

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
 Data File : BM044037.D
 Acq On : 09 Feb 2024 13:41
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 09 14:09:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	465263	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2012692	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1174068	20.000	ng	0.00
64) Phenanthrene-d10	17.303	188	2282572	20.000	ng	0.00
76) Chrysene-d12	21.497	240	1843344	20.000	ng	0.00
86) Perylene-d12	23.897	264	2046571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	4085747	127.722	ng	0.00
7) Phenol-d6	7.081	99	5222604	128.315	ng	0.00
23) Nitrobenzene-d5	9.080	82	3033455	79.976	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1668939	131.289	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	6441135	77.427	ng	0.00
79) Terphenyl-d14	19.944	244	7930389	75.419	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	52219	4.113	ng	99
3) Pyridine	3.793	79	117922	3.518	ng	96
4) n-Nitrosodimethylamine	3.710	42	44802	3.523	ng	# 97
6) Aniline	7.239	93	185485	4.635	ng	97
8) 2-Chlorophenol	7.469	128	124202	3.718	ng	99
9) Benzaldehyde	7.057	77	119195m	5.699	ng	
10) Phenol	7.104	94	163774	3.987	ng	98
11) bis(2-Chloroethyl)ether	7.345	93	132782	3.903	ng	97
12) 1,3-Dichlorobenzene	7.792	146	145774	3.843	ng	99
13) 1,4-Dichlorobenzene	7.945	146	147460	3.857	ng	99
14) 1,2-Dichlorobenzene	8.257	146	141516	3.885	ng	99
15) Benzyl Alcohol	8.151	79	105476	3.980	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.451	45	175300	4.065	ng	97
17) 2-Methylphenol	8.351	107	100345	3.721	ng	96
18) Hexachloroethane	8.980	117	53522	3.739	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	100516	4.022	ng	97
20) 3+4-Methylphenols	8.681	107	133964	3.610	ng	99
22) Acetophenone	8.739	105	205621	4.025	ng	# 98
24) Nitrobenzene	9.122	77	152230	3.919	ng	98
25) Isophorone	9.645	82	269328	3.688	ng	100
26) 2-Nitrophenol	9.827	139	56212	3.121	ng	96
27) 2,4-Dimethylphenol	9.886	122	93831	4.075	ng	99
28) bis(2-Chloroethoxy)met...	10.133	93	181877	3.851	ng	98
29) 2,4-Dichlorophenol	10.357	162	104418	3.444	ng	97
30) 1,2,4-Trichlorobenzene	10.574	180	125956	3.695	ng	99
31) Naphthalene	10.763	128	420759	3.788	ng	99
33) 4-Chloroaniline	10.880	127	164006	3.899	ng	99
34) Hexachlorobutadiene	11.033	225	70584	3.617	ng	98
35) Caprolactam	11.651	113	29571	3.031	ng	95
36) 4-Chloro-3-methylphenol	11.998	107	110662	3.371	ng	98
37) 2-Methylnaphthalene	12.374	142	275344	3.721	ng	97
38) 1-Methylnaphthalene	12.592	142	270770	3.724	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	133047	3.899	ng	98
41) Hexachlorocyclopentadiene	12.710	237	56561	3.798	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	74292	3.199	ng	96
44) 2,4,5-Trichlorophenol	13.051	196	81313	3.190	ng	96

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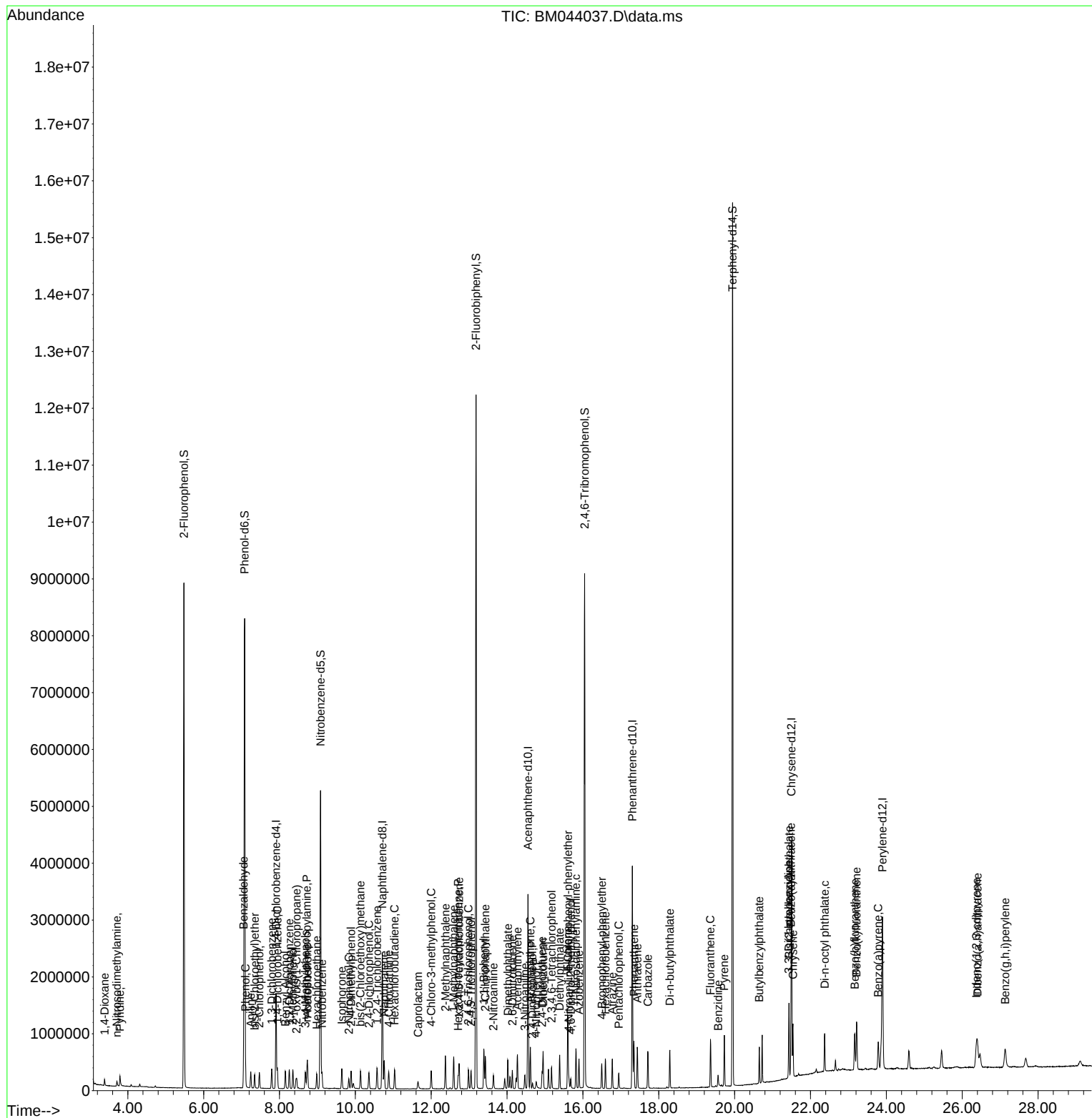
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.386	154	368474	3.977	ng	99
47) 2-Chloronaphthalene	13.427	162	277256	3.778	ng	99
48) 2-Nitroaniline	13.639	65	64678	3.133	ng	93
49) Acenaphthylene	14.274	152	437384	3.995	ng	99
50) Dimethylphthalate	14.021	163	329346	3.783	ng	99
51) 2,6-Dinitrotoluene	14.139	165	62227	3.240	ng	91
52) Acenaphthene	14.615	154	256920	3.792	ng	99
53) 3-Nitroaniline	14.468	138	63027	3.054	ng	88
54) 2,4-Dinitrophenol	14.668	184	18958	7.117	ng	97
55) Dibenzofuran	14.951	168	422770	4.031	ng	98
56) 4-Nitrophenol	14.768	139	44580	2.657	ng	90
57) 2,4-Dinitrotoluene	14.921	165	73616	2.933	ng	91
58) Fluorene	15.598	166	323836	3.996	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	72999	3.650	ng	97
60) Diethylphthalate	15.386	149	322999	3.590	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	158680	4.041	ng	99
62) 4-Nitroaniline	15.627	138	58018	2.792	ng	96
63) Azobenzene	15.898	77	303027	3.590	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	29857	2.195	ng	89
66) n-Nitrosodiphenylamine	15.815	169	266556	3.844	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	77617	3.439	ng	99
68) Hexachlorobenzene	16.592	284	103833	3.756	ng	98
69) Atrazine	16.774	200	82436	4.390	ng	97
70) Pentachlorophenol	16.945	266	45915	2.553	ng	98
71) Phenanthrene	17.345	178	484847	4.022	ng	100
72) Anthracene	17.433	178	456818	3.828	ng	99
73) Carbazole	17.709	167	418047	3.602	ng	98
74) Di-n-butylphthalate	18.292	149	495592	3.285	ng	98
75) Fluoranthene	19.362	202	493723	3.646	ng	99
77) Benzidine	19.562	184	140093	4.890	ng	97
78) Pyrene	19.727	202	515956	3.634	ng	100
80) Butylbenzylphthalate	20.650	149	181295	2.873	ng	98
81) Benzo(a)anthracene	21.486	228	484974	3.782	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	155223	3.690	ng	98
83) Chrysene	21.538	228	458399	3.784	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	306639	3.293	ng	99
85) Di-n-octyl phthalate	22.374	149	443975	2.730	ng	98
87) Indeno(1,2,3-cd)pyrene	26.373	276	518534	3.580	ng	100
88) Benzo(b)fluoranthene	23.168	252	472299	3.692	ng	98
89) Benzo(k)fluoranthene	23.215	252	441737	3.634	ng	99
90) Benzo(a)pyrene	23.785	252	386138	3.456	ng	99
91) Dibenzo(a,h)anthracene	26.403	278	441775	3.646	ng	99
92) Benzo(g,h,i)perylene	27.132	276	420955	3.426	ng	100

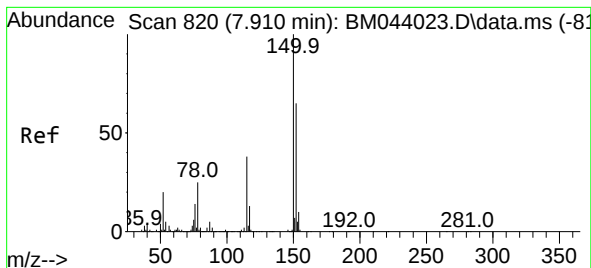
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.910 min Scan# 81

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

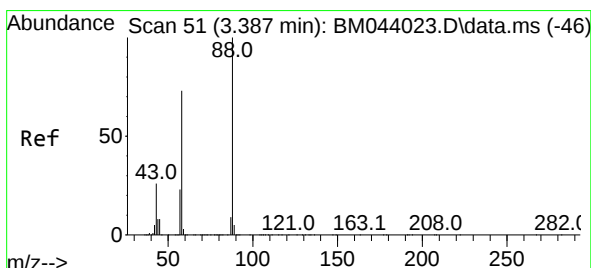
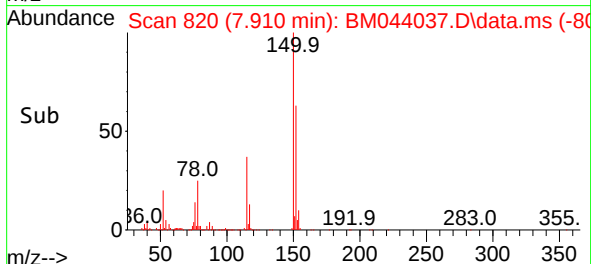
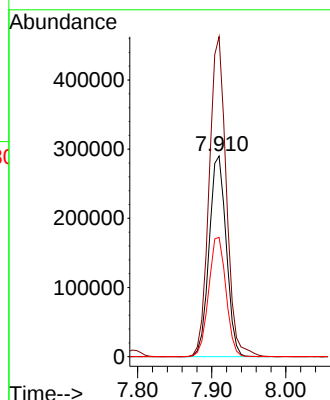
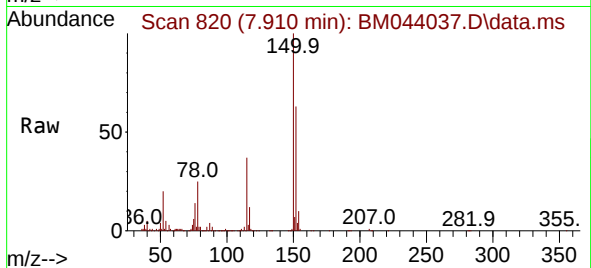
Tgt Ion:152 Resp: 465263

Ion Ratio Lower Upper

152 100

150 159.5 122.7 184.1

115 59.5 47.0 70.6



#2

1,4-Dioxane

Concen: 4.113 ng

RT: 3.387 min Scan# 51

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

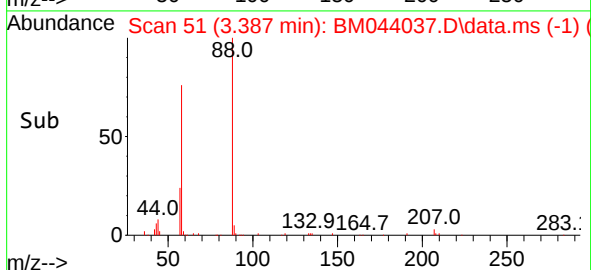
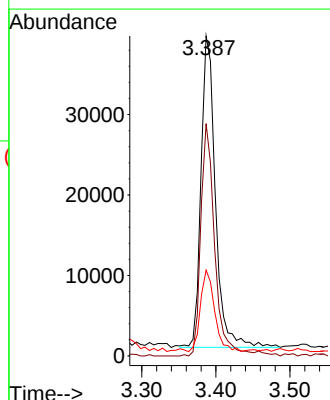
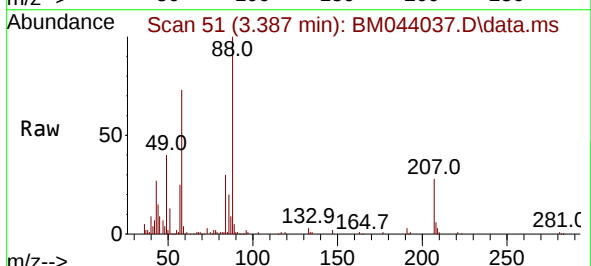
Tgt Ion: 88 Resp: 52219

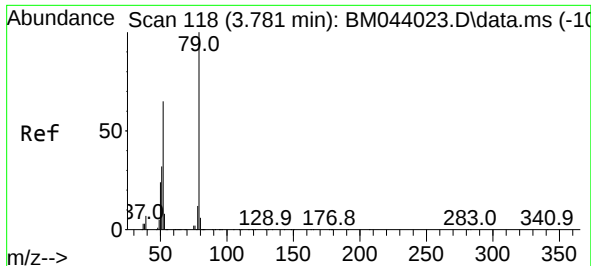
Ion Ratio Lower Upper

88 100

58 71.7 58.1 87.1

43 25.8 21.1 31.7

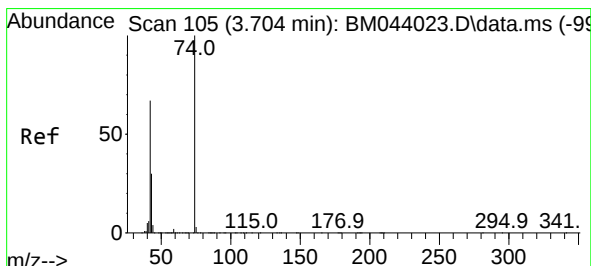
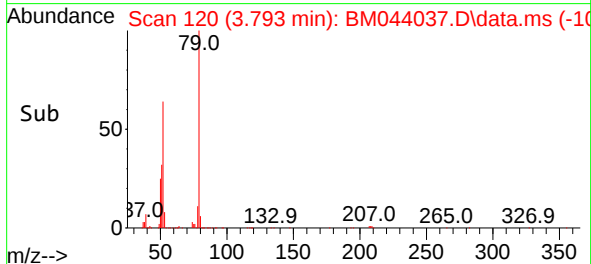
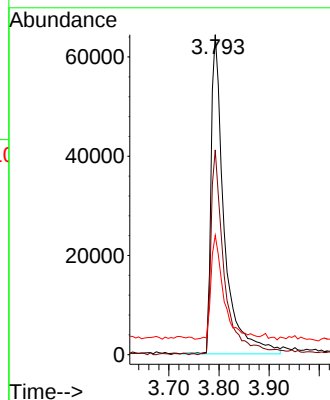
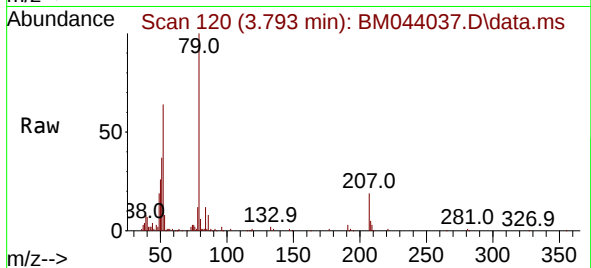




#3
Pyridine
Concen: 3.518 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

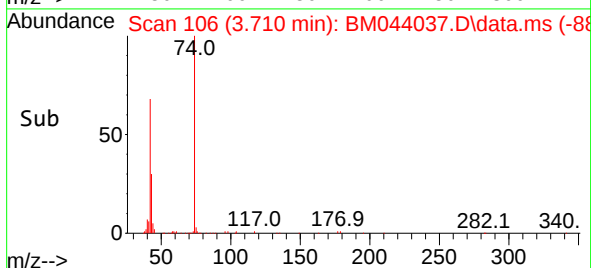
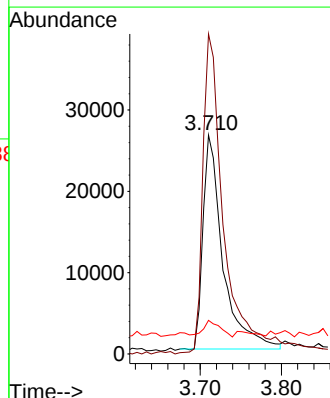
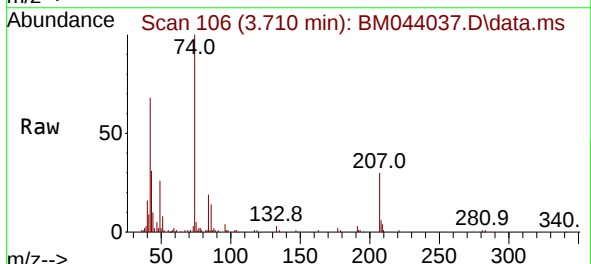
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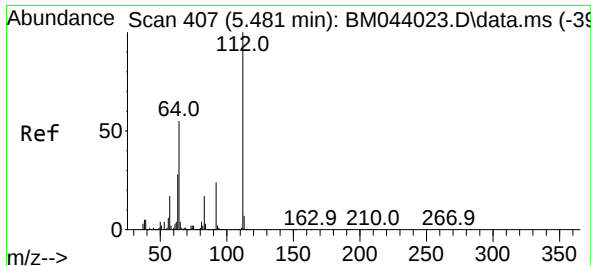
Tgt Ion: 79 Resp: 117922
Ion Ratio Lower Upper
79 100
52 64.0 52.2 78.2
51 37.3 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 3.523 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 42 Resp: 44802
Ion Ratio Lower Upper
42 100
74 146.2 118.6 178.0
44 15.3 5.6 8.4

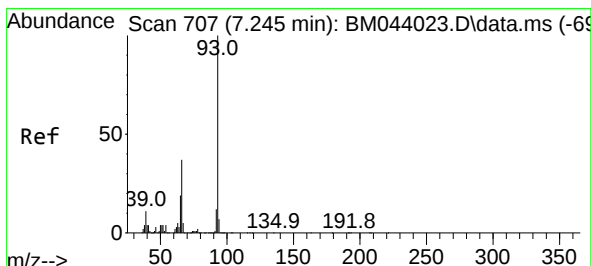
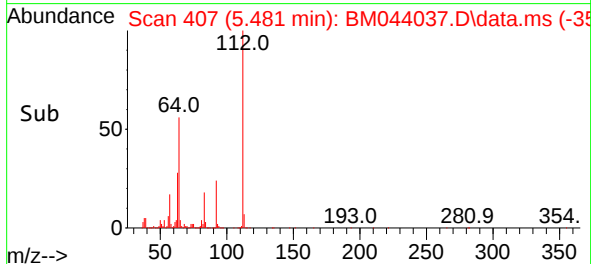
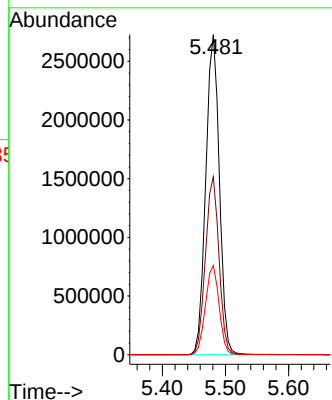
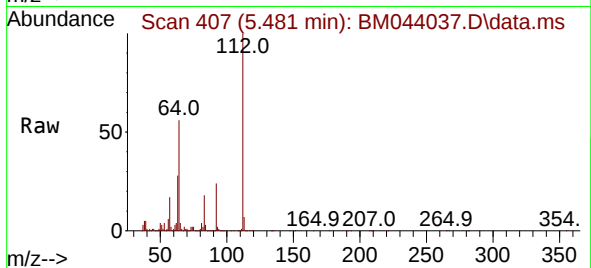




#5
2-Fluorophenol
Concen: 127.722 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

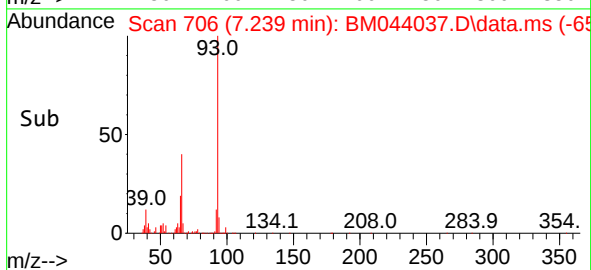
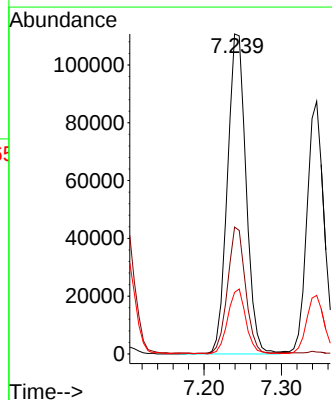
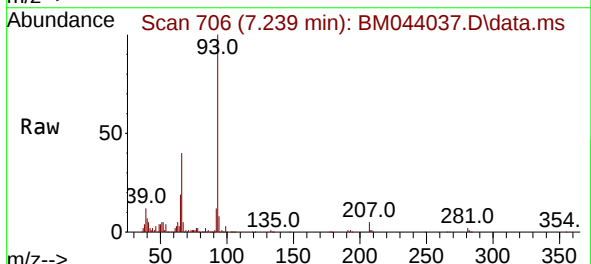
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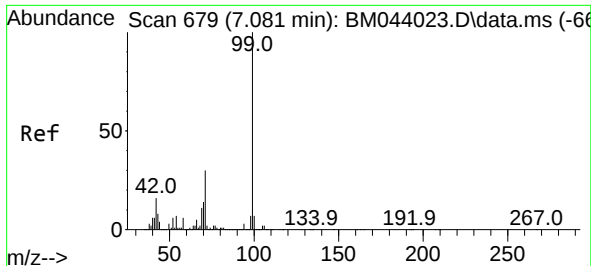
Tgt Ion:112 Resp: 4085747
Ion Ratio Lower Upper
112 100
64 55.6 44.2 66.4
63 27.9 22.6 34.0



#6
Aniline
Concen: 4.635 ng
RT: 7.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 93 Resp: 185485
Ion Ratio Lower Upper
93 100
66 39.6 29.4 44.0
65 19.3 15.2 22.8



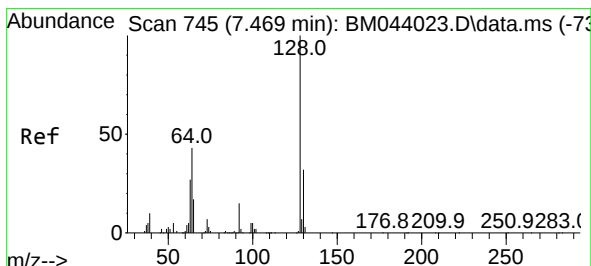
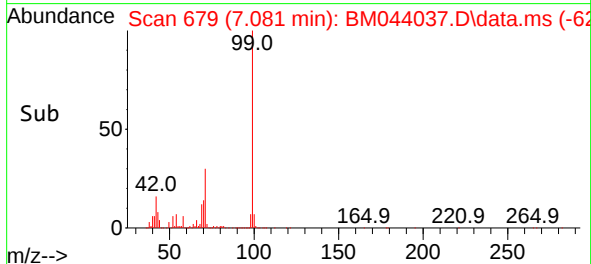
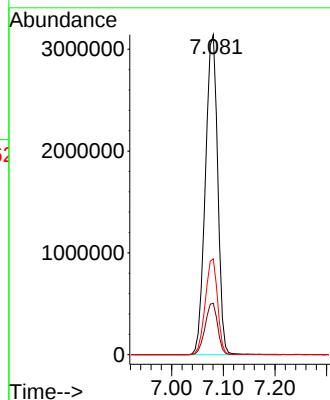
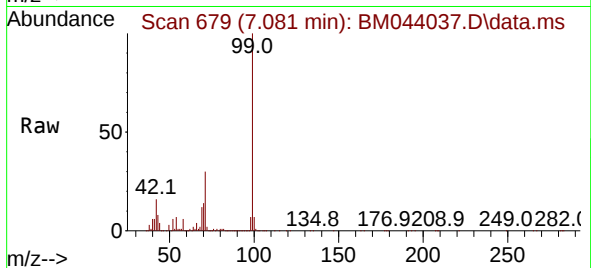


#7
Phenol-d6
Concen: 128.315 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.000 min
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Tgt Ion: 99 Resp: 5222604

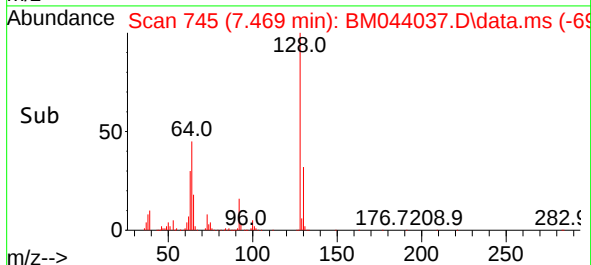
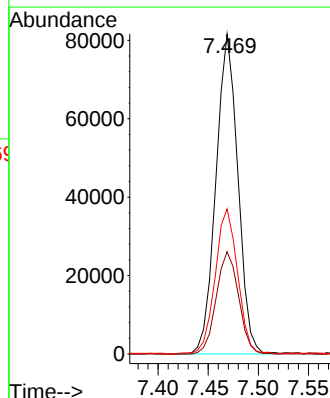
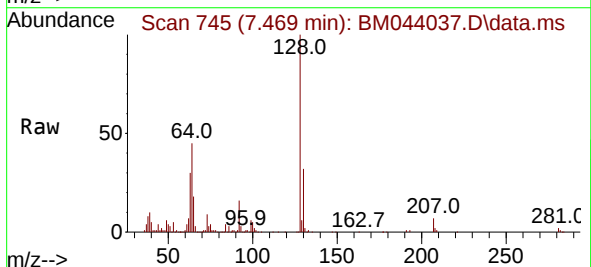
Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.9	19.3
71	30.0	23.9	35.9

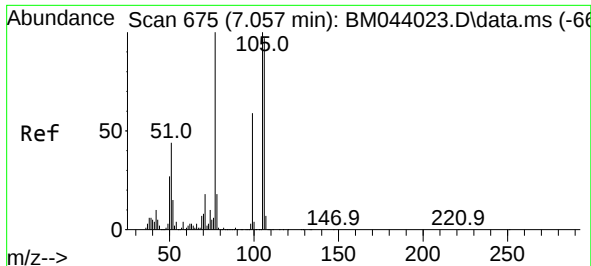


#8
2-Chlorophenol
Concen: 3.718 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 128 Resp: 124202

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.1	52.1
64	45.4	26.0	66.0

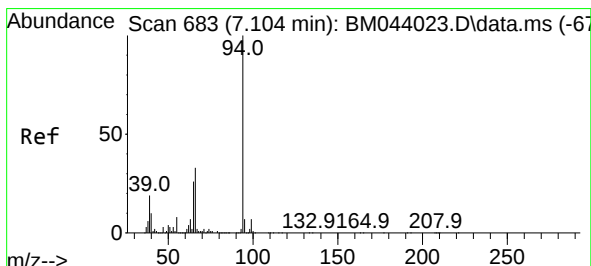
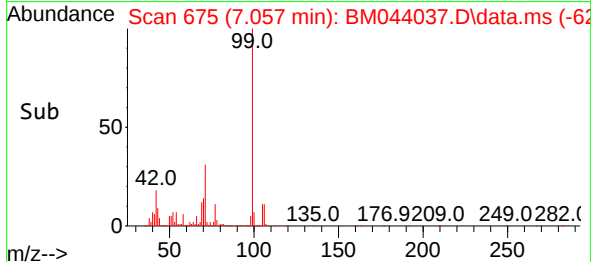
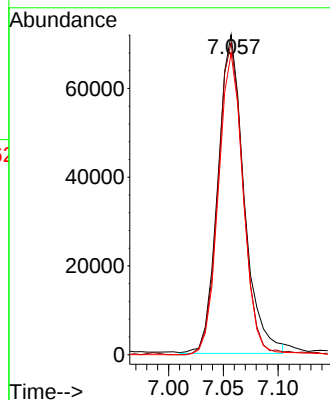
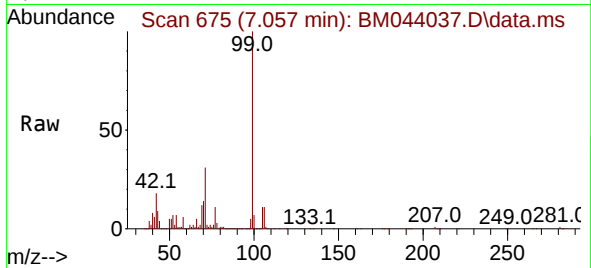




#9
Benzaldehyde
Concen: 5.699 ng m
RT: 7.057 min Scan# 61
Delta R.T. 0.000 min
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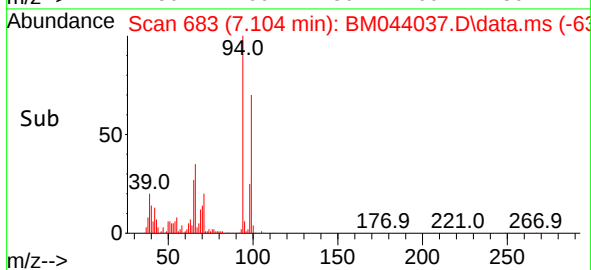
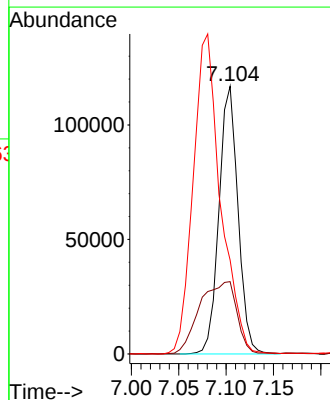
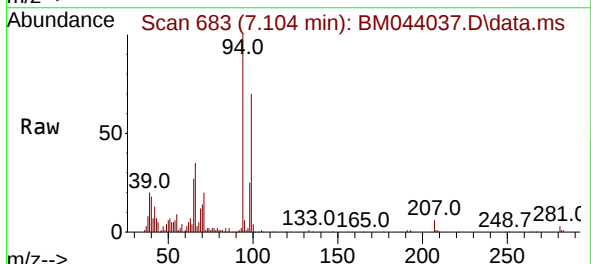
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

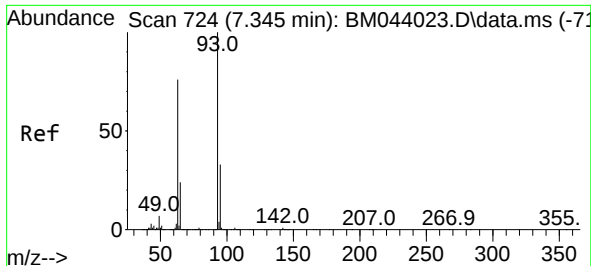
Tgt Ion: 77 Resp: 119195
Ion Ratio Lower Upper
77 100
105 97.5 80.0 120.0
106 94.2 76.8 116.8



#10
Phenol
Concen: 3.987 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 94 Resp: 163774
Ion Ratio Lower Upper
94 100
65 27.0 6.4 46.4
66 35.1 13.2 53.2

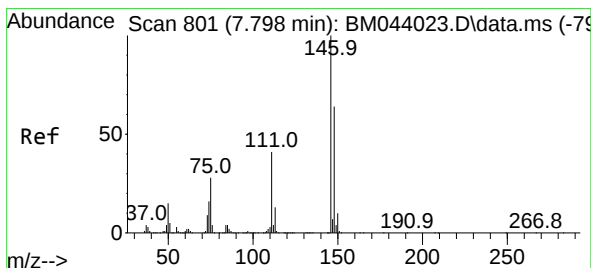
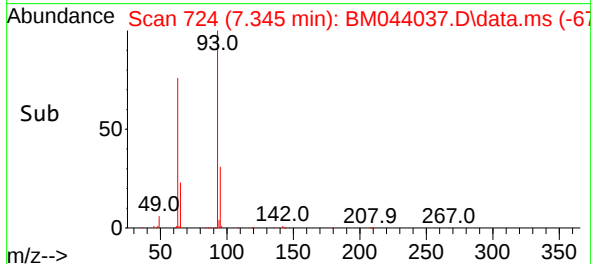
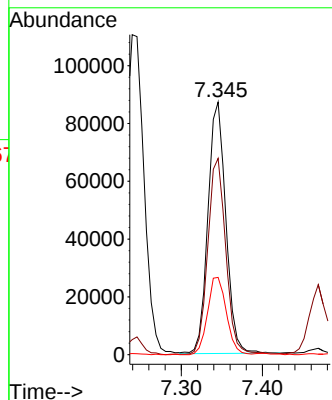
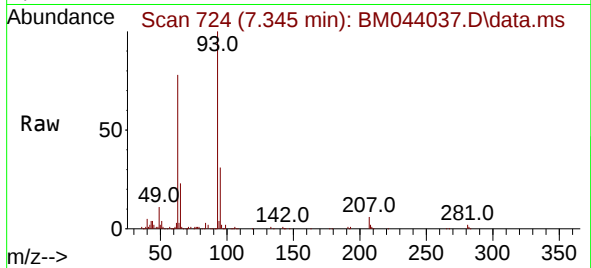




#11
bis(2-Chloroethyl)ether
Concen: 3.903 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

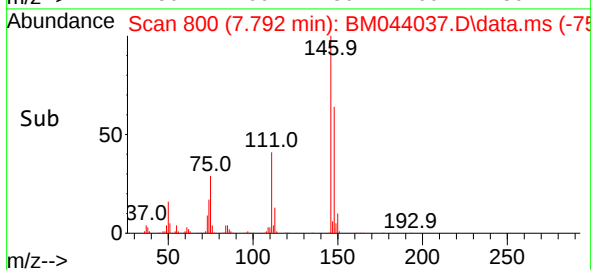
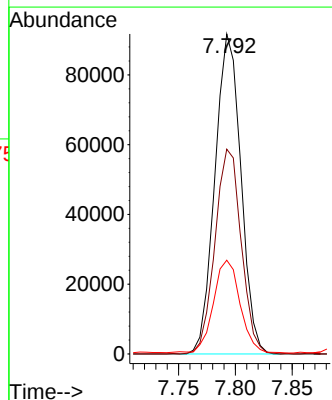
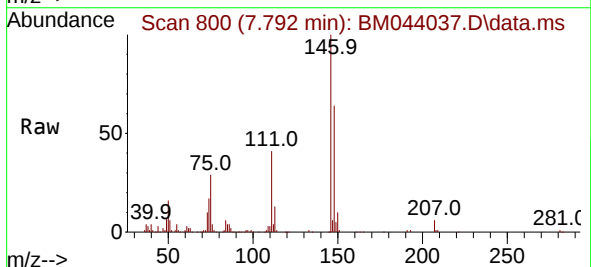
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

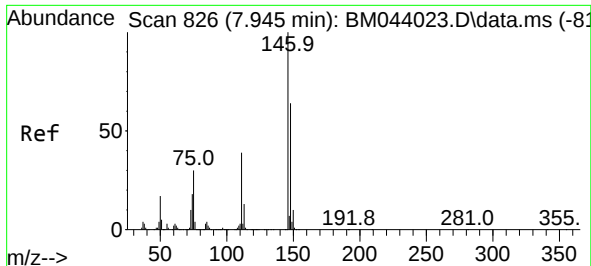
Tgt Ion: 93 Resp: 132782
Ion Ratio Lower Upper
93 100
63 77.7 55.9 95.9
95 30.6 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 3.843 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:146 Resp: 145774
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 29.3 22.7 34.1

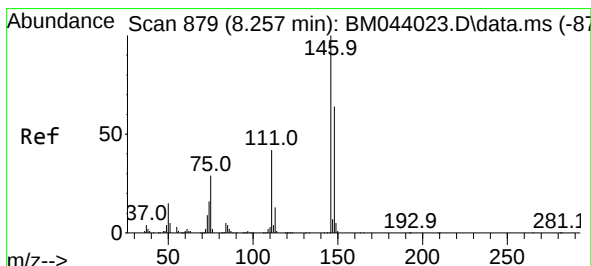
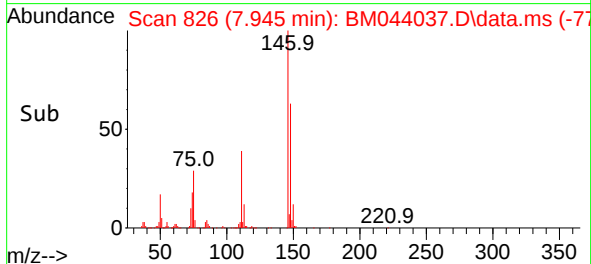
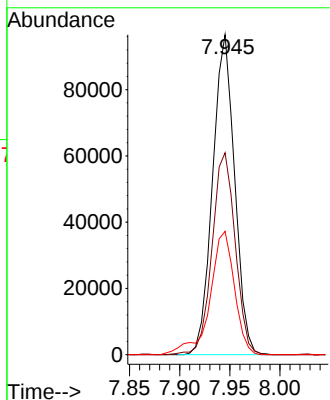
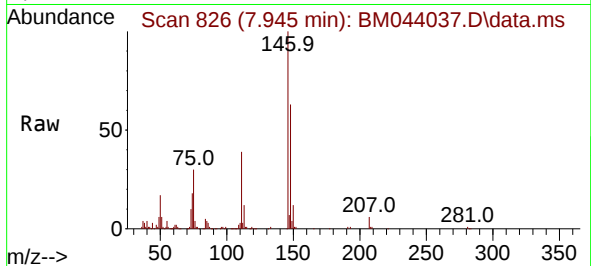




#13
1,4-Dichlorobenzene
Concen: 3.857 ng
RT: 7.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

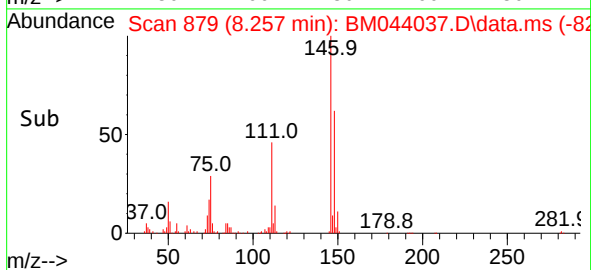
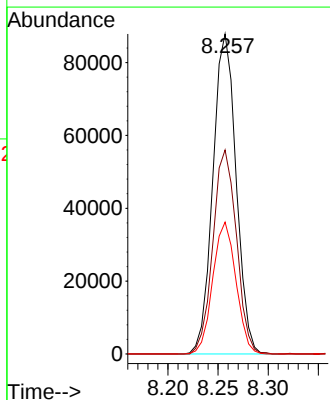
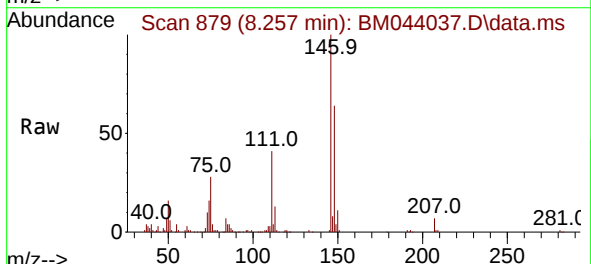
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

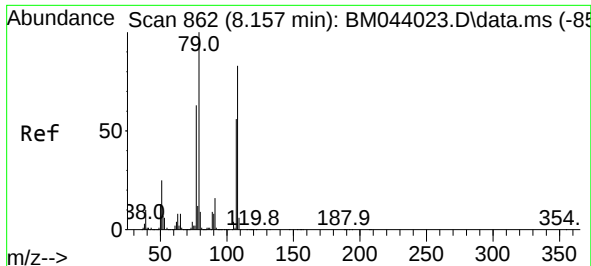
Tgt Ion:146 Resp: 147460
Ion Ratio Lower Upper
146 100
148 63.1 51.2 76.8
111 38.5 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 3.885 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:146 Resp: 141516
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
111 41.2 33.7 50.5

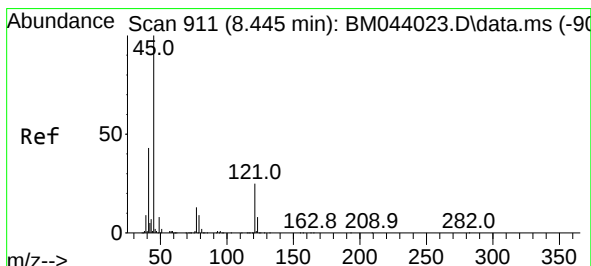
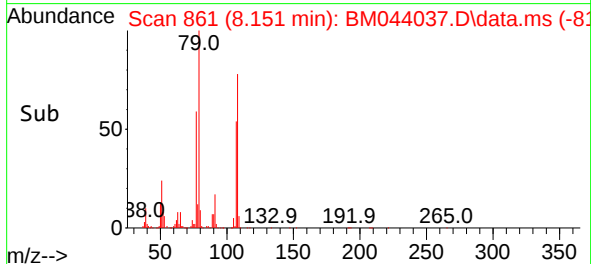
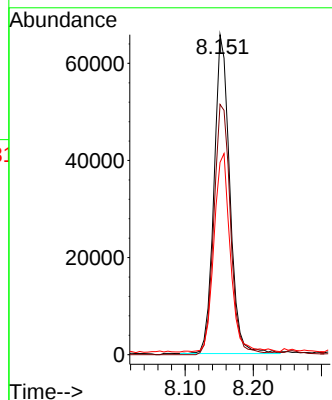
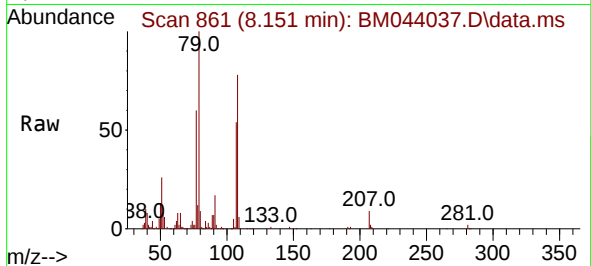




#15
Benzyl Alcohol
Concen: 3.980 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

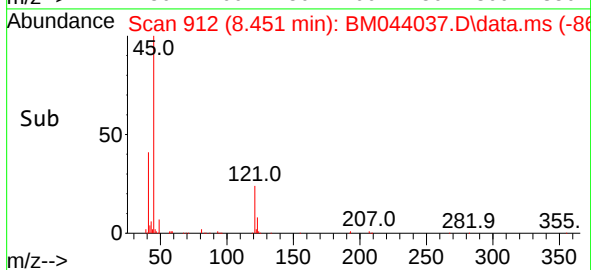
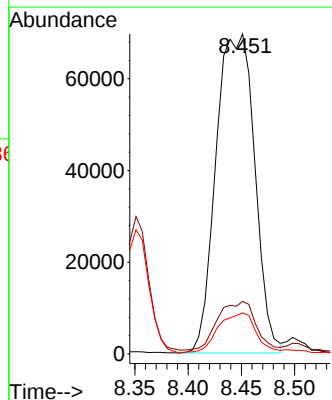
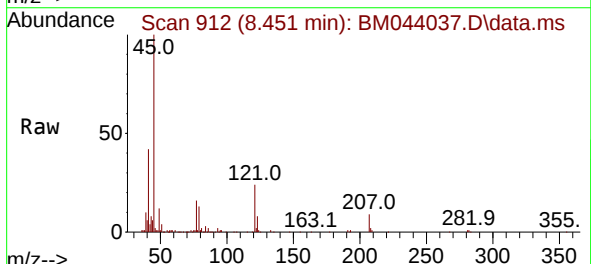
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

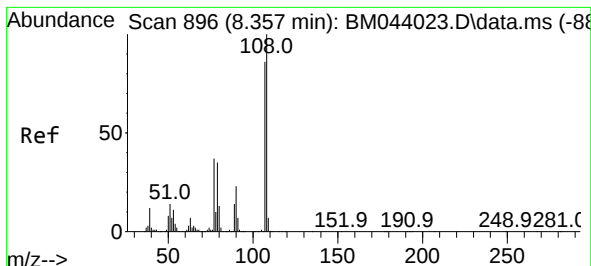
Tgt Ion: 79 Resp: 105476
Ion Ratio Lower Upper
79 100
108 78.2 66.0 99.0
77 60.1 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.065 ng
RT: 8.451 min Scan# 912
Delta R.T. 0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

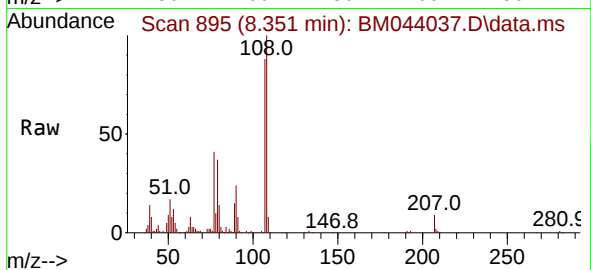
Tgt Ion: 45 Resp: 175300
Ion Ratio Lower Upper
45 100
77 16.4 0.0 35.1
79 12.8 0.0 31.5



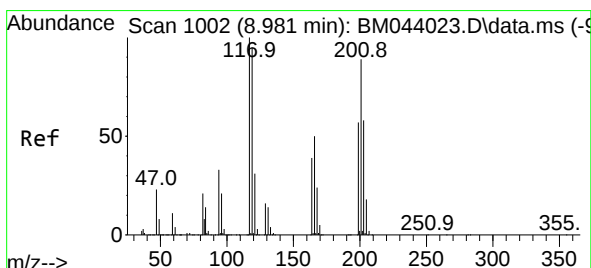
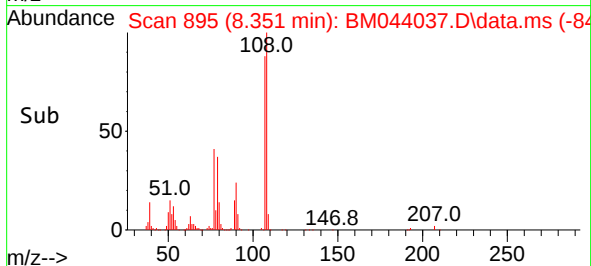
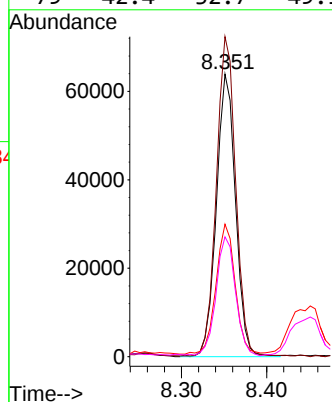


#17
2-Methylphenol
Concen: 3.721 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

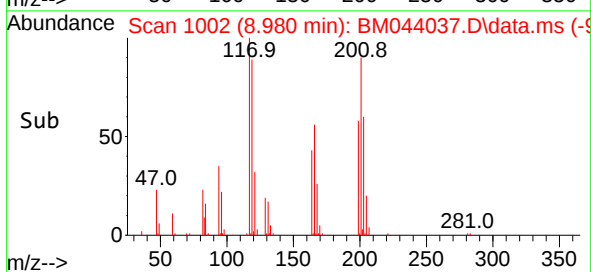
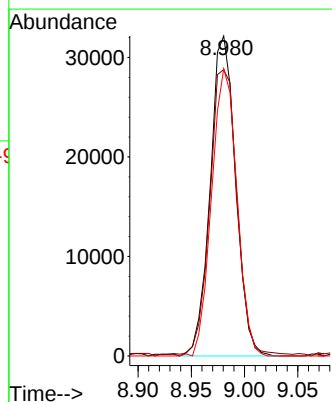
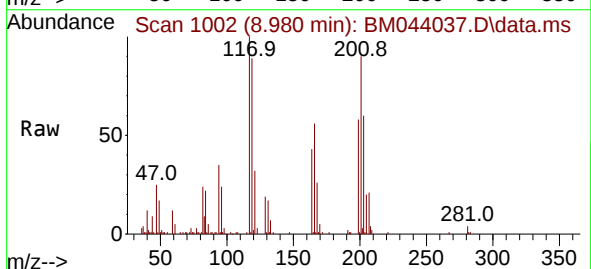


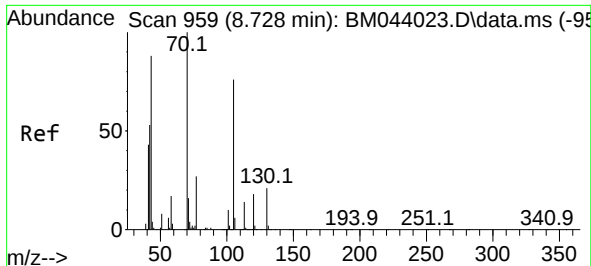
Tgt Ion:	107	Resp:	100345
Ion	Ratio	Lower	Upper
107	100		
108	113.2	93.4	140.2
77	46.9	34.7	52.1
79	42.4	32.7	49.1



#18
Hexachloroethane
Concen: 3.739 ng
RT: 8.980 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:	117	Resp:	53522
Ion	Ratio	Lower	Upper
117	100		
119	89.5	75.7	113.5
201	89.8	71.5	107.3

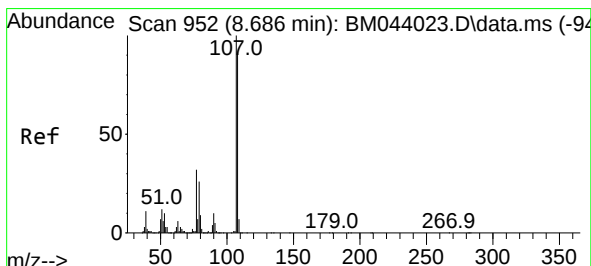
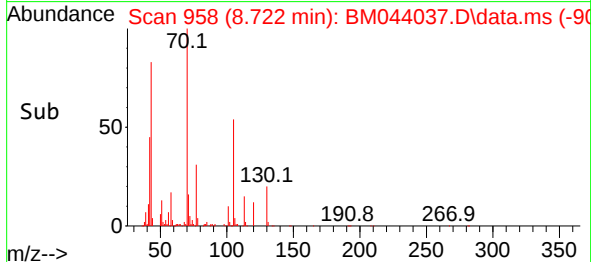
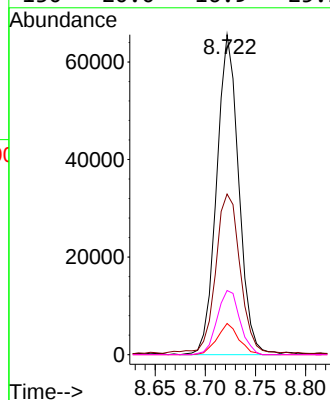
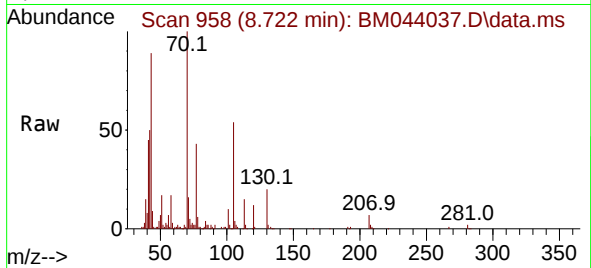




#19
n-Nitroso-di-n-propylamine
Concen: 4.022 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

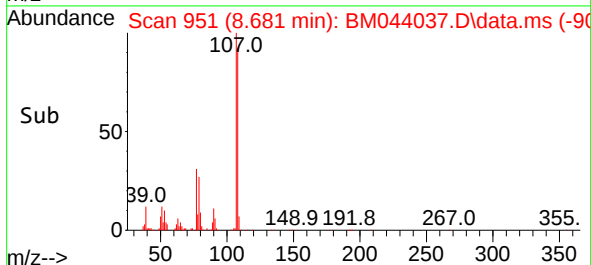
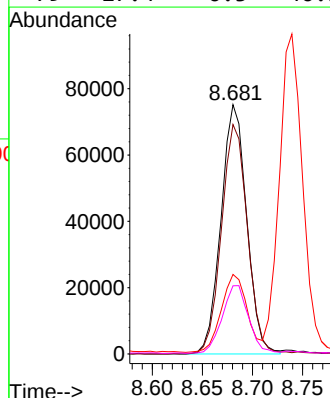
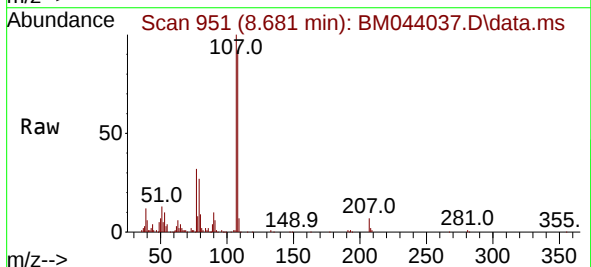
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

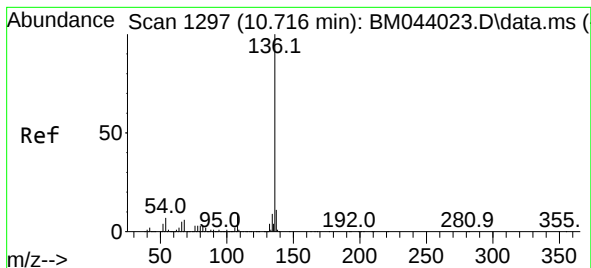
Tgt Ion: 70 Resp: 100516
Ion Ratio Lower Upper
70 100
42 50.2 42.6 64.0
101 9.8 7.8 11.6
130 20.0 16.9 25.3



#20
3+4-Methylphenols
Concen: 3.610 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 107 Resp: 133964
Ion Ratio Lower Upper
107 100
108 92.0 71.5 111.5
77 31.9 11.8 51.8
79 27.4 6.3 46.3

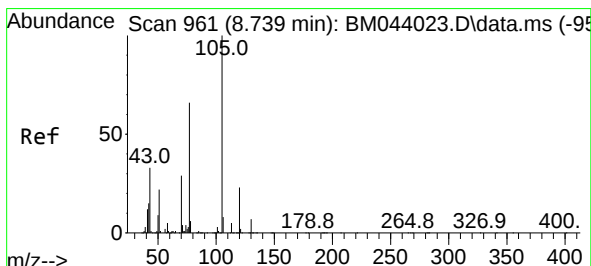
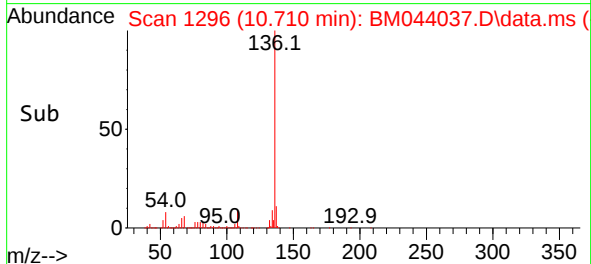
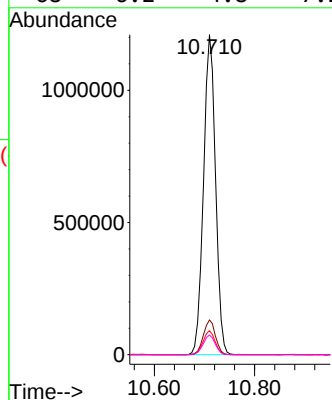
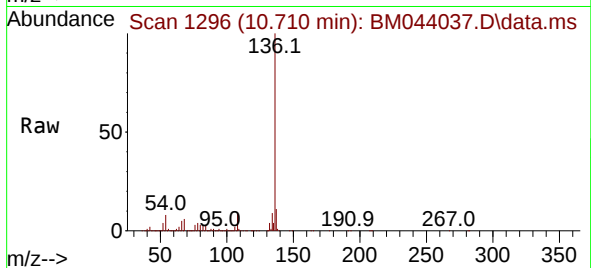




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

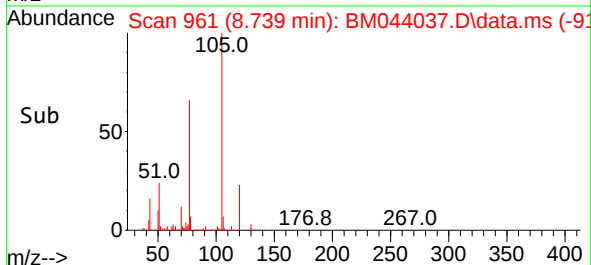
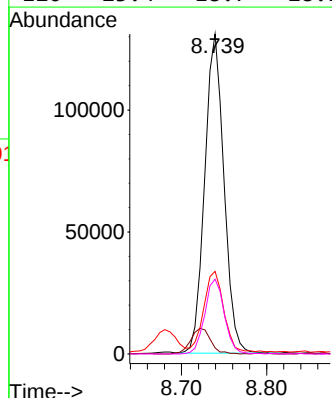
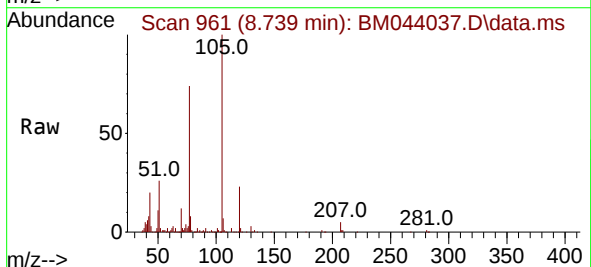
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

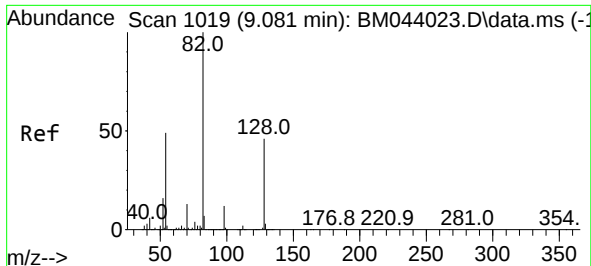
Tgt Ion:136 Resp: 2012692
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 5.9 8.9
68 6.2 4.8 7.2



#22
Acetophenone
Concen: 4.025 ng
RT: 8.739 min Scan# 961
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:105 Resp: 205621
Ion Ratio Lower Upper
105 100
71 1.9 4.0 6.0#
51 25.8 20.1 30.1
120 23.4 18.7 28.1

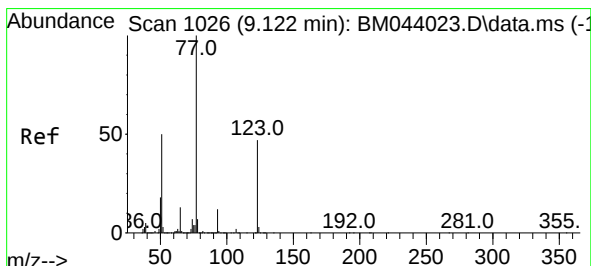
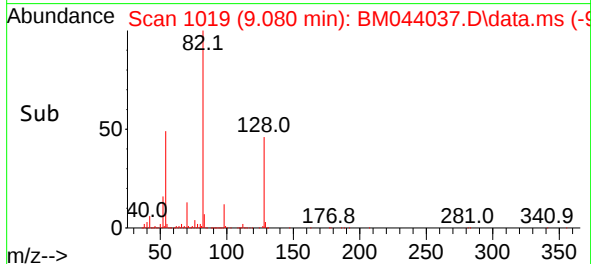
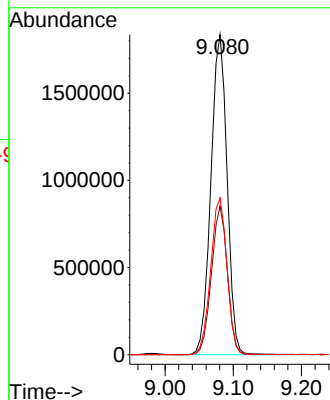
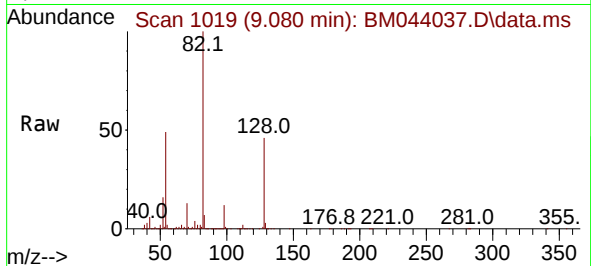




#23
Nitrobenzene-d5
Concen: 79.976 ng
RT: 9.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

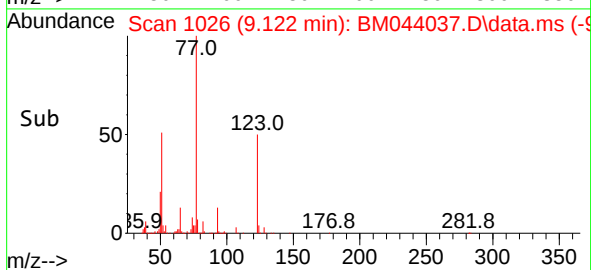
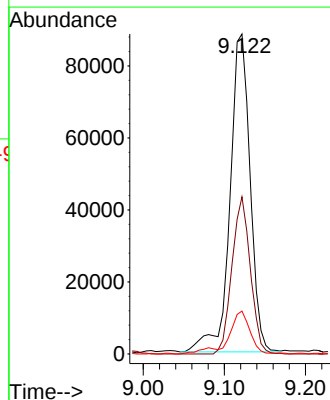
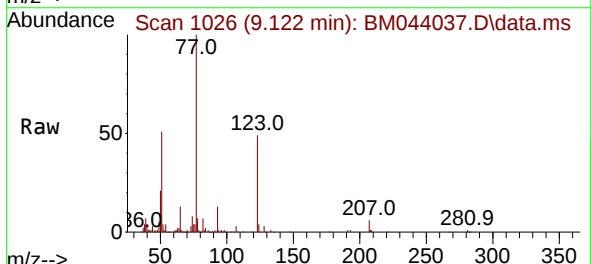
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

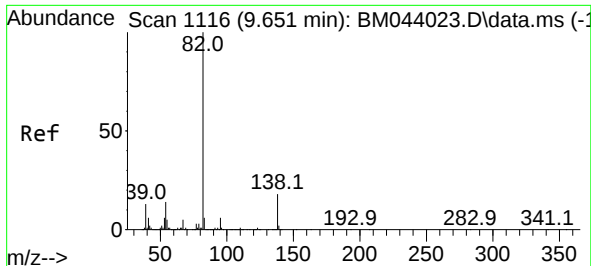
Tgt Ion: 82 Resp: 3033455
Ion Ratio Lower Upper
82 100
128 46.5 37.1 55.7
54 49.0 38.9 58.3



#24
Nitrobenzene
Concen: 3.919 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 77 Resp: 152230
Ion Ratio Lower Upper
77 100
123 49.1 37.8 56.8
65 13.4 10.5 15.7

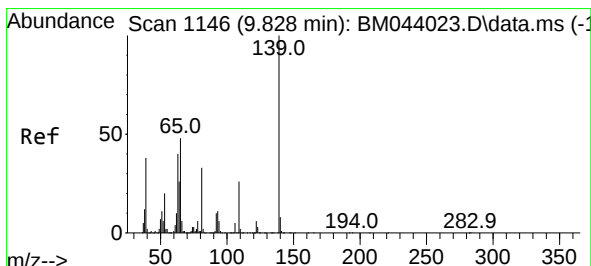
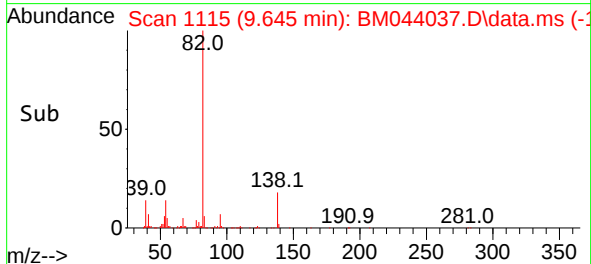
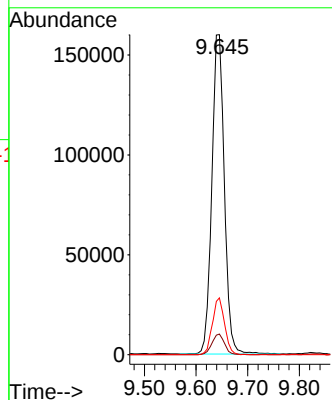
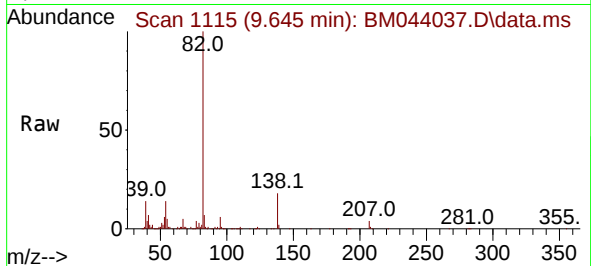




#25
Isophorone
Concen: 3.688 ng
RT: 9.645 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

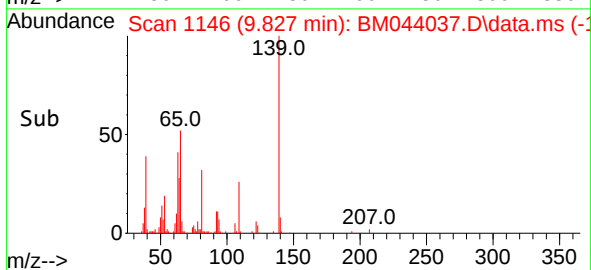
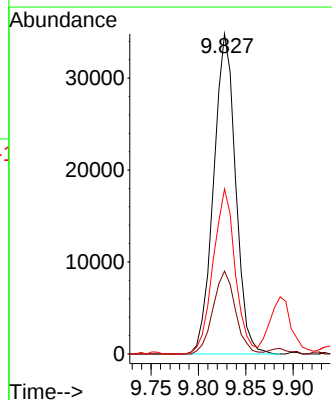
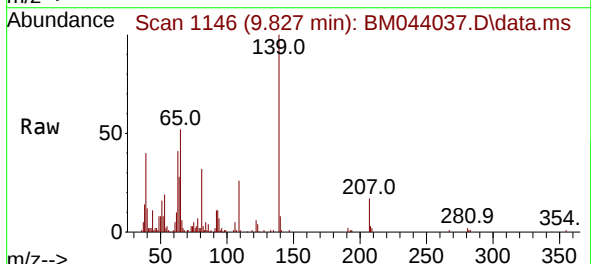
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

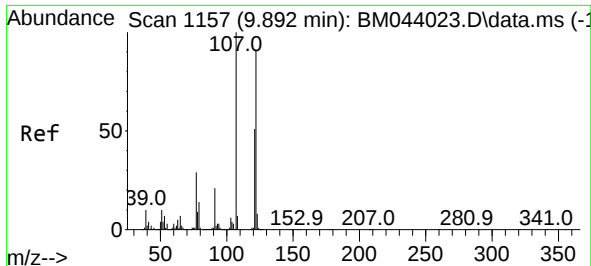
Tgt Ion: 82 Resp: 269328
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 17.8 14.3 21.5



#26
2-Nitrophenol
Concen: 3.121 ng
RT: 9.827 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:139 Resp: 56212
Ion Ratio Lower Upper
139 100
109 25.9 21.2 31.8
65 51.6 38.5 57.7

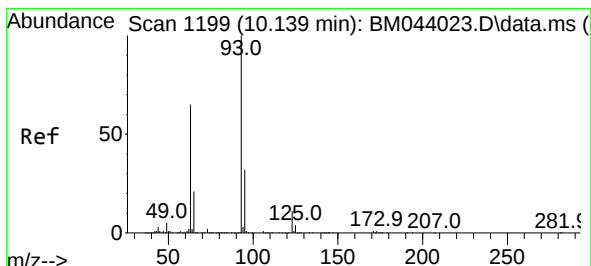
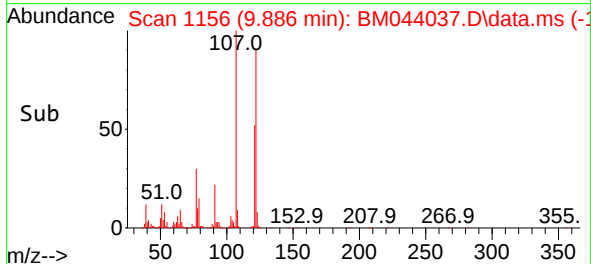
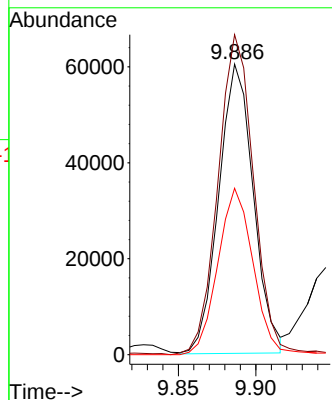
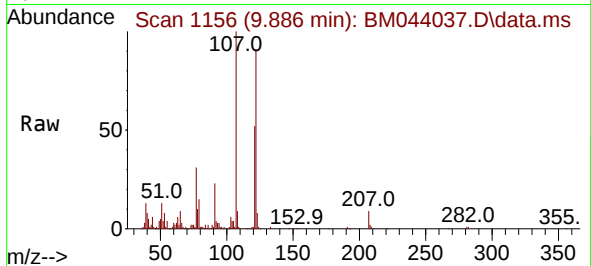




#27
2,4-Dimethylphenol
Concen: 4.075 ng
RT: 9.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

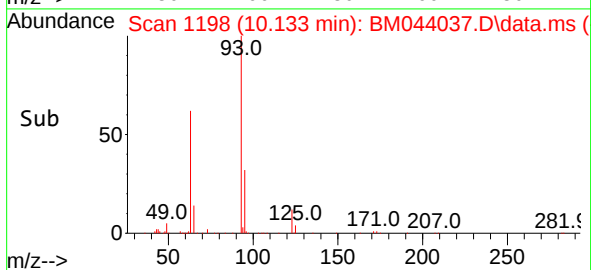
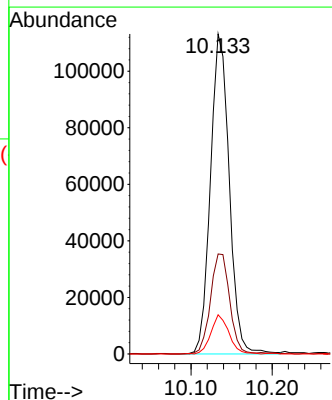
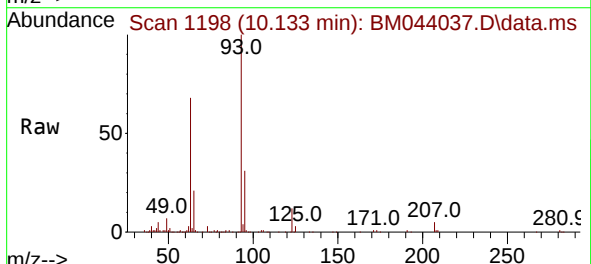
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

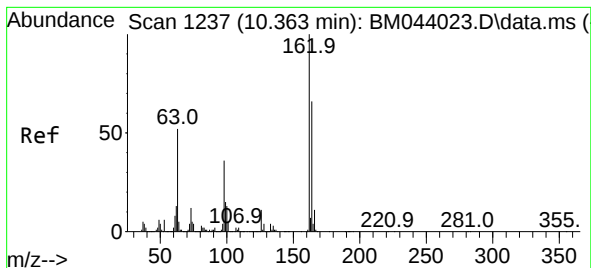
Tgt Ion:122 Resp: 93831
Ion Ratio Lower Upper
122 100
107 110.1 87.8 131.8
121 57.3 44.7 67.1



#28
bis(2-Chloroethoxy)methane
Concen: 3.851 ng
RT: 10.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 93 Resp: 181877
Ion Ratio Lower Upper
93 100
95 31.3 26.0 39.0
123 12.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.444 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

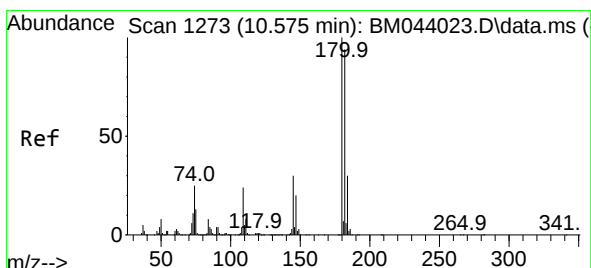
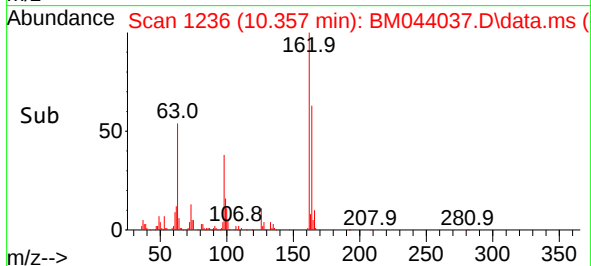
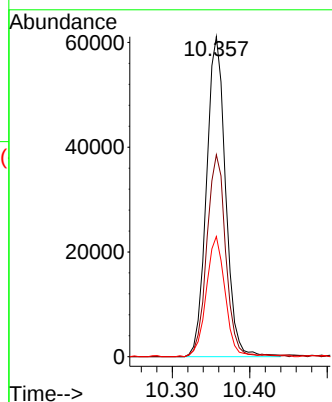
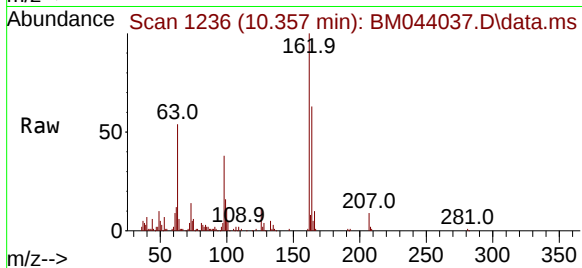
Tgt Ion:162 Resp: 104418

Ion Ratio Lower Upper

162 100

164 63.1 46.1 86.1

98 37.6 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 3.695 ng

RT: 10.574 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

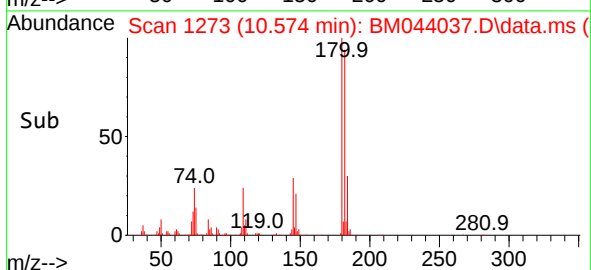
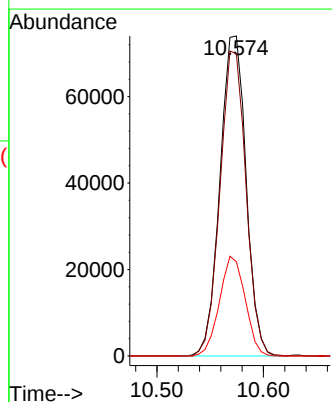
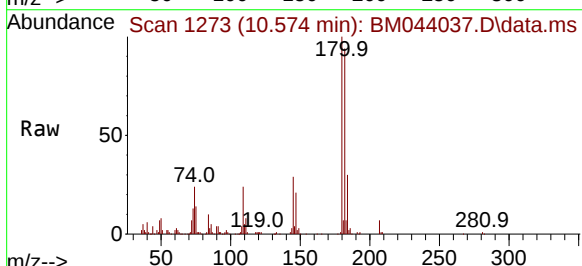
Tgt Ion:180 Resp: 125956

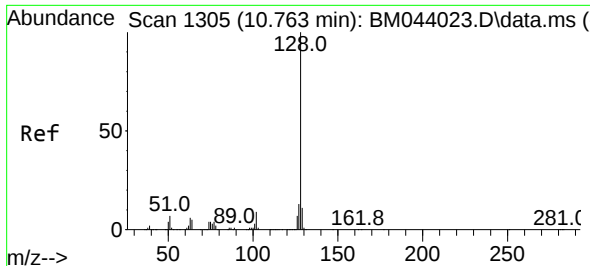
Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 29.5 24.3 36.5

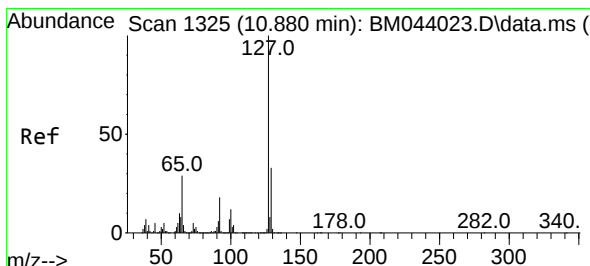
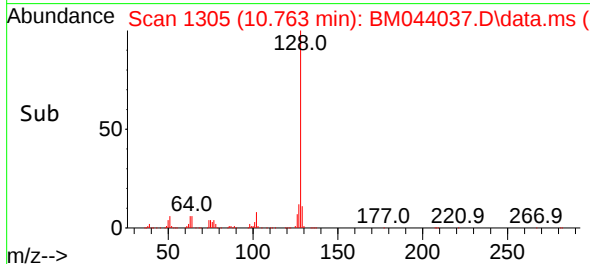
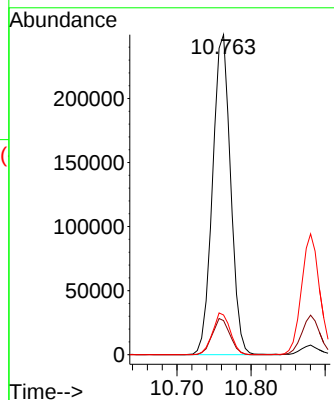
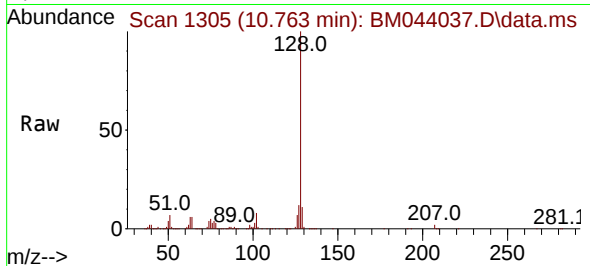




#31
Naphthalene
Concen: 3.788 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

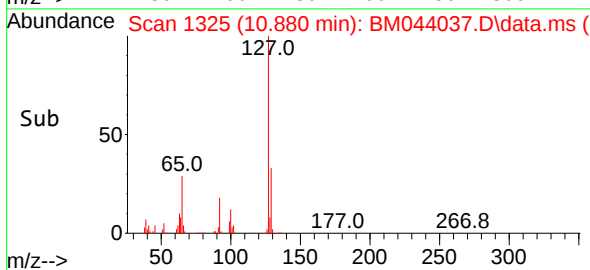
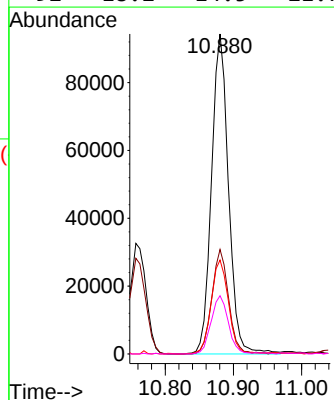
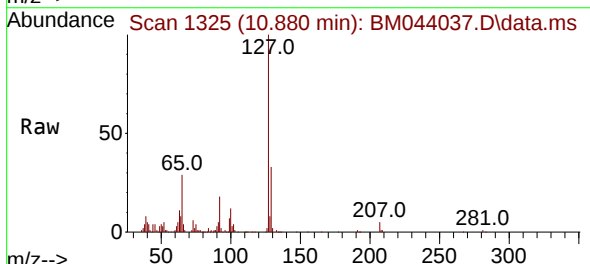
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

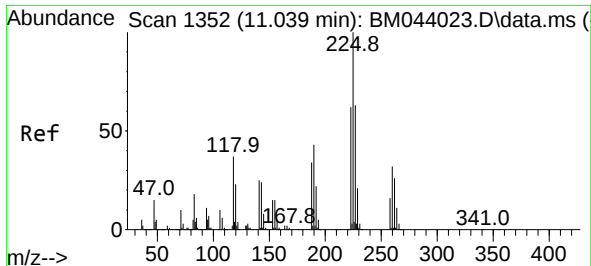
Tgt Ion:128 Resp: 420759
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.4 10.3 15.5



#33
4-Chloroaniline
Concen: 3.899 ng
RT: 10.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:127 Resp: 164006
Ion Ratio Lower Upper
127 100
129 32.7 26.0 39.0
65 29.4 23.0 34.6
92 18.2 14.5 21.7

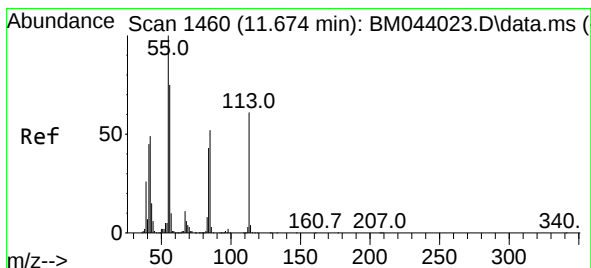
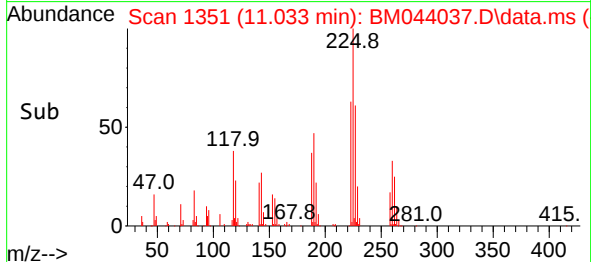
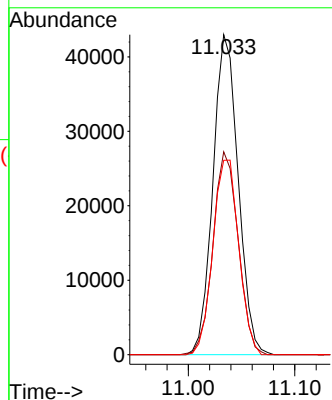
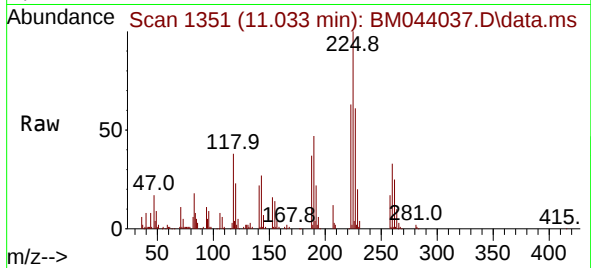




#34
Hexachlorobutadiene
Concen: 3.617 ng
RT: 11.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

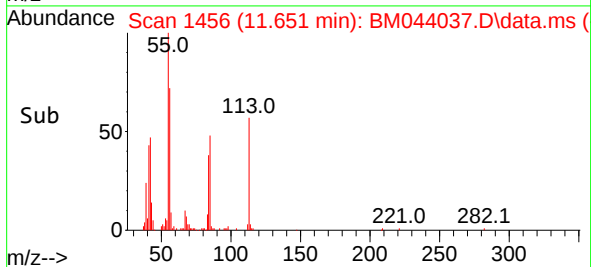
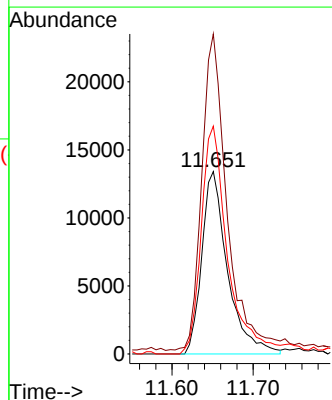
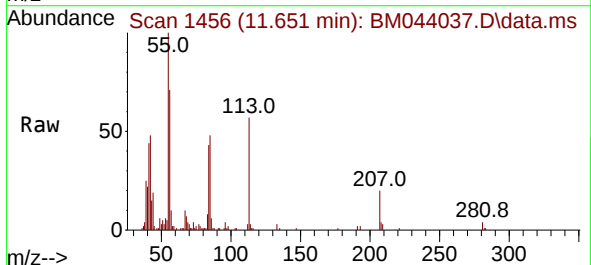
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

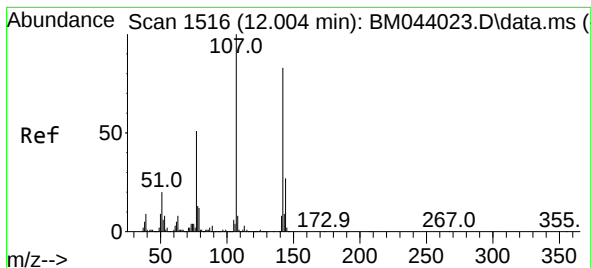
Tgt Ion:225 Resp: 70584
Ion Ratio Lower Upper
225 100
223 63.4 49.9 74.9
227 60.7 50.6 76.0



#35
Caprolactam
Concen: 3.031 ng
RT: 11.651 min Scan# 1456
Delta R.T. -0.024 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:113 Resp: 29571
Ion Ratio Lower Upper
113 100
55 175.4 145.6 185.6
56 124.9 103.3 143.3

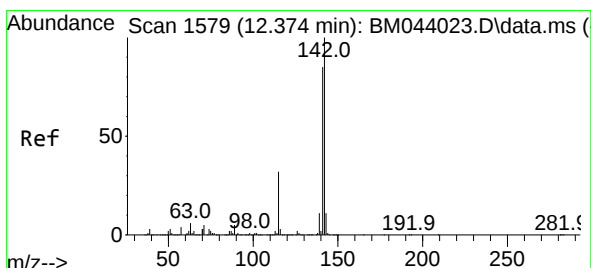
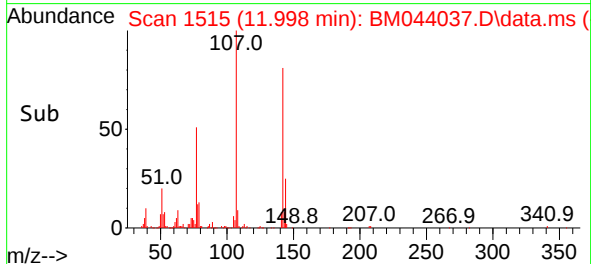
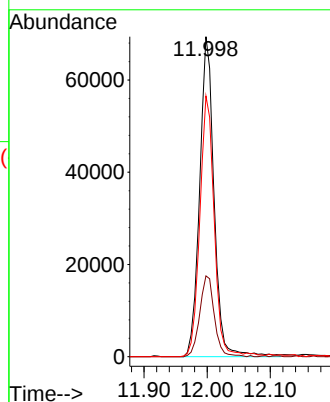
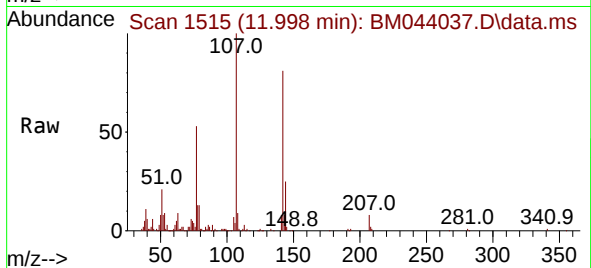




#36
4-Chloro-3-methylphenol
Concen: 3.371 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

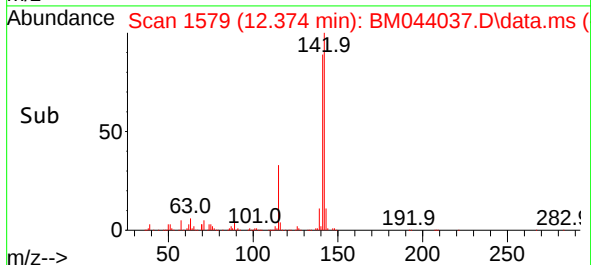
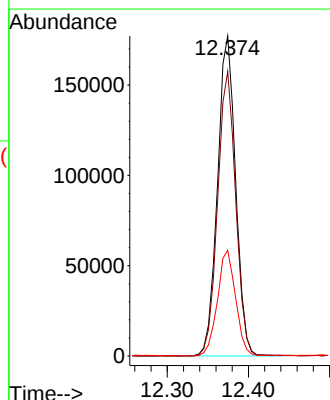
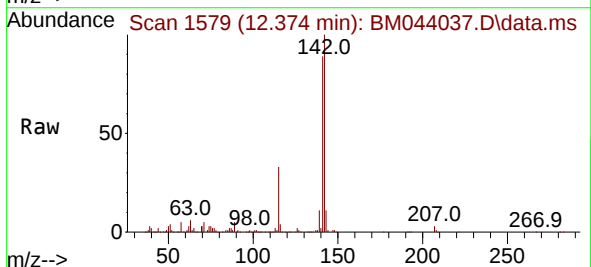
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

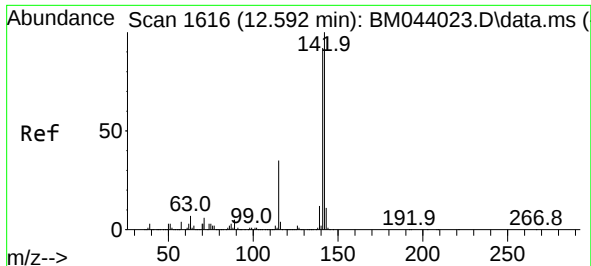
Tgt Ion:107 Resp: 110662
Ion Ratio Lower Upper
107 100
144 25.3 21.3 31.9
142 81.5 66.2 99.4



#37
2-Methylnaphthalene
Concen: 3.721 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:142 Resp: 275344
Ion Ratio Lower Upper
142 100
141 88.9 68.3 102.5
115 33.0 25.7 38.5

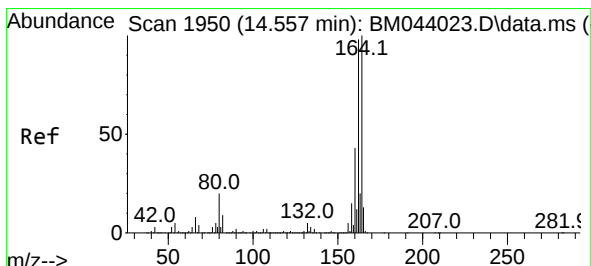
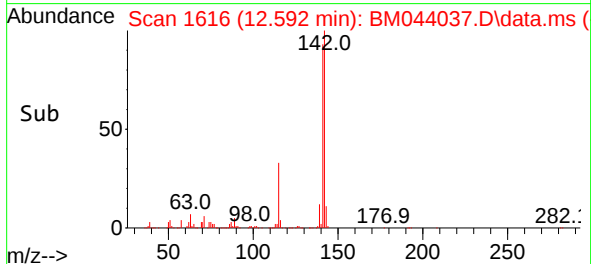
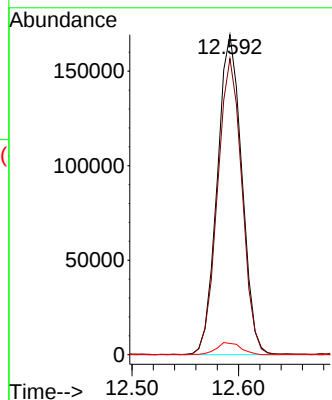
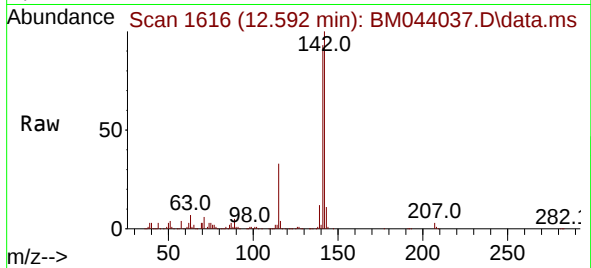




#38
1-Methylnaphthalene
Concen: 3.724 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

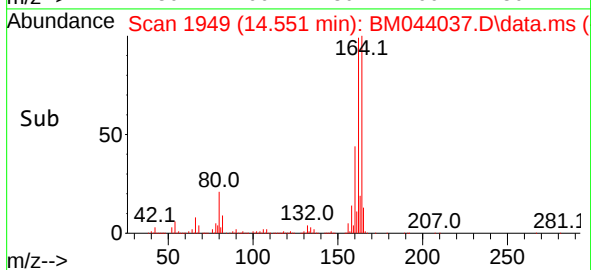
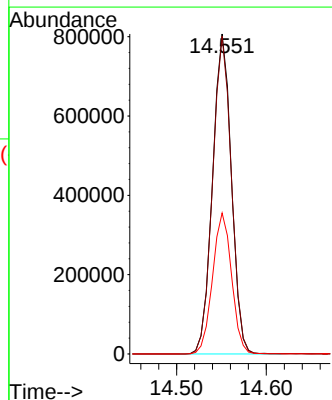
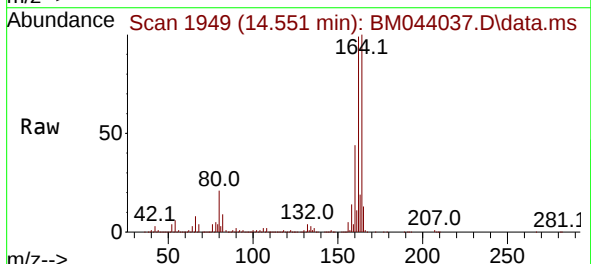
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

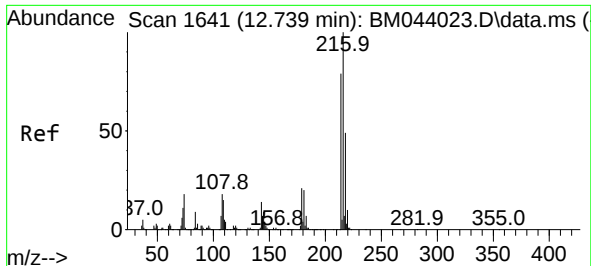
Tgt Ion:142 Resp: 270770
Ion Ratio Lower Upper
142 100
141 92.6 73.4 110.0
116 3.5 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:164 Resp: 1174068
Ion Ratio Lower Upper
164 100
162 99.3 78.4 117.6
160 44.0 34.6 51.8

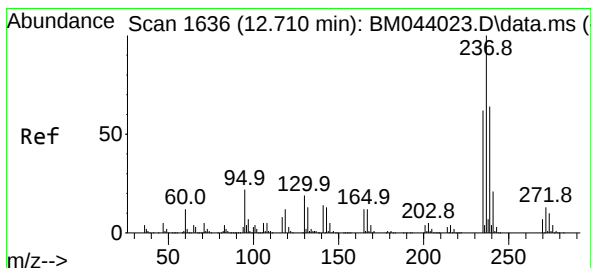
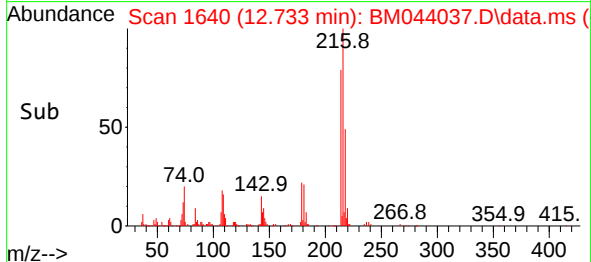
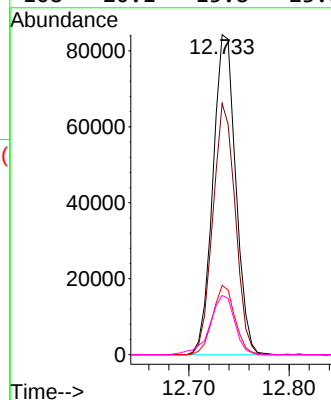
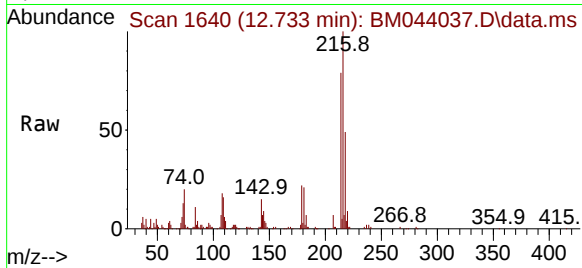




#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.899 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

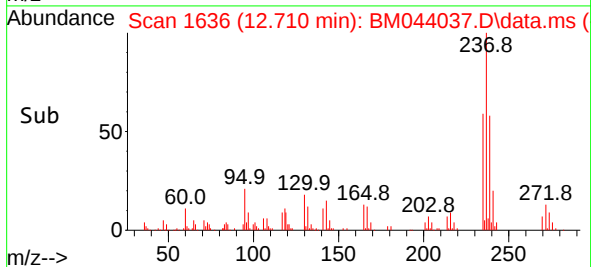
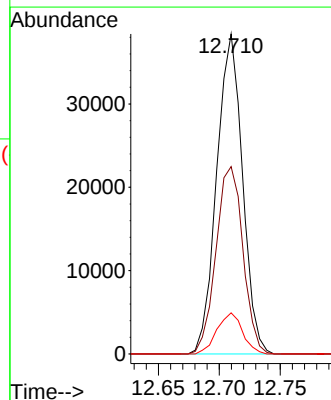
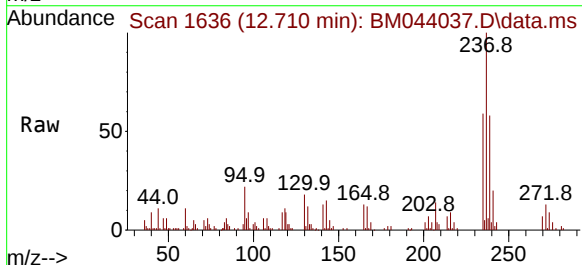
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

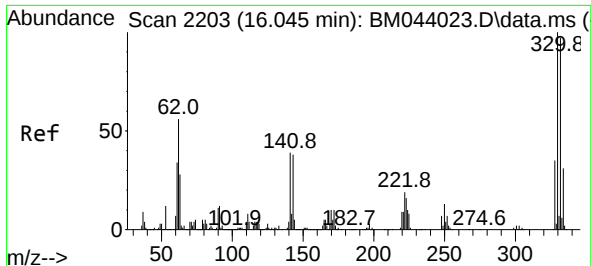
Tgt Ion:216 Resp: 133047
Ion Ratio Lower Upper
216 100
214 77.0 63.1 94.7
179 21.0 17.0 25.6
108 20.1 15.8 23.8



#41
Hexachlorocyclopentadiene
Concen: 3.798 ng
RT: 12.710 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:237 Resp: 56561
Ion Ratio Lower Upper
237 100
235 58.6 42.4 82.4
272 12.8 0.0 33.3

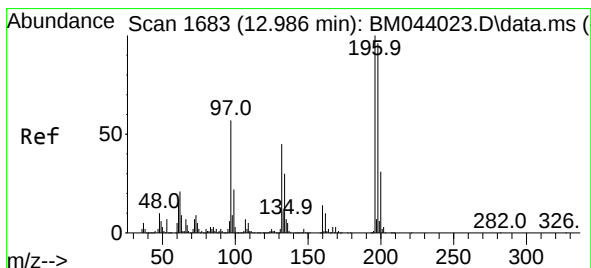
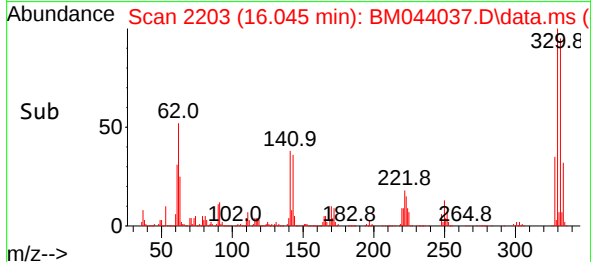
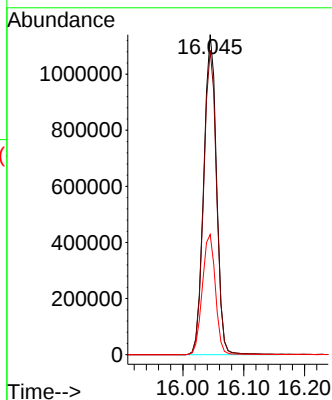
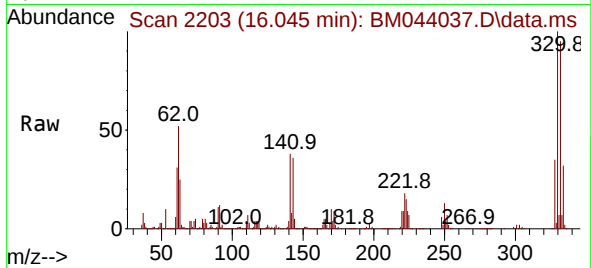




#42
2,4,6-Tribromophenol
Concen: 131.289 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

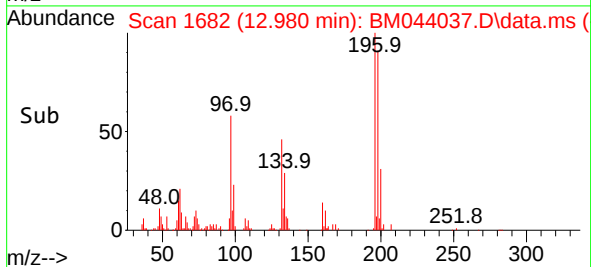
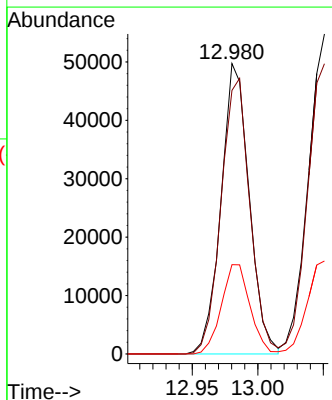
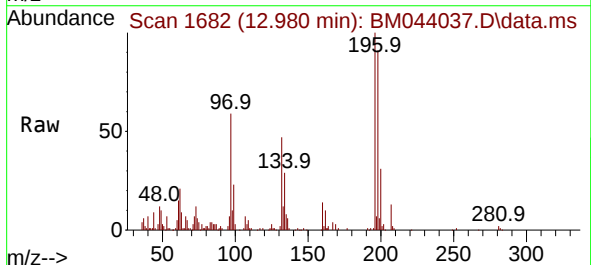
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

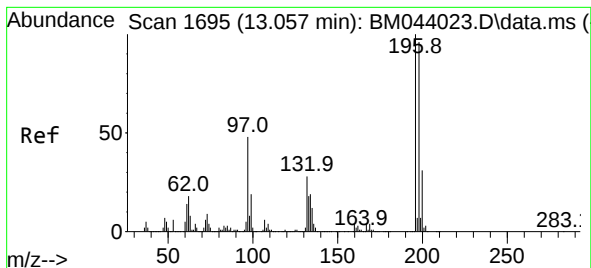
Tgt Ion:330 Resp: 1668939
Ion Ratio Lower Upper
330 100
332 95.8 77.7 116.5
141 38.4 31.0 46.4



#43
2,4,6-Trichlorophenol
Concen: 3.199 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:196 Resp: 74292
Ion Ratio Lower Upper
196 100
198 90.7 76.8 115.2
200 30.7 24.6 37.0





#44

2,4,5-Trichlorophenol

Concen: 3.190 ng

RT: 13.051 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044037.D

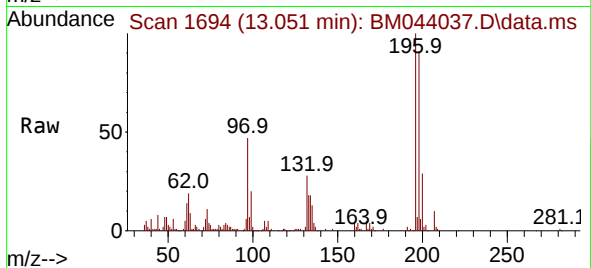
Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:196 Resp: 81313

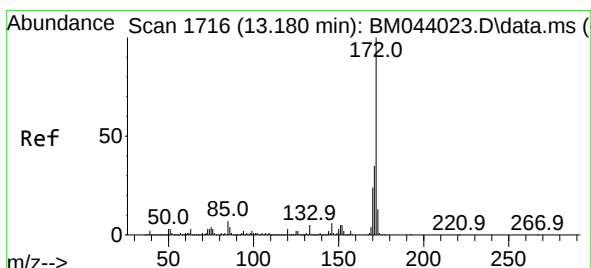
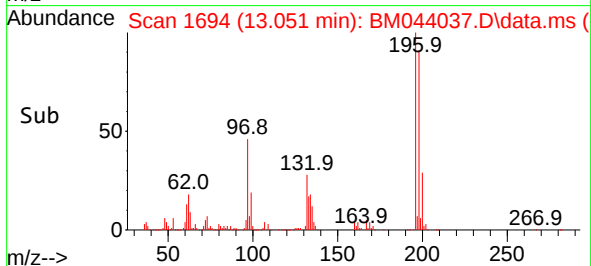
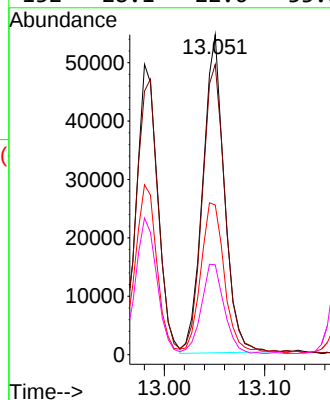
Ion Ratio Lower Upper

196 100

198 90.7 76.9 115.3

97 46.8 39.0 58.4

132 28.1 22.6 33.8



#45

2-Fluorobiphenyl

Concen: 77.427 ng

RT: 13.180 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

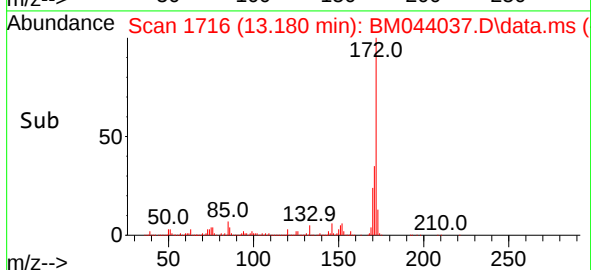
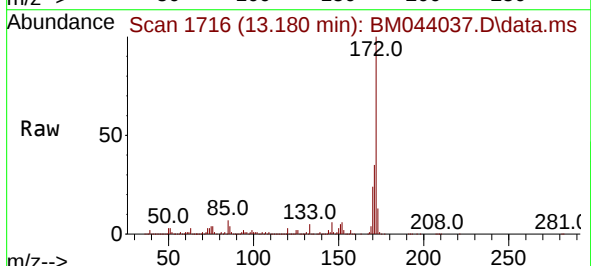
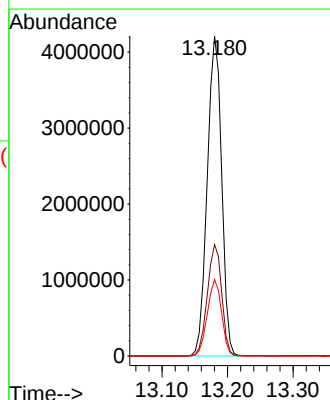
Tgt Ion:172 Resp: 6441135

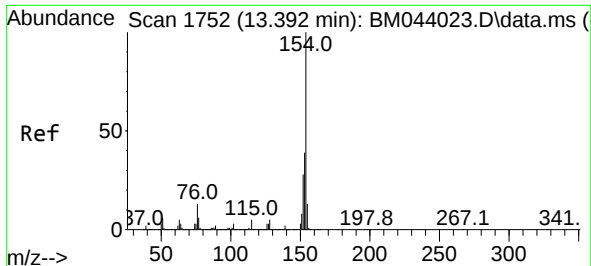
Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 23.9 19.0 28.4

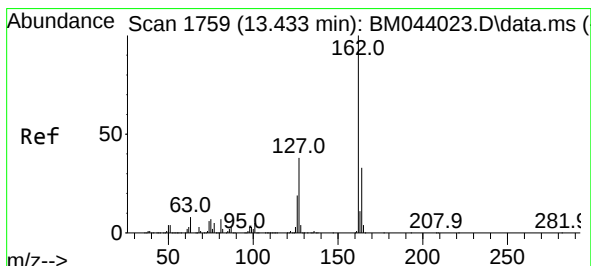
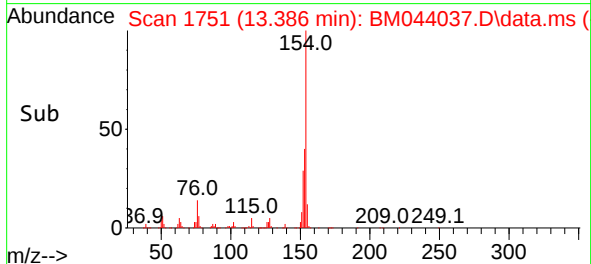
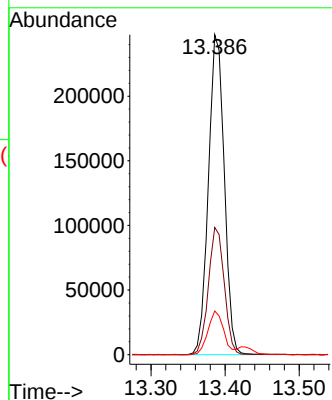
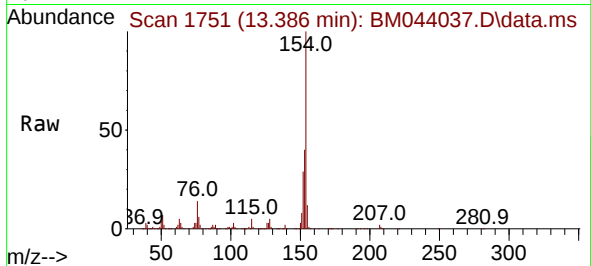




#46
1,1'-Biphenyl
Concen: 3.977 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

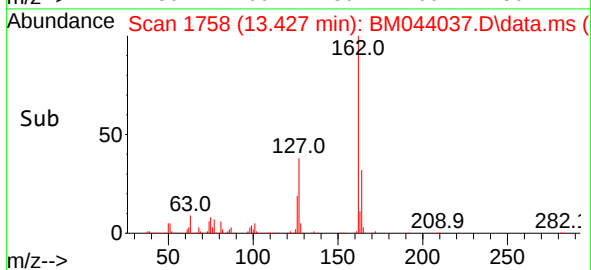
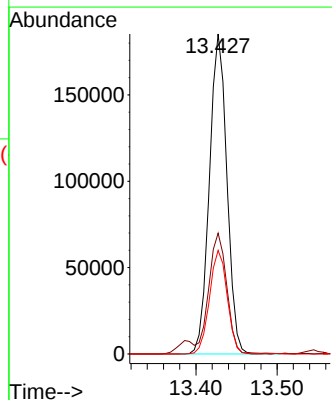
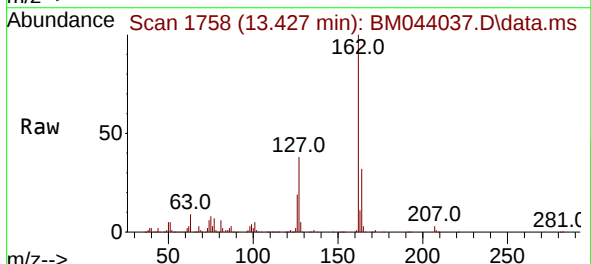
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

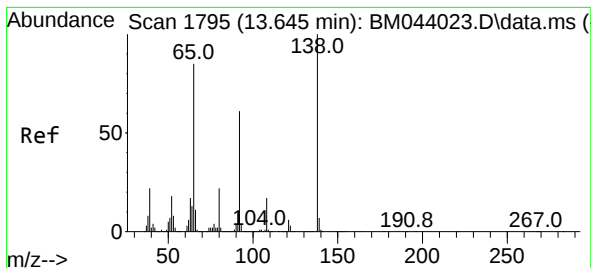
Tgt Ion:154 Resp: 368474
Ion Ratio Lower Upper
154 100
153 39.8 19.4 59.4
76 13.6 0.0 32.9



#47
2-Chloronaphthalene
Concen: 3.778 ng
RT: 13.427 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:162 Resp: 277256
Ion Ratio Lower Upper
162 100
127 37.8 30.9 46.3
164 32.4 26.4 39.6





#48

2-Nitroaniline

Concen: 3.133 ng

RT: 13.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044037.D

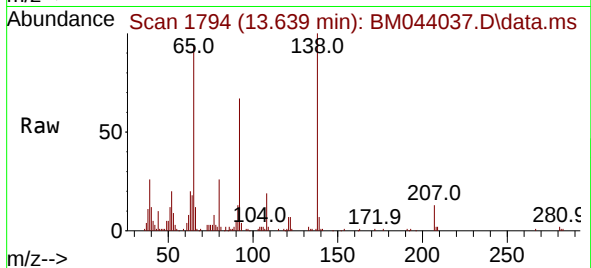
Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



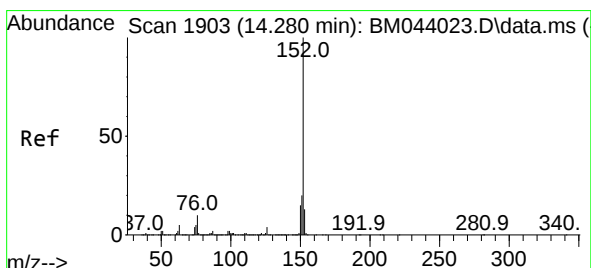
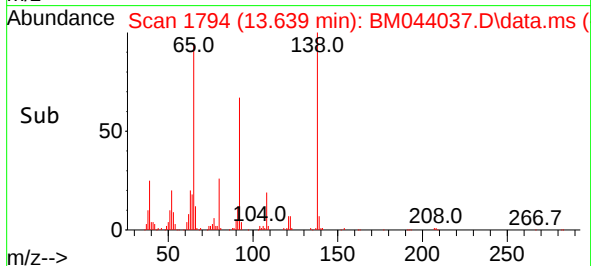
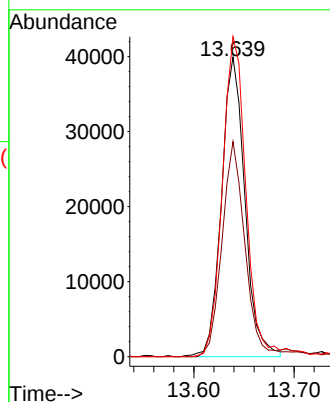
Tgt Ion: 65 Resp: 64678

Ion Ratio Lower Upper

65 100

92 71.8 58.1 87.1

138 106.8 94.6 142.0



#49

Acenaphthylene

Concen: 3.995 ng

RT: 14.274 min Scan# 1902

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

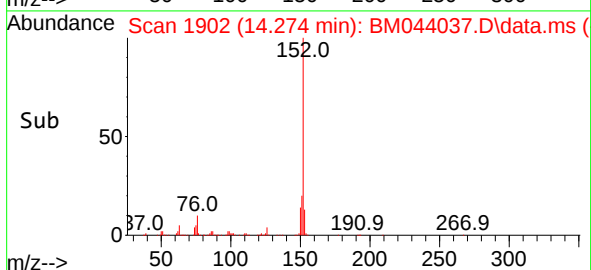
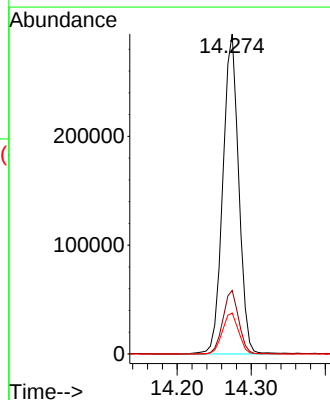
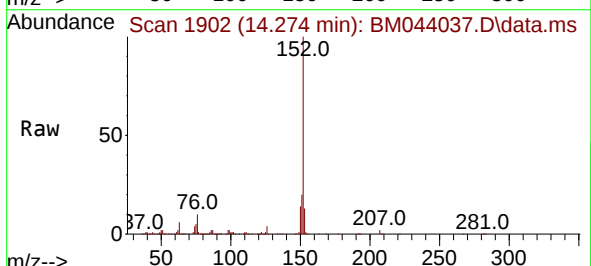
Tgt Ion:152 Resp: 437384

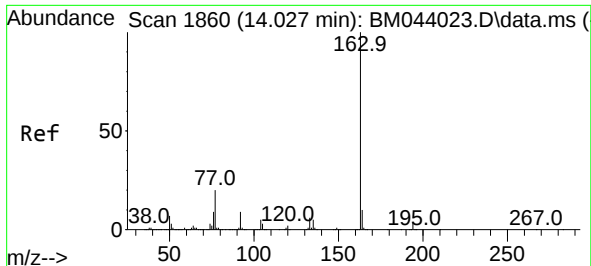
Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

153 12.8 10.5 15.7

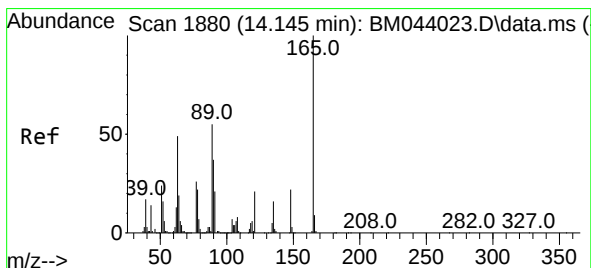
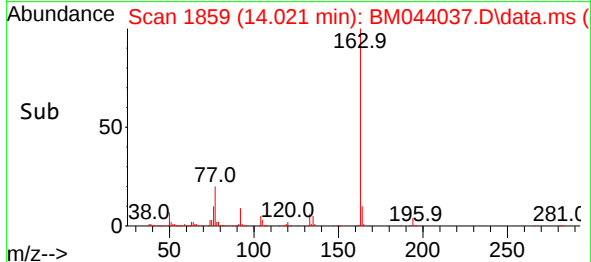
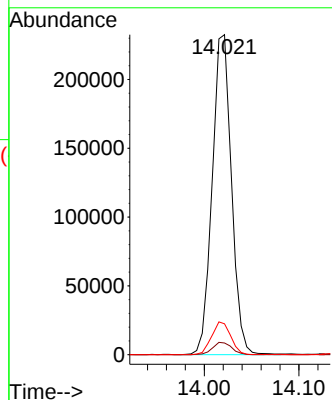
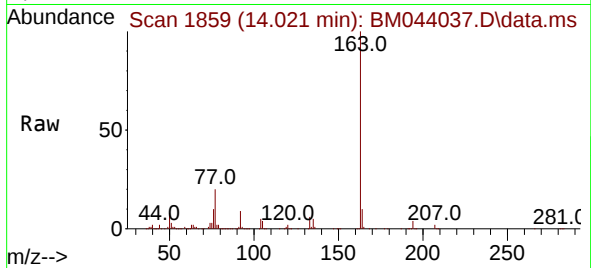




#50
Dimethylphthalate
Concen: 3.783 ng
RT: 14.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

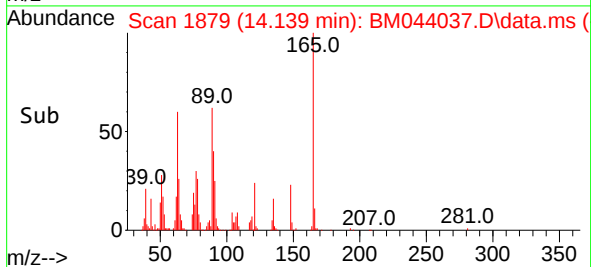
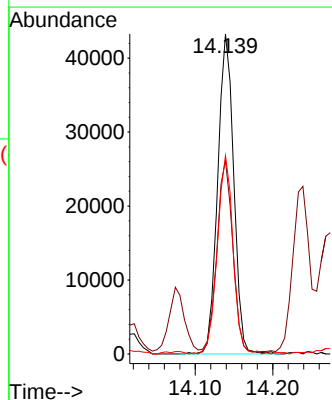
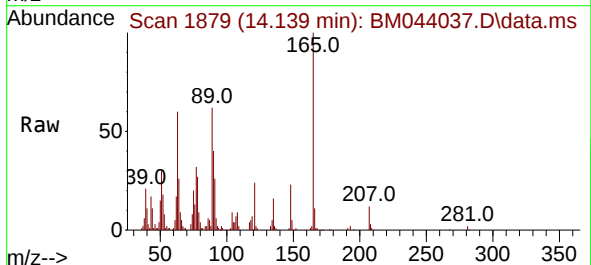
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

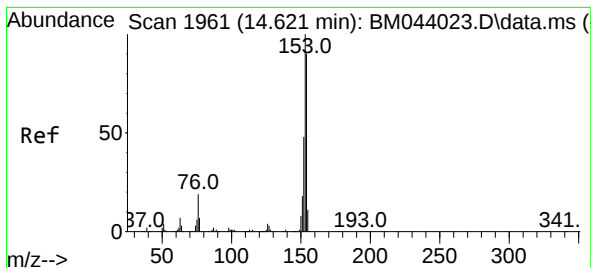
Tgt Ion:163 Resp: 329346
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.7 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 3.240 ng
RT: 14.139 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:165 Resp: 62227
Ion Ratio Lower Upper
165 100
63 60.5 43.5 65.3
89 62.0 44.4 66.6





#52

Acenaphthene

Concen: 3.792 ng

RT: 14.615 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

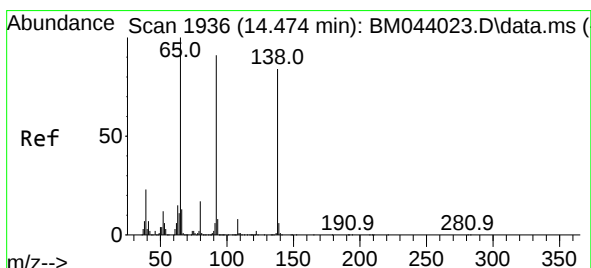
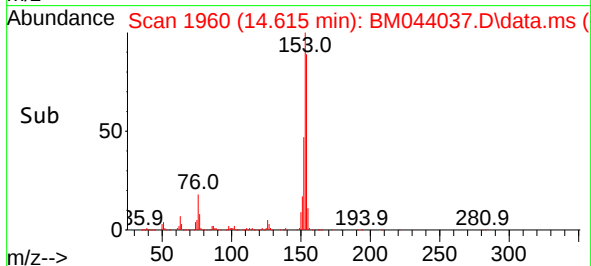
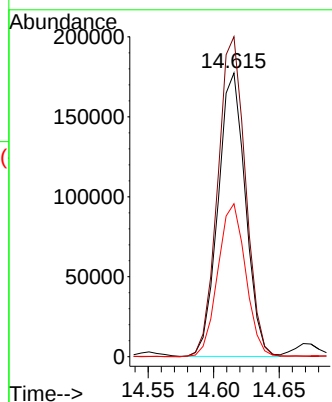
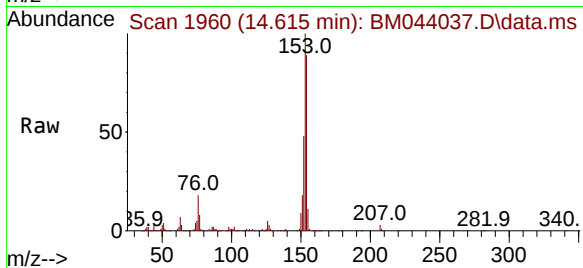
Tgt Ion:154 Resp: 256920

Ion Ratio Lower Upper

154 100

153 112.8 89.3 133.9

152 53.9 43.0 64.6



#53

3-Nitroaniline

Concen: 3.054 ng

RT: 14.468 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

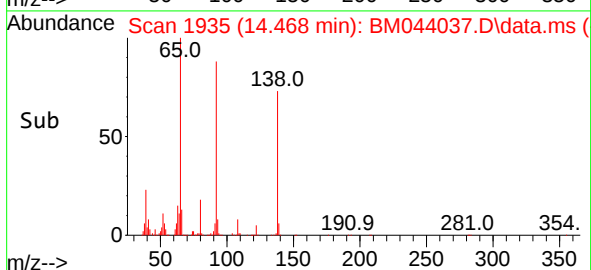
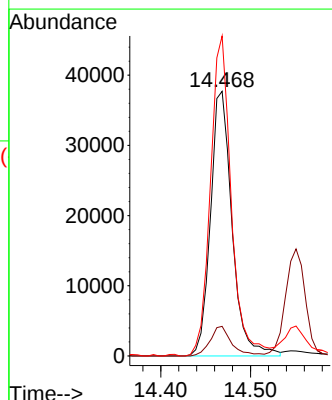
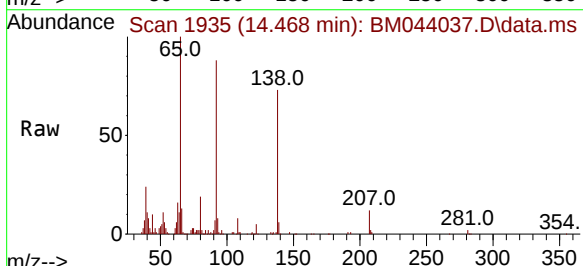
Tgt Ion:138 Resp: 63027

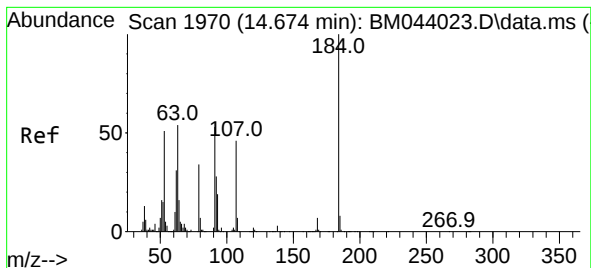
Ion Ratio Lower Upper

138 100

108 11.2 7.6 11.4

92 120.9 86.5 129.7

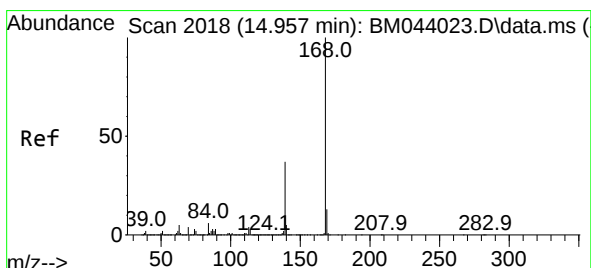
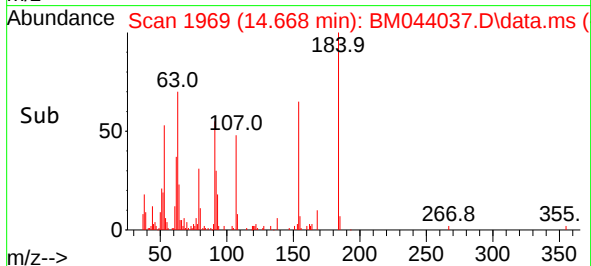
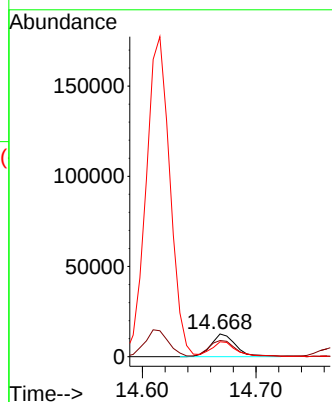
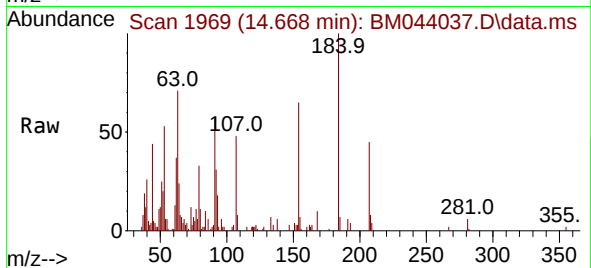




#54
2,4-Dinitrophenol
Concen: 7.117 ng
RT: 14.668 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

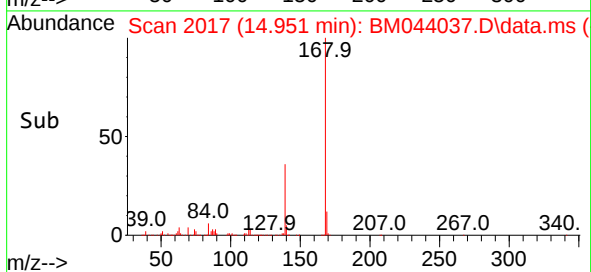
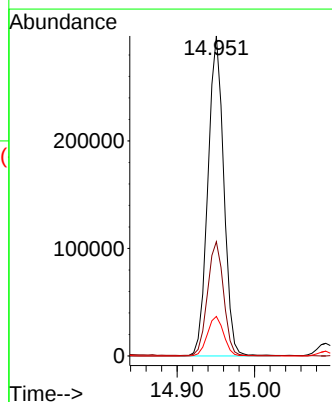
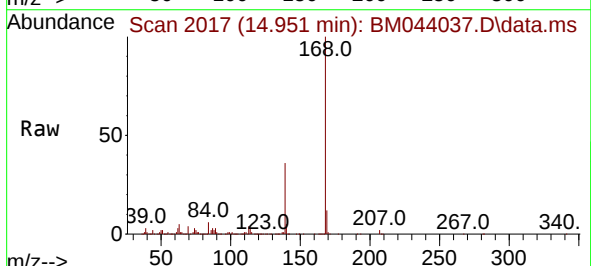
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

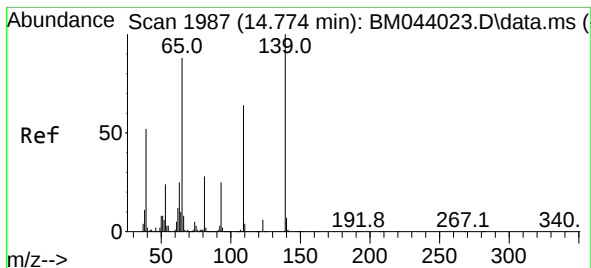
Tgt Ion:184 Resp: 18958
Ion Ratio Lower Upper
184 100
63 70.9 55.4 83.2
154 65.4 49.2 73.8



#55
Dibenzofuran
Concen: 4.031 ng
RT: 14.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:168 Resp: 422770
Ion Ratio Lower Upper
168 100
139 35.7 29.6 44.4
169 12.4 10.5 15.7

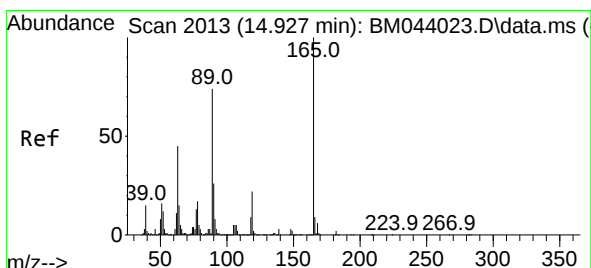
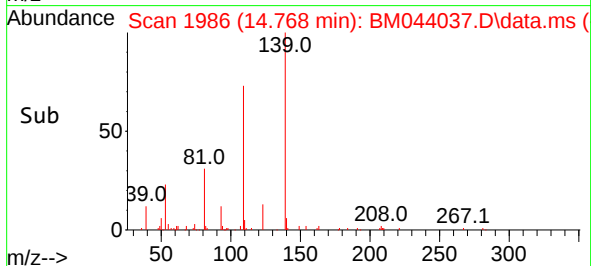
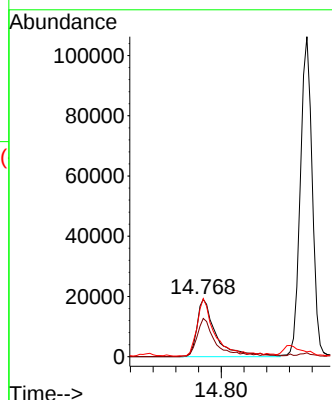
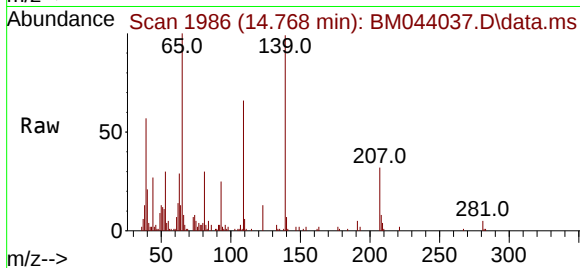




#56
4-Nitrophenol
Concen: 2.657 ng
RT: 14.768 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

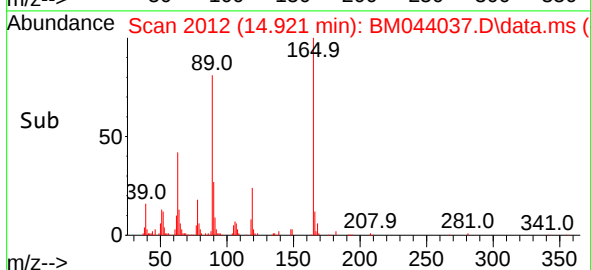
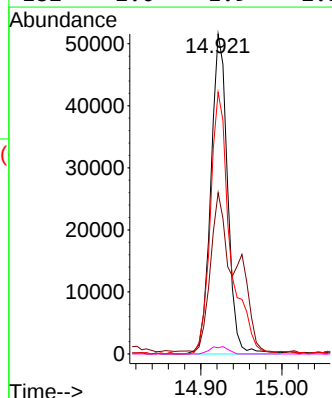
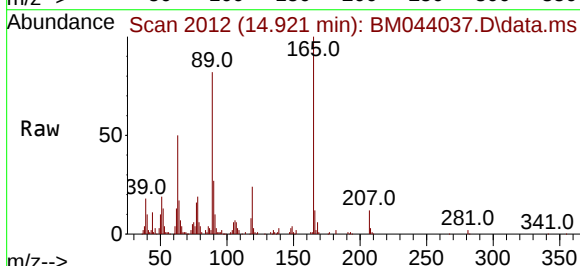
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

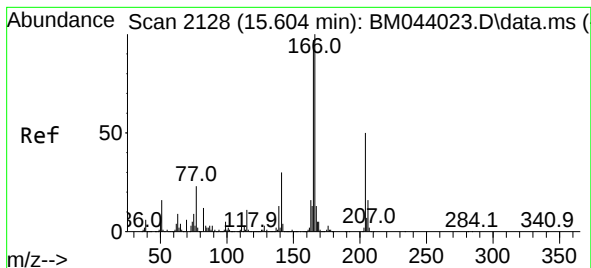
Tgt Ion:139 Resp: 44580
Ion Ratio Lower Upper
139 100
109 66.6 43.8 83.8
65 101.1 67.7 107.7



#57
2,4-Dinitrotoluene
Concen: 2.933 ng
RT: 14.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:165 Resp: 73616
Ion Ratio Lower Upper
165 100
63 50.4 35.9 53.9
89 81.8 58.9 88.3
182 2.0 1.9 2.9





#58

Fluorene

Concen: 3.996 ng

RT: 15.598 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

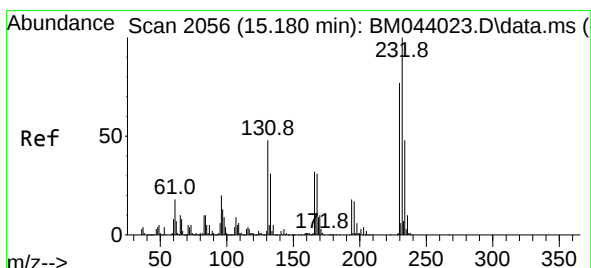
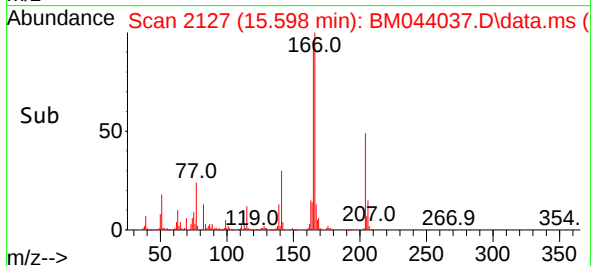
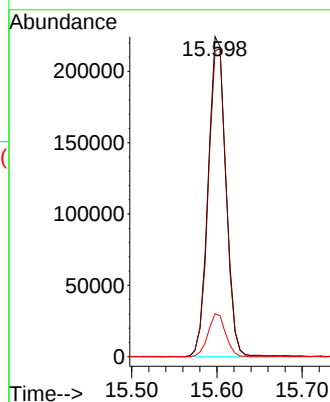
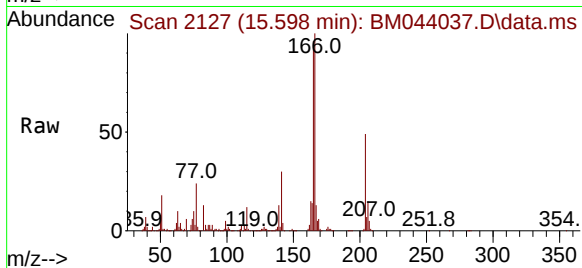
Tgt Ion:166 Resp: 323836

Ion Ratio Lower Upper

166 100

165 95.5 77.7 116.5

167 13.4 10.7 16.1



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.650 ng

RT: 15.174 min Scan# 2055

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Tgt Ion:232 Resp: 72999

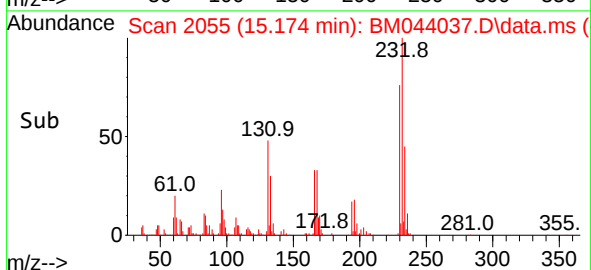
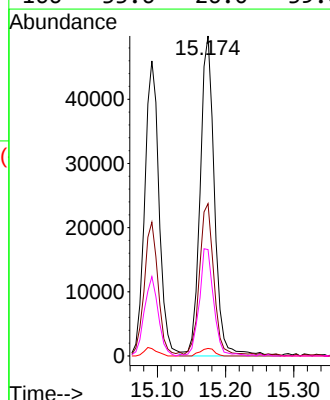
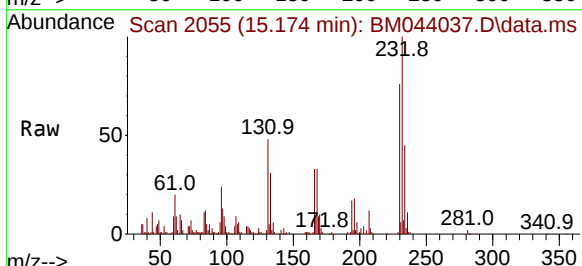
Ion Ratio Lower Upper

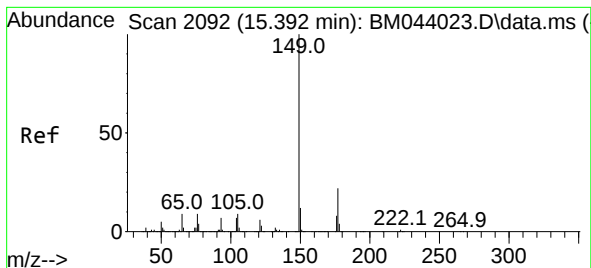
232 100

131 46.5 39.5 59.3

130 2.4 2.0 3.0

166 33.6 26.0 39.0





#60

Diethylphthalate

Concen: 3.590 ng

RT: 15.386 min Scan# 2091

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

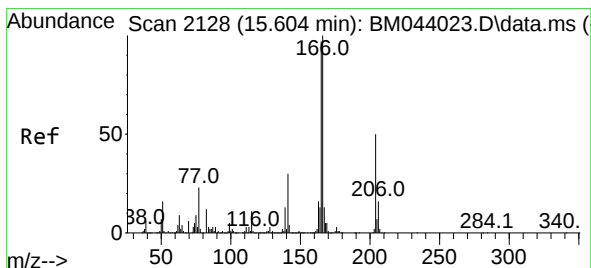
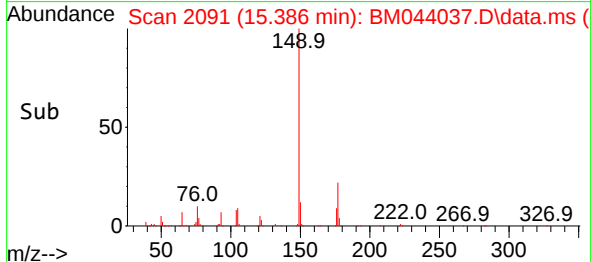
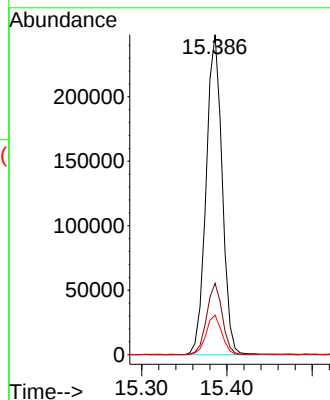
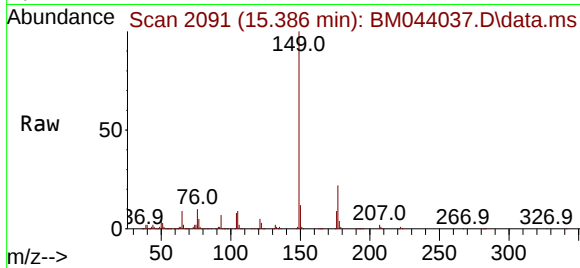
Tgt Ion:149 Resp: 322999

Ion Ratio Lower Upper

149 100

177 22.3 17.5 26.3

150 12.4 9.8 14.6



#61

4-Chlorophenyl-phenylether

Concen: 4.041 ng

RT: 15.604 min Scan# 2128

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

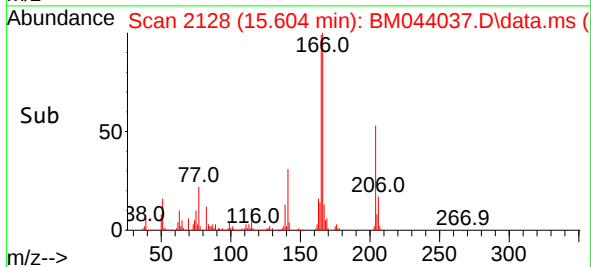
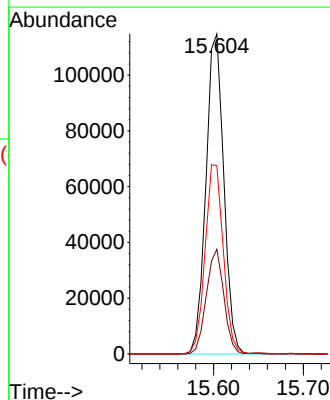
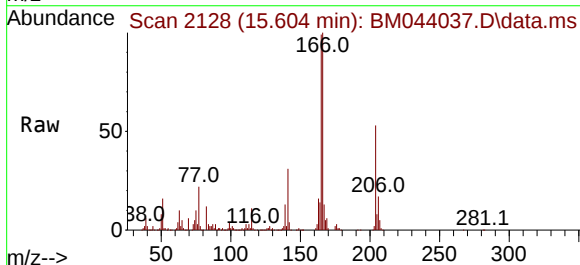
Tgt Ion:204 Resp: 158680

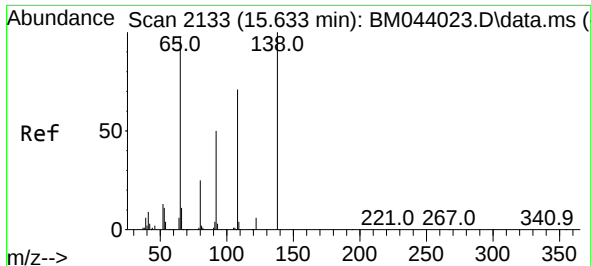
Ion Ratio Lower Upper

204 100

206 32.7 26.3 39.5

141 58.9 47.7 71.5

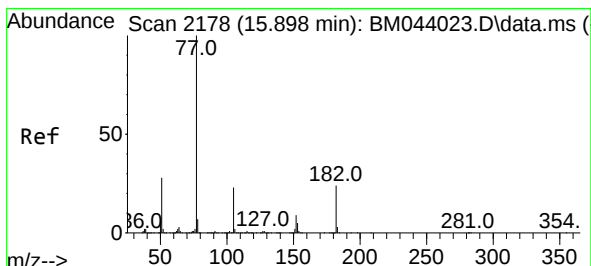
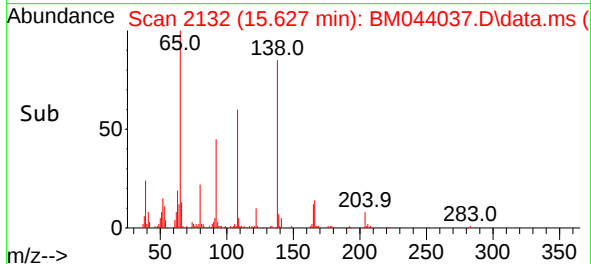
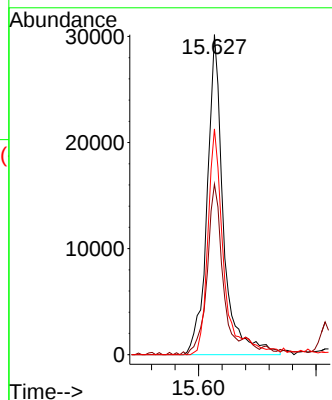
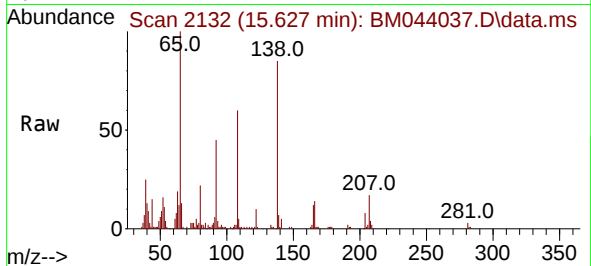




#62
4-Nitroaniline
Concen: 2.792 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

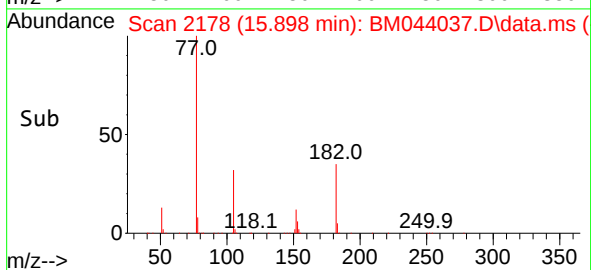
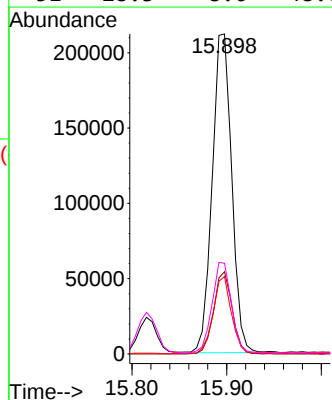
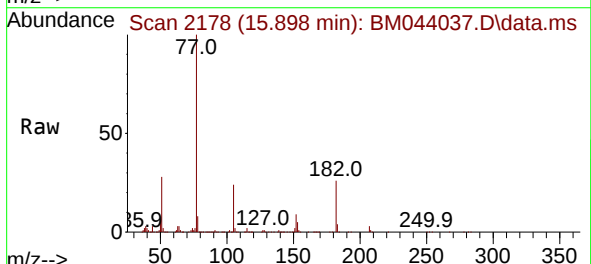
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

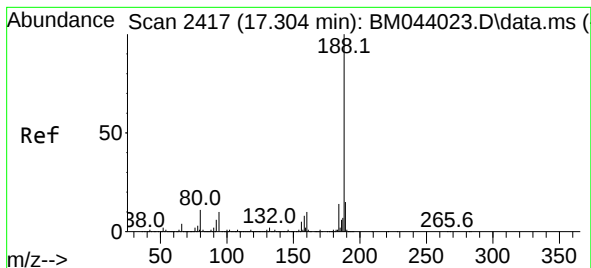
Tgt Ion:138 Resp: 58018
Ion Ratio Lower Upper
138 100
92 53.3 29.6 69.6
108 70.5 47.8 87.8



#63
Azobenzene
Concen: 3.590 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion: 77 Resp: 303027
Ion Ratio Lower Upper
77 100
182 25.7 4.0 44.0
105 24.2 3.3 43.3
51 28.3 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.303 min Scan# 241

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

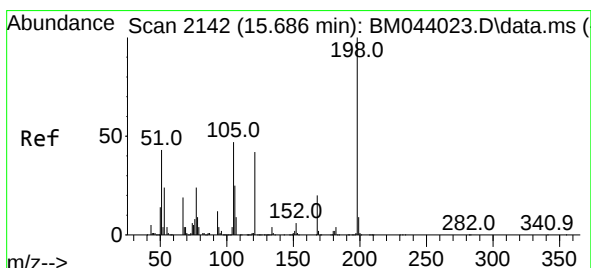
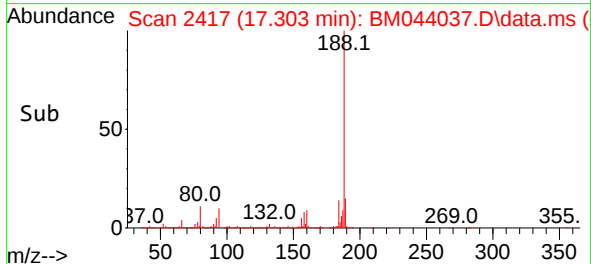
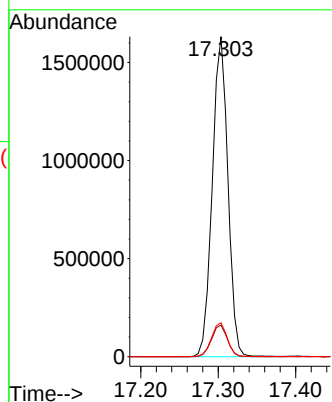
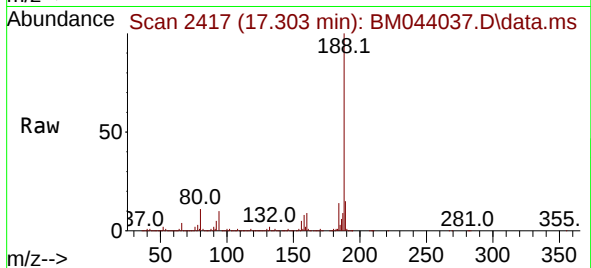
Tgt Ion:188 Resp: 2282572

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

80 10.6 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 2.195 ng

RT: 15.680 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

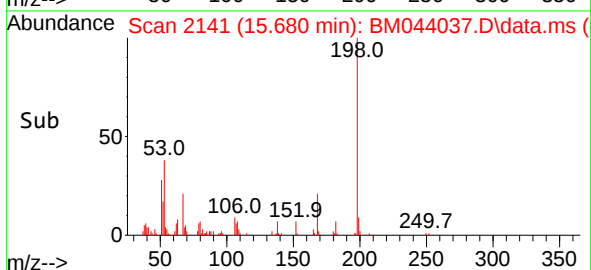
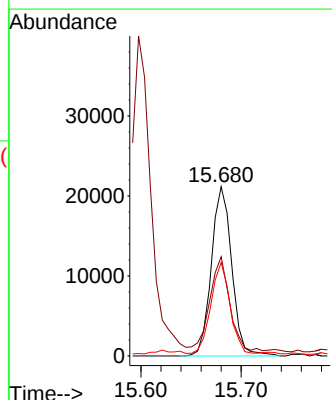
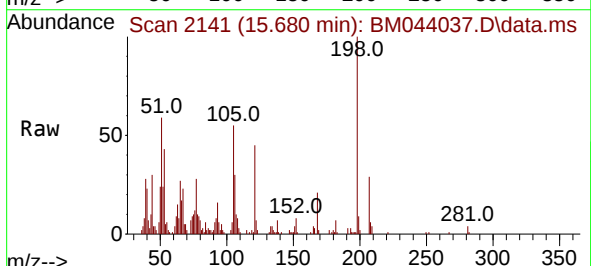
Tgt Ion:198 Resp: 29857

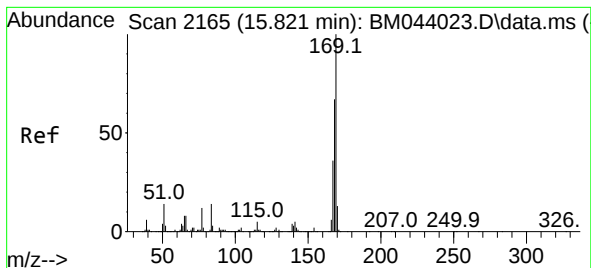
Ion Ratio Lower Upper

198 100

51 58.7 29.9 69.9

105 55.2 28.7 68.7





#66

n-Nitrosodiphenylamine

Concen: 3.844 ng

RT: 15.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044037.D

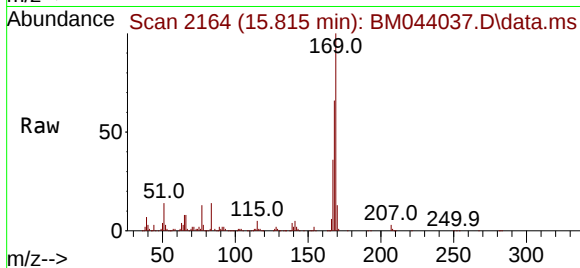
Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



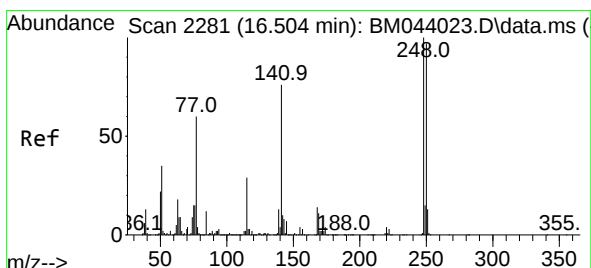
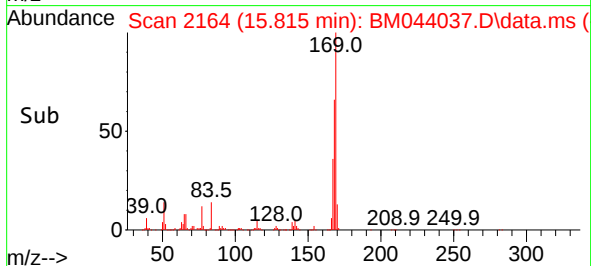
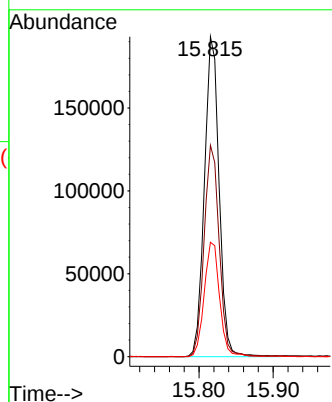
Tgt Ion:169 Resp: 266556

Ion Ratio Lower Upper

169 100

168 66.0 53.8 80.8

167 35.8 29.2 43.8



#67

4-Bromophenyl-phenylether

Concen: 3.439 ng

RT: 16.498 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

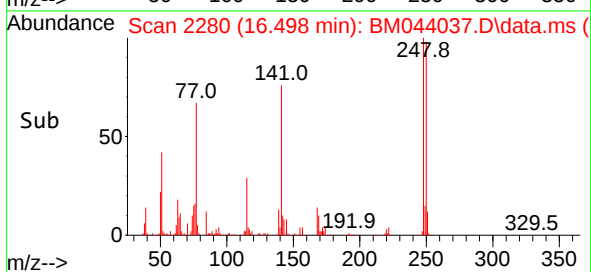
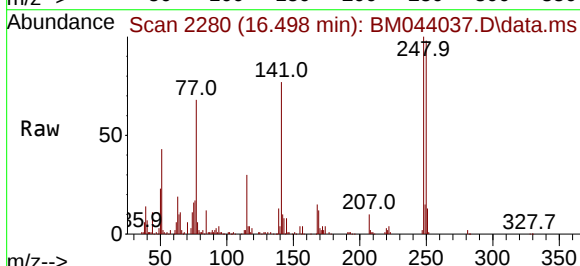
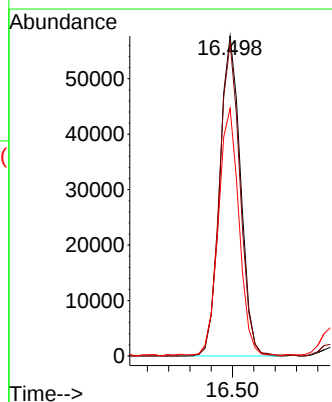
Tgt Ion:248 Resp: 77617

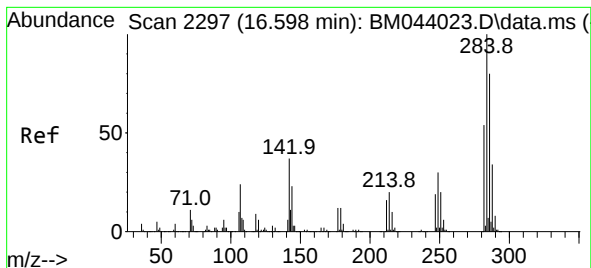
Ion Ratio Lower Upper

248 100

250 97.8 77.4 116.2

141 77.3 61.0 91.6





#68

Hexachlorobenzene

Concen: 3.756 ng

RT: 16.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

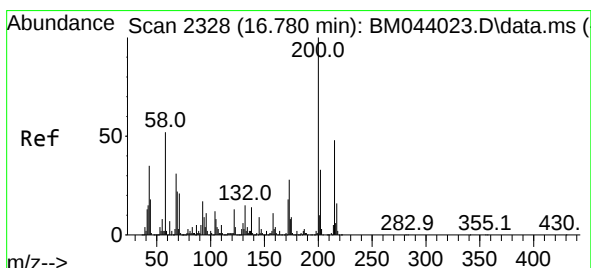
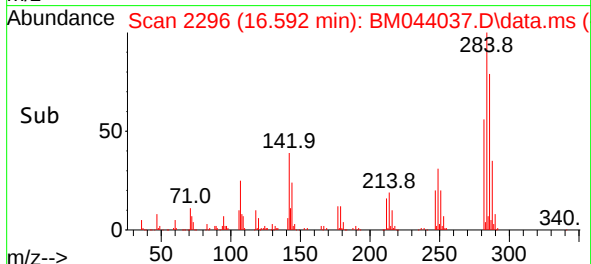
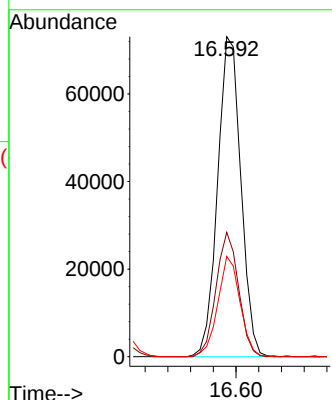
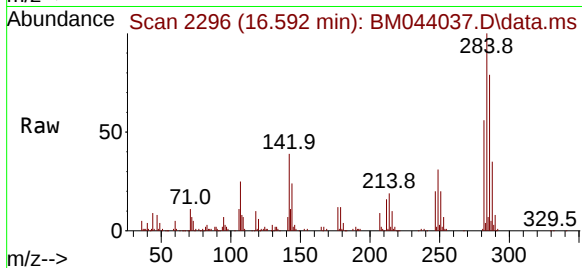
Tgt Ion:284 Resp: 103833

Ion Ratio Lower Upper

284 100

142 38.9 30.0 45.0

249 31.3 24.1 36.1



#69

Atrazine

Concen: 4.390 ng

RT: 16.774 min Scan# 2327

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

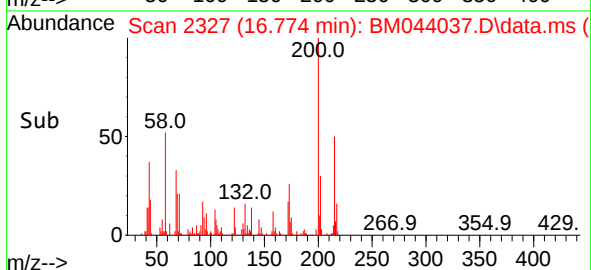
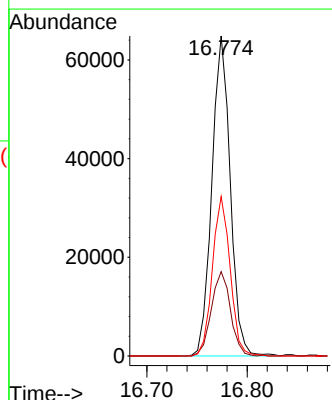
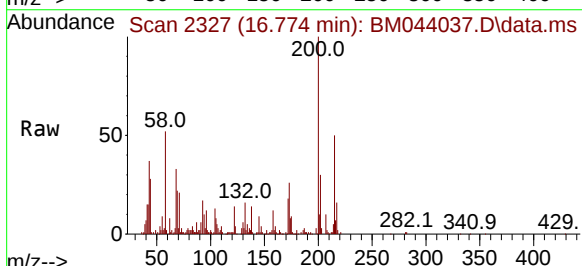
Tgt Ion:200 Resp: 82436

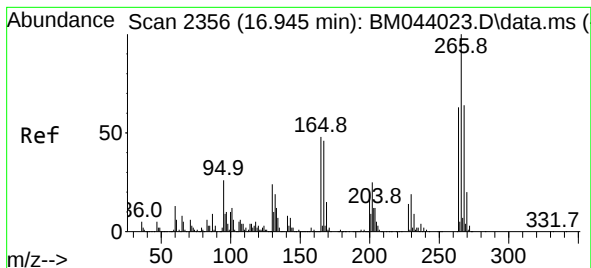
Ion Ratio Lower Upper

200 100

173 26.4 7.9 47.9

215 49.8 27.9 67.9





#70

Pentachlorophenol

Concen: 2.553 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM044037.D

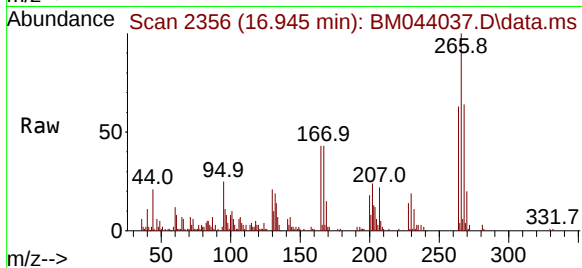
Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



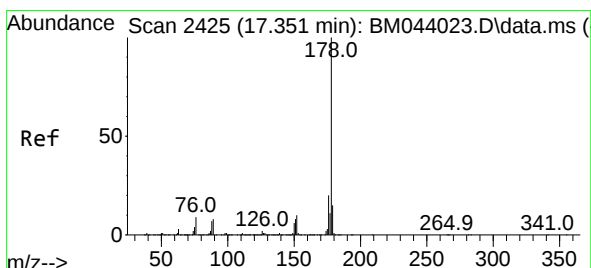
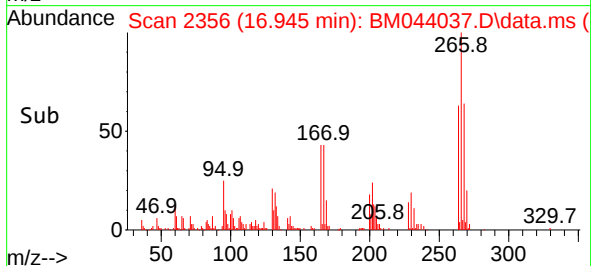
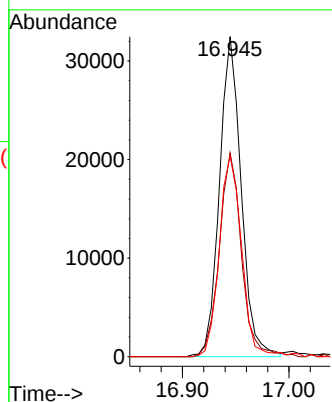
Tgt Ion:266 Resp: 45915

Ion Ratio Lower Upper

266 100

268 63.7 51.1 76.7

264 66.4 50.5 75.7



#71

Phenanthrene

Concen: 4.022 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

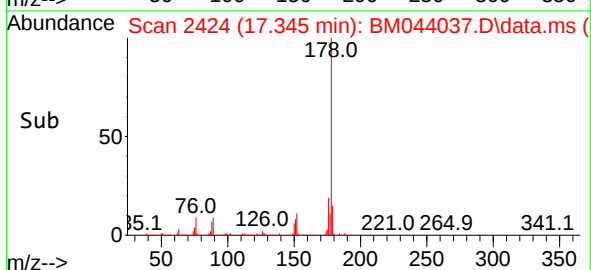
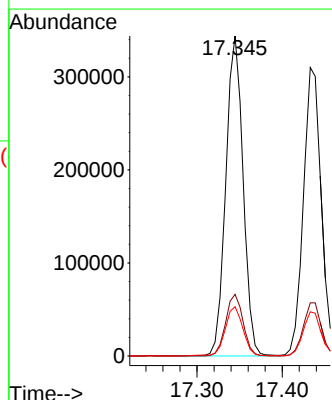
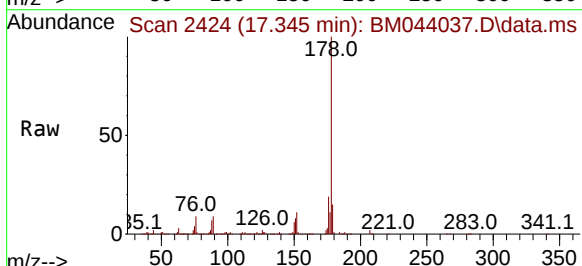
Tgt Ion:178 Resp: 484847

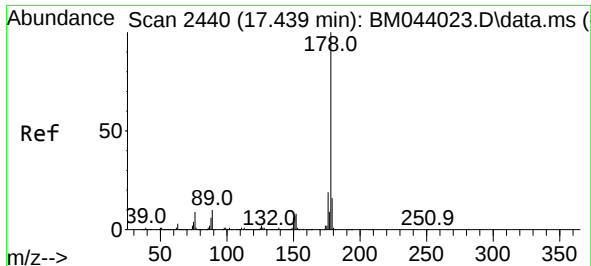
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 15.4 12.2 18.4

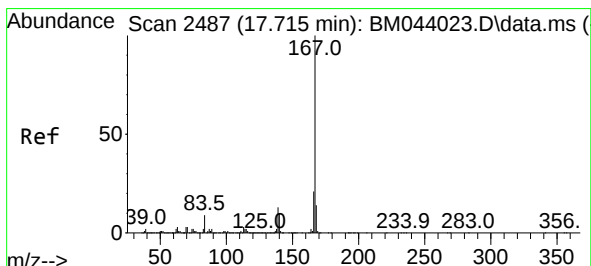
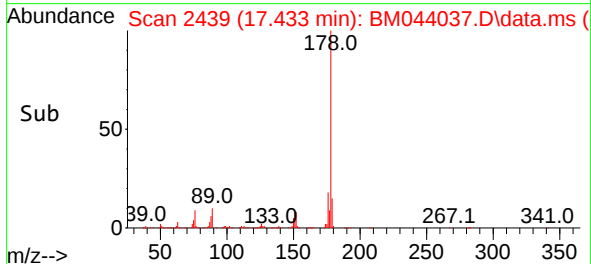
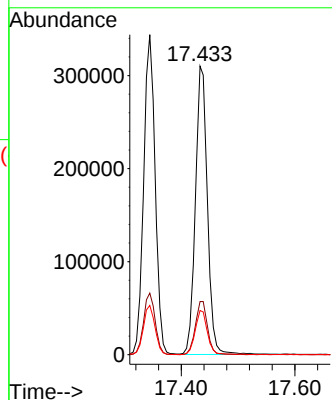
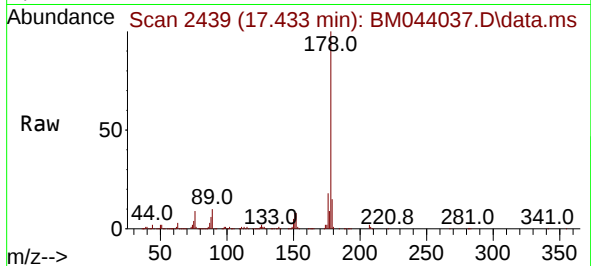




#72
 Anthracene
 Concen: 3.828 ng
 RT: 17.433 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

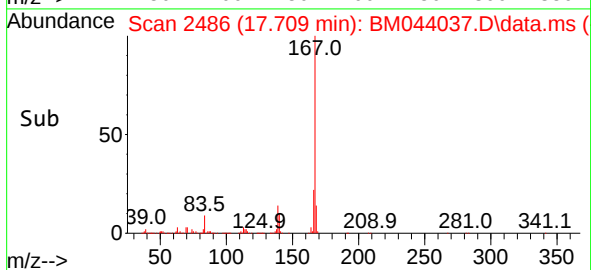
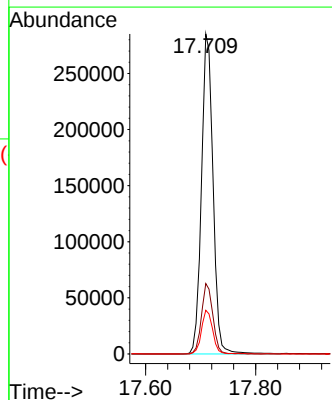
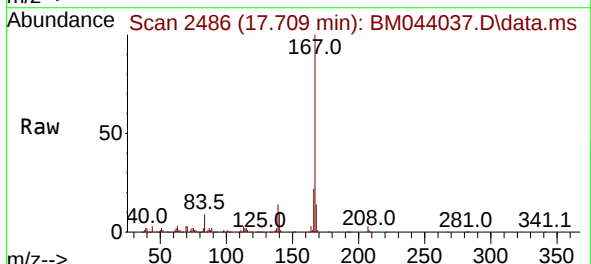
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

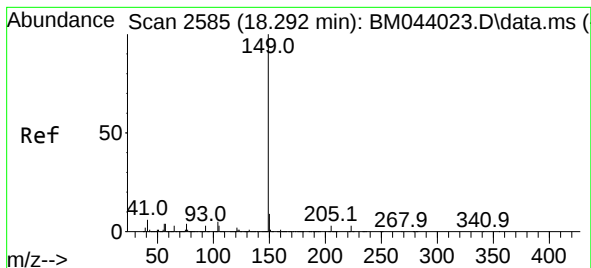
Tgt Ion:178 Resp: 456818
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.3 12.4 18.6



#73
 Carbazole
 Concen: 3.602 ng
 RT: 17.709 min Scan# 2486
 Delta R.T. -0.006 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

Tgt Ion:167 Resp: 418047
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.8 25.2
 139 13.7 10.4 15.6





#74

Di-n-butylphthalate

Concen: 3.285 ng

RT: 18.292 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

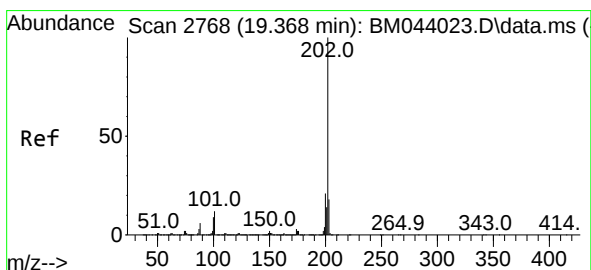
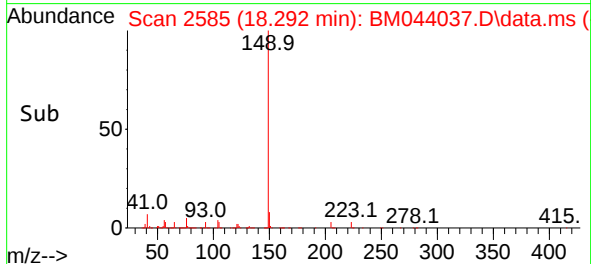
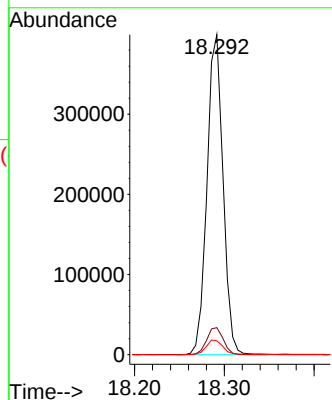
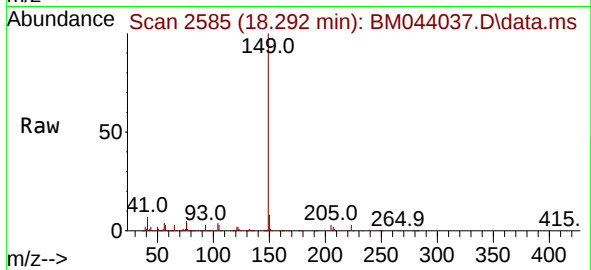
Tgt Ion:149 Resp: 495592

Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.2

104 4.3 3.8 5.6



#75

Fluoranthene

Concen: 3.646 ng

RT: 19.362 min Scan# 2767

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

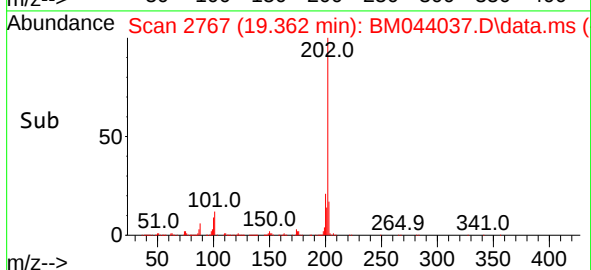
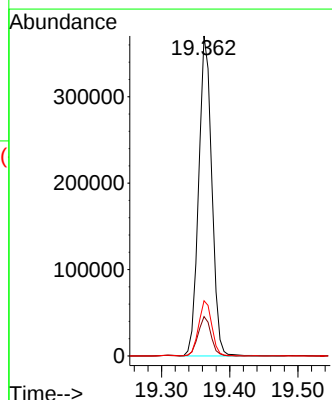
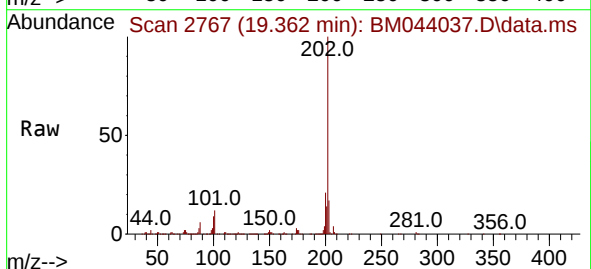
Tgt Ion:202 Resp: 493723

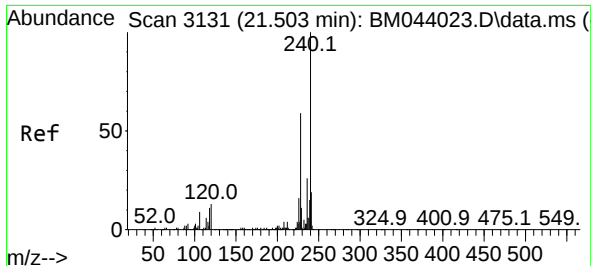
Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

203 17.2 0.0 37.8

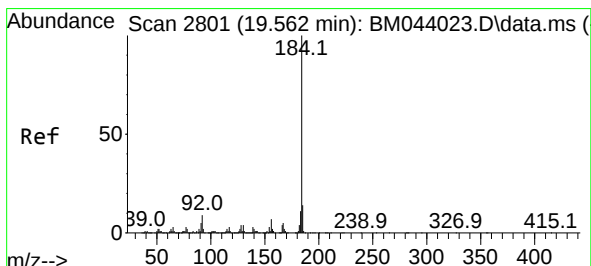
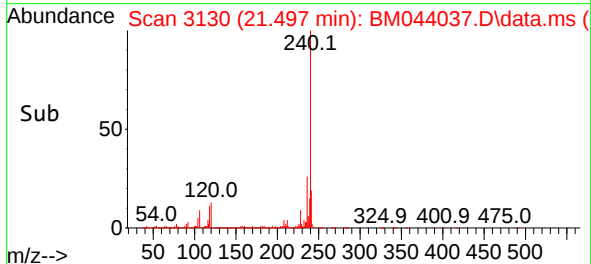
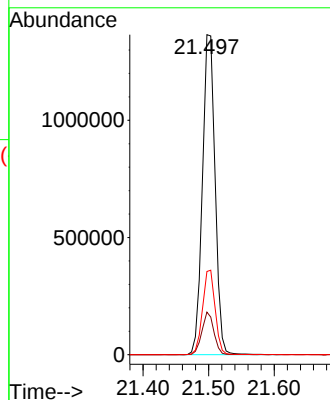
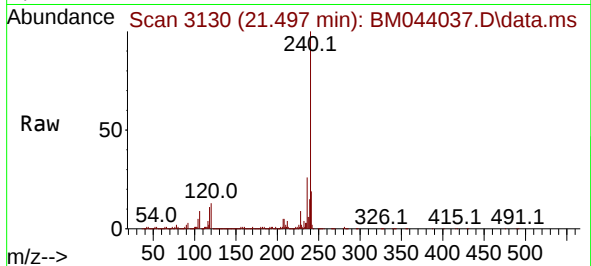




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

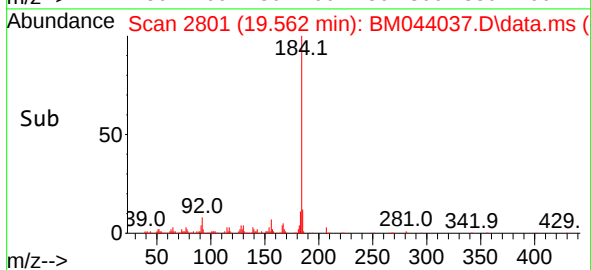
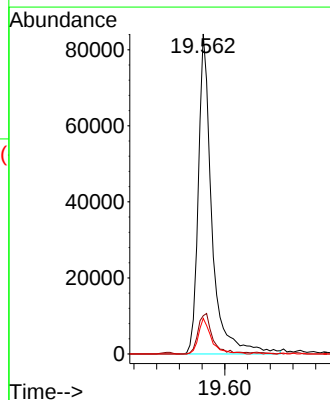
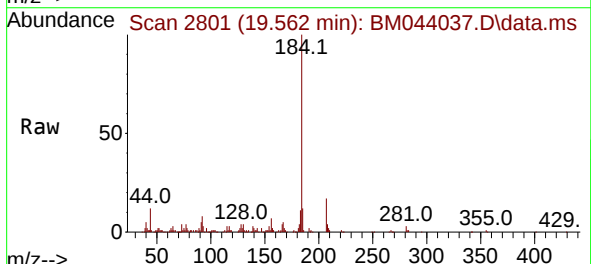
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

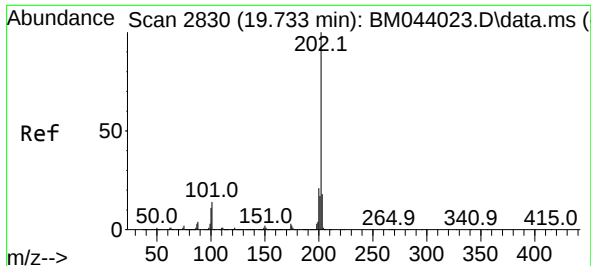
Tgt Ion:240 Resp: 1843344
Ion Ratio Lower Upper
240 100
120 13.3 10.1 15.1
236 26.0 20.6 31.0



#77
Benzidine
Concen: 4.890 ng
RT: 19.562 min Scan# 2801
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:184 Resp: 140093
Ion Ratio Lower Upper
184 100
185 12.0 11.0 16.6
183 11.1 9.0 13.4

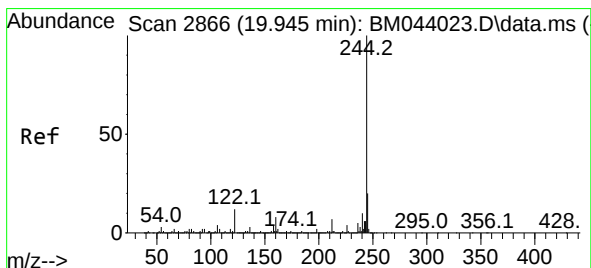
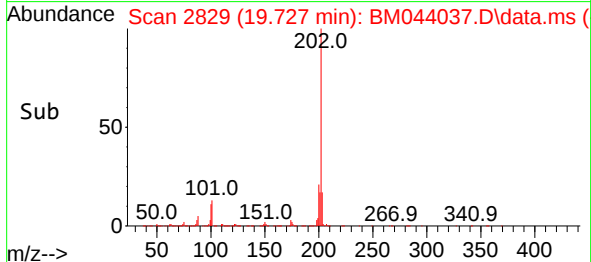
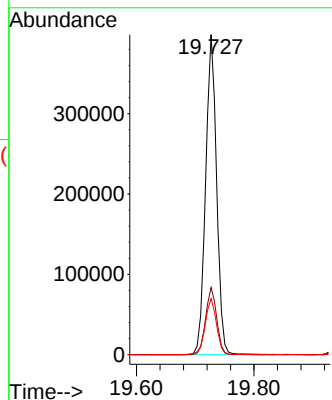
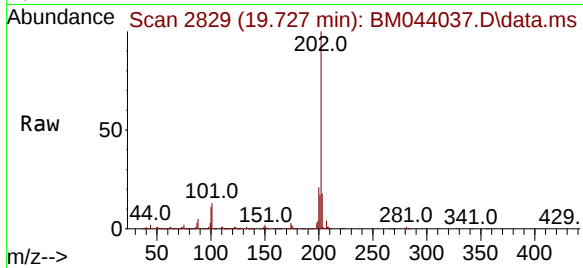




#78
 Pyrene
 Concen: 3.634 ng
 RT: 19.727 min Scan# 2829
 Delta R.T. -0.006 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

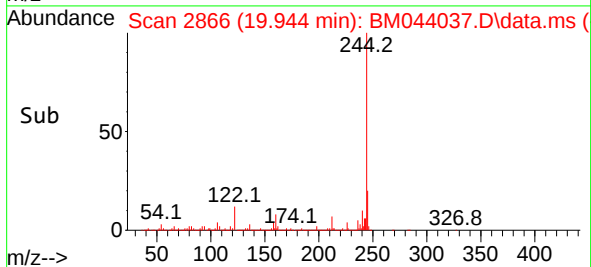
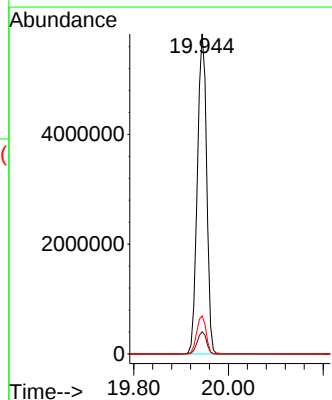
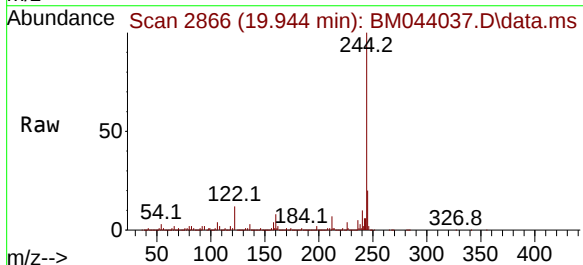
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

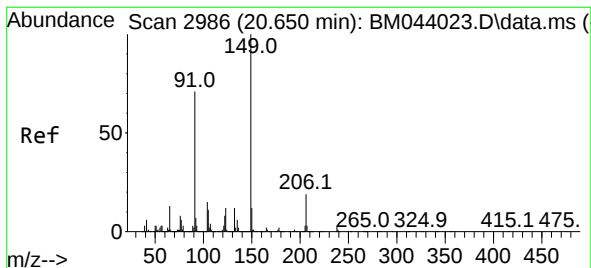
Tgt Ion:202 Resp: 515956
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.8 25.2
 203 17.5 14.0 21.0



#79
 Terphenyl-d14
 Concen: 75.419 ng
 RT: 19.944 min Scan# 2866
 Delta R.T. -0.000 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

Tgt Ion:244 Resp: 7930389
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 11.9 9.5 14.3





#80

Butylbenzylphthalate

Concen: 2.873 ng

RT: 20.650 min Scan# 2986

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

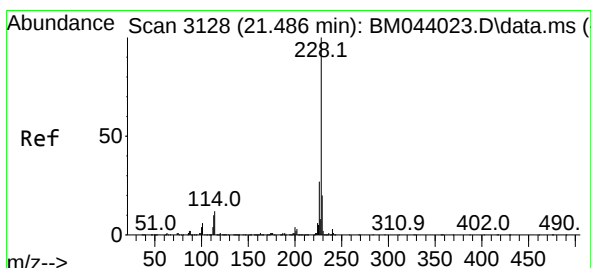
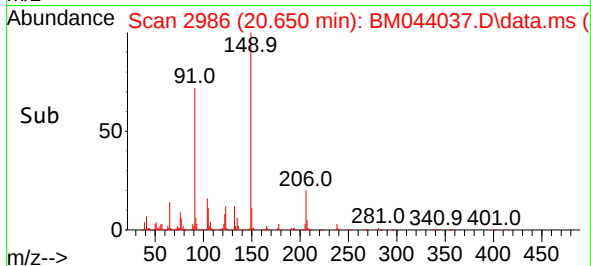
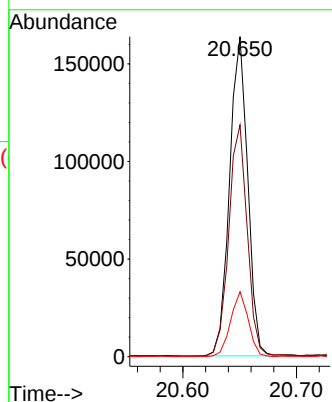
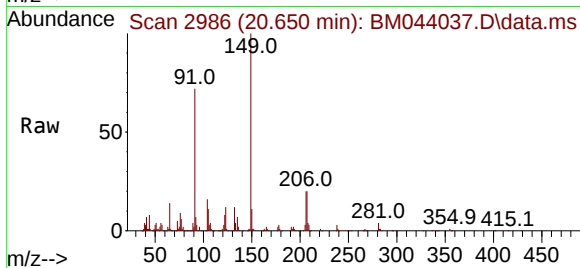
Tgt Ion:149 Resp: 181295

Ion Ratio Lower Upper

149 100

91 72.4 56.8 85.2

206 20.3 15.0 22.6



#81

Benzo(a)anthracene

Concen: 3.782 ng

RT: 21.486 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

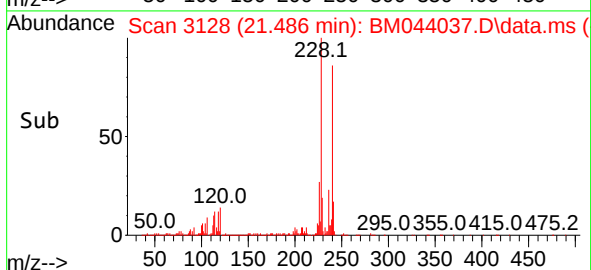
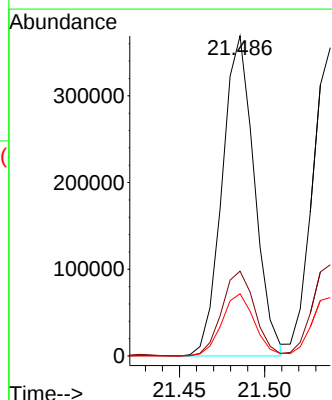
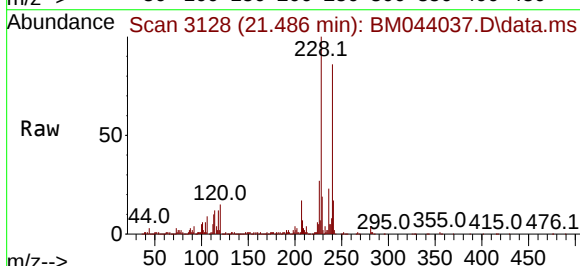
Tgt Ion:228 Resp: 484974

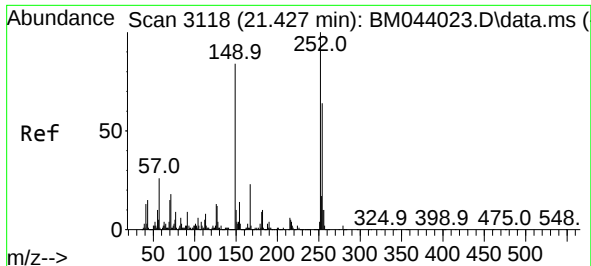
Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.5 15.9 23.9

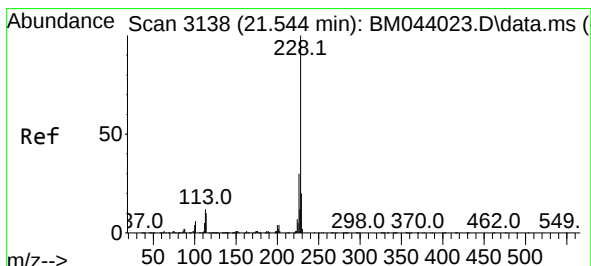
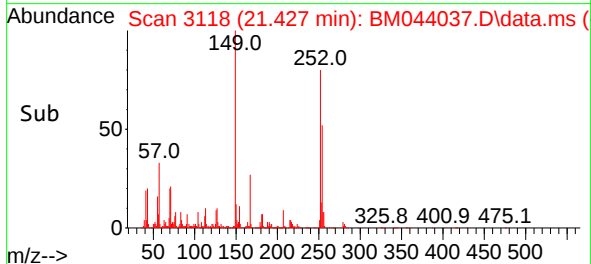
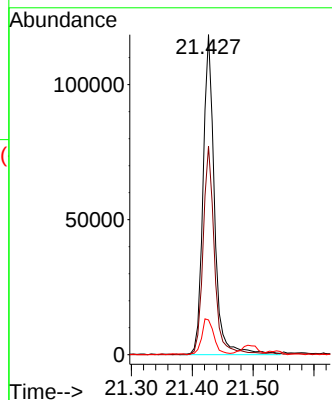
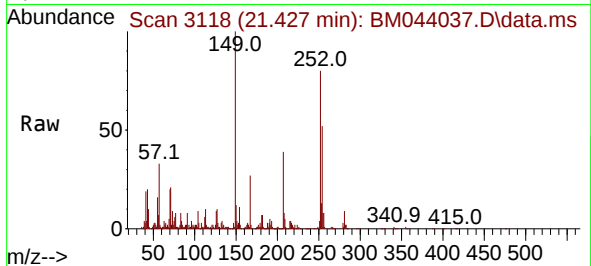




#82
3,3'-Dichlorobenzidine
Concen: 3.690 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

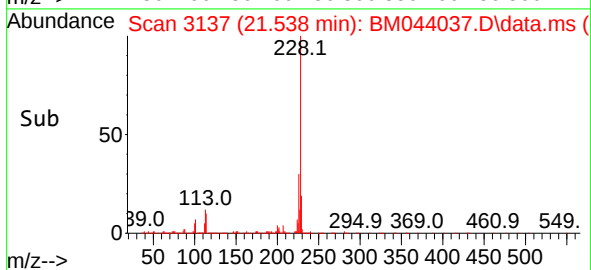
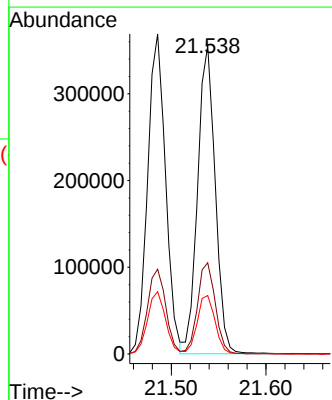
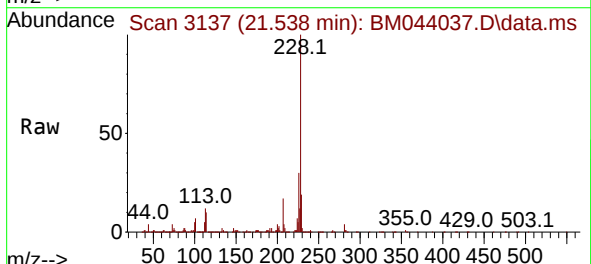
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

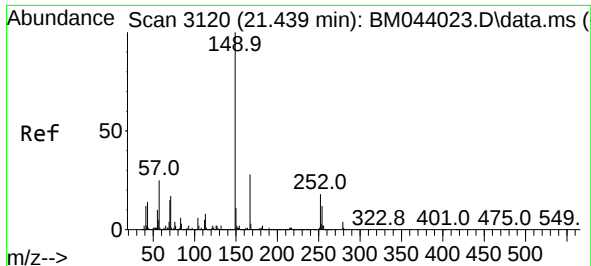
Tgt Ion:252 Resp: 155223
Ion Ratio Lower Upper
252 100
254 65.1 51.2 76.8
126 10.9 10.2 15.4



#83
Chrysene
Concen: 3.784 ng
RT: 21.538 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:228 Resp: 458399
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 19.0 15.8 23.8

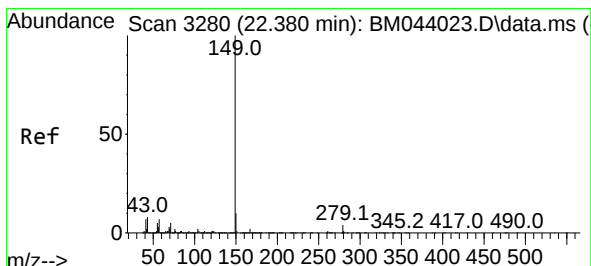
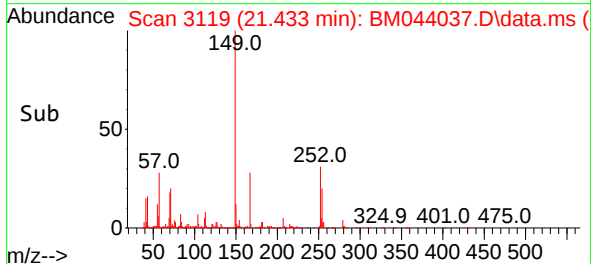
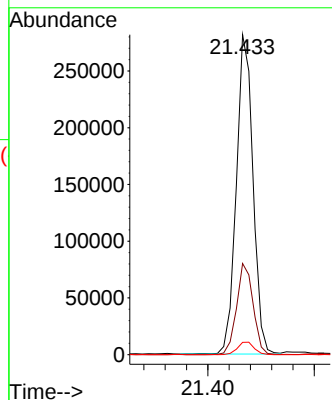
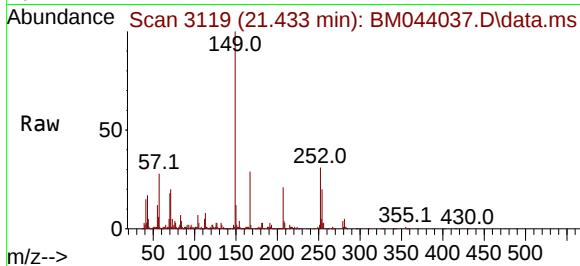




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.293 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

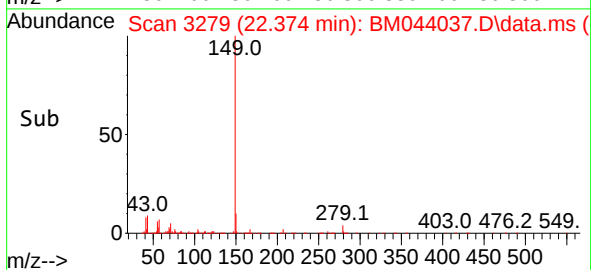
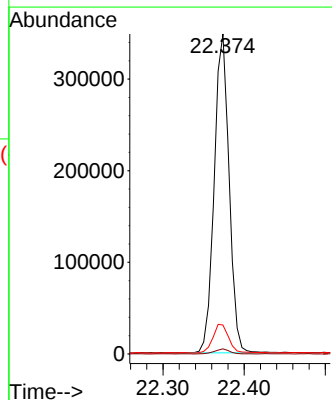
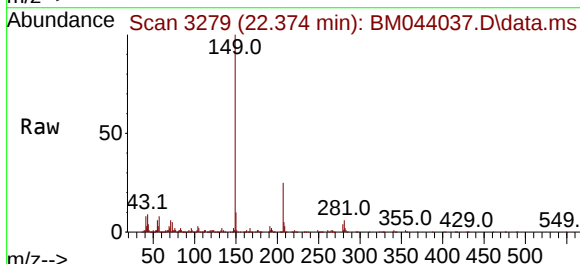
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

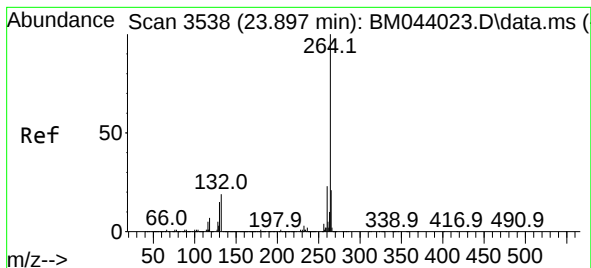
Tgt Ion:149 Resp: 306639
Ion Ratio Lower Upper
149 100
167 28.5 22.6 33.8
279 3.8 3.1 4.7



#85
Di-n-octyl phthalate
Concen: 2.730 ng
RT: 22.374 min Scan# 3279
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:149 Resp: 443975
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.6 7.0 10.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.897 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

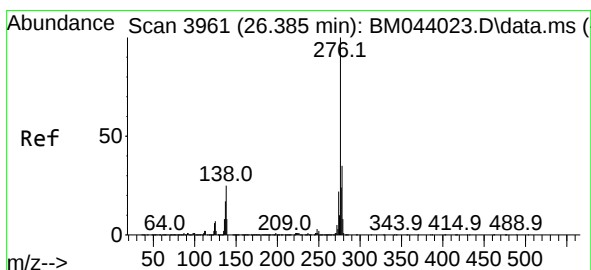
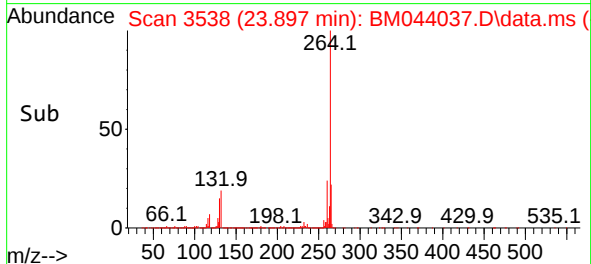
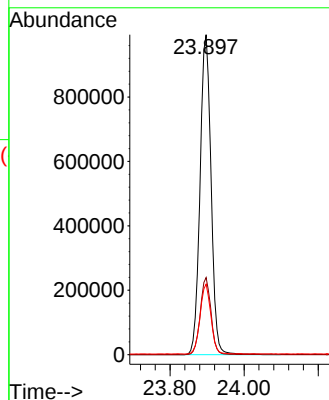
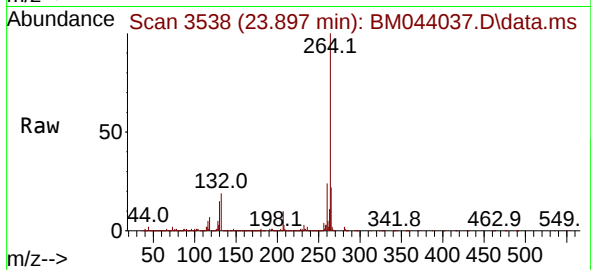
Tgt Ion:264 Resp: 2046571

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.0 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.580 ng

RT: 26.373 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

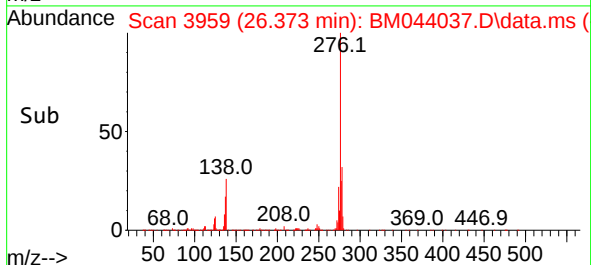
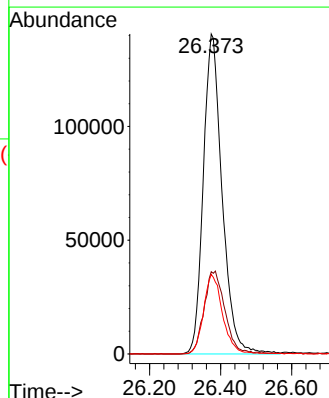
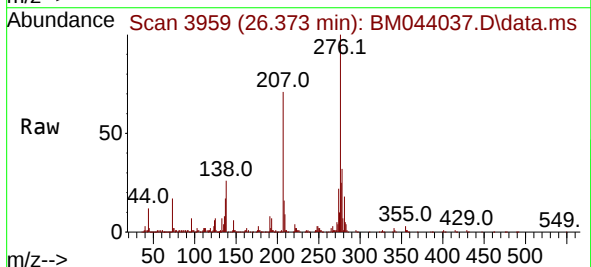
Tgt Ion:276 Resp: 518534

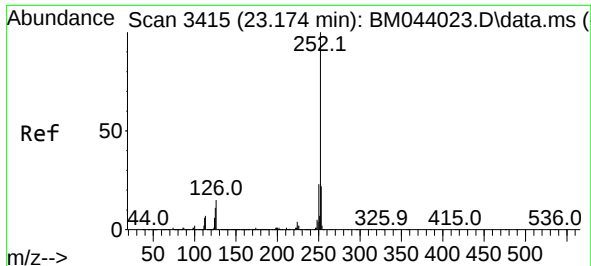
Ion Ratio Lower Upper

276 100

138 28.6 22.6 34.0

277 25.1 20.2 30.2

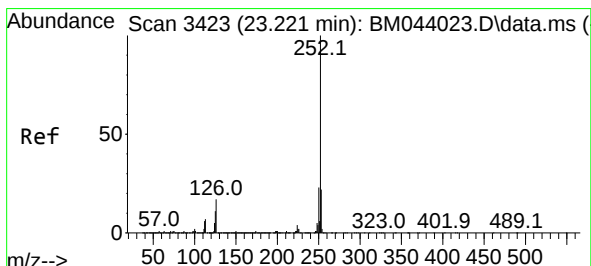
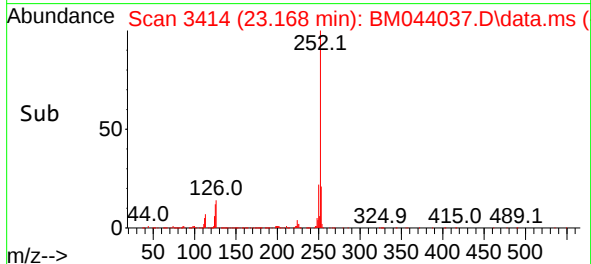
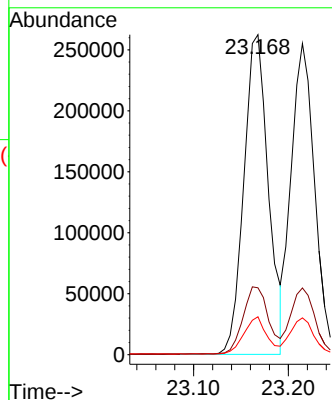
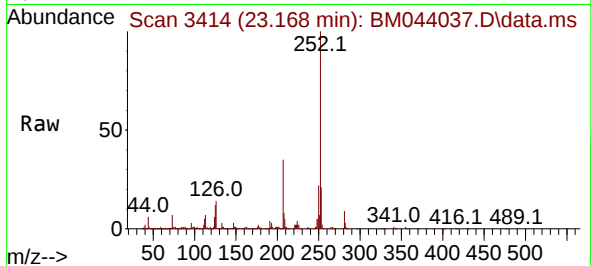




#88
Benzo(b)fluoranthene
Concen: 3.692 ng
RT: 23.168 min Scan# 3414
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

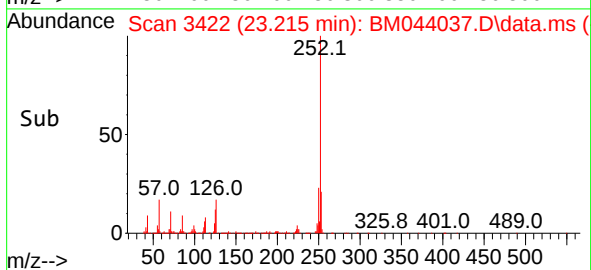
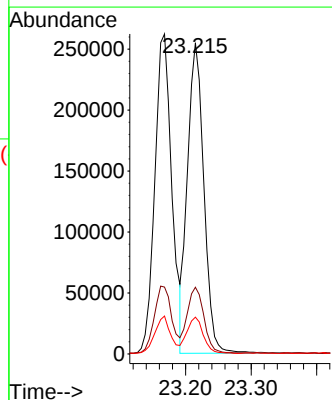
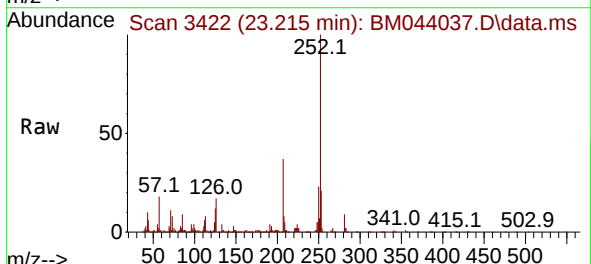
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

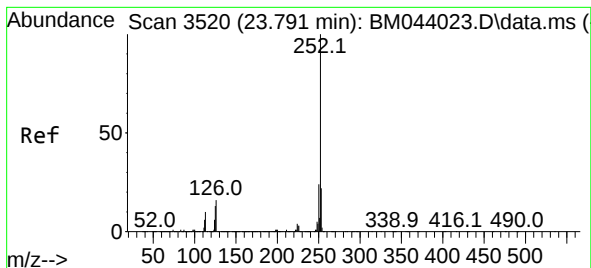
Tgt Ion:252 Resp: 472299
Ion Ratio Lower Upper
252 100
253 20.9 17.6 26.4
125 11.8 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 3.634 ng
RT: 23.215 min Scan# 3422
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:252 Resp: 441737
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 11.8 9.0 13.4





#90

Benzo(a)pyrene

Concen: 3.456 ng

RT: 23.785 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

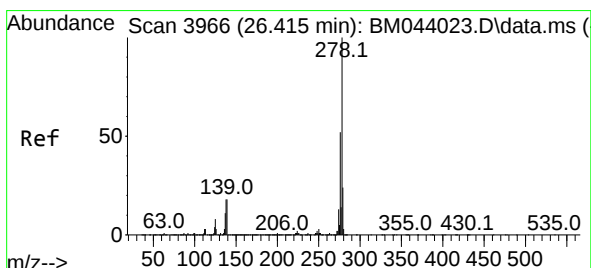
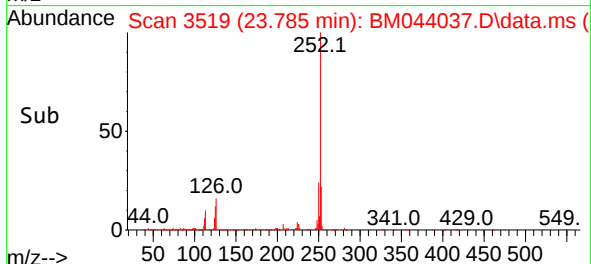
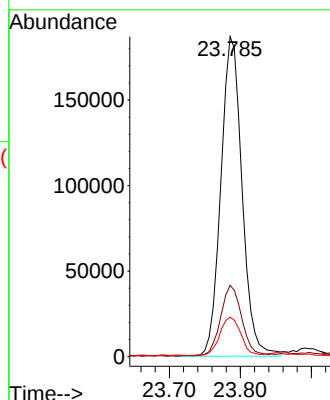
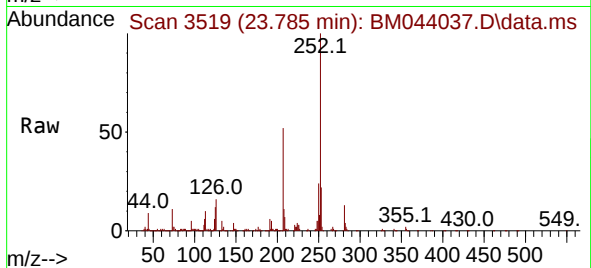
Tgt Ion:252 Resp: 386138

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.3 10.1 15.1



#91

Dibenzo(a,h)anthracene

Concen: 3.646 ng

RT: 26.403 min Scan# 3964

Delta R.T. -0.012 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

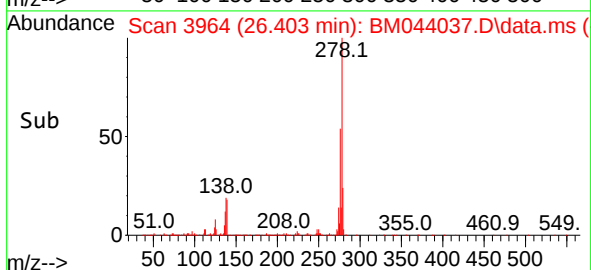
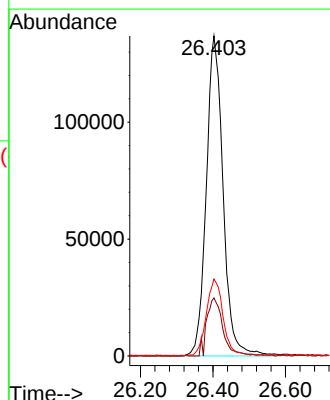
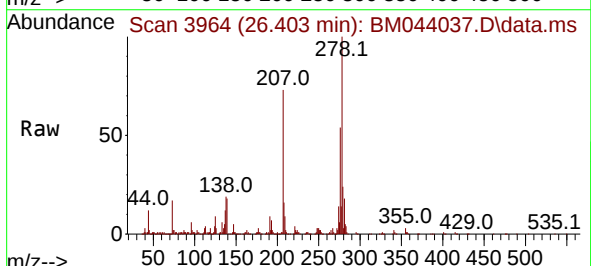
Tgt Ion:278 Resp: 441775

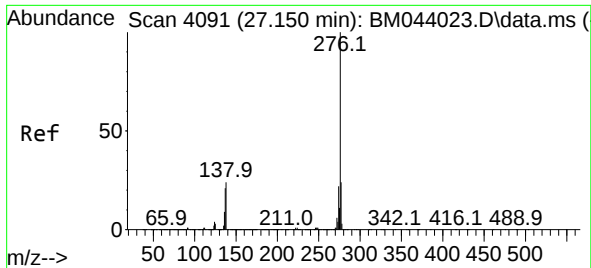
Ion Ratio Lower Upper

278 100

139 18.2 14.5 21.7

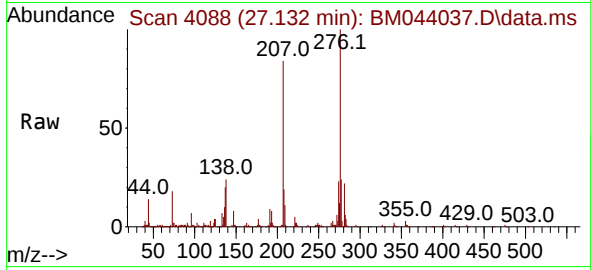
279 24.0 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.426 ng
 RT: 27.132 min Scan# 4091
 Delta R.T. -0.018 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

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



Tgt Ion:	276	Resp:	420955
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.0	28.4
138	24.0	19.1	28.7

