

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048224.D
 Acq On : 24 Oct 2024 19:46
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-08 ng
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 24 23:59:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	202020	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	806769	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	512127	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1028987	20.000	ng	0.00
76) Chrysene-d12	21.333	240	986189	20.000	ng	0.00
86) Perylene-d12	24.280	264	1095157	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	1497581	124.609	ng	0.00
7) Phenol-d6	6.899	99	1948356	124.483	ng	0.00
23) Nitrobenzene-d5	8.875	82	1308841	91.601	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	798759	127.425	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	2929776	87.785	ng	0.00
79) Terphenyl-d14	19.733	244	3793403	78.497	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	43498	8.842	ng	99
3) Pyridine	3.611	79	97003	7.423	ng	94
4) n-Nitrosodimethylamine	3.516	42	45444	8.190	ng	# 94
6) Aniline	7.051	93	137795	10.606	ng	97
8) 2-Chlorophenol	7.287	128	110783	8.485	ng	98
9) Benzaldehyde	6.863	77	93987	12.222	ng	99
10) Phenol	6.922	94	131925	8.378	ng	94
11) bis(2-Chloroethyl)ether	7.146	93	105071	8.377	ng	98
12) 1,3-Dichlorobenzene	7.604	146	125195	8.317	ng	100
13) 1,4-Dichlorobenzene	7.751	146	127418	8.332	ng	98
14) 1,2-Dichlorobenzene	8.069	146	122801	8.309	ng	99
15) Benzyl Alcohol	7.963	79	81941	8.206	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.240	45	163447	8.909	ng	98
17) 2-Methylphenol	8.169	107	78960	7.546	ng	98
18) Hexachloroethane	8.793	117	46799	8.349	ng	97
19) n-Nitroso-di-n-propyla...	8.522	70	81468	8.227	ng	97
20) 3+4-Methylphenols	8.498	107	110260	7.607	ng	99
22) Acetophenone	8.540	105	166462	8.454	ng	# 97
24) Nitrobenzene	8.916	77	123294	8.328	ng	98
25) Isophorone	9.445	82	210746	8.047	ng	100
26) 2-Nitrophenol	9.628	139	50429	7.377	ng	# 90
27) 2,4-Dimethylphenol	9.698	122	48425	5.839	ng	97
28) bis(2-Chloroethoxy)met...	9.928	93	134714	8.128	ng	99
29) 2,4-Dichlorophenol	10.175	162	93862	7.868	ng	96
30) 1,2,4-Trichlorobenzene	10.375	180	108976	7.976	ng	98
31) Naphthalene	10.557	128	344719	8.192	ng	98
32) Benzoic acid	9.792	122	41311	4.475	ng	95
33) 4-Chloroaniline	10.681	127	115949	8.496	ng	98
34) Hexachlorobutadiene	10.845	225	66730	7.880	ng	97
35) Caprolactam	11.451	113	26188	6.758	ng	94
36) 4-Chloro-3-methylphenol	11.810	107	93377	7.498	ng	98
37) 2-Methylnaphthalene	12.175	142	225581	8.024	ng	97
38) 1-Methylnaphthalene	12.398	142	212516	7.623	ng	96
40) 1,2,4,5-Tetrachloroben...	12.551	216	122086	8.341	ng	99
41) Hexachlorocyclopentadiene	12.528	237	26992	5.449	ng	98
43) 2,4,6-Trichlorophenol	12.798	196	74343	7.653	ng	98

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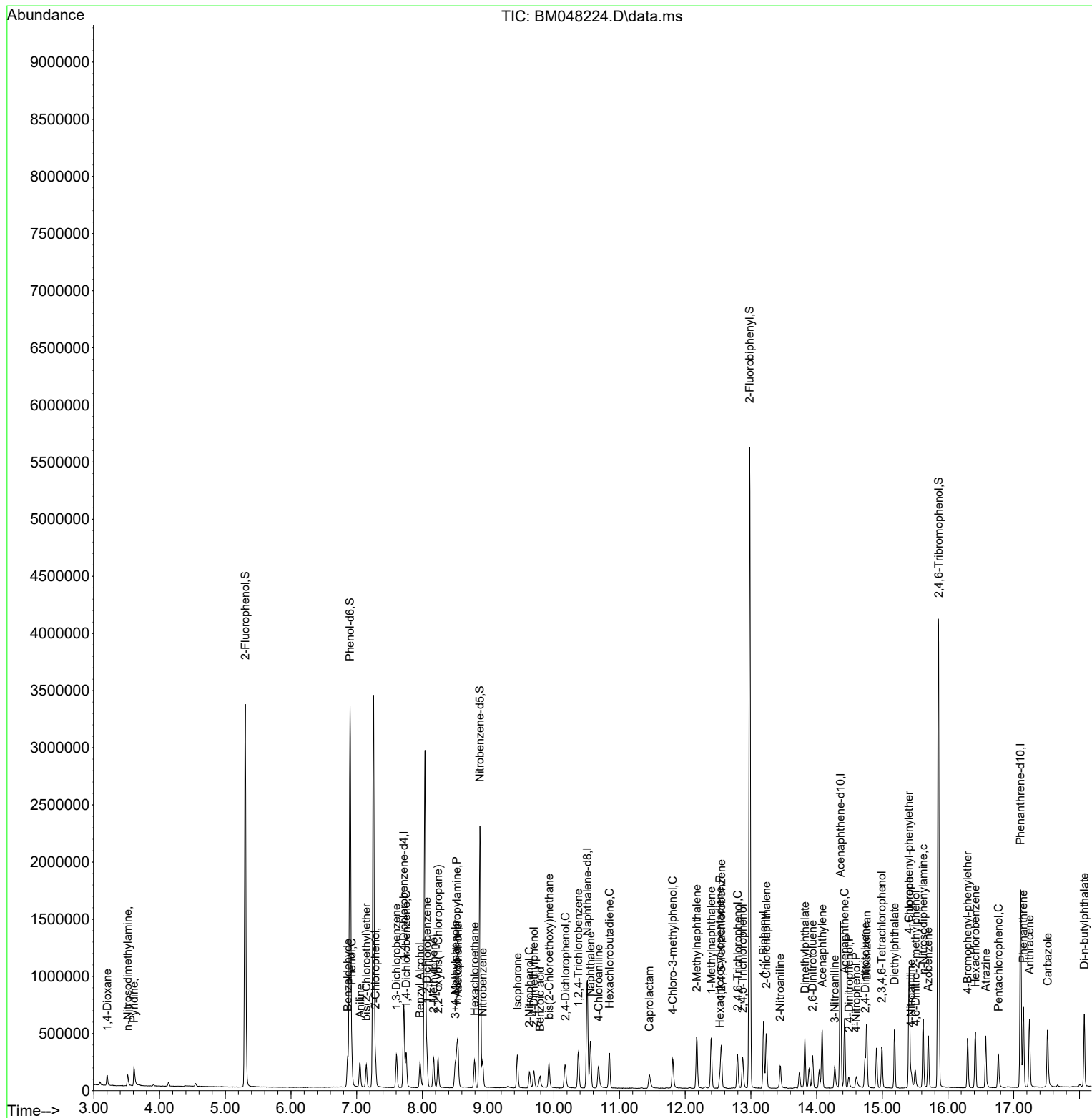
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	80052	7.390	ng	99
46) 1,1'-Biphenyl	13.192	154	312455	8.545	ng	100
47) 2-Chloronaphthalene	13.233	162	233281	8.092	ng	99
48) 2-Nitroaniline	13.445	65	57047	7.296	ng	95
49) Acenaphthylene	14.086	152	363233	8.636	ng	99
50) Dimethylphthalate	13.822	163	282775	8.088	ng	99
51) 2,6-Dinitrotoluene	13.939	165	55998	7.178	ng	94
52) Acenaphthene	14.427	154	214069	8.010	ng	100
53) 3-Nitroaniline	14.275	138	52361	7.118	ng	# 99
54) 2,4-Dinitrophenol	14.492	184	23254	5.101	ng	94
55) Dibenzofuran	14.763	168	355716	8.378	ng	99
56) 4-Nitrophenol	14.604	139	38542	5.870	ng	91
57) 2,4-Dinitrotoluene	14.739	165	70294	6.824	ng	96
58) Fluorene	15.410	166	274051	8.162	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	71261	7.937	ng	98
60) Diethylphthalate	15.186	149	277315	7.834	ng	99
61) 4-Chlorophenyl-phenyle...	15.404	204	136366	8.123	ng	96
62) 4-Nitroaniline	15.439	138	45322	5.953	ng	97
63) Azobenzene	15.698	77	256707	8.091	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	36526	6.118	ng	98
66) n-Nitrosodiphenylamine	15.621	169	229883	8.138	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	83062	7.962	ng	98
68) Hexachlorobenzene	16.416	284	101245	8.080	ng	98
69) Atrazine	16.574	200	77936	9.861	ng	98
70) Pentachlorophenol	16.768	266	56588	6.879	ng	97
71) Phenanthrene	17.145	178	433127	8.501	ng	99
72) Anthracene	17.239	178	396175	8.032	ng	100
73) Carbazole	17.515	167	380560	7.870	ng	99
74) Di-n-butylphthalate	18.074	149	452799	7.523	ng	100
75) Fluoranthene	19.162	202	482163	7.933	ng	99
77) Benzidine	19.357	184	111484	9.795	ng	99
78) Pyrene	19.527	202	511845	7.754	ng	99
80) Butylbenzylphthalate	20.427	149	198436	7.189	ng	99
81) Benzo(a)anthracene	21.315	228	512485	8.132	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	175189	8.116	ng	99
83) Chrysene	21.374	228	500017	8.266	ng	99
84) Bis(2-ethylhexyl)phtha...	21.239	149	308316	7.685	ng	100
85) Di-n-octyl phthalate	22.350	149	481409	6.928	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.597	276	601163	8.301	ng	99
88) Benzo(b)fluoranthene	23.350	252	507941	8.089	ng	100
89) Benzo(k)fluoranthene	23.409	252	515437	8.490	ng	99
90) Benzo(a)pyrene	24.144	252	460929	8.443	ng	98
91) Dibenzo(a,h)anthracene	27.650	278	498766	8.270	ng	99
92) Benzo(g,h,i)perylene	28.632	276	479020	7.757	ng	98

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

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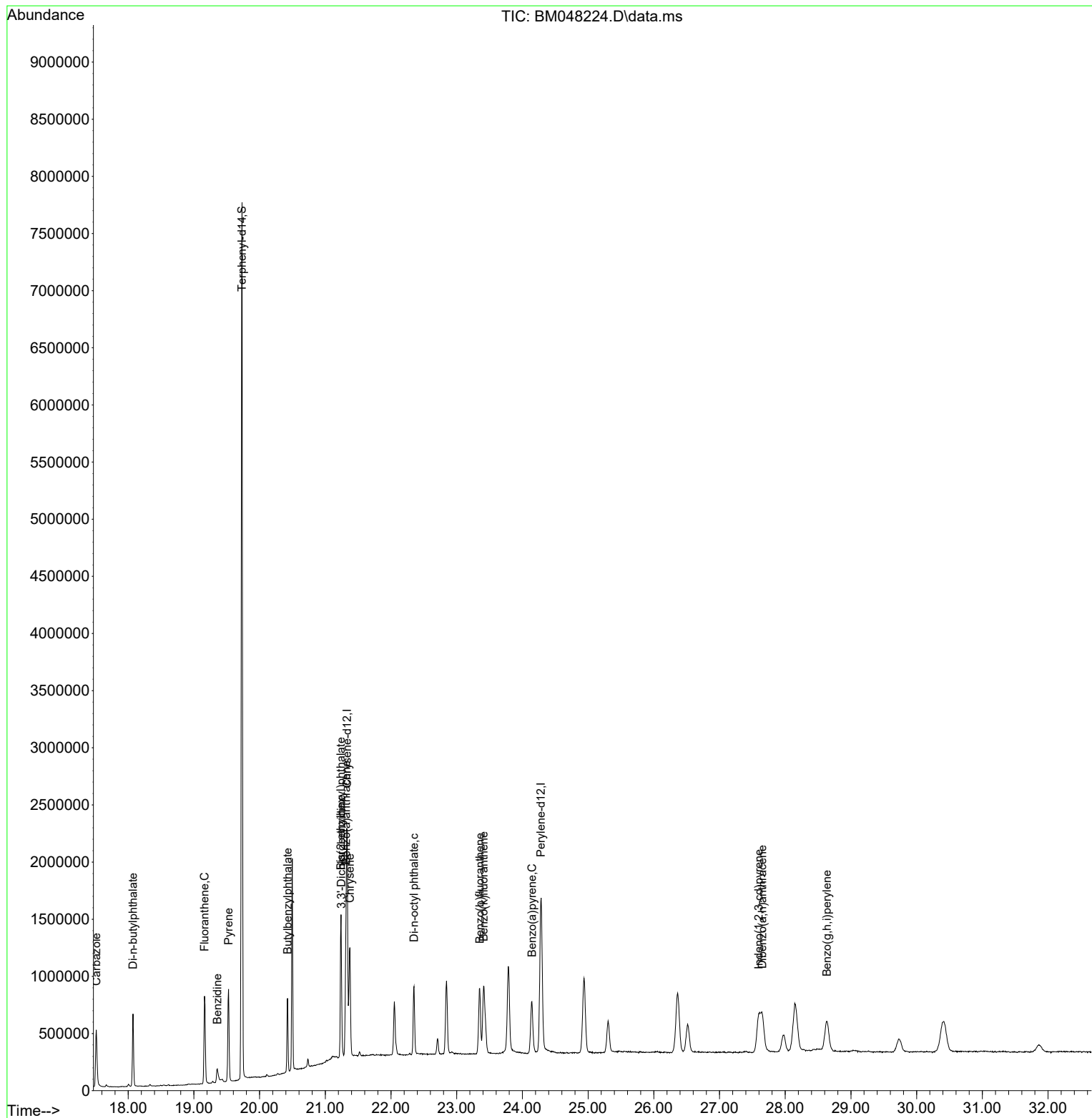
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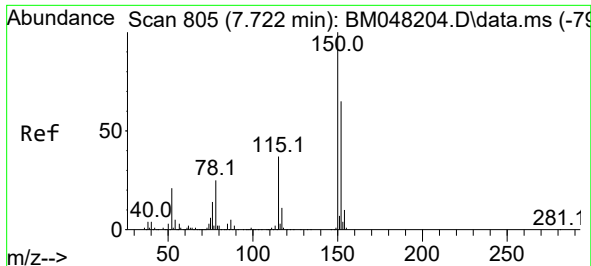


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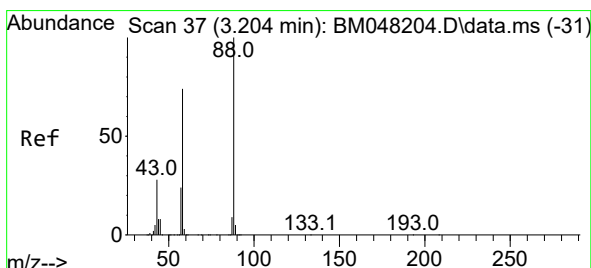
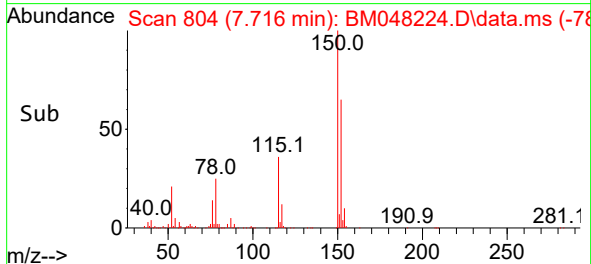
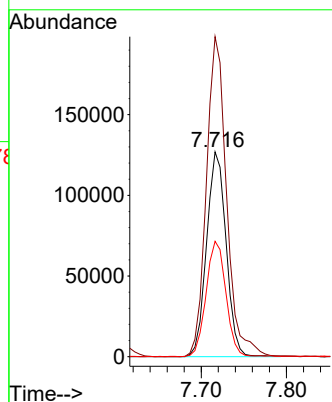
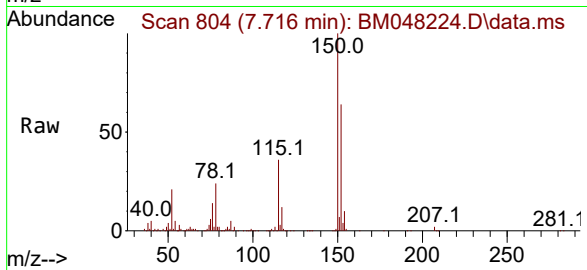




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048224.D
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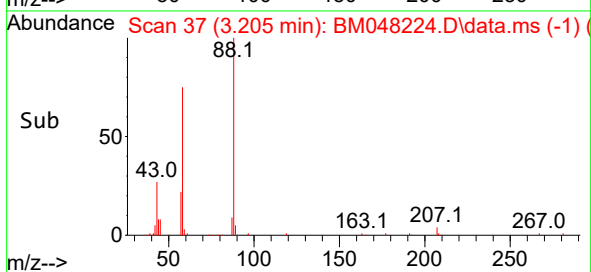
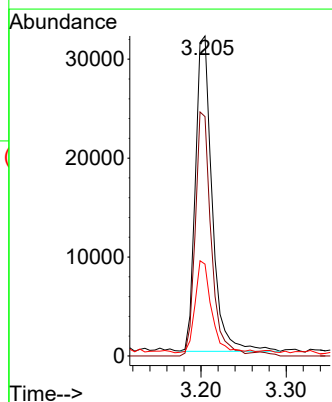
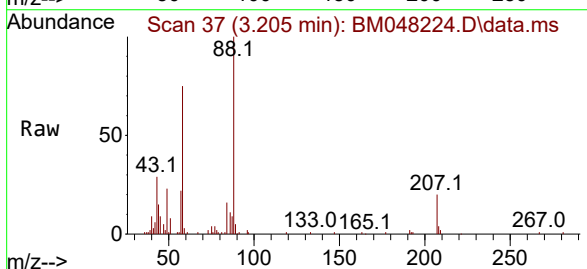
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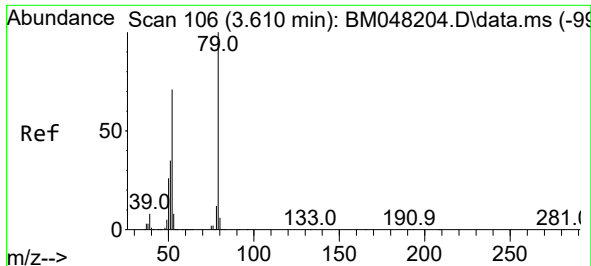
Tgt Ion:152 Resp: 202020
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 56.3 45.8 68.6



#2
1,4-Dioxane
Concen: 8.842 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 88 Resp: 43498
Ion Ratio Lower Upper
88 100
58 73.6 59.7 89.5
43 28.7 22.6 33.8

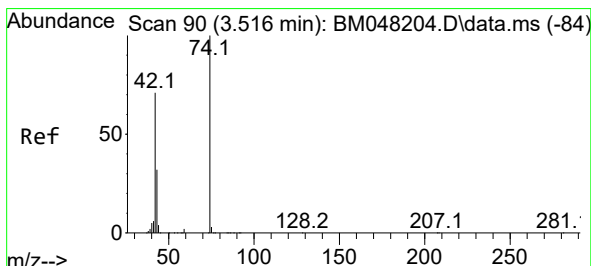
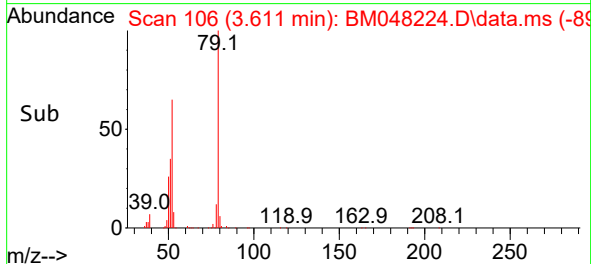
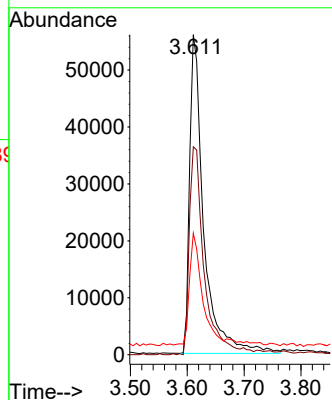
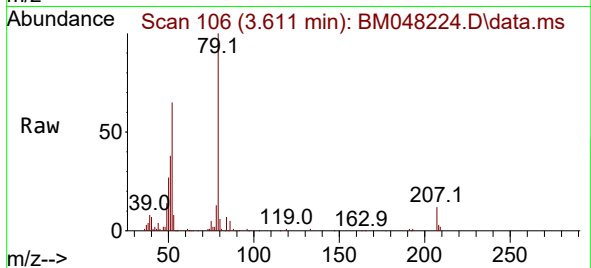




#3
Pyridine
Concen: 7.423 ng
RT: 3.611 min Scan# 106
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

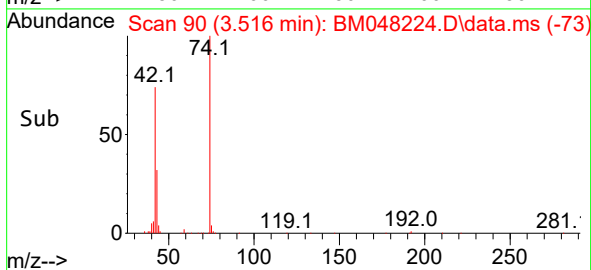
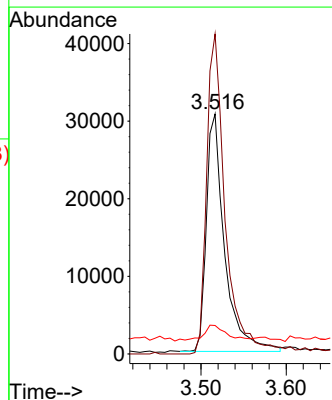
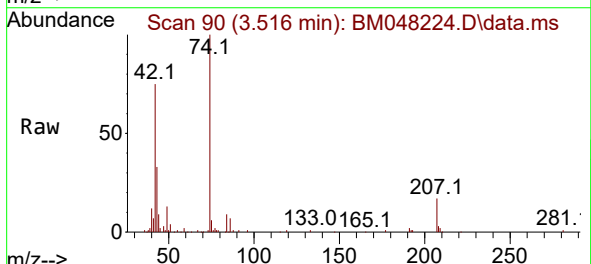
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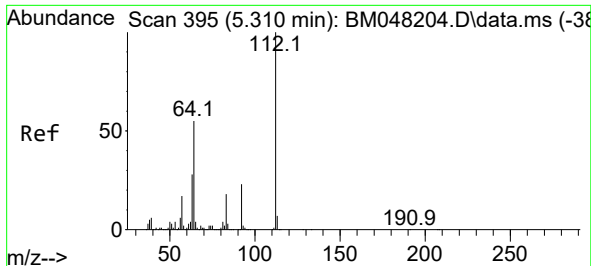
Tgt Ion: 79 Resp: 97003
Ion Ratio Lower Upper
79 100
52 65.0 56.5 84.7
51 38.0 28.5 42.7



#4
n-Nitrosodimethylamine
Concen: 8.190 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 42 Resp: 45444
Ion Ratio Lower Upper
42 100
74 133.4 111.8 167.6
44 11.8 6.0 9.0

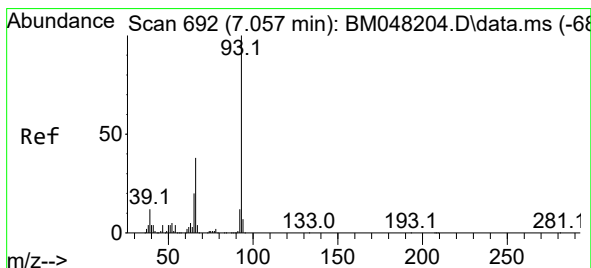
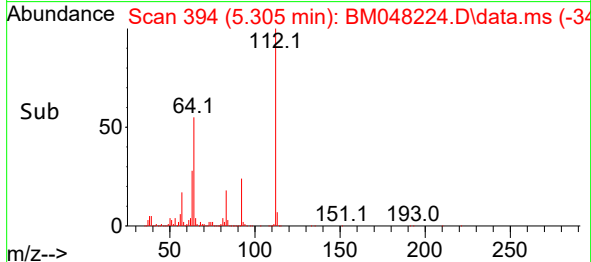
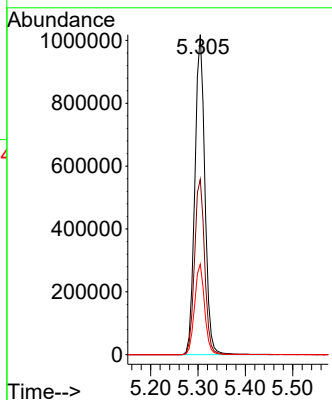
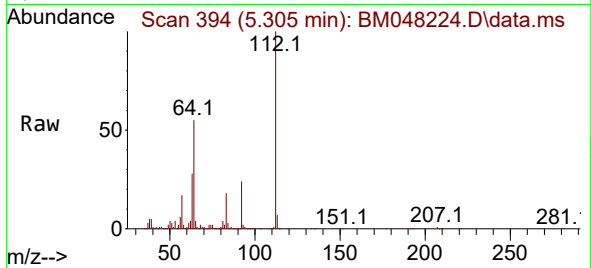




#5
2-Fluorophenol
Concen: 124.609 ng
RT: 5.305 min Scan# 394
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

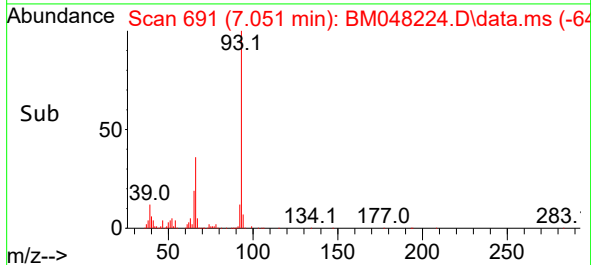
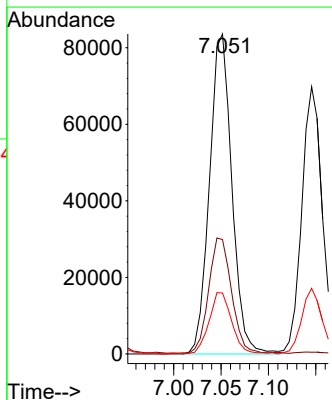
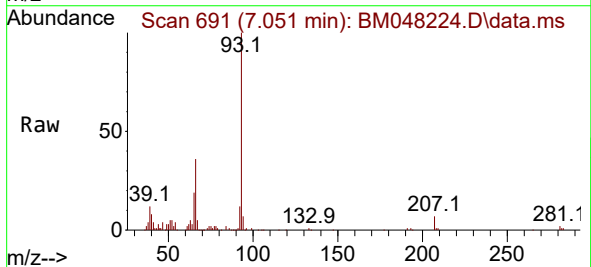
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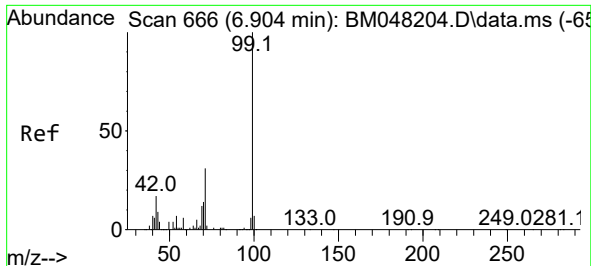
Tgt Ion:112 Resp: 1497581
Ion Ratio Lower Upper
112 100
64 54.8 44.2 66.2
63 28.3 22.7 34.1



#6
Aniline
Concen: 10.606 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 93 Resp: 137795
Ion Ratio Lower Upper
93 100
66 35.7 30.2 45.2
65 19.0 16.2 24.2

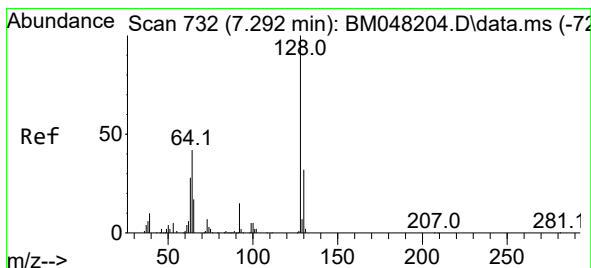
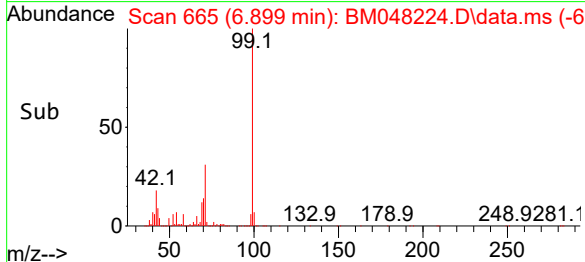
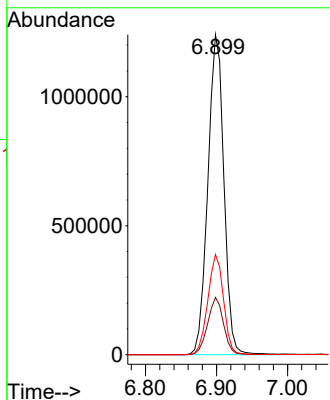
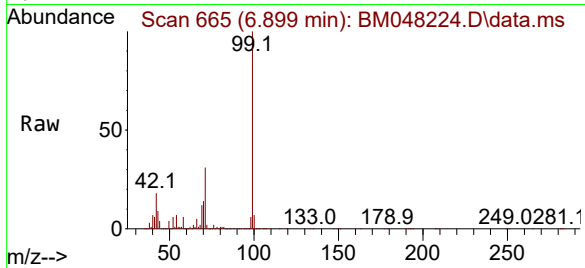




#7
Phenol-d6
Concen: 124.483 ng
RT: 6.899 min Scan# 665
Delta R.T. -0.006 min
Lab File: BM048224.D
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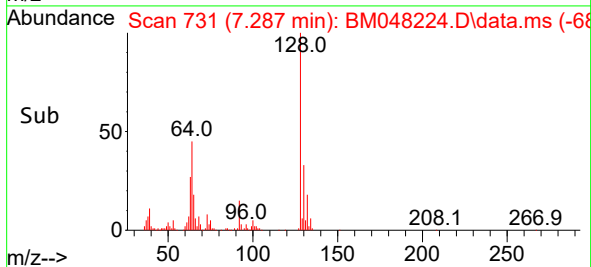
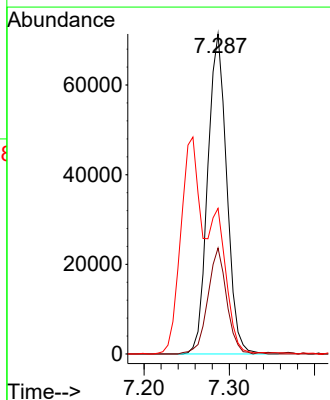
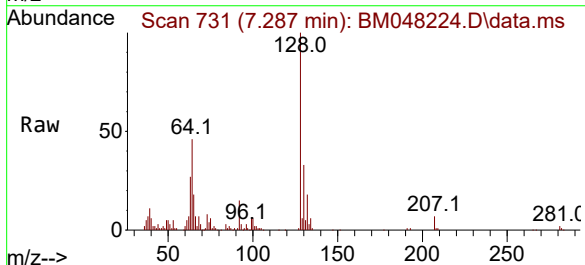
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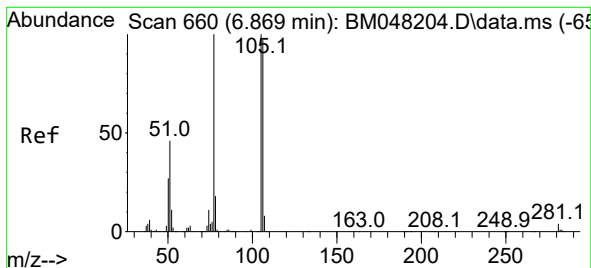
Tgt Ion: 99 Resp: 1948356
Ion Ratio Lower Upper
99 100
42 17.9 13.8 20.8
71 31.3 24.9 37.3



#8
2-Chlorophenol
Concen: 8.485 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048224.D
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Tgt Ion: 128 Resp: 110783
Ion Ratio Lower Upper
128 100
130 33.1 12.1 52.1
64 45.5 23.8 63.8





#9

Benzaldehyde

Concen: 12.222 ng

RT: 6.863 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM048224.D

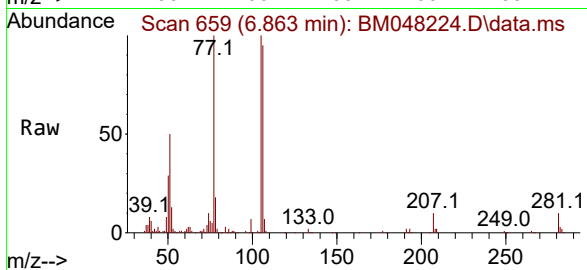
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Instrument :

BNA_M

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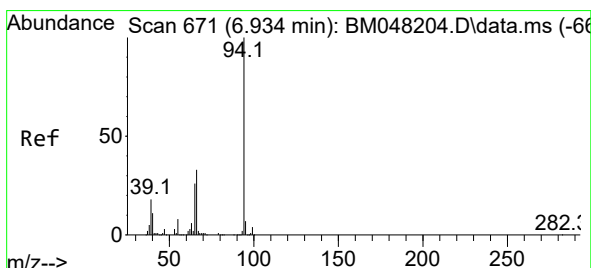
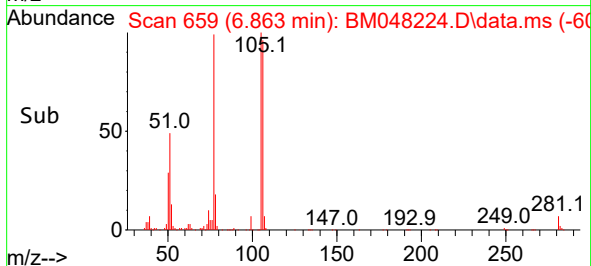
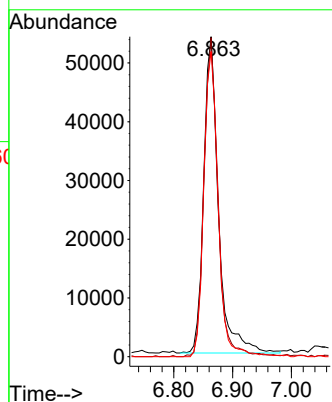
Tgt Ion: 77 Resp: 93987

Ion Ratio Lower Upper

77 100

105 99.7 79.6 119.6

106 95.4 77.0 117.0



#10

Phenol

Concen: 8.378 ng

RT: 6.922 min Scan# 669

Delta R.T. -0.012 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

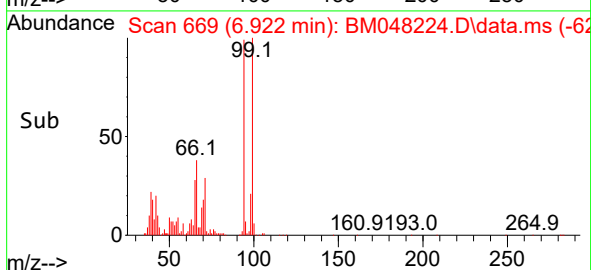
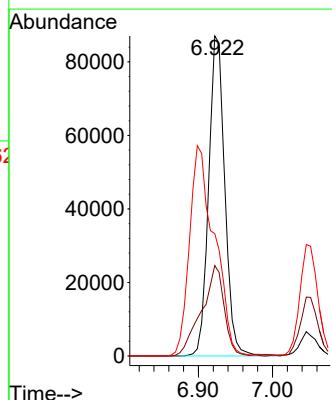
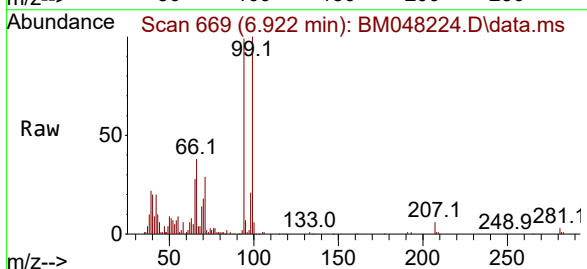
Tgt Ion: 94 Resp: 131925

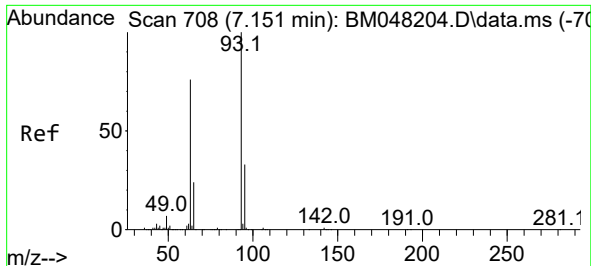
Ion Ratio Lower Upper

94 100

65 28.3 6.5 46.5

66 38.3 13.6 53.6

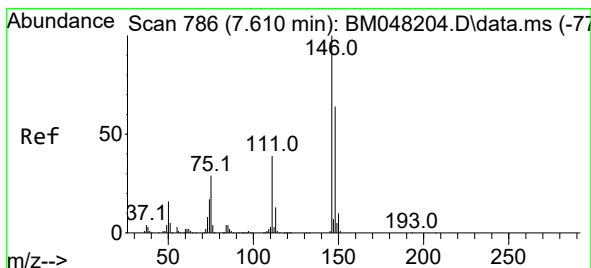
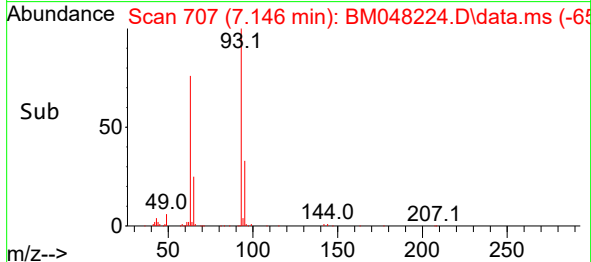
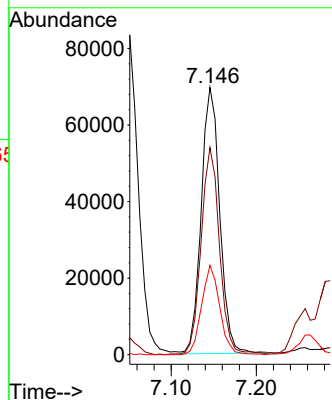
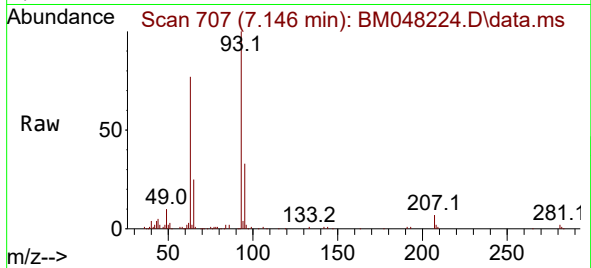




#11
bis(2-Chloroethyl)ether
Concen: 8.377 ng
RT: 7.146 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

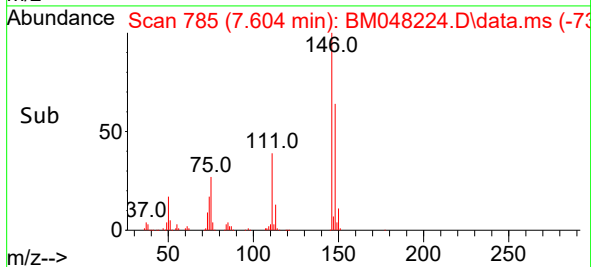
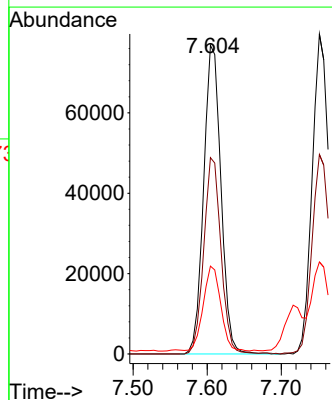
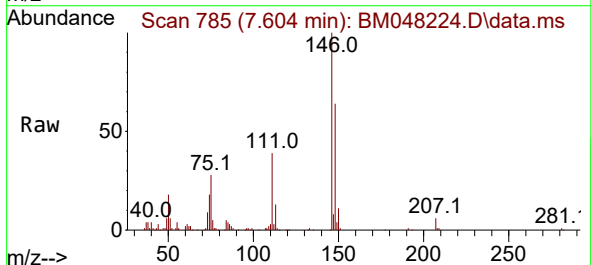
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

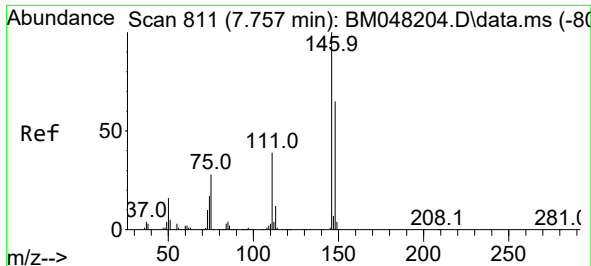
Tgt Ion: 93 Resp: 105071
Ion Ratio Lower Upper
93 100
63 77.4 55.3 95.3
95 33.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 8.317 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:146 Resp: 125195
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.6
75 28.5 22.9 34.3

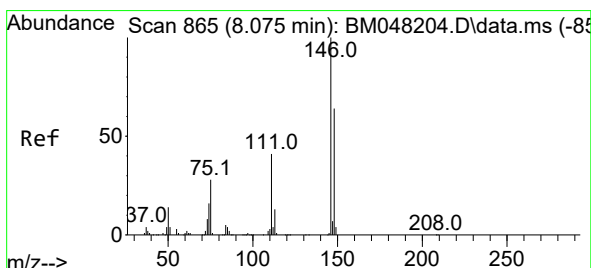
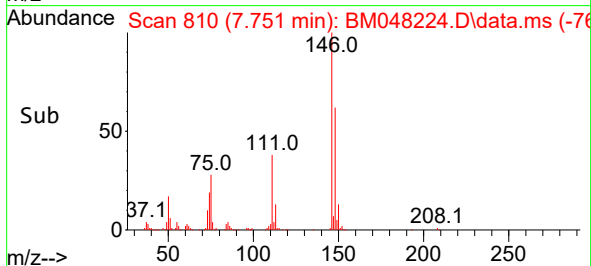
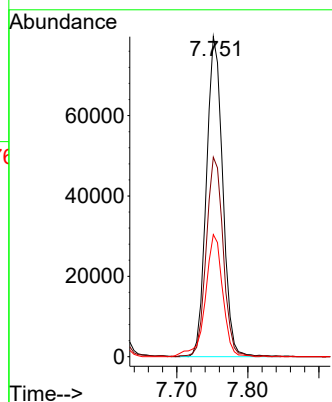
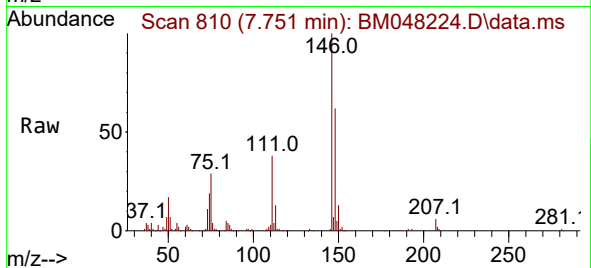




#13
1,4-Dichlorobenzene
Concen: 8.332 ng
RT: 7.751 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

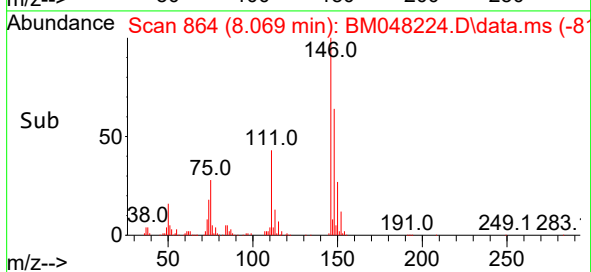
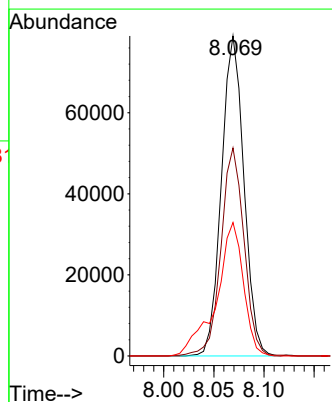
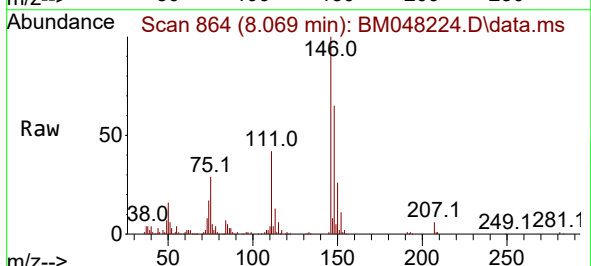
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

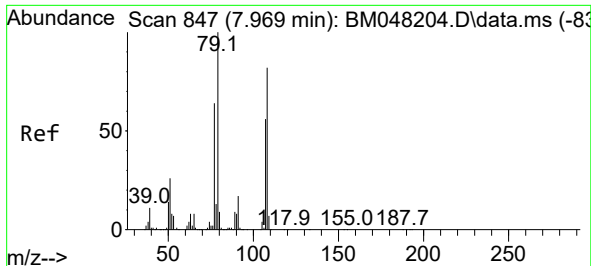
Tgt Ion:146 Resp: 127418
Ion Ratio Lower Upper
146 100
148 62.4 51.7 77.5
111 38.2 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 8.309 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:146 Resp: 122801
Ion Ratio Lower Upper
146 100
148 65.0 51.3 76.9
111 41.7 32.7 49.1

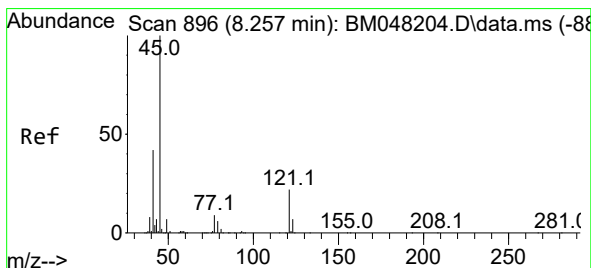
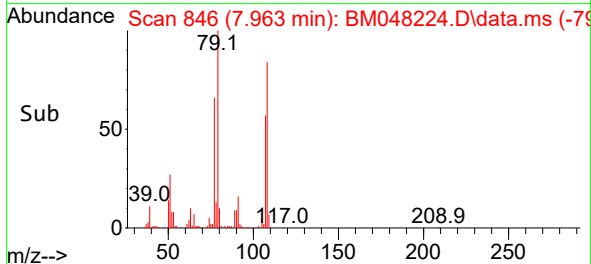
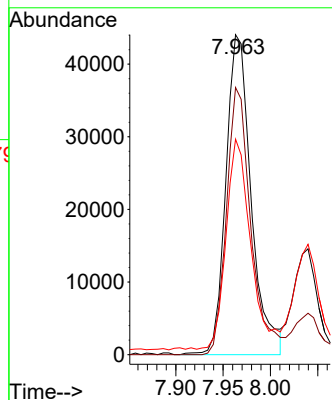
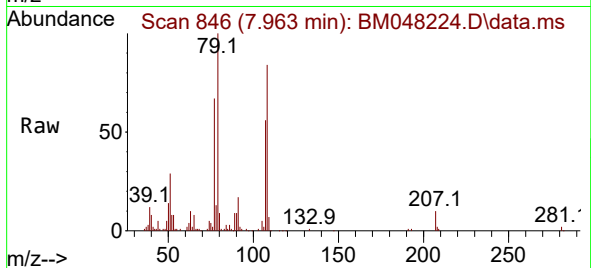




#15
Benzyl Alcohol
Concen: 8.206 ng
RT: 7.963 min Scan# 847
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

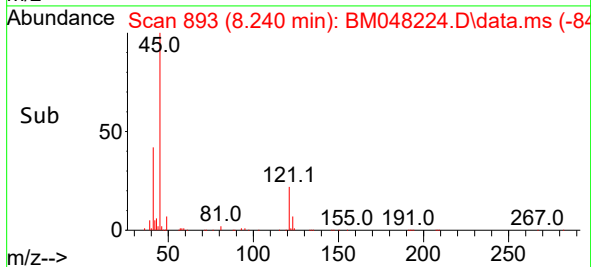
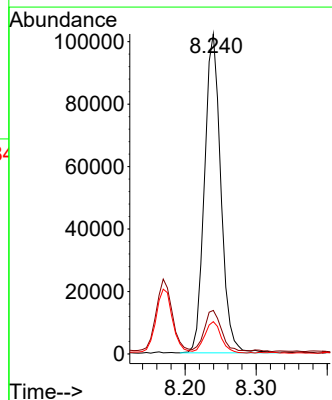
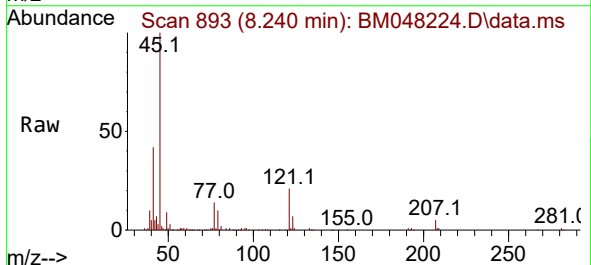
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

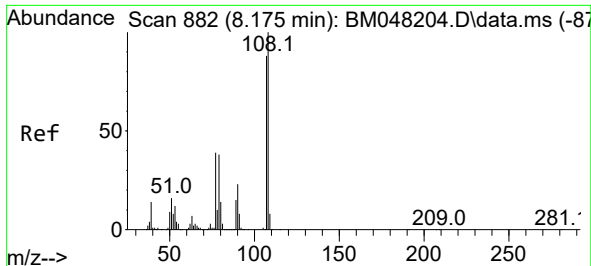
Tgt Ion: 79 Resp: 81941
Ion Ratio Lower Upper
79 100
108 83.5 65.2 97.8
77 67.3 51.4 77.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.909 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 45 Resp: 163447
Ion Ratio Lower Upper
45 100
77 13.6 0.0 34.2
79 10.1 0.0 30.7

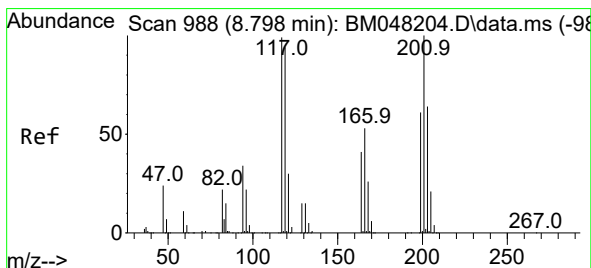
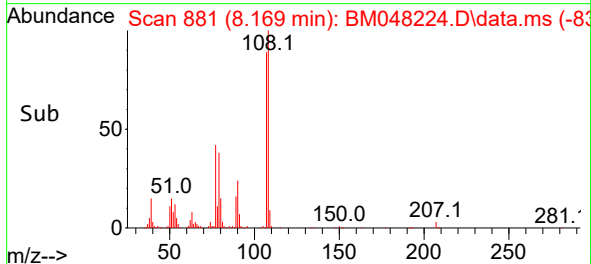
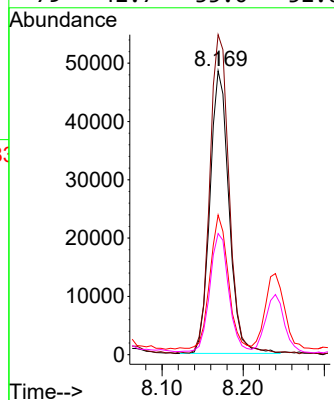
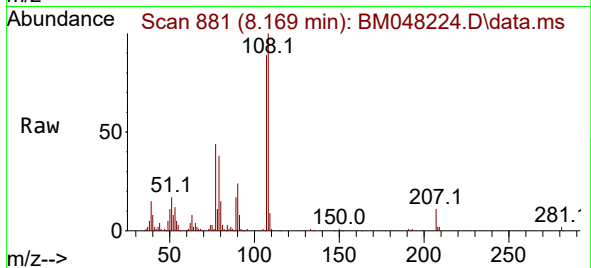




#17
2-Methylphenol
Concen: 7.546 ng
RT: 8.169 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

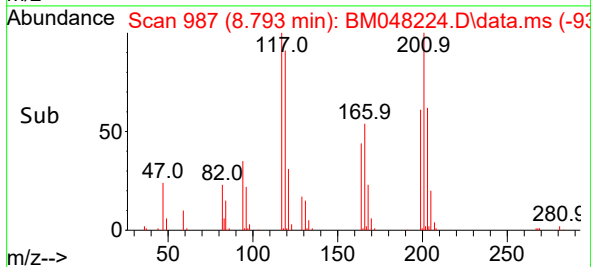
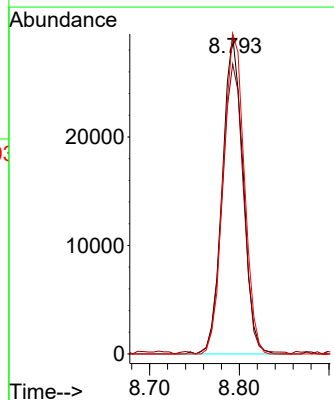
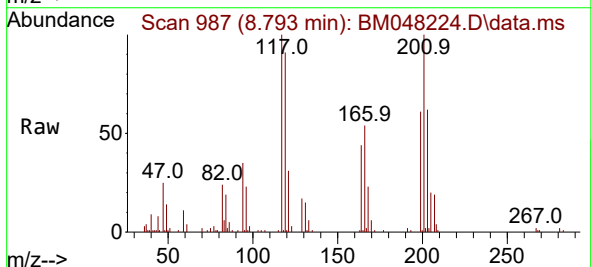
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

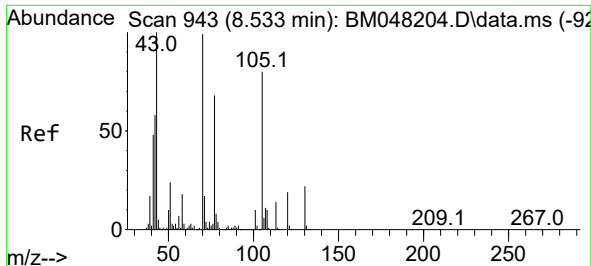
Tgt Ion:	107	Resp:	78960
Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.3	136.9
77	49.2	36.2	54.2
79	42.7	35.0	52.6



#18
Hexachloroethane
Concen: 8.349 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:	117	Resp:	46799
Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.5	114.7
201	100.5	80.9	121.3

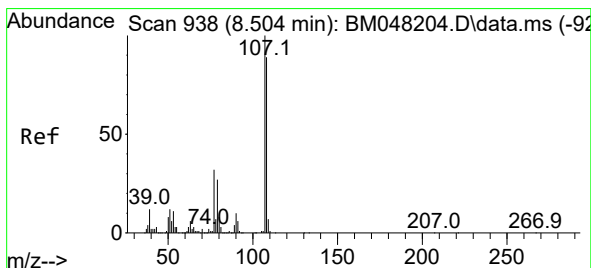
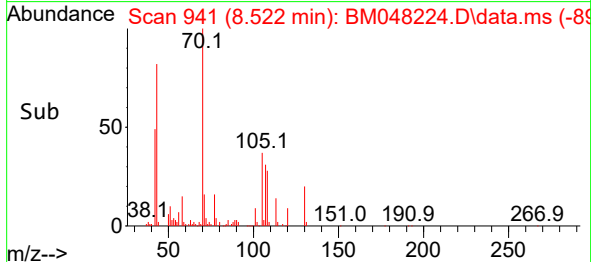
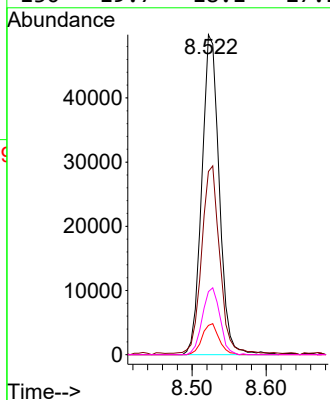
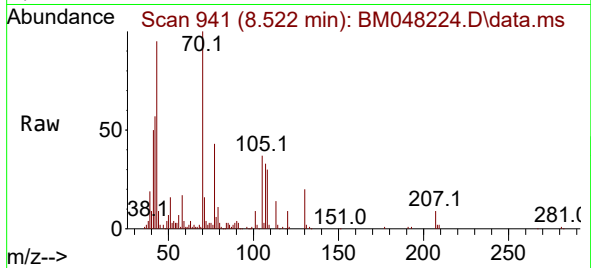




#19
n-Nitroso-di-n-propylamine
Concen: 8.227 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.011 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

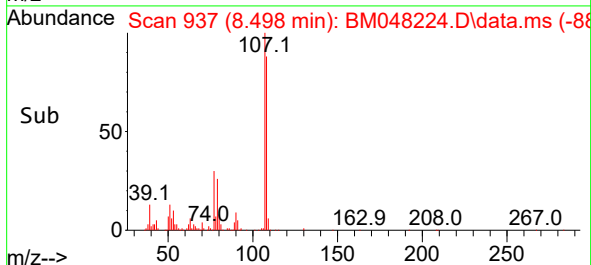
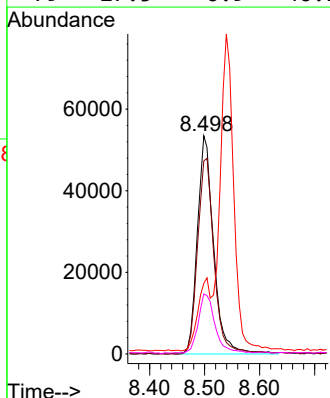
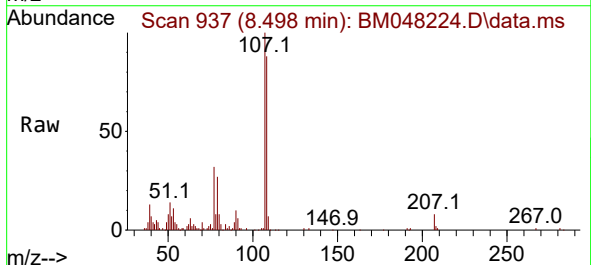
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

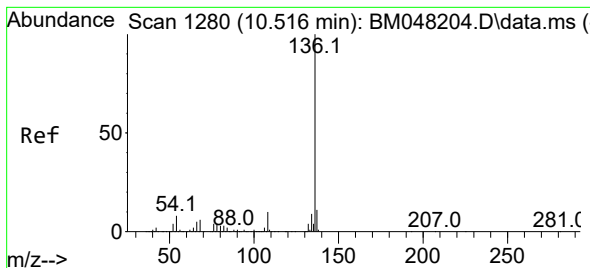
Tgt Ion: 70 Resp: 81468
Ion Ratio Lower Upper
70 100
42 57.3 47.0 70.6
101 9.1 7.8 11.6
130 19.7 18.1 27.1



#20
3+4-Methylphenols
Concen: 7.607 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 107 Resp: 110260
Ion Ratio Lower Upper
107 100
108 88.4 69.0 109.0
77 32.3 12.3 52.3
79 27.5 6.9 46.9

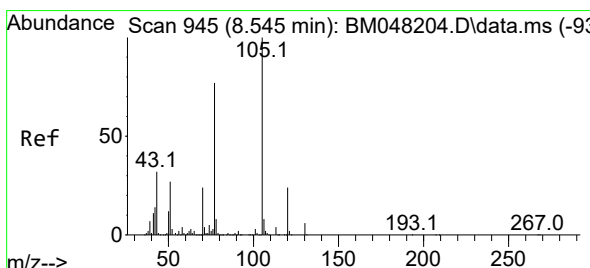
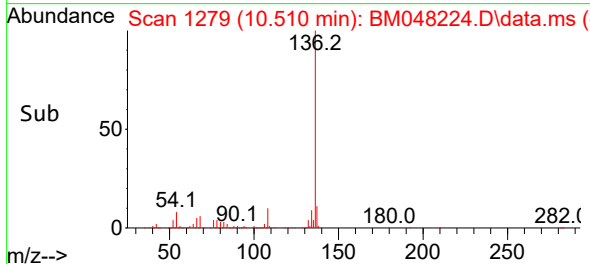
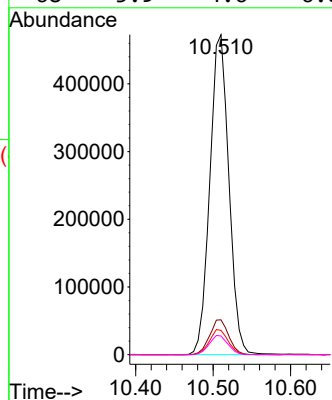
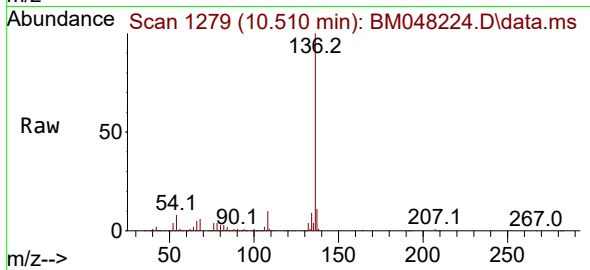




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

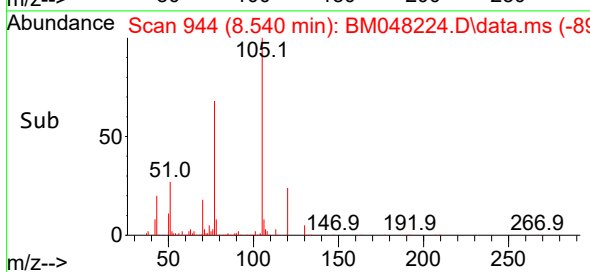
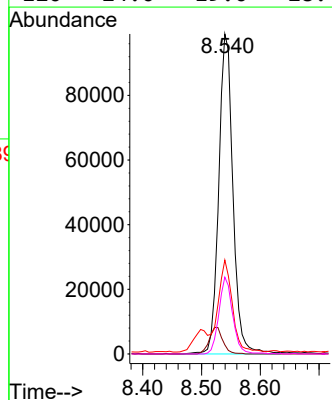
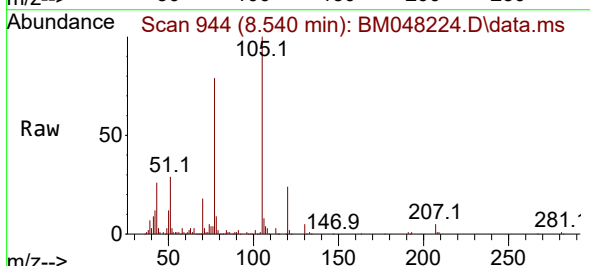
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

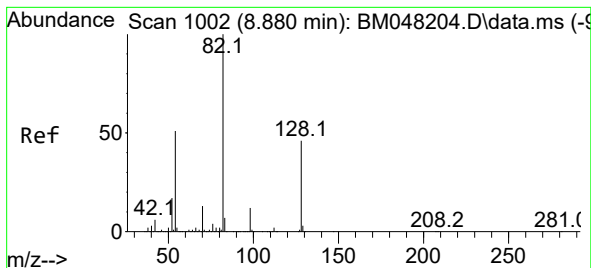
Tgt Ion:136 Resp: 806769
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.5 9.7
68 5.9 4.6 6.8



#22
Acetophenone
Concen: 8.454 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:105 Resp: 166462
Ion Ratio Lower Upper
105 100
71 2.8 3.4 5.0#
51 29.3 21.7 32.5
120 24.0 19.0 28.4





#23

Nitrobenzene-d5

Concen: 91.601 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

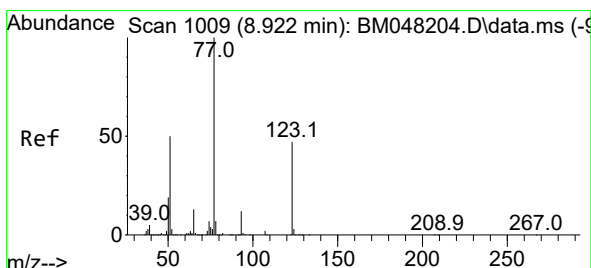
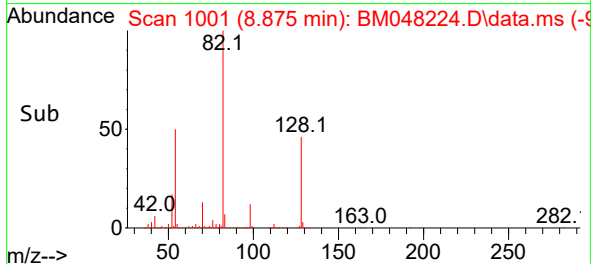
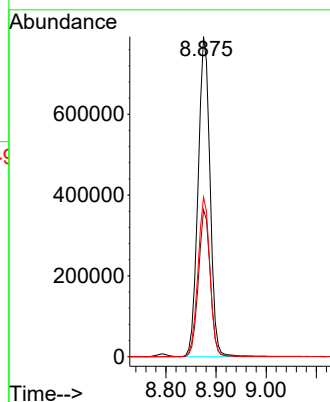
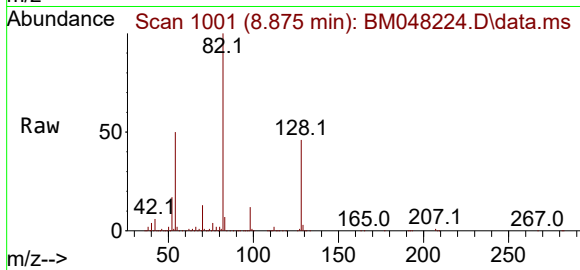
Tgt Ion: 82 Resp: 1308841

Ion Ratio Lower Upper

82 100

128 45.9 36.6 54.8

54 49.8 41.0 61.4



#24

Nitrobenzene

Concen: 8.328 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

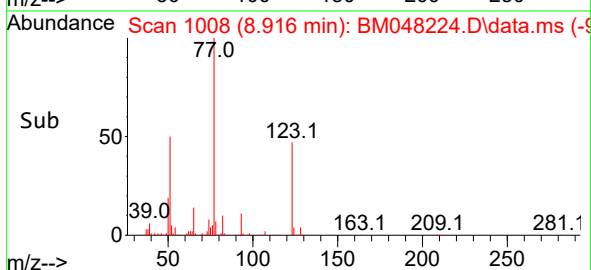
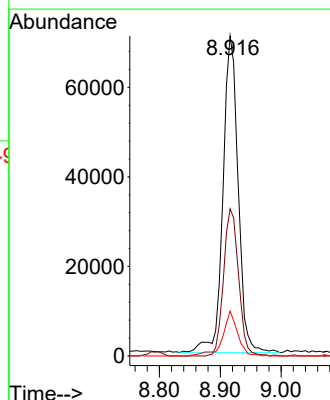
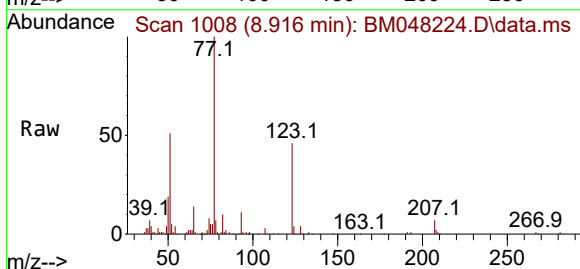
Tgt Ion: 77 Resp: 123294

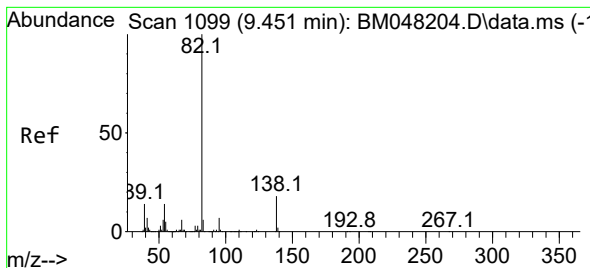
Ion Ratio Lower Upper

77 100

123 46.0 37.8 56.6

65 14.0 10.4 15.6





#25

Isophorone

Concen: 8.047 ng

RT: 9.445 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

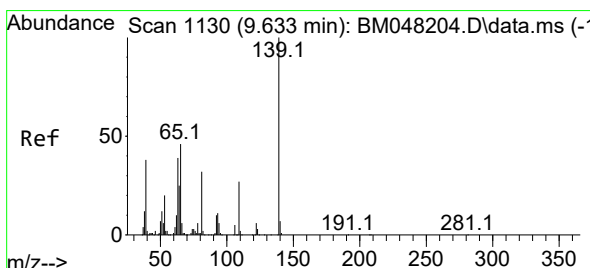
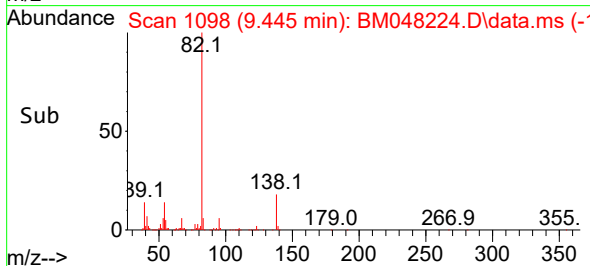
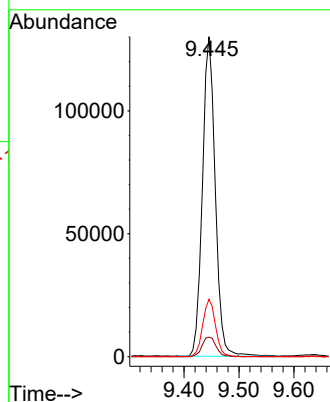
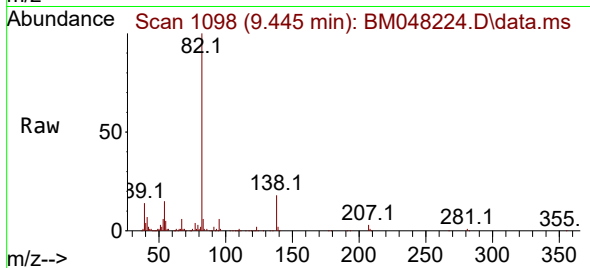
Tgt Ion: 82 Resp: 210746

Ion Ratio Lower Upper

82 100

95 6.1 5.3 7.9

138 17.9 14.3 21.5



#26

2-Nitrophenol

Concen: 7.377 ng

RT: 9.628 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

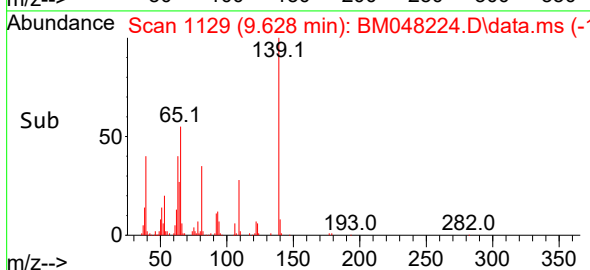
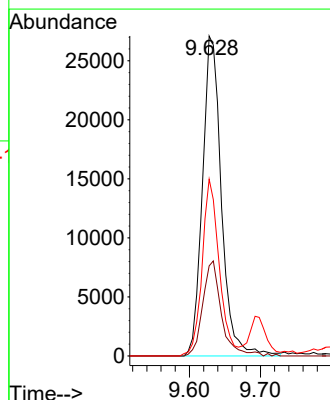
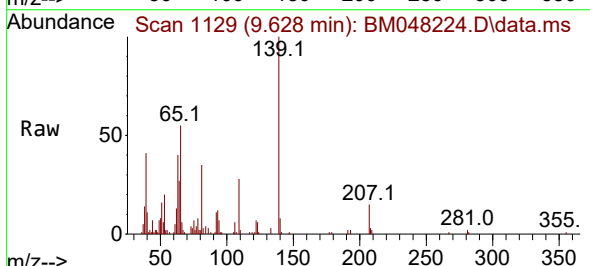
Tgt Ion: 139 Resp: 50429

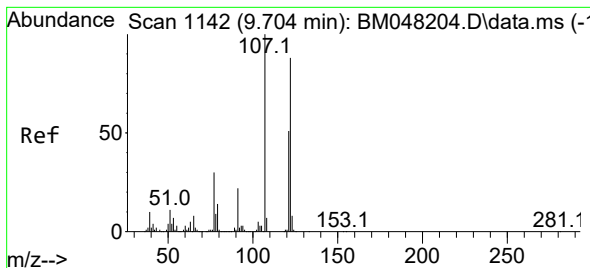
Ion Ratio Lower Upper

139 100

109 28.2 21.2 31.8

65 55.2 36.8 55.2#

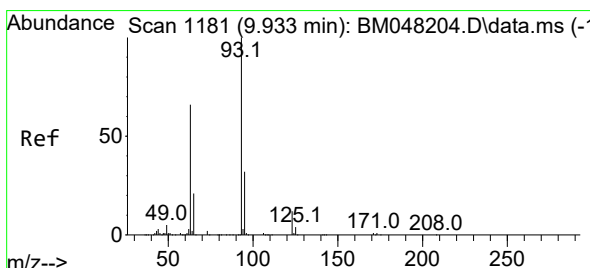
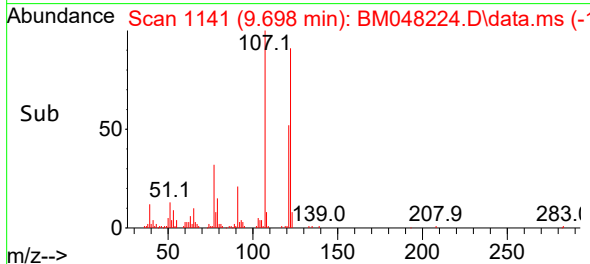
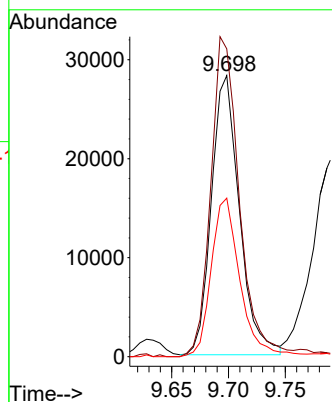
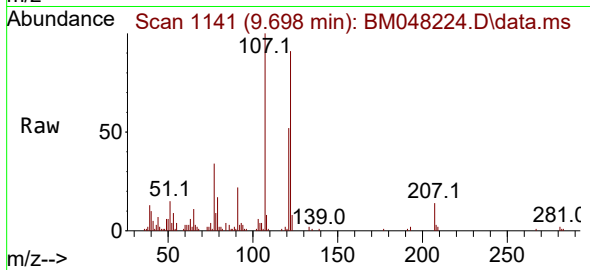




#27
2,4-Dimethylphenol
Concen: 5.839 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

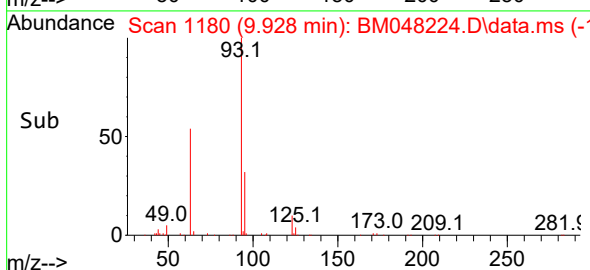
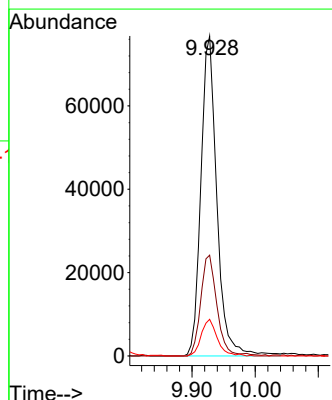
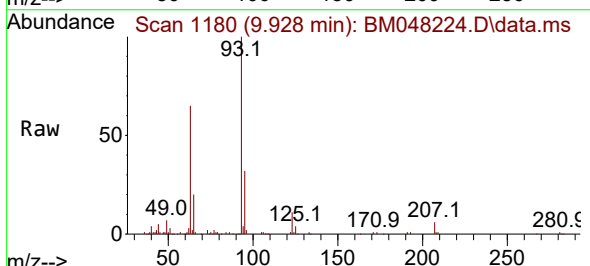
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

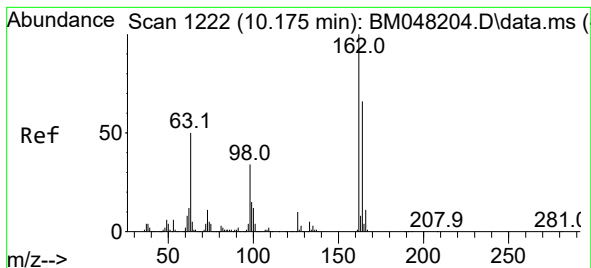
Tgt Ion:122 Resp: 48425
Ion Ratio Lower Upper
122 100
107 109.5 91.0 136.6
121 56.4 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 8.128 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 93 Resp: 134714
Ion Ratio Lower Upper
93 100
95 31.5 25.3 37.9
123 11.5 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 7.868 ng

RT: 10.175 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

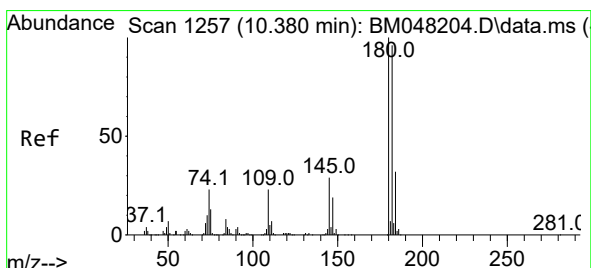
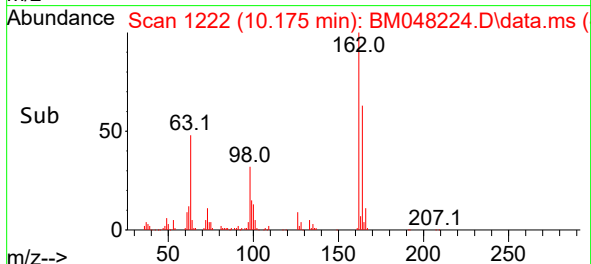
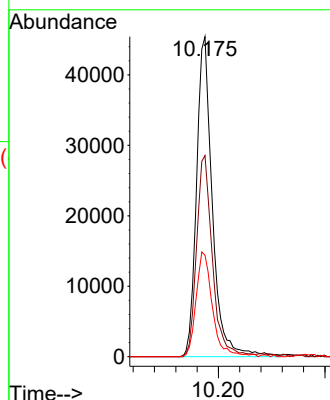
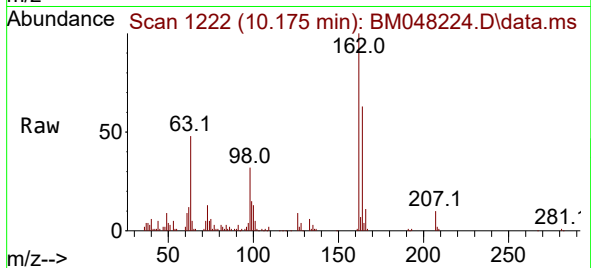
Tgt Ion:162 Resp: 93862

Ion Ratio Lower Upper

162 100

164 62.8 46.0 86.0

98 31.7 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 7.976 ng

RT: 10.375 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

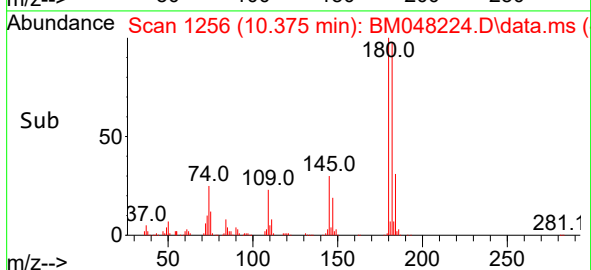
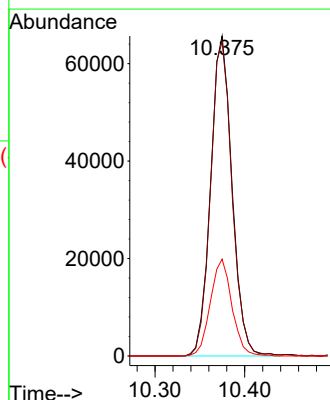
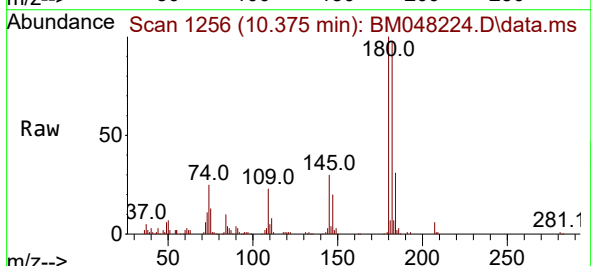
Tgt Ion:180 Resp: 108976

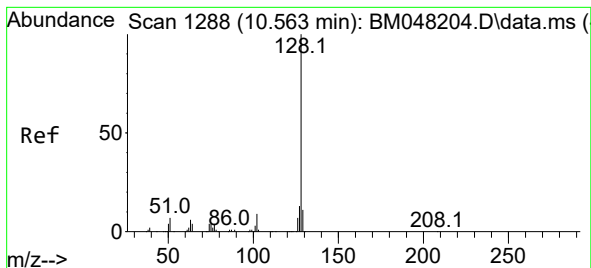
Ion Ratio Lower Upper

180 100

182 98.2 76.6 115.0

145 30.2 23.4 35.2





#31

Naphthalene

Concen: 8.192 ng

RT: 10.557 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

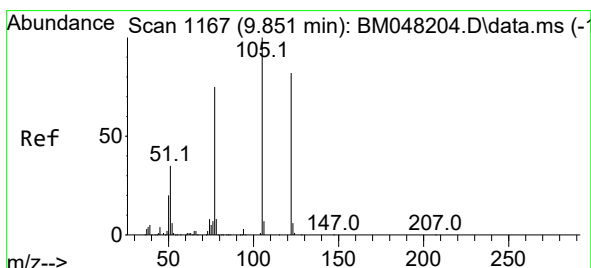
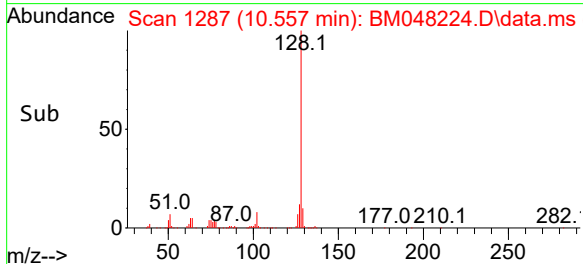
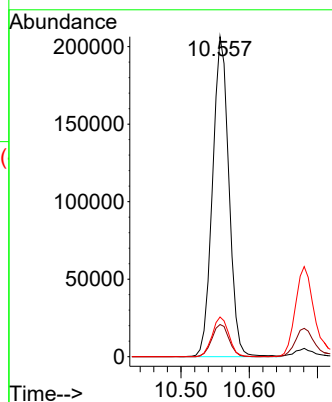
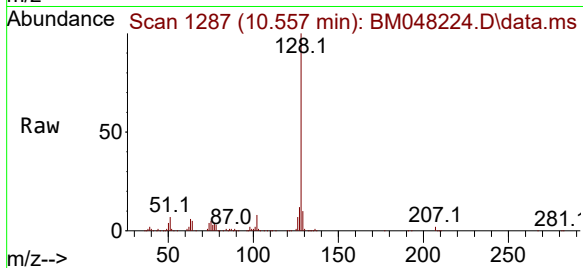
Tgt Ion:128 Resp: 344719

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

127 12.4 10.2 15.2



#32

Benzoic acid

Concen: 4.475 ng

RT: 9.792 min Scan# 1157

Delta R.T. -0.059 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

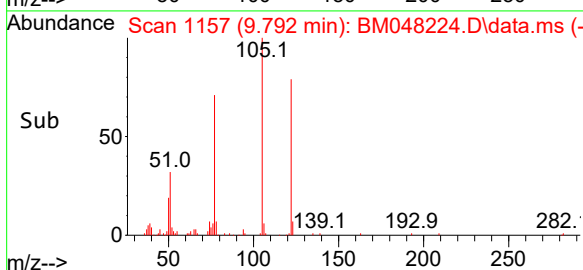
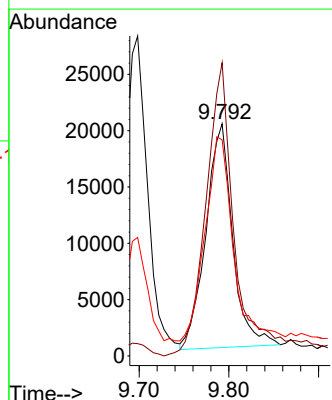
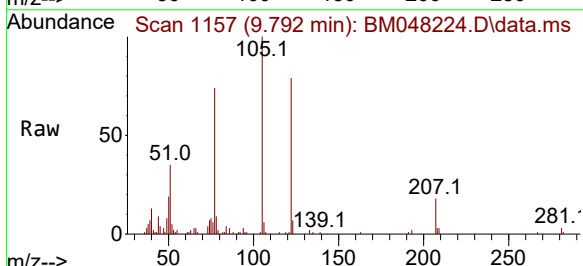
Tgt Ion:122 Resp: 41311

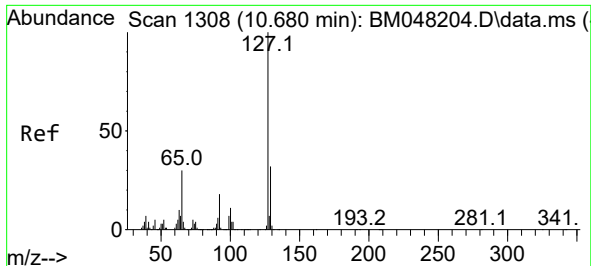
Ion Ratio Lower Upper

122 100

105 126.3 99.3 139.3

77 93.1 70.4 110.4

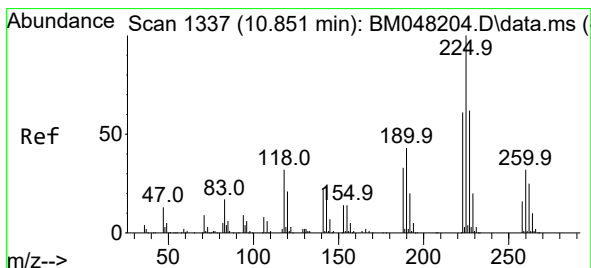
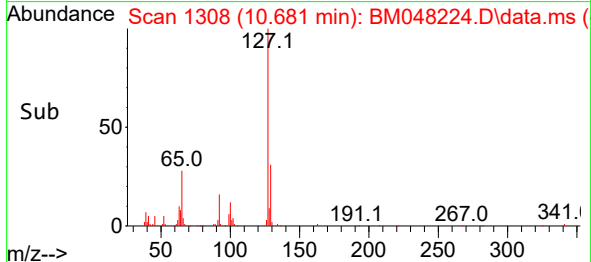
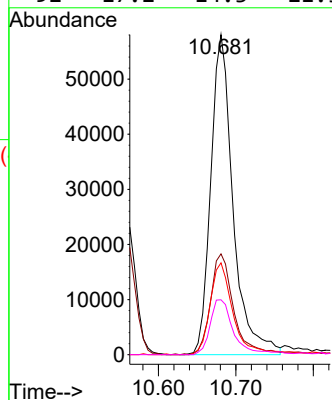
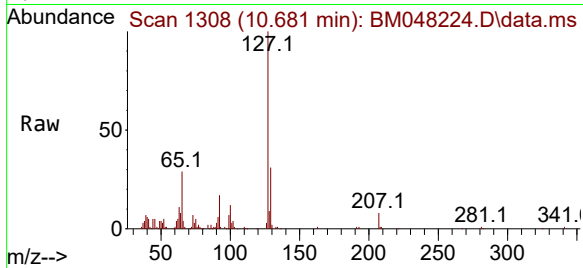




#33
4-Chloroaniline
Concen: 8.496 ng
RT: 10.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

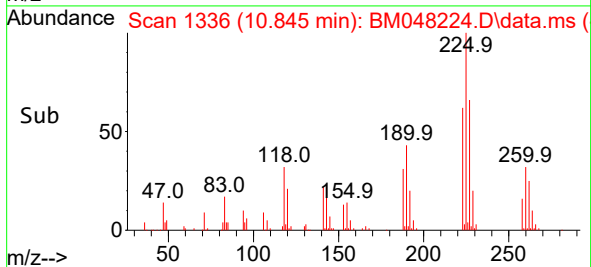
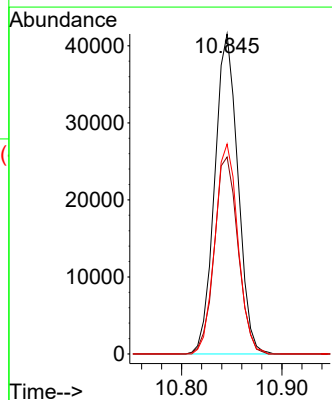
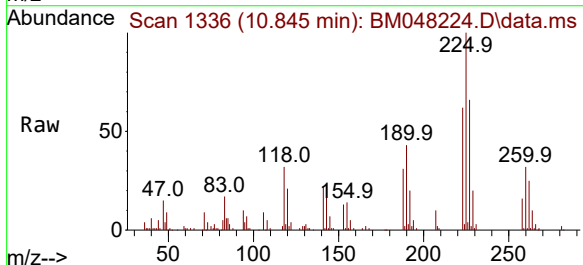
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

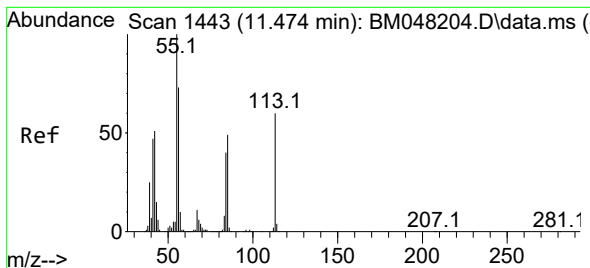
Tgt Ion:	127	Resp:	115949
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.6
65	28.7	23.7	35.5
92	17.2	14.3	21.5



#34
Hexachlorobutadiene
Concen: 7.880 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:	225	Resp:	66730
Ion	Ratio	Lower	Upper
225	100		
223	61.5	48.6	73.0
227	65.6	49.6	74.4

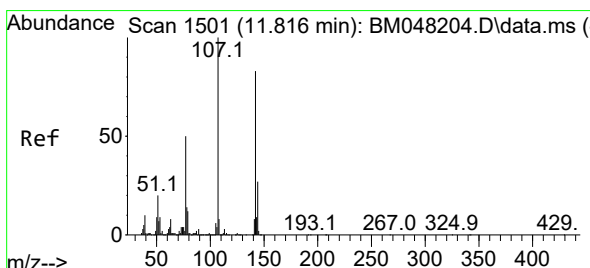
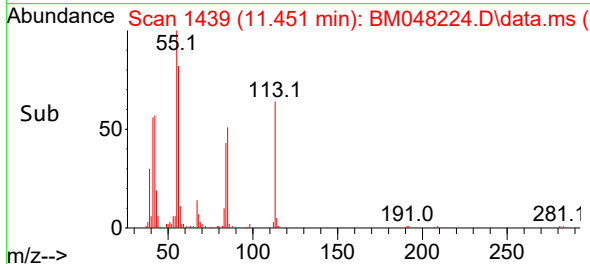
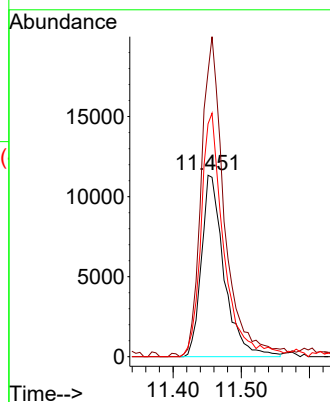
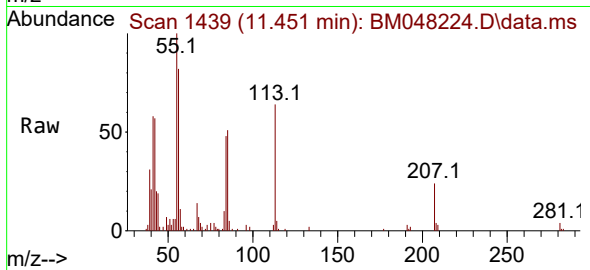




#35
Caprolactam
Concen: 6.758 ng
RT: 11.451 min Scan# 1443
Delta R.T. -0.023 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

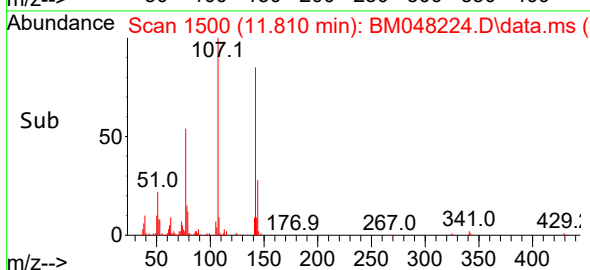
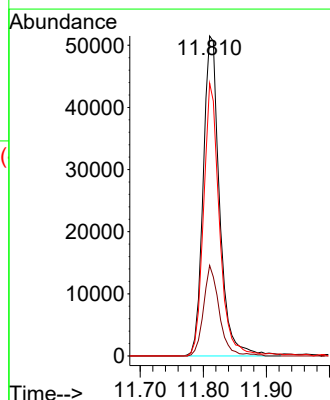
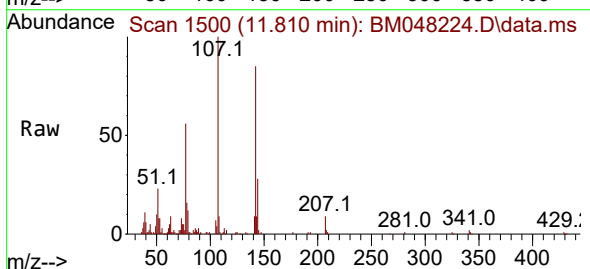
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

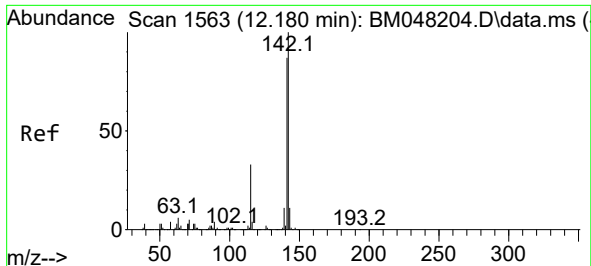
Tgt Ion:113 Resp: 26188
Ion Ratio Lower Upper
113 100
55 156.8 146.1 186.1
56 128.3 101.9 141.9



#36
4-Chloro-3-methylphenol
Concen: 7.498 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:107 Resp: 93377
Ion Ratio Lower Upper
107 100
144 28.3 21.5 32.3
142 85.2 66.8 100.2





#37

2-Methylnaphthalene

Concen: 8.024 ng

RT: 12.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

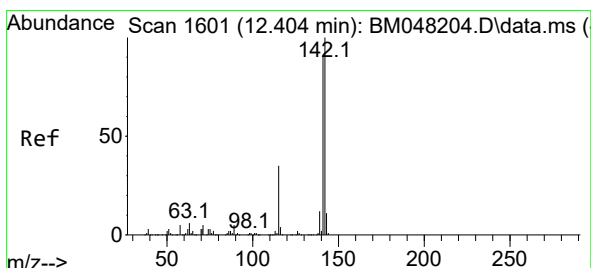
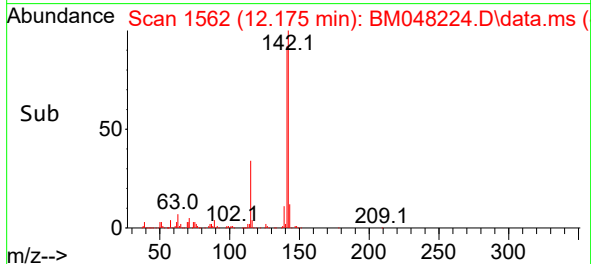
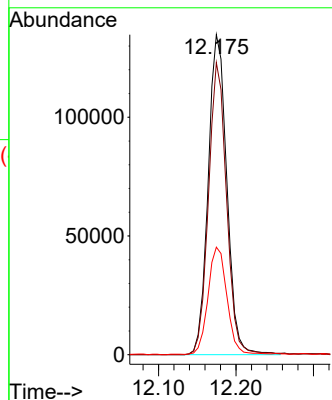
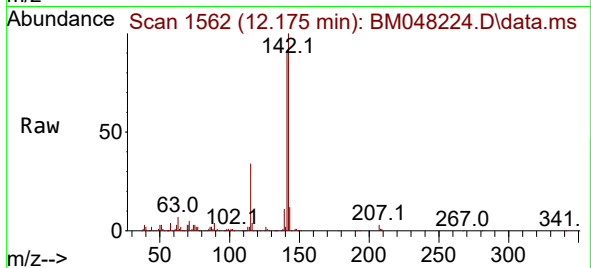
Tgt Ion:142 Resp: 225581

Ion Ratio Lower Upper

142 100

141 91.2 69.8 104.6

115 33.6 26.3 39.5



#38

1-Methylnaphthalene

Concen: 7.623 ng

RT: 12.398 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

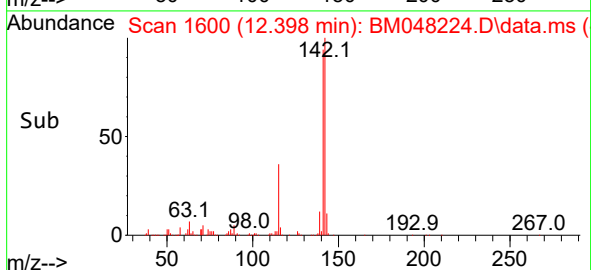
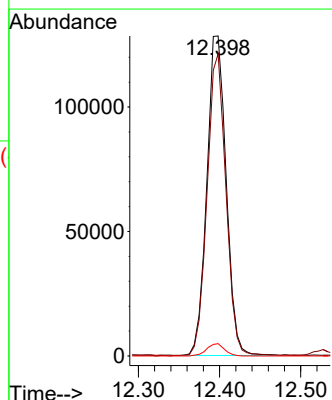
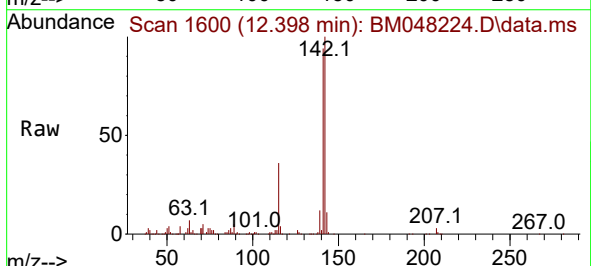
Tgt Ion:142 Resp: 212516

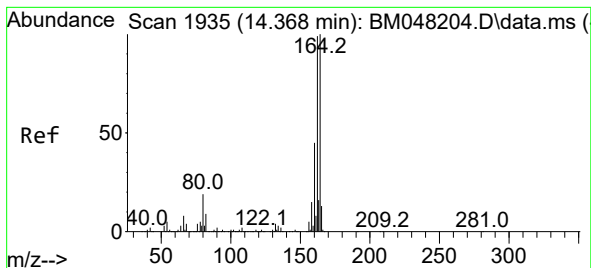
Ion Ratio Lower Upper

142 100

141 94.4 72.7 109.1

116 3.9 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

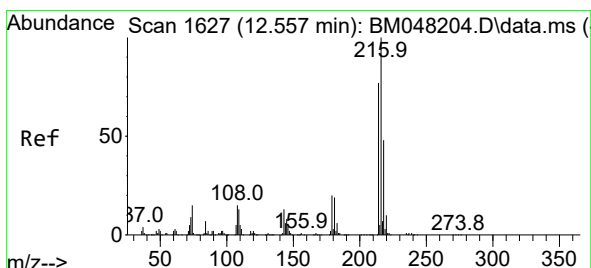
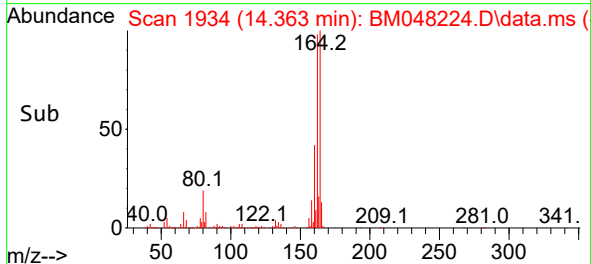
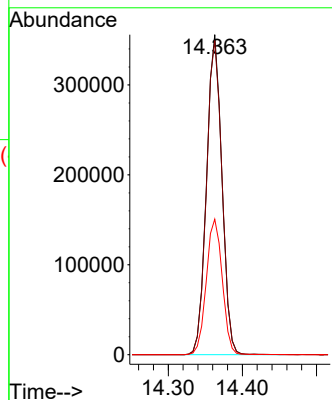
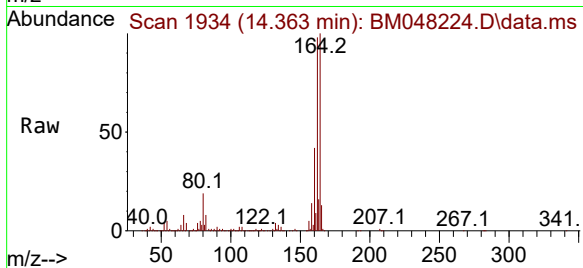
Tgt Ion:164 Resp: 512127

Ion Ratio Lower Upper

164 100

162 98.2 79.1 118.7

160 42.4 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.341 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Tgt Ion:216 Resp: 122086

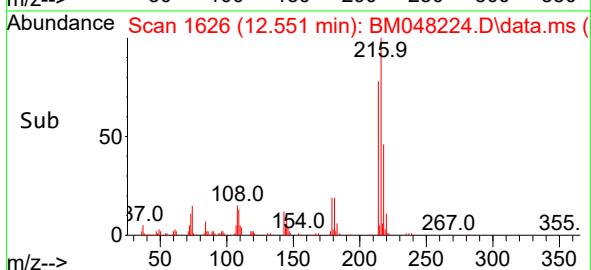
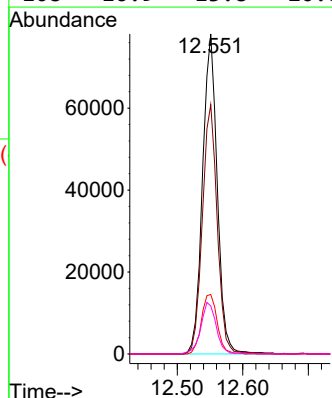
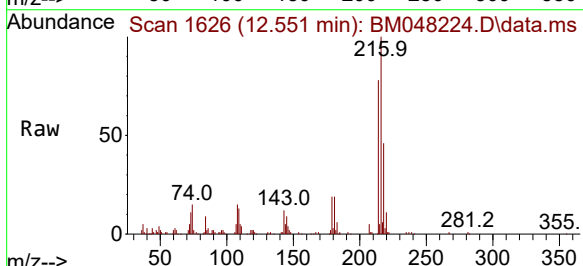
Ion Ratio Lower Upper

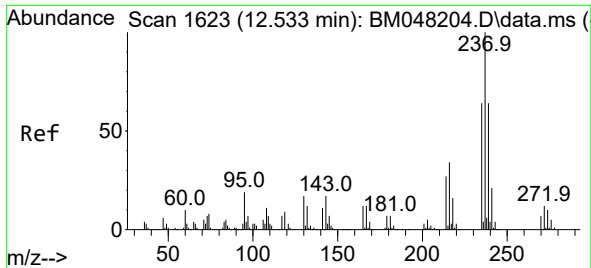
216 100

214 78.6 62.2 93.2

179 20.0 16.0 24.0

108 16.9 13.8 20.8

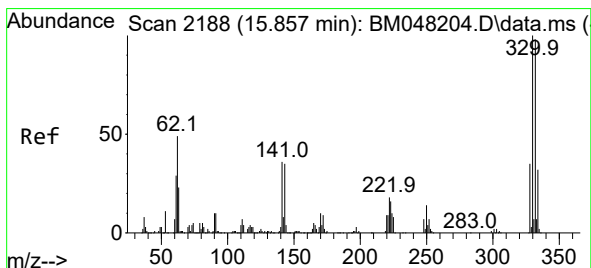
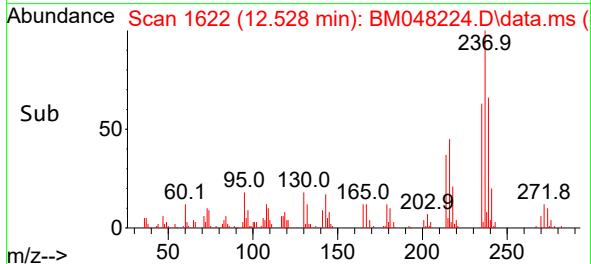
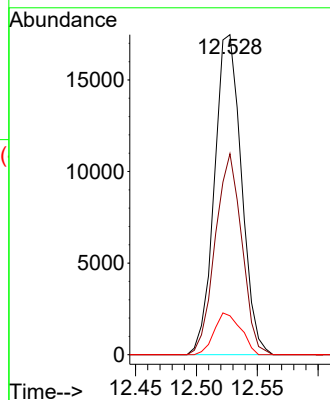
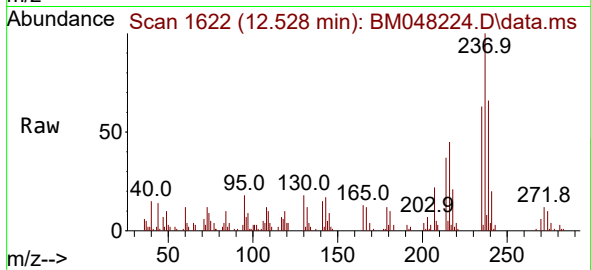




#41
Hexachlorocyclopentadiene
Concen: 5.449 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

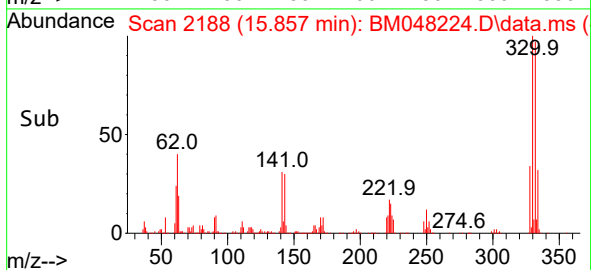
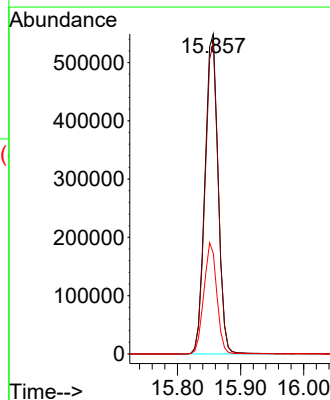
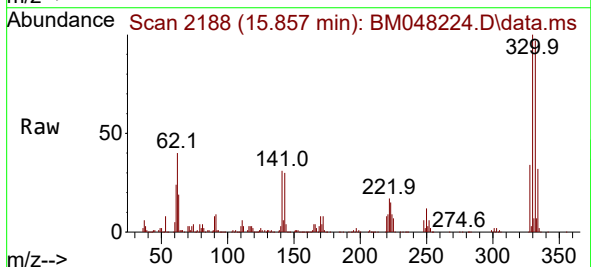
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

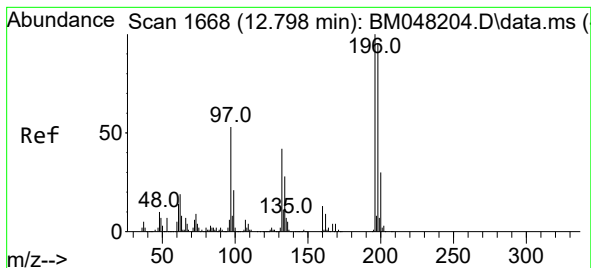
Tgt Ion:237 Resp: 26992
Ion Ratio Lower Upper
237 100
235 62.8 44.2 84.2
272 12.2 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 127.425 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:330 Resp: 798759
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 34.1 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 7.653 ng

RT: 12.798 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

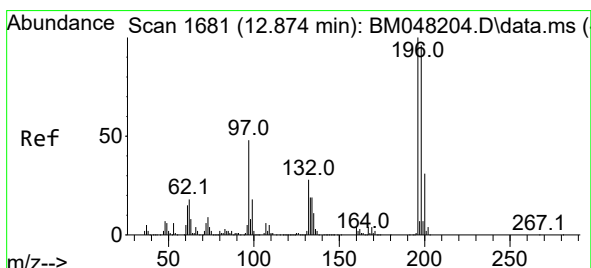
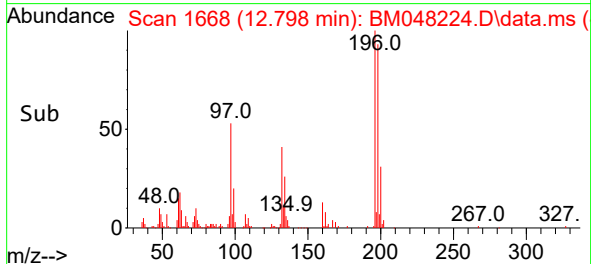
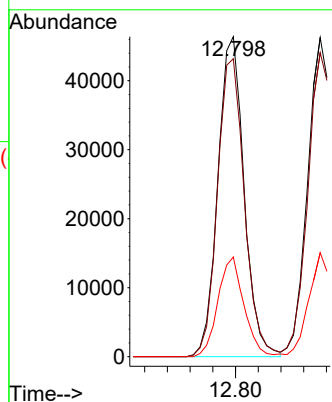
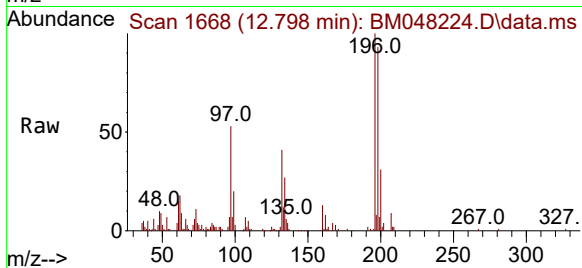
Tgt Ion:196 Resp: 74343

Ion Ratio Lower Upper

196 100

198 93.1 76.2 114.2

200 31.2 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 7.390 ng

RT: 12.875 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Tgt Ion:196 Resp: 80052

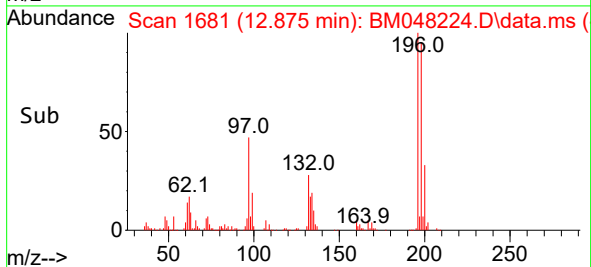
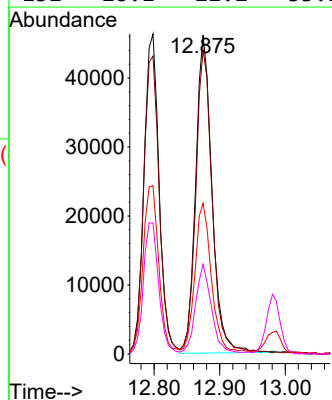
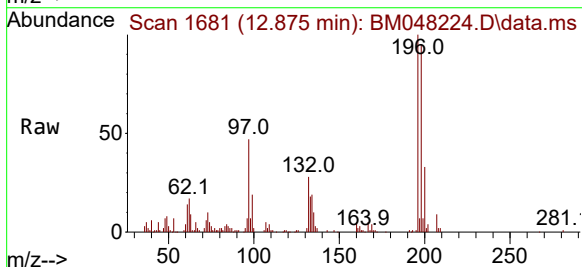
Ion Ratio Lower Upper

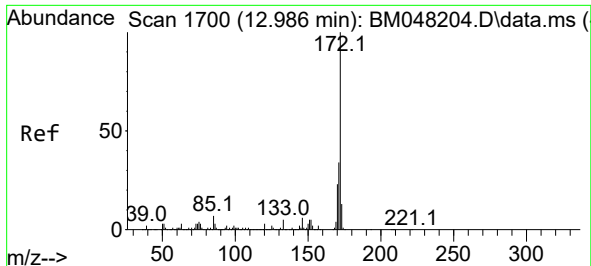
196 100

198 95.3 76.7 115.1

97 47.3 38.5 57.7

132 28.1 22.2 33.2

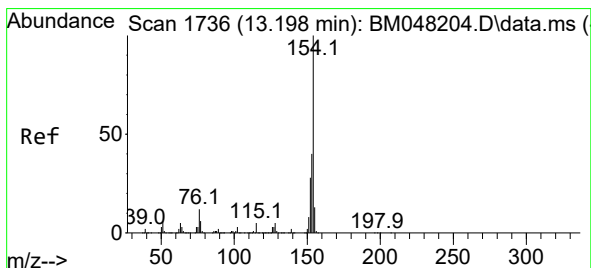
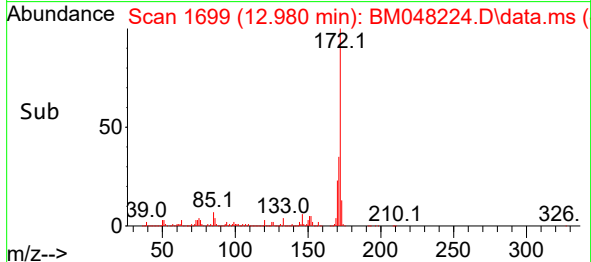
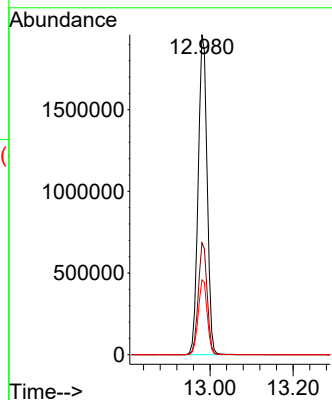
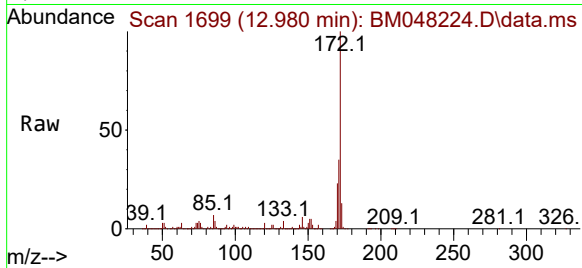




#45
2-Fluorobiphenyl
Concen: 87.785 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

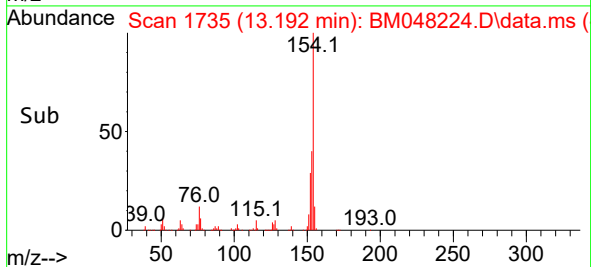
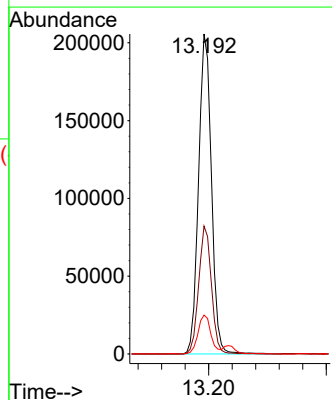
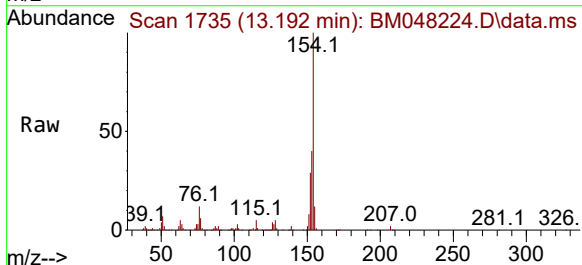
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

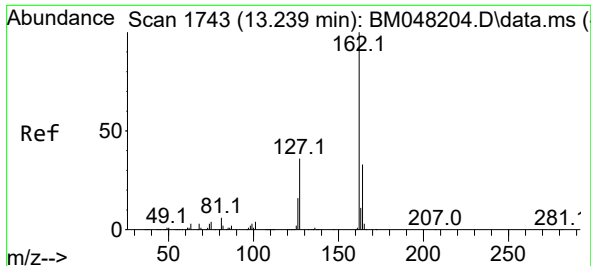
Tgt Ion:172 Resp: 2929776
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 23.4 18.5 27.7



#46
1,1'-Biphenyl
Concen: 8.545 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:154 Resp: 312455
Ion Ratio Lower Upper
154 100
153 39.9 19.9 59.9
76 12.1 0.0 32.4

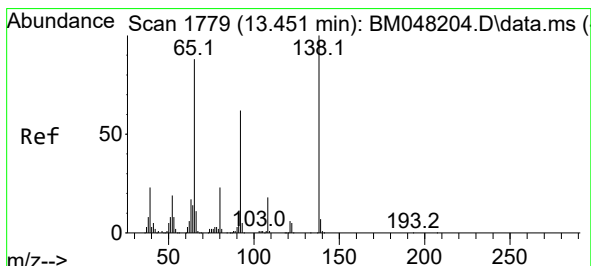
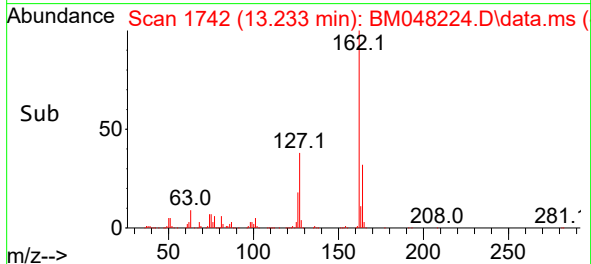
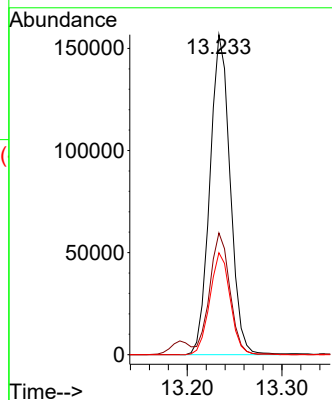
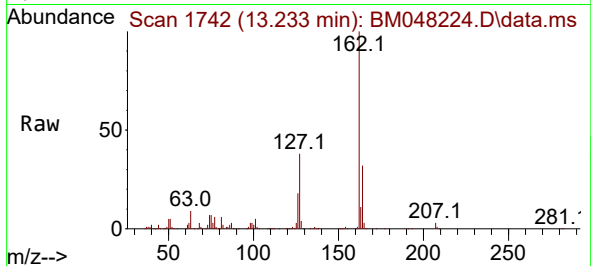




#47
2-Chloronaphthalene
Concen: 8.092 ng
RT: 13.233 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

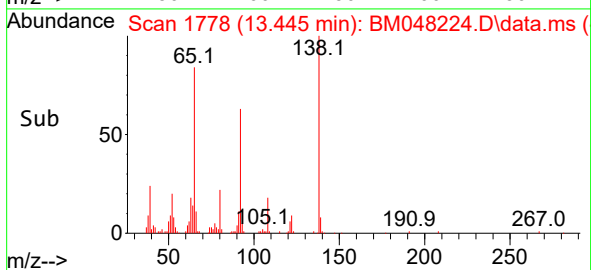
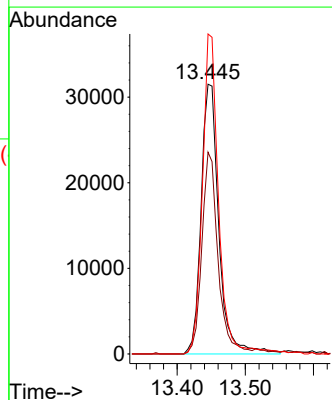
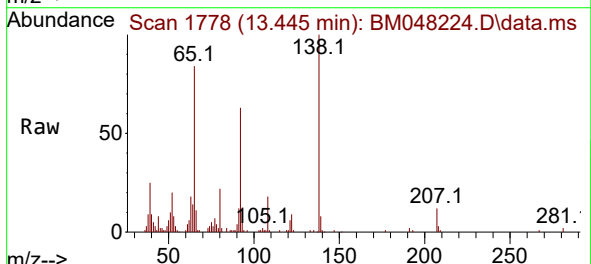
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

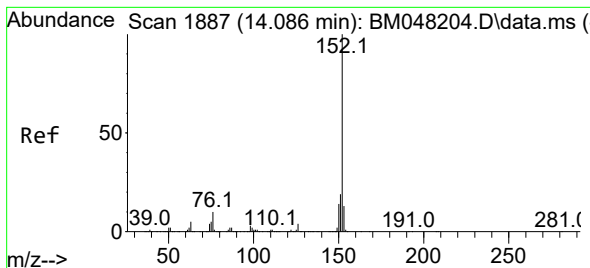
Tgt Ion:162 Resp: 233281
Ion Ratio Lower Upper
162 100
127 38.1 31.0 46.6
164 31.9 26.2 39.4



#48
2-Nitroaniline
Concen: 7.296 ng
RT: 13.445 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion: 65 Resp: 57047
Ion Ratio Lower Upper
65 100
92 74.8 56.0 84.0
138 118.6 90.8 136.2





#49

Acenaphthylene

Concen: 8.636 ng

RT: 14.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM048224.D

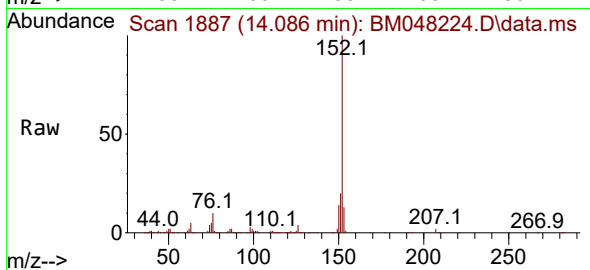
Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



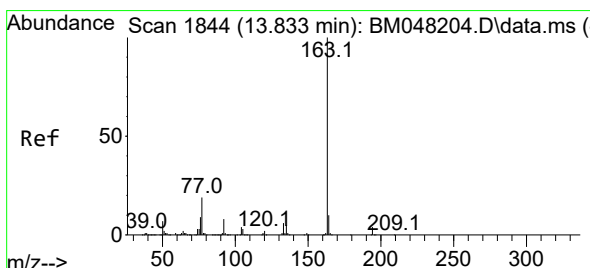
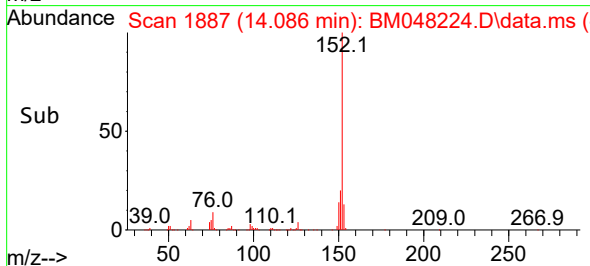
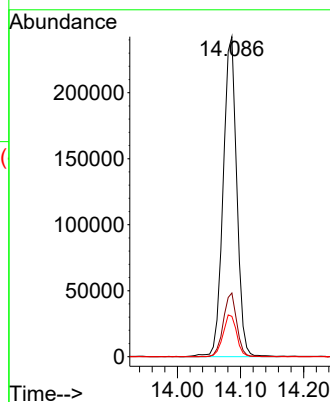
Tgt Ion:152 Resp: 363233

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.2

153 12.6 10.5 15.7



#50

Dimethylphthalate

Concen: 8.088 ng

RT: 13.822 min Scan# 1842

Delta R.T. -0.011 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

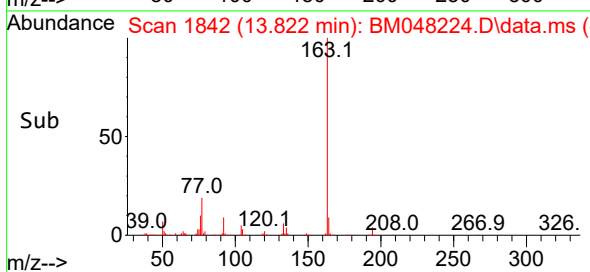
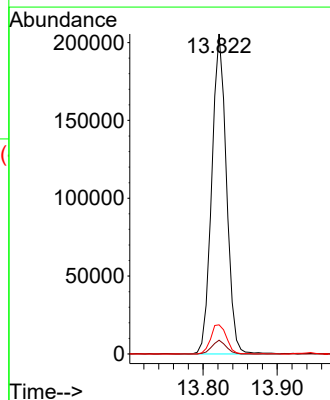
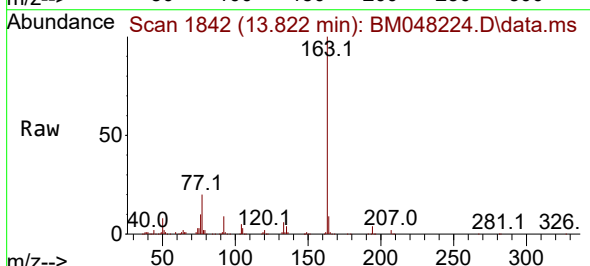
Tgt Ion:163 Resp: 282775

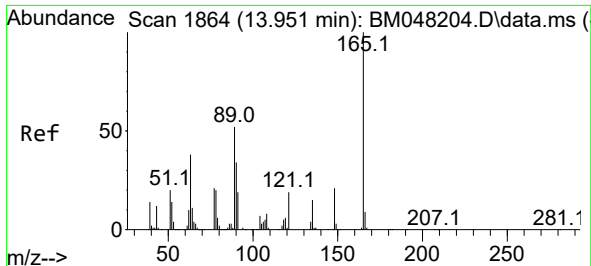
Ion Ratio Lower Upper

163 100

194 4.3 3.1 4.7

164 9.1 7.8 11.6

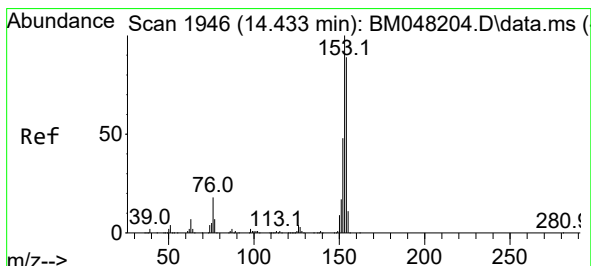
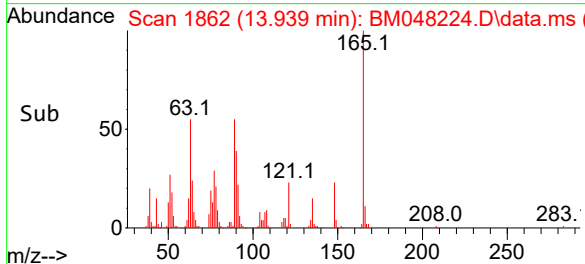
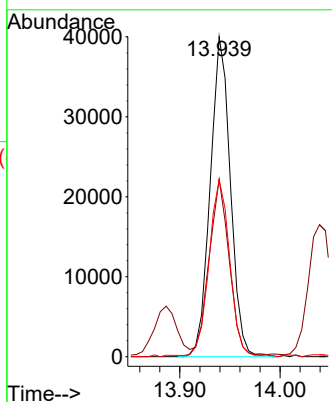
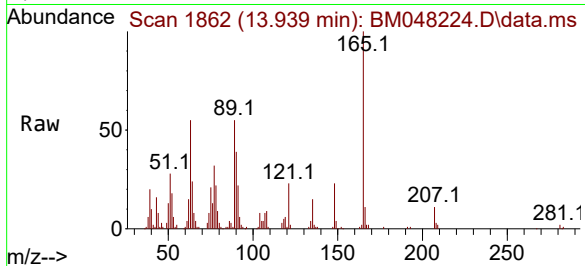




#51
2,6-Dinitrotoluene
Concen: 7.178 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.011 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

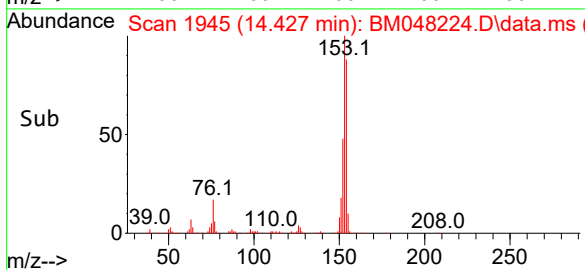
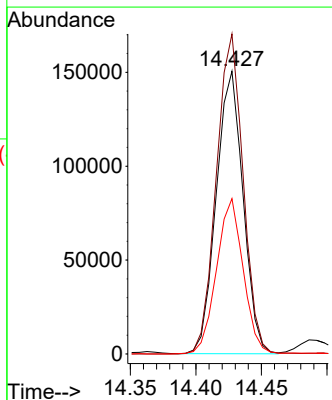
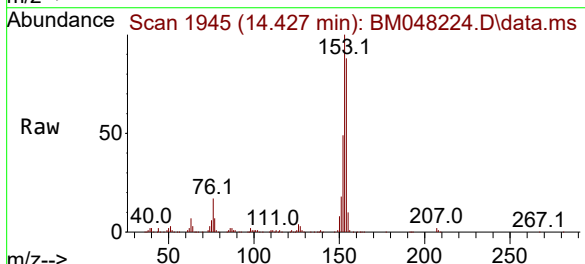
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

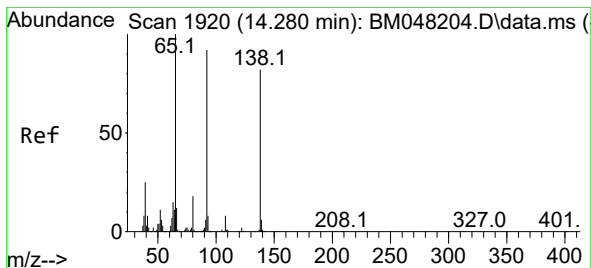
Tgt Ion:165 Resp: 55998
Ion Ratio Lower Upper
165 100
63 55.4 39.5 59.3
89 55.3 41.8 62.6



#52
Acenaphthene
Concen: 8.010 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:154 Resp: 214069
Ion Ratio Lower Upper
154 100
153 113.2 90.4 135.6
152 55.0 43.6 65.4

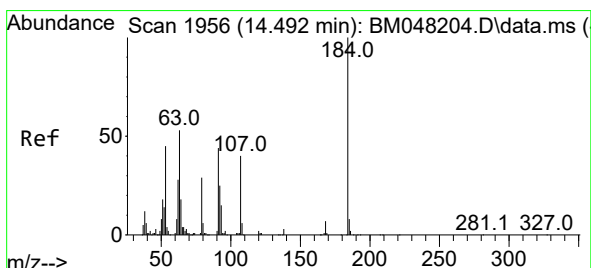
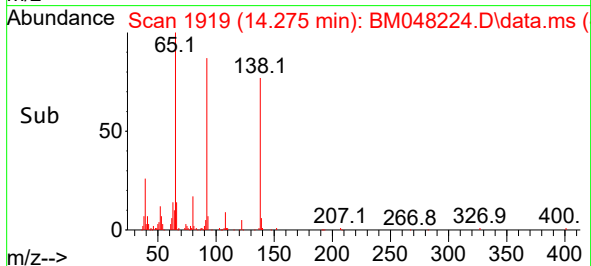
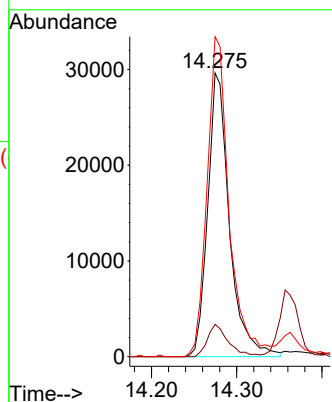
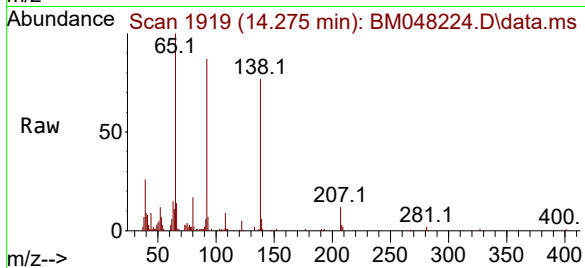




#53
3-Nitroaniline
Concen: 7.118 ng
RT: 14.275 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

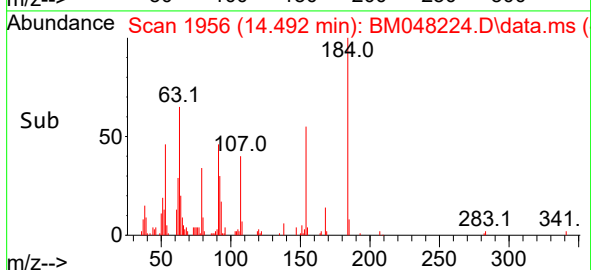
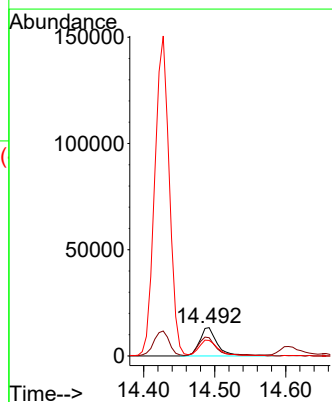
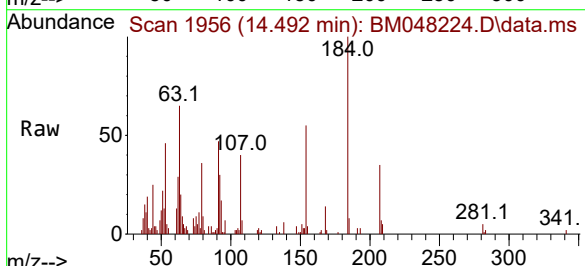
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

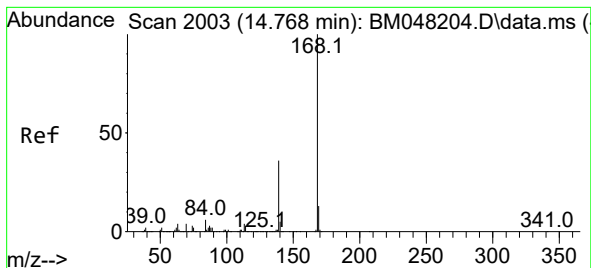
Tgt Ion:138 Resp: 52361
Ion Ratio Lower Upper
138 100
108 11.4 7.5 11.3#
92 112.8 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 5.101 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:184 Resp: 23254
Ion Ratio Lower Upper
184 100
63 64.6 47.2 70.8
154 54.6 46.0 69.0





#55

Dibenzenofuran

Concen: 8.378 ng

RT: 14.763 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

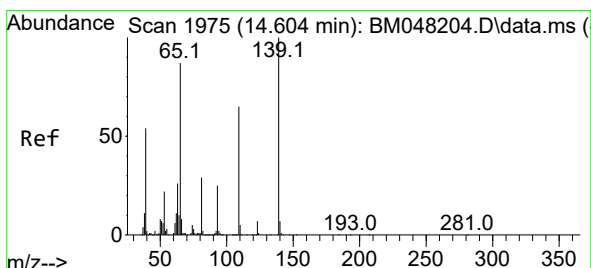
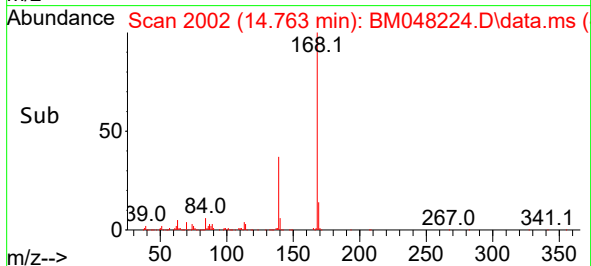
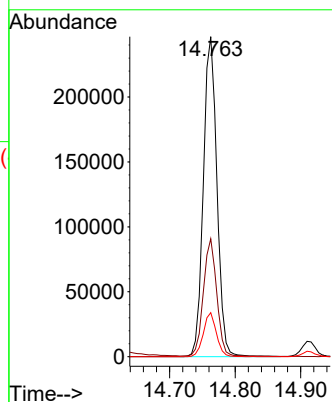
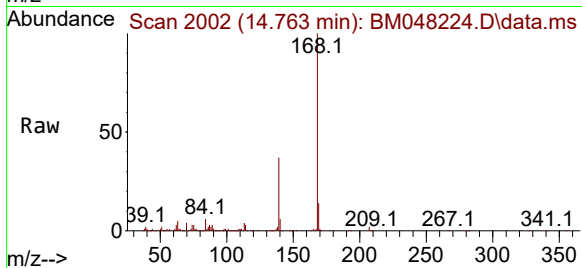
Tgt Ion:168 Resp: 355716

Ion Ratio Lower Upper

168 100

139 36.8 29.0 43.6

169 13.7 10.4 15.6



#56

4-Nitrophenol

Concen: 5.870 ng

RT: 14.604 min Scan# 1975

Delta R.T. -0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

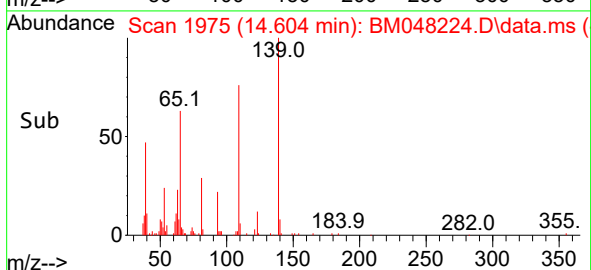
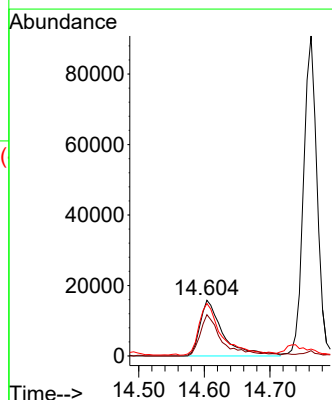
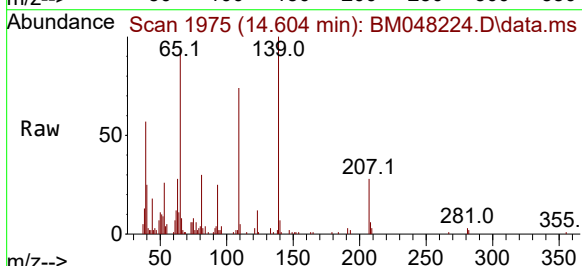
Tgt Ion:139 Resp: 38542

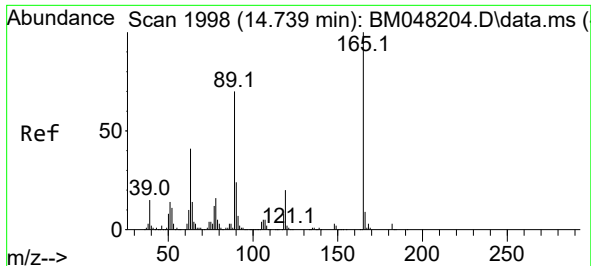
Ion Ratio Lower Upper

139 100

109 74.2 45.4 85.4

65 94.4 67.3 107.3

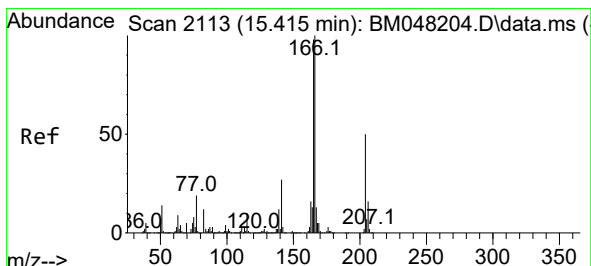
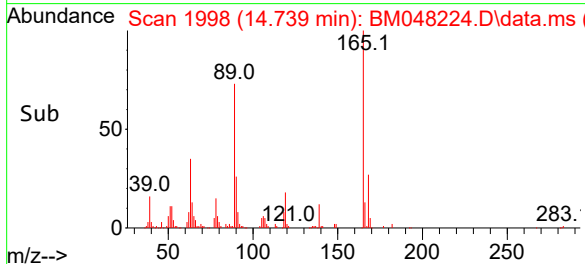
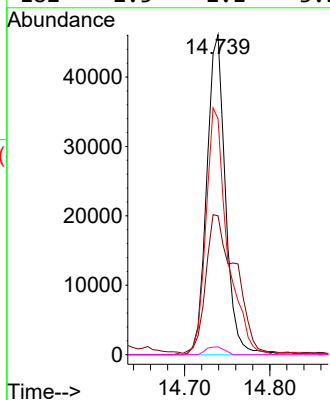
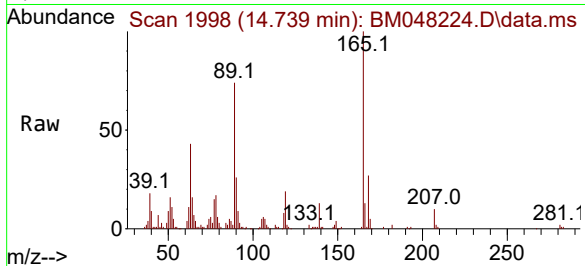




#57
2,4-Dinitrotoluene
Concen: 6.824 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

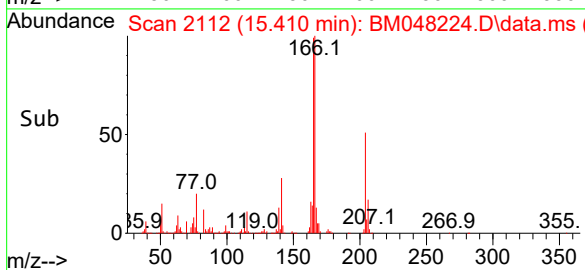
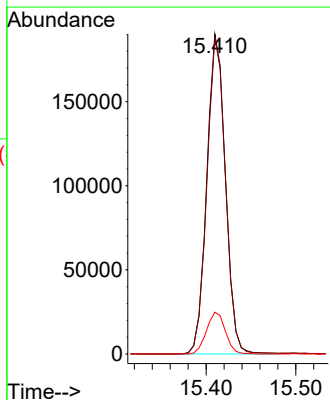
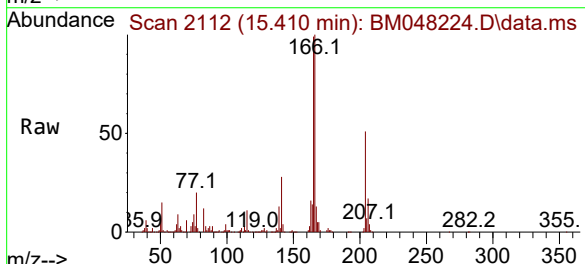
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

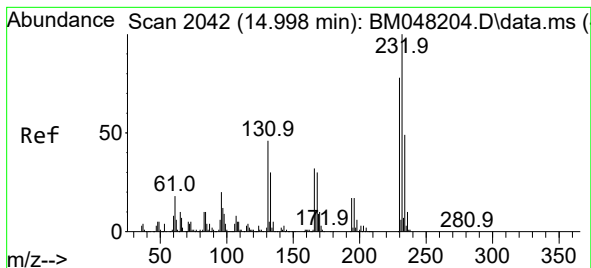
Tgt Ion:	165	Resp:	70294
Ion	Ratio	Lower	Upper
165	100		
63	43.4	33.0	49.4
89	73.7	55.8	83.6
182	2.5	2.1	3.1



#58
Fluorene
Concen: 8.162 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:	166	Resp:	274051
Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.4	117.6
167	13.1	10.8	16.2

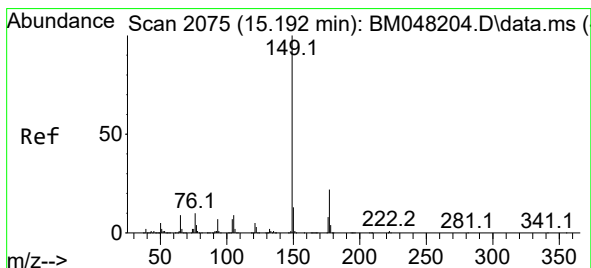
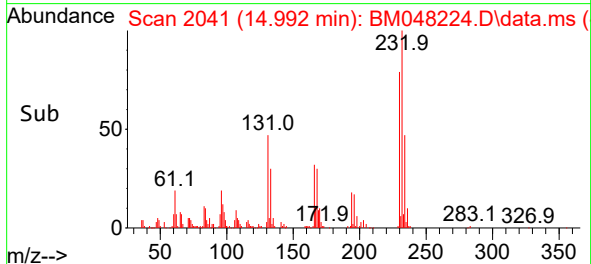
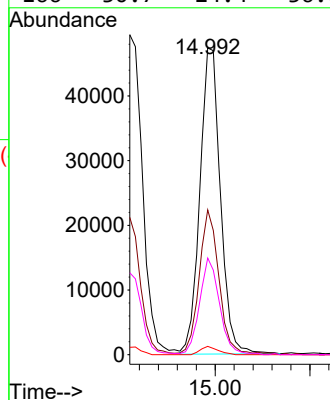
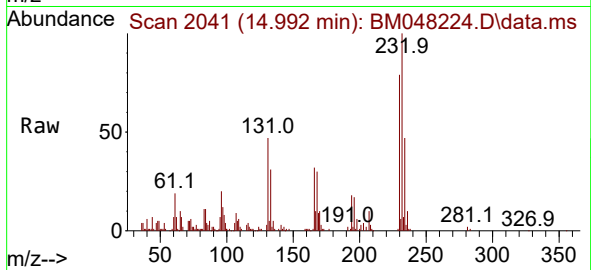




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.937 ng
RT: 14.992 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

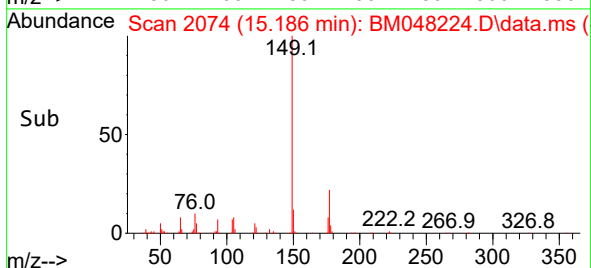
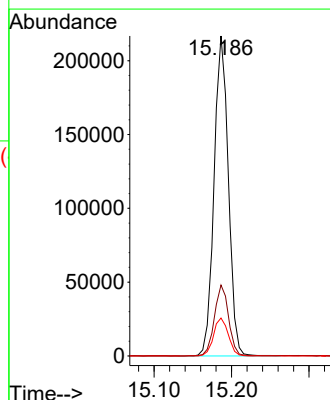
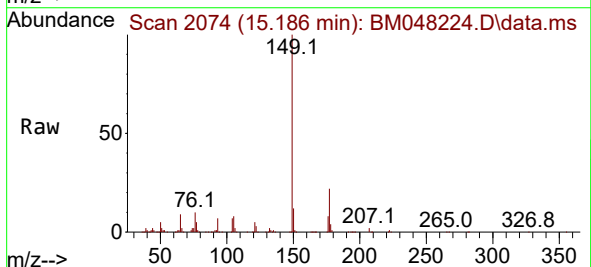
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

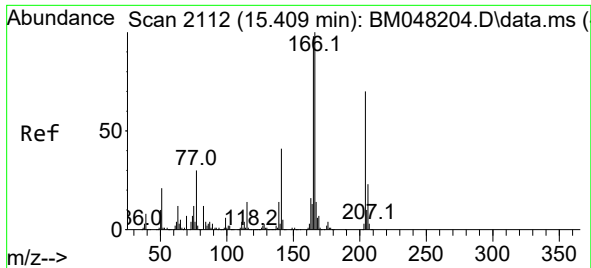
Tgt Ion:232 Resp: 71261
Ion Ratio Lower Upper
232 100
131 46.0 35.5 53.3
130 2.3 1.8 2.6
166 30.7 24.4 36.6



#60
Diethylphthalate
Concen: 7.834 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:149 Resp: 277315
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 11.9 10.1 15.1

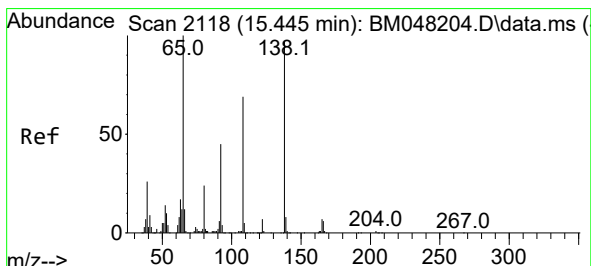
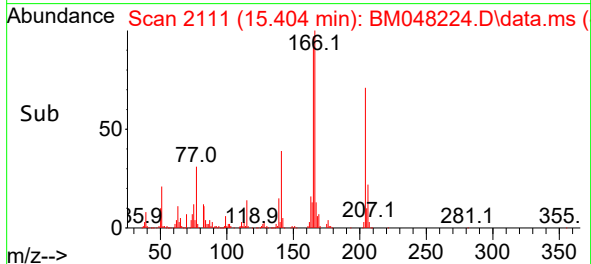
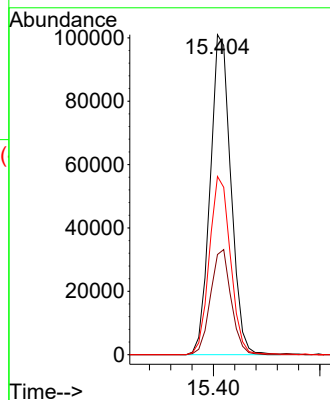
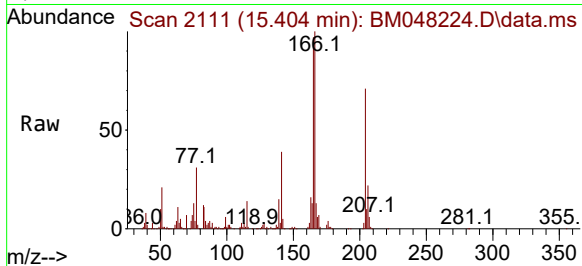




#61
4-Chlorophenyl-phenylether
Concen: 8.123 ng
RT: 15.404 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

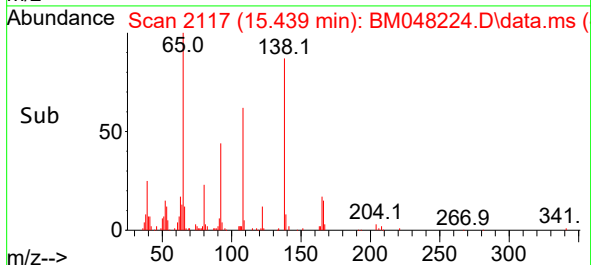
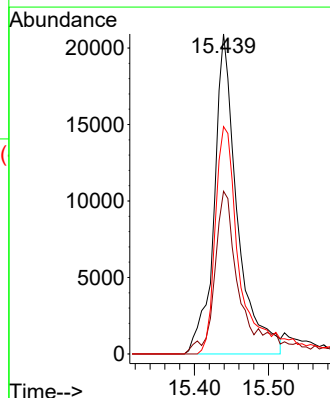
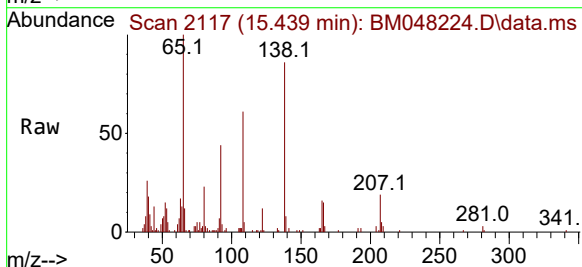
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

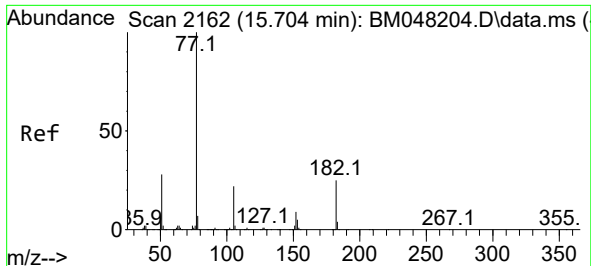
Tgt Ion:204 Resp: 136366
Ion Ratio Lower Upper
204 100
206 31.3 26.2 39.4
141 55.7 47.0 70.6



#62
4-Nitroaniline
Concen: 5.953 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:138 Resp: 45322
Ion Ratio Lower Upper
138 100
92 50.8 26.9 66.9
108 71.1 51.3 91.3

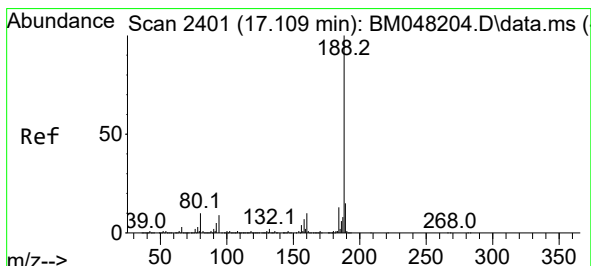
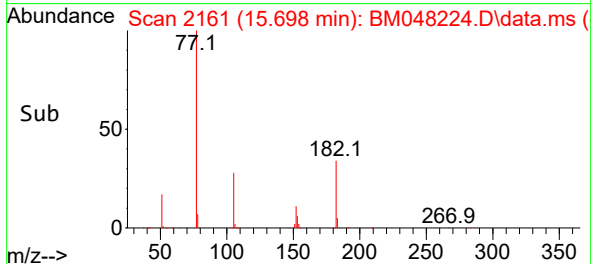
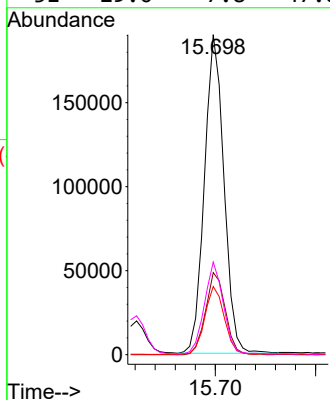
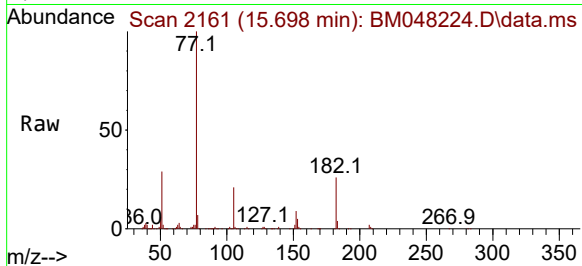




#63
 Azobenzene
 Concen: 8.091 ng
 RT: 15.698 min Scan# 2161
 Delta R.T. -0.006 min
 Lab File: BM048224.D
 Acq: 24 Oct 2024 19:46

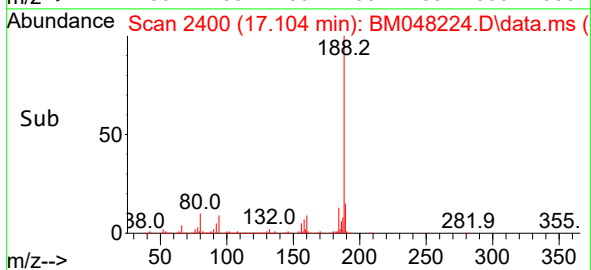
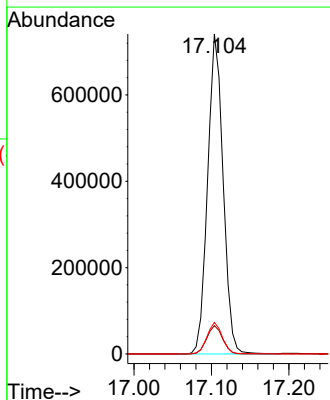
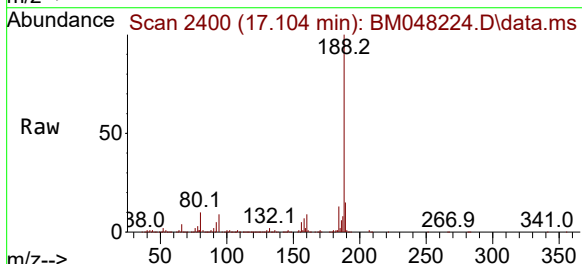
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

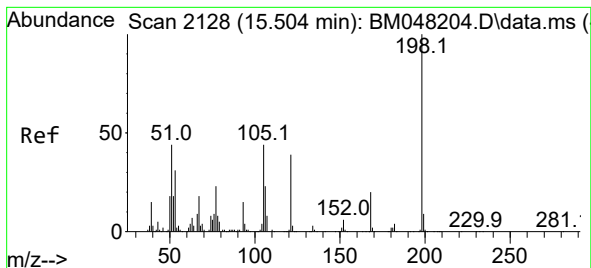
Tgt Ion: 77	Resp: 256707
Ion Ratio	Lower Upper
77 100	
182 25.7	5.3 45.3
105 21.3	1.6 41.6
51 29.0	7.8 47.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.104 min Scan# 2400
 Delta R.T. -0.006 min
 Lab File: BM048224.D
 Acq: 24 Oct 2024 19:46

Tgt Ion:188	Resp: 1028987		
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.3	10.9
80	9.9	8.0	12.0

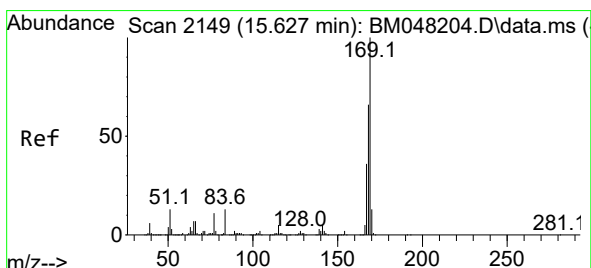
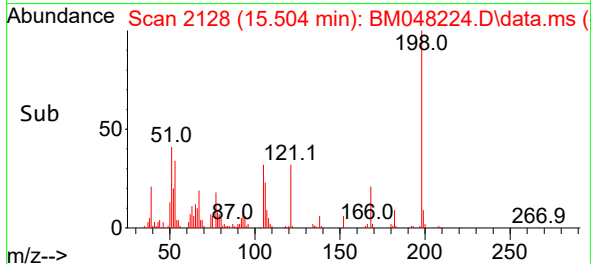
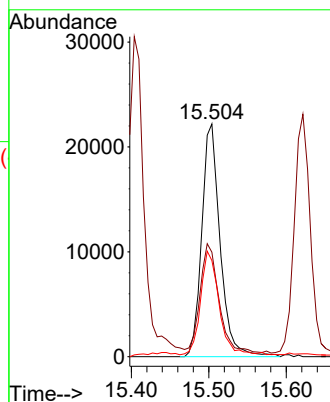
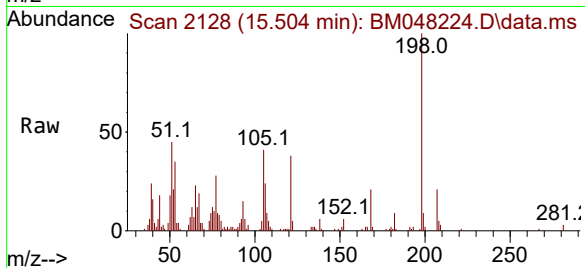




#65
4,6-Dinitro-2-methylphenol
Concen: 6.118 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

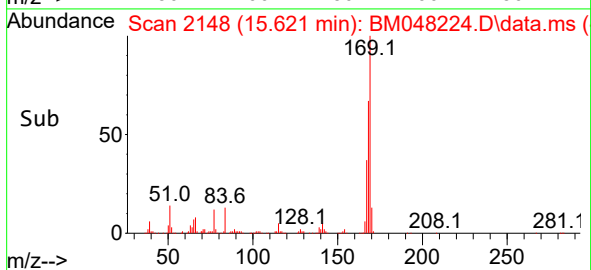
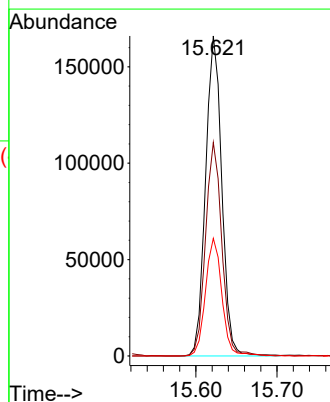
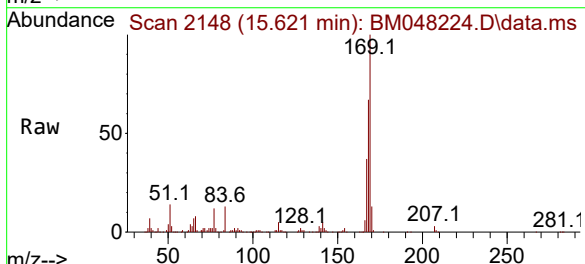
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

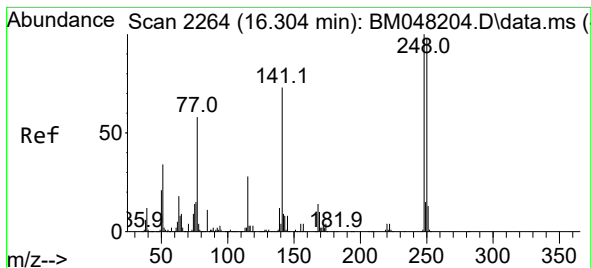
Tgt Ion:198 Resp: 36526
Ion Ratio Lower Upper
198 100
51 44.9 25.4 65.4
105 41.3 23.9 63.9



#66
n-Nitrosodiphenylamine
Concen: 8.138 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:169 Resp: 229883
Ion Ratio Lower Upper
169 100
168 66.7 52.9 79.3
167 36.8 29.3 43.9

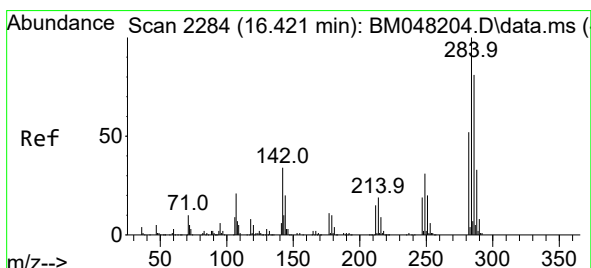
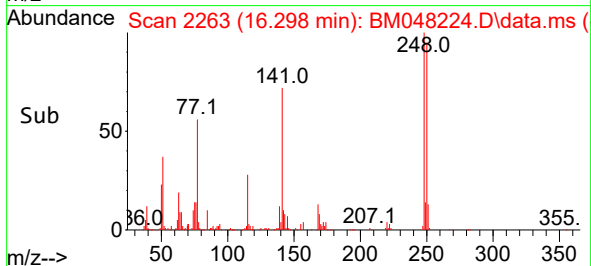
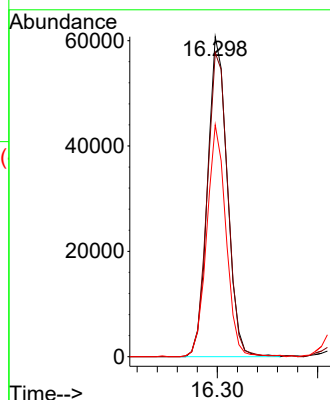
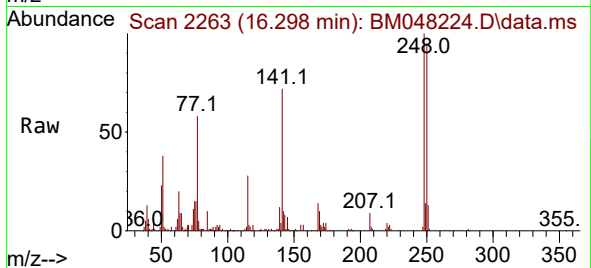




#67
4-Bromophenyl-phenylether
Concen: 7.962 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

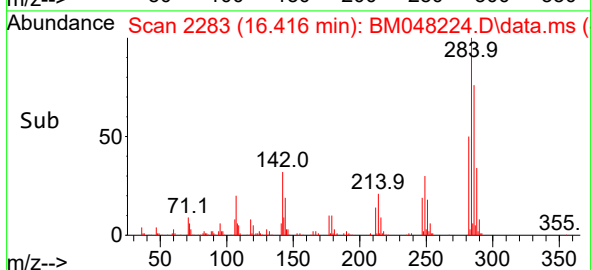
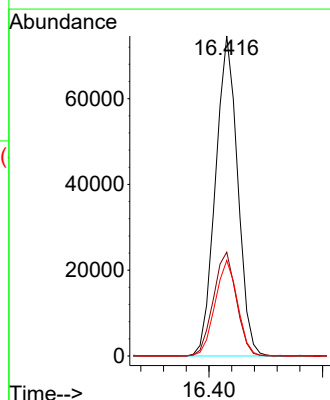
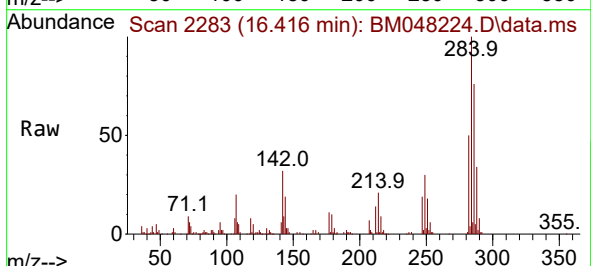
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

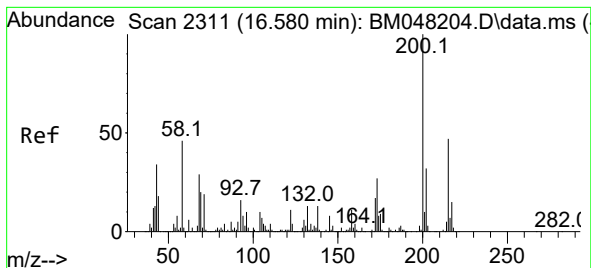
Tgt Ion:248 Resp: 83062
Ion Ratio Lower Upper
248 100
250 95.0 78.3 117.5
141 72.4 58.0 87.0



#68
Hexachlorobenzene
Concen: 8.080 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048224.D
Acq: 24 Oct 2024 19:46

Tgt Ion:284 Resp: 101245
Ion Ratio Lower Upper
284 100
142 32.5 27.0 40.4
249 29.8 24.6 36.8





#69

Atrazine

Concen: 9.861 ng

RT: 16.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

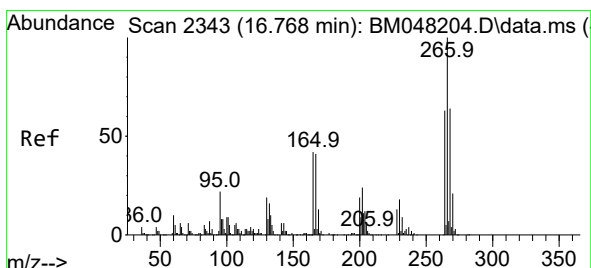
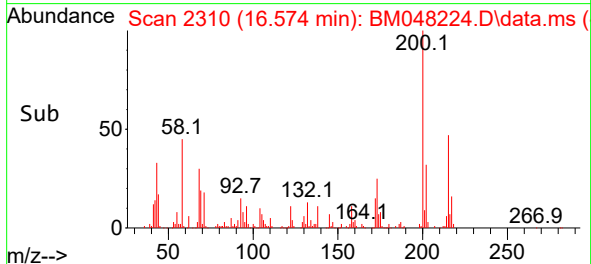
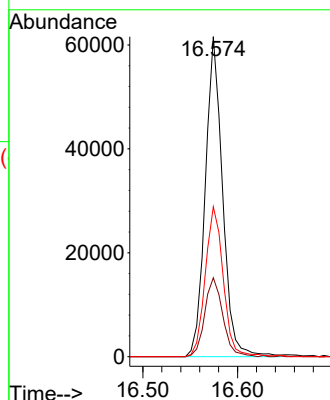
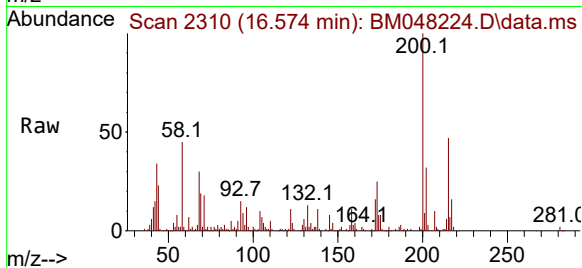
Tgt Ion:200 Resp: 77936

Ion Ratio Lower Upper

200 100

173 24.6 6.5 46.5

215 46.9 27.2 67.2



#70

Pentachlorophenol

Concen: 6.879 ng

RT: 16.768 min Scan# 2343

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

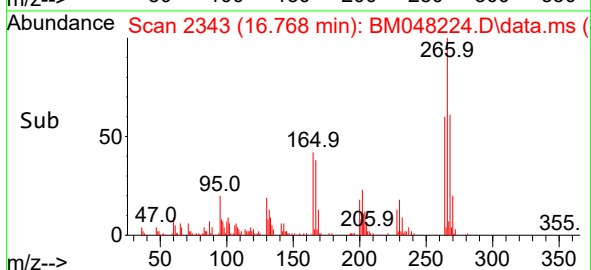
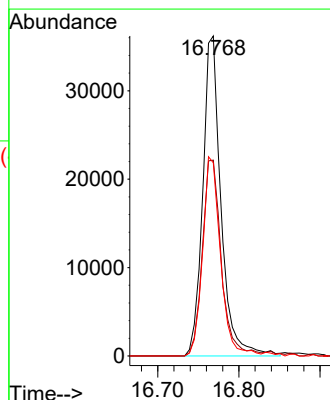
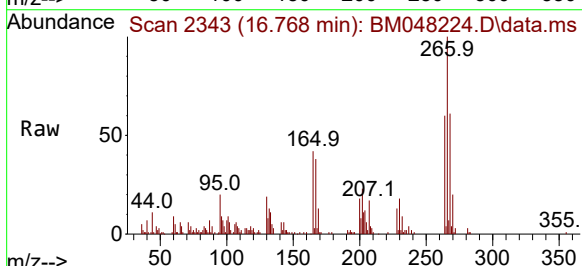
Tgt Ion:266 Resp: 56588

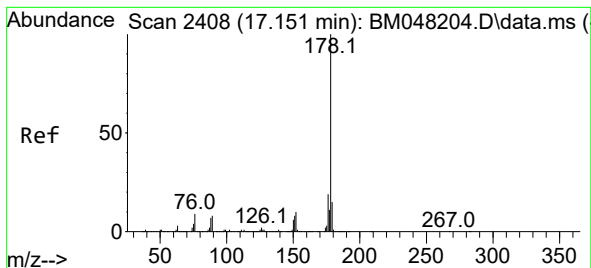
Ion Ratio Lower Upper

266 100

268 61.2 50.8 76.2

264 60.4 50.2 75.2





#71

Phenanthrene

Concen: 8.501 ng

RT: 17.145 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

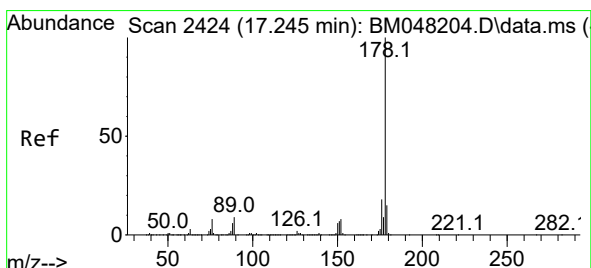
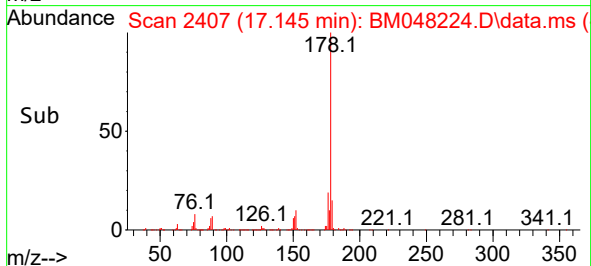
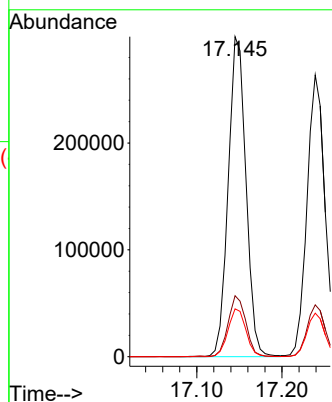
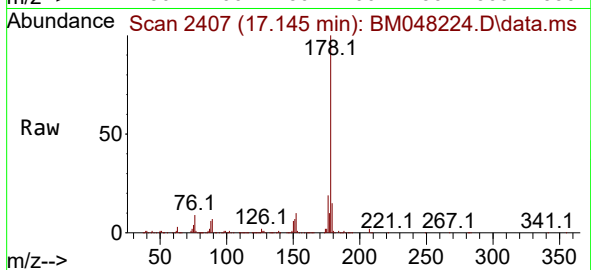
Tgt Ion:178 Resp: 433127

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.0 12.4 18.6



#72

Anthracene

Concen: 8.032 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

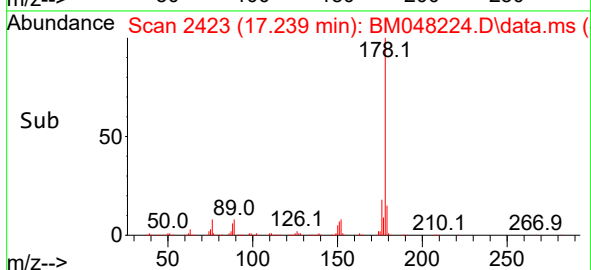
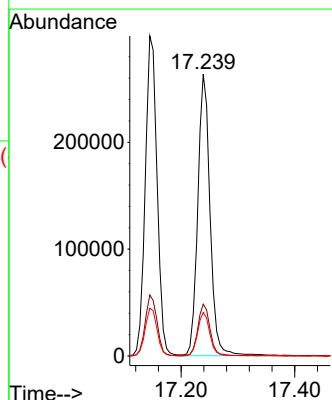
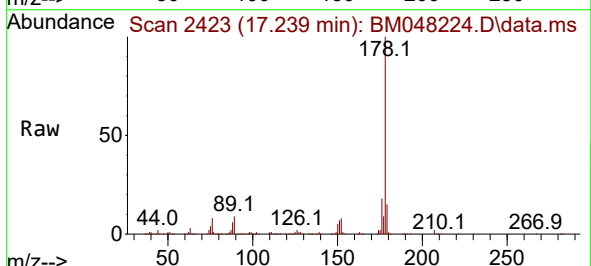
Tgt Ion:178 Resp: 396175

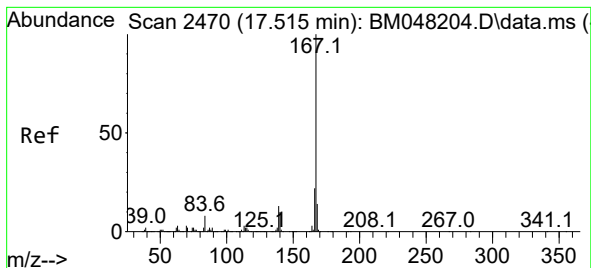
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.4 12.2 18.2





#73

Carbazole

Concen: 7.870 ng

RT: 17.515 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

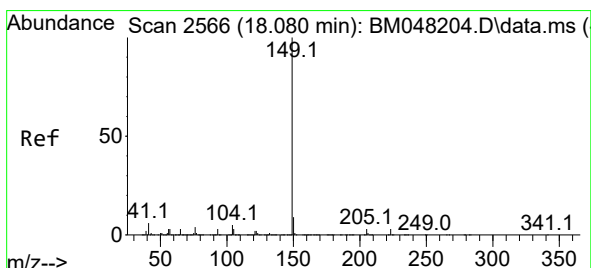
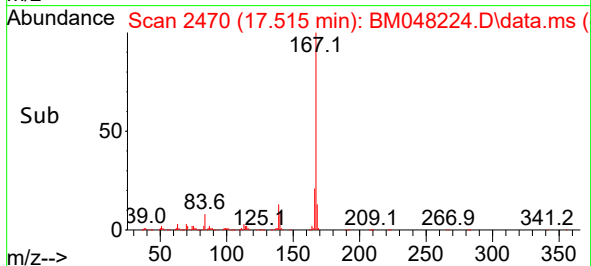
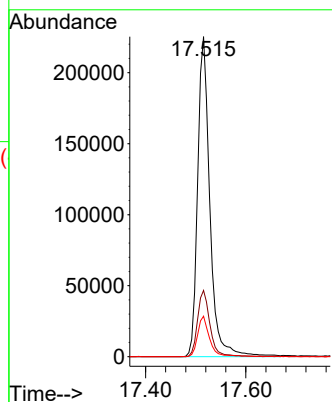
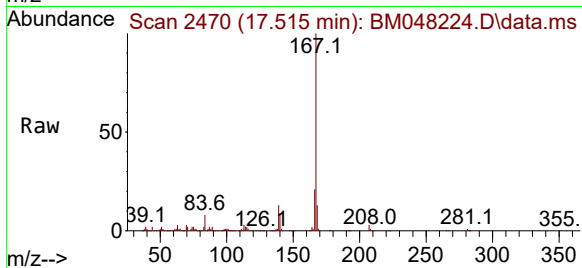
Tgt Ion:167 Resp: 380560

Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 12.7 10.4 15.6



#74

Di-n-butylphthalate

Concen: 7.523 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

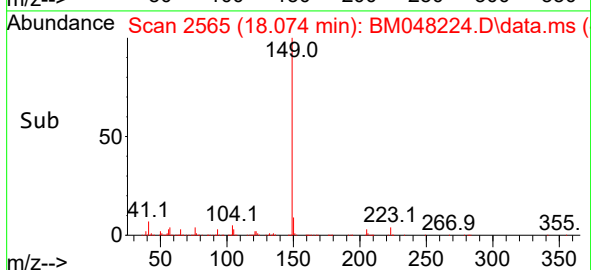
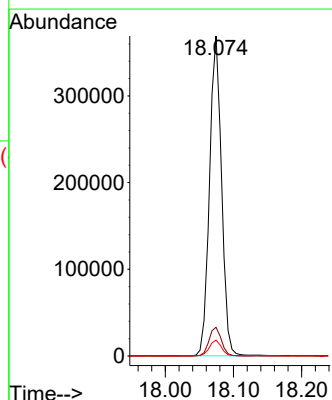
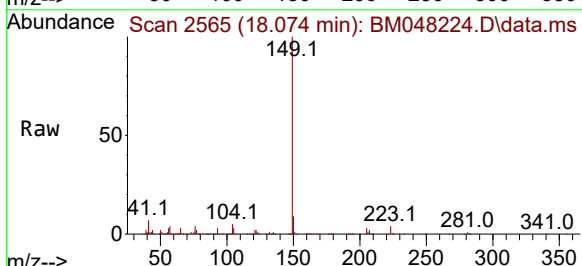
Tgt Ion:149 Resp: 452799

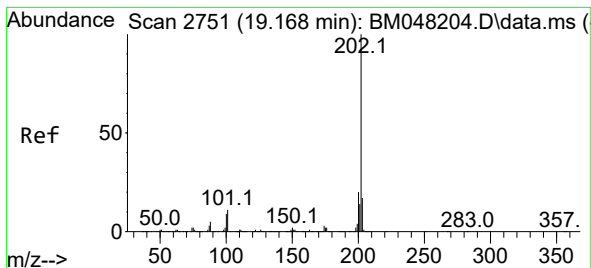
Ion Ratio Lower Upper

149 100

150 8.9 7.2 10.8

104 4.9 3.8 5.6





#75

Fluoranthene

Concen: 7.933 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

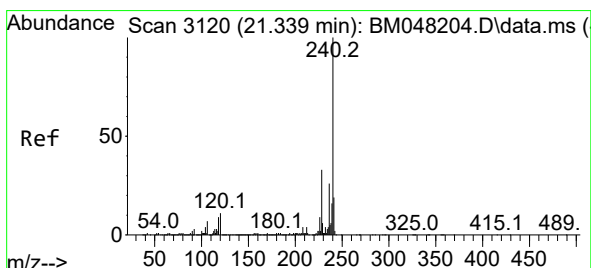
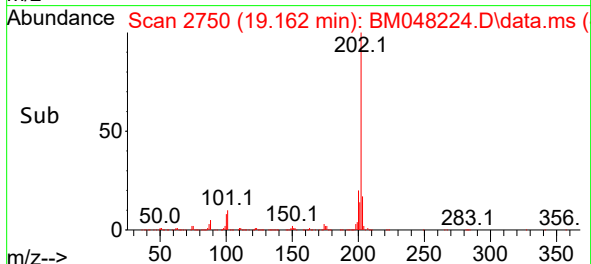
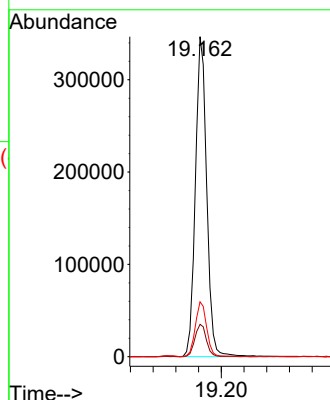
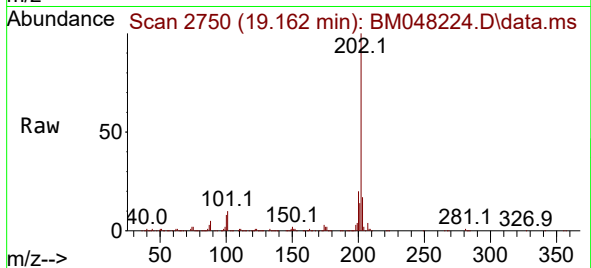
Tgt Ion:202 Resp: 482163

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.0

203 17.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.333 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

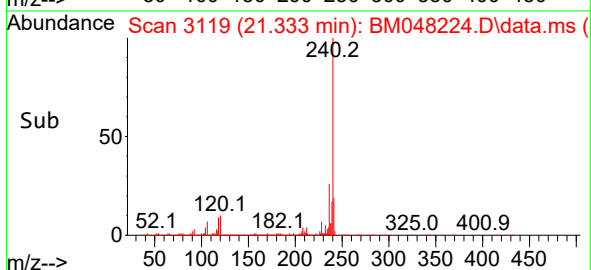
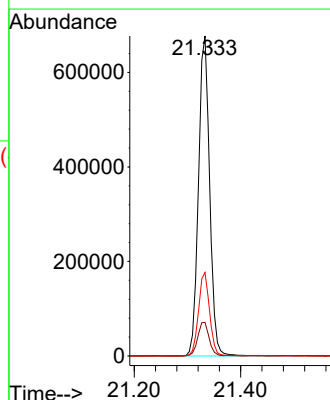
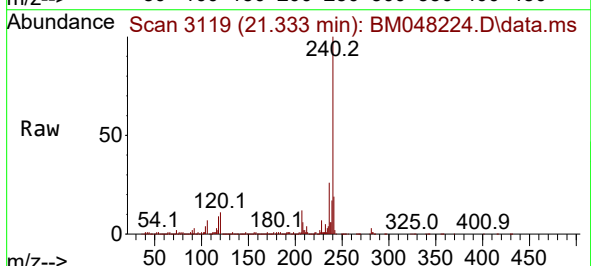
Tgt Ion:240 Resp: 986189

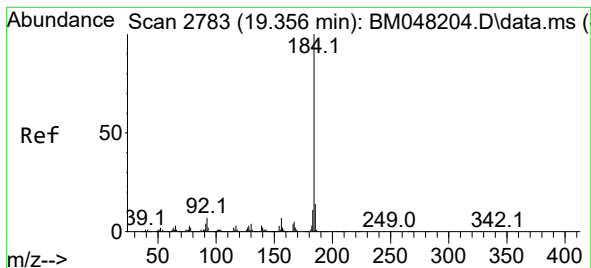
Ion Ratio Lower Upper

240 100

120 10.5 8.6 13.0

236 26.1 20.7 31.1





#77

Benzidine

Concen: 9.795 ng

RT: 19.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

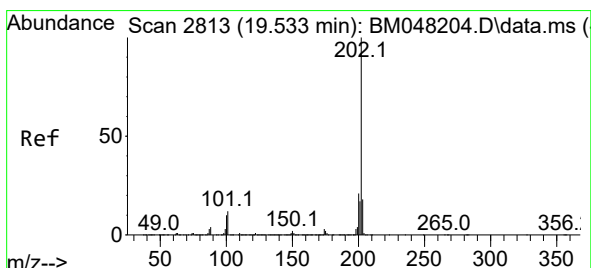
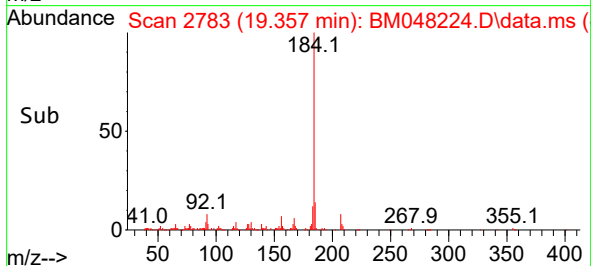
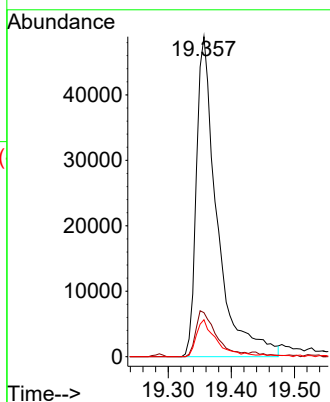
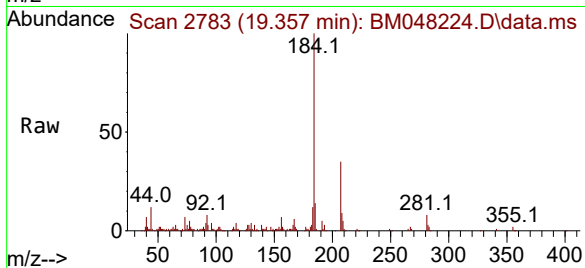
Tgt Ion:184 Resp: 111484

Ion Ratio Lower Upper

184 100

185 13.8 11.4 17.0

183 11.6 9.0 13.4



#78

Pyrene

Concen: 7.754 ng

RT: 19.527 min Scan# 2812

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

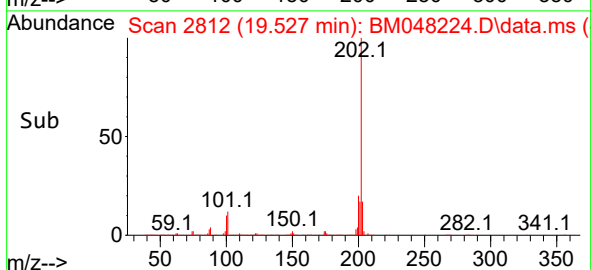
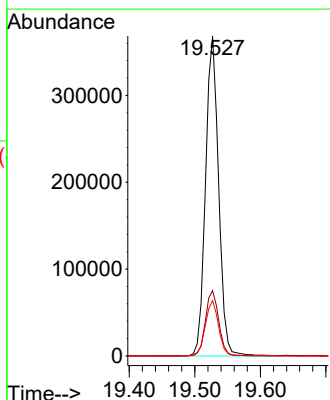
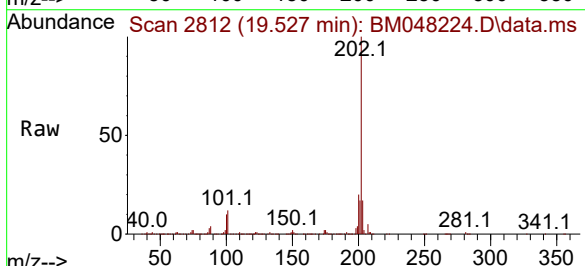
Tgt Ion:202 Resp: 511845

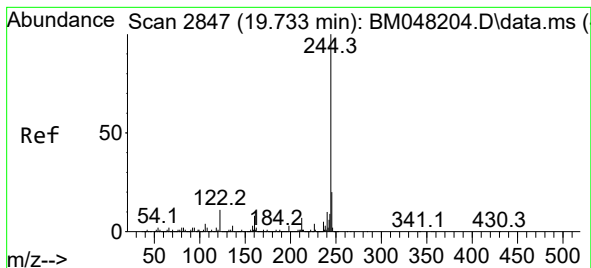
Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 78.497 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

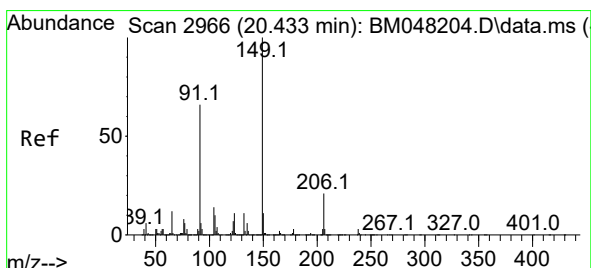
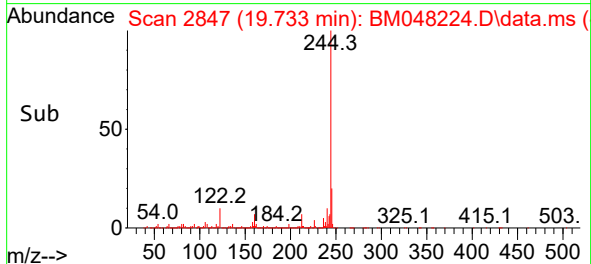
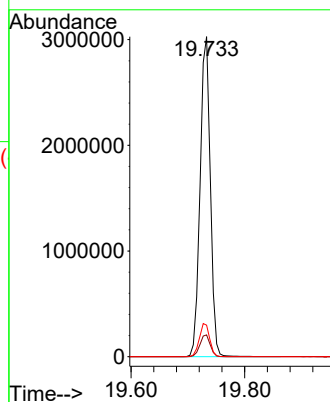
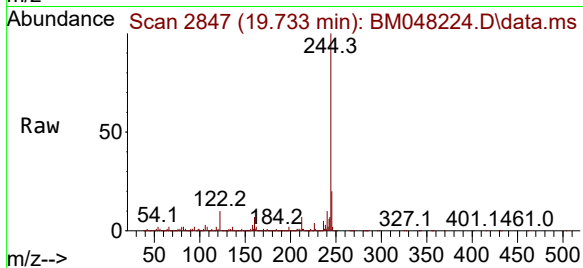
Tgt Ion:244 Resp: 3793403

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.9 8.8 13.2



#80

Butylbenzylphthalate

Concen: 7.189 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

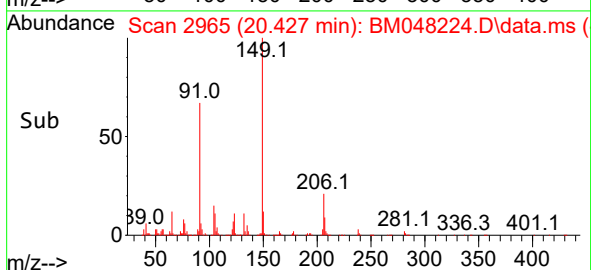
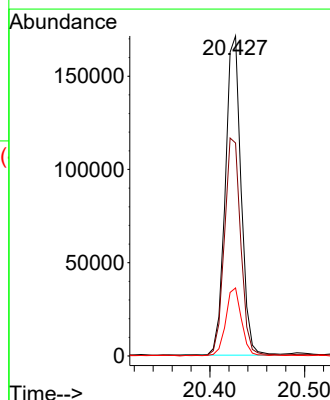
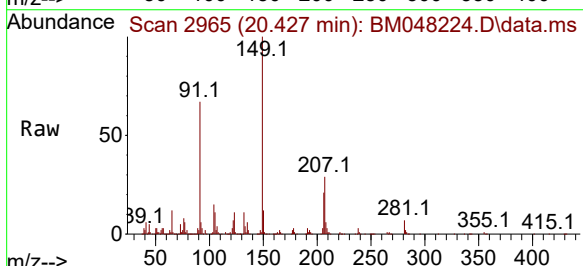
Tgt Ion:149 Resp: 198436

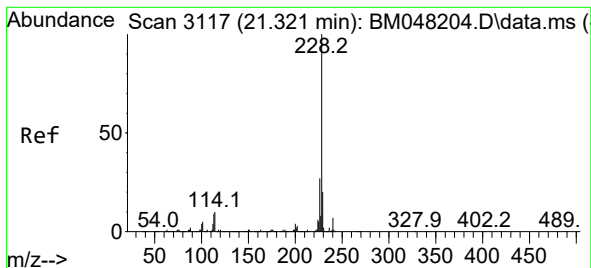
Ion Ratio Lower Upper

149 100

91 66.5 52.5 78.7

206 21.2 17.0 25.6





#81

Benzo(a)anthracene

Concen: 8.132 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

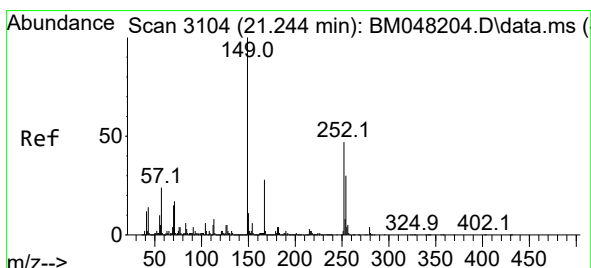
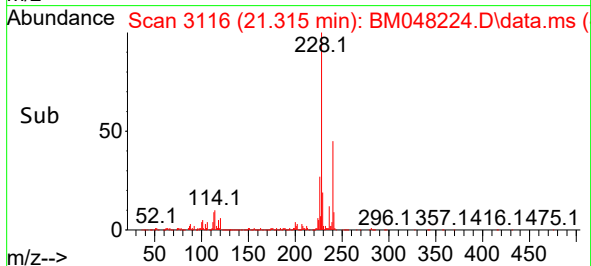
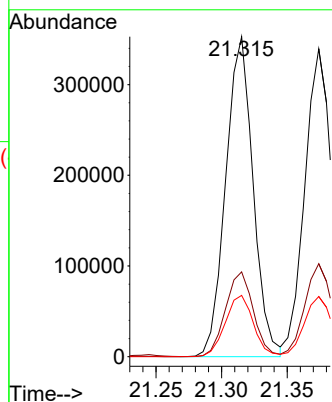
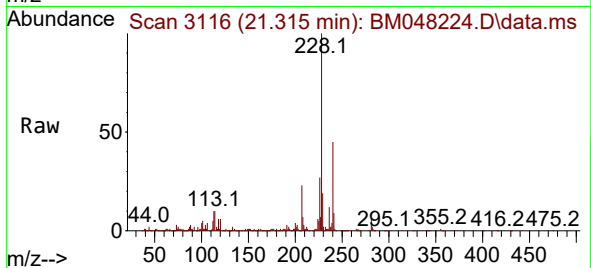
Tgt Ion:228 Resp: 512485

Ion Ratio Lower Upper

228 100

226 26.5 21.5 32.3

229 19.2 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 8.116 ng

RT: 21.245 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

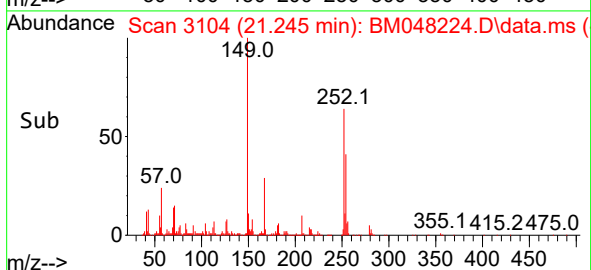
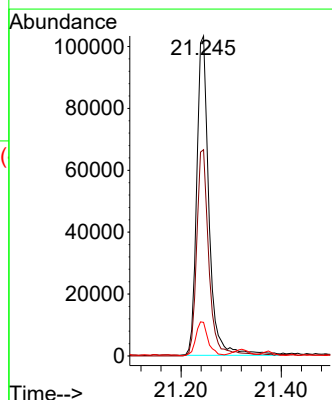
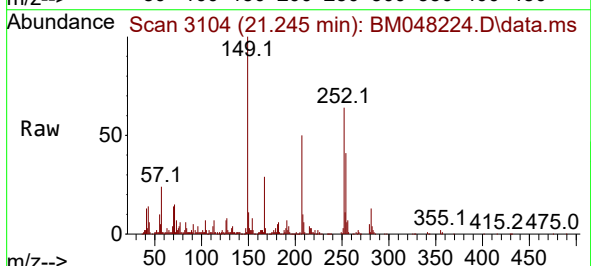
Tgt Ion:252 Resp: 175189

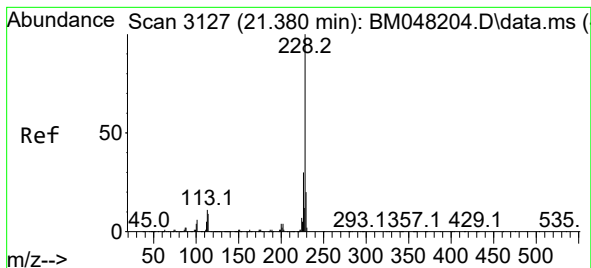
Ion Ratio Lower Upper

252 100

254 64.4 51.8 77.8

126 10.5 8.8 13.2





#83

Chrysene

Concen: 8.266 ng

RT: 21.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

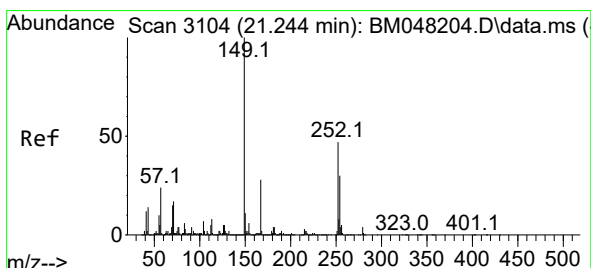
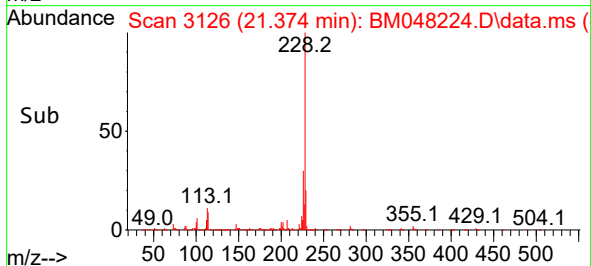
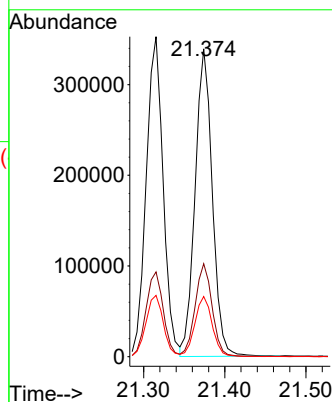
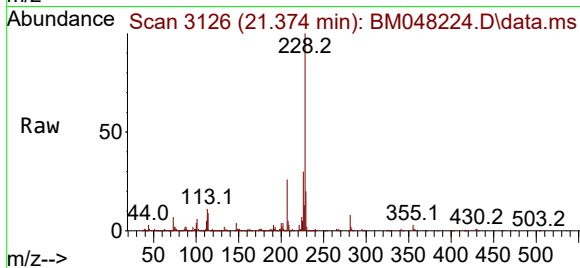
Tgt Ion:228 Resp: 500017

Ion Ratio Lower Upper

228 100

226 30.2 23.5 35.3

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.685 ng

RT: 21.239 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

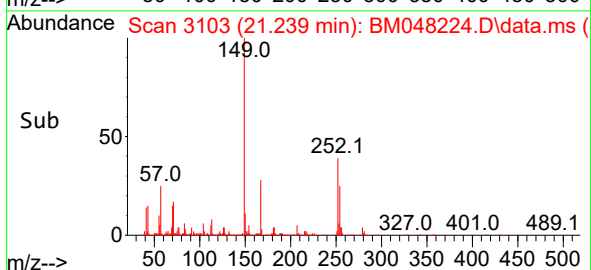
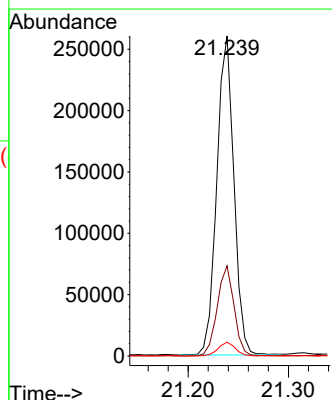
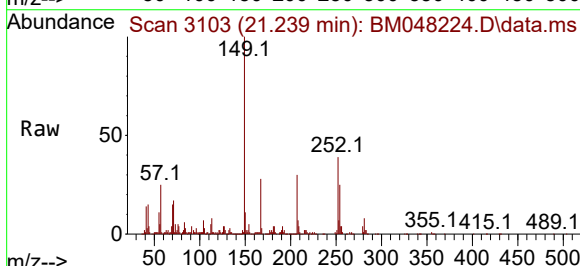
Tgt Ion:149 Resp: 308316

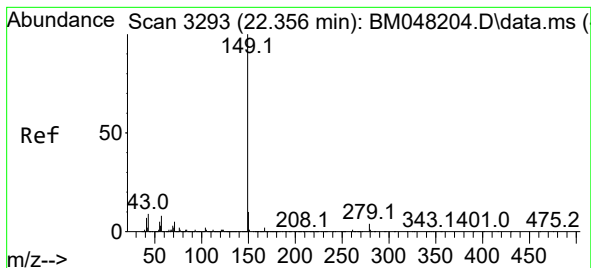
Ion Ratio Lower Upper

149 100

167 28.1 22.5 33.7

279 4.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 6.928 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

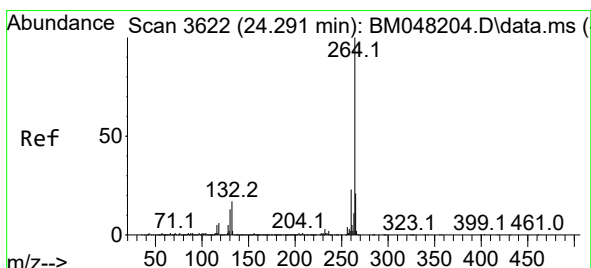
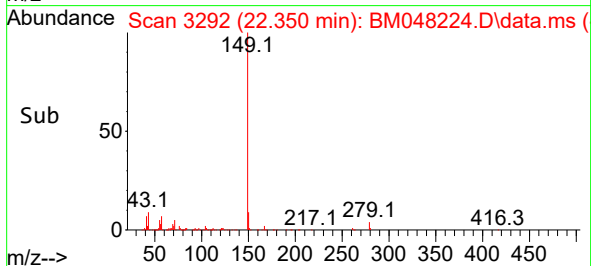
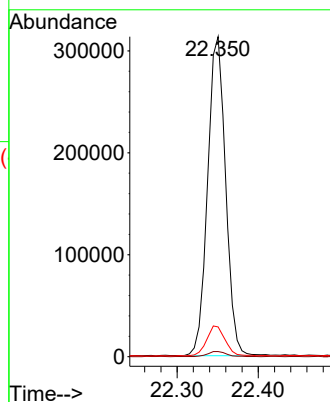
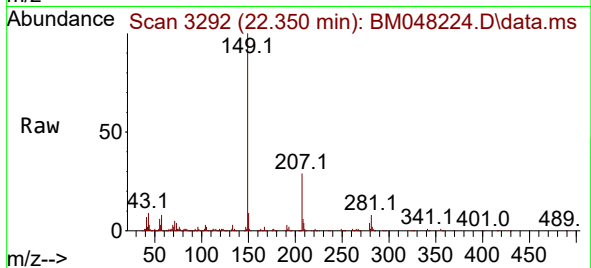
Tgt Ion:149 Resp: 481409

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

43 9.7 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.280 min Scan# 3620

Delta R.T. -0.012 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

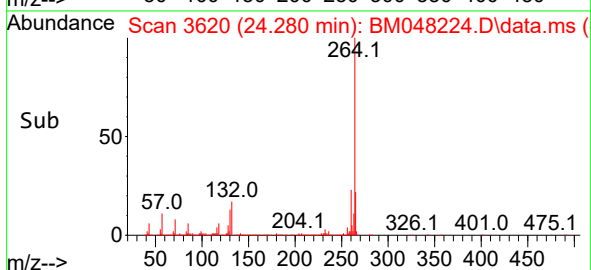
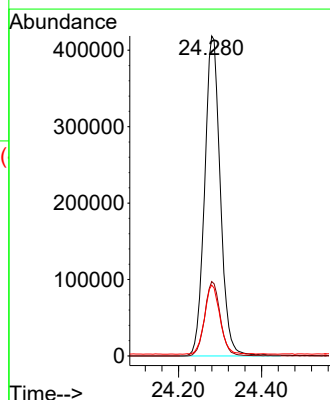
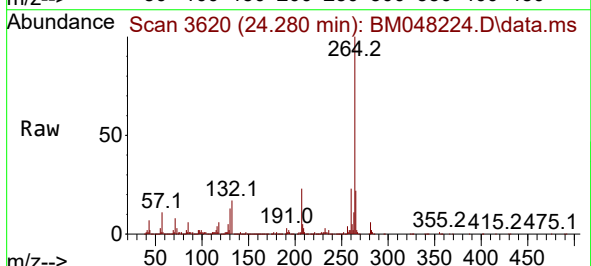
Tgt Ion:264 Resp: 1095157

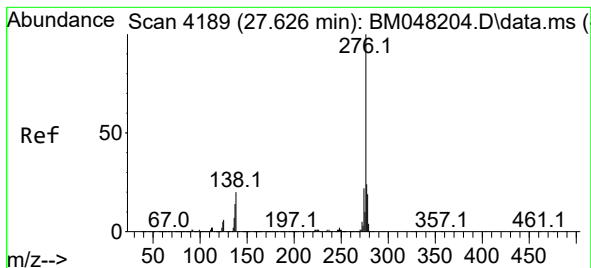
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 22.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.301 ng

RT: 27.597 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

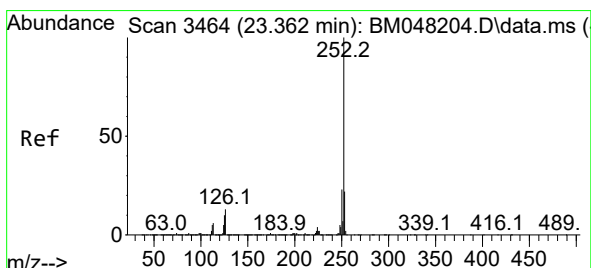
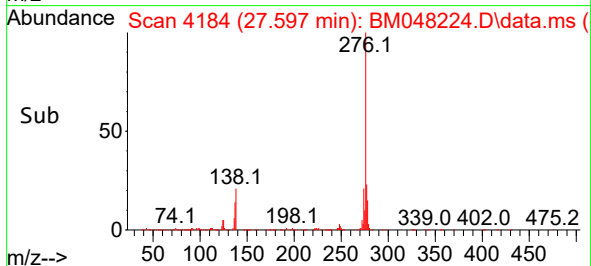
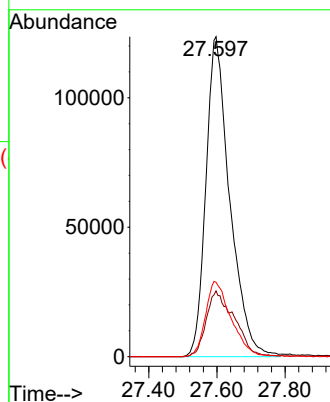
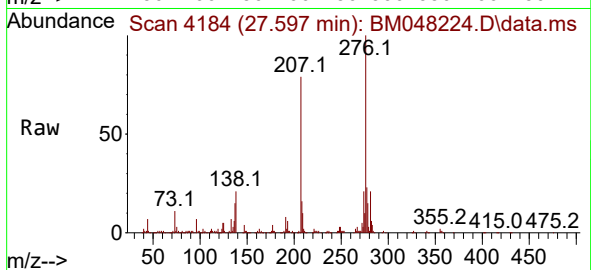
Tgt Ion:276 Resp: 601163

Ion Ratio Lower Upper

276 100

138 24.2 19.8 29.6

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 8.089 ng

RT: 23.350 min Scan# 3462

Delta R.T. -0.011 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

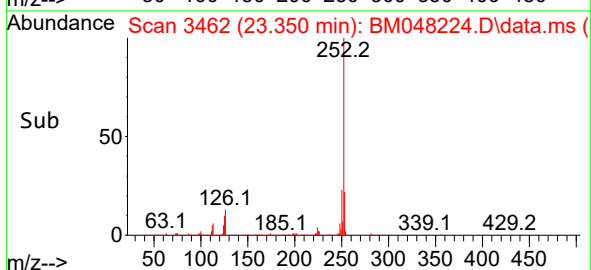
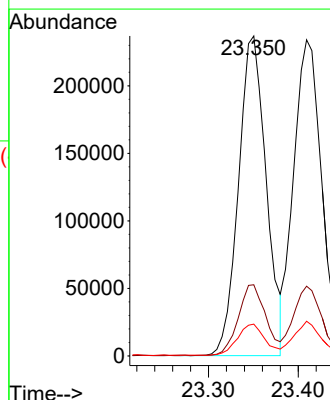
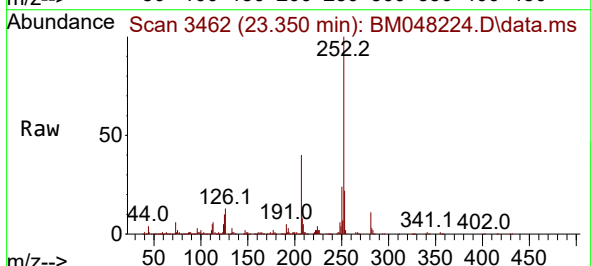
Tgt Ion:252 Resp: 507941

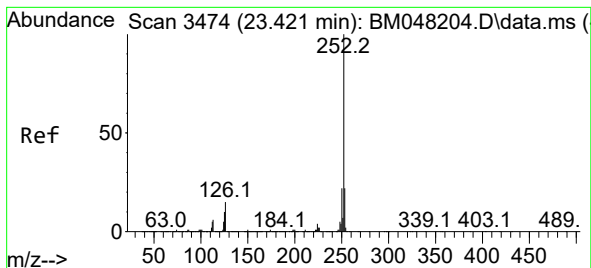
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 8.490 ng

RT: 23.409 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

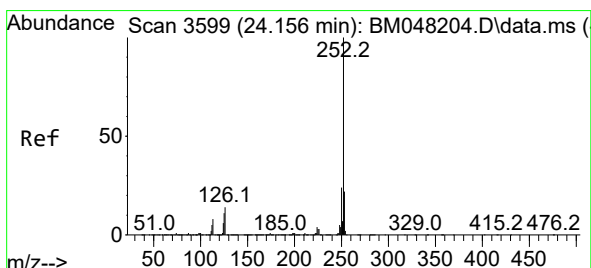
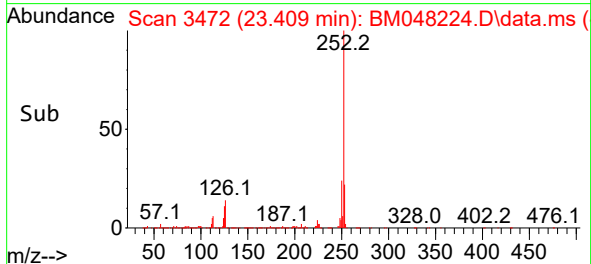
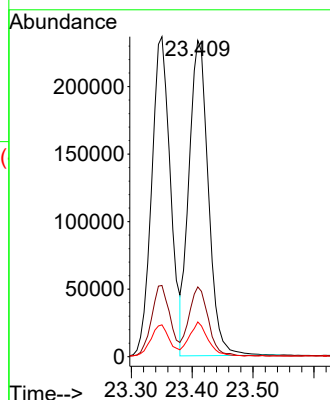
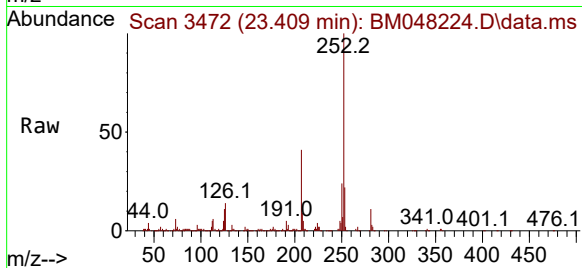
Tgt Ion:252 Resp: 515437

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.0 7.8 11.6



#90

Benzo(a)pyrene

Concen: 8.443 ng

RT: 24.144 min Scan# 3597

Delta R.T. -0.012 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

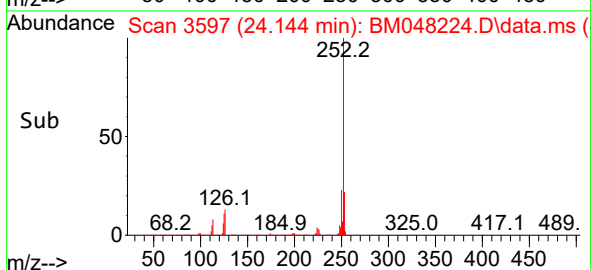
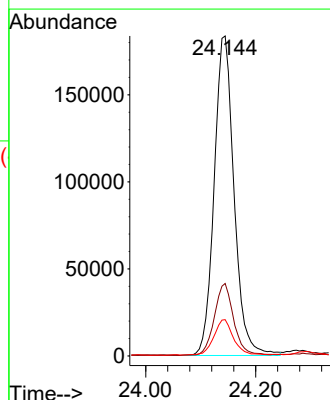
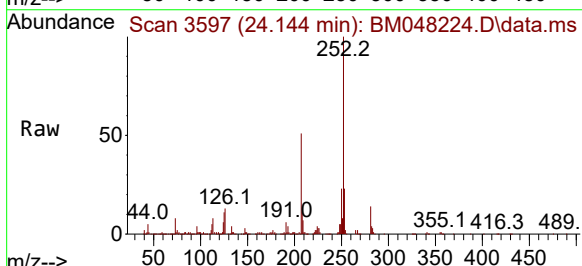
Tgt Ion:252 Resp: 460929

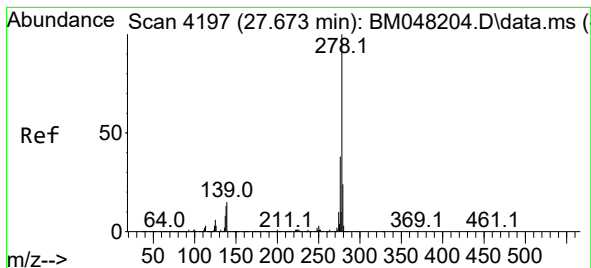
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 11.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 8.270 ng

RT: 27.650 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

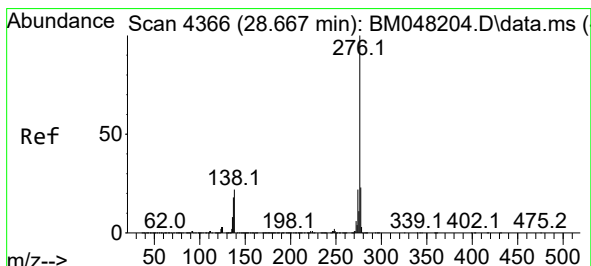
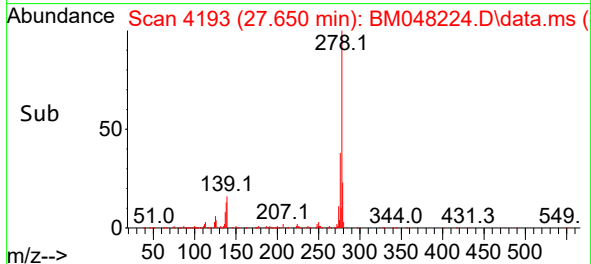
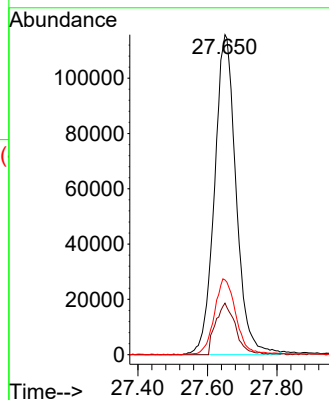
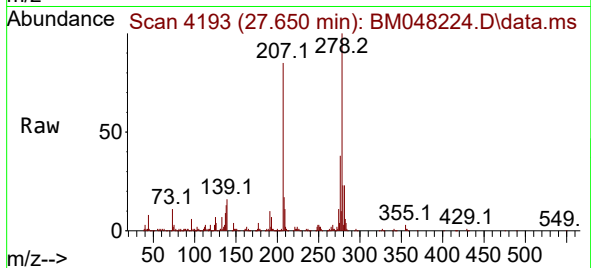
Tgt Ion:278 Resp: 498766

Ion Ratio Lower Upper

278 100

139 16.1 12.2 18.4

279 23.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 7.757 ng

RT: 28.632 min Scan# 4360

Delta R.T. -0.035 min

Lab File: BM048224.D

Acq: 24 Oct 2024 19:46

Tgt Ion:276 Resp: 479020

Ion Ratio Lower Upper

276 100

277 23.0 18.5 27.7

138 20.2 17.5 26.3

