

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047547.D
 Acq On : 17 Sep 2024 17:07
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 17 17:40:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	366501	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1589437	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	901805	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1707279	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1426234	20.000	ng	#-0.01
86) Perylene-d12	24.462	264	1323754	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3345019	145.320	ng	0.00
7) Phenol-d6	7.010	99	4649051	143.417	ng	0.00
23) Nitrobenzene-d5	9.004	82	3325735	104.716	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1374665	157.704	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	6837722	104.447	ng	0.00
79) Terphenyl-d14	19.827	244	8778014	110.288	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.322	88	103700	10.518	ng	98
3) Pyridine	3.716	79	251515	8.570	ng	95
4) n-Nitrosodimethylamine	3.628	42	124194	9.327	ng	# 93
6) Aniline	7.175	93	297836	10.364	ng	99
8) 2-Chlorophenol	7.410	128	226478	8.925	ng	96
9) Benzaldehyde	6.987	77	232130	15.060	ng	98
10) Phenol	7.034	94	288926	8.902	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	235586	9.041	ng	97
12) 1,3-Dichlorobenzene	7.739	146	235549	8.481	ng	99
13) 1,4-Dichlorobenzene	7.881	146	238330	8.425	ng	100
14) 1,2-Dichlorobenzene	8.198	146	232546	8.353	ng	98
15) Benzyl Alcohol	8.081	79	193930	8.832	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.369	45	356811	9.734	ng	99
17) 2-Methylphenol	8.281	107	167640	8.085	ng	97
18) Hexachloroethane	8.933	117	98798	8.742	ng	96
19) n-Nitroso-di-n-propyla...	8.651	70	191316	8.753	ng	99
20) 3+4-Methylphenols	8.610	107	223780	7.735	ng	96
22) Acetophenone	8.663	105	362435	8.673	ng	# 98
24) Nitrobenzene	9.039	77	298085	9.134	ng	97
25) Isophorone	9.569	82	496181	8.887	ng	99
26) 2-Nitrophenol	9.751	139	82743	7.440	ng	98
27) 2,4-Dimethylphenol	9.810	122	103590	6.145	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	305187	8.702	ng	100
29) 2,4-Dichlorophenol	10.286	162	165910	7.746	ng	95
30) 1,2,4-Trichlorobenzene	10.504	180	194957	7.947	ng	99
31) Naphthalene	10.692	128	698236	8.134	ng	100
32) Benzoic acid	9.880	122	79264	10.803	ng	99
33) 4-Chloroaniline	10.792	127	275028	8.861	ng	99
34) Hexachlorobutadiene	10.986	225	102701	7.558	ng	98
35) Caprolactam	11.551	113	56184	7.964	ng	96
36) 4-Chloro-3-methylphenol	11.910	107	189048	7.702	ng	99
37) 2-Methylnaphthalene	12.304	142	443437	7.762	ng	99
38) 1-Methylnaphthalene	12.521	142	416659	7.339	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	191955	7.866	ng	98
41) Hexachlorocyclopentadiene	12.657	237	47230	5.921	ng	97
43) 2,4,6-Trichlorophenol	12.910	196	112688	7.371	ng	96

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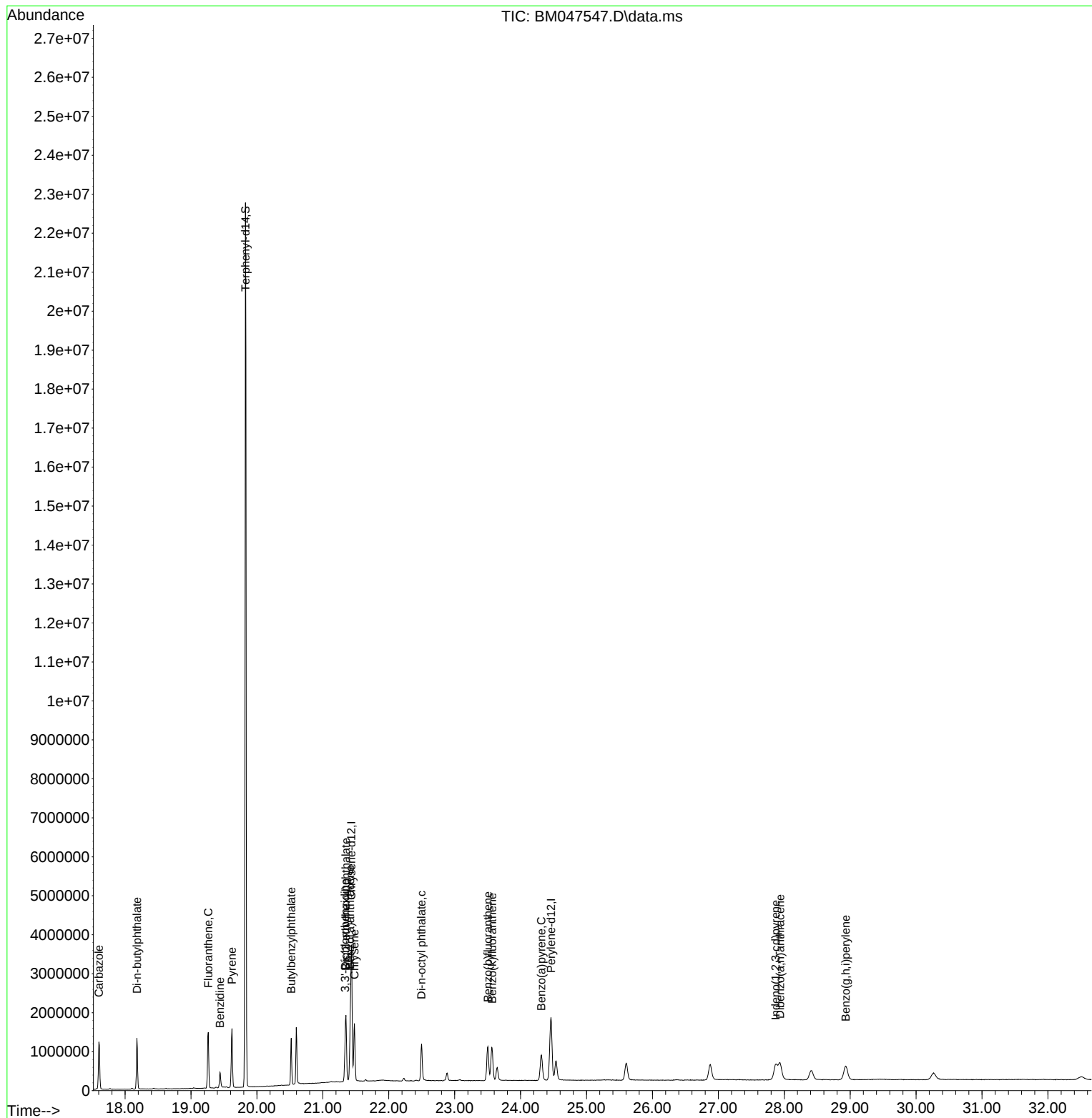
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	126595	7.331	ng	98
46) 1,1'-Biphenyl	13.310	154	595812	8.492	ng	98
47) 2-Chloronaphthalene	13.351	162	433719	7.961	ng	98
48) 2-Nitroaniline	13.545	65	124687	7.792	ng	94
49) Acenaphthylene	14.198	152	683801	8.697	ng	99
50) Dimethylphthalate	13.927	163	514266	8.367	ng	100
51) 2,6-Dinitrotoluene	14.039	165	99621	7.678	ng	90
52) Acenaphthene	14.539	154	425122	7.717	ng	99
53) 3-Nitroaniline	14.368	138	115109	7.981	ng	97
54) 2,4-Dinitrophenol	14.568	184	28320	8.365	ng	# 72
55) Dibenzofuran	14.874	168	634848	8.201	ng	97
56) 4-Nitrophenol	14.668	139	87195	7.347	ng	99
57) 2,4-Dinitrotoluene	14.821	165	123204	7.119	ng	86
58) Fluorene	15.521	166	521693	7.485	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.098	232	99821	7.414	ng	93
60) Diethylphthalate	15.292	149	540702	8.266	ng	98
61) 4-Chlorophenyl-phenyle...	15.515	204	229409	7.199	ng	96
62) 4-Nitroaniline	15.521	138	117327	6.921	ng	90
63) Azobenzene	15.809	77	647574	8.990	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	43360	11.413	ng	94
66) n-Nitrosodiphenylamine	15.727	169	411685	7.882	ng	99
67) 4-Bromophenyl-phenylether	16.409	248	122212	7.367	ng	99
68) Hexachlorobenzene	16.521	284	139781	7.438	ng	94
69) Atrazine	16.674	200	117631	8.149	ng	99
70) Pentachlorophenol	16.862	266	69908	6.417	ng	99
71) Phenanthrene	17.251	178	756841	8.044	ng	100
72) Anthracene	17.345	178	688686	7.619	ng	100
73) Carbazole	17.603	167	702458	7.841	ng	99
74) Di-n-butylphthalate	18.180	149	841558	7.851	ng	98
75) Fluoranthene	19.262	202	746897	7.276	ng	96
77) Benzidine	19.439	184	218387	10.872	ng	98
78) Pyrene	19.621	202	784256	7.539	ng	100
80) Butylbenzylphthalate	20.521	149	297484	7.428	ng	94
81) Benzo(a)anthracene	21.415	228	769623	8.279	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	206816	8.363	ng	99
83) Chrysene	21.480	228	715948	8.142	ng	100
84) Bis(2-ethylhexyl)phtha...	21.350	149	502768	8.014	ng	# 97
85) Di-n-octyl phthalate	22.497	149	707224	7.970	ng	98
87) Indeno(1,2,3-cd)pyrene	27.868	276	685882	8.658	ng	96
88) Benzo(b)fluoranthene	23.503	252	663426	7.746	ng	99
89) Benzo(k)fluoranthene	23.568	252	691859	8.151	ng	98
90) Benzo(a)pyrene	24.315	252	582018	8.291	ng	98
91) Dibenzo(a,h)anthracene	27.938	278	554863	8.325	ng	97
92) Benzo(g,h,i)perylene	28.932	276	528673	8.120	ng	97

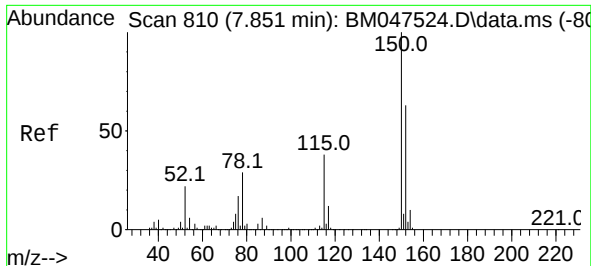
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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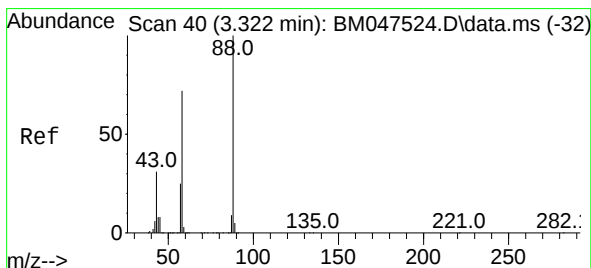
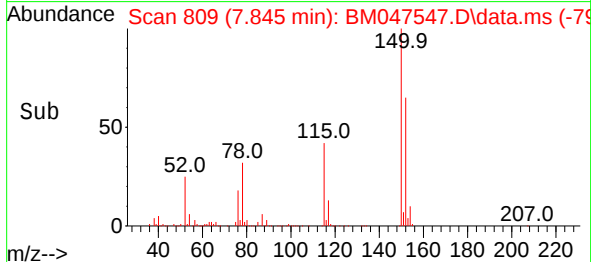
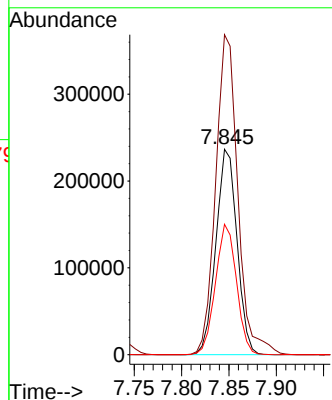
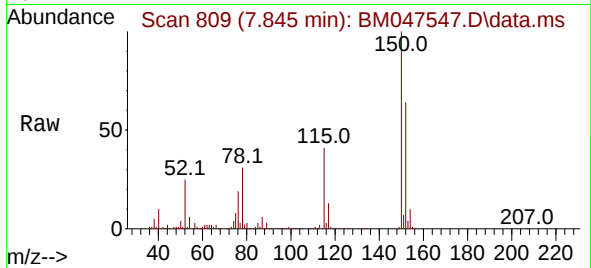




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM047547.D
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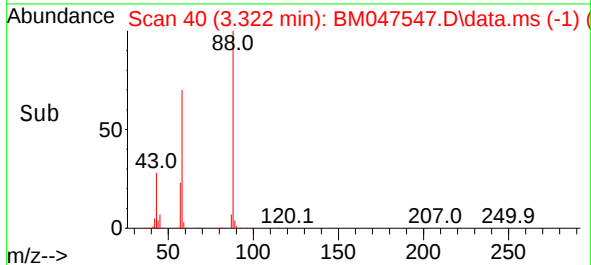
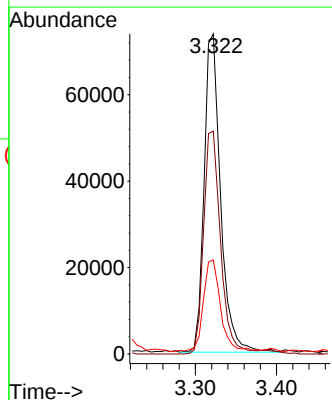
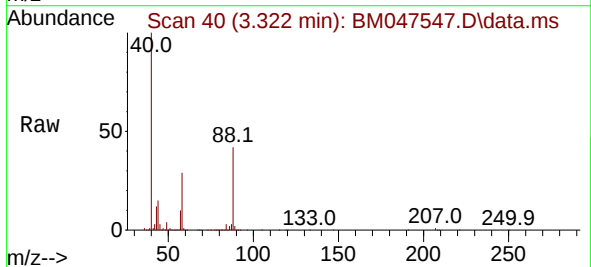
Instrument :
BNA_M
ClientSampleId :
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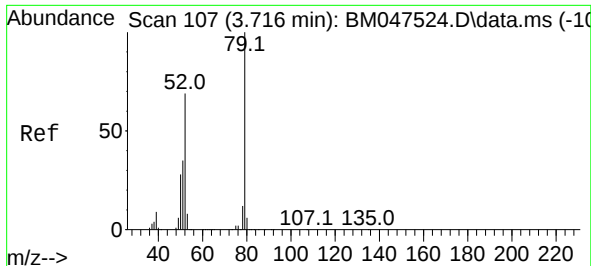
Tgt Ion:152 Resp: 366501
Ion Ratio Lower Upper
152 100
150 155.8 126.8 190.2
115 63.5 47.8 71.8



#2
1,4-Dioxane
Concen: 10.518 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 88 Resp: 103700
Ion Ratio Lower Upper
88 100
58 72.1 59.0 88.6
43 30.3 25.0 37.4

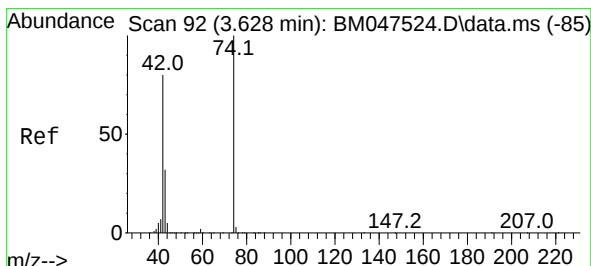
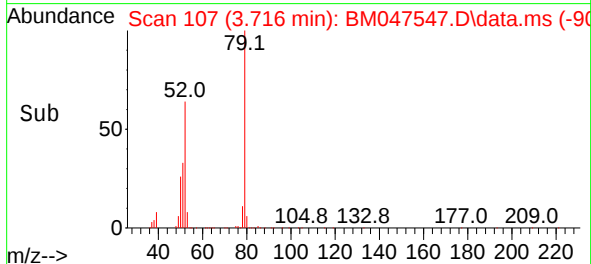
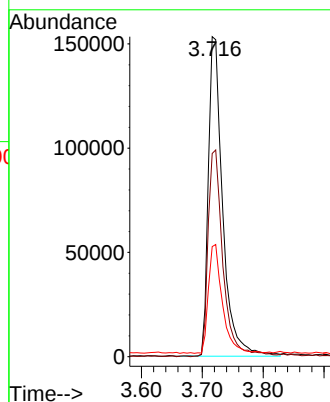
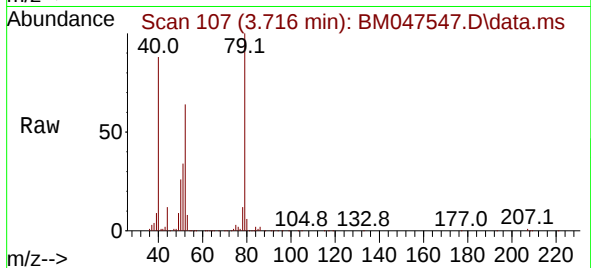




#3
Pyridine
Concen: 8.570 ng
RT: 3.716 min Scan# 107
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

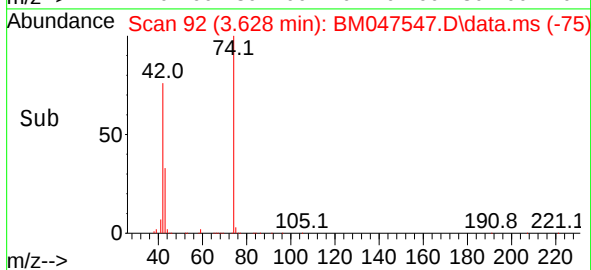
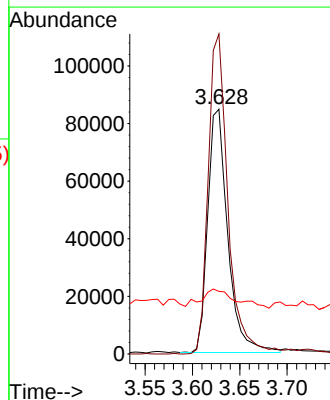
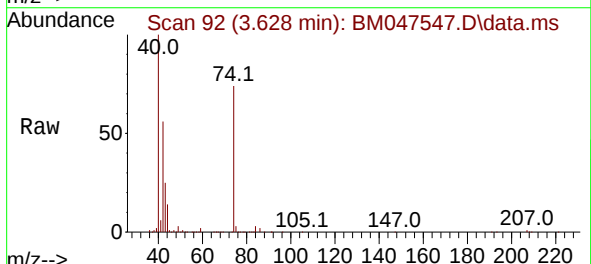
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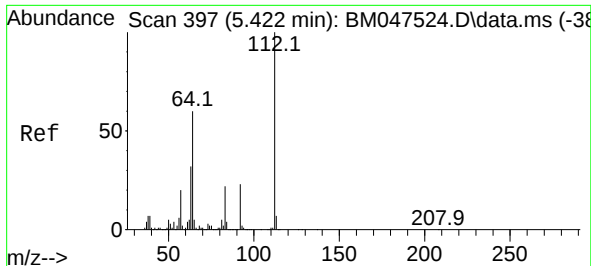
Tgt Ion: 79 Resp: 251515
Ion Ratio Lower Upper
79 100
52 63.5 55.4 83.0
51 34.4 27.9 41.9



#4
n-Nitrosodimethylamine
Concen: 9.327 ng
RT: 3.628 min Scan# 92
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 42 Resp: 124194
Ion Ratio Lower Upper
42 100
74 130.7 100.5 150.7
44 25.6 6.9 10.3

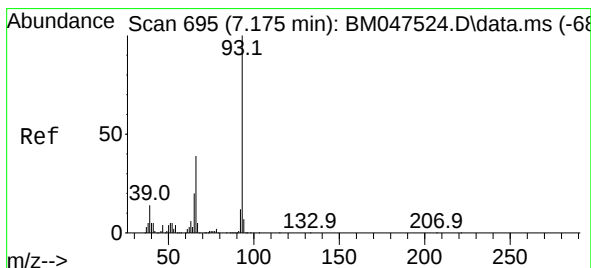
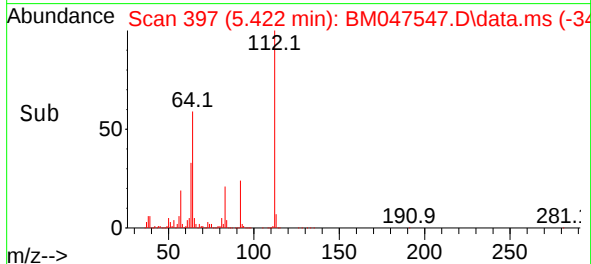
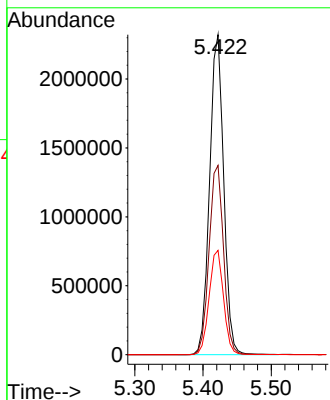
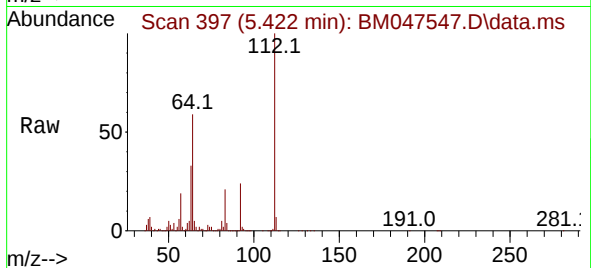




#5
2-Fluorophenol
Concen: 145.320 ng
RT: 5.422 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM047547.D
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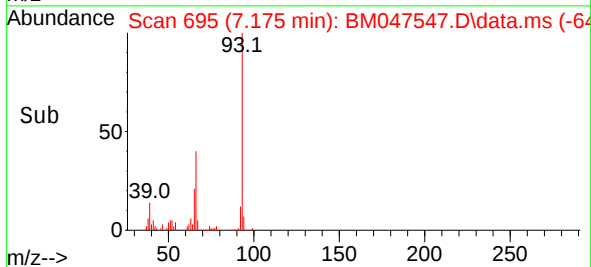
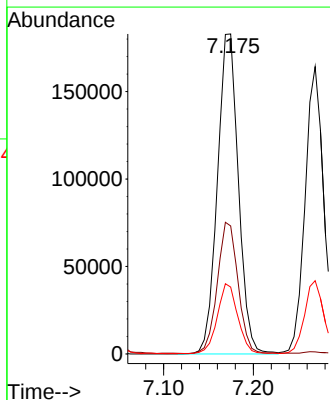
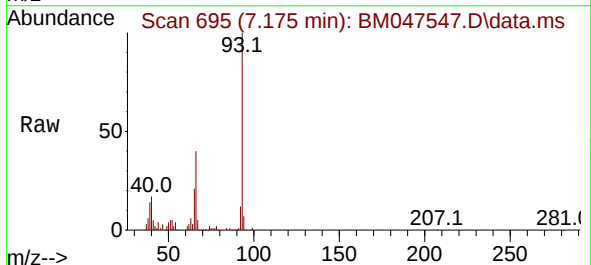
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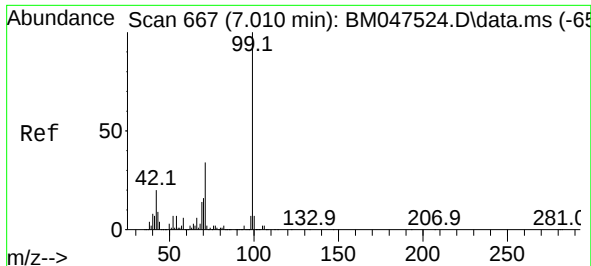
Tgt Ion:112 Resp: 3345019
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 32.6 26.0 39.0



#6
Aniline
Concen: 10.364 ng
RT: 7.175 min Scan# 695
Delta R.T. -0.000 min
Lab File: BM047547.D
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Tgt Ion: 93 Resp: 297836
Ion Ratio Lower Upper
93 100
66 40.0 31.4 47.0
65 20.9 16.3 24.5



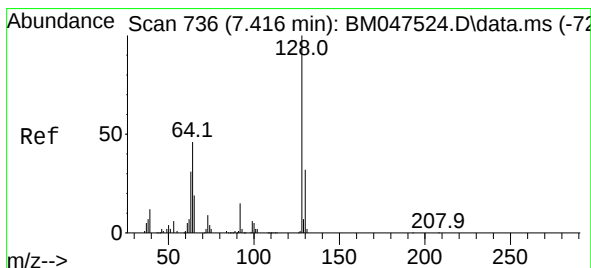
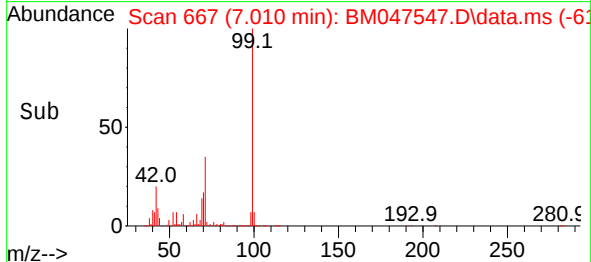
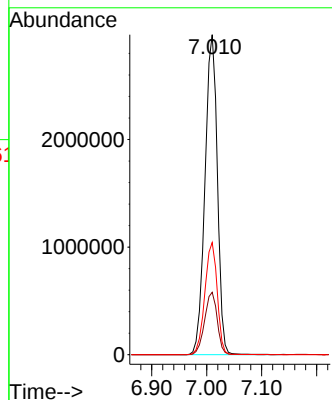
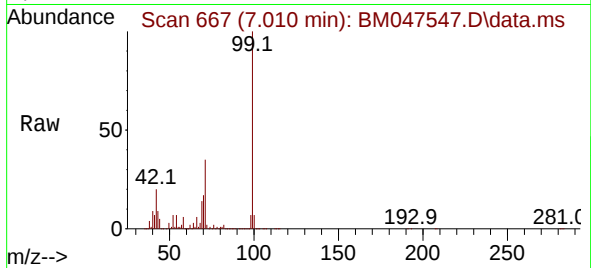


#7
Phenol-d6
Concen: 143.417 ng
RT: 7.010 min Scan# 667
Delta R.T. -0.000 min
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Tgt Ion: 99 Resp: 4649051

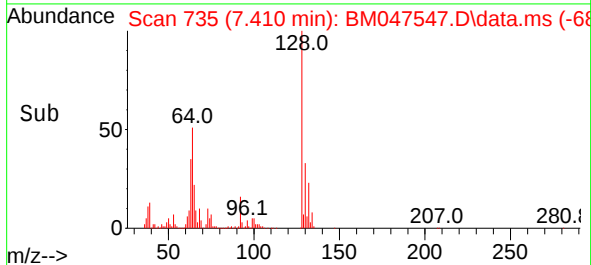
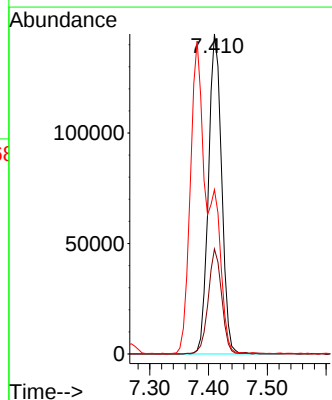
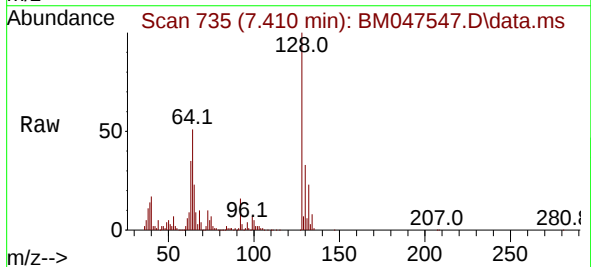
Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.8	23.8
71	35.0	27.6	41.4

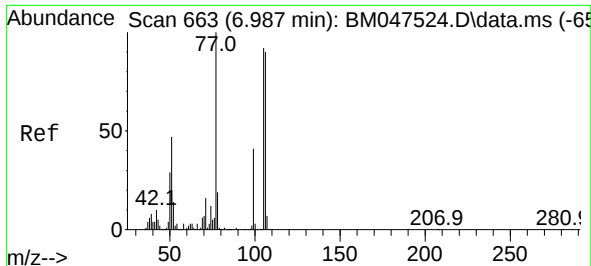


#8
2-Chlorophenol
Concen: 8.925 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:128 Resp: 226478

Ion	Ratio	Lower	Upper
128	100		
130	32.8	11.8	51.8
64	51.4	27.6	67.6

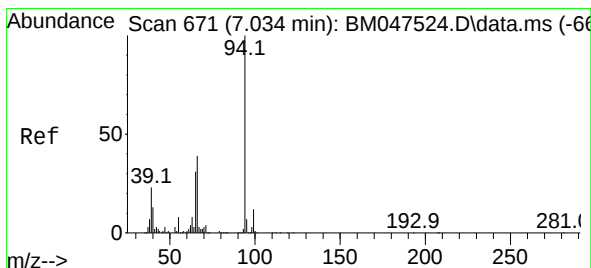
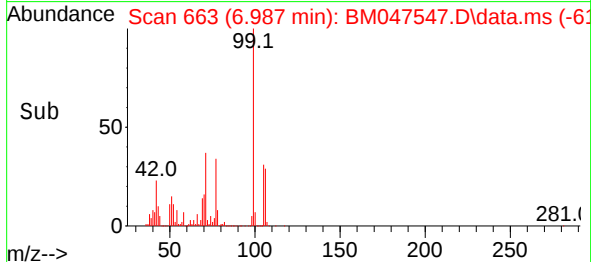
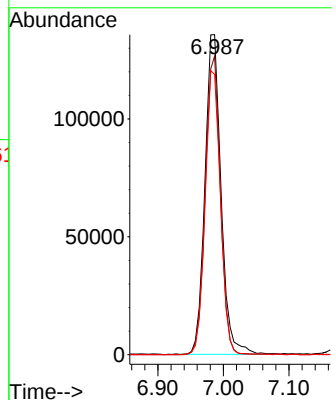
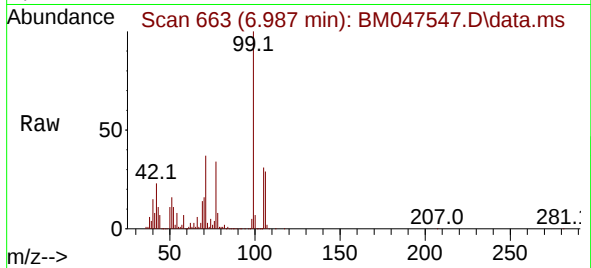




#9
Benzaldehyde
Concen: 15.060 ng
RT: 6.987 min Scan# 663
Delta R.T. -0.000 min
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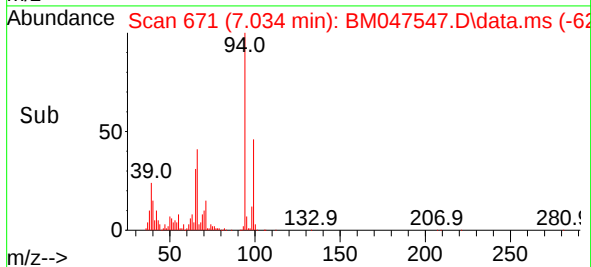
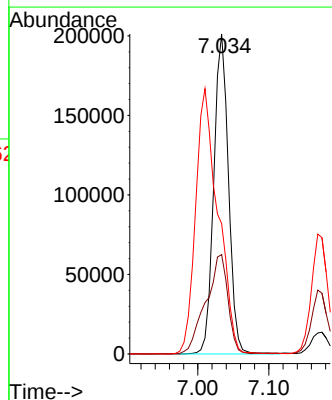
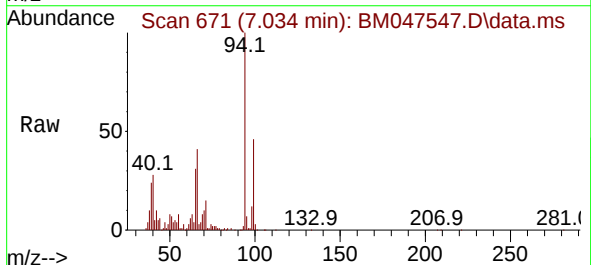
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ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

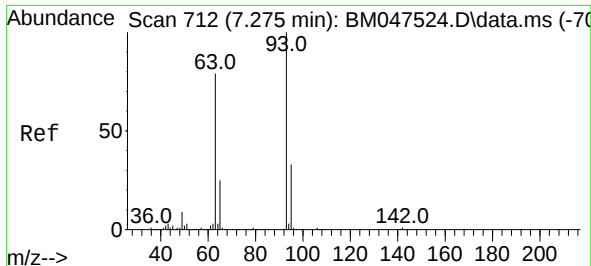
Tgt Ion: 77 Resp: 232130
Ion Ratio Lower Upper
77 100
105 93.3 71.8 111.8
106 87.6 69.7 109.7



#10
Phenol
Concen: 8.902 ng
RT: 7.034 min Scan# 671
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 94 Resp: 288926
Ion Ratio Lower Upper
94 100
65 31.1 10.8 50.8
66 40.8 19.2 59.2

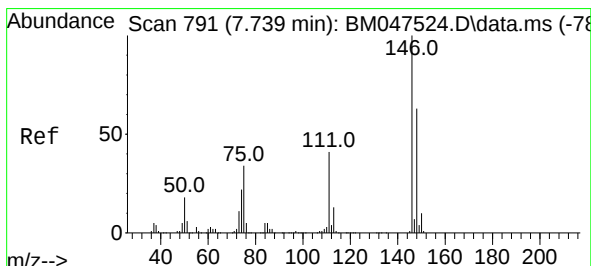
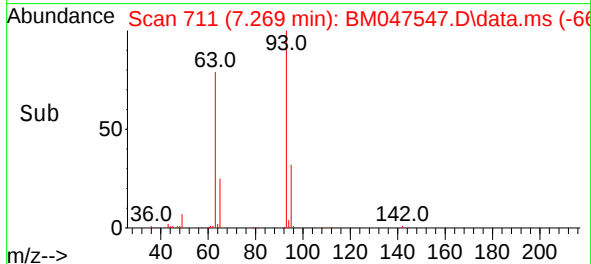
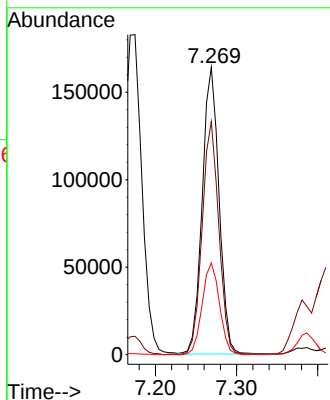
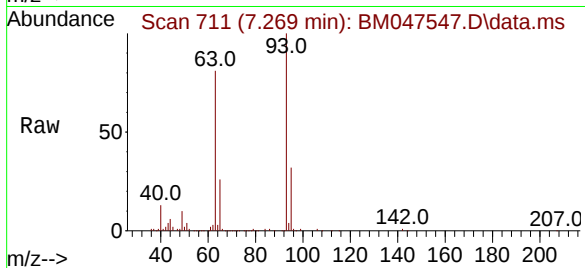




#11
bis(2-Chloroethyl)ether
Concen: 9.041 ng
RT: 7.269 min Scan# 711
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

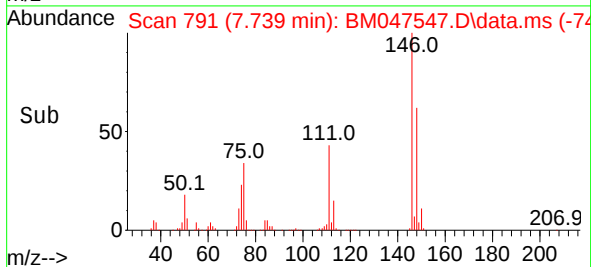
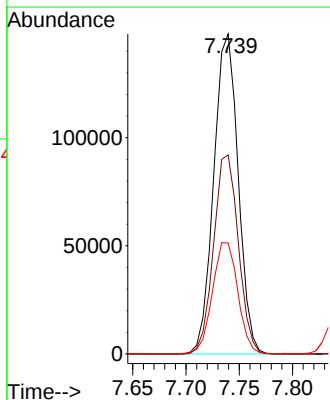
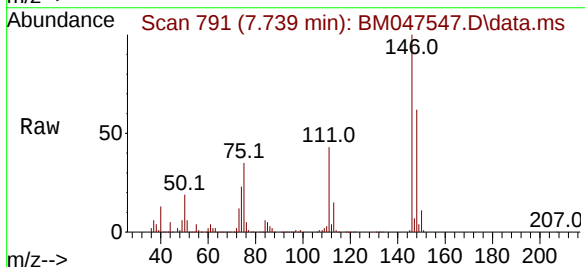
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

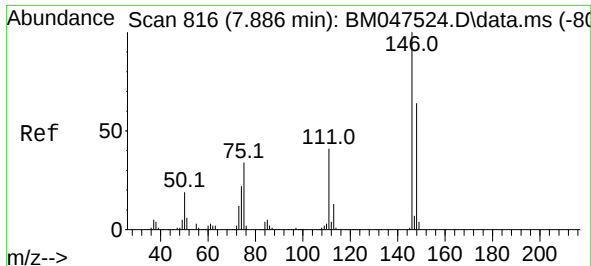
Tgt Ion: 93 Resp: 235586
Ion Ratio Lower Upper
93 100
63 81.1 58.2 98.2
95 31.9 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 8.481 ng
RT: 7.739 min Scan# 791
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:146 Resp: 235549
Ion Ratio Lower Upper
146 100
148 62.2 50.2 75.4
75 34.7 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 8.425 ng

RT: 7.881 min Scan# 816

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

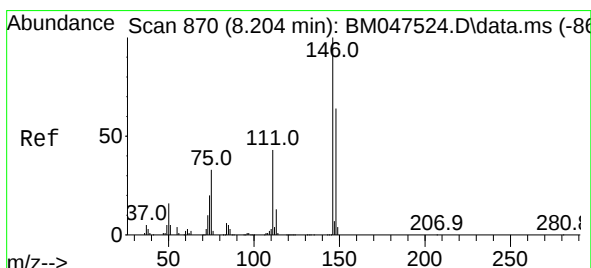
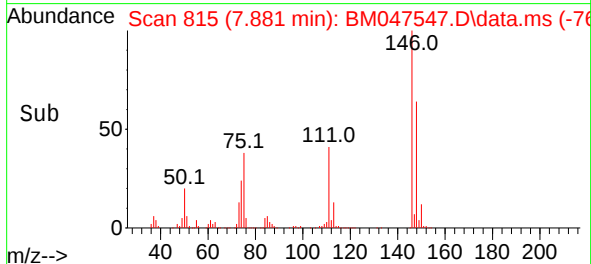
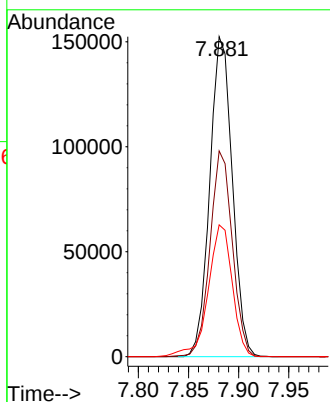
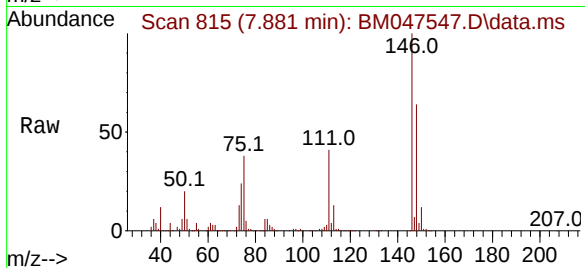
Tgt Ion:146 Resp: 238330

Ion Ratio Lower Upper

146 100

148 64.3 51.3 76.9

111 41.2 32.9 49.3



#14

1,2-Dichlorobenzene

Concen: 8.353 ng

RT: 8.198 min Scan# 869

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

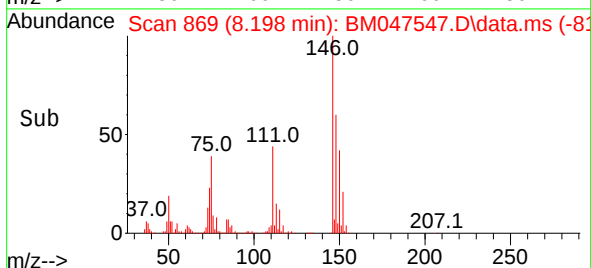
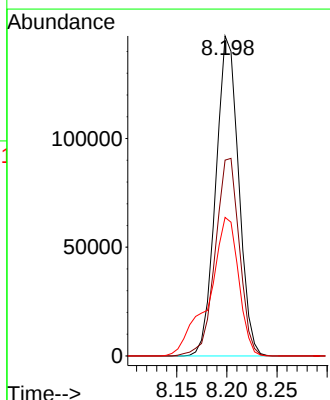
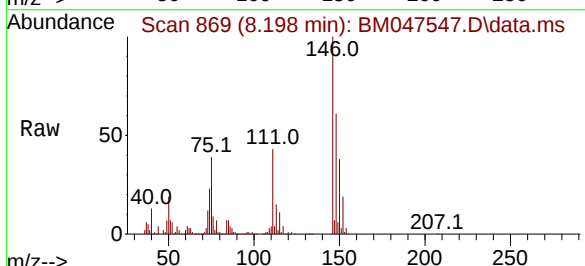
Tgt Ion:146 Resp: 232546

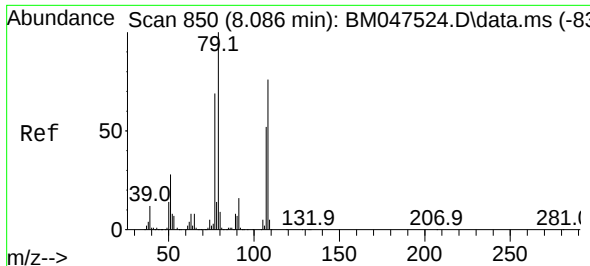
Ion Ratio Lower Upper

146 100

148 61.2 51.1 76.7

111 43.3 34.7 52.1

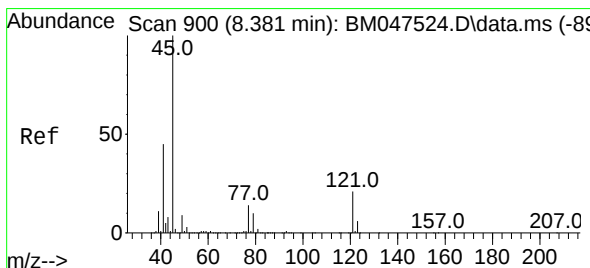
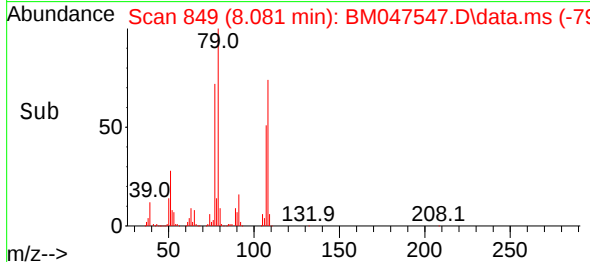
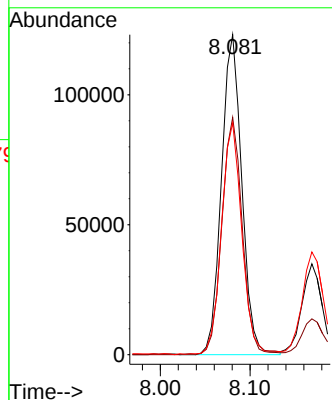
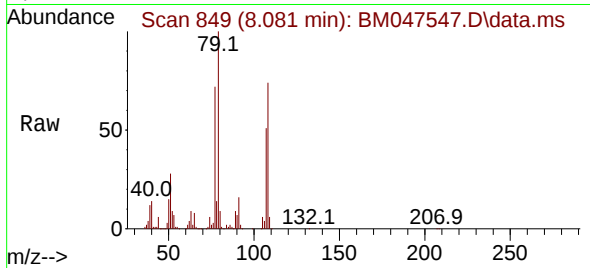




#15
Benzyl Alcohol
Concen: 8.832 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

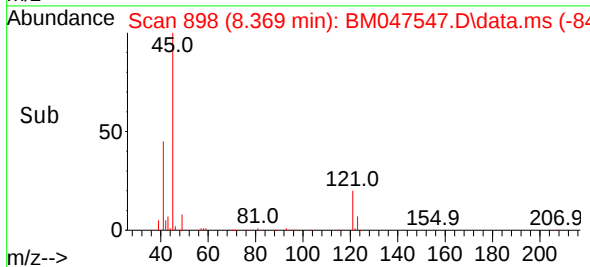
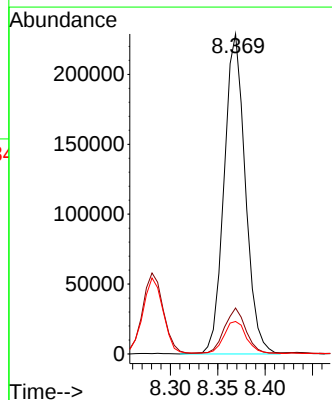
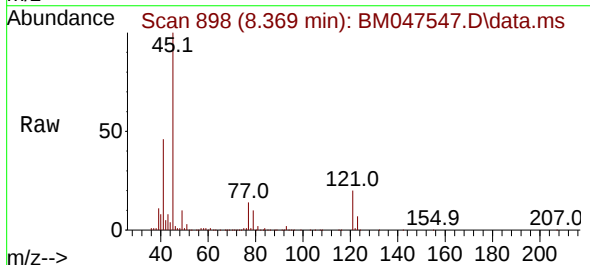
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

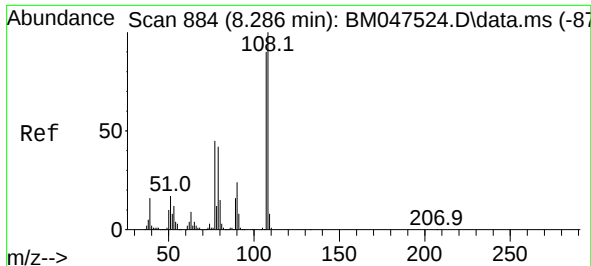
Tgt Ion: 79 Resp: 193930
Ion Ratio Lower Upper
79 100
108 74.1 60.6 91.0
77 72.5 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.734 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 45 Resp: 356811
Ion Ratio Lower Upper
45 100
77 14.4 0.0 33.7
79 10.2 0.0 30.3



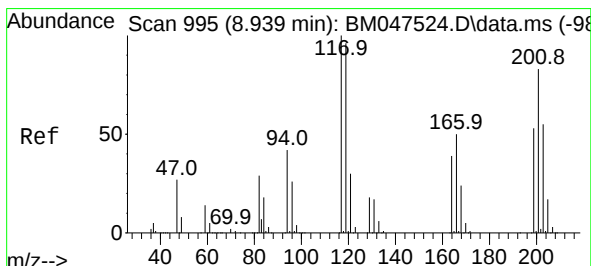
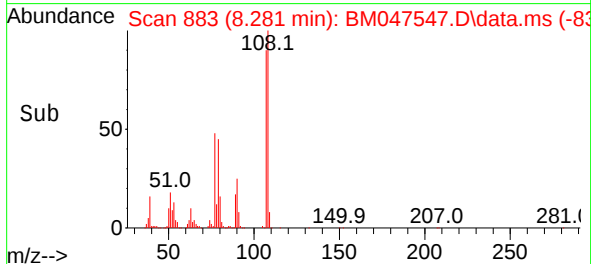
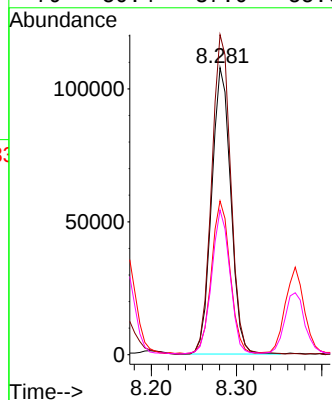
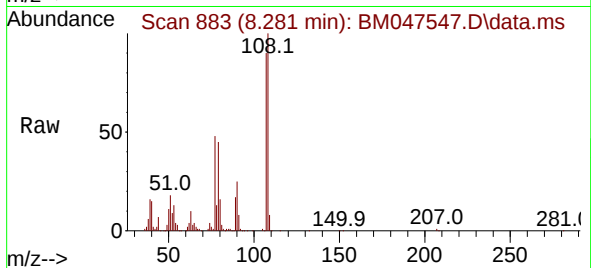


#17
2-Methylphenol
Concen: 8.085 ng
RT: 8.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:107 Resp: 167640

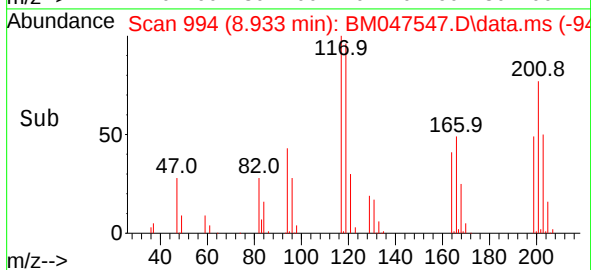
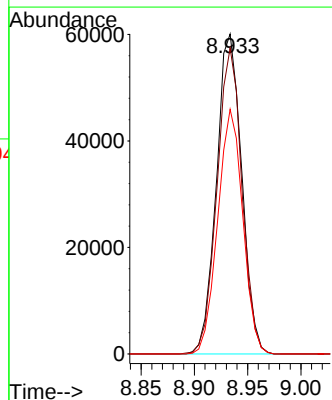
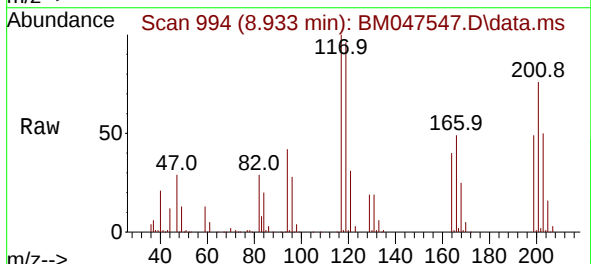
Ion	Ratio	Lower	Upper
107	100		
108	111.5	88.9	133.3
77	53.6	39.8	59.8
79	50.4	37.0	55.6

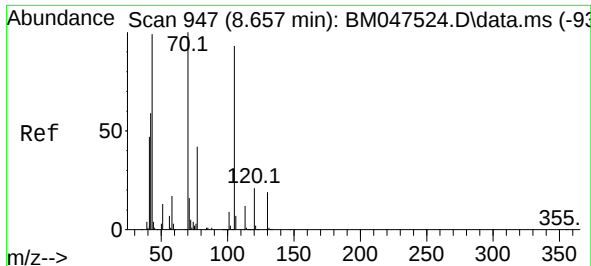


#18
Hexachloroethane
Concen: 8.742 ng
RT: 8.933 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:117 Resp: 98798

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	76.4	66.8	100.2





#19

n-Nitroso-di-n-propylamine

Concen: 8.753 ng

RT: 8.651 min Scan# 946

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 70 Resp: 191316

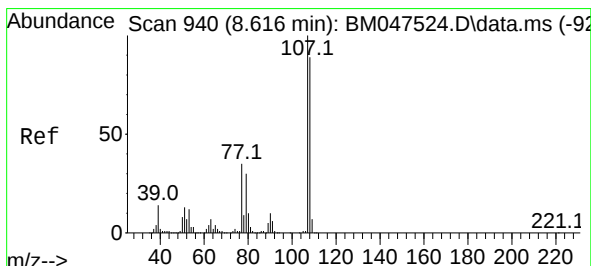
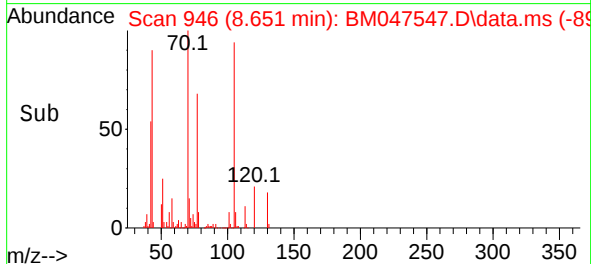
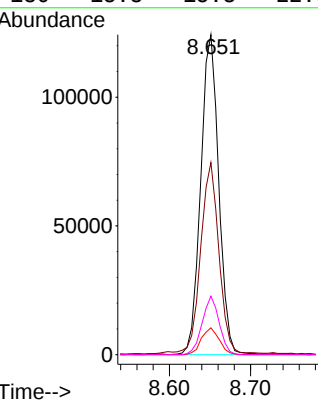
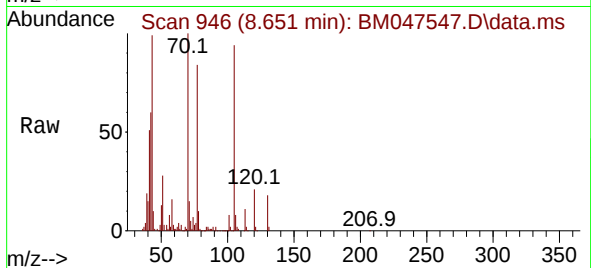
Ion Ratio Lower Upper

70 100

42 60.0 48.2 72.2

101 8.4 7.0 10.4

130 18.3 15.3 22.9



#20

3+4-Methylphenols

Concen: 7.735 ng

RT: 8.610 min Scan# 939

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion: 107 Resp: 223780

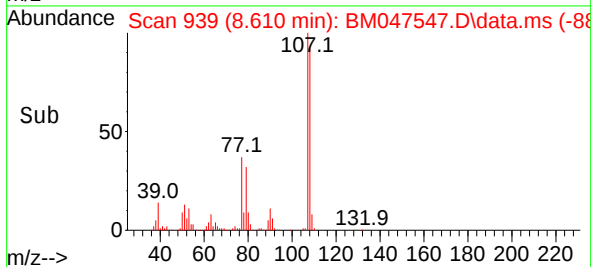
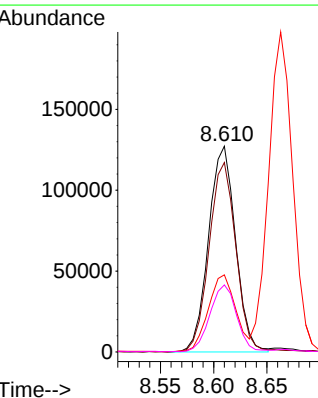
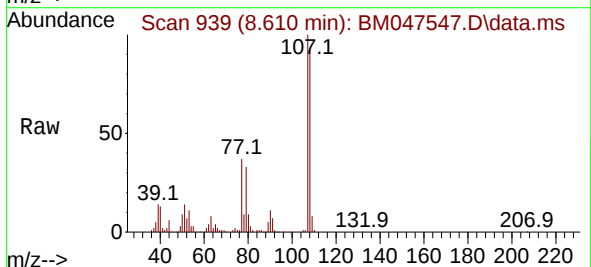
Ion Ratio Lower Upper

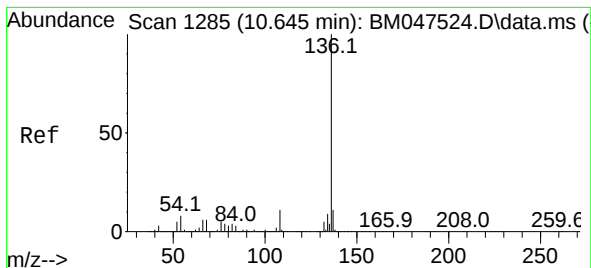
107 100

108 92.1 68.9 108.9

77 37.5 15.5 55.5

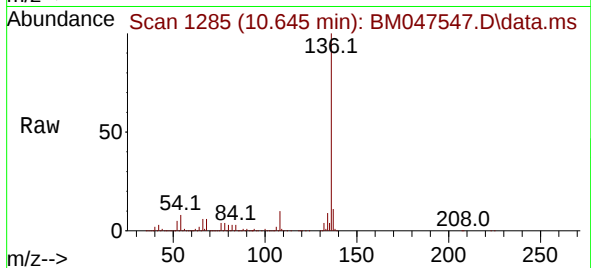
79 32.6 10.0 50.0



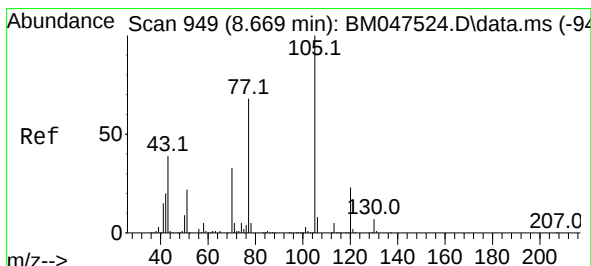
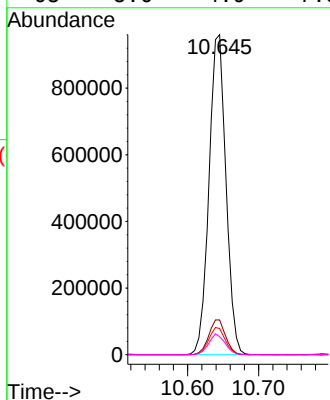
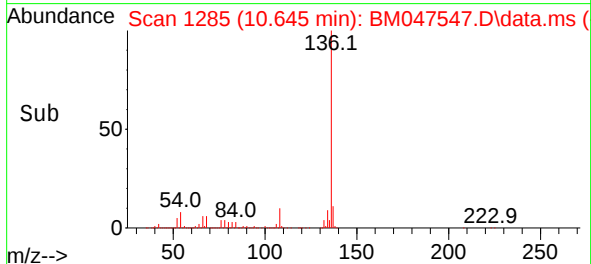


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

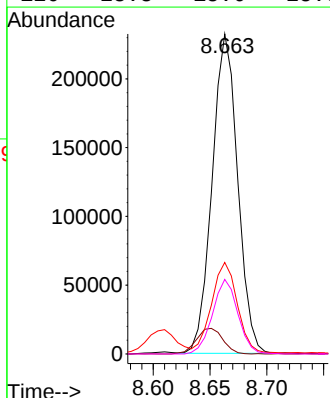
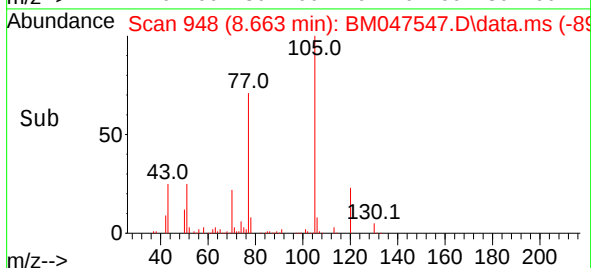
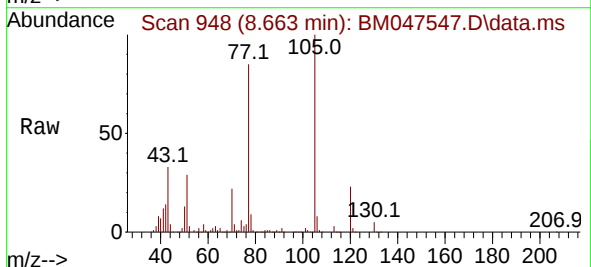


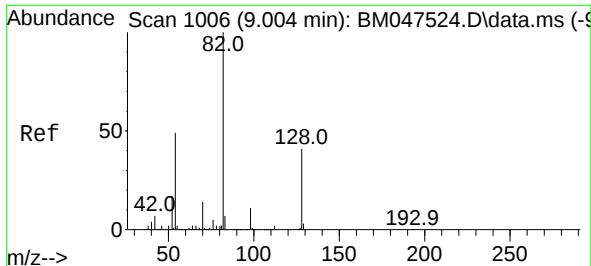
Tgt Ion:136 Resp: 1589437
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.1 6.6 9.8
68 5.6 4.9 7.3



#22
Acetophenone
Concen: 8.673 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:105 Resp: 362435
Ion Ratio Lower Upper
105 100
71 3.6 4.3 6.5#
51 28.6 21.5 32.3
120 23.3 18.6 28.0





#23

Nitrobenzene-d5

Concen: 104.716 ng

RT: 9.004 min Scan# 1006

Delta R.T. -0.000 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

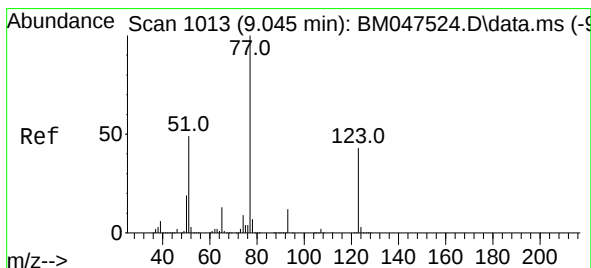
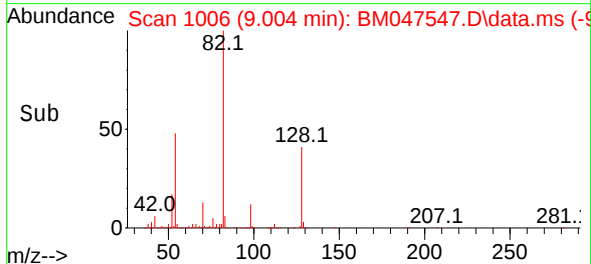
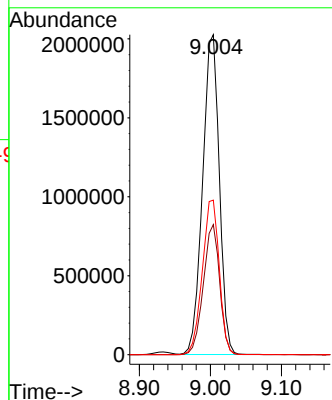
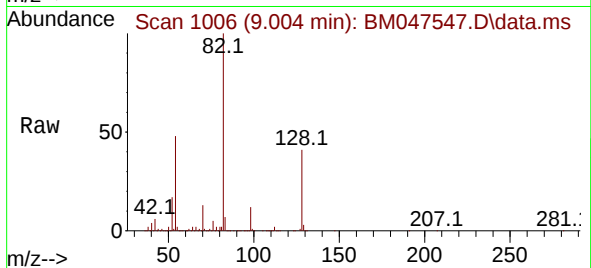
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 82 Resp: 3325735

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	48.3	39.3	58.9



#24

Nitrobenzene

Concen: 9.134 ng

RT: 9.039 min Scan# 1012

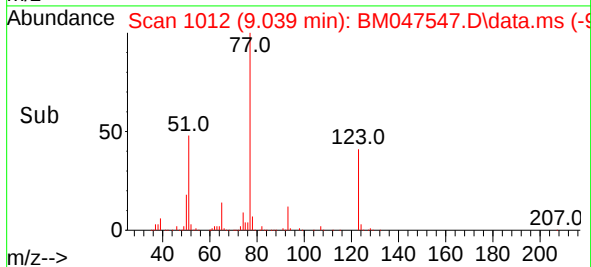
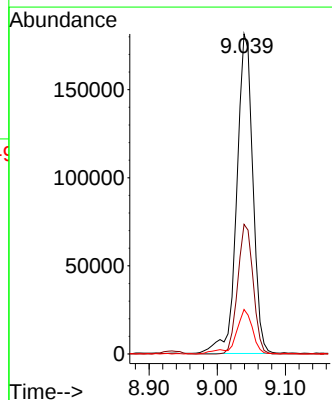
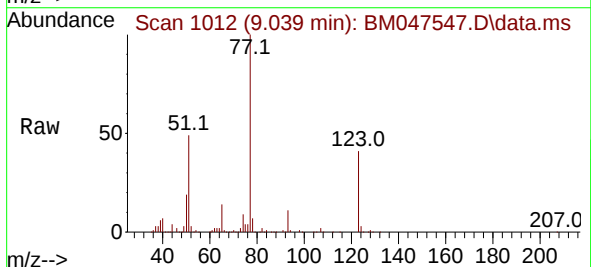
Delta R.T. -0.006 min

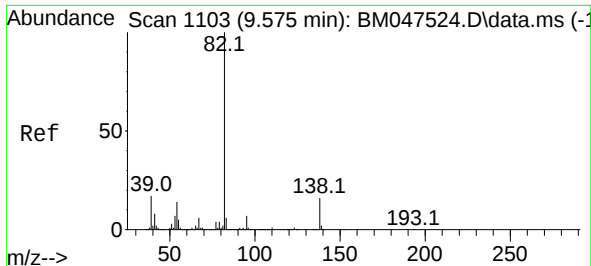
Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion: 77 Resp: 298085

Ion	Ratio	Lower	Upper
77	100		
123	40.5	34.5	51.7
65	13.9	10.7	16.1





#25

Isophorone

Concen: 8.887 ng

RT: 9.569 min Scan# 1102

Delta R.T. -0.006 min

Lab File: BM047547.D

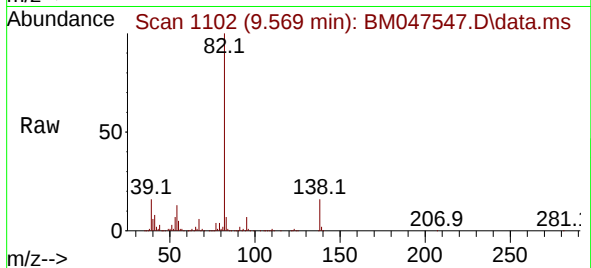
Acq: 17 Sep 2024 17:07

Instrument :

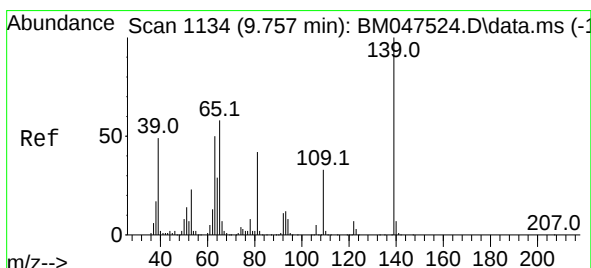
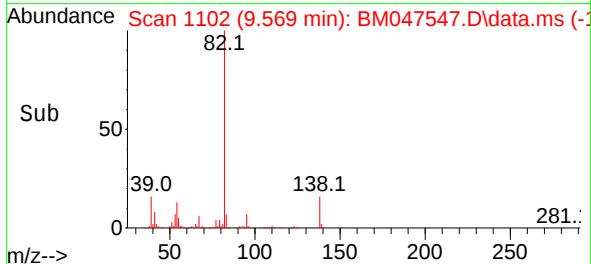
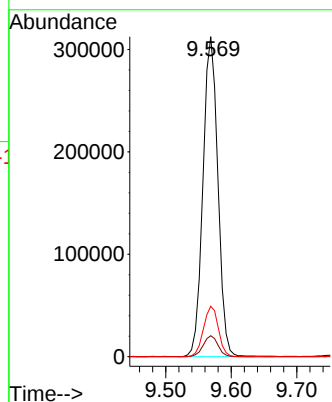
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:	82	Resp:	496181
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	15.7	12.9	19.3



#26

2-Nitrophenol

Concen: 7.440 ng

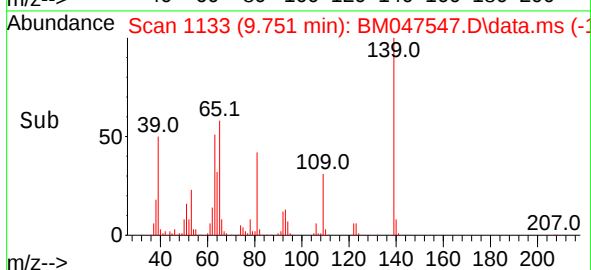
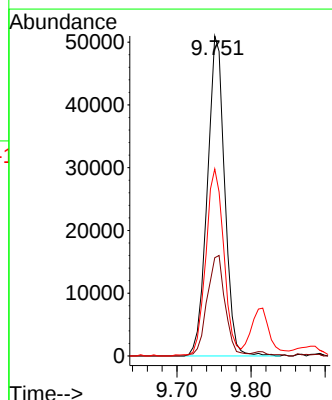
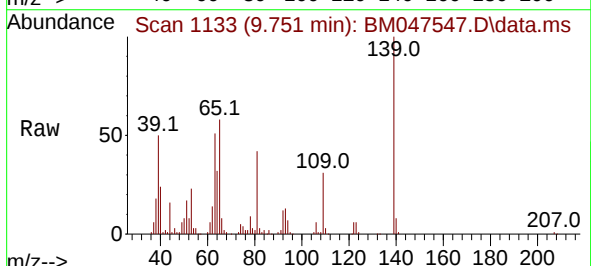
RT: 9.751 min Scan# 1133

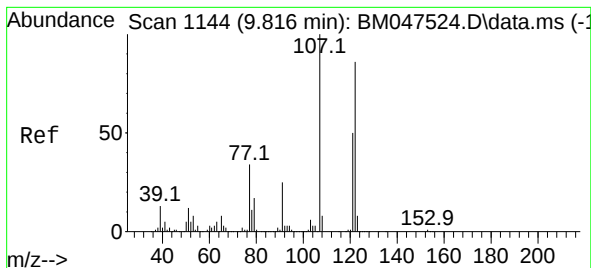
Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:	139	Resp:	82743
Ion	Ratio	Lower	Upper
139	100		
109	30.7	26.0	39.0
65	58.4	46.2	69.4





#27

2,4-Dimethylphenol

Concen: 6.145 ng

RT: 9.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

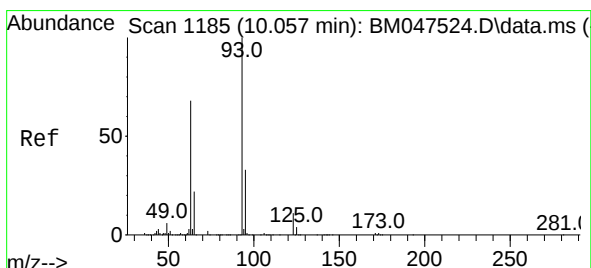
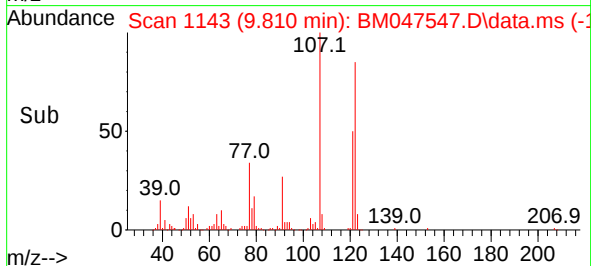
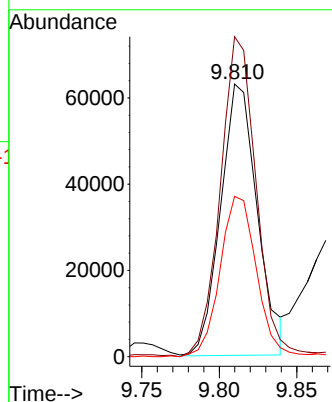
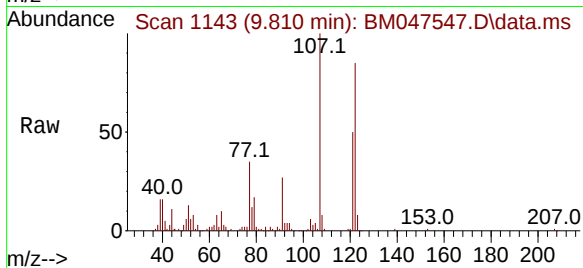
Tgt Ion:122 Resp: 103590

Ion Ratio Lower Upper

122 100

107 117.4 92.4 138.6

121 58.8 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 8.702 ng

RT: 10.051 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

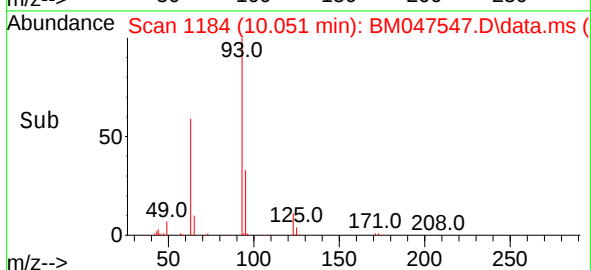
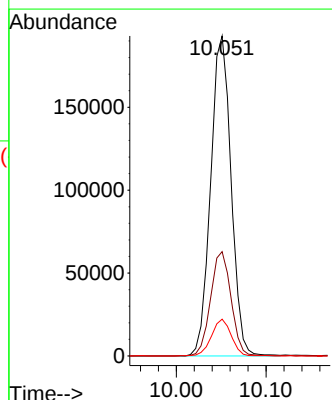
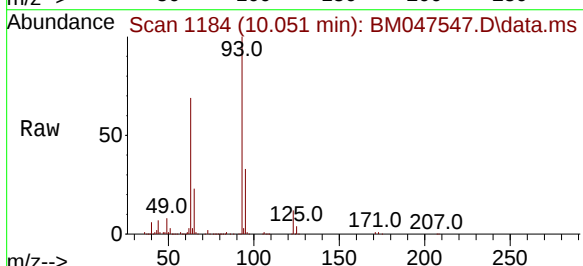
Tgt Ion: 93 Resp: 305187

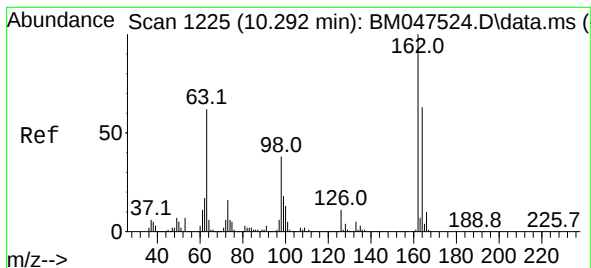
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 11.5 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 7.746 ng

RT: 10.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

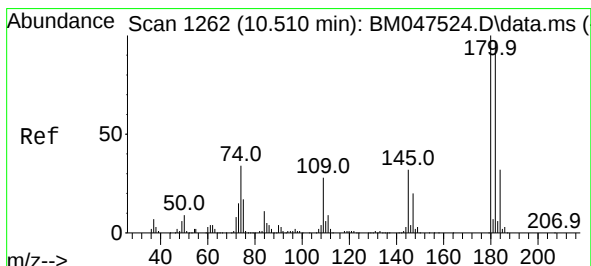
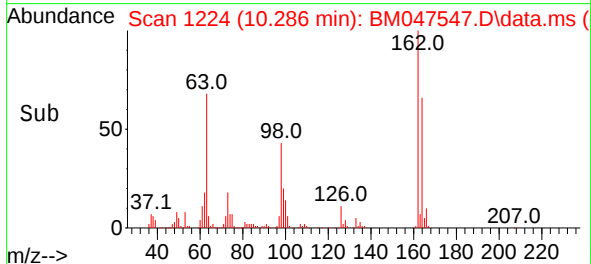
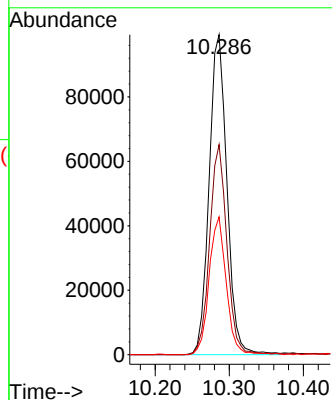
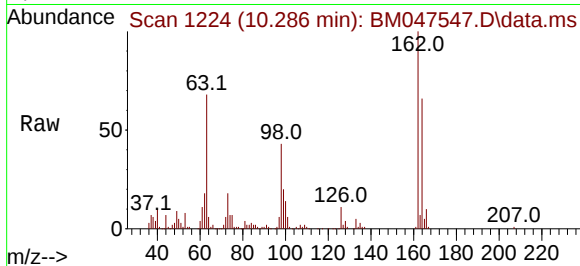
Tgt Ion:162 Resp: 165910

Ion Ratio Lower Upper

162 100

164 65.7 43.5 83.5

98 43.0 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 7.947 ng

RT: 10.504 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

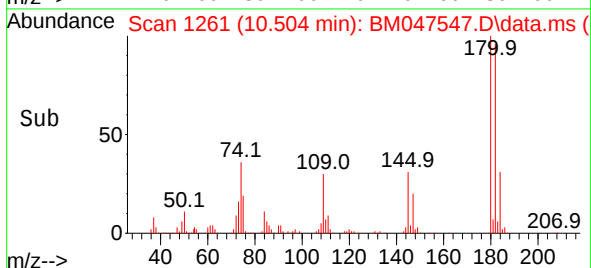
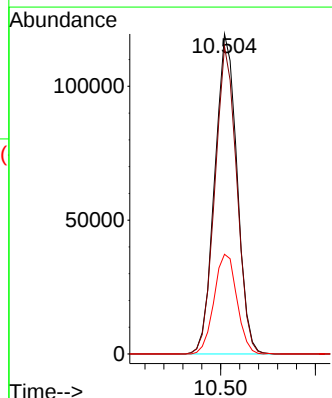
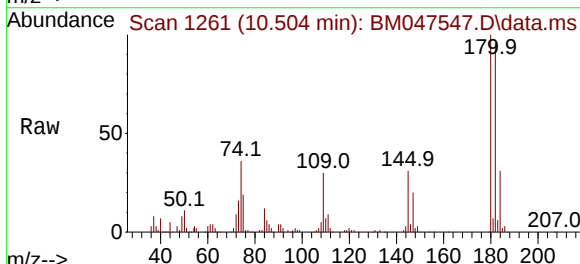
Tgt Ion:180 Resp: 194957

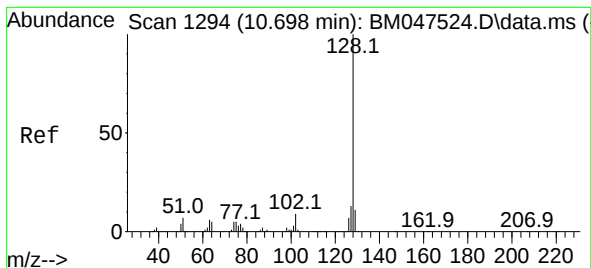
Ion Ratio Lower Upper

180 100

182 96.1 77.6 116.4

145 31.2 25.4 38.0





#31

Naphthalene

Concen: 8.134 ng

RT: 10.692 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

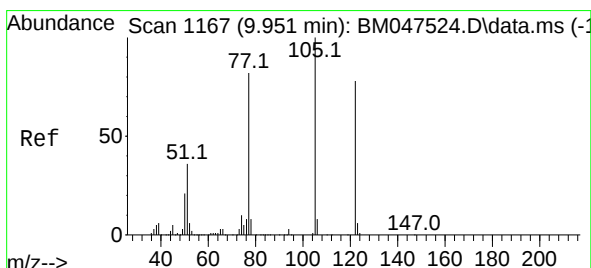
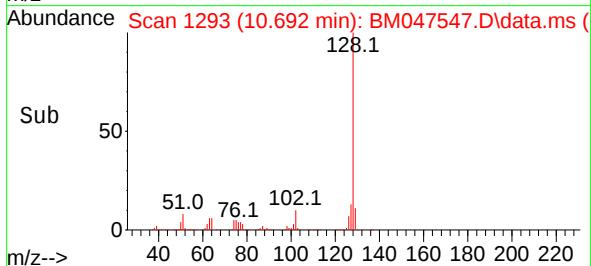
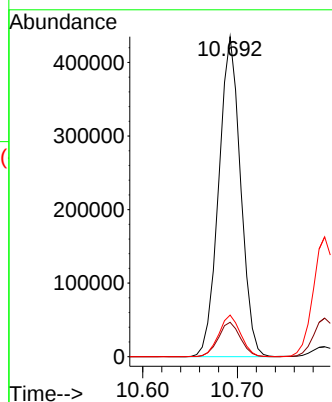
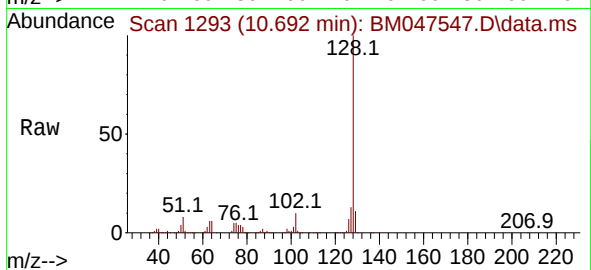
Tgt Ion:128 Resp: 698236

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.0 10.5 15.7



#32

Benzoic acid

Concen: 10.803 ng

RT: 9.880 min Scan# 1155

Delta R.T. -0.071 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

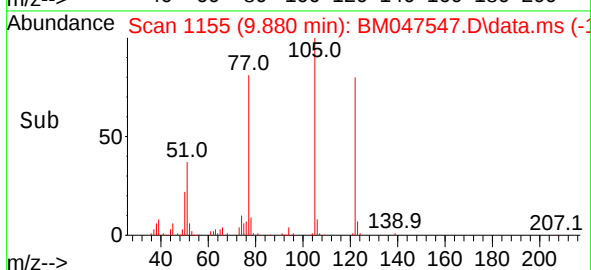
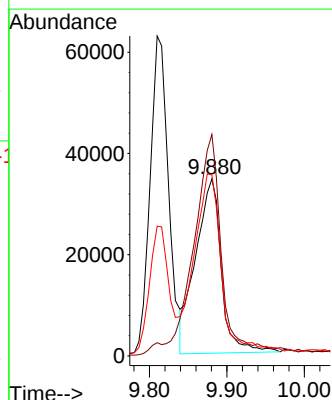
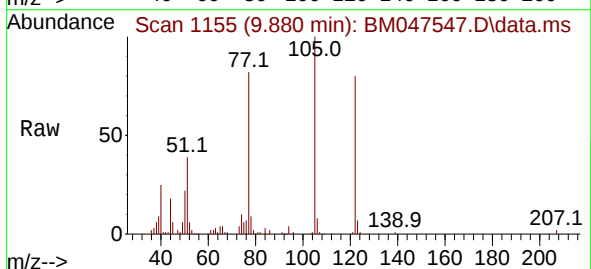
Tgt Ion:122 Resp: 79264

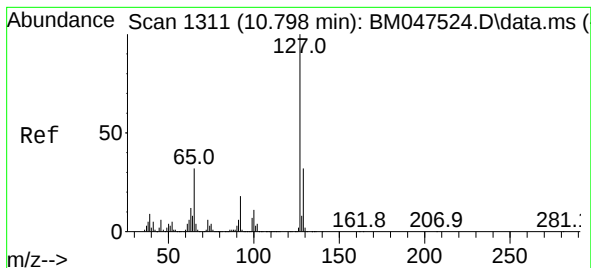
Ion Ratio Lower Upper

122 100

105 125.1 104.7 144.7

77 102.4 83.4 123.4





#33

4-Chloroaniline

Concen: 8.861 ng

RT: 10.792 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:127 Resp: 275028

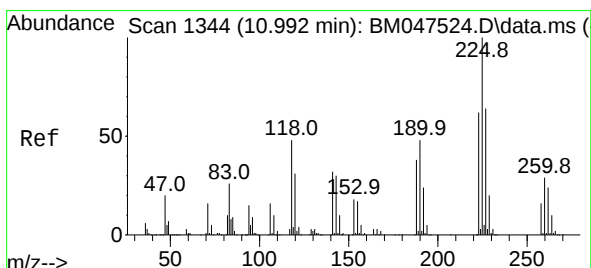
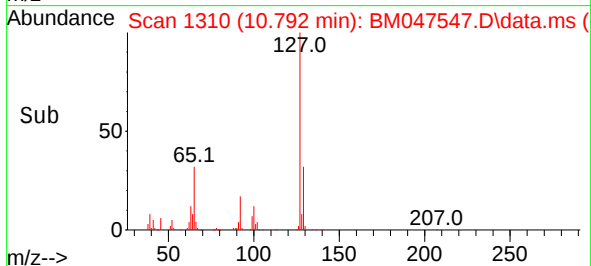
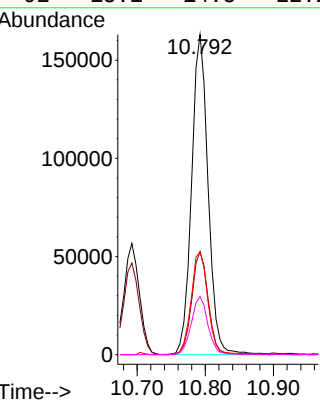
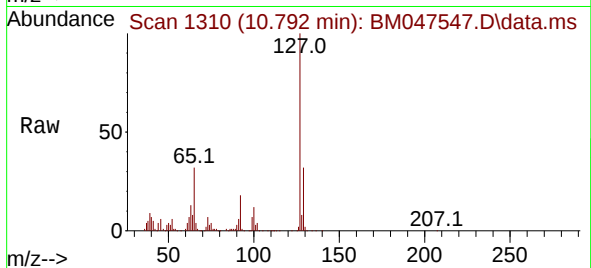
Ion Ratio Lower Upper

127 100

129 32.2 25.4 38.0

65 32.2 25.5 38.3

92 18.1 14.8 22.2



#34

Hexachlorobutadiene

Concen: 7.558 ng

RT: 10.986 min Scan# 1343

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

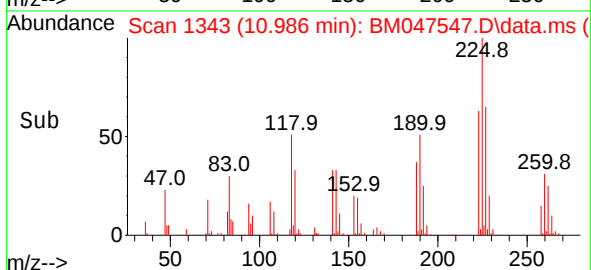
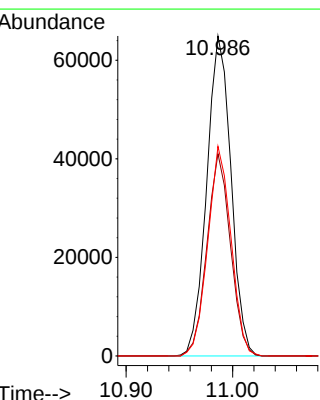
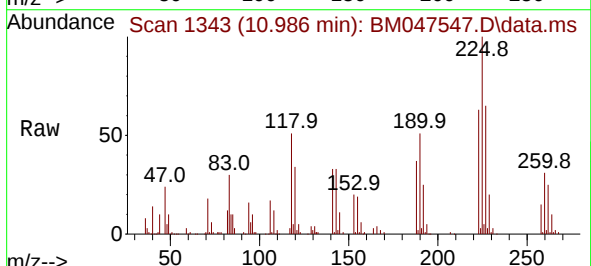
Tgt Ion:225 Resp: 102701

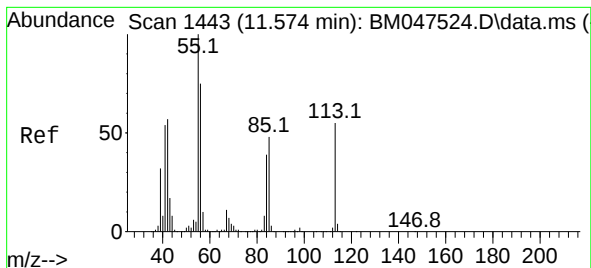
Ion Ratio Lower Upper

225 100

223 63.2 49.8 74.6

227 65.5 51.0 76.4





#35

Caprolactam

Concen: 7.964 ng

RT: 11.551 min Scan# 1443

Delta R.T. -0.024 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

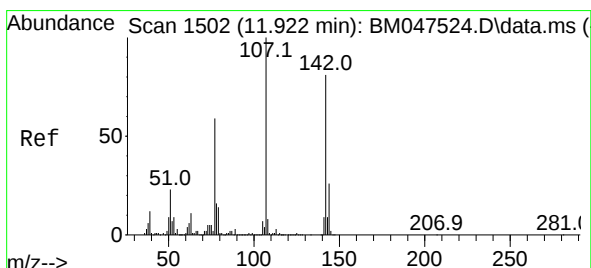
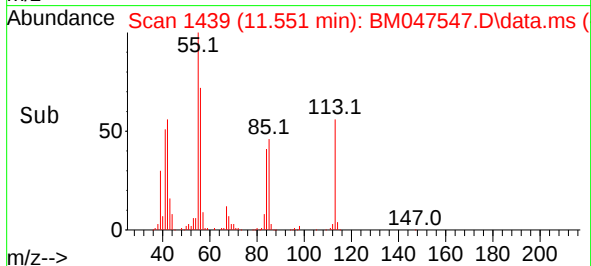
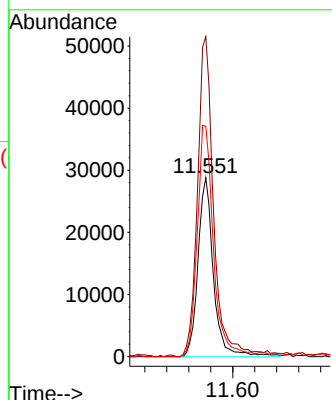
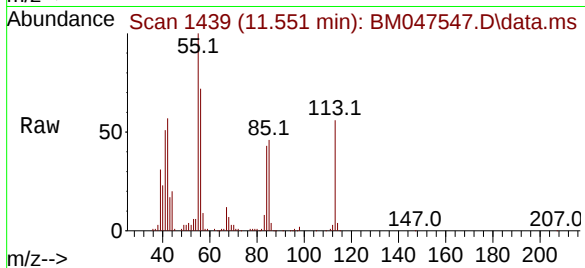
Tgt Ion:113 Resp: 56184

Ion Ratio Lower Upper

113 100

55 179.0 162.5 202.5

56 129.0 116.5 156.5



#36

4-Chloro-3-methylphenol

Concen: 7.702 ng

RT: 11.910 min Scan# 1500

Delta R.T. -0.012 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

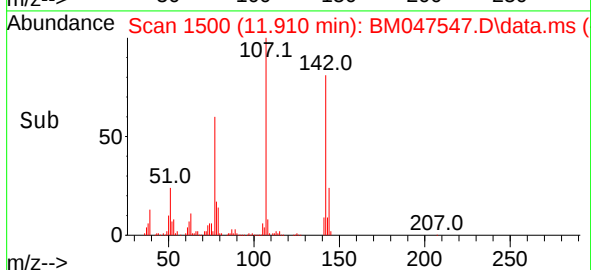
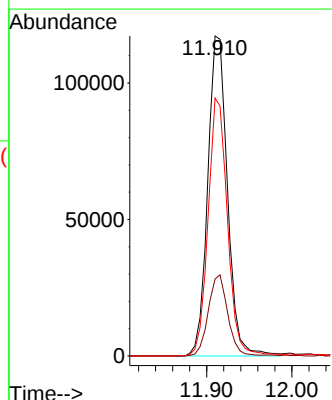
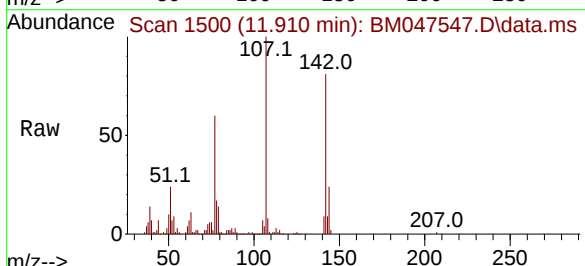
Tgt Ion:107 Resp: 189048

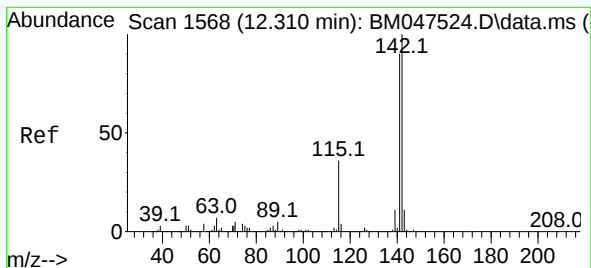
Ion Ratio Lower Upper

107 100

144 24.1 20.5 30.7

142 80.5 65.0 97.4





#37

2-Methylnaphthalene

Concen: 7.762 ng

RT: 12.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

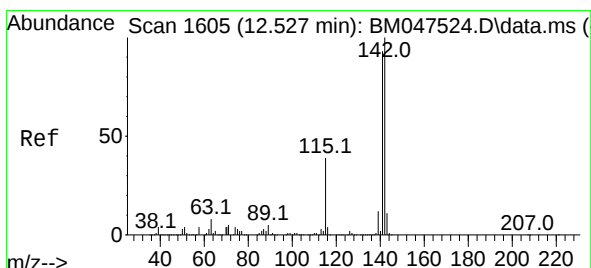
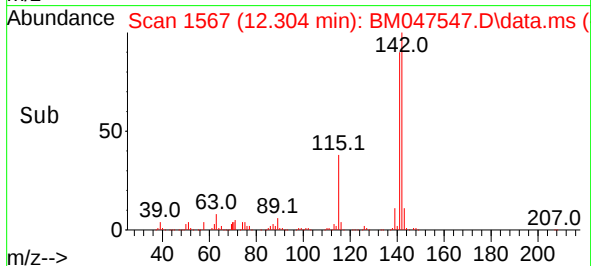
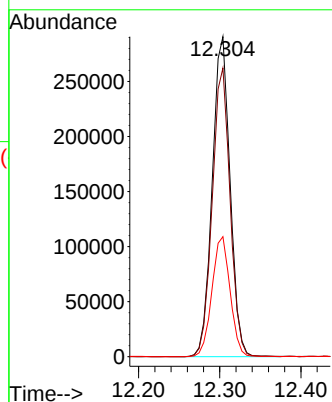
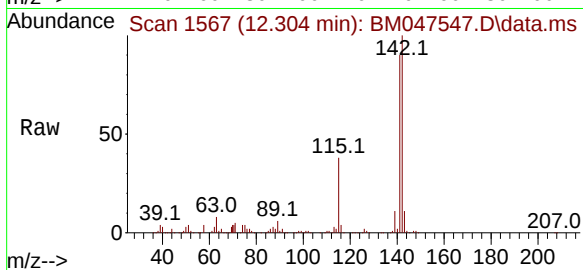
Tgt Ion:142 Resp: 443437

Ion Ratio Lower Upper

142 100

141 90.2 72.2 108.4

115 37.5 29.1 43.7



#38

1-Methylnaphthalene

Concen: 7.339 ng

RT: 12.521 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

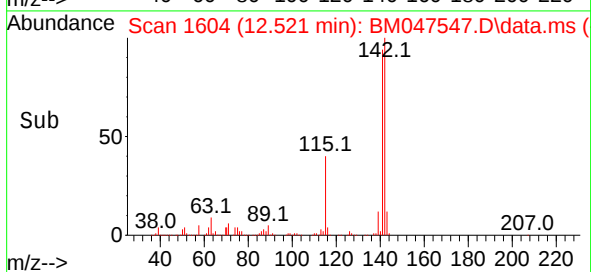
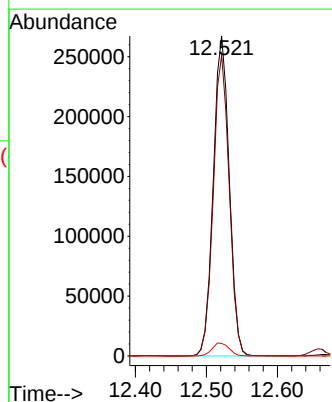
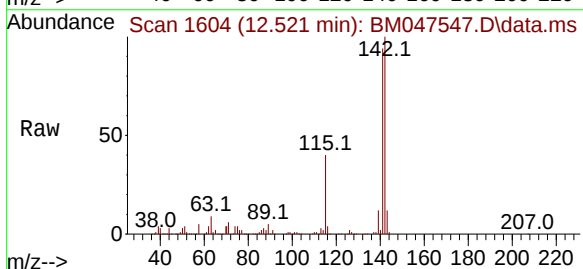
Tgt Ion:142 Resp: 416659

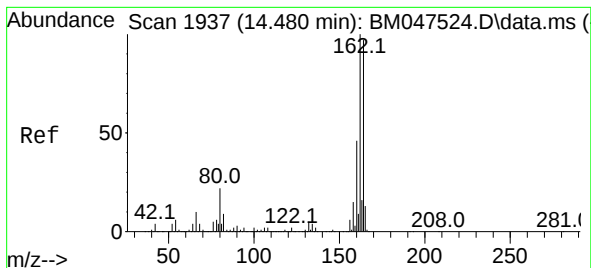
Ion Ratio Lower Upper

142 100

141 93.9 74.7 112.1

116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.474 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

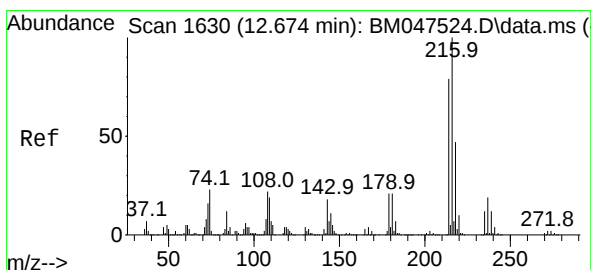
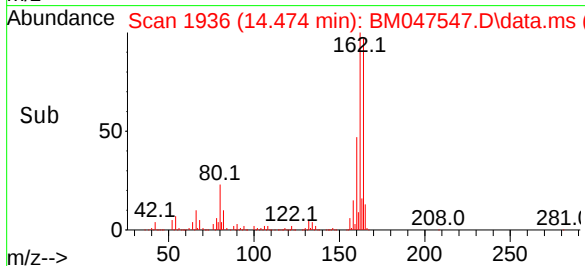
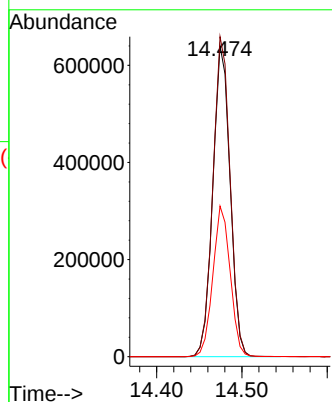
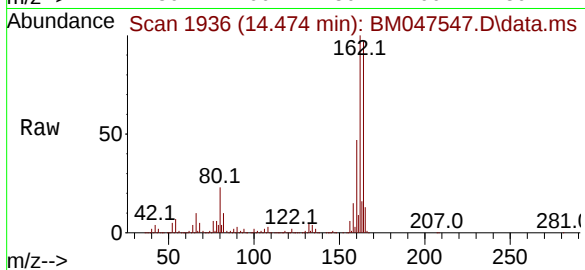
Tgt Ion:164 Resp: 901805

Ion Ratio Lower Upper

164 100

162 102.9 82.2 123.2

160 48.4 38.2 57.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.866 ng

RT: 12.669 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:216 Resp: 191955

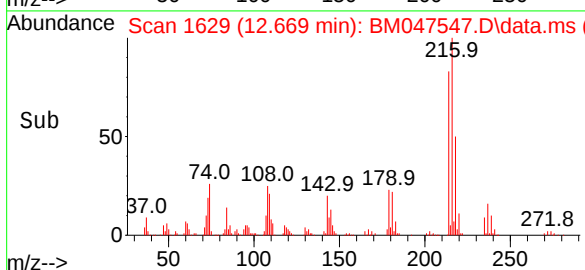
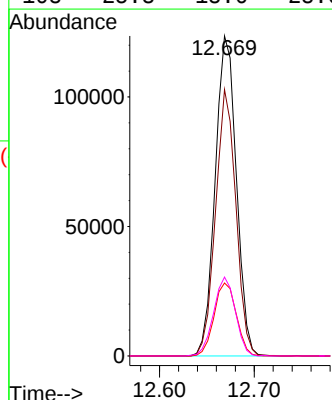
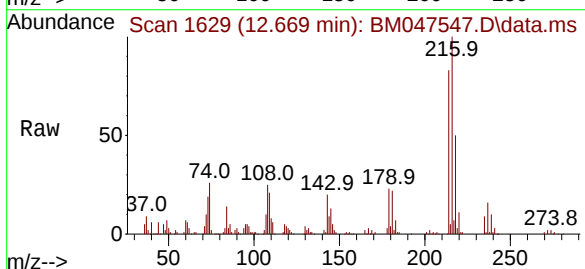
Ion Ratio Lower Upper

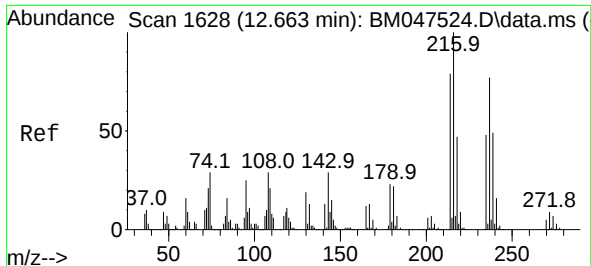
216 100

214 79.9 63.0 94.6

179 23.9 17.5 26.3

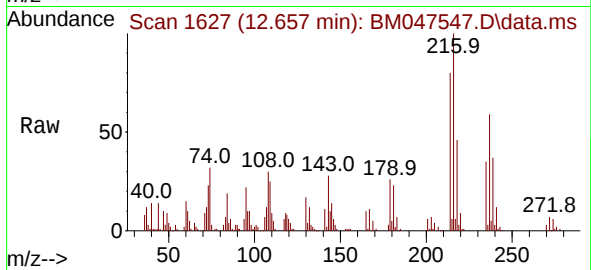
108 25.3 18.6 28.0



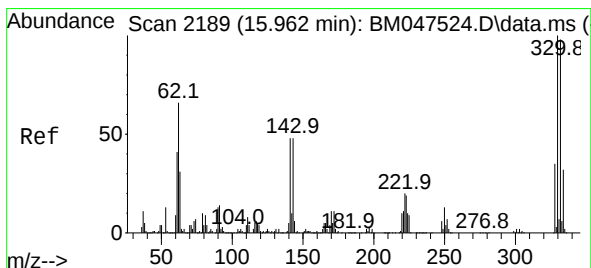
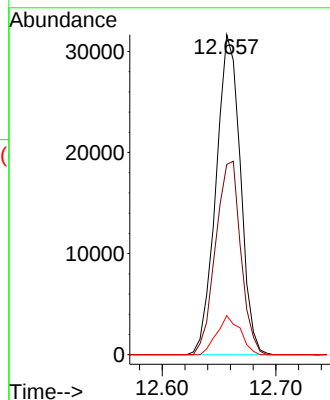
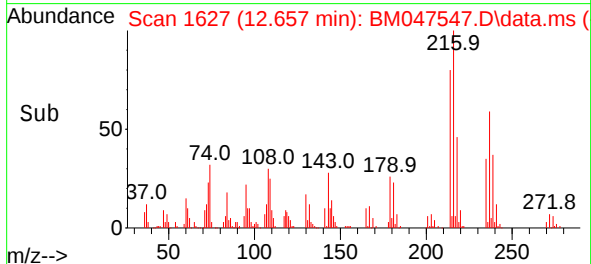


#41
Hexachlorocyclopentadiene
Concen: 5.921 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

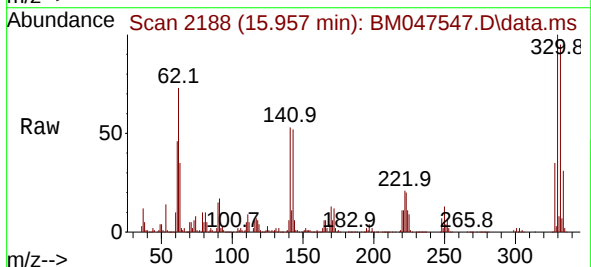
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



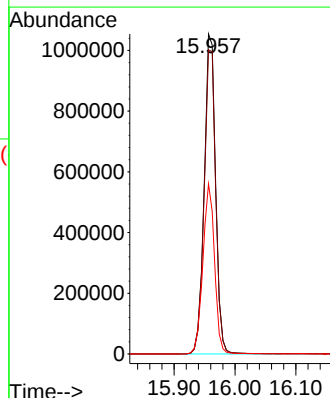
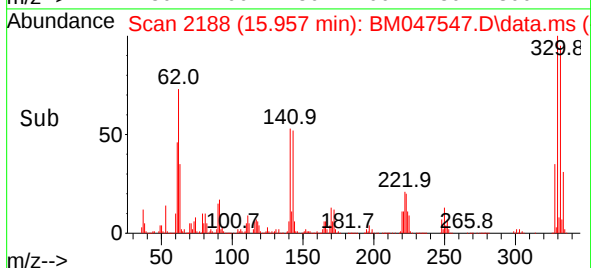
Tgt Ion:237 Resp: 47230
Ion Ratio Lower Upper
237 100
235 59.5 42.0 82.0
272 12.2 0.0 31.5

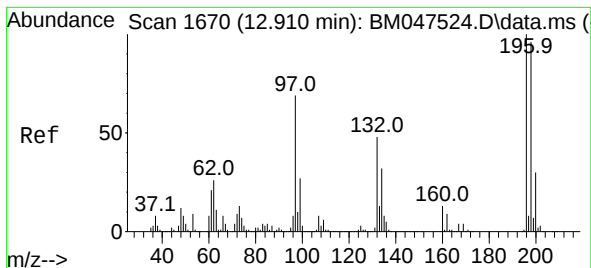


#42
2,4,6-Tribromophenol
Concen: 157.704 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



Tgt Ion:330 Resp: 1374665
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 54.4 42.2 63.2





#43

2,4,6-Trichlorophenol

Concen: 7.371 ng

RT: 12.910 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

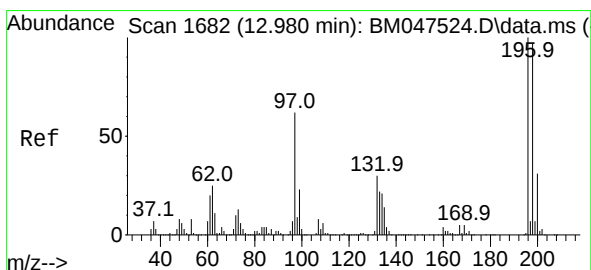
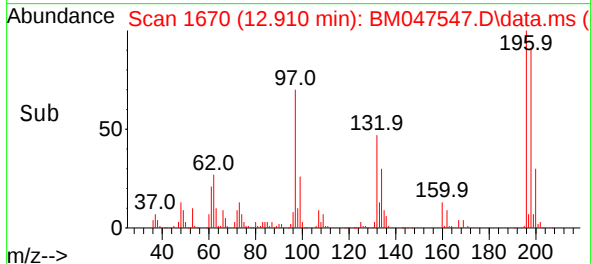
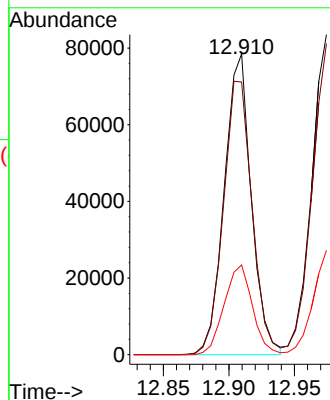
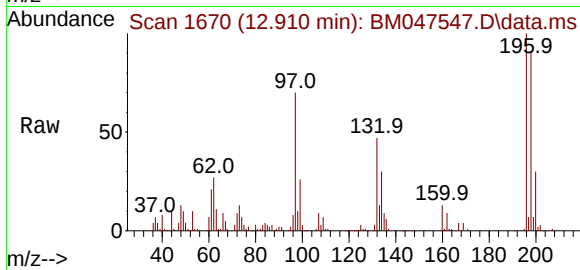
Tgt Ion:196 Resp: 112688

Ion Ratio Lower Upper

196 100

198 90.7 76.9 115.3

200 29.8 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 7.331 ng

RT: 12.974 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:196 Resp: 126595

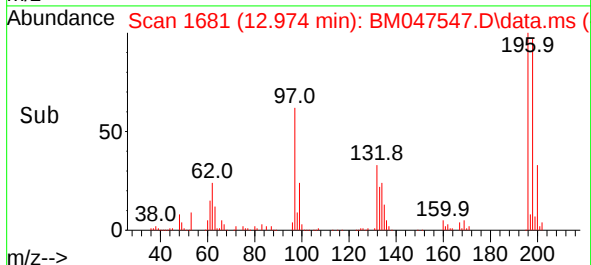
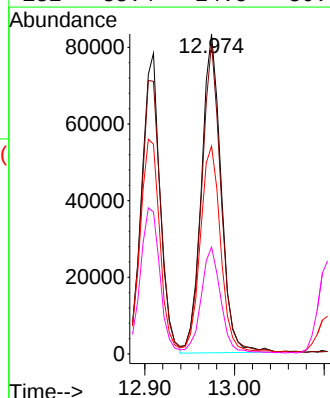
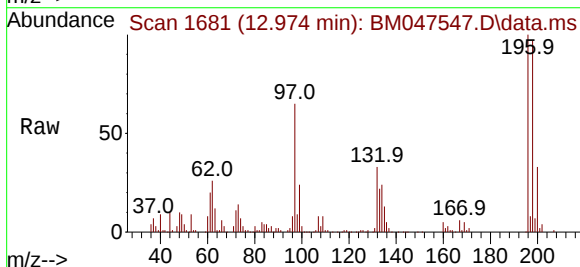
Ion Ratio Lower Upper

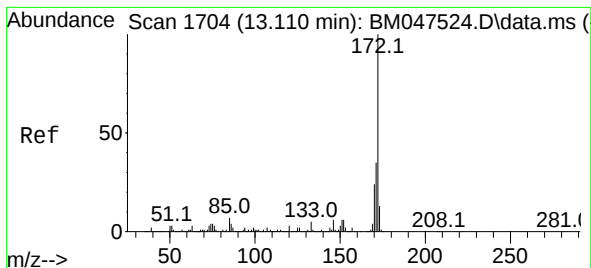
196 100

198 97.3 77.4 116.2

97 64.9 49.8 74.8

132 33.4 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 104.447 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

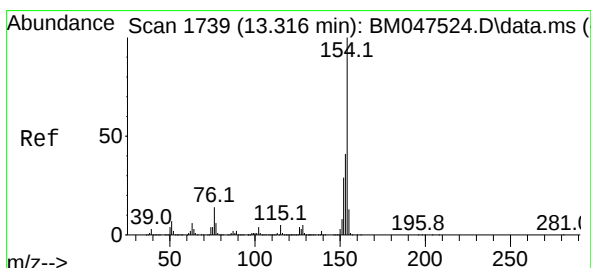
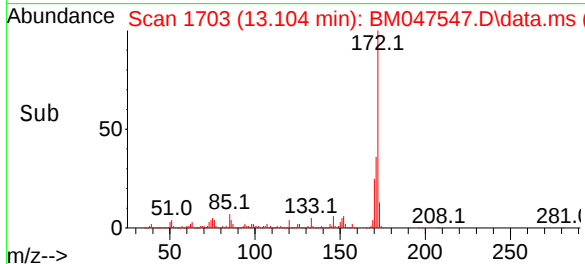
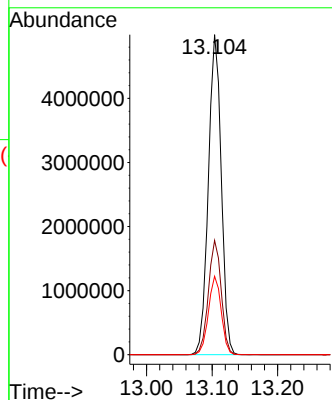
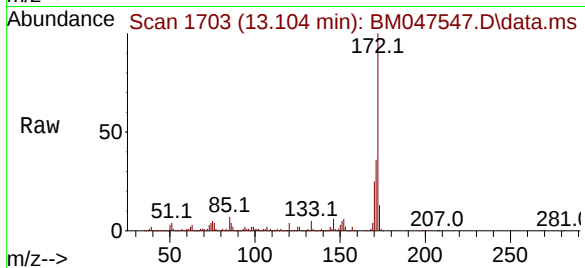
Tgt Ion:172 Resp: 6837722

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 24.5 19.4 29.0



#46

1,1'-Biphenyl

Concen: 8.492 ng

RT: 13.310 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

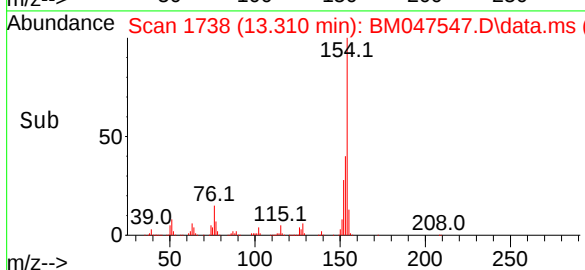
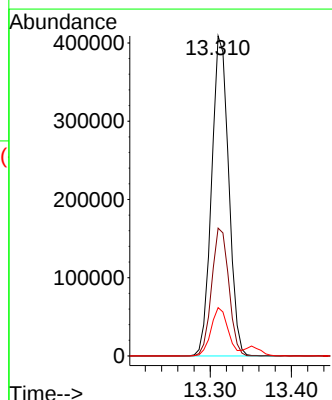
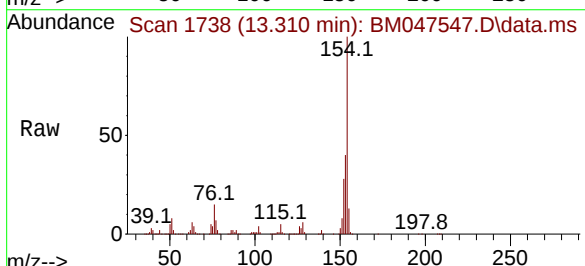
Tgt Ion:154 Resp: 595812

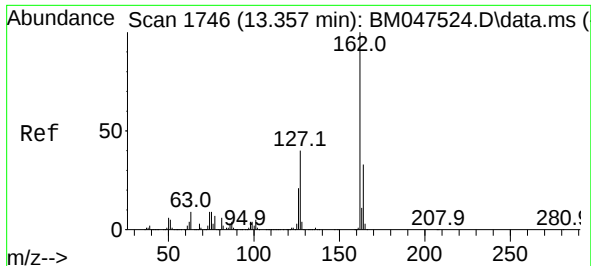
Ion Ratio Lower Upper

154 100

153 40.0 20.6 60.6

76 15.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 7.961 ng

RT: 13.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

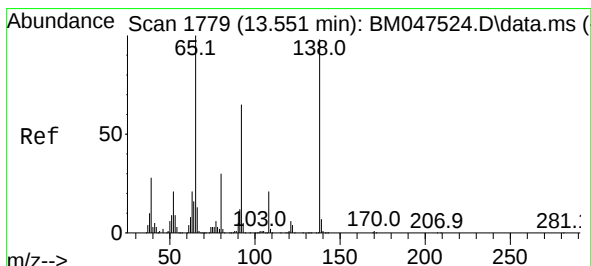
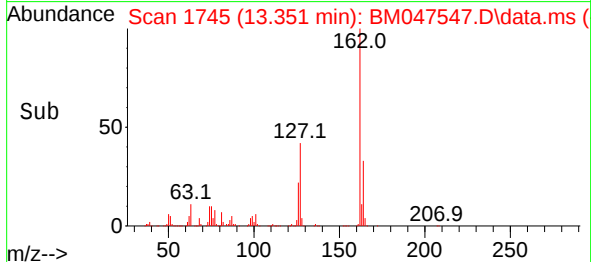
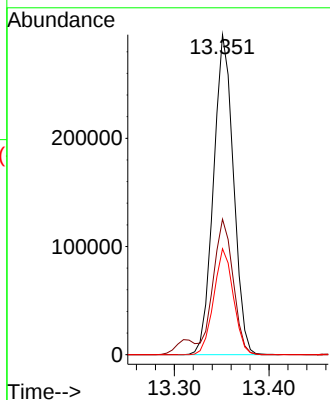
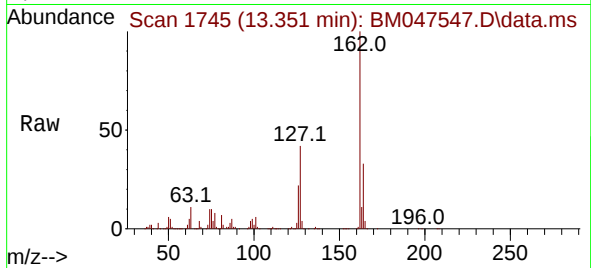
Tgt Ion:162 Resp: 433719

Ion Ratio Lower Upper

162 100

127 42.3 32.2 48.4

164 33.1 26.3 39.5



#48

2-Nitroaniline

Concen: 7.792 ng

RT: 13.545 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

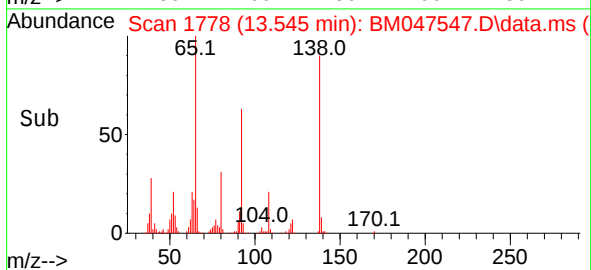
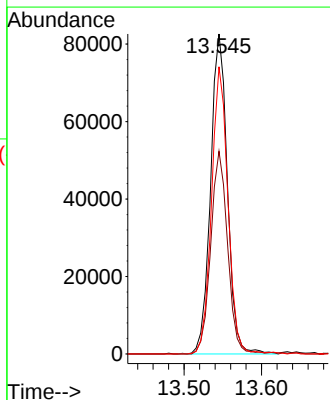
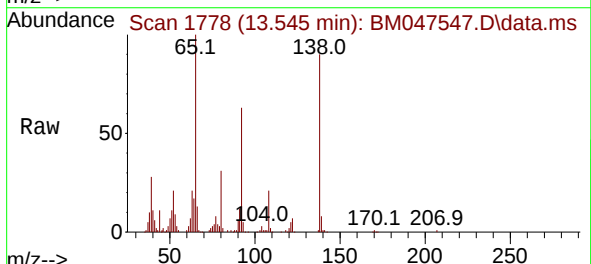
Tgt Ion: 65 Resp: 124687

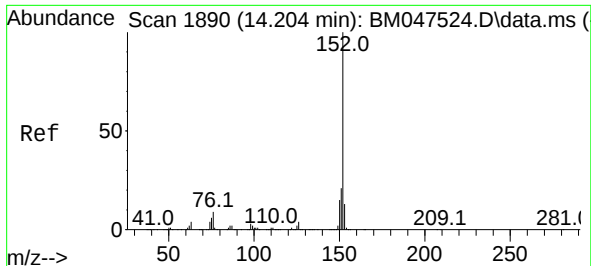
Ion Ratio Lower Upper

65 100

92 63.3 51.9 77.9

138 89.7 78.5 117.7

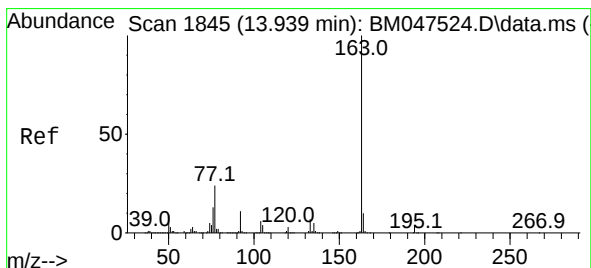
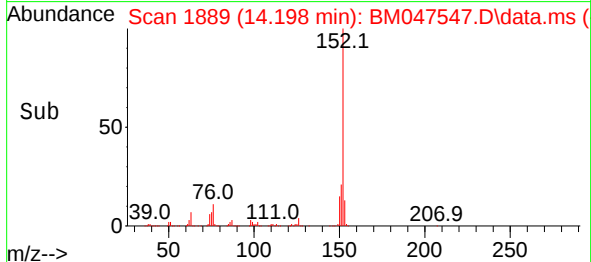
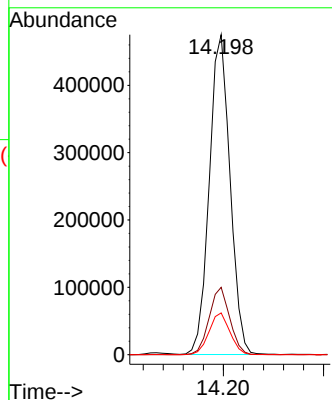
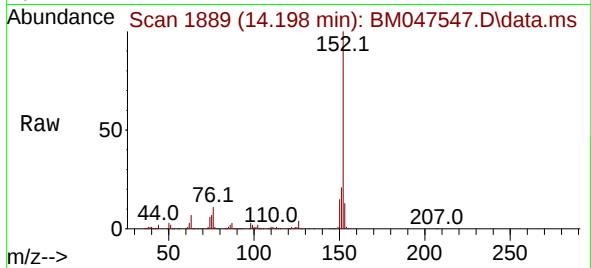




#49
Acenaphthylene
Concen: 8.697 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

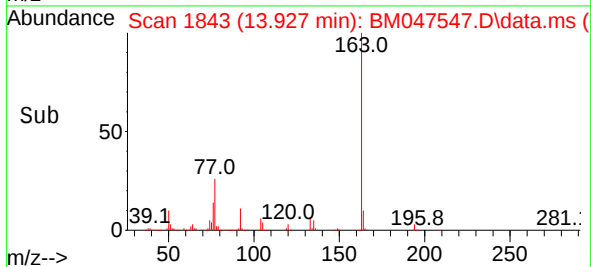
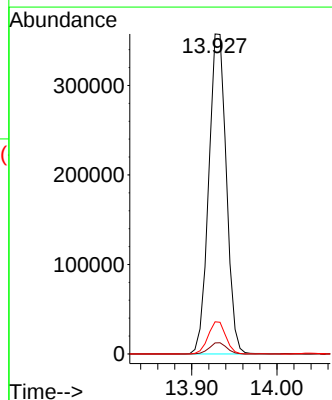
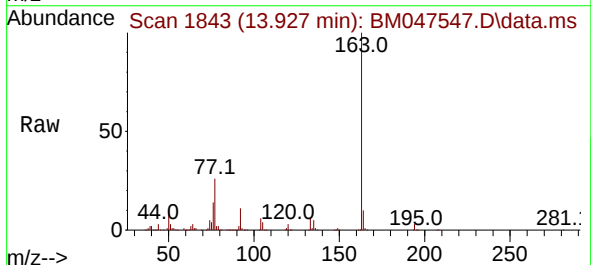
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

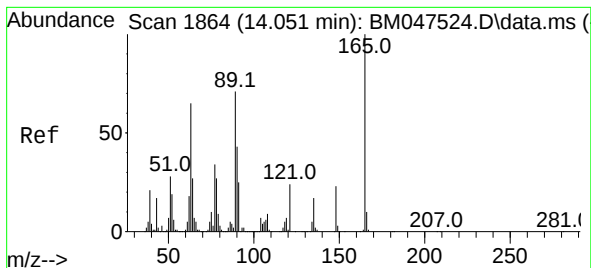
Tgt Ion:152 Resp: 683801
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 8.367 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:163 Resp: 514266
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 10.1 7.9 11.9

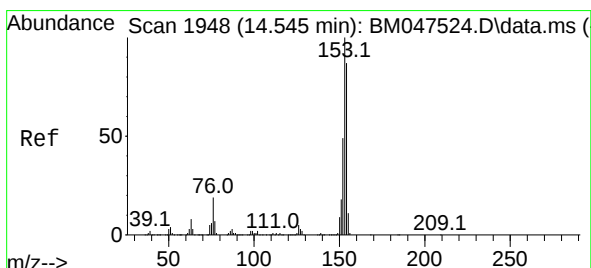
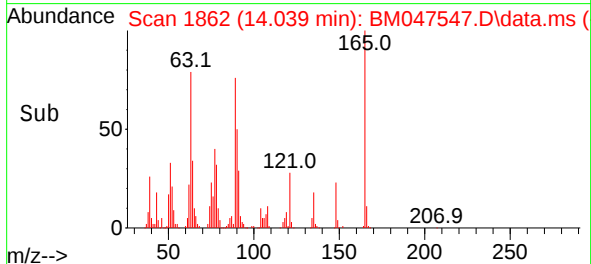
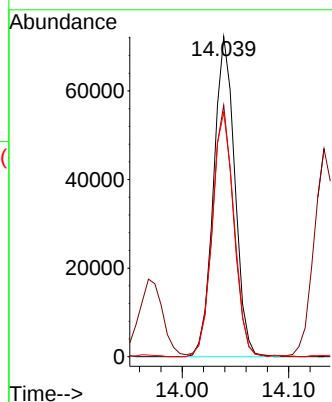
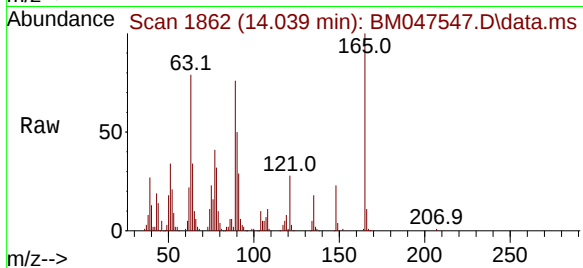




#51
2,6-Dinitrotoluene
Concen: 7.678 ng
RT: 14.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

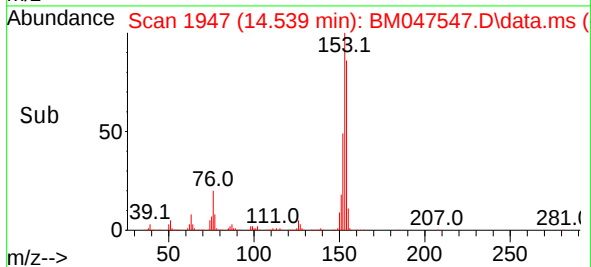
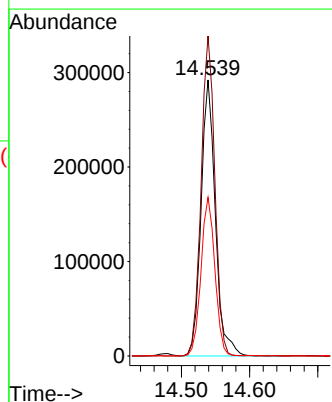
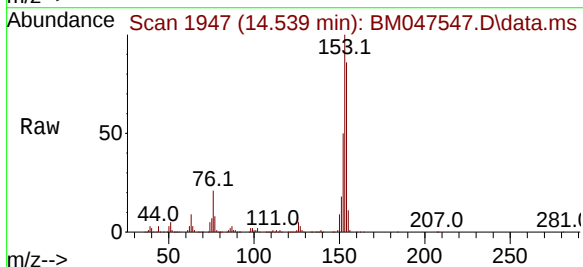
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

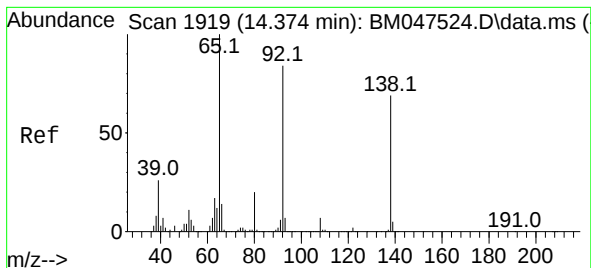
Tgt Ion:165 Resp: 99621
Ion Ratio Lower Upper
165 100
63 78.6 54.2 81.2
89 76.4 56.4 84.6



#52
Acenaphthene
Concen: 7.717 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:154 Resp: 425122
Ion Ratio Lower Upper
154 100
153 115.9 92.2 138.2
152 57.5 45.4 68.0





#53

3-Nitroaniline

Concen: 7.981 ng

RT: 14.368 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

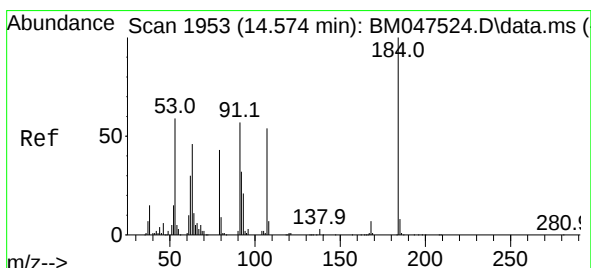
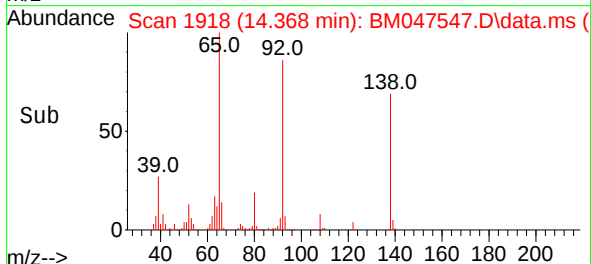
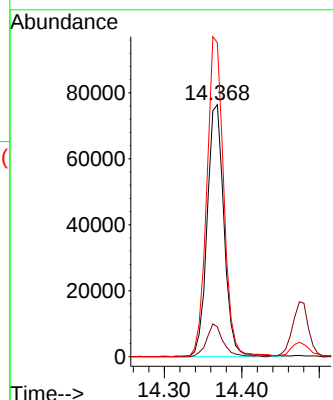
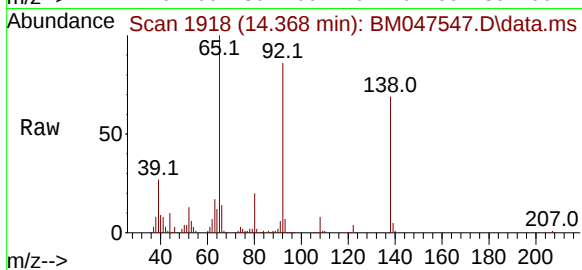
Tgt Ion:138 Resp: 115109

Ion Ratio Lower Upper

138 100

108 11.8 8.0 12.0

92 124.6 97.4 146.0



#54

2,4-Dinitrophenol

Concen: 8.365 ng

RT: 14.568 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

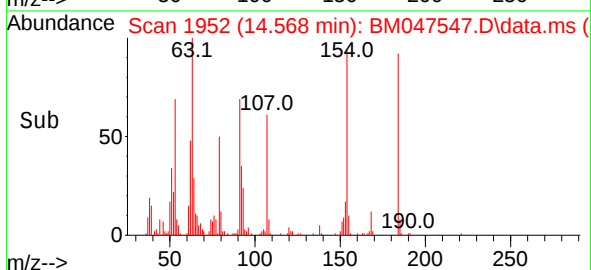
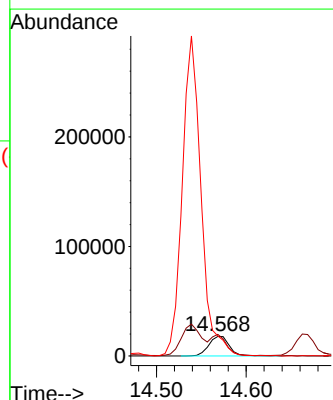
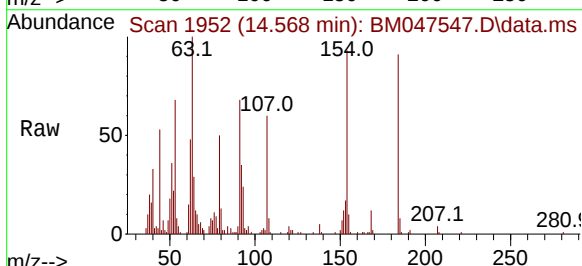
Tgt Ion:184 Resp: 28320

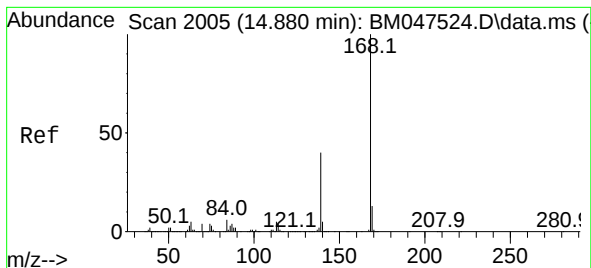
Ion Ratio Lower Upper

184 100

63 110.3 69.4 104.0#

154 102.5 60.4 90.6#





#55

Dibenzenofuran

Concen: 8.201 ng

RT: 14.874 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

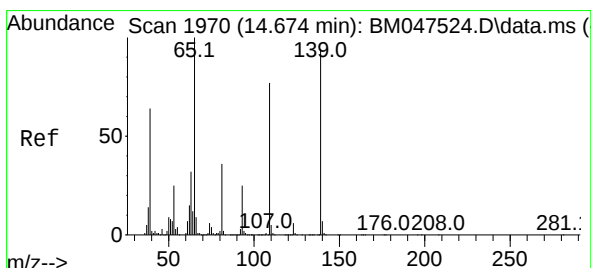
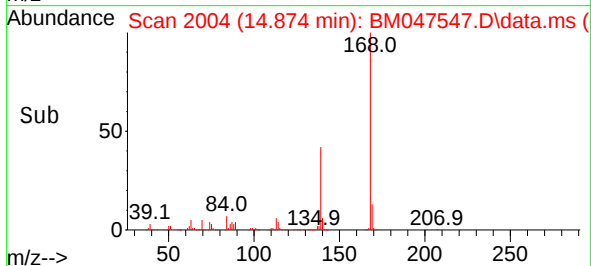
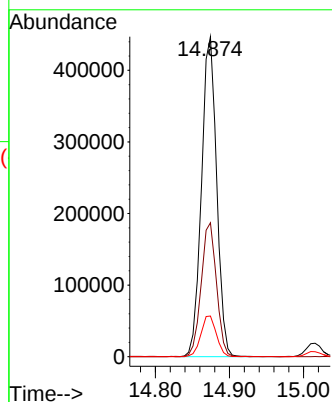
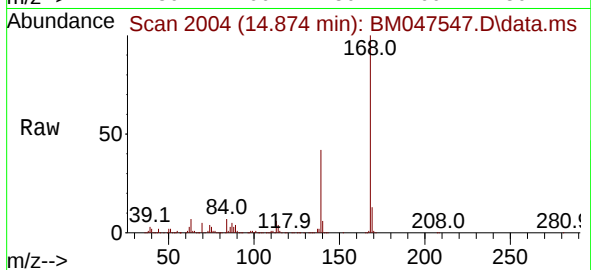
Tgt Ion:168 Resp: 634848

Ion Ratio Lower Upper

168 100

139 41.9 31.9 47.9

169 12.7 10.5 15.7



#56

4-Nitrophenol

Concen: 7.347 ng

RT: 14.668 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

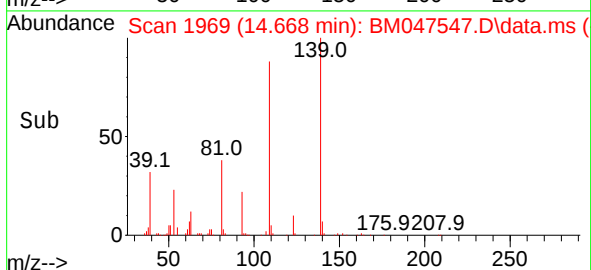
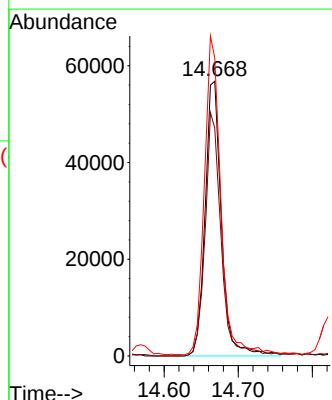
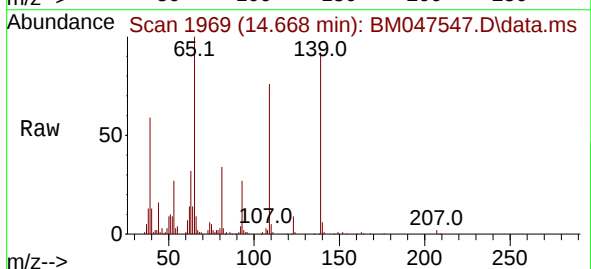
Tgt Ion:139 Resp: 87195

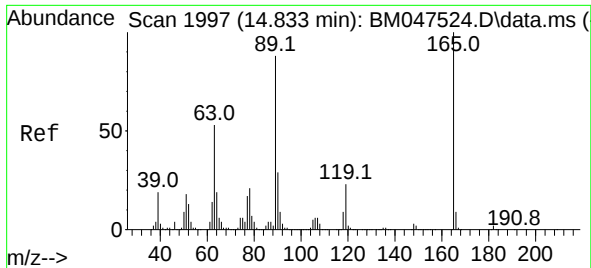
Ion Ratio Lower Upper

139 100

109 82.9 62.0 102.0

65 108.5 87.0 127.0

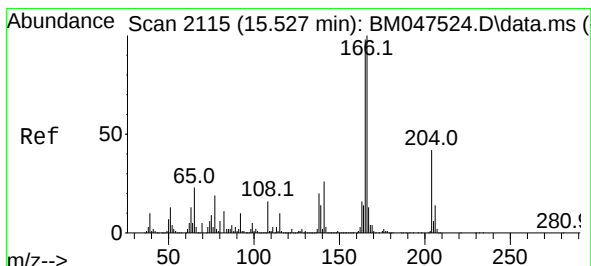
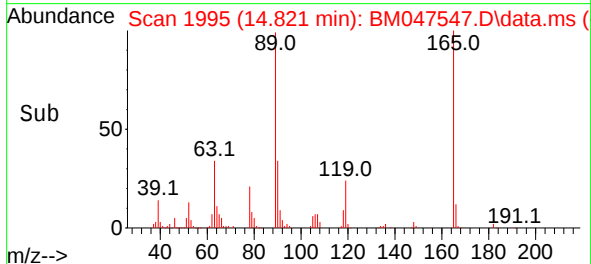
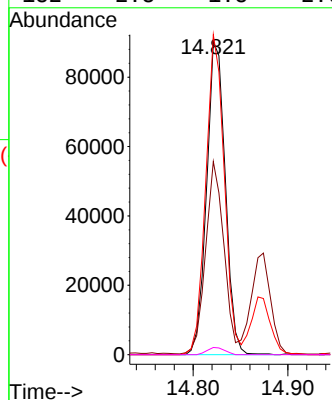
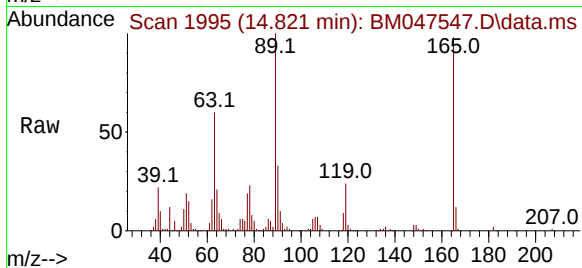




#57
2,4-Dinitrotoluene
Concen: 7.119 ng
RT: 14.821 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

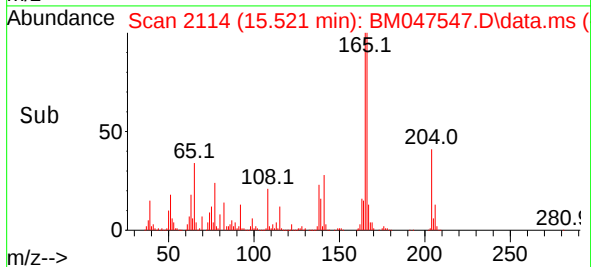
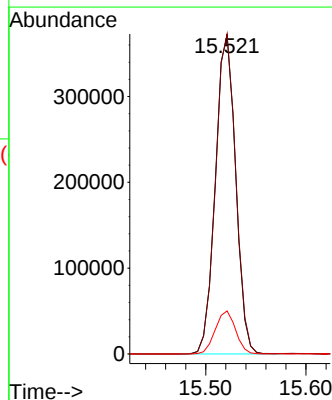
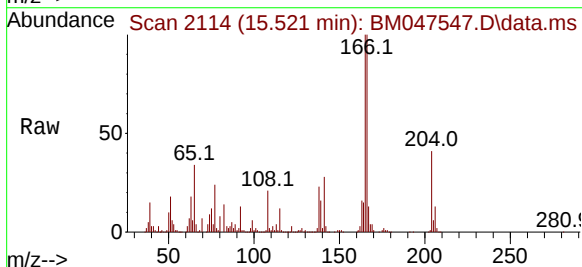
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

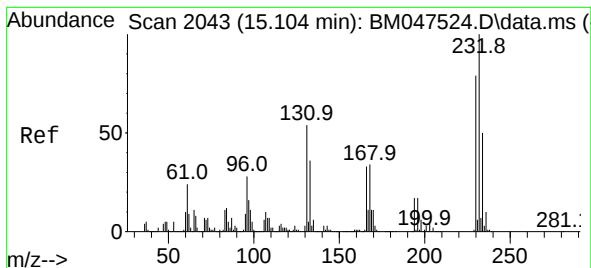
Tgt Ion:165 Resp: 123204
Ion Ratio Lower Upper
165 100
63 61.6 42.4 63.6
89 102.2 70.5 105.7
182 2.3 1.8 2.6



#58
Fluorene
Concen: 7.485 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:166 Resp: 521693
Ion Ratio Lower Upper
166 100
165 100.5 78.6 117.8
167 13.5 10.7 16.1

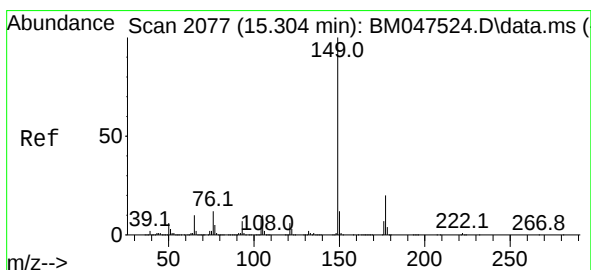
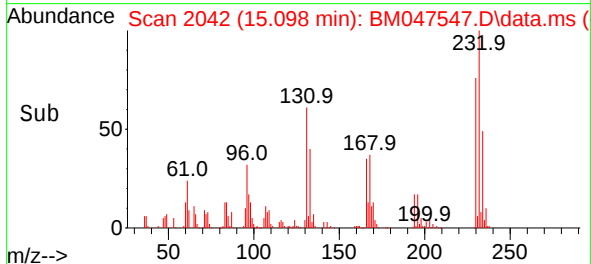
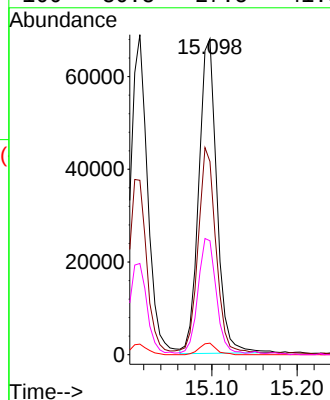
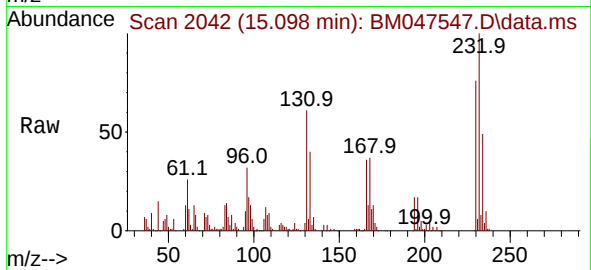




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.414 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

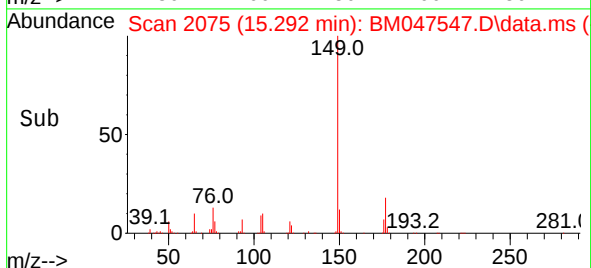
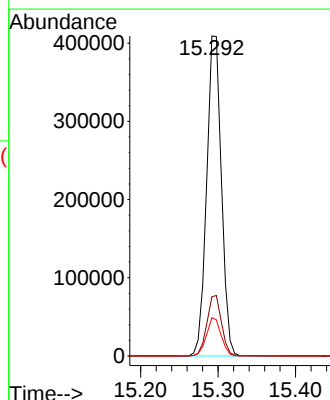
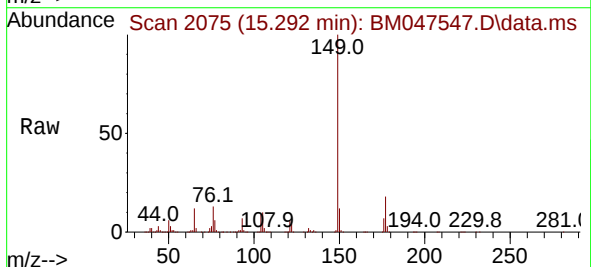
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

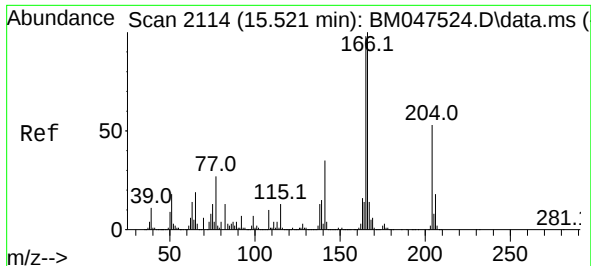
Tgt Ion:232 Resp: 99821
Ion Ratio Lower Upper
232 100
131 65.0 47.0 70.4
130 3.5 2.6 3.8
166 36.8 27.5 41.3



#60
Diethylphthalate
Concen: 8.266 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:149 Resp: 540702
Ion Ratio Lower Upper
149 100
177 18.5 15.8 23.8
150 12.0 9.7 14.5

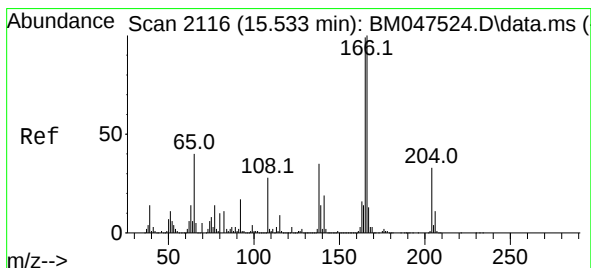
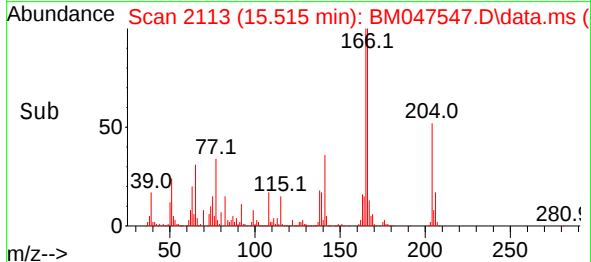
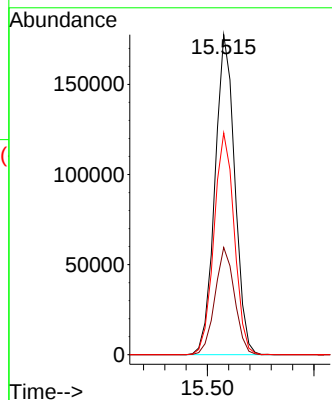
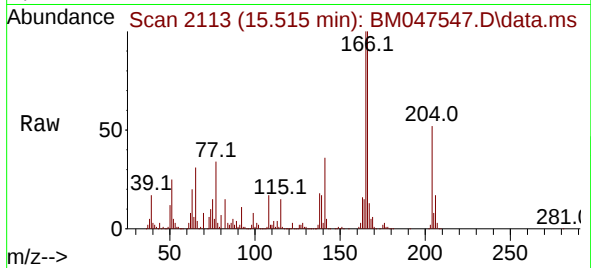




#61
4-Chlorophenyl-phenylether
Concen: 7.199 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

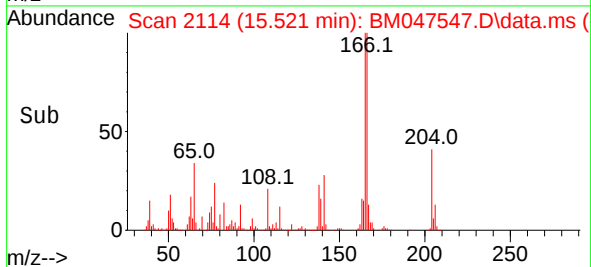
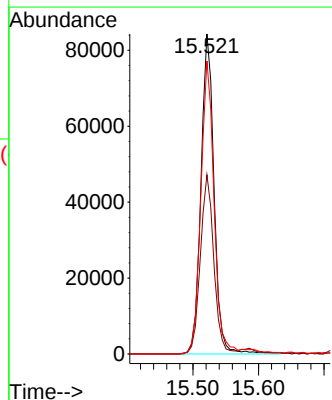
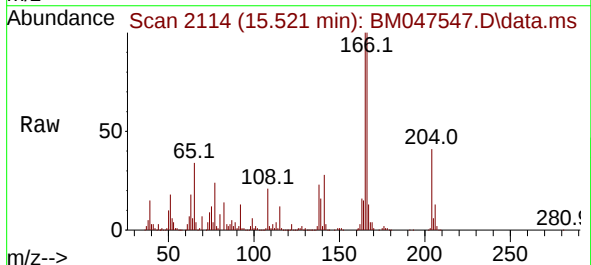
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

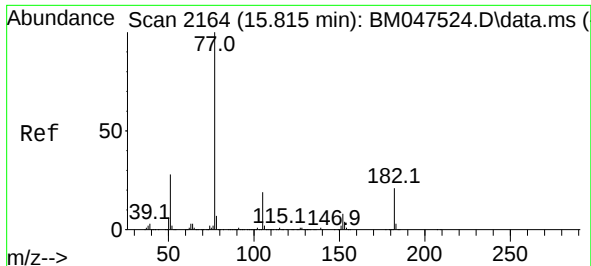
Tgt Ion:204 Resp: 229409
Ion Ratio Lower Upper
204 100
206 33.5 26.5 39.7
141 69.3 52.1 78.1



#62
4-Nitroaniline
Concen: 6.921 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:138 Resp: 117327
Ion Ratio Lower Upper
138 100
92 56.0 30.0 70.0
108 91.5 61.7 101.7



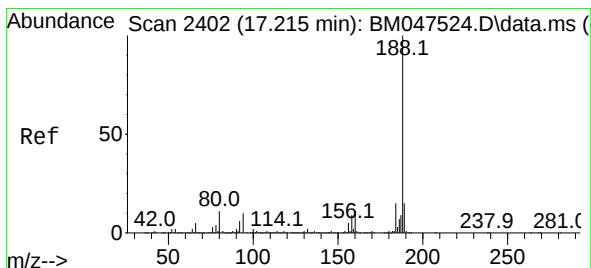
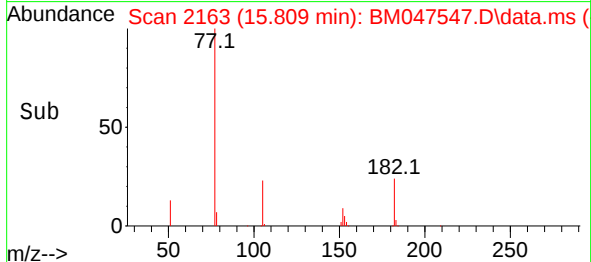
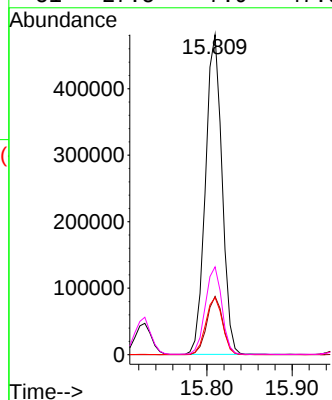
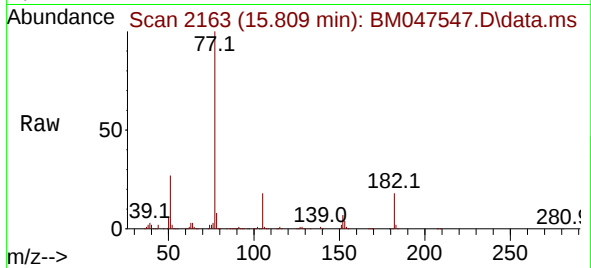


#63
Azobenzene
Concen: 8.990 ng
RT: 15.809 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 647574

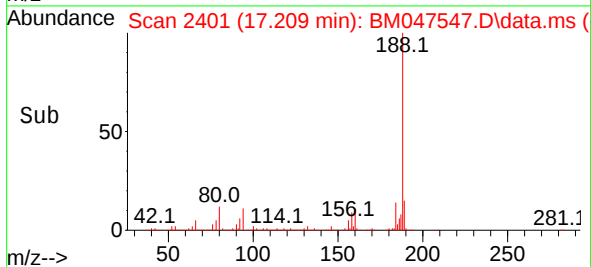
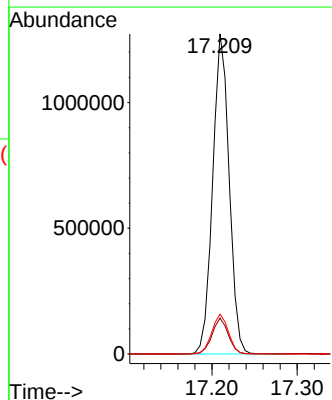
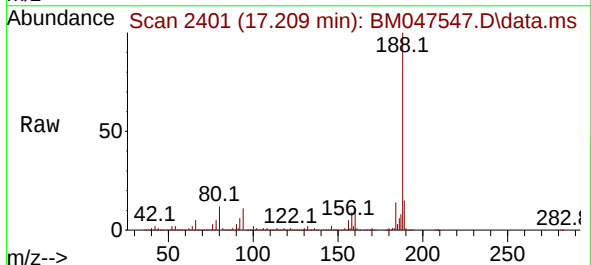
Ion	Ratio	Lower	Upper
77	100		
182	18.2	1.2	41.2
105	17.8	0.0	39.4
51	27.5	7.9	47.9

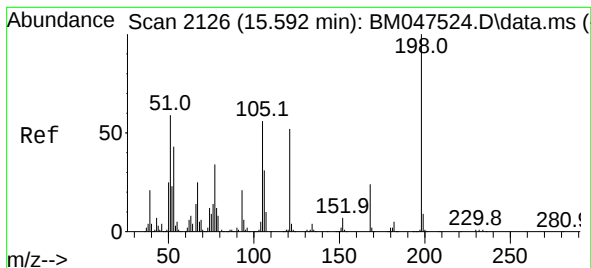


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 188 Resp: 1707279

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.4	12.6
80	12.4	9.1	13.7

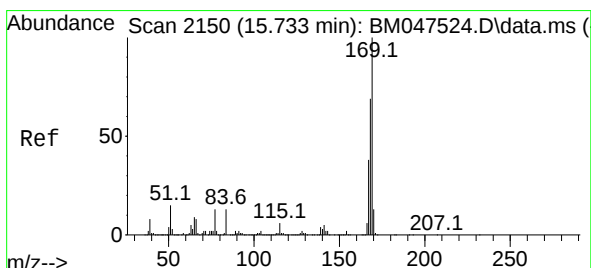
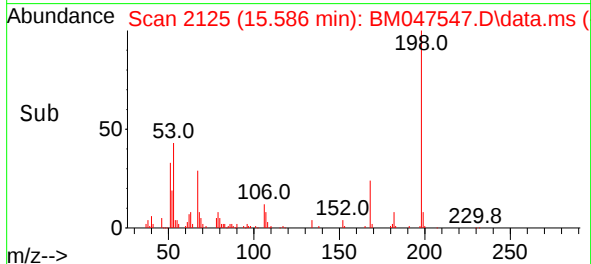
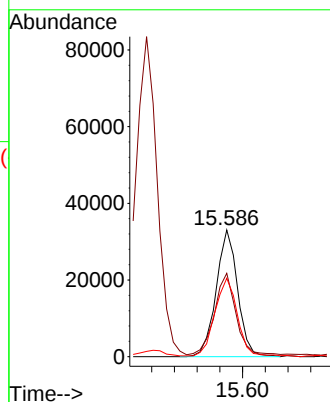
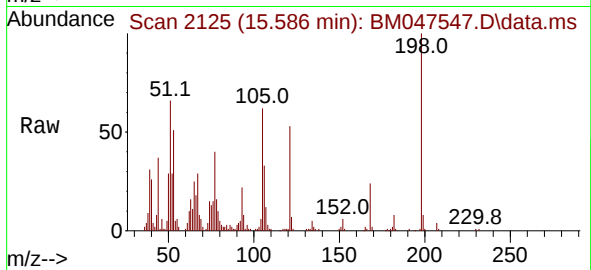




#65
4,6-Dinitro-2-methylphenol
Concen: 11.413 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

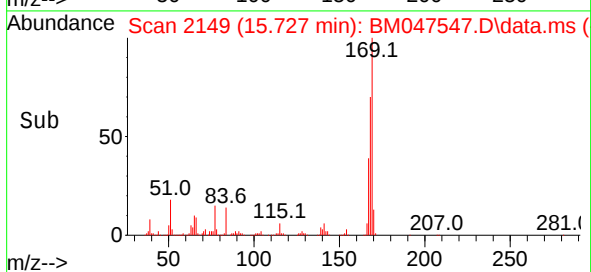
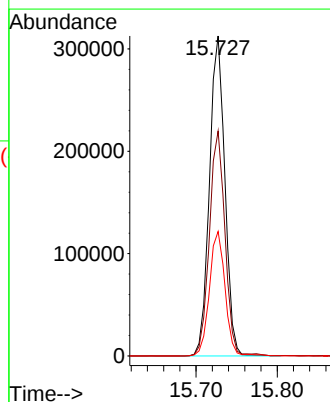
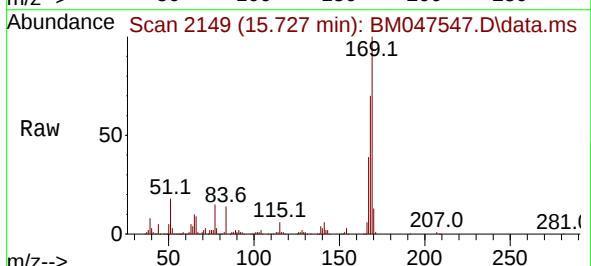
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

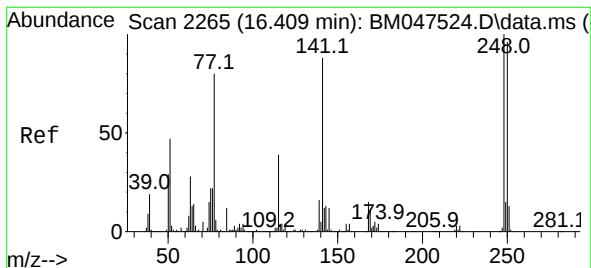
Tgt Ion:198 Resp: 43360
Ion Ratio Lower Upper
198 100
51 65.8 41.5 81.5
105 61.9 36.4 76.4



#66
n-Nitrosodiphenylamine
Concen: 7.882 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:169 Resp: 411685
Ion Ratio Lower Upper
169 100
168 70.3 55.3 82.9
167 38.9 30.5 45.7

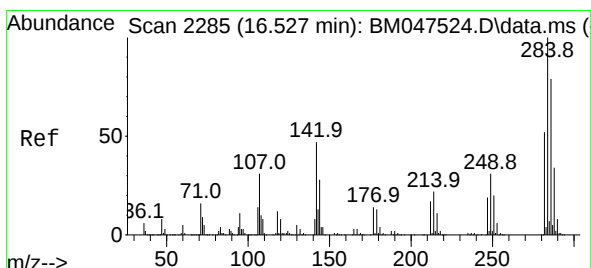
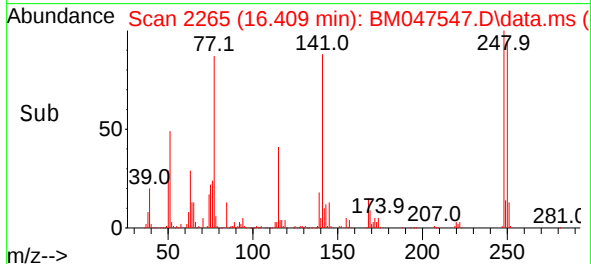
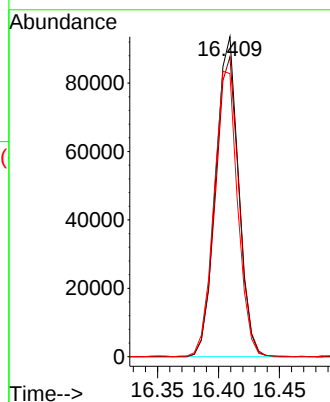
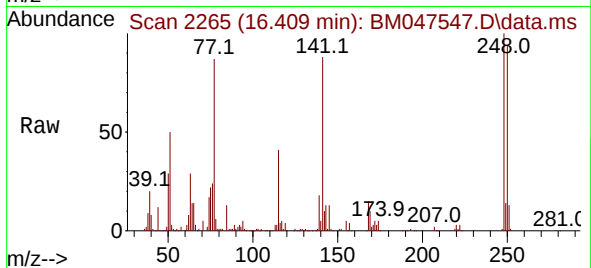




#67
4-Bromophenyl-phenylether
Concen: 7.367 ng
RT: 16.409 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

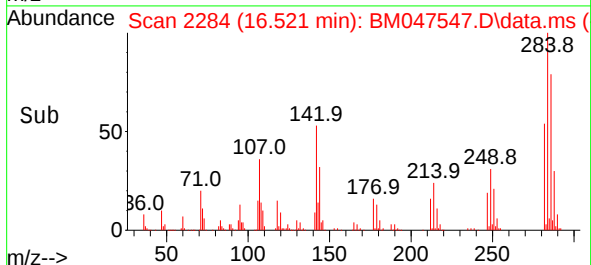
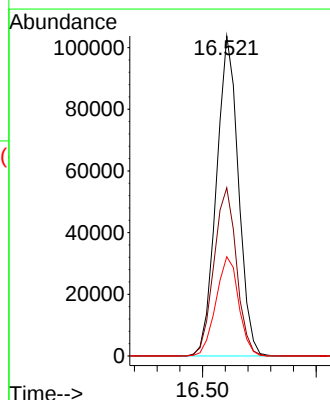
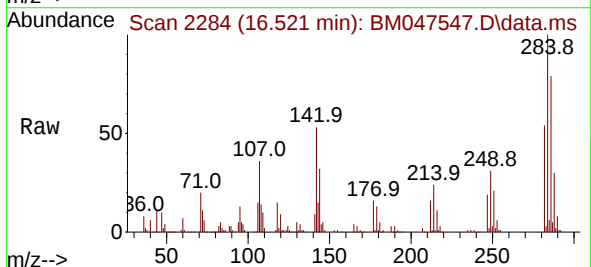
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

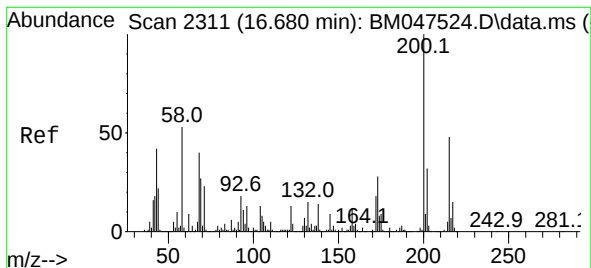
Tgt Ion:248 Resp: 122212
Ion Ratio Lower Upper
248 100
250 93.8 76.9 115.3
141 88.5 70.8 106.2



#68
Hexachlorobenzene
Concen: 7.438 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:284 Resp: 139781
Ion Ratio Lower Upper
284 100
142 52.6 37.3 55.9
249 31.0 24.5 36.7





#69

Atrazine

Concen: 8.149 ng

RT: 16.674 min Scan# 2311

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

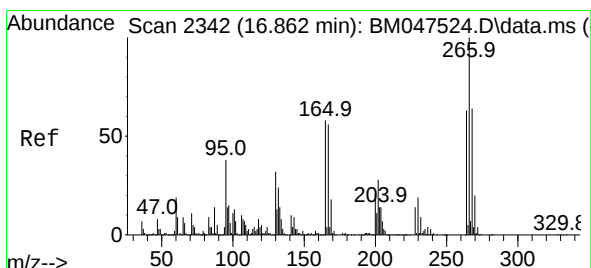
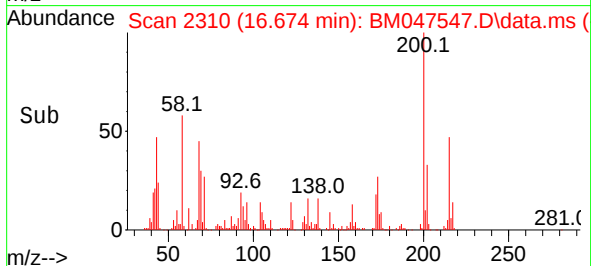
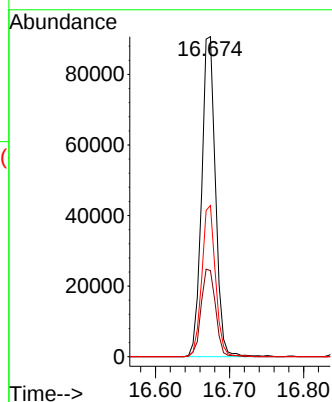
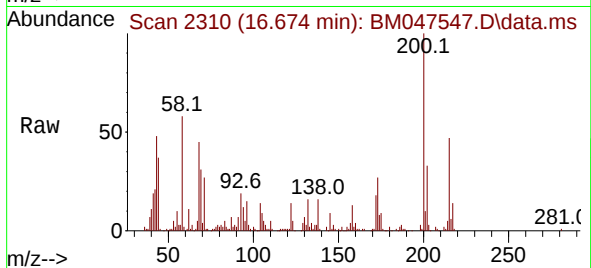
Tgt Ion:200 Resp: 117631

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

215 47.3 27.9 67.9



#70

Pentachlorophenol

Concen: 6.417 ng

RT: 16.862 min Scan# 2342

Delta R.T. -0.000 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

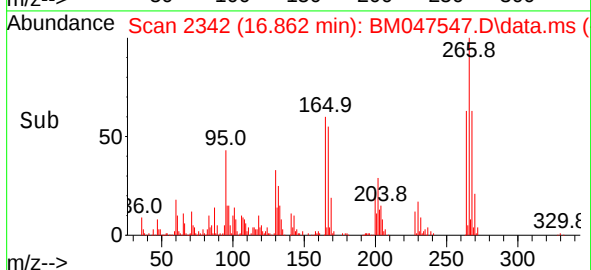
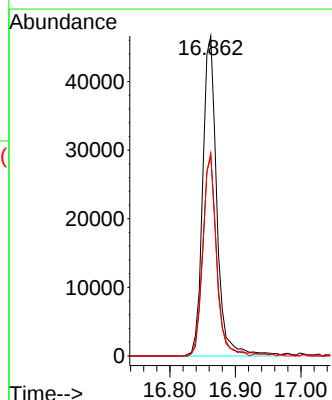
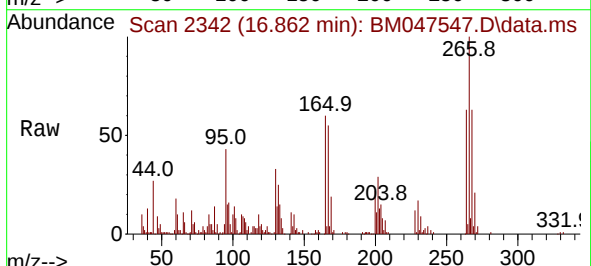
Tgt Ion:266 Resp: 69908

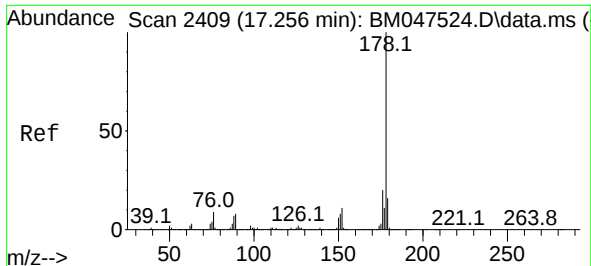
Ion Ratio Lower Upper

266 100

268 62.6 51.0 76.4

264 63.4 50.4 75.6

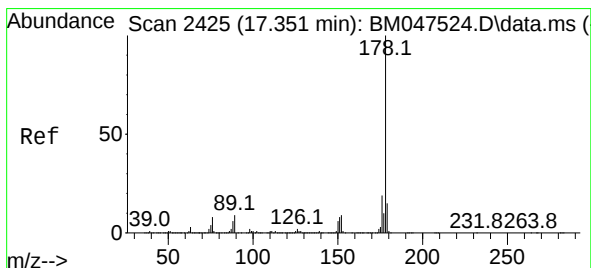
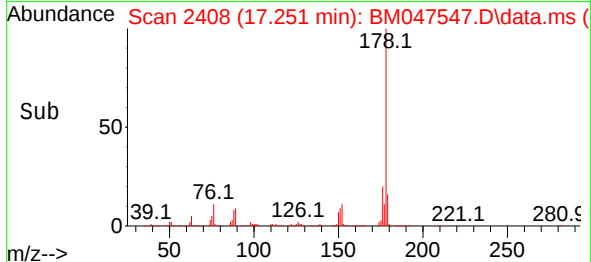
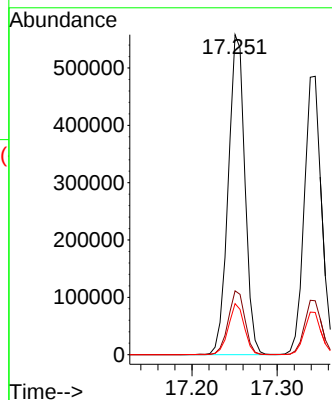
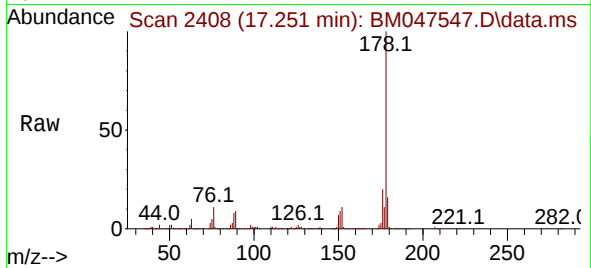




#71
Phenanthrene
Concen: 8.044 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

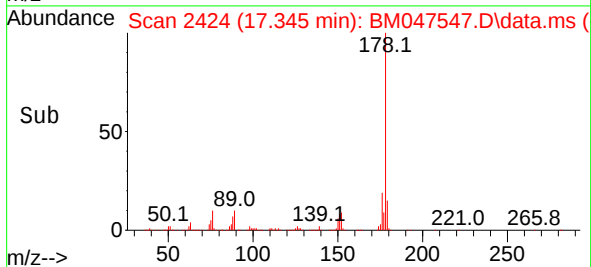
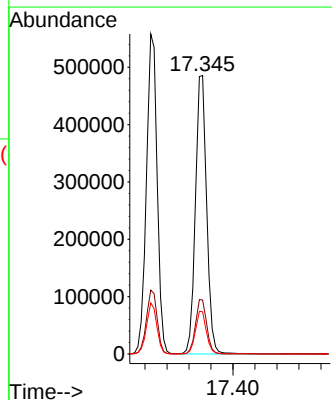
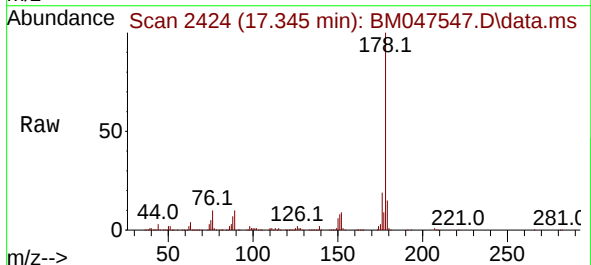
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

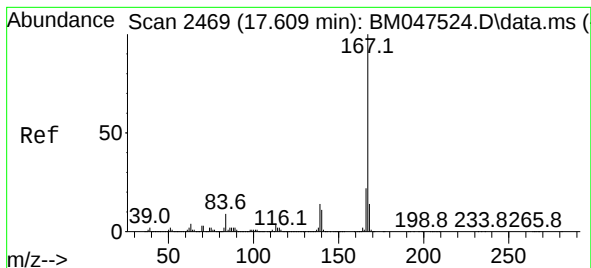
Tgt Ion:178 Resp: 756841
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.9 12.4 18.6



#72
Anthracene
Concen: 7.619 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:178 Resp: 688686
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.2 12.3 18.5





#73

Carbazole

Concen: 7.841 ng

RT: 17.603 min Scan# 2469

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

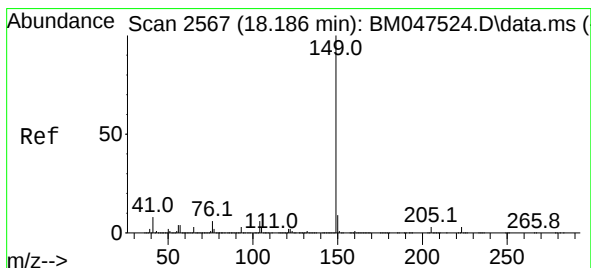
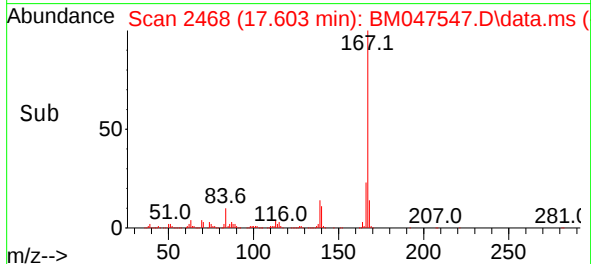
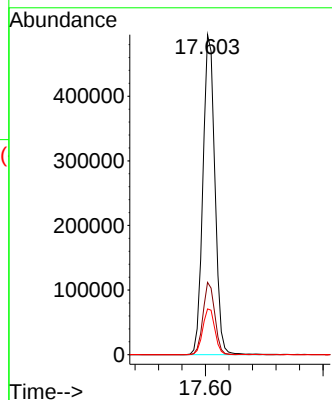
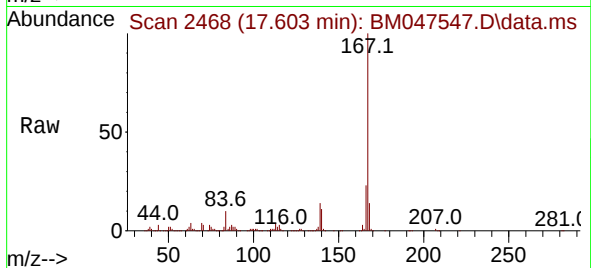
Tgt Ion:167 Resp: 702458

Ion Ratio Lower Upper

167 100

166 22.6 17.8 26.8

139 14.3 11.0 16.6



#74

Di-n-butylphthalate

Concen: 7.851 ng

RT: 18.180 min Scan# 2566

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

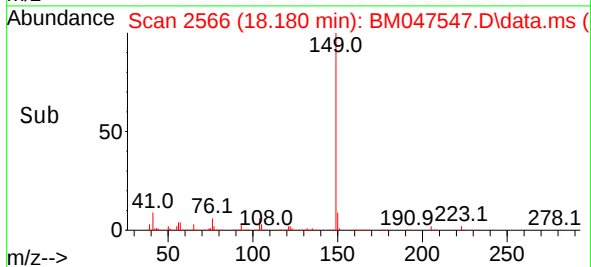
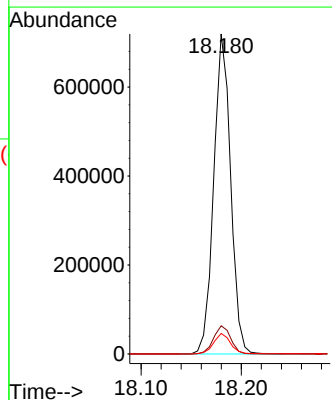
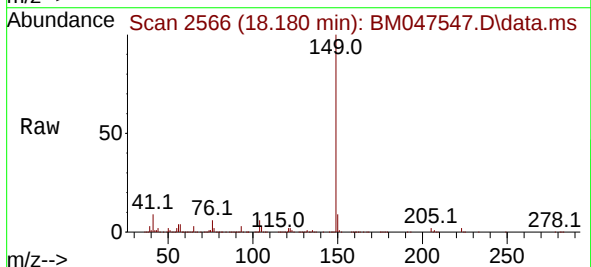
Tgt Ion:149 Resp: 841558

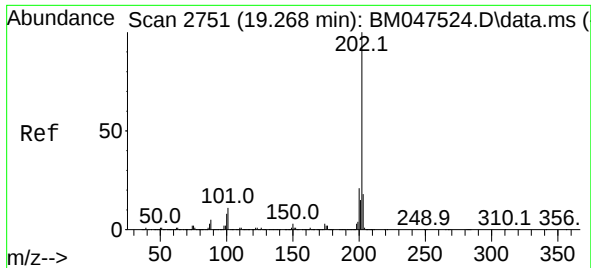
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 6.4 4.6 6.8

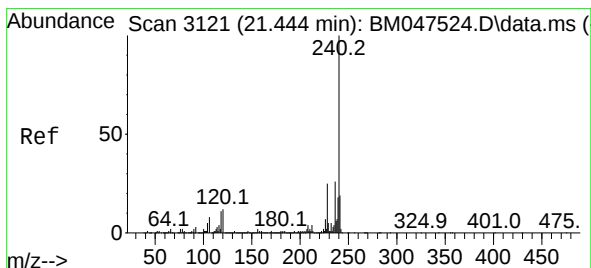
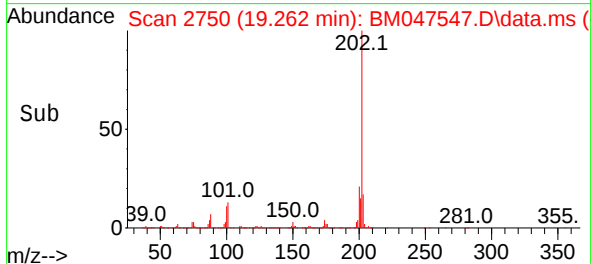
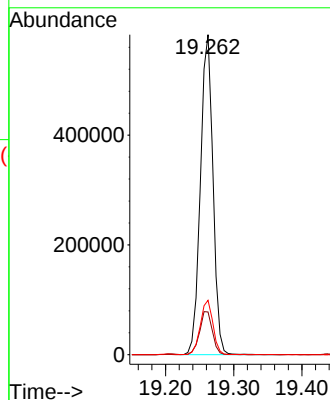
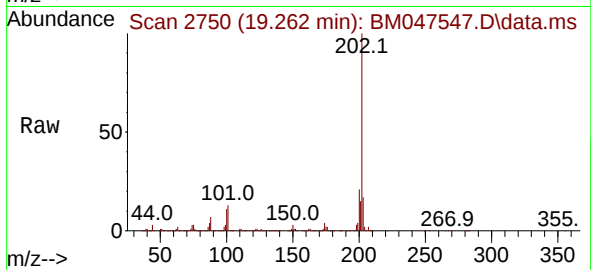




#75
Fluoranthene
Concen: 7.276 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

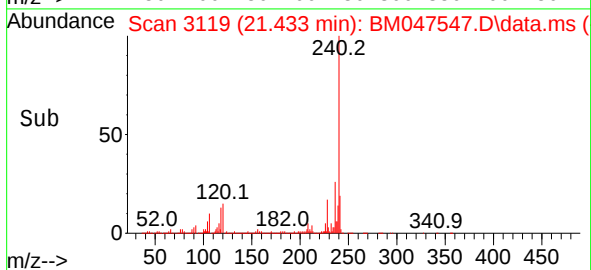
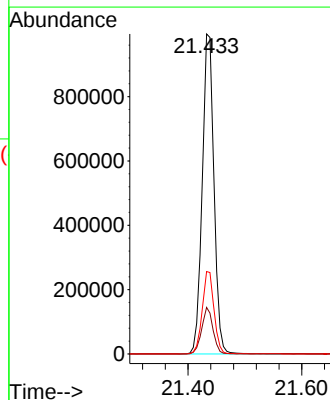
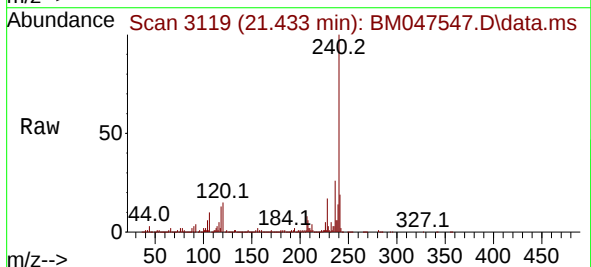
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

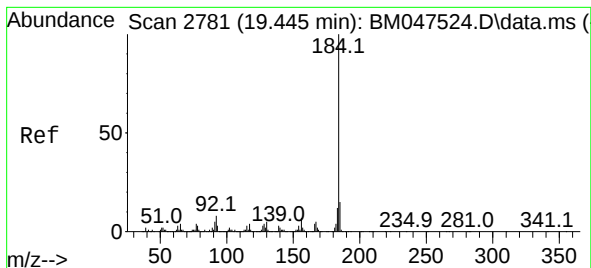
Tgt Ion:202 Resp: 746897
Ion Ratio Lower Upper
202 100
101 13.3 0.0 30.8
203 17.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:240 Resp: 1426234
Ion Ratio Lower Upper
240 100
120 14.6 9.6 14.4#
236 25.8 20.9 31.3





#77

Benzidine

Concen: 10.872 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

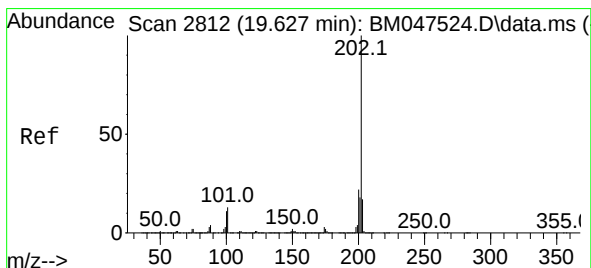
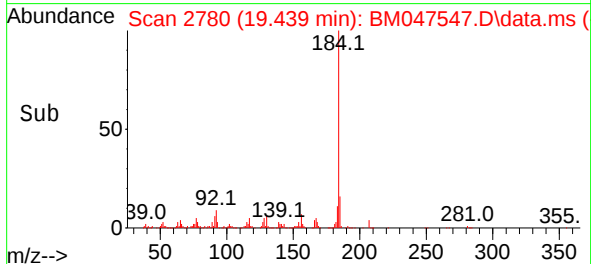
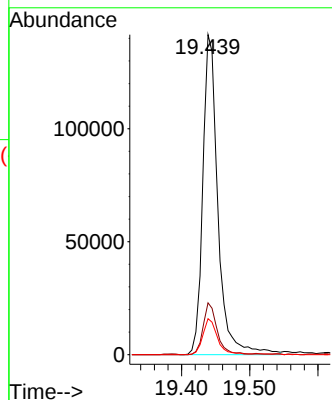
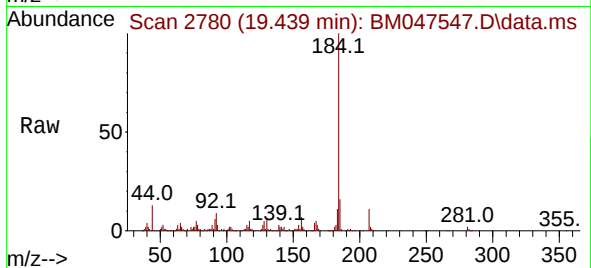
Tgt Ion:184 Resp: 218387

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

183 11.2 9.6 14.4



#78

Pyrene

Concen: 7.539 ng

RT: 19.621 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

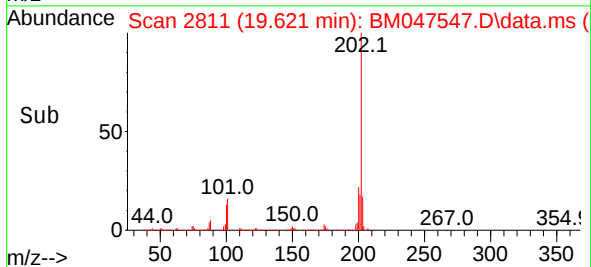
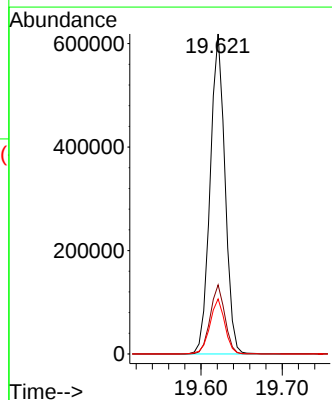
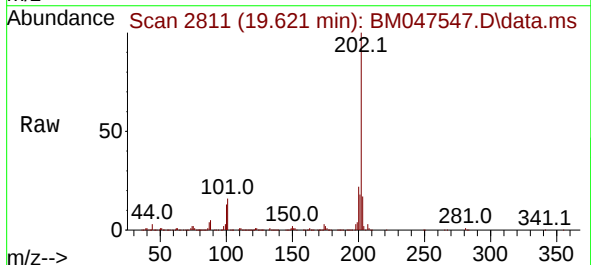
Tgt Ion:202 Resp: 784256

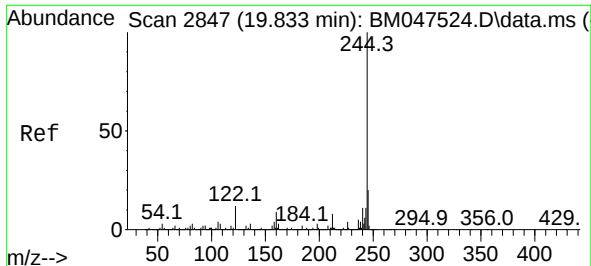
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

203 17.2 14.0 21.0





#79

Terphenyl-d14

Concen: 110.288 ng

RT: 19.827 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

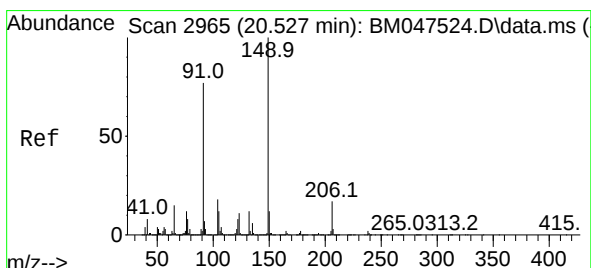
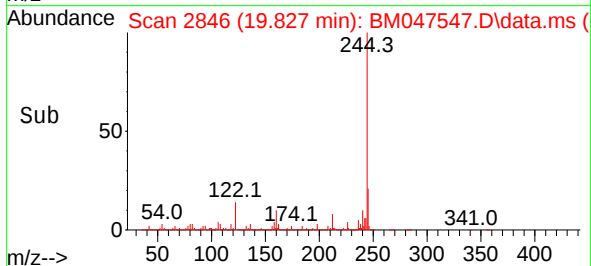
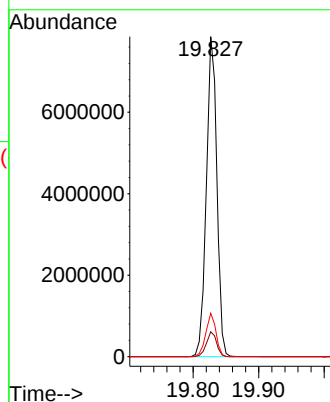
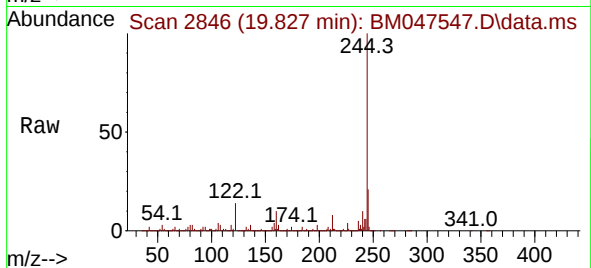
Tgt Ion:244 Resp: 8778014

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 13.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 7.428 ng

RT: 20.521 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

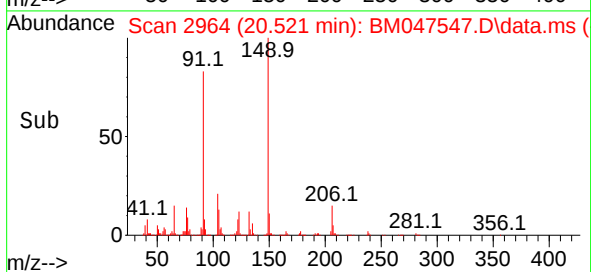
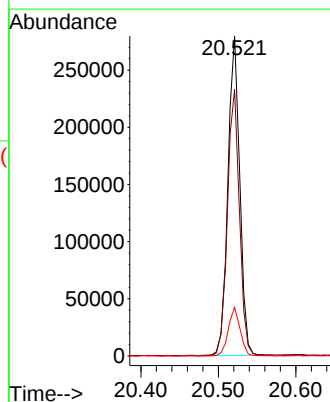
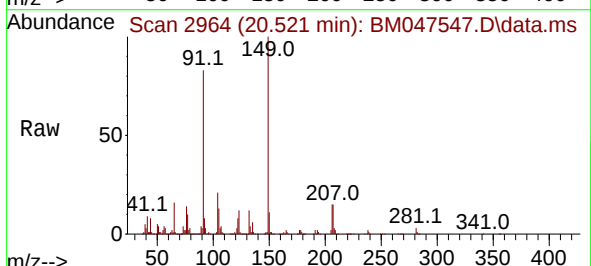
Tgt Ion:149 Resp: 297484

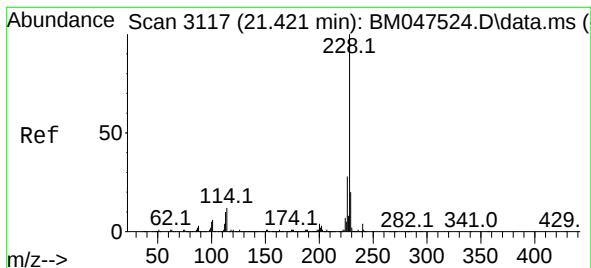
Ion Ratio Lower Upper

149 100

91 83.3 62.0 93.0

206 15.2 13.8 20.8





#81

Benzo(a)anthracene

Concen: 8.279 ng

RT: 21.415 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

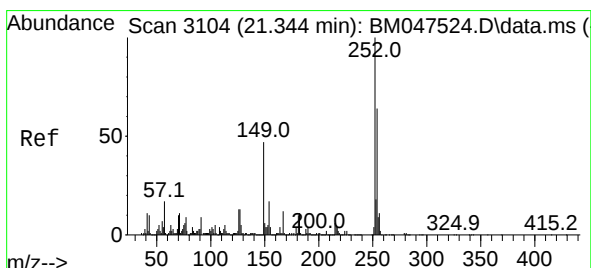
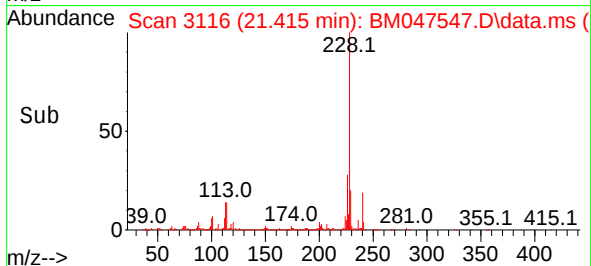
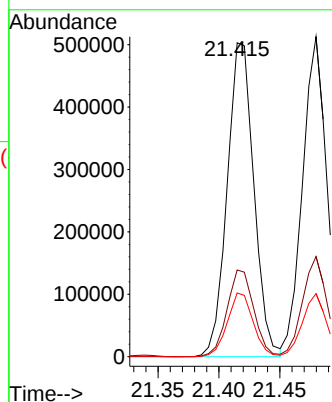
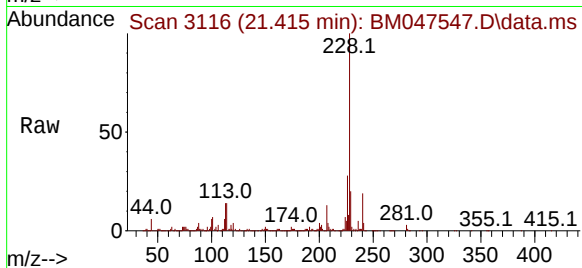
Tgt Ion:228 Resp: 769623

Ion Ratio Lower Upper

228 100

226 27.6 22.4 33.6

229 20.3 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 8.363 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

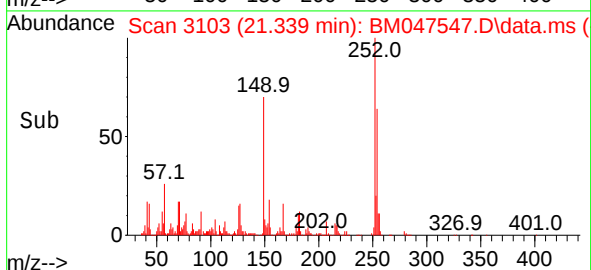
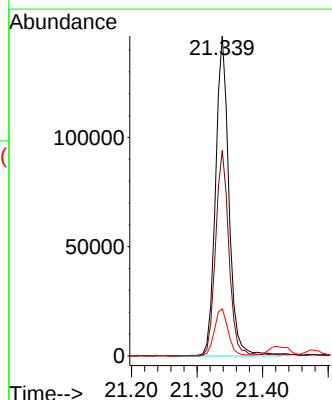
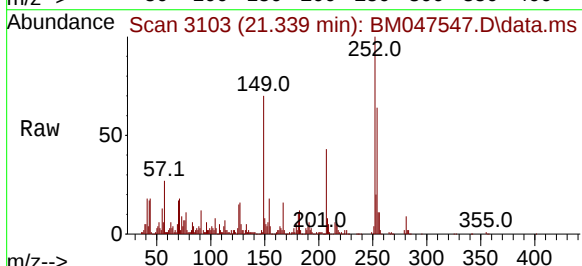
Tgt Ion:252 Resp: 206816

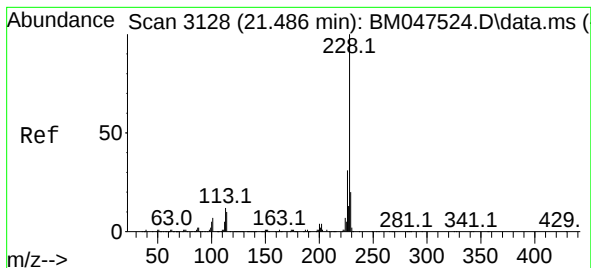
Ion Ratio Lower Upper

252 100

254 64.2 51.5 77.3

126 14.8 10.3 15.5





#83

Chrysene

Concen: 8.142 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

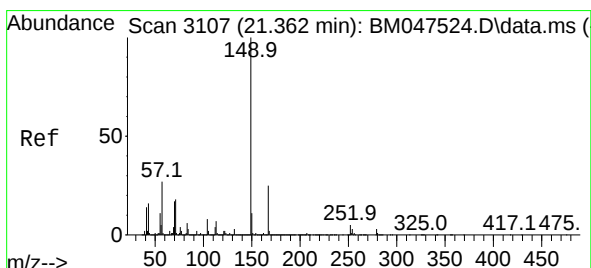
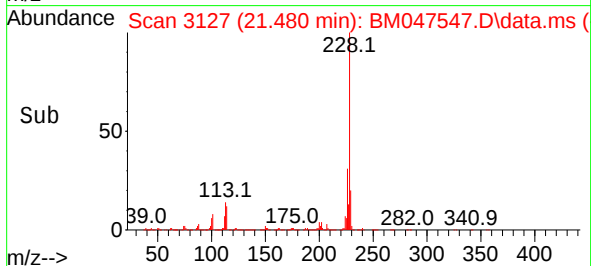
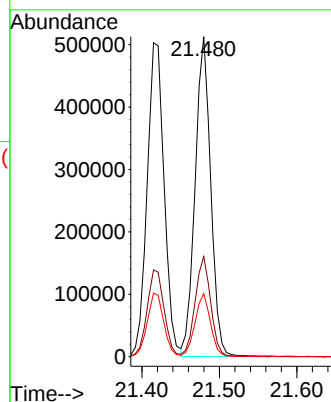
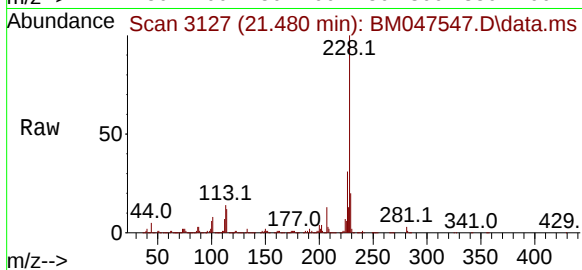
Tgt Ion:228 Resp: 715948

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

229 19.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.014 ng

RT: 21.350 min Scan# 3105

Delta R.T. -0.012 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

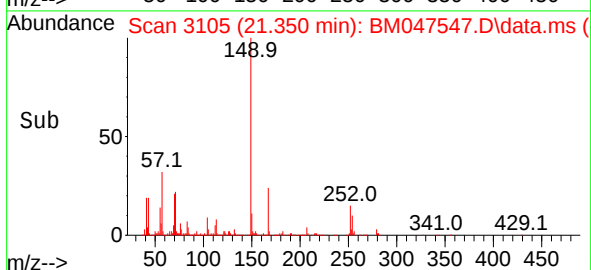
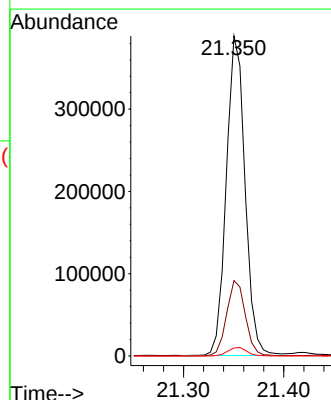
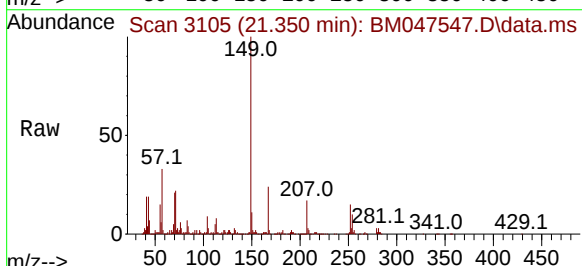
Tgt Ion:149 Resp: 502768

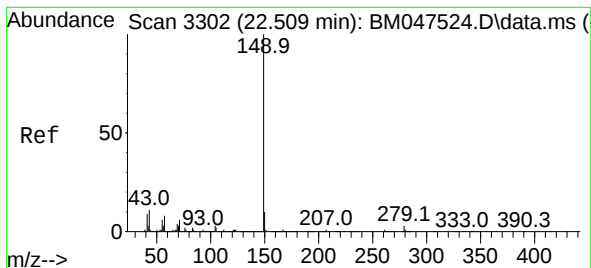
Ion Ratio Lower Upper

149 100

167 23.5 20.2 30.4

279 2.5 2.6 4.0#





#85

Di-n-octyl phthalate

Concen: 7.970 ng

RT: 22.497 min Scan# 3302

Delta R.T. -0.012 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

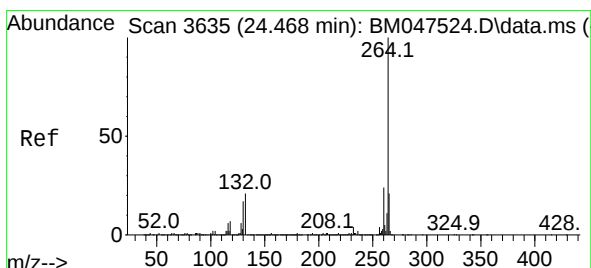
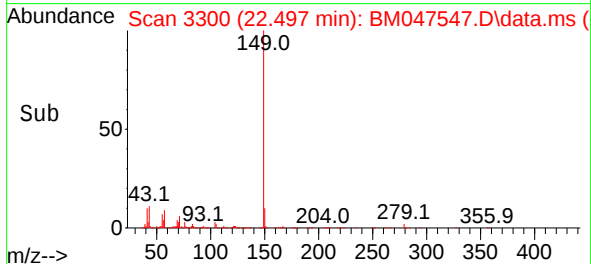
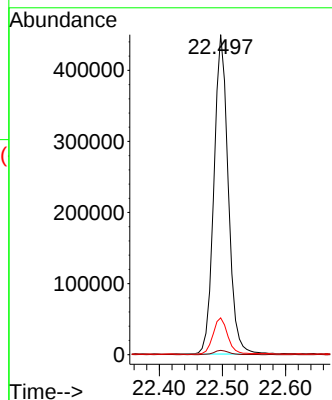
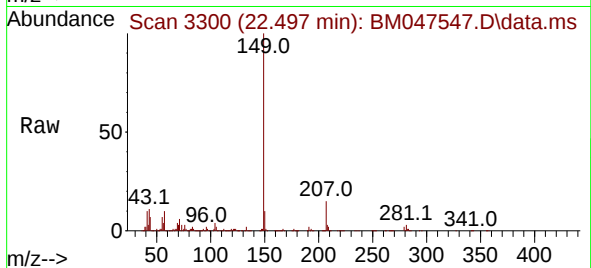
Tgt Ion:149 Resp: 707224

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.0 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

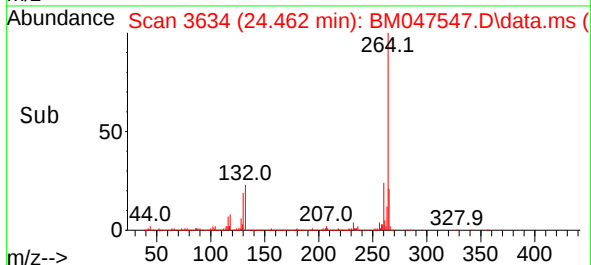
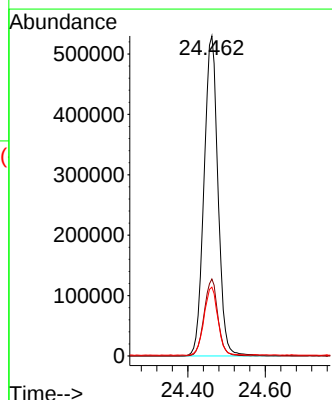
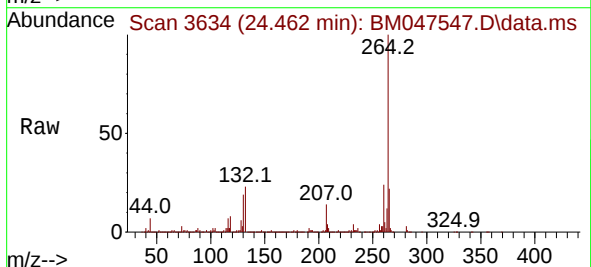
Tgt Ion:264 Resp: 1323754

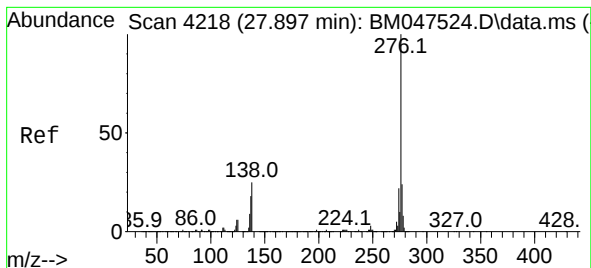
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.658 ng

RT: 27.868 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

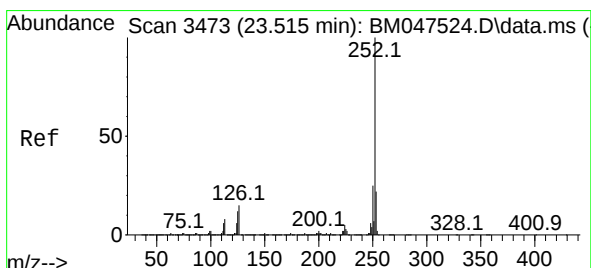
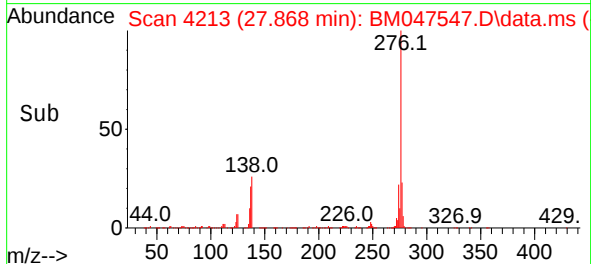
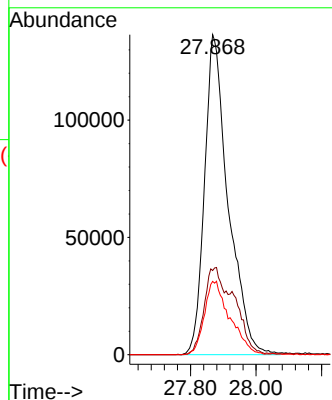
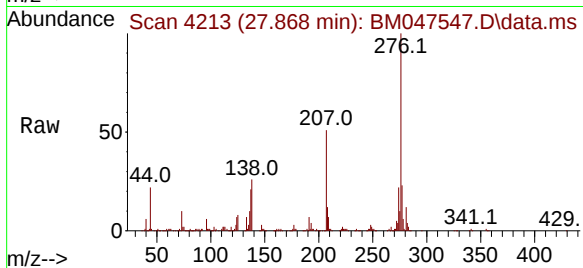
Tgt Ion:276 Resp: 685882

Ion Ratio Lower Upper

276 100

138 34.6 25.0 37.6

277 24.7 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 7.746 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

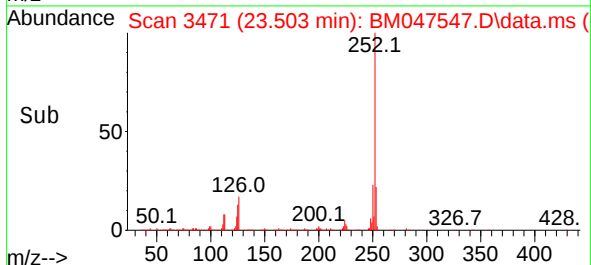
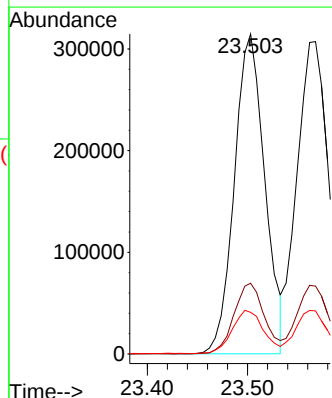
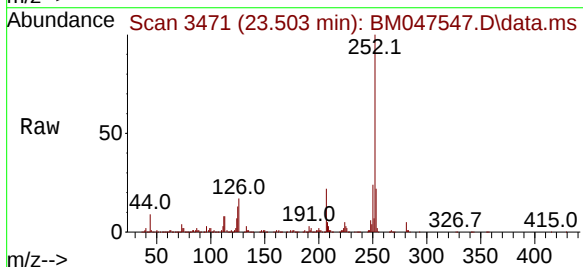
Tgt Ion:252 Resp: 663426

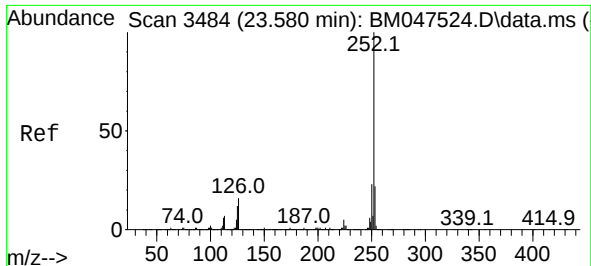
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 13.0 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 8.151 ng

RT: 23.568 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

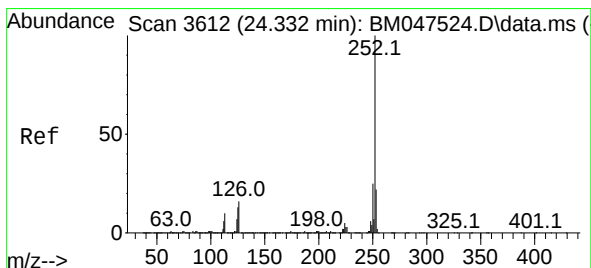
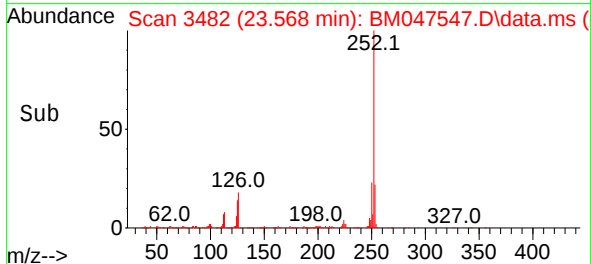
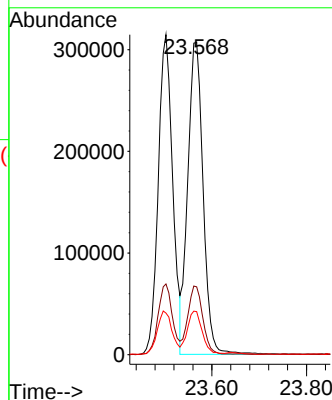
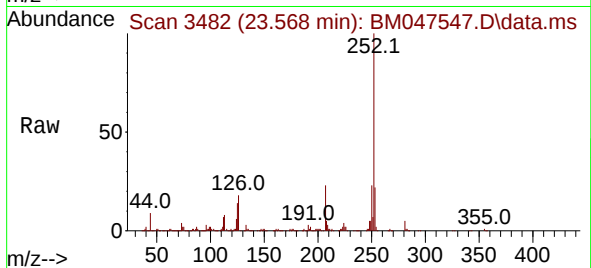
Tgt Ion:252 Resp: 691859

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 13.8 9.5 14.3



#90

Benzo(a)pyrene

Concen: 8.291 ng

RT: 24.315 min Scan# 3609

Delta R.T. -0.018 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

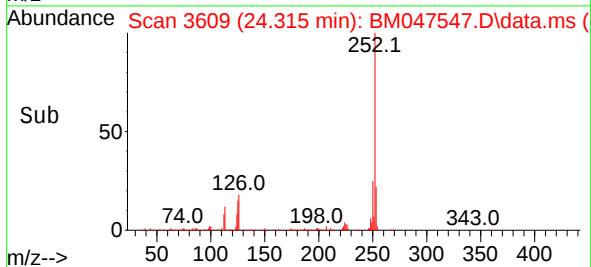
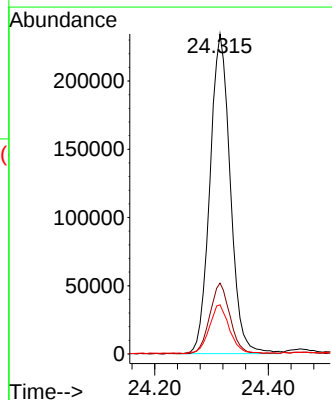
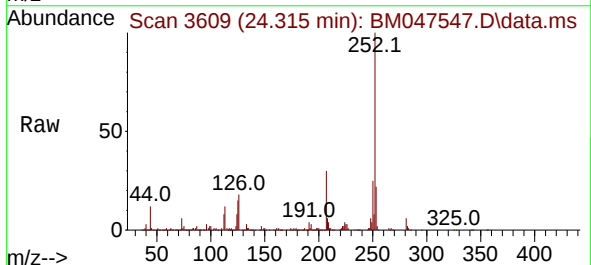
Tgt Ion:252 Resp: 582018

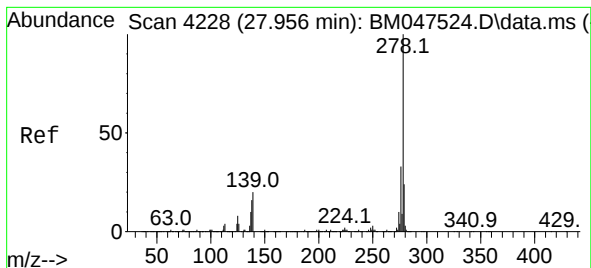
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 15.3 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 8.325 ng

RT: 27.938 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

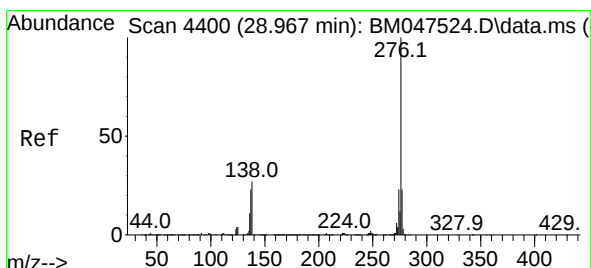
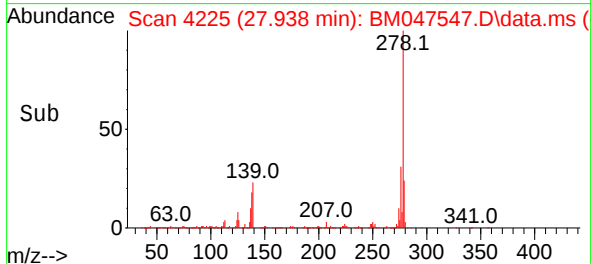
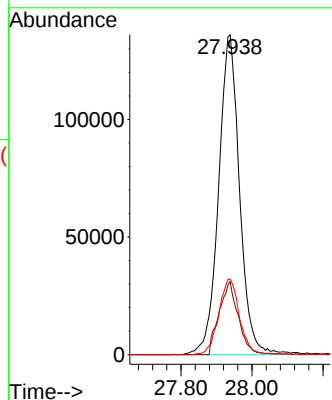
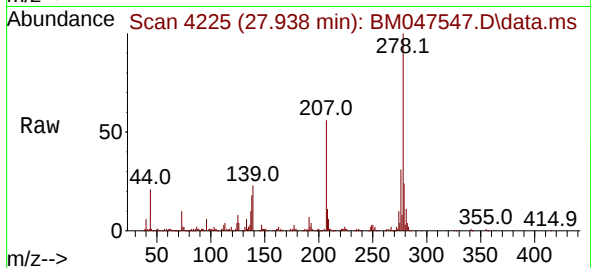
Tgt Ion:278 Resp: 554863

Ion Ratio Lower Upper

278 100

139 22.8 15.9 23.9

279 23.7 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 8.120 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:276 Resp: 528673

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 28.6 21.5 32.3

