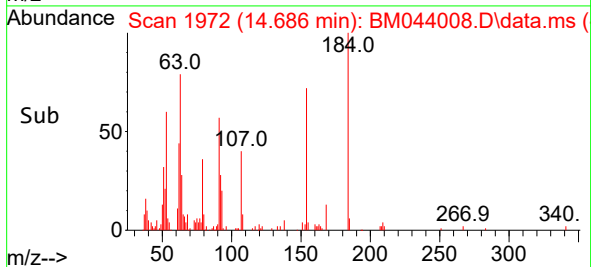
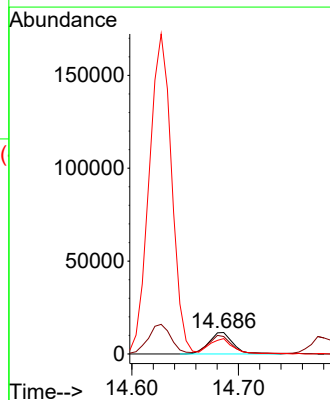
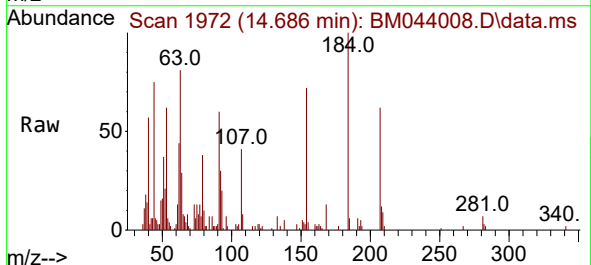
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

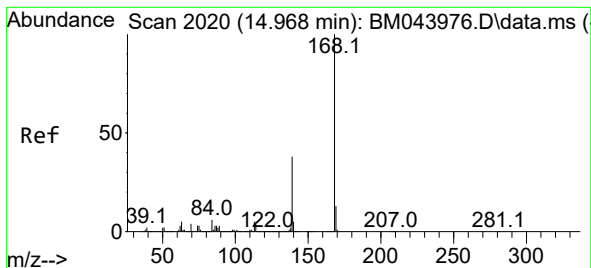
Tgt Ion:138 Resp: 66413
Ion Ratio Lower Upper
138 100
108 11.5 7.8 11.6
92 123.1 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 8.722 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:184 Resp: 18149
Ion Ratio Lower Upper
184 100
63 81.5 62.8 94.2
154 72.0 51.4 77.2





#55

Dibenzenofuran

Concen: 3.737 ng

RT: 14.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

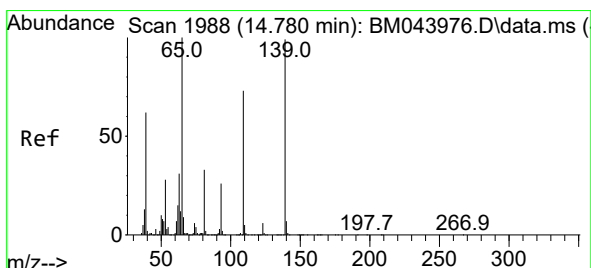
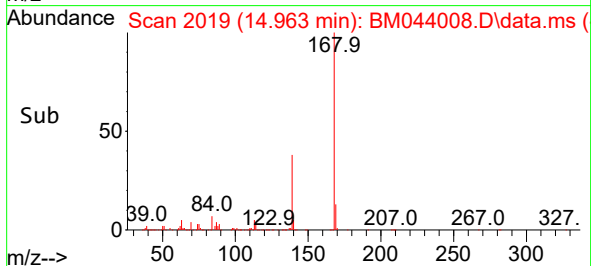
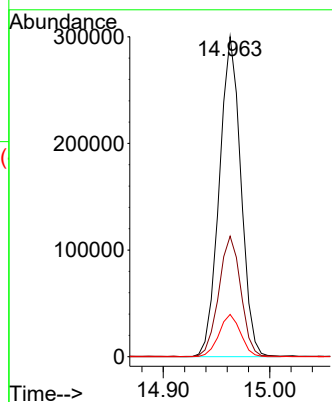
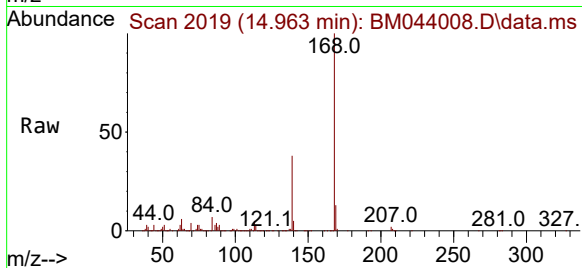
Tgt Ion:168 Resp: 422006

Ion Ratio Lower Upper

168 100

139 37.6 30.7 46.1

169 13.2 10.5 15.7



#56

4-Nitrophenol

Concen: 2.303 ng

RT: 14.780 min Scan# 1988

Delta R.T. 0.000 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

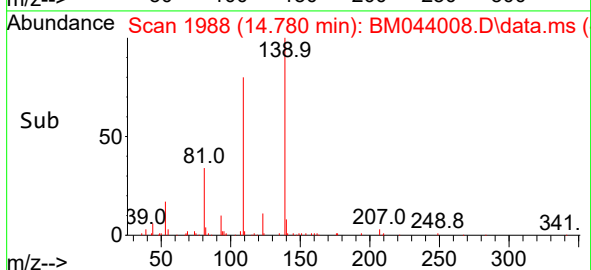
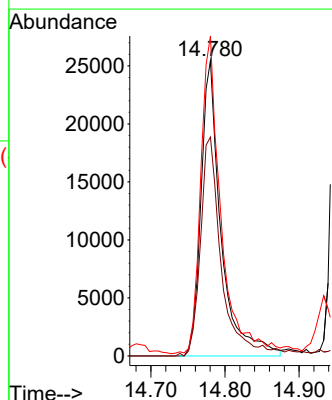
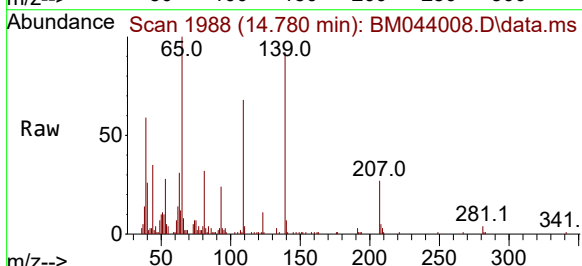
Tgt Ion:139 Resp: 47627

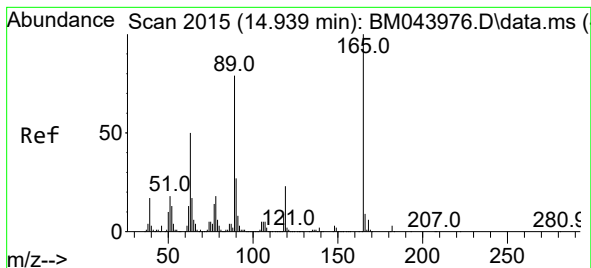
Ion Ratio Lower Upper

139 100

109 74.1 53.2 93.2

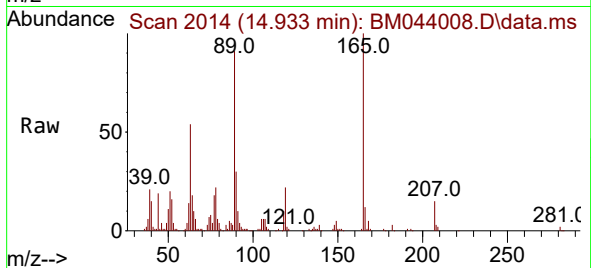
65 108.4 80.7 120.7



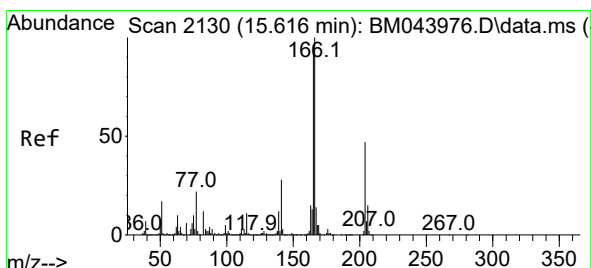
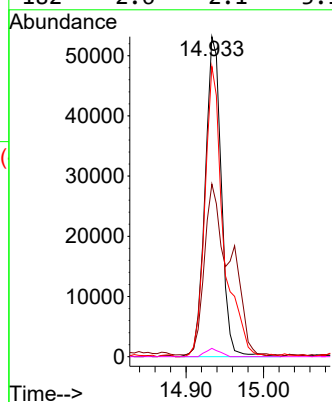
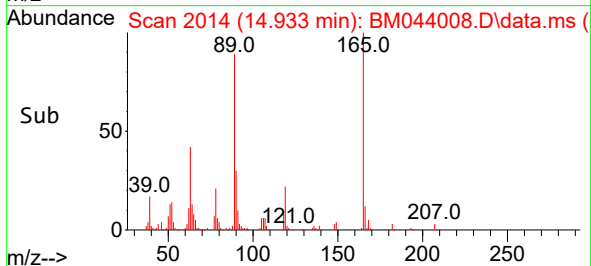


#57
2,4-Dinitrotoluene
Concen: 2.719 ng
RT: 14.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

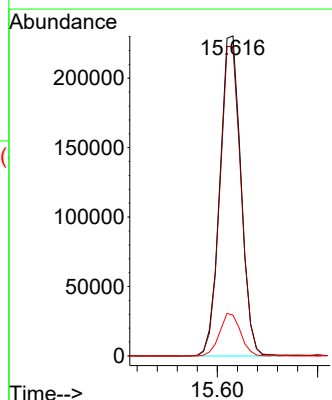
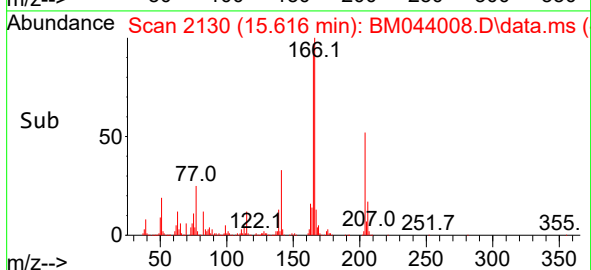
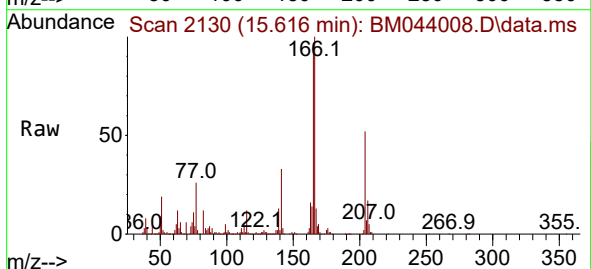


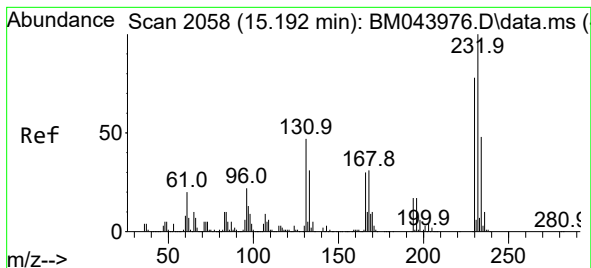
Tgt Ion:165 Resp: 77158
Ion Ratio Lower Upper
165 100
63 54.0 40.2 60.4
89 90.7 63.3 94.9
182 2.6 2.1 3.1



#58
Fluorene
Concen: 3.518 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:166 Resp: 335459
Ion Ratio Lower Upper
166 100
165 96.5 76.3 114.5
167 12.7 10.9 16.3

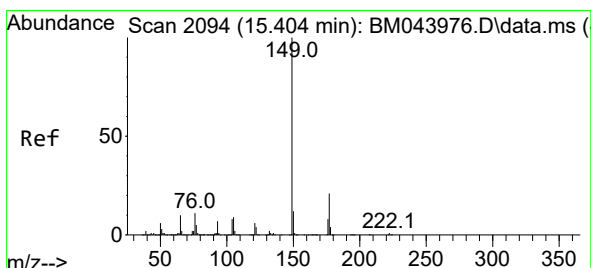
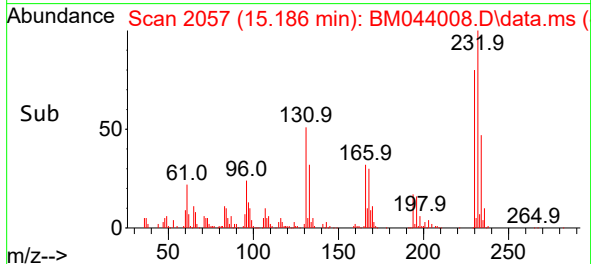
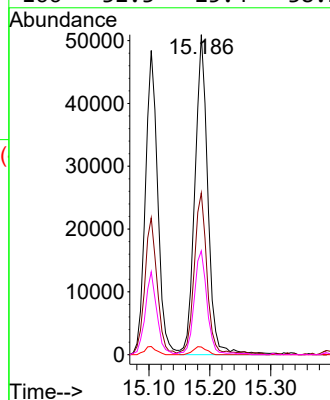
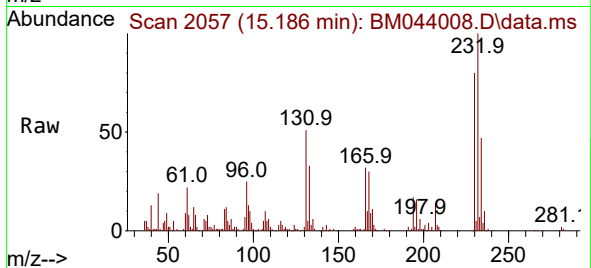




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.340 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

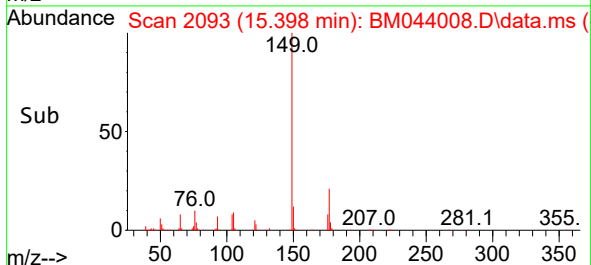
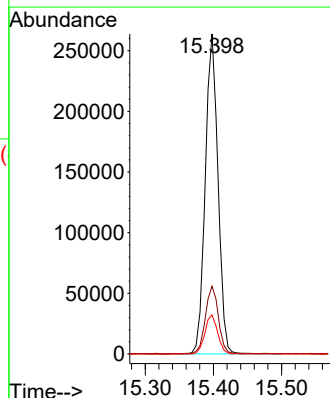
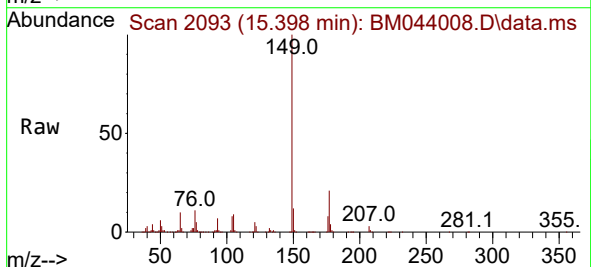
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

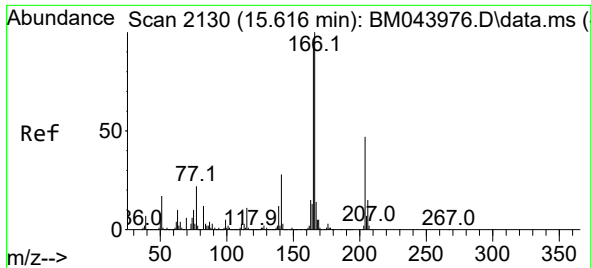
Tgt Ion:232	Resp:	75169
Ion Ratio	Lower	Upper
232	100	
131	48.3	39.8 59.6
130	2.6	2.0 3.0
166	32.3	25.4 38.2



#60
Diethylphthalate
Concen: 3.569 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:149	Resp:	342690
Ion Ratio	Lower	Upper
149	100	
177	21.1	17.1 25.7
150	12.2	9.8 14.6

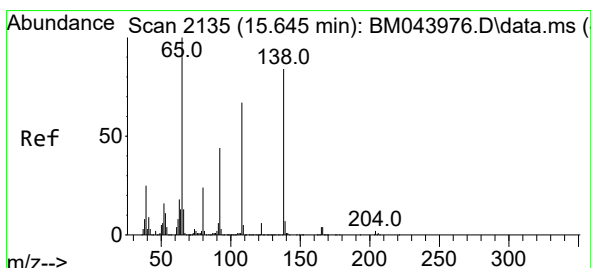
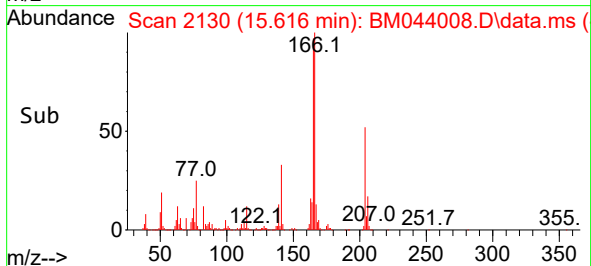
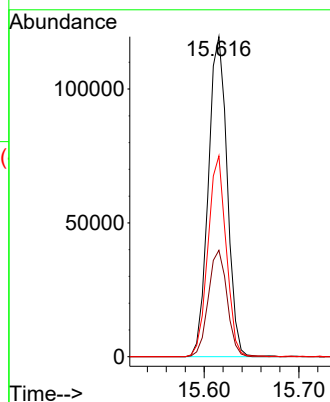
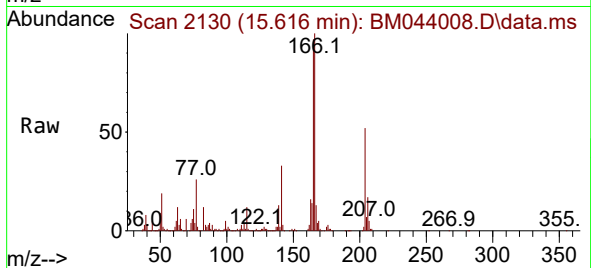




#61
4-Chlorophenyl-phenylether
Concen: 3.721 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

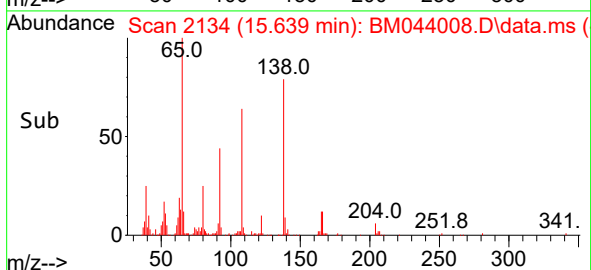
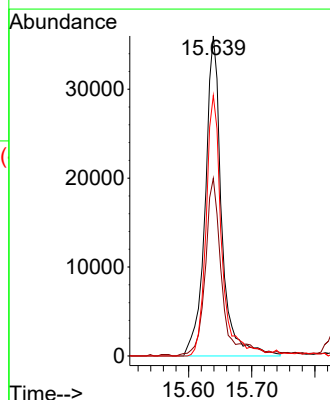
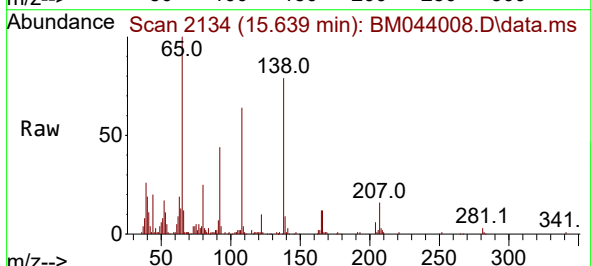
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

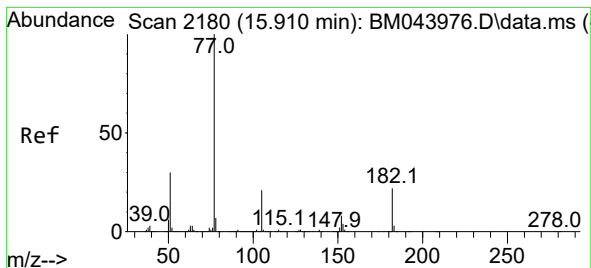
Tgt Ion:204 Resp: 165537
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.2
141 62.7 48.6 72.8



#62
4-Nitroaniline
Concen: 2.517 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:138 Resp: 65132
Ion Ratio Lower Upper
138 100
92 55.5 32.7 72.7
108 81.4 60.0 100.0





#63

Azobenzene

Concen: 3.475 ng

RT: 15.910 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BM044008.D

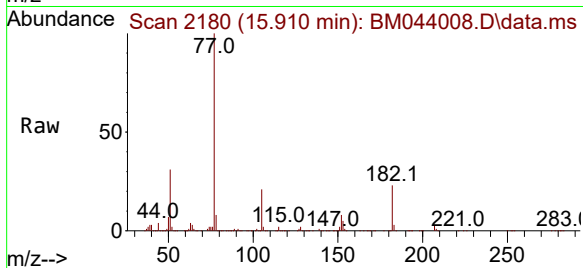
Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 77 Resp: 333255

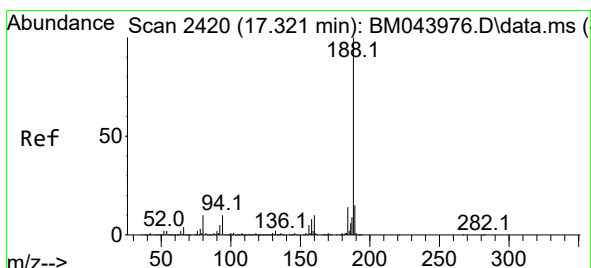
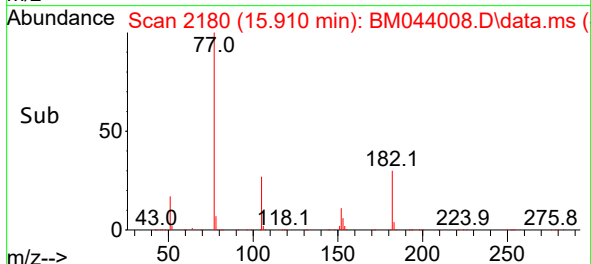
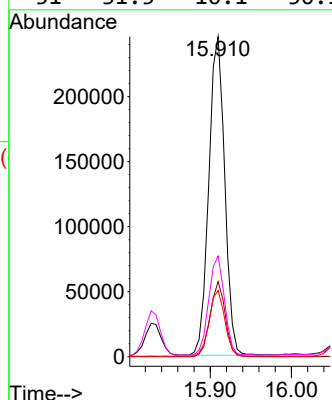
Ion Ratio Lower Upper

77 100

182 23.4 2.0 42.0

105 20.7 0.5 40.5

51 31.5 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: BM044008.D

Acq: 07 Feb 2024 02:08

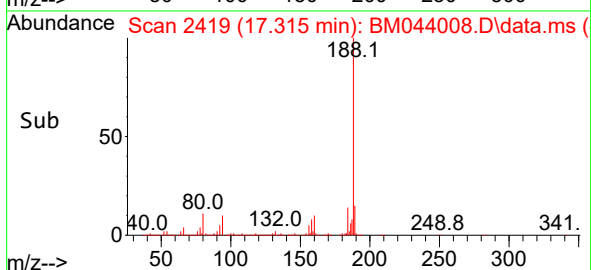
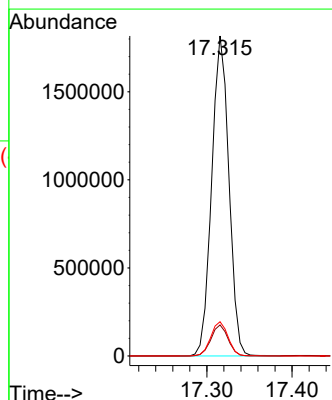
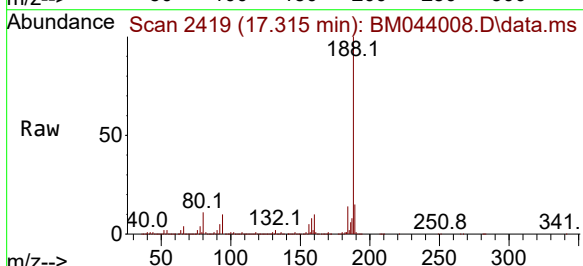
Tgt Ion: 188 Resp: 2546705

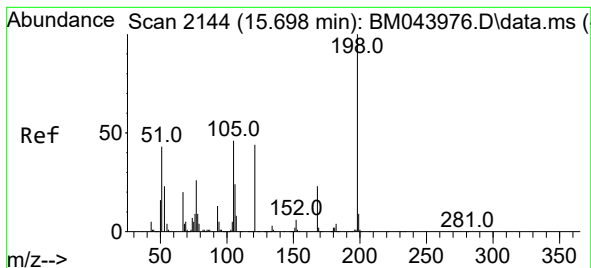
Ion Ratio Lower Upper

188 100

94 9.7 7.7 11.5

80 10.7 8.2 12.4

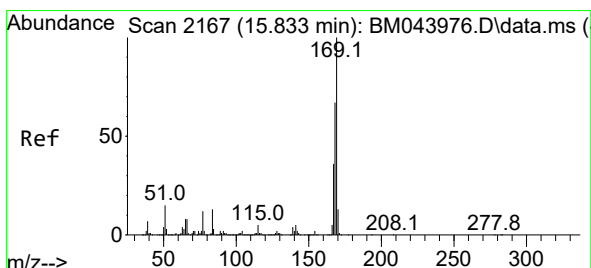
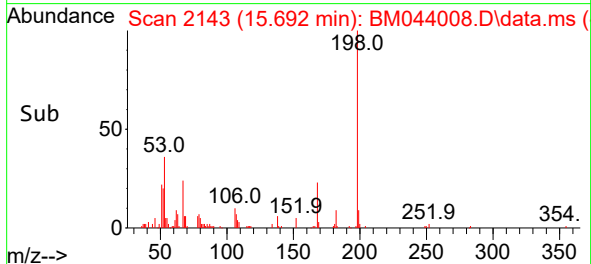
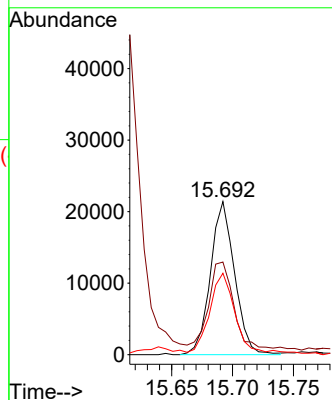
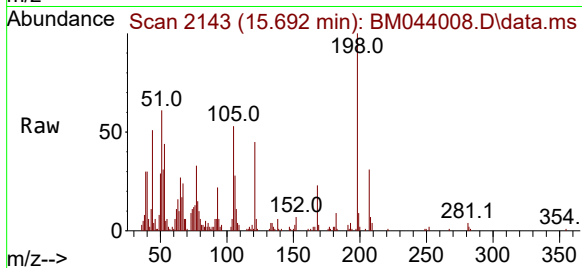




#65
4,6-Dinitro-2-methylphenol
Concen: 7.837 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

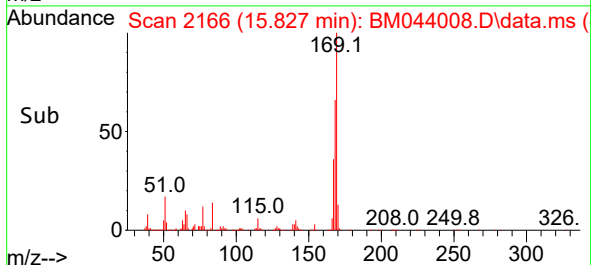
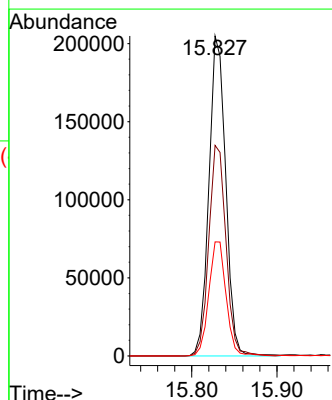
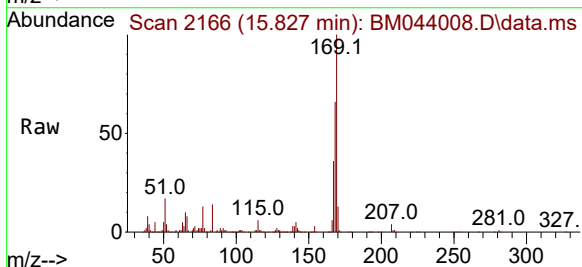
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

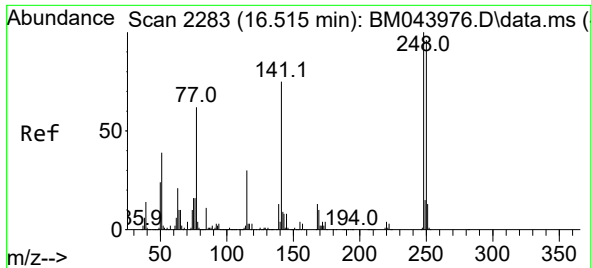
Tgt Ion:198 Resp: 29575
Ion Ratio Lower Upper
198 100
51 60.5 31.9 71.9
105 53.2 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 3.693 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:169 Resp: 280174
Ion Ratio Lower Upper
169 100
168 65.8 53.4 80.2
167 35.7 29.0 43.4

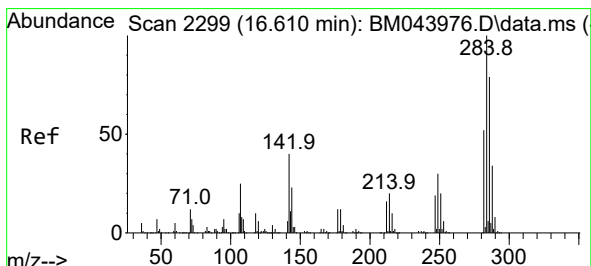
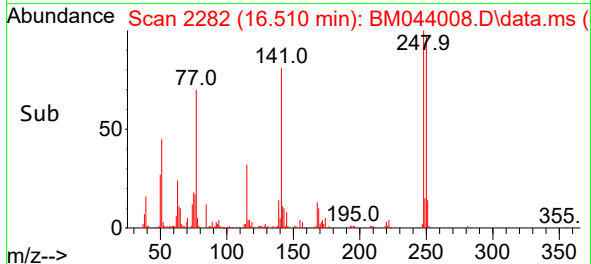
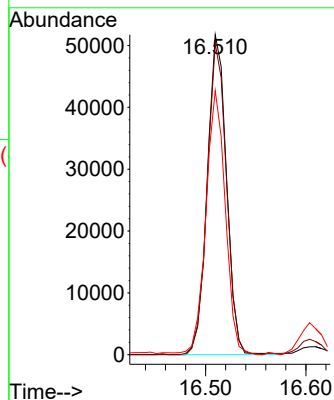
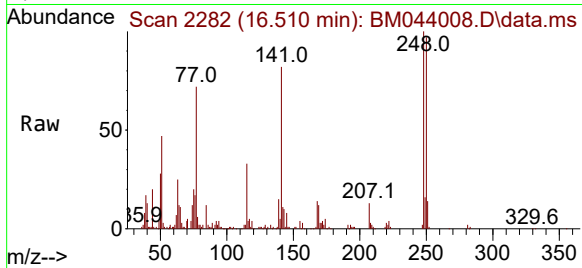




#67
4-Bromophenyl-phenylether
Concen: 2.745 ng
RT: 16.510 min Scan# 211
Delta R.T. -0.005 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

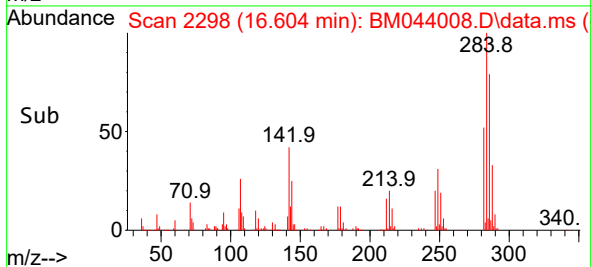
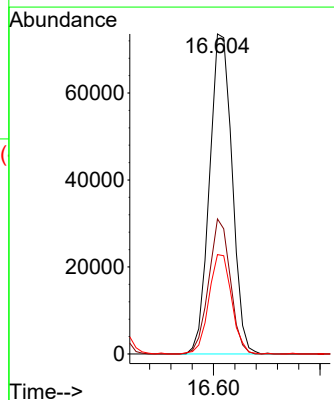
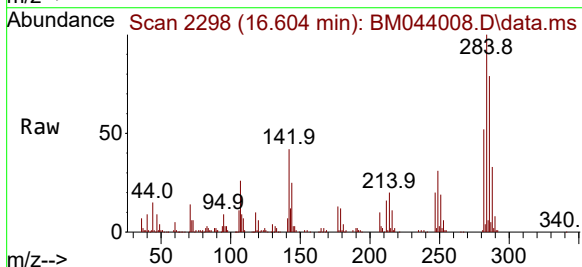
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

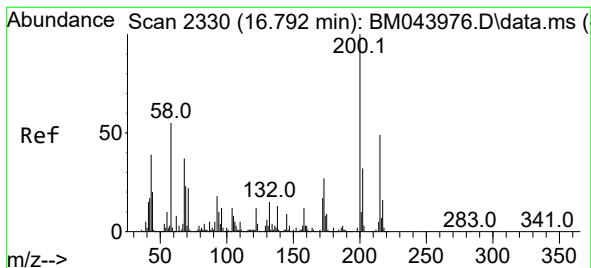
Tgt Ion:248 Resp: 68869
Ion Ratio Lower Upper
248 100
250 97.2 77.0 115.4
141 82.5 59.9 89.9



#68
Hexachlorobenzene
Concen: 3.620 ng
RT: 16.604 min Scan# 2298
Delta R.T. -0.006 min
Lab File: BM044008.D
Acq: 07 Feb 2024 02:08

Tgt Ion:284 Resp: 108274
Ion Ratio Lower Upper
284 100
142 42.2 32.2 48.4
249 31.1 24.4 36.6





#69

Atrazine

Concen: 4.232 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

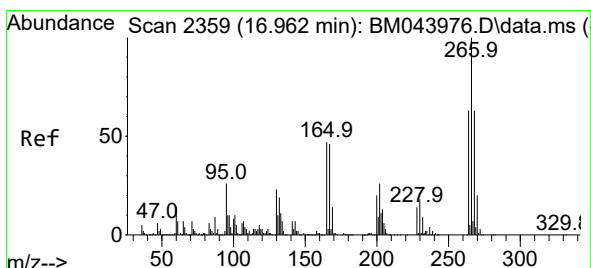
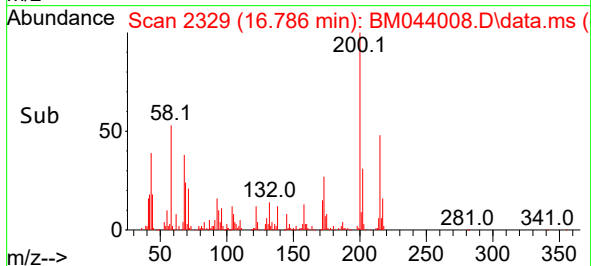
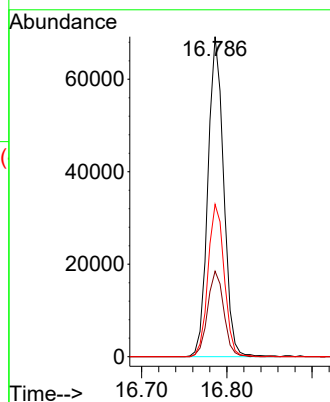
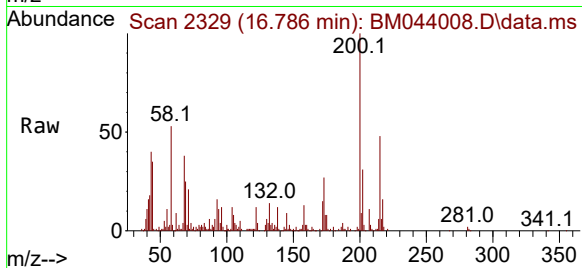
Tgt Ion:200 Resp: 88817

Ion Ratio Lower Upper

200 100

173 26.7 7.3 47.3

215 47.6 28.7 68.7



#70

Pentachlorophenol

Concen: 2.403 ng

RT: 16.957 min Scan# 2358

Delta R.T. -0.005 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

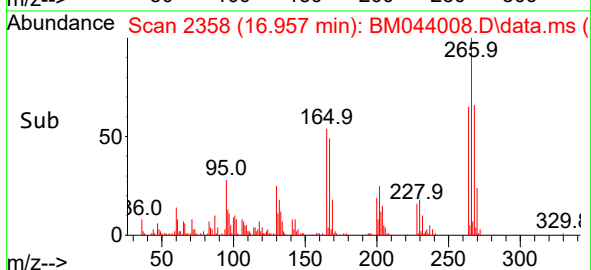
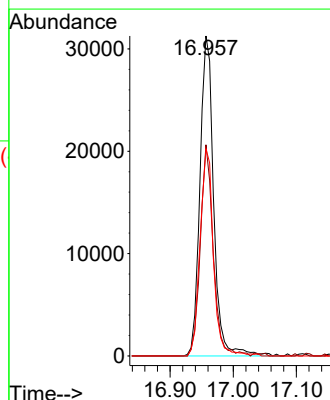
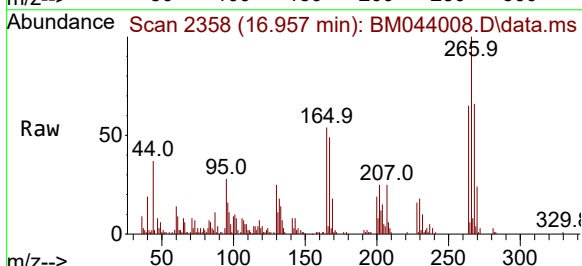
Tgt Ion:266 Resp: 47199

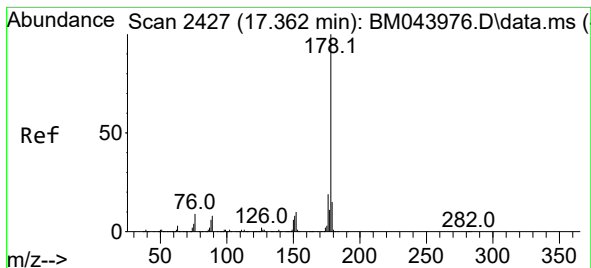
Ion Ratio Lower Upper

266 100

268 66.0 50.6 76.0

264 64.7 50.6 76.0





#71

Phenanthrene

Concen: 3.738 ng

RT: 17.357 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

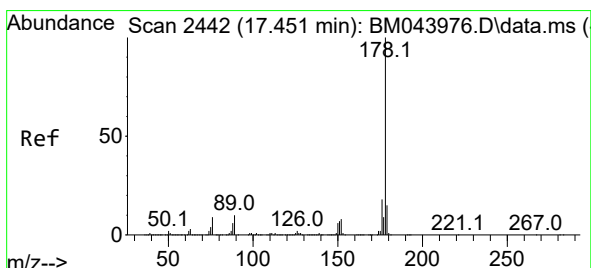
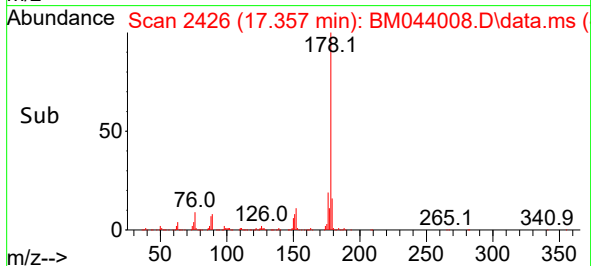
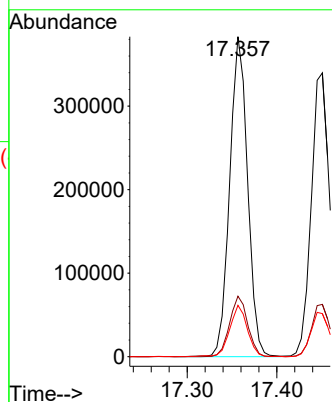
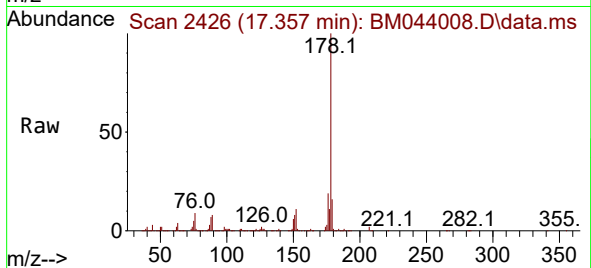
Tgt Ion:178 Resp: 530205

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 16.1 12.4 18.6



#72

Anthracene

Concen: 3.587 ng

RT: 17.451 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

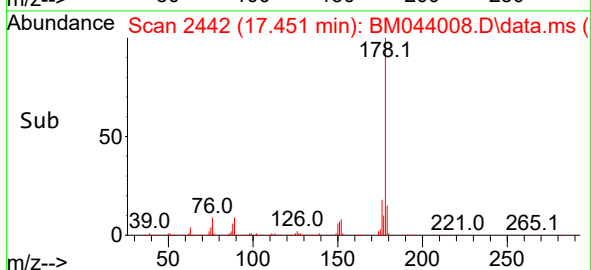
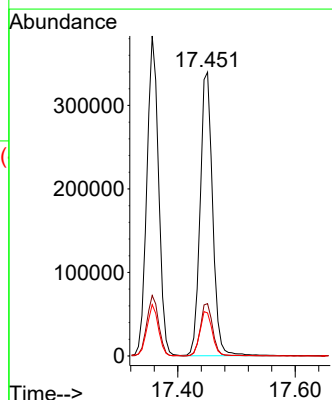
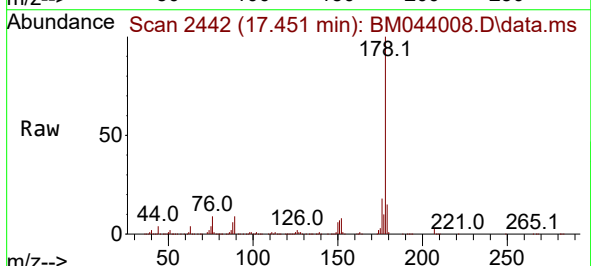
Tgt Ion:178 Resp: 498132

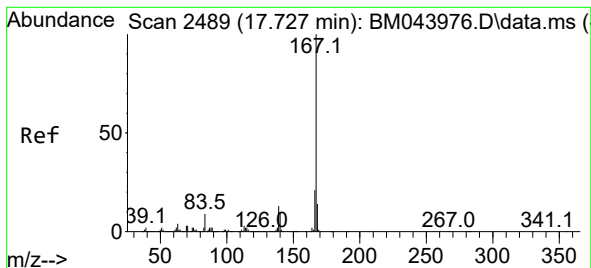
Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

179 15.1 12.2 18.4





#73

Carbazole

Concen: 3.229 ng

RT: 17.727 min Scan# 2489

Delta R.T. 0.000 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

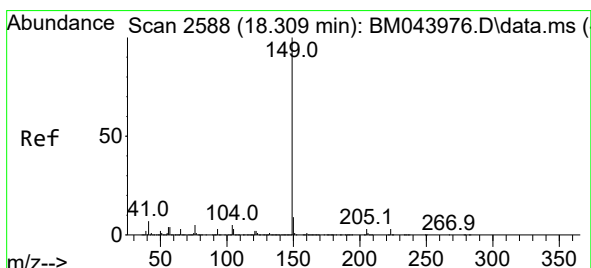
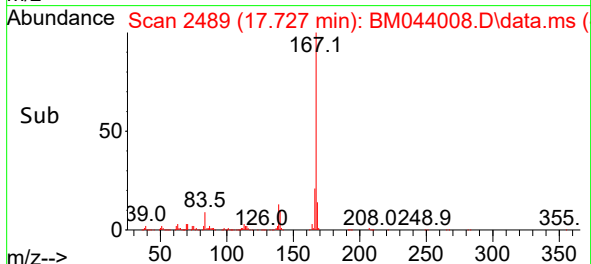
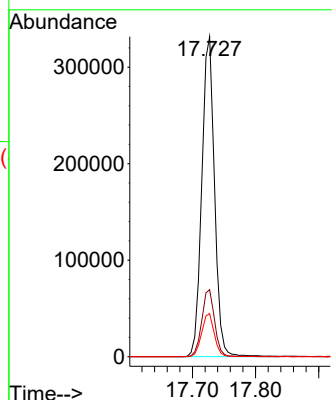
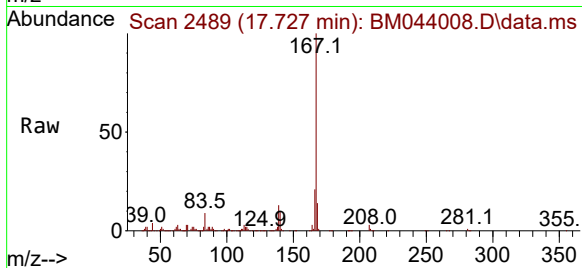
Tgt Ion:167 Resp: 464455

Ion Ratio Lower Upper

167 100

166 21.0 17.1 25.7

139 13.4 10.6 15.8



#74

Di-n-butylphthalate

Concen: 3.321 ng

RT: 18.304 min Scan# 2587

Delta R.T. -0.005 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

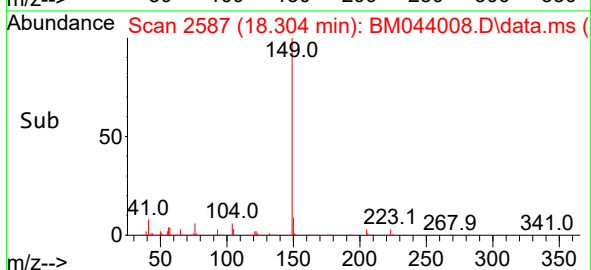
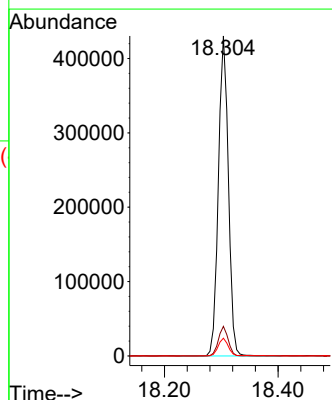
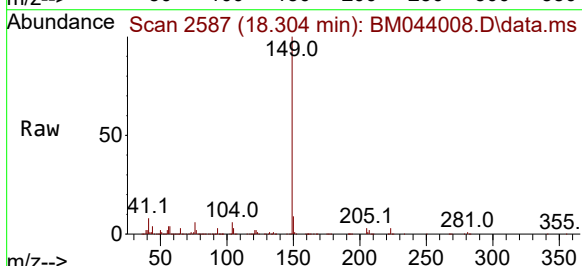
Tgt Ion:149 Resp: 523866

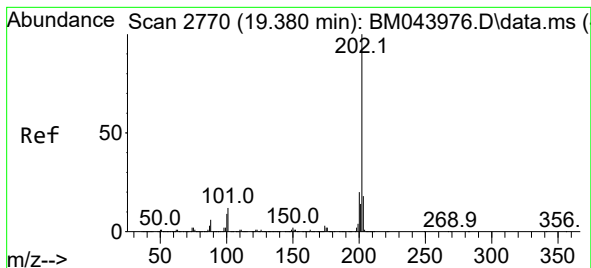
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.6 4.1 6.1





#75

Fluoranthene

Concen: 3.213 ng

RT: 19.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

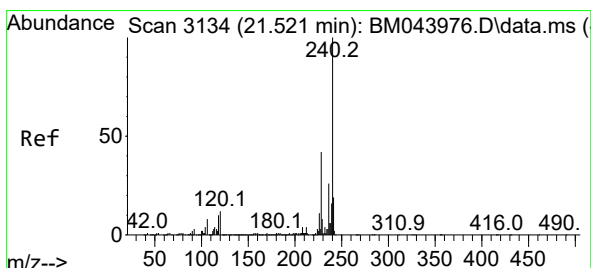
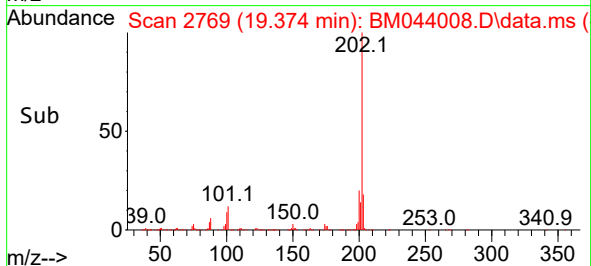
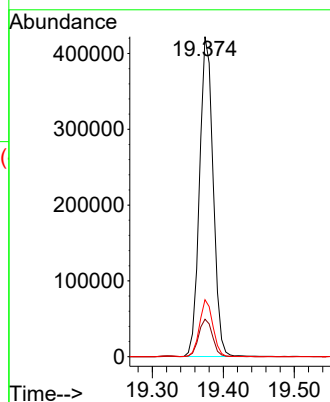
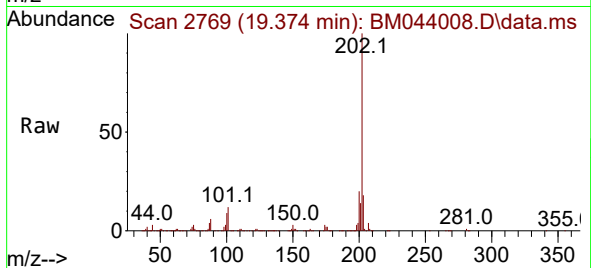
Tgt Ion:202 Resp: 563701

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.9

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.509 min Scan# 3132

Delta R.T. -0.012 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

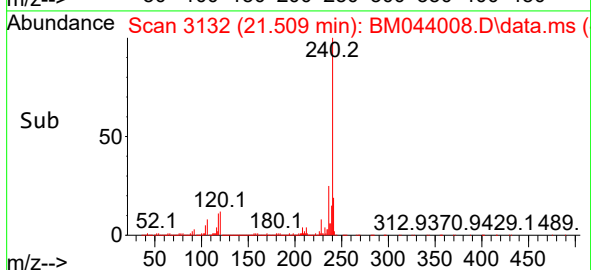
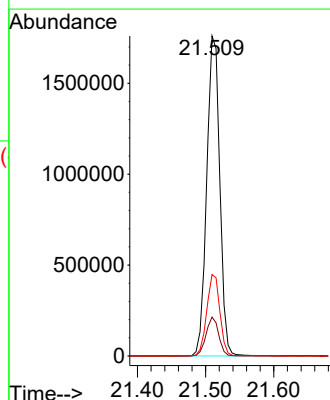
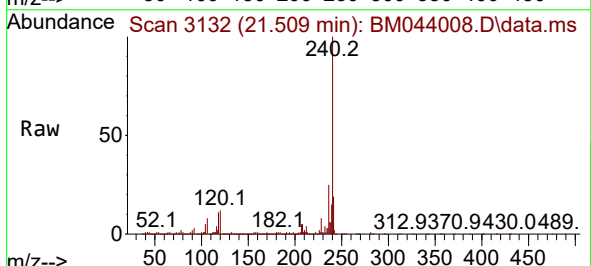
Tgt Ion:240 Resp: 2345148

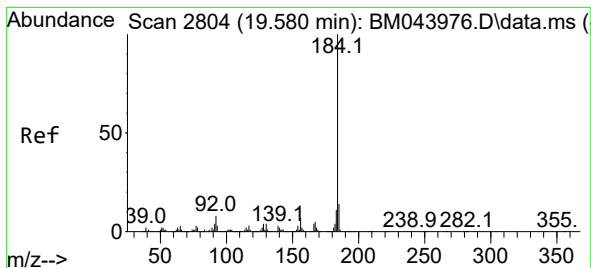
Ion Ratio Lower Upper

240 100

120 12.2 9.3 13.9

236 25.5 20.5 30.7





#77

Benzidine

Concen: 5.184 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

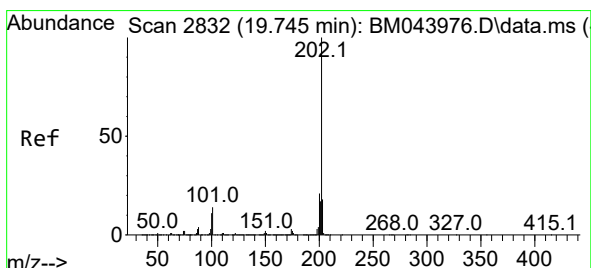
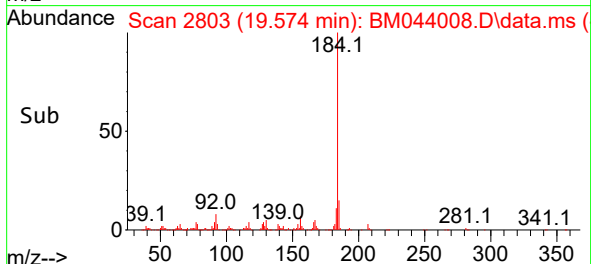
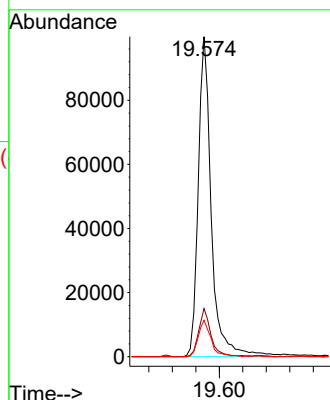
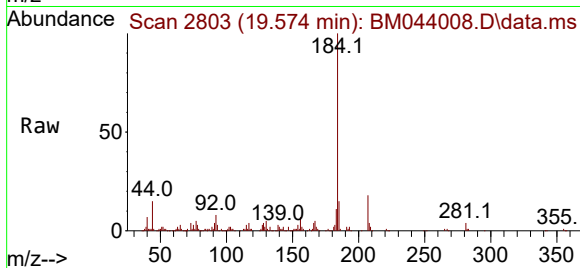
Tgt Ion:184 Resp: 154261

Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

183 11.4 8.9 13.3



#78

Pyrene

Concen: 3.667 ng

RT: 19.739 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

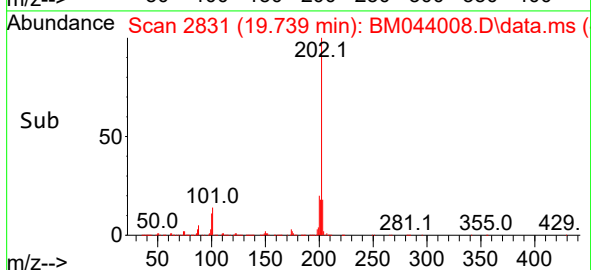
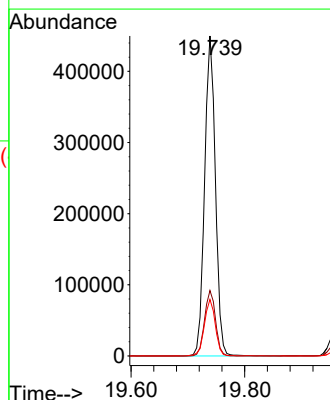
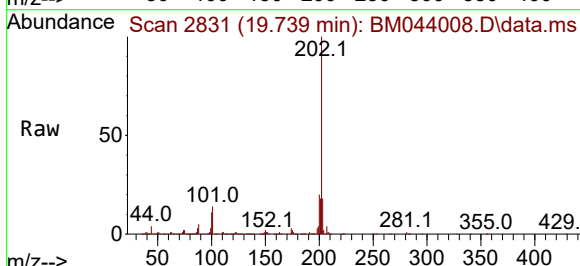
Tgt Ion:202 Resp: 591136

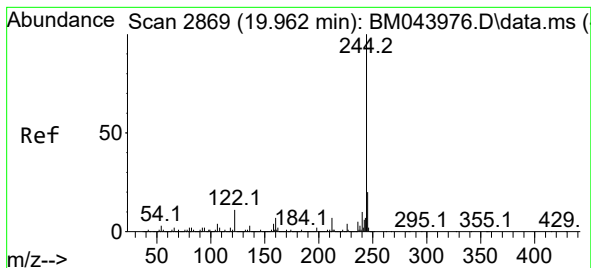
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 91.619 ng

RT: 19.956 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

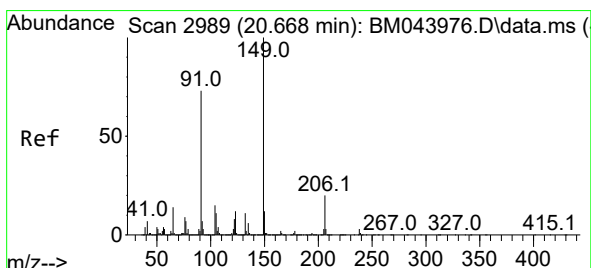
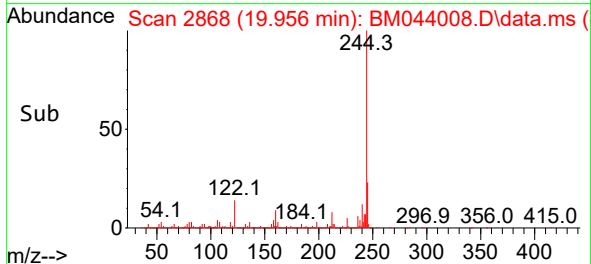
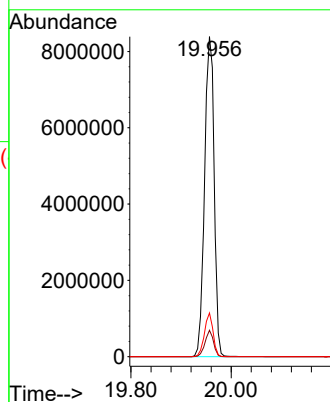
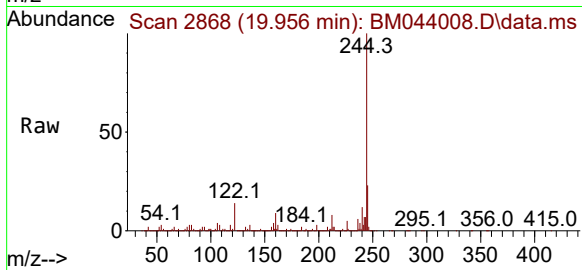
Tgt Ion:244 Resp:11130212

Ion Ratio Lower Upper

244 100

212 8.3 5.5 8.3

122 13.6 8.7 13.1#



#80

Butylbenzylphthalate

Concen: 3.200 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

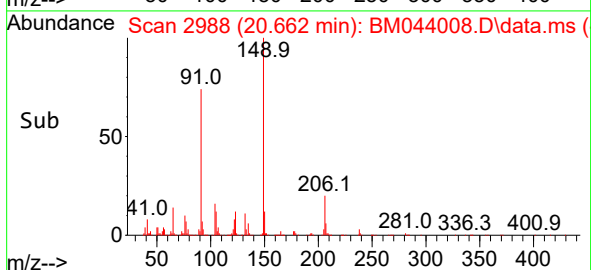
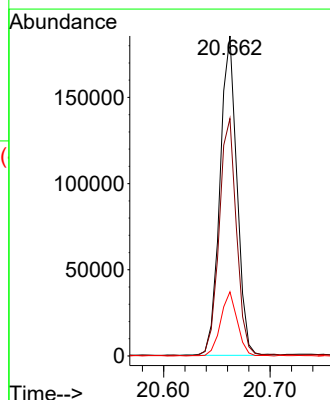
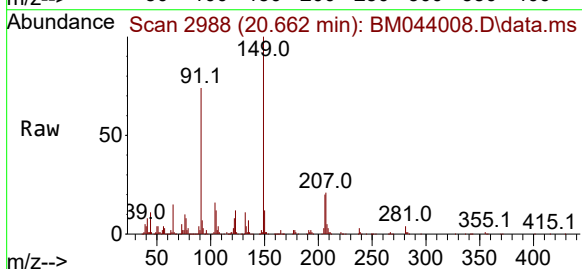
Tgt Ion:149 Resp: 204242

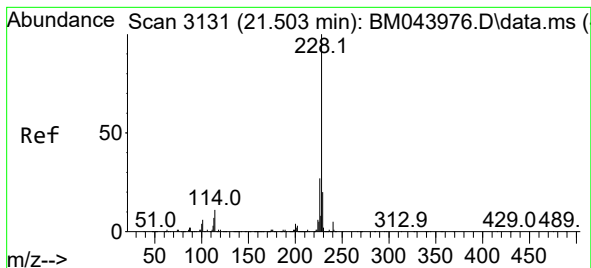
Ion Ratio Lower Upper

149 100

91 74.2 58.4 87.6

206 20.1 15.8 23.6





#81

Benzo(a)anthracene

Concen: 3.698 ng

RT: 21.498 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

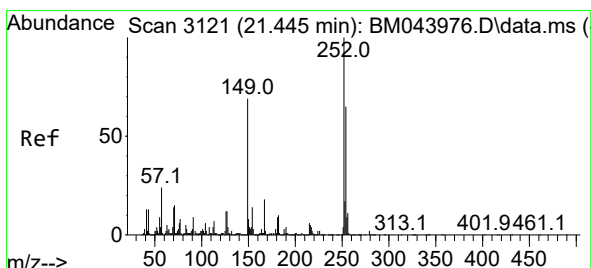
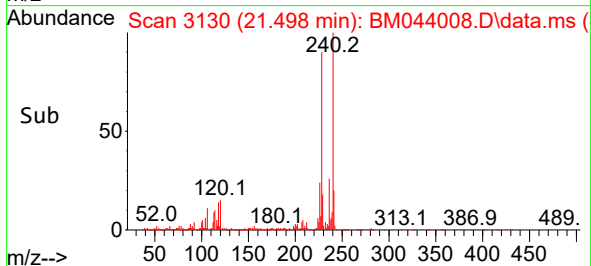
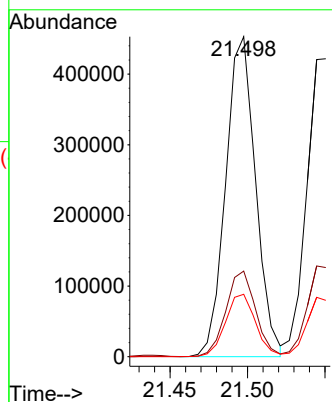
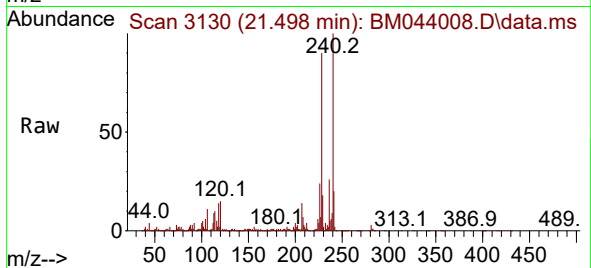
Tgt Ion:228 Resp: 608501

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.8

229 19.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 3.285 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

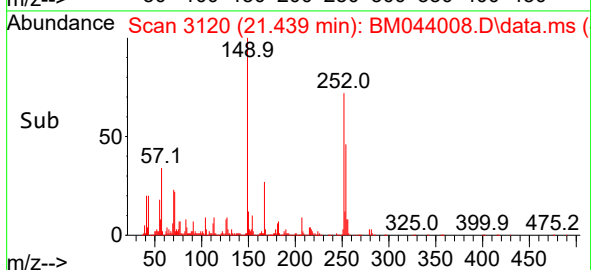
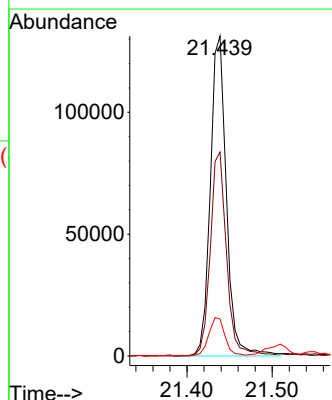
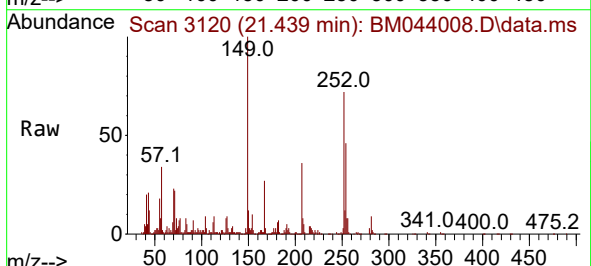
Tgt Ion:252 Resp: 172800

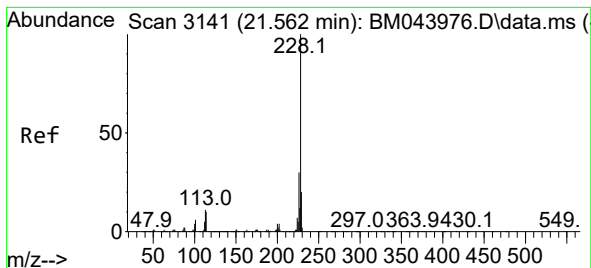
Ion Ratio Lower Upper

252 100

254 63.8 51.6 77.4

126 11.6 9.4 14.2





#83

Chrysene

Concen: 3.567 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

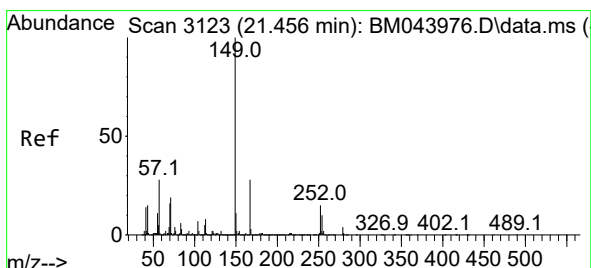
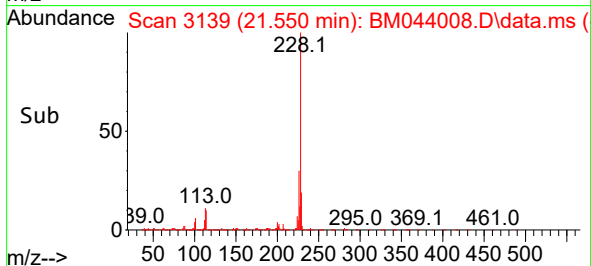
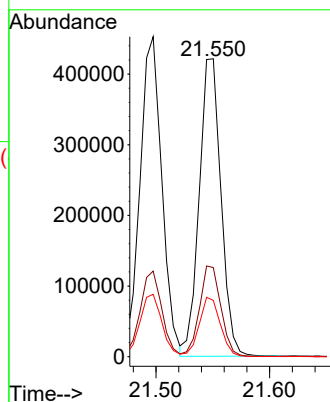
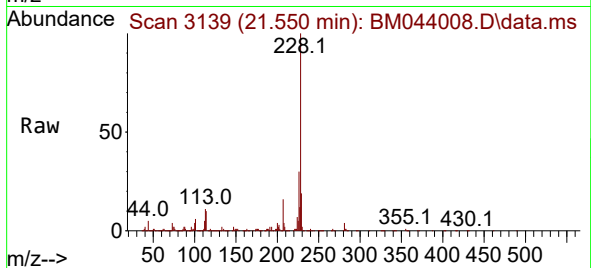
Tgt Ion:228 Resp: 562271

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

229 18.9 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.635 ng

RT: 21.445 min Scan# 3121

Delta R.T. -0.012 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

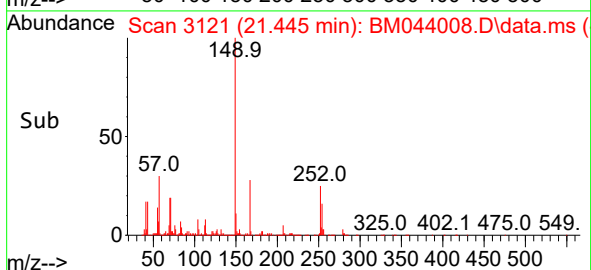
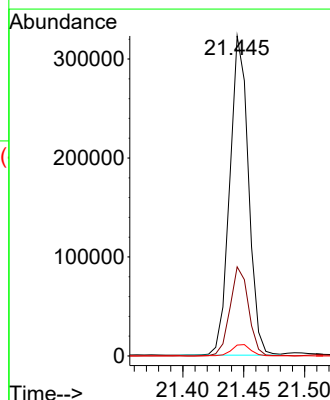
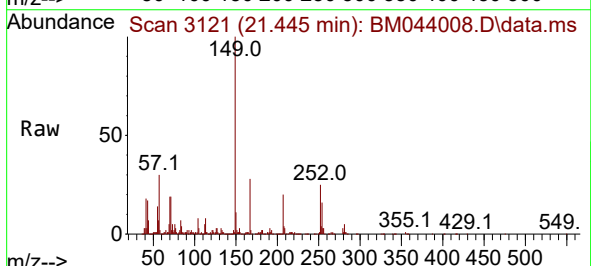
Tgt Ion:149 Resp: 345100

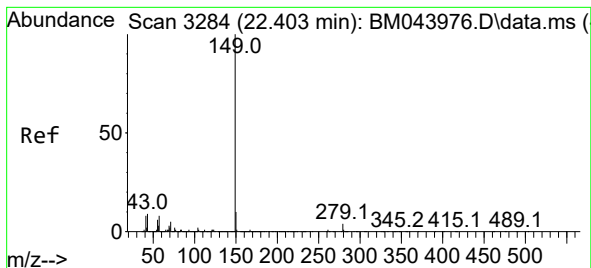
Ion Ratio Lower Upper

149 100

167 27.9 22.0 33.0

279 3.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 3.056 ng

RT: 22.392 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

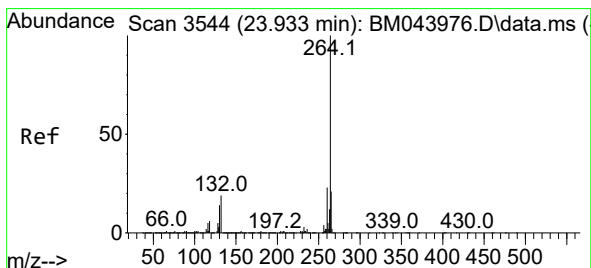
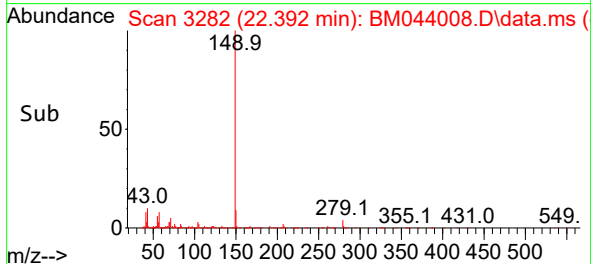
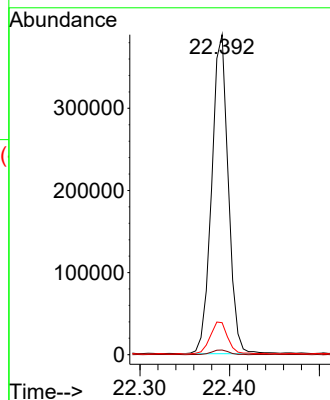
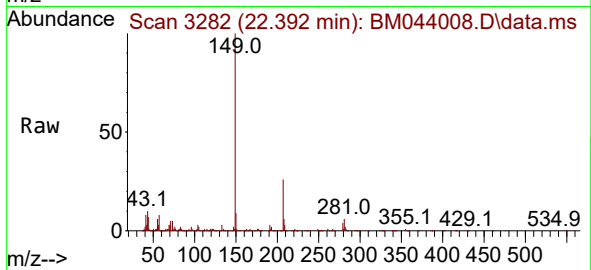
Tgt Ion:149 Resp: 499765

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.9 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: BM044008.D

Acq: 07 Feb 2024 02:08

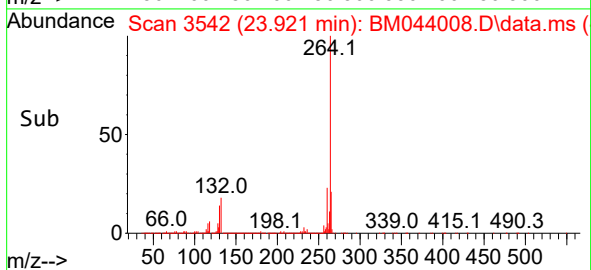
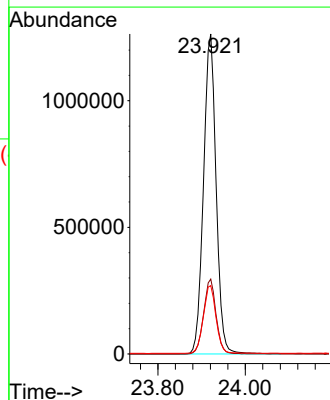
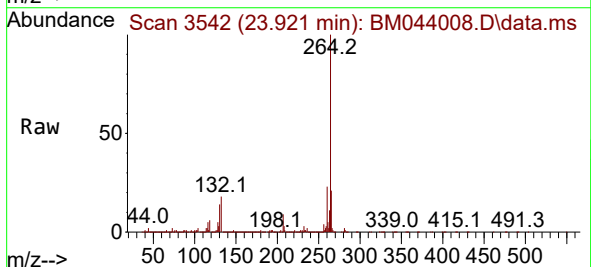
Tgt Ion:264 Resp: 2537938

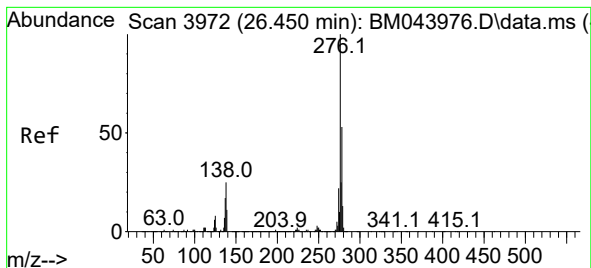
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.141 ng

RT: 26.415 min Scan# 3972

Delta R.T. -0.035 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

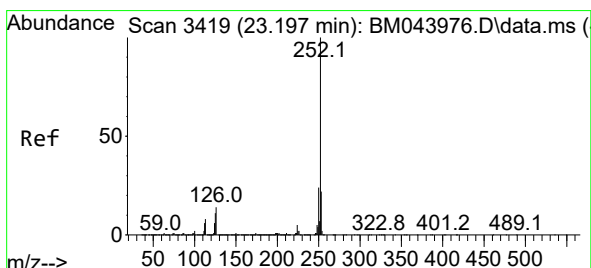
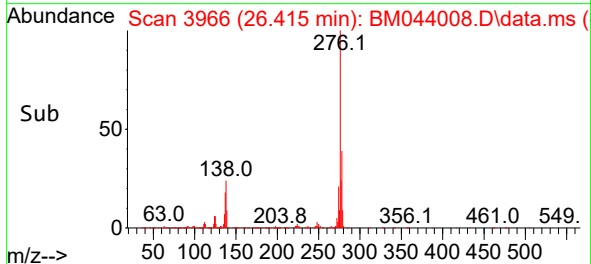
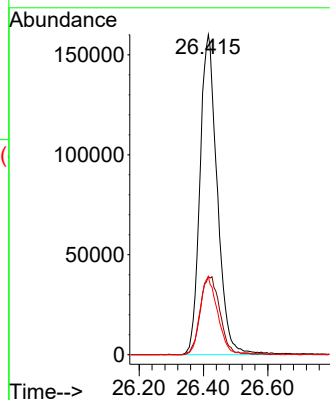
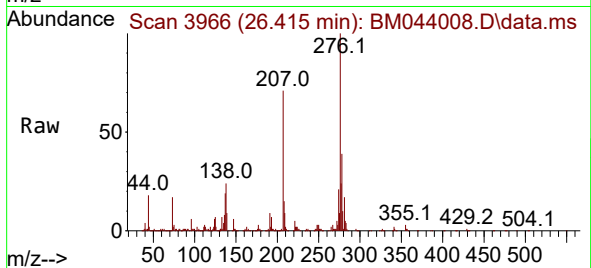
Tgt Ion:276 Resp: 596557

Ion Ratio Lower Upper

276 100

138 27.7 21.8 32.6

277 25.0 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 3.570 ng

RT: 23.186 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

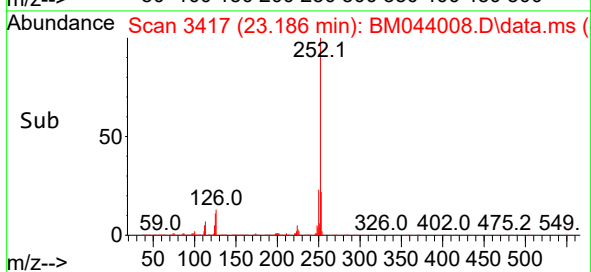
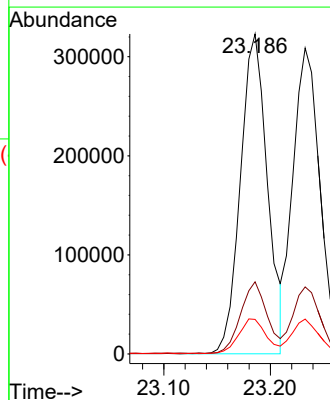
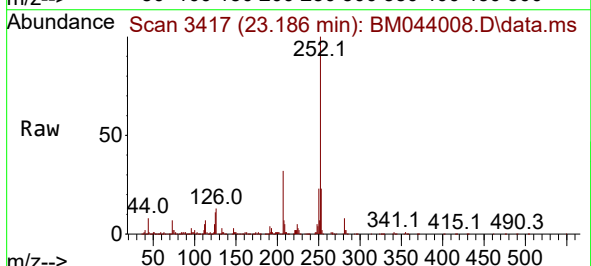
Tgt Ion:252 Resp: 569945

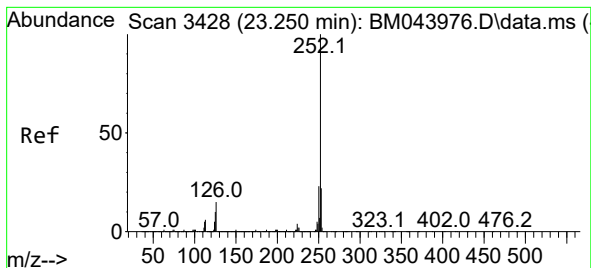
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 10.8 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 3.596 ng

RT: 23.233 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

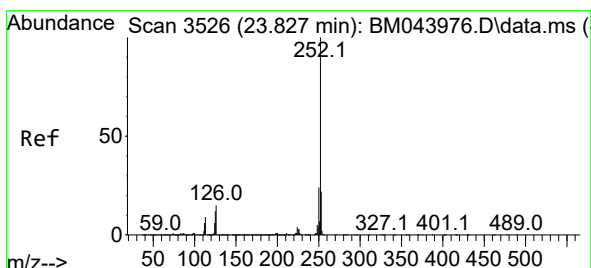
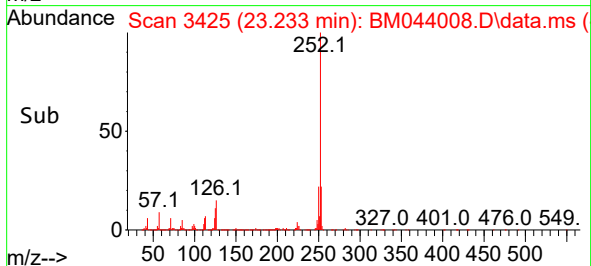
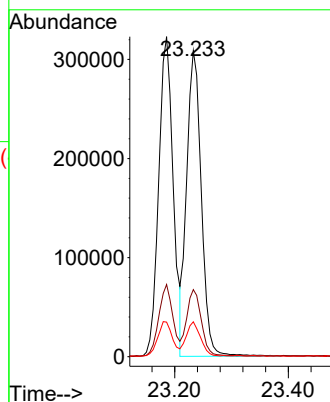
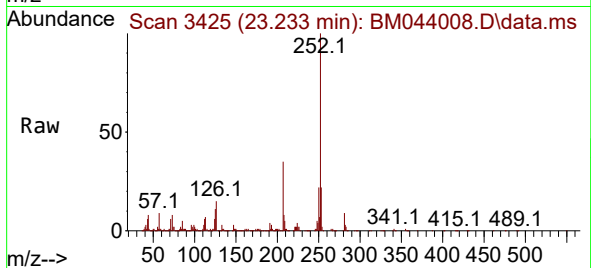
Tgt Ion:252 Resp: 550734

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 11.4 8.3 12.5



#90

Benzo(a)pyrene

Concen: 3.293 ng

RT: 23.809 min Scan# 3523

Delta R.T. -0.018 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

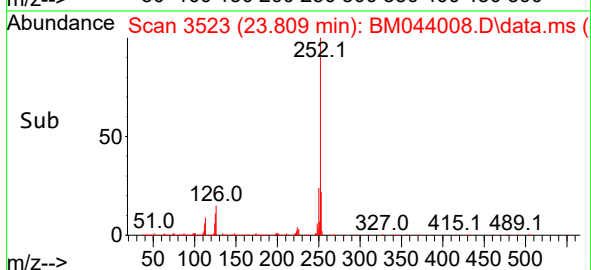
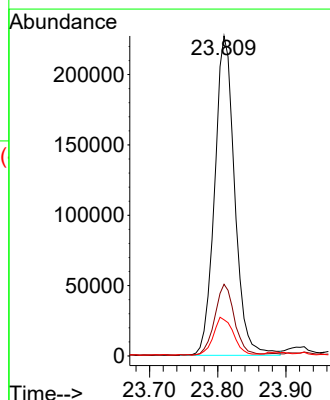
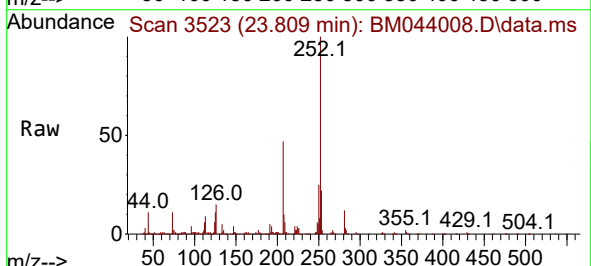
Tgt Ion:252 Resp: 464644

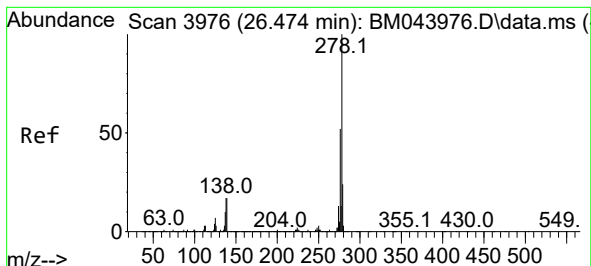
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 11.3 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 3.181 ng

RT: 26.444 min Scan# 3976

Delta R.T. -0.029 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

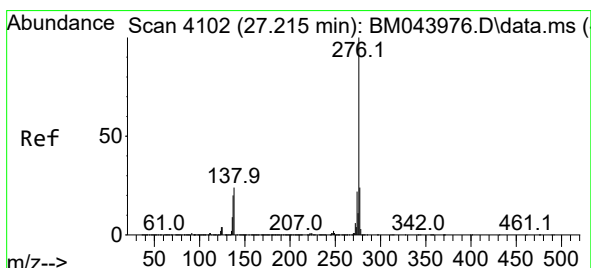
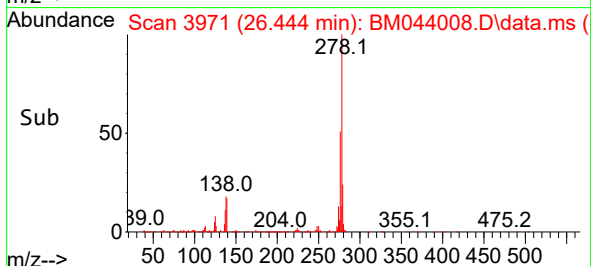
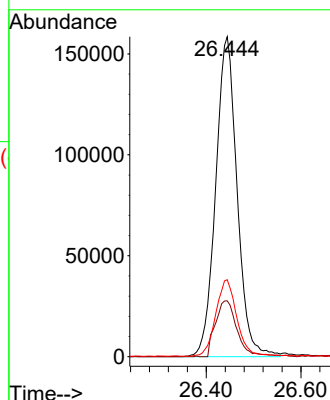
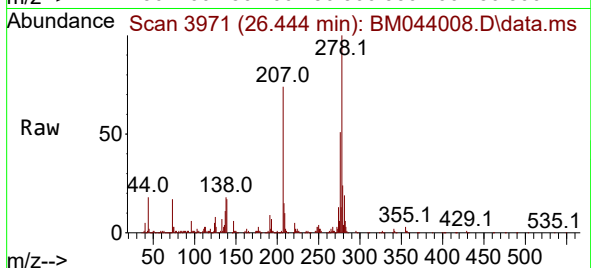
Tgt Ion:278 Resp: 498135

Ion Ratio Lower Upper

278 100

139 17.5 13.7 20.5

279 24.1 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.019 ng

RT: 27.174 min Scan# 4095

Delta R.T. -0.041 min

Lab File: BM044008.D

Acq: 07 Feb 2024 02:08

Tgt Ion:276 Resp: 482217

Ion Ratio Lower Upper

276 100

277 22.0 19.0 28.4

138 23.7 18.8 28.2

