

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
 Data File : BM044038.D
 Acq On : 09 Feb 2024 14:17
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-MDL-SOIL-8ppm
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 09 14:46:19 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	600970	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2610692	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1514876	20.000	ng	0.00
64) Phenanthrene-d10	17.303	188	2913917	20.000	ng	0.00
76) Chrysene-d12	21.503	240	2249501	20.000	ng	0.00
86) Perylene-d12	23.897	264	2500805	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	3794404	91.830	ng	0.00
7) Phenol-d6	7.081	99	4980061	94.726	ng	0.00
23) Nitrobenzene-d5	9.080	82	3393552	68.976	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1535122	93.594	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	6970858	64.943	ng	0.00
79) Terphenyl-d14	19.944	244	8330043	64.916	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	117806	7.184	ng	99
3) Pyridine	3.787	79	264713	6.114	ng	98
4) n-Nitrosodimethylamine	3.704	42	113247	6.894	ng	# 93
6) Aniline	7.245	93	430075	8.320	ng	100
8) 2-Chlorophenol	7.469	128	304302	7.052	ng	99
9) Benzaldehyde	7.057	77	272384	10.082	ng	99
10) Phenol	7.104	94	380425	7.170	ng	98
11) bis(2-Chloroethyl)ether	7.345	93	318856	7.257	ng	98
12) 1,3-Dichlorobenzene	7.792	146	337841	6.896	ng	99
13) 1,4-Dichlorobenzene	7.945	146	349807	7.084	ng	99
14) 1,2-Dichlorobenzene	8.257	146	330154	7.016	ng	98
15) Benzyl Alcohol	8.151	79	253302	7.400	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.445	45	411737	7.392	ng	100
17) 2-Methylphenol	8.351	107	247247	7.099	ng	97
18) Hexachloroethane	8.980	117	127301	6.885	ng	98
19) n-Nitroso-di-n-propyla...	8.722	70	243304	7.537	ng	99
20) 3+4-Methylphenols	8.680	107	327957	6.841	ng	99
22) Acetophenone	8.739	105	484297	7.308	ng	# 98
24) Nitrobenzene	9.122	77	353924	7.025	ng	99
25) Isophorone	9.639	82	654051	6.904	ng	98
26) 2-Nitrophenol	9.827	139	149223	6.388	ng	98
27) 2,4-Dimethylphenol	9.886	122	214801	7.192	ng	99
28) bis(2-Chloroethoxy)met...	10.133	93	432937	7.066	ng	99
29) 2,4-Dichlorophenol	10.357	162	262655	6.679	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	299173	6.766	ng	99
31) Naphthalene	10.757	128	993409	6.894	ng	99
32) Benzoic acid	9.969	122	123285	4.098	ng	97
33) 4-Chloroaniline	10.880	127	396829	7.273	ng	99
34) Hexachlorobutadiene	11.033	225	166490	6.578	ng	99
35) Caprolactam	11.651	113	79129	6.253	ng	99
36) 4-Chloro-3-methylphenol	11.998	107	280848	6.596	ng	100
37) 2-Methylnaphthalene	12.374	142	656203	6.837	ng	96
38) 1-Methylnaphthalene	12.592	142	639804	6.784	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	311924	7.084	ng	99
41) Hexachlorocyclopentadiene	12.710	237	131653	6.851	ng	99
43) 2,4,6-Trichlorophenol	12.980	196	193480	6.457	ng	100

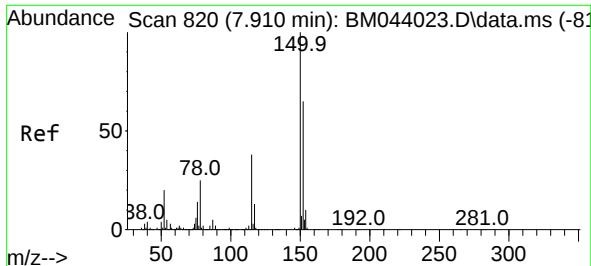
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	214377	6.519	ng	99
46) 1,1'-Biphenyl	13.386	154	870764	7.285	ng	99
47) 2-Chloronaphthalene	13.427	162	651469	6.880	ng	100
48) 2-Nitroaniline	13.639	65	171696	6.445	ng	93
49) Acenaphthylene	14.274	152	1058202	7.491	ng	99
50) Dimethylphthalate	14.021	163	782974	6.971	ng	99
51) 2,6-Dinitrotoluene	14.139	165	154644	6.241	ng	93
52) Acenaphthene	14.615	154	606274	6.934	ng	100
53) 3-Nitroaniline	14.468	138	169367	6.360	ng	94
54) 2,4-Dinitrophenol	14.668	184	59155	9.287	ng	94
55) Dibenzofuran	14.951	168	974070	7.198	ng	100
56) 4-Nitrophenol	14.768	139	124942	5.771	ng	97
57) 2,4-Dinitrotoluene	14.921	165	195685	6.042	ng	97
58) Fluorene	15.598	166	759898	7.267	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	177971	6.897	ng	99
60) Diethylphthalate	15.386	149	776817	6.692	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	365646	7.217	ng	99
62) 4-Nitroaniline	15.627	138	165246	6.164	ng	98
63) Azobenzene	15.892	77	757690	6.957	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	88223	5.081	ng	98
66) n-Nitrosodiphenylamine	15.815	169	639440	7.223	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	178236	6.187	ng	97
68) Hexachlorobenzene	16.592	284	239347	6.782	ng	98
69) Atrazine	16.774	200	199940	8.341	ng	100
70) Pentachlorophenol	16.945	266	124515	5.424	ng	98
71) Phenanthrene	17.345	178	1121320	7.287	ng	100
72) Anthracene	17.433	178	1078694	7.081	ng	99
73) Carbazole	17.709	167	1022871	6.904	ng	100
74) Di-n-butylphthalate	18.292	149	1231674	6.396	ng	100
75) Fluoranthene	19.362	202	1152205	6.666	ng	99
77) Benzidine	19.562	184	419162	11.990	ng	99
78) Pyrene	19.727	202	1208461	6.975	ng	100
80) Butylbenzylphthalate	20.650	149	461701	5.995	ng	97
81) Benzo(a)anthracene	21.486	228	1091759	6.977	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	374571	7.296	ng	98
83) Chrysene	21.538	228	1015859	6.872	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	709593	6.245	ng	99
85) Di-n-octyl phthalate	22.374	149	1119053	5.639	ng	99
87) Indeno(1,2,3-cd)pyrene	26.373	276	1210970	6.842	ng	100
88) Benzo(b)fluoranthene	23.168	252	1061110	6.788	ng	99
89) Benzo(k)fluoranthene	23.215	252	1003932	6.758	ng	98
90) Benzo(a)pyrene	23.785	252	902193	6.607	ng	100
91) Dibenzo(a,h)anthracene	26.403	278	1032688	6.975	ng	99
92) Benzo(g,h,i)perylene	27.132	276	979961	6.527	ng	98

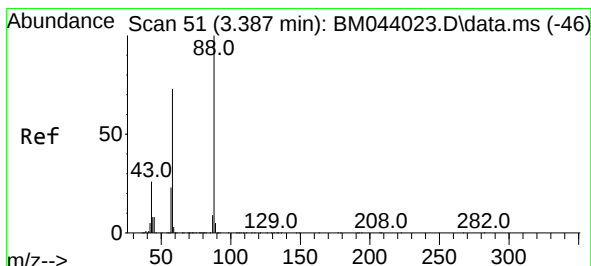
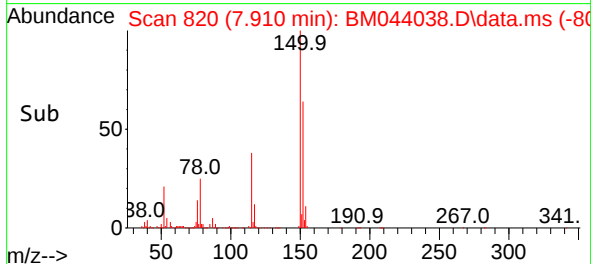
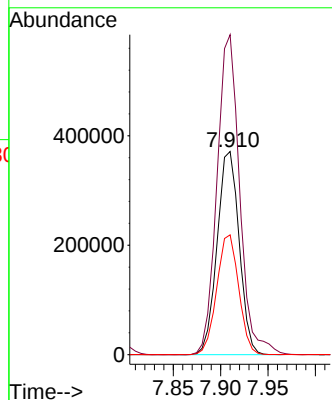
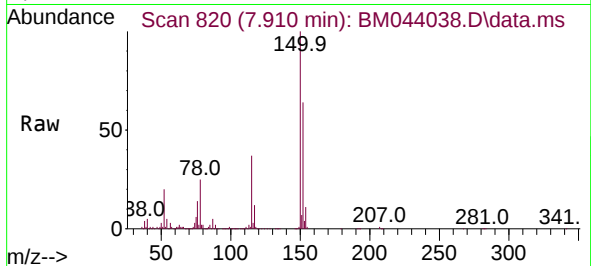
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.910 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM044038.D
 Acq: 09 Feb 2024 14:17

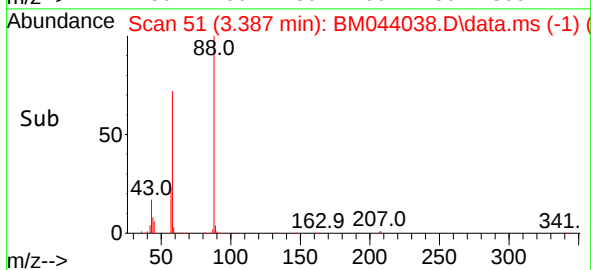
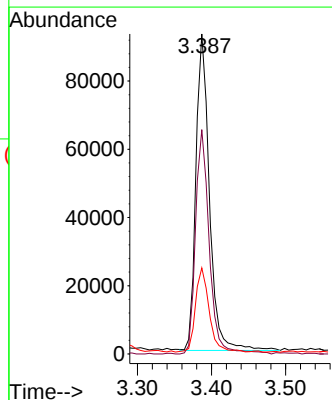
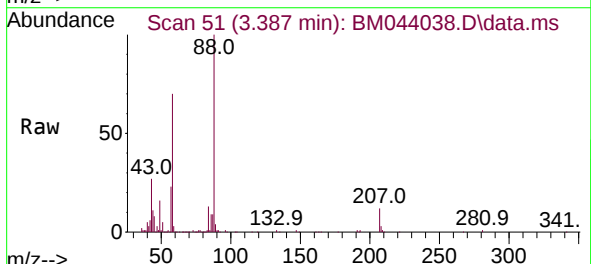
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

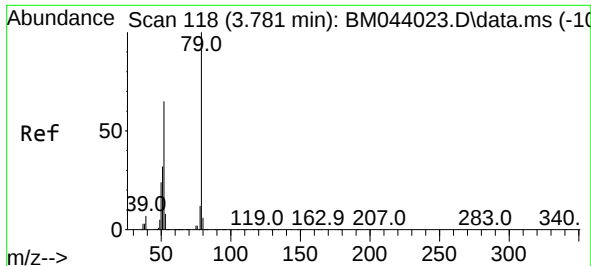
Tgt Ion:152 Resp: 600970
 Ion Ratio Lower Upper
 152 100
 150 157.5 122.7 184.1
 115 59.0 47.0 70.6



#2
 1,4-Dioxane
 Concen: 7.184 ng
 RT: 3.387 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BM044038.D
 Acq: 09 Feb 2024 14:17

Tgt Ion: 88 Resp: 117806
 Ion Ratio Lower Upper
 88 100
 58 71.9 58.1 87.1
 43 26.8 21.1 31.7

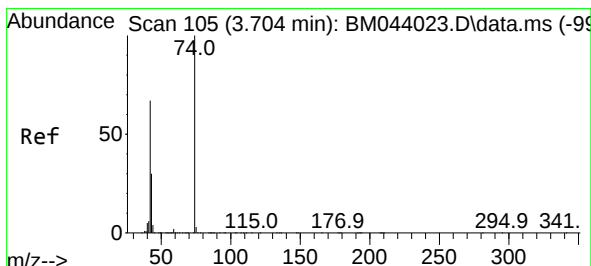
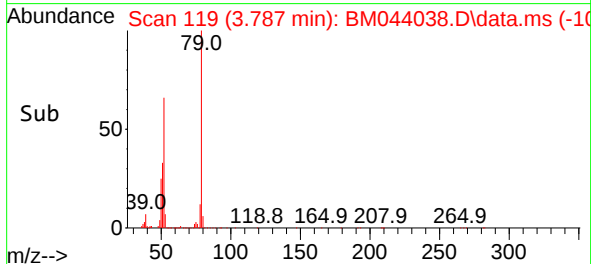
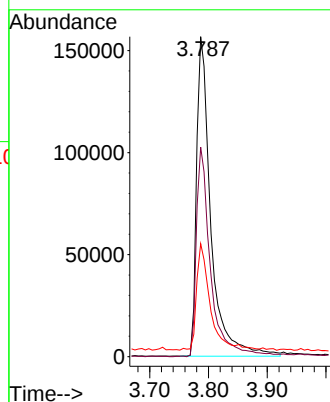
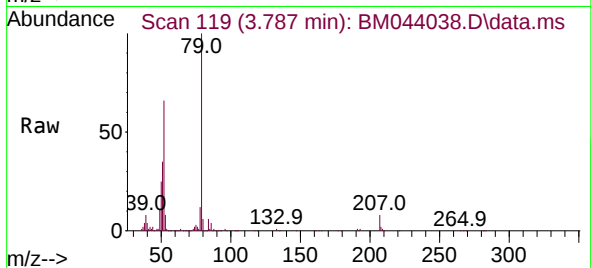




#3
Pyridine
Concen: 6.114 ng
RT: 3.787 min Scan# 118
Delta R.T. 0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

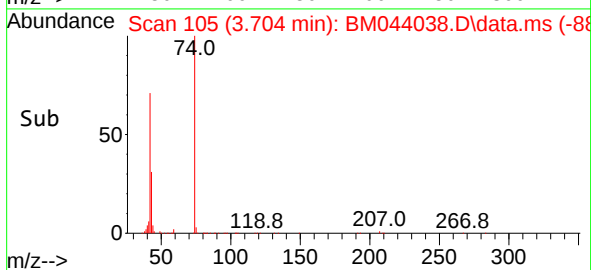
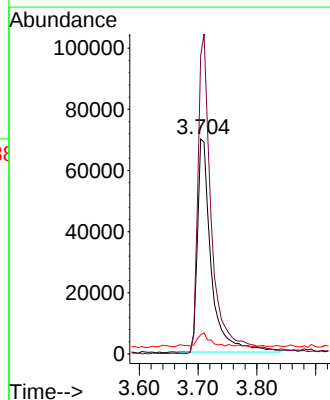
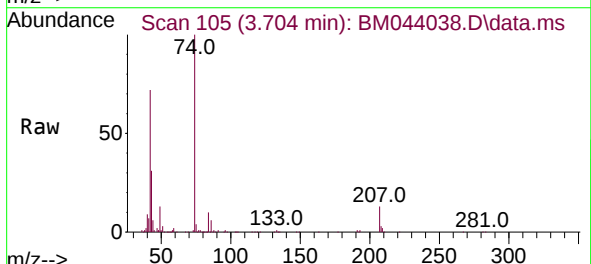
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

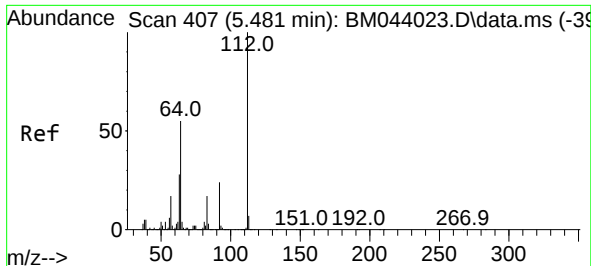
Tgt Ion: 79 Resp: 264713
Ion Ratio Lower Upper
79 100
52 65.5 52.2 78.2
51 35.3 26.2 39.4



#4
n-Nitrosodimethylamine
Concen: 6.894 ng
RT: 3.704 min Scan# 105
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 42 Resp: 113247
Ion Ratio Lower Upper
42 100
74 138.9 118.6 178.0
44 9.0 5.6 8.4

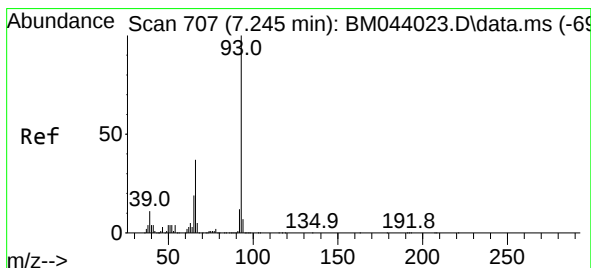
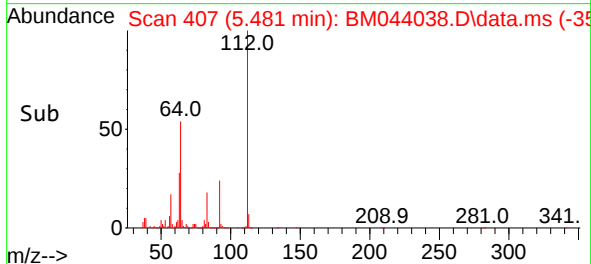
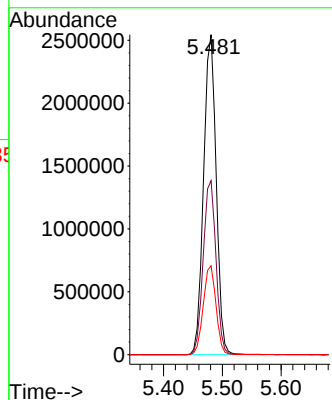
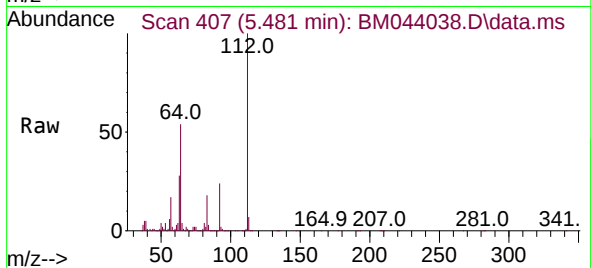




#5
2-Fluorophenol
Concen: 91.830 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

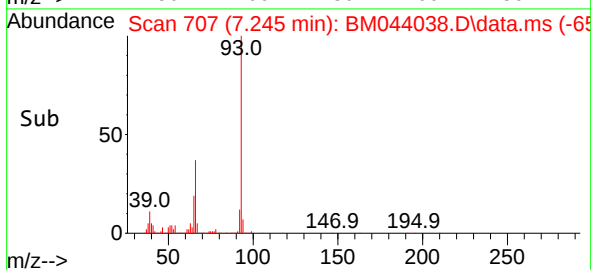
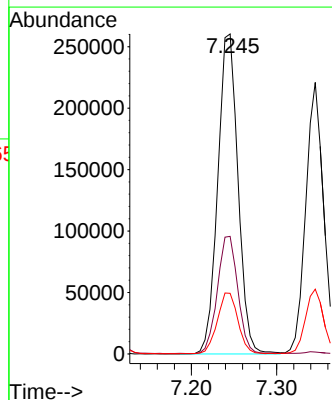
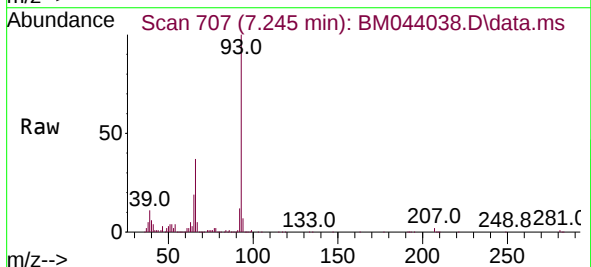
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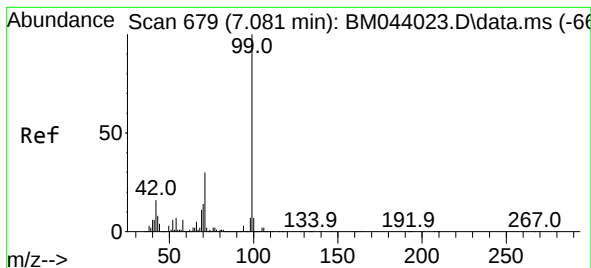
Tgt Ion:112 Resp: 3794404
Ion Ratio Lower Upper
112 100
64 54.4 44.2 66.4
63 27.8 22.6 34.0



#6
Aniline
Concen: 8.320 ng
RT: 7.245 min Scan# 707
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 93 Resp: 430075
Ion Ratio Lower Upper
93 100
66 36.8 29.4 44.0
65 18.9 15.2 22.8



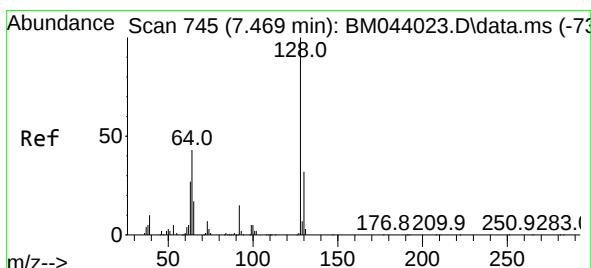
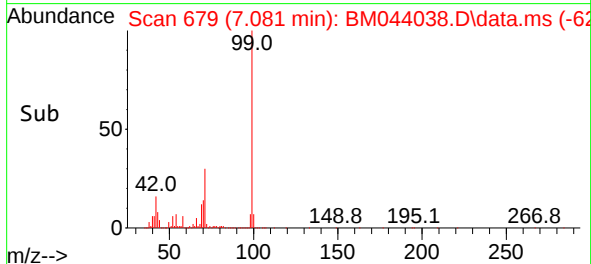
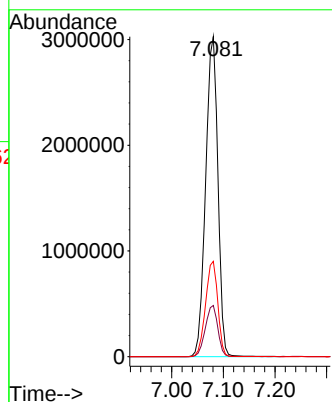
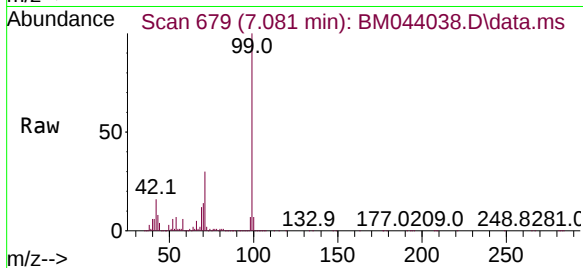


#7
Phenol-d6
Concen: 94.726 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

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

Tgt Ion: 99 Resp: 4980061

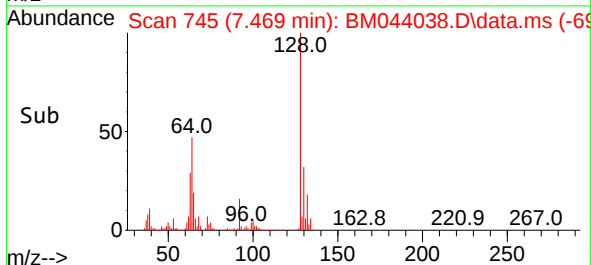
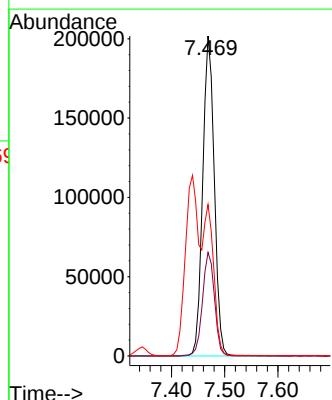
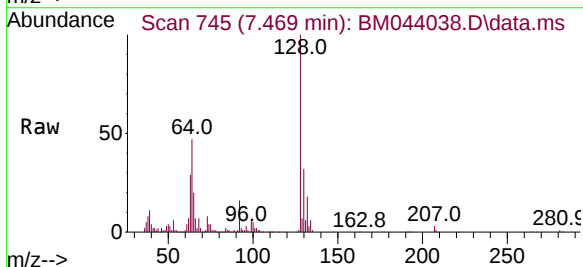
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.9	19.3
71	29.8	23.9	35.9

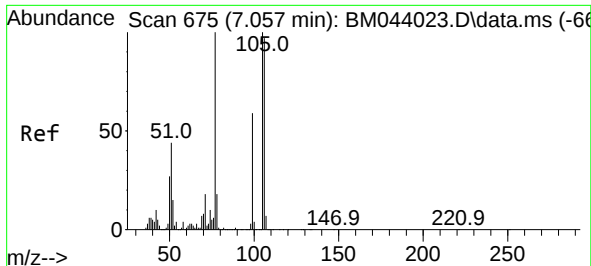


#8
2-Chlorophenol
Concen: 7.052 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 128 Resp: 304302

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.1	52.1
64	47.3	26.0	66.0

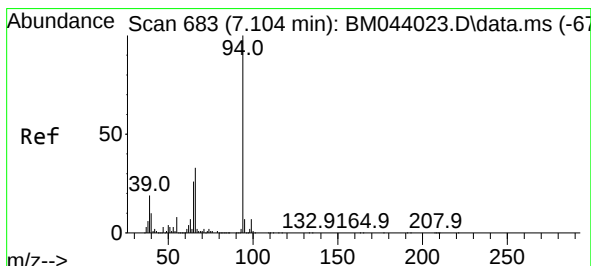
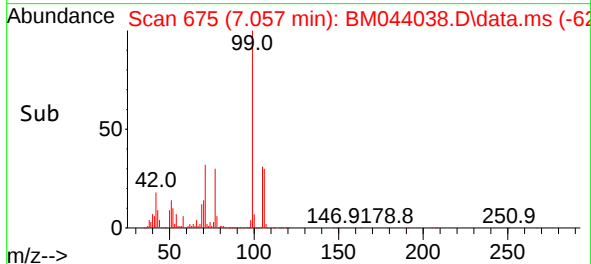
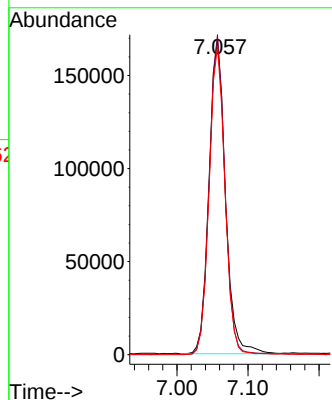
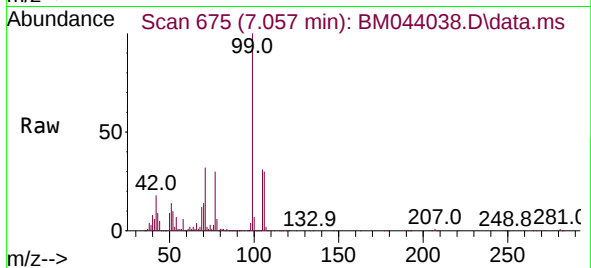




#9
Benzaldehyde
Concen: 10.082 ng
RT: 7.057 min Scan# 675
Delta R.T. 0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

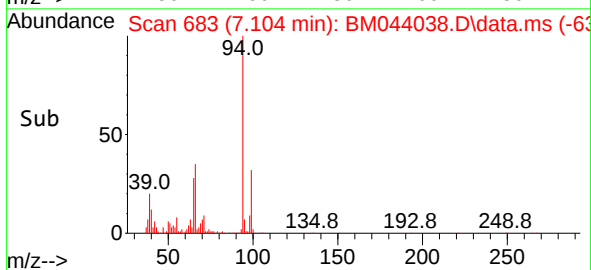
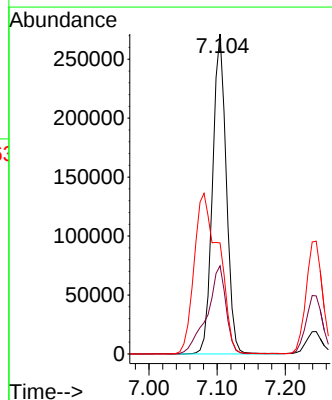
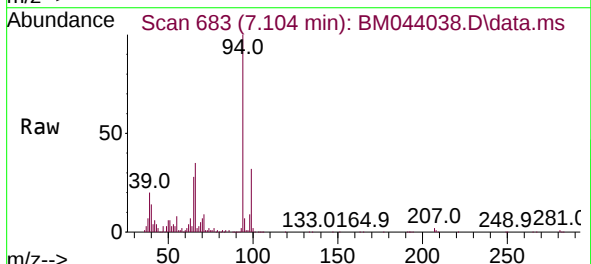
Instrument :
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LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 77 Resp: 272384
Ion Ratio Lower Upper
77 100
105 101.6 80.0 120.0
106 97.9 76.8 116.8



#10
Phenol
Concen: 7.170 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 94 Resp: 380425
Ion Ratio Lower Upper
94 100
65 27.6 6.4 46.4
66 34.7 13.2 53.2

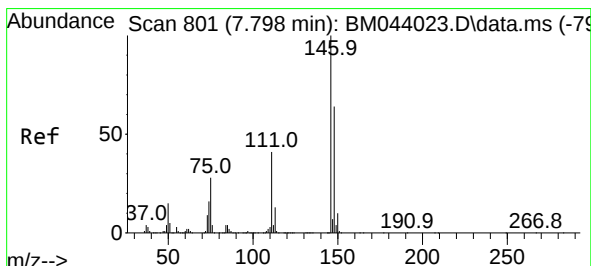
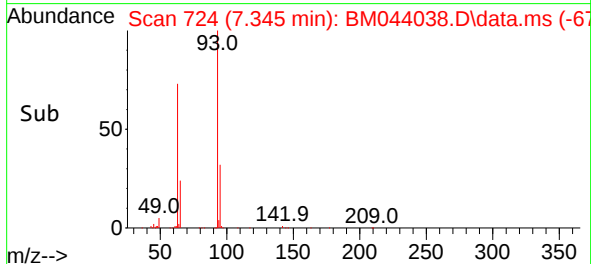
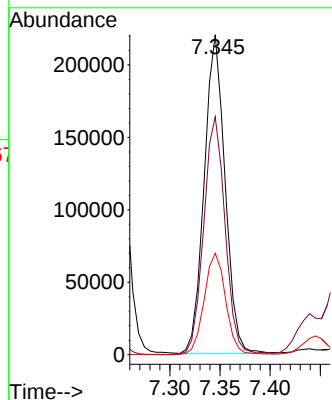
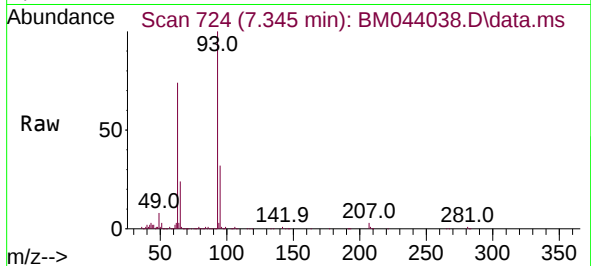




#11
bis(2-Chloroethyl)ether
Concen: 7.257 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

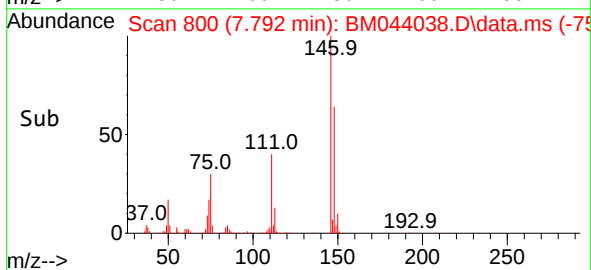
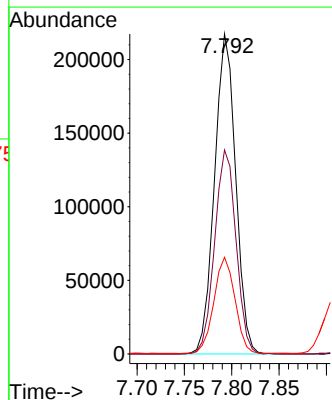
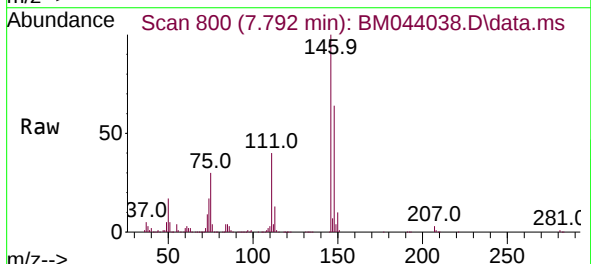
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

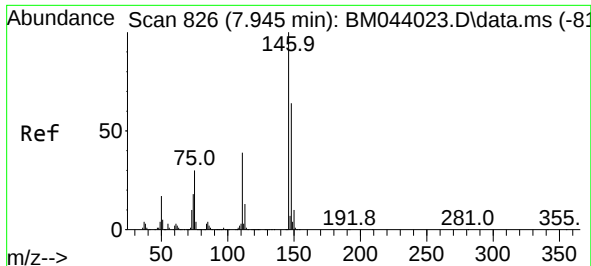
Tgt Ion: 93 Resp: 318856
Ion Ratio Lower Upper
93 100
63 74.4 55.9 95.9
95 31.7 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 6.896 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:146 Resp: 337841
Ion Ratio Lower Upper
146 100
148 63.7 51.3 76.9
75 30.2 22.7 34.1

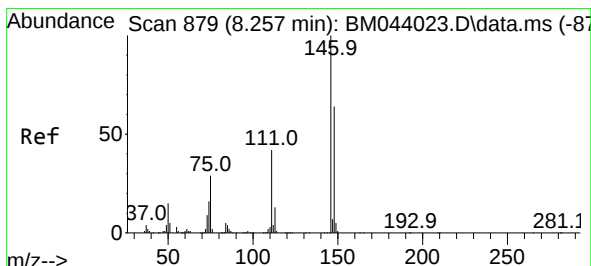
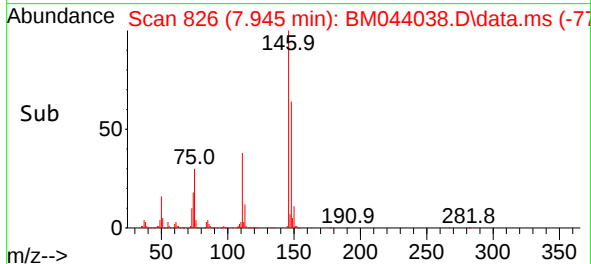
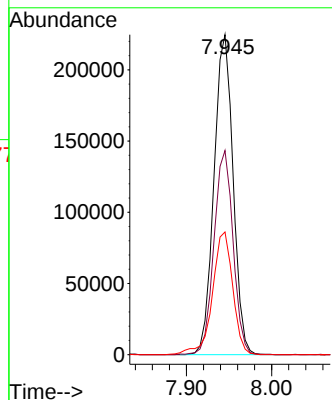
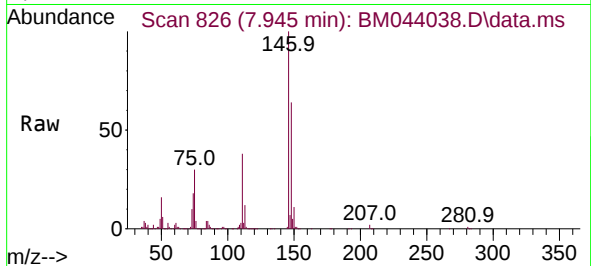




#13
1,4-Dichlorobenzene
Concen: 7.084 ng
RT: 7.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

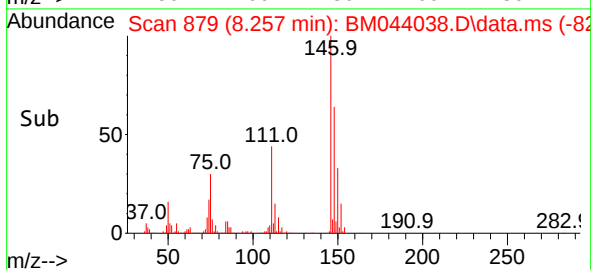
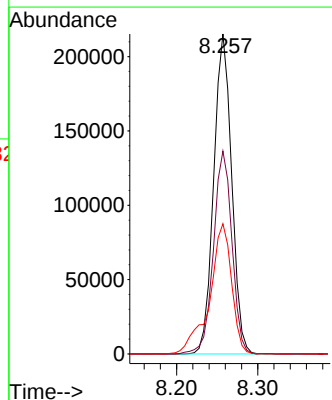
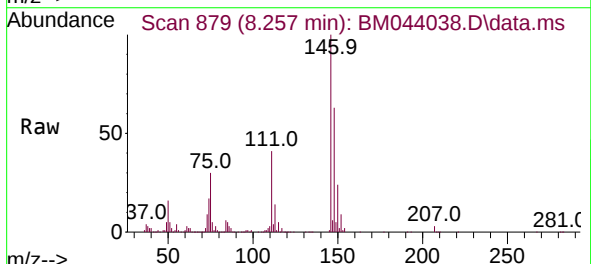
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

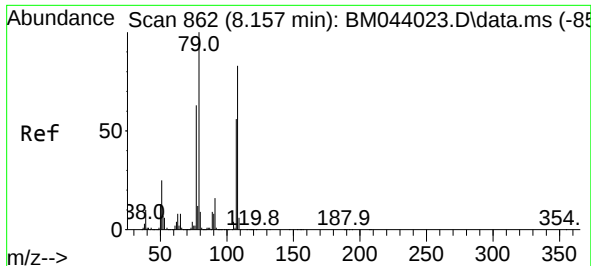
Tgt Ion:146 Resp: 349807
Ion Ratio Lower Upper
146 100
148 63.8 51.2 76.8
111 38.3 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 7.016 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:146 Resp: 330154
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.2
111 40.7 33.7 50.5

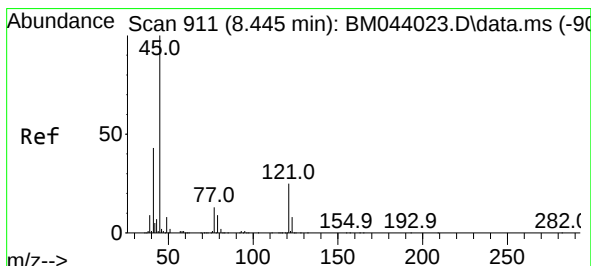
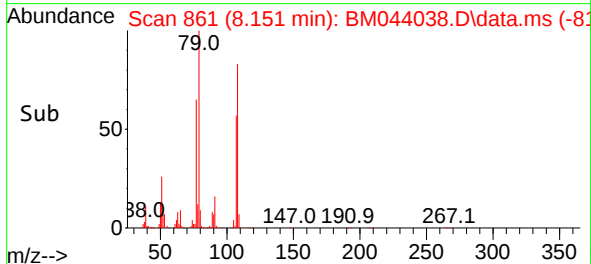
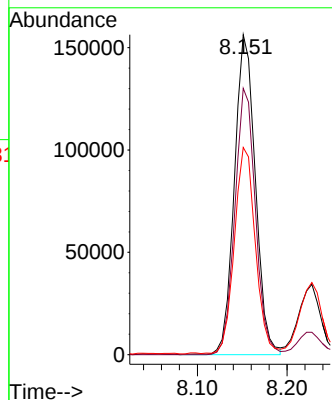
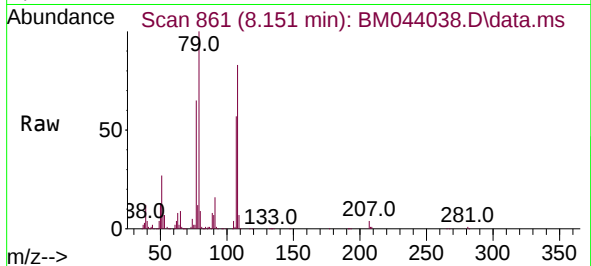




#15
Benzyl Alcohol
Concen: 7.400 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

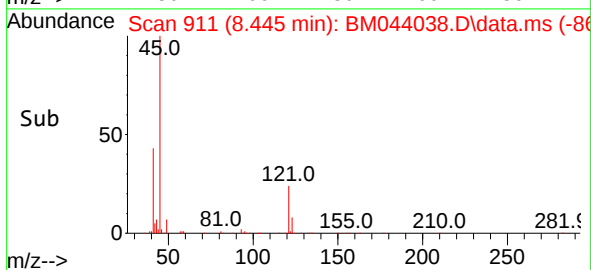
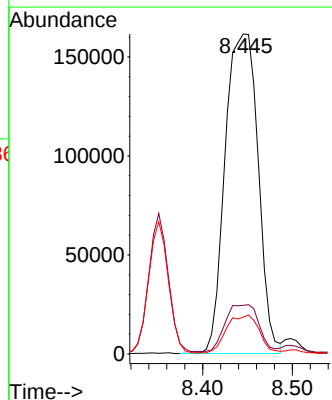
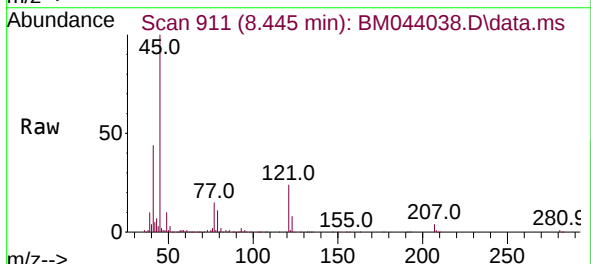
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

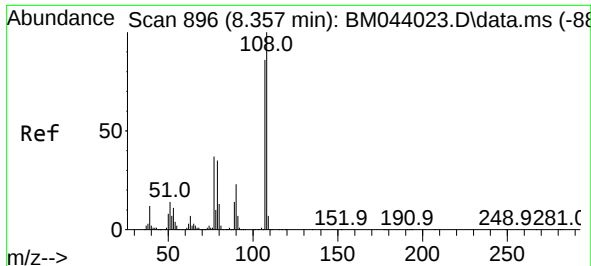
Tgt Ion: 79 Resp: 253302
Ion Ratio Lower Upper
79 100
108 83.3 66.0 99.0
77 64.8 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.392 ng
RT: 8.445 min Scan# 911
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 45 Resp: 411737
Ion Ratio Lower Upper
45 100
77 15.2 0.0 35.1
79 11.5 0.0 31.5

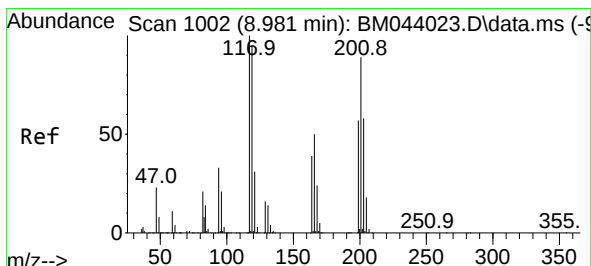
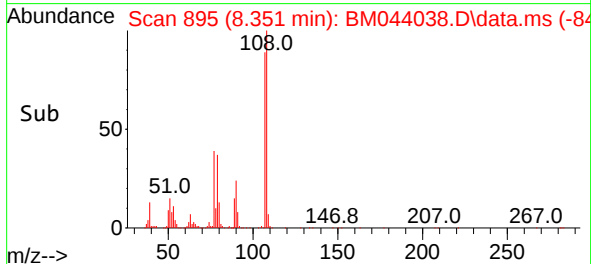
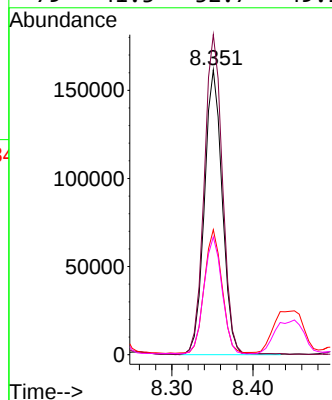
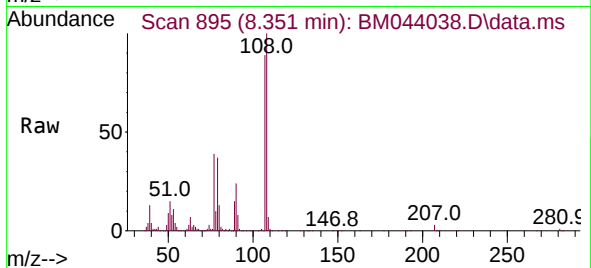




#17
2-Methylphenol
Concen: 7.099 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

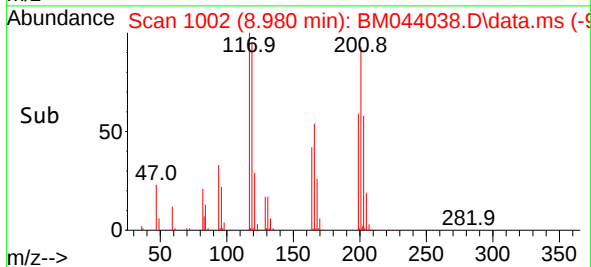
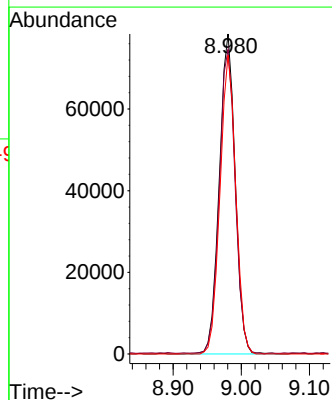
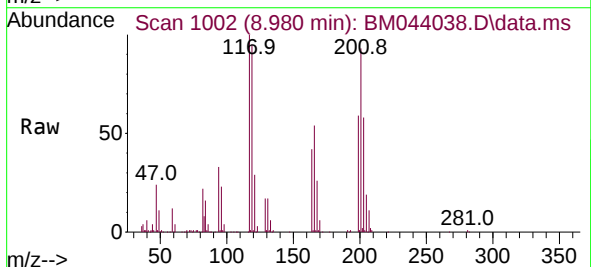
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

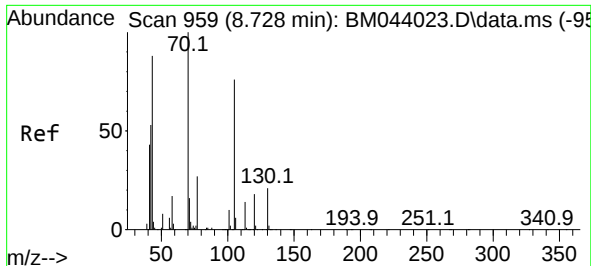
Tgt Ion:	107	Resp:	247247
Ion	Ratio	Lower	Upper
107	100		
108	112.4	93.4	140.2
77	43.9	34.7	52.1
79	41.3	32.7	49.1



#18
Hexachloroethane
Concen: 6.885 ng
RT: 8.980 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:	117	Resp:	127301
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.7	113.5
201	93.3	71.5	107.3

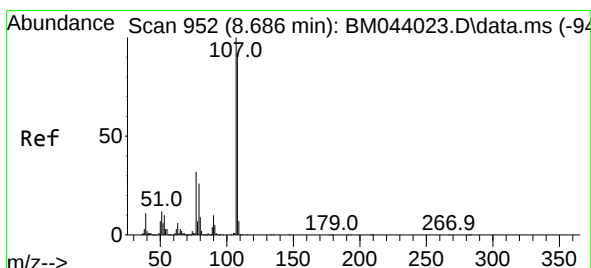
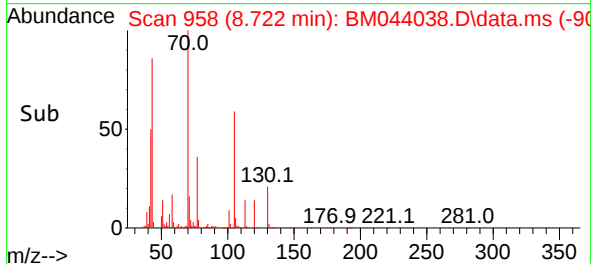
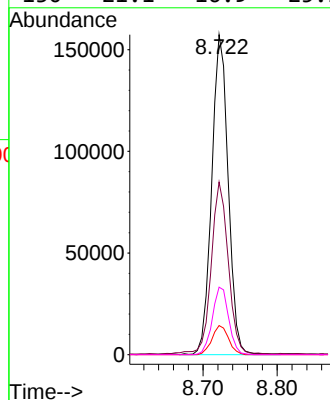
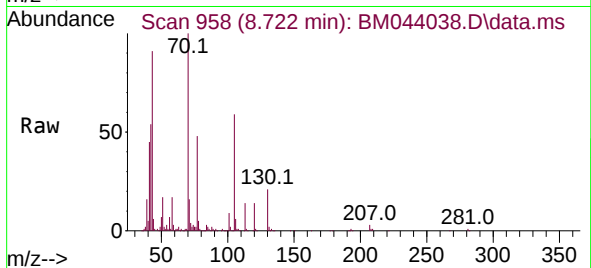




#19
n-Nitroso-di-n-propylamine
Concen: 7.537 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

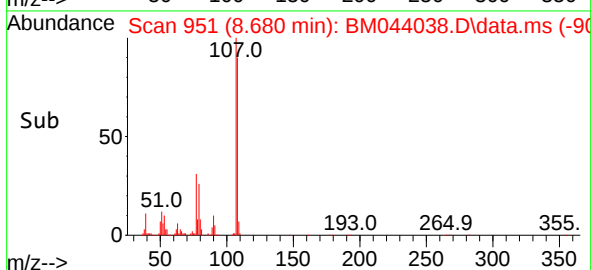
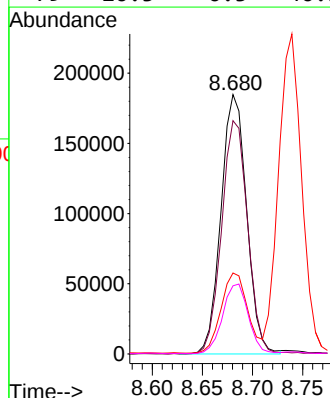
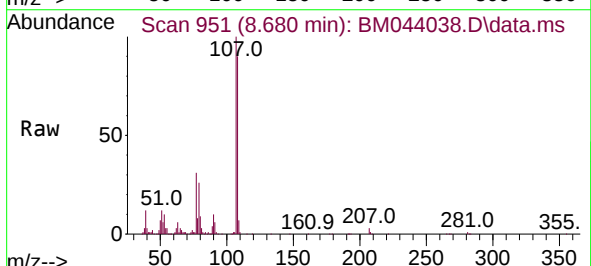
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

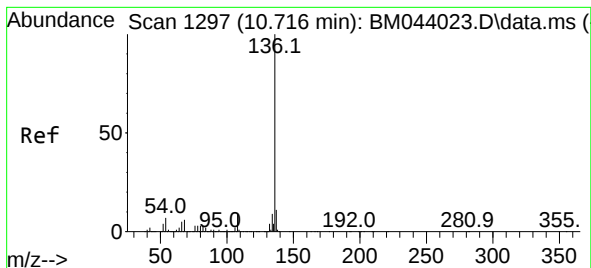
Tgt Ion:	70	Resp:	243304
Ion	Ratio	Lower	Upper
70	100		
42	54.0	42.6	64.0
101	9.1	7.8	11.6
130	21.1	16.9	25.3



#20
3+4-Methylphenols
Concen: 6.841 ng
RT: 8.680 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:	107	Resp:	327957
Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.5	111.5
77	31.2	11.8	51.8
79	26.3	6.3	46.3

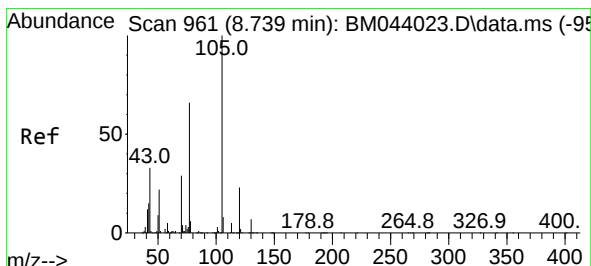
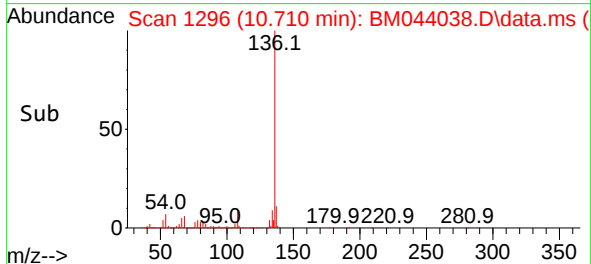
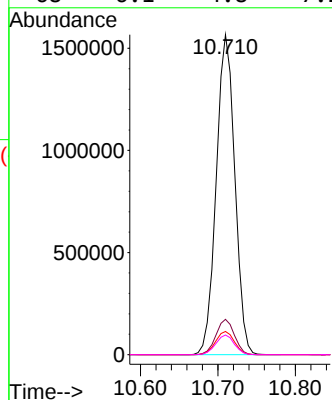
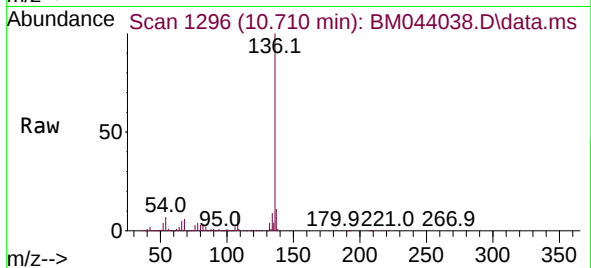




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

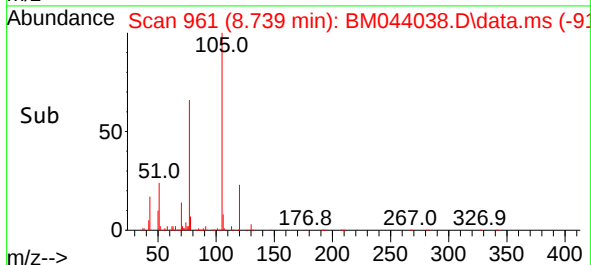
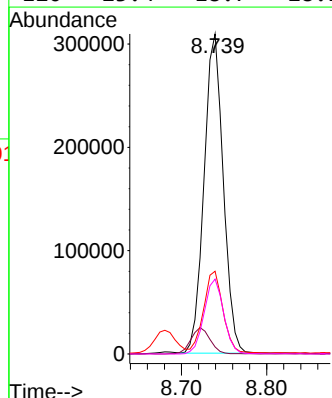
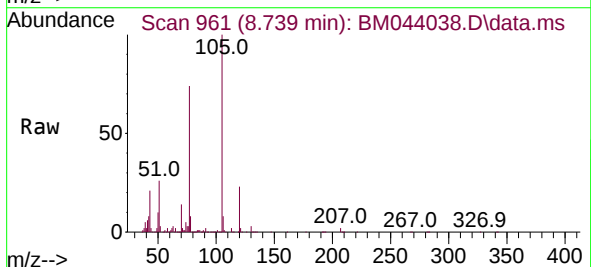
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

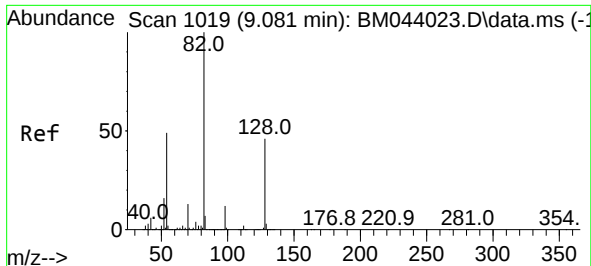
Tgt Ion:136 Resp: 2610692
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 5.9 8.9
68 6.1 4.8 7.2



#22
Acetophenone
Concen: 7.308 ng
RT: 8.739 min Scan# 961
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:105 Resp: 484297
Ion Ratio Lower Upper
105 100
71 2.2 4.0 6.0#
51 25.9 20.1 30.1
120 23.4 18.7 28.1

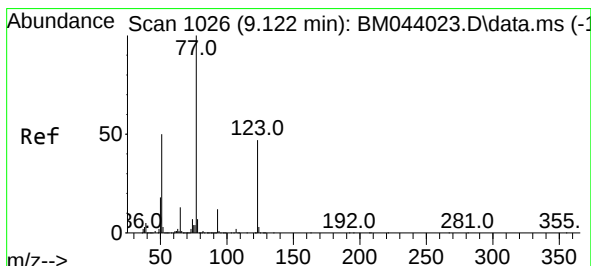
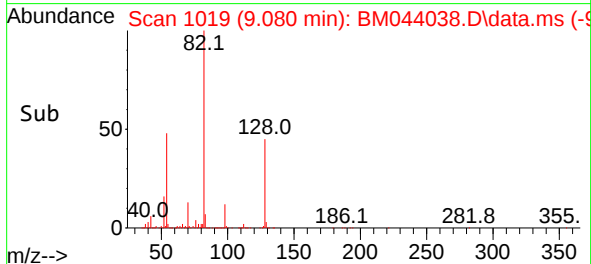
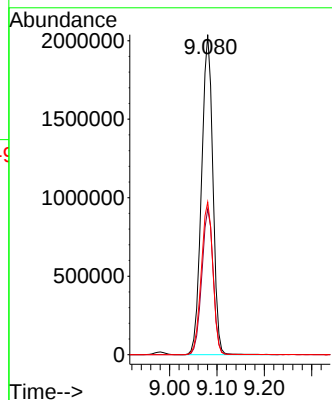
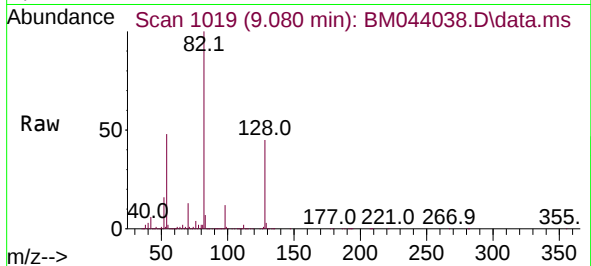




#23
Nitrobenzene-d5
Concen: 68.976 ng
RT: 9.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

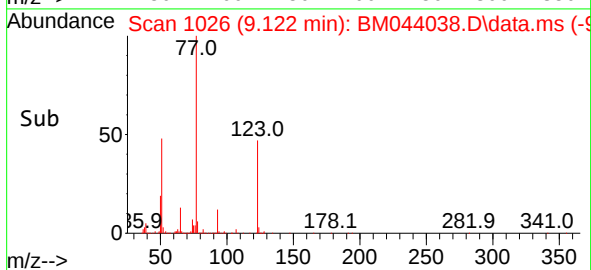
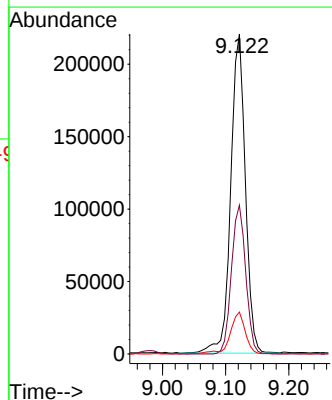
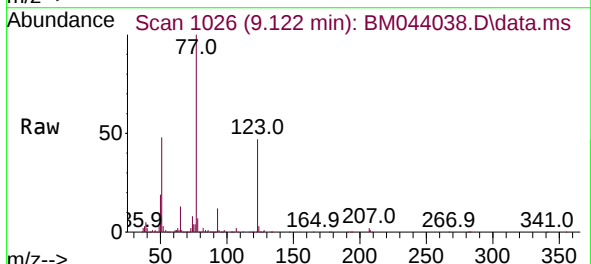
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

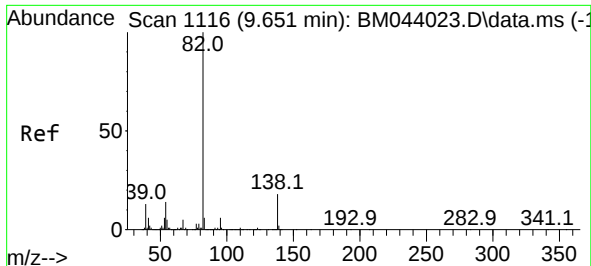
Tgt Ion: 82 Resp: 3393552
Ion Ratio Lower Upper
82 100
128 45.5 37.1 55.7
54 47.7 38.9 58.3



#24
Nitrobenzene
Concen: 7.025 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 77 Resp: 353924
Ion Ratio Lower Upper
77 100
123 46.5 37.8 56.8
65 13.1 10.5 15.7





#25

Isophorone

Concen: 6.904 ng

RT: 9.639 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

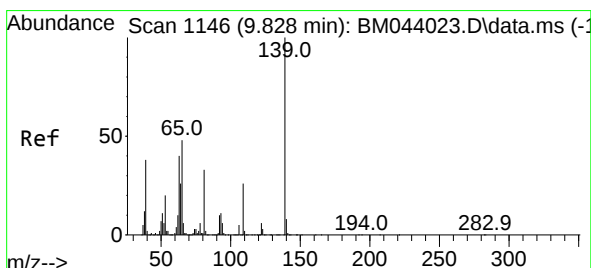
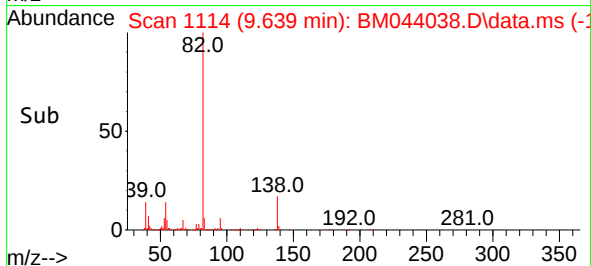
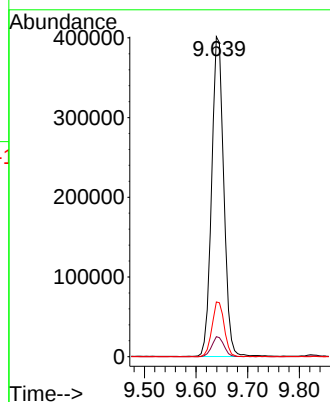
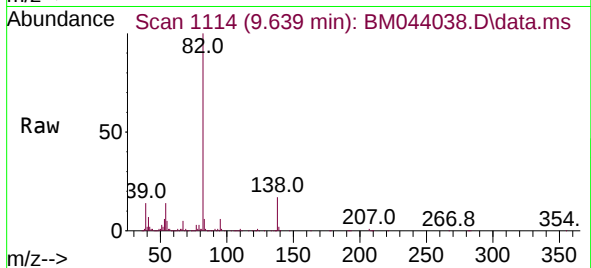
Tgt Ion: 82 Resp: 654051

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 17.1 14.3 21.5



#26

2-Nitrophenol

Concen: 6.388 ng

RT: 9.827 min Scan# 1146

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

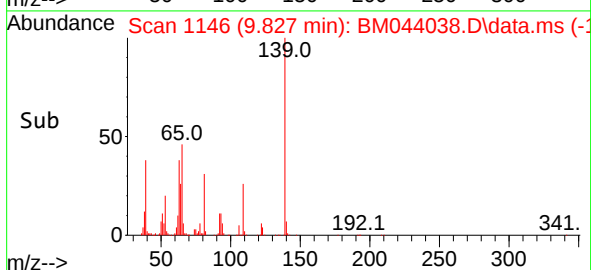
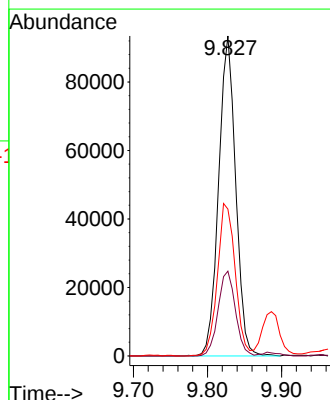
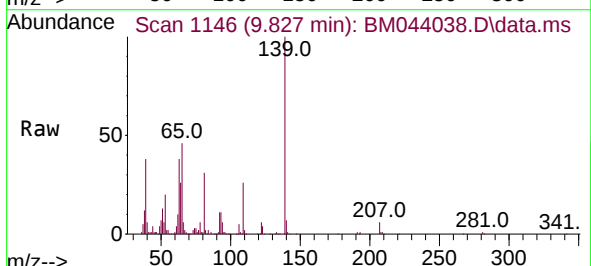
Tgt Ion:139 Resp: 149223

Ion Ratio Lower Upper

139 100

109 26.5 21.2 31.8

65 45.9 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 7.192 ng

RT: 9.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

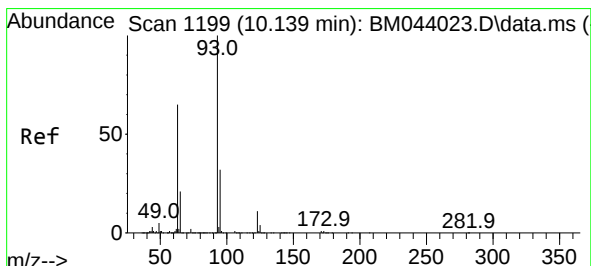
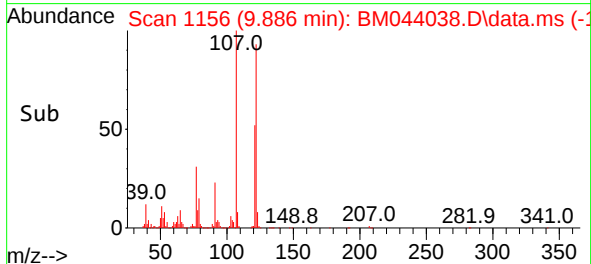
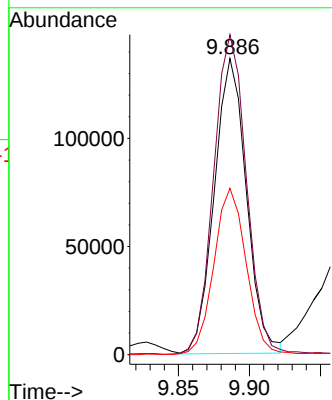
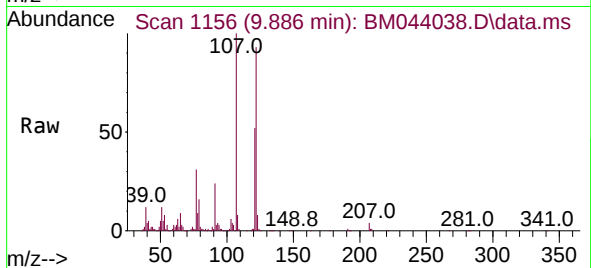
Tgt Ion:122 Resp: 214801

Ion Ratio Lower Upper

122 100

107 108.0 87.8 131.8

121 56.2 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 7.066 ng

RT: 10.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

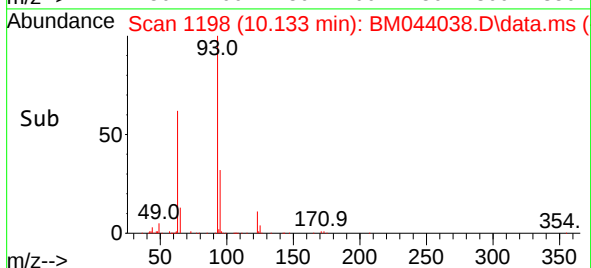
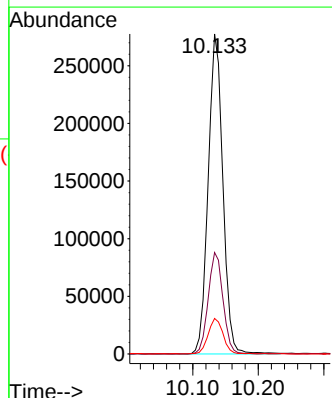
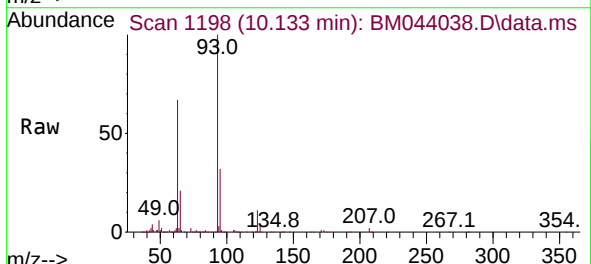
Tgt Ion: 93 Resp: 432937

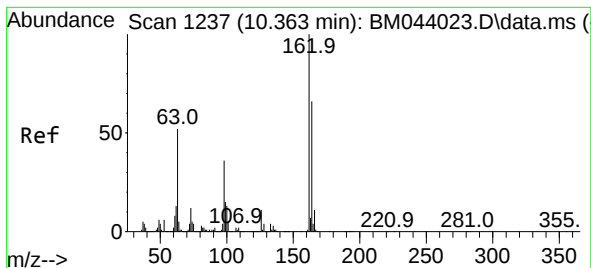
Ion Ratio Lower Upper

93 100

95 31.7 26.0 39.0

123 11.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 6.679 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

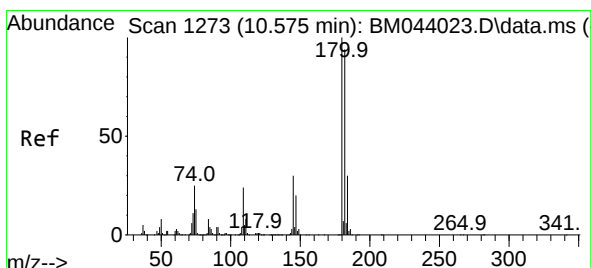
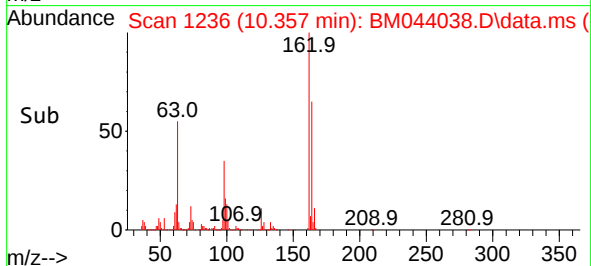
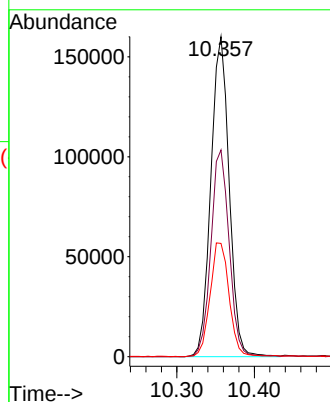
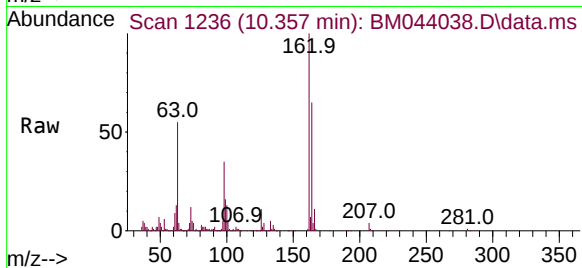
Tgt Ion:162 Resp: 262655

Ion Ratio Lower Upper

162 100

164 64.6 46.1 86.1

98 35.4 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 6.766 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

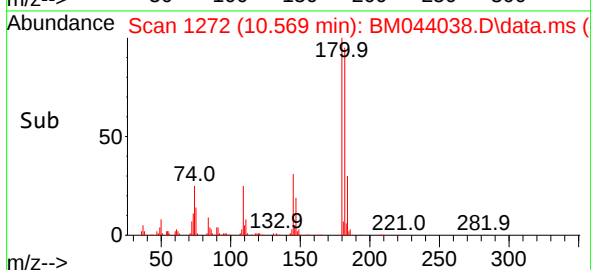
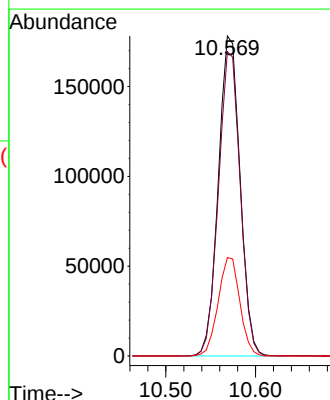
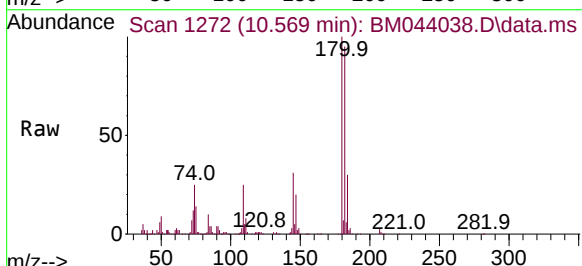
Tgt Ion:180 Resp: 299173

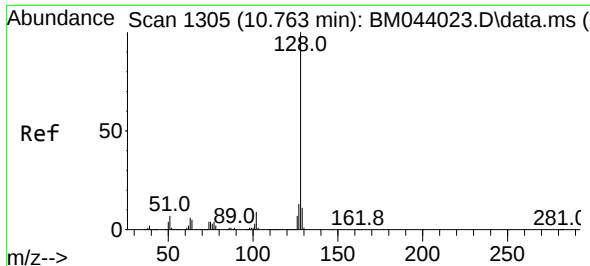
Ion Ratio Lower Upper

180 100

182 95.1 75.2 112.8

145 30.8 24.3 36.5

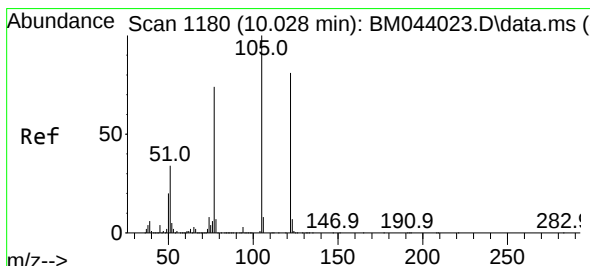
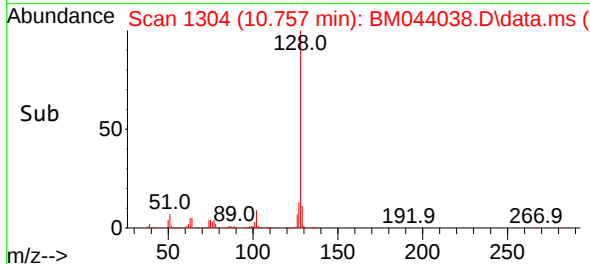
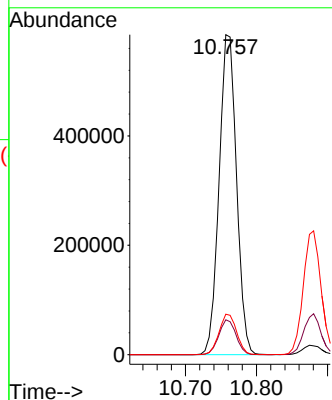
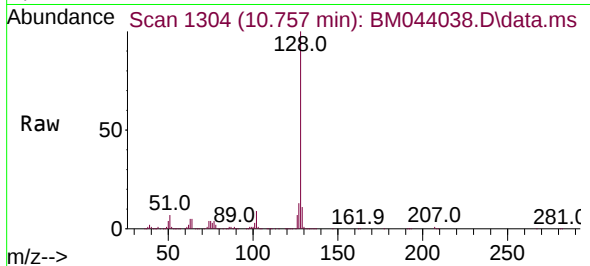




#31
Naphthalene
Concen: 6.894 ng
RT: 10.757 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

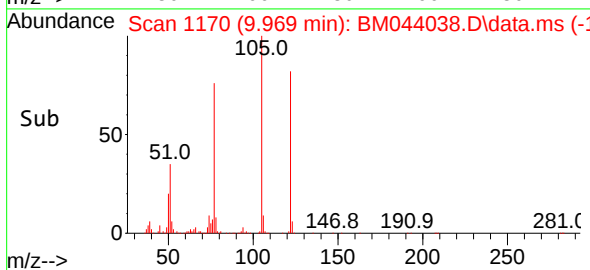
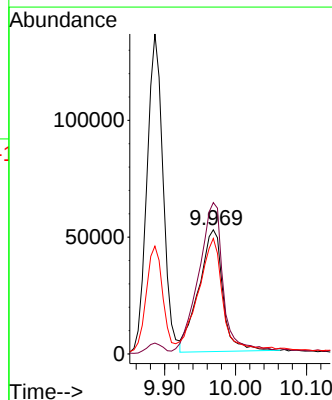
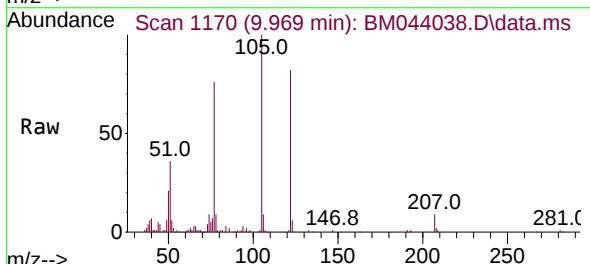
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

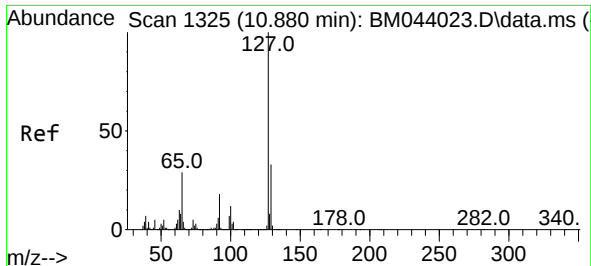
Tgt Ion:128 Resp: 993409
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 12.6 10.3 15.5



#32
Benzoic acid
Concen: 4.098 ng
RT: 9.969 min Scan# 1170
Delta R.T. -0.059 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:122 Resp: 123285
Ion Ratio Lower Upper
122 100
105 122.0 100.1 140.1
77 93.1 69.6 109.6

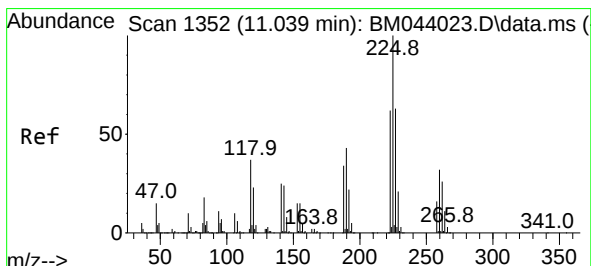
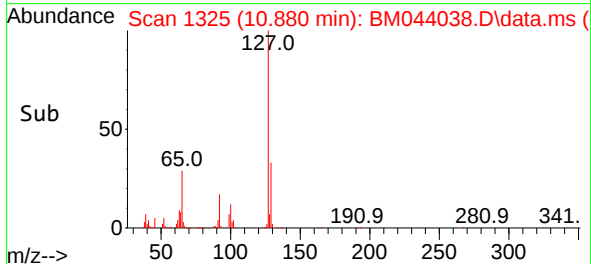
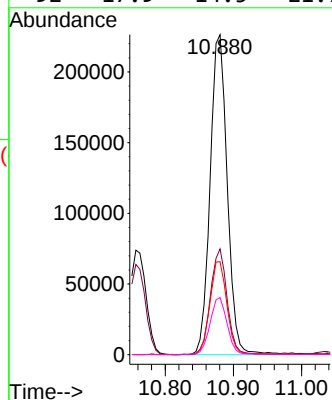
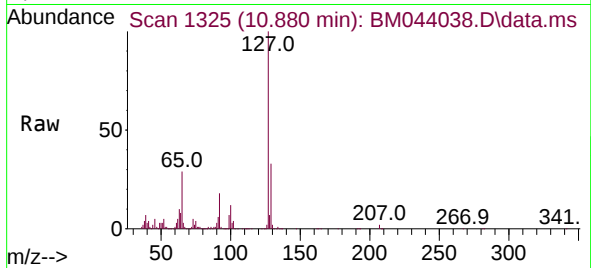




#33
4-Chloroaniline
Concen: 7.273 ng
RT: 10.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

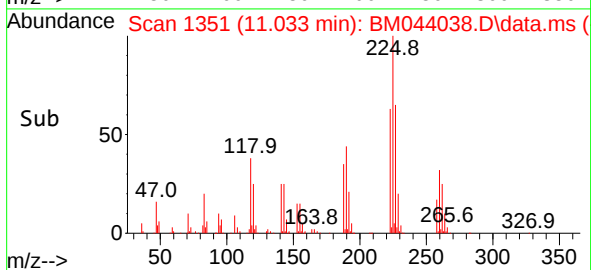
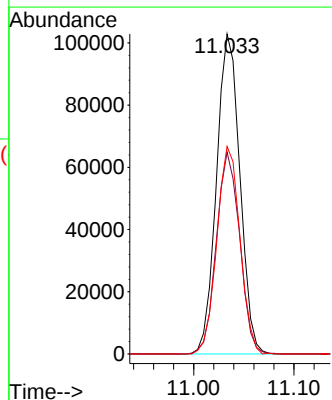
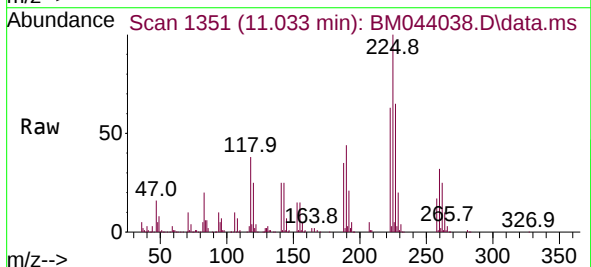
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

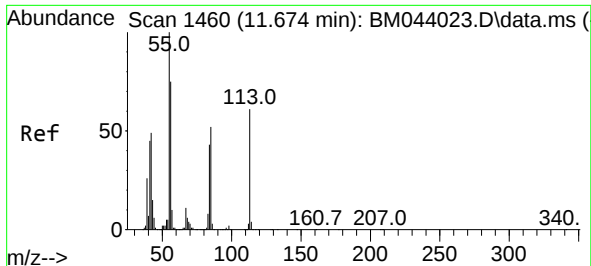
Tgt Ion:	127	Resp:	396829
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.0	39.0
65	29.1	23.0	34.6
92	17.9	14.5	21.7



#34
Hexachlorobutadiene
Concen: 6.578 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:	225	Resp:	166490
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.9	74.9
227	64.8	50.6	76.0

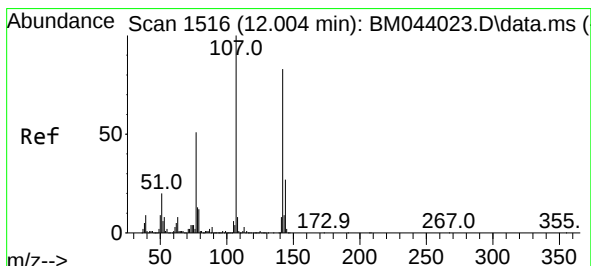
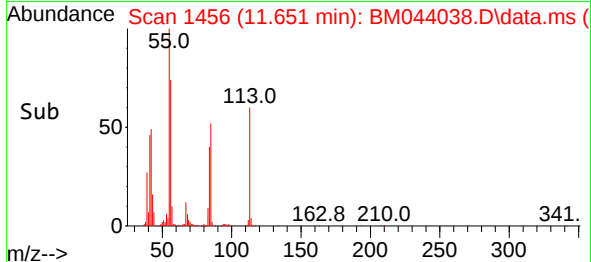
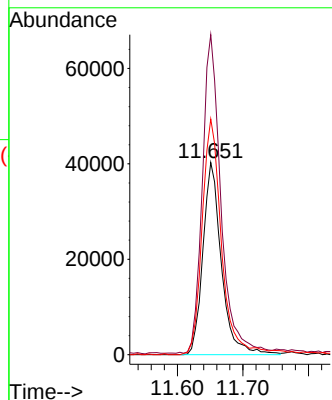
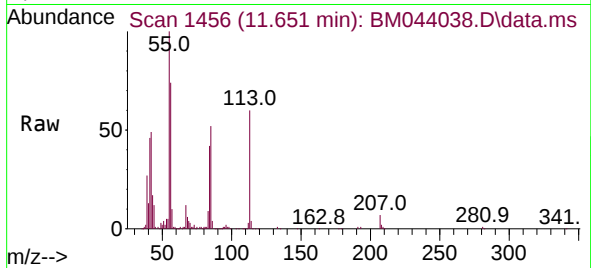




#35
Caprolactam
Concen: 6.253 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.024 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

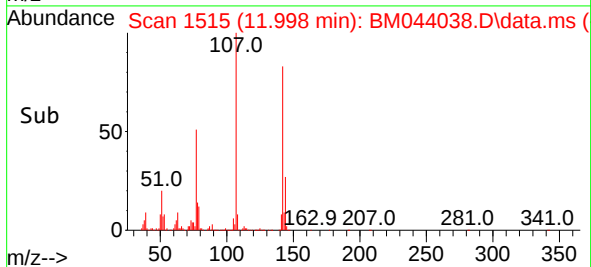
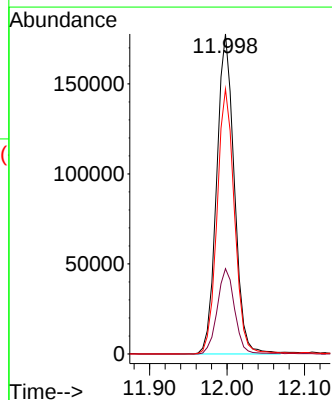
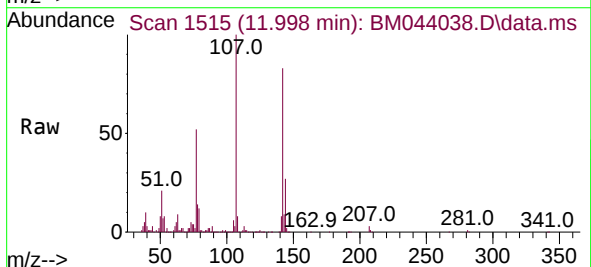
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

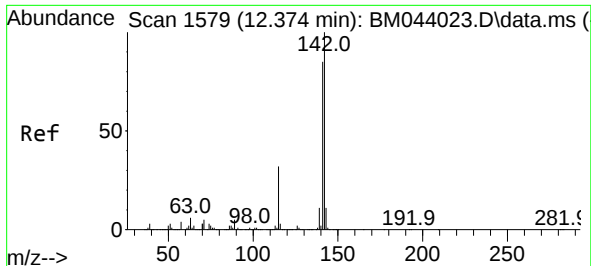
Tgt Ion:113 Resp: 79129
Ion Ratio Lower Upper
113 100
55 166.5 145.6 185.6
56 122.6 103.3 143.3



#36
4-Chloro-3-methylphenol
Concen: 6.596 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:107 Resp: 280848
Ion Ratio Lower Upper
107 100
144 26.7 21.3 31.9
142 82.8 66.2 99.4

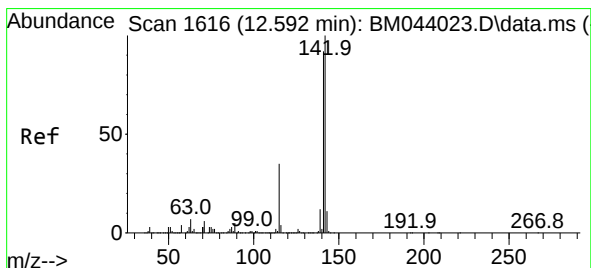
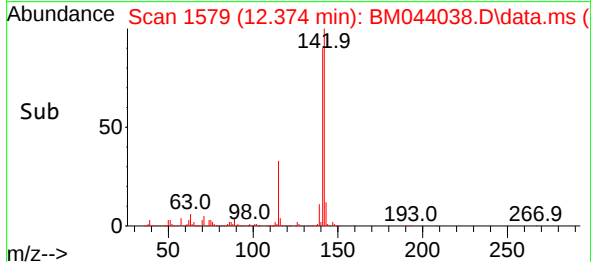
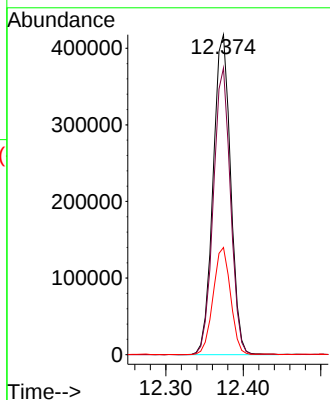
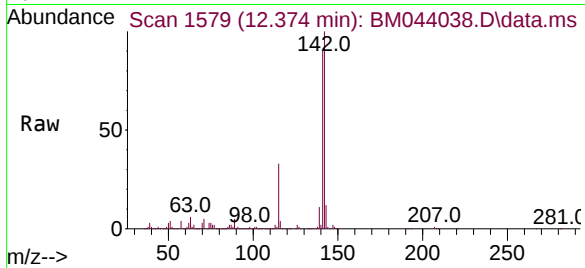




#37
2-Methylnaphthalene
Concen: 6.837 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

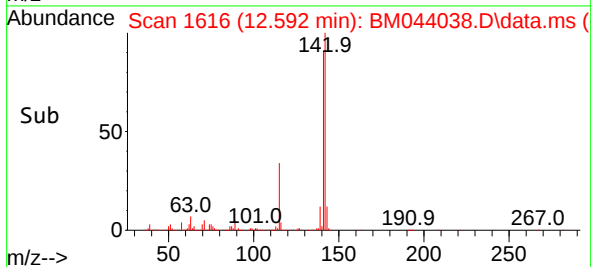
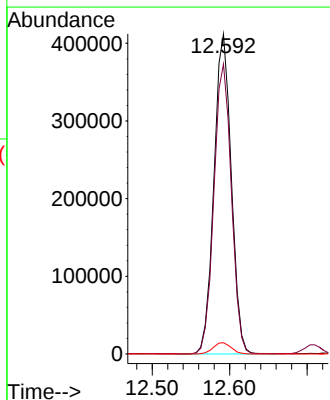
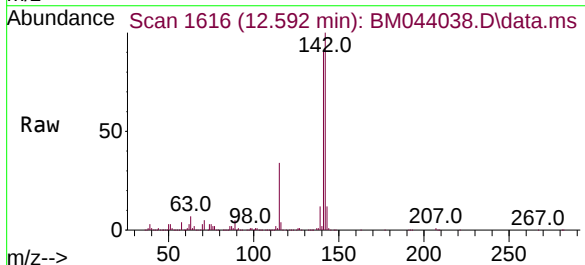
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

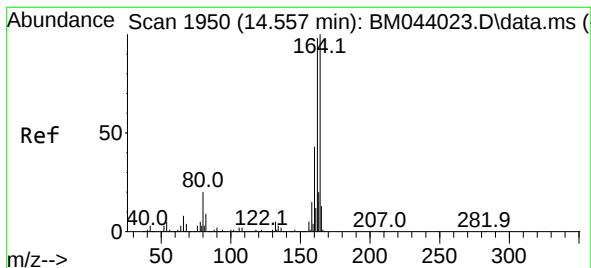
Tgt Ion:142 Resp: 656203
Ion Ratio Lower Upper
142 100
141 89.6 68.3 102.5
115 33.5 25.7 38.5



#38
1-Methylnaphthalene
Concen: 6.784 ng
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:142 Resp: 639804
Ion Ratio Lower Upper
142 100
141 90.6 73.4 110.0
116 3.5 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.551 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

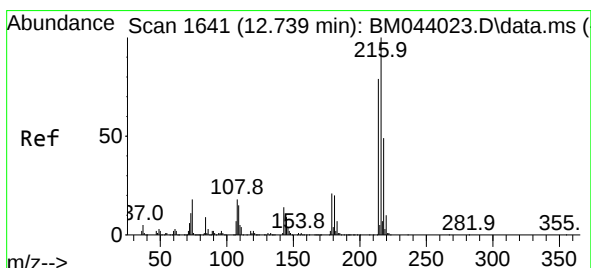
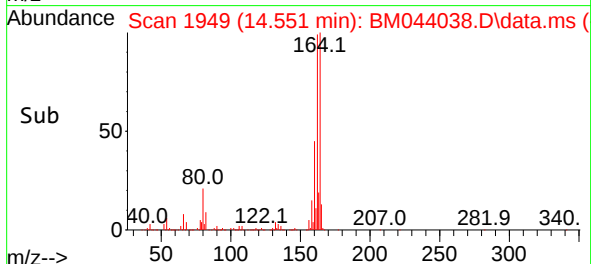
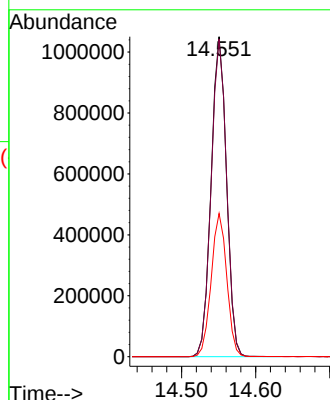
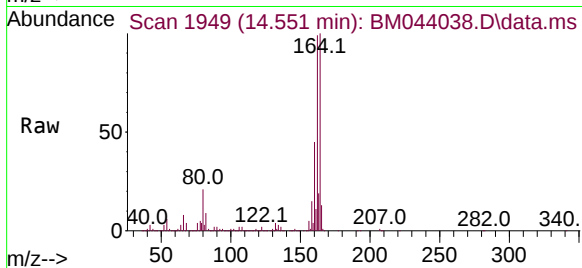
Tgt Ion:164 Resp: 1514876

Ion Ratio Lower Upper

164 100

162 99.2 78.4 117.6

160 44.7 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.084 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Tgt Ion:216 Resp: 311924

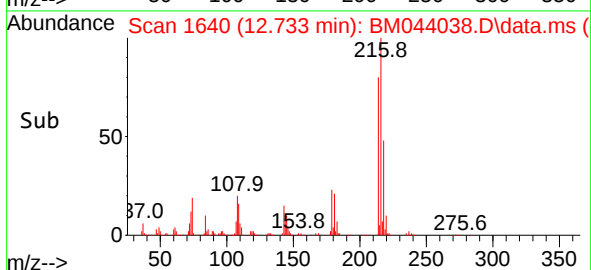
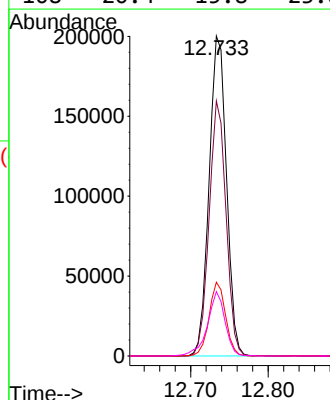
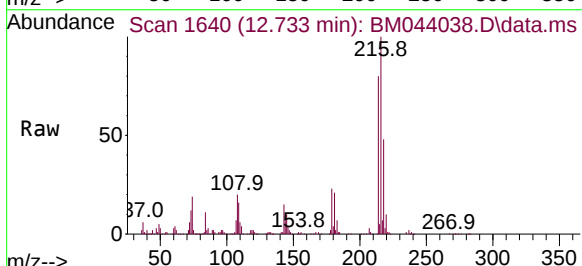
Ion Ratio Lower Upper

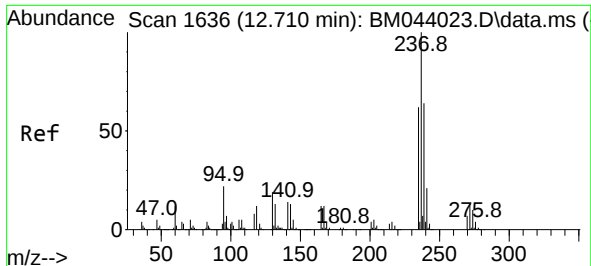
216 100

214 77.5 63.1 94.7

179 21.9 17.0 25.6

108 20.4 15.8 23.8

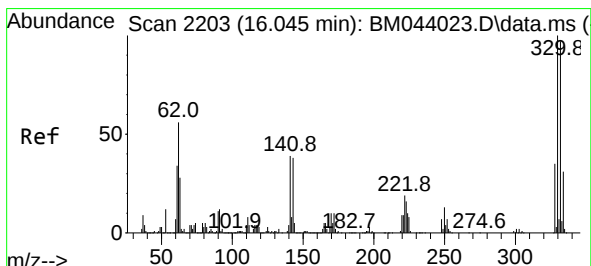
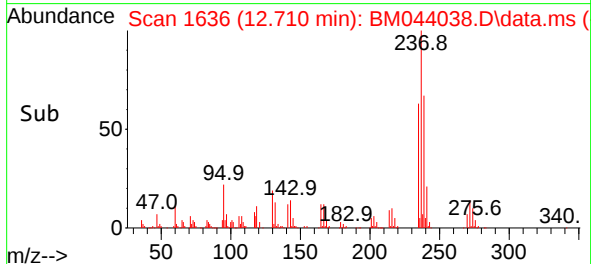
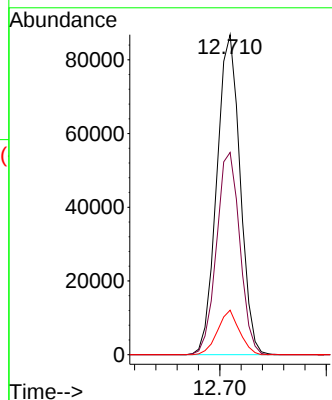
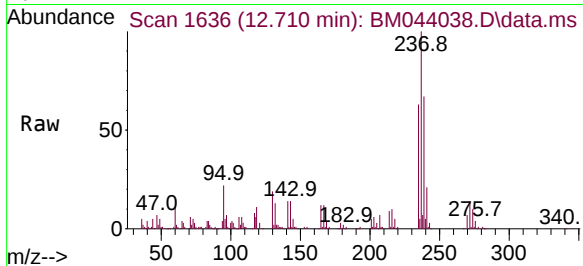




#41
Hexachlorocyclopentadiene
Concen: 6.851 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

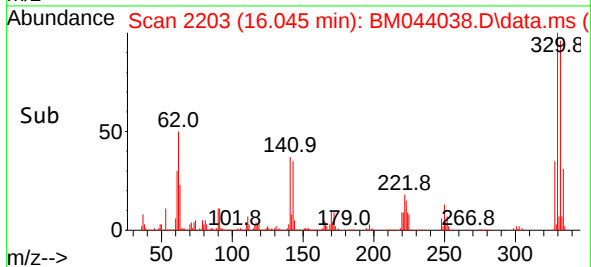
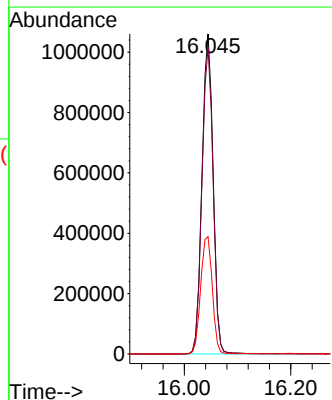
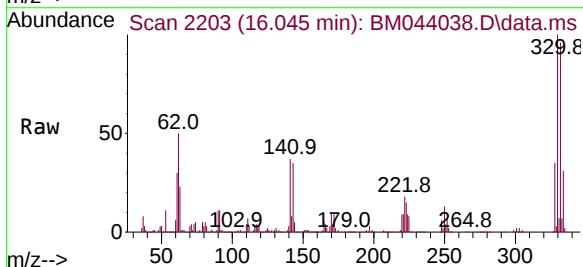
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

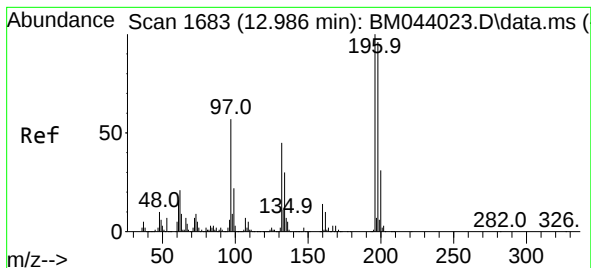
Tgt Ion:237 Resp: 131653
Ion Ratio Lower Upper
237 100
235 63.2 42.4 82.4
272 13.9 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 93.594 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:330 Resp: 1535122
Ion Ratio Lower Upper
330 100
332 96.1 77.7 116.5
141 38.5 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 6.457 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

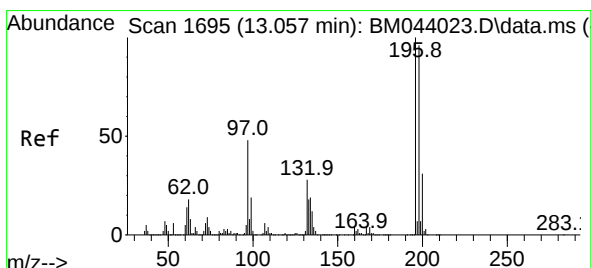
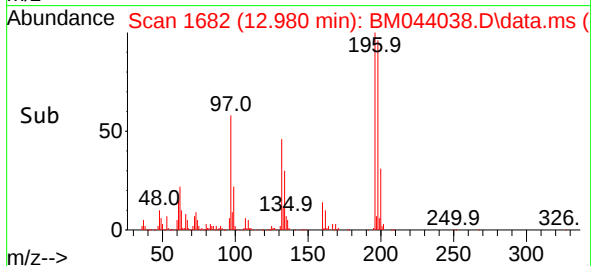
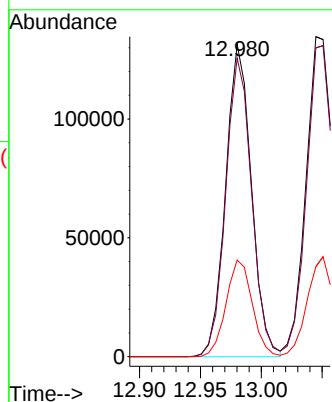
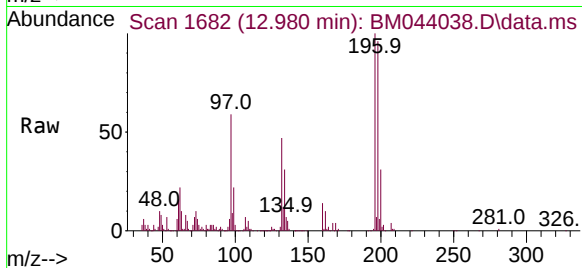
Tgt Ion:196 Resp: 193480

Ion Ratio Lower Upper

196 100

198 95.6 76.8 115.2

200 31.0 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 6.519 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Tgt Ion:196 Resp: 214377

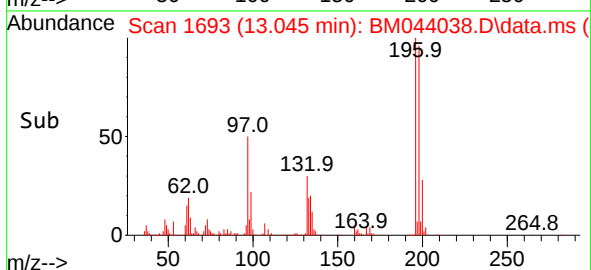
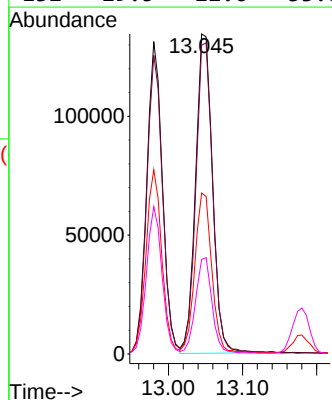
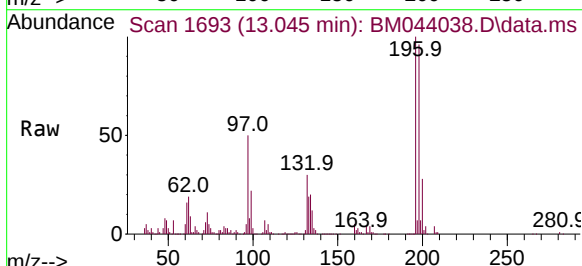
Ion Ratio Lower Upper

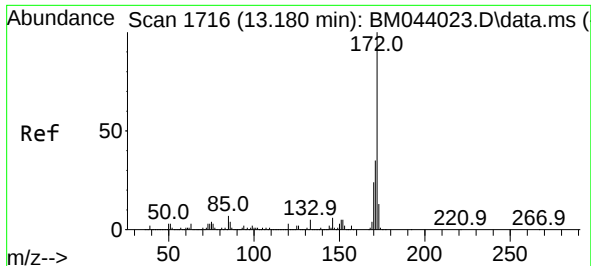
196 100

198 96.5 76.9 115.3

97 50.3 39.0 58.4

132 29.5 22.6 33.8

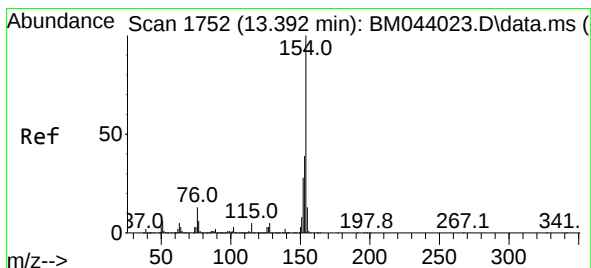
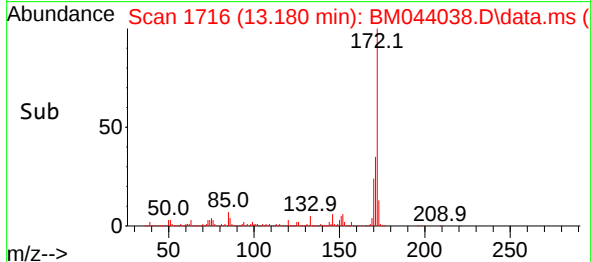
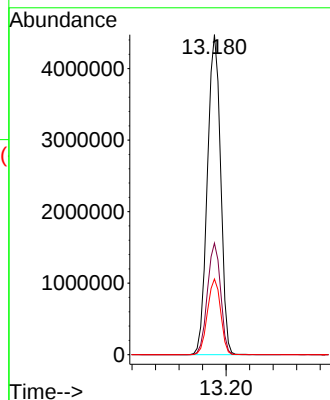
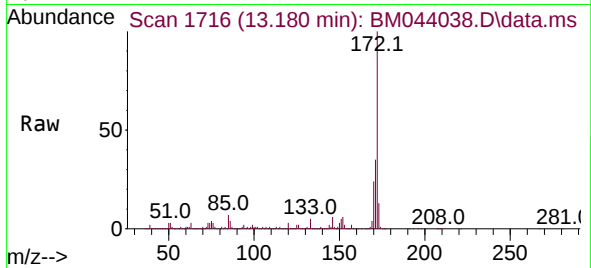




#45
2-Fluorobiphenyl
Concen: 64.943 ng
RT: 13.180 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

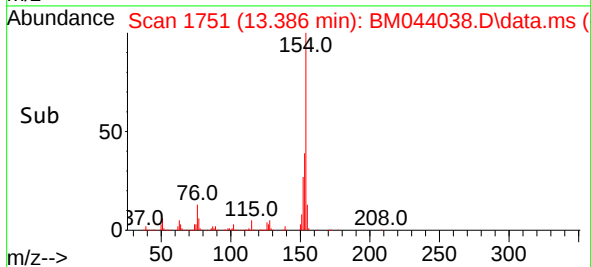
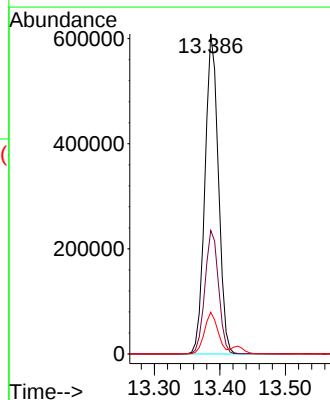
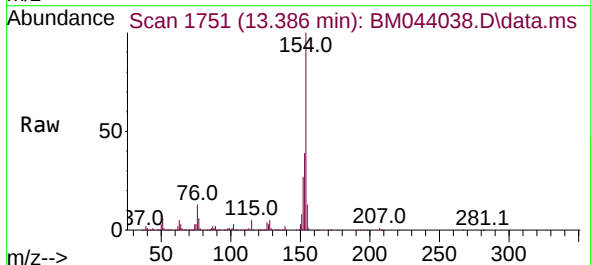
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

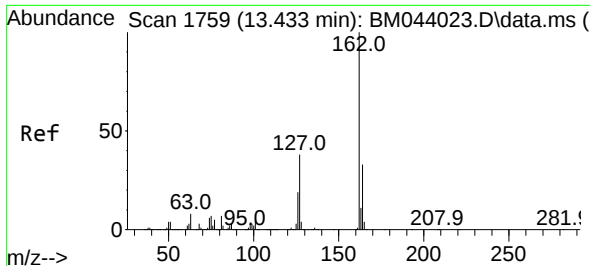
Tgt Ion:172 Resp: 6970858
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.7 19.0 28.4



#46
1,1'-Biphenyl
Concen: 7.285 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:154 Resp: 870764
Ion Ratio Lower Upper
154 100
153 38.6 19.4 59.4
76 13.0 0.0 32.9

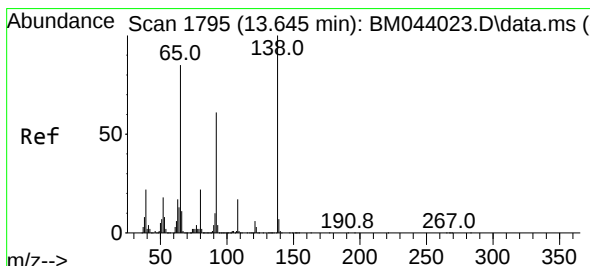
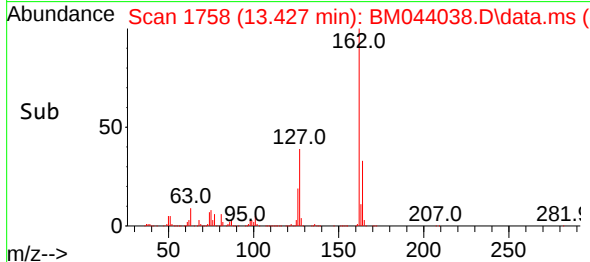
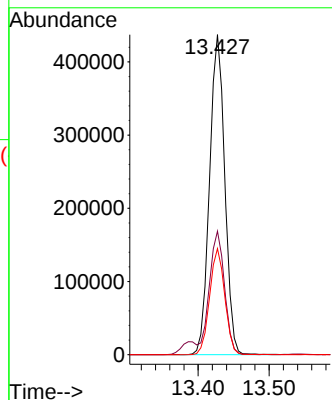
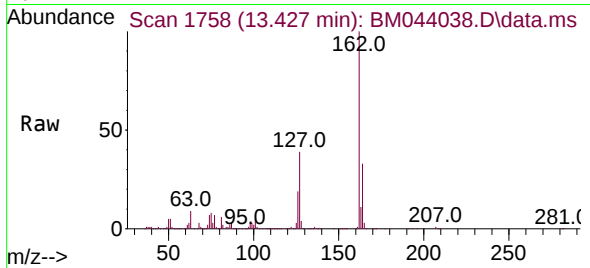




#47
2-Chloronaphthalene
Concen: 6.880 ng
RT: 13.427 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

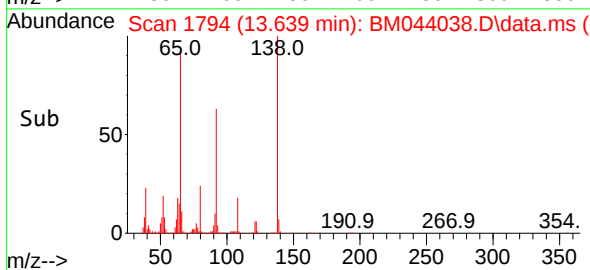
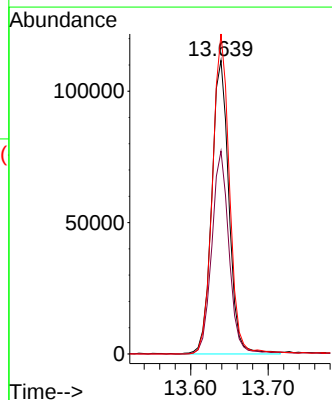
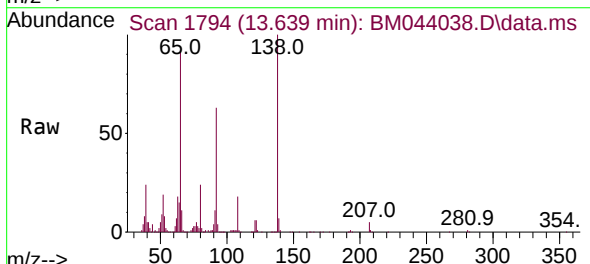
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

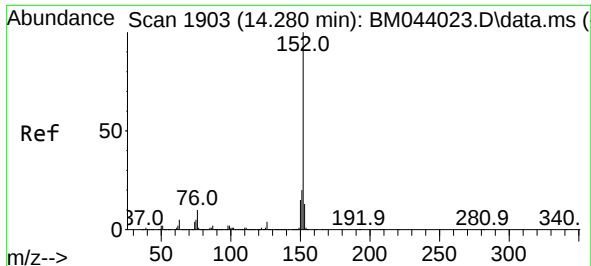
Tgt Ion:162 Resp: 651469
Ion Ratio Lower Upper
162 100
127 38.6 30.9 46.3
164 33.2 26.4 39.6



#48
2-Nitroaniline
Concen: 6.445 ng
RT: 13.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 65 Resp: 171696
Ion Ratio Lower Upper
65 100
92 69.1 58.1 87.1
138 109.0 94.6 142.0

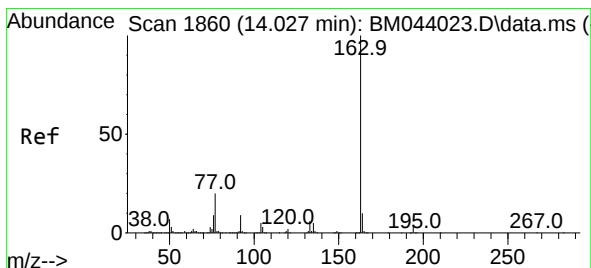
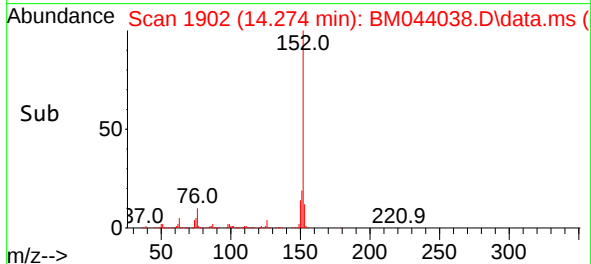
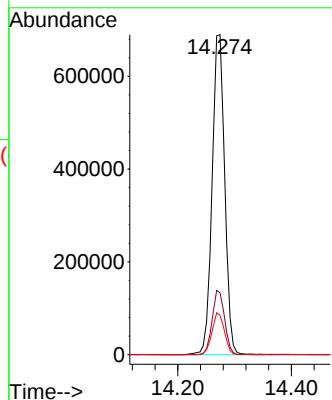
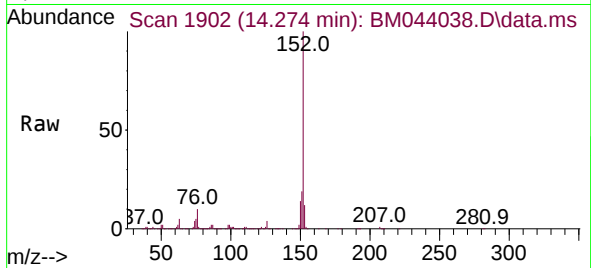




#49
Acenaphthylene
Concen: 7.491 ng
RT: 14.274 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

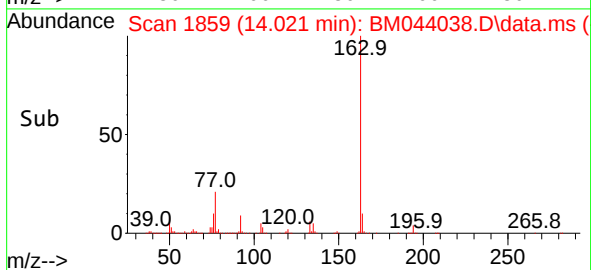
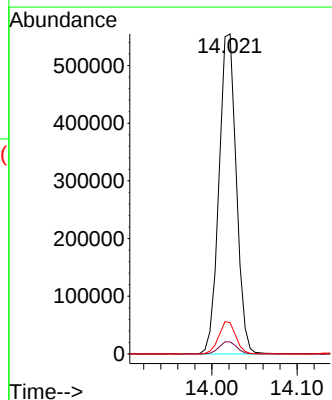
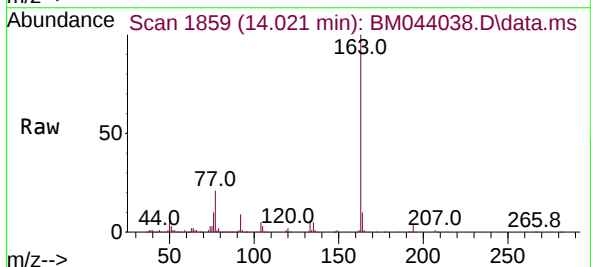
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

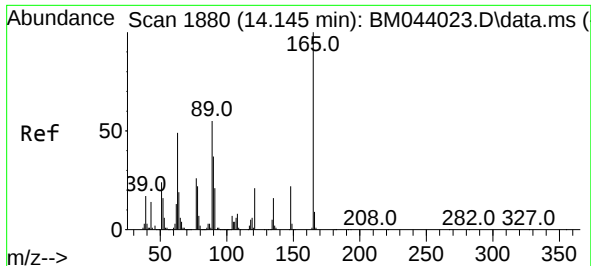
Tgt Ion:152 Resp: 1058202
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 12.3 10.5 15.7



#50
Dimethylphthalate
Concen: 6.971 ng
RT: 14.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:163 Resp: 782974
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.8 8.2 12.2

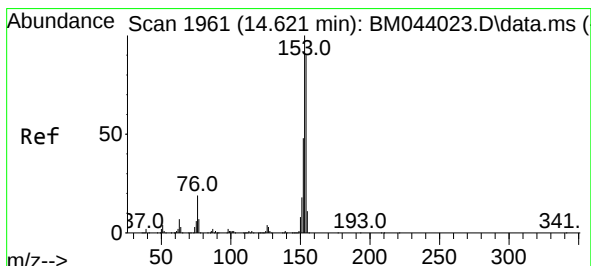
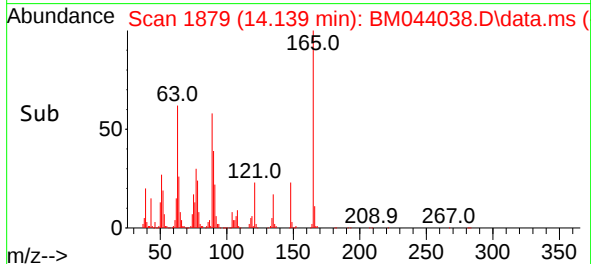
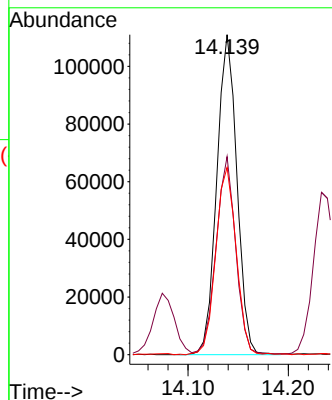
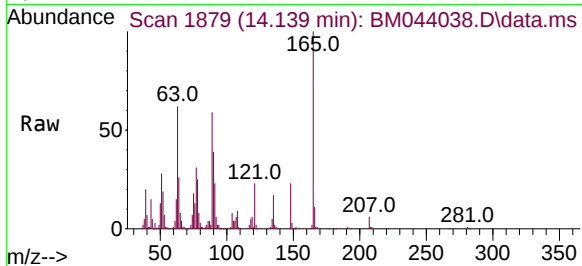




#51
2,6-Dinitrotoluene
Concen: 6.241 ng
RT: 14.139 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

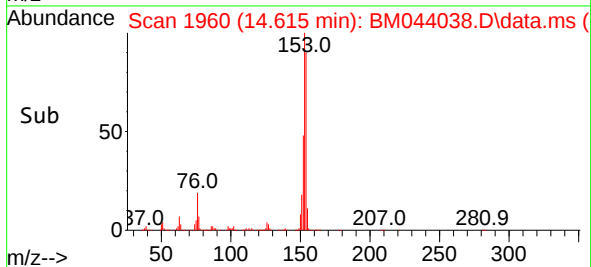
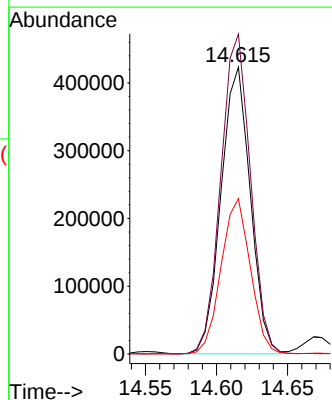
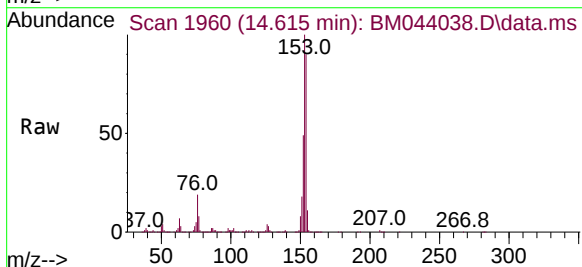
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

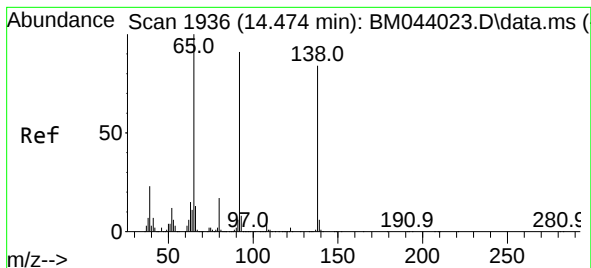
Tgt Ion:165 Resp: 154644
Ion Ratio Lower Upper
165 100
63 61.9 43.5 65.3
89 58.5 44.4 66.6



#52
Acenaphthene
Concen: 6.934 ng
RT: 14.615 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:154 Resp: 606274
Ion Ratio Lower Upper
154 100
153 111.5 89.3 133.9
152 54.2 43.0 64.6

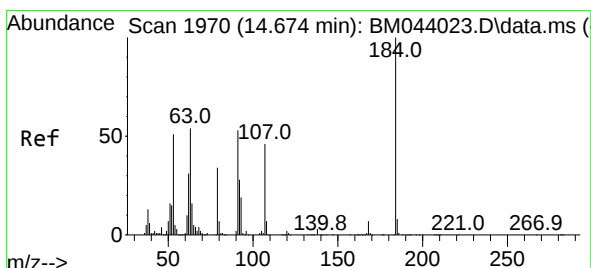
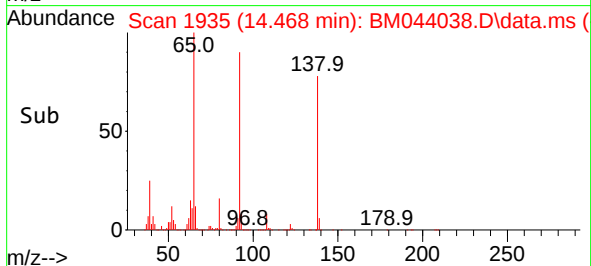
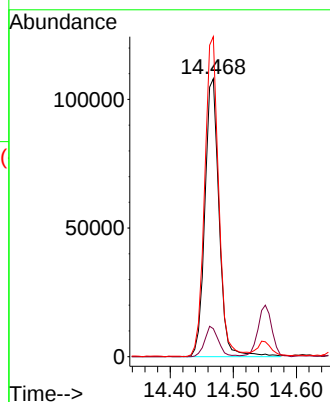
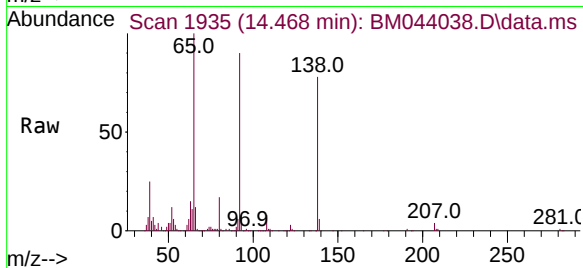




#53
3-Nitroaniline
Concen: 6.360 ng
RT: 14.468 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

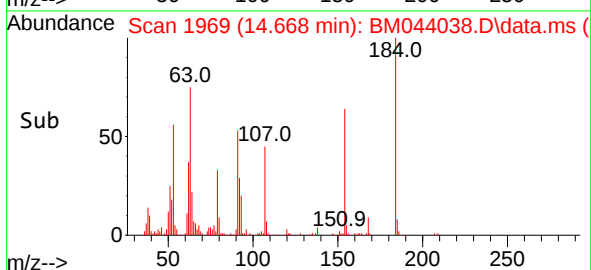
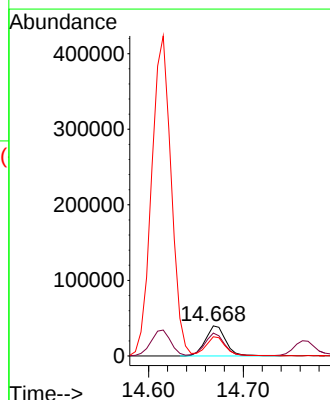
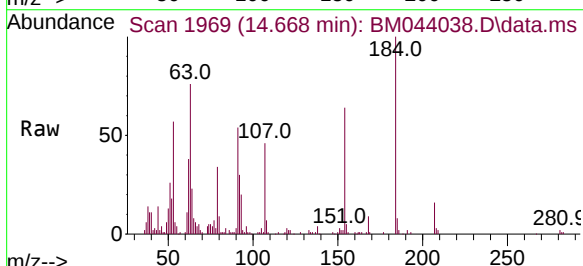
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

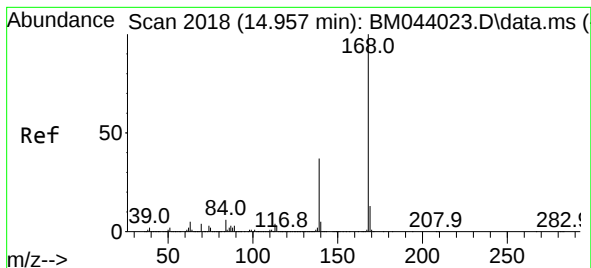
Tgt Ion:138 Resp: 169367
Ion Ratio Lower Upper
138 100
108 10.1 7.6 11.4
92 115.2 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 9.287 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:184 Resp: 59155
Ion Ratio Lower Upper
184 100
63 76.1 55.4 83.2
154 63.8 49.2 73.8





#55

Dibenzenofuran

Concen: 7.198 ng

RT: 14.951 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044038.D

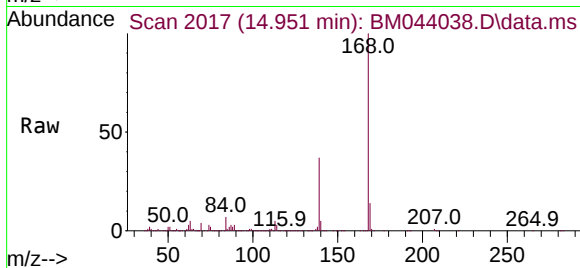
Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



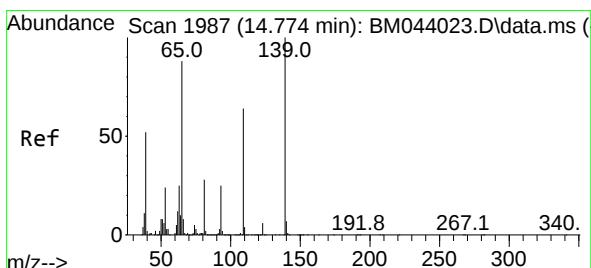
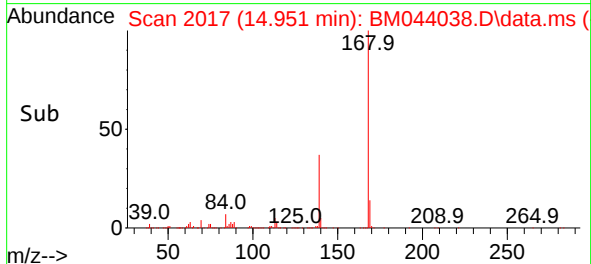
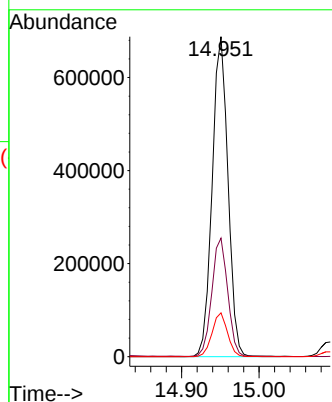
Tgt Ion:168 Resp: 974070

Ion Ratio Lower Upper

168 100

139 37.0 29.6 44.4

169 13.7 10.5 15.7



#56

4-Nitrophenol

Concen: 5.771 ng

RT: 14.768 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

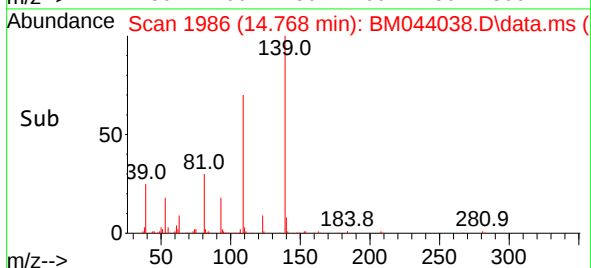
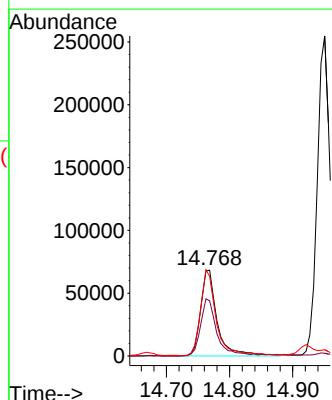
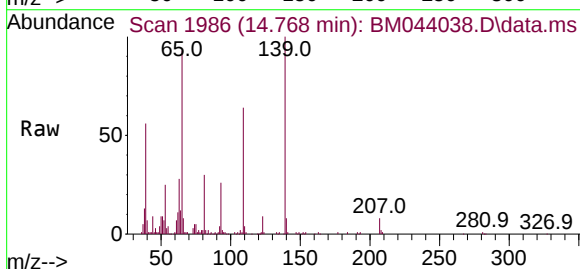
Tgt Ion:139 Resp: 124942

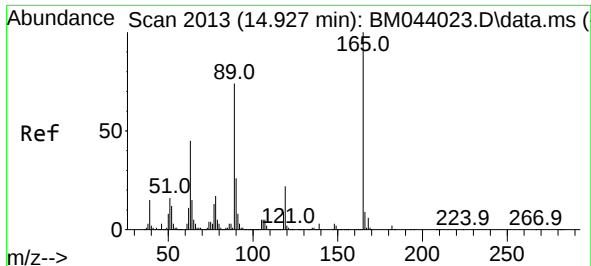
Ion Ratio Lower Upper

139 100

109 64.4 43.8 83.8

65 92.8 67.7 107.7

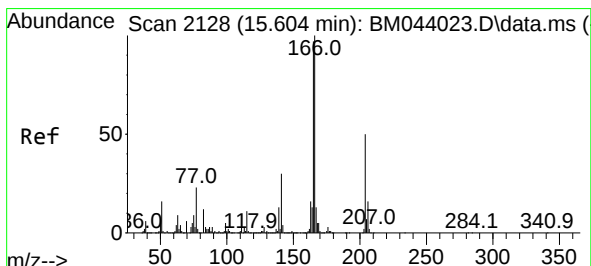
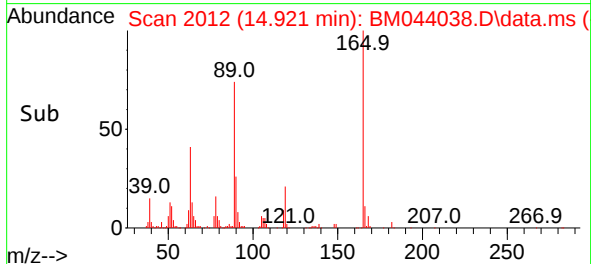
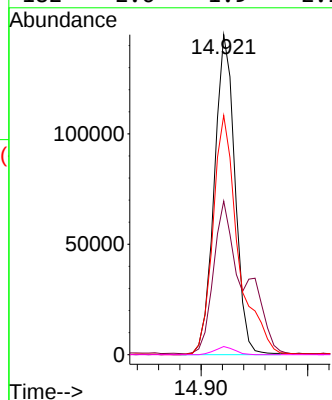
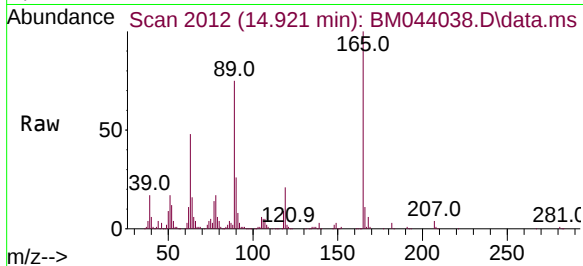




#57
2,4-Dinitrotoluene
Concen: 6.042 ng
RT: 14.921 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

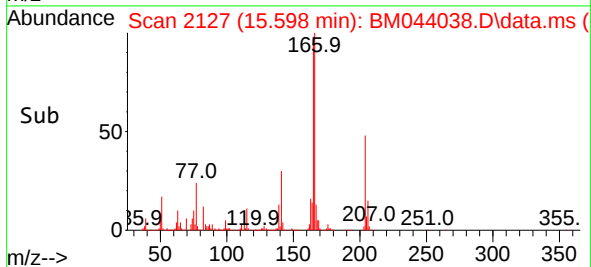
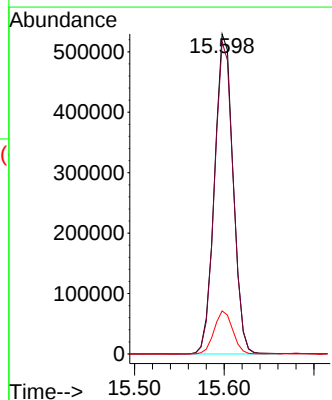
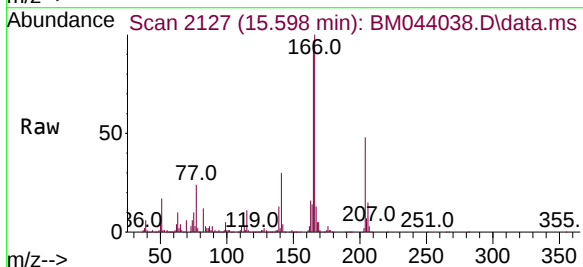
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

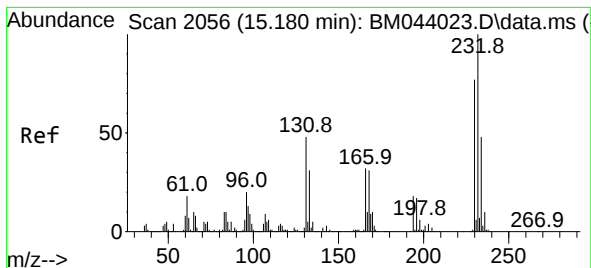
Tgt Ion:	165	Resp:	195685
Ion	Ratio	Lower	Upper
165	100		
63	48.0	35.9	53.9
89	74.7	58.9	88.3
182	2.6	1.9	2.9



#58
Fluorene
Concen: 7.267 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:	166	Resp:	759898
Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.7	116.5
167	13.5	10.7	16.1

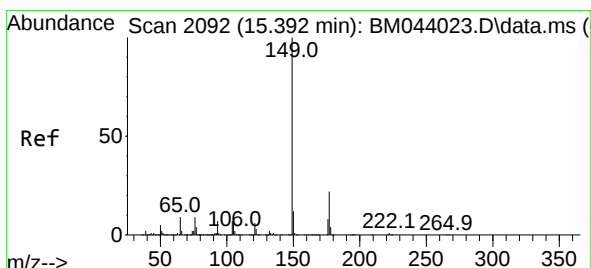
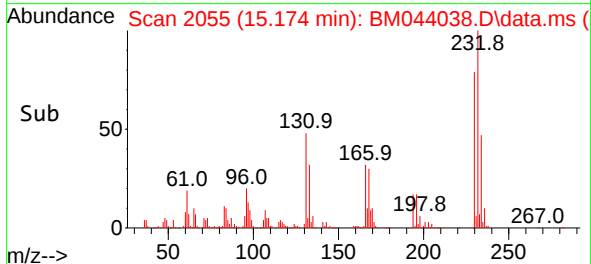
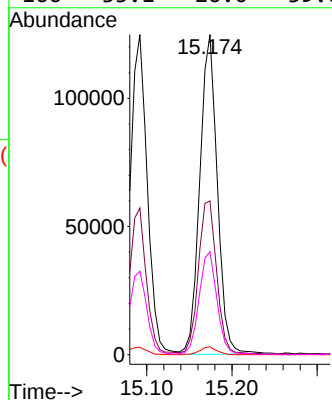
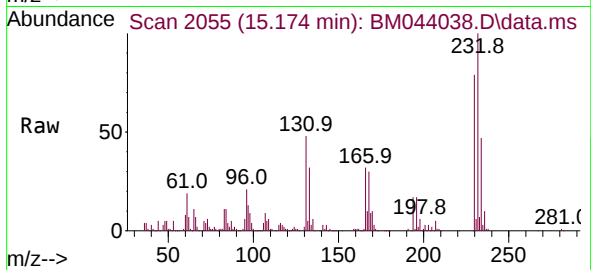




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.897 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

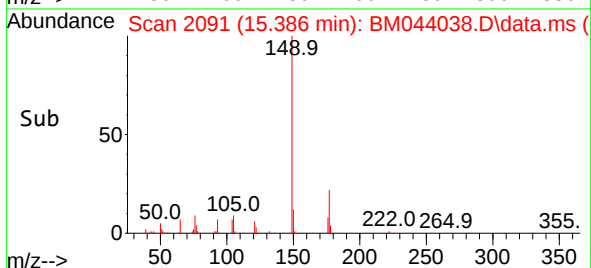
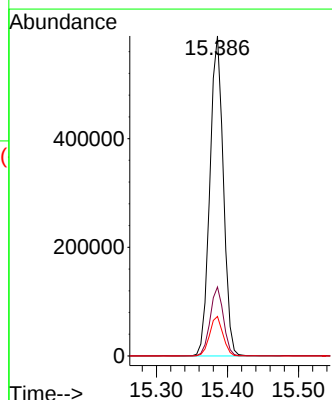
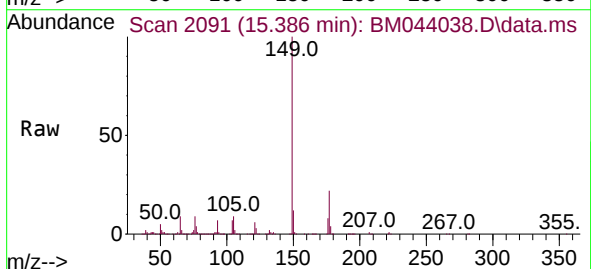
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

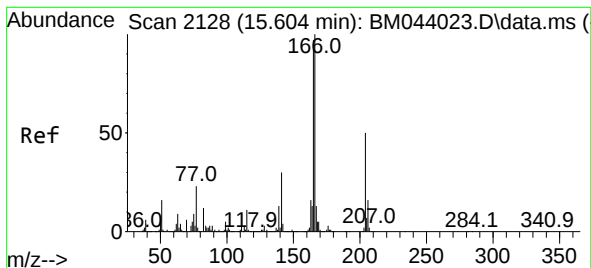
Tgt Ion:232 Resp: 177971
Ion Ratio Lower Upper
232 100
131 50.1 39.5 59.3
130 2.3 2.0 3.0
166 33.1 26.0 39.0



#60
Diethylphthalate
Concen: 6.692 ng
RT: 15.386 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:149 Resp: 776817
Ion Ratio Lower Upper
149 100
177 21.6 17.5 26.3
150 12.4 9.8 14.6

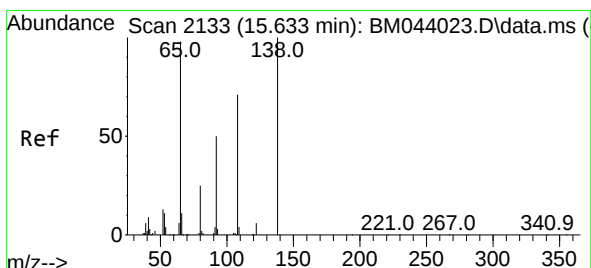
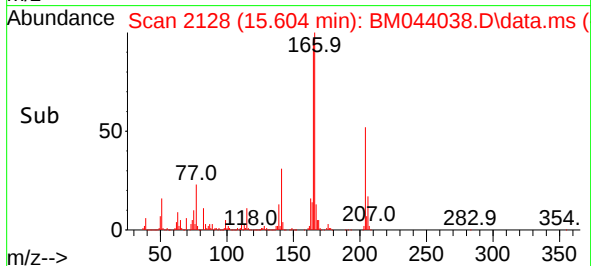
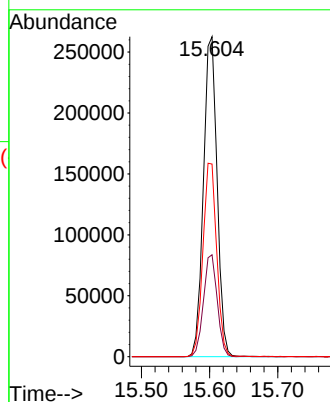
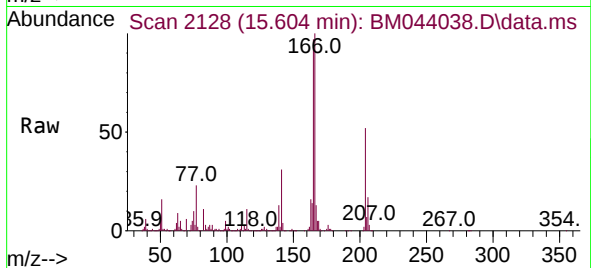




#61
4-Chlorophenyl-phenylether
Concen: 7.217 ng
RT: 15.604 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

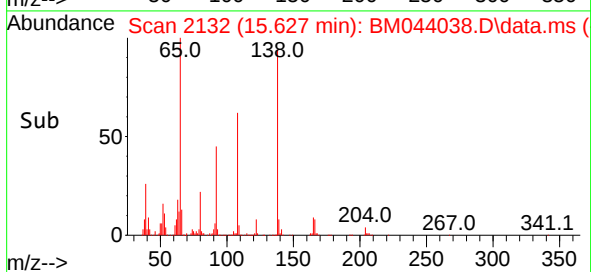
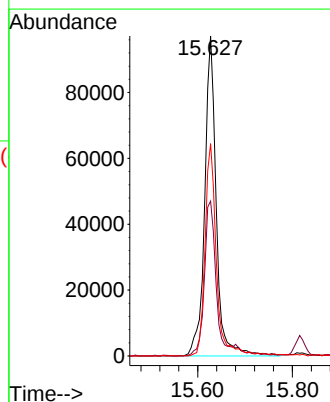
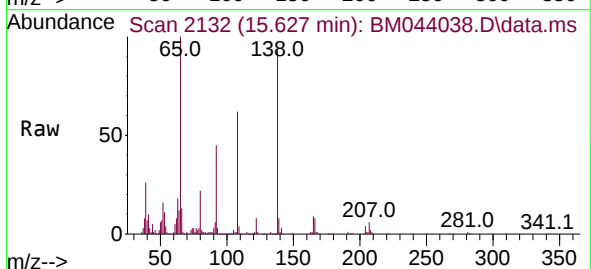
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

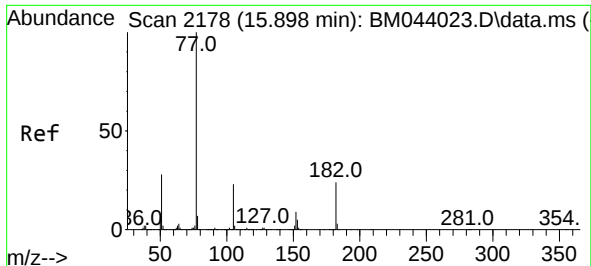
Tgt Ion:204 Resp: 365646
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 60.2 47.7 71.5



#62
4-Nitroaniline
Concen: 6.164 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:138 Resp: 165246
Ion Ratio Lower Upper
138 100
92 48.4 29.6 69.6
108 66.3 47.8 87.8

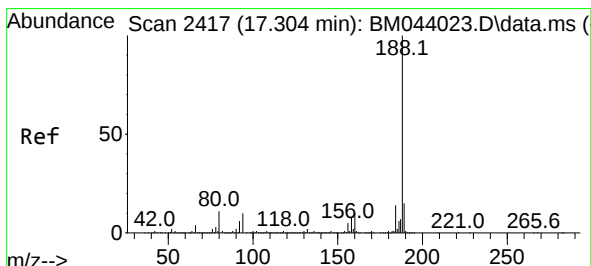
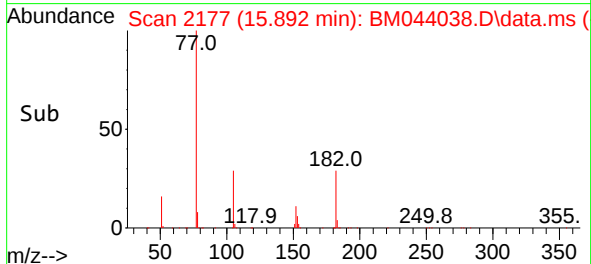
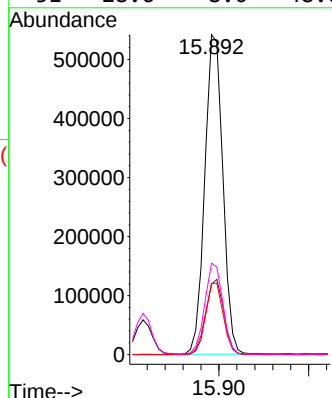
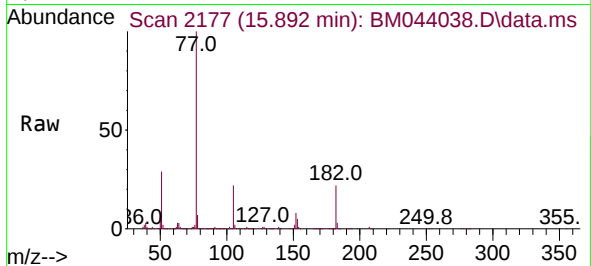




#63
Azobenzene
Concen: 6.957 ng
RT: 15.892 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

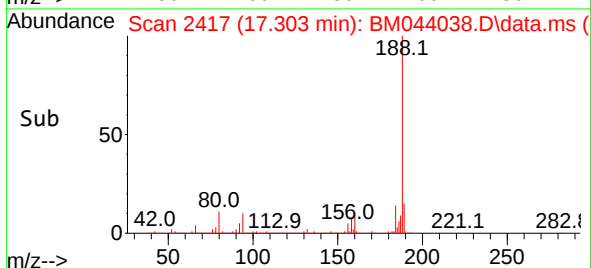
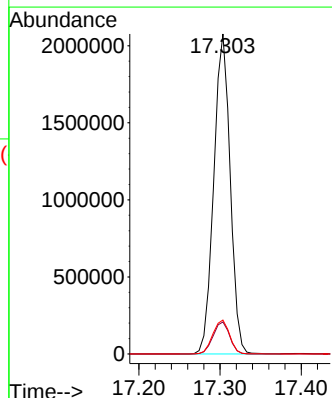
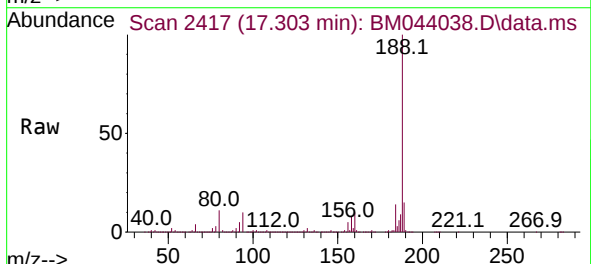
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

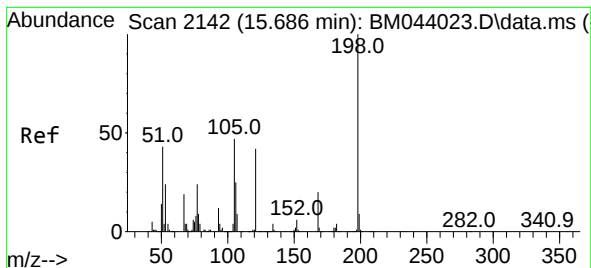
Tgt Ion: 77 Resp: 757690
Ion Ratio Lower Upper
77 100
182 22.0 4.0 44.0
105 22.2 3.3 43.3
51 28.6 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.303 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion: 188 Resp: 2913917
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 10.6 8.8 13.2

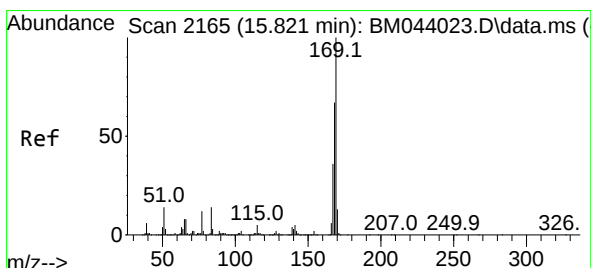
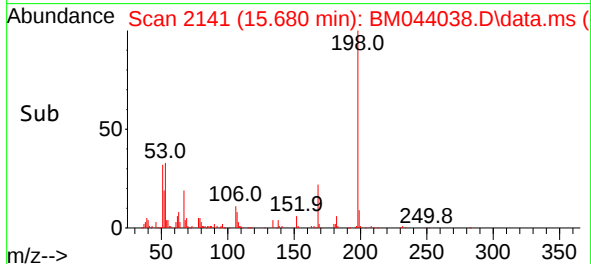
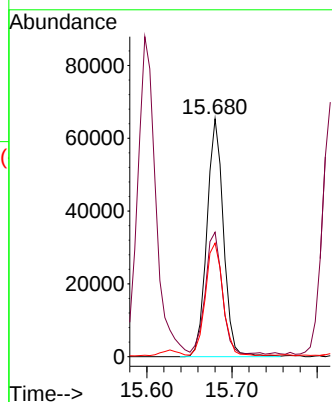
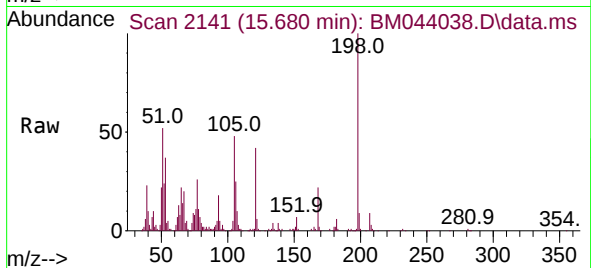




#65
4,6-Dinitro-2-methylphenol
Concen: 5.081 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

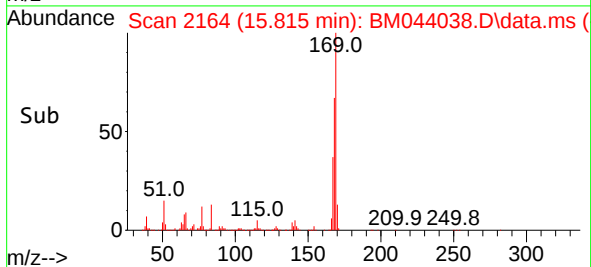
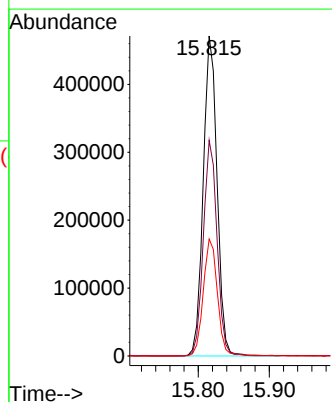
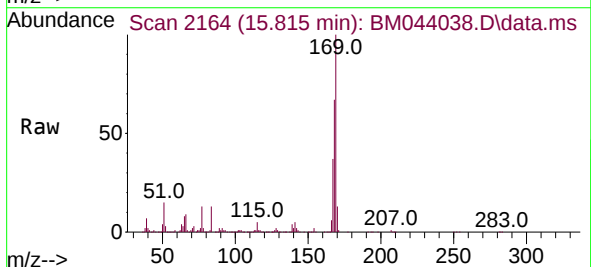
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

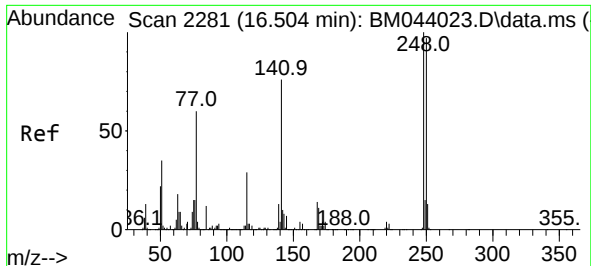
Tgt Ion:198 Resp: 88223
Ion Ratio Lower Upper
198 100
51 52.3 29.9 69.9
105 47.8 28.7 68.7



#66
n-Nitrosodiphenylamine
Concen: 7.223 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:169 Resp: 639440
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.8
167 36.5 29.2 43.8

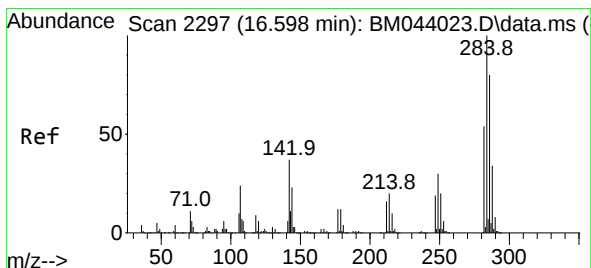
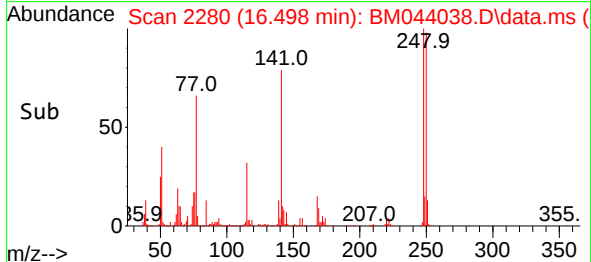
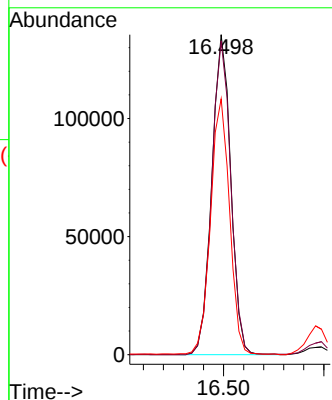
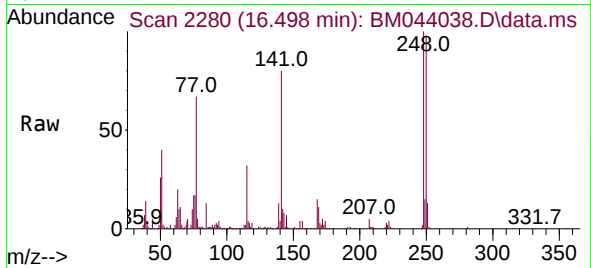




#67
4-Bromophenyl-phenylether
Concen: 6.187 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

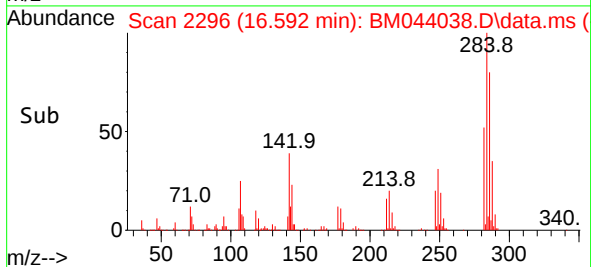
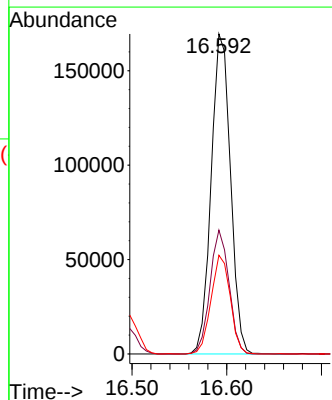
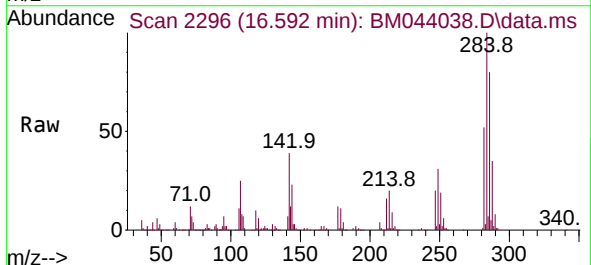
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

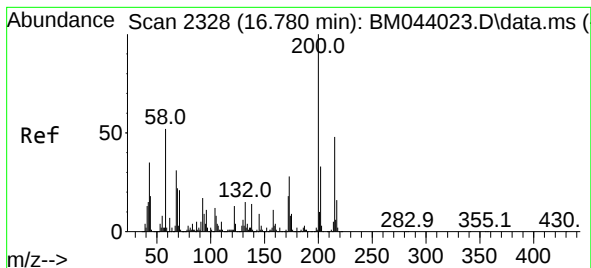
Tgt Ion:248 Resp: 178236
Ion Ratio Lower Upper
248 100
250 98.1 77.4 116.2
141 79.9 61.0 91.6



#68
Hexachlorobenzene
Concen: 6.782 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:284 Resp: 239347
Ion Ratio Lower Upper
284 100
142 38.7 30.0 45.0
249 30.8 24.1 36.1





#69

Atrazine

Concen: 8.341 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

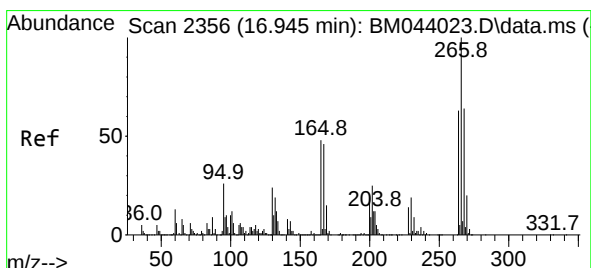
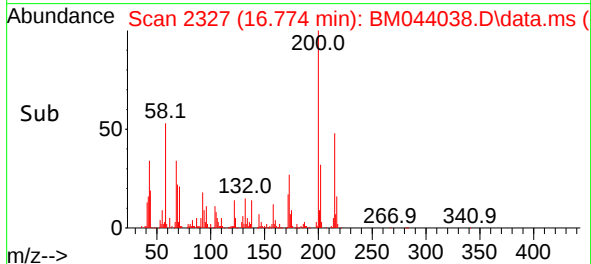
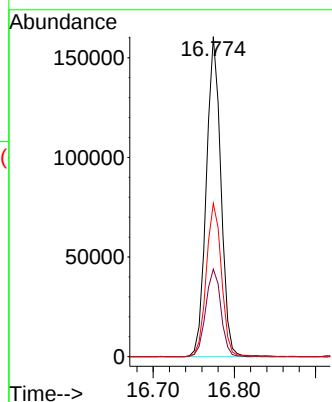
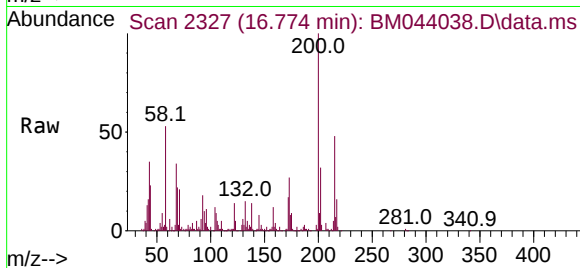
Tgt Ion:200 Resp: 199940

Ion Ratio Lower Upper

200 100

173 27.4 7.9 47.9

215 47.9 27.9 67.9



#70

Pentachlorophenol

Concen: 5.424 ng

RT: 16.945 min Scan# 2356

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

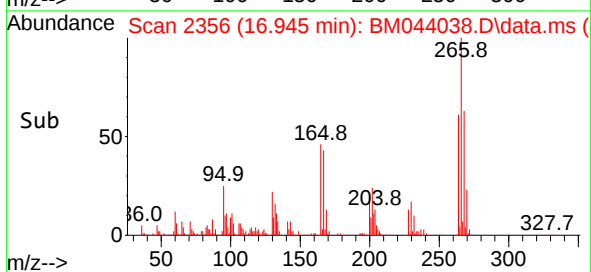
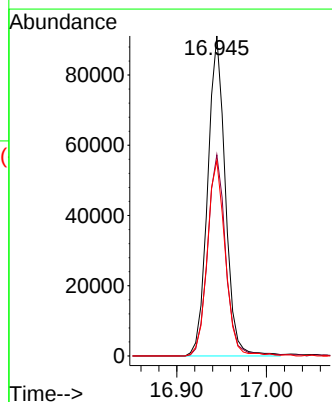
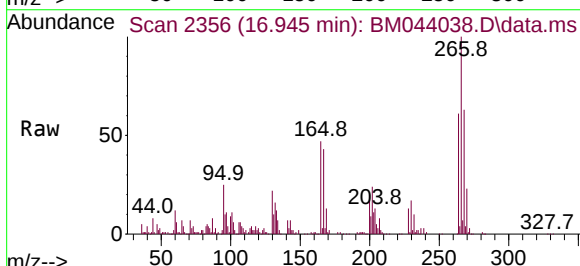
Tgt Ion:266 Resp: 124515

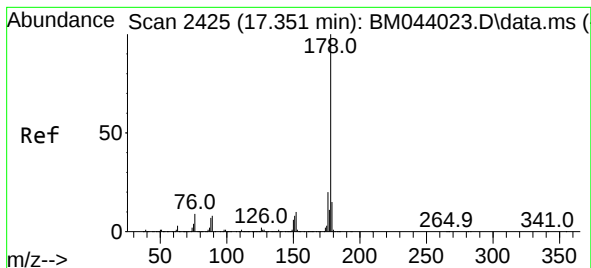
Ion Ratio Lower Upper

266 100

268 62.8 51.1 76.7

264 61.0 50.5 75.7





#71

Phenanthrene

Concen: 7.287 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

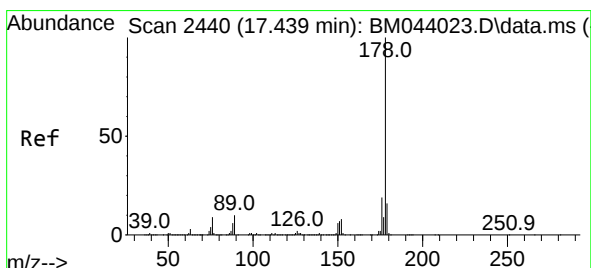
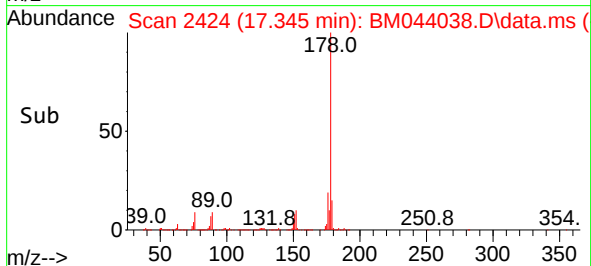
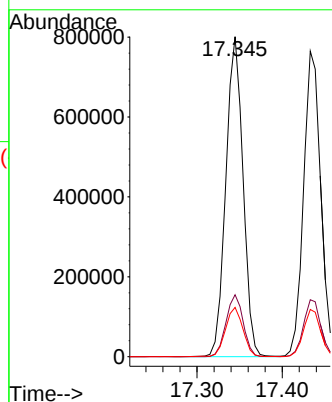
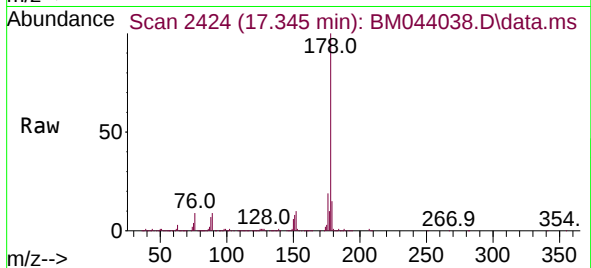
Tgt Ion:178 Resp: 1121320

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.4 12.2 18.4



#72

Anthracene

Concen: 7.081 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

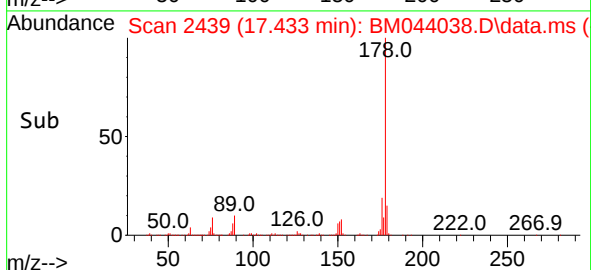
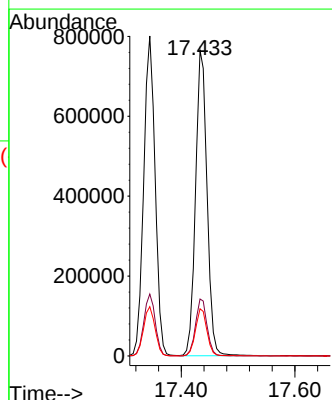
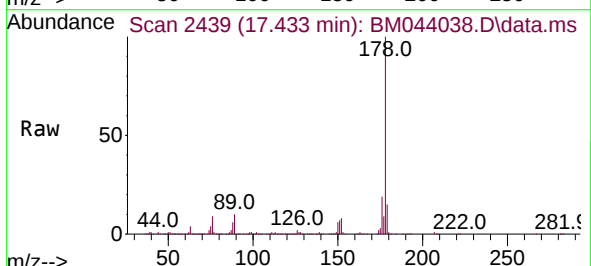
Tgt Ion:178 Resp: 1078694

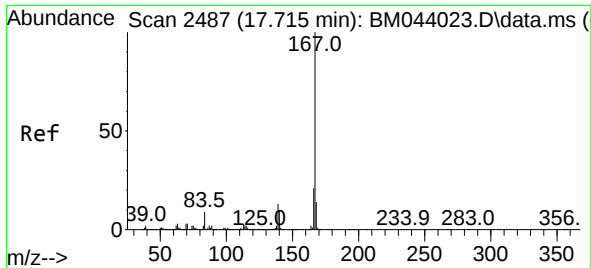
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.4 12.4 18.6

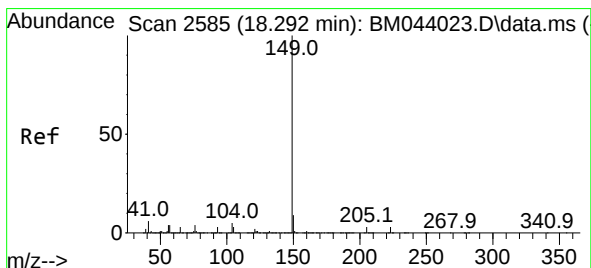
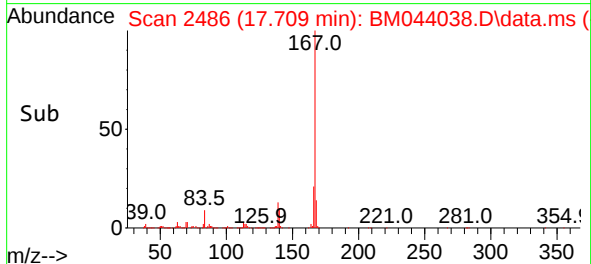
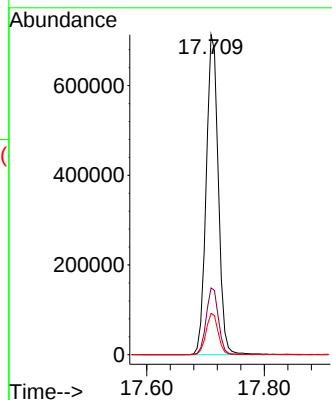
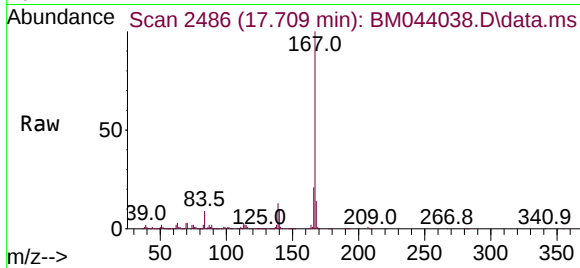




#73
 Carbazole
 Concen: 6.904 ng
 RT: 17.709 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044038.D
 Acq: 09 Feb 2024 14:17

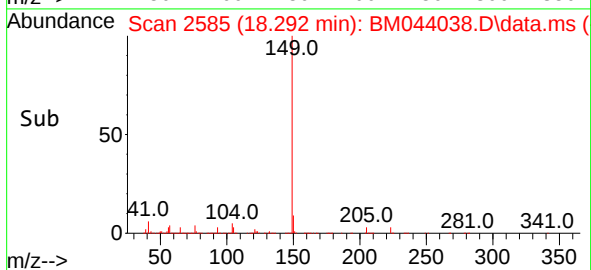
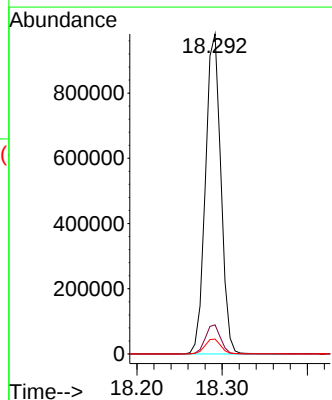
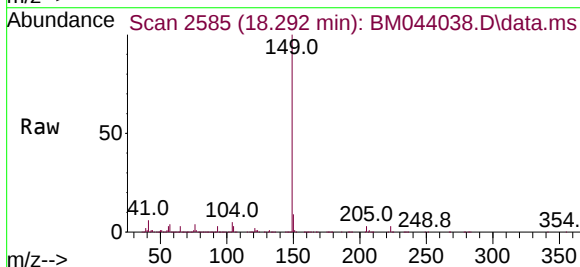
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

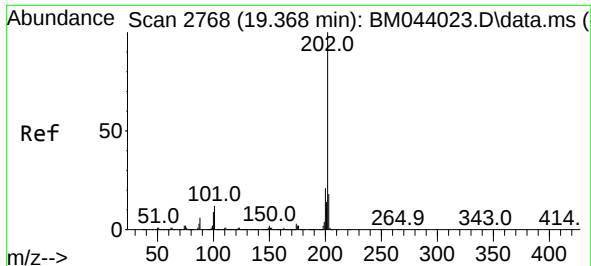
Tgt Ion:167 Resp: 1022871
 Ion Ratio Lower Upper
 167 100
 166 20.8 16.8 25.2
 139 12.9 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 6.396 ng
 RT: 18.292 min Scan# 2585
 Delta R.T. -0.000 min
 Lab File: BM044038.D
 Acq: 09 Feb 2024 14:17

Tgt Ion:149 Resp: 1231674
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.7 3.8 5.6

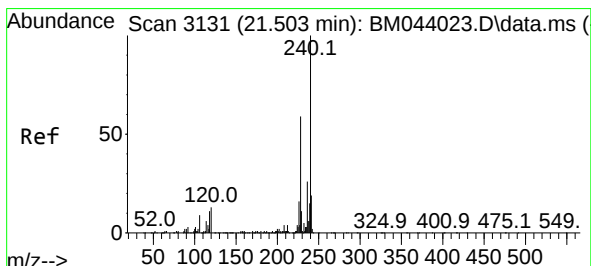
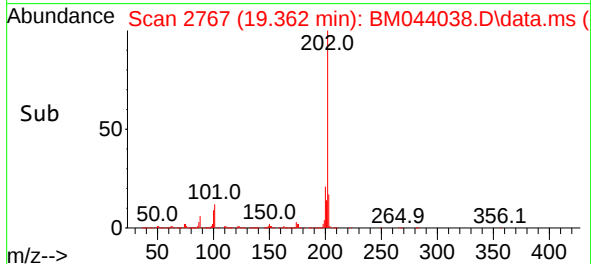
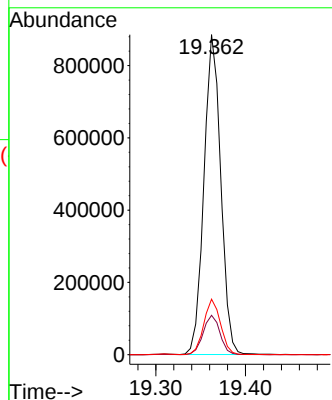
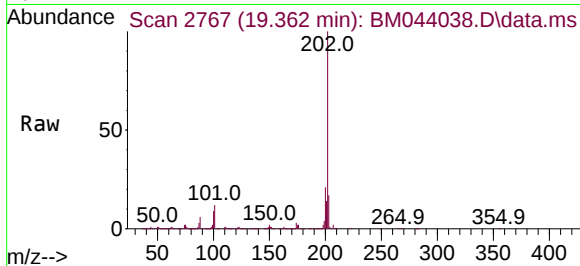




#75
Fluoranthene
Concen: 6.666 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

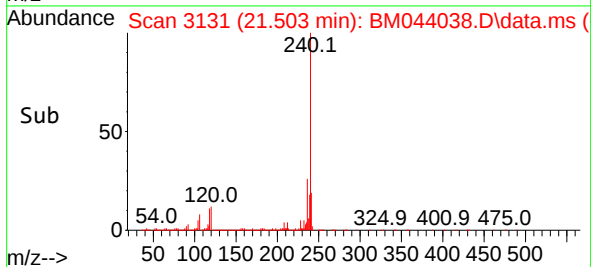
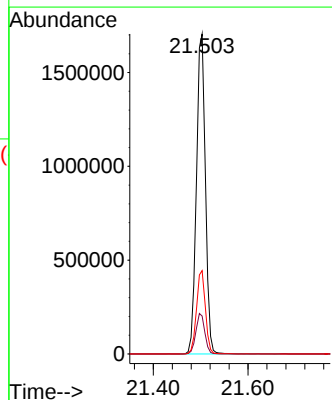
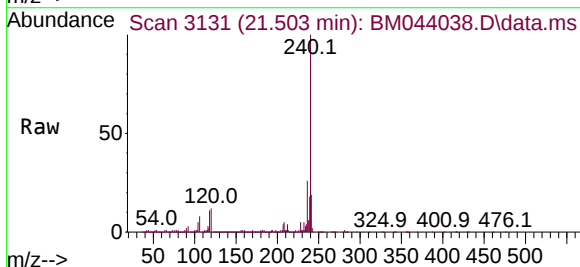
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

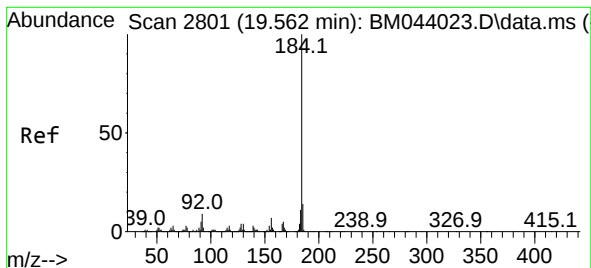
Tgt Ion:202 Resp: 1152205
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:240 Resp: 2249501
Ion Ratio Lower Upper
240 100
120 11.9 10.1 15.1
236 26.1 20.6 31.0





#77

Benzidine

Concen: 11.990 ng

RT: 19.562 min Scan# 2801

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

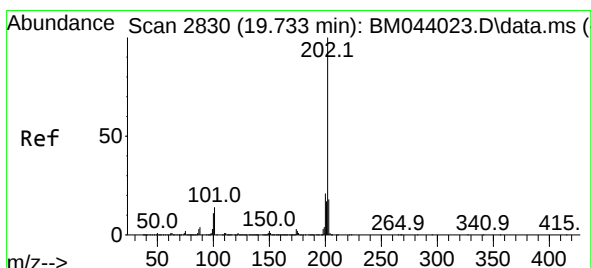
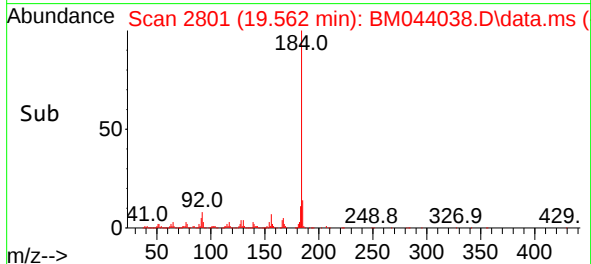
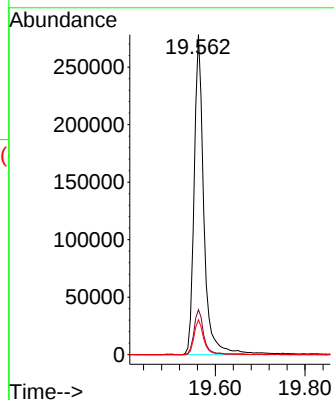
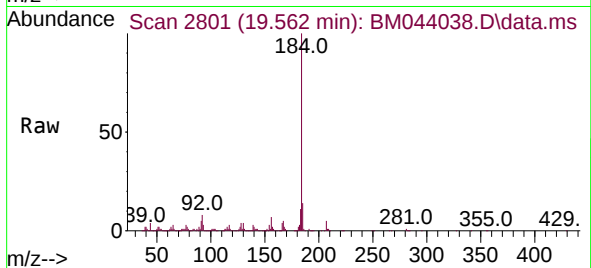
Tgt Ion:184 Resp: 419162

Ion Ratio Lower Upper

184 100

185 14.1 11.0 16.6

183 10.9 9.0 13.4



#78

Pyrene

Concen: 6.975 ng

RT: 19.727 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

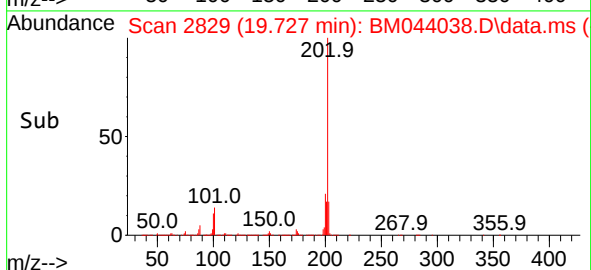
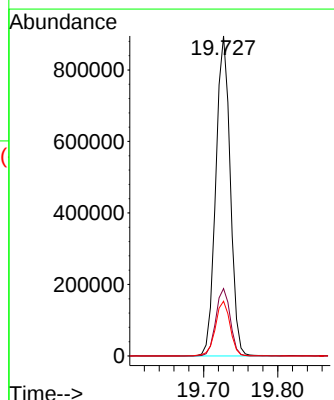
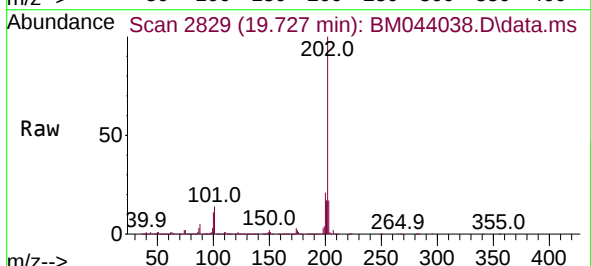
Tgt Ion:202 Resp: 1208461

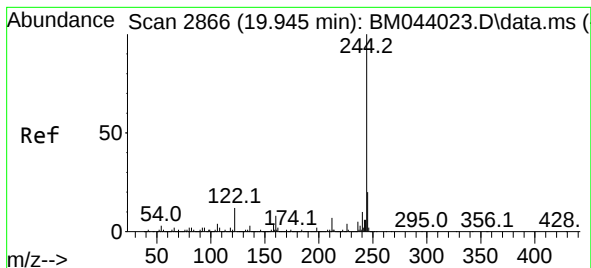
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.1 14.0 21.0





#79

Terphenyl-d14

Concen: 64.916 ng

RT: 19.944 min Scan# 2866

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

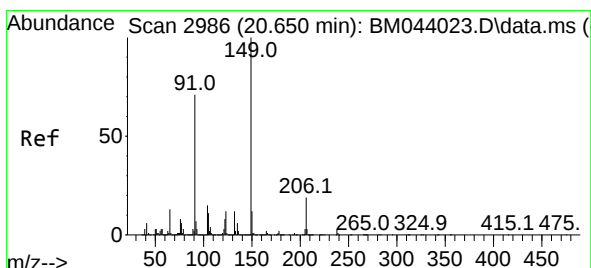
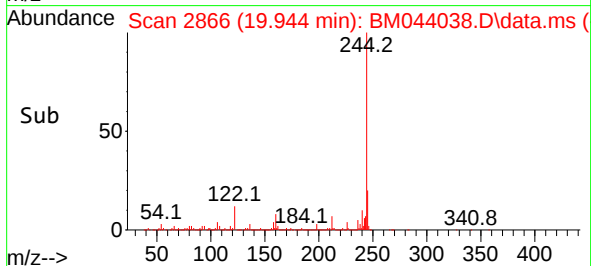
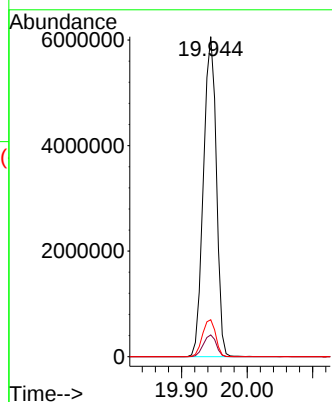
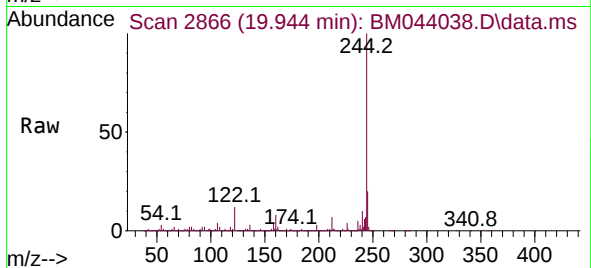
Tgt Ion:244 Resp: 8330043

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 11.6 9.5 14.3



#80

Butylbenzylphthalate

Concen: 5.995 ng

RT: 20.650 min Scan# 2986

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

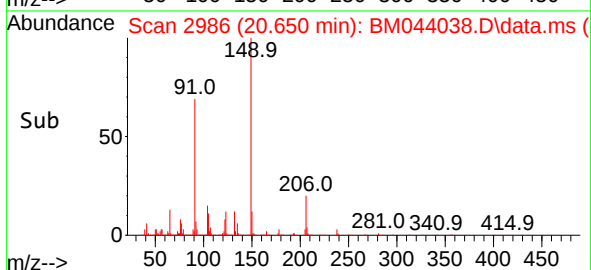
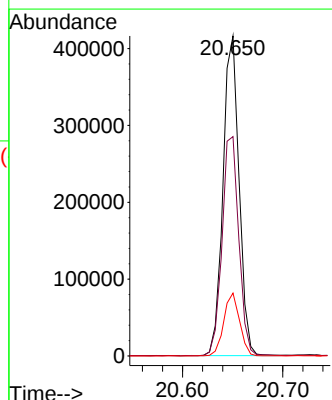
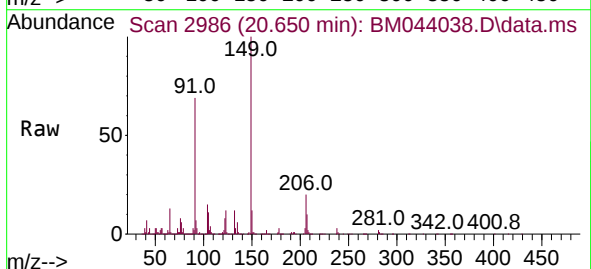
Tgt Ion:149 Resp: 461701

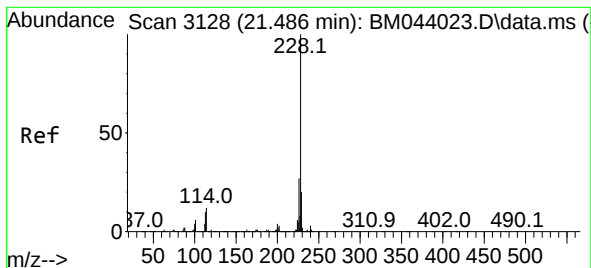
Ion Ratio Lower Upper

149 100

91 68.6 56.8 85.2

206 19.7 15.0 22.6





#81

Benzo(a)anthracene

Concen: 6.977 ng

RT: 21.486 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

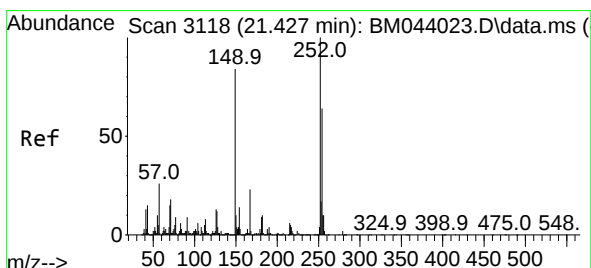
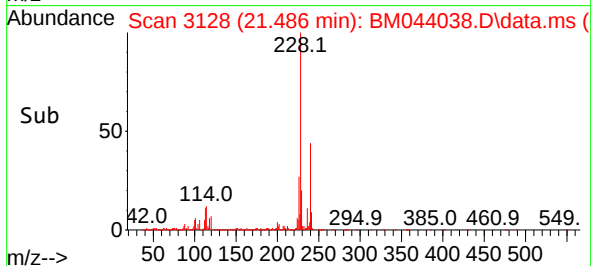
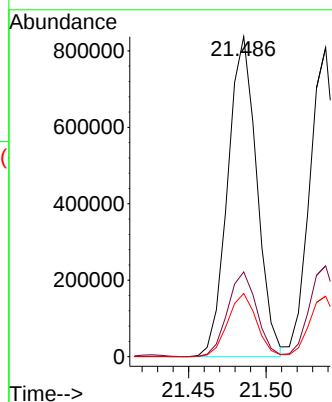
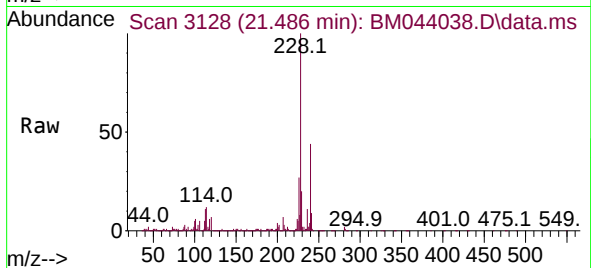
Tgt Ion:228 Resp: 1091759

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.8 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 7.296 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

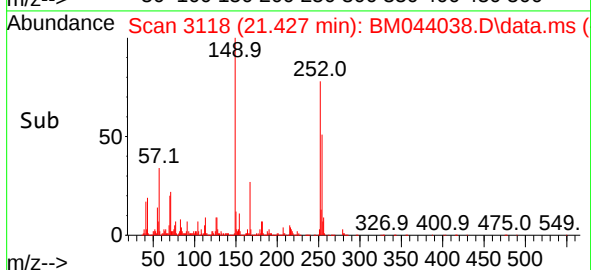
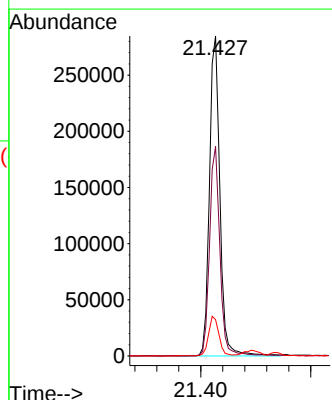
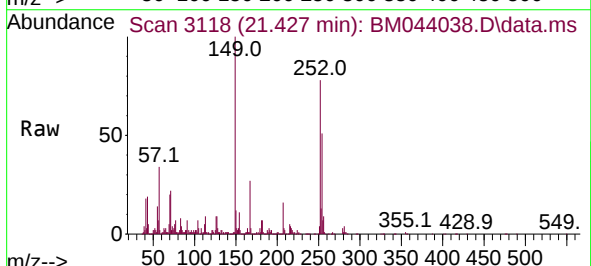
Tgt Ion:252 Resp: 374571

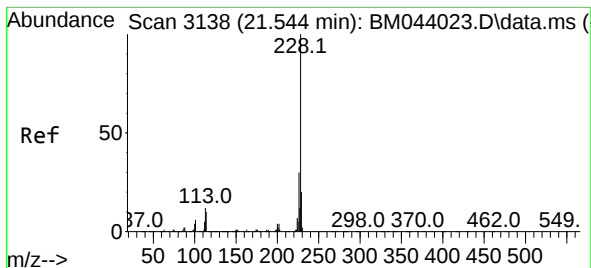
Ion Ratio Lower Upper

252 100

254 65.5 51.2 76.8

126 11.3 10.2 15.4





#83

Chrysene

Concen: 6.872 ng

RT: 21.538 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

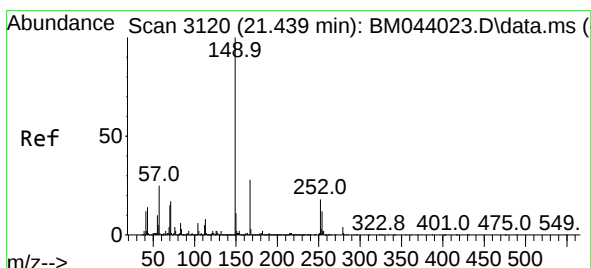
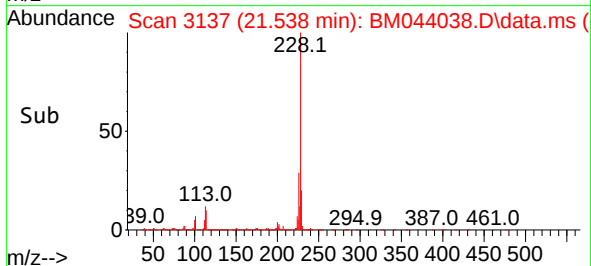
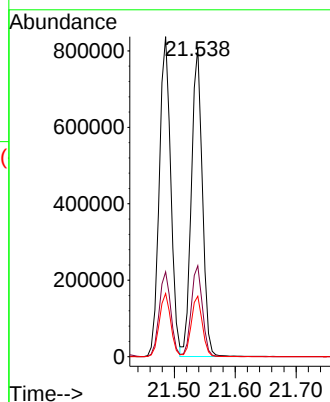
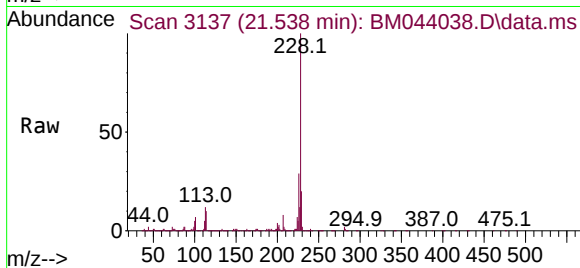
Tgt Ion:228 Resp: 1015859

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.2

229 19.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.245 ng

RT: 21.433 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

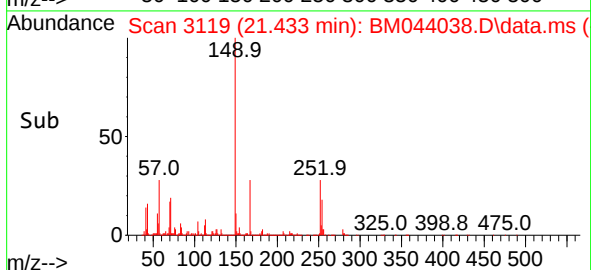
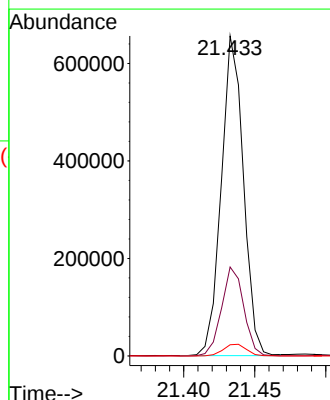
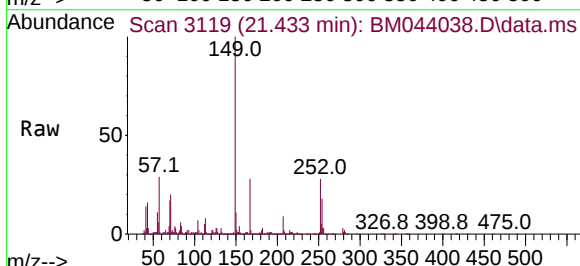
Tgt Ion:149 Resp: 709593

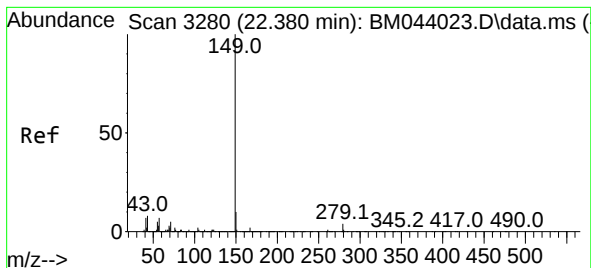
Ion Ratio Lower Upper

149 100

167 27.8 22.6 33.8

279 3.5 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 5.639 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

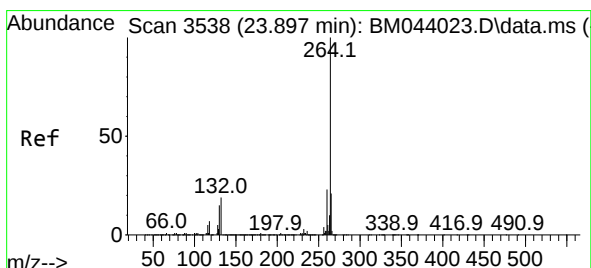
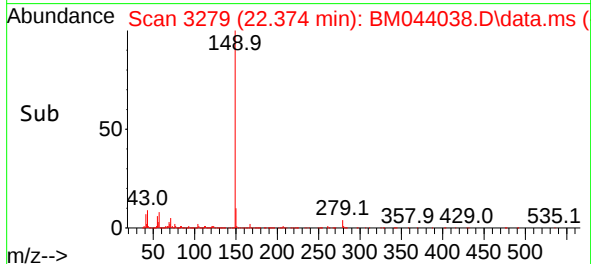
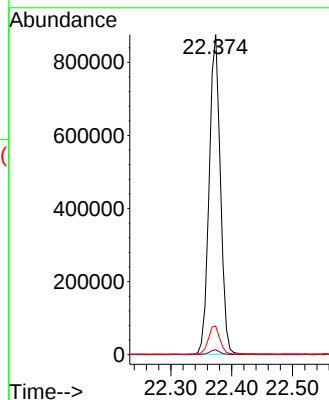
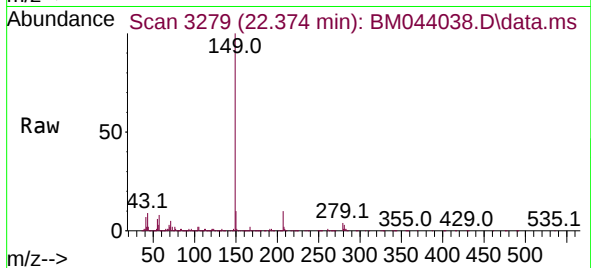
Tgt Ion:149 Resp: 1119053

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 9.3 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: BM044038.D

Acq: 09 Feb 2024 14:17

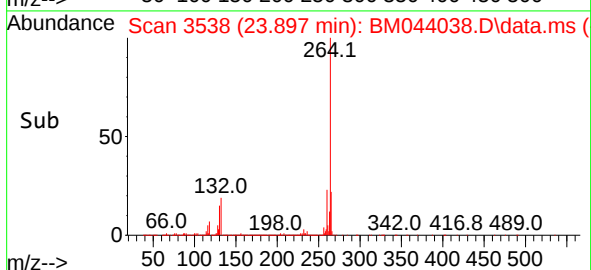
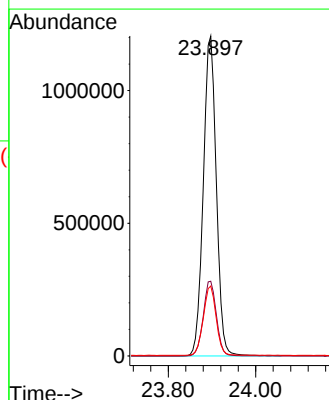
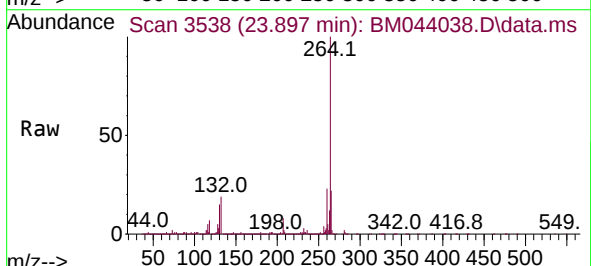
Tgt Ion:264 Resp: 2500805

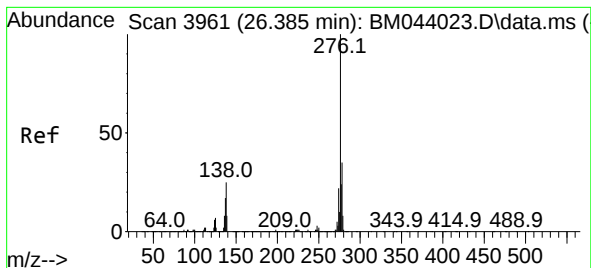
Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 21.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.842 ng

RT: 26.373 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

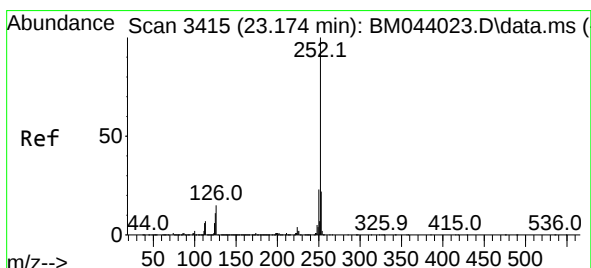
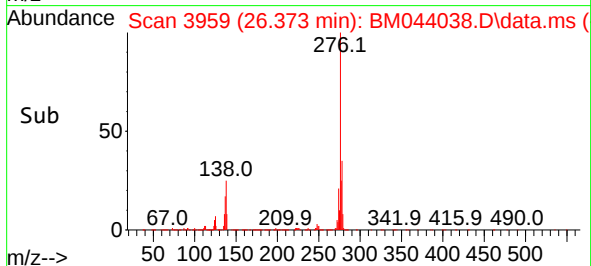
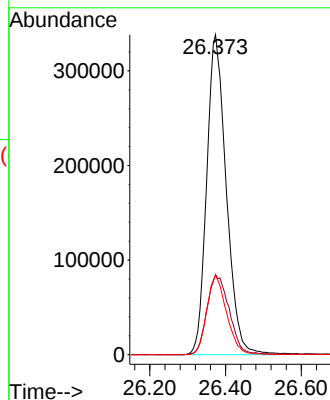
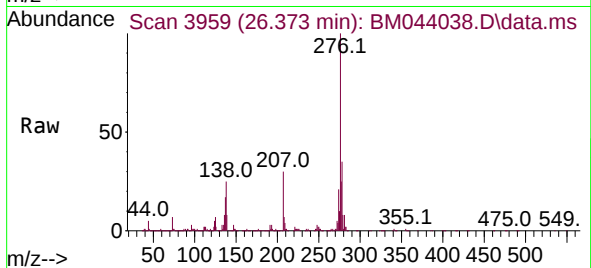
Tgt Ion:276 Resp: 1210970

Ion Ratio Lower Upper

276 100

138 28.4 22.6 34.0

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.788 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

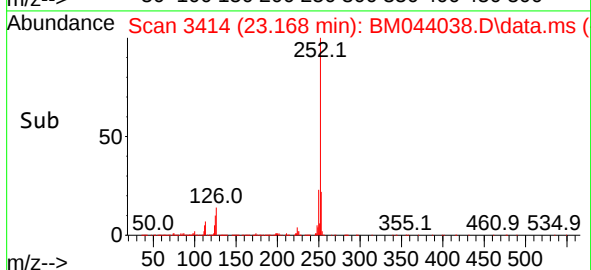
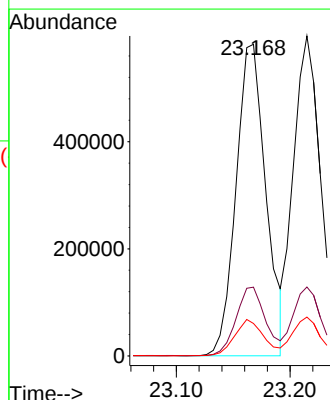
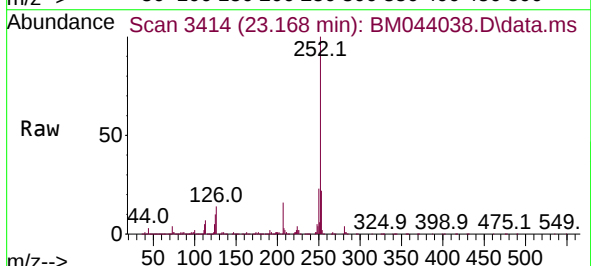
Tgt Ion:252 Resp: 1061110

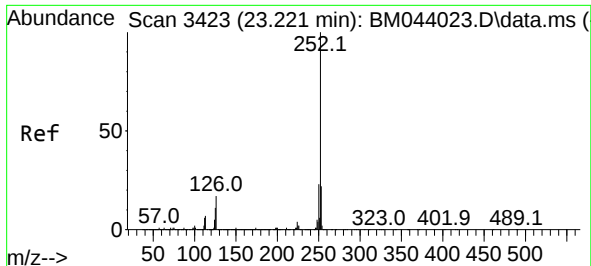
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.4 8.8 13.2

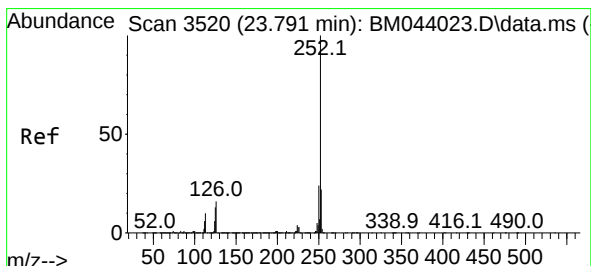
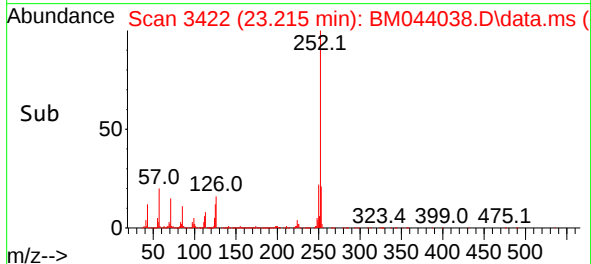
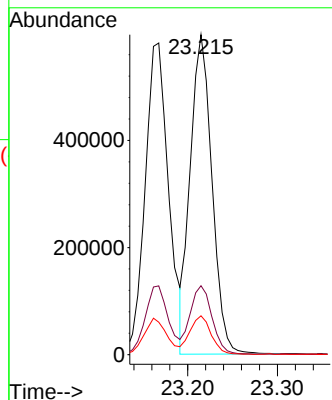
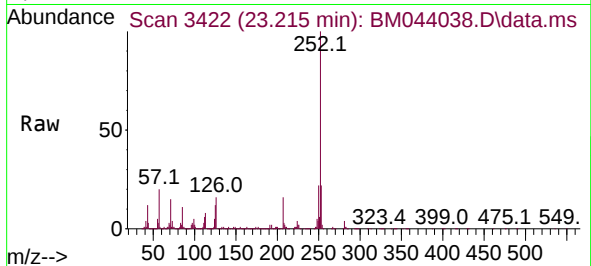




#89
Benzo(k)fluoranthene
Concen: 6.758 ng
RT: 23.215 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

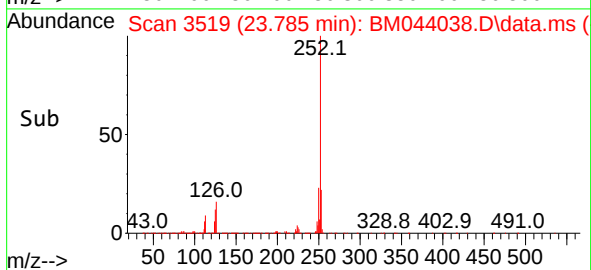
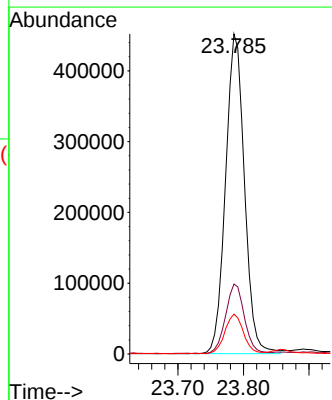
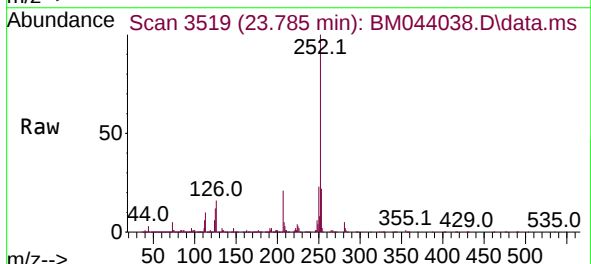
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

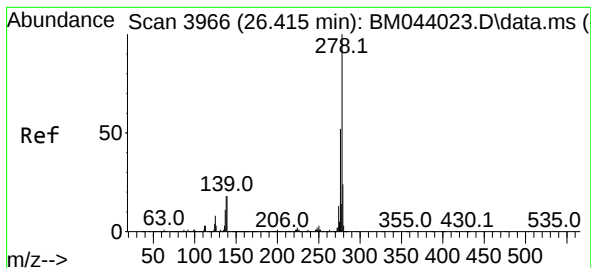
Tgt Ion:252 Resp: 1003932
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 12.2 9.0 13.4



#90
Benzo(a)pyrene
Concen: 6.607 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044038.D
Acq: 09 Feb 2024 14:17

Tgt Ion:252 Resp: 902193
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 12.4 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 6.975 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

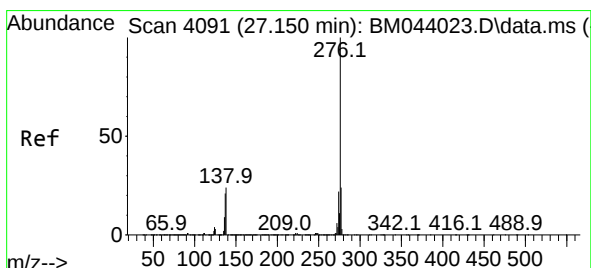
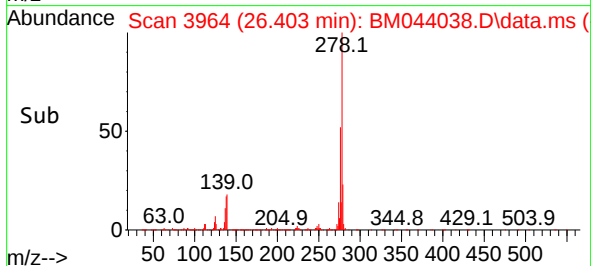
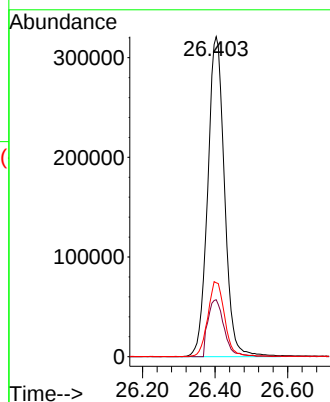
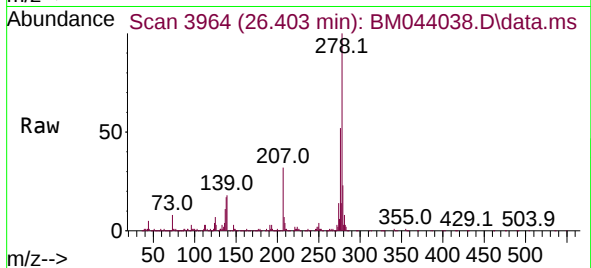
Tgt Ion:278 Resp: 1032688

Ion Ratio Lower Upper

278 100

139 17.8 14.5 21.7

279 23.1 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 6.527 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044038.D

Acq: 09 Feb 2024 14:17

Tgt Ion:276 Resp: 979961

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.4

138 24.7 19.1 28.7

