

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	119376	5.707	ng	97
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
32) Benzoic acid	9.945	122	38232	1.648	ng	98
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

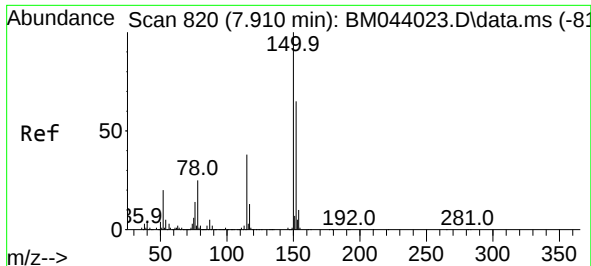
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.051	196	81313	3.190	ng	96
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

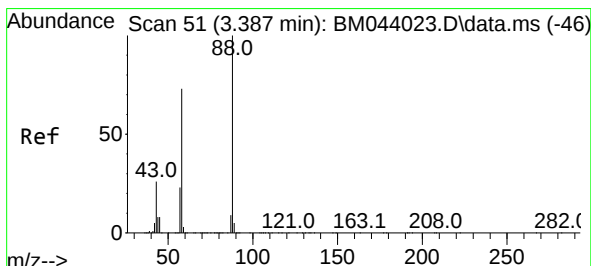
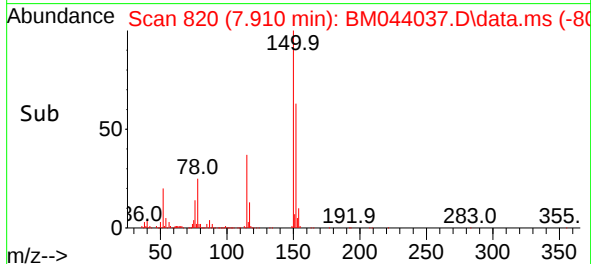
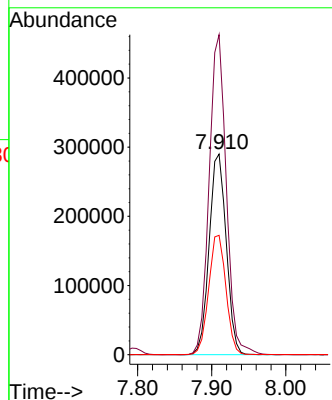
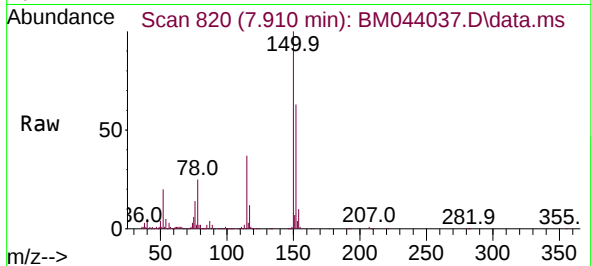
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.910 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

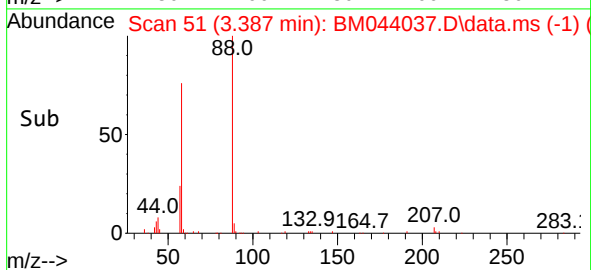
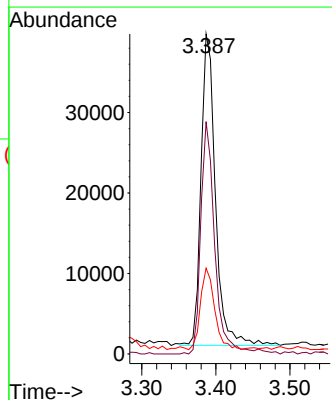
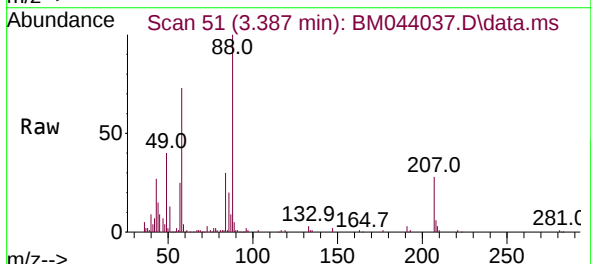
Instrument :
 BNA_M
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 LOD-MDL-SOIL-01-QT4-2023

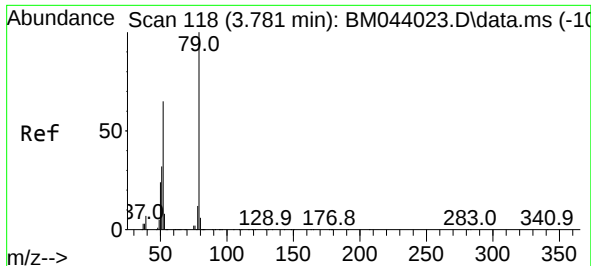
Tgt Ion:152 Resp: 465263
 Ion Ratio Lower Upper
 152 100
 150 159.5 122.7 184.1
 115 59.5 47.0 70.6



#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

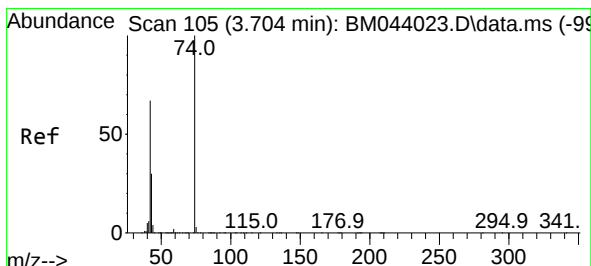
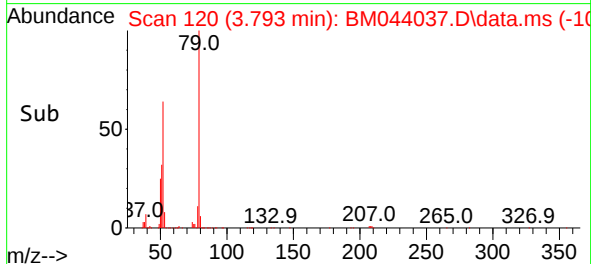
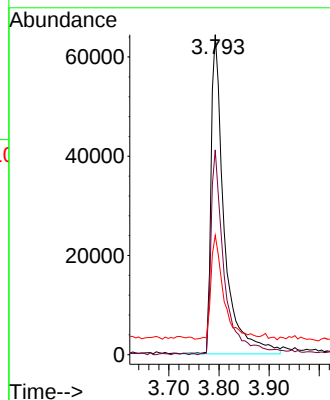
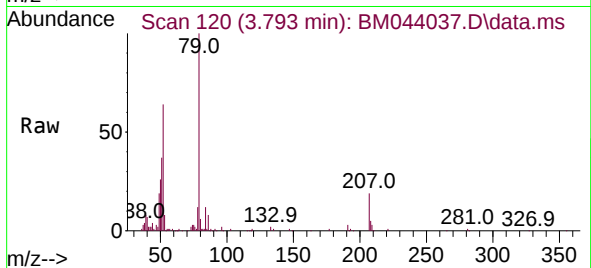




#3
Pyridine
Concen: 3.518 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

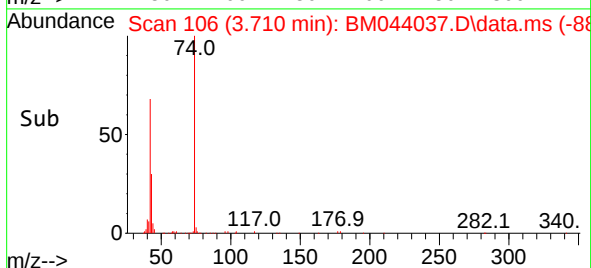
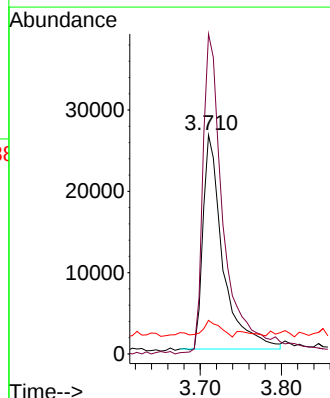
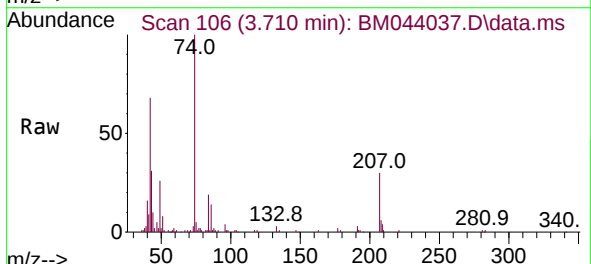
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

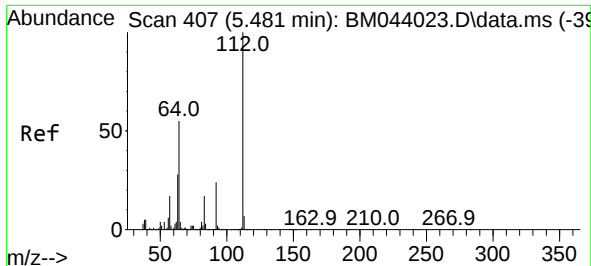
Tgt Ion: 79 Resp: 117922
Ion Ratio Lower Upper
79 100
52 64.0 52.2 78.2
51 37.3 26.2 39.4



#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

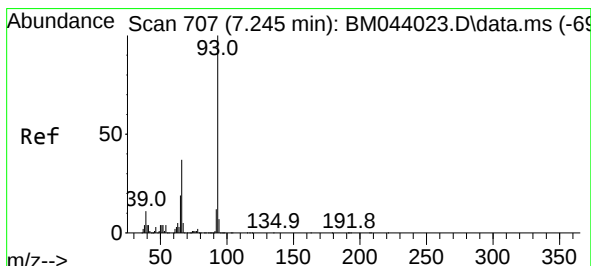
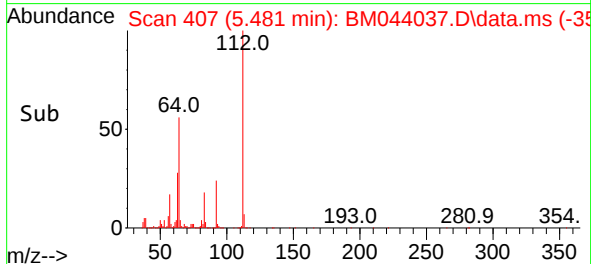
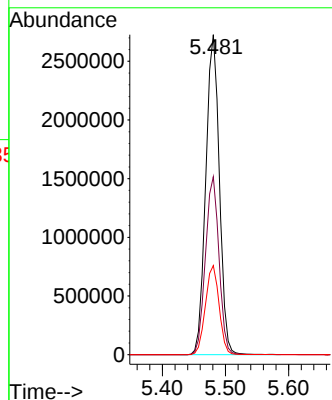
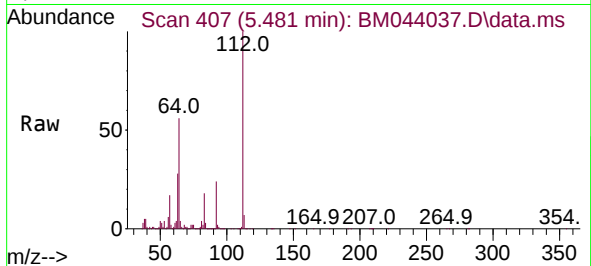




#5
2-Fluorophenol
Concen: 127.722 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

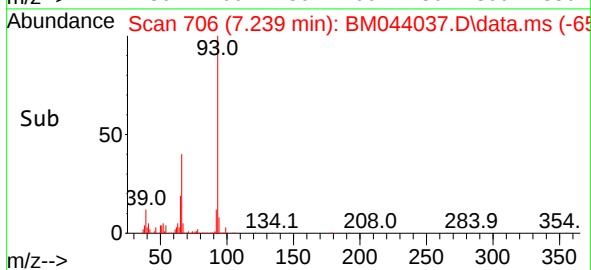
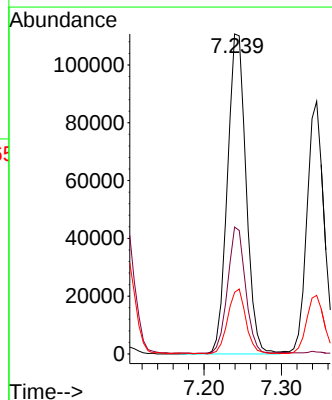
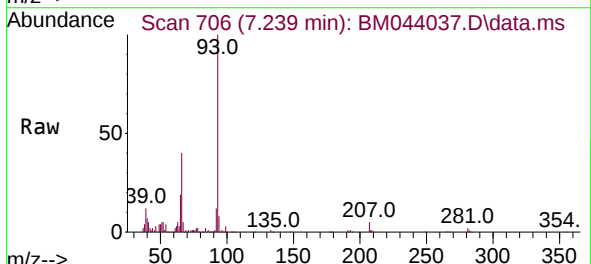
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

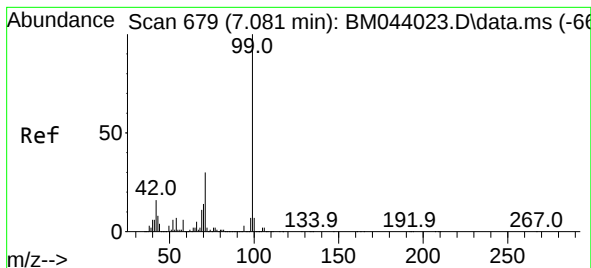
Tgt Ion:112 Resp: 4085747
Ion Ratio Lower Upper
112 100
64 55.6 44.2 66.4
63 27.9 22.6 34.0



#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# 6

Delta R.T. -0.000 min

Lab File: BM044037.D

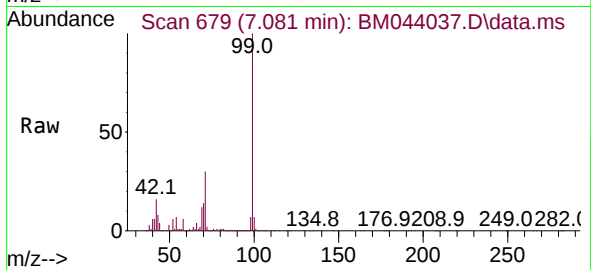
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Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



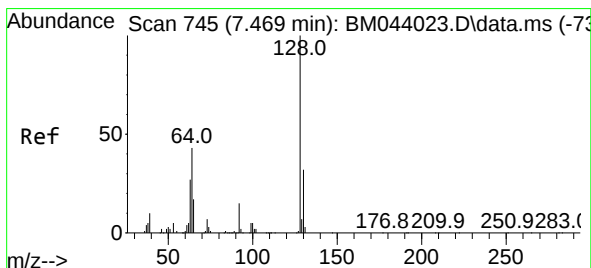
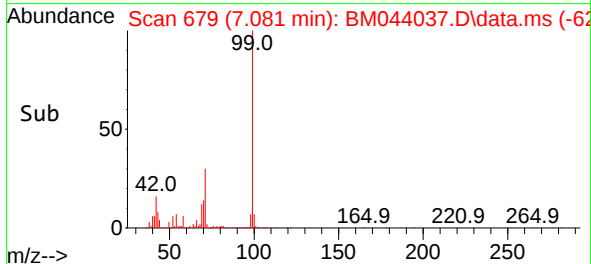
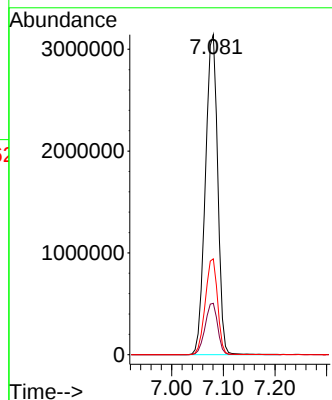
Tgt Ion: 99 Resp: 5222604

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

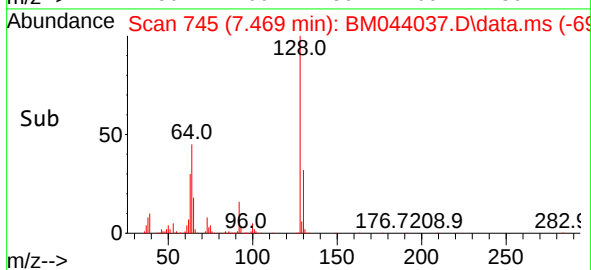
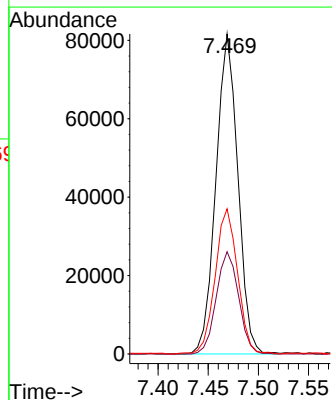
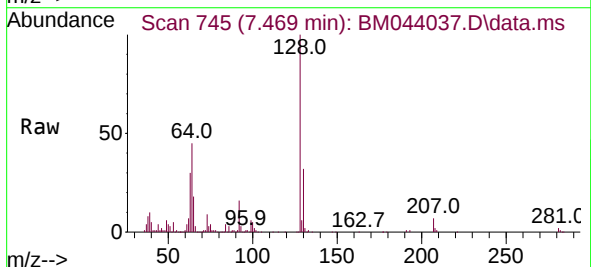
Tgt Ion:128 Resp: 124202

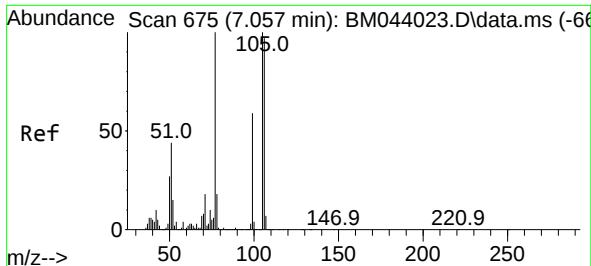
Ion Ratio Lower Upper

128 100

130 32.0 12.1 52.1

64 45.4 26.0 66.0

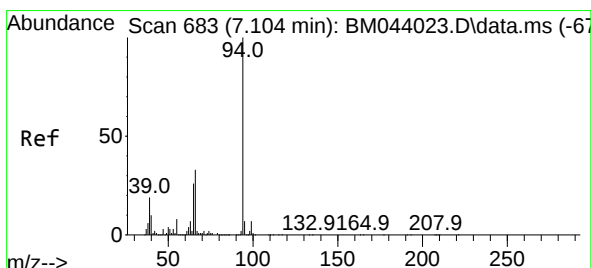
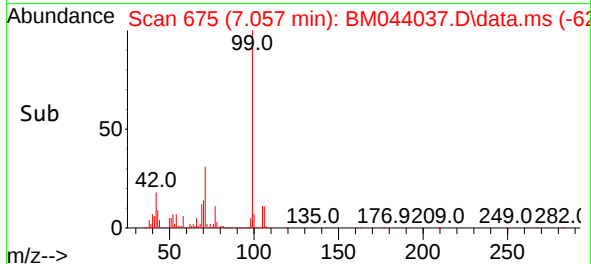
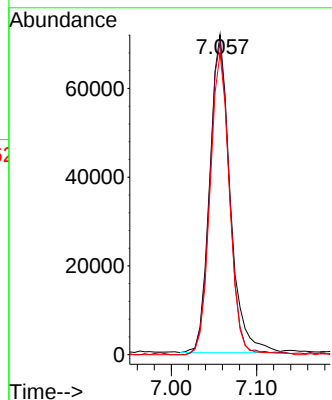
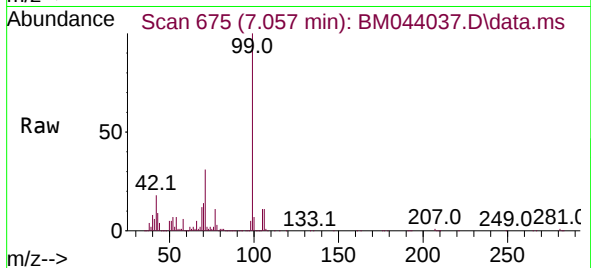




#9
Benzaldehyde
Concen: 5.707 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

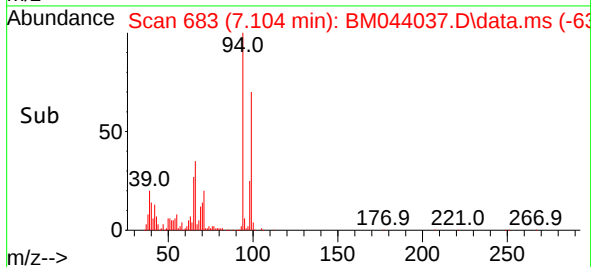
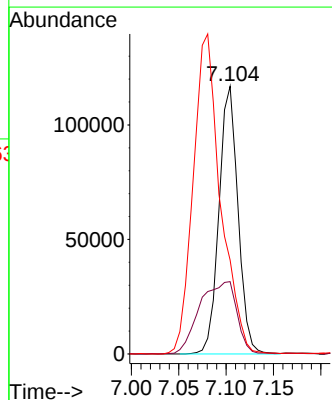
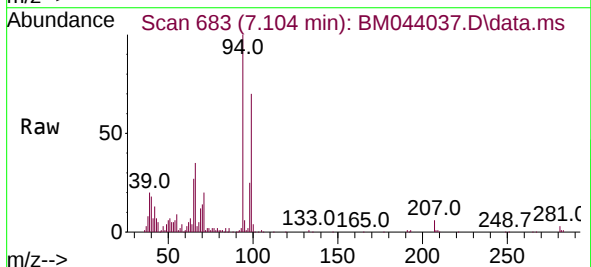
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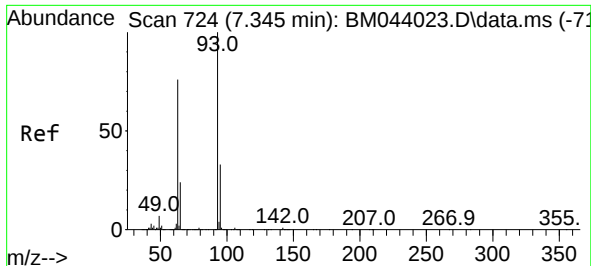
Tgt Ion: 77 Resp: 119376
Ion Ratio Lower Upper
77 100
105 97.5 80.0 120.0
106 94.2 76.8 116.8



#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

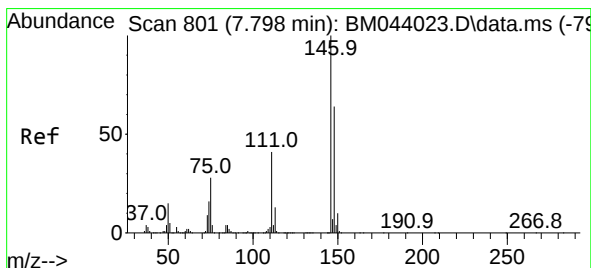
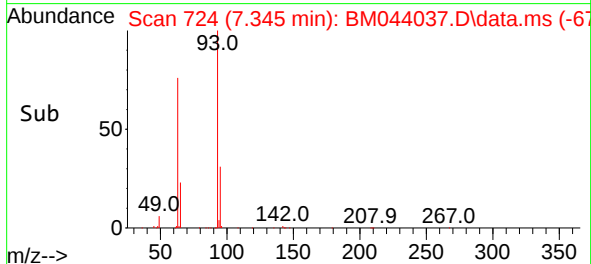
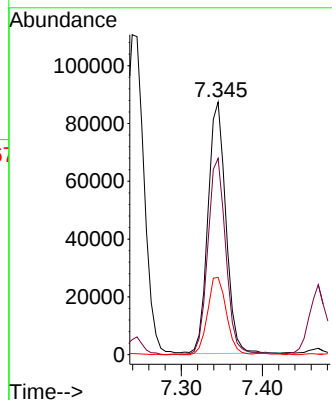
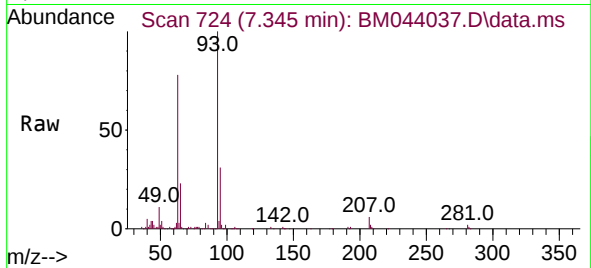




#11
bis(2-Chloroethyl)ether
Concen: 3.903 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

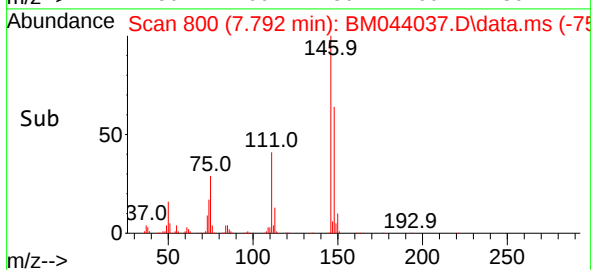
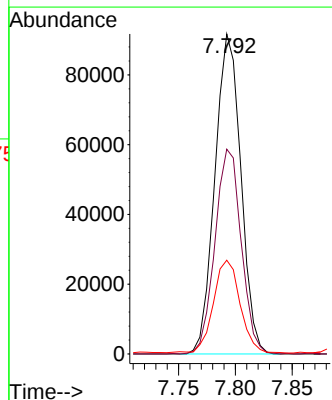
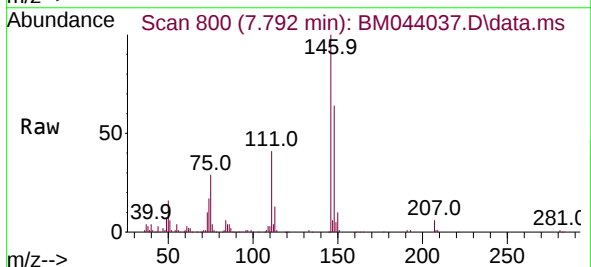
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

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

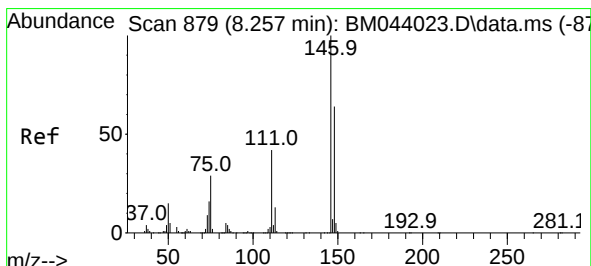
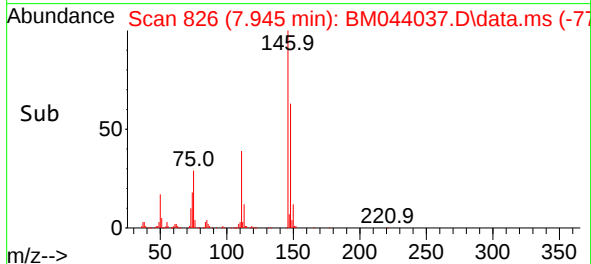
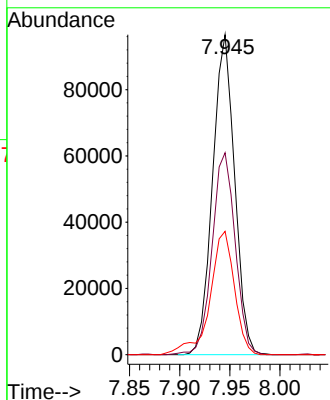
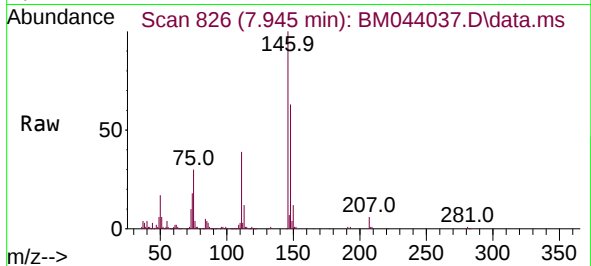




#13
1,4-Dichlorobenzene
Concen: 3.857 ng
RT: 7.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

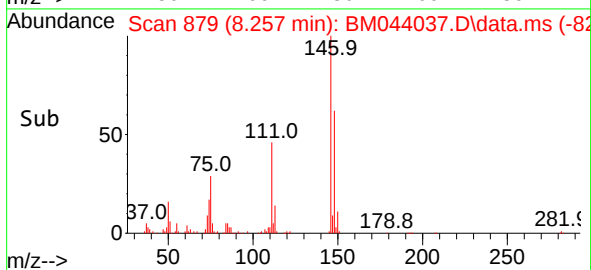
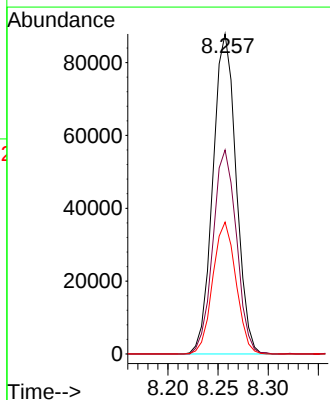
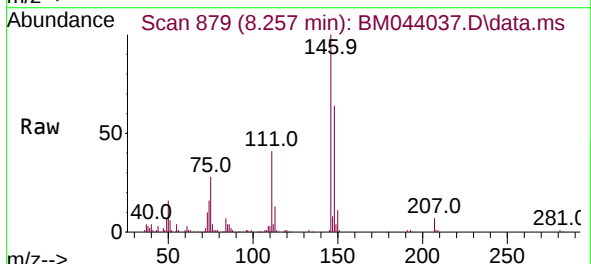
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

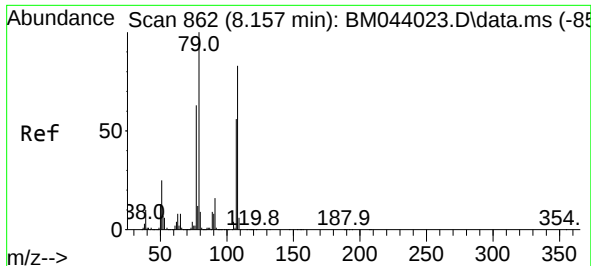
Tgt Ion:146 Resp: 147460
Ion Ratio Lower Upper
146 100
148 63.1 51.2 76.8
111 38.5 31.2 46.8



#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

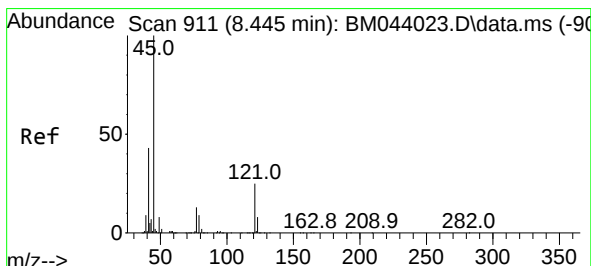
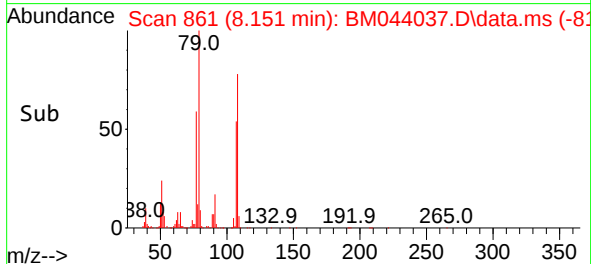
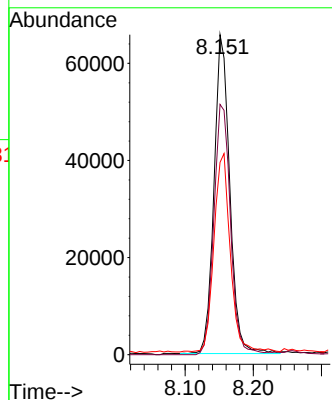
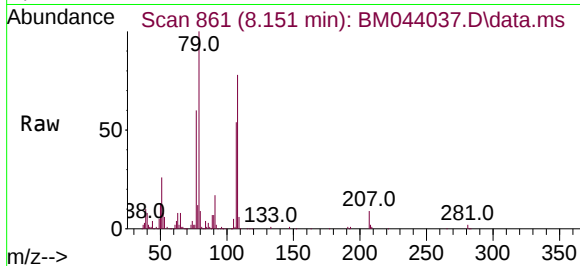




#15
Benzyl Alcohol
Concen: 3.980 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

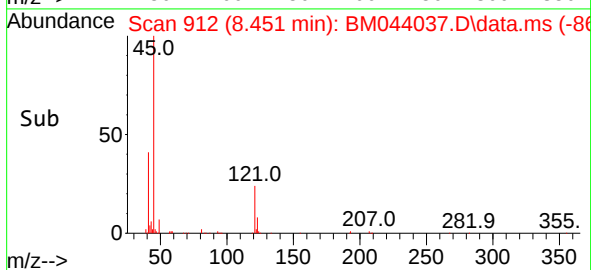
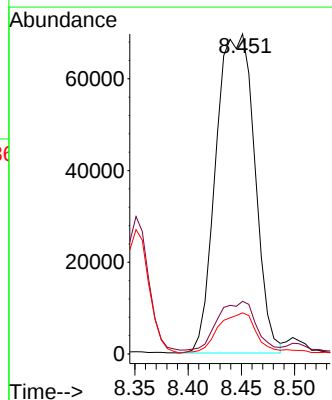
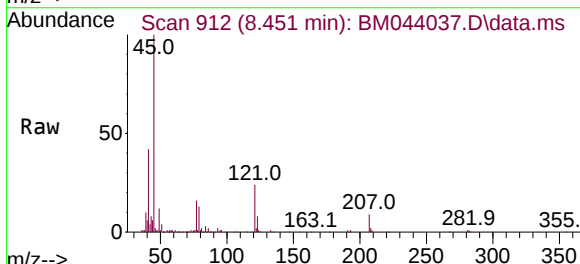
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

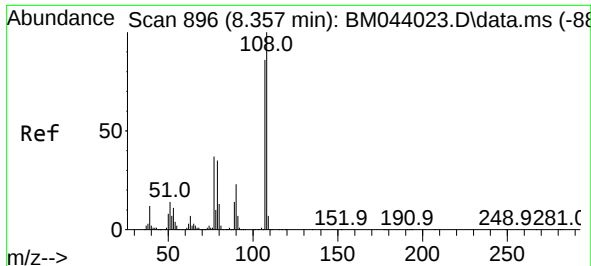
Tgt Ion: 79 Resp: 105476
Ion Ratio Lower Upper
79 100
108 78.2 66.0 99.0
77 60.1 50.4 75.6



#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

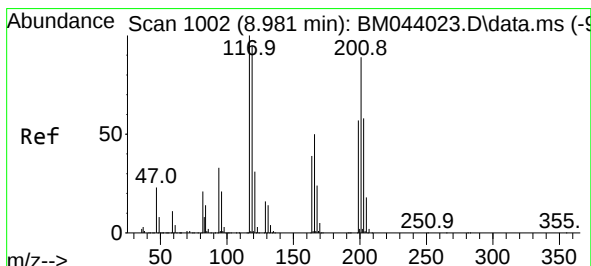
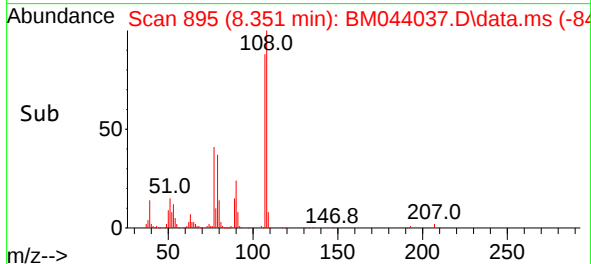
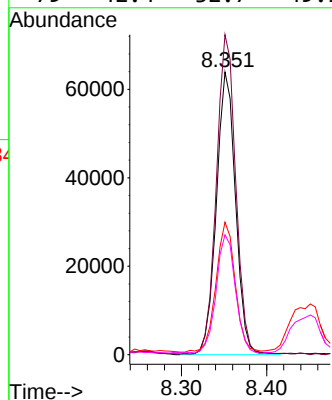
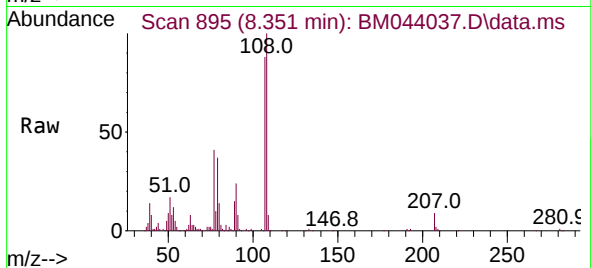




#17
2-Methylphenol
Concen: 3.721 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

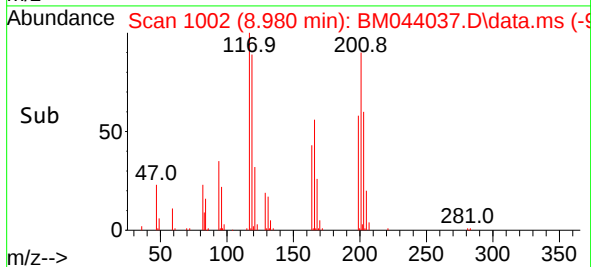
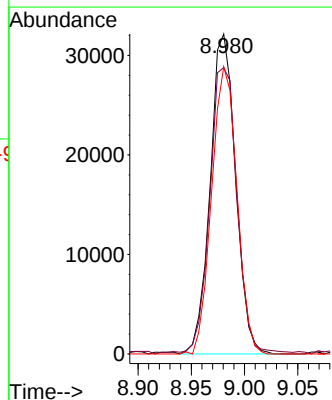
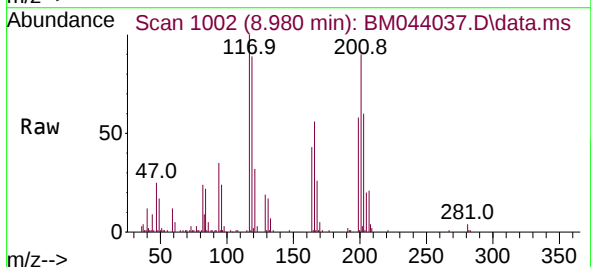
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

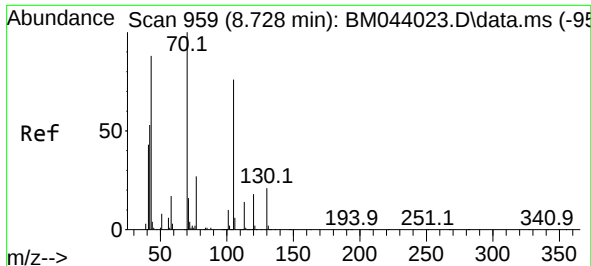
Tgt Ion:107 Resp: 100345
Ion Ratio Lower Upper
107 100
108 113.2 93.4 140.2
77 46.9 34.7 52.1
79 42.4 32.7 49.1



#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



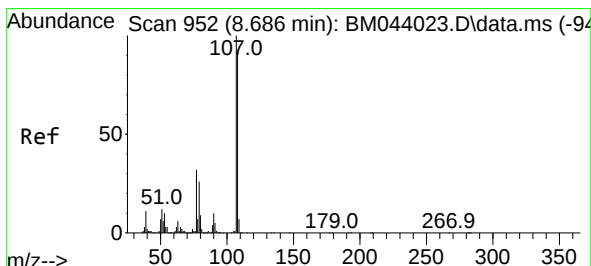
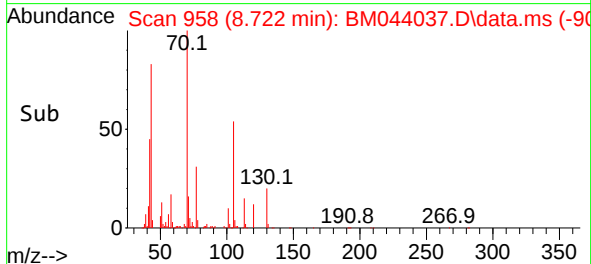
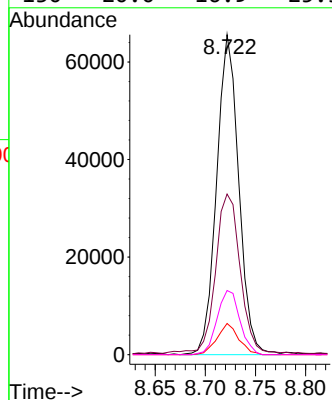
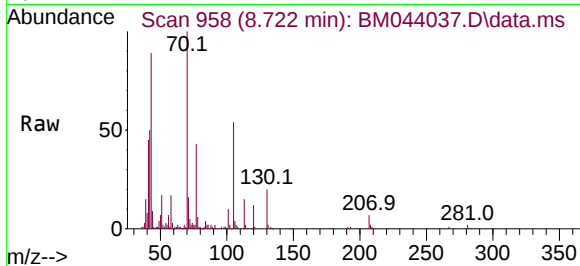


#19
n-Nitroso-di-n-propylamine
Concen: 4.022 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

Tgt Ion: 70 Resp: 100516

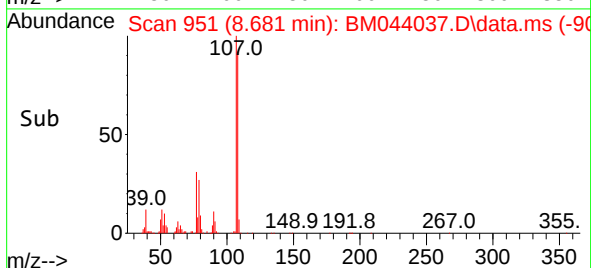
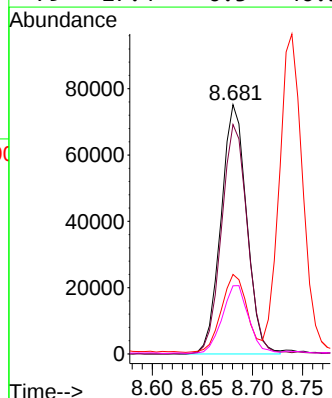
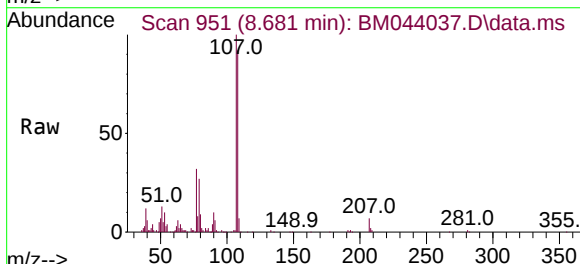
Ion	Ratio	Lower	Upper
70	100		
42	50.2	42.6	64.0
101	9.8	7.8	11.6
130	20.0	16.9	25.3

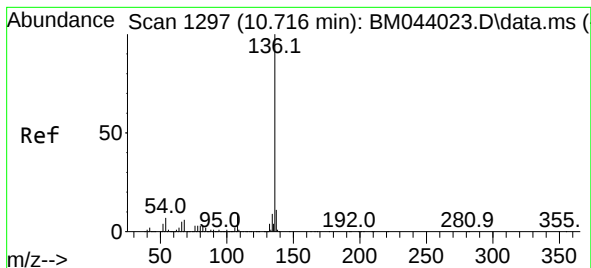


#20
3+4-Methylphenols
Concen: 3.610 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

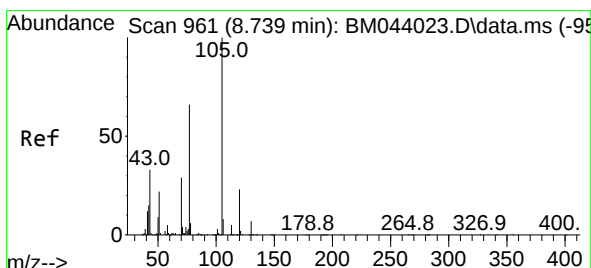
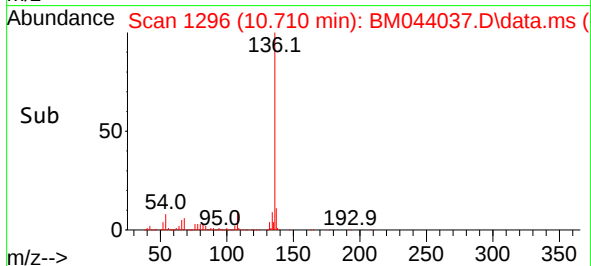
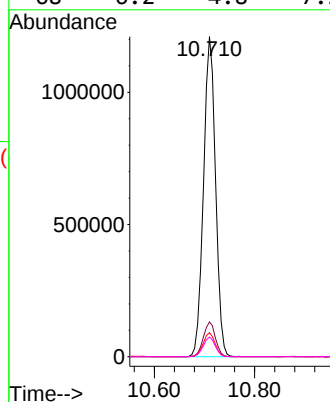
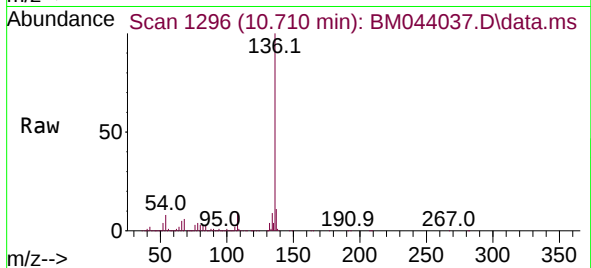
Ion Ratio Lower Upper

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

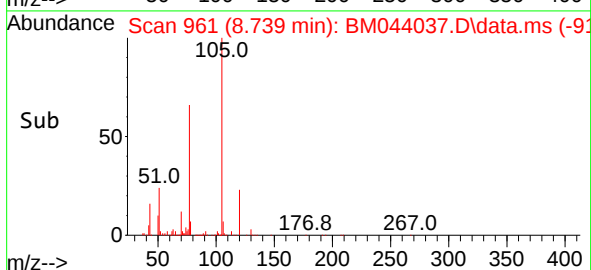
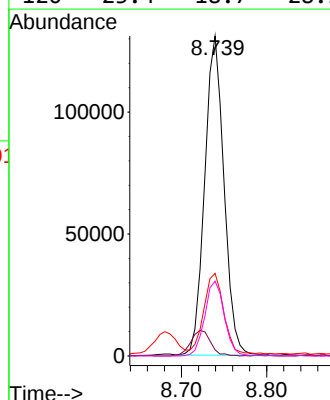
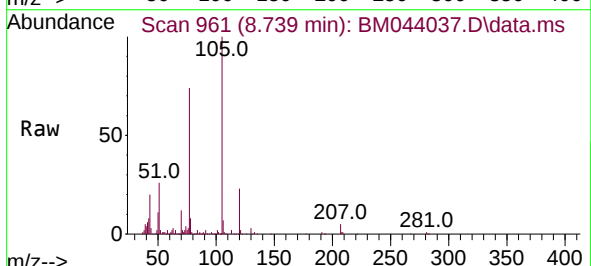
Ion Ratio Lower Upper

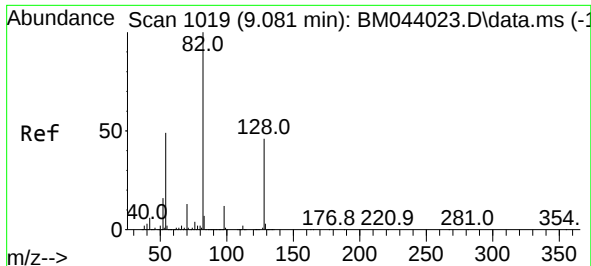
105 100

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 :

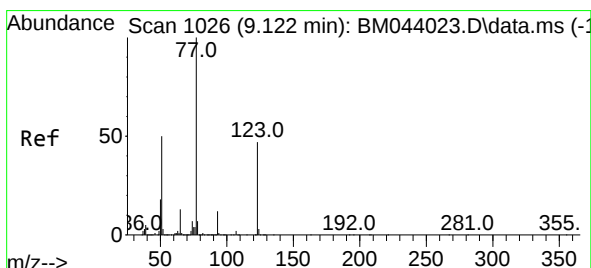
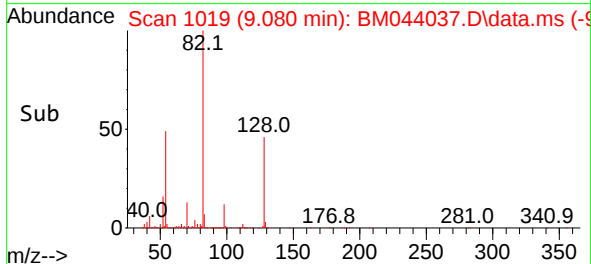
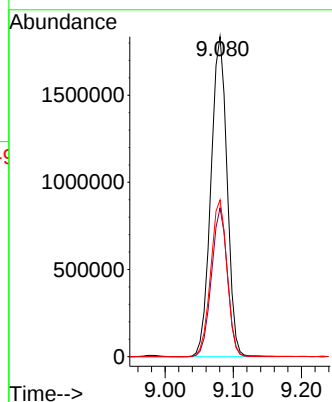
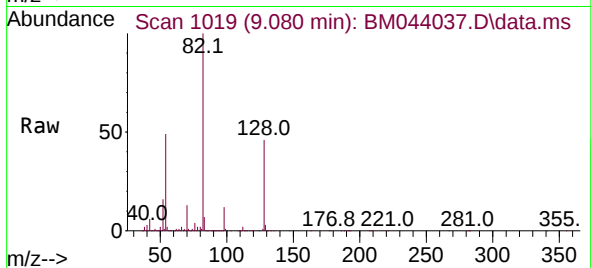
BNA_M

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

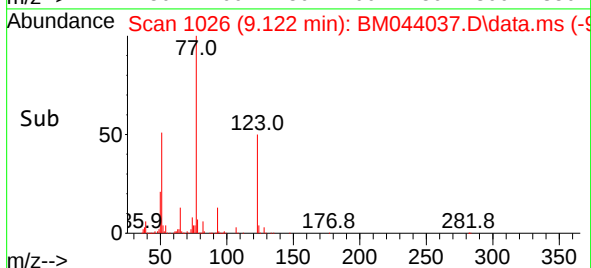
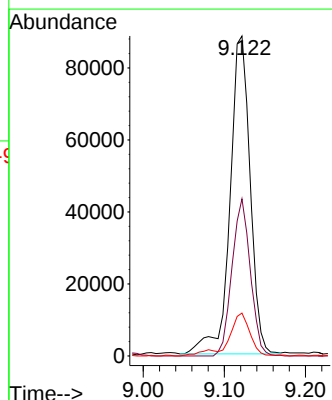
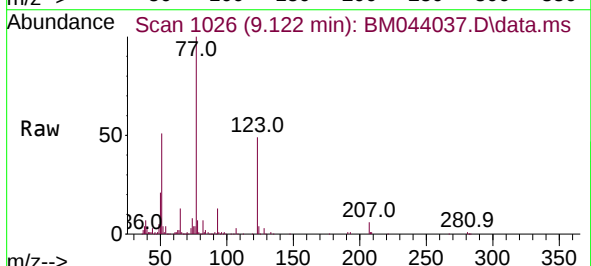
Delta R.T. -0.000 min

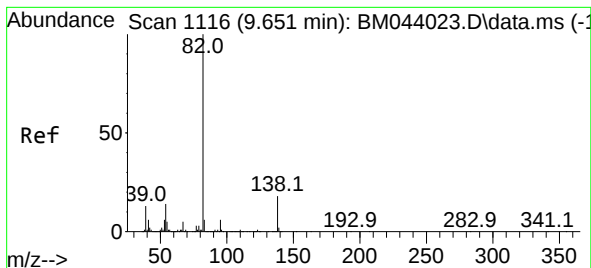
Lab File: BM044037.D

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

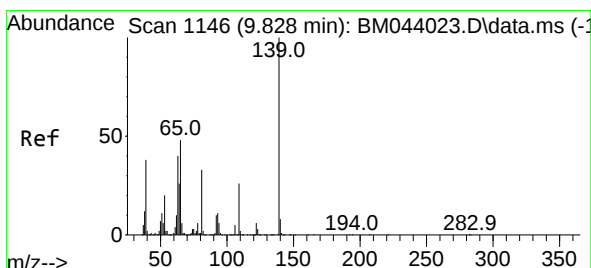
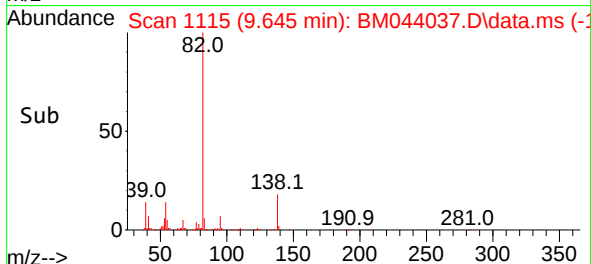
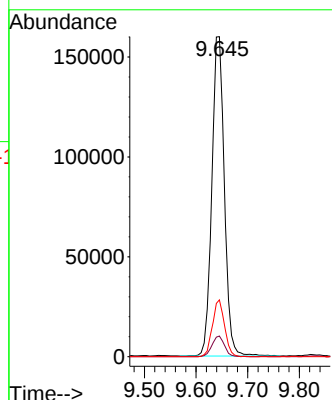
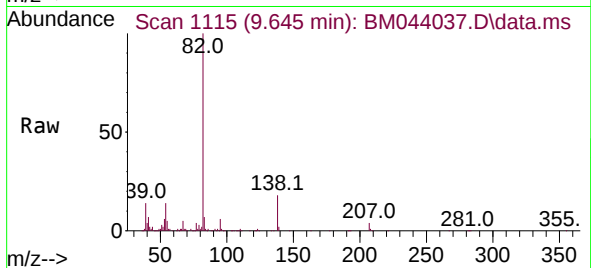
Tgt Ion: 82 Resp: 269328

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

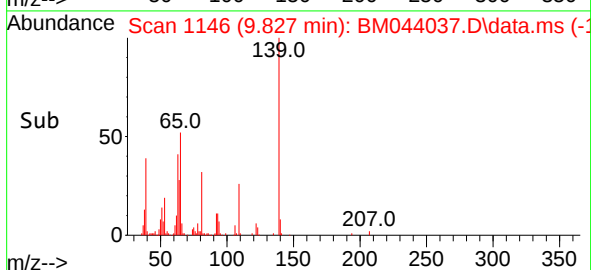
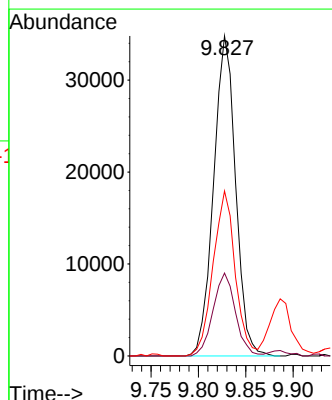
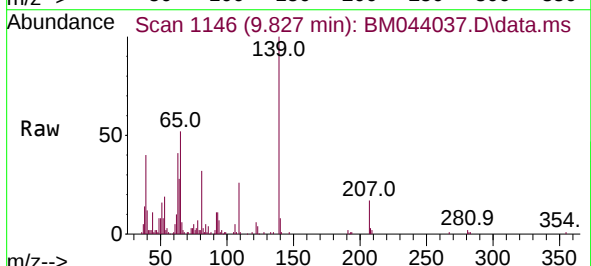
Tgt Ion:139 Resp: 56212

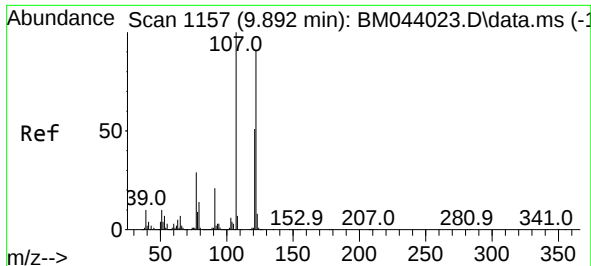
Ion Ratio Lower Upper

139 100

109 25.9 21.2 31.8

65 51.6 38.5 57.7

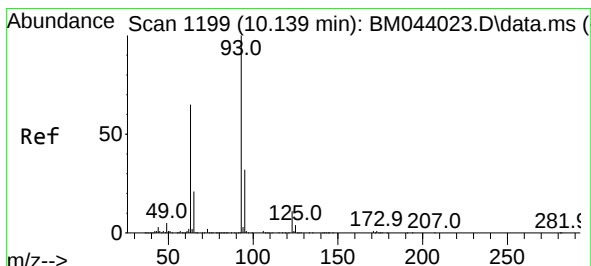
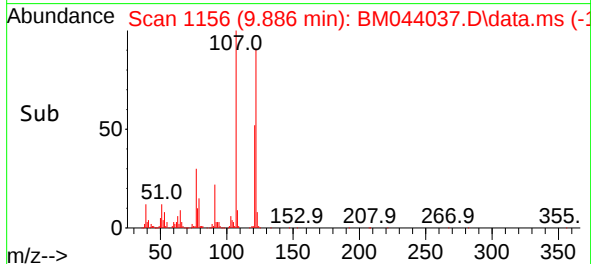
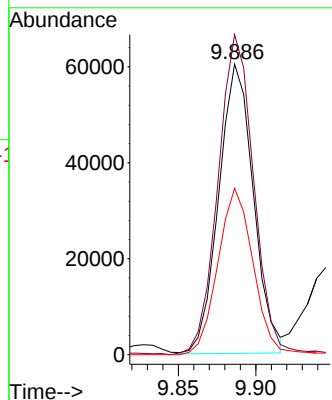
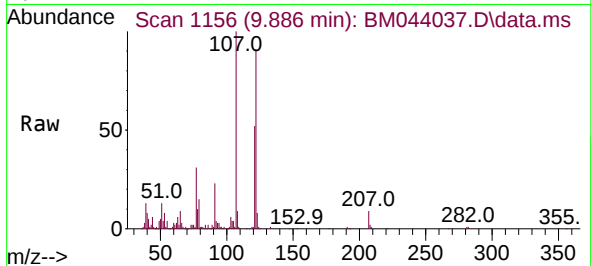




#27
2,4-Dimethylphenol
Concen: 4.075 ng
RT: 9.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

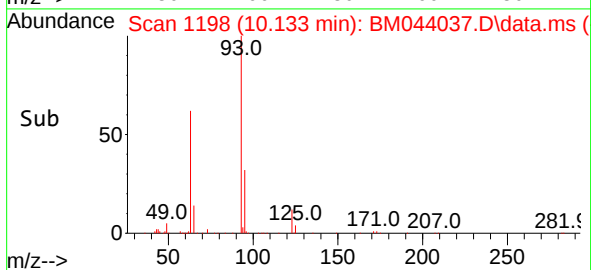
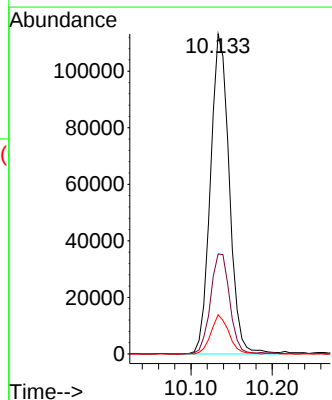
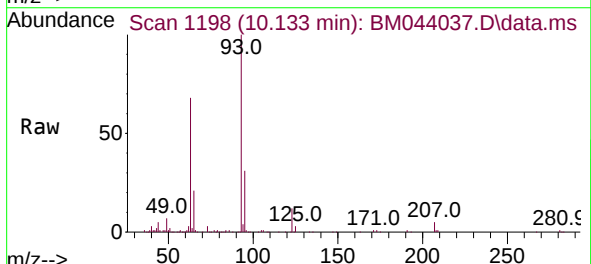
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

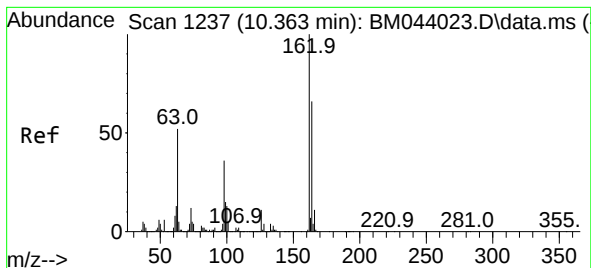
Tgt Ion:122 Resp: 93831
Ion Ratio Lower Upper
122 100
107 110.1 87.8 131.8
121 57.3 44.7 67.1



#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

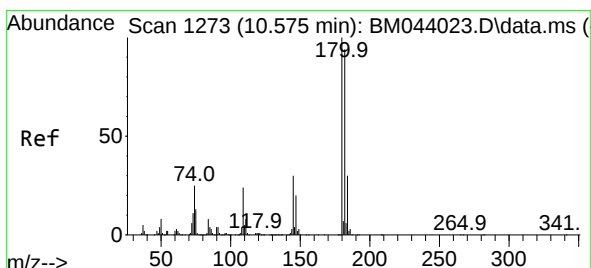
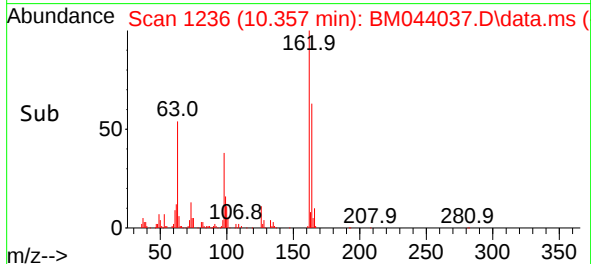
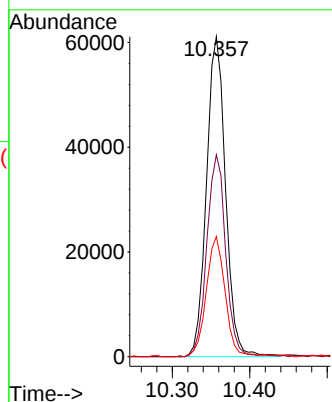
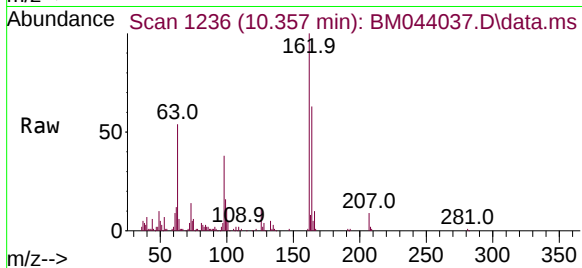
Tgt Ion:162 Resp: 104418

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

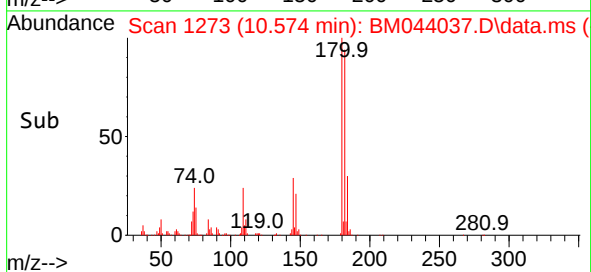
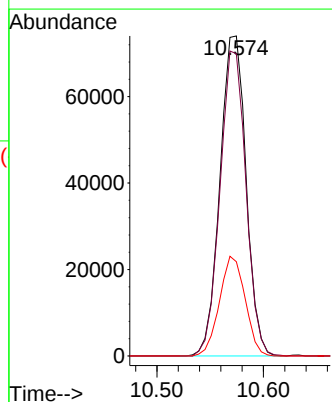
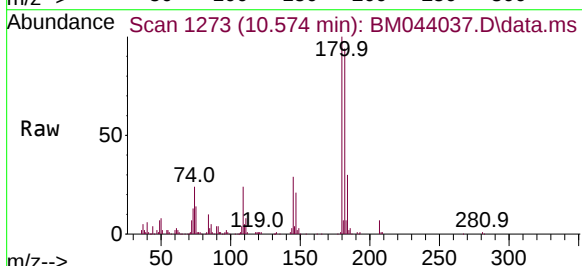
Tgt Ion:180 Resp: 125956

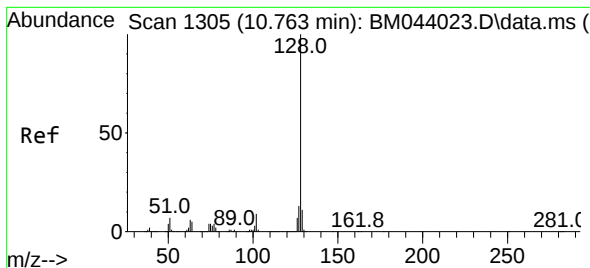
Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 29.5 24.3 36.5

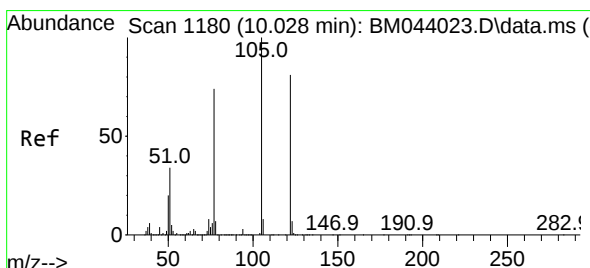
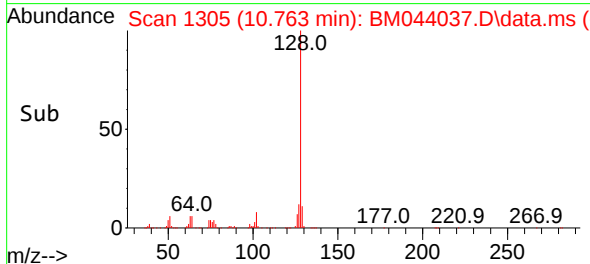
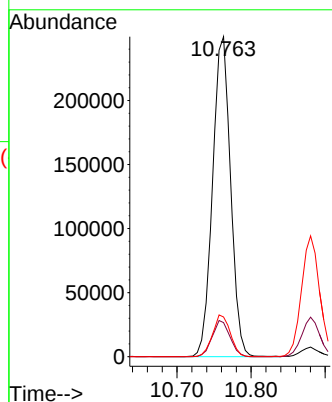
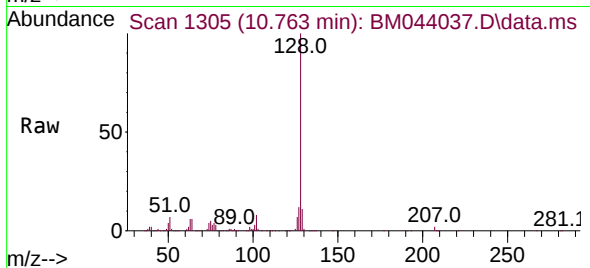




#31
Naphthalene
Concen: 3.788 ng
RT: 10.763 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

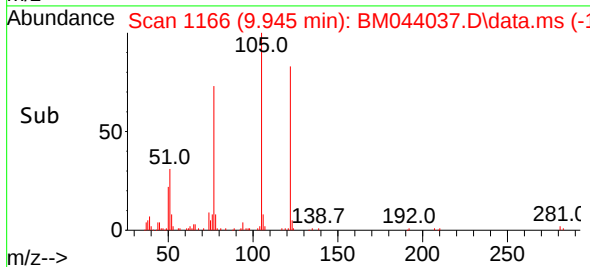
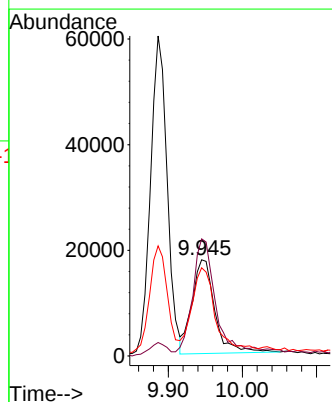
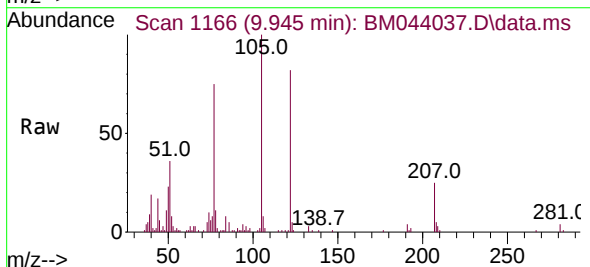
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

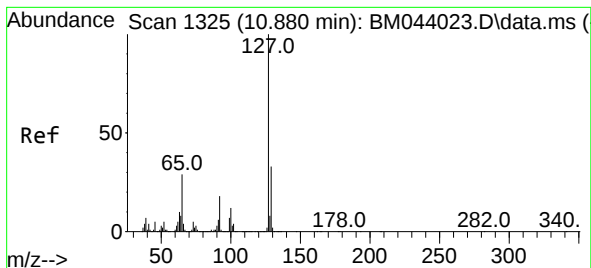
Tgt Ion:128 Resp: 420759
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.4 10.3 15.5



#32
Benzoic acid
Concen: 1.648 ng
RT: 9.945 min Scan# 1166
Delta R.T. -0.083 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

Tgt Ion:122 Resp: 38232
Ion Ratio Lower Upper
122 100
105 121.8 100.1 140.1
77 91.7 69.6 109.6

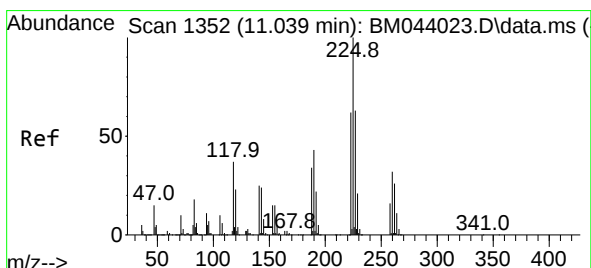
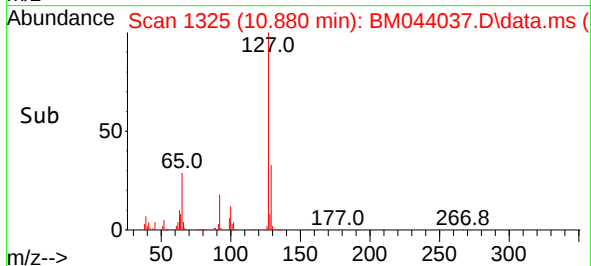
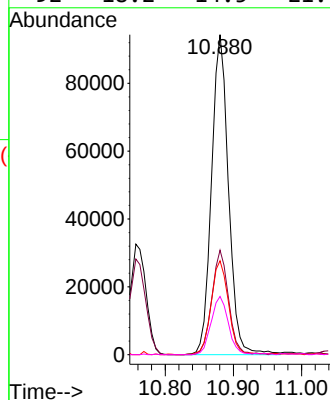
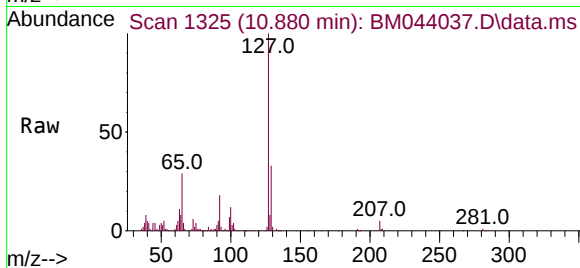




#33
4-Chloroaniline
Concen: 3.899 ng
RT: 10.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

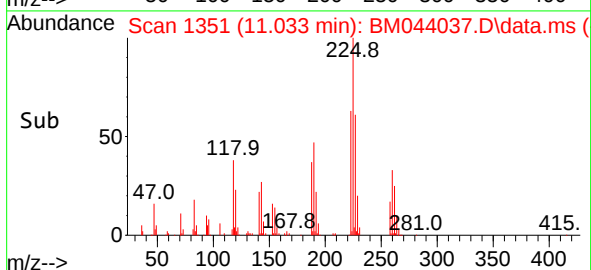
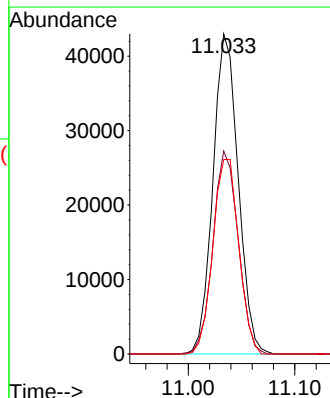
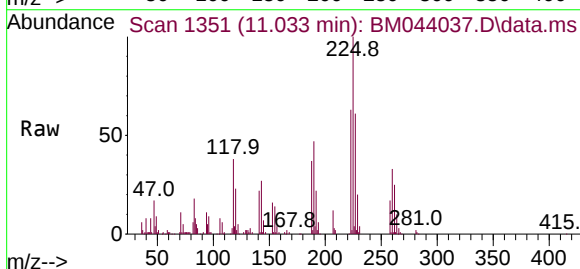
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

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# 1351
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

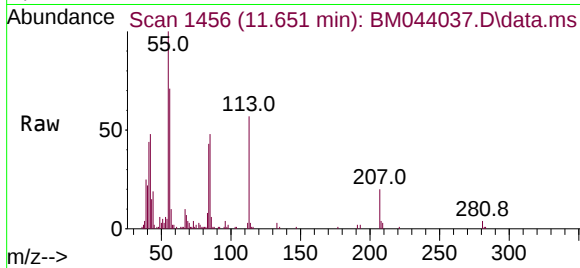
Tgt Ion:	225	Resp:	70584
Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.9	74.9
227	60.7	50.6	76.0



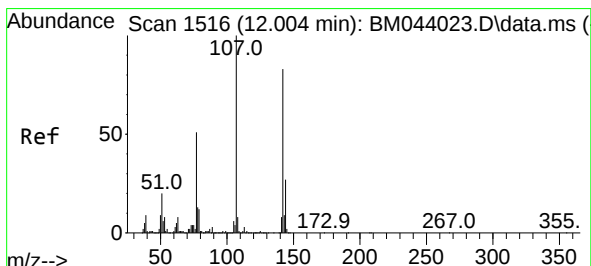
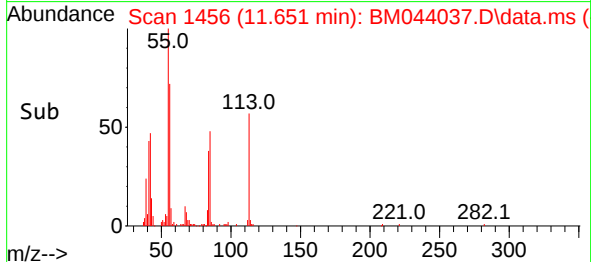
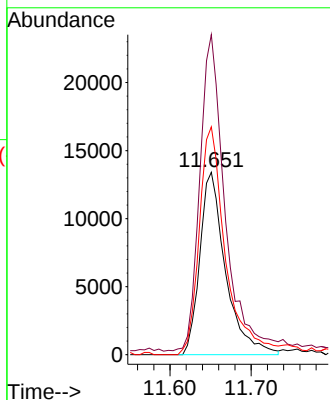


#35
Caprolactam
Concen: 3.031 ng
RT: 11.651 min Scan# 1456
Delta R.T. -0.024 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

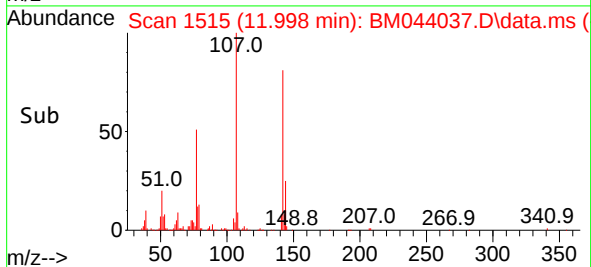
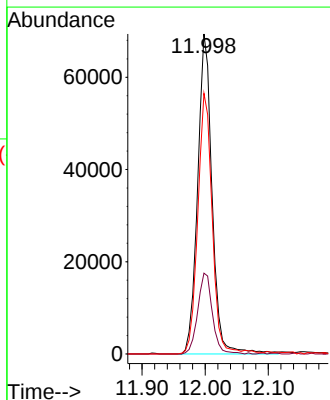
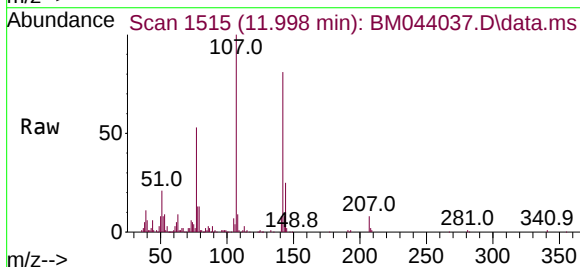


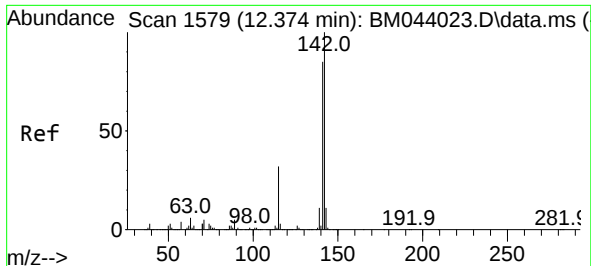
Tgt Ion:113 Resp: 29571
Ion Ratio Lower Upper
113 100
55 175.4 145.6 185.6
56 124.9 103.3 143.3



#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

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

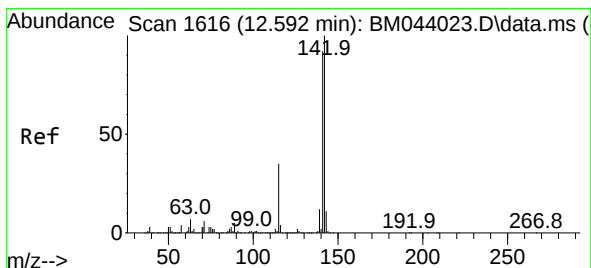
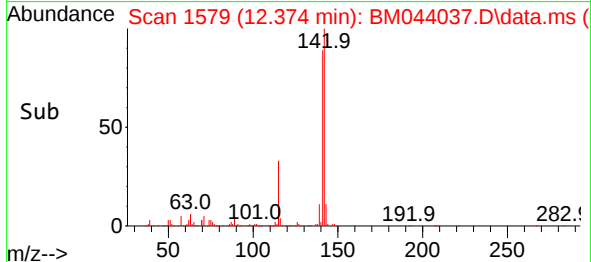
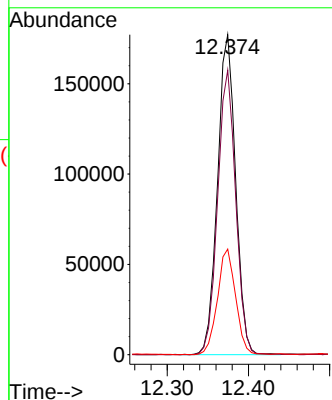
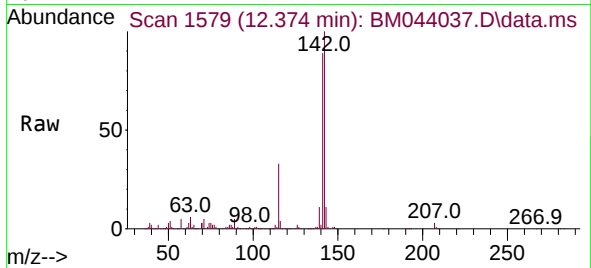




#37
2-Methylnaphthalene
Concen: 3.721 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

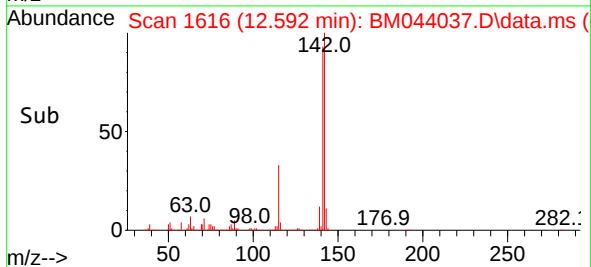
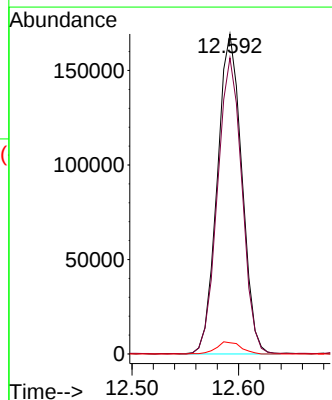
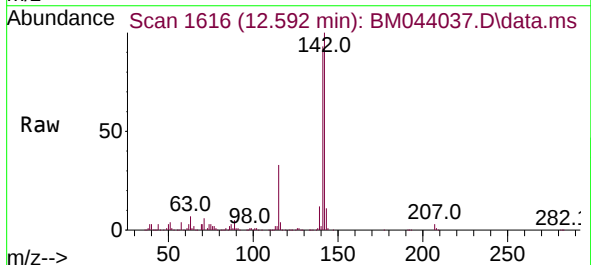
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

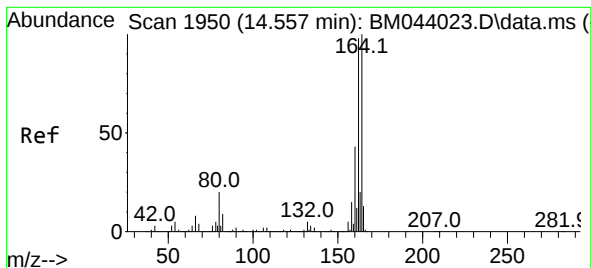
Tgt Ion:142 Resp: 275344
Ion Ratio Lower Upper
142 100
141 88.9 68.3 102.5
115 33.0 25.7 38.5



#38
1-Methylnaphthalene
Concen: 3.724 ng
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

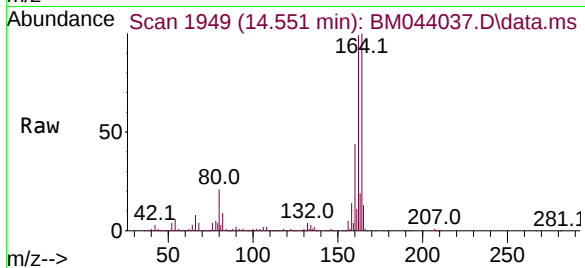
Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



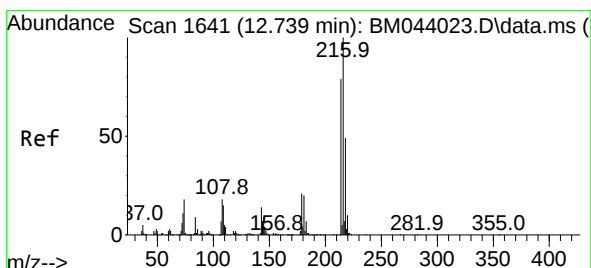
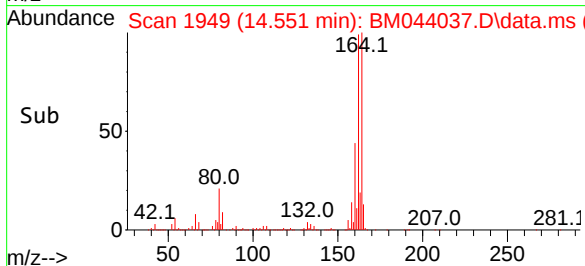
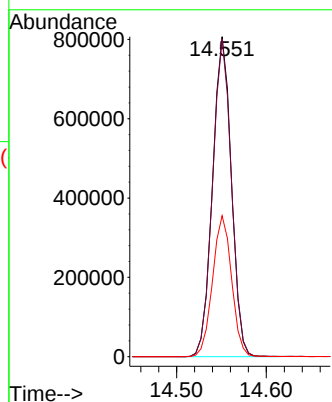
Tgt Ion:164 Resp: 1174068

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# 1640

Delta R.T. -0.006 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Tgt Ion:216 Resp: 133047

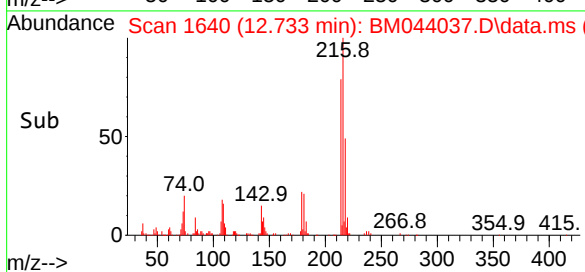
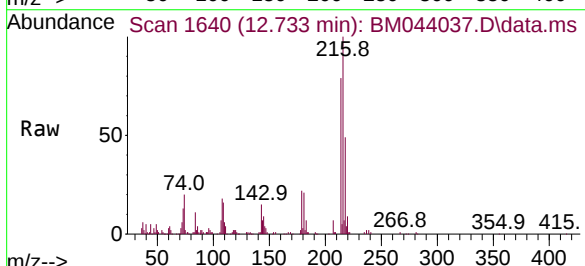
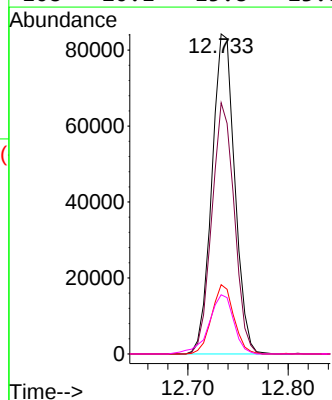
Ion Ratio Lower Upper

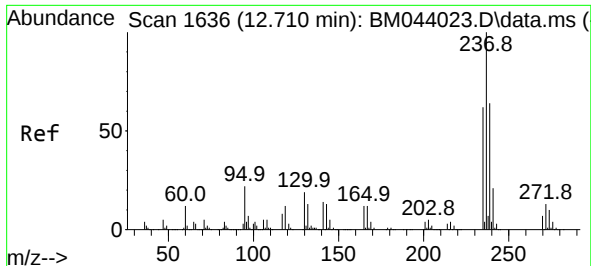
216 100

214 77.0 63.1 94.7

179 21.0 17.0 25.6

108 20.1 15.8 23.8

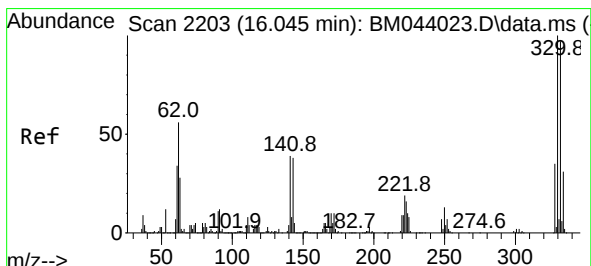
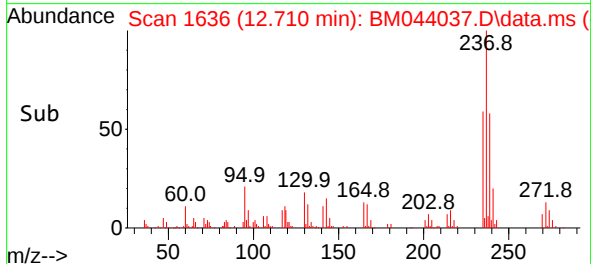
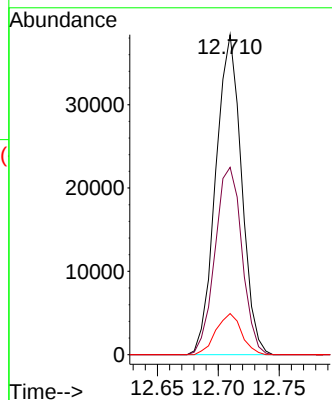
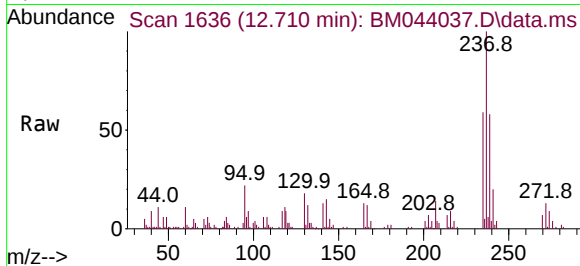




#41
Hexachlorocyclopentadiene
Concen: 3.798 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

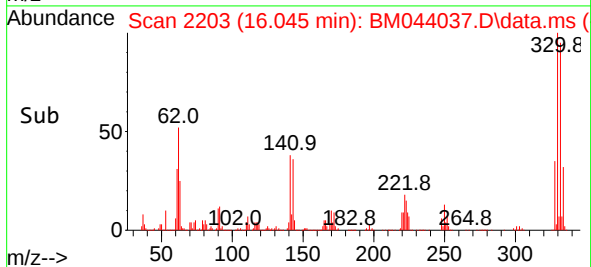
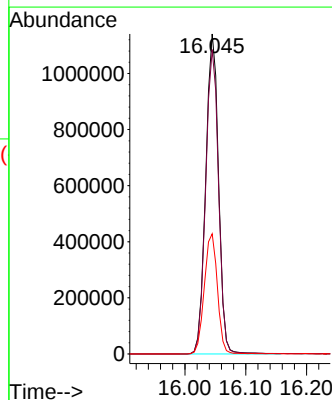
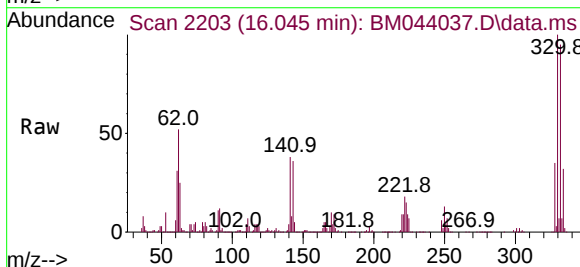
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

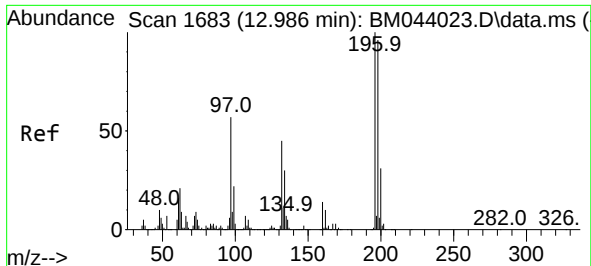
Tgt Ion:237 Resp: 56561
Ion Ratio Lower Upper
237 100
235 58.6 42.4 82.4
272 12.8 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 131.289 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

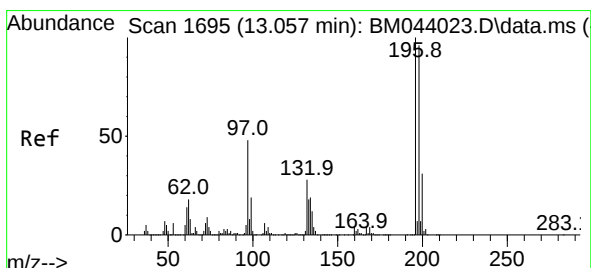
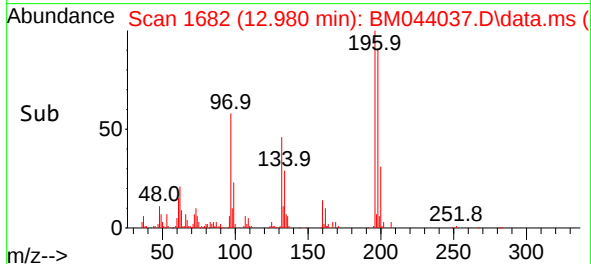
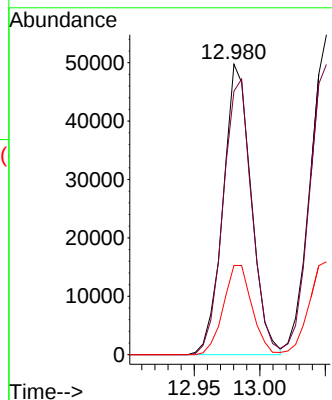
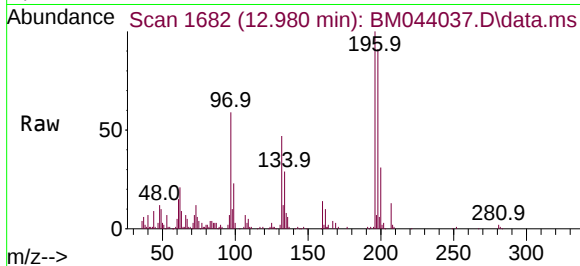




#43
2,4,6-Trichlorophenol
Concen: 3.199 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

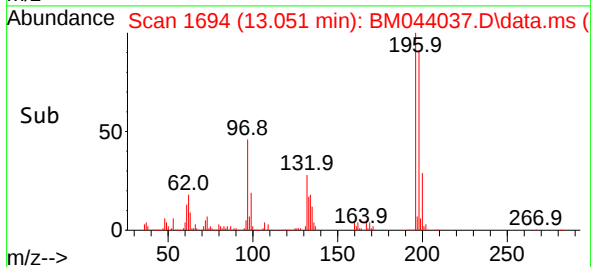
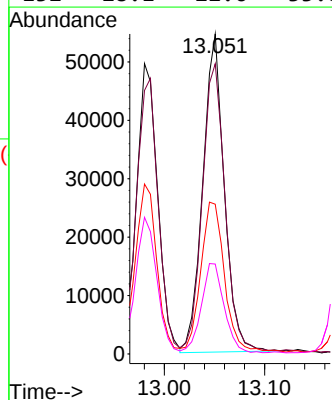
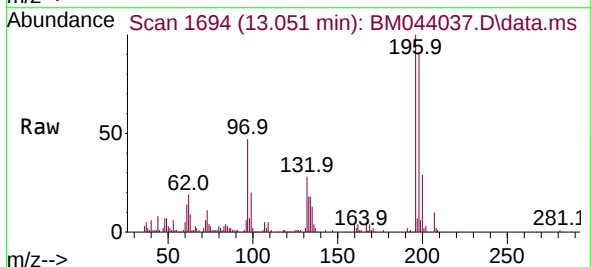
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

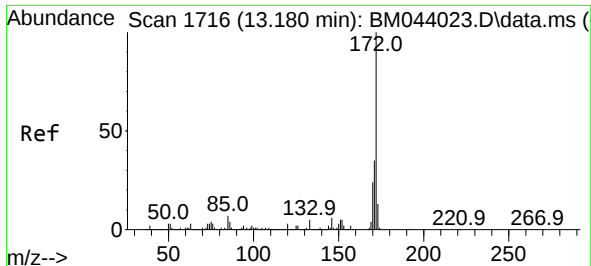
Tgt Ion:196 Resp: 74292
Ion Ratio Lower Upper
196 100
198 90.7 76.8 115.2
200 30.7 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 3.190 ng
RT: 13.051 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

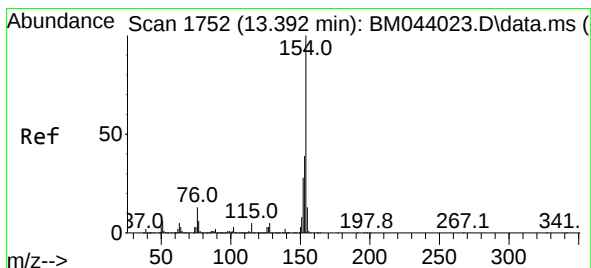
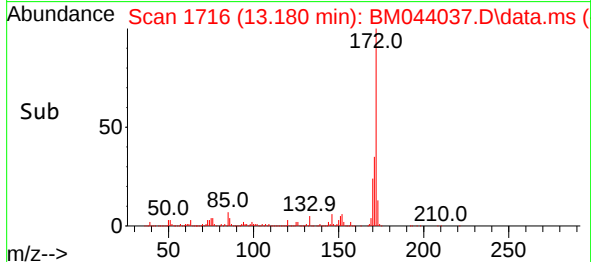
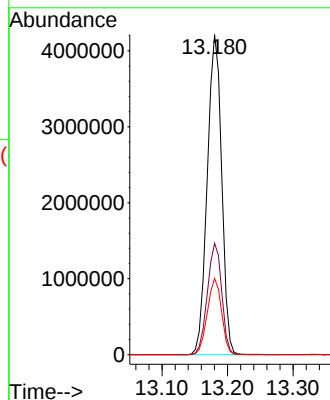
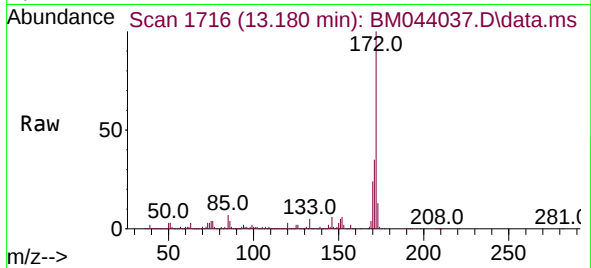




#45
2-Fluorobiphenyl
Concen: 77.427 ng
RT: 13.180 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

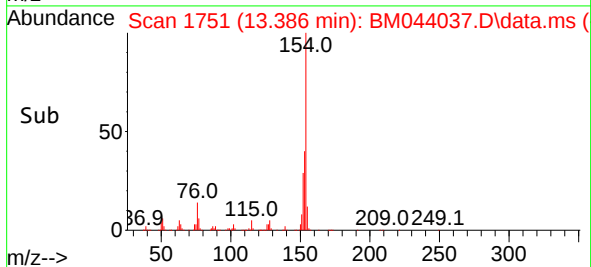
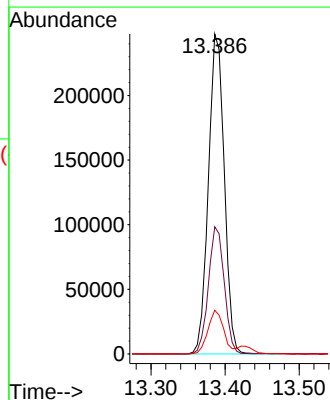
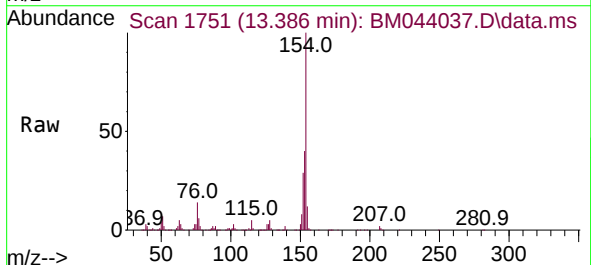
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

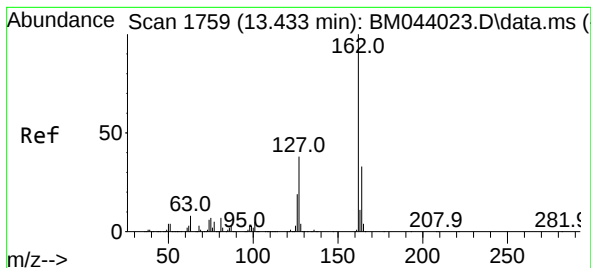
Tgt Ion:172 Resp: 6441135
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.9 19.0 28.4



#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

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

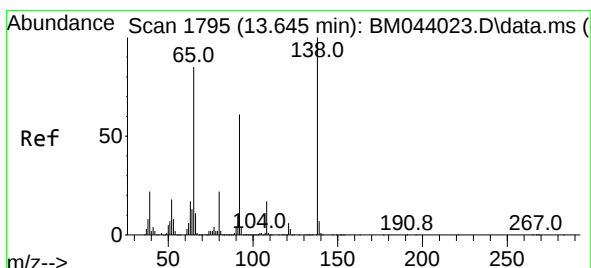
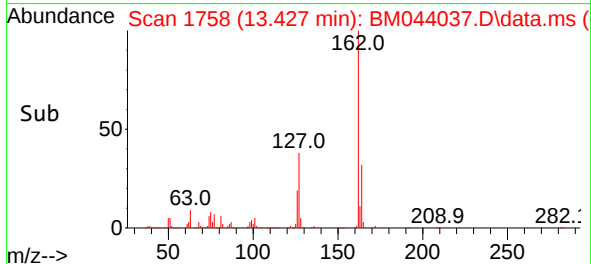
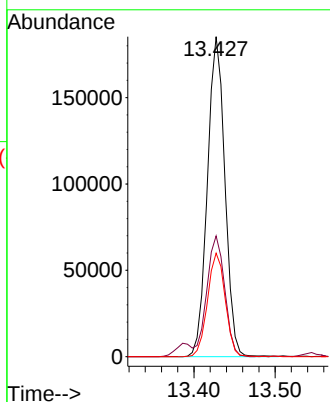
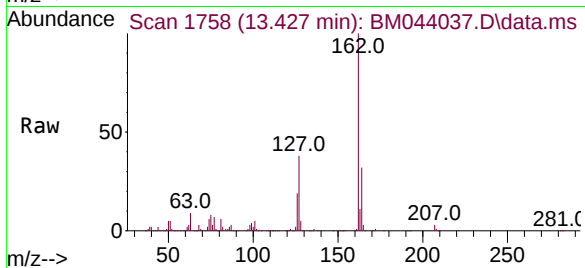




#47
2-Chloronaphthalene
Concen: 3.778 ng
RT: 13.427 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

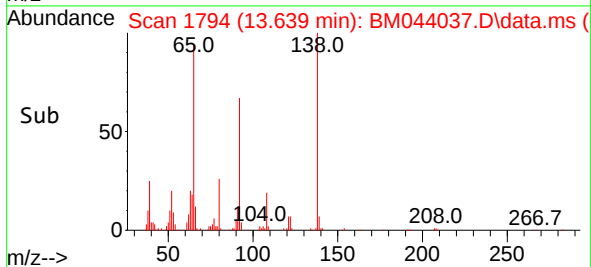
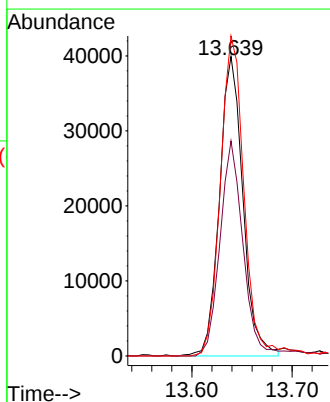
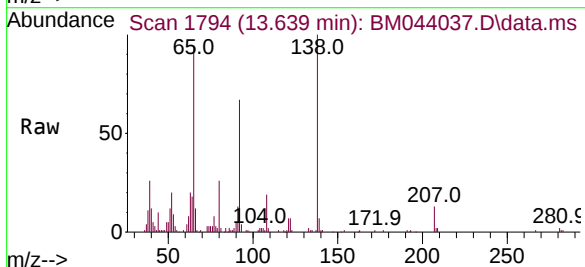
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

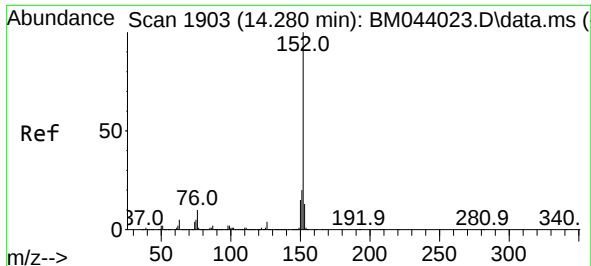
Tgt Ion:162 Resp: 277256
Ion Ratio Lower Upper
162 100
127 37.8 30.9 46.3
164 32.4 26.4 39.6



#48
2-Nitroaniline
Concen: 3.133 ng
RT: 13.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

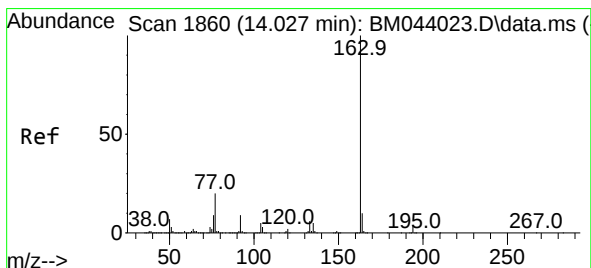
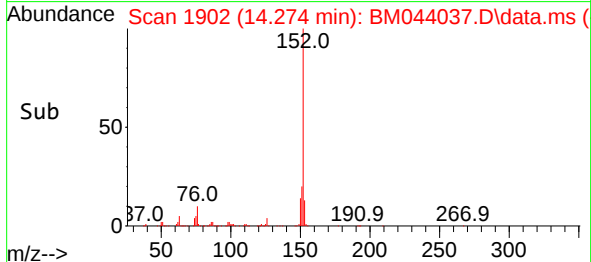
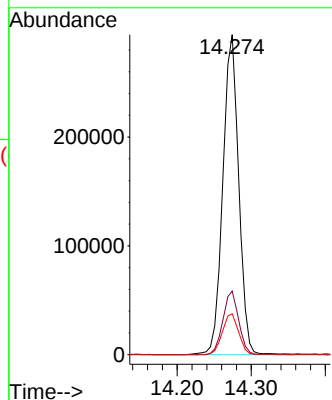
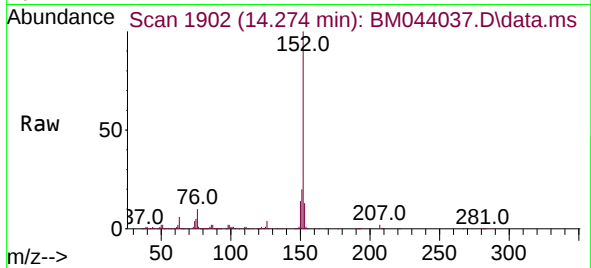




#49
Acenaphthylene
Concen: 3.995 ng
RT: 14.274 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

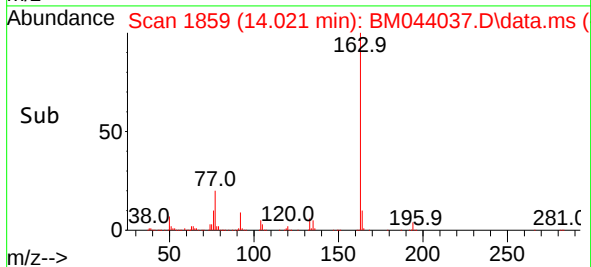
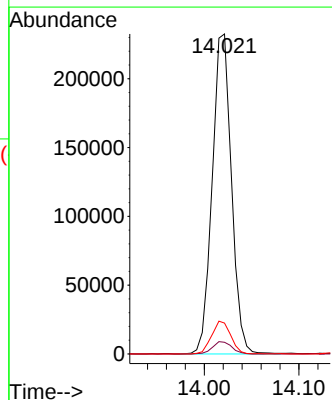
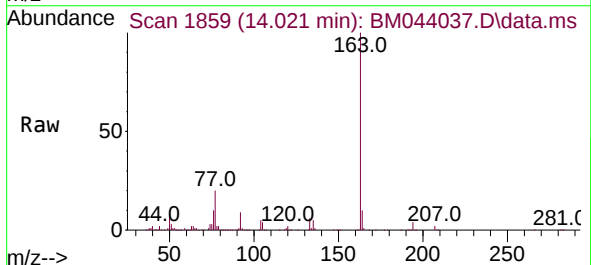
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

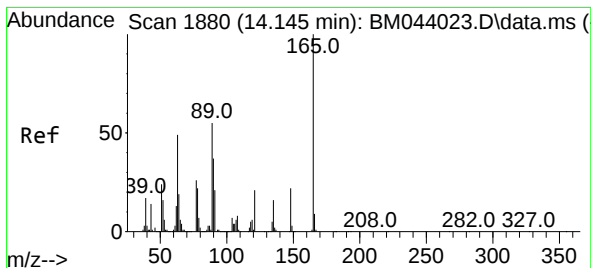
Tgt Ion:152 Resp: 437384
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 12.8 10.5 15.7



#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

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# 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

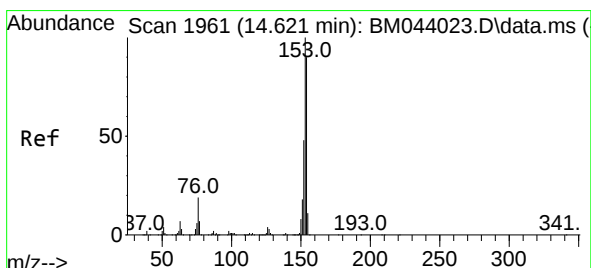
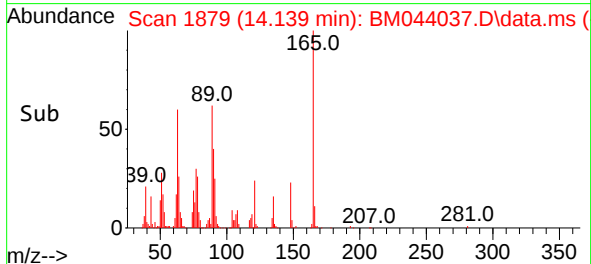
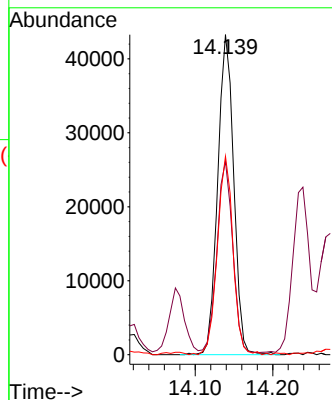
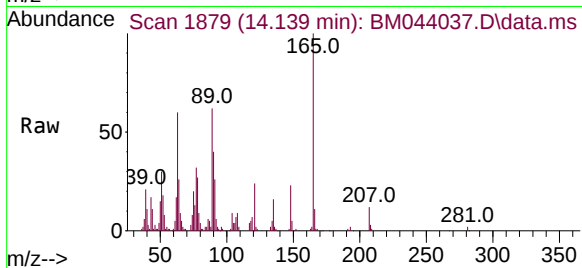
Tgt Ion:165 Resp: 62227

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

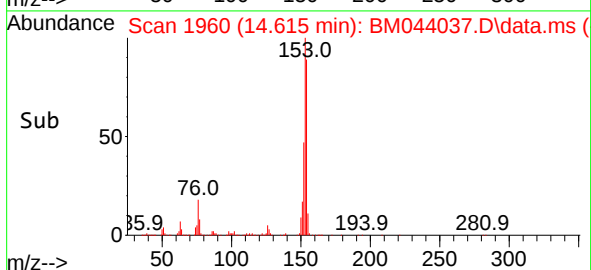
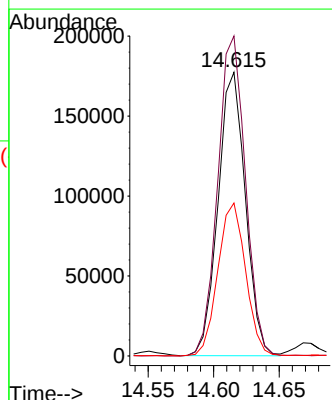
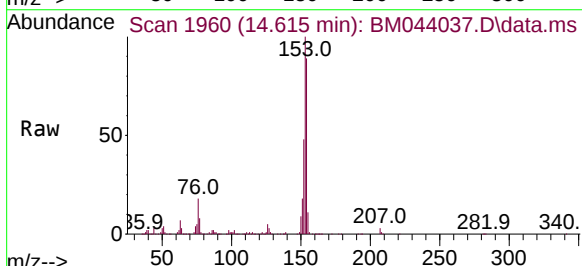
Tgt Ion:154 Resp: 256920

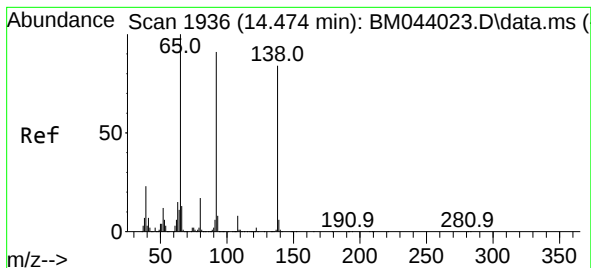
Ion Ratio Lower Upper

154 100

153 112.8 89.3 133.9

152 53.9 43.0 64.6

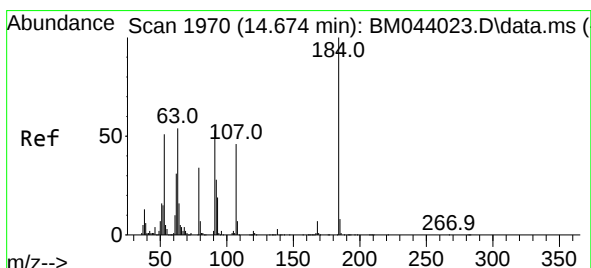
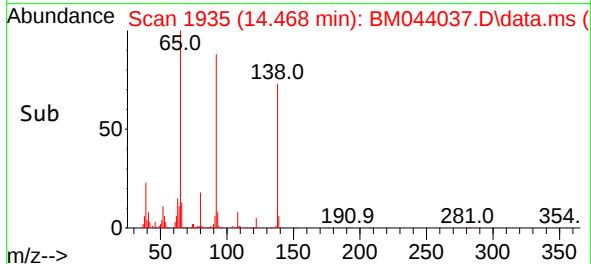
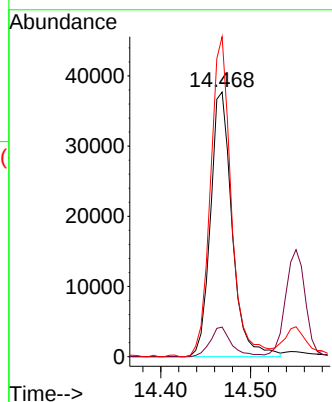
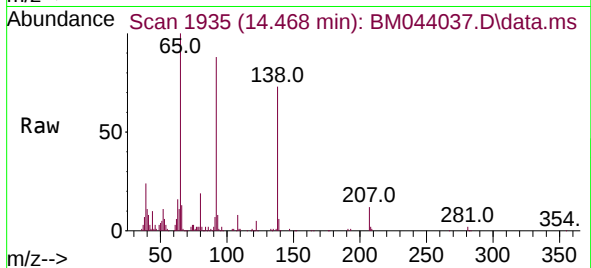




#53
3-Nitroaniline
Concen: 3.054 ng
RT: 14.468 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

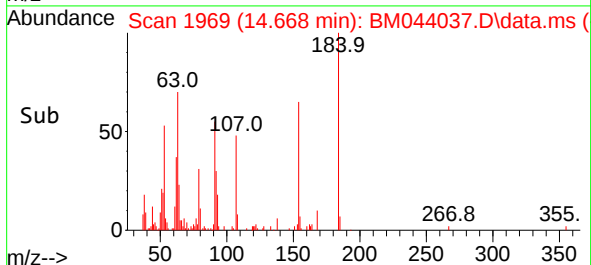
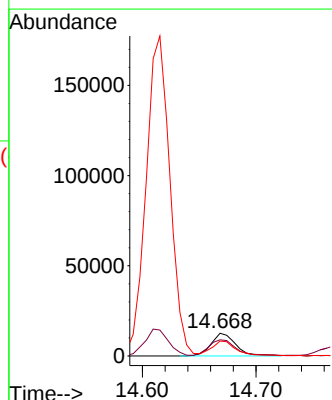
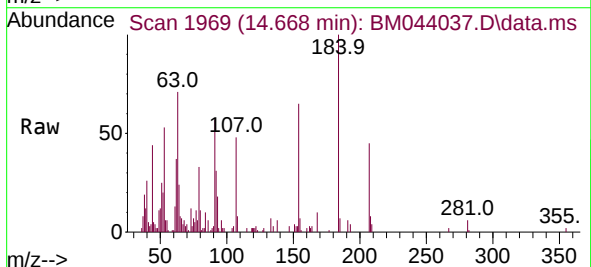
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

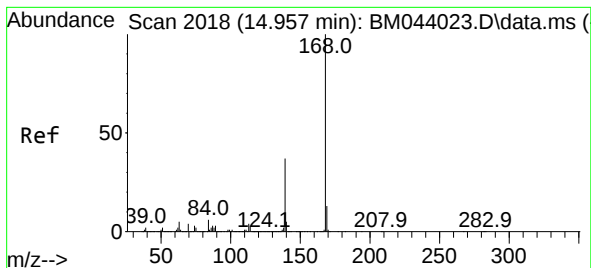
Tgt Ion:138 Resp: 63027
Ion Ratio Lower Upper
138 100
108 11.2 7.6 11.4
92 120.9 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 7.117 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

Dibenzenofuran

Concen: 4.031 ng

RT: 14.951 min Scan# 20

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

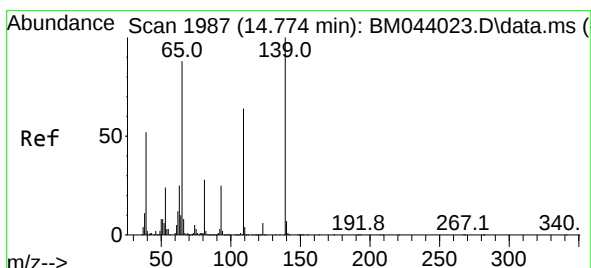
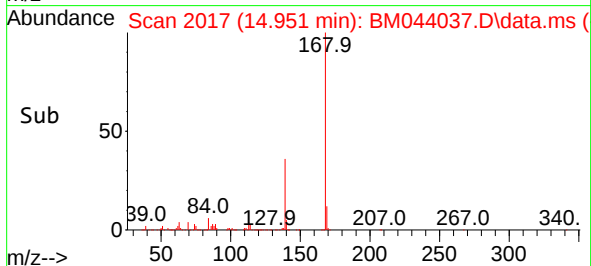
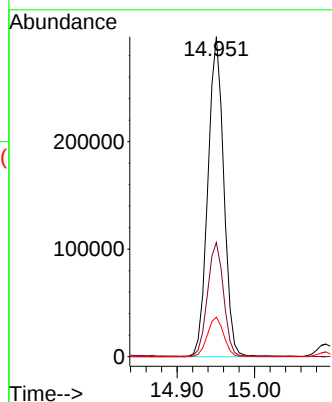
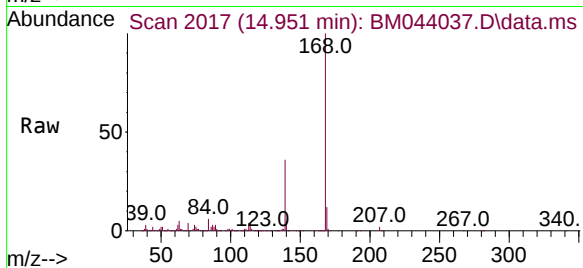
Tgt Ion:168 Resp: 422770

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

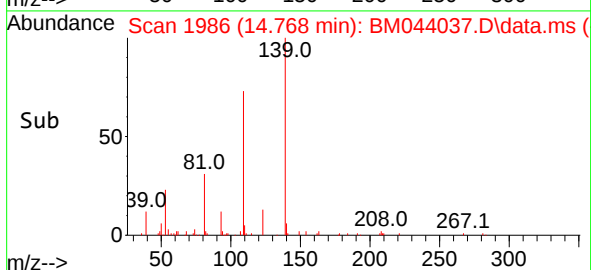
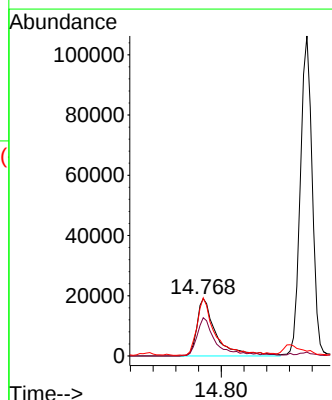
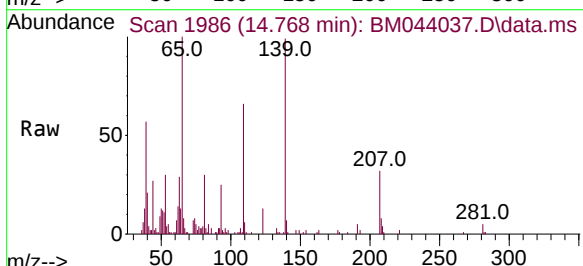
Tgt Ion:139 Resp: 44580

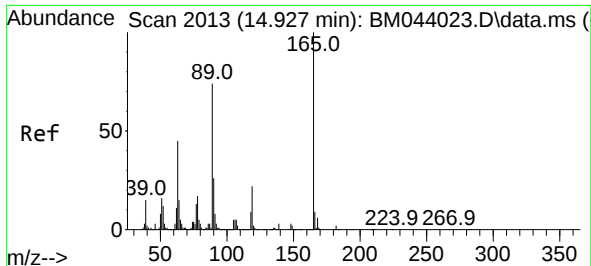
Ion Ratio Lower Upper

139 100

109 66.6 43.8 83.8

65 101.1 67.7 107.7

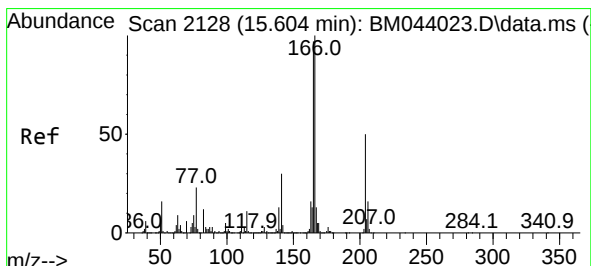
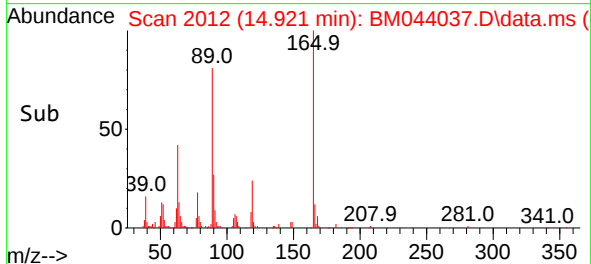
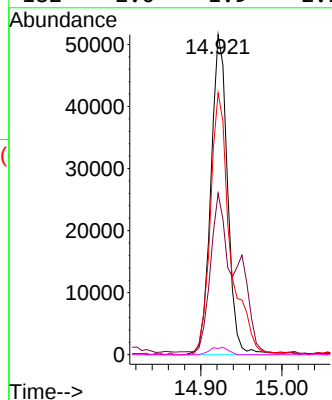
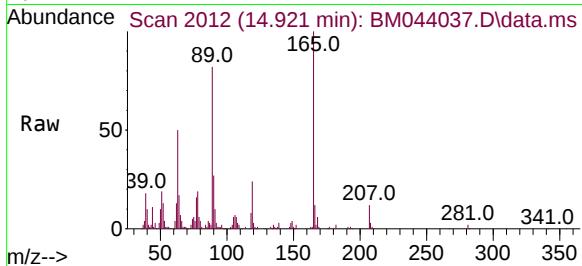




#57
2,4-Dinitrotoluene
Concen: 2.933 ng
RT: 14.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

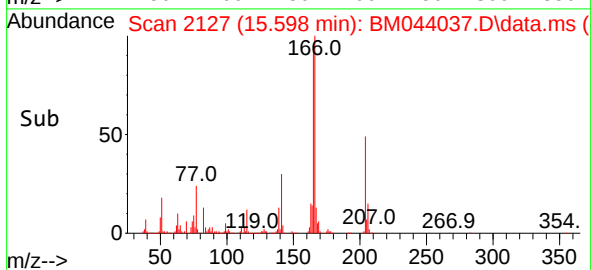
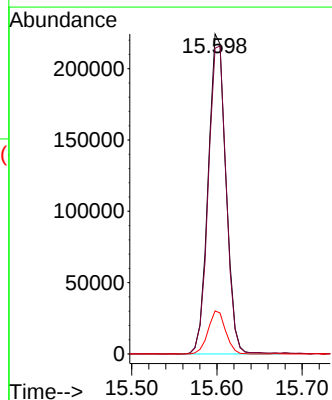
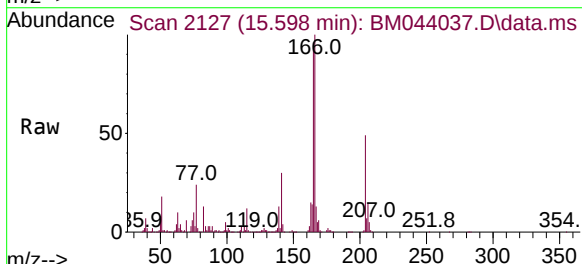
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

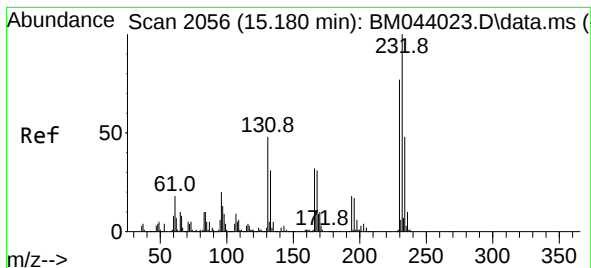
Tgt Ion:	165	Resp:	73616
Ion	Ratio	Lower	Upper
165	100		
63	50.4	35.9	53.9
89	81.8	58.9	88.3
182	2.0	1.9	2.9



#58
Fluorene
Concen: 3.996 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

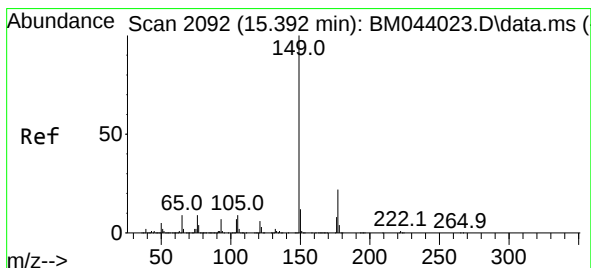
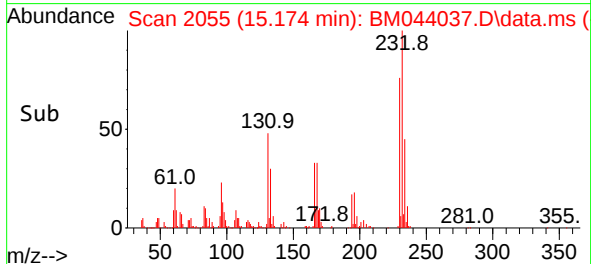
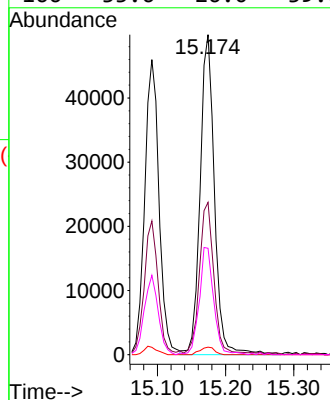
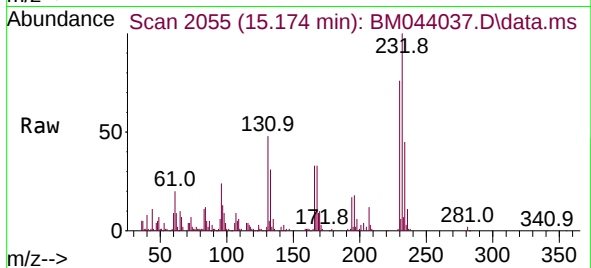




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.650 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

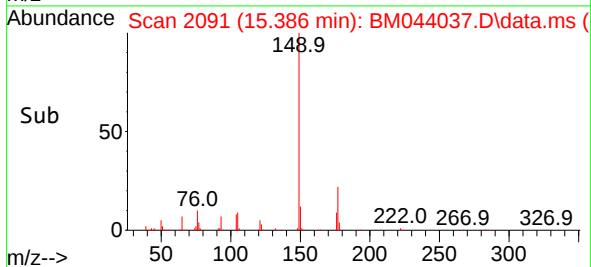
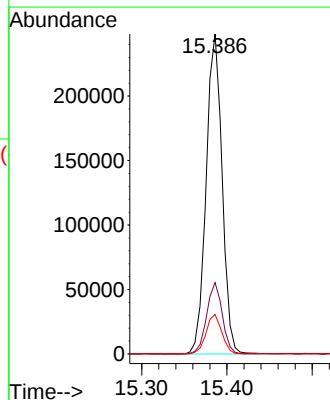
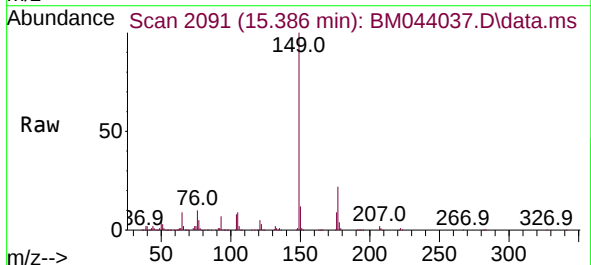
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

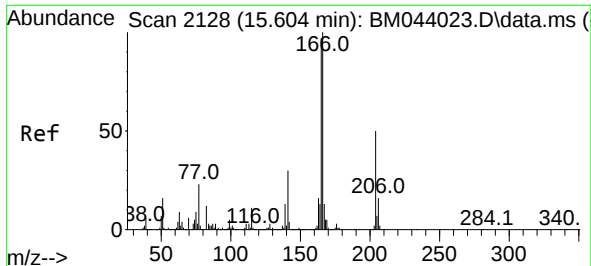
Tgt Ion:	232	Resp:	72999
Ion	Ratio	Lower	Upper
232	100		
131	46.5	39.5	59.3
130	2.4	2.0	3.0
166	33.6	26.0	39.0



#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

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

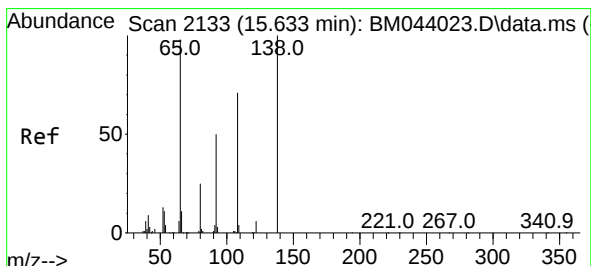
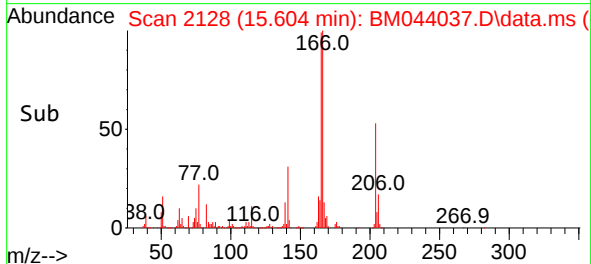
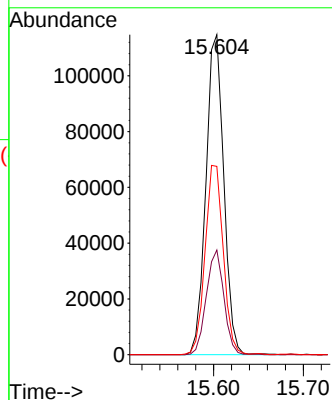
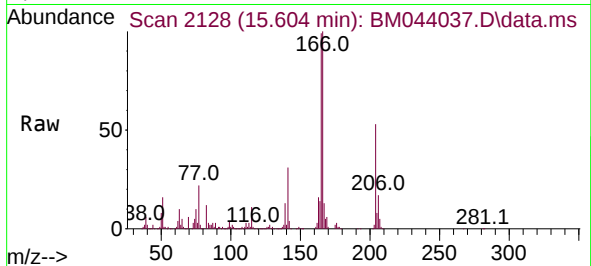




#61
4-Chlorophenyl-phenylether
Concen: 4.041 ng
RT: 15.604 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

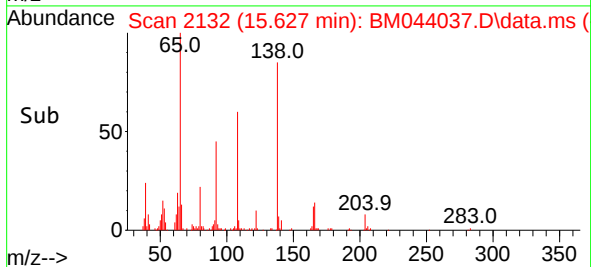
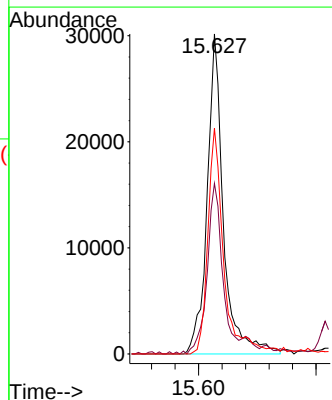
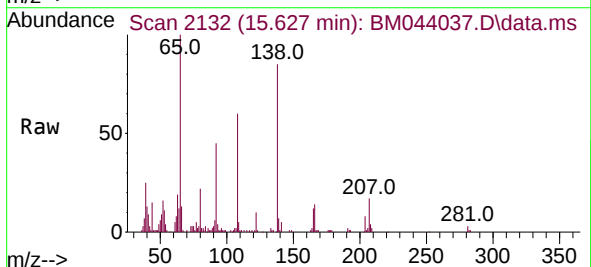
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

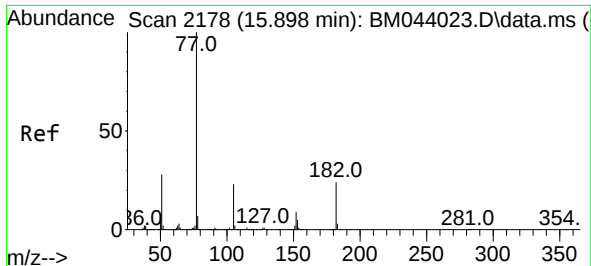
Tgt Ion:204 Resp: 158680
Ion Ratio Lower Upper
204 100
206 32.7 26.3 39.5
141 58.9 47.7 71.5



#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

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

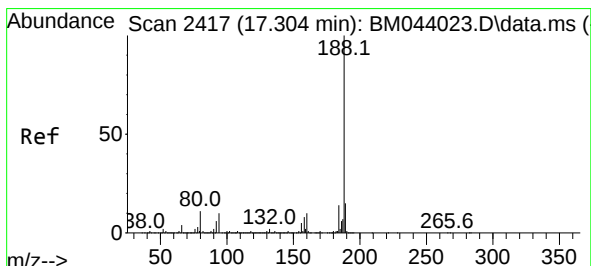
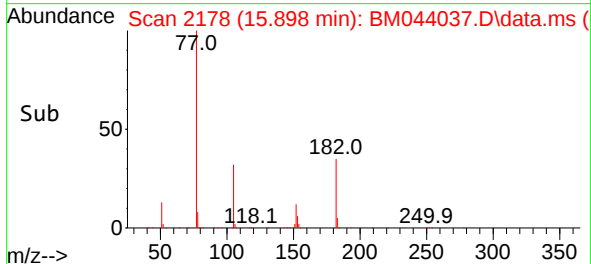
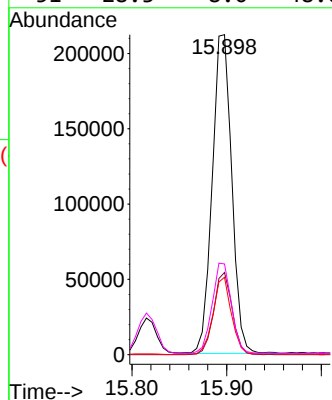
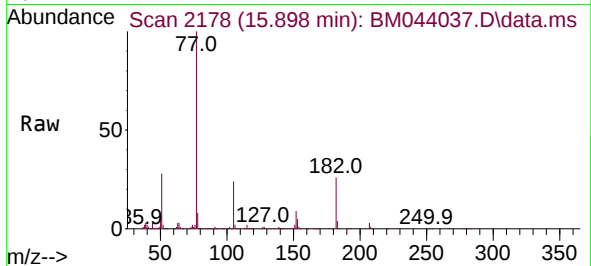




#63
 Azobenzene
 Concen: 3.590 ng
 RT: 15.898 min Scan# 2178
 Delta R.T. -0.000 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

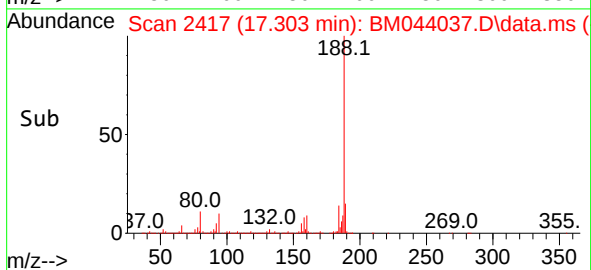
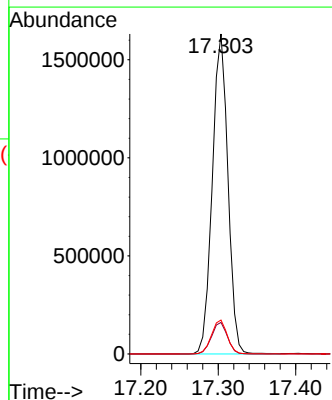
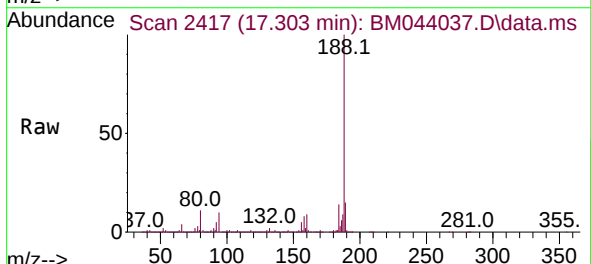
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

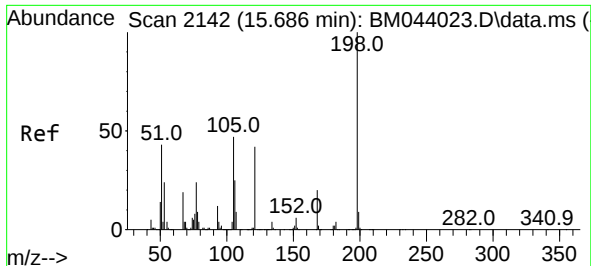
Tgt Ion:	77	Resp:	303027
Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.0	44.0
105	24.2	3.3	43.3
51	28.3	8.0	48.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.303 min Scan# 2417
 Delta R.T. -0.000 min
 Lab File: BM044037.D
 Acq: 09 Feb 2024 13:41

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

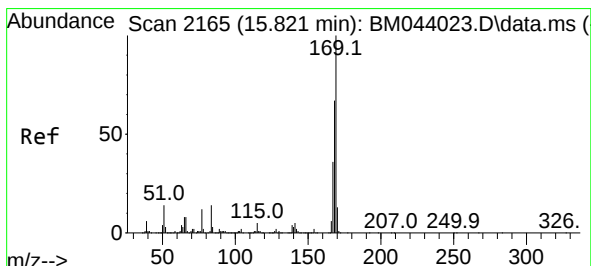
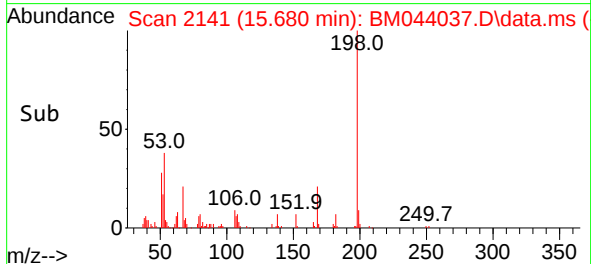
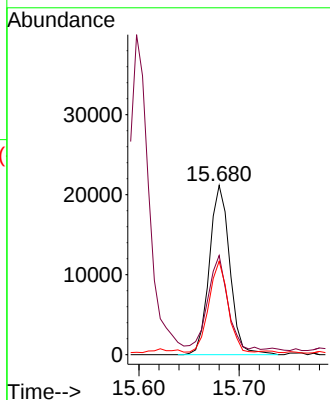
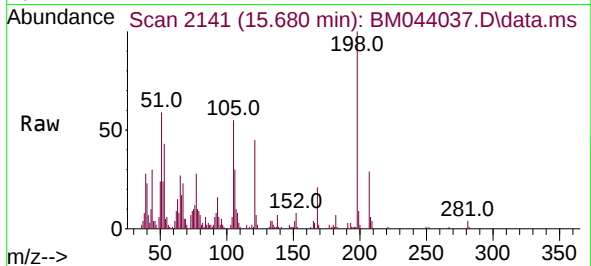




#65
4,6-Dinitro-2-methylphenol
Concen: 2.195 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

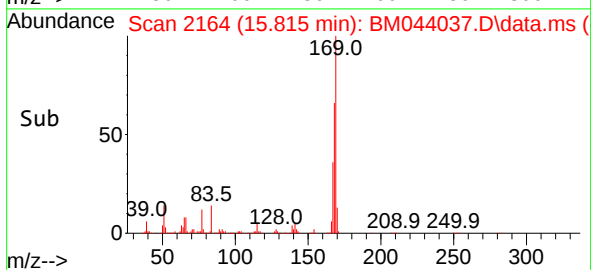
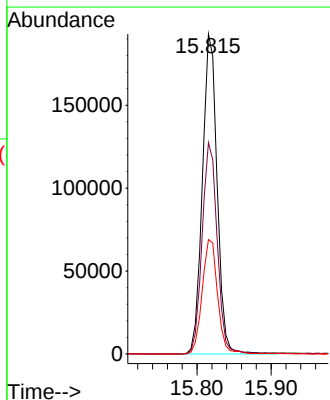
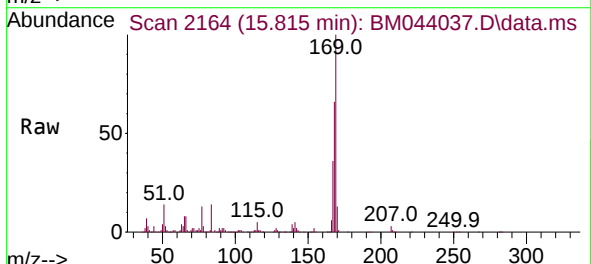
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

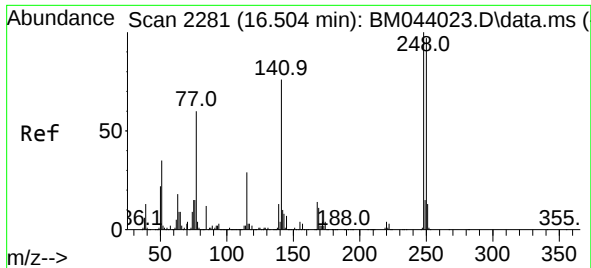
Tgt Ion:198 Resp: 29857
Ion Ratio Lower Upper
198 100
51 58.7 29.9 69.9
105 55.2 28.7 68.7



#66
n-Nitrosodiphenylamine
Concen: 3.844 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

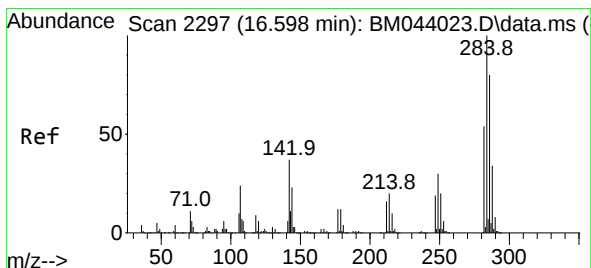
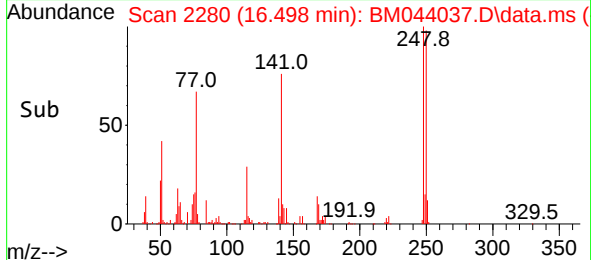
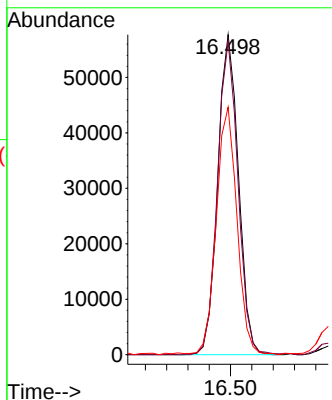
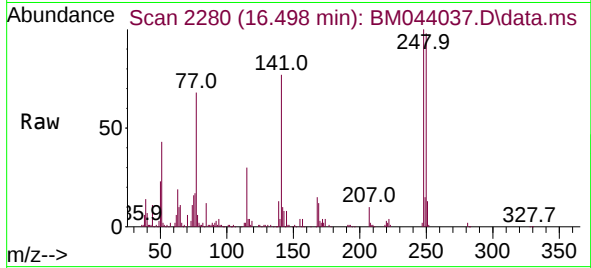




#67
4-Bromophenyl-phenylether
Concen: 3.439 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

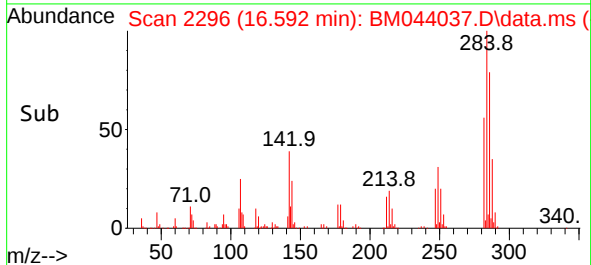
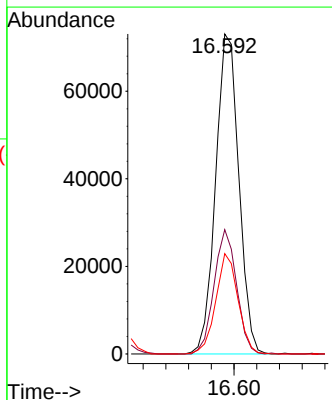
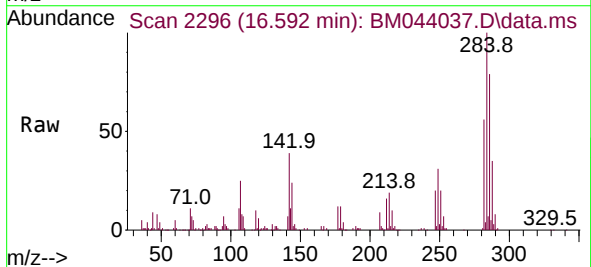
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

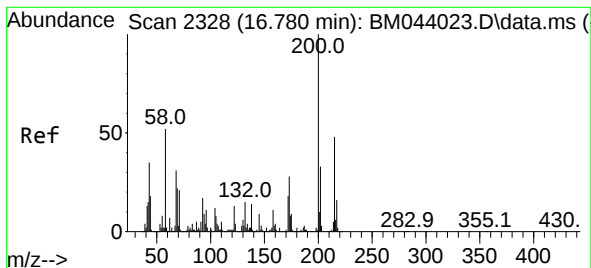
Tgt Ion:248 Resp: 77617
Ion Ratio Lower Upper
248 100
250 97.8 77.4 116.2
141 77.3 61.0 91.6



#68
Hexachlorobenzene
Concen: 3.756 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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# 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

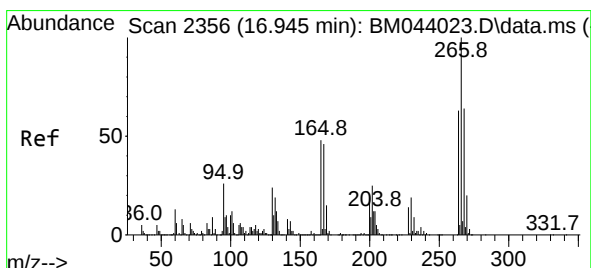
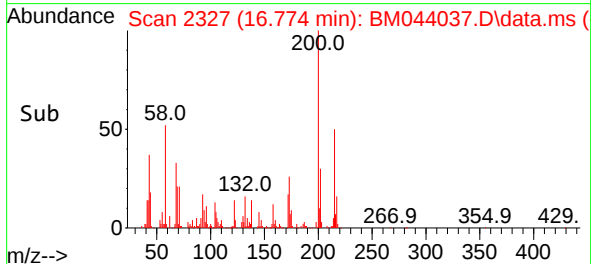
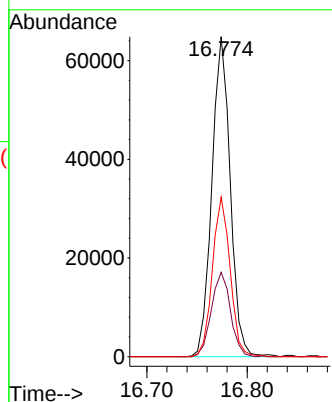
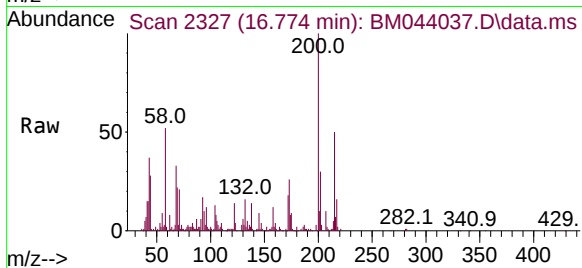
Tgt Ion:200 Resp: 82436

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# 2356

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

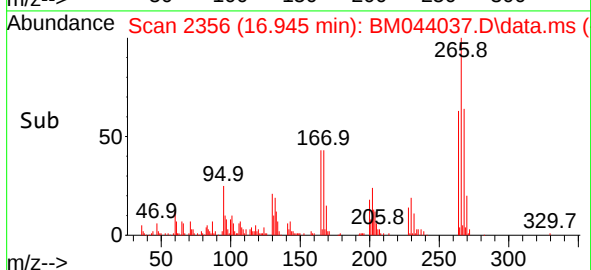
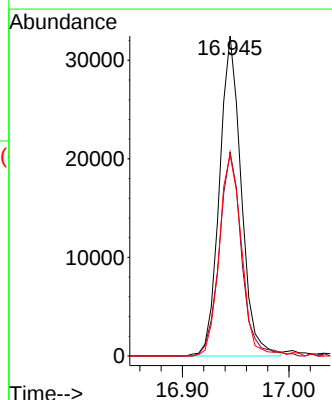
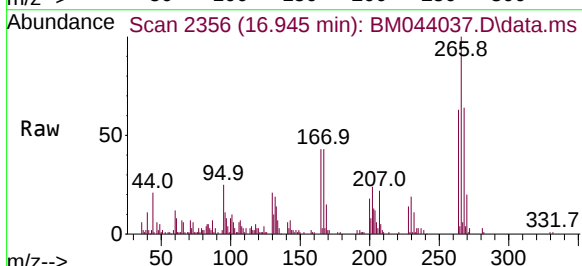
Tgt Ion:266 Resp: 45915

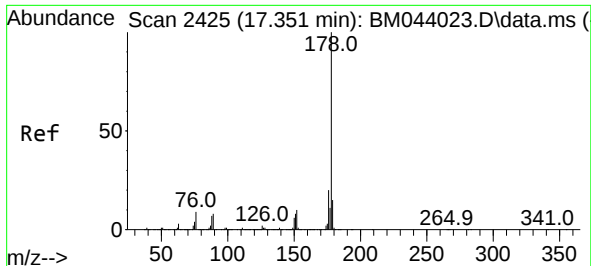
Ion Ratio Lower Upper

266 100

268 63.7 51.1 76.7

264 66.4 50.5 75.7

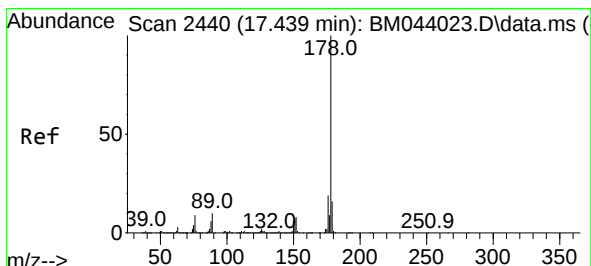
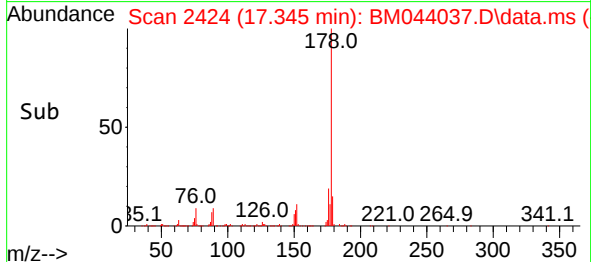
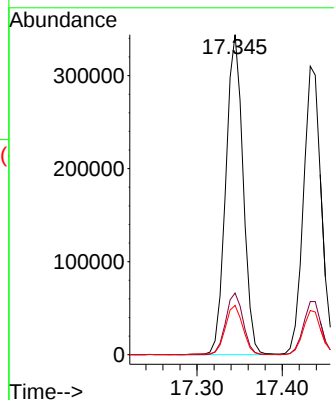
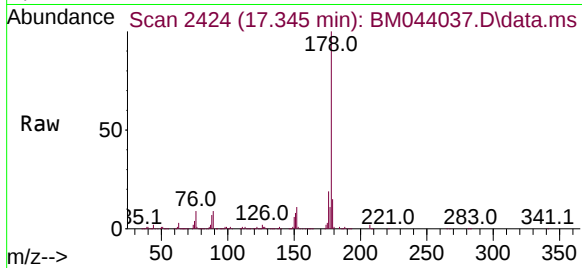




#71
Phenanthrene
Concen: 4.022 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

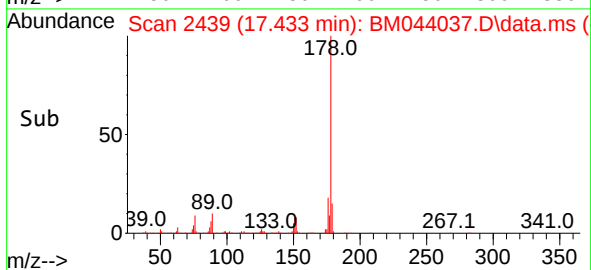
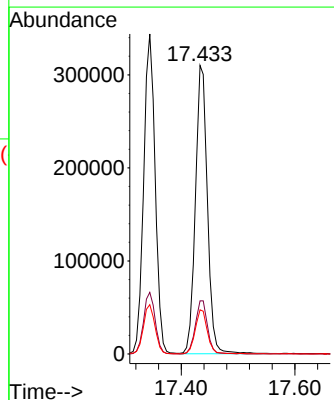
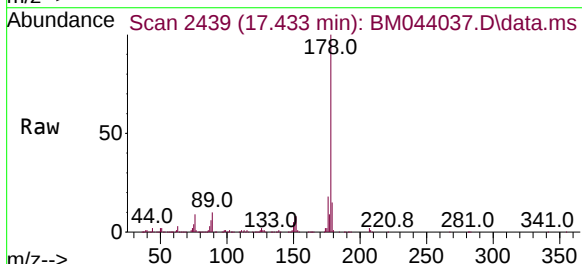
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

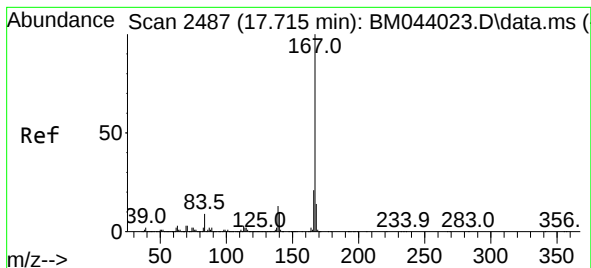
Tgt Ion:178 Resp: 484847
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.4 12.2 18.4



#72
Anthracene
Concen: 3.828 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

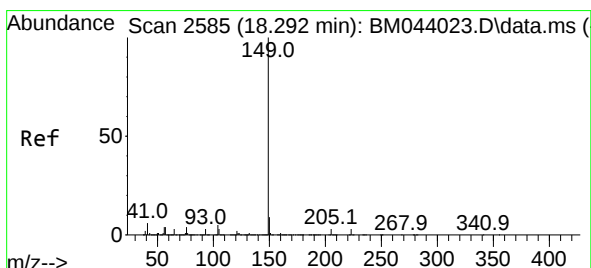
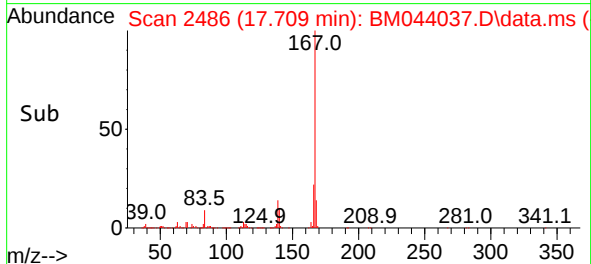
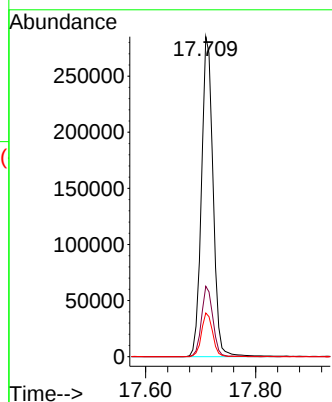
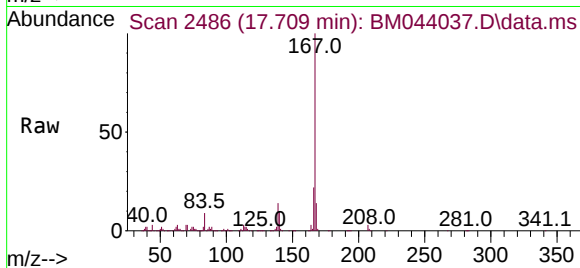
Tgt Ion:167 Resp: 418047

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# 2585

Delta R.T. -0.000 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

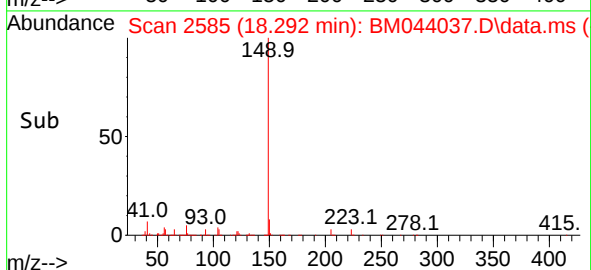
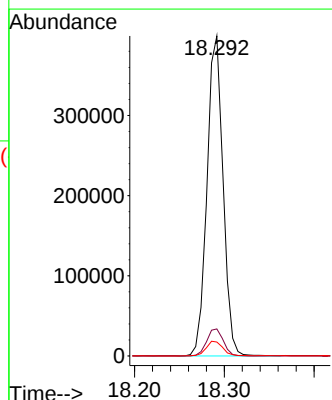
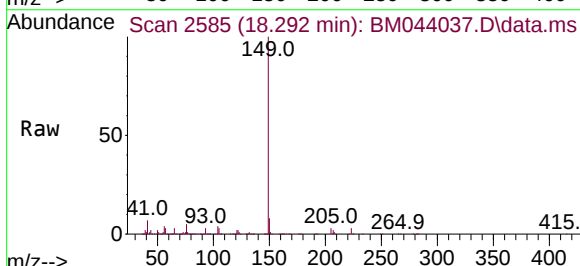
Tgt Ion:149 Resp: 495592

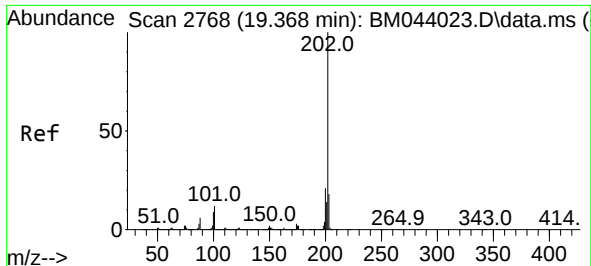
Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.2

104 4.3 3.8 5.6

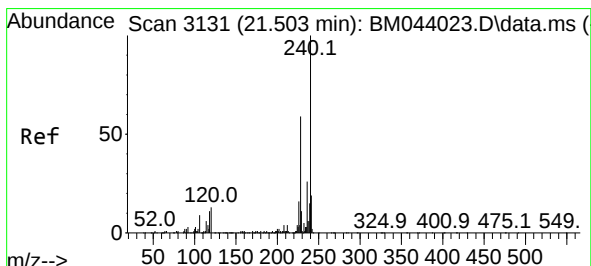
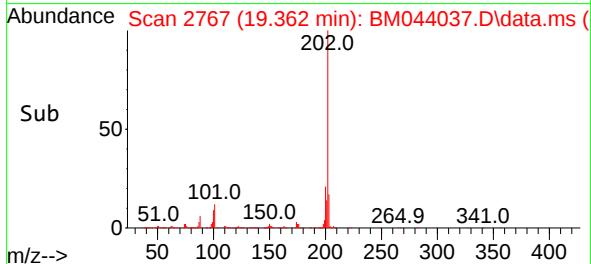
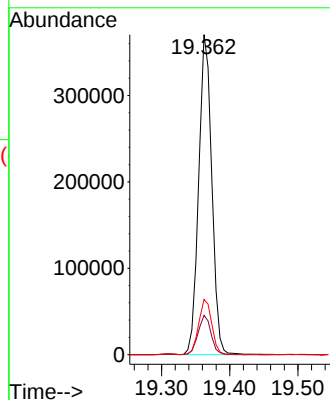
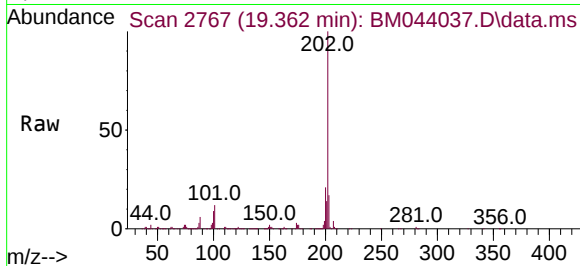




#75
Fluoranthene
Concen: 3.646 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

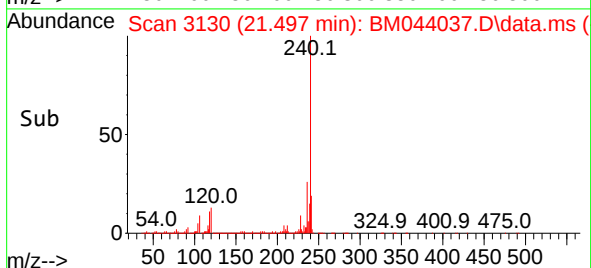
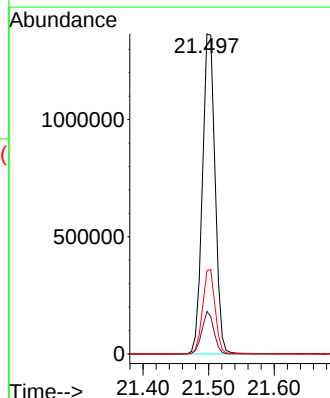
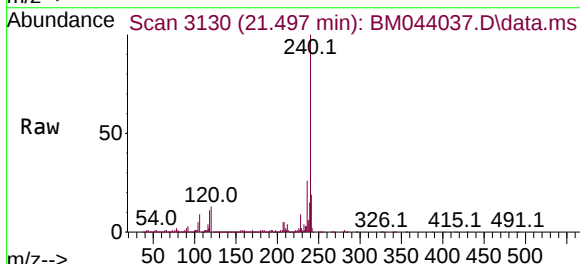
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

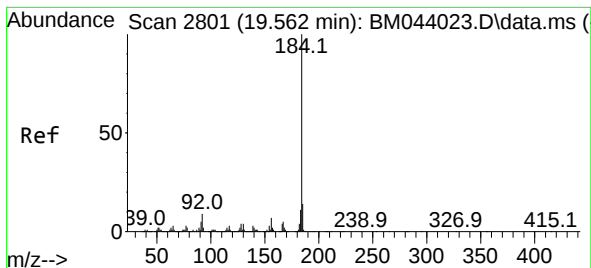
Tgt Ion:202 Resp: 493723
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

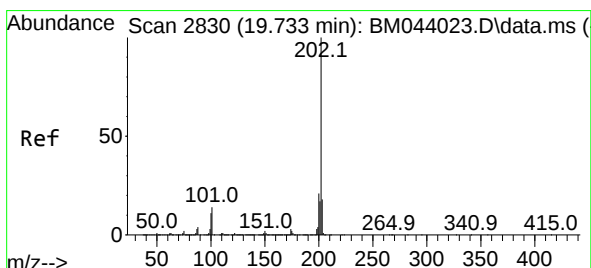
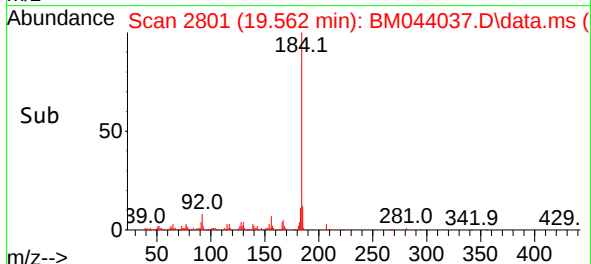
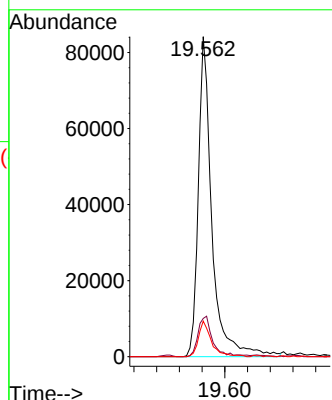
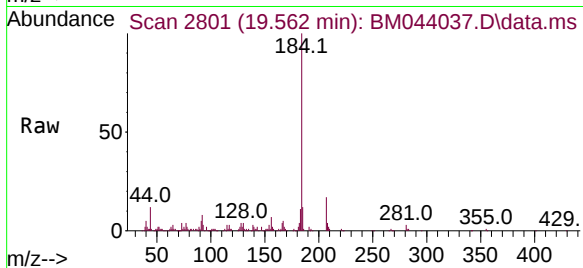
Tgt Ion:184 Resp: 140093

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

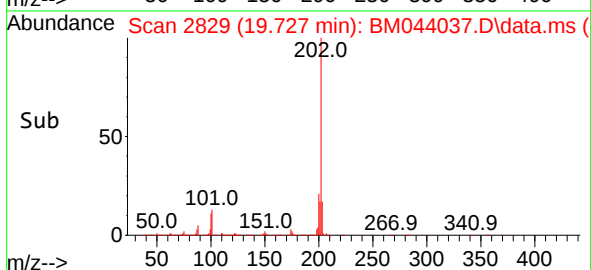
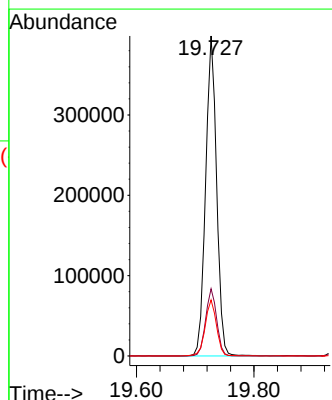
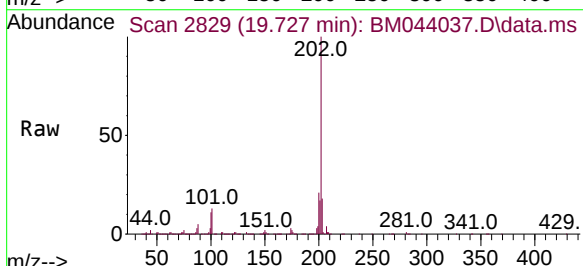
Tgt Ion:202 Resp: 515956

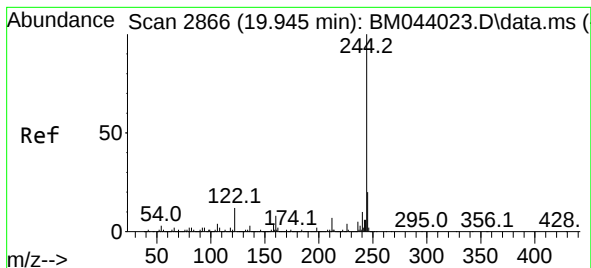
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.000 min

Lab File: BM044037.D

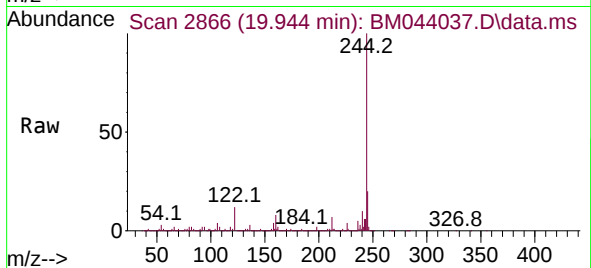
Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



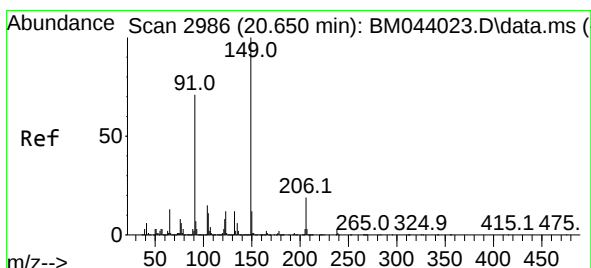
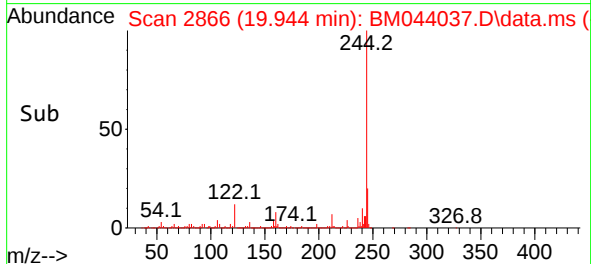
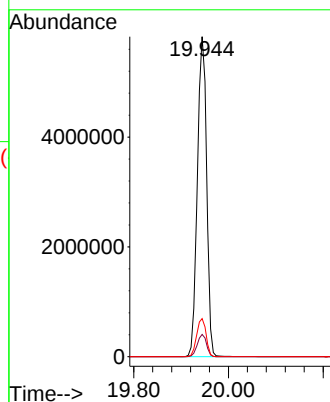
Tgt Ion:244 Resp: 7930389

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

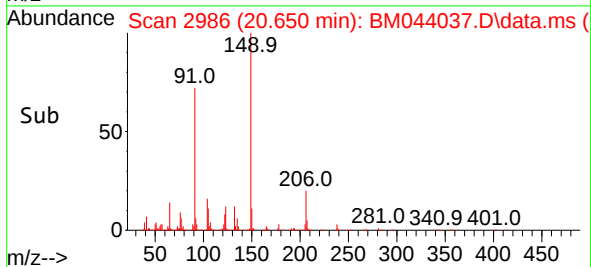
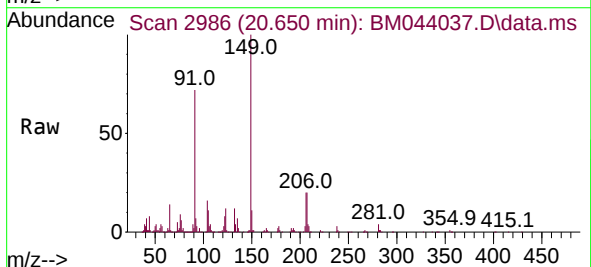
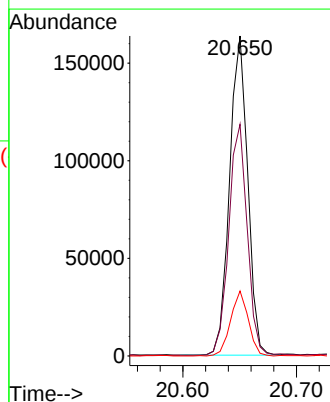
Tgt Ion:149 Resp: 181295

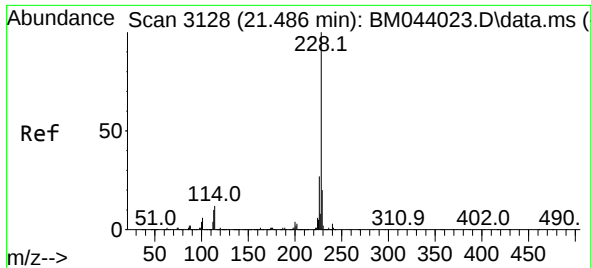
Ion Ratio Lower Upper

149 100

91 72.4 56.8 85.2

206 20.3 15.0 22.6

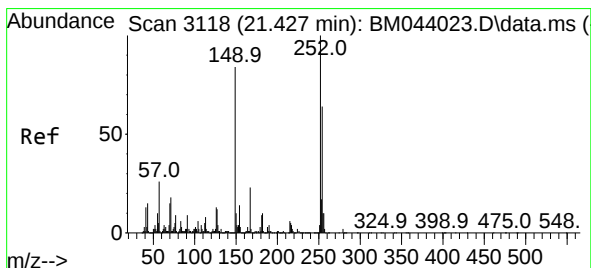
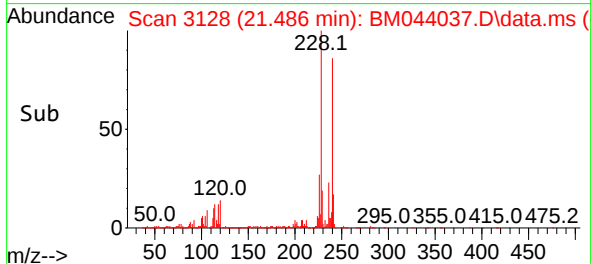
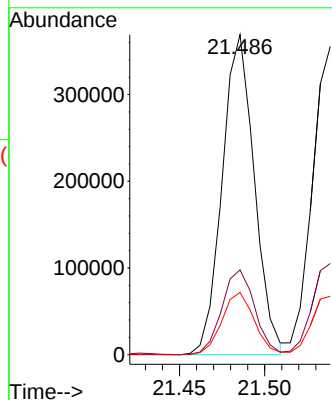
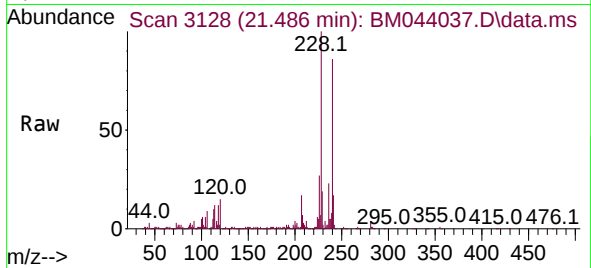




#81
Benzo(a)anthracene
Concen: 3.782 ng
RT: 21.486 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

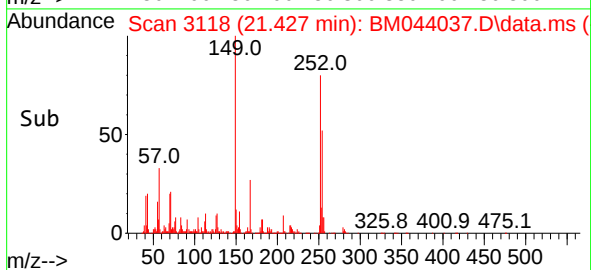
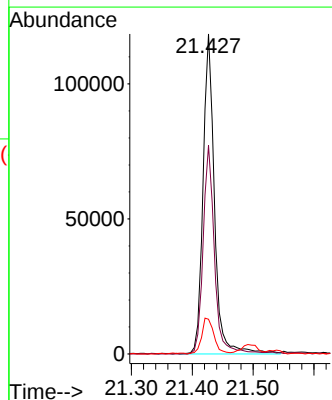
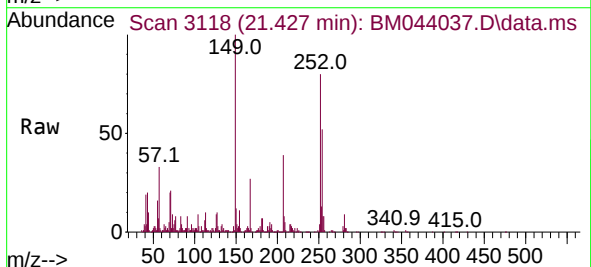
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

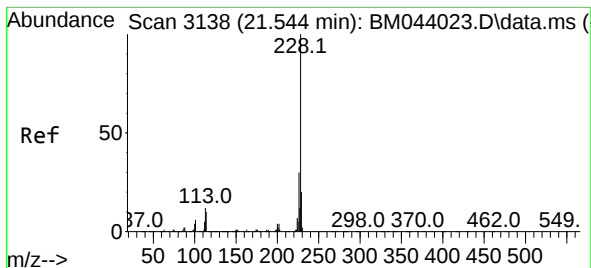
Tgt Ion:228 Resp: 484974
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.2
229 19.5 15.9 23.9



#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

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# 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

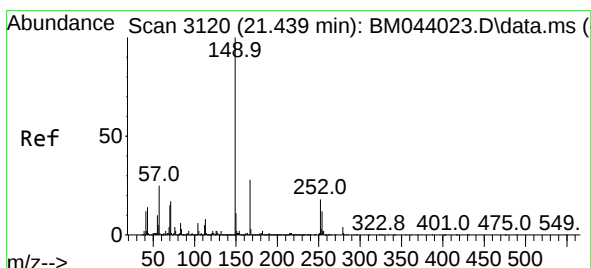
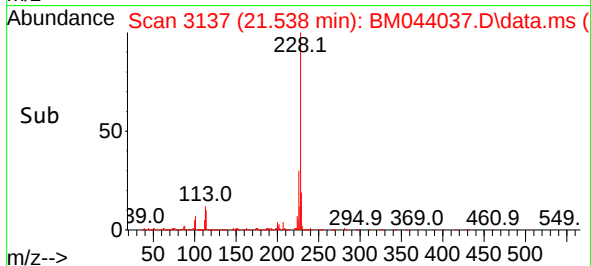
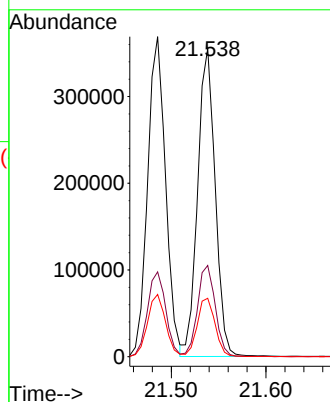
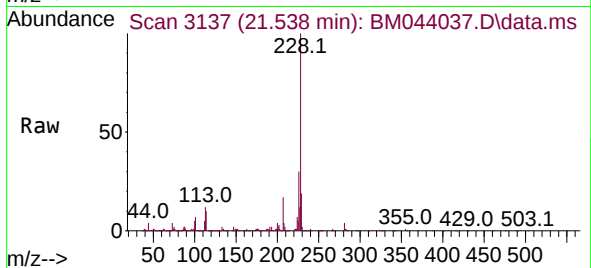
Tgt Ion:228 Resp: 458399

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

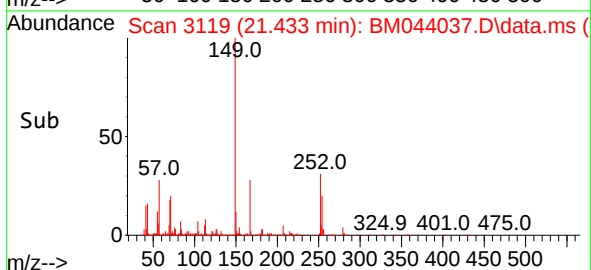
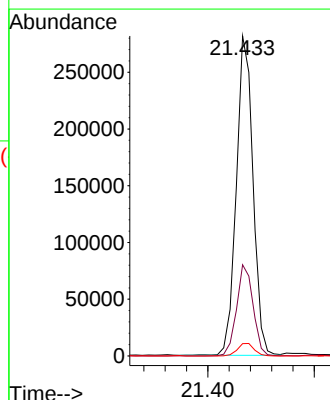
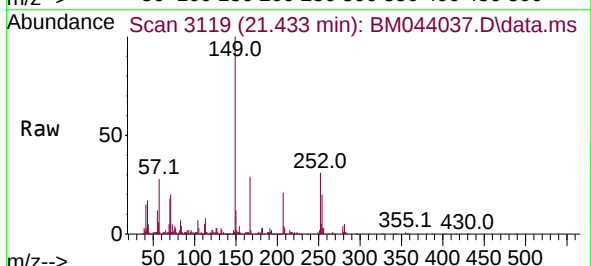
Tgt Ion:149 Resp: 306639

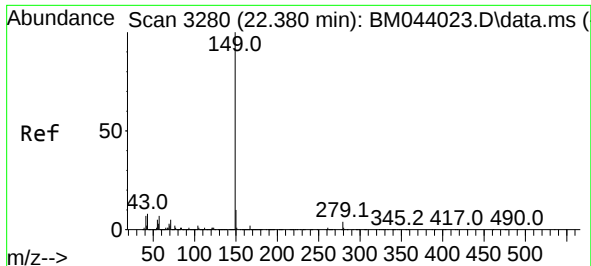
Ion Ratio Lower Upper

149 100

167 28.5 22.6 33.8

279 3.8 3.1 4.7

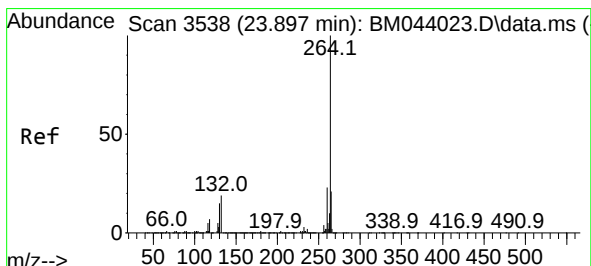
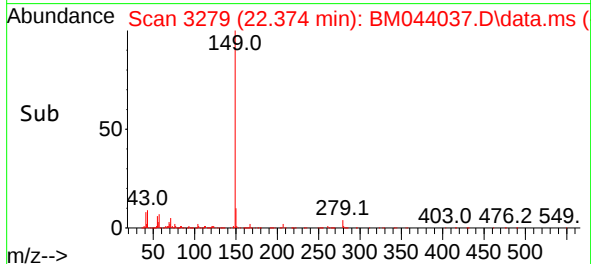
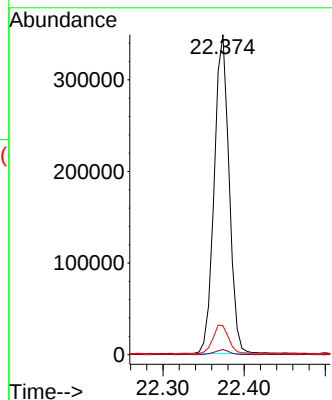
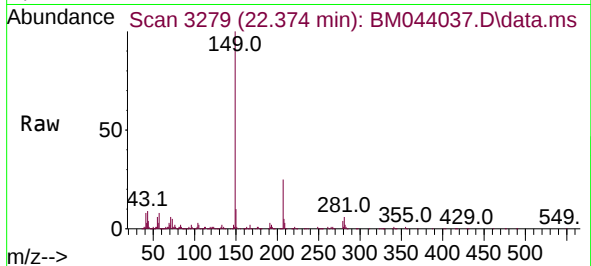




#85
Di-n-octyl phthalate
Concen: 2.730 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

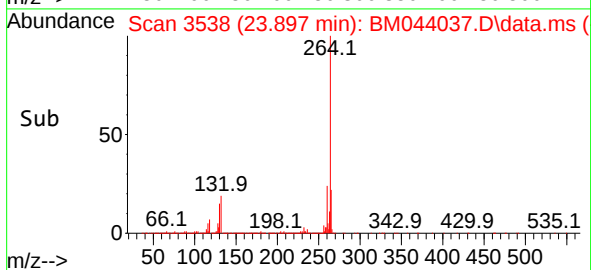
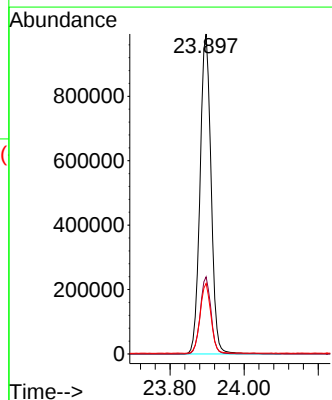
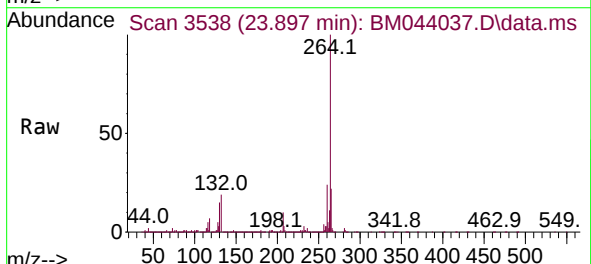
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

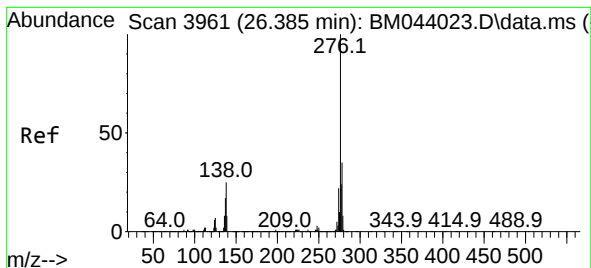
Tgt Ion:149 Resp: 443975
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.6 7.0 10.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.897 min Scan# 3538
Delta R.T. -0.000 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

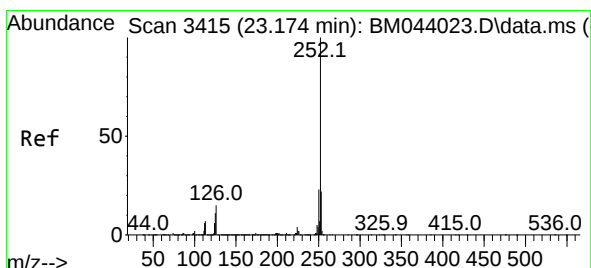
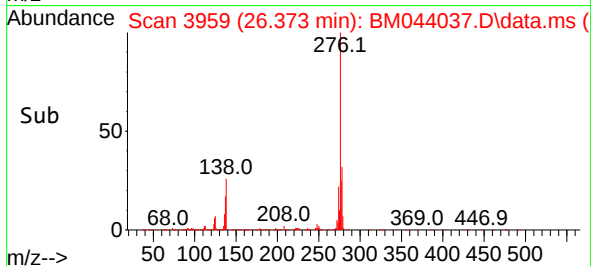
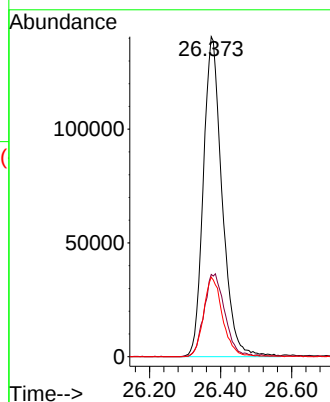
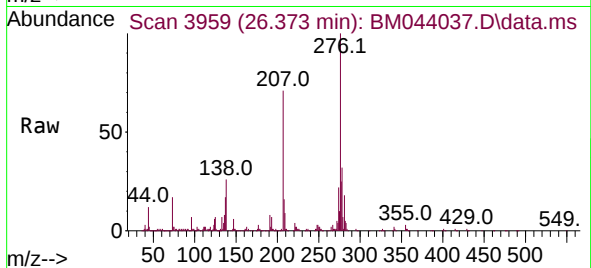
Tgt Ion:276 Resp: 518534

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

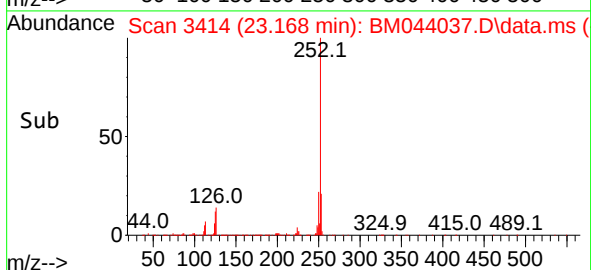
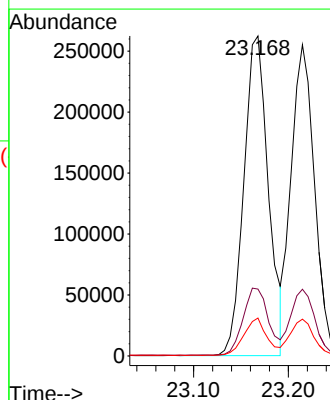
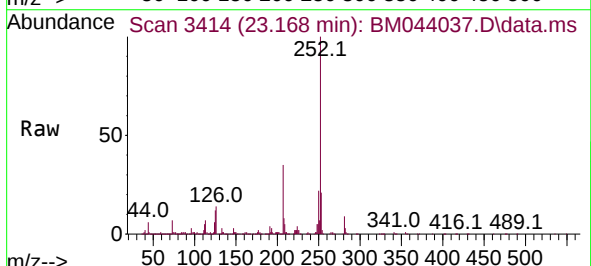
Tgt Ion:252 Resp: 472299

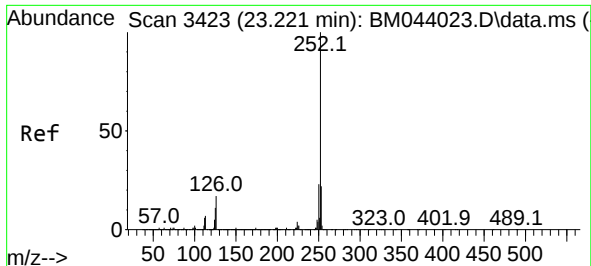
Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

125 11.8 8.8 13.2

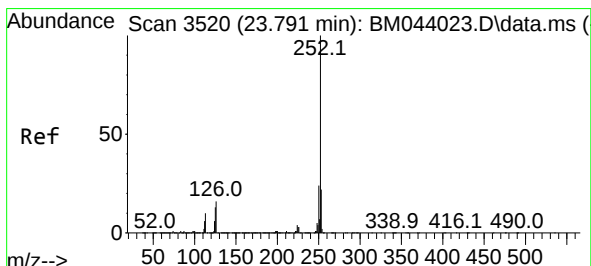
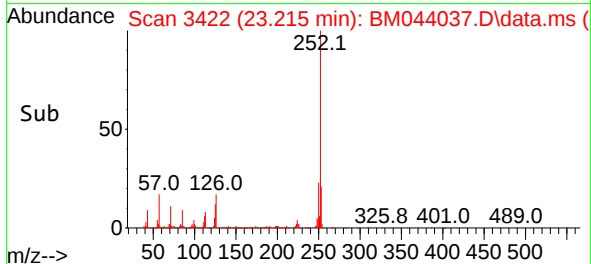
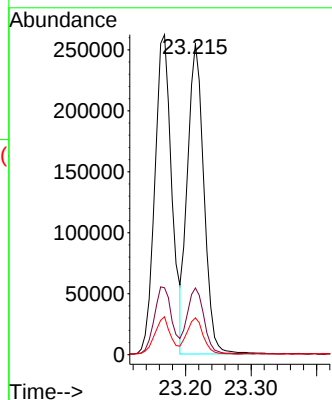
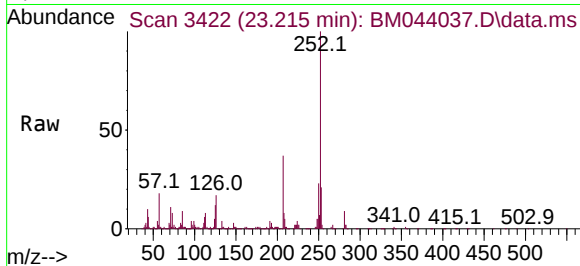




#89
Benzo(k)fluoranthene
Concen: 3.634 ng
RT: 23.215 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

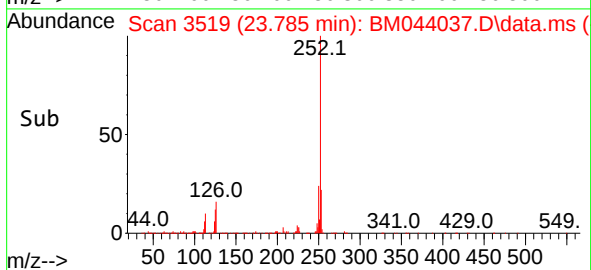
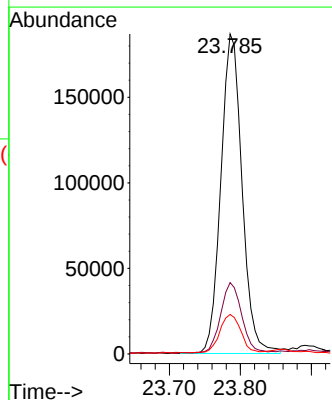
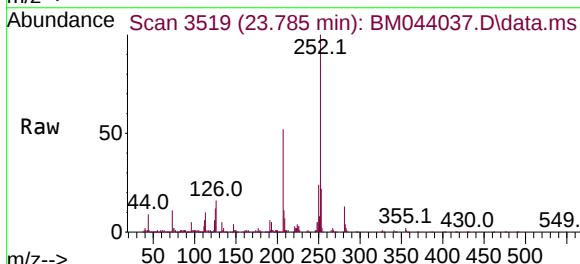
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

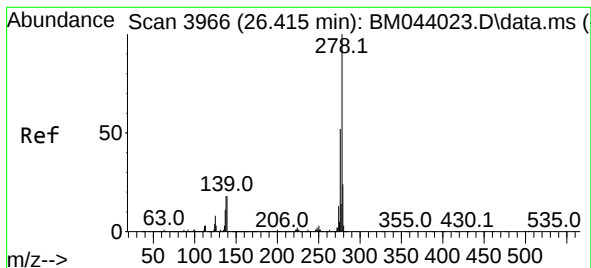
Tgt Ion:252 Resp: 441737
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 11.8 9.0 13.4



#90
Benzo(a)pyrene
Concen: 3.456 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044037.D
Acq: 09 Feb 2024 13:41

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# 3966

Delta R.T. -0.012 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

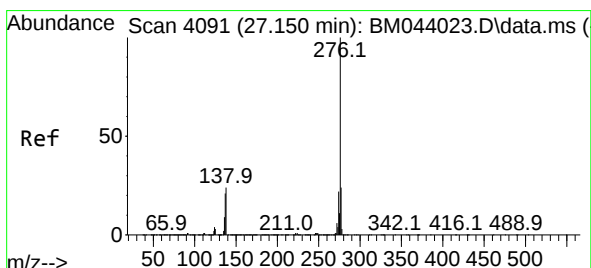
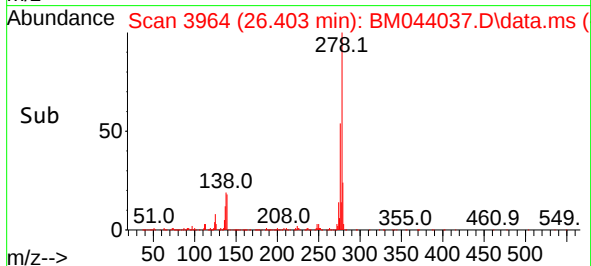
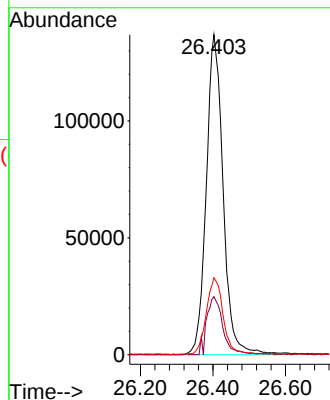
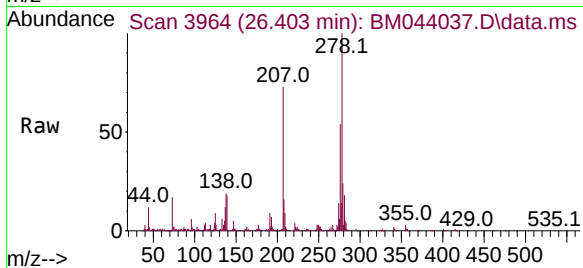
Tgt Ion:278 Resp: 441775

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# 4088

Delta R.T. -0.018 min

Lab File: BM044037.D

Acq: 09 Feb 2024 13:41

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

