

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
 Data File : BM044033.D
 Acq On : 09 Feb 2024 11:17
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 09 12:15:38 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	400606	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	1677295	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	978241	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	1962163	20.000	ng	0.00
76) Chrysene-d12	21.497	240	1613045	20.000	ng	0.00
86) Perylene-d12	23.891	264	1745554	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	3567881	129.535	ng	0.00
7) Phenol-d6	7.075	99	4474267	127.671	ng	0.00
23) Nitrobenzene-d5	9.081	82	2546248	80.554	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1457448	137.603	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	5492620	79.243	ng	0.00
79) Terphenyl-d14	19.945	244	7152267	77.730	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	45802	4.190	ng	96
3) Pyridine	3.793	79	95039	3.293	ng	# 95
4) n-Nitrosodimethylamine	3.710	42	41119	3.755	ng	# 93
6) Aniline	7.239	93	146173	4.242	ng	97
8) 2-Chlorophenol	7.469	128	102962	3.580	ng	100
9) Benzaldehyde	7.057	77	101758	5.650	ng	99
10) Phenol	7.104	94	137529	3.888	ng	97
11) bis(2-Chloroethyl)ether	7.345	93	115782	3.953	ng	98
12) 1,3-Dichlorobenzene	7.792	146	122226	3.743	ng	98
13) 1,4-Dichlorobenzene	7.945	146	127927	3.886	ng	99
14) 1,2-Dichlorobenzene	8.257	146	120324	3.836	ng	99
15) Benzyl Alcohol	8.151	79	87474	3.833	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.445	45	145865	3.929	ng	98
17) 2-Methylphenol	8.351	107	83875	3.613	ng	96
18) Hexachloroethane	8.981	117	46074	3.738	ng	95
19) n-Nitroso-di-n-propyla...	8.722	70	83639	3.887	ng	98
20) 3+4-Methylphenols	8.681	107	109105	3.414	ng	96
22) Acetophenone	8.739	105	170832	4.013	ng	# 98
24) Nitrobenzene	9.116	77	128137	3.959	ng	97
25) Isophorone	9.645	82	217627	3.576	ng	98
26) 2-Nitrophenol	9.828	139	47260	3.149	ng	98
27) 2,4-Dimethylphenol	9.886	122	77472	4.037	ng	98
28) bis(2-Chloroethoxy)met...	10.133	93	149490	3.798	ng	99
29) 2,4-Dichlorophenol	10.357	162	85255	3.375	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	106374	3.744	ng	99
31) Naphthalene	10.763	128	354617	3.831	ng	98
32) Benzoic acid	9.945	122	30162	1.560	ng	97
33) 4-Chloroaniline	10.880	127	132568	3.782	ng	98
34) Hexachlorobutadiene	11.033	225	59522	3.660	ng	98
35) Caprolactam	11.651	113	24253	2.983	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	89208	3.261	ng	97
37) 2-Methylnaphthalene	12.374	142	228849	3.711	ng	98
38) 1-Methylnaphthalene	12.592	142	224498	3.705	ng	100
40) 1,2,4,5-Tetrachloroben...	12.733	216	110663	3.892	ng	99
41) Hexachlorocyclopentadiene	12.710	237	46430	3.742	ng	98
43) 2,4,6-Trichlorophenol	12.980	196	62219	3.215	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.051	196	68387	3.220	ng	98
46) 1,1'-Biphenyl	13.386	154	303069	3.926	ng	99
47) 2-Chloronaphthalene	13.427	162	229926	3.760	ng	98
48) 2-Nitroaniline	13.639	65	54291	3.156	ng	90
49) Acenaphthylene	14.274	152	364625	3.997	ng	100
50) Dimethylphthalate	14.015	163	275171	3.794	ng	100
51) 2,6-Dinitrotoluene	14.139	165	50043	3.127	ng	88
52) Acenaphthene	14.615	154	215213	3.812	ng	99
53) 3-Nitroaniline	14.468	138	52738	3.067	ng	92
54) 2,4-Dinitrophenol	14.668	184	15061	7.046	ng	94
55) Dibenzofuran	14.951	168	351001	4.017	ng	99
56) 4-Nitrophenol	14.768	139	33867	2.423	ng	98
57) 2,4-Dinitrotoluene	14.921	165	61564	2.944	ng	92
58) Fluorene	15.598	166	270374	4.004	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	57786	3.468	ng	97
60) Diethylphthalate	15.386	149	270057	3.603	ng	100
61) 4-Chlorophenyl-phenyle...	15.604	204	131656	4.024	ng	99
62) 4-Nitroaniline	15.627	138	47823	2.763	ng	96
63) Azobenzene	15.898	77	251737	3.580	ng	99
65) 4,6-Dinitro-2-methylph...	15.680	198	24141	2.065	ng	94
66) n-Nitrosodiphenylamine	15.815	169	222127	3.726	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	70660	3.642	ng	99
68) Hexachlorobenzene	16.592	284	88136	3.709	ng	99
69) Atrazine	16.774	200	70482	4.366	ng	98
70) Pentachlorophenol	16.945	266	39730	2.570	ng	100
71) Phenanthrene	17.345	178	416904	4.024	ng	100
72) Anthracene	17.433	178	384529	3.749	ng	98
73) Carbazole	17.709	167	362233	3.631	ng	100
74) Di-n-butylphthalate	18.292	149	415351	3.203	ng	99
75) Fluoranthene	19.362	202	425974	3.660	ng	99
77) Benzidine	19.562	184	17576	0.701	ng	# 95
78) Pyrene	19.727	202	444391	3.577	ng	99
80) Butylbenzylphthalate	20.650	149	155051	2.808	ng	97
81) Benzo(a)anthracene	21.486	228	417857	3.724	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	127731	3.470	ng	98
83) Chrysene	21.539	228	395909	3.735	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	259165	3.181	ng	99
85) Di-n-octyl phthalate	22.374	149	363659	2.556	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	440975	3.569	ng	99
88) Benzo(b)fluoranthene	23.162	252	403345	3.696	ng	100
89) Benzo(k)fluoranthene	23.215	252	380058	3.666	ng	99
90) Benzo(a)pyrene	23.785	252	329358	3.456	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	370495	3.585	ng	99
92) Benzo(g,h,i)perylene	27.132	276	359956	3.435	ng	98

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

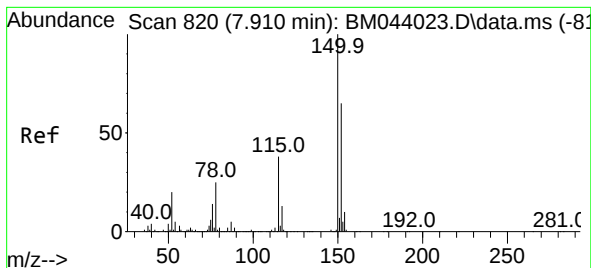
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Abundance

TIC: BM044033.D\data.ms

Time-->

1,4-Dioxane
1,4-Dioxane dimethylamine
2-Fluorophenol, S
Phenol-d6, S
Nitrobenzene-d5, S
Terphenyl-d14, S



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.910 min Scan# 81

Delta R.T. 0.000 min

Lab File: BM044033.D

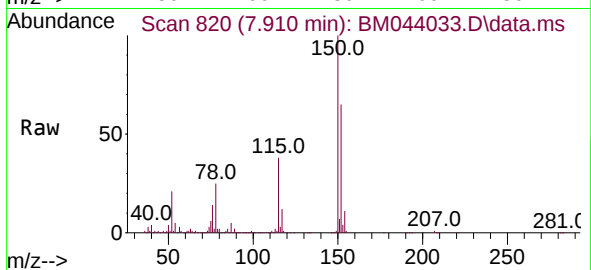
Acq: 09 Feb 2024 11:17

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BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



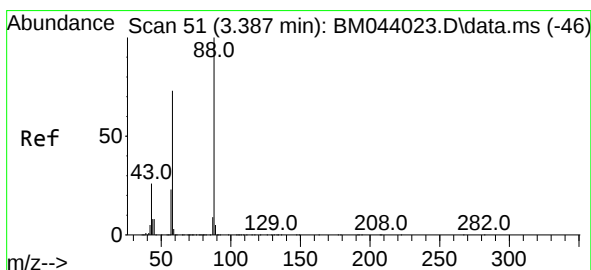
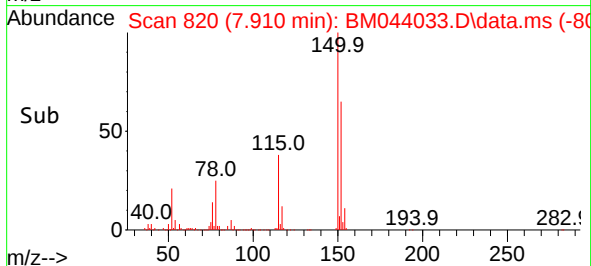
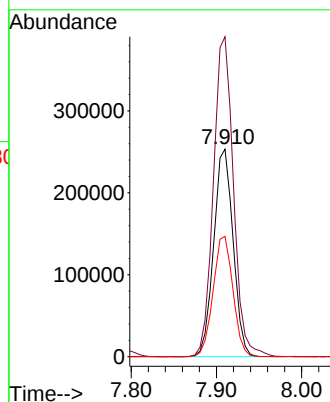
Tgt Ion:152 Resp: 400606

Ion Ratio Lower Upper

152 100

150 154.2 122.7 184.1

115 58.0 47.0 70.6



#2

1,4-Dioxane

Concen: 4.190 ng

RT: 3.387 min Scan# 51

Delta R.T. -0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

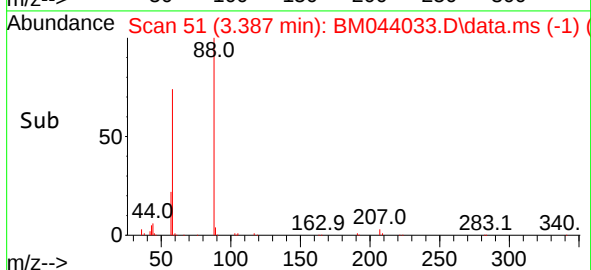
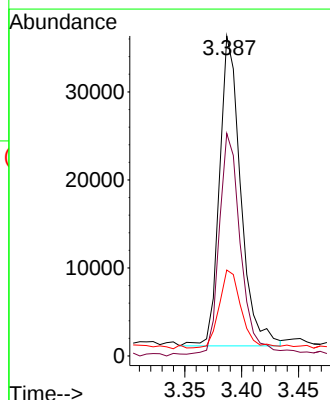
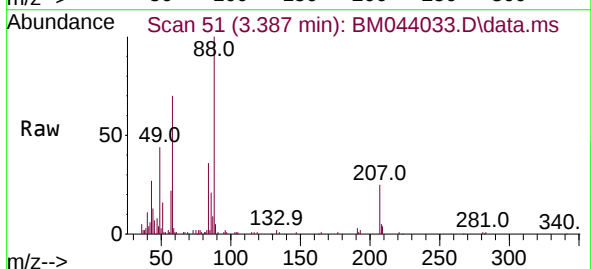
Tgt Ion: 88 Resp: 45802

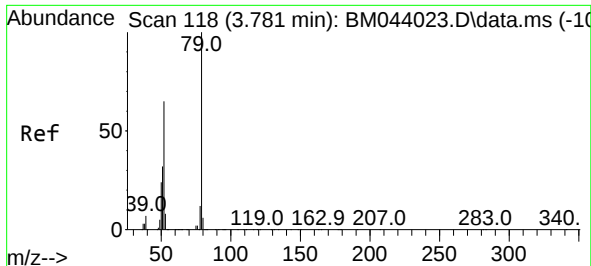
Ion Ratio Lower Upper

88 100

58 76.8 58.1 87.1

43 25.8 21.1 31.7

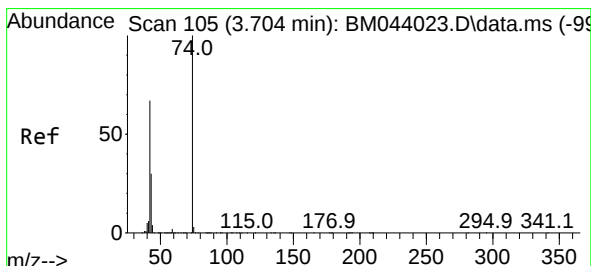
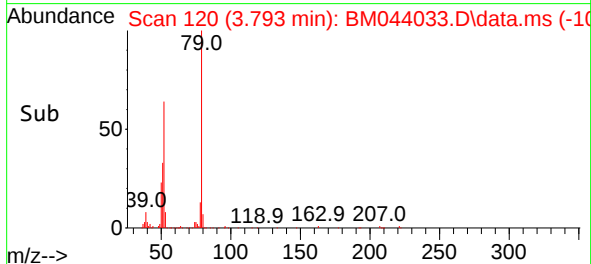
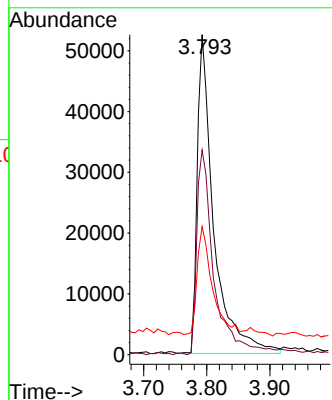
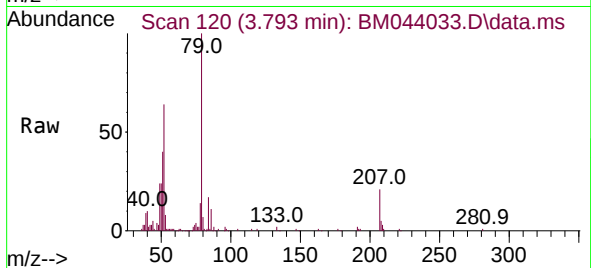




#3
Pyridine
Concen: 3.293 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

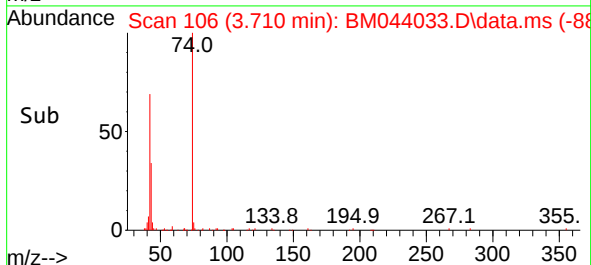
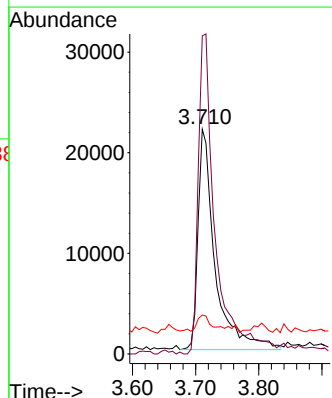
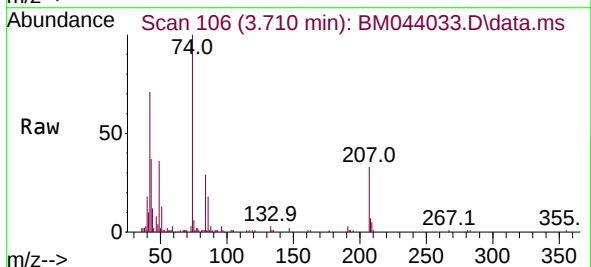
Instrument :
BNA_M
ClientSampleId :
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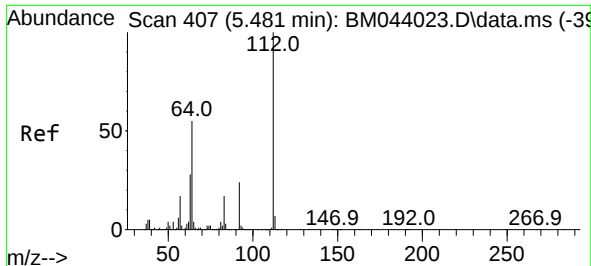
Tgt Ion: 79 Resp: 95039
Ion Ratio Lower Upper
79 100
52 64.0 52.2 78.2
51 40.0 26.2 39.4#



#4
n-Nitrosodimethylamine
Concen: 3.755 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion: 42 Resp: 41119
Ion Ratio Lower Upper
42 100
74 141.4 118.6 178.0
44 17.3 5.6 8.4#

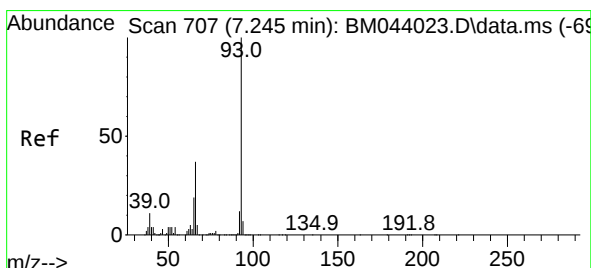
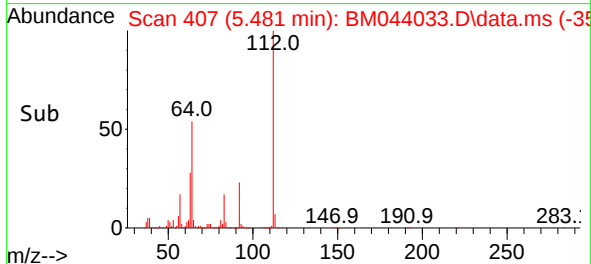
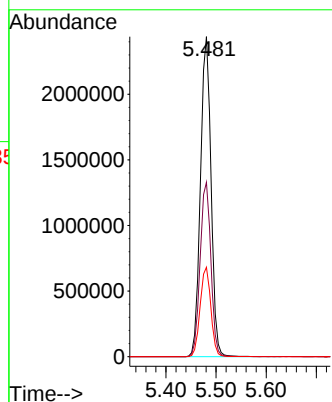
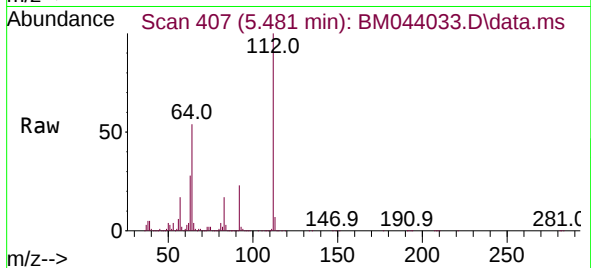




#5
2-Fluorophenol
Concen: 129.535 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

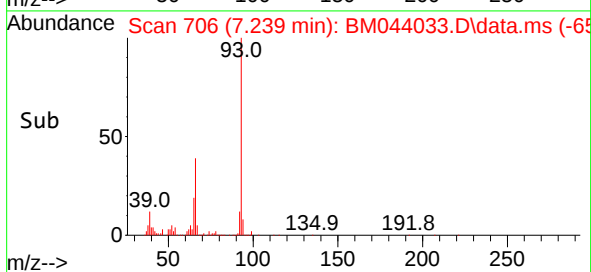
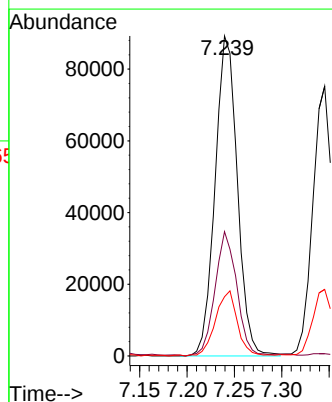
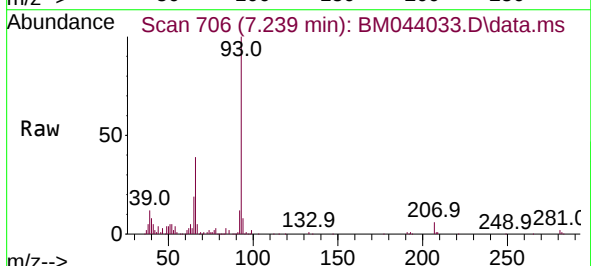
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ClientSampleId :
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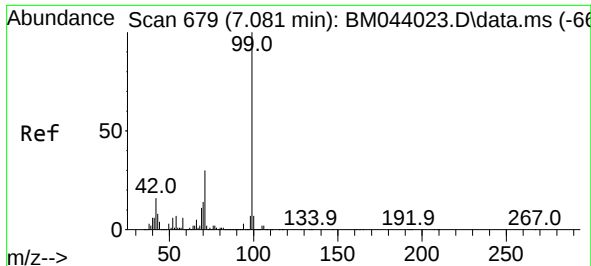
Tgt Ion:112 Resp: 3567881
Ion Ratio Lower Upper
112 100
64 54.5 44.2 66.4
63 27.9 22.6 34.0



#6
Aniline
Concen: 4.242 ng
RT: 7.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion: 93 Resp: 146173
Ion Ratio Lower Upper
93 100
66 38.8 29.4 44.0
65 18.5 15.2 22.8

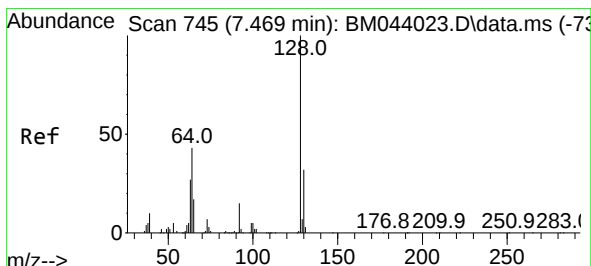
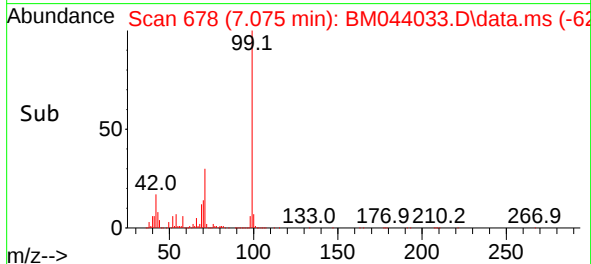
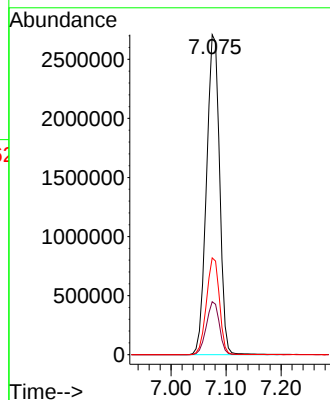
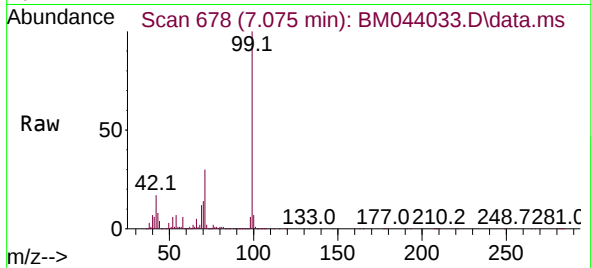




#7
Phenol-d6
Concen: 127.671 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

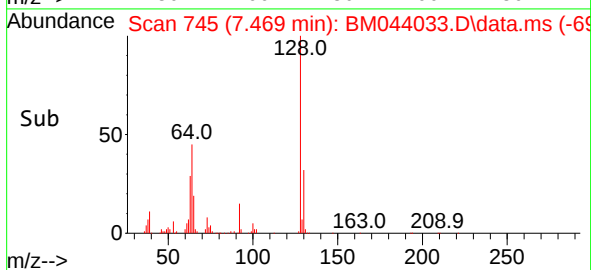
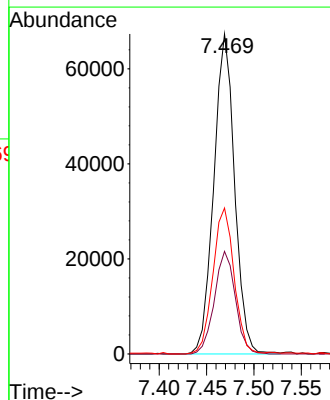
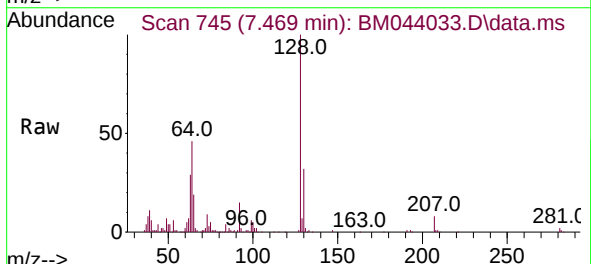
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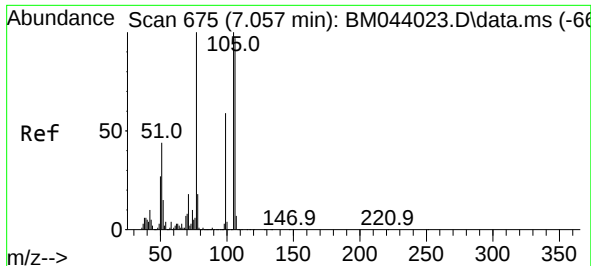
Tgt Ion: 99 Resp: 4474267
Ion Ratio Lower Upper
99 100
42 16.6 12.9 19.3
71 30.2 23.9 35.9



#8
2-Chlorophenol
Concen: 3.580 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion: 128 Resp: 102962
Ion Ratio Lower Upper
128 100
130 32.0 12.1 52.1
64 45.6 26.0 66.0

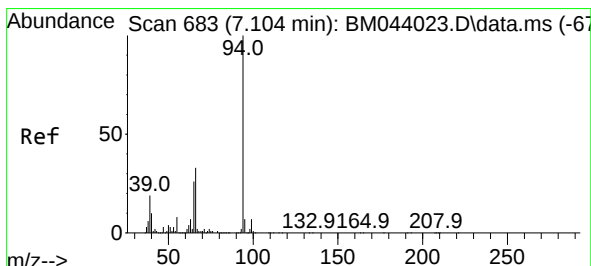
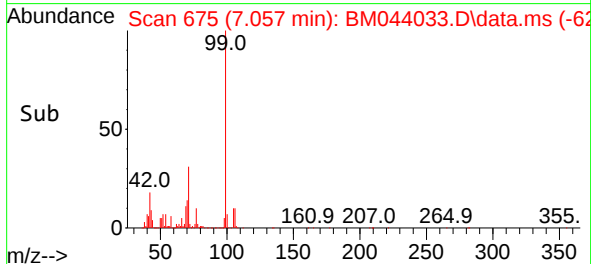
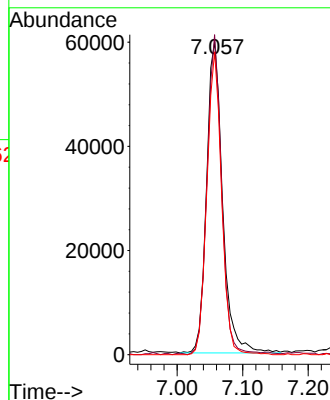
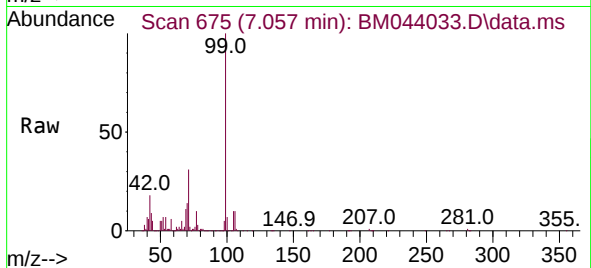




#9
Benzaldehyde
Concen: 5.650 ng
RT: 7.057 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

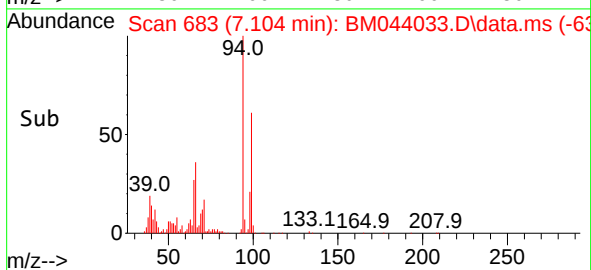
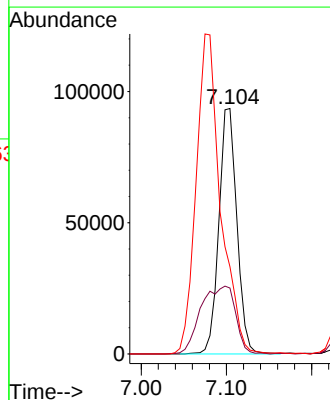
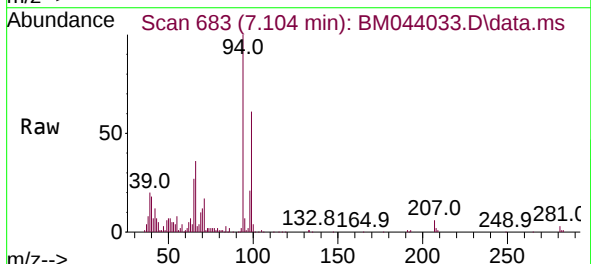
Instrument :
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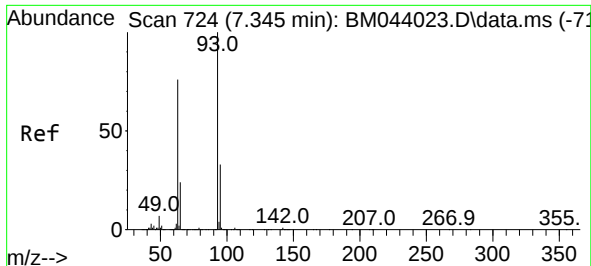
Tgt Ion: 77 Resp: 101758
Ion Ratio Lower Upper
77 100
105 102.4 80.0 120.0
106 97.0 76.8 116.8



#10
Phenol
Concen: 3.888 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion: 94 Resp: 137529
Ion Ratio Lower Upper
94 100
65 26.9 6.4 46.4
66 35.5 13.2 53.2

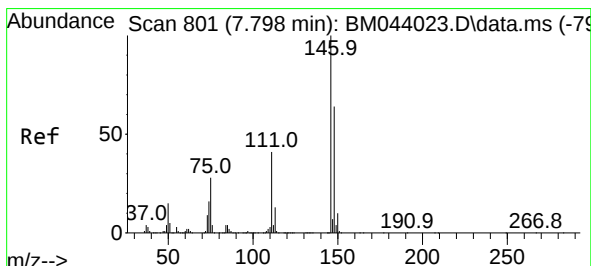
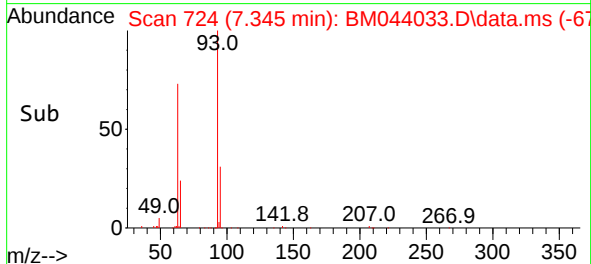
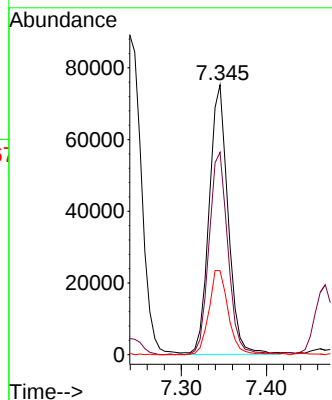
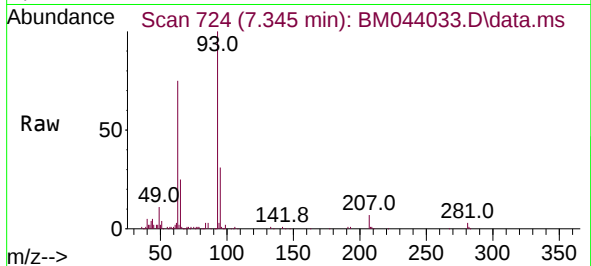




#11
bis(2-Chloroethyl)ether
Concen: 3.953 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

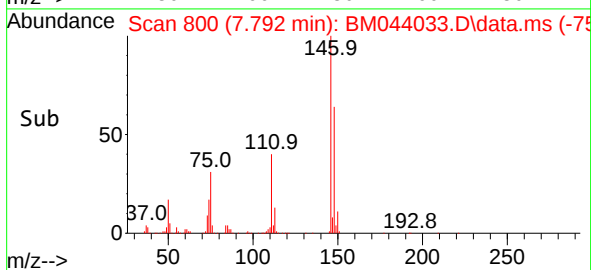
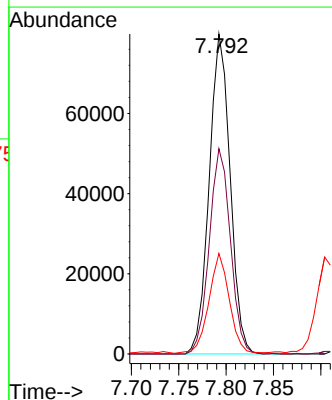
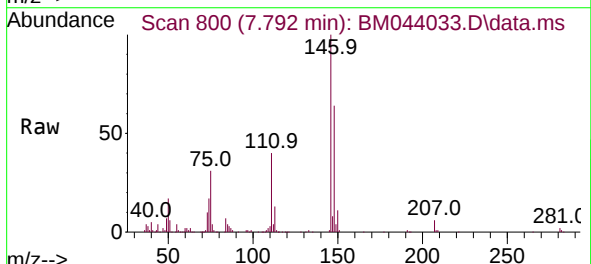
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

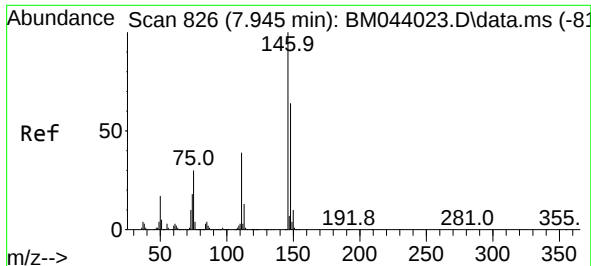
Tgt Ion: 93 Resp: 115782
Ion Ratio Lower Upper
93 100
63 75.0 55.9 95.9
95 31.2 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 3.743 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:146 Resp: 122226
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 31.4 22.7 34.1

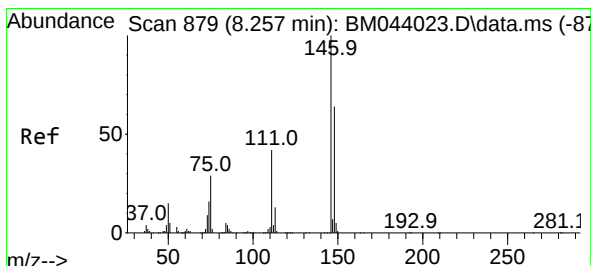
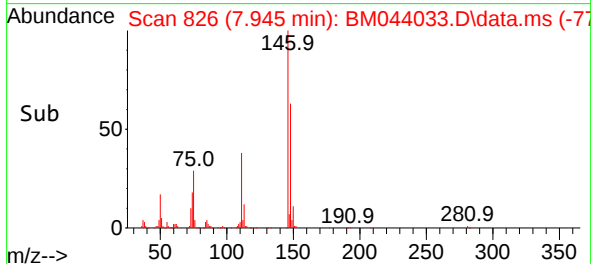
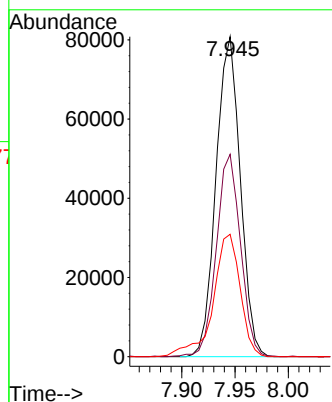
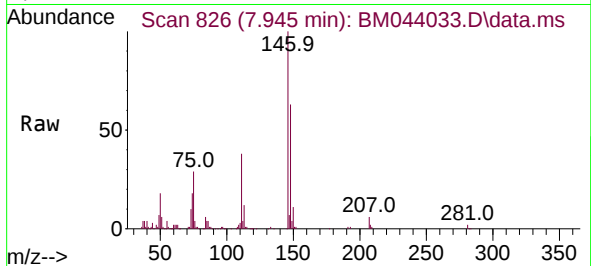




#13
1,4-Dichlorobenzene
Concen: 3.886 ng
RT: 7.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

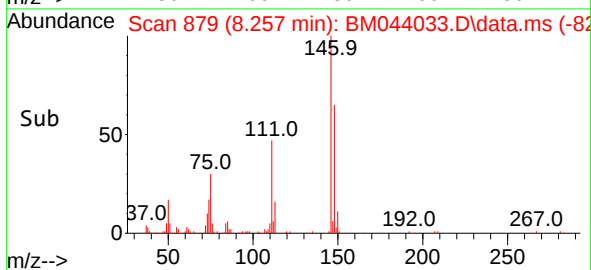
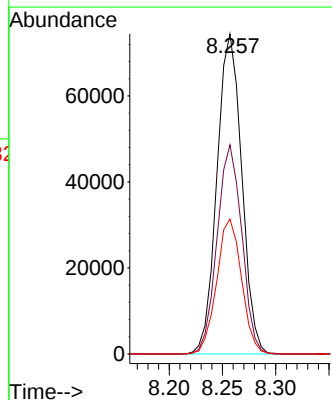
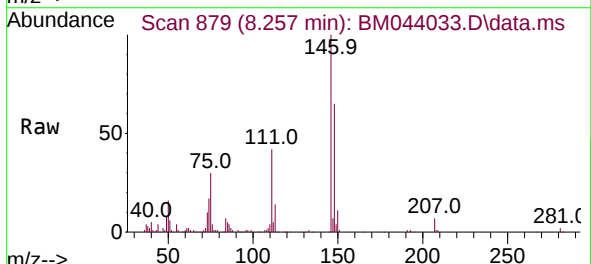
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

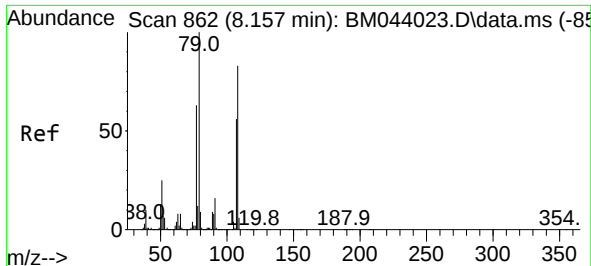
Tgt Ion:146 Resp: 127927
Ion Ratio Lower Upper
146 100
148 63.2 51.2 76.8
111 38.3 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 3.836 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:146 Resp: 120324
Ion Ratio Lower Upper
146 100
148 65.4 51.4 77.2
111 42.2 33.7 50.5

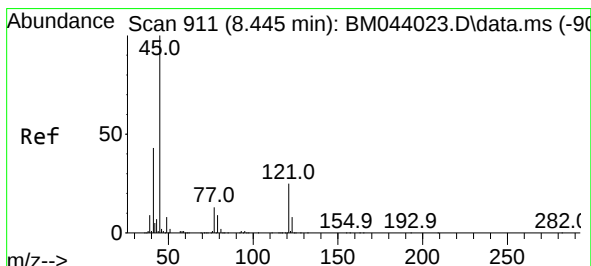
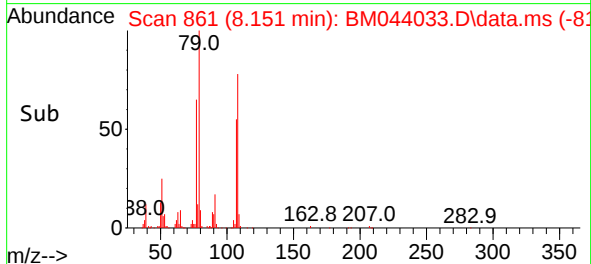
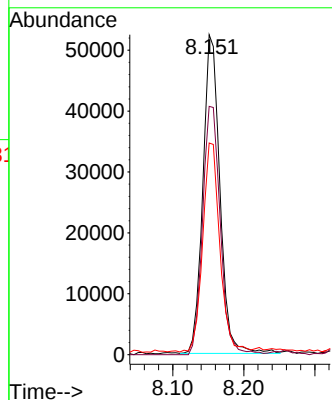
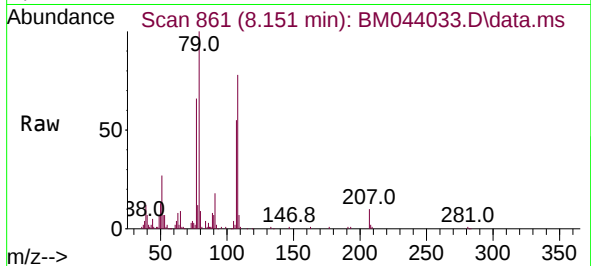




#15
Benzyl Alcohol
Concen: 3.833 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

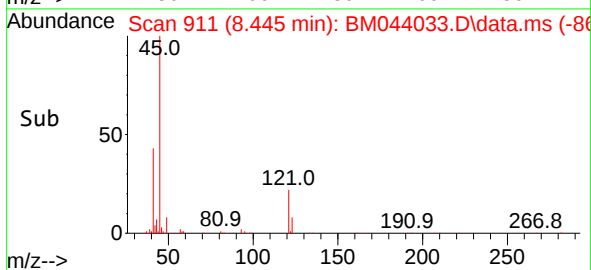
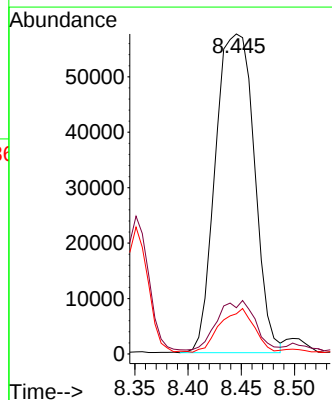
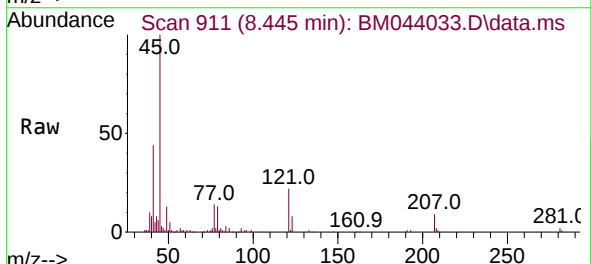
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

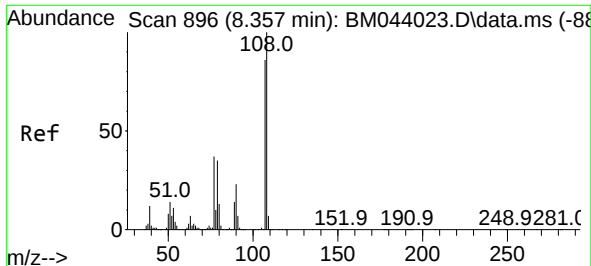
Tgt Ion: 79 Resp: 87474
Ion Ratio Lower Upper
79 100
108 77.6 66.0 99.0
77 66.1 50.4 75.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.929 ng
RT: 8.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion: 45 Resp: 145865
Ion Ratio Lower Upper
45 100
77 14.4 0.0 35.1
79 12.6 0.0 31.5

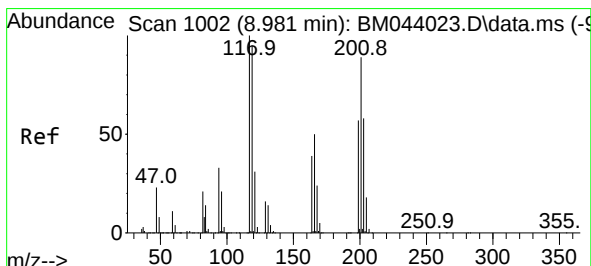
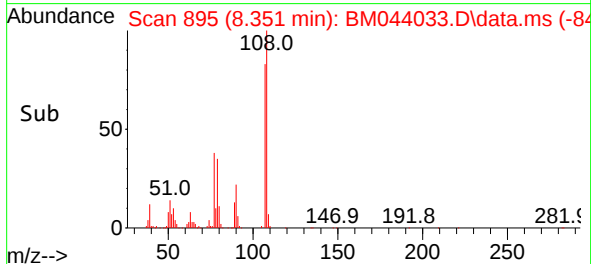
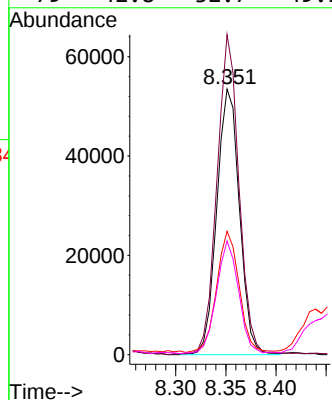
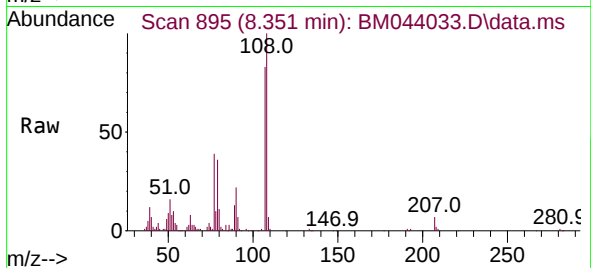




#17
2-Methylphenol
Concen: 3.613 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

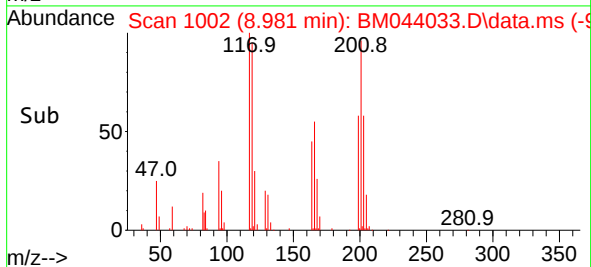
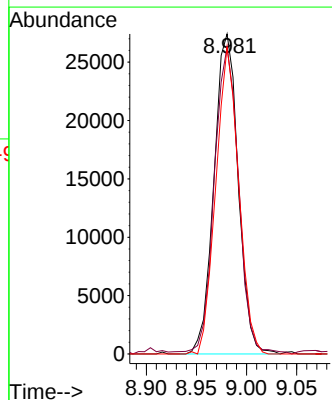
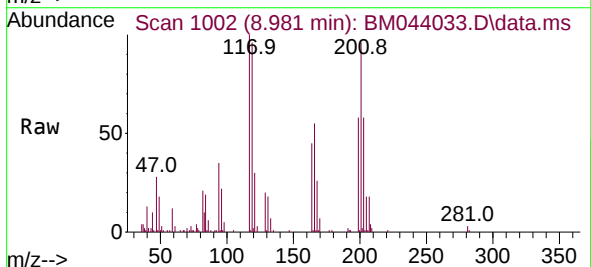
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

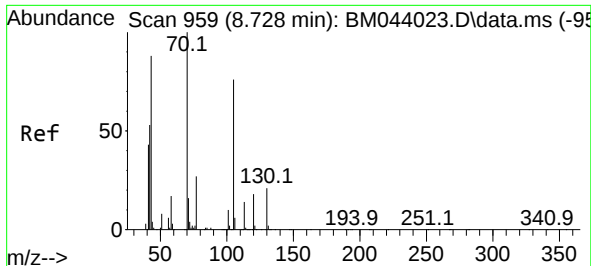
Tgt Ion:	107	Resp:	83875
Ion	Ratio	Lower	Upper
107	100		
108	120.5	93.4	140.2
77	46.5	34.7	52.1
79	42.8	32.7	49.1



#18
Hexachloroethane
Concen: 3.738 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:	117	Resp:	46074
Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.7	113.5
201	98.4	71.5	107.3

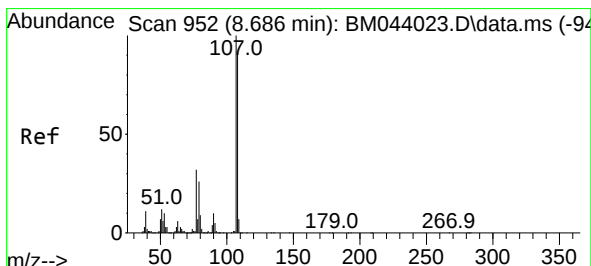
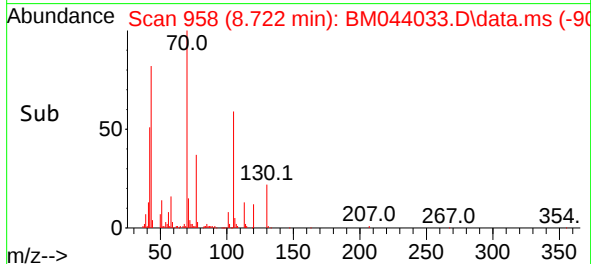
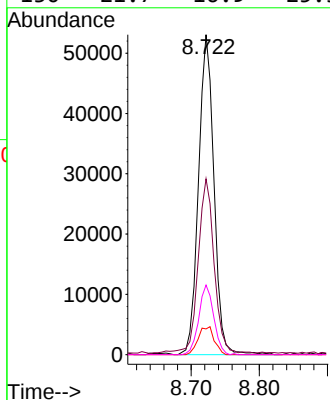
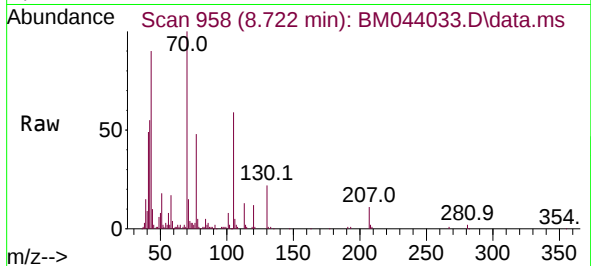




#19
n-Nitroso-di-n-propylamine
Concen: 3.887 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

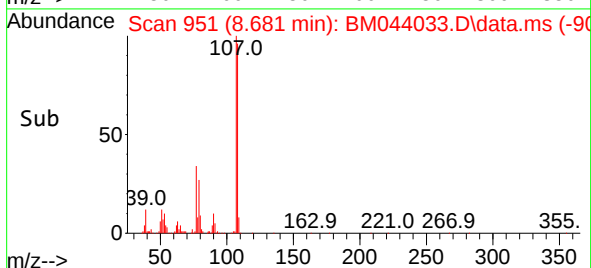
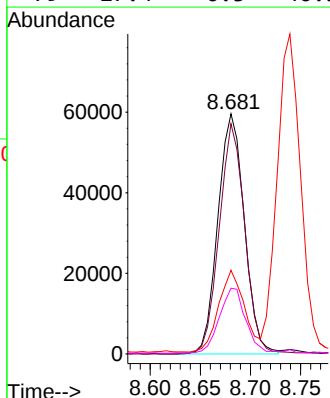
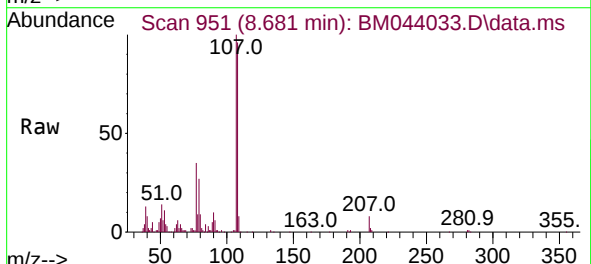
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

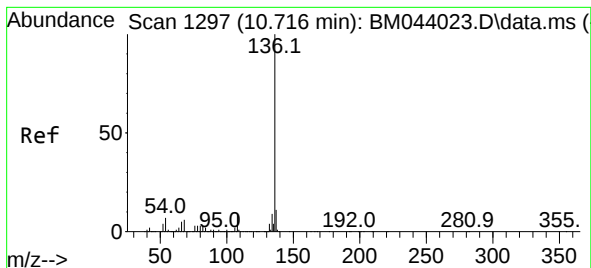
Tgt Ion:	70	Resp:	83639
Ion	Ratio	Lower	Upper
70	100		
42	55.0	42.6	64.0
101	8.0	7.8	11.6
130	21.7	16.9	25.3



#20
3+4-Methylphenols
Concen: 3.414 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:	107	Resp:	109105
Ion	Ratio	Lower	Upper
107	100		
108	95.8	71.5	111.5
77	34.9	11.8	51.8
79	27.4	6.3	46.3

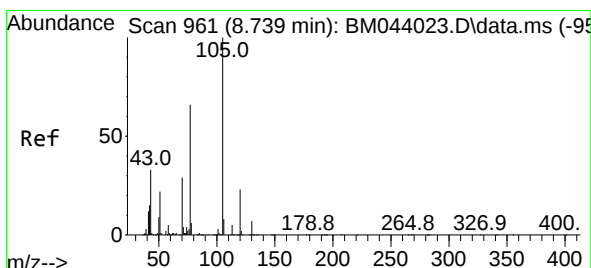
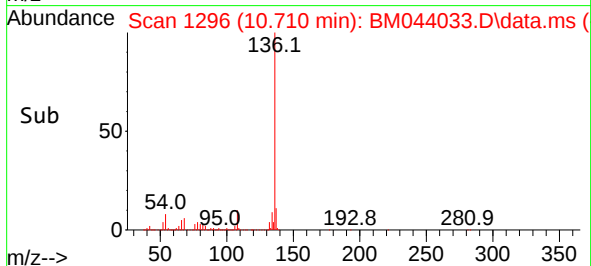
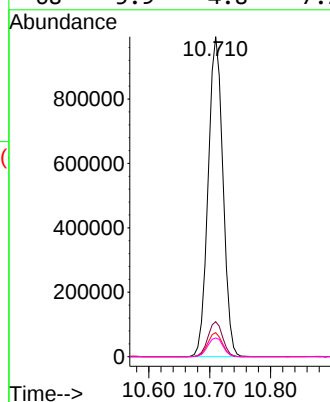
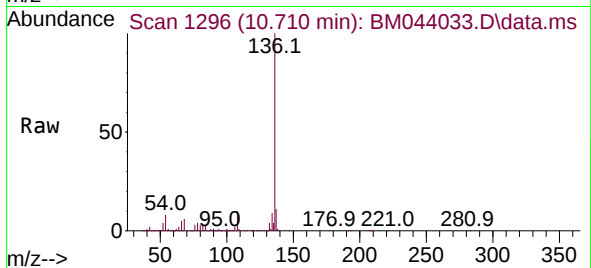




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

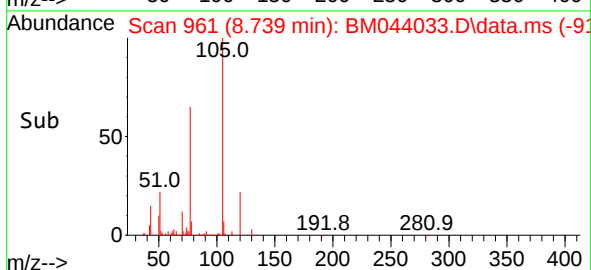
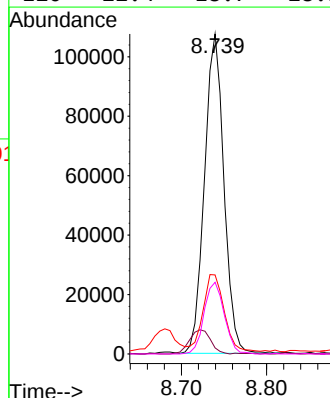
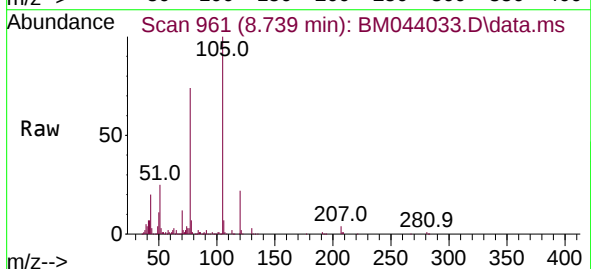
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

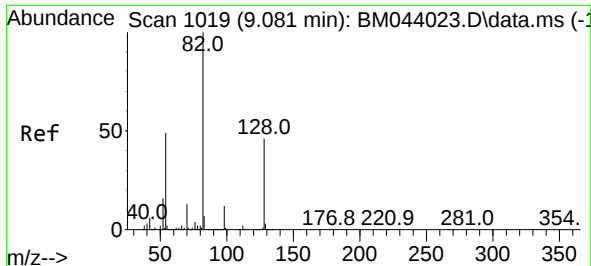
Tgt Ion:136 Resp: 1677295
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 5.9 8.9
68 5.9 4.8 7.2



#22
Acetophenone
Concen: 4.013 ng
RT: 8.739 min Scan# 961
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:105 Resp: 170832
Ion Ratio Lower Upper
105 100
71 1.9 4.0 6.0#
51 24.7 20.1 30.1
120 22.4 18.7 28.1

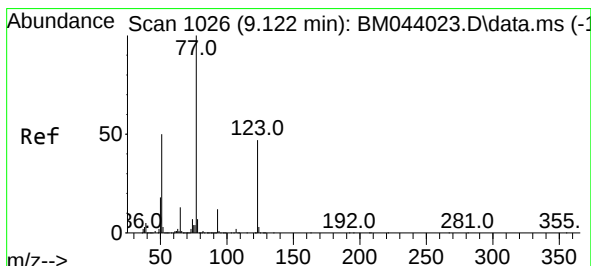
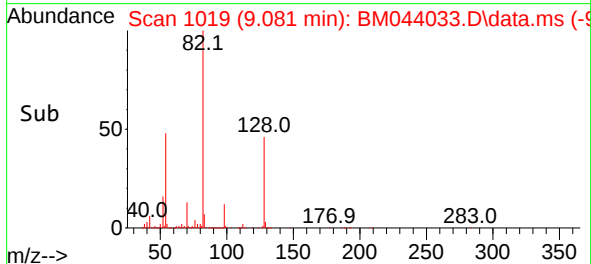
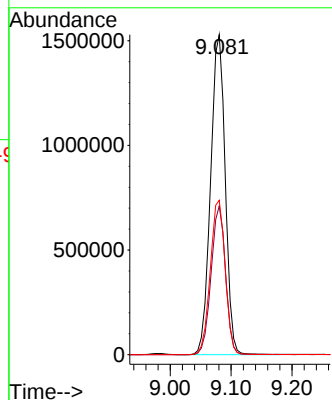
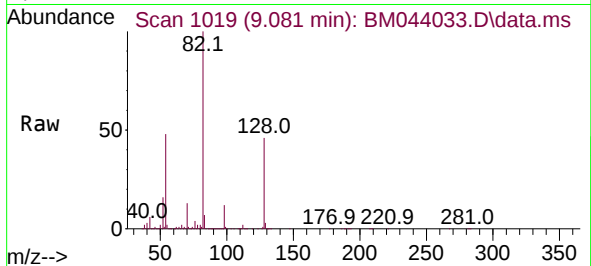




#23
Nitrobenzene-d5
Concen: 80.554 ng
RT: 9.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

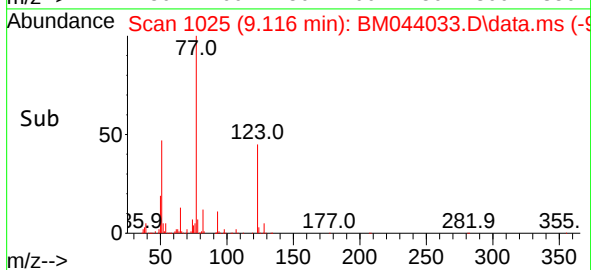
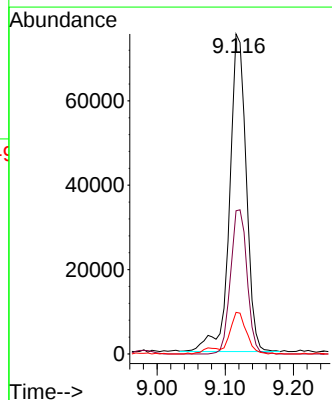
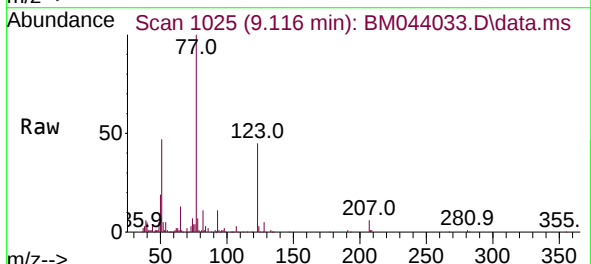
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

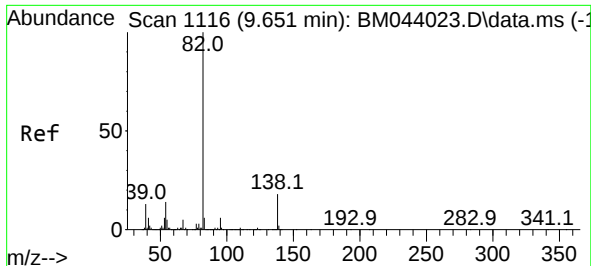
Tgt Ion: 82 Resp: 2546248
Ion Ratio Lower Upper
82 100
128 46.5 37.1 55.7
54 48.3 38.9 58.3



#24
Nitrobenzene
Concen: 3.959 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion: 77 Resp: 128137
Ion Ratio Lower Upper
77 100
123 44.7 37.8 56.8
65 13.0 10.5 15.7

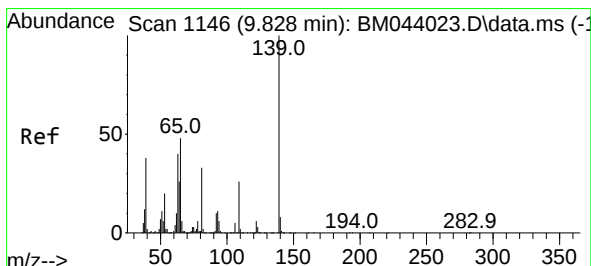
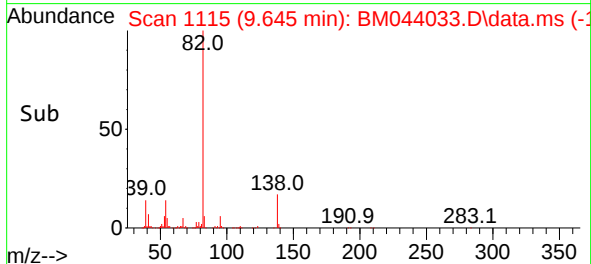
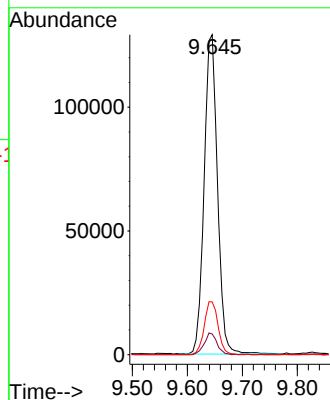
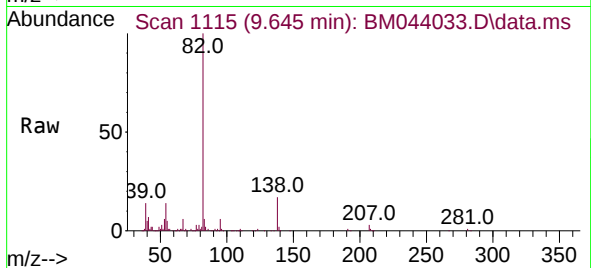




#25
Isophorone
Concen: 3.576 ng
RT: 9.645 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

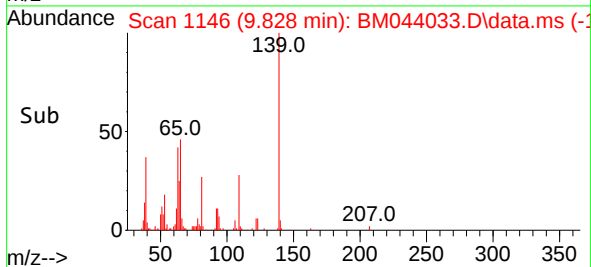
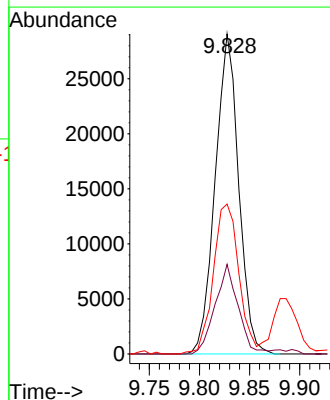
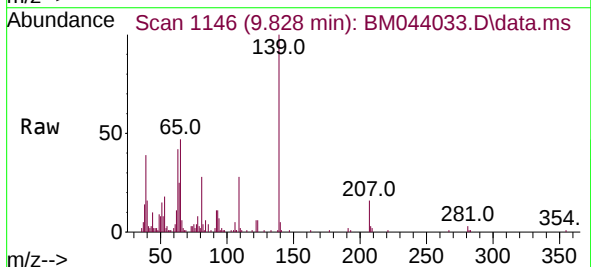
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

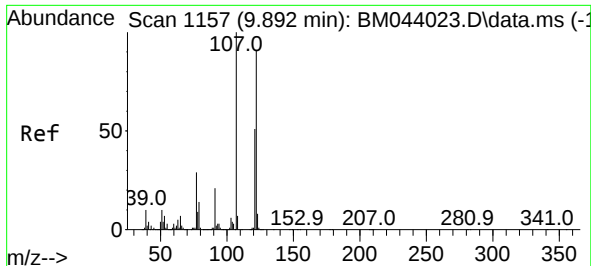
Tgt Ion: 82 Resp: 217627
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 16.5 14.3 21.5



#26
2-Nitrophenol
Concen: 3.149 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:139 Resp: 47260
Ion Ratio Lower Upper
139 100
109 28.0 21.2 31.8
65 46.8 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 4.037 ng

RT: 9.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

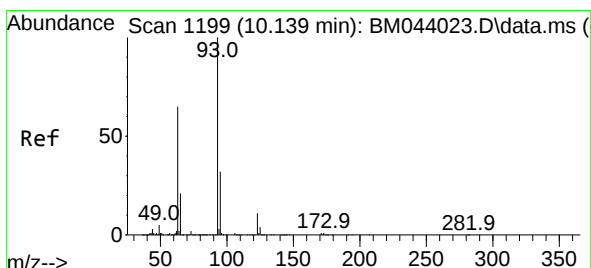
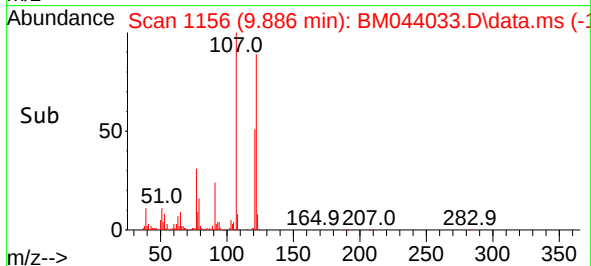
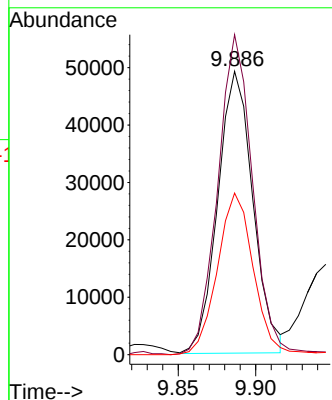
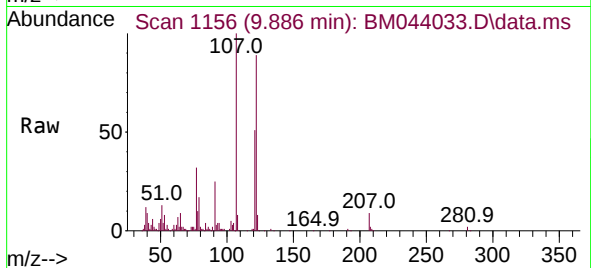
Tgt Ion:122 Resp: 77472

Ion Ratio Lower Upper

122 100

107 112.9 87.8 131.8

121 57.1 44.7 67.1



#28

bis(2-Chloroethoxy)methane

Concen: 3.798 ng

RT: 10.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

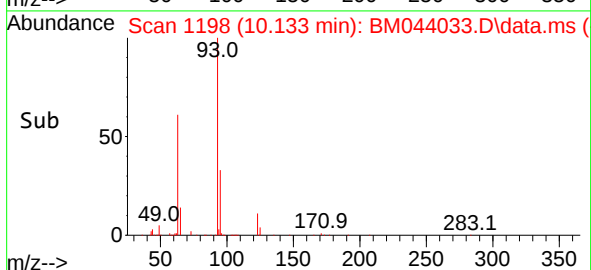
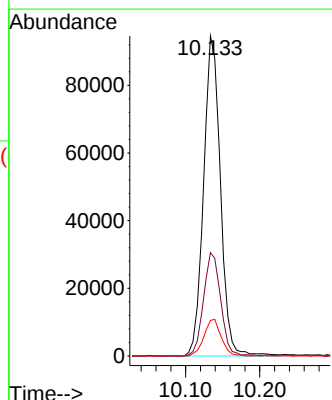
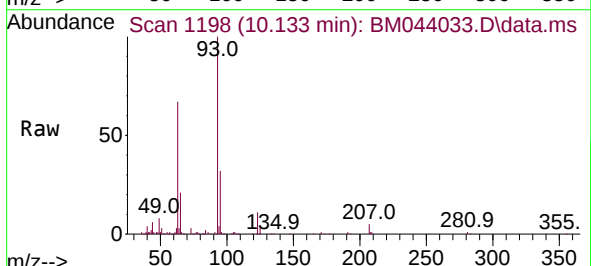
Tgt Ion: 93 Resp: 149490

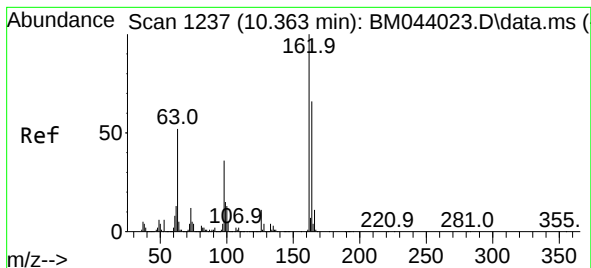
Ion Ratio Lower Upper

93 100

95 32.3 26.0 39.0

123 11.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.375 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

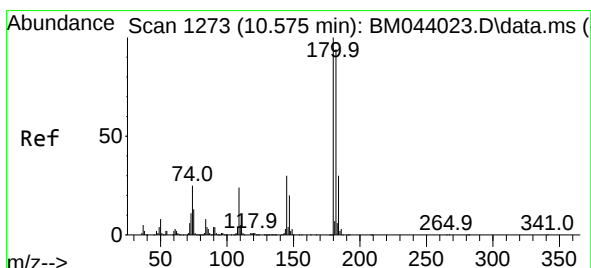
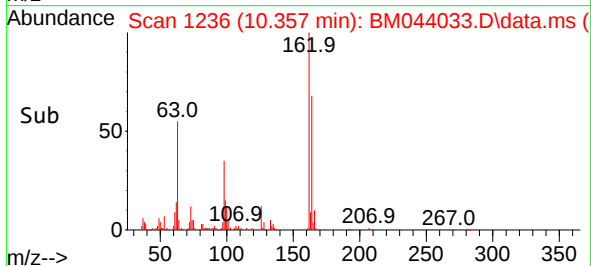
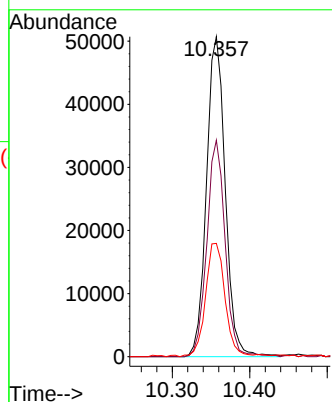
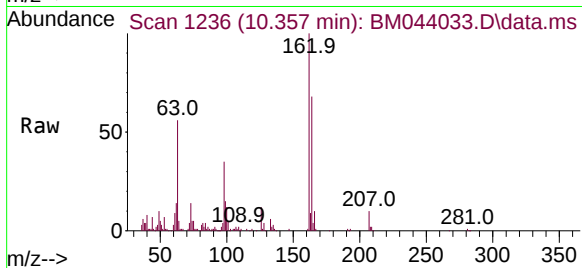
Tgt Ion:162 Resp: 85255

Ion Ratio Lower Upper

162 100

164 67.6 46.1 86.1

98 35.4 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 3.744 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

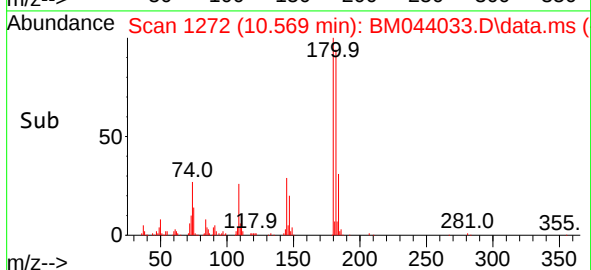
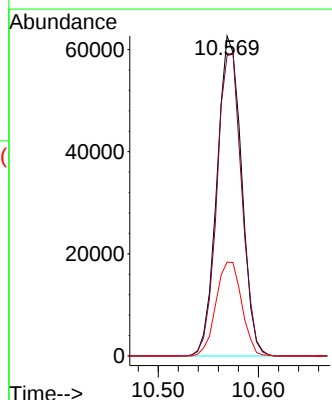
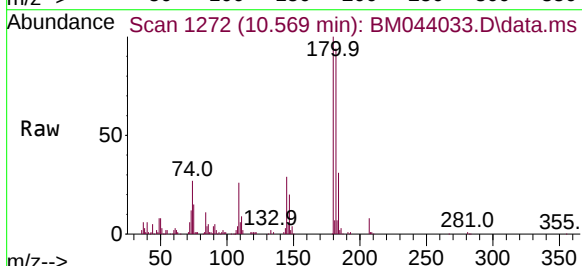
Tgt Ion:180 Resp: 106374

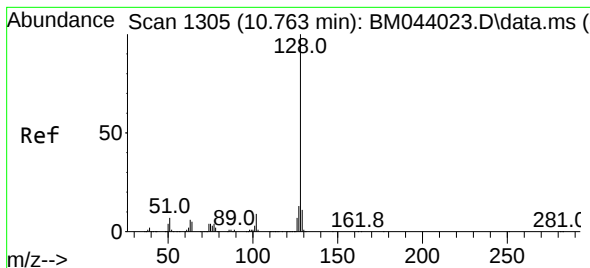
Ion Ratio Lower Upper

180 100

182 93.8 75.2 112.8

145 29.3 24.3 36.5

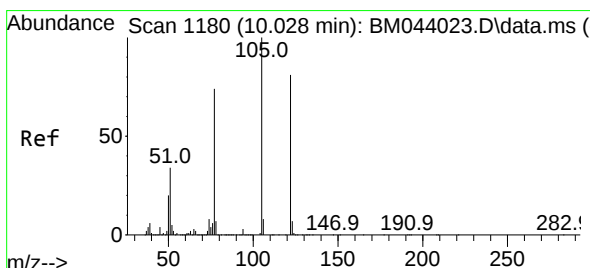
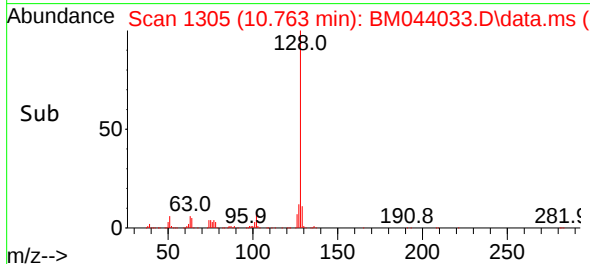
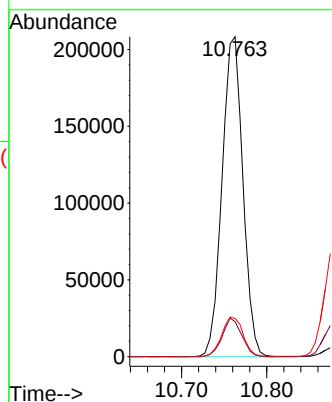
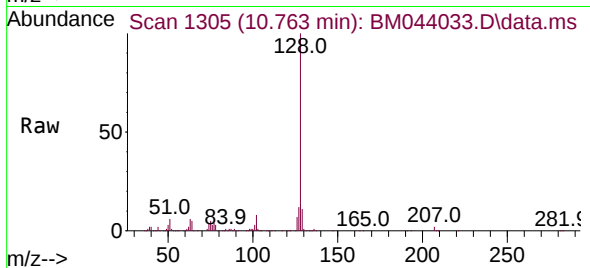




#31
Naphthalene
Concen: 3.831 ng
RT: 10.763 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

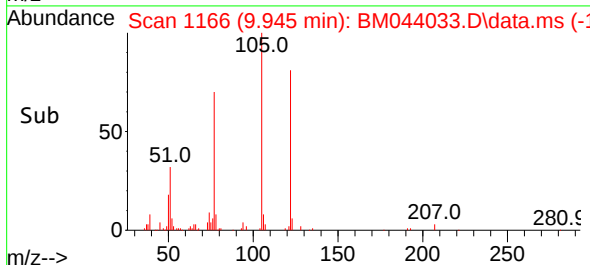
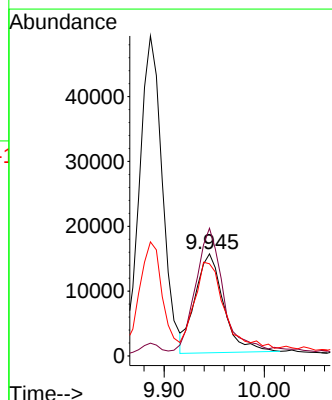
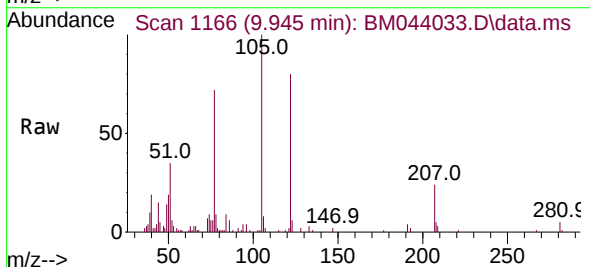
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

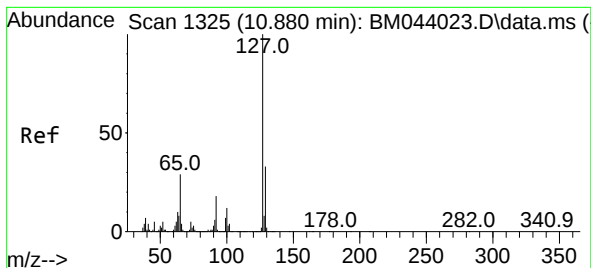
Tgt Ion:128 Resp: 354617
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.0 10.3 15.5



#32
Benzoic acid
Concen: 1.560 ng
RT: 9.945 min Scan# 1166
Delta R.T. -0.083 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:122 Resp: 30162
Ion Ratio Lower Upper
122 100
105 125.0 100.1 140.1
77 90.3 69.6 109.6

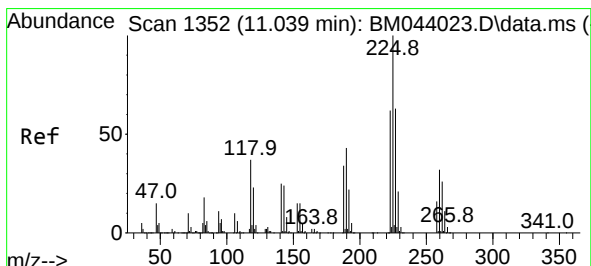
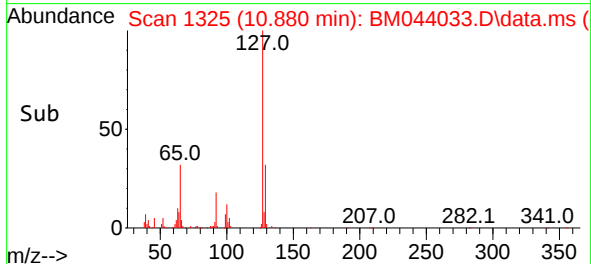
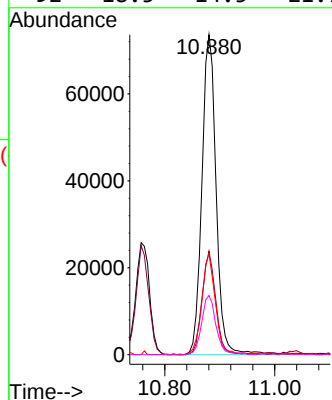
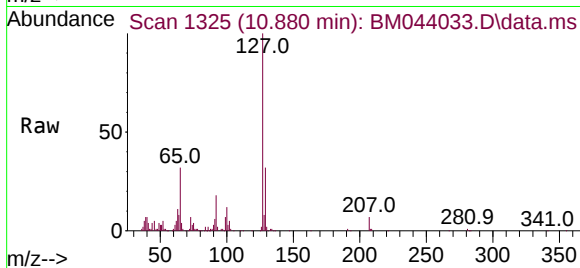




#33
4-Chloroaniline
Concen: 3.782 ng
RT: 10.880 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

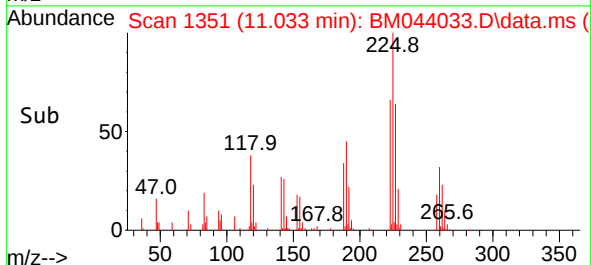
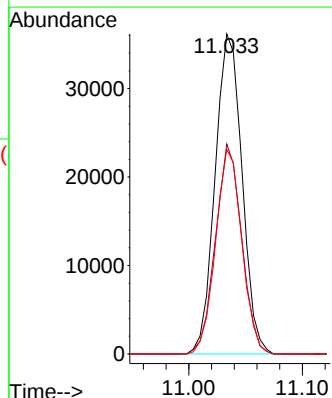
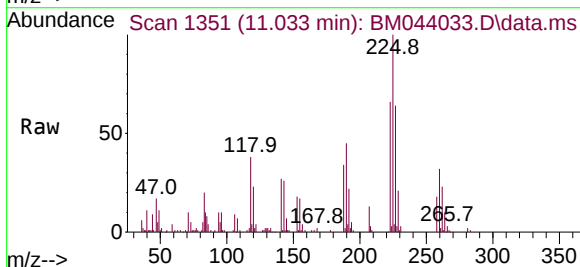
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

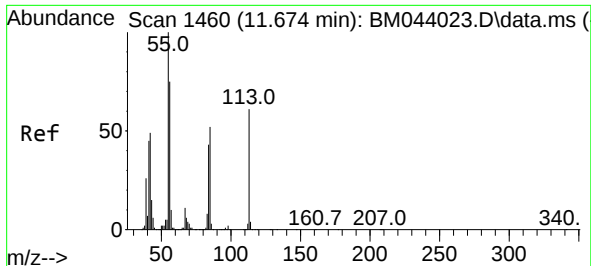
Tgt Ion:	127	Resp:	132568
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	31.6	23.0	34.6
92	18.5	14.5	21.7



#34
Hexachlorobutadiene
Concen: 3.660 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:	225	Resp:	59522
Ion	Ratio	Lower	Upper
225	100		
223	65.6	49.9	74.9
227	64.0	50.6	76.0

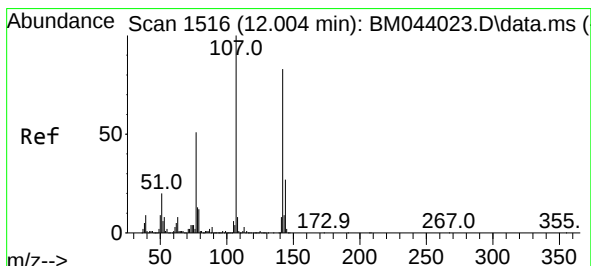
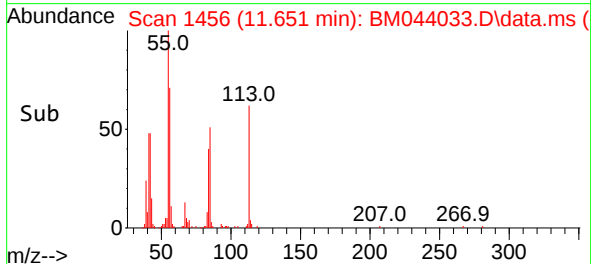
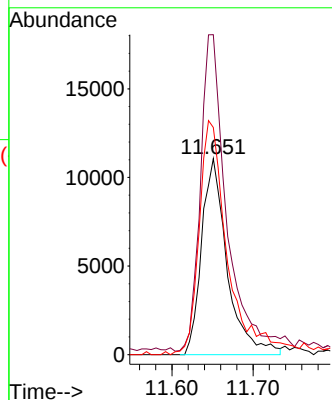
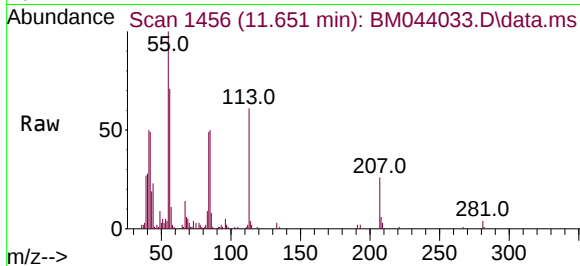




#35
 Caprolactam
 Concen: 2.983 ng
 RT: 11.651 min Scan# 1456
 Delta R.T. -0.024 min
 Lab File: BM044033.D
 Acq: 09 Feb 2024 11:17

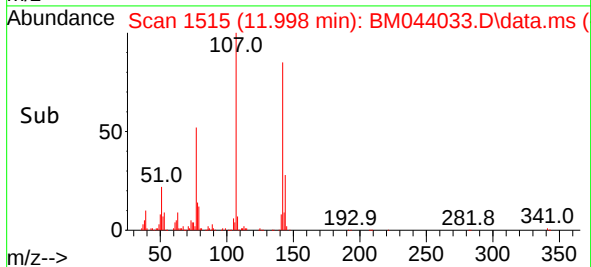
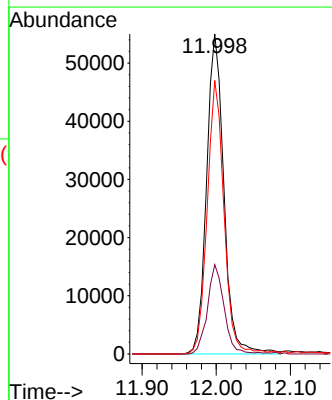
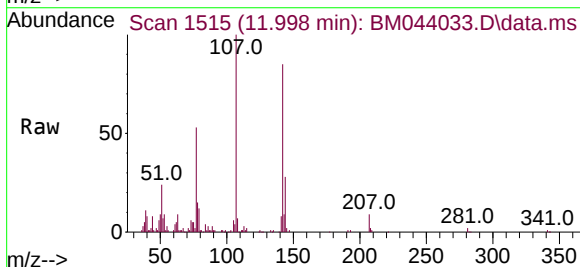
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

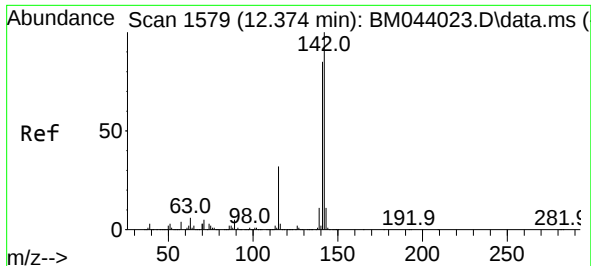
Tgt Ion:113 Resp: 24253
 Ion Ratio Lower Upper
 113 100
 55 163.2 145.6 185.6
 56 115.9 103.3 143.3



#36
 4-Chloro-3-methylphenol
 Concen: 3.261 ng
 RT: 11.998 min Scan# 1515
 Delta R.T. -0.006 min
 Lab File: BM044033.D
 Acq: 09 Feb 2024 11:17

Tgt Ion:107 Resp: 89208
 Ion Ratio Lower Upper
 107 100
 144 27.9 21.3 31.9
 142 85.4 66.2 99.4

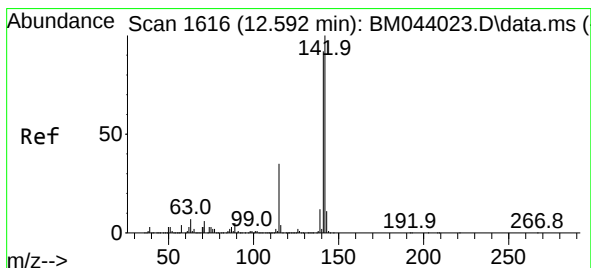
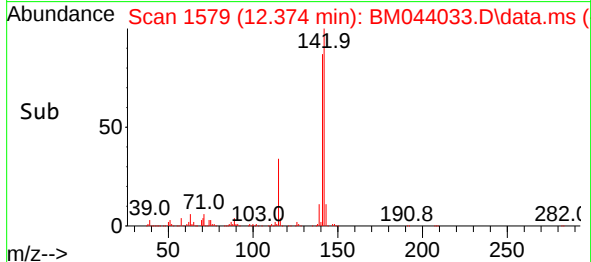
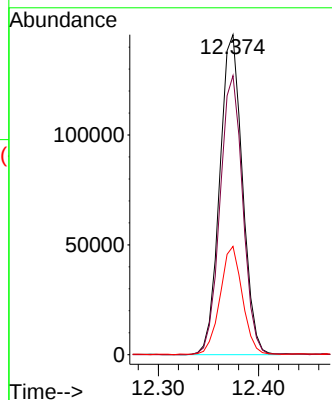
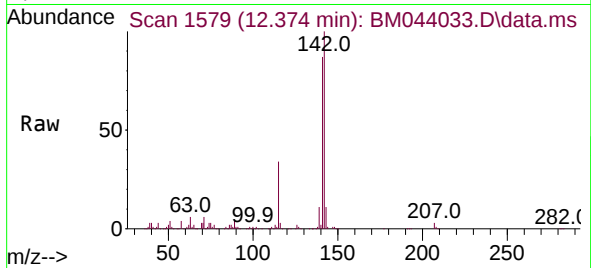




#37
2-Methylnaphthalene
Concen: 3.711 ng
RT: 12.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

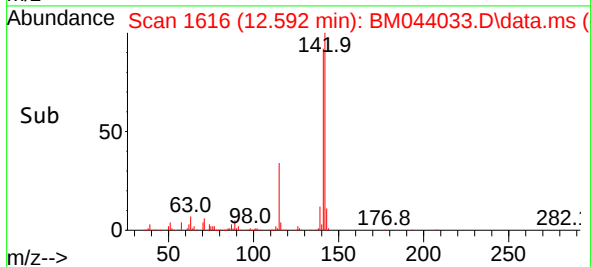
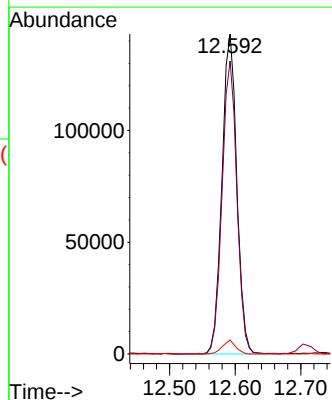
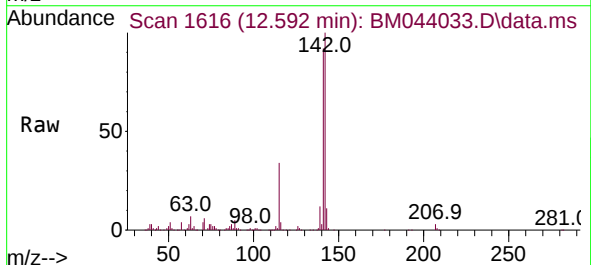
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

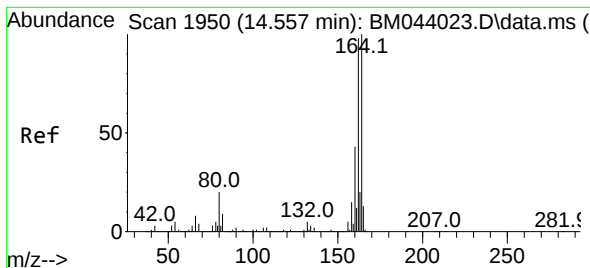
Tgt Ion:142 Resp: 228849
Ion Ratio Lower Upper
142 100
141 87.2 68.3 102.5
115 33.9 25.7 38.5



#38
1-Methylnaphthalene
Concen: 3.705 ng
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:142 Resp: 224498
Ion Ratio Lower Upper
142 100
141 91.6 73.4 110.0
116 4.4 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: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

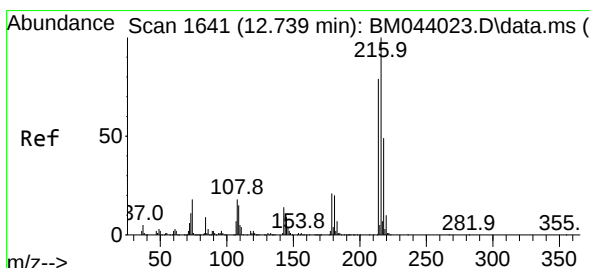
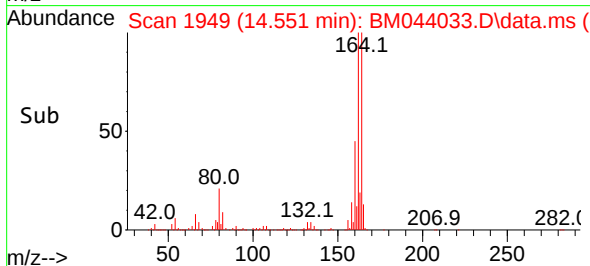
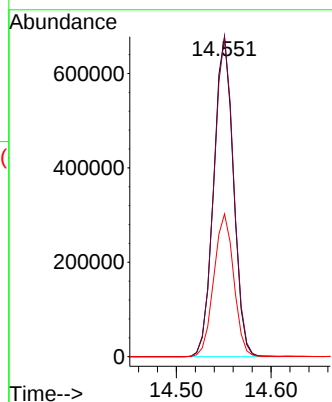
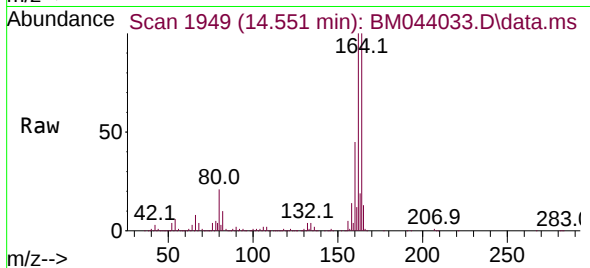
Tgt Ion:164 Resp: 978241

Ion Ratio Lower Upper

164 100

162 100.0 78.4 117.6

160 44.6 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.892 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Tgt Ion:216 Resp: 110663

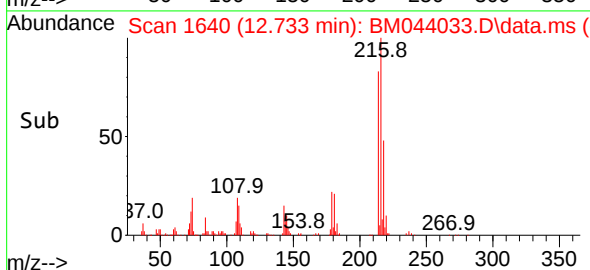
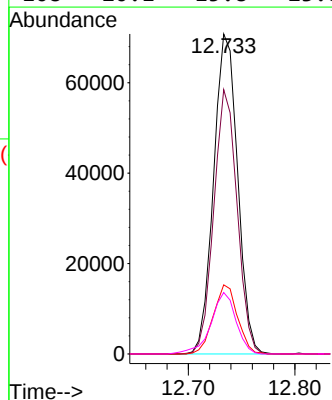
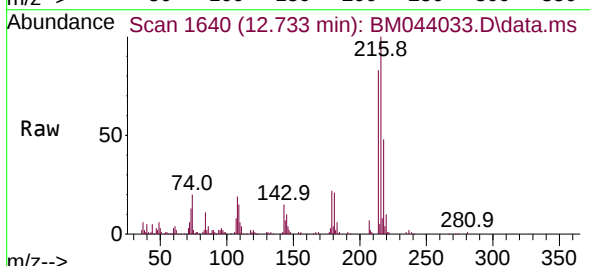
Ion Ratio Lower Upper

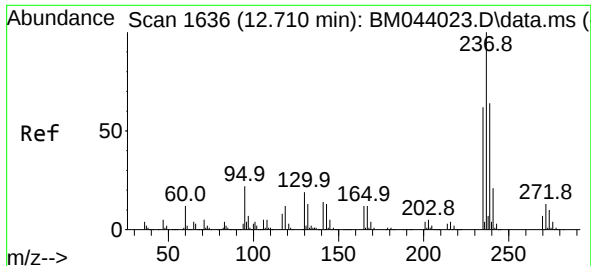
216 100

214 80.0 63.1 94.7

179 21.8 17.0 25.6

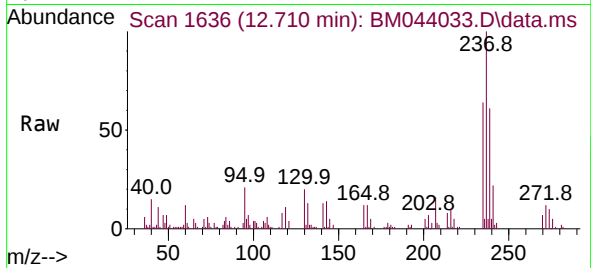
108 20.1 15.8 23.8



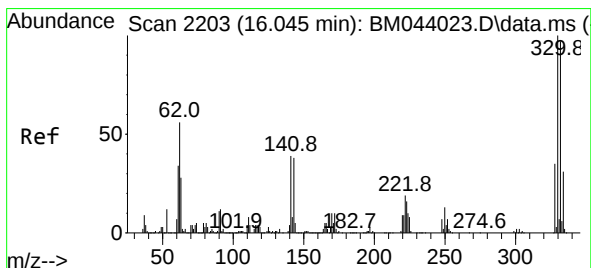
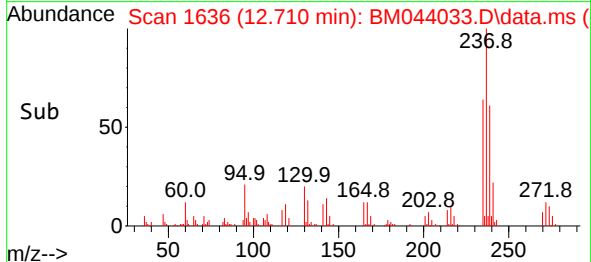
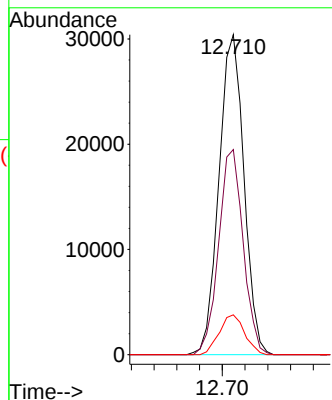


#41
Hexachlorocyclopentadiene
Concen: 3.742 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

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

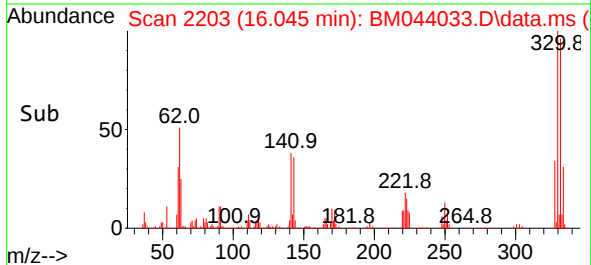
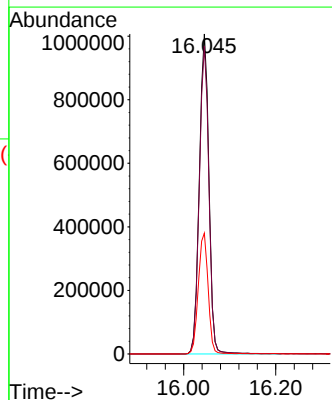
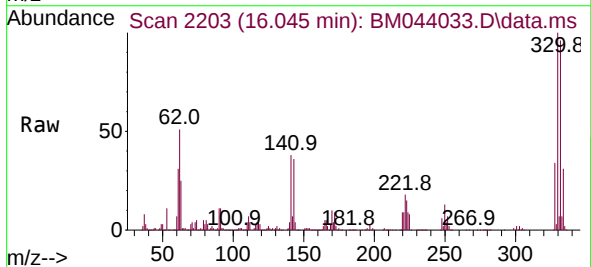


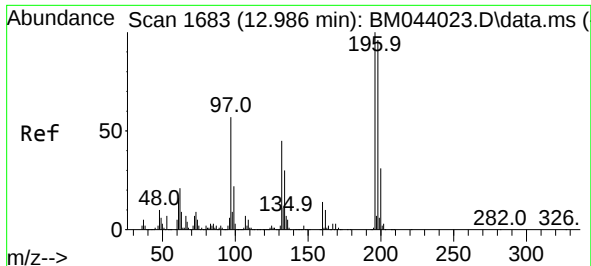
Tgt Ion:237 Resp: 46430
Ion Ratio Lower Upper
237 100
235 64.1 42.4 82.4
272 12.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 137.603 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:330 Resp: 1457448
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 38.4 31.0 46.4

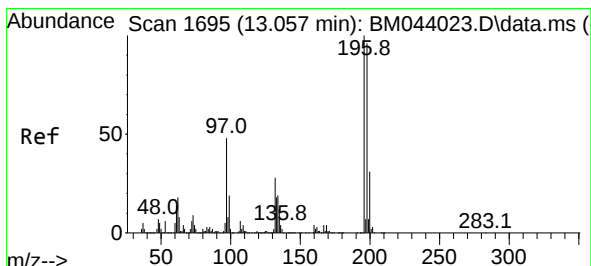
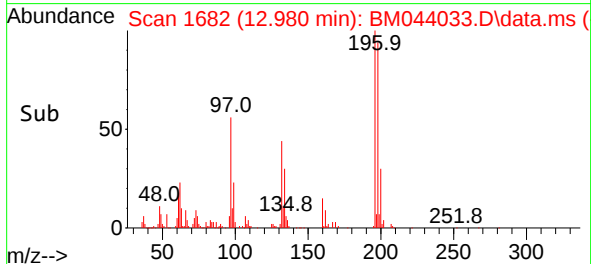
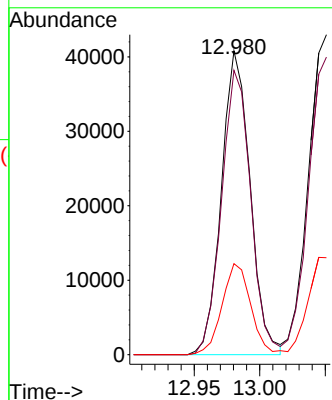
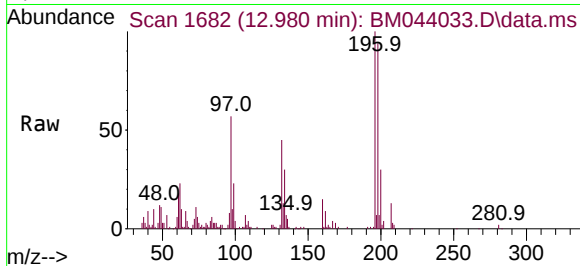




#43
2,4,6-Trichlorophenol
Concen: 3.215 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

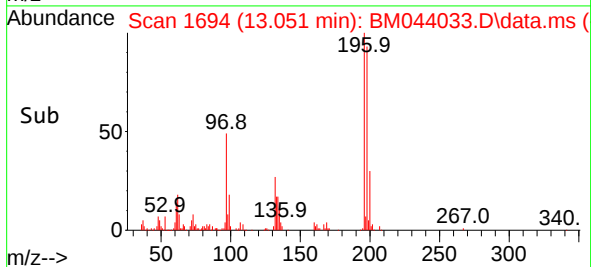
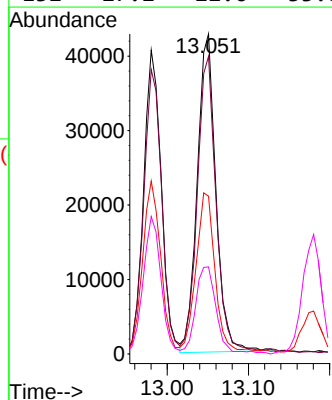
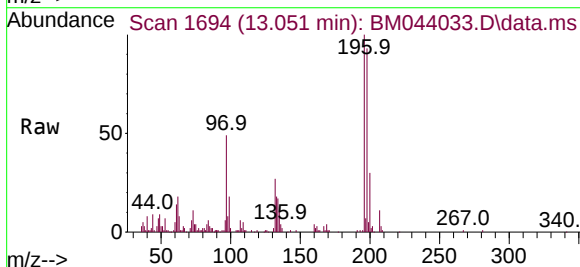
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

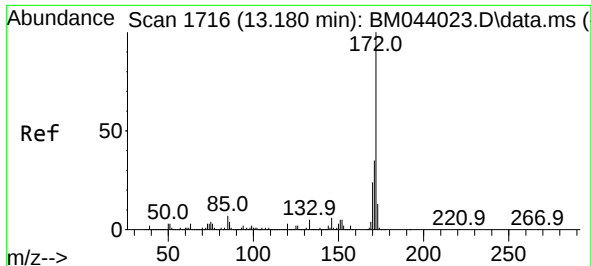
Tgt Ion:196 Resp: 62219
Ion Ratio Lower Upper
196 100
198 93.5 76.8 115.2
200 29.9 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 3.220 ng
RT: 13.051 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:196 Resp: 68387
Ion Ratio Lower Upper
196 100
198 93.0 76.9 115.3
97 49.3 39.0 58.4
132 27.2 22.6 33.8

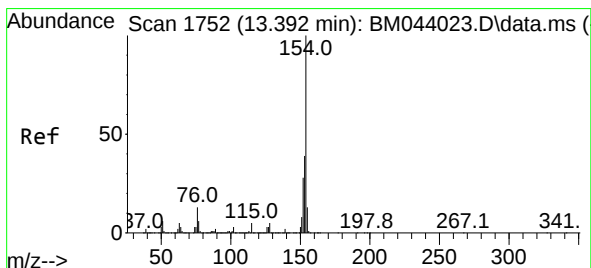
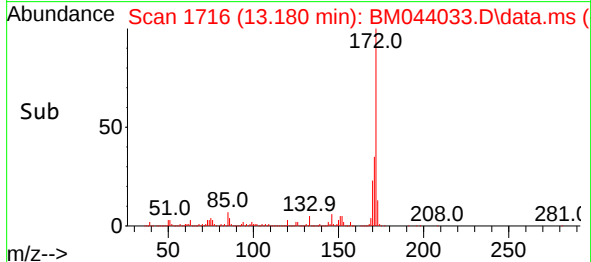
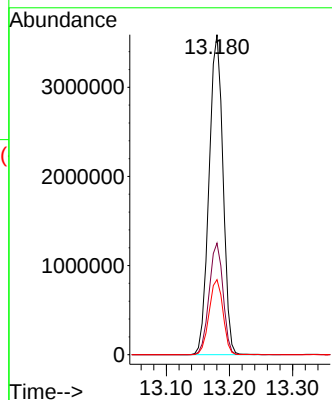
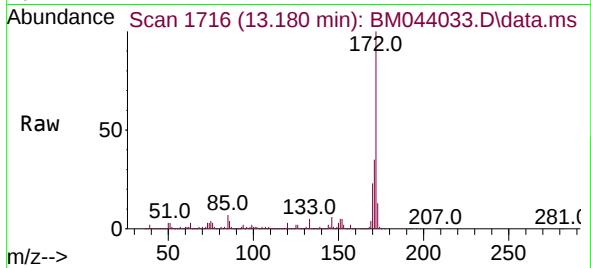




#45
2-Fluorobiphenyl
Concen: 79.243 ng
RT: 13.180 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

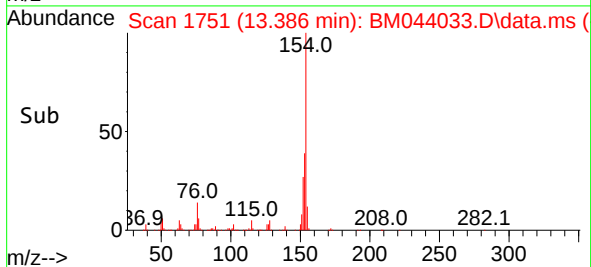
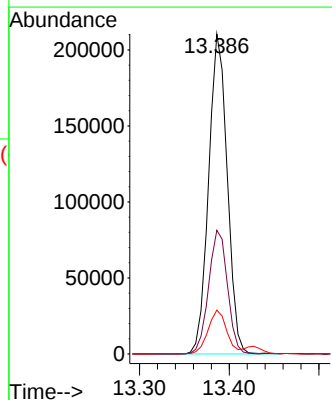
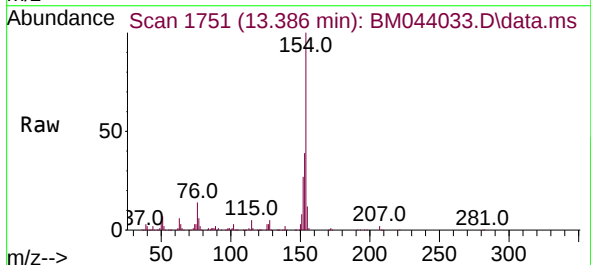
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

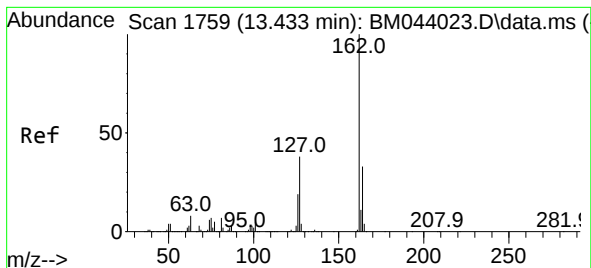
Tgt Ion:172 Resp: 5492620
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.5 19.0 28.4



#46
1,1'-Biphenyl
Concen: 3.926 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:154 Resp: 303069
Ion Ratio Lower Upper
154 100
153 38.7 19.4 59.4
76 13.7 0.0 32.9





#47

2-Chloronaphthalene

Concen: 3.760 ng

RT: 13.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044033.D

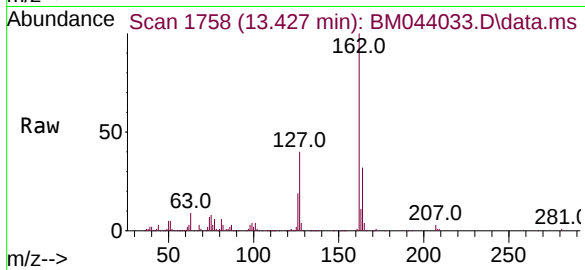
Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



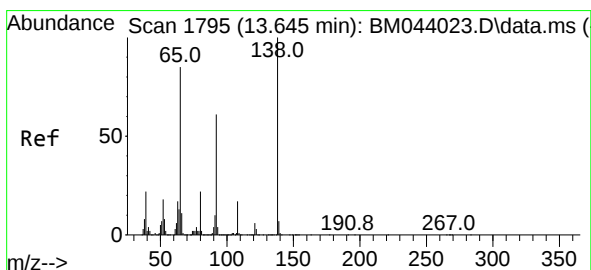
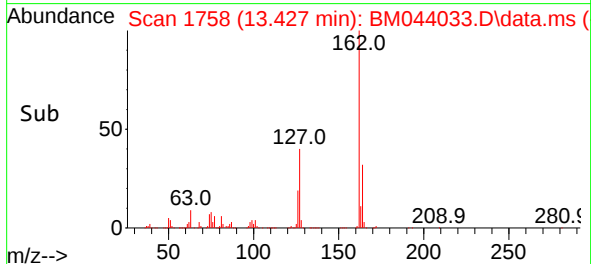
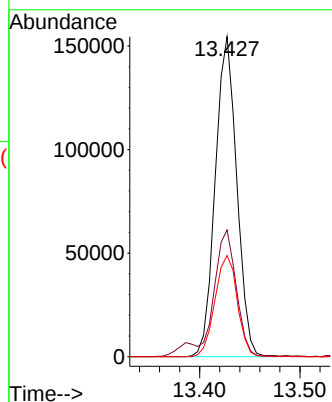
Tgt Ion:162 Resp: 229926

Ion Ratio Lower Upper

162 100

127 39.6 30.9 46.3

164 31.6 26.4 39.6



#48

2-Nitroaniline

Concen: 3.156 ng

RT: 13.639 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

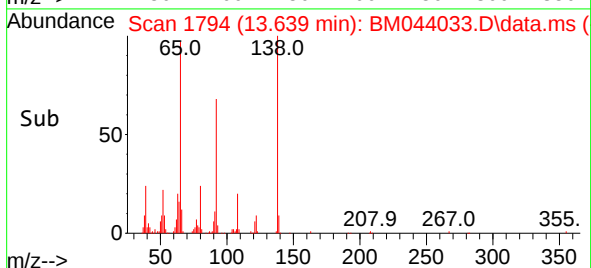
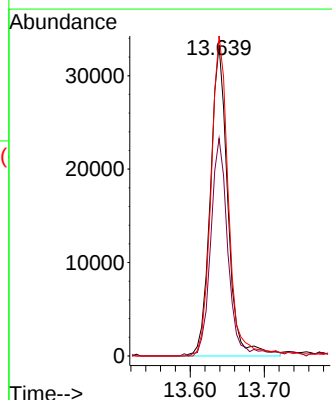
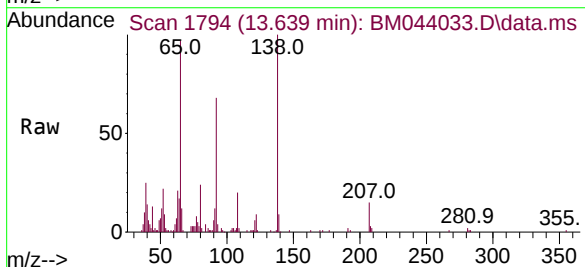
Tgt Ion: 65 Resp: 54291

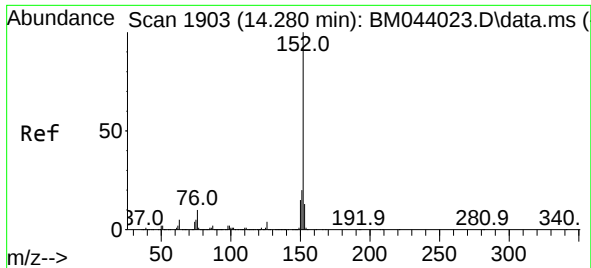
Ion Ratio Lower Upper

65 100

92 69.9 58.1 87.1

138 102.9 94.6 142.0

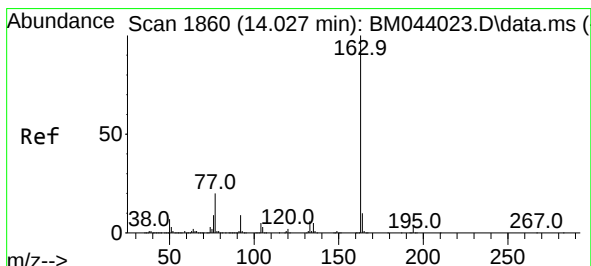
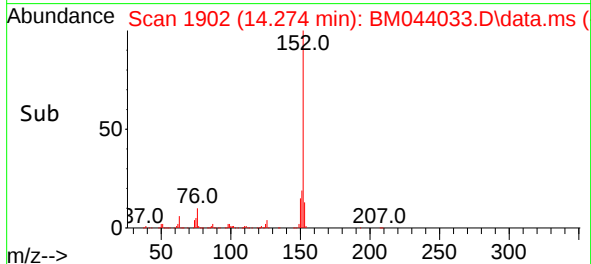
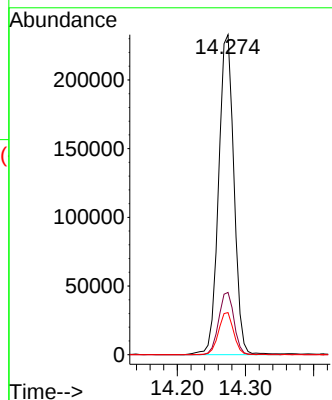
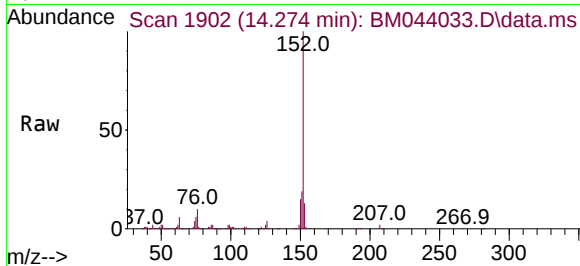




#49
Acenaphthylene
Concen: 3.997 ng
RT: 14.274 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

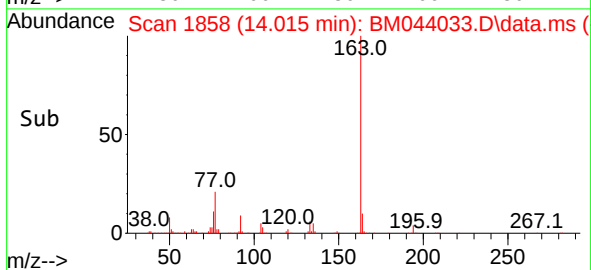
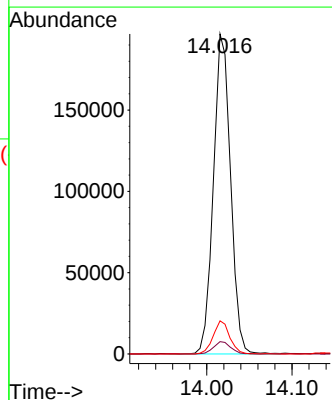
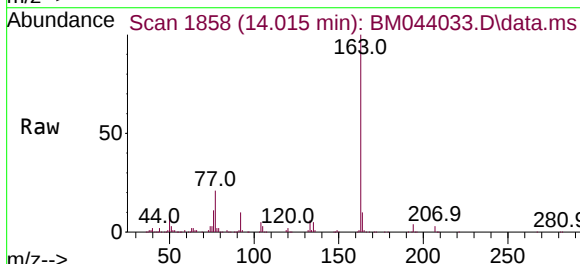
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

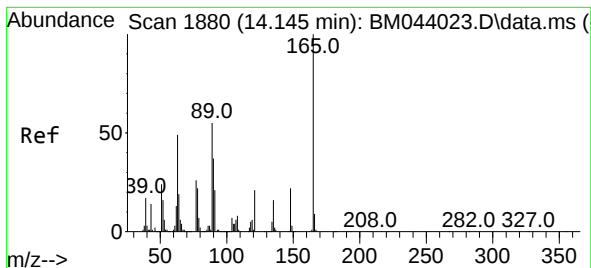
Tgt Ion:152 Resp: 364625
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.2 10.5 15.7



#50
Dimethylphthalate
Concen: 3.794 ng
RT: 14.015 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:163 Resp: 275171
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.4 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 3.127 ng

RT: 14.139 min Scan# 1880

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

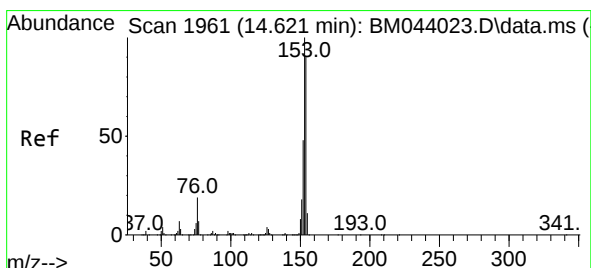
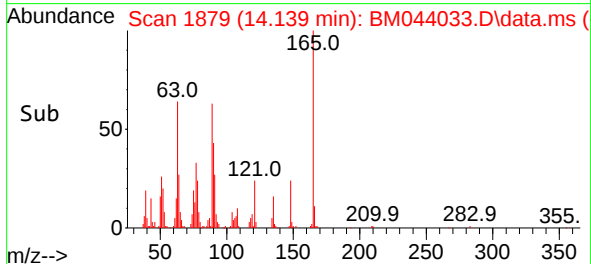
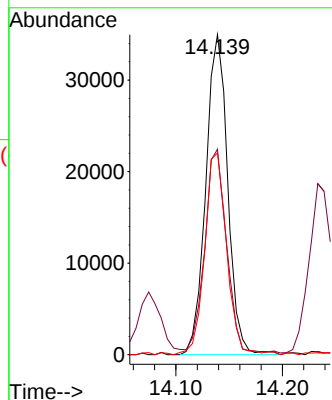
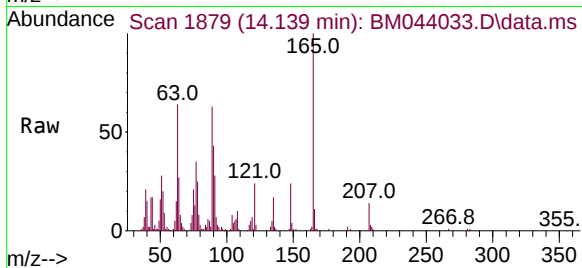
Tgt Ion:165 Resp: 50043

Ion Ratio Lower Upper

165 100

63 64.2 43.5 65.3

89 63.1 44.4 66.6



#52

Acenaphthene

Concen: 3.812 ng

RT: 14.615 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

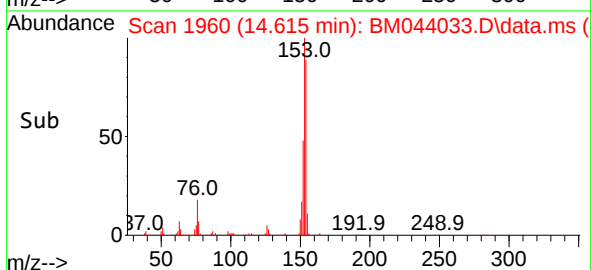
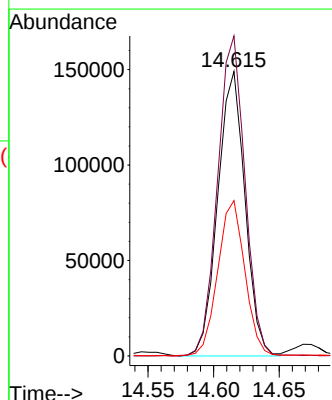
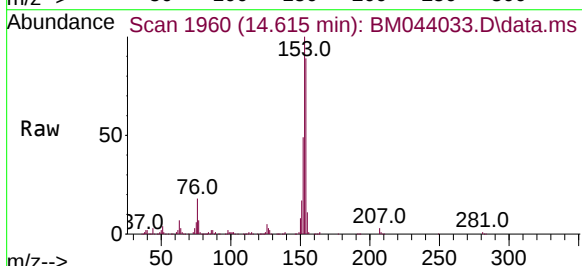
Tgt Ion:154 Resp: 215213

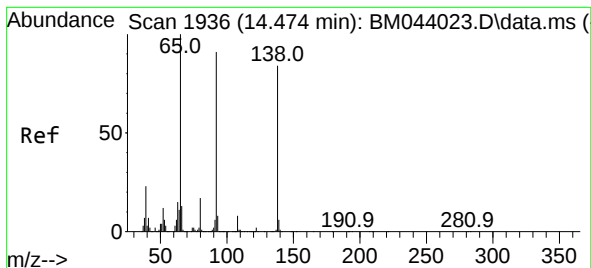
Ion Ratio Lower Upper

154 100

153 112.5 89.3 133.9

152 54.6 43.0 64.6

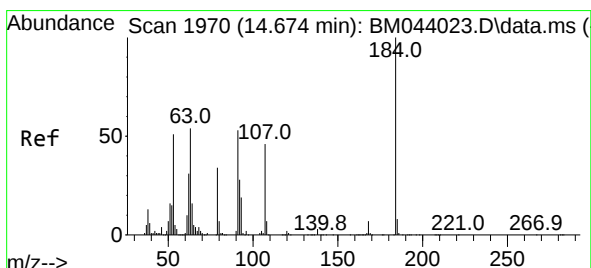
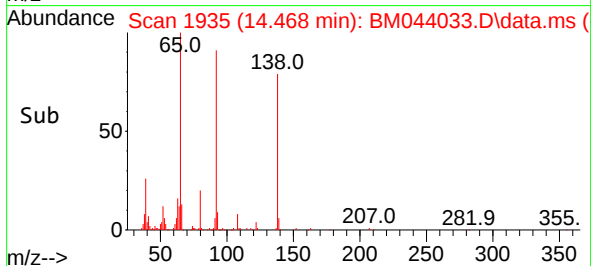
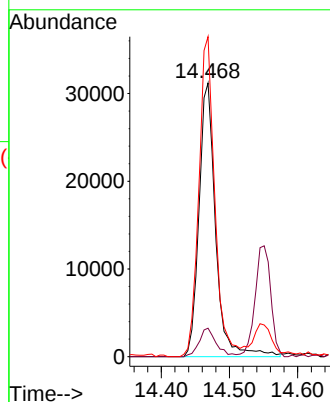
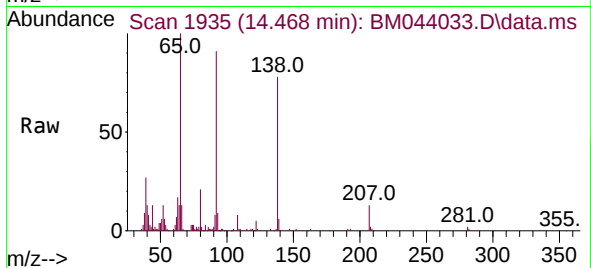




#53
3-Nitroaniline
Concen: 3.067 ng
RT: 14.468 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

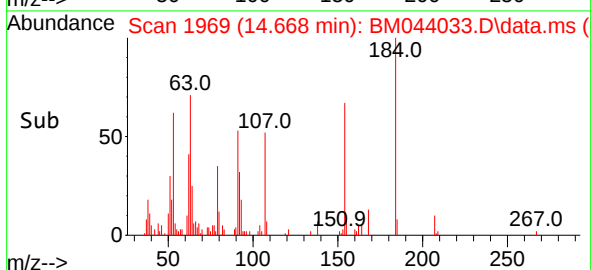
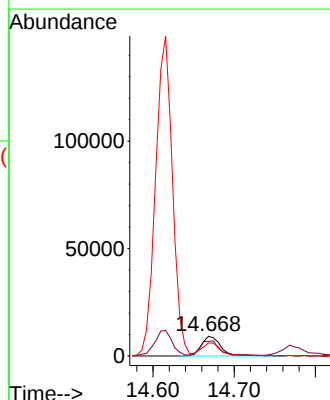
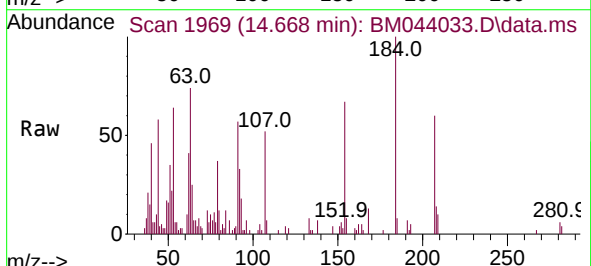
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

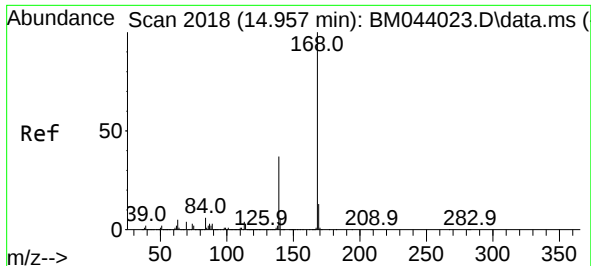
Tgt Ion:138 Resp: 52738
Ion Ratio Lower Upper
138 100
108 10.4 7.6 11.4
92 117.0 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 7.046 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:184 Resp: 15061
Ion Ratio Lower Upper
184 100
63 73.8 55.4 83.2
154 66.9 49.2 73.8

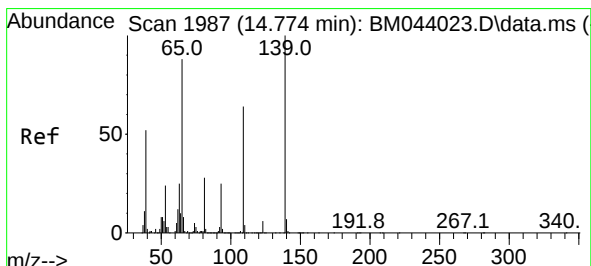
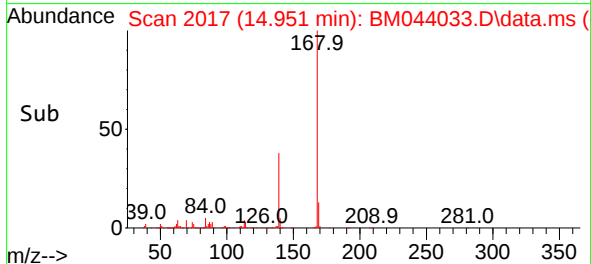
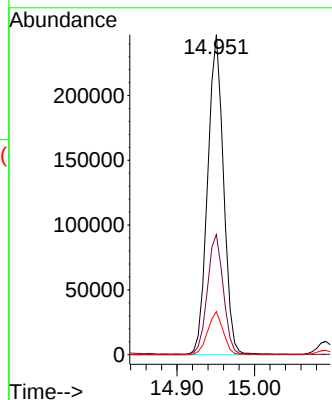
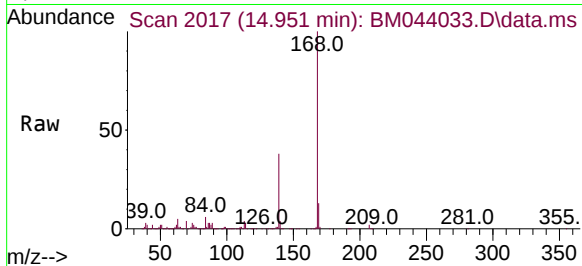




#55
Dibenzofuran
Concen: 4.017 ng
RT: 14.951 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

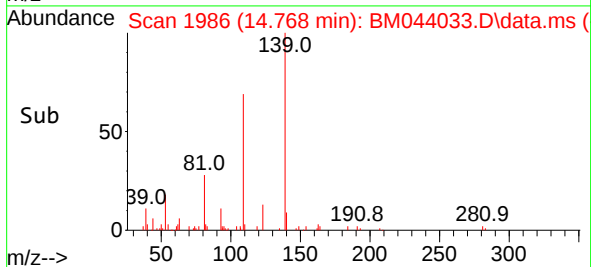
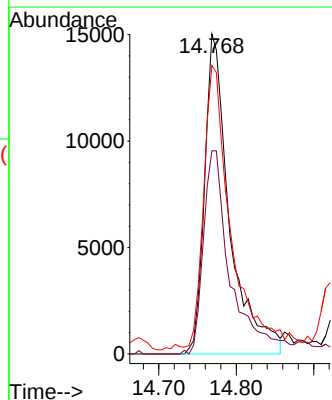
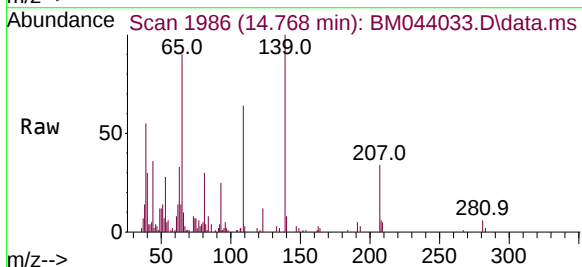
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

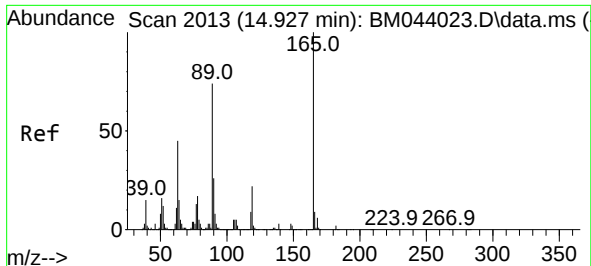
Tgt Ion:168 Resp: 351001
Ion Ratio Lower Upper
168 100
139 37.6 29.6 44.4
169 13.5 10.5 15.7



#56
4-Nitrophenol
Concen: 2.423 ng
RT: 14.768 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:139 Resp: 33867
Ion Ratio Lower Upper
139 100
109 63.5 43.8 83.8
65 90.2 67.7 107.7

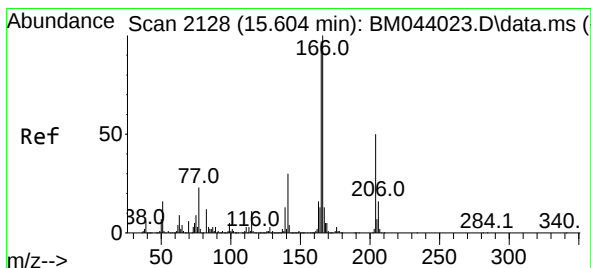
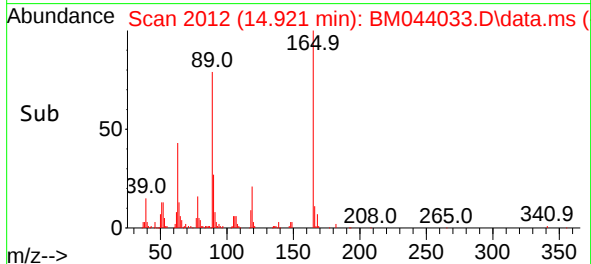
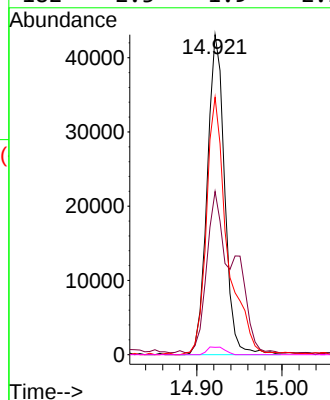
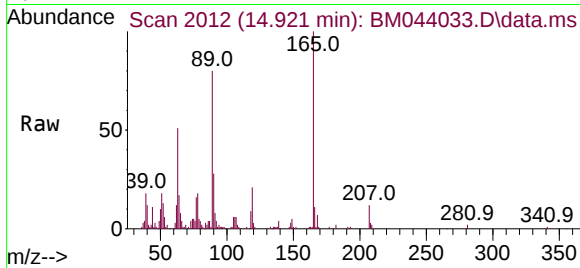




#57
2,4-Dinitrotoluene
Concen: 2.944 ng
RT: 14.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

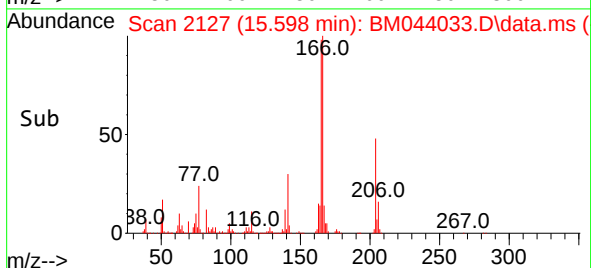
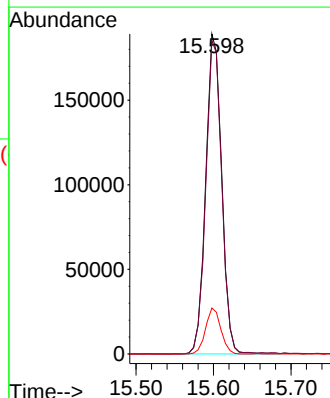
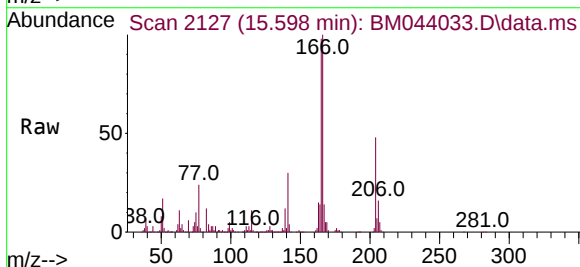
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

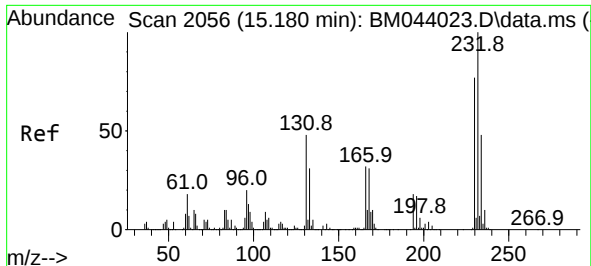
Tgt Ion:165 Resp: 61564
Ion Ratio Lower Upper
165 100
63 51.0 35.9 53.9
89 80.5 58.9 88.3
182 2.3 1.9 2.9



#58
Fluorene
Concen: 4.004 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:166 Resp: 270374
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 14.3 10.7 16.1

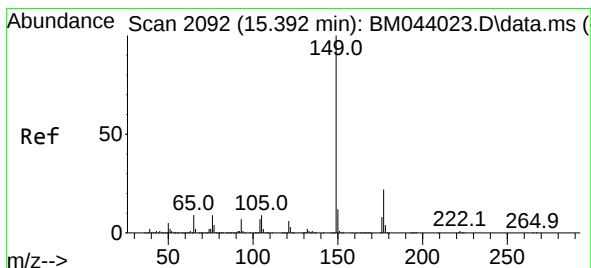
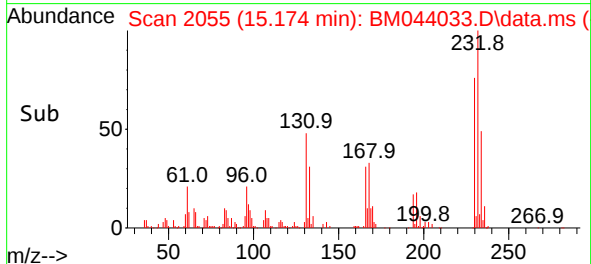
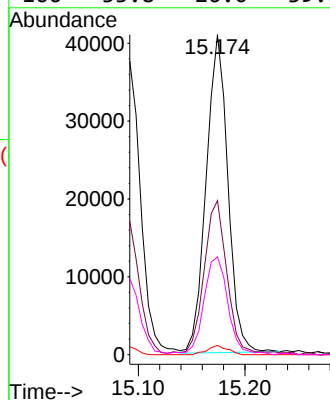
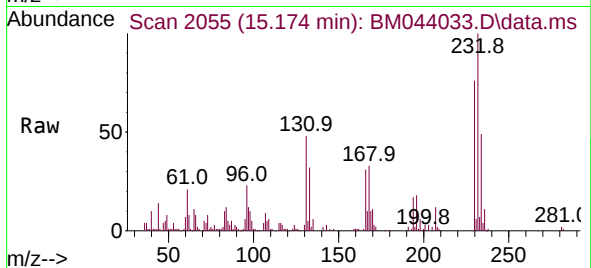




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.468 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

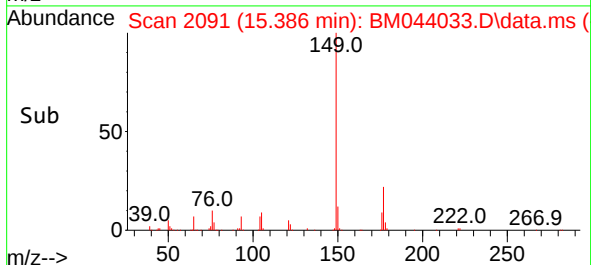
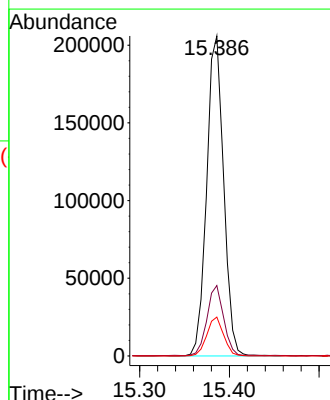
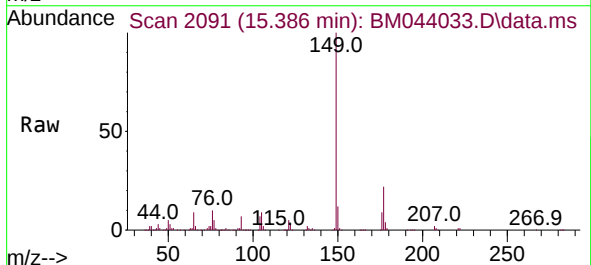
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

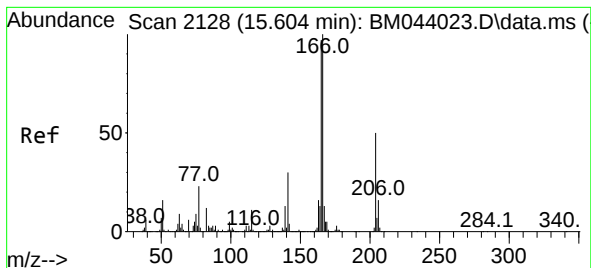
Tgt Ion:232 Resp: 57786
Ion Ratio Lower Upper
232 100
131 52.4 39.5 59.3
130 2.7 2.0 3.0
166 33.8 26.0 39.0



#60
Diethylphthalate
Concen: 3.603 ng
RT: 15.386 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:149 Resp: 270057
Ion Ratio Lower Upper
149 100
177 22.0 17.5 26.3
150 12.2 9.8 14.6

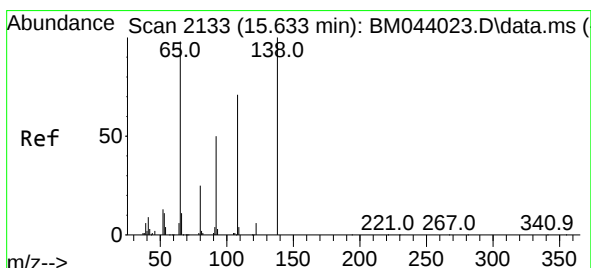
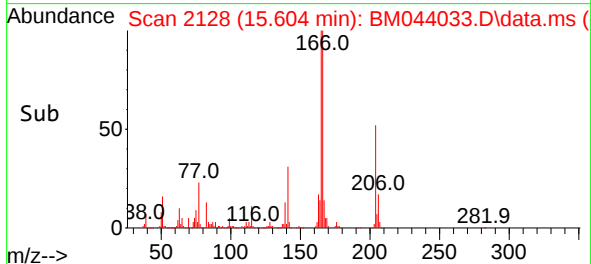
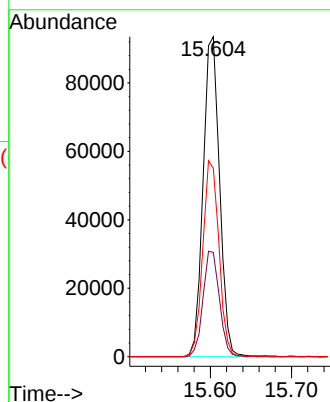
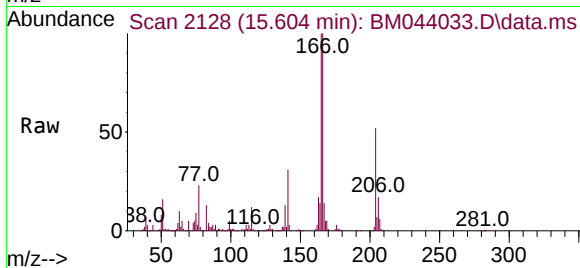




#61
4-Chlorophenyl-phenylether
Concen: 4.024 ng
RT: 15.604 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

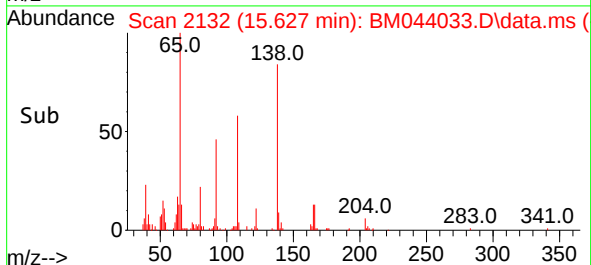
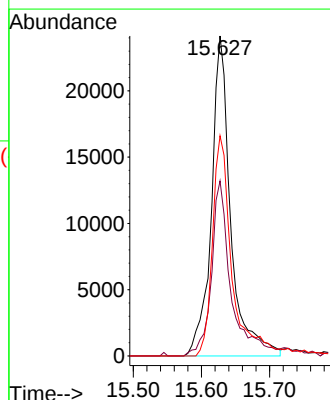
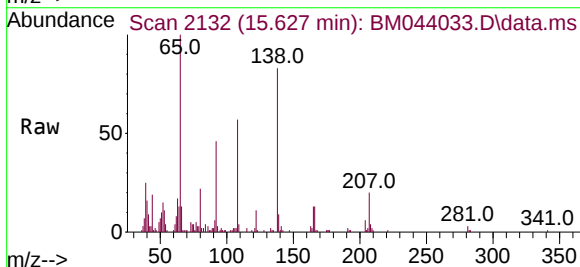
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

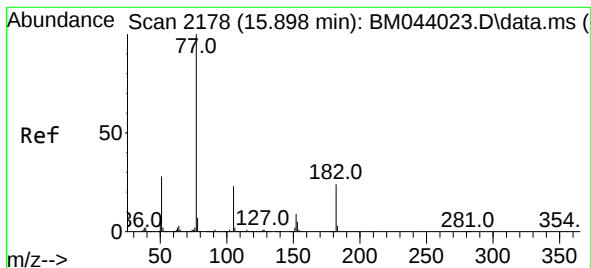
Tgt Ion:204 Resp: 131656
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 58.8 47.7 71.5



#62
4-Nitroaniline
Concen: 2.763 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:138 Resp: 47823
Ion Ratio Lower Upper
138 100
92 54.7 29.6 69.6
108 68.8 47.8 87.8





#63

Azobenzene

Concen: 3.580 ng

RT: 15.898 min Scan# 2178

Delta R.T. -0.000 min

Lab File: BM044033.D

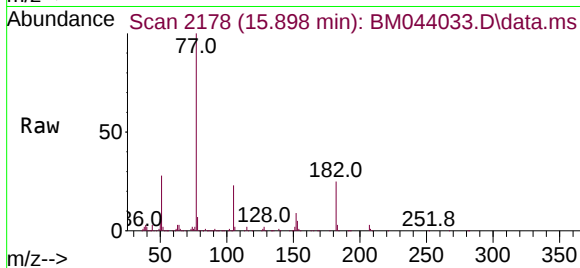
Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 77 Resp: 251737

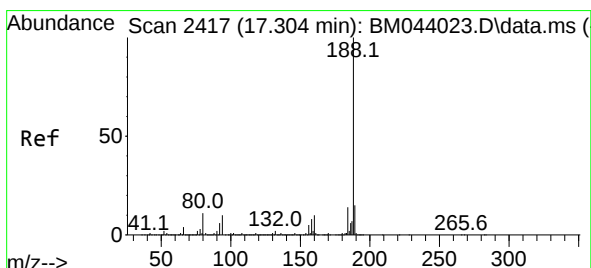
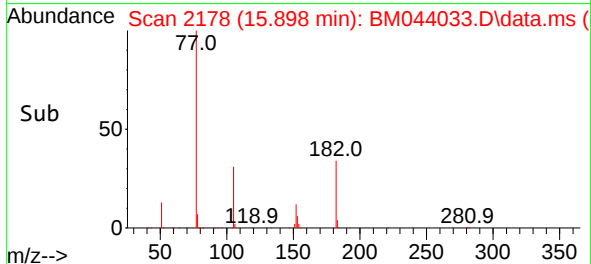
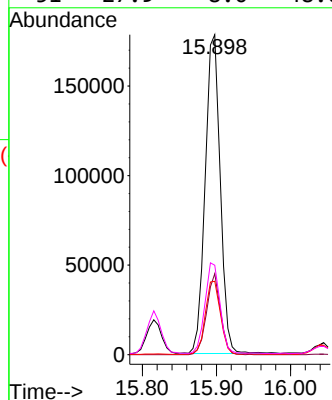
Ion Ratio Lower Upper

77 100

182 25.3 4.0 44.0

105 23.0 3.3 43.3

51 27.9 8.0 48.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

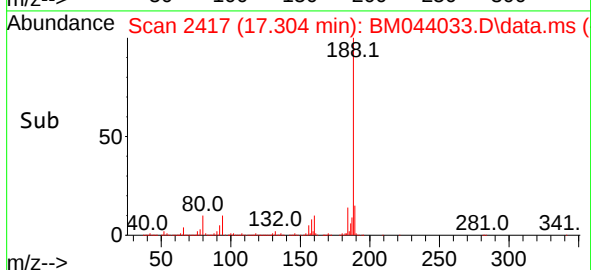
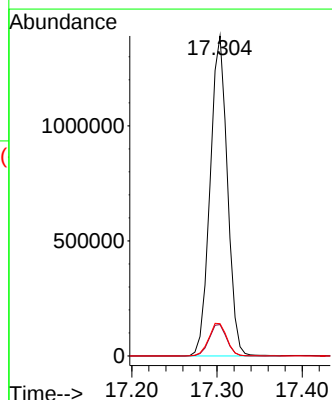
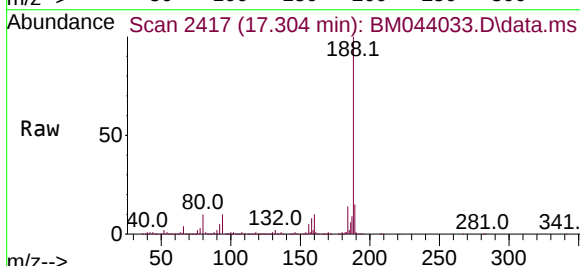
Tgt Ion:188 Resp: 1962163

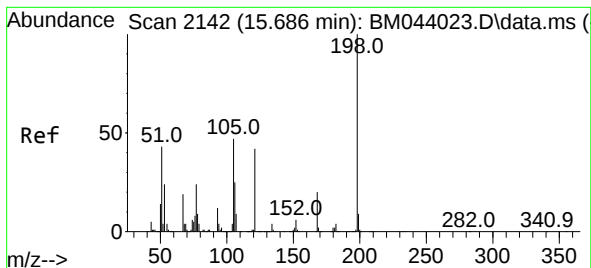
Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

80 10.1 8.8 13.2

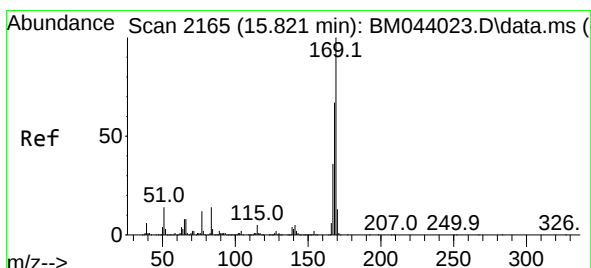
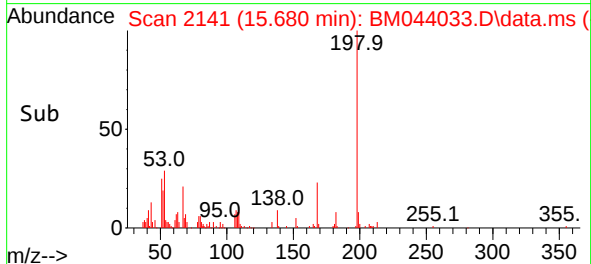
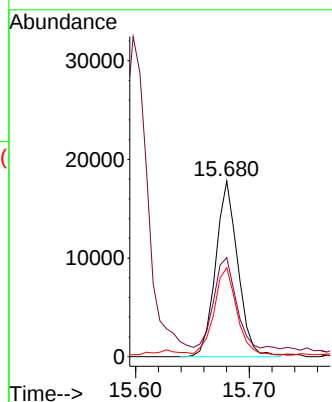
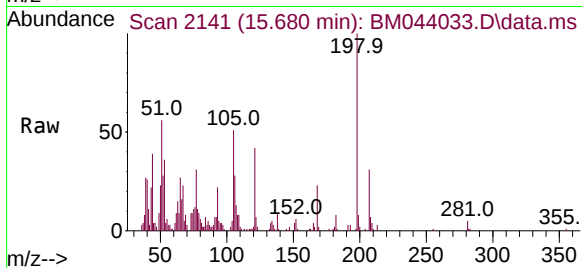




#65
4,6-Dinitro-2-methylphenol
Concen: 2.065 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

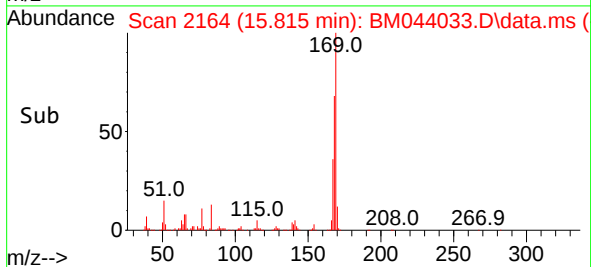
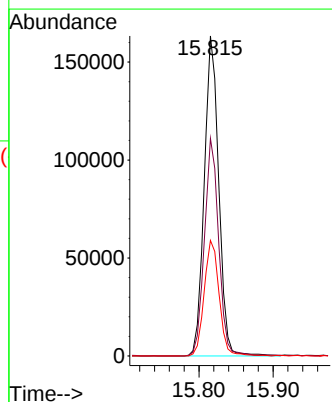
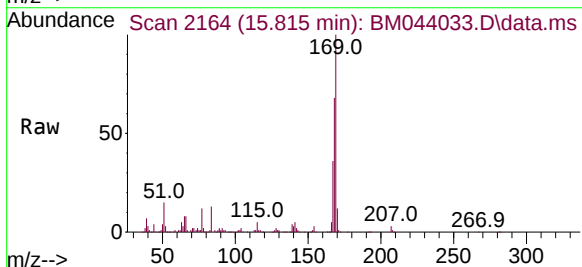
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

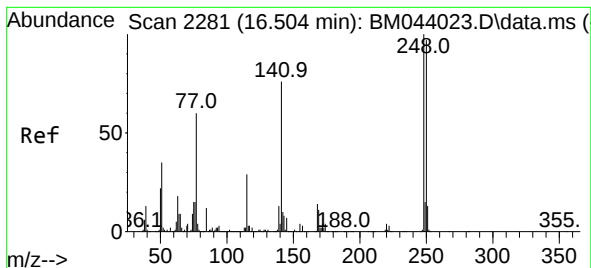
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.4	29.9	69.9
105	50.6	28.7	68.7



#66
n-Nitrosodiphenylamine
Concen: 3.726 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.0	53.8	80.8
167	36.1	29.2	43.8





#67

4-Bromophenyl-phenylether

Concen: 3.642 ng

RT: 16.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

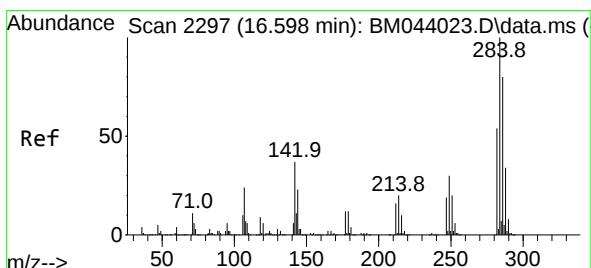
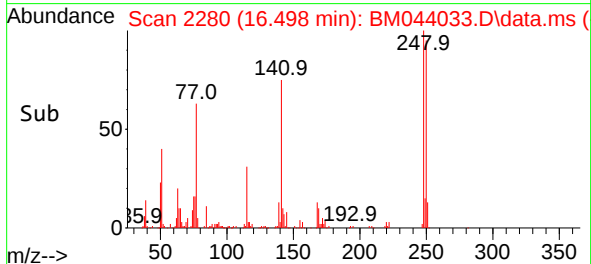
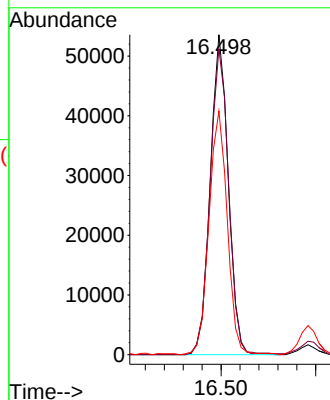
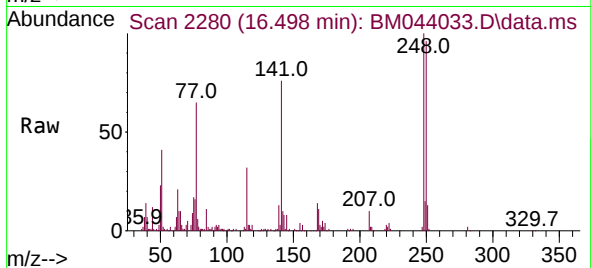
Tgt Ion:248 Resp: 70660

Ion Ratio Lower Upper

248 100

250 95.6 77.4 116.2

141 76.1 61.0 91.6



#68

Hexachlorobenzene

Concen: 3.709 ng

RT: 16.592 min Scan# 2296

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

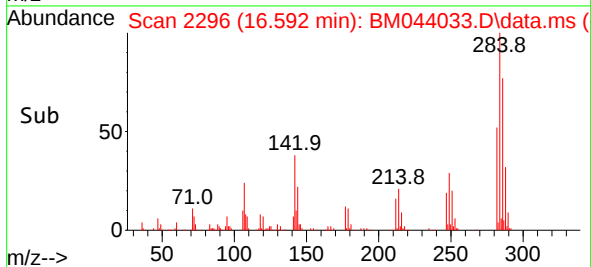
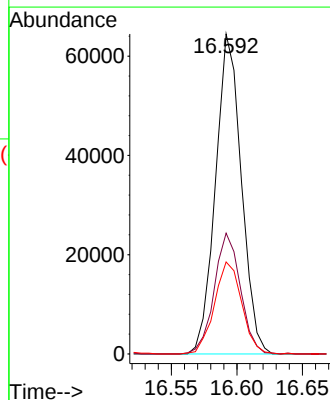
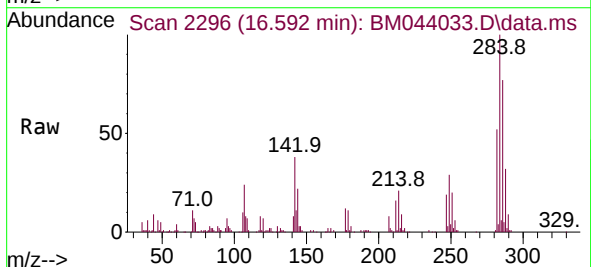
Tgt Ion:284 Resp: 88136

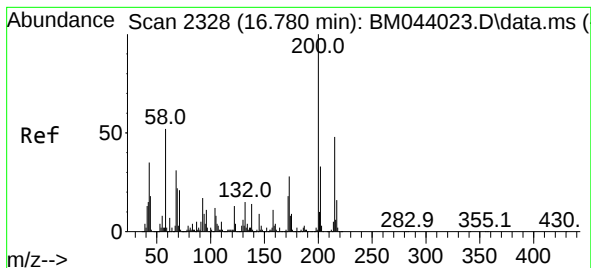
Ion Ratio Lower Upper

284 100

142 37.8 30.0 45.0

249 28.7 24.1 36.1





#69

Atrazine

Concen: 4.366 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

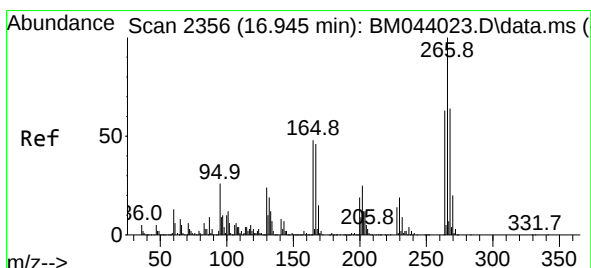
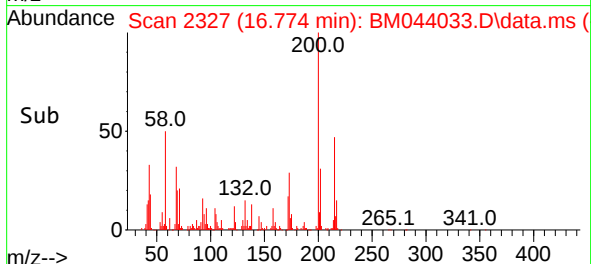
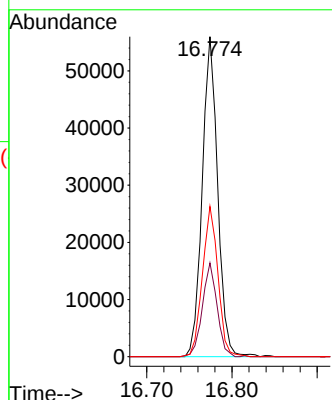
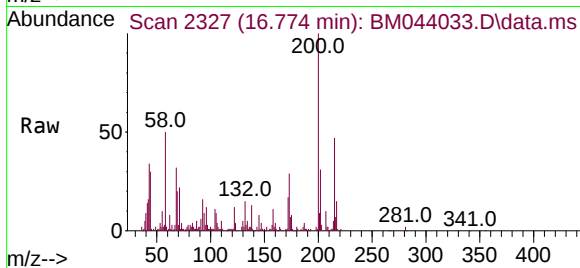
Tgt Ion:200 Resp: 70482

Ion Ratio Lower Upper

200 100

173 29.3 7.9 47.9

215 47.0 27.9 67.9



#70

Pentachlorophenol

Concen: 2.570 ng

RT: 16.945 min Scan# 2356

Delta R.T. 0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

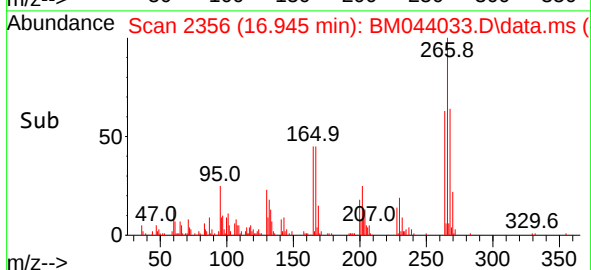
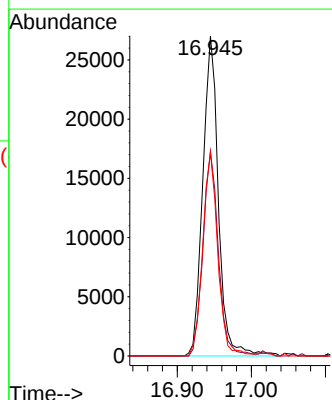
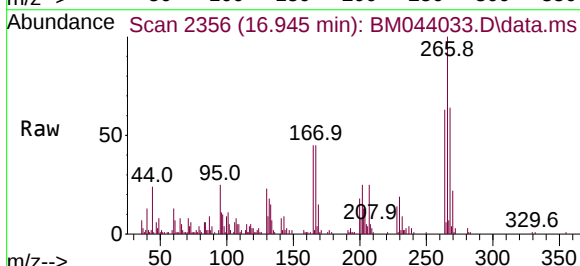
Tgt Ion:266 Resp: 39730

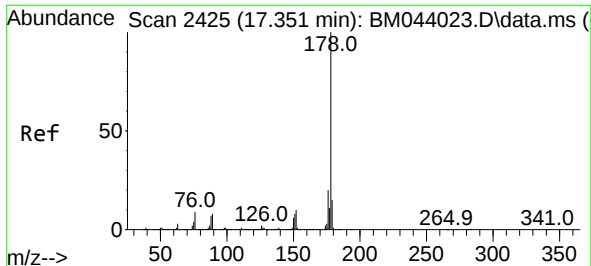
Ion Ratio Lower Upper

266 100

268 64.1 51.1 76.7

264 63.5 50.5 75.7

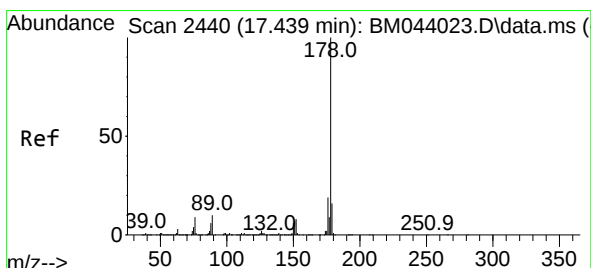
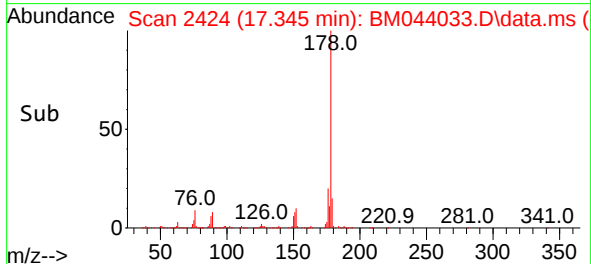
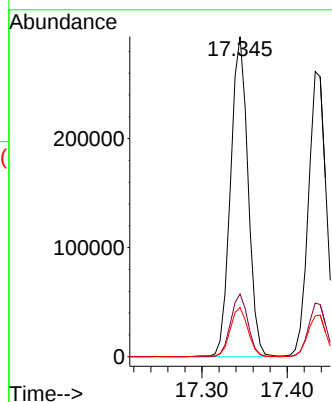
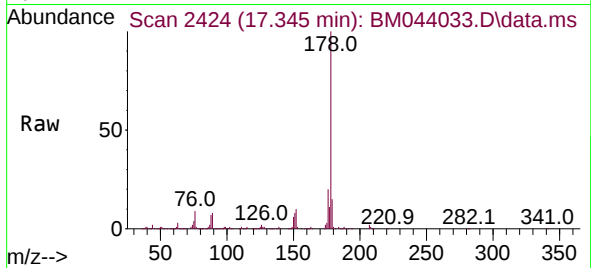




#71
Phenanthrene
Concen: 4.024 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

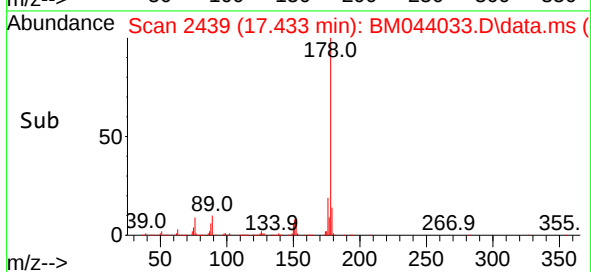
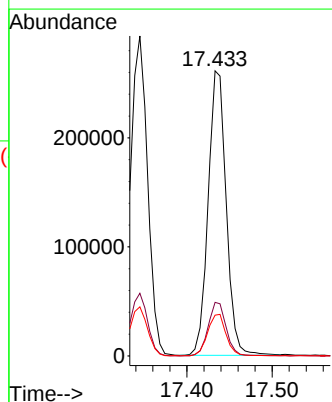
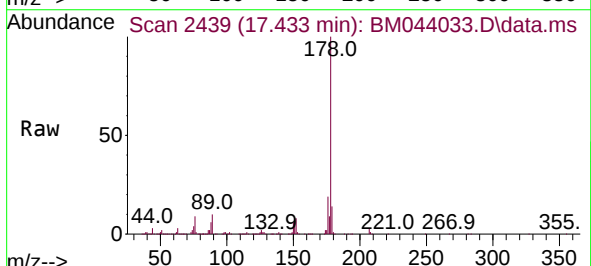
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

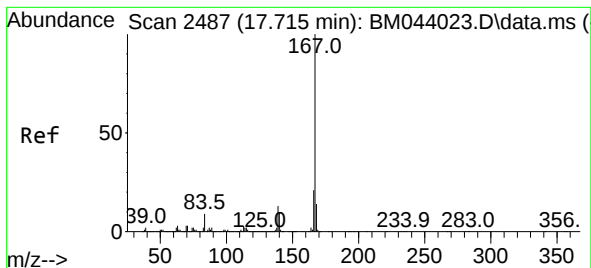
Tgt Ion:178 Resp: 416904
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.3 12.2 18.4



#72
Anthracene
Concen: 3.749 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:178 Resp: 384529
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 14.3 12.4 18.6





#73

Carbazole

Concen: 3.631 ng

RT: 17.709 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

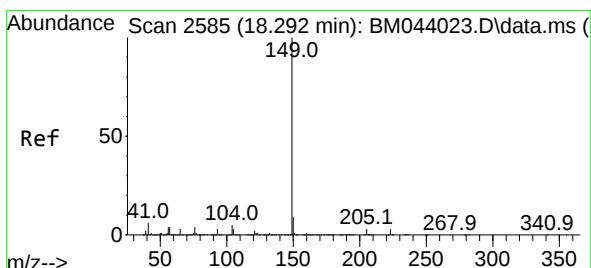
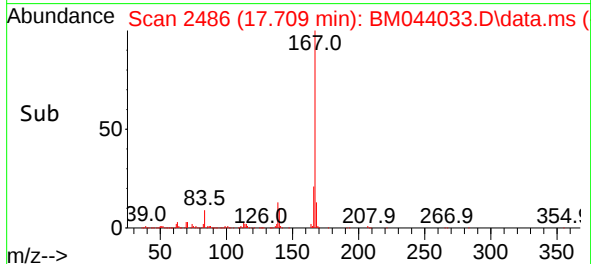
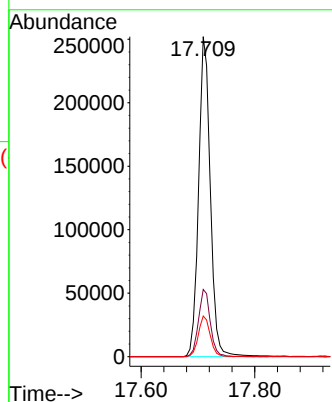
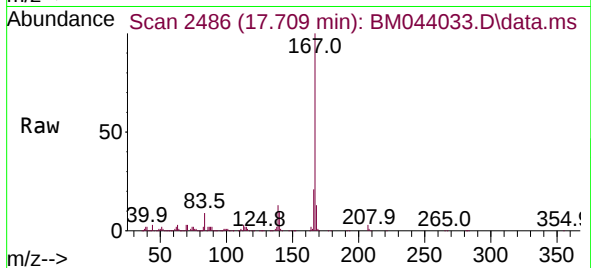
Tgt Ion:167 Resp: 362233

Ion Ratio Lower Upper

167 100

166 21.0 16.8 25.2

139 12.7 10.4 15.6



#74

Di-n-butylphthalate

Concen: 3.203 ng

RT: 18.292 min Scan# 2585

Delta R.T. 0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

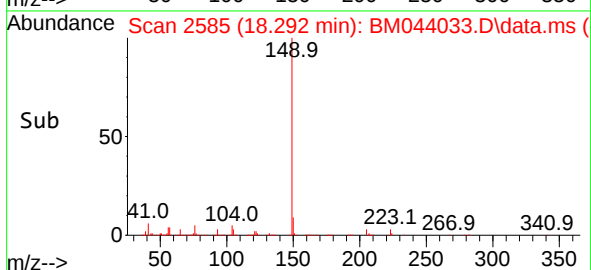
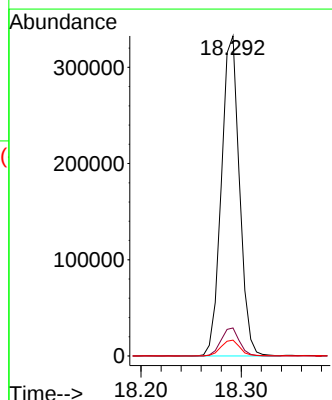
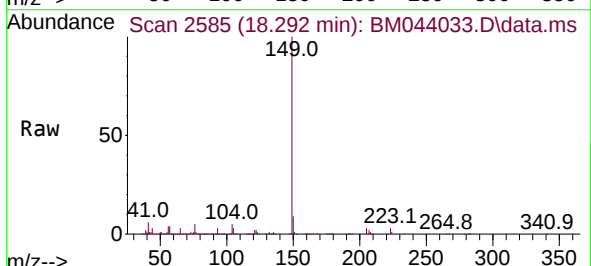
Tgt Ion:149 Resp: 415351

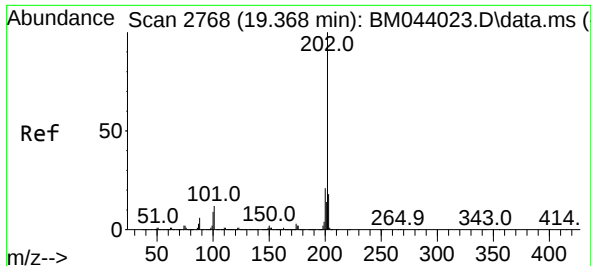
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 5.0 3.8 5.6

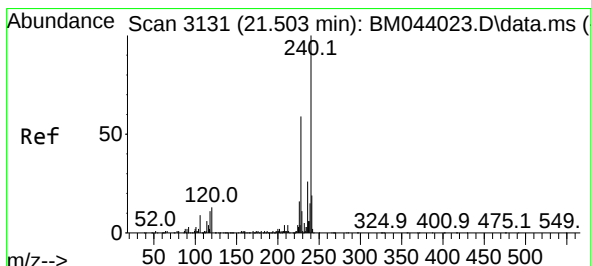
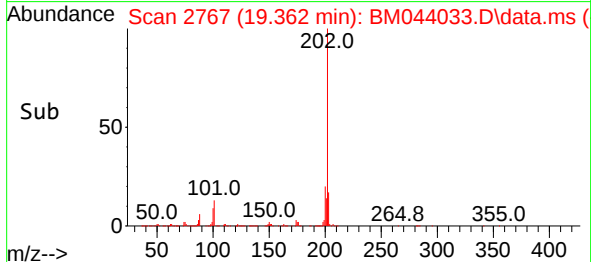
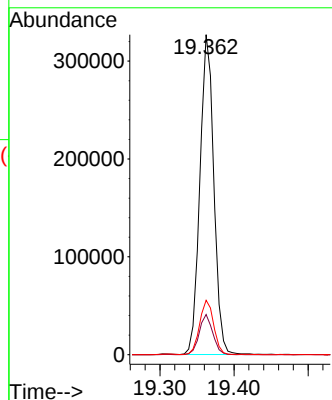
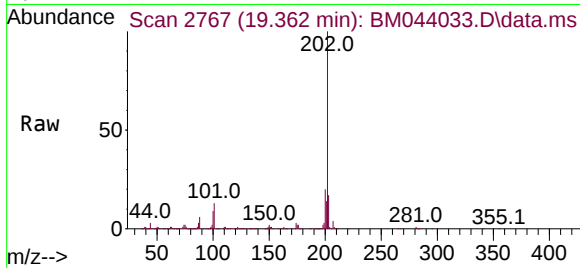




#75
Fluoranthene
Concen: 3.660 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

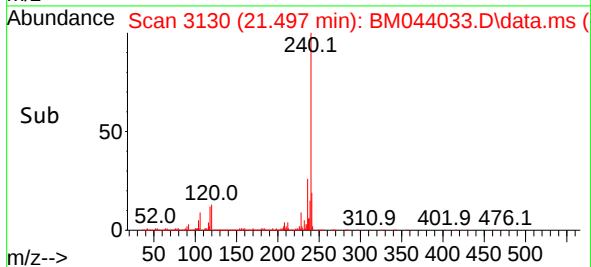
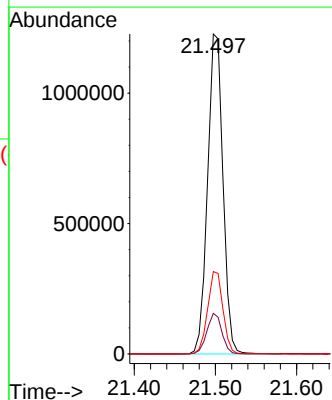
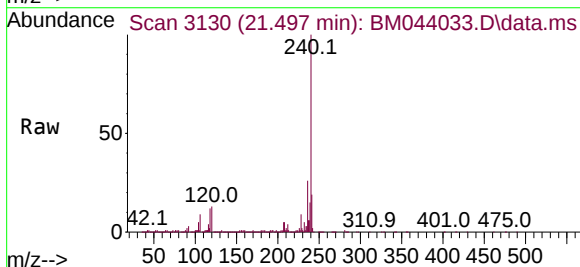
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

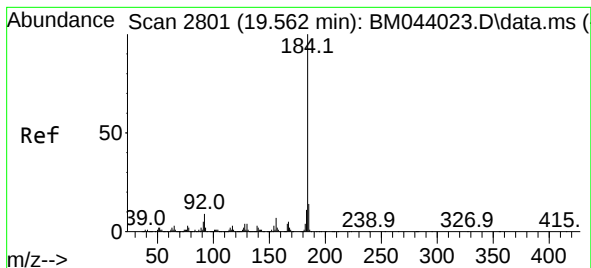
Tgt Ion:202 Resp: 425974
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.4
203 17.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:240 Resp: 1613045
Ion Ratio Lower Upper
240 100
120 12.7 10.1 15.1
236 25.8 20.6 31.0





#77

Benzidine

Concen: 0.701 ng

RT: 19.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

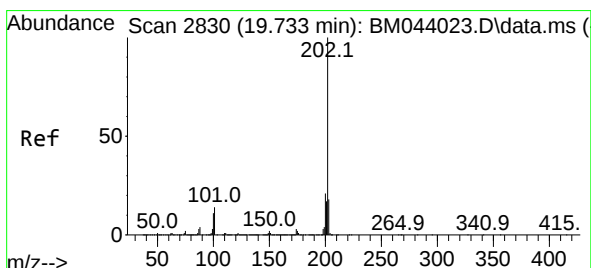
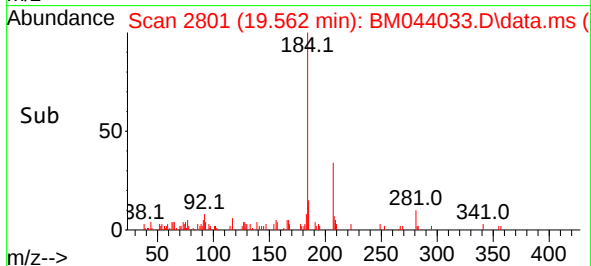
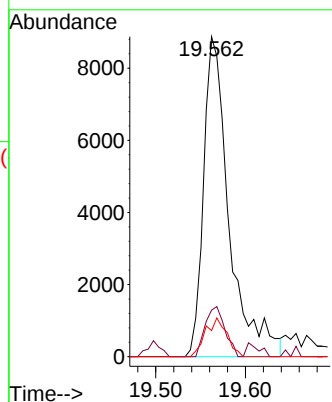
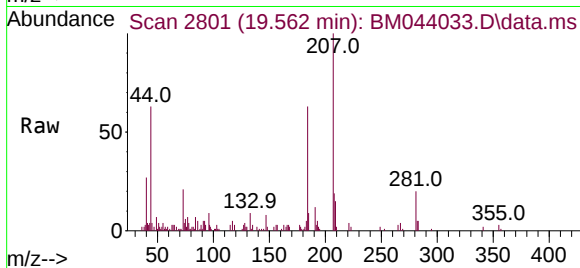
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:184	Resp:	17576
Ion Ratio	Lower	Upper
184	100	
185	14.6	11.0 16.6
183	8.2	9.0 13.4#



#78

Pyrene

Concen: 3.577 ng

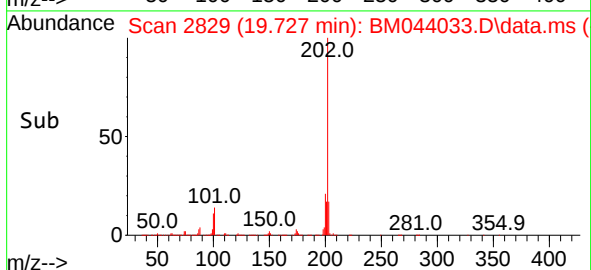
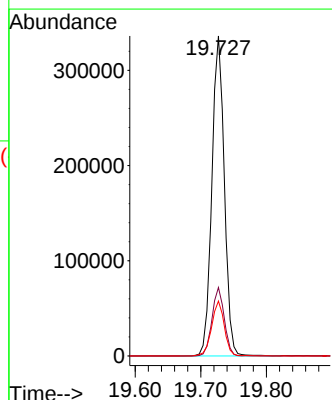
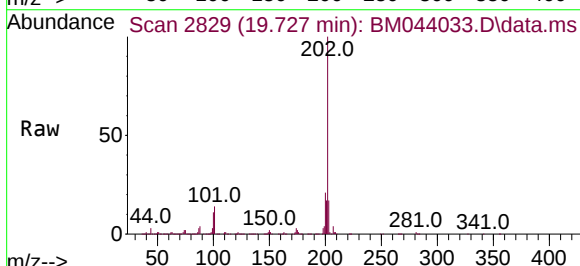
RT: 19.727 min Scan# 2829

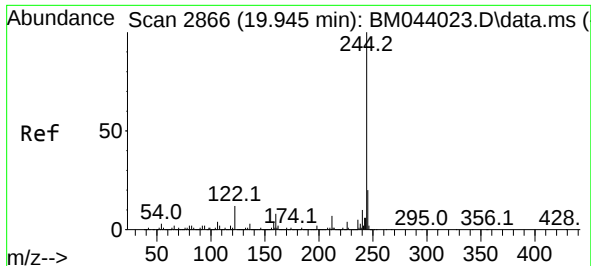
Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Tgt Ion:202	Resp:	444391
Ion Ratio	Lower	Upper
202	100	
200	21.4	16.8 25.2
203	17.2	14.0 21.0

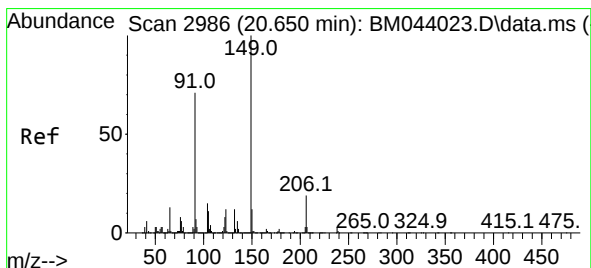
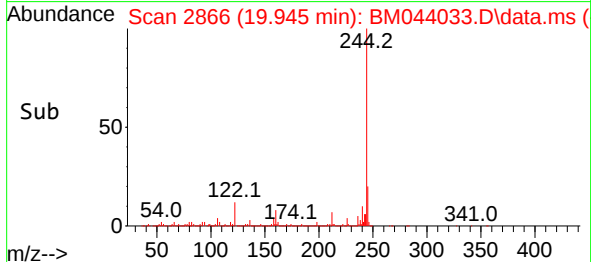
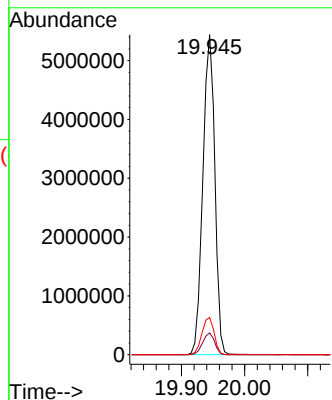
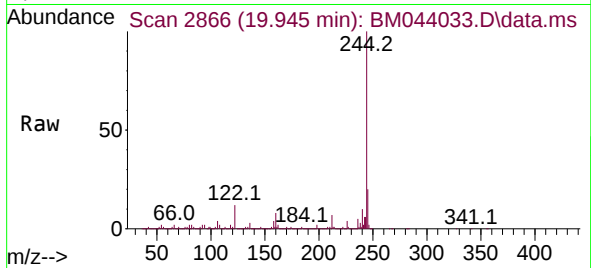




#79
Terphenyl-d14
Concen: 77.730 ng
RT: 19.945 min Scan# 2866
Delta R.T. 0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

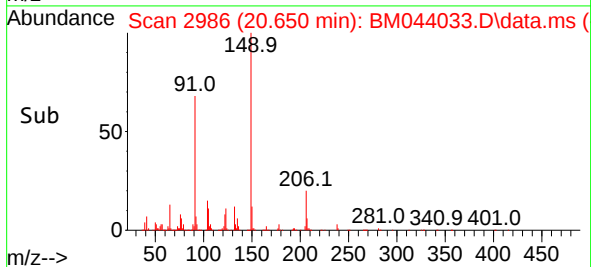
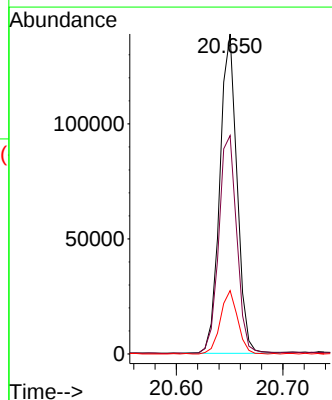
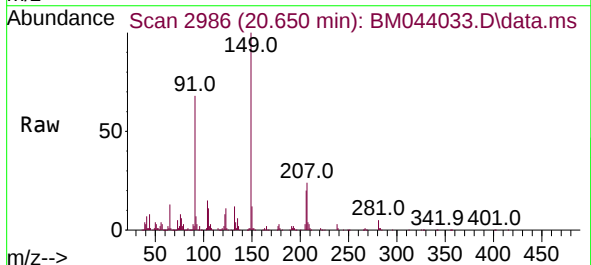
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

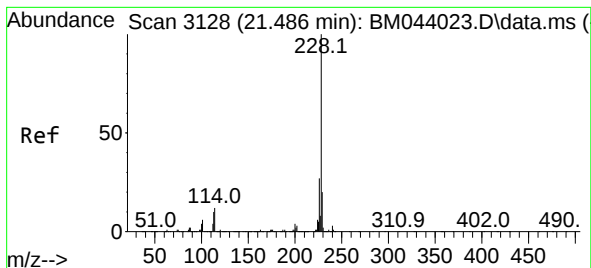
Tgt Ion:244 Resp: 7152267
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.6 9.5 14.3



#80
Butylbenzylphthalate
Concen: 2.808 ng
RT: 20.650 min Scan# 2986
Delta R.T. -0.000 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:149 Resp: 155051
Ion Ratio Lower Upper
149 100
91 68.3 56.8 85.2
206 19.8 15.0 22.6





#81

Benzo(a)anthracene

Concen: 3.724 ng

RT: 21.486 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

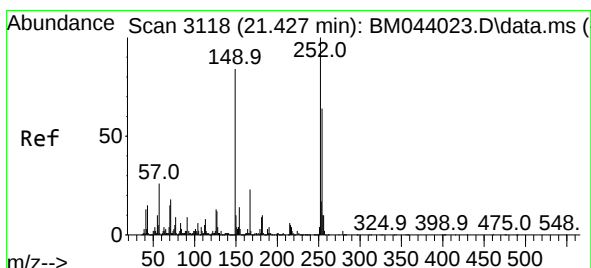
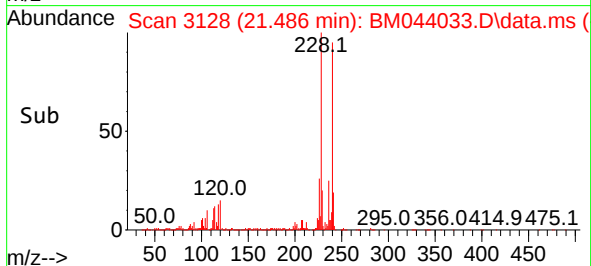
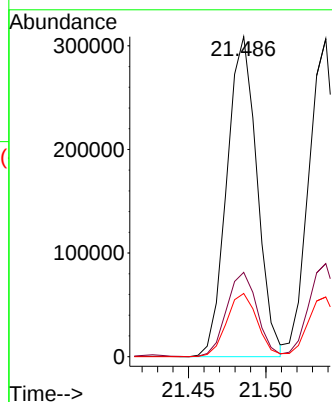
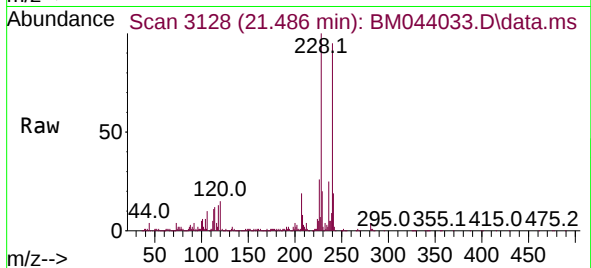
Tgt Ion:228 Resp: 417857

Ion Ratio Lower Upper

228 100

226 26.3 21.4 32.2

229 19.8 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 3.470 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

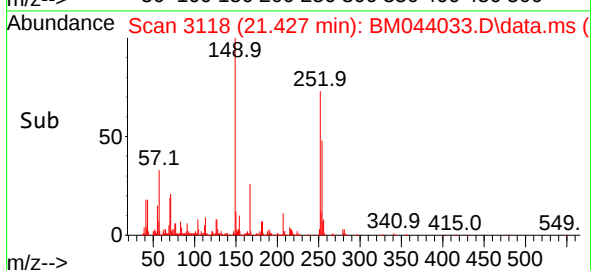
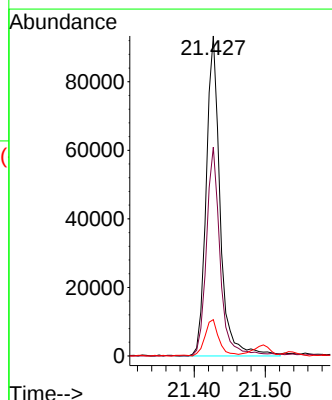
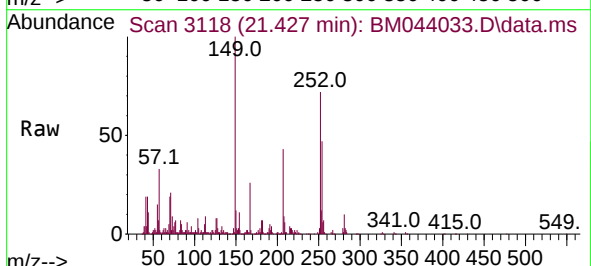
Tgt Ion:252 Resp: 127731

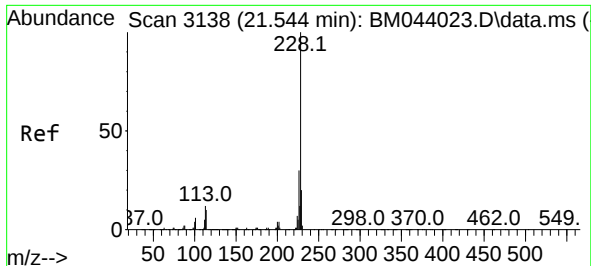
Ion Ratio Lower Upper

252 100

254 65.3 51.2 76.8

126 11.4 10.2 15.4

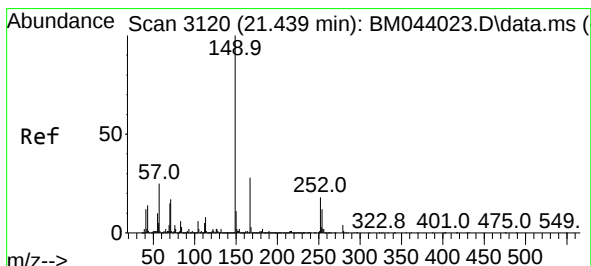
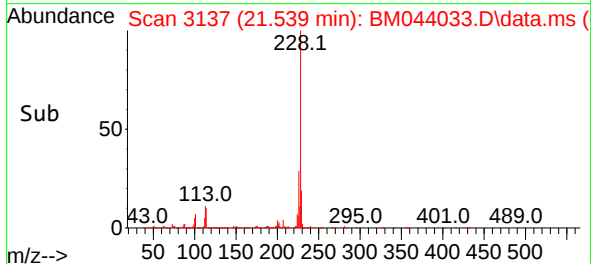
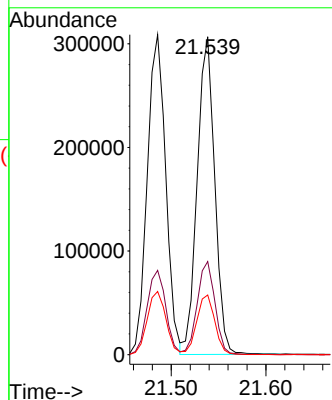
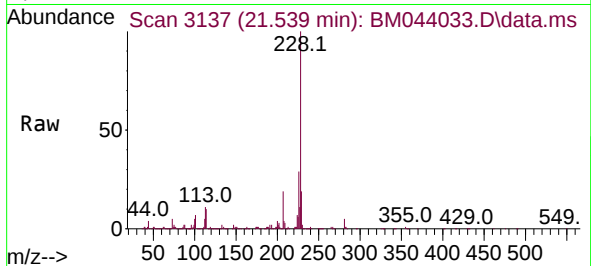




#83
Chrysene
Concen: 3.735 ng
RT: 21.539 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

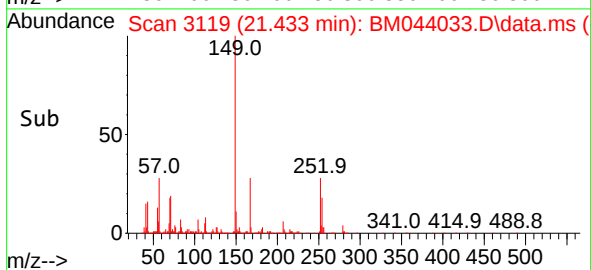
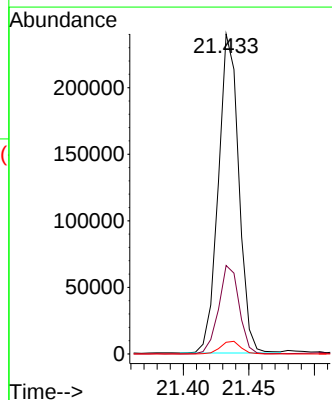
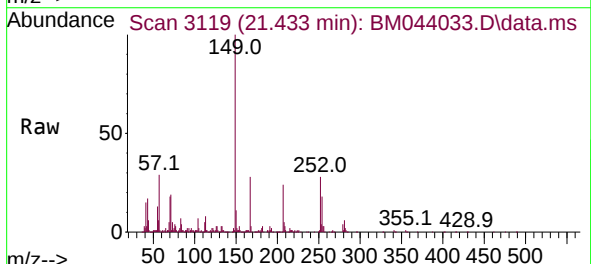
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

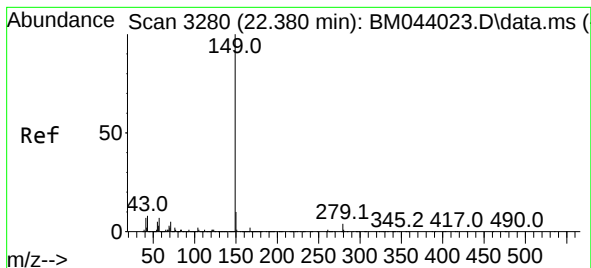
Tgt Ion:228 Resp: 395909
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.2
229 18.8 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.181 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:149 Resp: 259165
Ion Ratio Lower Upper
149 100
167 27.7 22.6 33.8
279 3.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 2.556 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

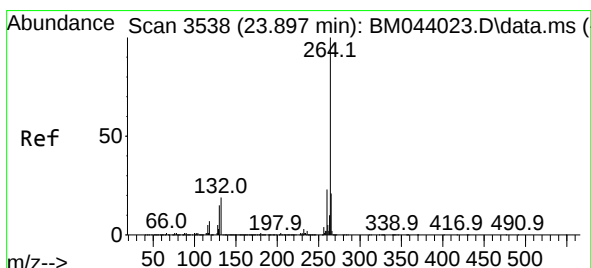
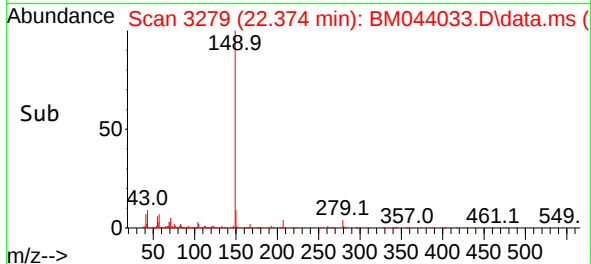
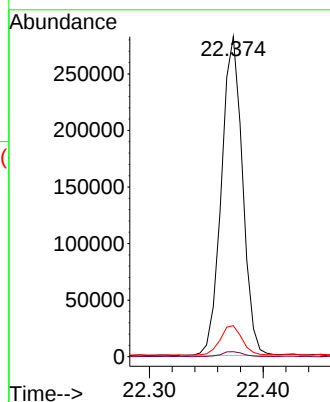
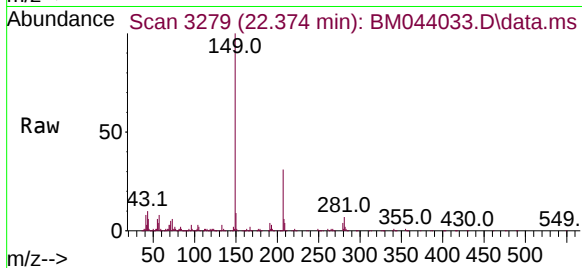
Tgt Ion:149 Resp: 363659

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 9.8 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.891 min Scan# 3537

Delta R.T. -0.006 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

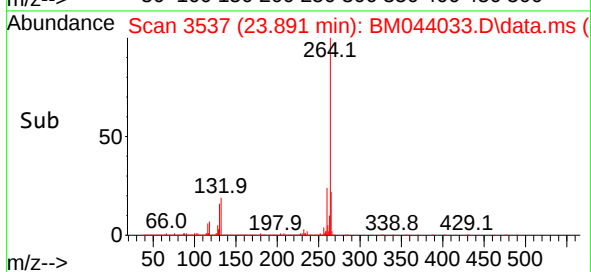
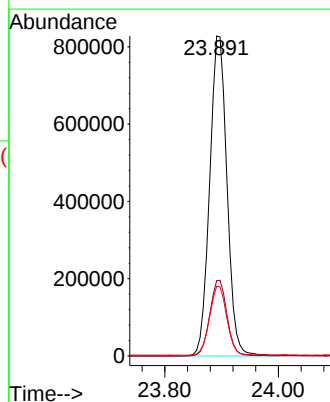
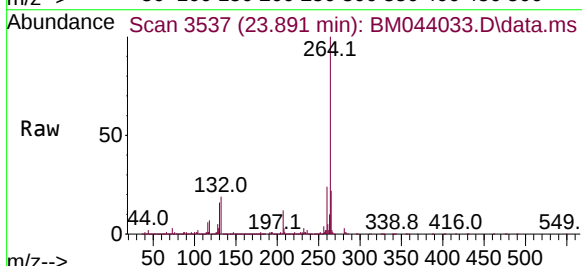
Tgt Ion:264 Resp: 1745554

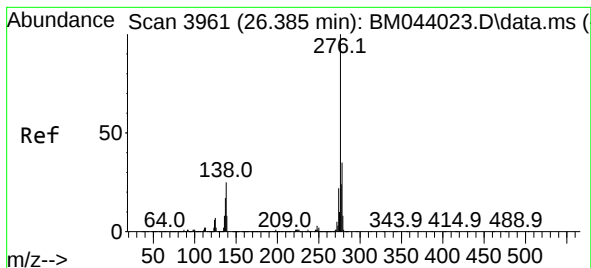
Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.569 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

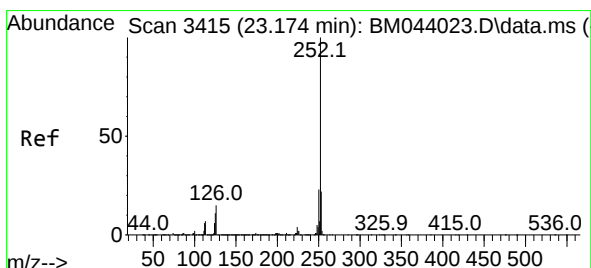
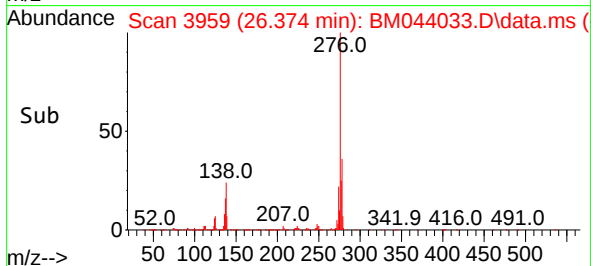
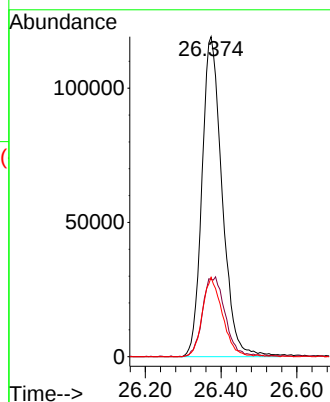
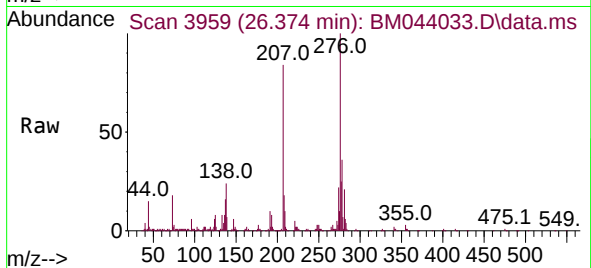
Tgt Ion:276 Resp: 440975

Ion Ratio Lower Upper

276 100

138 28.0 22.6 34.0

277 24.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.696 ng

RT: 23.162 min Scan# 3413

Delta R.T. -0.012 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

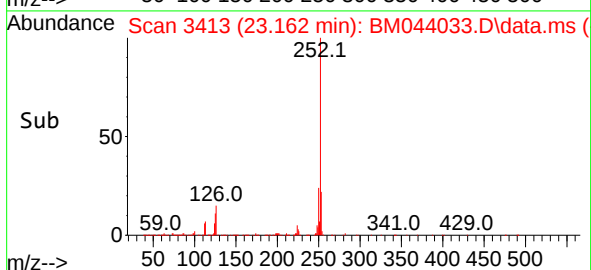
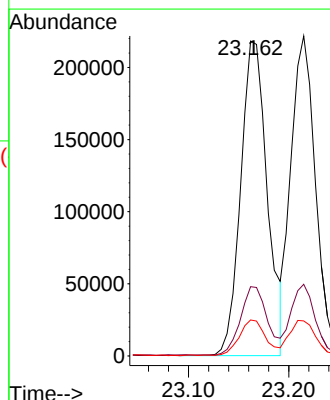
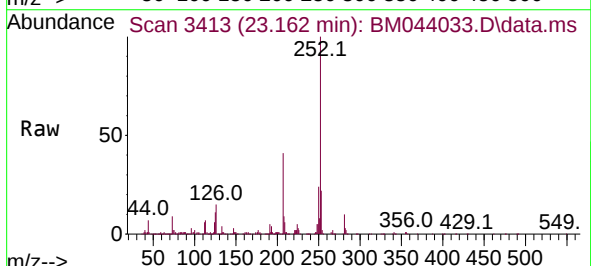
Tgt Ion:252 Resp: 403345

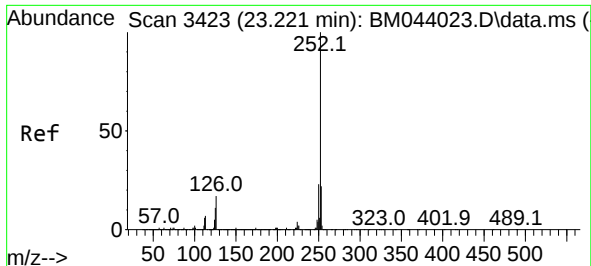
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 11.4 8.8 13.2

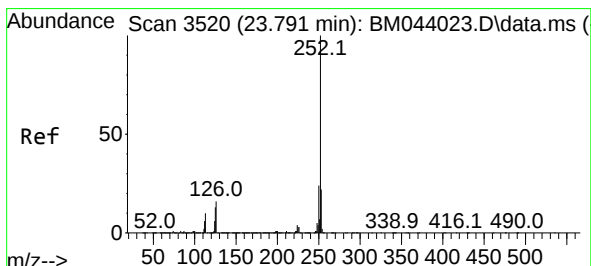
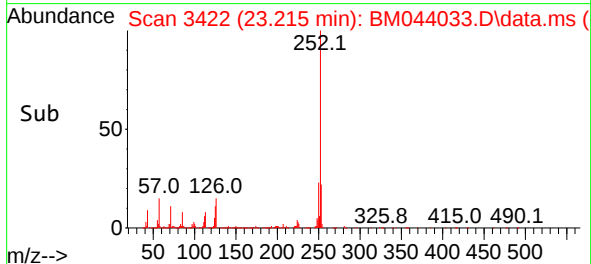
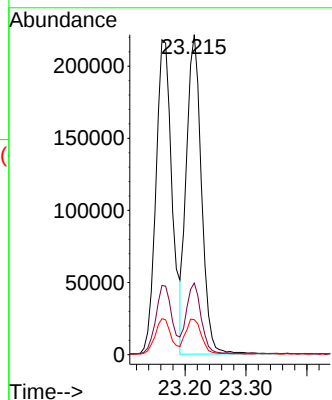
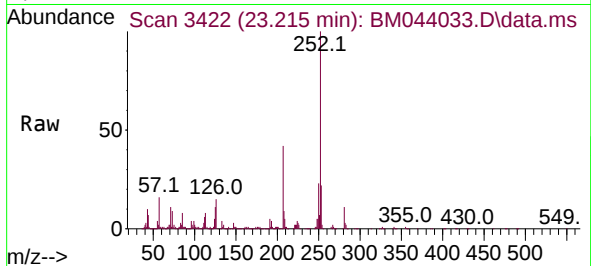




#89
Benzo(k)fluoranthene
Concen: 3.666 ng
RT: 23.215 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

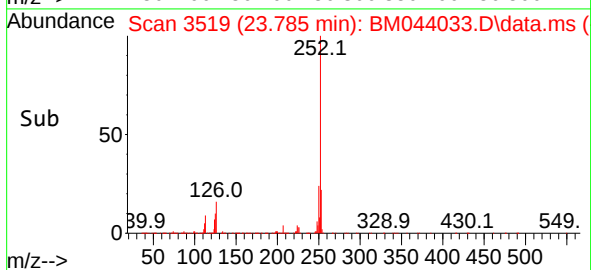
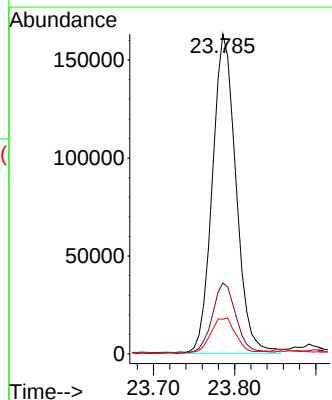
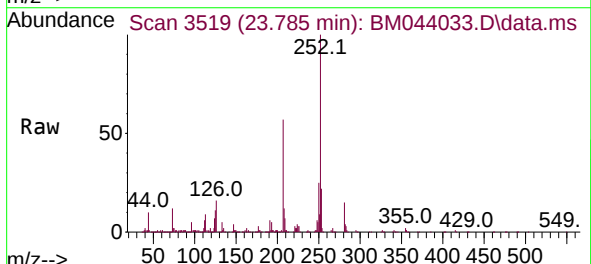
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

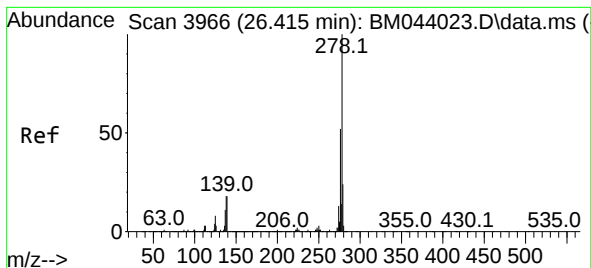
Tgt Ion:252 Resp: 380058
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.0 9.0 13.4



#90
Benzo(a)pyrene
Concen: 3.456 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044033.D
Acq: 09 Feb 2024 11:17

Tgt Ion:252 Resp: 329358
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.8 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.585 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

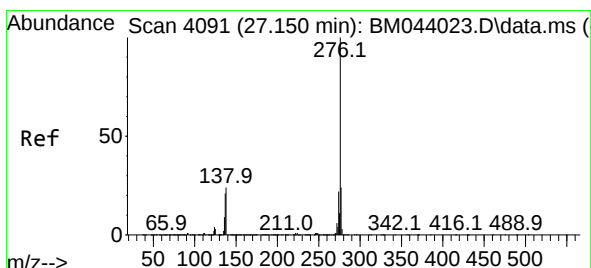
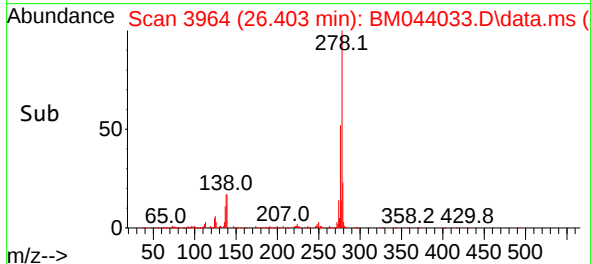
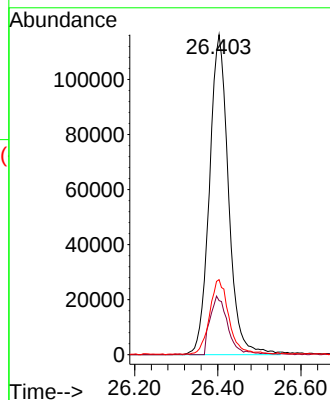
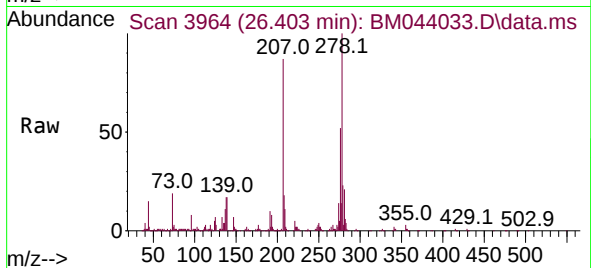
Tgt Ion:278 Resp: 370495

Ion Ratio Lower Upper

278 100

139 16.9 14.5 21.7

279 23.5 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.435 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044033.D

Acq: 09 Feb 2024 11:17

Tgt Ion:276 Resp: 359956

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 22.7 19.1 28.7

