

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM044004.D
 Acq On : 06 Feb 2024 23:43
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-SOIL-4PPM
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 07 03:11:46 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	349493	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1542865	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	977304	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	2102603	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1977277	20.000	ng	0.00
86) Perylene-d12	23.921	264	2228351	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	3252144	137.415	ng	0.00
7) Phenol-d6	7.086	99	4264507	121.955	ng	0.00
23) Nitrobenzene-d5	9.092	82	2526122	78.926	ng	0.00
42) 2,4,6-Tribromophenol	16.056	330	1547181	129.871	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5824912	81.897	ng	0.00
79) Terphenyl-d14	19.956	244	9661975	94.330	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.398	88	40481	4.426	ng	98
3) Pyridine	3.804	79	93990	3.377	ng	94
4) n-Nitrosodimethylamine	3.722	42	42593	3.559	ng	# 94
6) Aniline	7.251	93	133132	3.827	ng	98
8) 2-Chlorophenol	7.481	128	87766	3.340	ng	98
9) Benzaldehyde	7.069	77	95529	1.270	ng	97
10) Phenol	7.110	94	123742	3.559	ng	85
11) bis(2-Chloroethyl)ether	7.357	93	101043	3.708	ng	99
12) 1,3-Dichlorobenzene	7.804	146	105147	3.706	ng	96
13) 1,4-Dichlorobenzene	7.957	146	107684	3.753	ng	97
14) 1,2-Dichlorobenzene	8.269	146	103605	3.662	ng	98
15) Benzyl Alcohol	8.169	79	81743	3.411	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.457	45	148019	4.051	ng	99
17) 2-Methylphenol	8.363	107	72929	3.281	ng	97
18) Hexachloroethane	8.992	117	39422	3.662	ng	99
19) n-Nitroso-di-n-propyla...	8.733	70	77791	3.381	ng	97
20) 3+4-Methylphenols	8.692	107	97037	3.093	ng	97
22) Acetophenone	8.751	105	156222	3.737	ng	# 96
24) Nitrobenzene	9.133	77	123069	3.832	ng	98
25) Isophorone	9.657	82	203145	3.410	ng	98
26) 2-Nitrophenol	9.845	139	36493	2.812	ng	98
27) 2,4-Dimethylphenol	9.904	122	71145	3.992	ng	100
28) bis(2-Chloroethoxy)met...	10.151	93	142490	3.916	ng	99
29) 2,4-Dichlorophenol	10.369	162	73637	3.240	ng	98
30) 1,2,4-Trichlorobenzene	10.586	180	93825	3.655	ng	96
31) Naphthalene	10.774	128	313041	3.640	ng	99
32) Benzoic acid	9.957	122	26240	7.838	ng	96
33) 4-Chloroaniline	10.898	127	123016	3.480	ng	100
34) Hexachlorobutadiene	11.051	225	54497	3.892	ng	96
35) Caprolactam	11.669	113	22558	2.420	ng	97
36) 4-Chloro-3-methylphenol	12.010	107	82862	2.977	ng	98
37) 2-Methylnaphthalene	12.386	142	210678	3.513	ng	98
38) 1-Methylnaphthalene	12.604	142	209048	3.492	ng	98
40) 1,2,4,5-Tetrachloroben...	12.745	216	105885	3.820	ng	99
41) Hexachlorocyclopentadiene	12.721	237	42768	4.691	ng	98
43) 2,4,6-Trichlorophenol	12.998	196	56642	3.024	ng	94

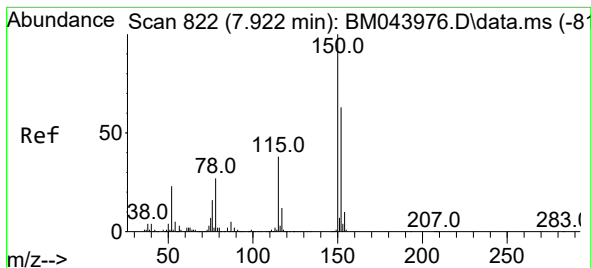
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	64245	3.006	ng	98
46) 1,1'-Biphenyl	13.404	154	293195	3.815	ng	99
47) 2-Chloronaphthalene	13.439	162	225370	3.677	ng	99
48) 2-Nitroaniline	13.651	65	57557	2.887	ng	93
49) Acenaphthylene	14.286	152	345979	3.693	ng	100
50) Dimethylphthalate	14.033	163	274556	3.617	ng	100
51) 2,6-Dinitrotoluene	14.151	165	48214	2.889	ng	91
52) Acenaphthene	14.627	154	211385	3.559	ng	99
53) 3-Nitroaniline	14.480	138	51817	2.675	ng #	92
54) 2,4-Dinitrophenol	14.686	184	13911	8.639	ng	93
55) Dibenzofuran	14.962	168	350808	3.795	ng	99
56) 4-Nitrophenol	14.780	139	38298	2.262	ng	95
57) 2,4-Dinitrotoluene	14.933	165	58786	2.531	ng	88
58) Fluorene	15.609	166	275391	3.528	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	57258	3.108	ng	99
60) Diethylphthalate	15.398	149	269532	3.430	ng	98
61) 4-Chlorophenyl-phenyle...	15.615	204	132360	3.635	ng	97
62) 4-Nitroaniline	15.639	138	51492	2.431	ng	96
63) Azobenzene	15.909	77	264872	3.375	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	22844	7.732	ng	89
66) n-Nitrosodiphenylamine	15.827	169	226512	3.617	ng	98
67) 4-Bromophenyl-phenylether	16.509	248	66453	3.208	ng	98
68) Hexachlorobenzene	16.604	284	88476	3.583	ng	97
69) Atrazine	16.786	200	70350	4.060	ng	98
70) Pentachlorophenol	16.956	266	37123	2.289	ng	97
71) Phenanthrene	17.356	178	439215	3.750	ng	99
72) Anthracene	17.451	178	407782	3.557	ng	99
73) Carbazole	17.727	167	386721	3.257	ng	99
74) Di-n-butylphthalate	18.303	149	414545	3.183	ng	100
75) Fluoranthene	19.374	202	468047	3.232	ng	99
77) Benzidine	19.574	184	30864	1.230	ng	96
78) Pyrene	19.739	202	489486	3.601	ng	99
80) Butylbenzylphthalate	20.662	149	165475	3.075	ng	99
81) Benzo(a)anthracene	21.497	228	512380	3.694	ng	99
82) 3,3'-Dichlorobenzidine	21.438	252	142122	3.204	ng	99
83) Chrysene	21.550	228	479110	3.605	ng	100
84) Bis(2-ethylhexyl)phtha...	21.450	149	281848	3.521	ng	99
85) Di-n-octyl phthalate	22.391	149	409402	2.969	ng	98
87) Indeno(1,2,3-cd)pyrene	26.415	276	555732	3.333	ng	99
88) Benzo(b)fluoranthene	23.185	252	488525	3.485	ng	99
89) Benzo(k)fluoranthene	23.238	252	481833	3.583	ng	98
90) Benzo(a)pyrene	23.815	252	411034	3.318	ng	99
91) Dibenzo(a,h)anthracene	26.444	278	463219	3.369	ng	99
92) Benzo(g,h,i)perylene	27.179	276	446235	3.181	ng	98

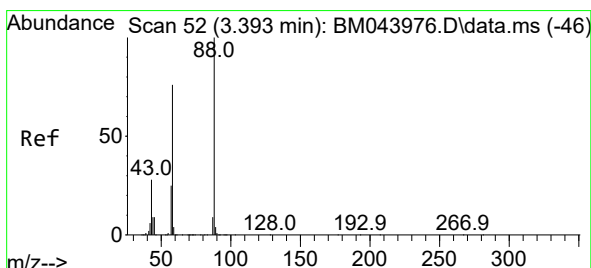
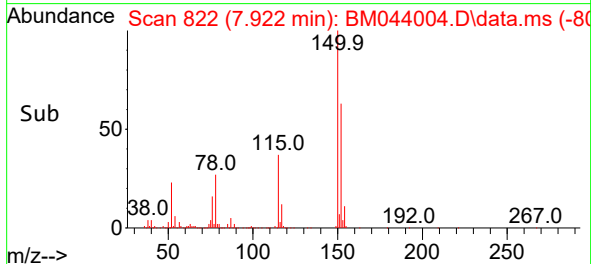
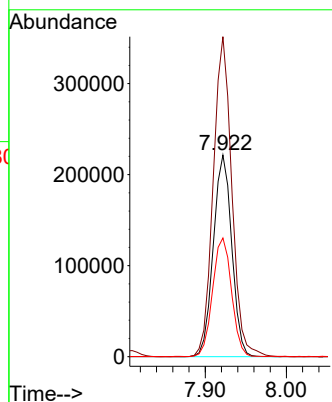
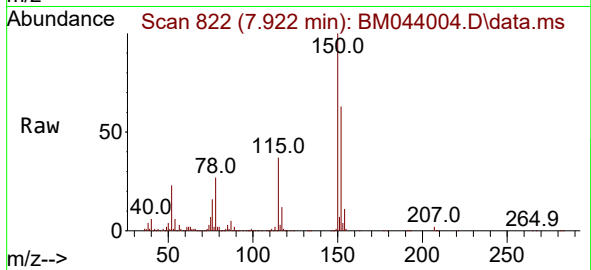
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044004.D
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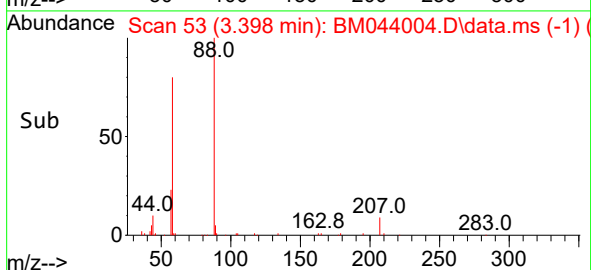
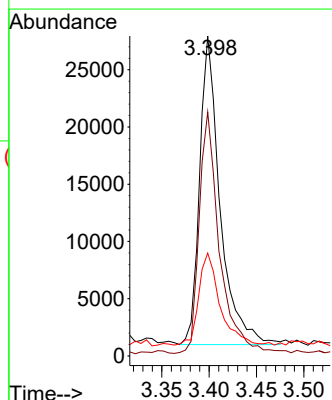
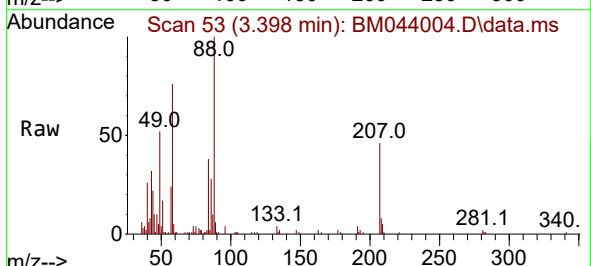
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

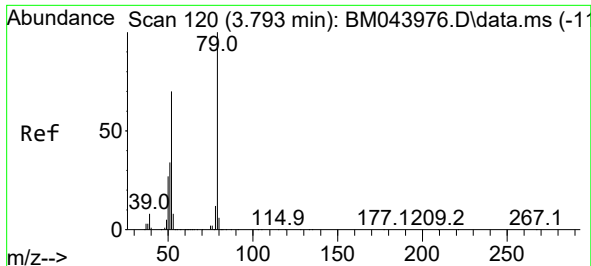
Tgt Ion:152 Resp: 349493
 Ion Ratio Lower Upper
 152 100
 150 158.7 126.1 189.1
 115 58.9 48.2 72.2



#2
 1,4-Dioxane
 Concen: 4.426 ng
 RT: 3.398 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM044004.D
 Acq: 06 Feb 2024 23:43

Tgt Ion: 88 Resp: 40481
 Ion Ratio Lower Upper
 88 100
 58 77.5 61.0 91.6
 43 30.7 23.0 34.6

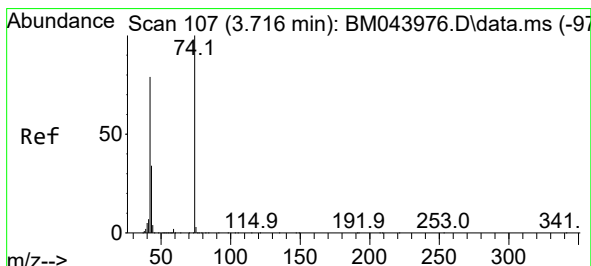
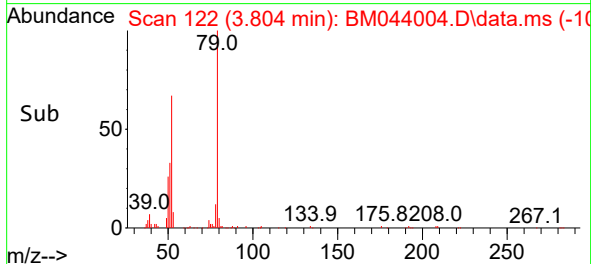
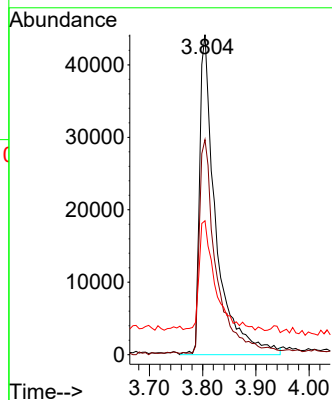
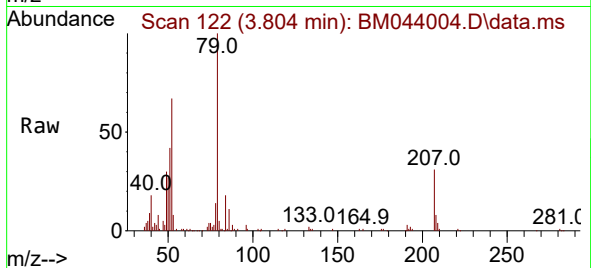




#3
 Pyridine
 Concen: 3.377 ng
 RT: 3.804 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BM044004.D
 Acq: 06 Feb 2024 23:43

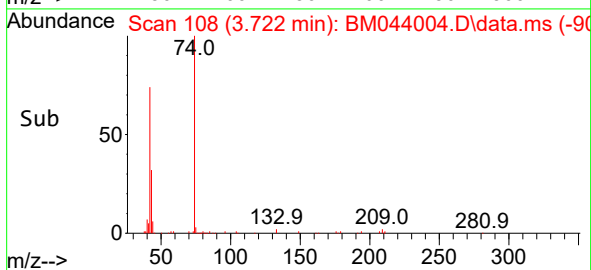
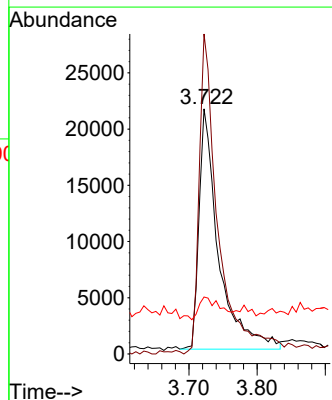
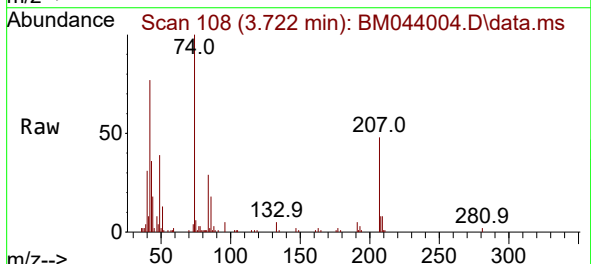
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

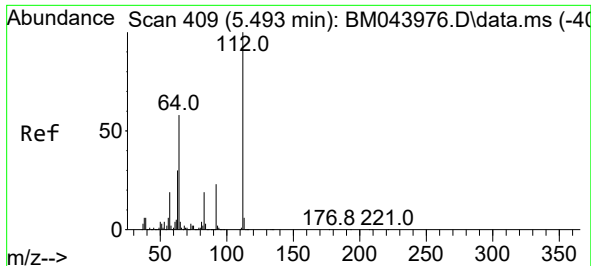
Tgt Ion: 79 Resp: 93990
 Ion Ratio Lower Upper
 79 100
 52 67.2 55.9 83.9
 51 41.8 28.2 42.2



#4
 n-Nitrosodimethylamine
 Concen: 3.559 ng
 RT: 3.722 min Scan# 108
 Delta R.T. 0.006 min
 Lab File: BM044004.D
 Acq: 06 Feb 2024 23:43

Tgt Ion: 42 Resp: 42593
 Ion Ratio Lower Upper
 42 100
 74 130.5 100.7 151.1
 44 23.2 7.3 10.9#

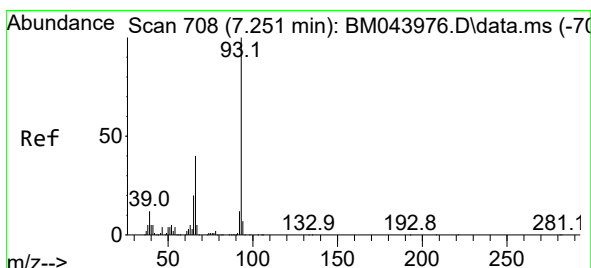
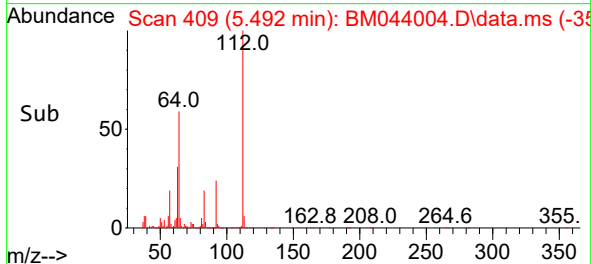
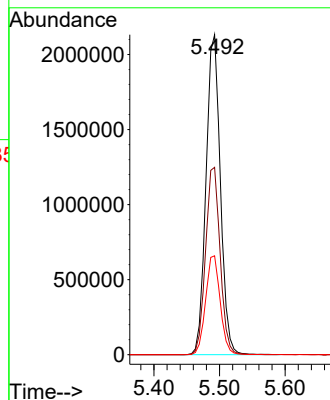
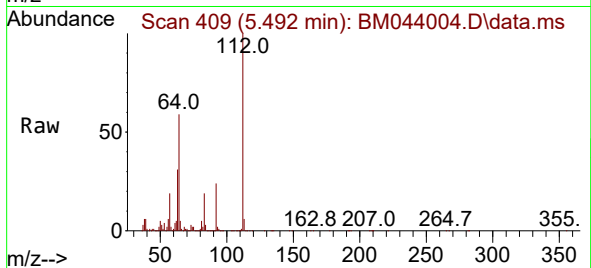




#5
2-Fluorophenol
Concen: 137.415 ng
RT: 5.492 min Scan# 409
Delta R.T. -0.001 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

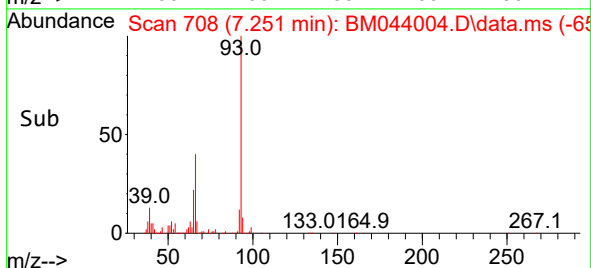
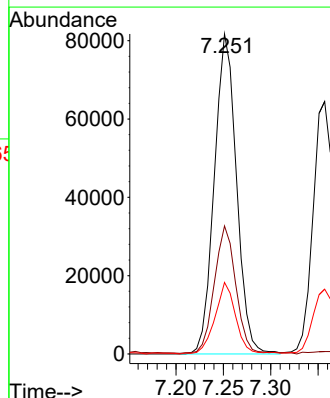
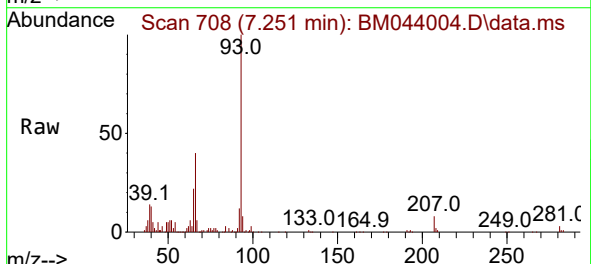
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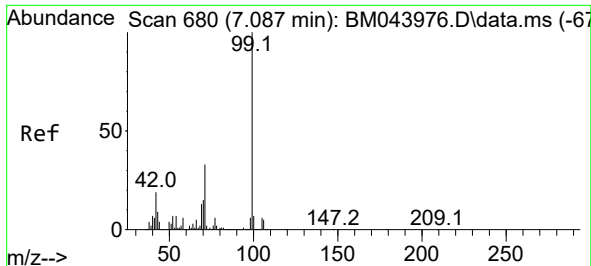
Tgt Ion:112 Resp: 3252144
Ion Ratio Lower Upper
112 100
64 58.6 46.6 70.0
63 30.9 24.2 36.4



#6
Aniline
Concen: 3.827 ng
RT: 7.251 min Scan# 708
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 93 Resp: 133132
Ion Ratio Lower Upper
93 100
66 40.0 32.2 48.2
65 22.4 15.8 23.8

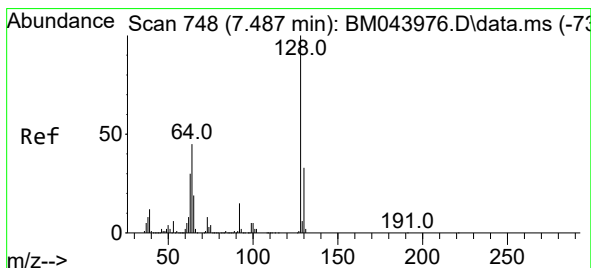
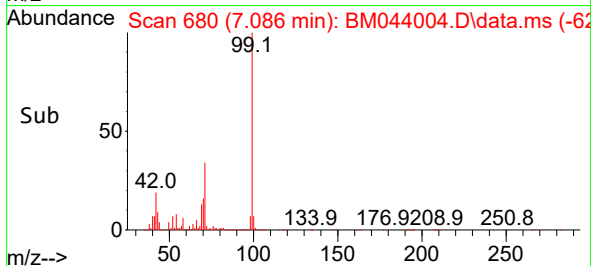
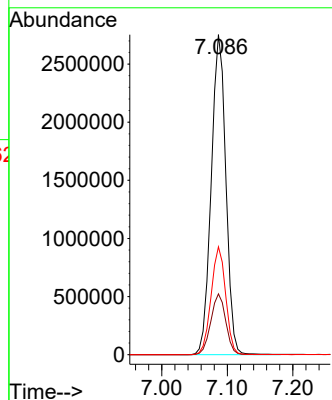
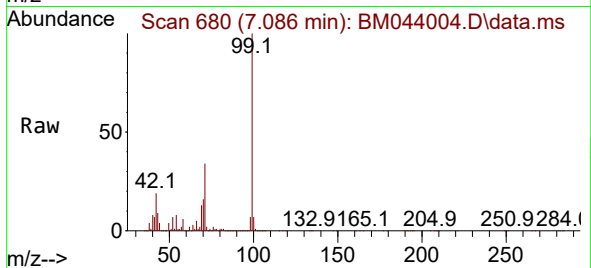




#7
Phenol-d6
Concen: 121.955 ng
RT: 7.086 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

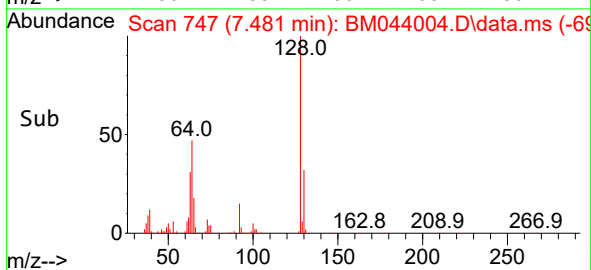
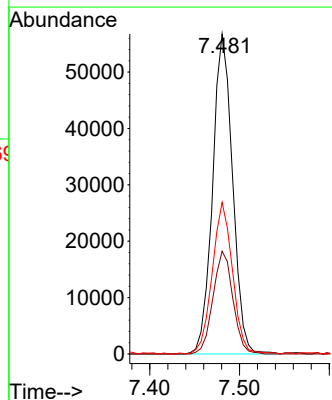
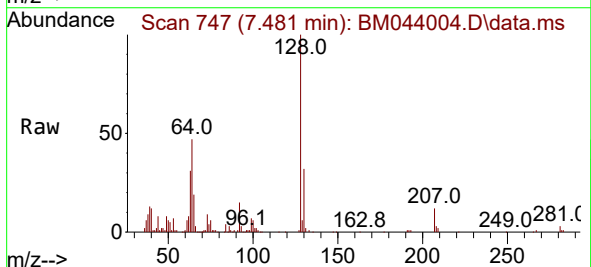
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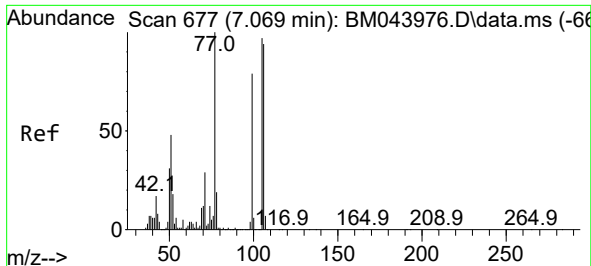
Tgt Ion: 99 Resp: 4264507
Ion Ratio Lower Upper
99 100
42 19.0 14.9 22.3
71 33.7 26.3 39.5



#8
2-Chlorophenol
Concen: 3.340 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:128 Resp: 87766
Ion Ratio Lower Upper
128 100
130 32.1 12.9 52.9
64 47.3 25.6 65.6

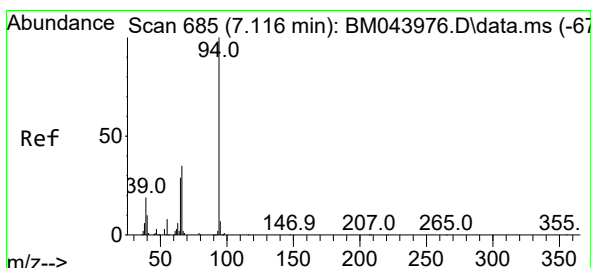
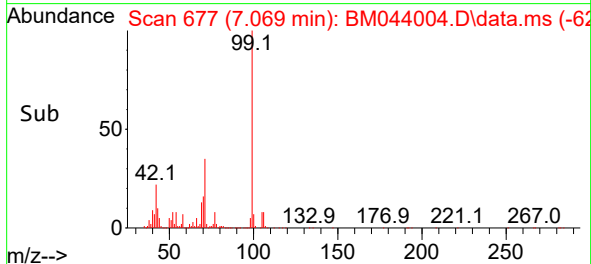
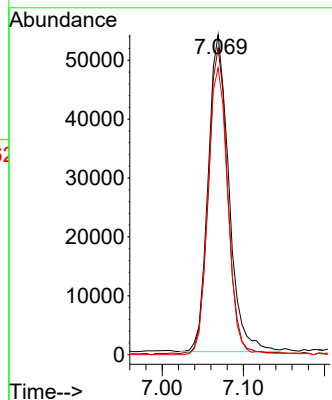
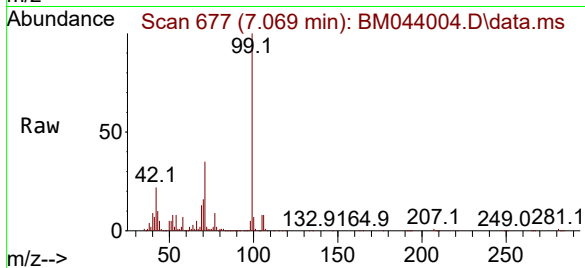




#9
Benzaldehyde
Concen: 1.270 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

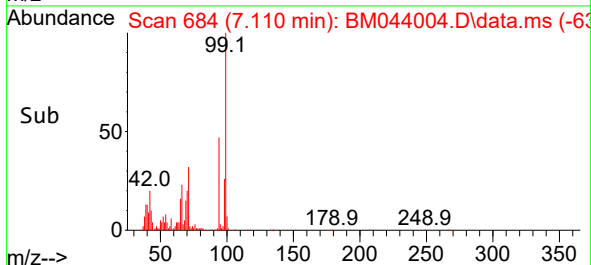
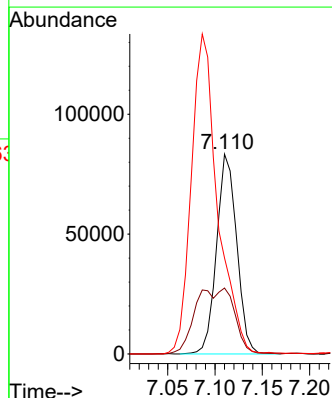
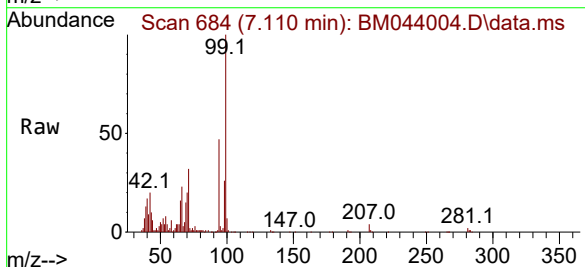
Instrument :
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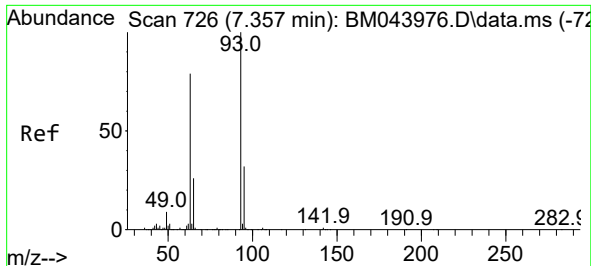
Tgt Ion: 77 Resp: 95529
Ion Ratio Lower Upper
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105 95.9 77.4 117.4
106 89.6 73.5 113.5



#10
Phenol
Concen: 3.559 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 94 Resp: 123742
Ion Ratio Lower Upper
94 100
65 33.0 9.3 49.3
66 48.1 15.7 55.7

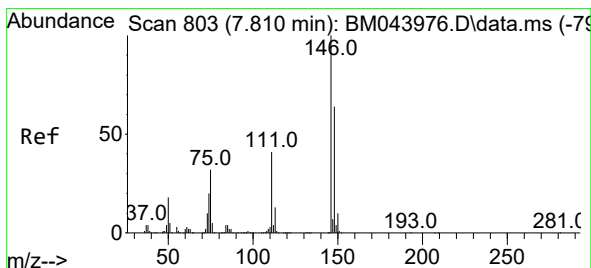
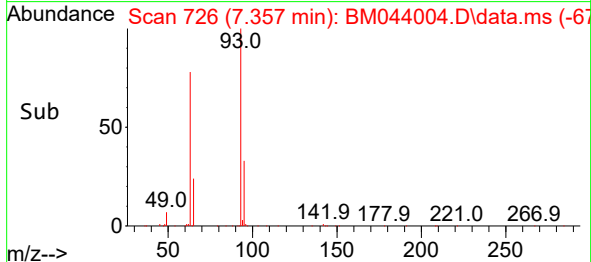
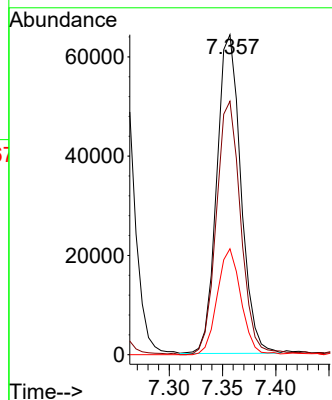
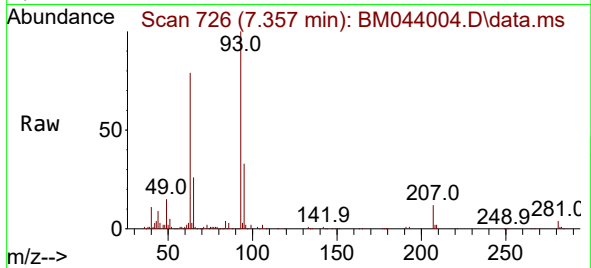




#11
bis(2-Chloroethyl)ether
Concen: 3.708 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

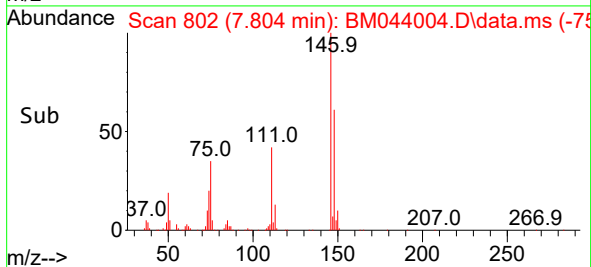
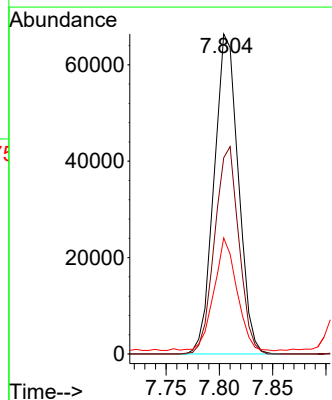
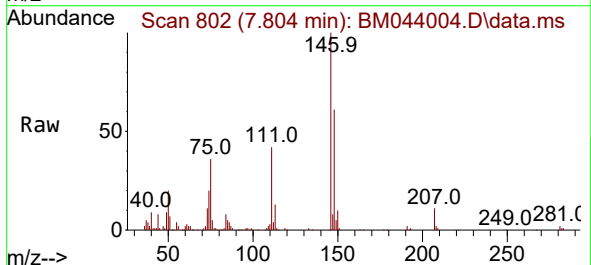
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

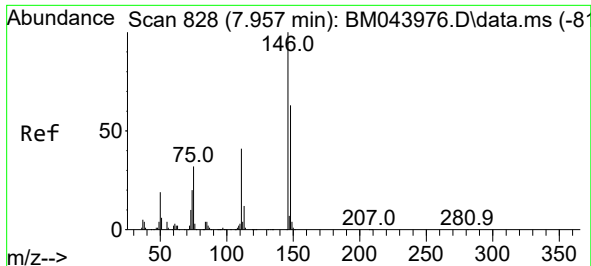
Tgt Ion: 93 Resp: 101043
Ion Ratio Lower Upper
93 100
63 79.2 59.0 99.0
95 33.1 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 3.706 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 146 Resp: 105147
Ion Ratio Lower Upper
146 100
148 61.3 51.0 76.6
75 36.3 26.1 39.1

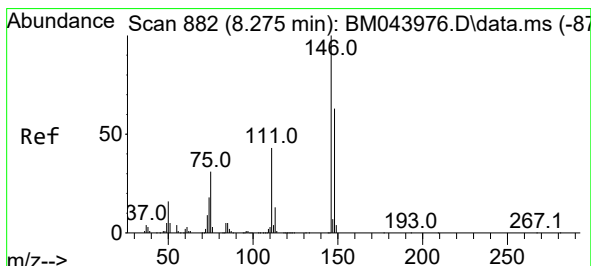
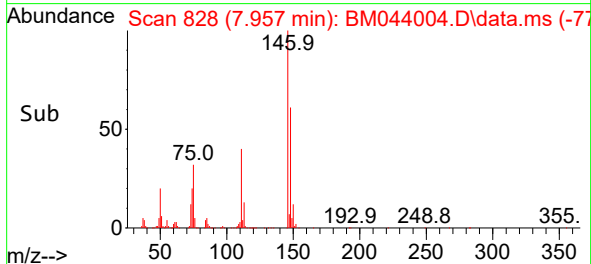
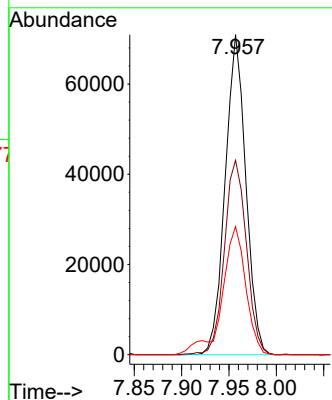
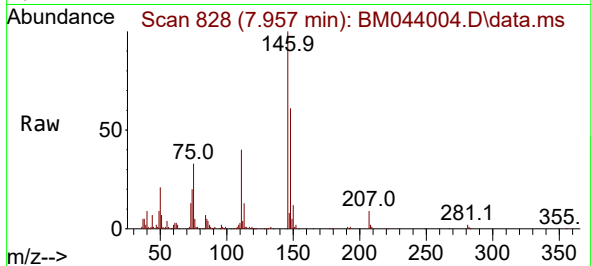




#13
1,4-Dichlorobenzene
Concen: 3.753 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

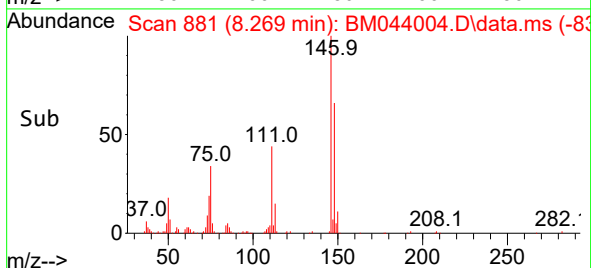
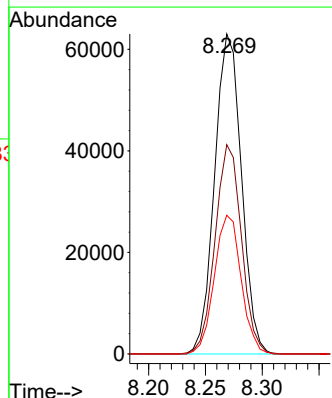
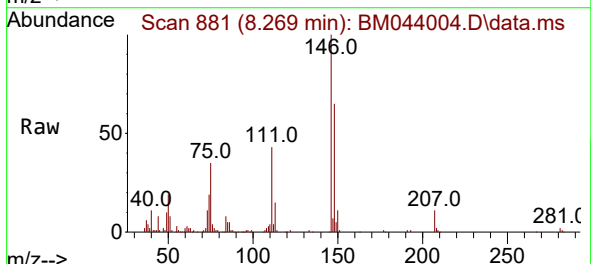
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

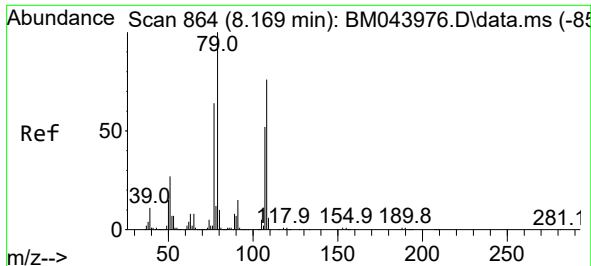
Tgt Ion:146 Resp: 107684
Ion Ratio Lower Upper
146 100
148 60.8 50.7 76.1
111 40.0 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 3.662 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:146 Resp: 103605
Ion Ratio Lower Upper
146 100
148 65.4 50.3 75.5
111 43.3 34.3 51.5

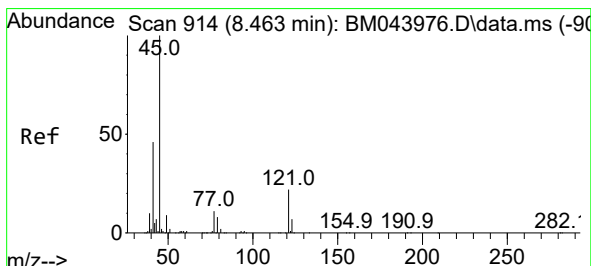
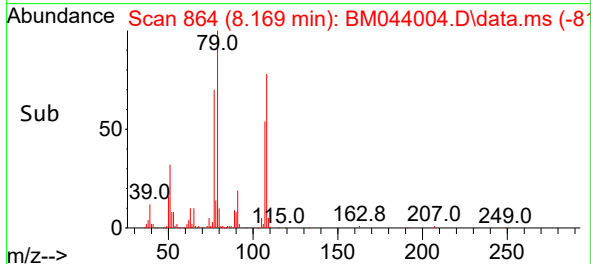
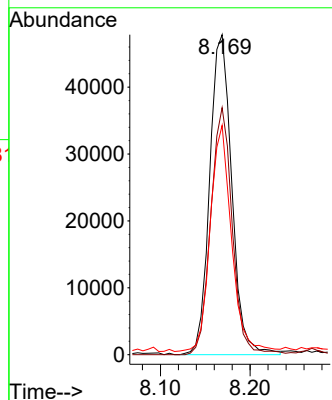
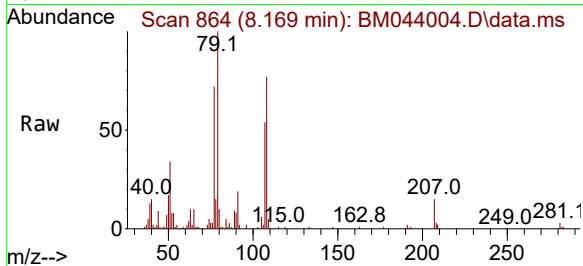




#15
Benzyl Alcohol
Concen: 3.411 ng
RT: 8.169 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

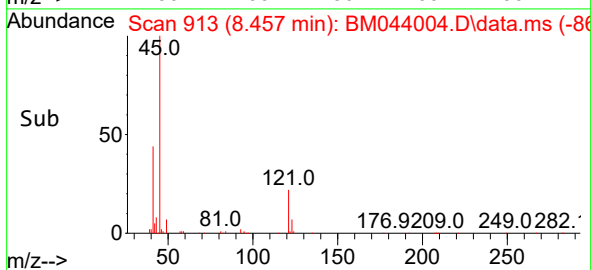
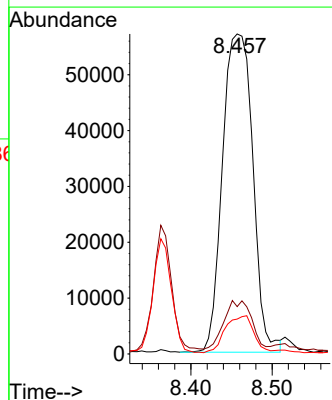
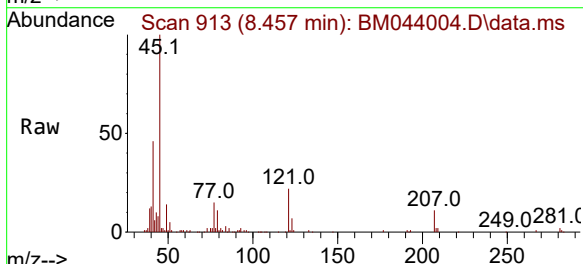
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

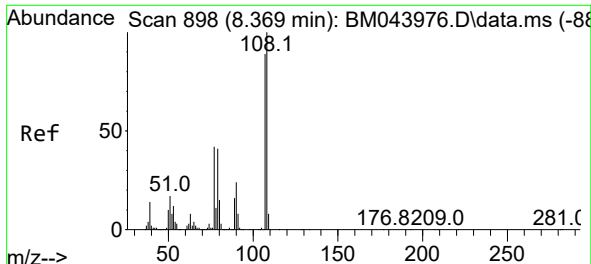
Tgt Ion: 79 Resp: 81743
Ion Ratio Lower Upper
79 100
108 77.2 60.7 91.1
77 71.6 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.051 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 45 Resp: 148019
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.4
79 10.9 0.0 31.2

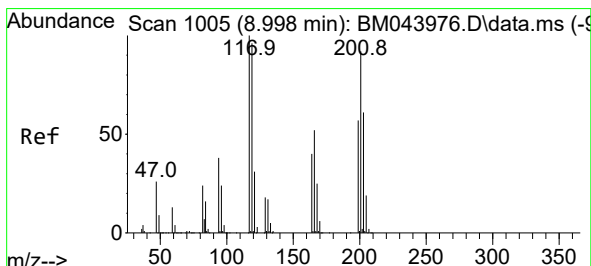
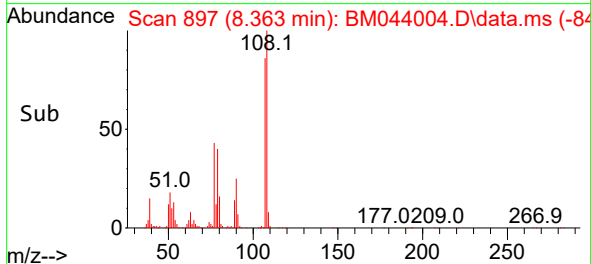
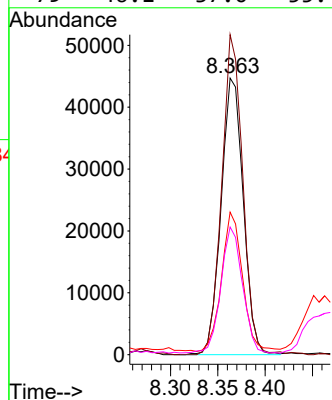
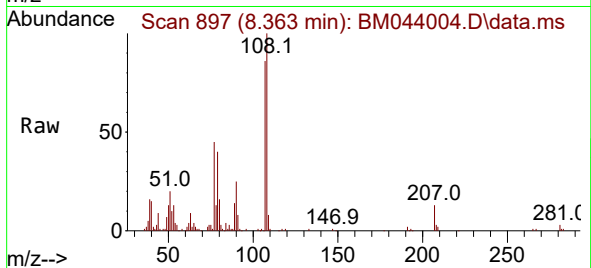




#17
2-Methylphenol
Concen: 3.281 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

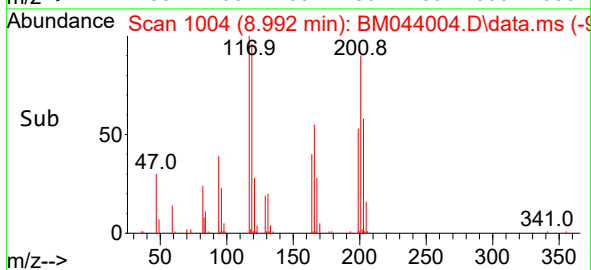
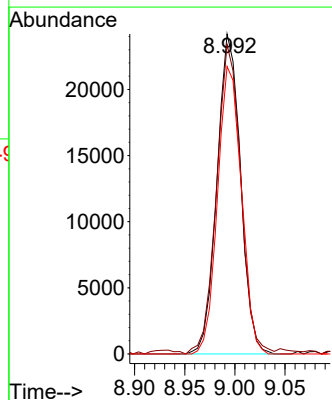
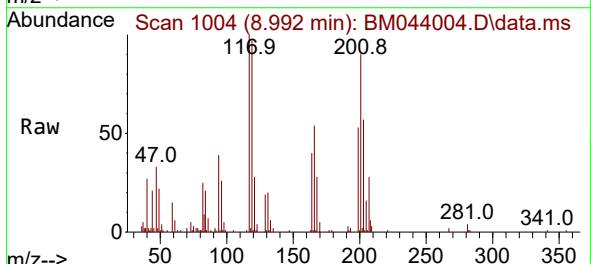
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

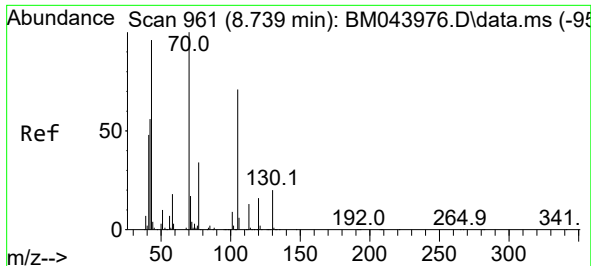
Tgt Ion:	107	Resp:	72929
Ion	Ratio	Lower	Upper
107	100		
108	115.7	90.4	135.6
77	51.5	38.0	57.0
79	46.1	37.0	55.4



#18
Hexachloroethane
Concen: 3.662 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:	117	Resp:	39422
Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.7	115.1
201	89.8	73.4	110.2



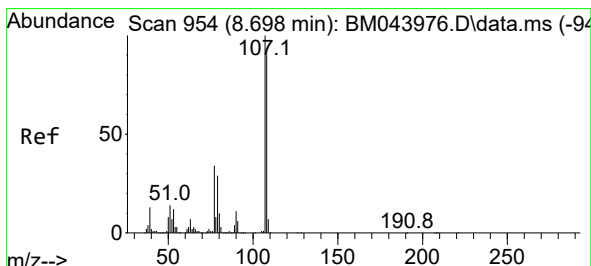
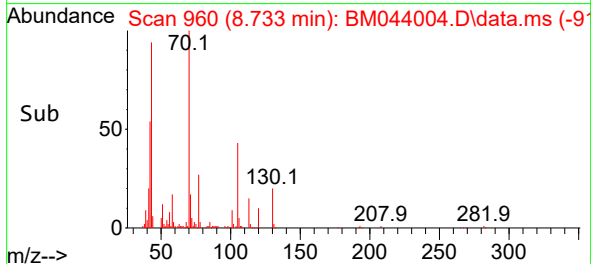
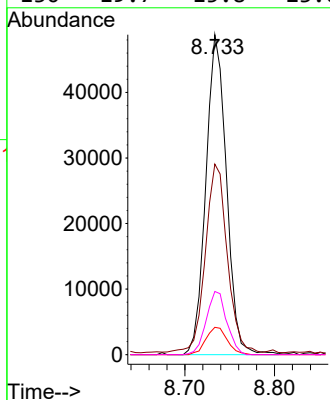
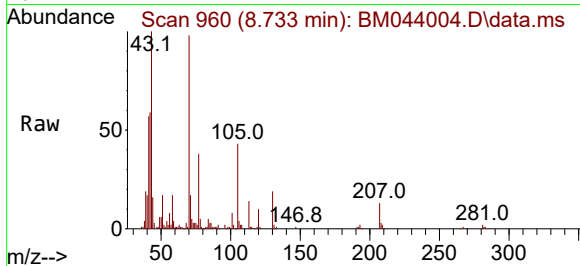


#19
n-Nitroso-di-n-propylamine
Concen: 3.381 ng
RT: 8.733 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

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

Tgt Ion: 70 Resp: 77791

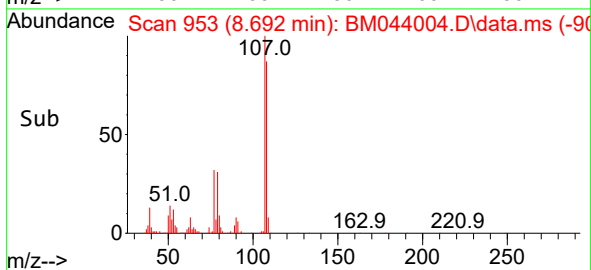
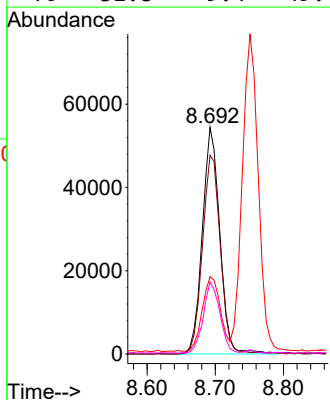
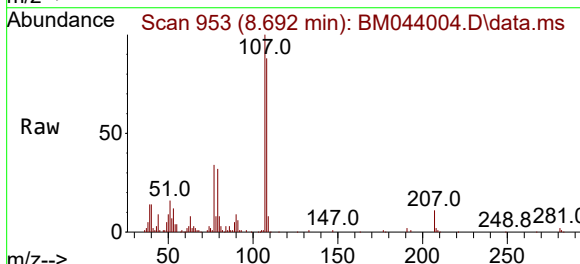
Ion	Ratio	Lower	Upper
70	100		
42	59.6	45.6	68.4
101	8.6	7.5	11.3
130	19.7	15.8	23.6

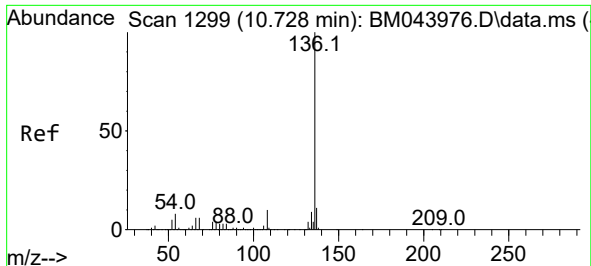


#20
3+4-Methylphenols
Concen: 3.093 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 107 Resp: 97037

Ion	Ratio	Lower	Upper
107	100		
108	87.7	70.3	110.3
77	34.2	14.0	54.0
79	31.8	9.4	49.4

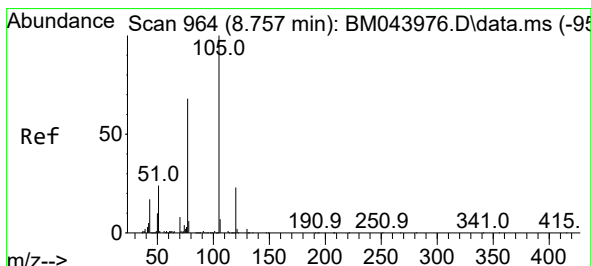
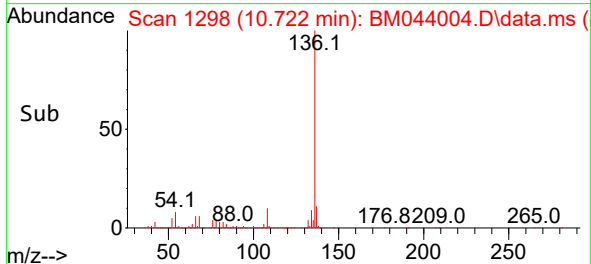
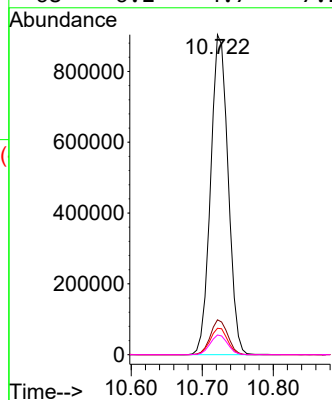
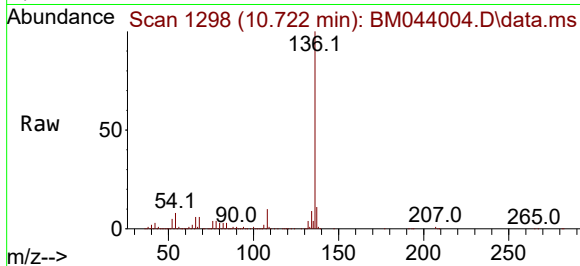




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

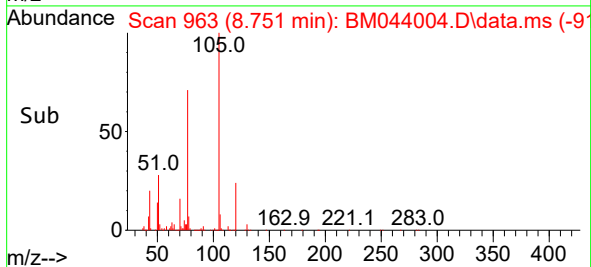
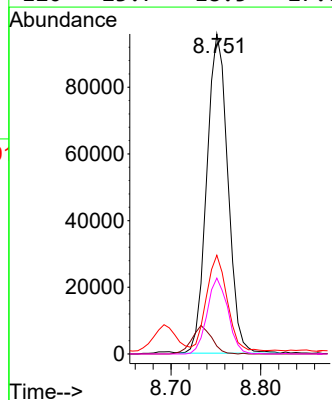
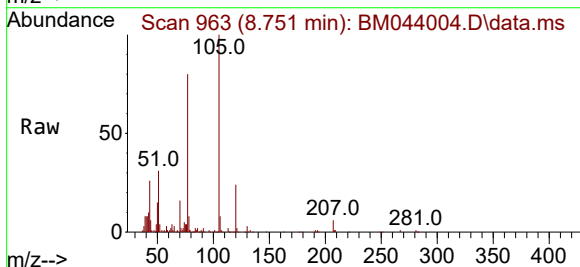
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

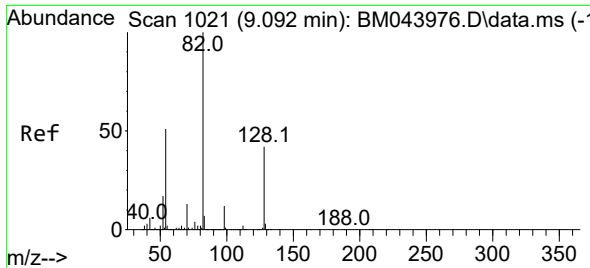
Tgt Ion:136 Resp: 1542865
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.3 6.5 9.7
68 6.2 4.7 7.1



#22
Acetophenone
Concen: 3.737 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:105 Resp: 156222
Ion Ratio Lower Upper
105 100
71 2.5 1.6 2.4#
51 30.8 21.8 32.6
120 23.7 18.5 27.7

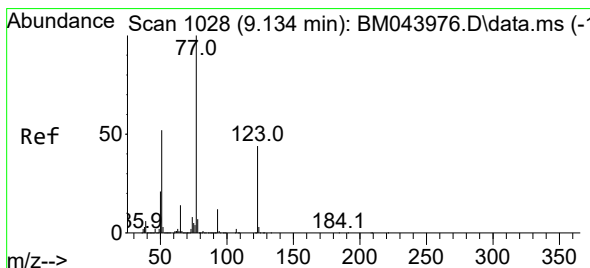
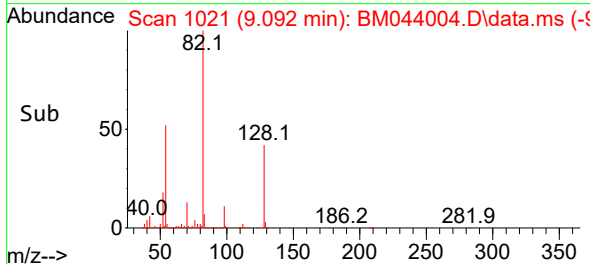
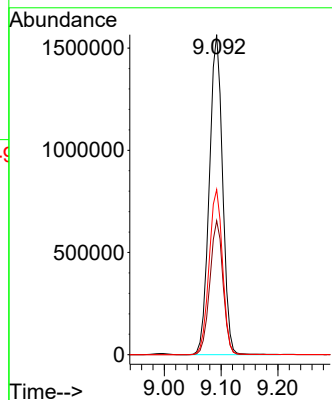
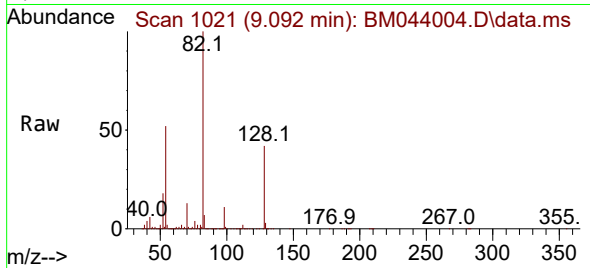




#23
Nitrobenzene-d5
Concen: 78.926 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

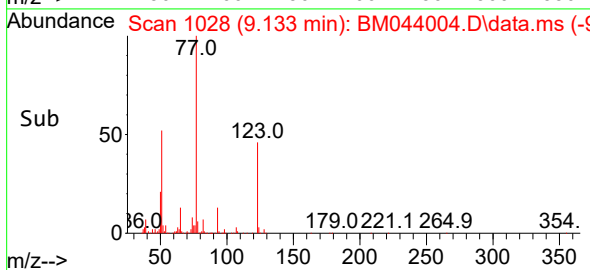
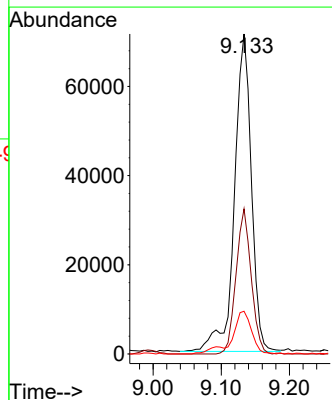
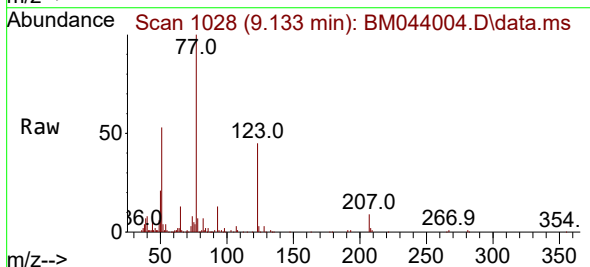
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

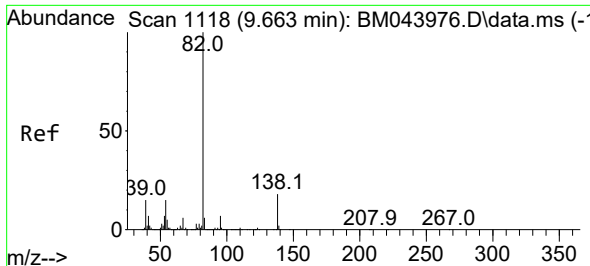
Tgt Ion: 82 Resp: 2526122
Ion Ratio Lower Upper
82 100
128 41.9 33.9 50.9
54 51.6 41.1 61.7



#24
Nitrobenzene
Concen: 3.832 ng
RT: 9.133 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 77 Resp: 123069
Ion Ratio Lower Upper
77 100
123 45.4 35.3 52.9
65 13.4 10.9 16.3

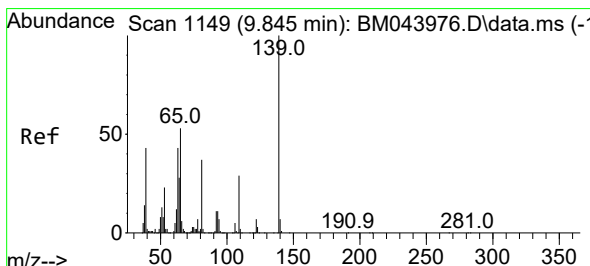
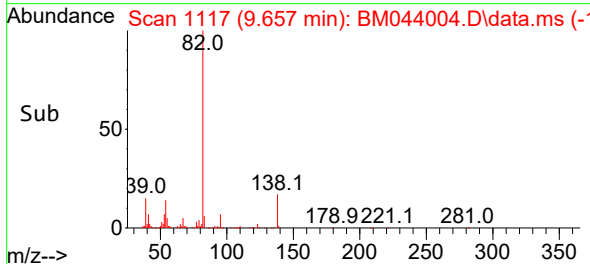
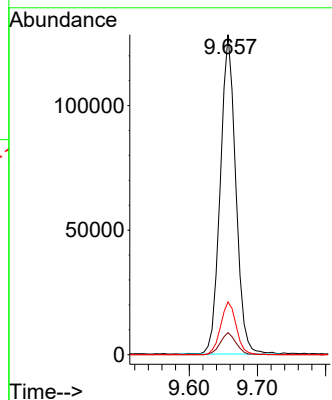
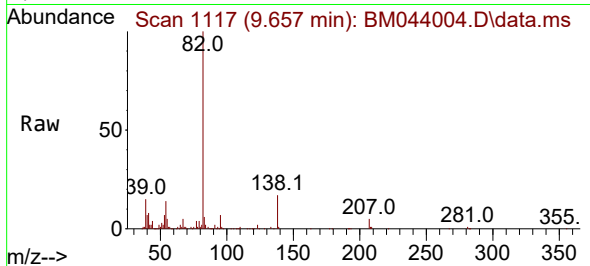




#25
Isophorone
Concen: 3.410 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

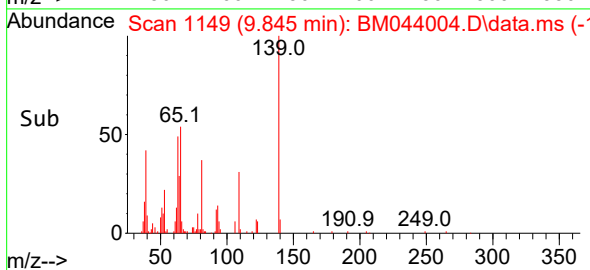
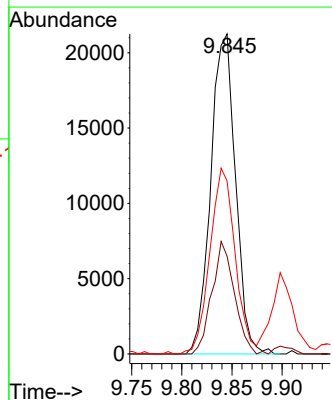
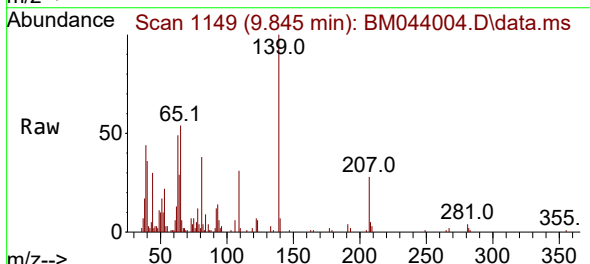
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

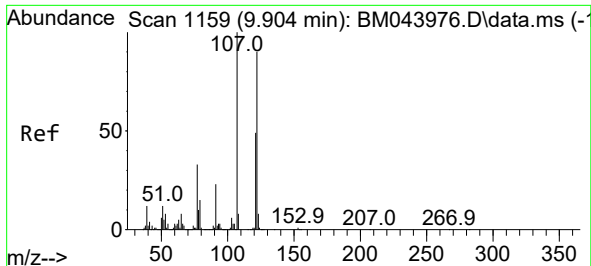
Tgt Ion: 82 Resp: 203145
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 16.5 14.2 21.2



#26
2-Nitrophenol
Concen: 2.812 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 139 Resp: 36493
Ion Ratio Lower Upper
139 100
109 30.6 23.3 34.9
65 54.1 42.5 63.7

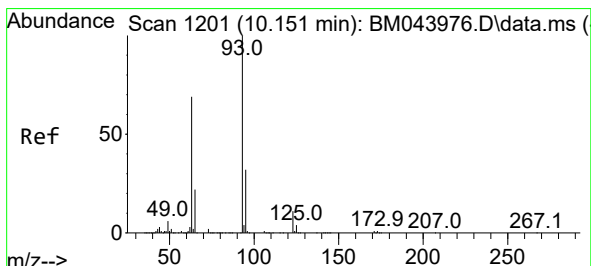
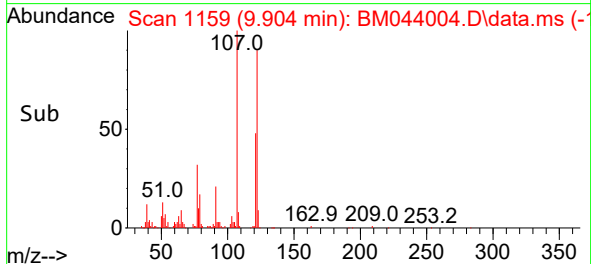
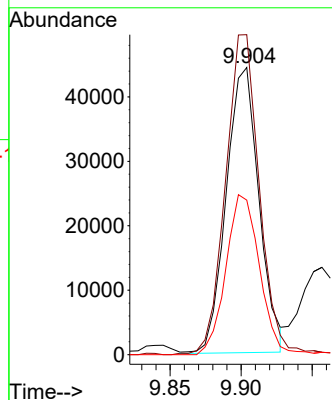
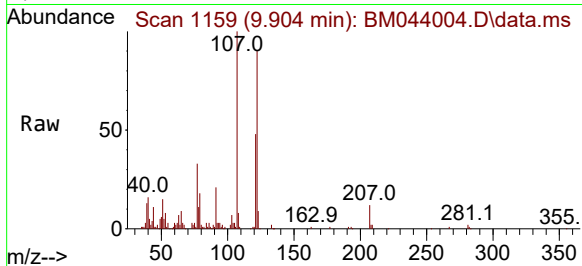




#27
2,4-Dimethylphenol
Concen: 3.992 ng
RT: 9.904 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

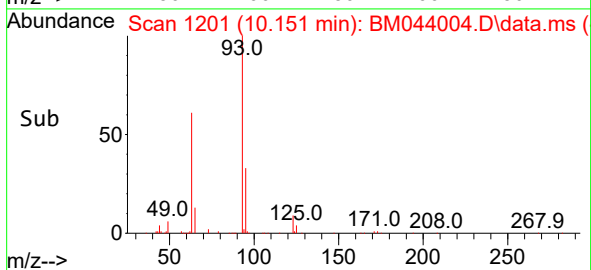
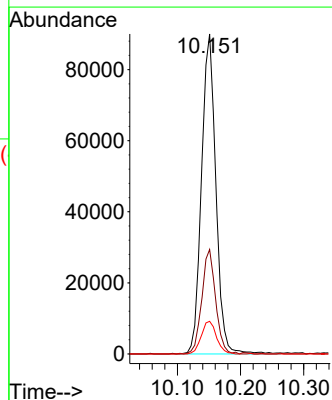
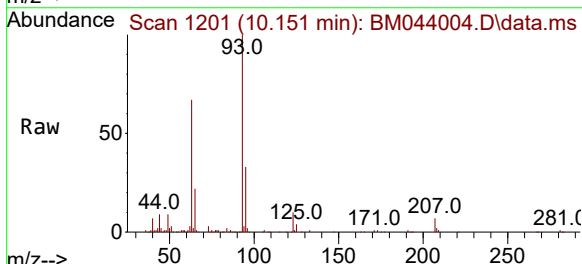
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

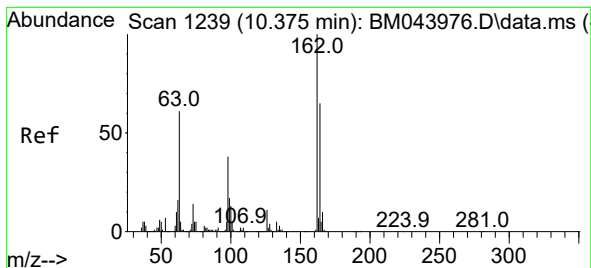
Tgt Ion:122 Resp: 71145
Ion Ratio Lower Upper
122 100
107 111.4 89.0 133.4
121 53.8 43.4 65.0



#28
bis(2-Chloroethoxy)methane
Concen: 3.916 ng
RT: 10.151 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion: 93 Resp: 142490
Ion Ratio Lower Upper
93 100
95 32.6 25.9 38.9
123 10.2 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 3.240 ng

RT: 10.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

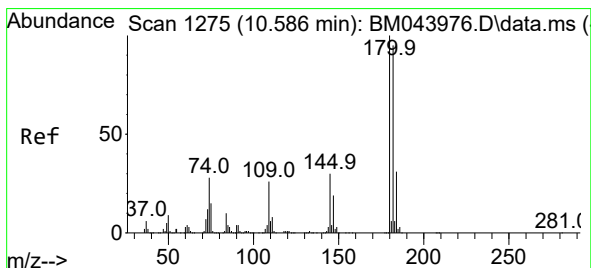
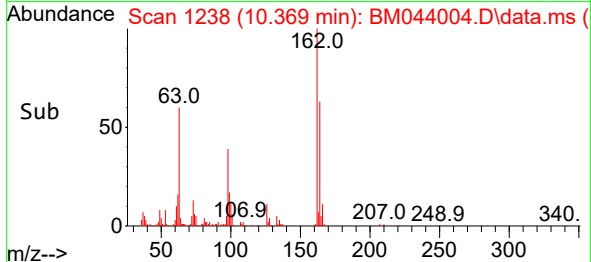
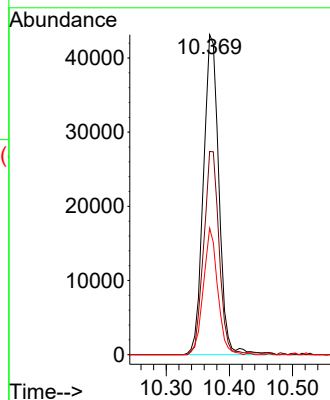
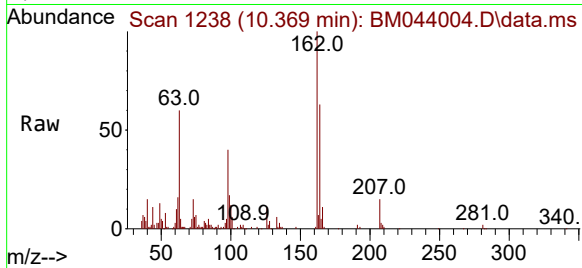
Tgt Ion:162 Resp: 73637

Ion Ratio Lower Upper

162 100

164 63.5 45.1 85.1

98 39.6 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 3.655 ng

RT: 10.586 min Scan# 1275

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

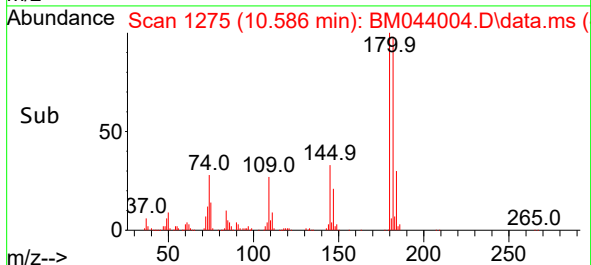
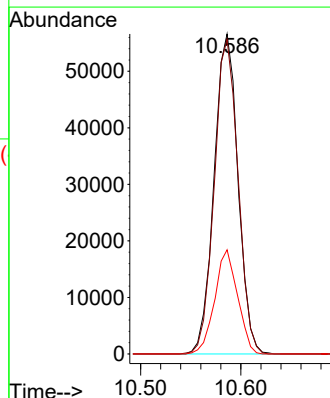
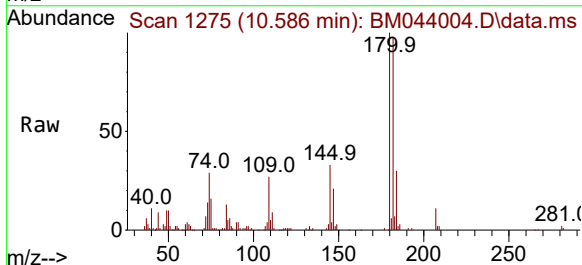
Tgt Ion:180 Resp: 93825

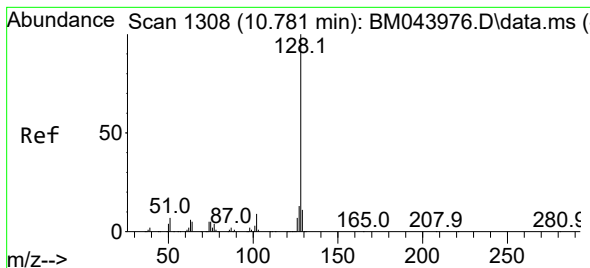
Ion Ratio Lower Upper

180 100

182 98.3 76.0 114.0

145 32.5 24.2 36.2





#31

Naphthalene

Concen: 3.640 ng

RT: 10.774 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

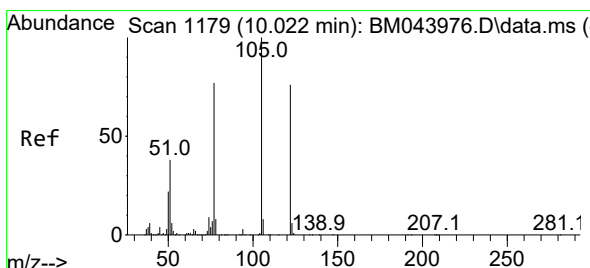
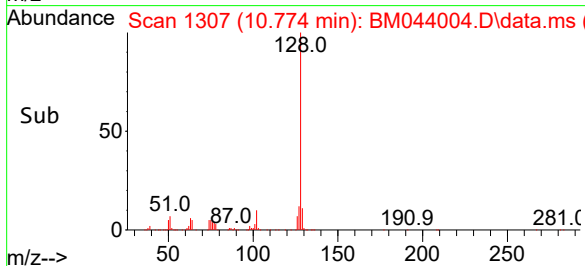
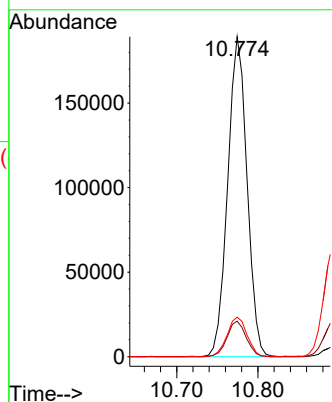
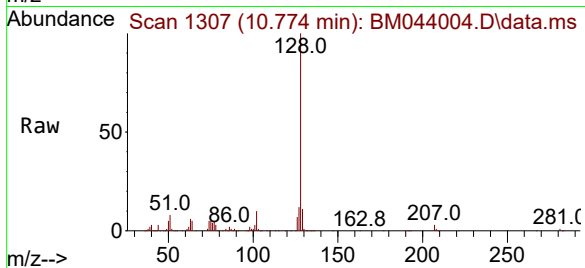
Tgt Ion:128 Resp: 313041

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

127 12.3 10.1 15.1



#32

Benzoic acid

Concen: 7.838 ng

RT: 9.957 min Scan# 1168

Delta R.T. -0.065 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

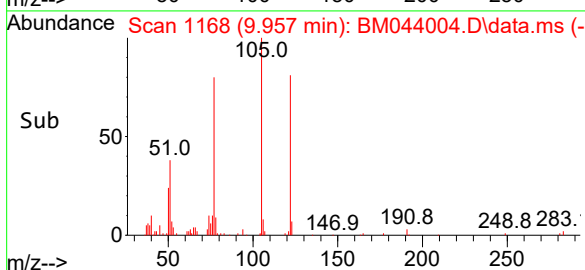
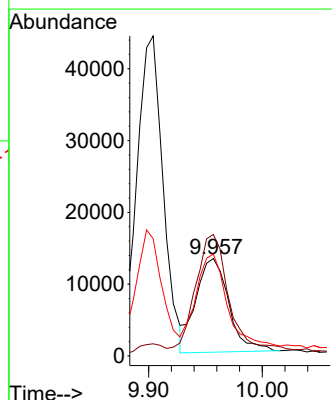
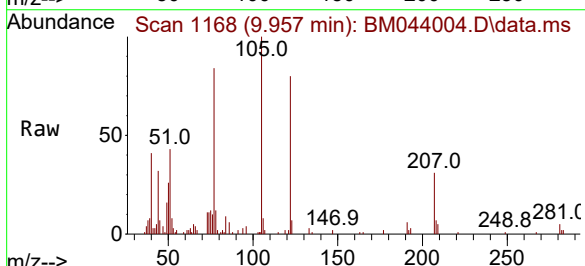
Tgt Ion:122 Resp: 26240

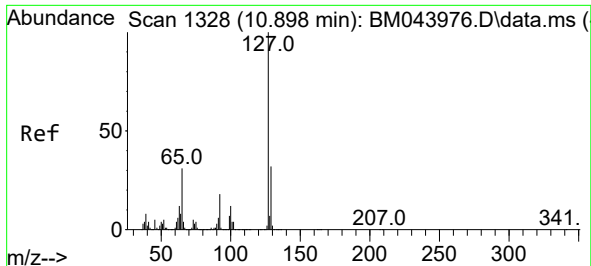
Ion Ratio Lower Upper

122 100

105 124.7 109.4 149.4

77 104.6 80.5 120.5

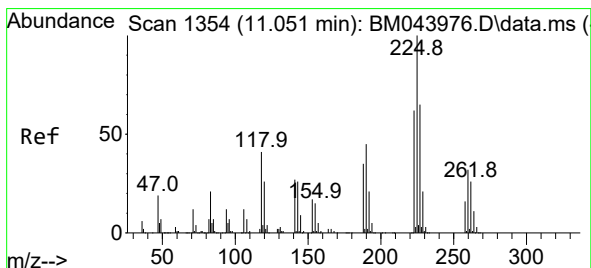
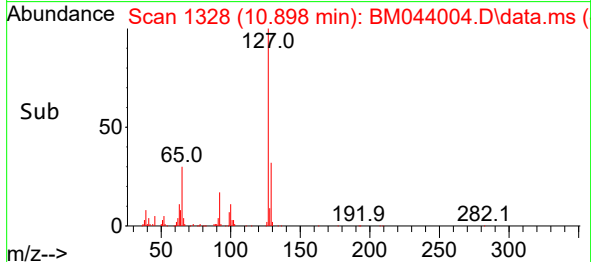
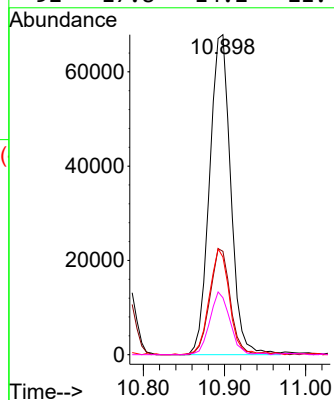
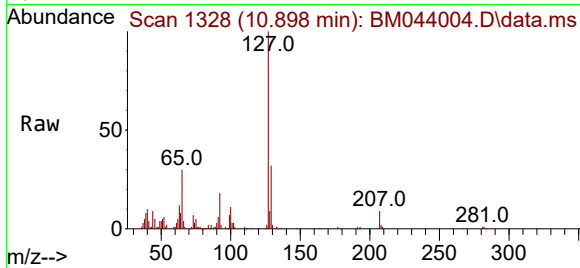




#33
4-Chloroaniline
Concen: 3.480 ng
RT: 10.898 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

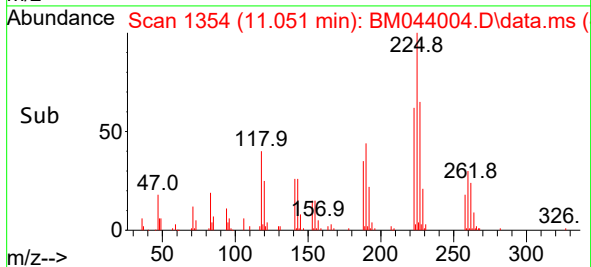
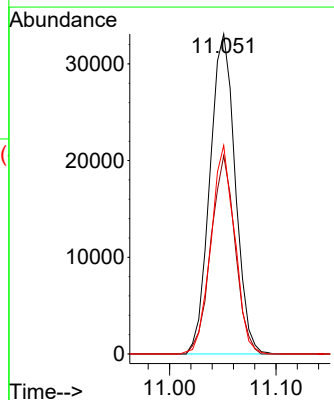
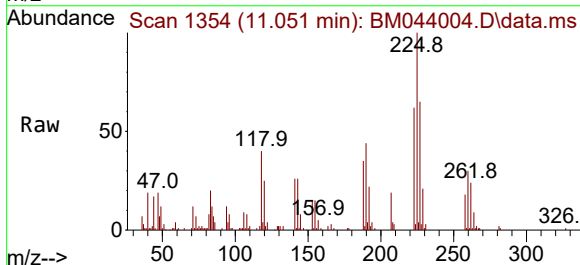
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

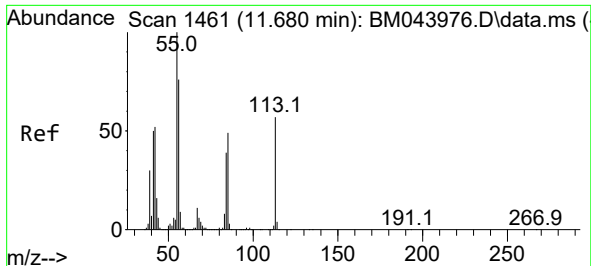
Tgt Ion:	127	Resp:	123016
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.6	38.4
65	30.5	24.5	36.7
92	17.8	14.2	21.4



#34
Hexachlorobutadiene
Concen: 3.892 ng
RT: 11.051 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:	225	Resp:	54497
Ion	Ratio	Lower	Upper
225	100		
223	65.1	49.8	74.8
227	67.7	51.7	77.5

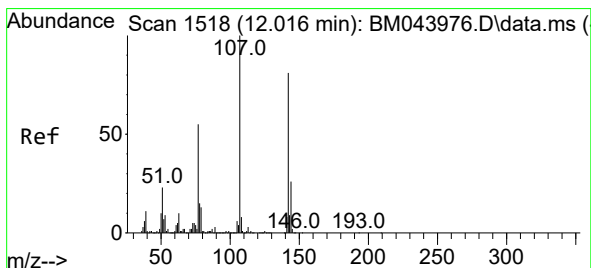
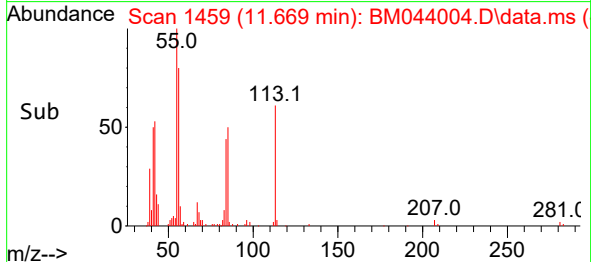
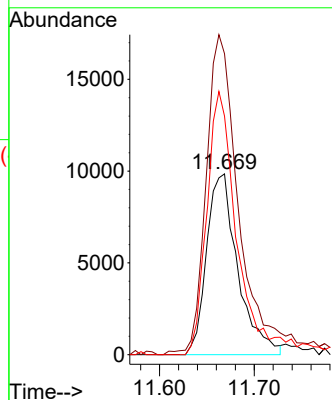
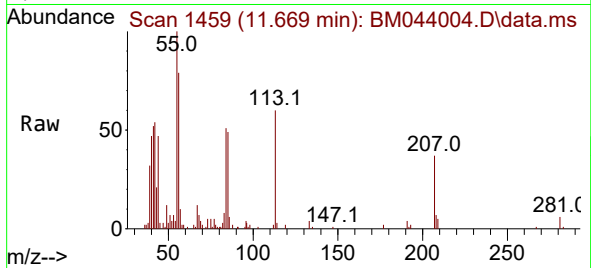




#35
Caprolactam
Concen: 2.420 ng
RT: 11.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

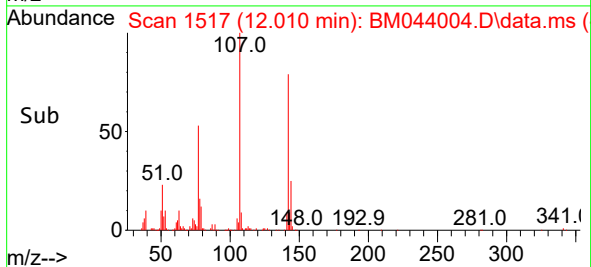
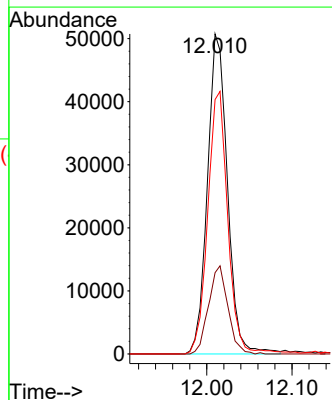
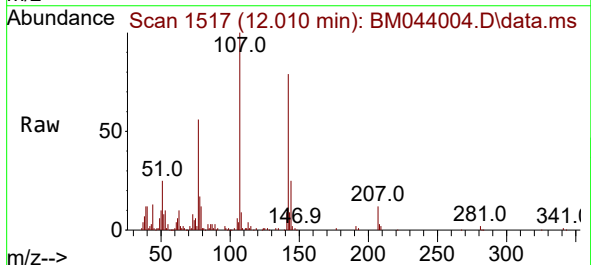
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

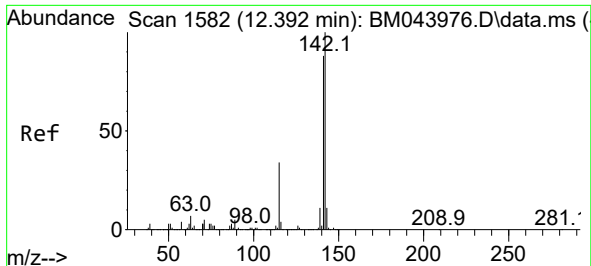
Tgt Ion	Ratio	Lower	Upper
113	100		
55	166.5	154.3	194.3
56	132.0	112.2	152.2



#36
4-Chloro-3-methylphenol
Concen: 2.977 ng
RT: 12.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.1	31.7
142	79.5	65.0	97.4

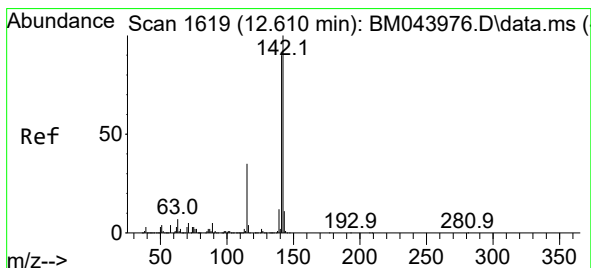
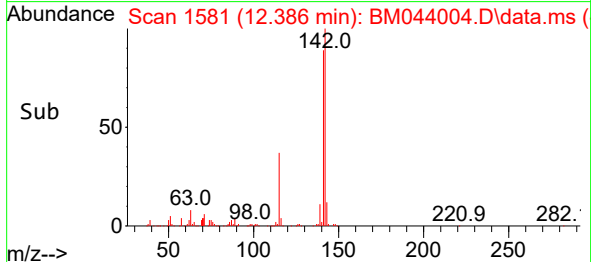
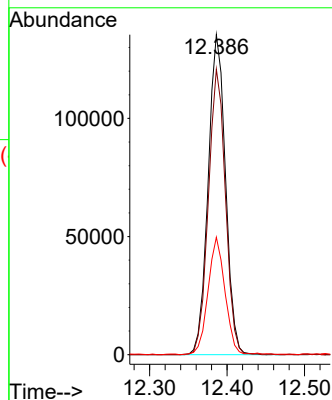
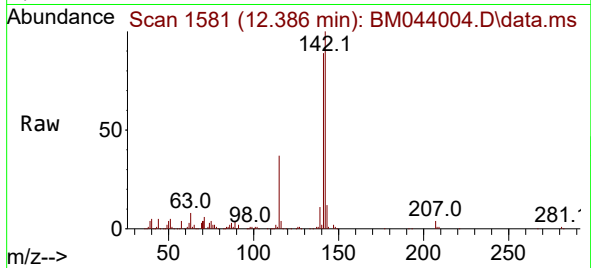




#37
2-Methylnaphthalene
Concen: 3.513 ng
RT: 12.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

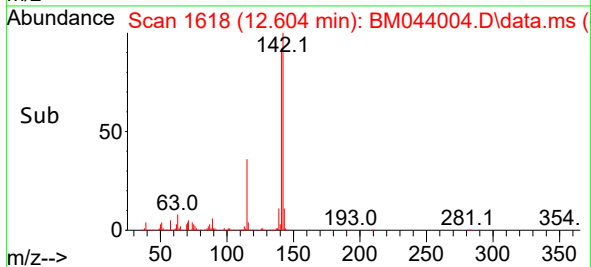
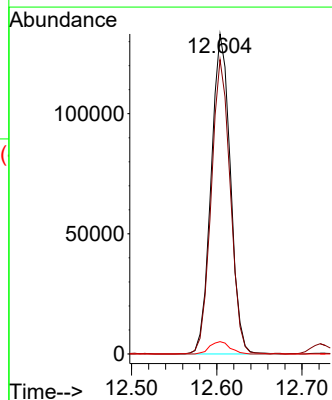
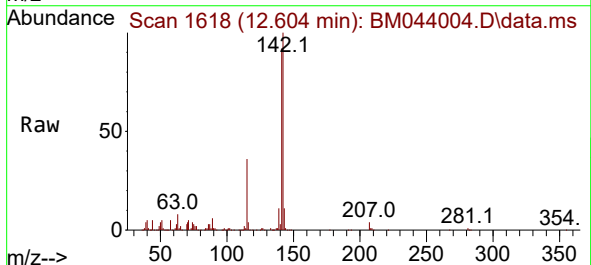
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

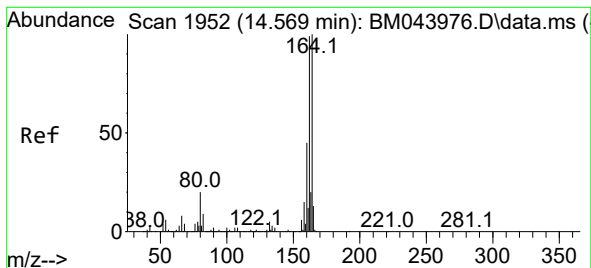
Tgt Ion:142 Resp: 210678
Ion Ratio Lower Upper
142 100
141 89.2 70.2 105.2
115 36.7 27.2 40.8



#38
1-Methylnaphthalene
Concen: 3.492 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:142 Resp: 209048
Ion Ratio Lower Upper
142 100
141 92.0 72.1 108.1
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1951

Delta R.T. -0.007 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

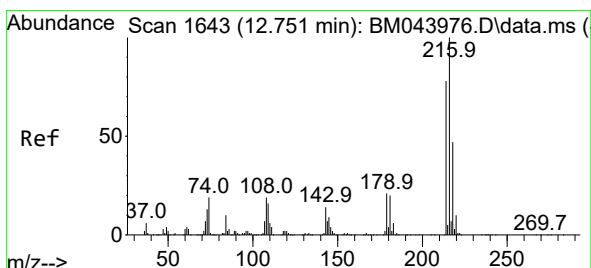
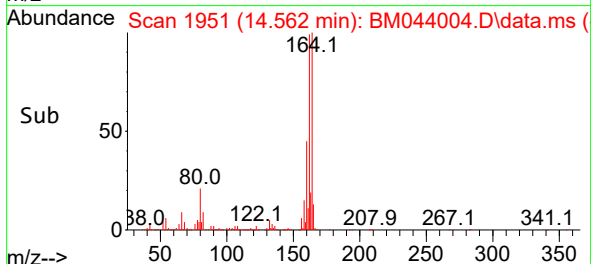
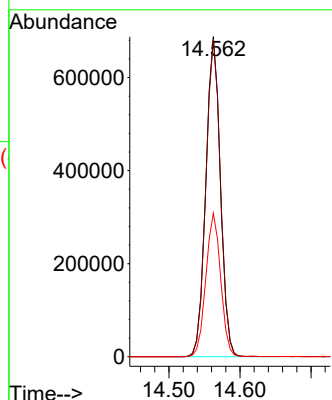
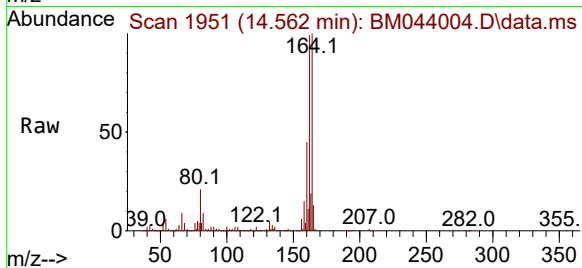
Tgt Ion:164 Resp: 977304

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.4

160 44.9 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.820 ng

RT: 12.745 min Scan# 1642

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Tgt Ion:216 Resp: 105885

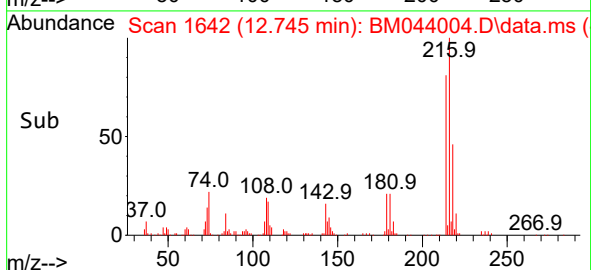
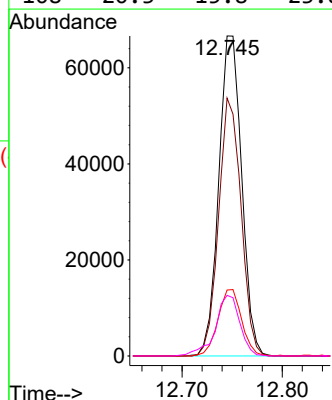
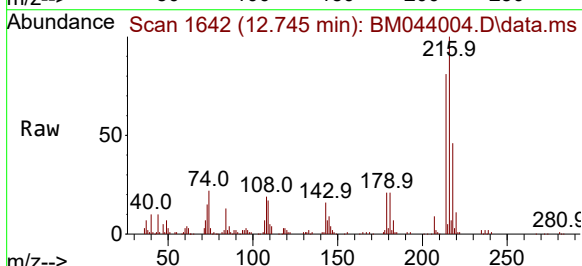
Ion Ratio Lower Upper

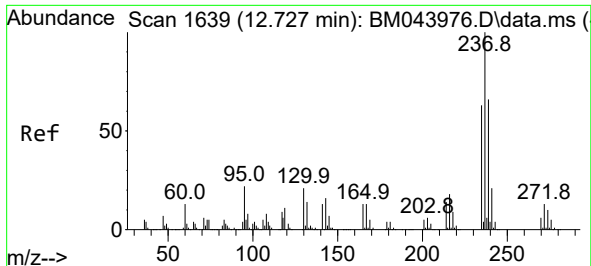
216 100

214 78.7 62.6 94.0

179 21.5 16.7 25.1

108 20.3 15.8 23.8

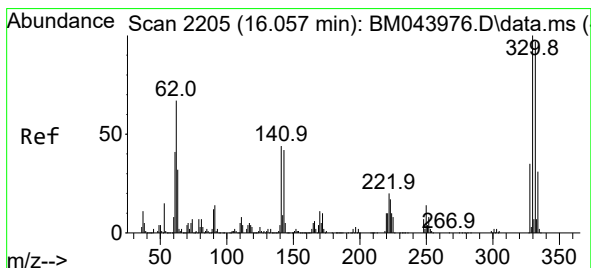
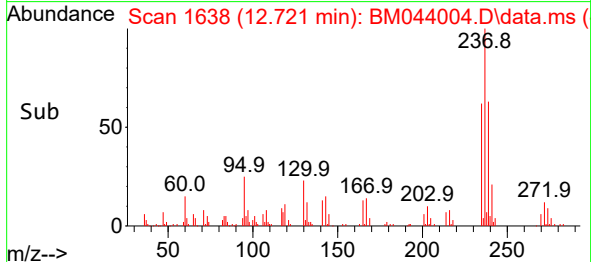
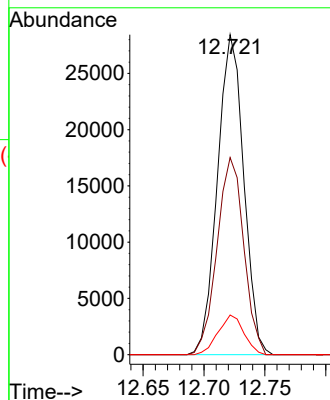
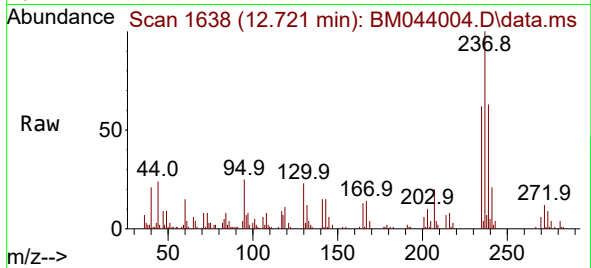




#41
Hexachlorocyclopentadiene
Concen: 4.691 ng
RT: 12.721 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

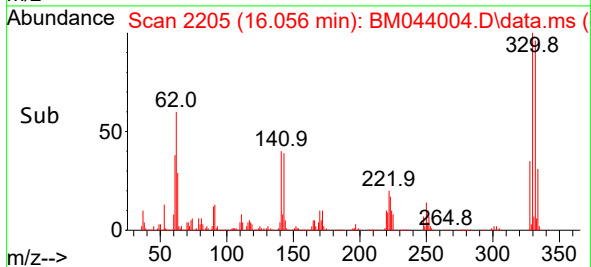
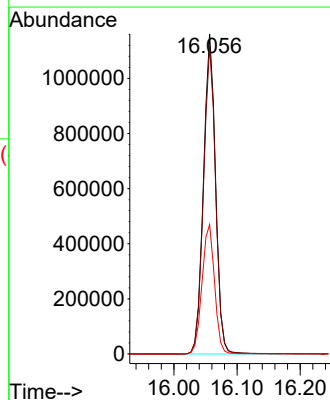
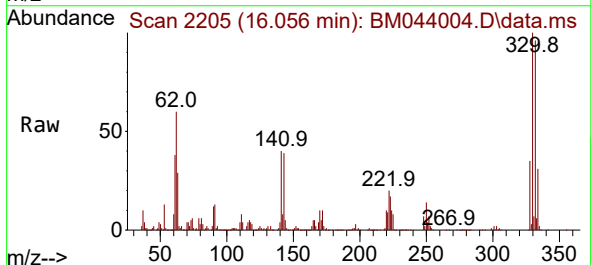
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

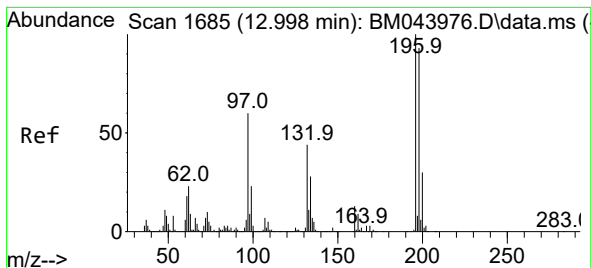
Tgt Ion:237 Resp: 42768
Ion Ratio Lower Upper
237 100
235 61.6 43.5 83.5
272 12.4 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 129.871 ng
RT: 16.056 min Scan# 2205
Delta R.T. -0.001 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:330 Resp: 1547181
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 41.9 33.5 50.3





#43

2,4,6-Trichlorophenol

Concen: 3.024 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM044004.D

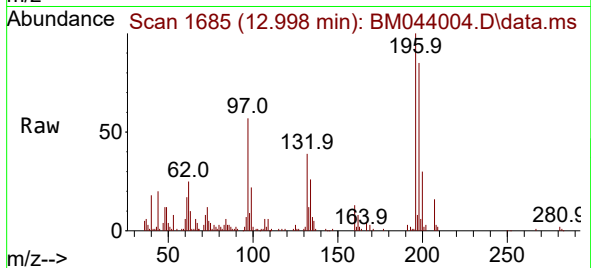
Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



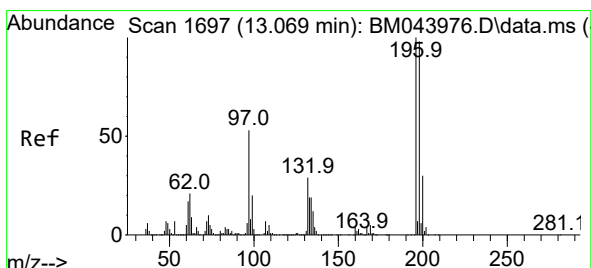
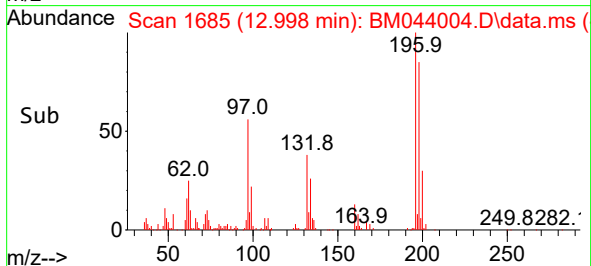
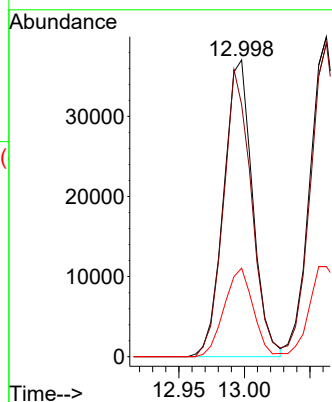
Tgt Ion:196 Resp: 56642

Ion Ratio Lower Upper

196 100

198 84.9 74.2 111.2

200 29.8 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 3.006 ng

RT: 13.063 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Tgt Ion:196 Resp: 64245

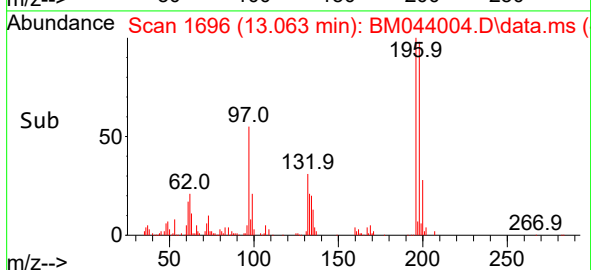
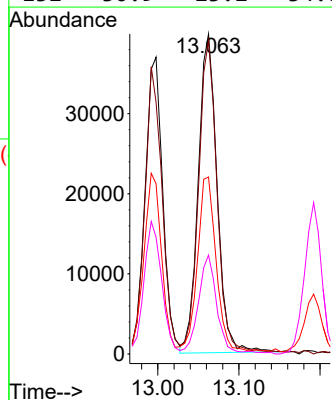
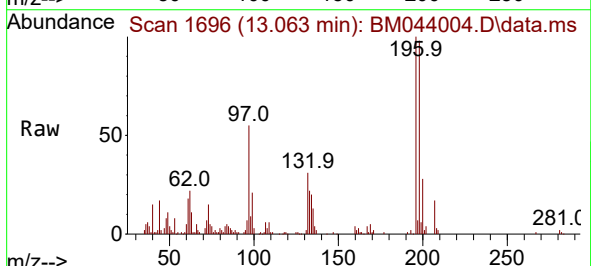
Ion Ratio Lower Upper

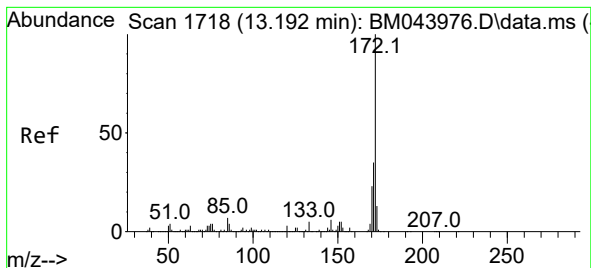
196 100

198 98.0 78.1 117.1

97 55.3 42.2 63.2

132 30.9 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 81.897 ng

RT: 13.192 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

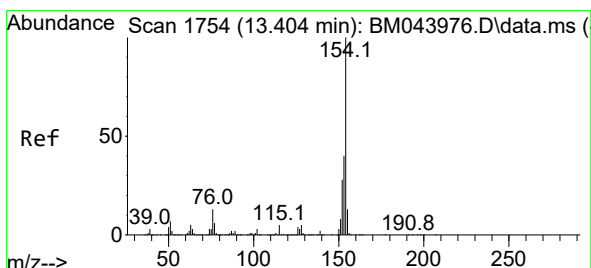
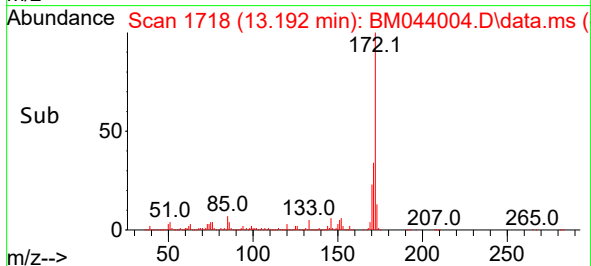
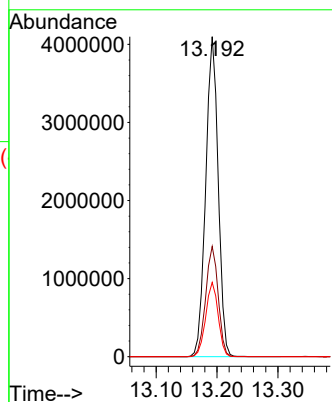
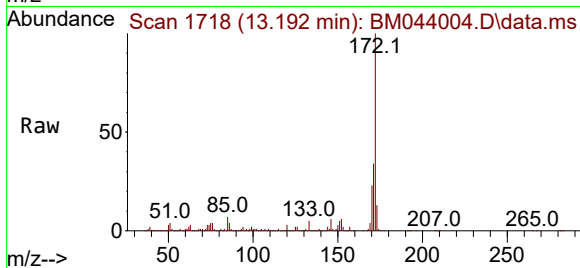
Tgt Ion:172 Resp: 5824912

Ion Ratio Lower Upper

172 100

171 34.5 27.9 41.9

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 3.815 ng

RT: 13.404 min Scan# 1754

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

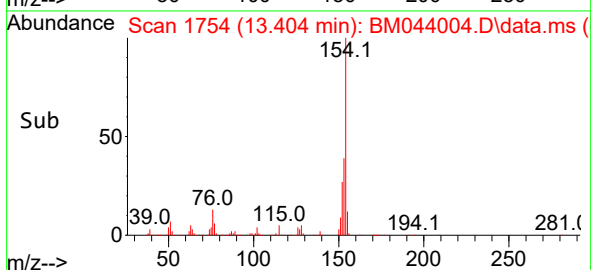
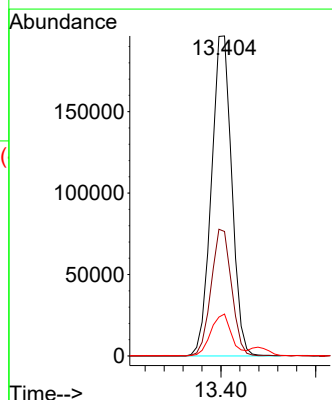
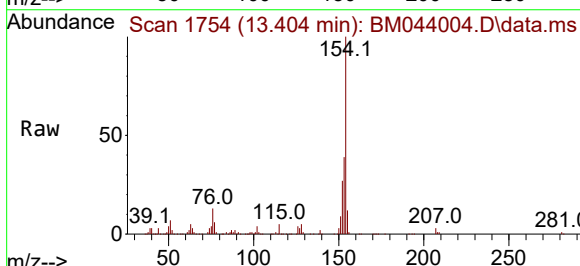
Tgt Ion:154 Resp: 293195

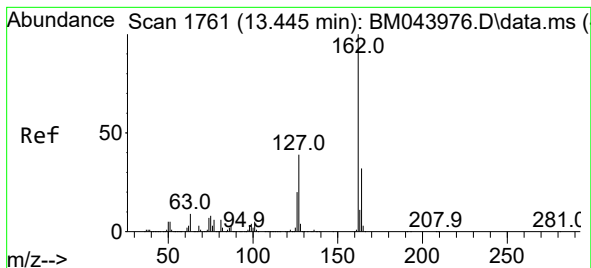
Ion Ratio Lower Upper

154 100

153 38.9 19.8 59.8

76 13.1 0.0 33.0





#47

2-Chloronaphthalene

Concen: 3.677 ng

RT: 13.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

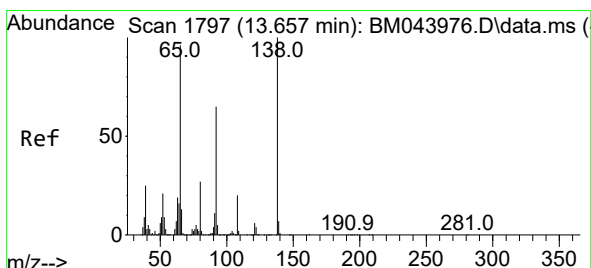
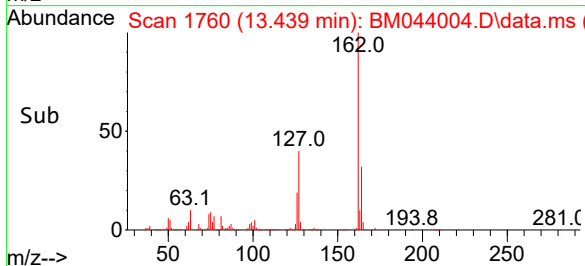
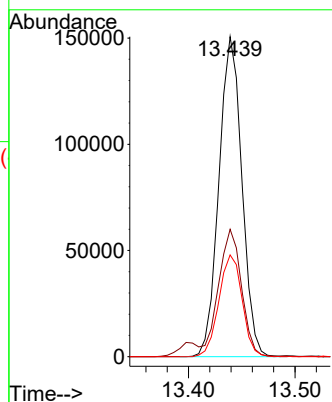
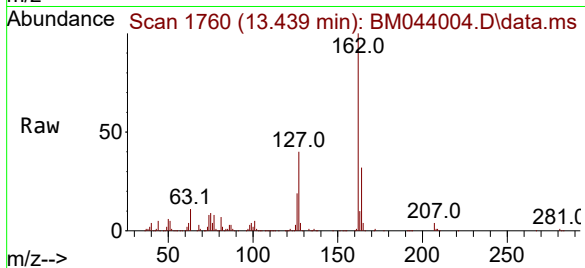
Tgt Ion:162 Resp: 225370

Ion Ratio Lower Upper

162 100

127 39.8 31.0 46.6

164 31.8 25.8 38.6



#48

2-Nitroaniline

Concen: 2.887 ng

RT: 13.651 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

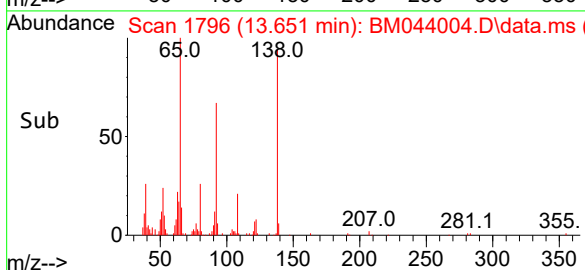
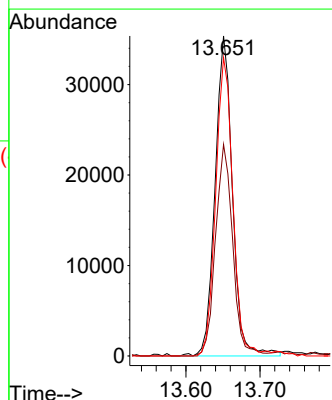
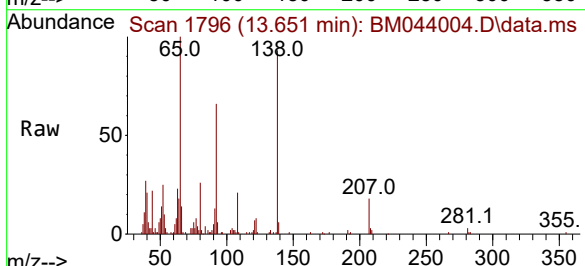
Tgt Ion: 65 Resp: 57557

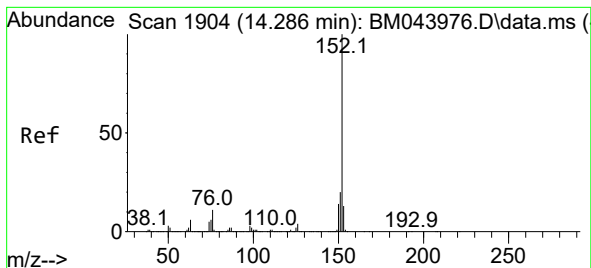
Ion Ratio Lower Upper

65 100

92 66.1 53.6 80.4

138 93.2 83.0 124.6





#49

Acenaphthylene

Concen: 3.693 ng

RT: 14.286 min Scan# 1904

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

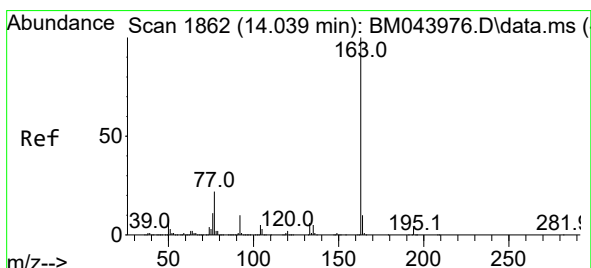
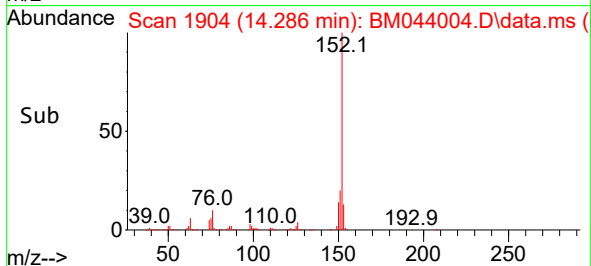
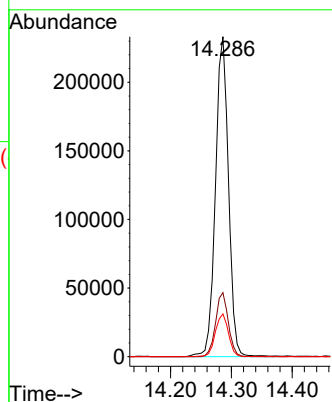
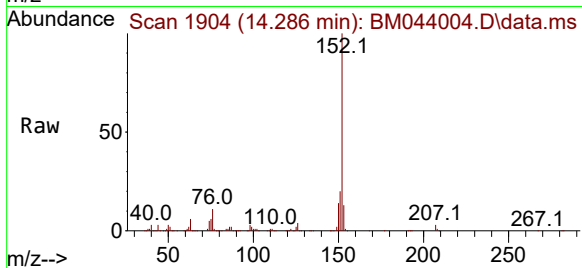
Tgt Ion:152 Resp: 345979

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.4 10.4 15.6



#50

Dimethylphthalate

Concen: 3.617 ng

RT: 14.033 min Scan# 1861

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

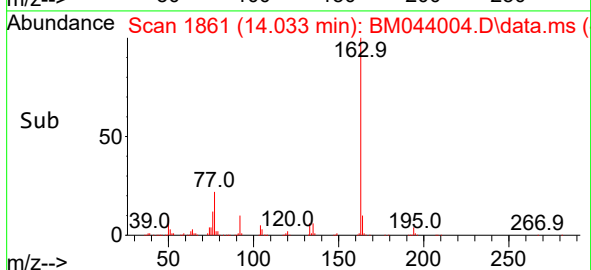
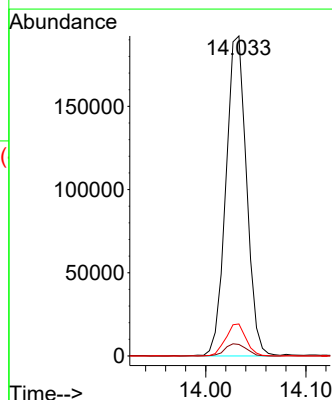
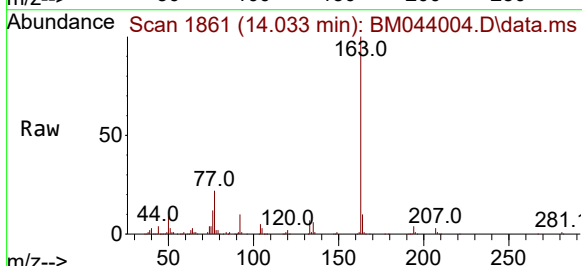
Tgt Ion:163 Resp: 274556

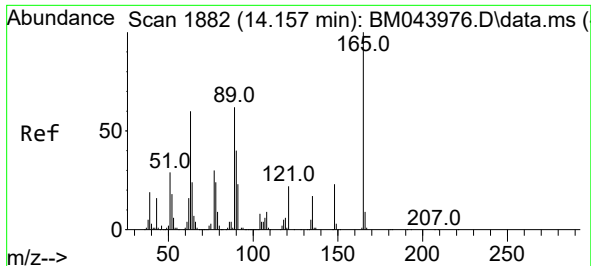
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

164 10.0 8.0 12.0

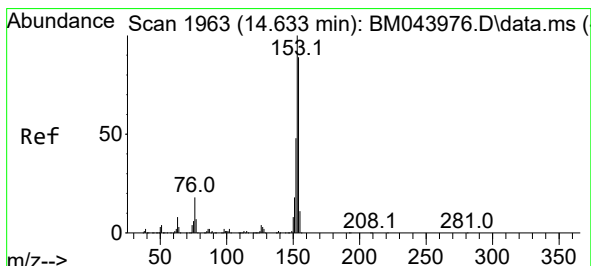
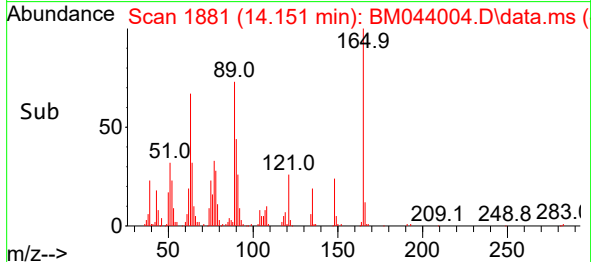
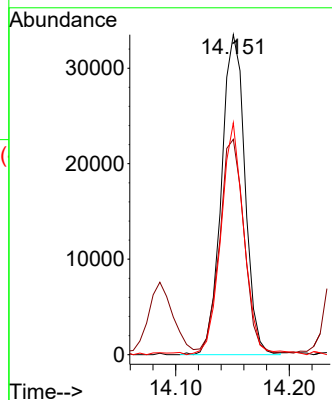
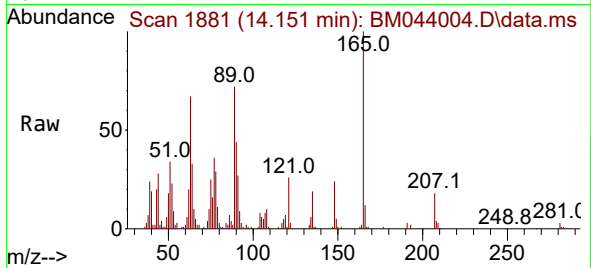




#51
2,6-Dinitrotoluene
Concen: 2.889 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

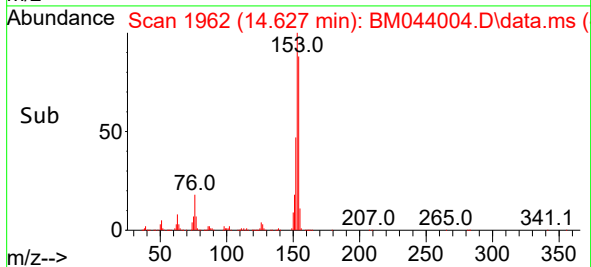
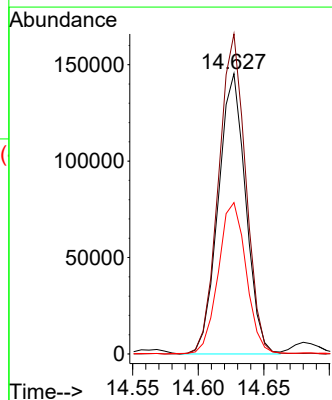
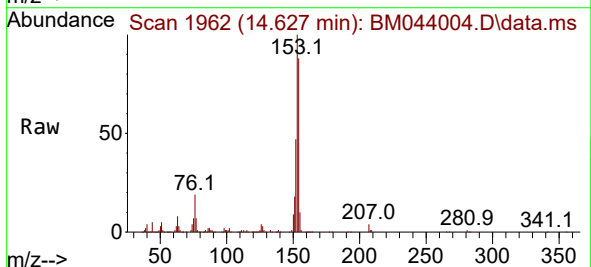
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

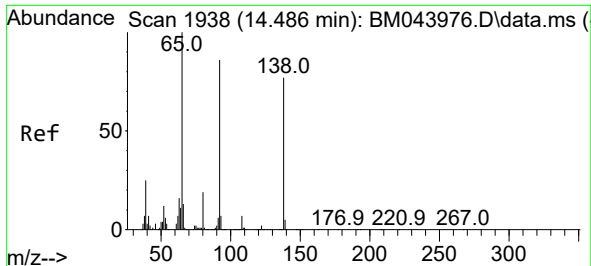
Tgt Ion:165 Resp: 48214
Ion Ratio Lower Upper
165 100
63 67.3 51.1 76.7
89 72.5 49.5 74.3



#52
Acenaphthene
Concen: 3.559 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:154 Resp: 211385
Ion Ratio Lower Upper
154 100
153 114.2 90.1 135.1
152 54.0 43.6 65.4

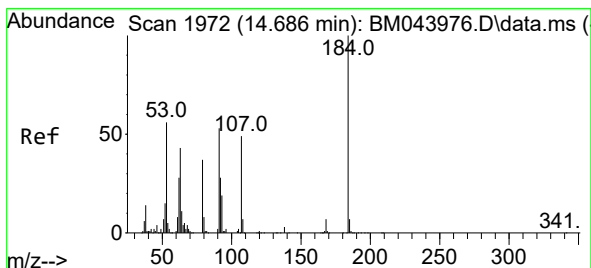
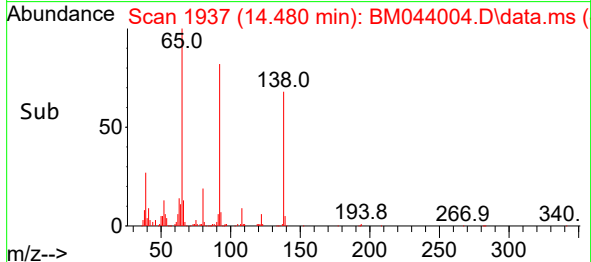
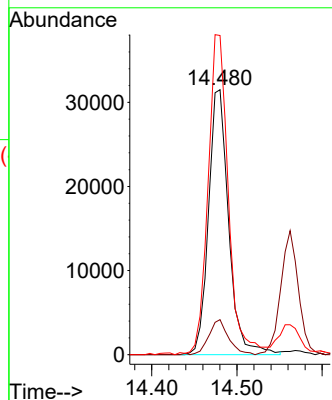
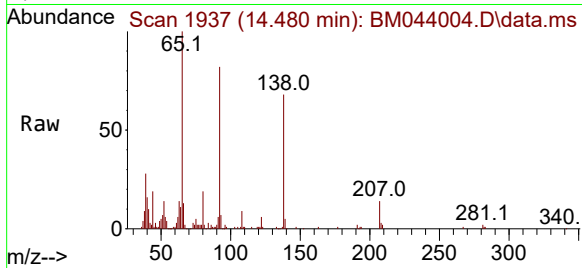




#53
3-Nitroaniline
Concen: 2.675 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

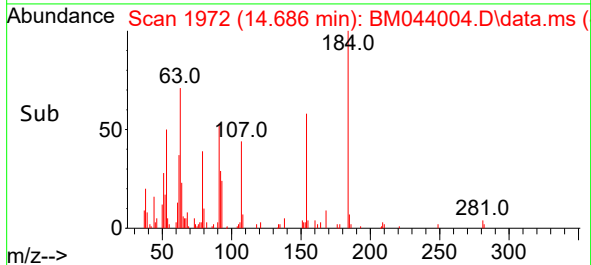
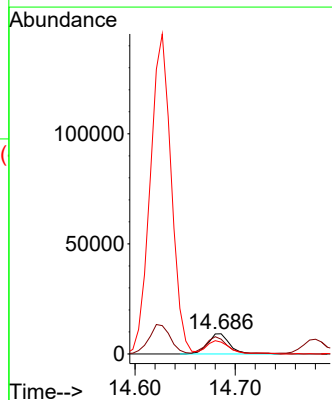
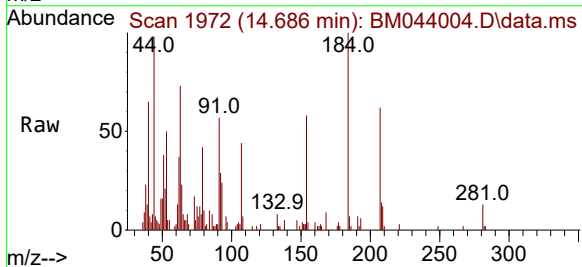
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

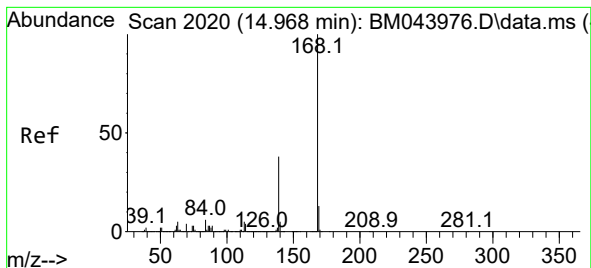
Tgt Ion:138 Resp: 51817
Ion Ratio Lower Upper
138 100
108 13.2 7.8 11.6#
92 120.5 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 8.639 ng
RT: 14.686 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:184 Resp: 13911
Ion Ratio Lower Upper
184 100
63 73.5 62.8 94.2
154 58.4 51.4 77.2





#55

Dibenzofuran

Concen: 3.795 ng

RT: 14.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

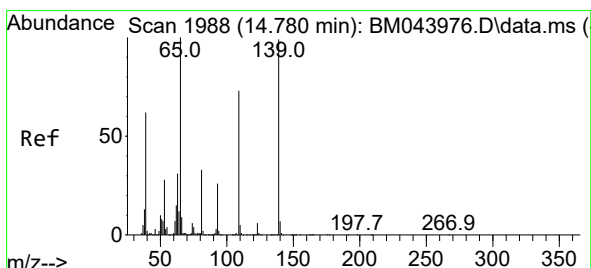
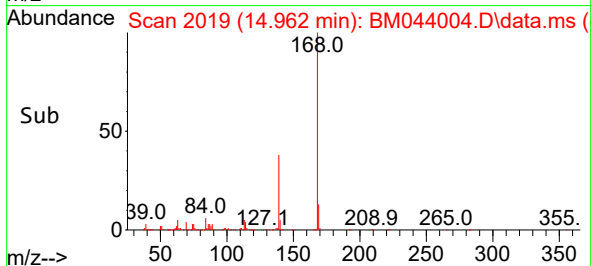
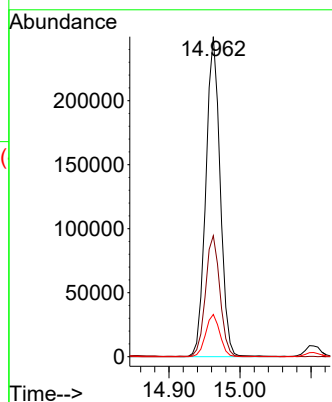
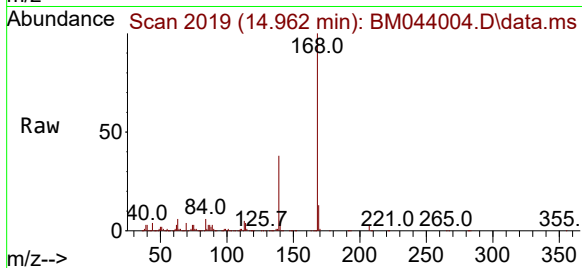
Tgt Ion:168 Resp: 350808

Ion Ratio Lower Upper

168 100

139 37.8 30.7 46.1

169 13.2 10.5 15.7



#56

4-Nitrophenol

Concen: 2.262 ng

RT: 14.780 min Scan# 1988

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

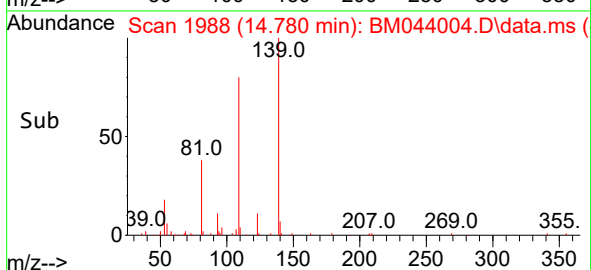
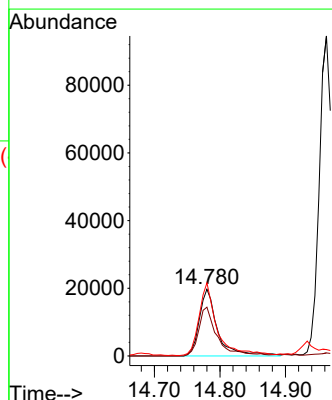
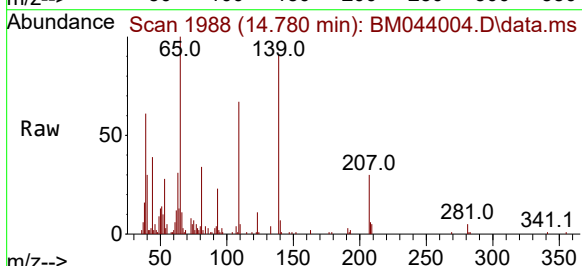
Tgt Ion:139 Resp: 38298

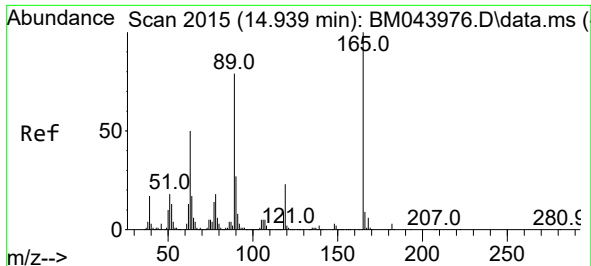
Ion Ratio Lower Upper

139 100

109 73.1 53.2 93.2

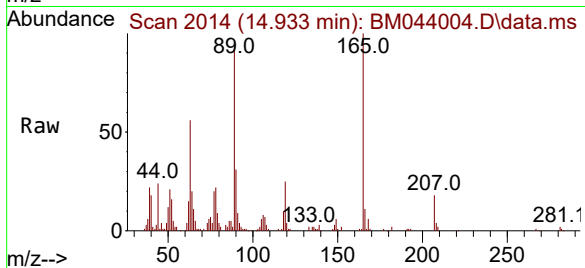
65 109.7 80.7 120.7



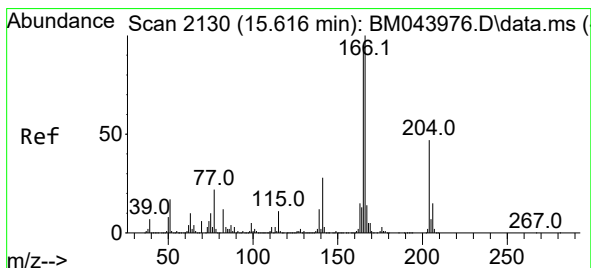
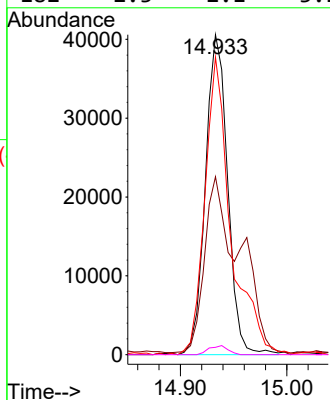
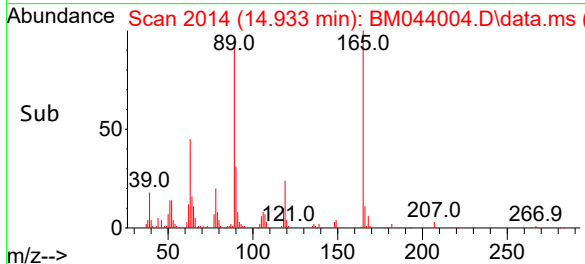


#57
2,4-Dinitrotoluene
Concen: 2.531 ng
RT: 14.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

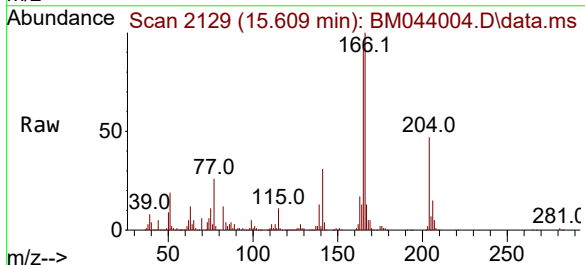
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



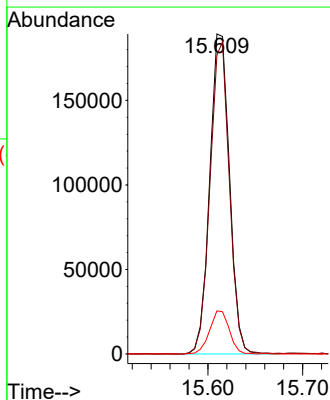
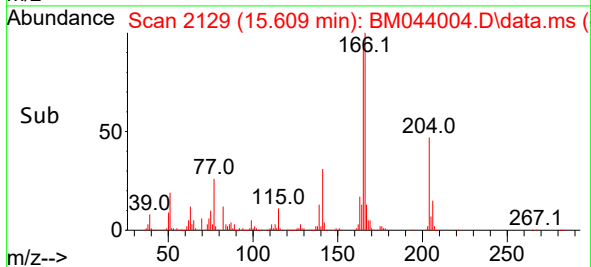
Tgt Ion:165 Resp: 58786
Ion Ratio Lower Upper
165 100
63 55.6 40.2 60.4
89 93.0 63.3 94.9
182 2.3 2.1 3.1

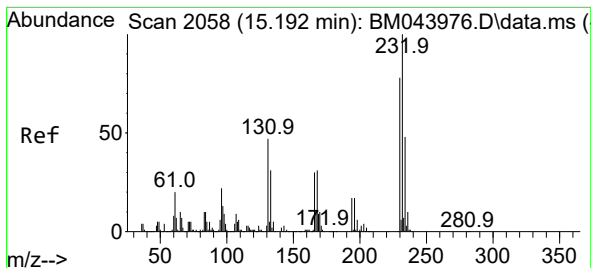


#58
Fluorene
Concen: 3.528 ng
RT: 15.609 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43



Tgt Ion:166 Resp: 275391
Ion Ratio Lower Upper
166 100
165 93.4 76.3 114.5
167 13.5 10.9 16.3

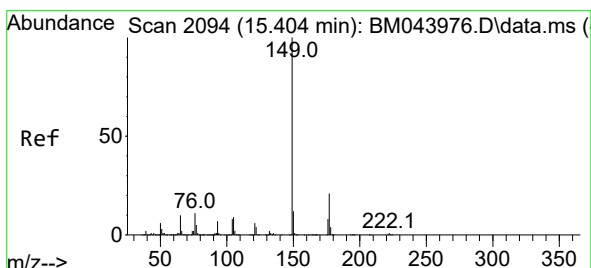
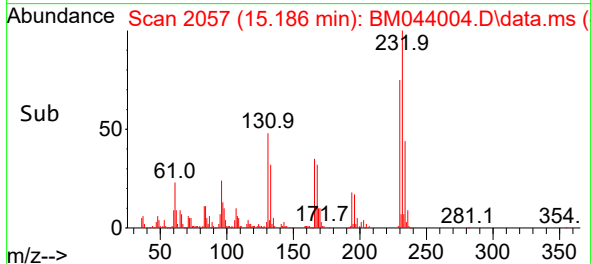
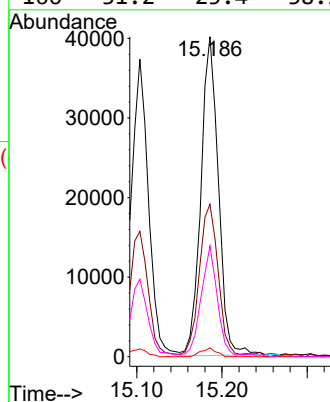
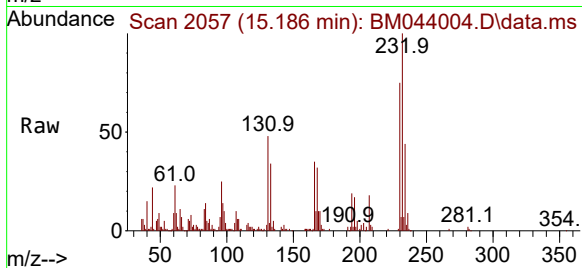




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.108 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

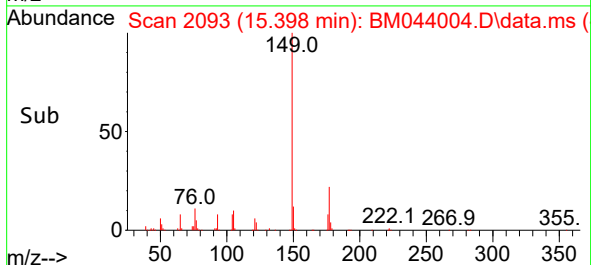
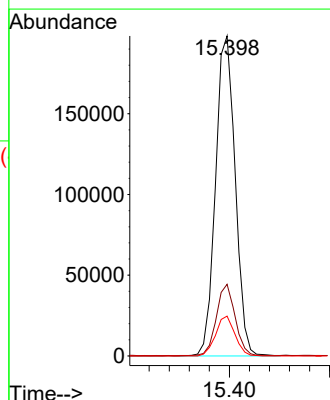
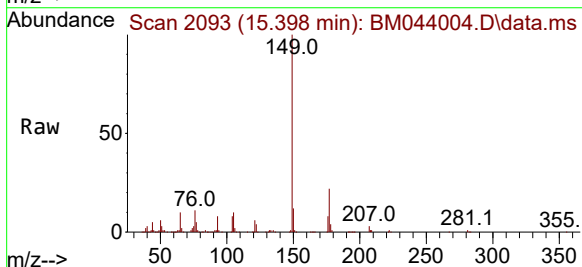
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

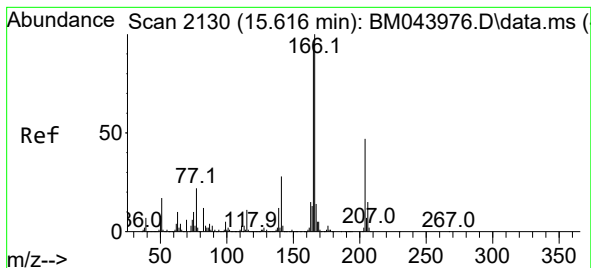
Tgt Ion:232 Resp: 57258
Ion Ratio Lower Upper
232 100
131 50.1 39.8 59.6
130 2.4 2.0 3.0
166 31.2 25.4 38.2



#60
Diethylphthalate
Concen: 3.430 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:149 Resp: 269532
Ion Ratio Lower Upper
149 100
177 22.4 17.1 25.7
150 12.5 9.8 14.6

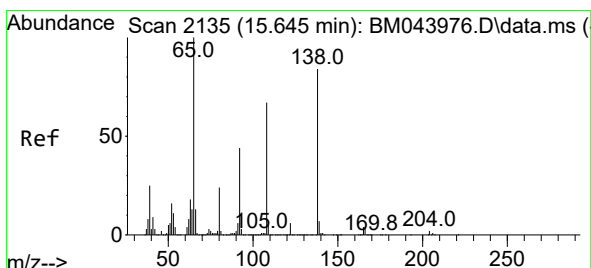
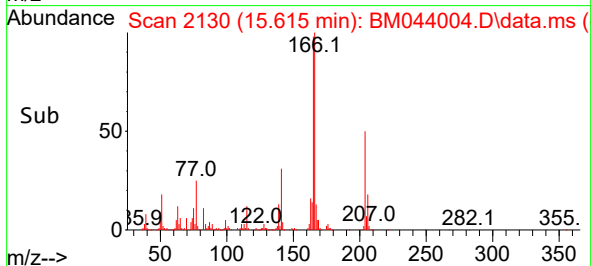
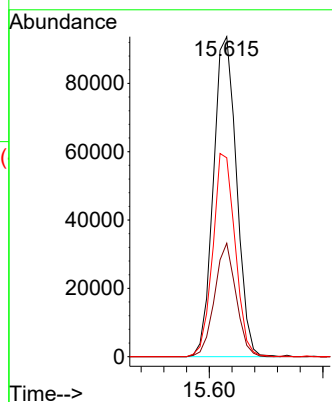
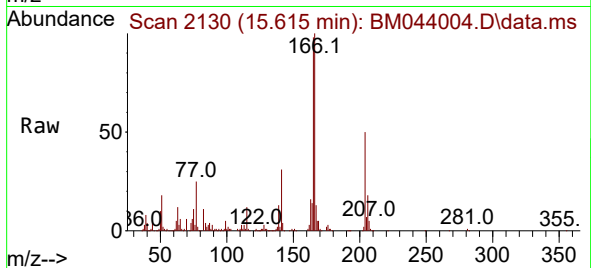




#61
4-Chlorophenyl-phenylether
Concen: 3.635 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

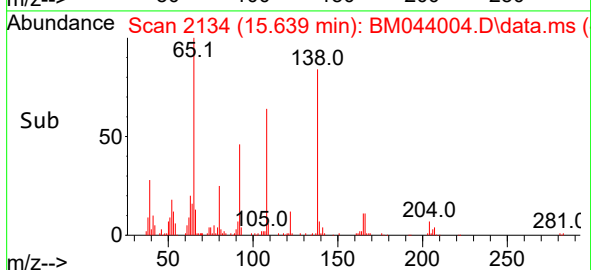
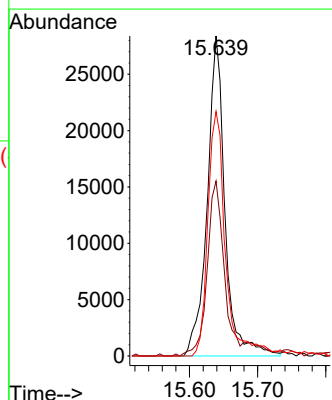
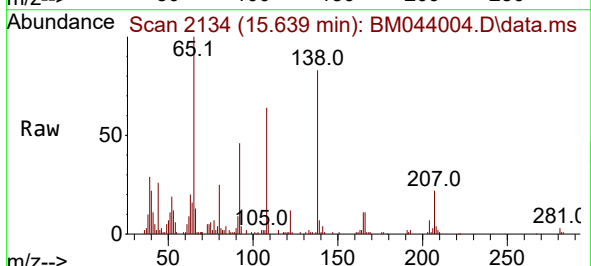
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

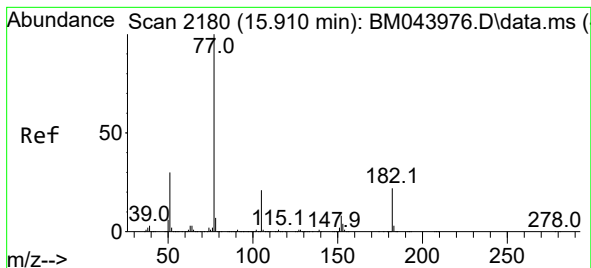
Tgt Ion:204 Resp: 132360
Ion Ratio Lower Upper
204 100
206 35.4 26.2 39.2
141 62.1 48.6 72.8



#62
4-Nitroaniline
Concen: 2.431 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:138 Resp: 51492
Ion Ratio Lower Upper
138 100
92 54.7 32.7 72.7
108 76.4 60.0 100.0





#63

Azobenzene

Concen: 3.375 ng

RT: 15.909 min Scan# 2180

Delta R.T. -0.000 min

Lab File: BM044004.D

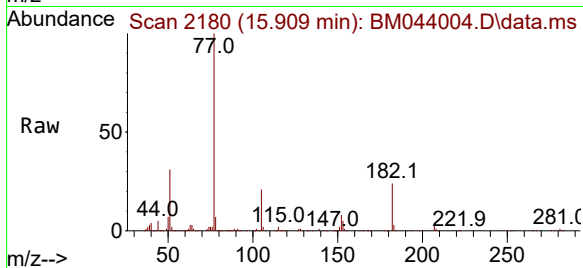
Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 77 Resp: 264872

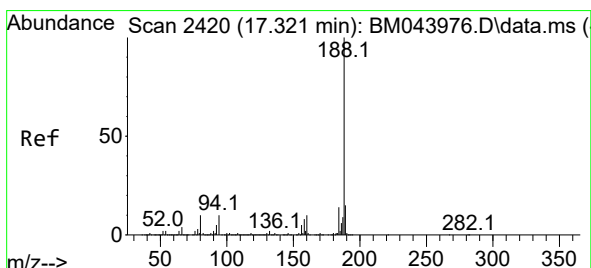
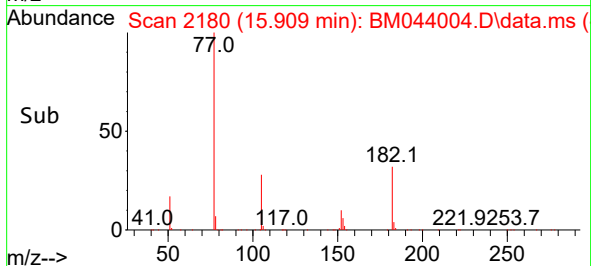
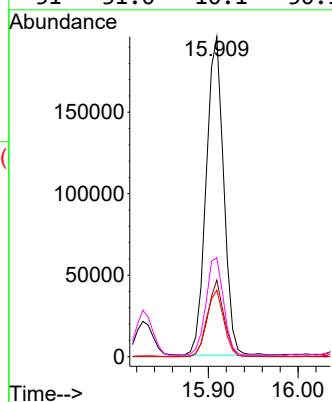
Ion Ratio Lower Upper

77 100

182 23.9 2.0 42.0

105 20.8 0.5 40.5

51 31.0 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: BM044004.D

Acq: 06 Feb 2024 23:43

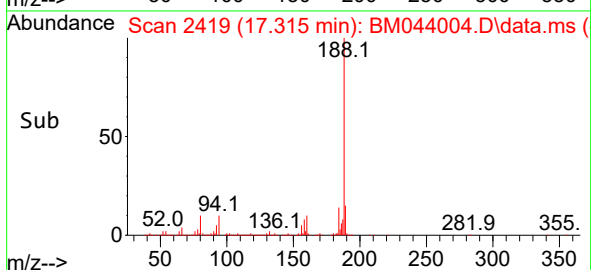
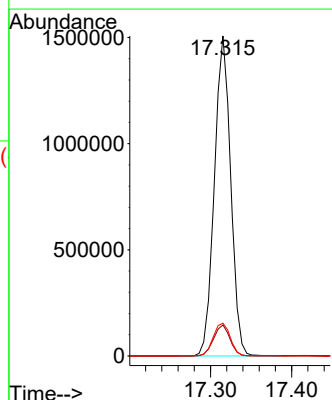
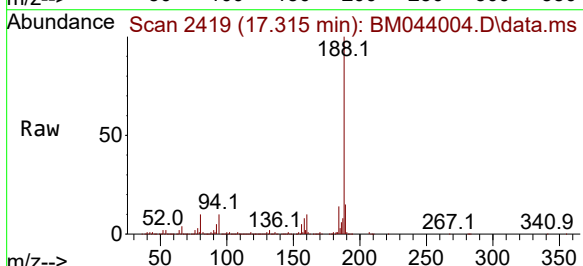
Tgt Ion: 188 Resp: 2102603

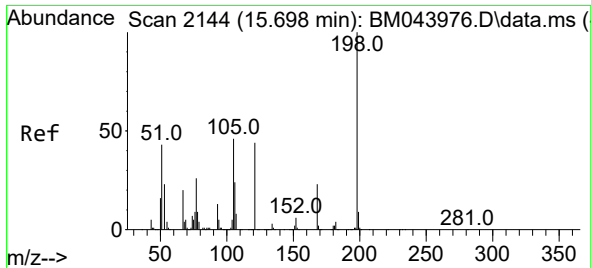
Ion Ratio Lower Upper

188 100

94 9.7 7.7 11.5

80 10.3 8.2 12.4

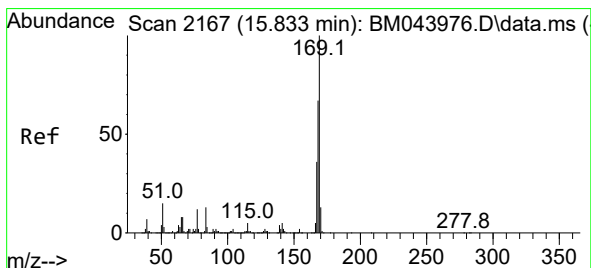
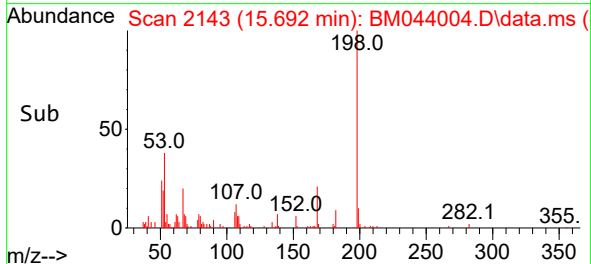
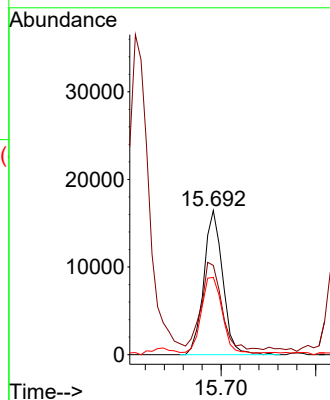
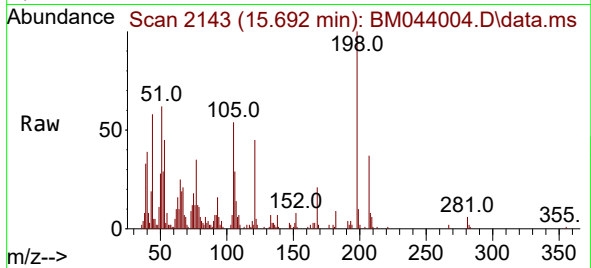




#65
4,6-Dinitro-2-methylphenol
Concen: 7.732 ng
RT: 15.692 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

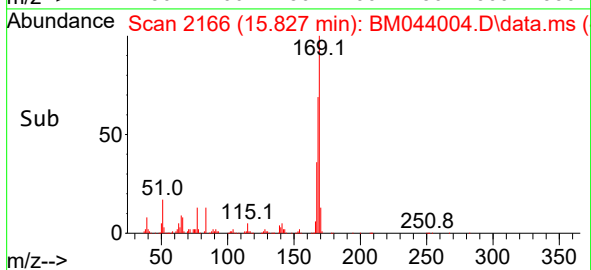
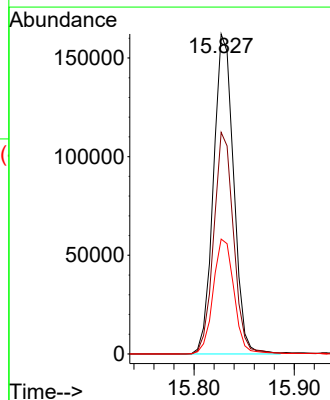
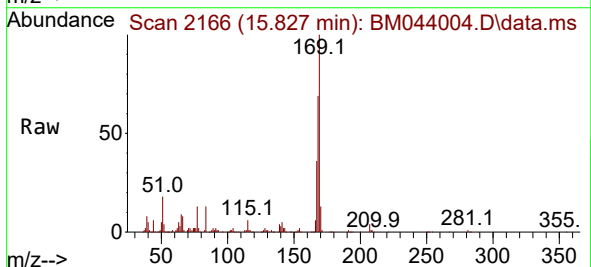
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

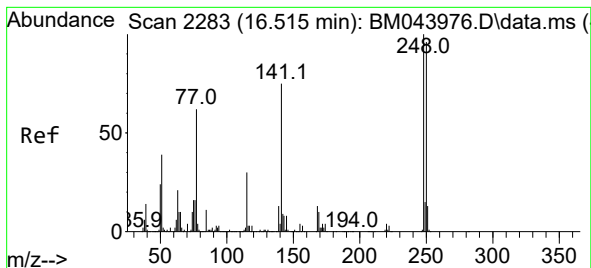
Tgt Ion:198 Resp: 22844
Ion Ratio Lower Upper
198 100
51 61.9 31.9 71.9
105 53.6 28.1 68.1



#66
n-Nitrosodiphenylamine
Concen: 3.617 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:169 Resp: 226512
Ion Ratio Lower Upper
169 100
168 69.2 53.4 80.2
167 35.9 29.0 43.4





#67

4-Bromophenyl-phenylether

Concen: 3.208 ng

RT: 16.509 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

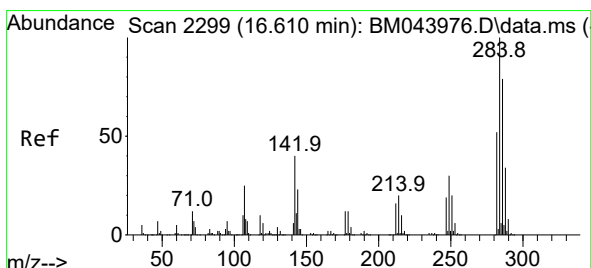
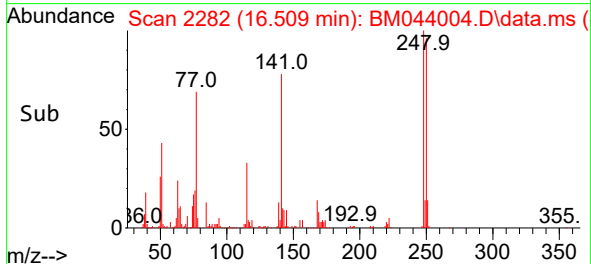
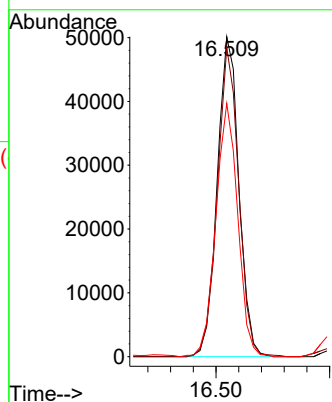
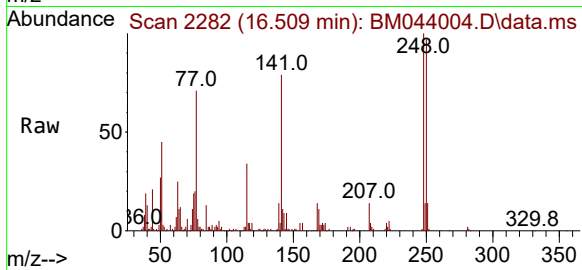
Tgt Ion:248 Resp: 66453

Ion Ratio Lower Upper

248 100

250 96.6 77.0 115.4

141 79.1 59.9 89.9



#68

Hexachlorobenzene

Concen: 3.583 ng

RT: 16.604 min Scan# 2298

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

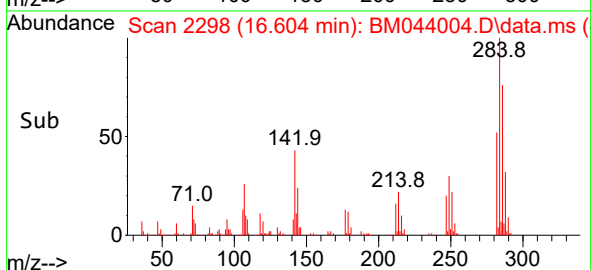
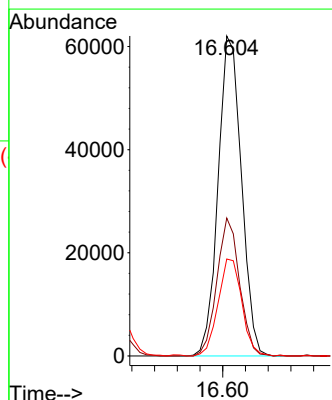
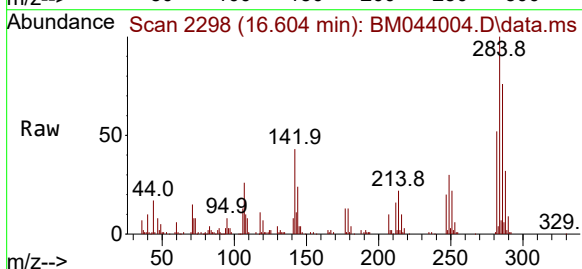
Tgt Ion:284 Resp: 88476

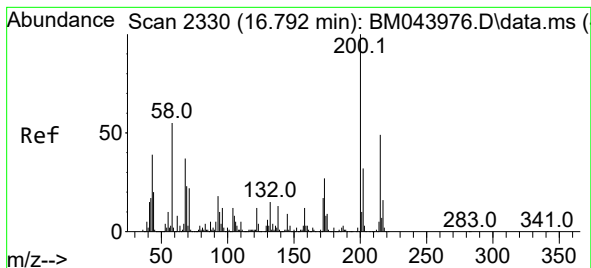
Ion Ratio Lower Upper

284 100

142 43.1 32.2 48.4

249 30.3 24.4 36.6





#69

Atrazine

Concen: 4.060 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

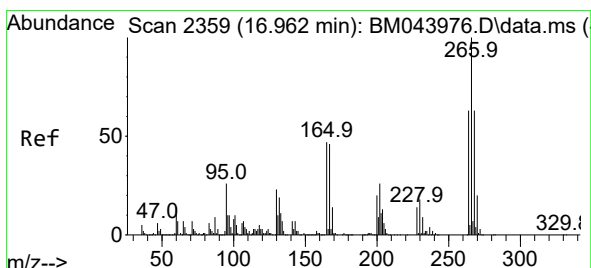
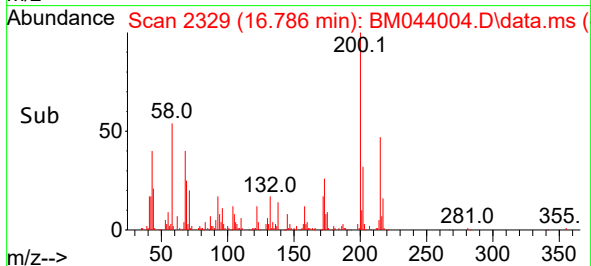
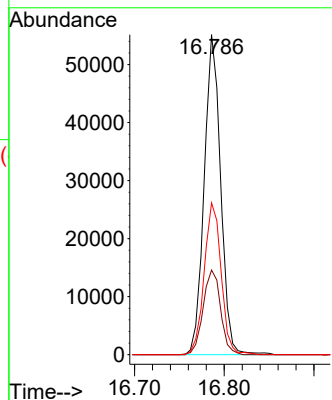
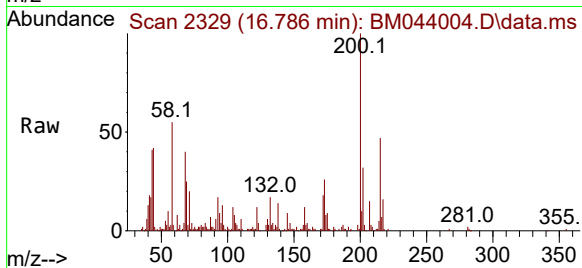
Tgt Ion:200 Resp: 70350

Ion Ratio Lower Upper

200 100

173 26.5 7.3 47.3

215 47.4 28.7 68.7



#70

Pentachlorophenol

Concen: 2.289 ng

RT: 16.956 min Scan# 2358

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

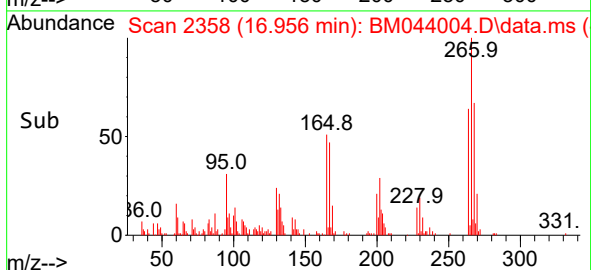
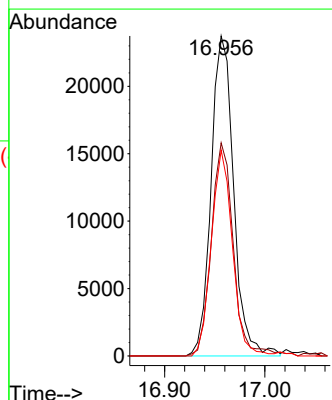
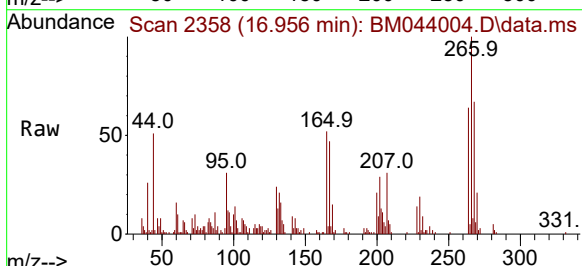
Tgt Ion:266 Resp: 37123

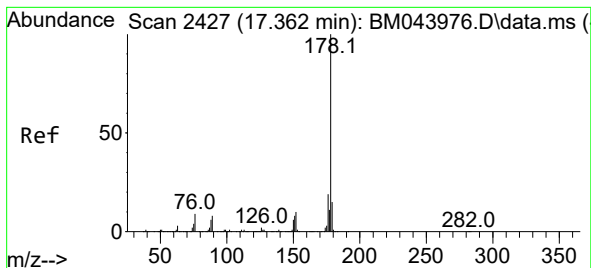
Ion Ratio Lower Upper

266 100

268 66.6 50.6 76.0

264 64.3 50.6 76.0





#71

Phenanthrene

Concen: 3.750 ng

RT: 17.356 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

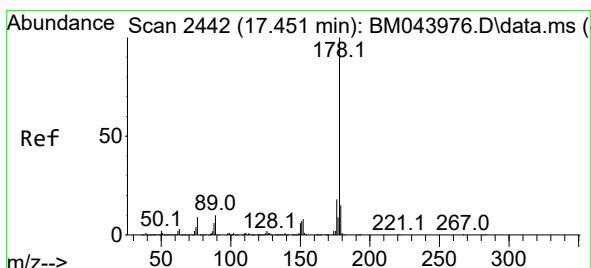
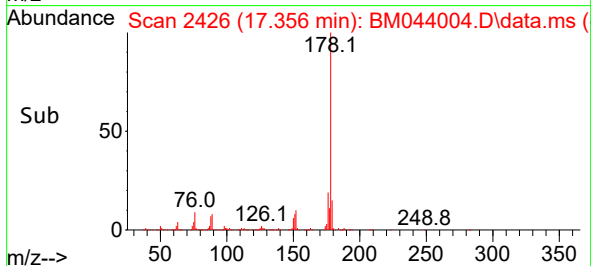
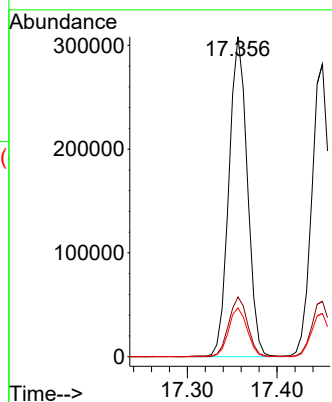
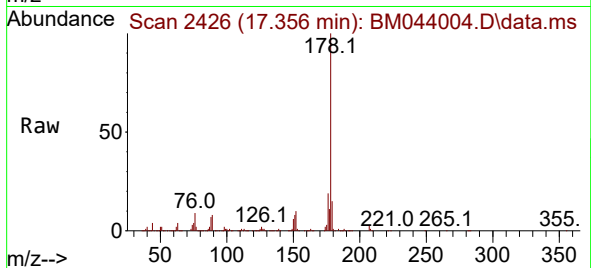
Tgt Ion:178 Resp: 439215

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.2 12.4 18.6



#72

Anthracene

Concen: 3.557 ng

RT: 17.451 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

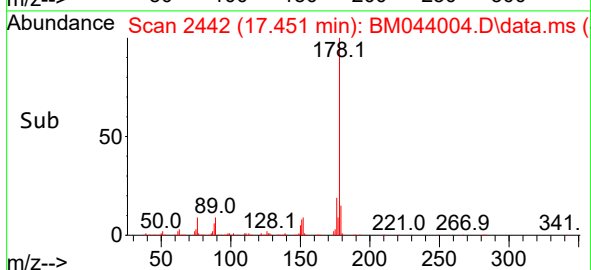
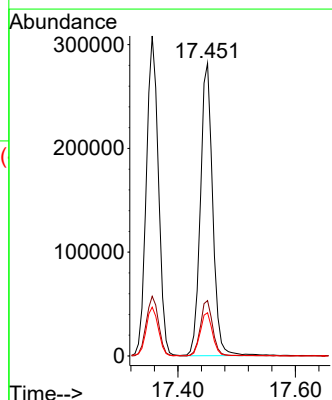
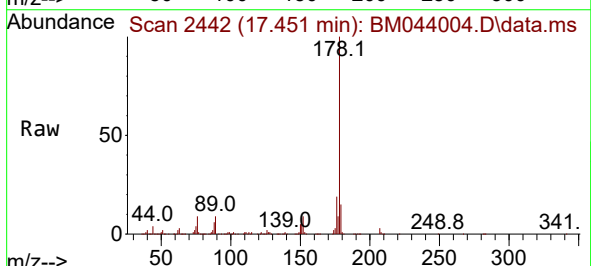
Tgt Ion:178 Resp: 407782

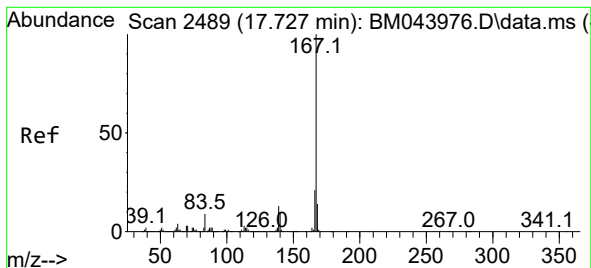
Ion Ratio Lower Upper

178 100

176 18.9 14.6 22.0

179 14.8 12.2 18.4





#73

Carbazole

Concen: 3.257 ng

RT: 17.727 min Scan# 2489

Delta R.T. -0.000 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

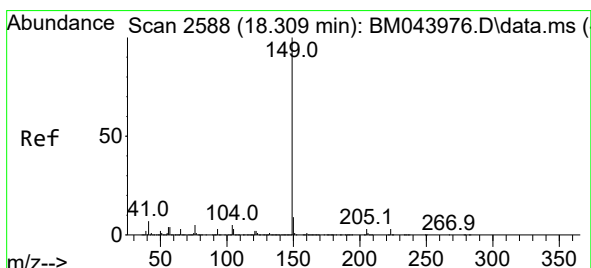
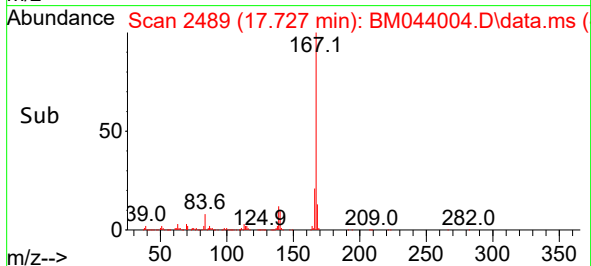
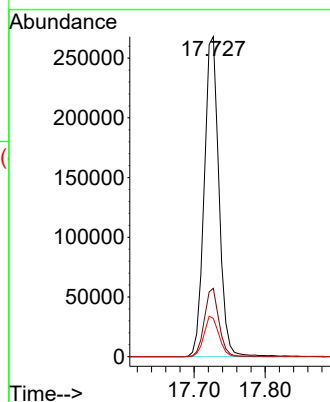
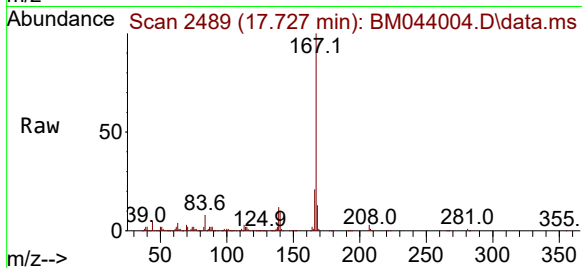
Tgt Ion:167 Resp: 386721

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

139 12.0 10.6 15.8



#74

Di-n-butylphthalate

Concen: 3.183 ng

RT: 18.303 min Scan# 2587

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

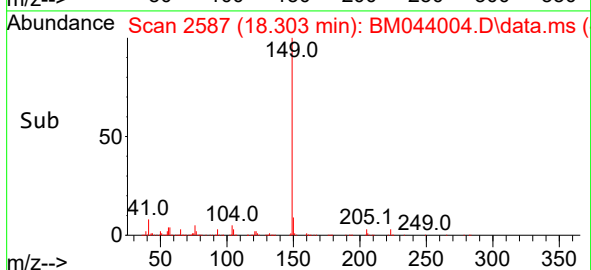
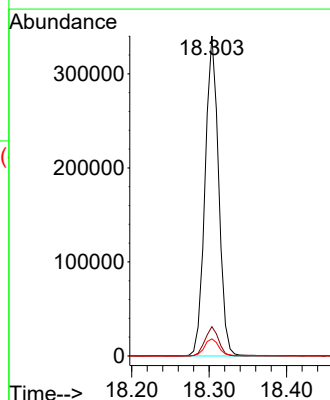
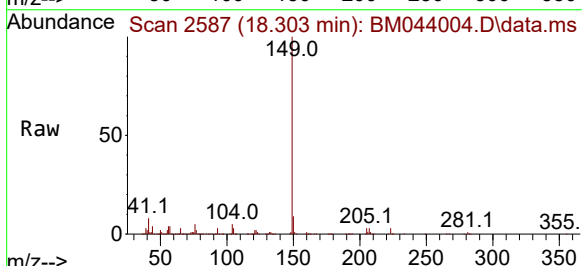
Tgt Ion:149 Resp: 414545

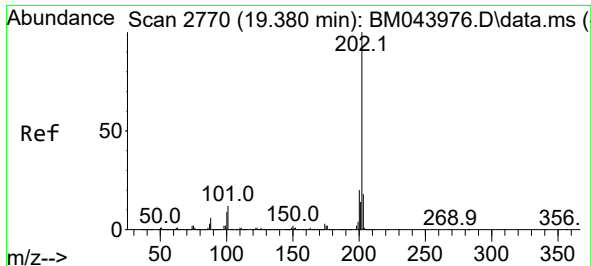
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.4 4.1 6.1

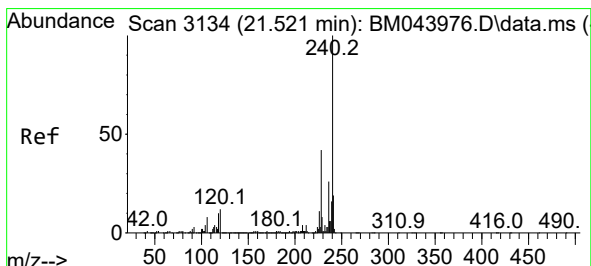
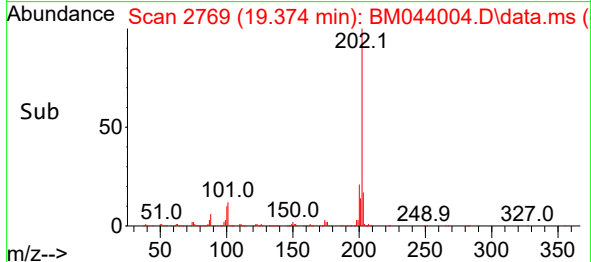
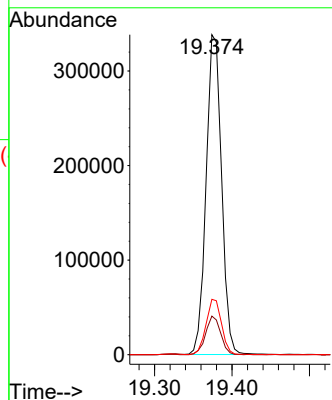
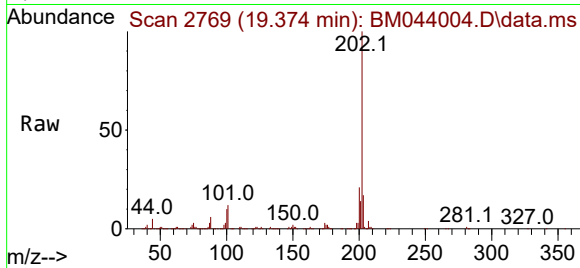




#75
Fluoranthene
Concen: 3.232 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

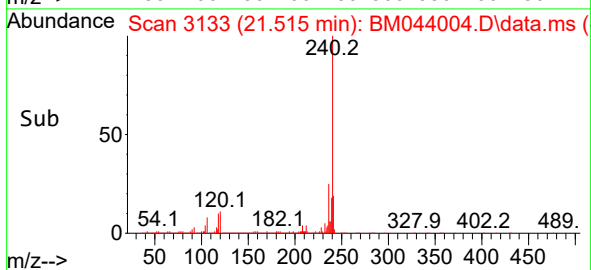
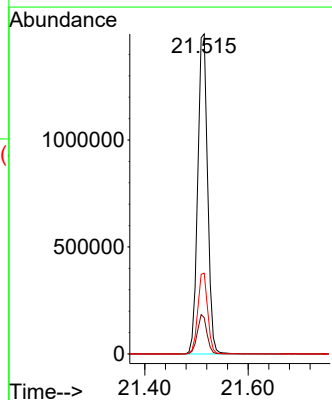
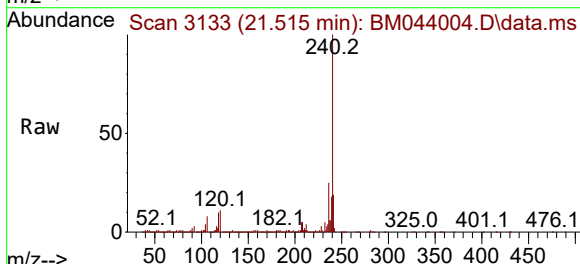
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

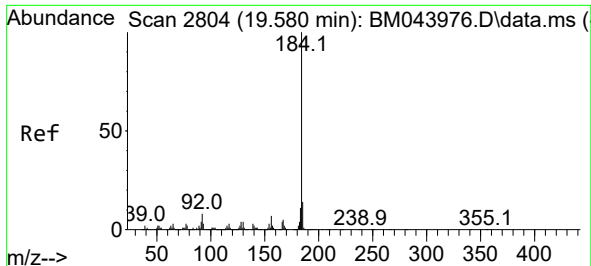
Tgt Ion:202 Resp: 468047
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.9
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:240 Resp: 1977277
Ion Ratio Lower Upper
240 100
120 11.4 9.3 13.9
236 25.3 20.5 30.7

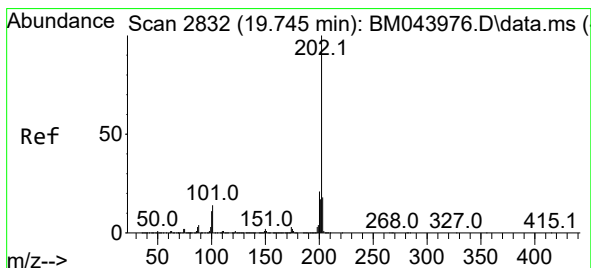
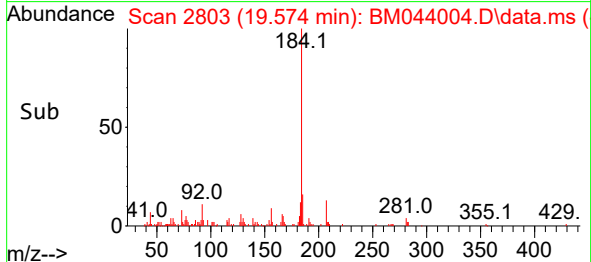
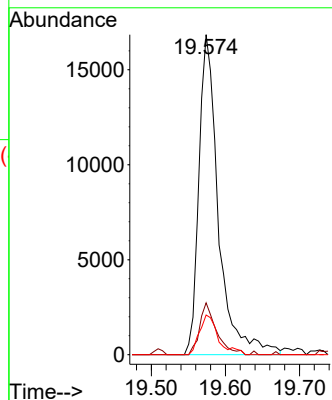
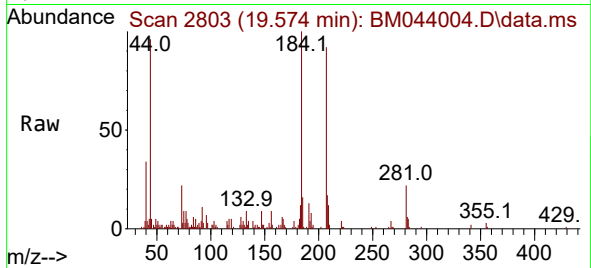




#77
Benzidine
Concen: 1.230 ng
RT: 19.574 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

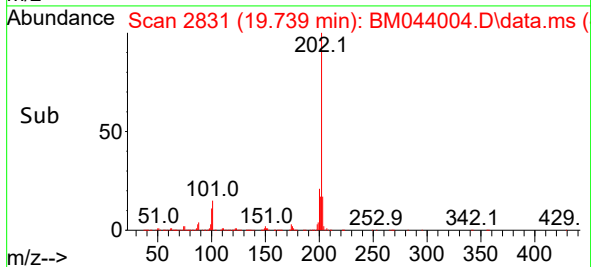
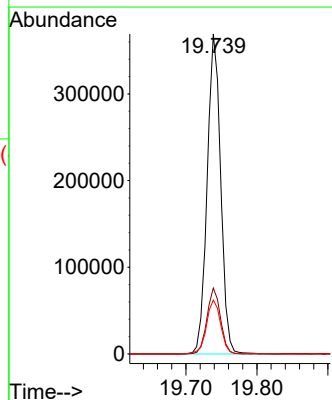
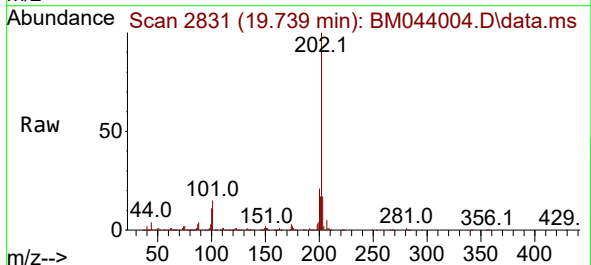
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

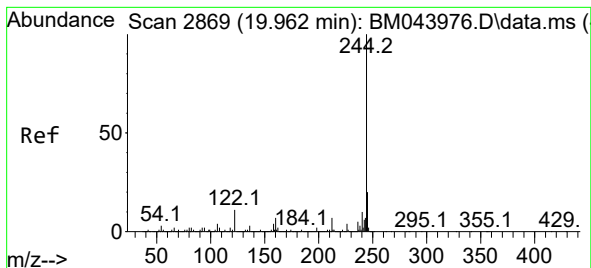
Tgt Ion:184 Resp: 30864
Ion Ratio Lower Upper
184 100
185 16.2 11.5 17.3
183 12.4 8.9 13.3



#78
Pyrene
Concen: 3.601 ng
RT: 19.739 min Scan# 2831
Delta R.T. -0.006 min
Lab File: BM044004.D
Acq: 06 Feb 2024 23:43

Tgt Ion:202 Resp: 489486
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 16.9 14.2 21.4





#79

Terphenyl-d14

Concen: 94.330 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

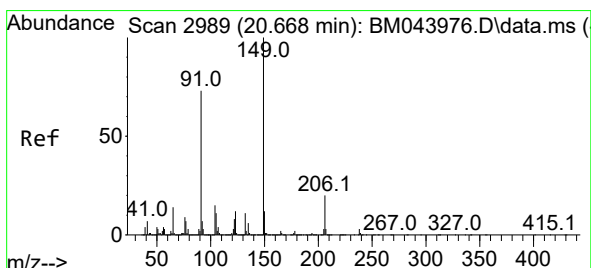
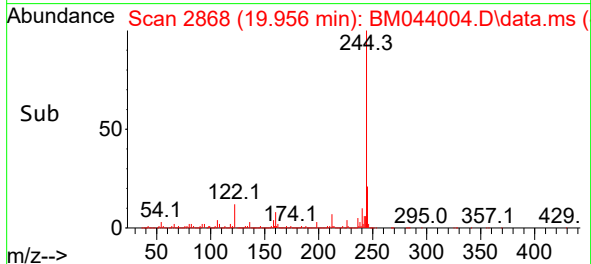
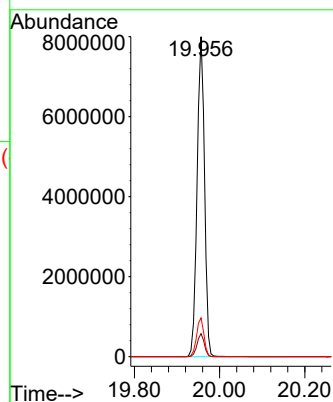
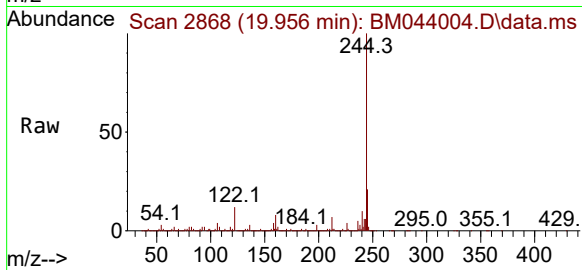
Tgt Ion:244 Resp: 9661975

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 12.1 8.7 13.1



#80

Butylbenzylphthalate

Concen: 3.075 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

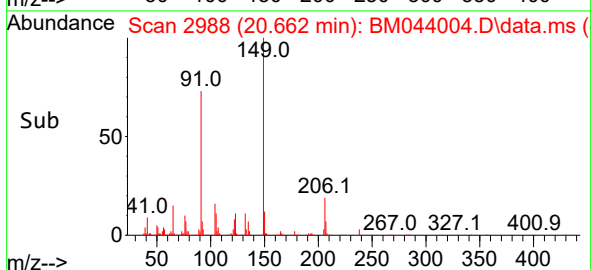
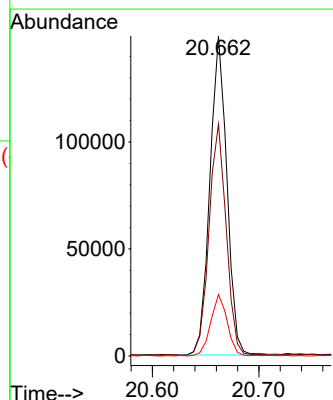
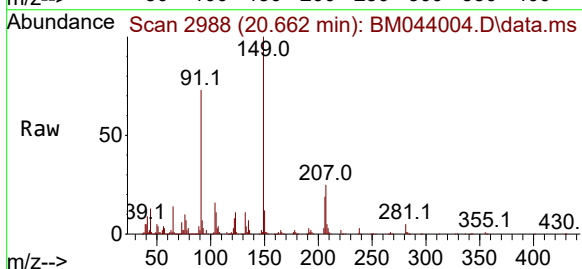
Tgt Ion:149 Resp: 165475

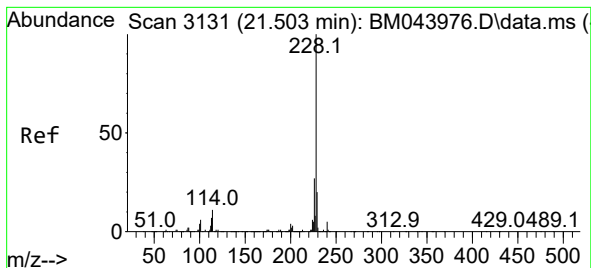
Ion Ratio Lower Upper

149 100

91 72.5 58.4 87.6

206 19.2 15.8 23.6





#81

Benzo(a)anthracene

Concen: 3.694 ng

RT: 21.497 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

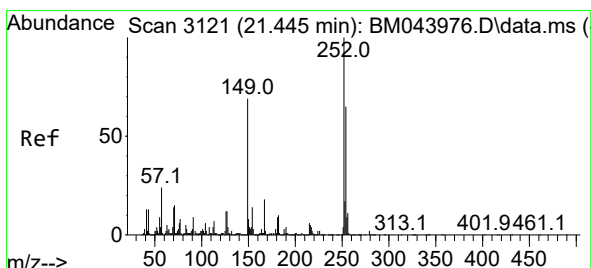
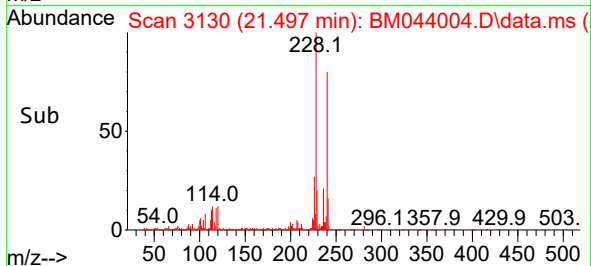
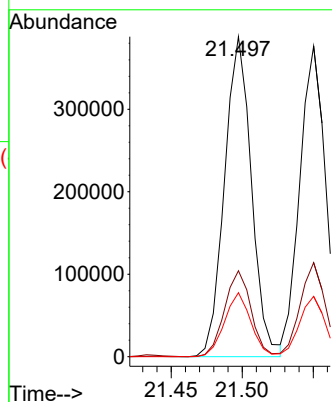
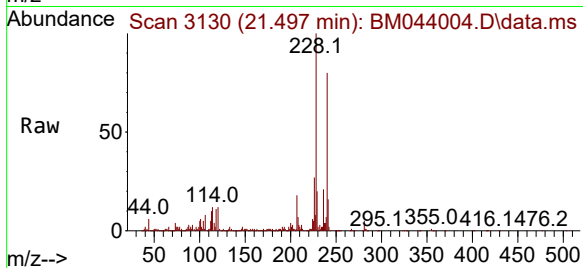
Tgt Ion:228 Resp: 512380

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.8

229 20.0 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 3.204 ng

RT: 21.438 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

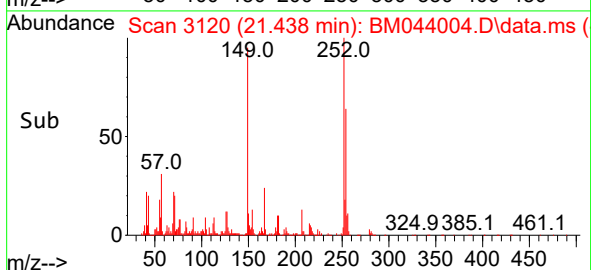
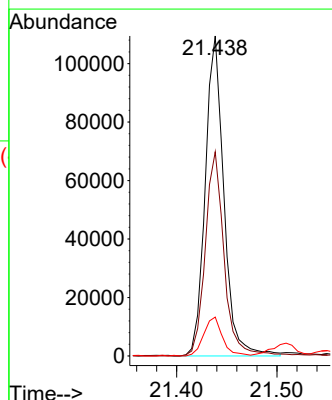
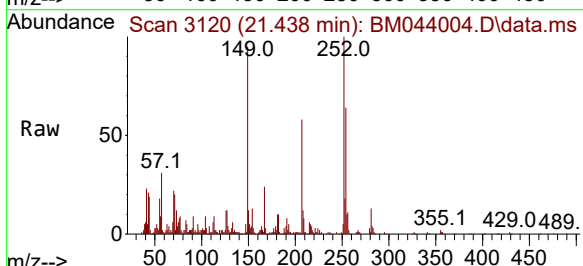
Tgt Ion:252 Resp: 142122

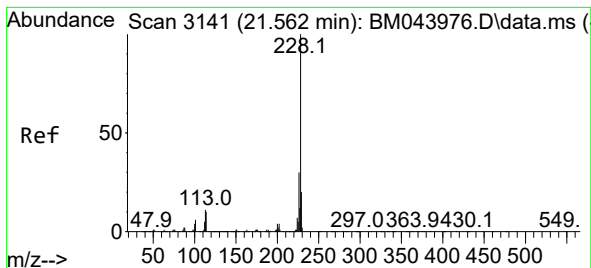
Ion Ratio Lower Upper

252 100

254 63.8 51.6 77.4

126 12.2 9.4 14.2





#83

Chrysene

Concen: 3.605 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

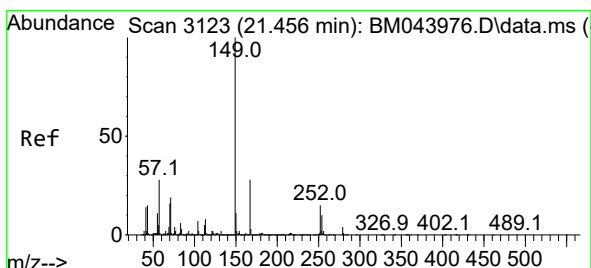
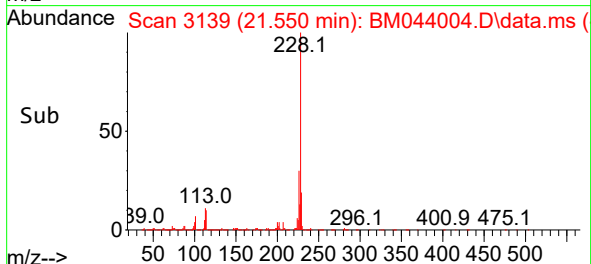
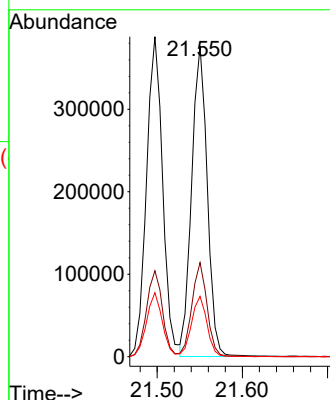
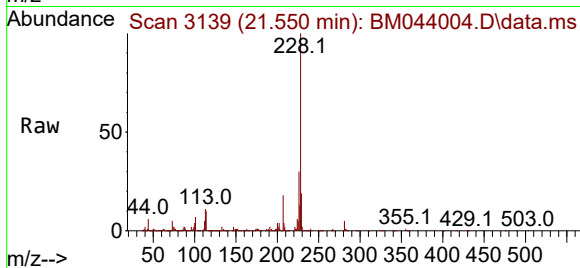
Tgt Ion:228 Resp: 479110

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.521 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

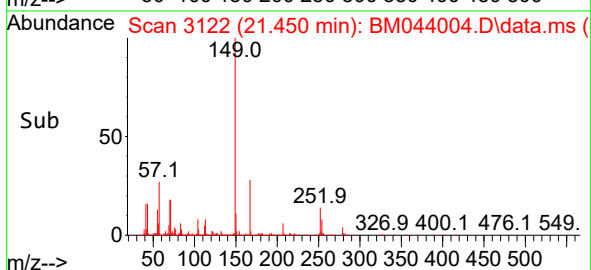
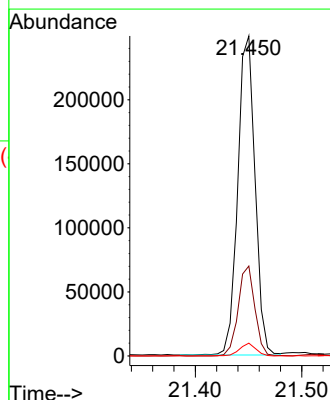
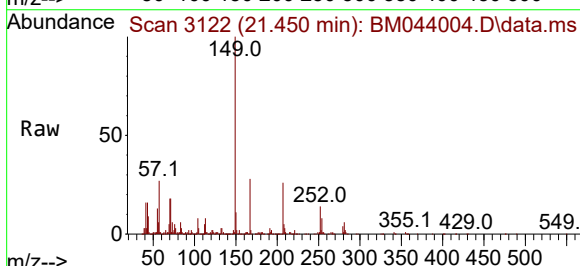
Tgt Ion:149 Resp: 281848

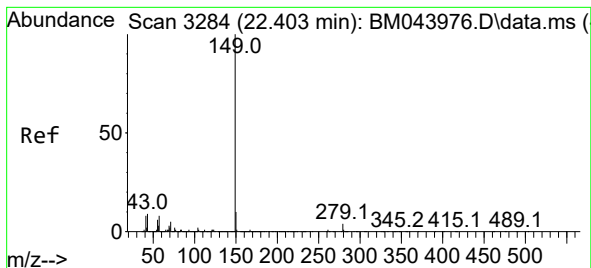
Ion Ratio Lower Upper

149 100

167 28.1 22.0 33.0

279 4.0 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 2.969 ng

RT: 22.391 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

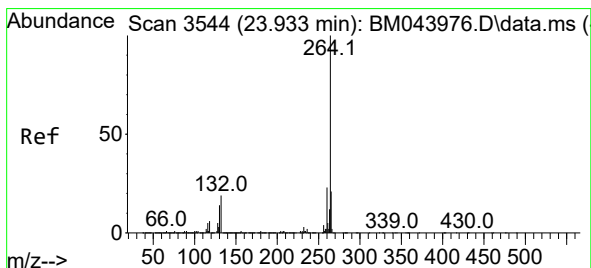
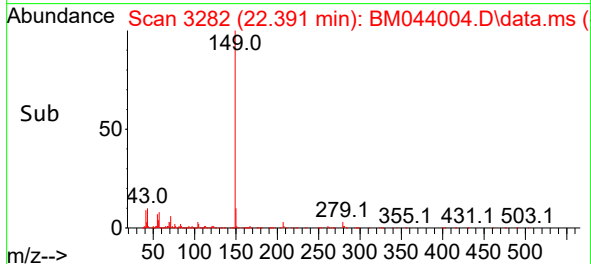
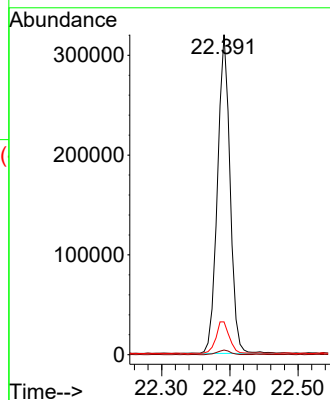
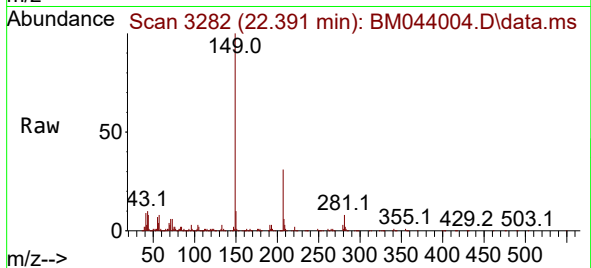
Tgt Ion:149 Resp: 409402

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: BM044004.D

Acq: 06 Feb 2024 23:43

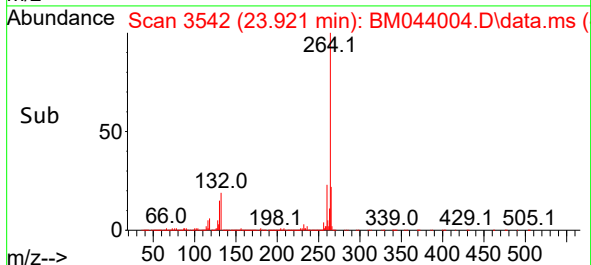
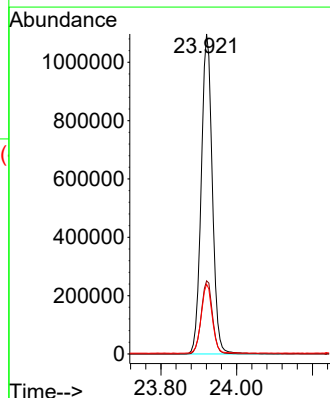
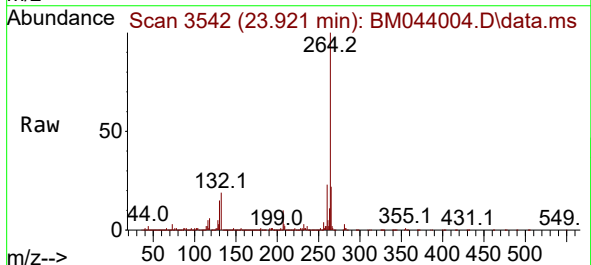
Tgt Ion:264 Resp: 2228351

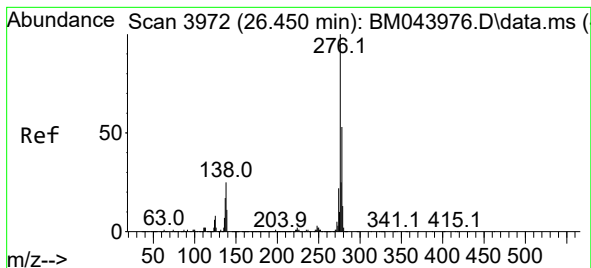
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.333 ng

RT: 26.415 min Scan# 3966

Delta R.T. -0.035 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

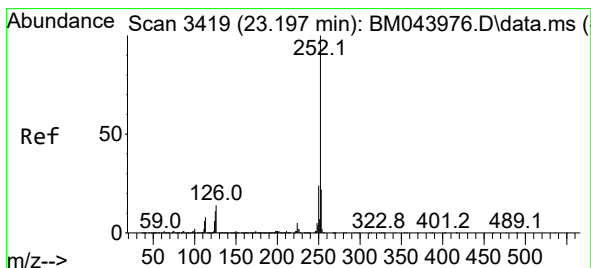
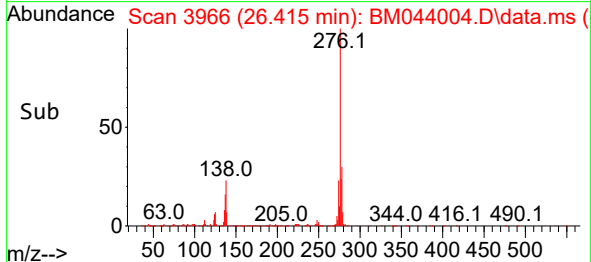
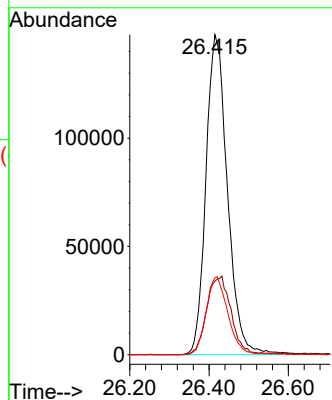
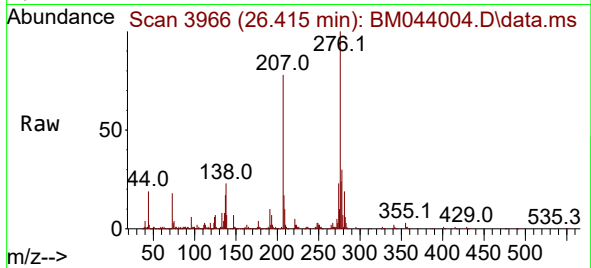
Tgt Ion:276 Resp: 555732

Ion Ratio Lower Upper

276 100

138 27.9 21.8 32.6

277 24.7 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 3.485 ng

RT: 23.185 min Scan# 3417

Delta R.T. -0.012 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

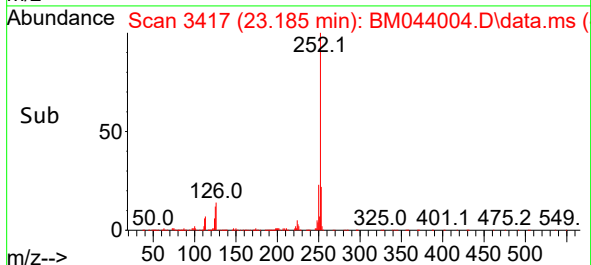
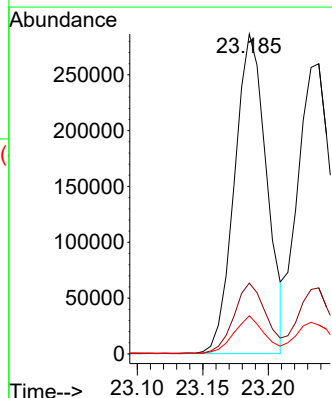
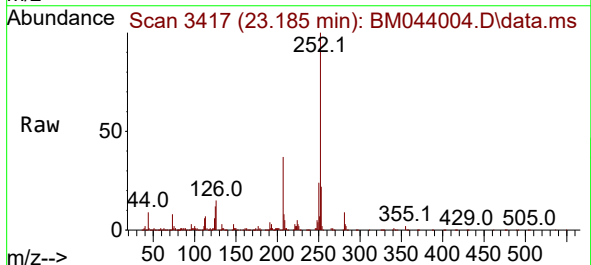
Tgt Ion:252 Resp: 488525

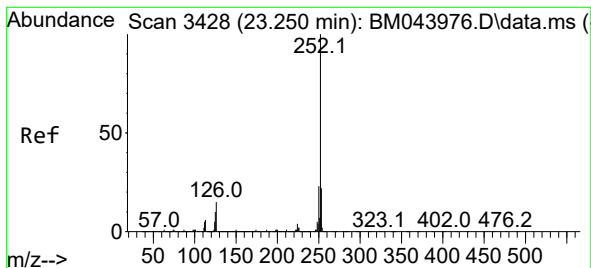
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 12.0 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 3.583 ng

RT: 23.238 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

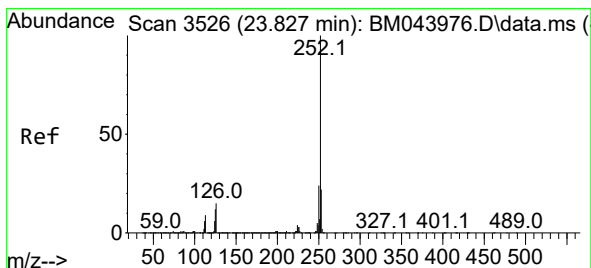
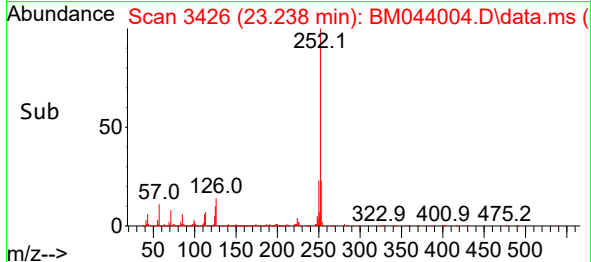
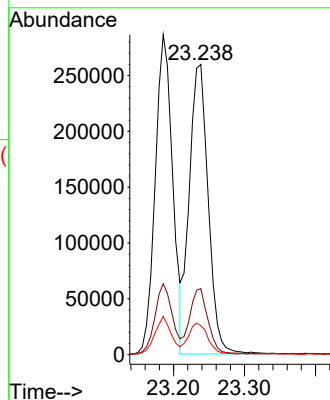
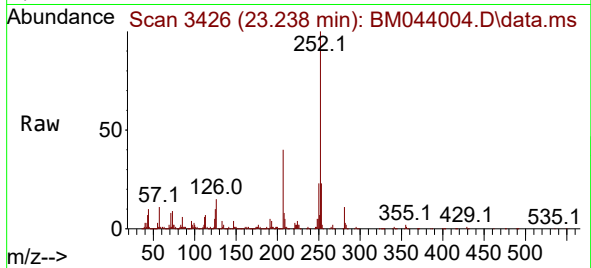
Tgt Ion:252 Resp: 481833

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 10.0 8.3 12.5



#90

Benzo(a)pyrene

Concen: 3.318 ng

RT: 23.815 min Scan# 3524

Delta R.T. -0.012 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

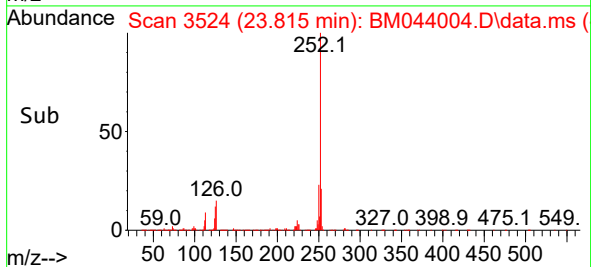
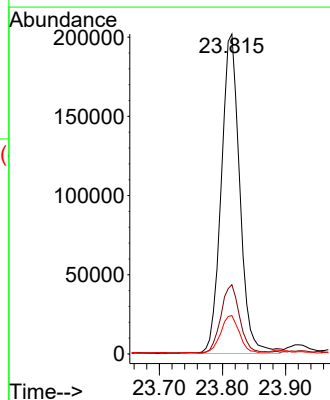
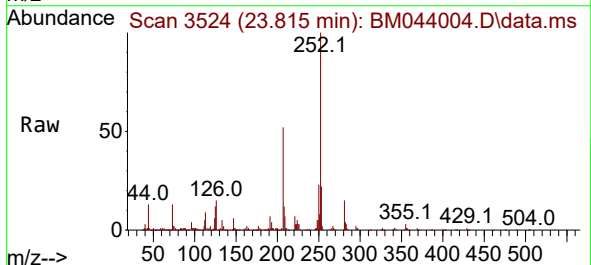
Tgt Ion:252 Resp: 411034

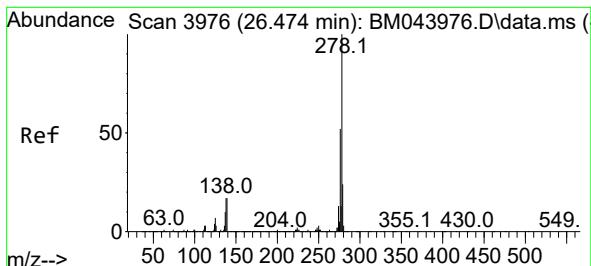
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 12.0 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 3.369 ng

RT: 26.444 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

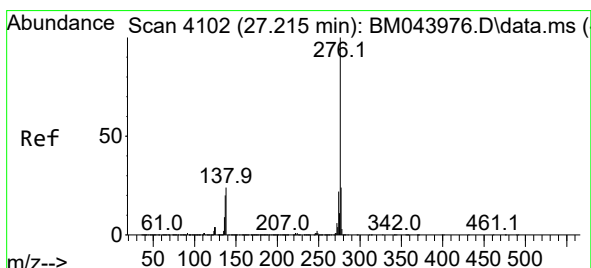
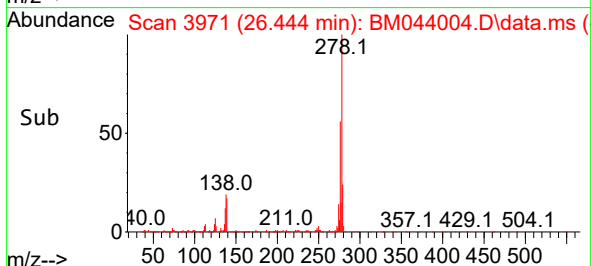
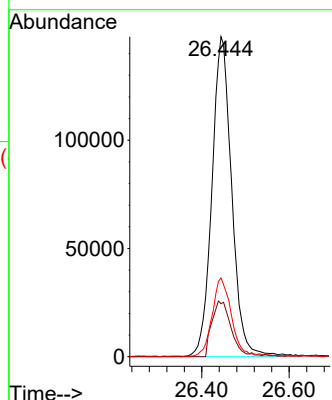
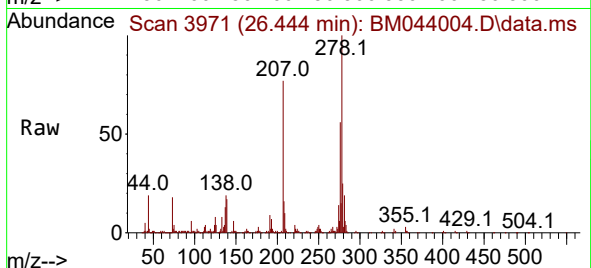
Tgt Ion:278 Resp: 463219

Ion Ratio Lower Upper

278 100

139 16.6 13.7 20.5

279 24.6 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.181 ng

RT: 27.179 min Scan# 4096

Delta R.T. -0.035 min

Lab File: BM044004.D

Acq: 06 Feb 2024 23:43

Tgt Ion:276 Resp: 446235

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 24.5 18.8 28.2

