

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047360.D
 Acq On : 27 Aug 2024 12:37
 Operator : RC/JU
 Sample : P3726-01MS 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MOO-SOIL-PILEMS

Quant Time: Aug 27 13:41:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	350961	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	1340184	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	907134	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1848980	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1136006	20.000	ng	0.00
86) Perylene-d12	23.721	264	1271279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	789737	43.172	ng	0.00
7) Phenol-d6	6.569	99	1022125	41.017	ng	0.00
23) Nitrobenzene-d5	8.492	82	670325	27.753	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	452136	41.312	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1540012	26.085	ng	0.00
79) Terphenyl-d14	19.445	244	1873613	29.357	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.016	88	125517	16.763	ng	98
3) Pyridine	3.393	79	346034	16.651	ng	98
4) n-Nitrosodimethylamine	3.316	42	160748	18.993	ng	# 96
6) Aniline	6.698	93	233877	10.362	ng	99
8) 2-Chlorophenol	6.922	128	442221	21.598	ng	99
9) Benzaldehyde	6.510	77	171884	9.974	ng	98
10) Phenol	6.592	94	525195	21.421	ng	99
11) bis(2-Chloroethyl)ether	6.798	93	413452	19.459	ng	99
12) 1,3-Dichlorobenzene	7.234	146	489666	19.557	ng	99
13) 1,4-Dichlorobenzene	7.381	146	493327	19.456	ng	99
14) 1,2-Dichlorobenzene	7.687	146	483749	20.131	ng	99
15) Benzyl Alcohol	7.598	79	384778	22.272	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.869	45	508955	19.978	ng	99
17) 2-Methylphenol	7.810	107	355006	20.841	ng	99
18) Hexachloroethane	8.392	117	174213	18.379	ng	99
19) n-Nitroso-di-n-propyla...	8.157	70	308840	18.029	ng	98
20) 3+4-Methylphenols	8.139	107	486328	20.534	ng	100
22) Acetophenone	8.169	105	612229	19.684	ng	99
24) Nitrobenzene	8.534	77	483643	19.469	ng	99
25) Isophorone	9.057	82	886019	19.409	ng	99
26) 2-Nitrophenol	9.233	139	247278	20.237	ng	99
27) 2,4-Dimethylphenol	9.322	122	359527	26.067	ng	98
28) bis(2-Chloroethoxy)met...	9.545	93	538234	19.254	ng	99
29) 2,4-Dichlorophenol	9.775	162	462924	21.636	ng	99
30) 1,2,4-Trichlorobenzene	9.969	180	487635	19.732	ng	99
31) Naphthalene	10.151	128	1410927	21.555	ng	99
32) Benzoic acid	9.492	122	308716	18.745	ng	98
33) 4-Chloroaniline	10.286	127	250802	10.305	ng	97
34) Hexachlorobutadiene	10.428	225	308208	19.970	ng	99
35) Caprolactam	11.092	113	135194	19.506	ng	98
36) 4-Chloro-3-methylphenol	11.433	107	443439	20.409	ng	100
37) 2-Methylnaphthalene	11.775	142	1002613	21.007	ng	98
38) 1-Methylnaphthalene	12.004	142	912488	19.331	ng	100
40) 1,2,4,5-Tetrachloroben...	12.157	216	545367	20.303	ng	99
41) Hexachlorocyclopentadiene	12.127	237	23063	2.720	ng	99
43) 2,4,6-Trichlorophenol	12.422	196	387204	21.027	ng	98

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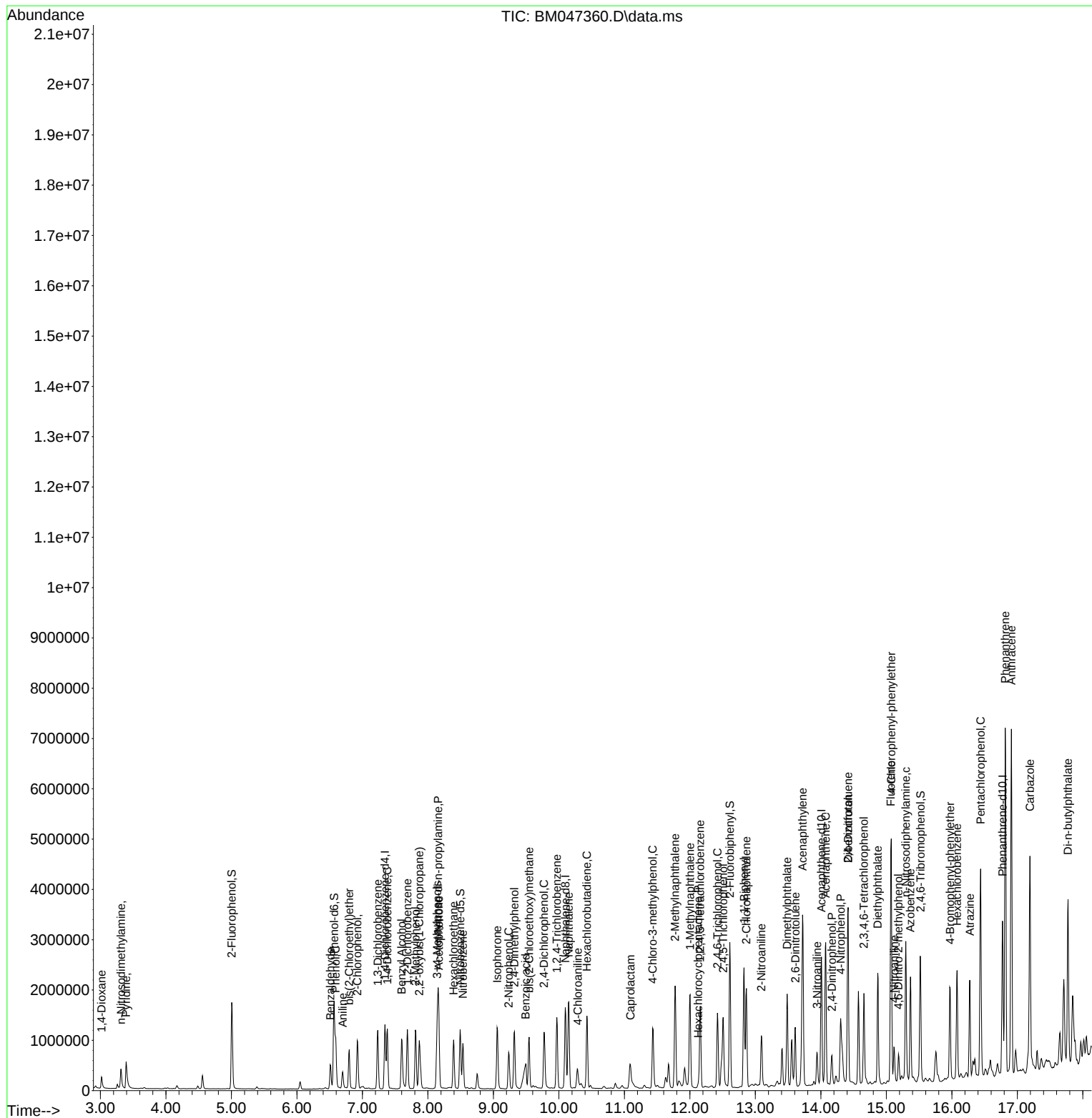
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.510	196	416745	20.378	ng	98
46) 1,1'-Biphenyl	12.827	154	1261136	19.910	ng	99
47) 2-Chloronaphthalene	12.863	162	985541	19.855	ng	100
48) 2-Nitroaniline	13.092	65	293493	21.108	ng	99
49) Acenaphthylene	13.721	152	2482232	34.408	ng	99
50) Dimethylphthalate	13.486	163	1229393	19.669	ng	100
51) 2,6-Dinitrotoluene	13.610	165	274783	18.881	ng	98
52) Acenaphthene	14.074	154	1054522	23.026	ng	100
53) 3-Nitroaniline	13.945	138	181923	13.547	ng	96
54) 2,4-Dinitrophenol	14.168	184	149538	16.685	ng	99
55) Dibenzofuran	14.416	168	1633750	22.148	ng	99
56) 4-Nitrophenol	14.304	139	466597	44.450	ng	99
57) 2,4-Dinitrotoluene	14.416	165	363817	19.312	ng	99
58) Fluorene	15.068	166	1417314	23.740	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.657	232	374888	22.318	ng	99
60) Diethylphthalate	14.868	149	1228931	19.932	ng	99
61) 4-Chlorophenyl-phenyle...	15.074	204	591474	19.476	ng	99
62) 4-Nitroaniline	15.121	138	194168	15.630	ng	97
63) Azobenzene	15.368	77	1076826	20.056	ng	96
65) 4,6-Dinitro-2-methylph...	15.186	198	115637	10.190	ng	93
66) n-Nitrosodiphenylamine	15.298	169	1050680	20.767	ng	100
67) 4-Bromophenyl-phenylether	15.974	248	386169	19.797	ng	97
68) Hexachlorobenzene	16.080	284	435611	19.335	ng	98
69) Atrazine	16.274	200	360970	21.828	ng	99
70) Pentachlorophenol	16.439	266	684993	47.028	ng	99
71) Phenanthrene	16.815	178	4219442	46.990	ng	100
72) Anthracene	16.909	178	4261042	48.678	ng	99
73) Carbazole	17.192	167	2701535	32.161	ng	99
74) Di-n-butylphthalate	17.774	149	2046259	20.005	ng	99
75) Fluoranthene	18.862	202	10827979	102.698	ng	98
78) Pyrene	19.233	202	11904106	136.627	ng	98
80) Butylbenzylphthalate	20.162	149	794471	23.301	ng	98
81) Benzo(a)anthracene	21.009	228	5264591	71.064	ng	94
82) 3,3'-Dichlorobenzidine	20.950	252	84581	3.394	ng	# 95
83) Chrysene	21.068	228	7112119	102.058	ng	97
84) Bis(2-ethylhexyl)phtha...	20.956	149	1154332	23.954	ng	100
85) Di-n-octyl phthalate	21.986	149	1762298	21.728	ng	99
87) Indeno(1,2,3-cd)pyrene	26.726	276	3980216	50.014	ng	97
88) Benzo(b)fluoranthene	22.891	252	8721520	117.590	ng	99
89) Benzo(k)fluoranthene	22.938	252	3797551	54.012	ng	98
90) Benzo(a)pyrene	23.603	252	4143221	64.596	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	1964674	30.474	ng	98
92) Benzo(g,h,i)perylene	27.662	276	3247330	48.450	ng	99

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

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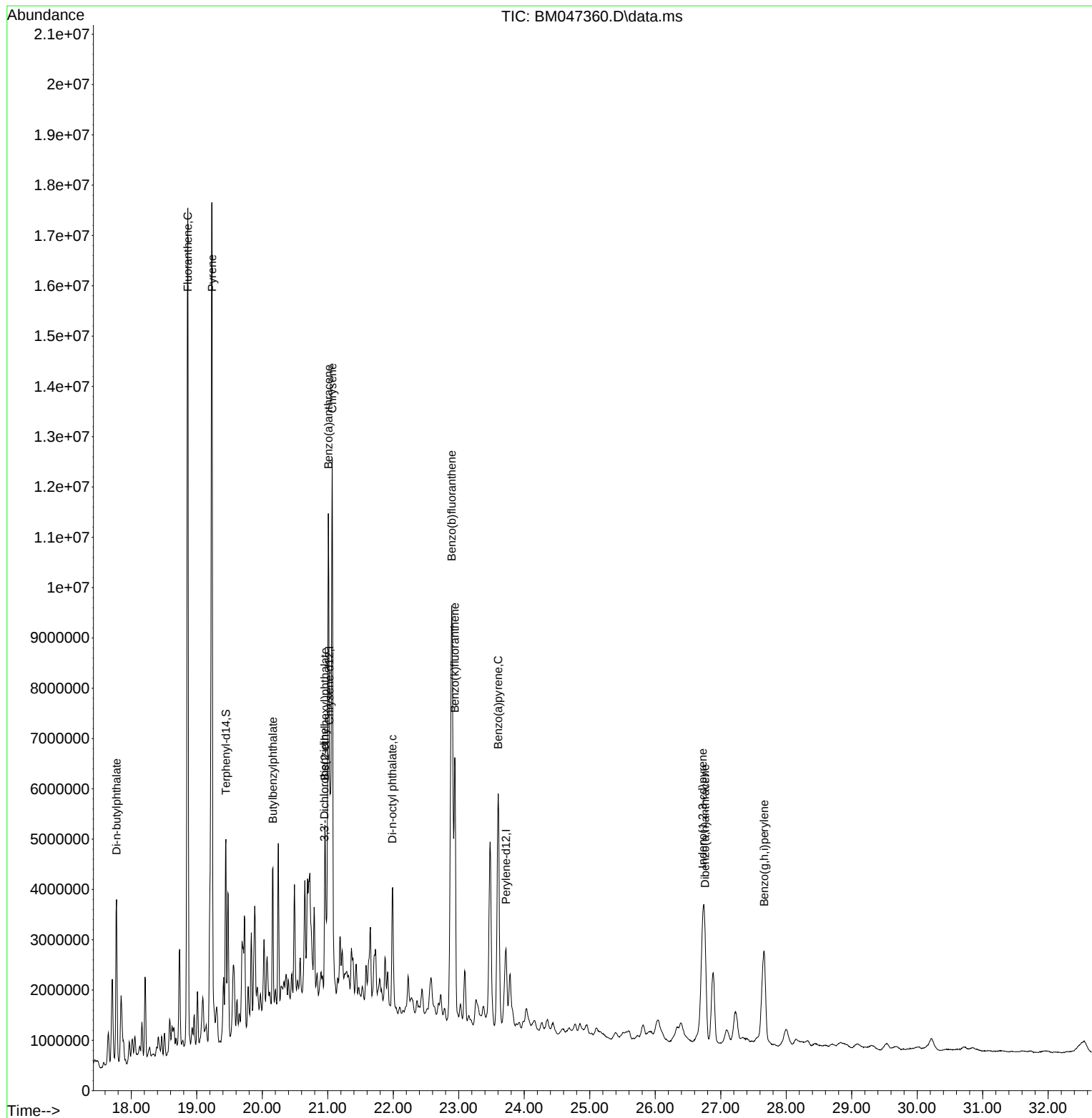
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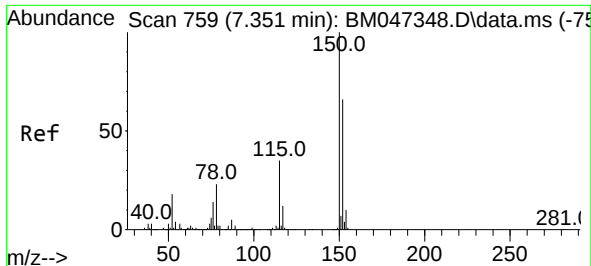


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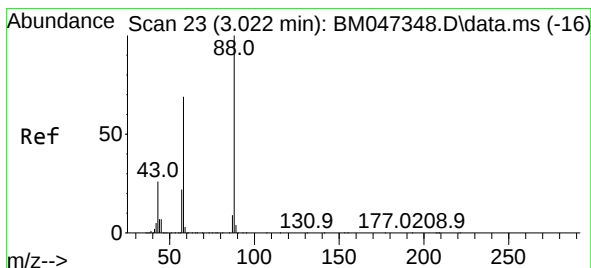
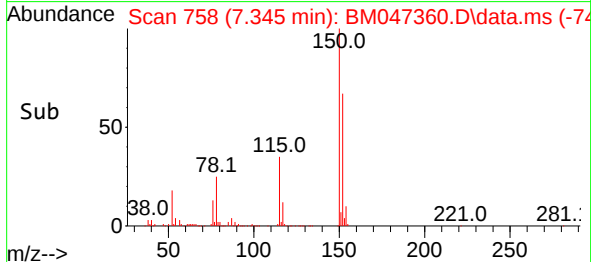
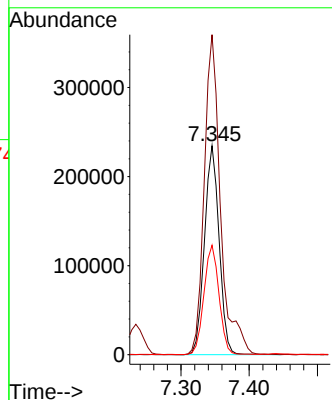
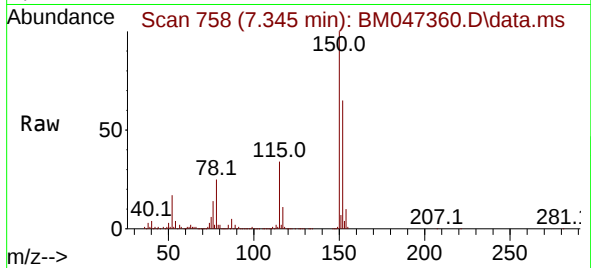




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047360.D
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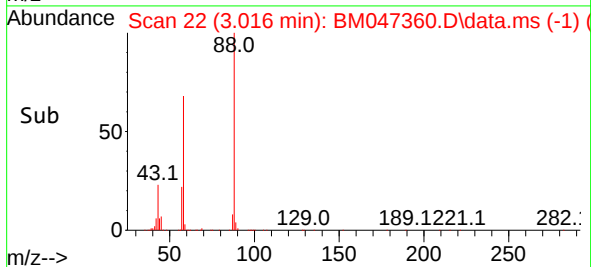
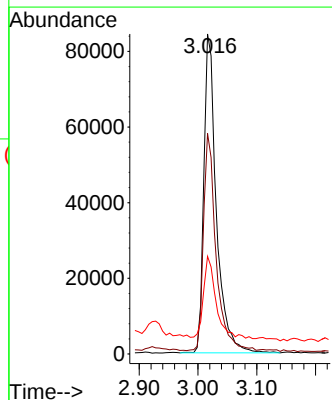
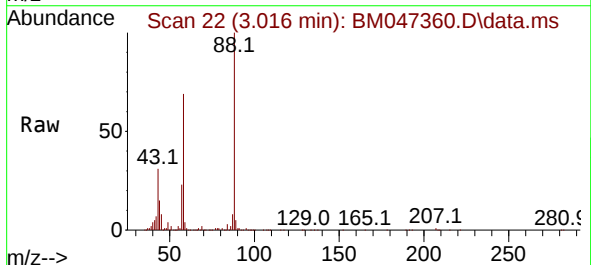
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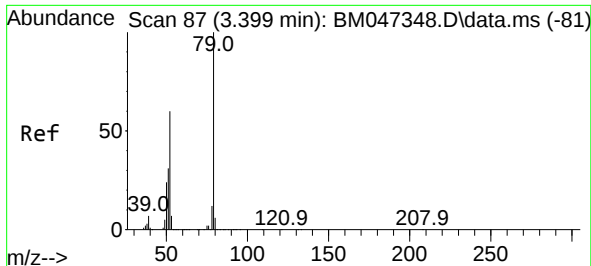
Tgt Ion:152 Resp: 350961
Ion Ratio Lower Upper
152 100
150 153.1 121.3 181.9
115 52.3 42.6 64.0



#2
1,4-Dioxane
Concen: 16.763 ng
RT: 3.016 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion: 88 Resp: 125517
Ion Ratio Lower Upper
88 100
58 67.4 55.4 83.0
43 25.9 20.7 31.1





#3

Pyridine

Concen: 16.651 ng

RT: 3.393 min Scan# 80

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

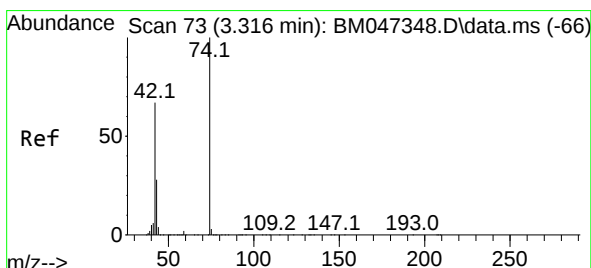
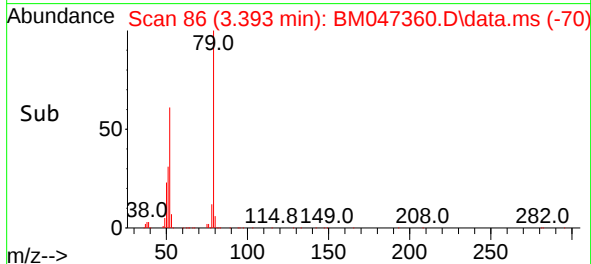
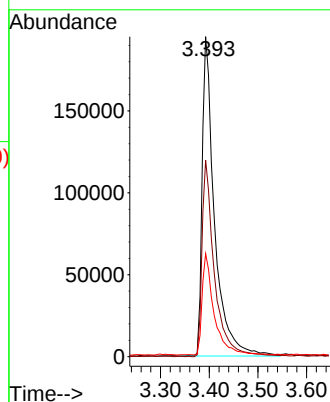
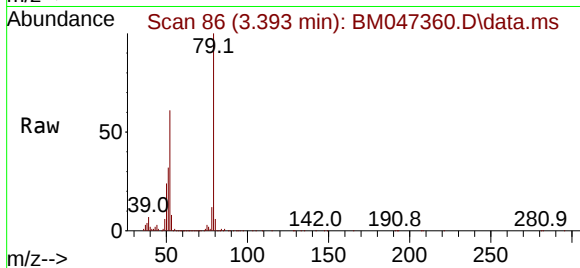
Tgt Ion: 79 Resp: 346034

Ion Ratio Lower Upper

79 100

52 61.5 47.8 71.6

51 32.2 25.0 37.4



#4

n-Nitrosodimethylamine

Concen: 18.993 ng

RT: 3.316 min Scan# 73

Delta R.T. 0.000 min

Lab File: BM047360.D

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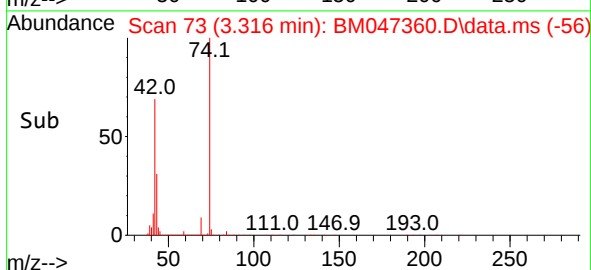
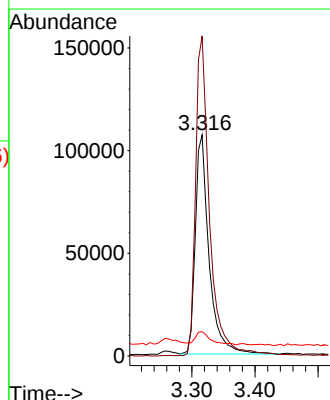
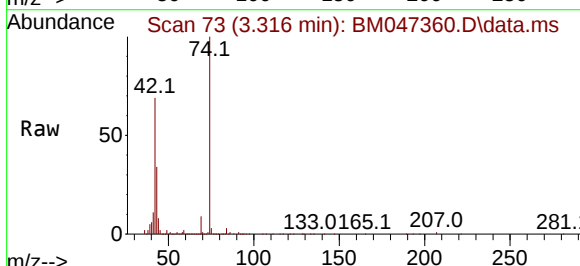
Tgt Ion: 42 Resp: 160748

Ion Ratio Lower Upper

42 100

74 144.7 119.2 178.8

44 11.0 5.2 7.8#

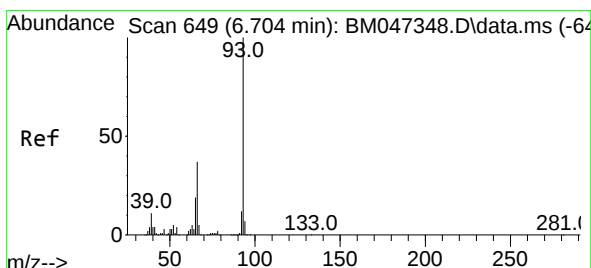
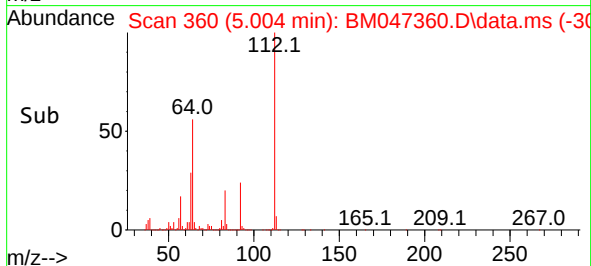
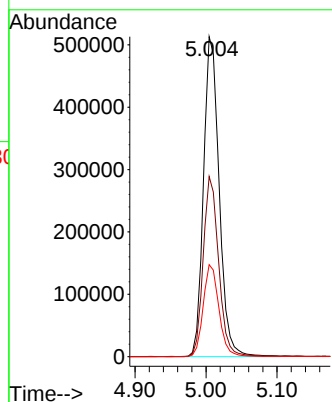
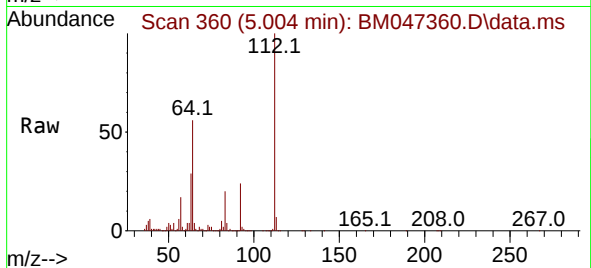




#5
2-Fluorophenol
Concen: 43.172 ng
RT: 5.004 min Scan# 360
Delta R.T. 0.000 min
Lab File: BM047360.D
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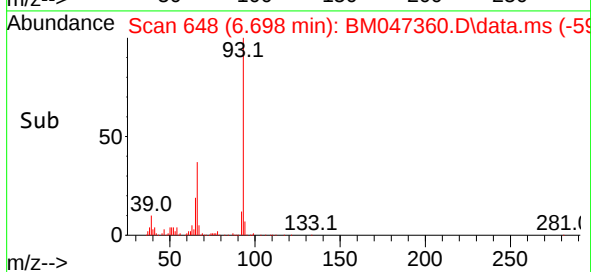
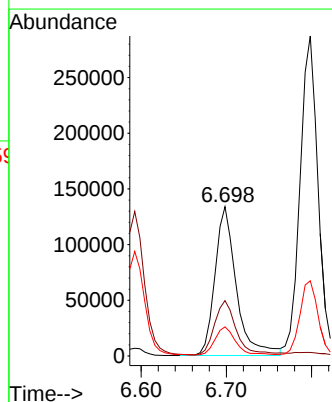
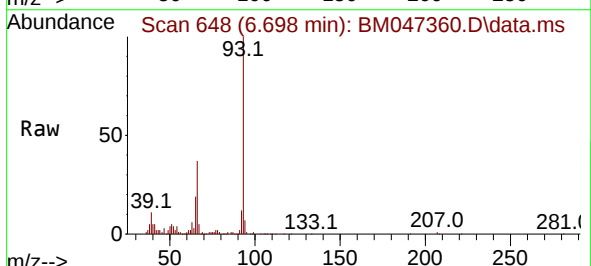
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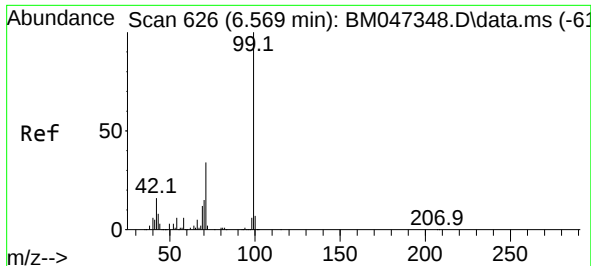
Tgt Ion:112 Resp: 789737
Ion Ratio Lower Upper
112 100
64 56.3 45.7 68.5
63 28.7 23.8 35.8



#6
Aniline
Concen: 10.362 ng
RT: 6.698 min Scan# 648
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion: 93 Resp: 233877
Ion Ratio Lower Upper
93 100
66 37.1 30.0 45.0
65 19.5 15.5 23.3

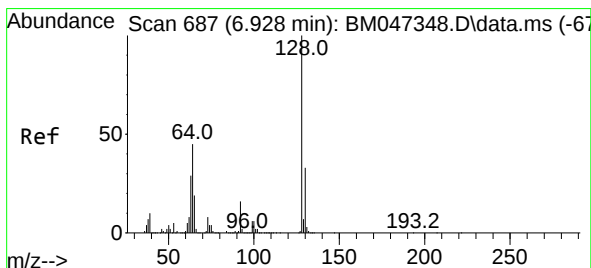
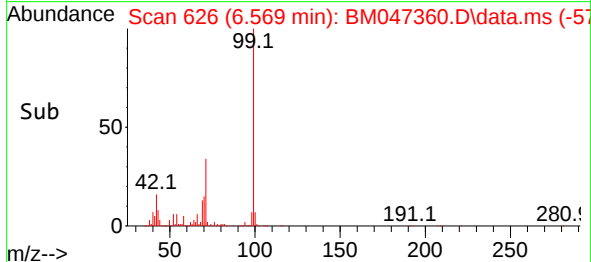
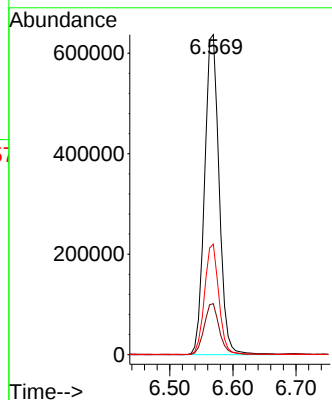
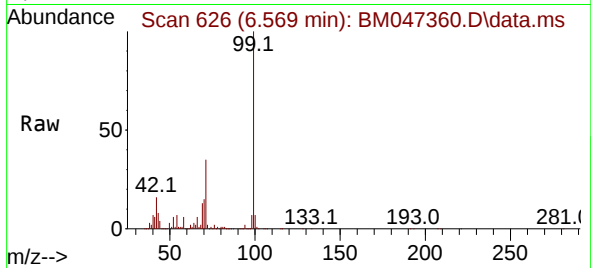




#7
Phenol-d6
Concen: 41.017 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.000 min
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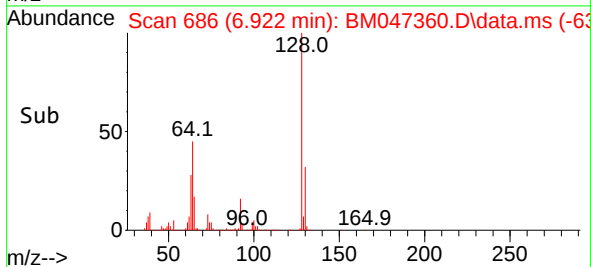
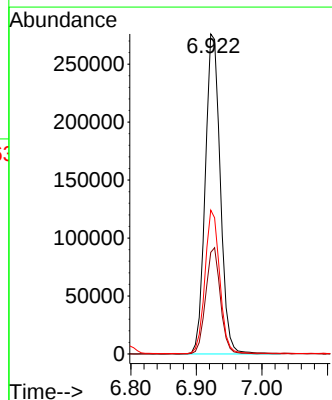
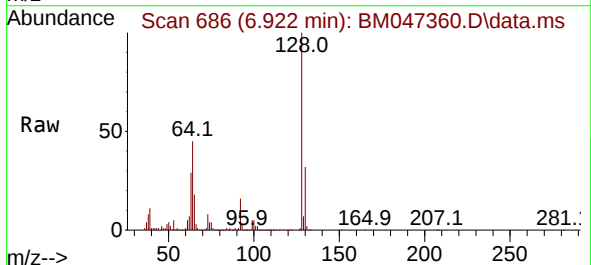
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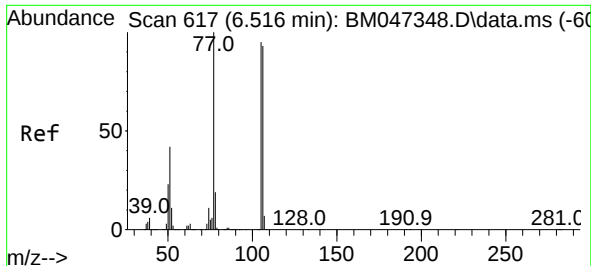
Tgt Ion: 99 Resp: 1022125
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 34.6 27.5 41.3



#8
2-Chlorophenol
Concen: 21.598 ng
RT: 6.922 min Scan# 686
Delta R.T. -0.006 min
Lab File: BM047360.D
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Tgt Ion: 128 Resp: 442221
Ion Ratio Lower Upper
128 100
130 31.8 12.9 52.9
64 44.9 25.3 65.3

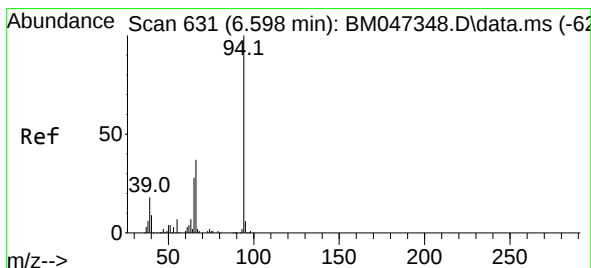
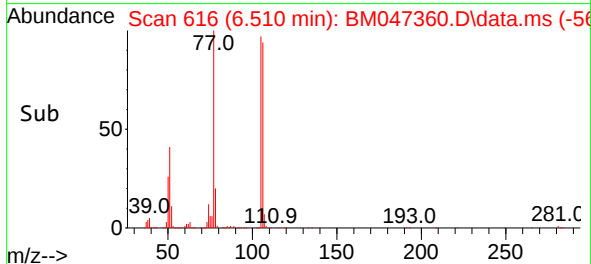
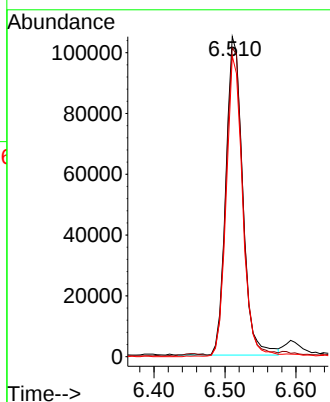
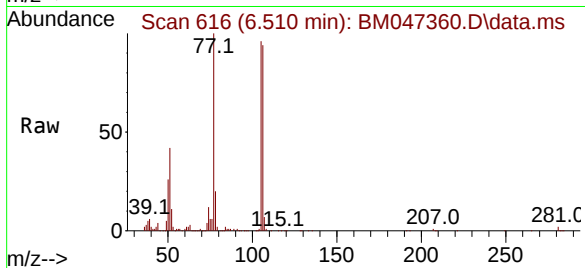




#9
Benzaldehyde
Concen: 9.974 ng
RT: 6.510 min Scan# 617
Delta R.T. -0.006 min
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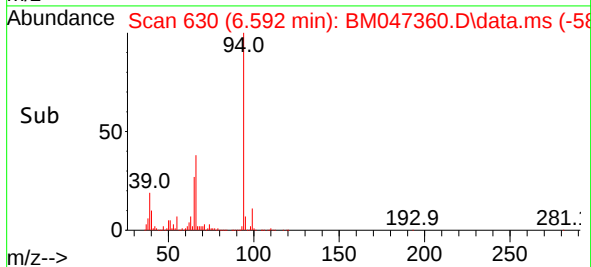
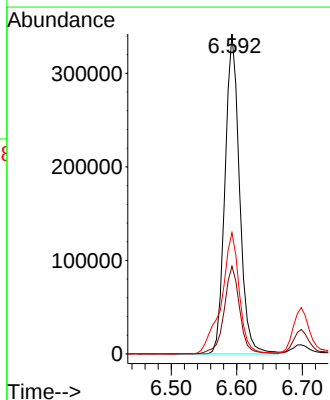
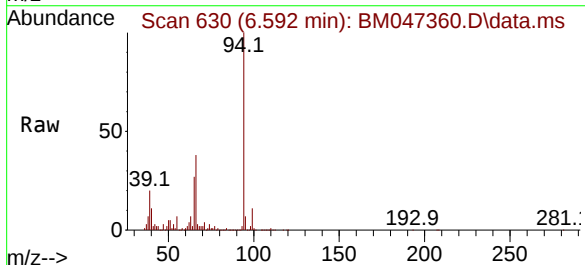
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ClientSampleId :
MOO-SOIL-PILEMS

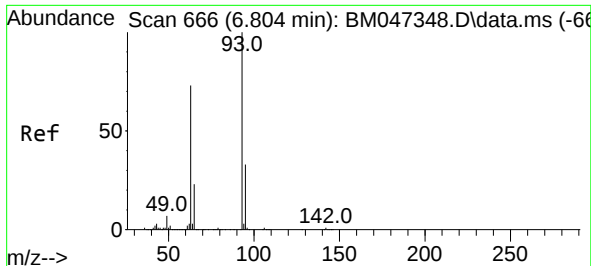
Tgt Ion: 77 Resp: 171884
Ion Ratio Lower Upper
77 100
105 96.5 74.9 114.9
106 94.0 72.6 112.6



#10
Phenol
Concen: 21.421 ng
RT: 6.592 min Scan# 630
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion: 94 Resp: 525195
Ion Ratio Lower Upper
94 100
65 27.4 7.9 47.9
66 37.9 17.3 57.3

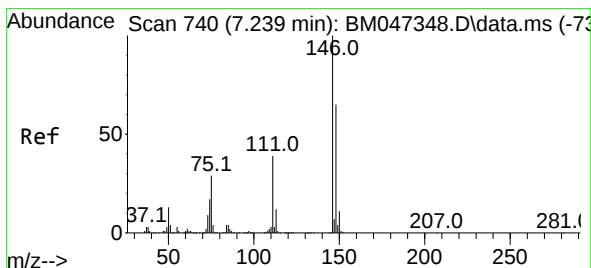
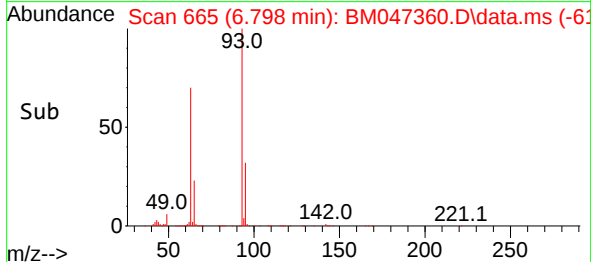
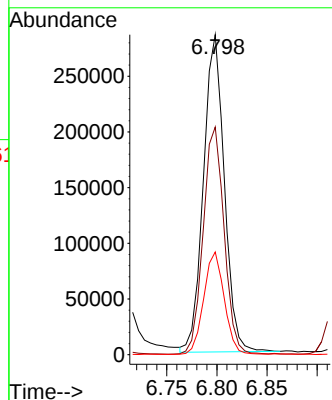
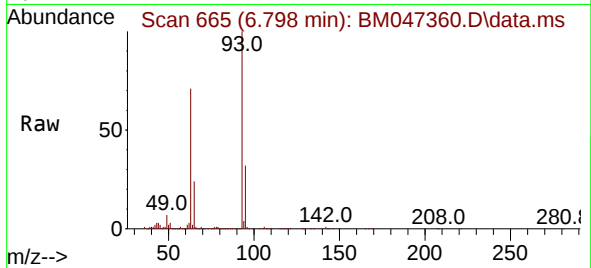




#11
bis(2-Chloroethyl)ether
Concen: 19.459 ng
RT: 6.798 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

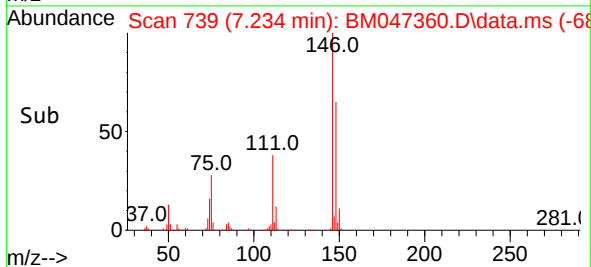
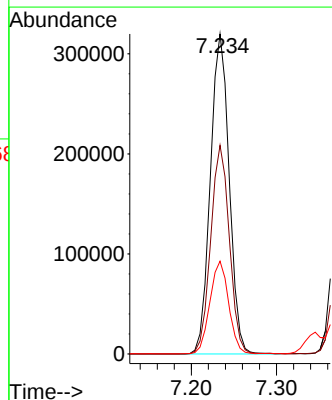
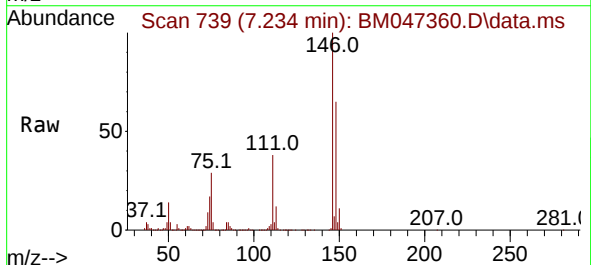
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

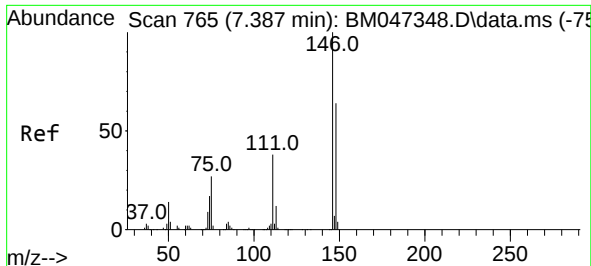
Tgt Ion: 93 Resp: 413452
Ion Ratio Lower Upper
93 100
63 71.1 52.2 92.2
95 32.1 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 19.557 ng
RT: 7.234 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion: 146 Resp: 489666
Ion Ratio Lower Upper
146 100
148 65.2 51.6 77.4
75 29.0 23.3 34.9

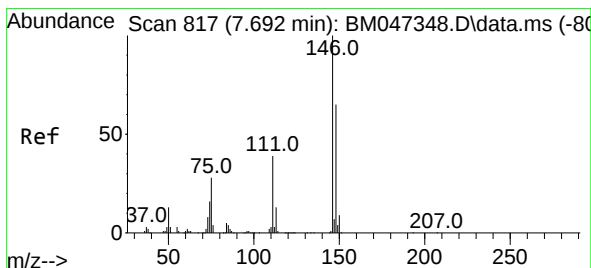
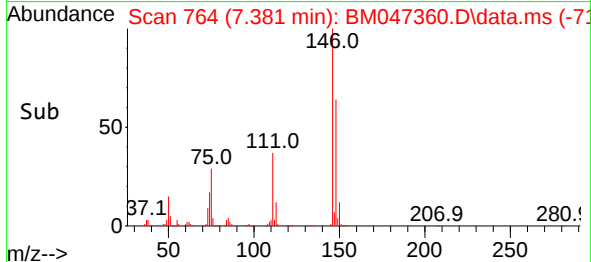
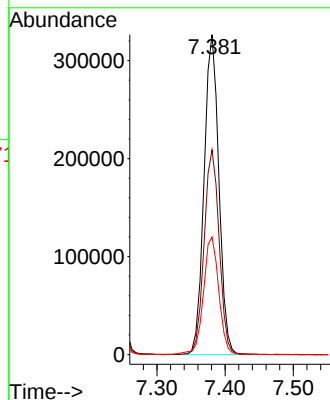
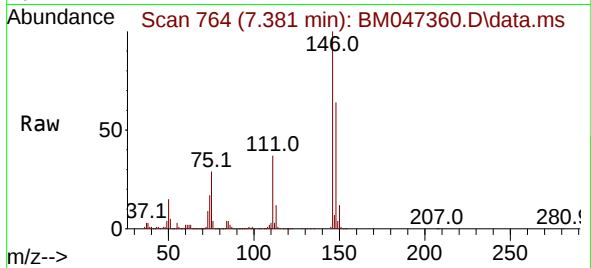




#13
1,4-Dichlorobenzene
Concen: 19.456 ng
RT: 7.381 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

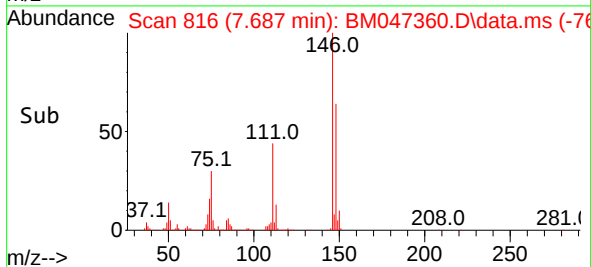
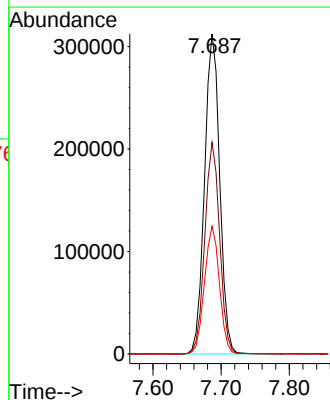
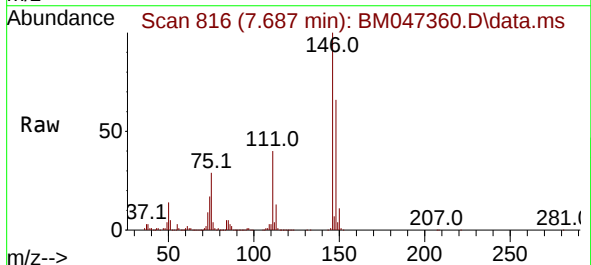
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

Tgt Ion:146 Resp: 493327
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.6
111 36.8 30.2 45.2



#14
1,2-Dichlorobenzene
Concen: 20.131 ng
RT: 7.687 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:146 Resp: 483749
Ion Ratio Lower Upper
146 100
148 66.1 51.8 77.6
111 39.9 31.7 47.5

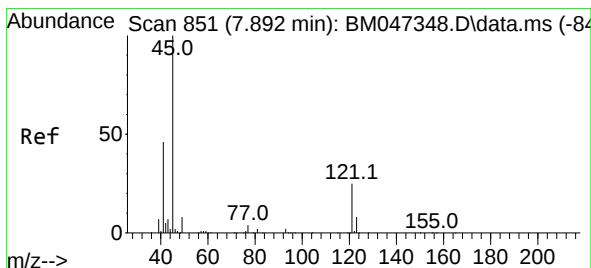
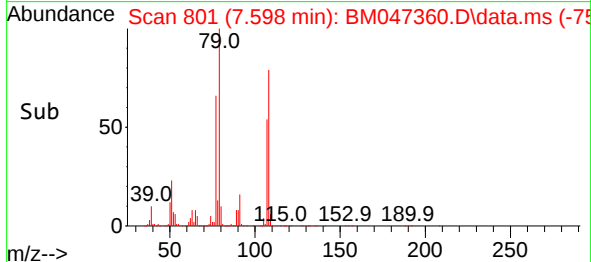
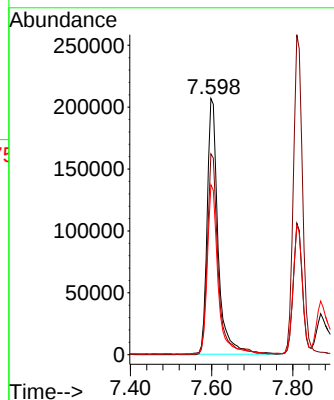
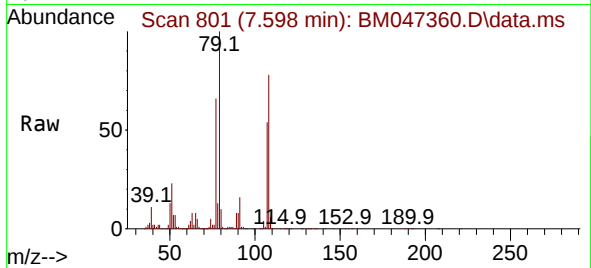




#15
Benzyl Alcohol
Concen: 22.272 ng
RT: 7.598 min Scan# 801
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

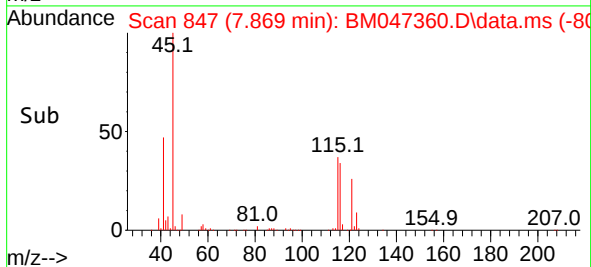
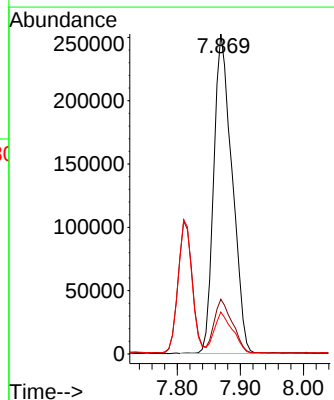
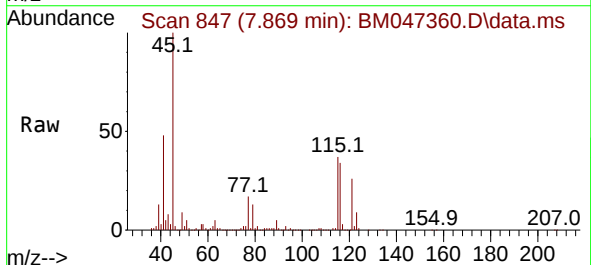
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

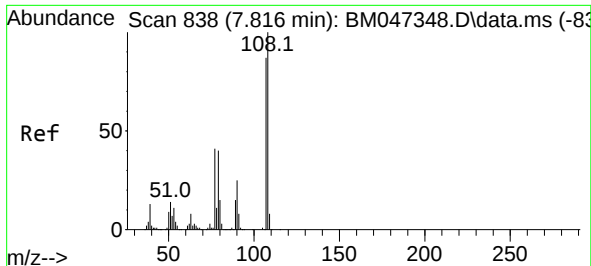
Tgt Ion: 79 Resp: 384778
Ion Ratio Lower Upper
79 100
108 78.4 61.1 91.7
77 66.3 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.978 ng
RT: 7.869 min Scan# 847
Delta R.T. -0.024 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

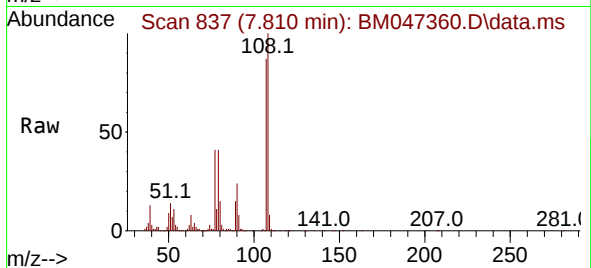
Tgt Ion: 45 Resp: 508955
Ion Ratio Lower Upper
45 100
77 17.1 0.0 36.7
79 13.1 0.0 33.0



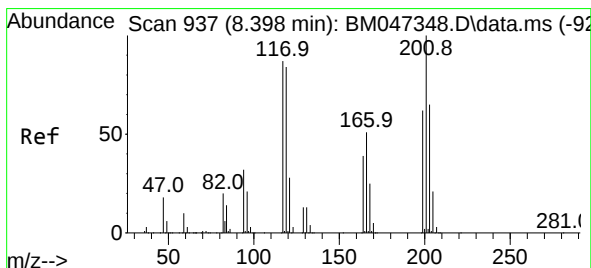
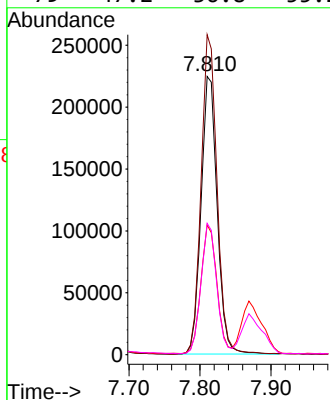
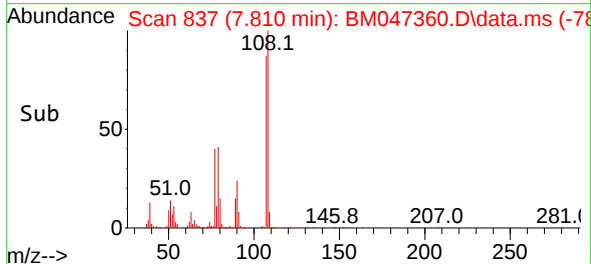


#17
2-Methylphenol
Concen: 20.841 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

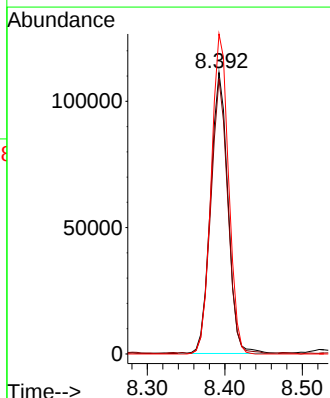
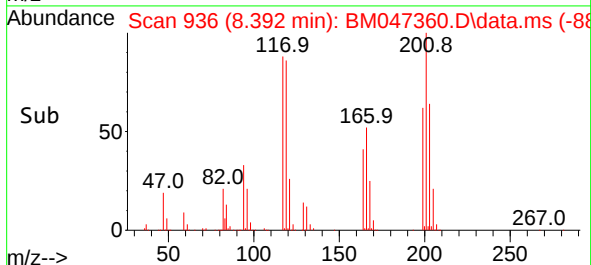
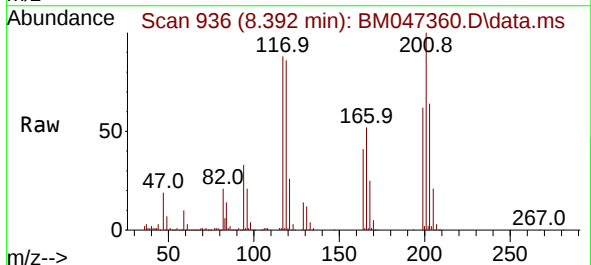


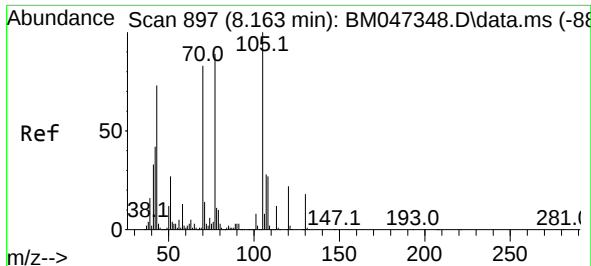
Tgt Ion:	107	Resp:	355006
Ion	Ratio	Lower	Upper
107	100		
108	115.0	91.6	137.4
77	46.7	38.0	57.0
79	47.2	36.8	55.2



#18
Hexachloroethane
Concen: 18.379 ng
RT: 8.392 min Scan# 936
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:	117	Resp:	174213
Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.8	116.8
201	113.7	92.3	138.5



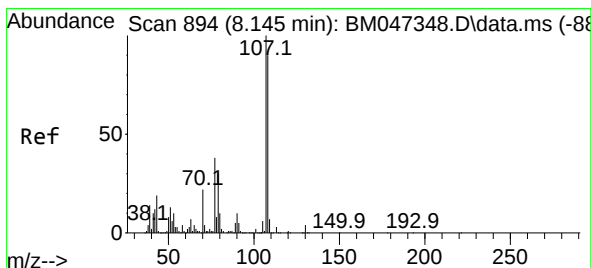
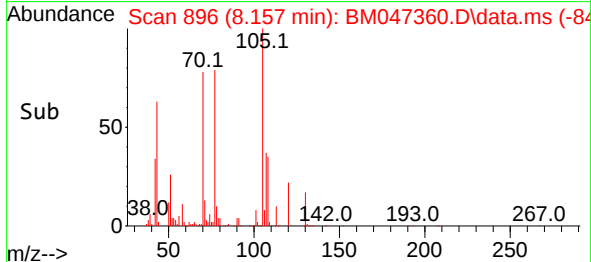
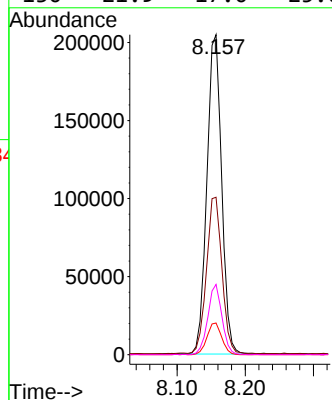
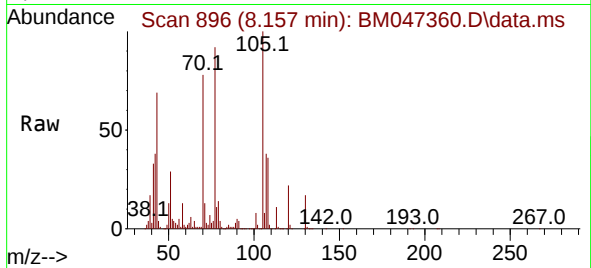


#19
n-Nitroso-di-n-propylamine
Concen: 18.029 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

Tgt Ion: 70 Resp: 308840

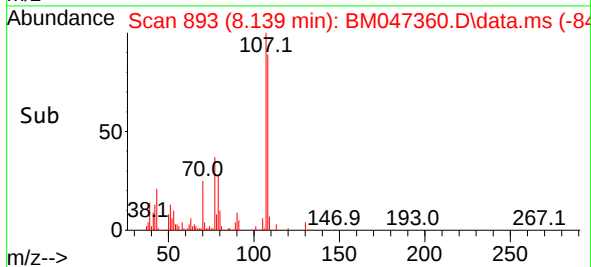
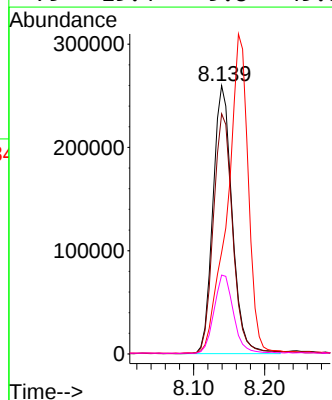
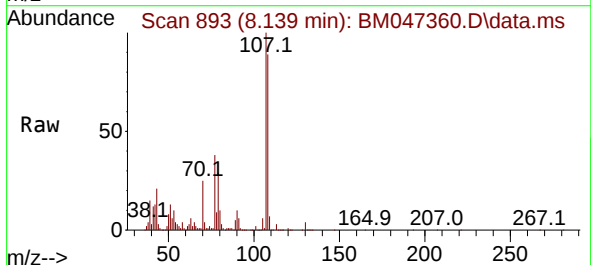
Ion	Ratio	Lower	Upper
70	100		
42	49.2	41.0	61.4
101	9.9	7.9	11.9
130	21.9	17.0	25.6

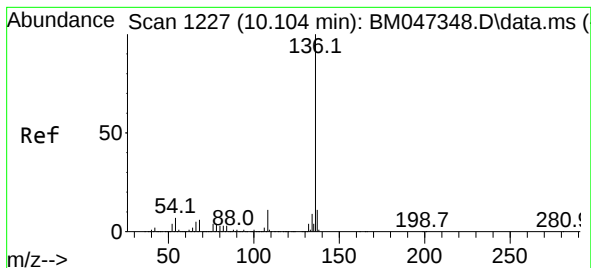


#20
3+4-Methylphenols
Concen: 20.534 ng
RT: 8.139 min Scan# 893
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion: 107 Resp: 486328

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.8	109.8
77	37.9	18.0	58.0
79	29.4	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.098 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion:136 Resp: 1340184

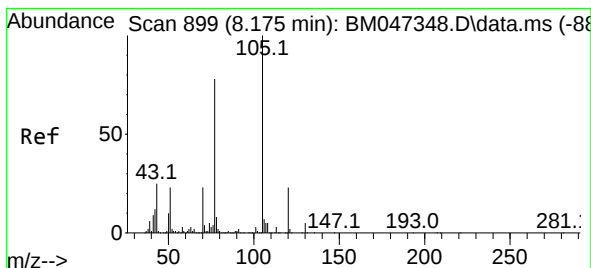
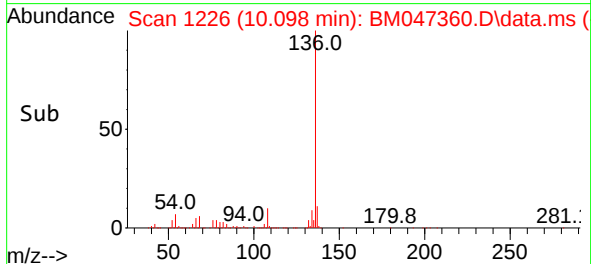
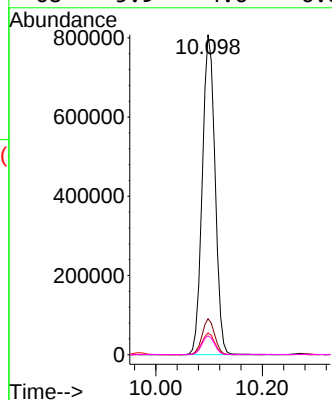
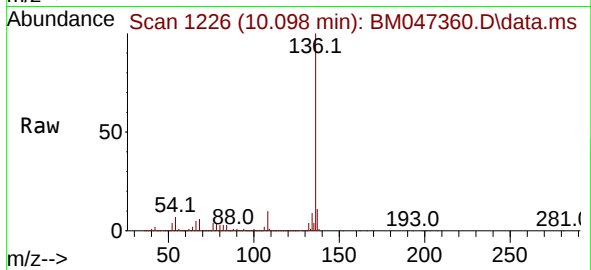
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 6.8 5.2 7.8

68 5.9 4.6 6.8



#22

Acetophenone

Concen: 19.684 ng

RT: 8.169 min Scan# 898

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Tgt Ion:105 Resp: 612229

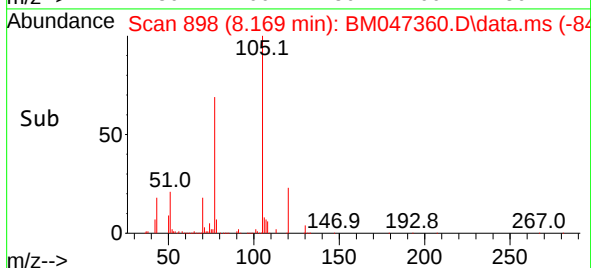
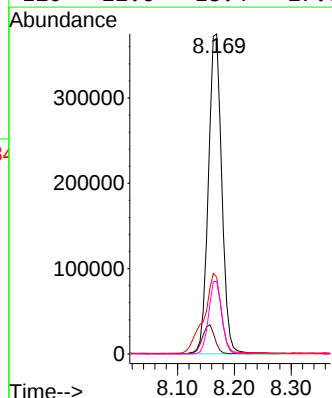
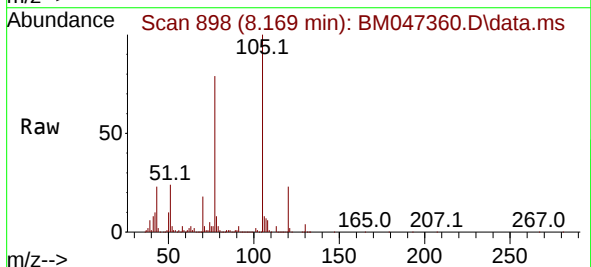
Ion Ratio Lower Upper

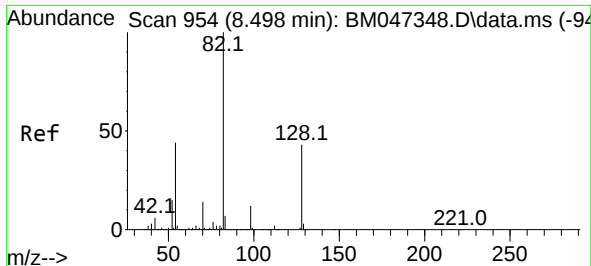
105 100

71 3.1 3.1 4.7

51 24.0 18.7 28.1

120 22.6 18.4 27.6





#23

Nitrobenzene-d5

Concen: 27.753 ng

RT: 8.492 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

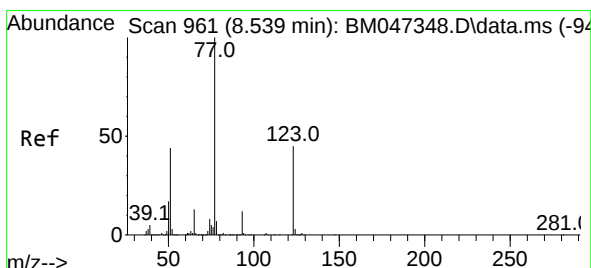
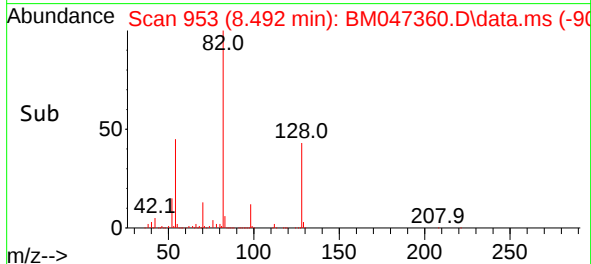
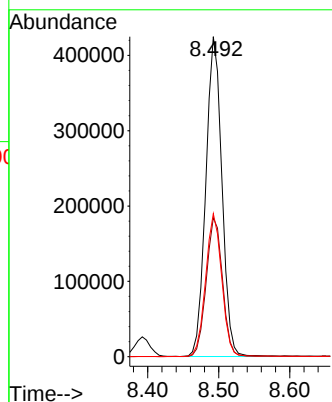
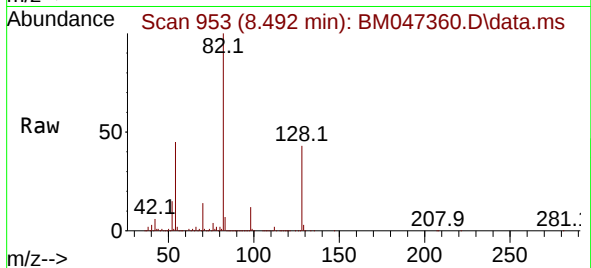
Tgt Ion: 82 Resp: 670325

Ion Ratio Lower Upper

82 100

128 43.4 34.6 51.8

54 44.7 35.5 53.3



#24

Nitrobenzene

Concen: 19.469 ng

RT: 8.534 min Scan# 960

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

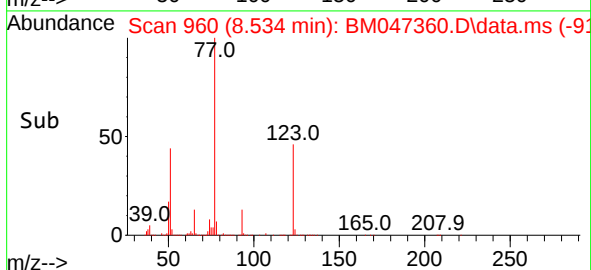
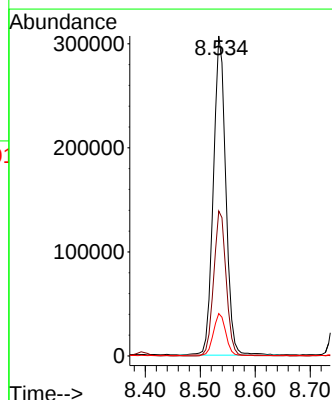
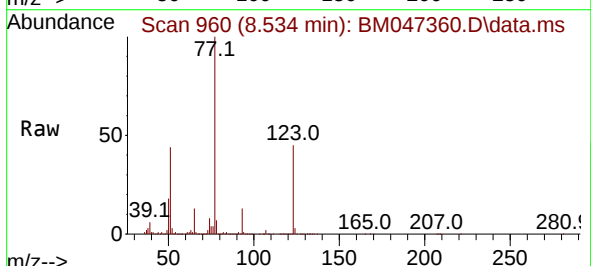
Tgt Ion: 77 Resp: 483643

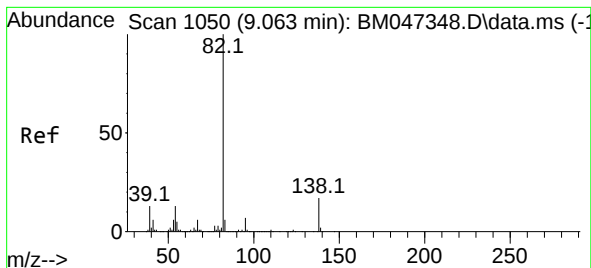
Ion Ratio Lower Upper

77 100

123 45.3 35.6 53.4

65 13.3 10.5 15.7





#25

Isophorone

Concen: 19.409 ng

RT: 9.057 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

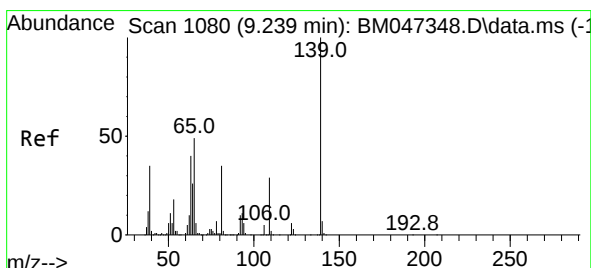
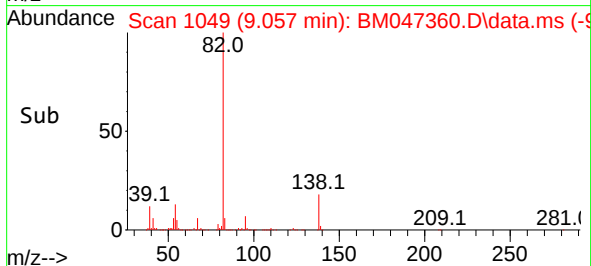
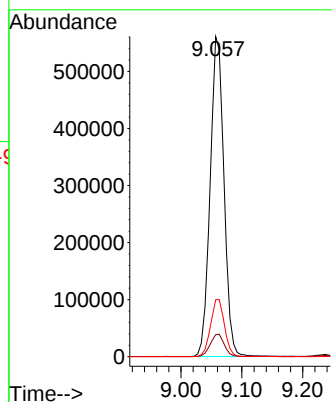
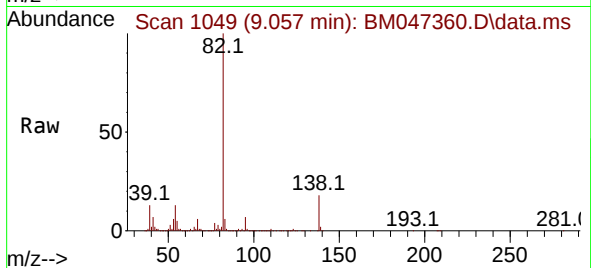
Tgt Ion: 82 Resp: 886019

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

138 17.8 13.9 20.9



#26

2-Nitrophenol

Concen: 20.237 ng

RT: 9.233 min Scan# 1079

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

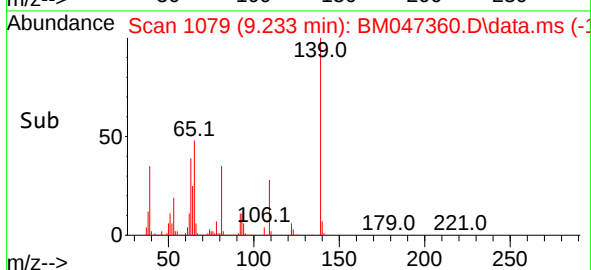
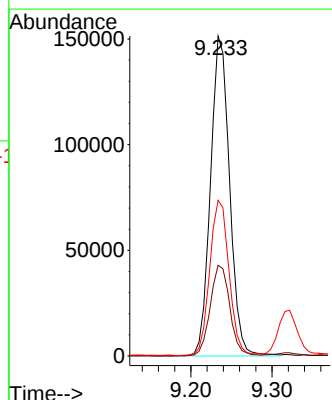
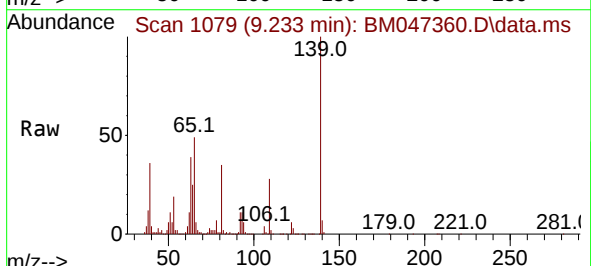
Tgt Ion:139 Resp: 247278

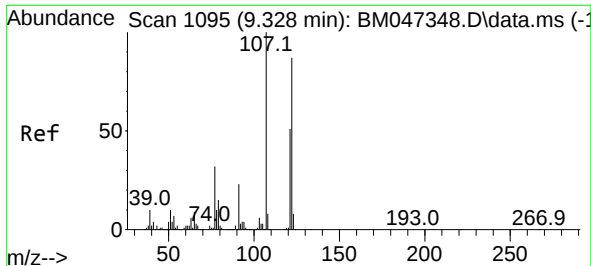
Ion Ratio Lower Upper

139 100

109 28.3 23.4 35.0

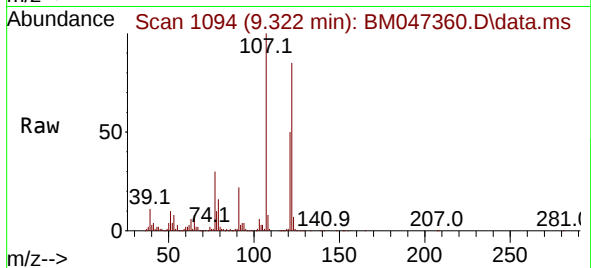
65 48.6 39.6 59.4



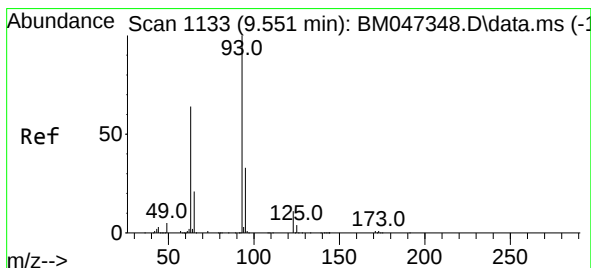
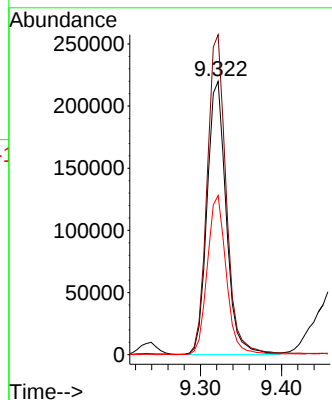
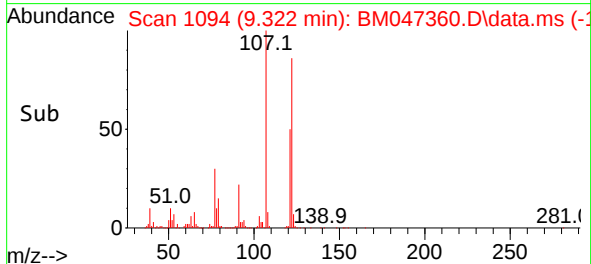


#27
2,4-Dimethylphenol
Concen: 26.067 ng
RT: 9.322 min Scan# 1094
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

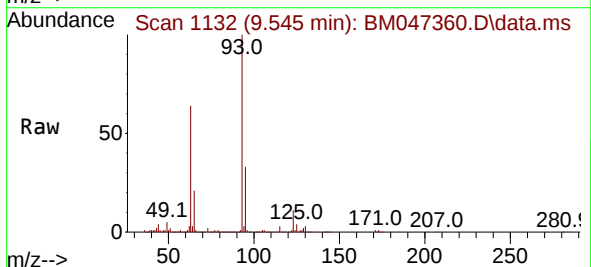
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS



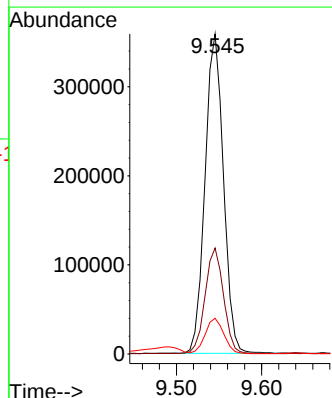
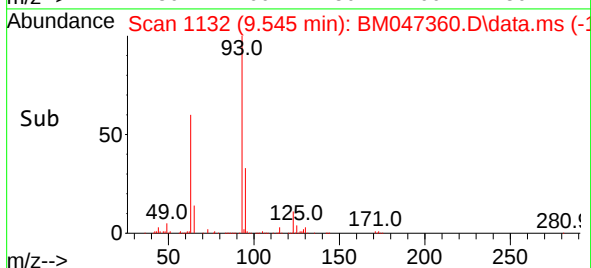
Tgt Ion:122 Resp: 359527
Ion Ratio Lower Upper
122 100
107 117.1 91.9 137.9
121 58.3 47.0 70.6

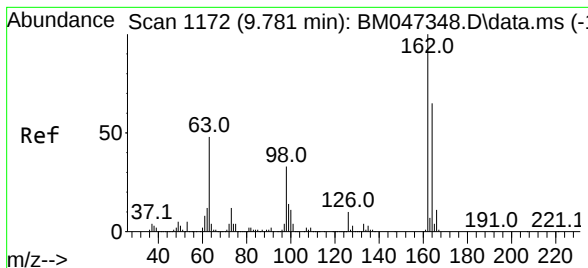


#28
bis(2-Chloroethoxy)methane
Concen: 19.254 ng
RT: 9.545 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37



Tgt Ion: 93 Resp: 538234
Ion Ratio Lower Upper
93 100
95 33.1 26.6 39.8
123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 21.636 ng

RT: 9.775 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

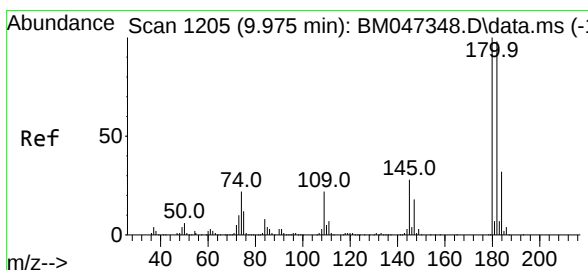
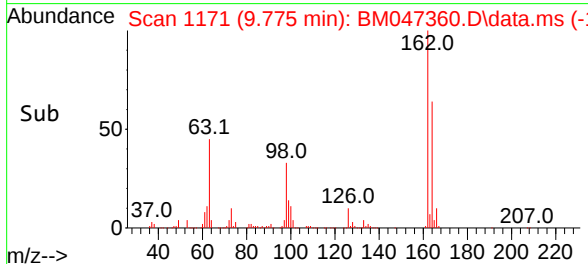
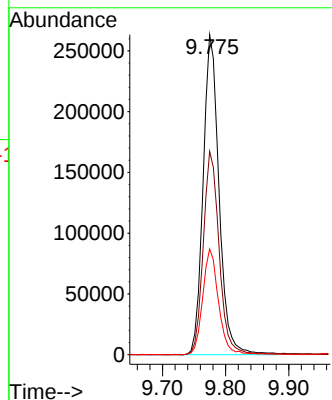
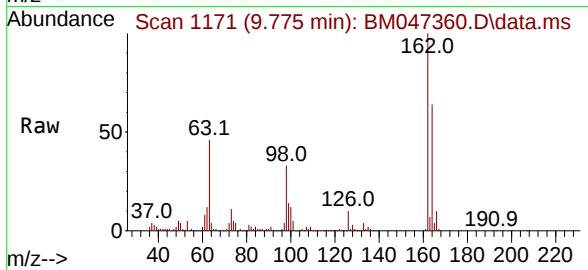
Tgt Ion:162 Resp: 462924

Ion Ratio Lower Upper

162 100

164 63.5 44.6 84.6

98 33.0 13.2 53.2



#30

1,2,4-Trichlorobenzene

Concen: 19.732 ng

RT: 9.969 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

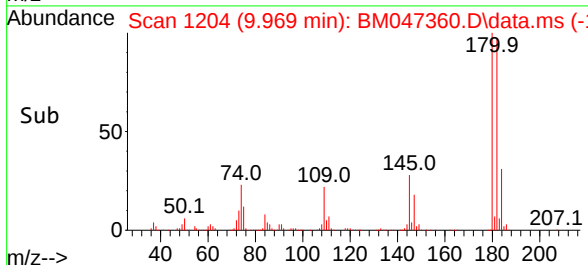
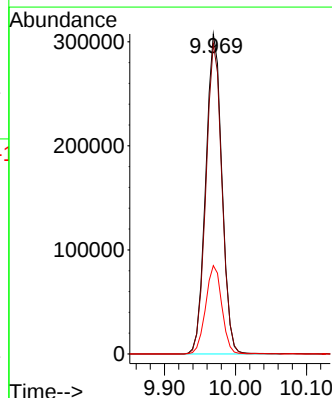
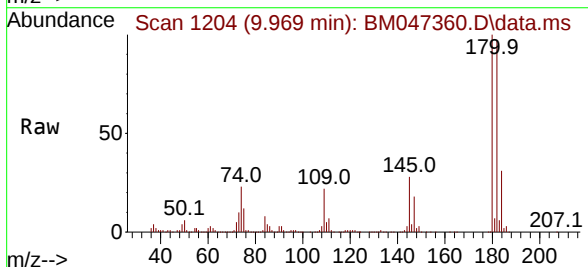
Tgt Ion:180 Resp: 487635

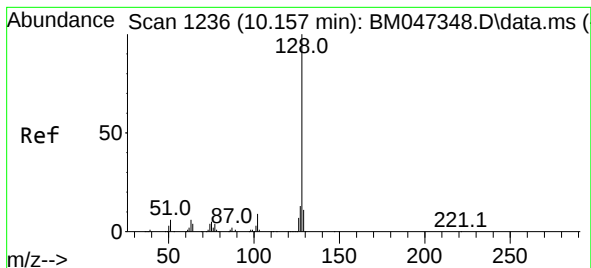
Ion Ratio Lower Upper

180 100

182 97.0 78.2 117.2

145 27.6 22.3 33.5





#31

Naphthalene

Concen: 21.555 ng

RT: 10.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

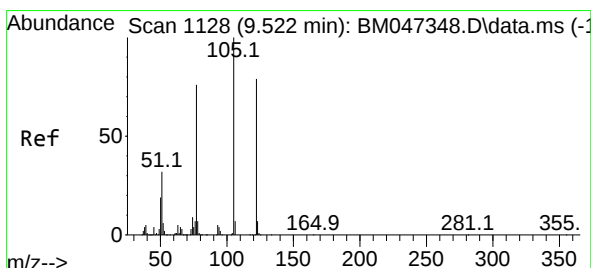
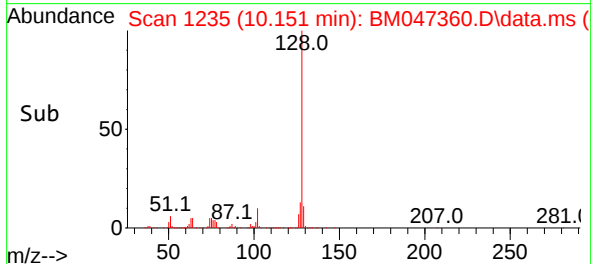
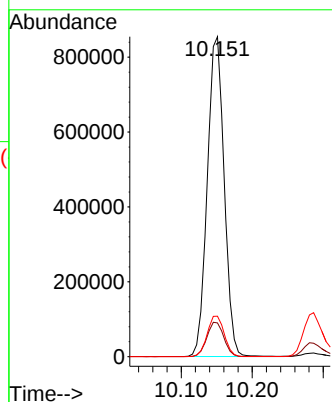
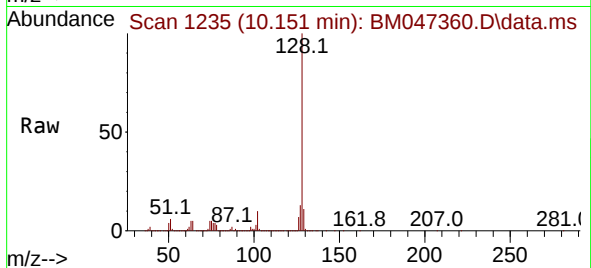
Tgt Ion:128 Resp: 1410927

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

127 12.7 10.4 15.6



#32

Benzoic acid

Concen: 18.745 ng

RT: 9.492 min Scan# 1123

Delta R.T. -0.030 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

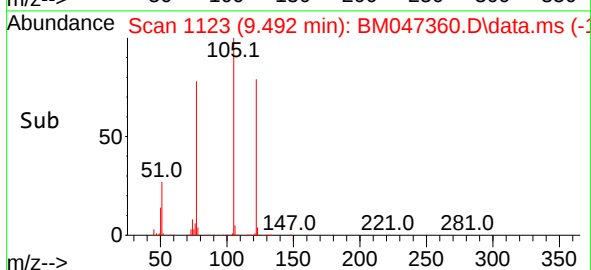
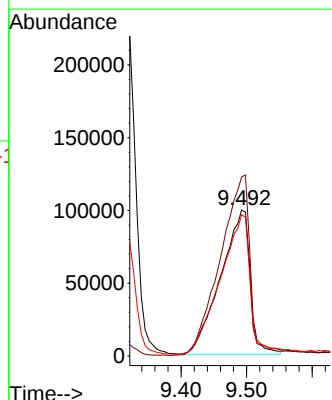
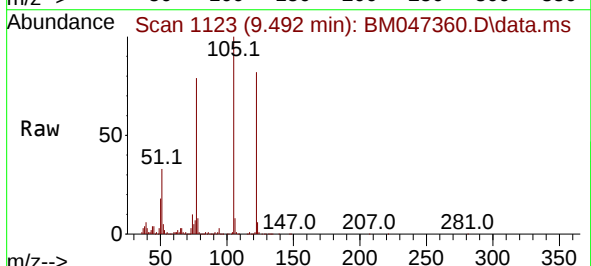
Tgt Ion:122 Resp: 308716

Ion Ratio Lower Upper

122 100

105 122.6 106.0 146.0

77 96.6 76.3 116.3





#33

4-Chloroaniline

Concen: 10.305 ng

RT: 10.286 min Scan# 1258

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion:127 Resp: 250802

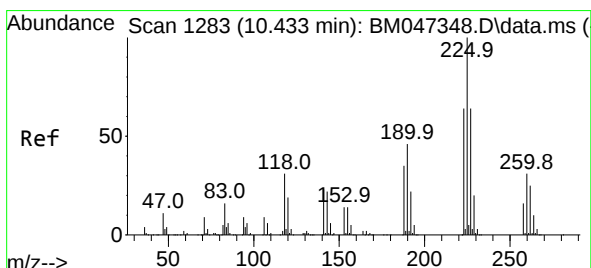
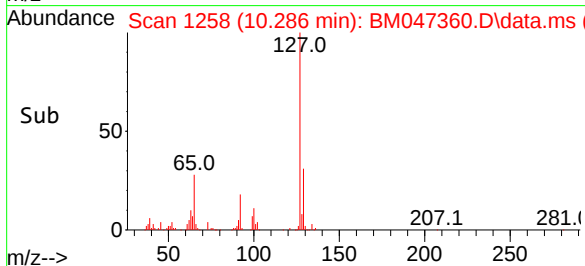
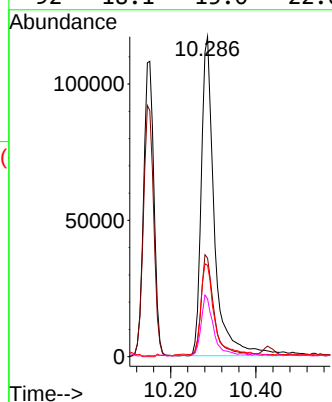
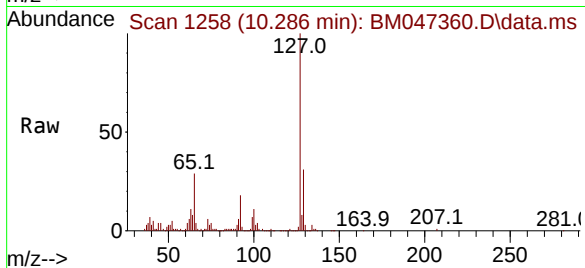
Ion Ratio Lower Upper

127 100

129 30.8 25.8 38.8

65 28.5 24.2 36.2

92 18.1 15.0 22.6



#34

Hexachlorobutadiene

Concen: 19.970 ng

RT: 10.428 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

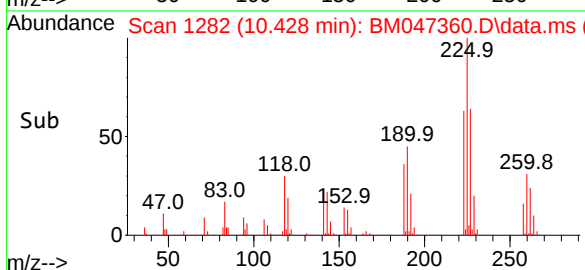
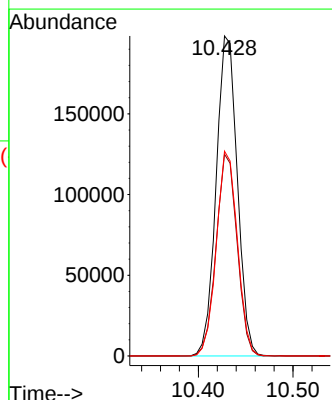
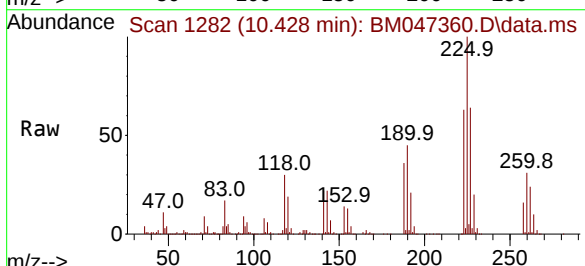
Tgt Ion:225 Resp: 308208

Ion Ratio Lower Upper

225 100

223 63.0 51.1 76.7

227 64.0 51.0 76.6





#35

Caprolactam

Concen: 19.506 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

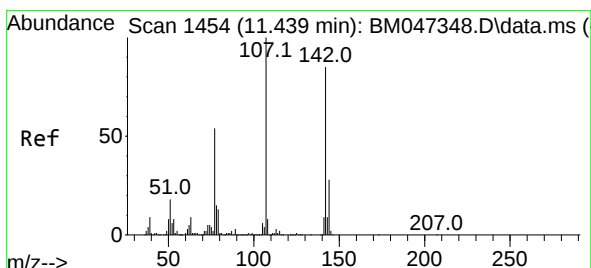
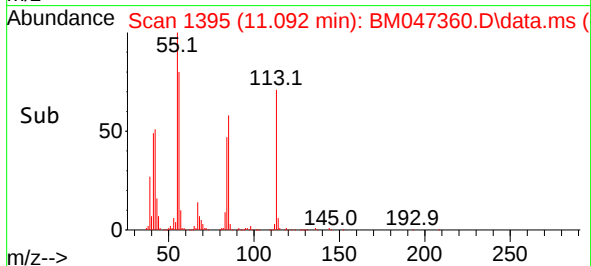
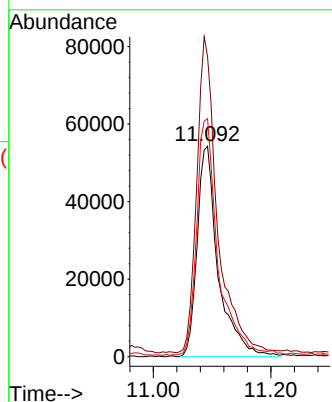
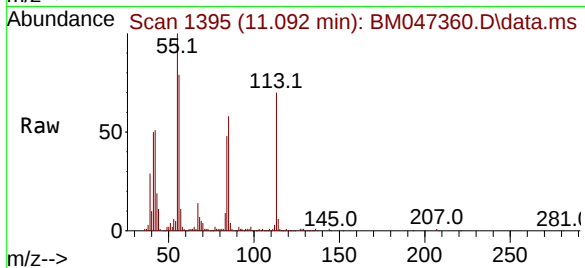
Tgt Ion:113 Resp: 135194

Ion Ratio Lower Upper

113 100

55 142.6 126.2 166.2

56 113.1 93.2 133.2



#36

4-Chloro-3-methylphenol

Concen: 20.409 ng

RT: 11.433 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

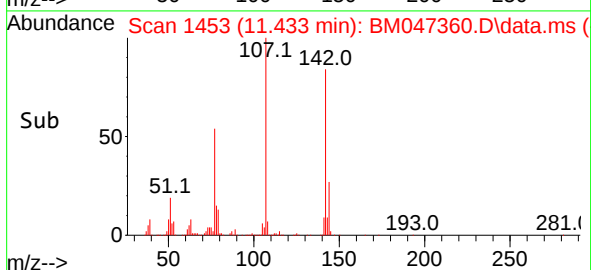
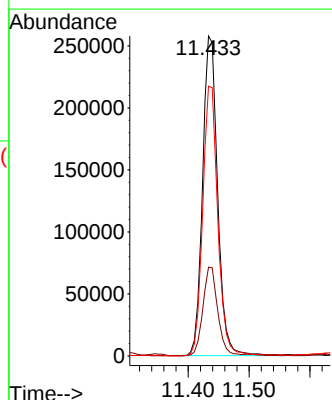
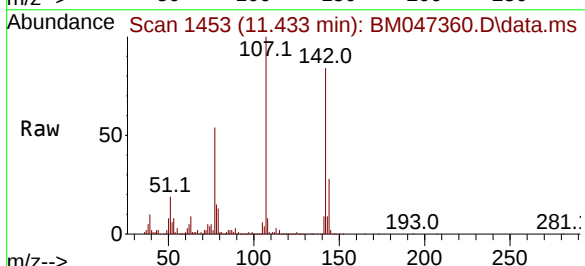
Tgt Ion:107 Resp: 443439

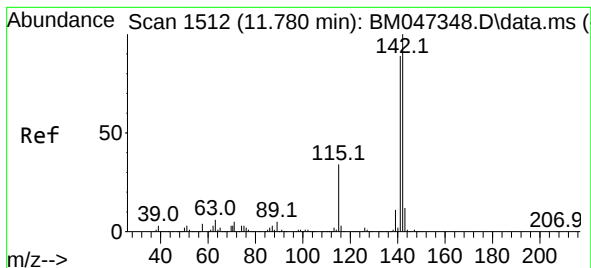
Ion Ratio Lower Upper

107 100

144 27.7 22.2 33.4

142 84.3 67.7 101.5





#37

2-Methylnaphthalene

Concen: 21.007 ng

RT: 11.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

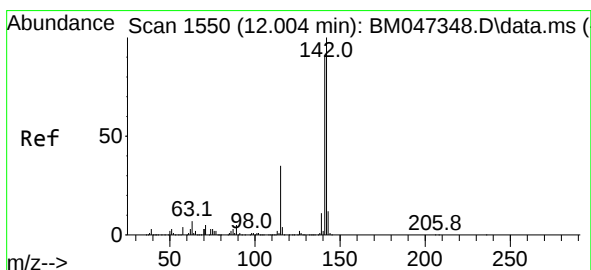
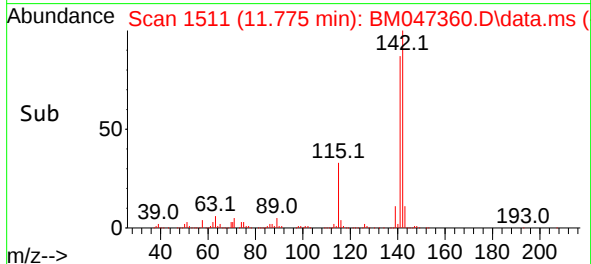
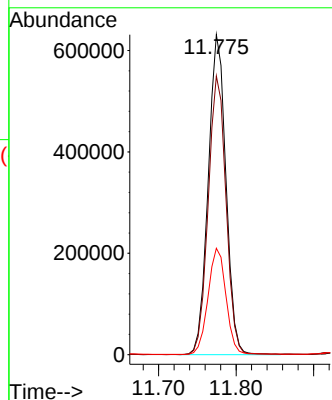
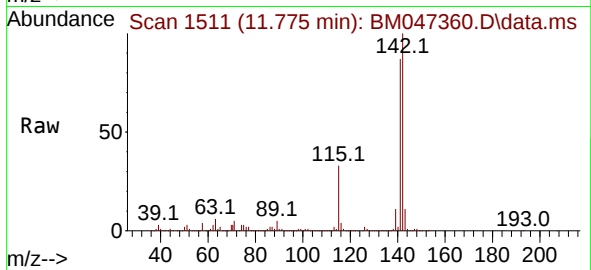
Tgt Ion:142 Resp: 1002613

Ion Ratio Lower Upper

142 100

141 87.1 70.8 106.2

115 33.3 27.5 41.3



#38

1-Methylnaphthalene

Concen: 19.331 ng

RT: 12.004 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

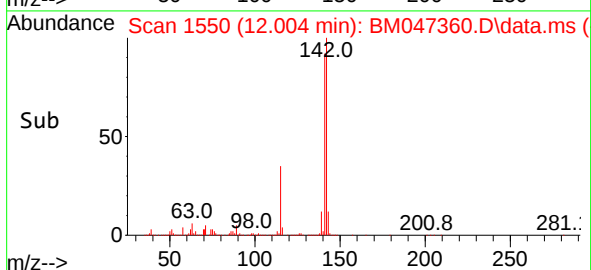
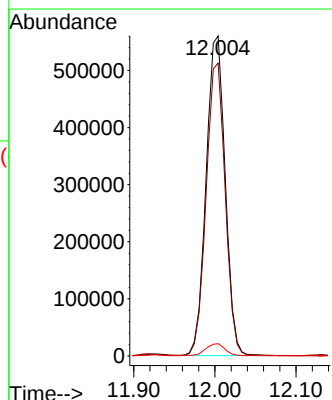
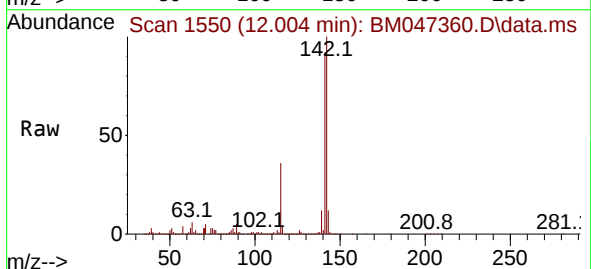
Tgt Ion:142 Resp: 912488

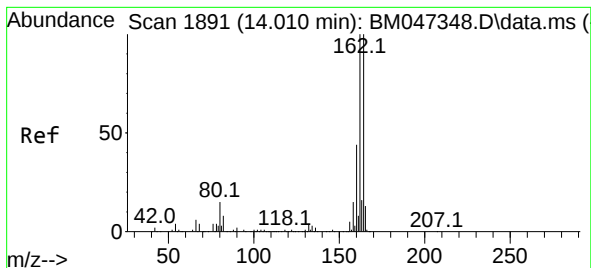
Ion Ratio Lower Upper

142 100

141 91.5 72.9 109.3

116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.010 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

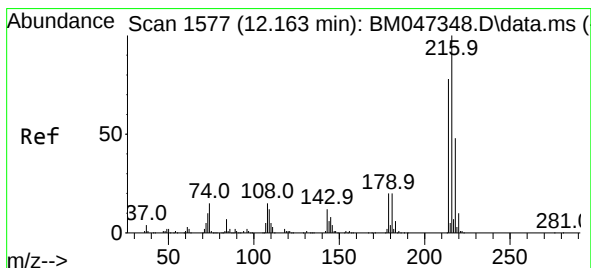
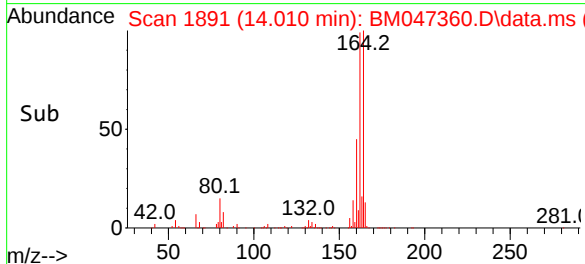
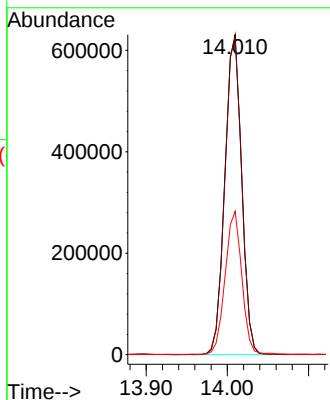
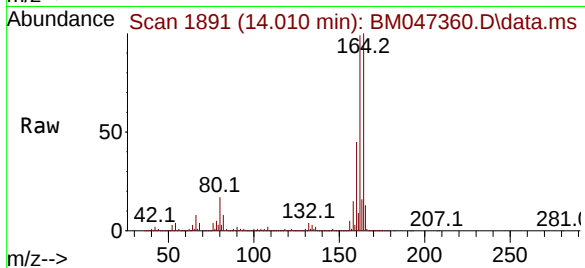
Tgt Ion:164 Resp: 907134

Ion Ratio Lower Upper

164 100

162 99.2 79.7 119.5

160 44.8 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.303 ng

RT: 12.157 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Tgt Ion:216 Resp: 545367

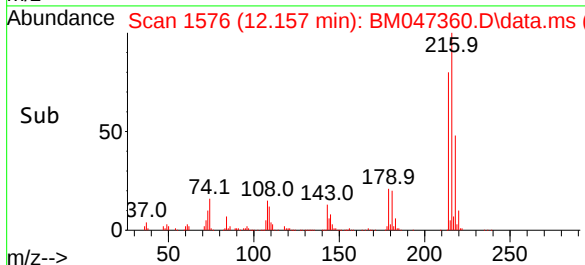
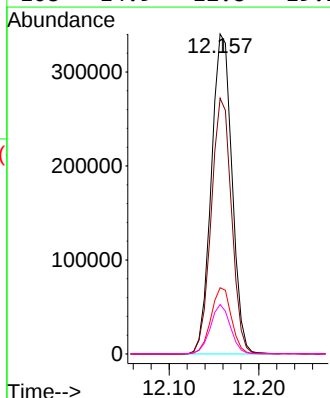
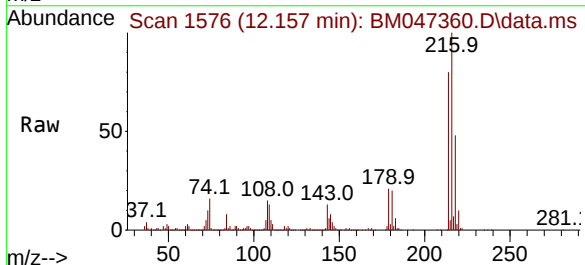
Ion Ratio Lower Upper

216 100

214 78.6 62.6 94.0

179 20.5 16.6 24.8

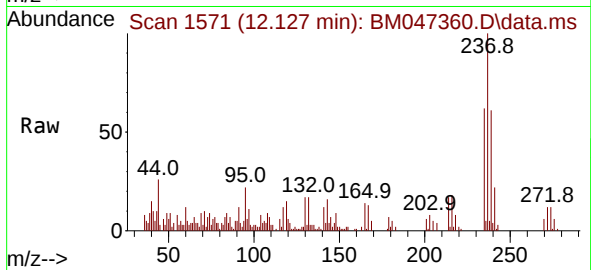
108 14.9 12.8 19.2



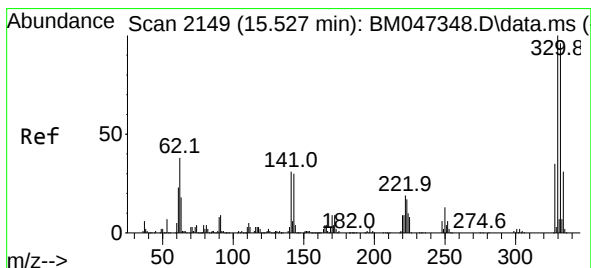
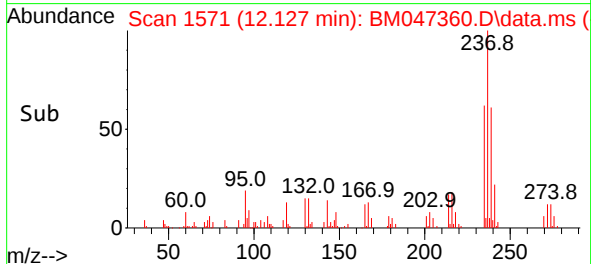
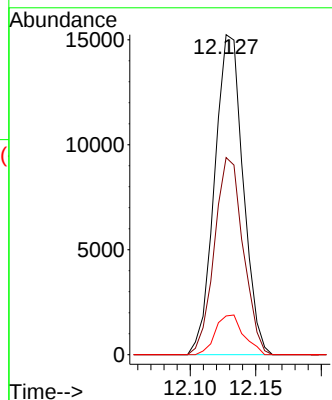


#41
Hexachlorocyclopentadiene
Concen: 2.720 ng
RT: 12.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

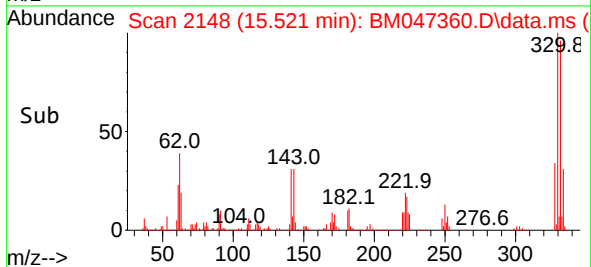
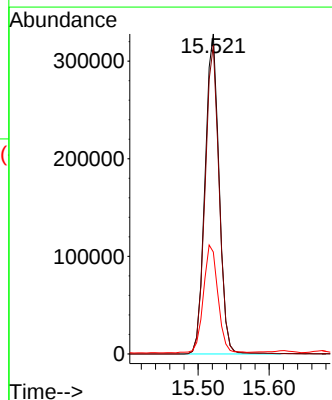
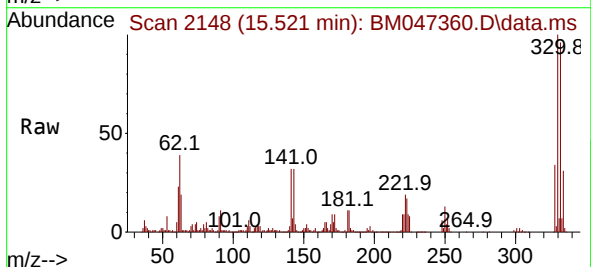


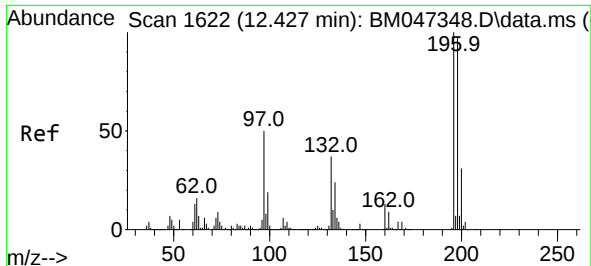
Tgt Ion:237 Resp: 23063
Ion Ratio Lower Upper
237 100
235 61.6 42.1 82.1
272 12.1 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 41.312 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:330 Resp: 452136
Ion Ratio Lower Upper
330 100
332 96.3 77.2 115.8
141 34.6 27.6 41.4

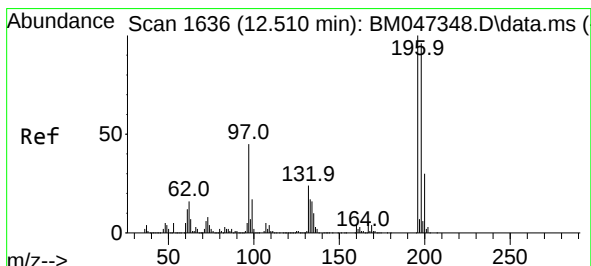
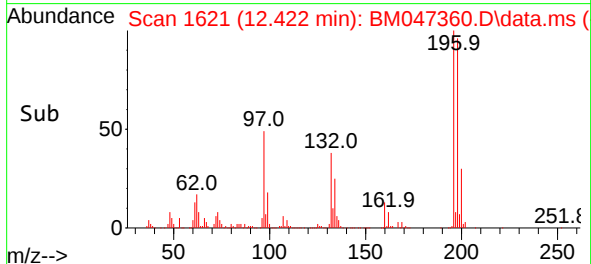
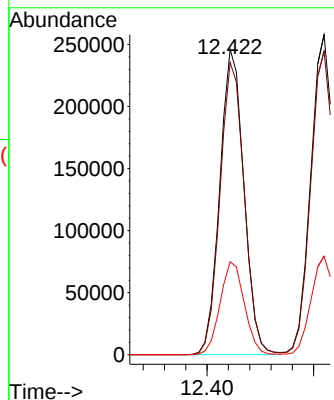
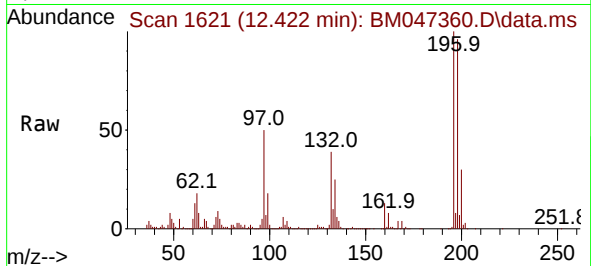




#43
2,4,6-Trichlorophenol
Concen: 21.027 ng
RT: 12.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

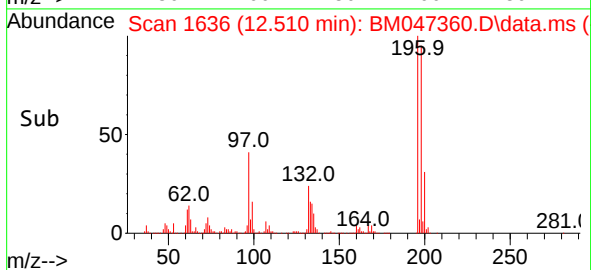
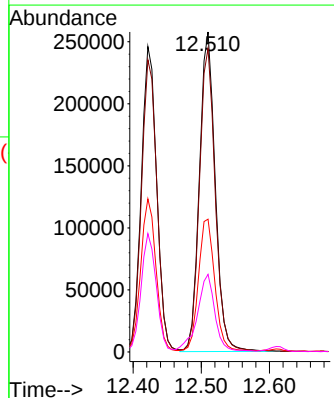
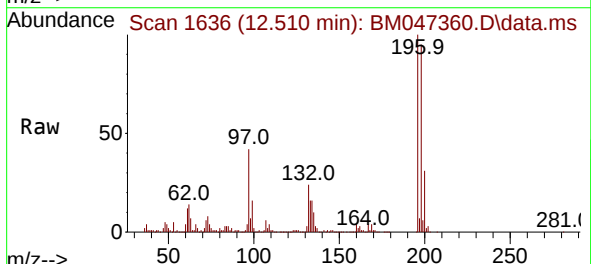
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

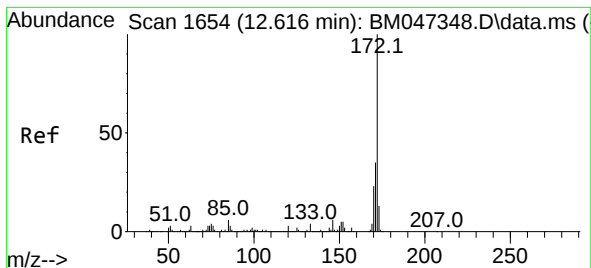
Tgt Ion:196 Resp: 387204
Ion Ratio Lower Upper
196 100
198 95.6 78.2 117.2
200 30.4 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 20.378 ng
RT: 12.510 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:196 Resp: 416745
Ion Ratio Lower Upper
196 100
198 94.9 76.6 115.0
97 41.5 35.9 53.9
132 24.3 19.3 28.9





#45

2-Fluorobiphenyl

Concen: 26.085 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

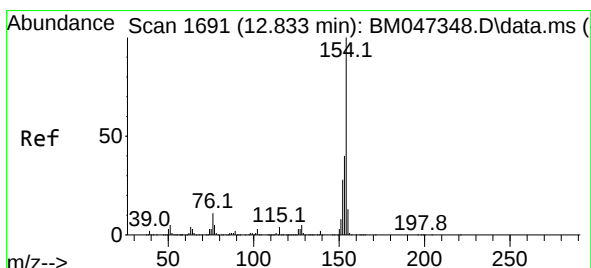
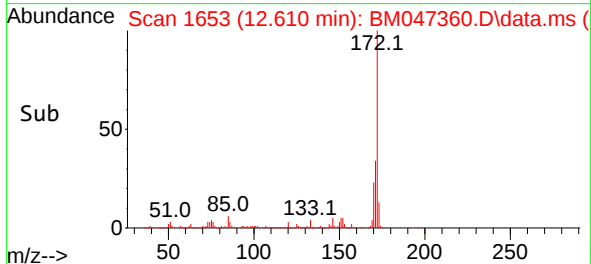
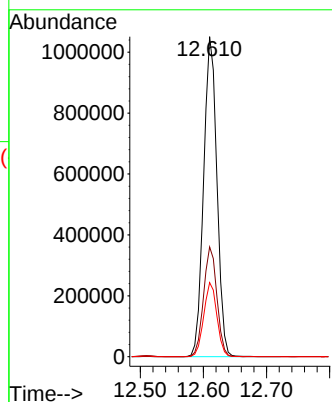
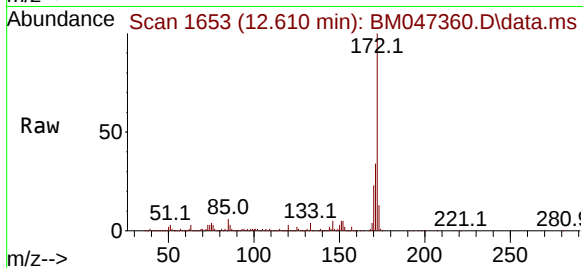
Tgt Ion:172 Resp: 1540012

Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.6

170 23.2 18.5 27.7



#46

1,1'-Biphenyl

Concen: 19.910 ng

RT: 12.827 min Scan# 1690

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

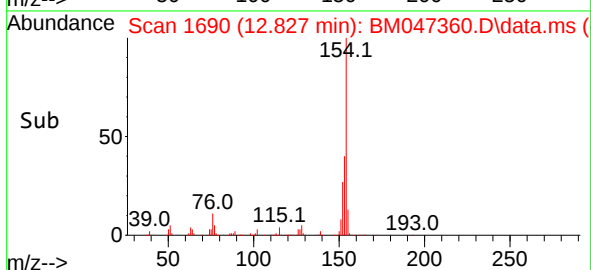
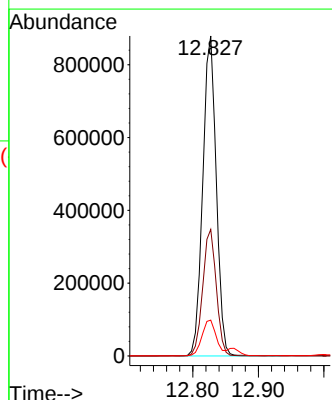
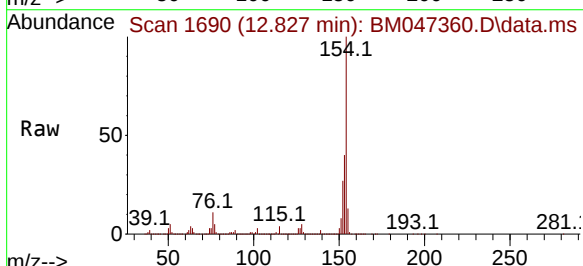
Tgt Ion:154 Resp: 1261136

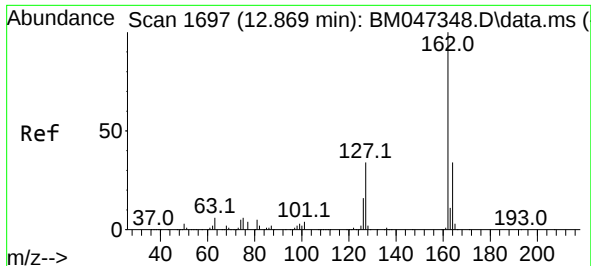
Ion Ratio Lower Upper

154 100

153 39.5 20.1 60.1

76 11.2 0.0 31.2

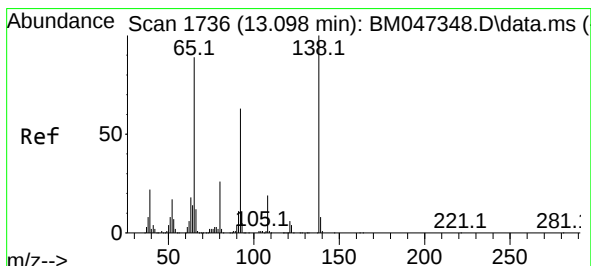
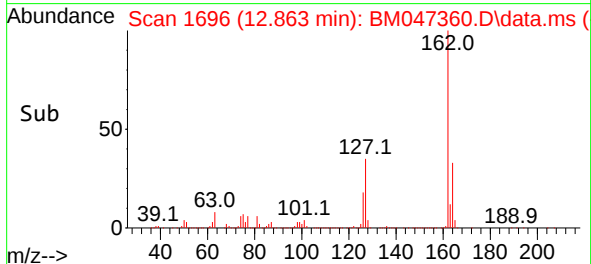
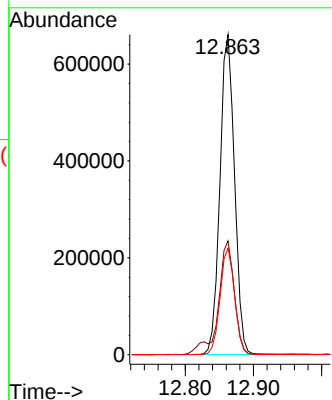
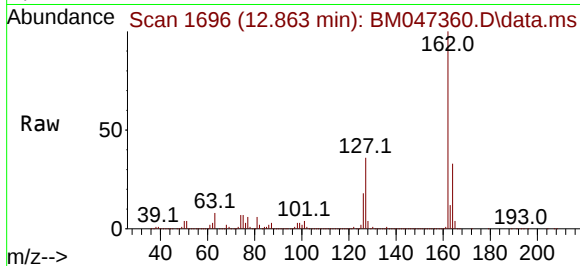




#47
2-Chloronaphthalene
Concen: 19.855 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

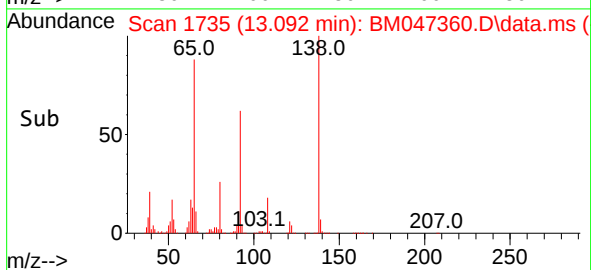
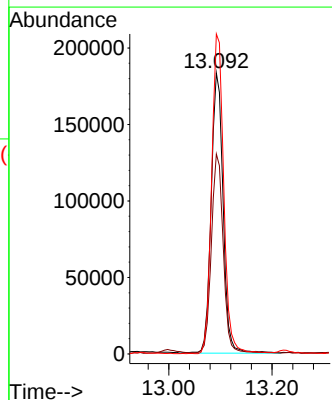
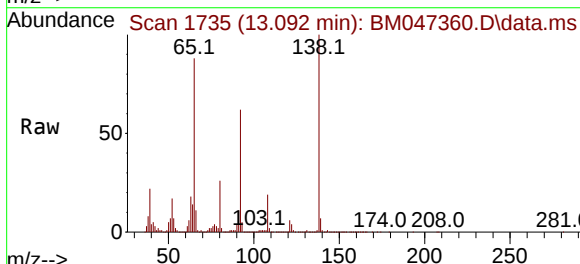
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

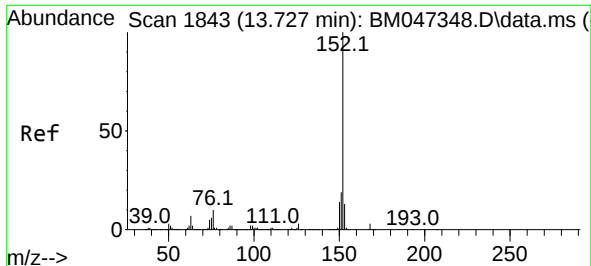
Tgt Ion:162 Resp: 985541
Ion Ratio Lower Upper
162 100
127 35.5 28.3 42.5
164 33.3 27.0 40.4



#48
2-Nitroaniline
Concen: 21.108 ng
RT: 13.092 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion: 65 Resp: 293493
Ion Ratio Lower Upper
65 100
92 71.2 57.0 85.6
138 113.9 90.0 135.0

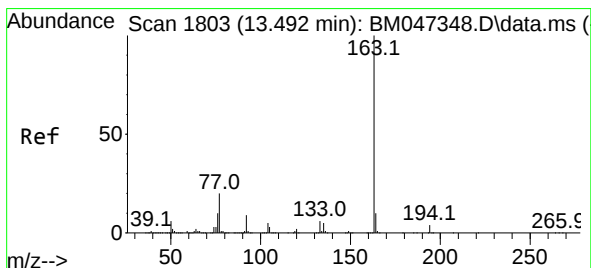
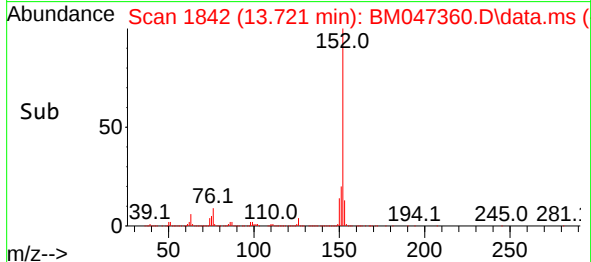
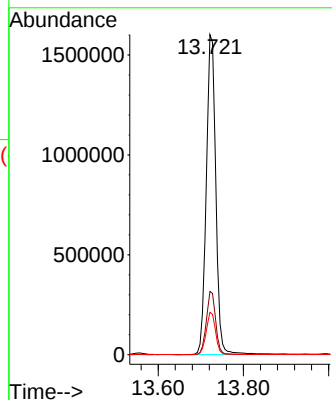
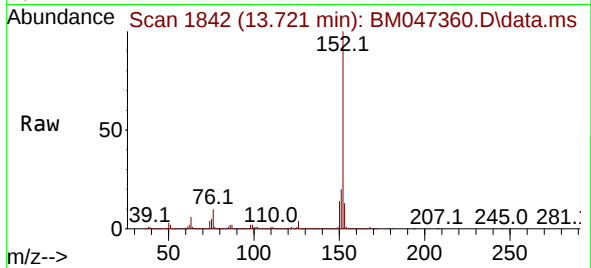




#49
Acenaphthylene
Concen: 34.408 ng
RT: 13.721 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

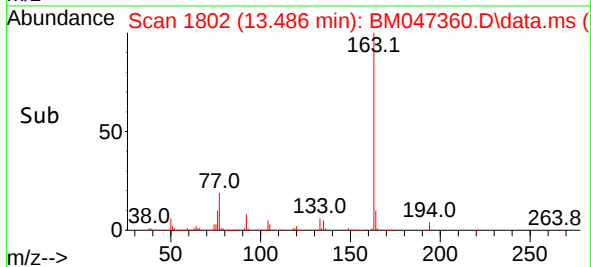
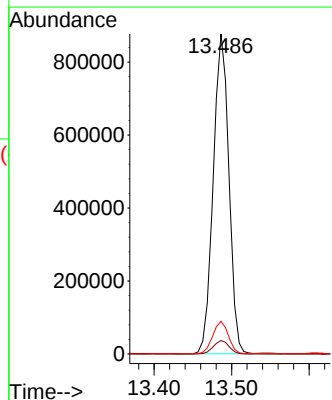
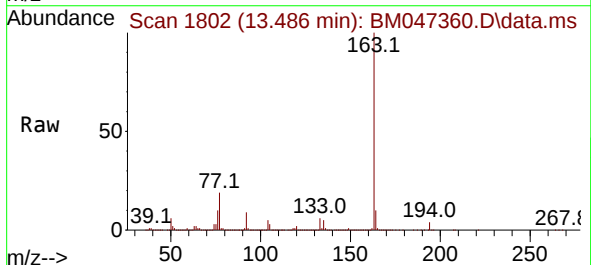
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

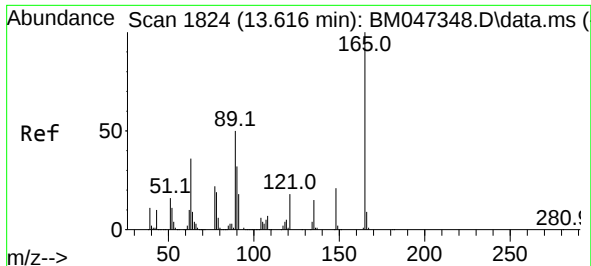
Tgt Ion:152 Resp: 2482232
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 19.669 ng
RT: 13.486 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:163 Resp: 1229393
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.2 12.4

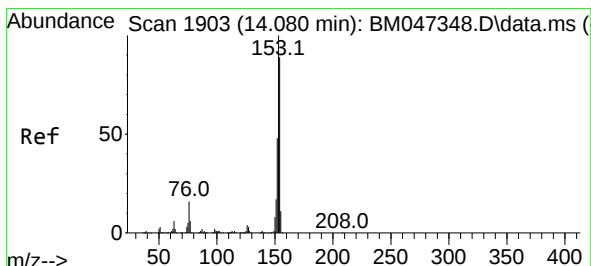
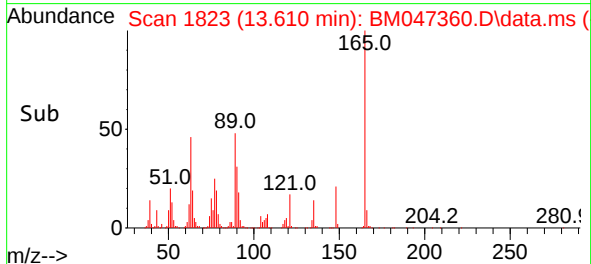
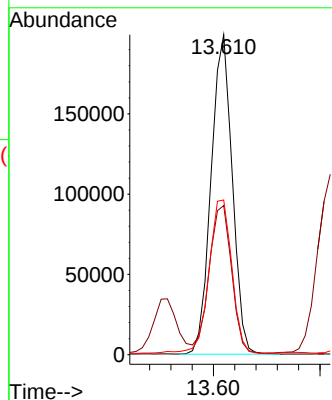
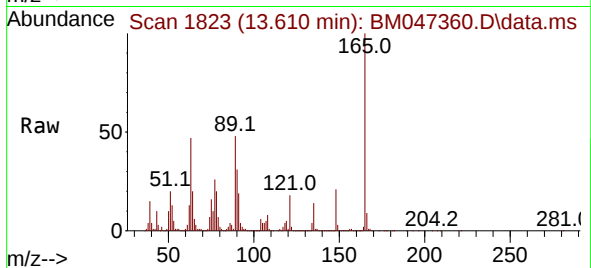




#51
2,6-Dinitrotoluene
Concen: 18.881 ng
RT: 13.610 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

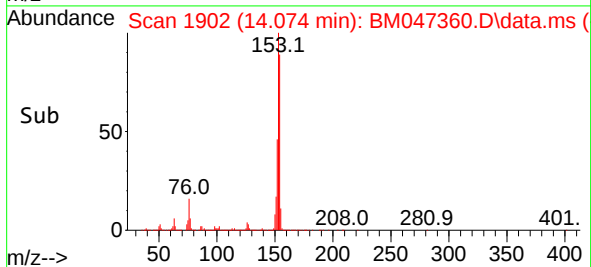
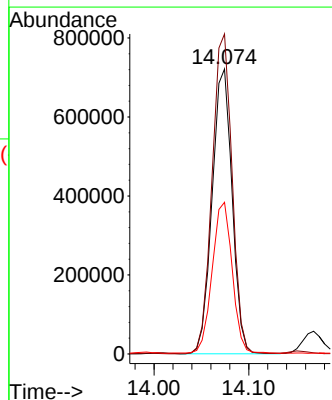
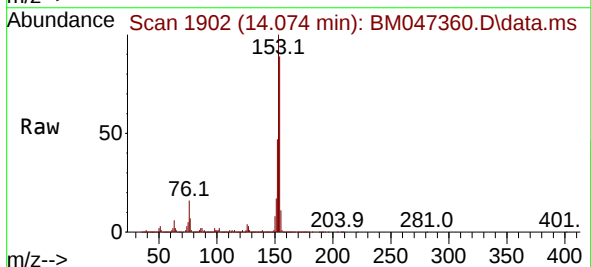
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

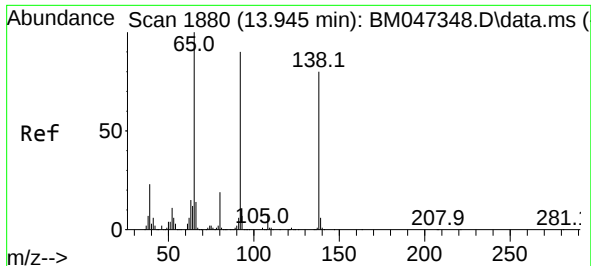
Tgt Ion:165 Resp: 274783
Ion Ratio Lower Upper
165 100
63 46.6 38.2 57.4
89 48.3 40.4 60.6



#52
Acenaphthene
Concen: 23.026 ng
RT: 14.074 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:154 Resp: 1054522
Ion Ratio Lower Upper
154 100
153 112.3 89.5 134.3
152 53.2 43.0 64.4

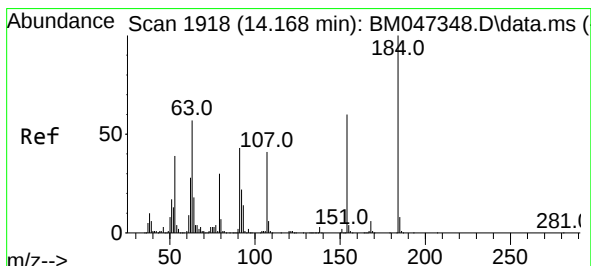
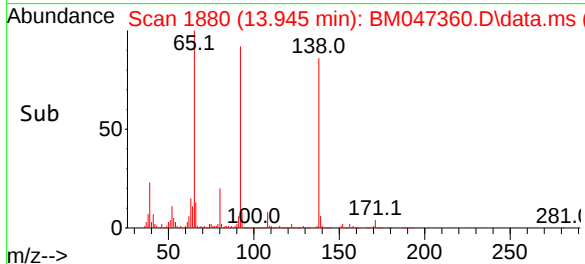
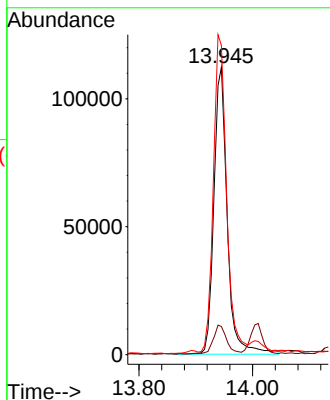
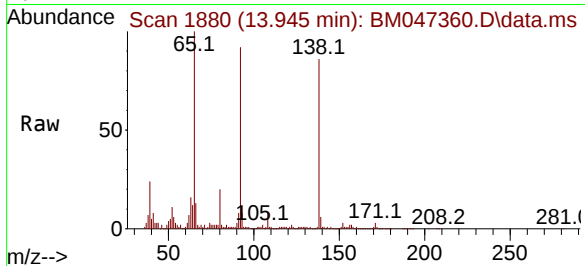




#53
3-Nitroaniline
Concen: 13.547 ng
RT: 13.945 min Scan# 1880
Delta R.T. 0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

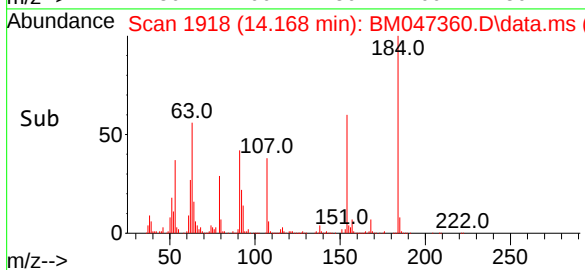
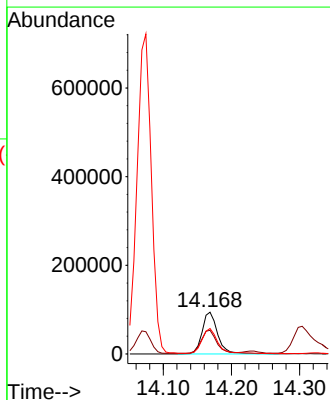
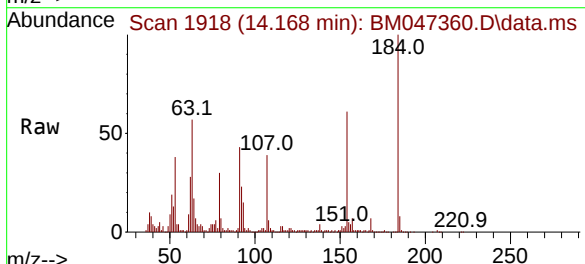
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

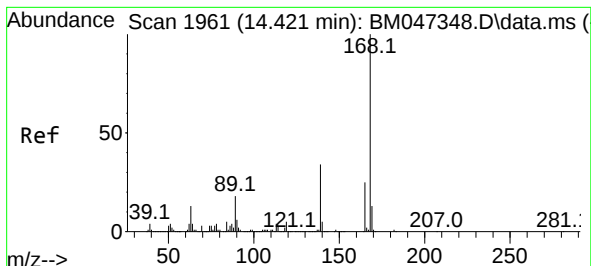
Tgt Ion:138 Resp: 181923
Ion Ratio Lower Upper
138 100
108 9.8 8.0 12.0
92 107.6 90.1 135.1



#54
2,4-Dinitrophenol
Concen: 16.685 ng
RT: 14.168 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:184 Resp: 149538
Ion Ratio Lower Upper
184 100
63 56.7 45.7 68.5
154 61.0 48.5 72.7





#55

Dibenzenofuran

Concen: 22.148 ng

RT: 14.416 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

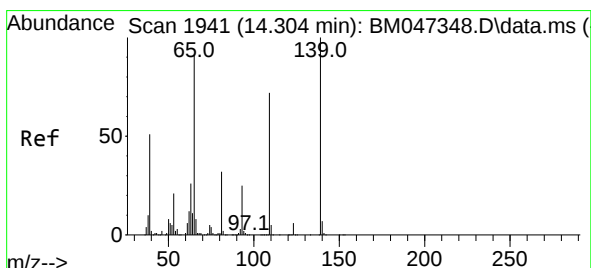
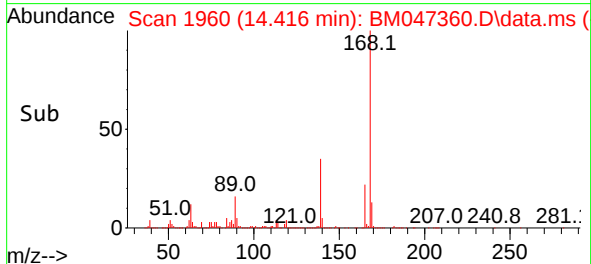
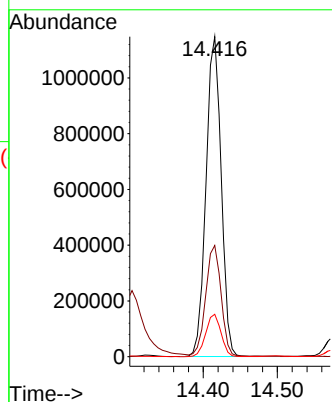
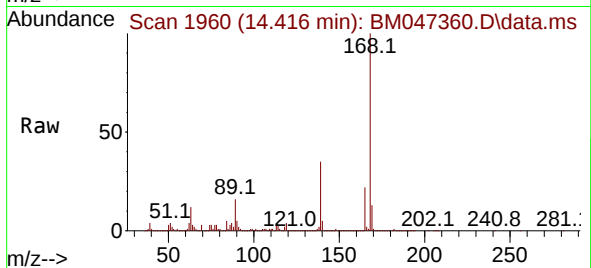
Tgt Ion:168 Resp: 1633750

Ion Ratio Lower Upper

168 100

139 34.8 27.5 41.3

169 13.2 10.5 15.7



#56

4-Nitrophenol

Concen: 44.450 ng

RT: 14.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

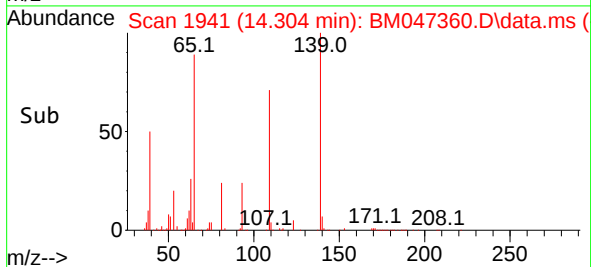
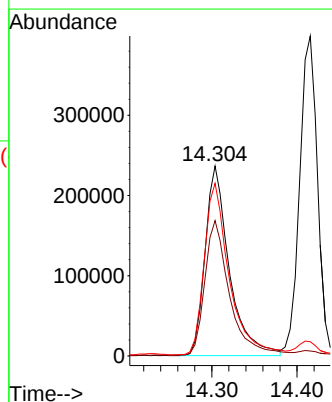
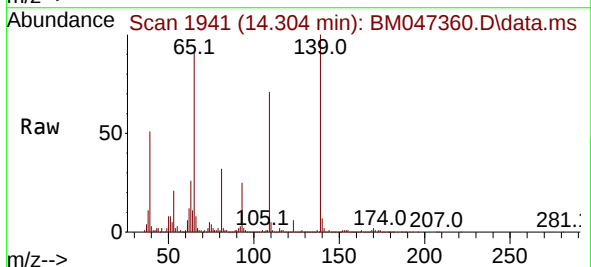
Tgt Ion:139 Resp: 466597

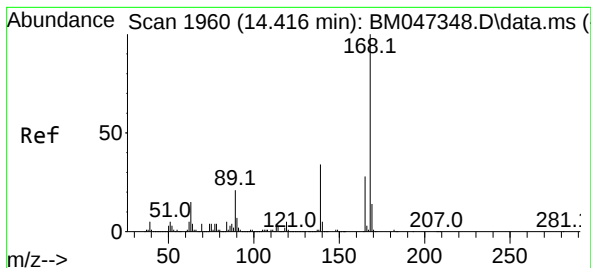
Ion Ratio Lower Upper

139 100

109 71.3 51.6 91.6

65 90.9 71.7 111.7

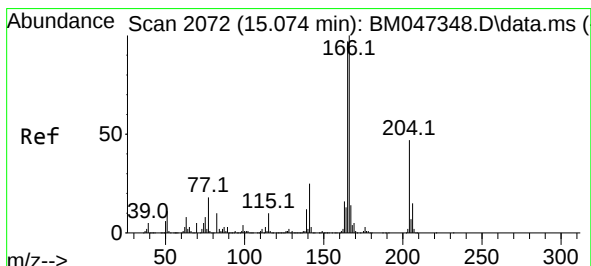
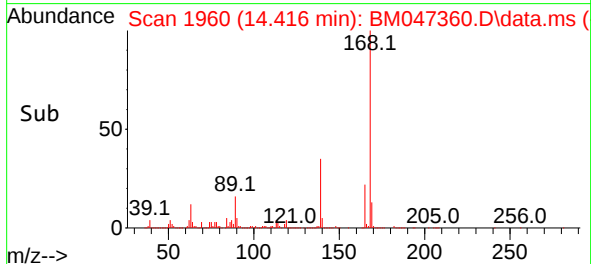
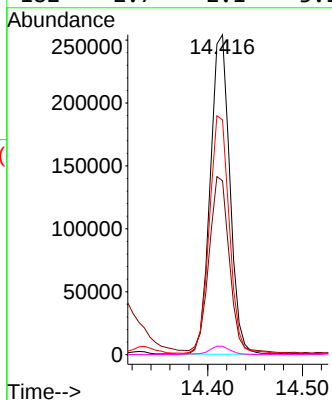
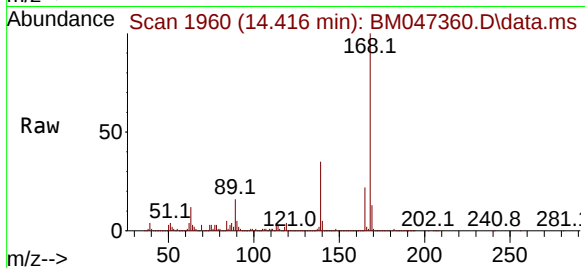




#57
2,4-Dinitrotoluene
Concen: 19.312 ng
RT: 14.416 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

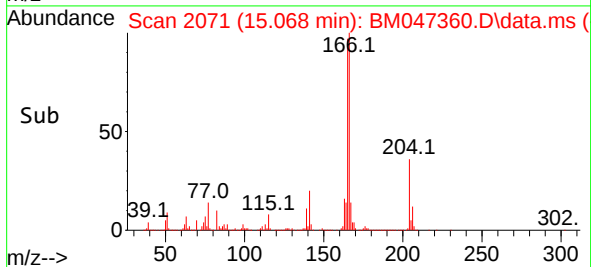
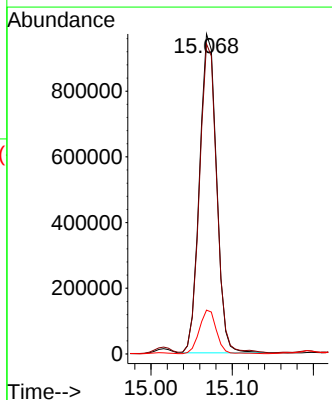
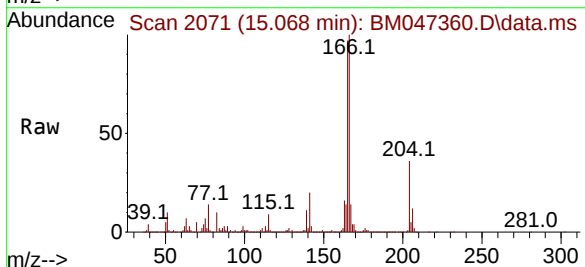
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

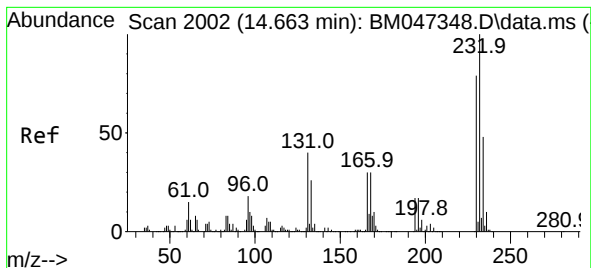
Tgt Ion:	165	Resp:	363817
Ion	Ratio	Lower	Upper
165	100		
63	54.4	42.2	63.4
89	73.4	59.3	88.9
182	2.7	2.1	3.1



#58
Fluorene
Concen: 23.740 ng
RT: 15.068 min Scan# 2071
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:	166	Resp:	1417314
Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.8	116.6
167	13.7	11.1	16.7

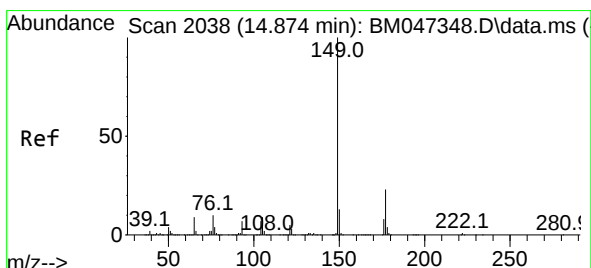
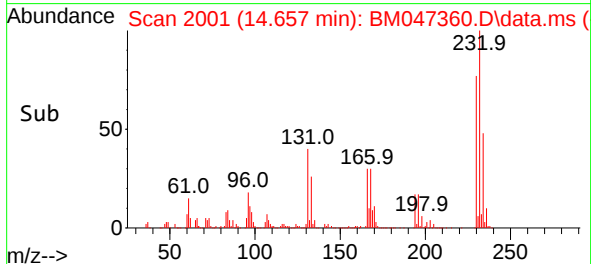
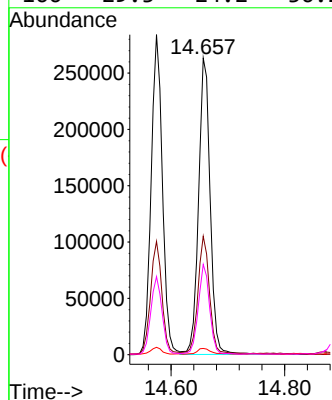
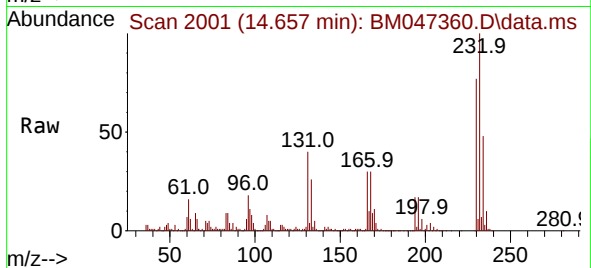




#59
2,3,4,6-Tetrachlorophenol
Concen: 22.318 ng
RT: 14.657 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

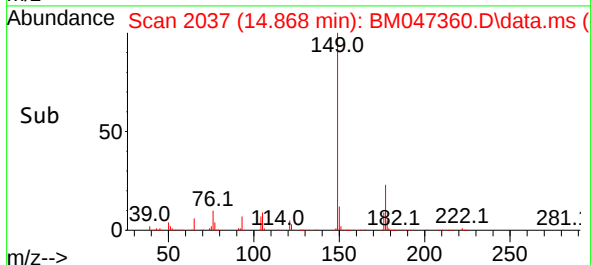
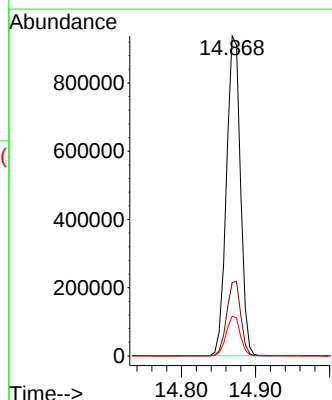
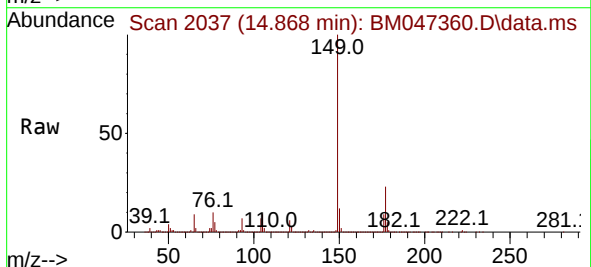
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

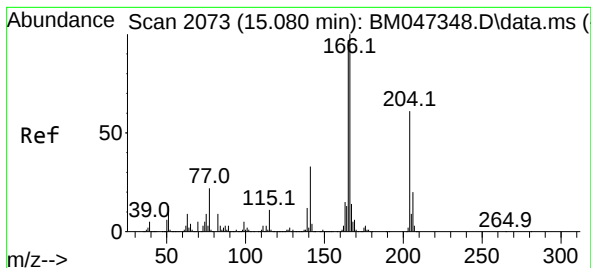
Tgt Ion:232 Resp: 374888
Ion Ratio Lower Upper
232 100
131 39.2 31.7 47.5
130 2.3 1.7 2.5
166 29.3 24.2 36.2



#60
Diethylphthalate
Concen: 19.932 ng
RT: 14.868 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:149 Resp: 1228931
Ion Ratio Lower Upper
149 100
177 22.9 18.6 28.0
150 12.5 10.2 15.4

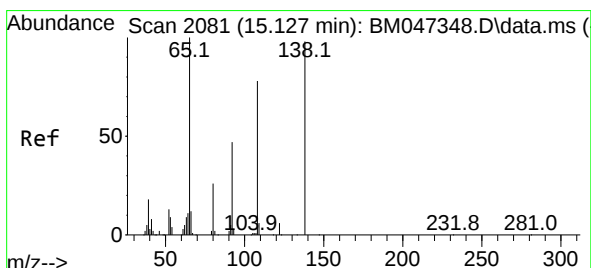
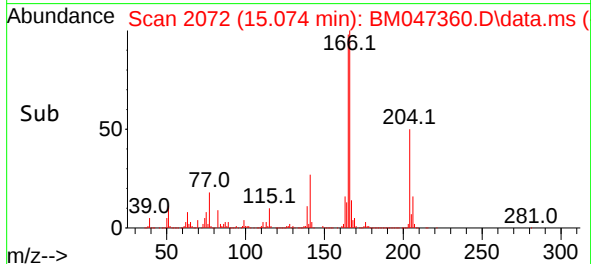
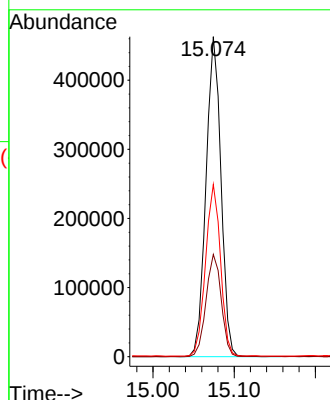
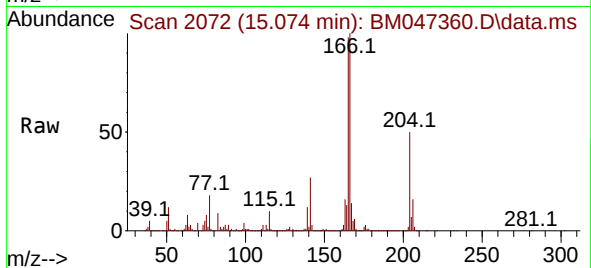




#61
4-Chlorophenyl-phenylether
Concen: 19.476 ng
RT: 15.074 min Scan# 2073
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

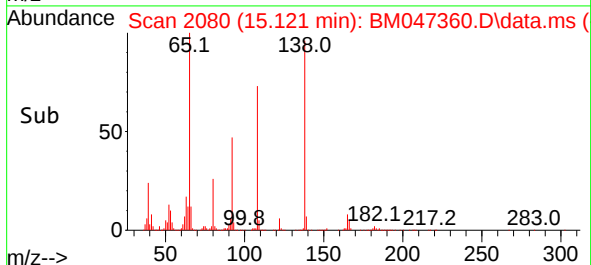
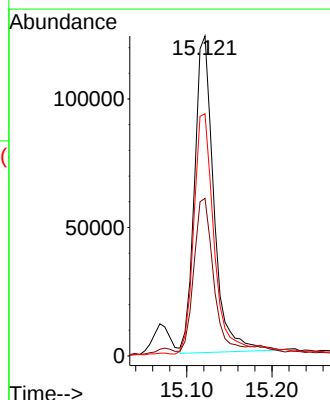
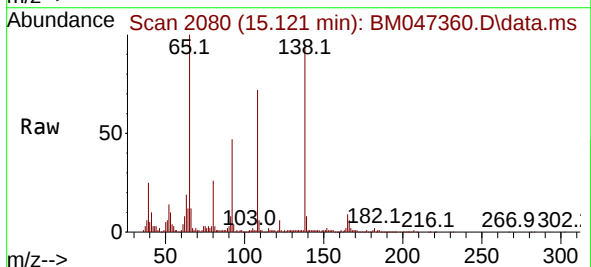
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

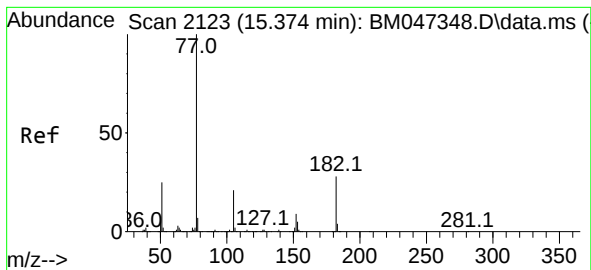
Tgt Ion:204 Resp: 591474
Ion Ratio Lower Upper
204 100
206 31.9 26.5 39.7
141 53.8 42.8 64.2



#62
4-Nitroaniline
Concen: 15.630 ng
RT: 15.121 min Scan# 2080
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:138 Resp: 194168
Ion Ratio Lower Upper
138 100
92 49.3 27.9 67.9
108 75.7 58.7 98.7





#63

Azobenzene

Concen: 20.056 ng

RT: 15.368 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion: 77 Resp: 1076826

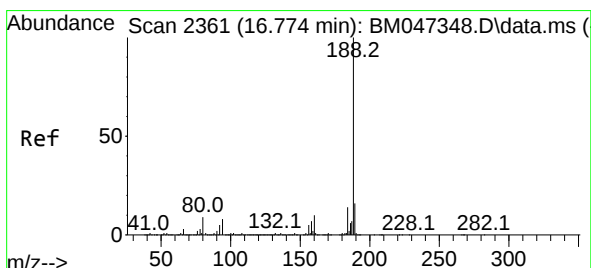
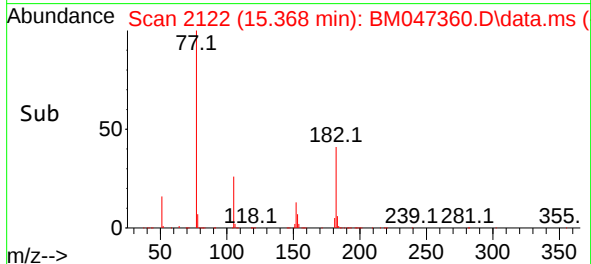
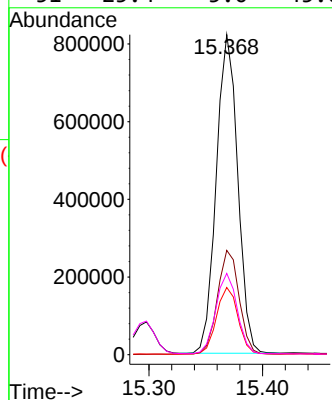
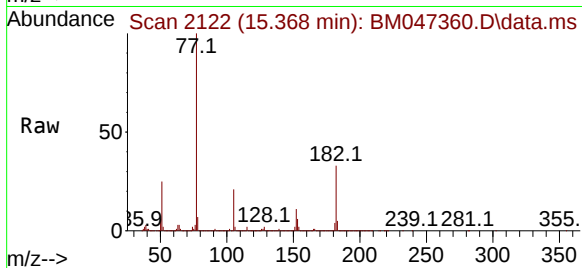
Ion Ratio Lower Upper

77 100

182 32.6 7.9 47.9

105 21.0 0.6 40.6

51 25.4 5.0 45.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

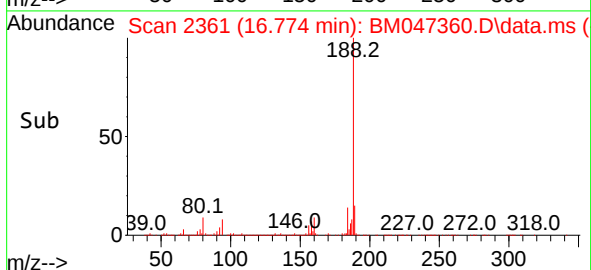
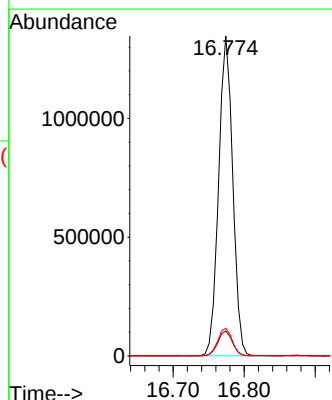
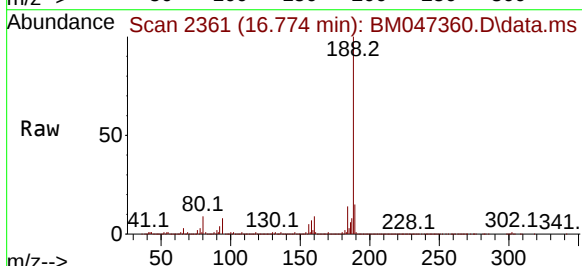
Tgt Ion:188 Resp: 1848980

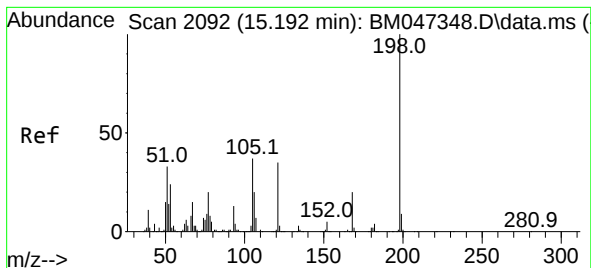
Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.7 7.4 11.2

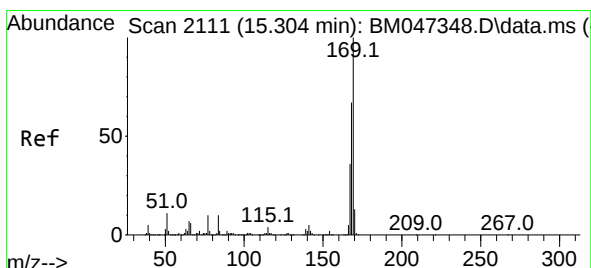
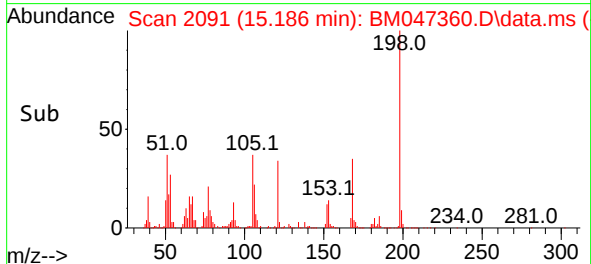
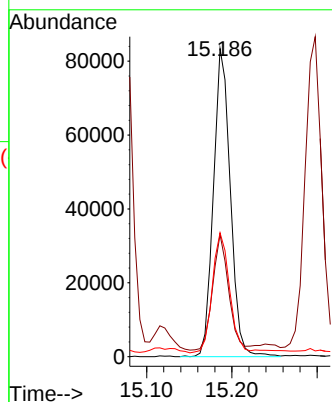
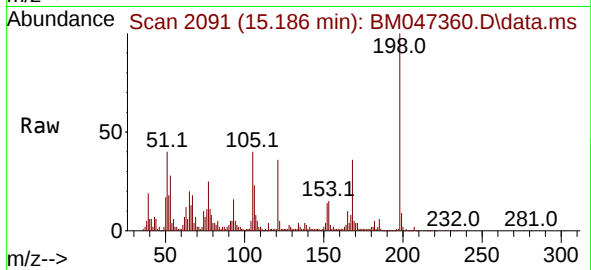




#65
4,6-Dinitro-2-methylphenol
Concen: 10.190 ng
RT: 15.186 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

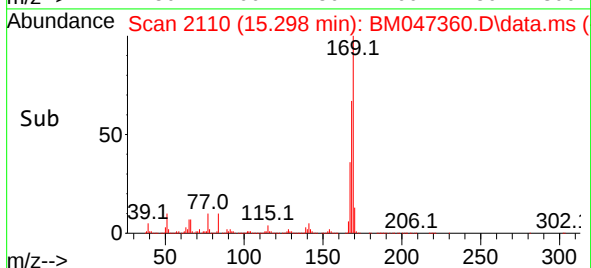
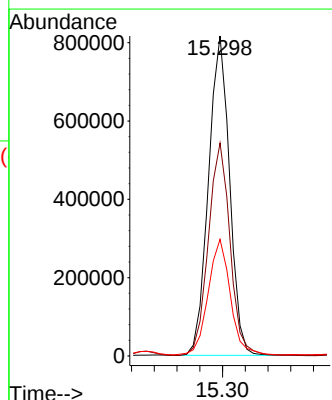
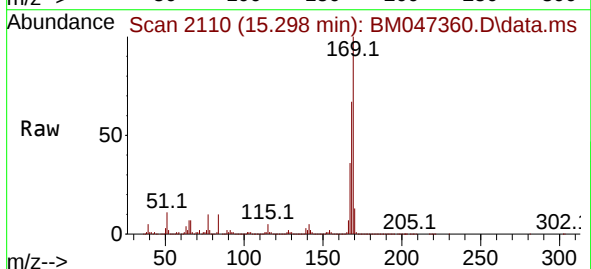
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

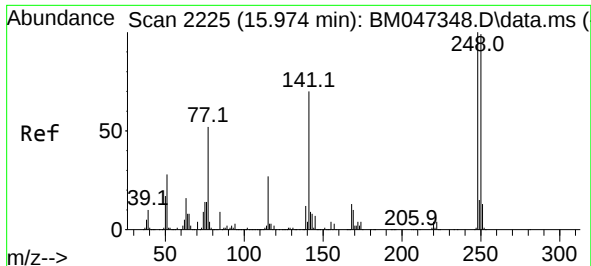
Tgt Ion:198 Resp: 115637
Ion Ratio Lower Upper
198 100
51 39.7 14.1 54.1
105 40.2 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 20.767 ng
RT: 15.298 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:169 Resp: 1050680
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.0
167 36.4 29.0 43.4

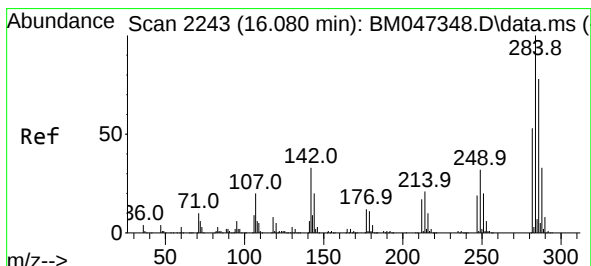
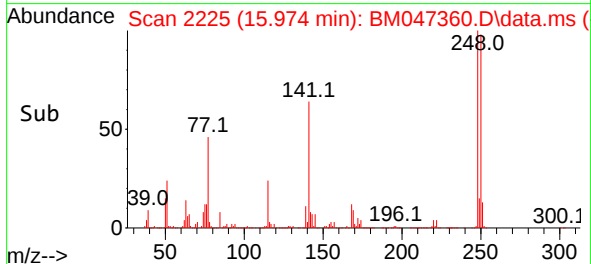
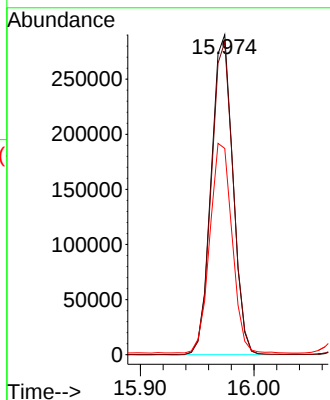
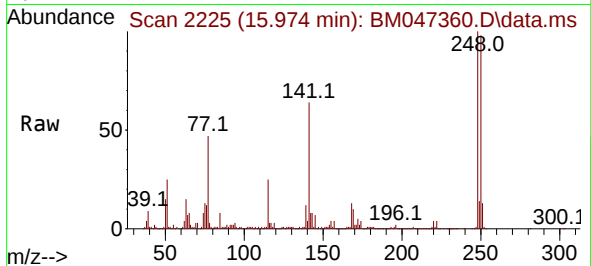




#67
4-Bromophenyl-phenylether
Concen: 19.797 ng
RT: 15.974 min Scan# 211
Delta R.T. 0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

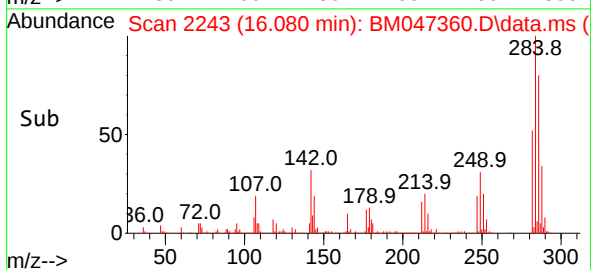
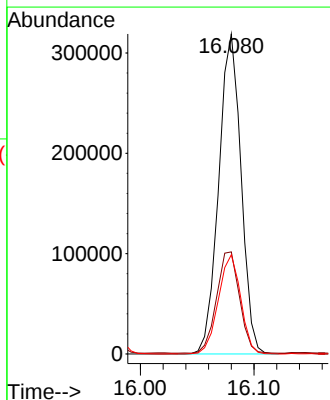
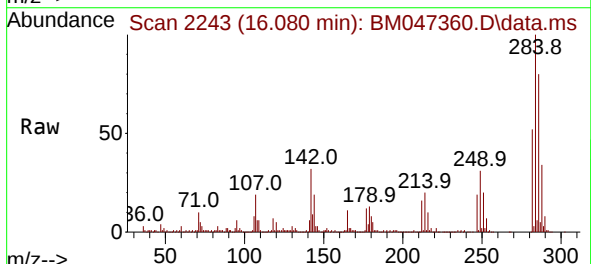
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

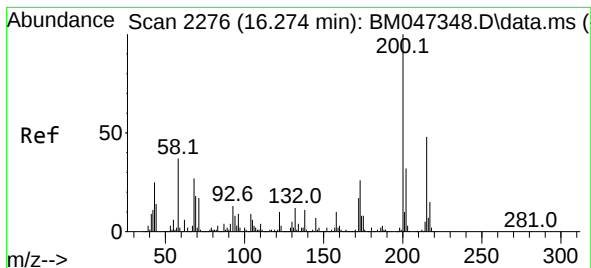
Tgt Ion:248 Resp: 386169
Ion Ratio Lower Upper
248 100
250 97.7 78.8 118.2
141 64.4 55.9 83.9



#68
Hexachlorobenzene
Concen: 19.335 ng
RT: 16.080 min Scan# 2243
Delta R.T. 0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:284 Resp: 435611
Ion Ratio Lower Upper
284 100
142 31.9 26.5 39.7
249 31.0 25.5 38.3





#69

Atrazine

Concen: 21.828 ng

RT: 16.274 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

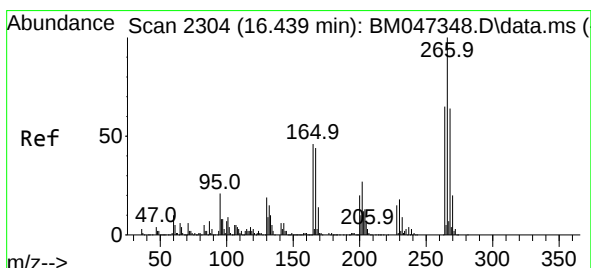
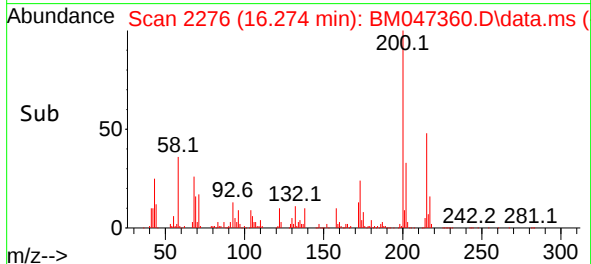
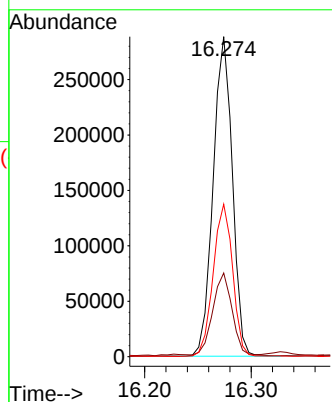
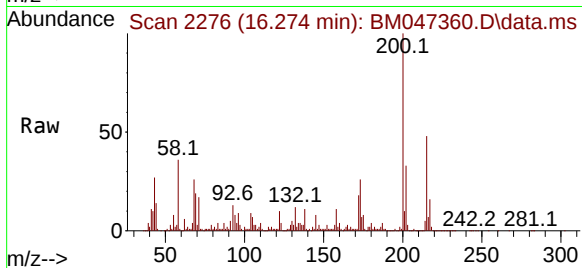
Tgt Ion:200 Resp: 360970

Ion Ratio Lower Upper

200 100

173 26.1 5.8 45.8

215 47.6 28.3 68.3



#70

Pentachlorophenol

Concen: 47.028 ng

RT: 16.439 min Scan# 2304

Delta R.T. 0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

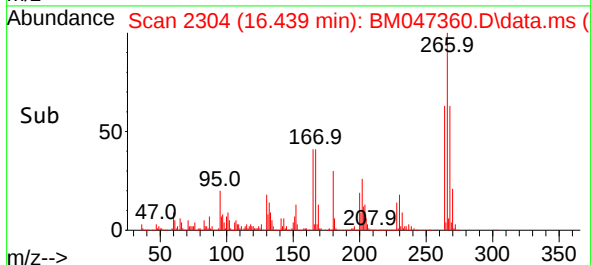
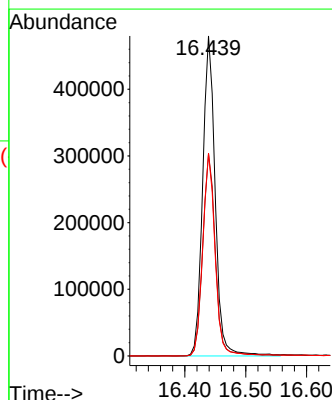
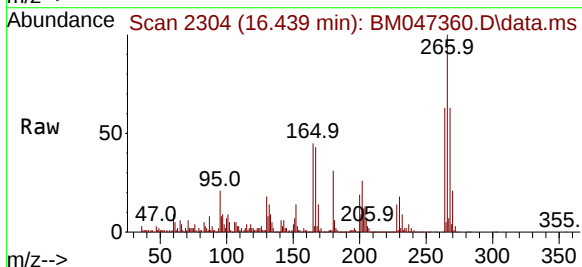
Tgt Ion:266 Resp: 684993

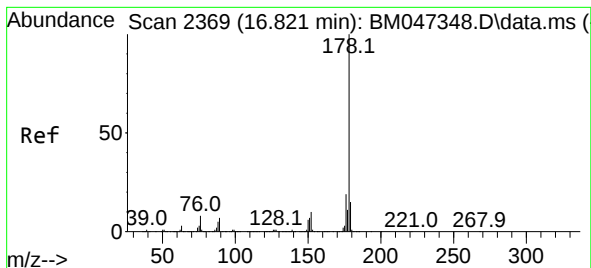
Ion Ratio Lower Upper

266 100

268 63.3 51.0 76.6

264 63.4 51.9 77.9





#71

Phenanthrene

Concen: 46.990 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

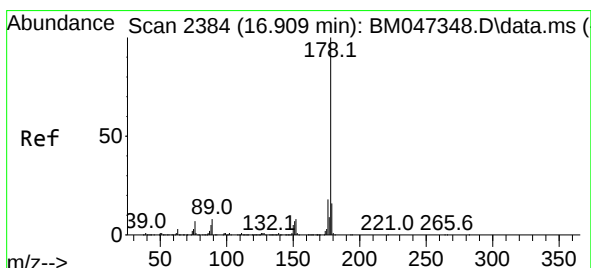
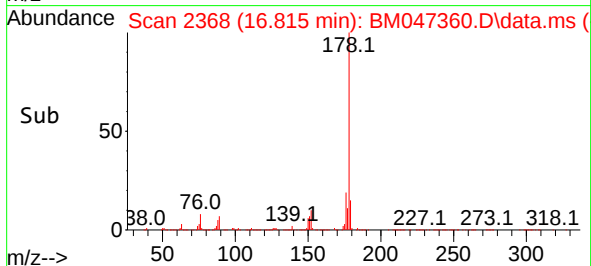
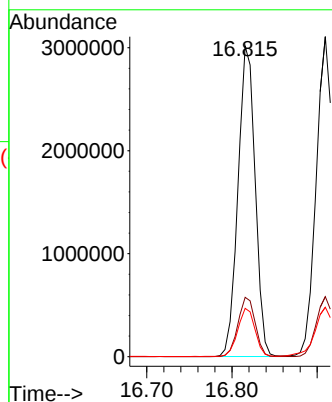
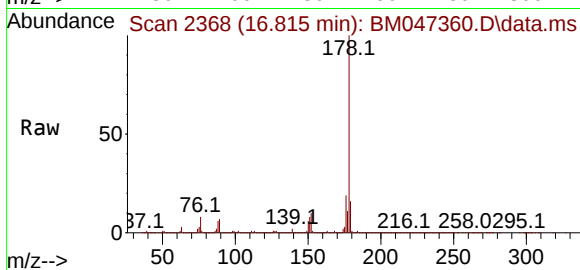
Tgt Ion:178 Resp: 4219442

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.5 12.2 18.4



#72

Anthracene

Concen: 48.678 ng

RT: 16.909 min Scan# 2384

Delta R.T. 0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

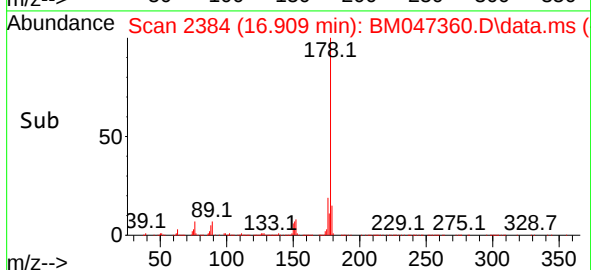
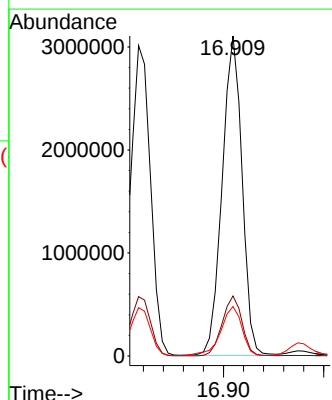
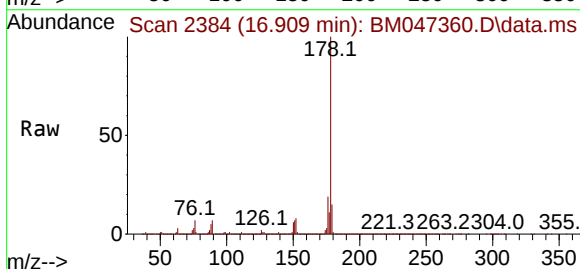
Tgt Ion:178 Resp: 4261042

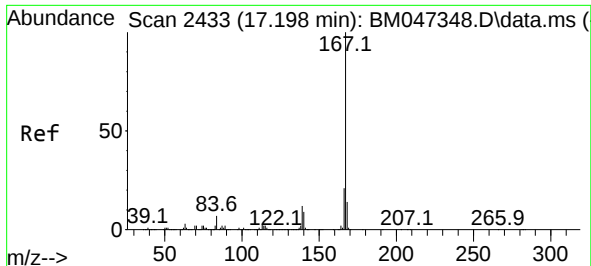
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.4 12.6 18.8

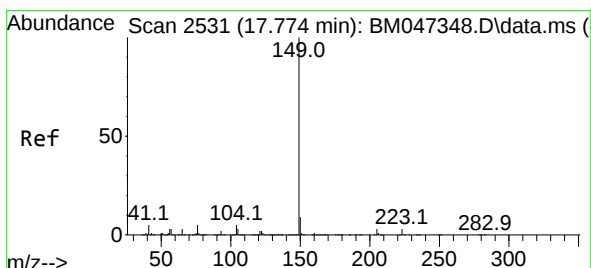
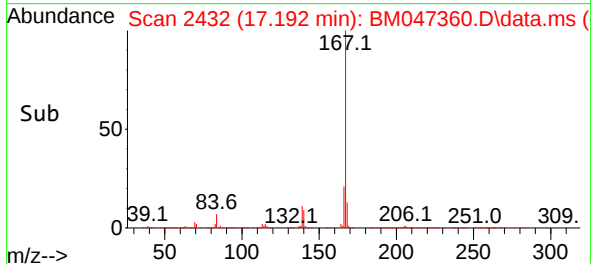
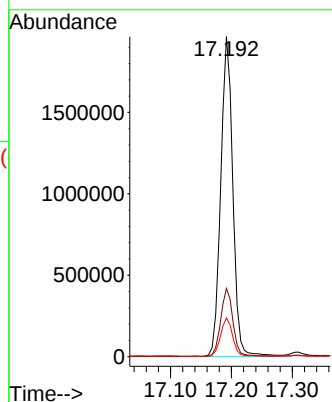
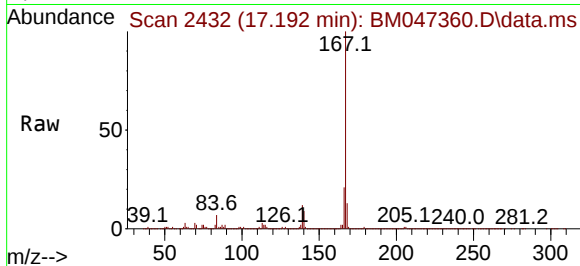




#73
Carbazole
Concen: 32.161 ng
RT: 17.192 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

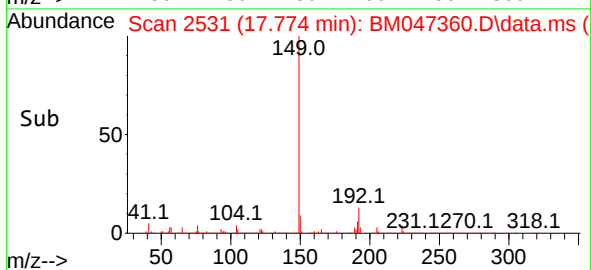
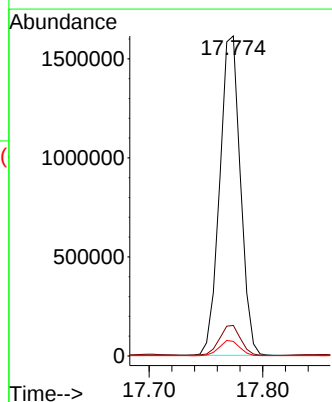
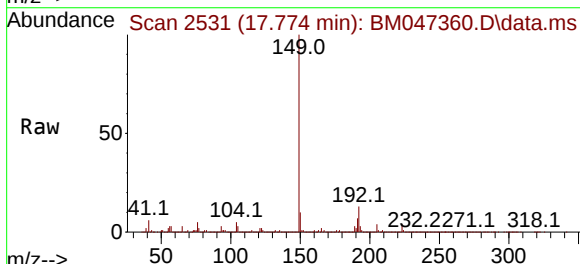
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

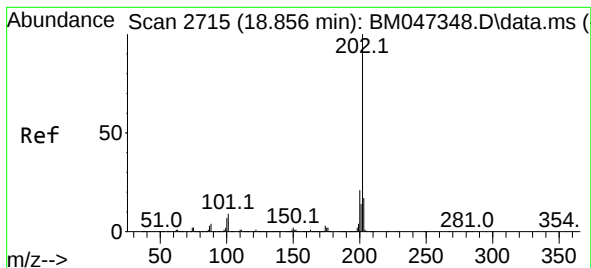
Tgt Ion:167 Resp: 2701535
Ion Ratio Lower Upper
167 100
166 21.3 16.9 25.3
139 12.1 9.5 14.3



#74
Di-n-butylphthalate
Concen: 20.005 ng
RT: 17.774 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:149 Resp: 2046259
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.0
104 4.6 3.8 5.6





#75

Fluoranthene

Concen: 102.698 ng

RT: 18.862 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

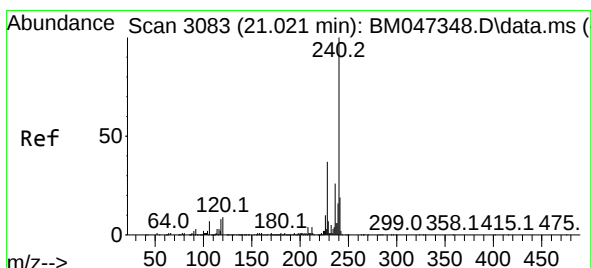
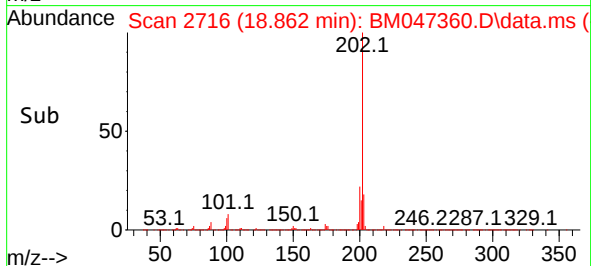
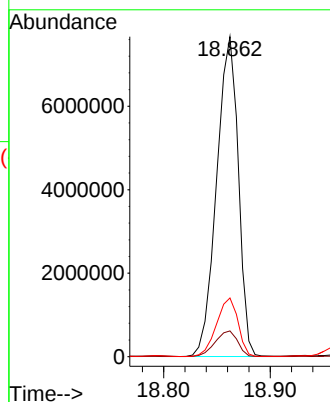
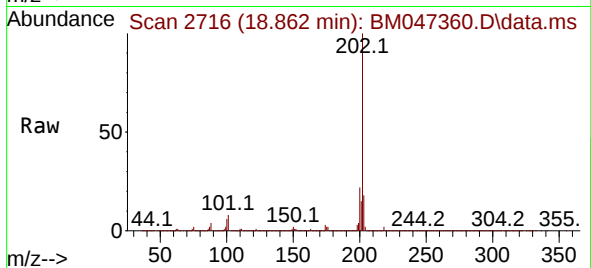
Tgt Ion:202 Resp:10827979

Ion Ratio Lower Upper

202 100

101 8.0 0.0 29.0

203 18.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3084

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

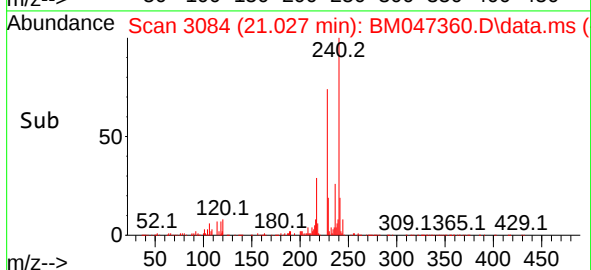
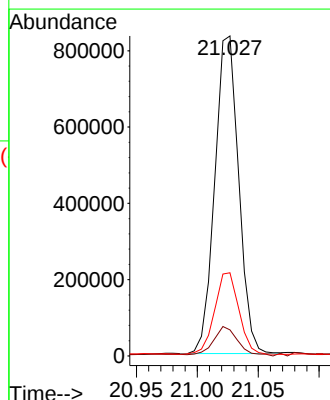
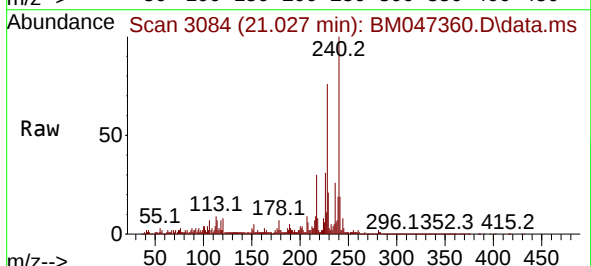
Tgt Ion:240 Resp: 1136006

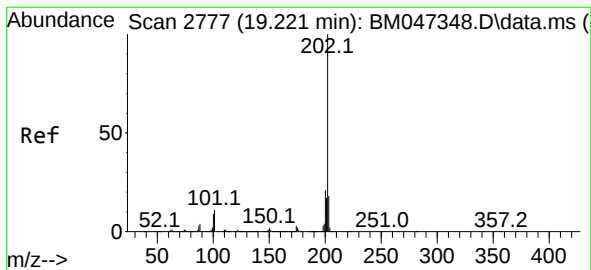
Ion Ratio Lower Upper

240 100

120 8.2 7.4 11.0

236 26.0 20.8 31.2





#78

Pyrene

Concen: 136.627 ng

RT: 19.233 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

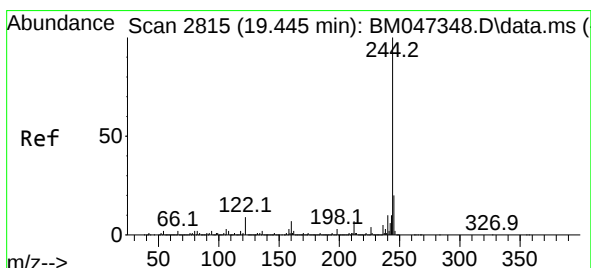
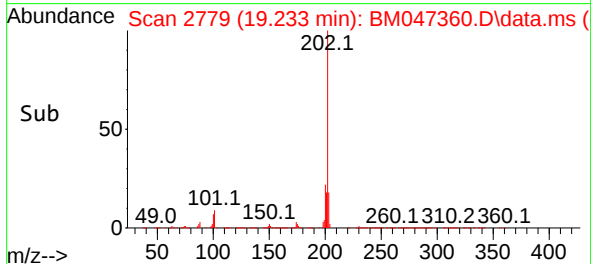
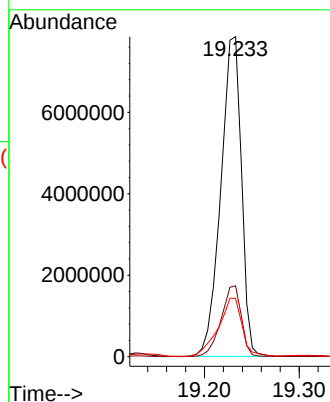
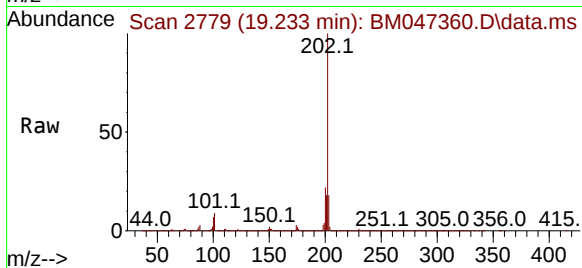
BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion:202 Resp:11904106

Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.7	25.1
203	18.3	14.2	21.4



#79

Terphenyl-d14

Concen: 29.357 ng

RT: 19.445 min Scan# 2815

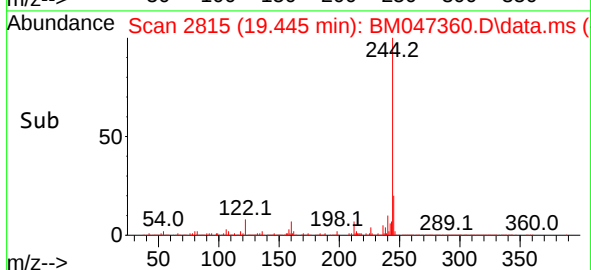
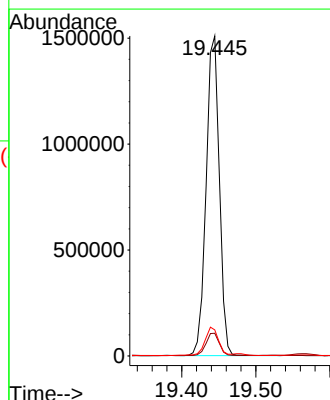
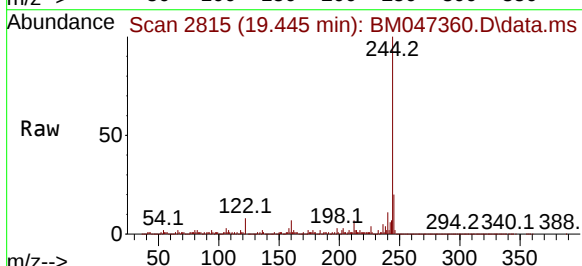
Delta R.T. -0.000 min

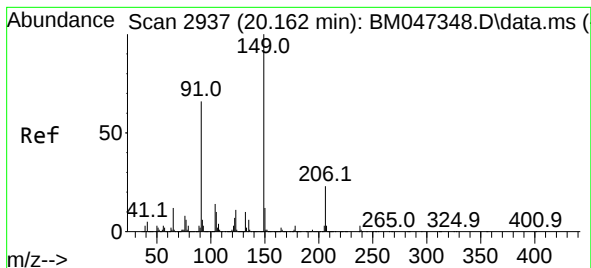
Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Tgt Ion:244 Resp: 1873613

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	8.2	7.0	10.4





#80

Butylbenzylphthalate

Concen: 23.301 ng

RT: 20.162 min Scan# 2937

Delta R.T. -0.000 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

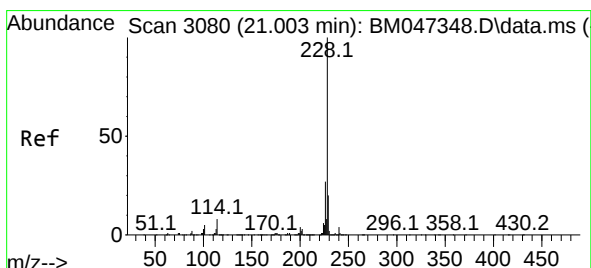
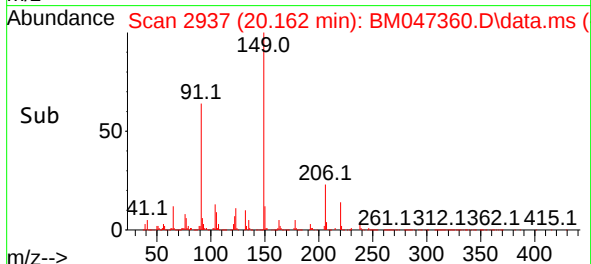
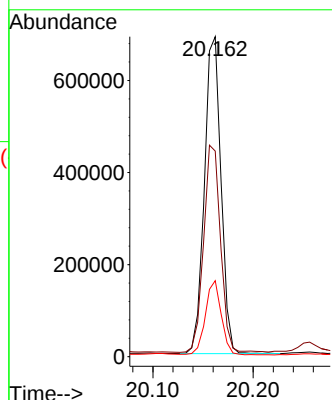
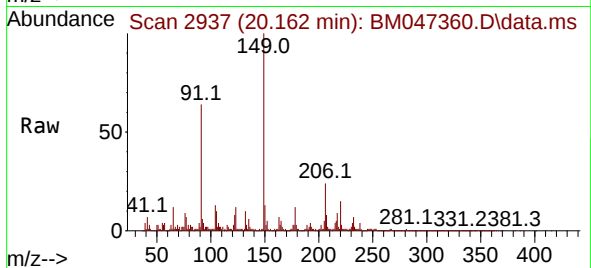
Tgt Ion:149 Resp: 794471

Ion Ratio Lower Upper

149 100

91 64.2 52.6 79.0

206 23.7 18.2 27.2



#81

Benzo(a)anthracene

Concen: 71.064 ng

RT: 21.009 min Scan# 3081

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

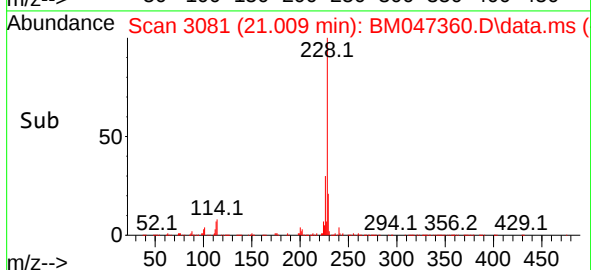
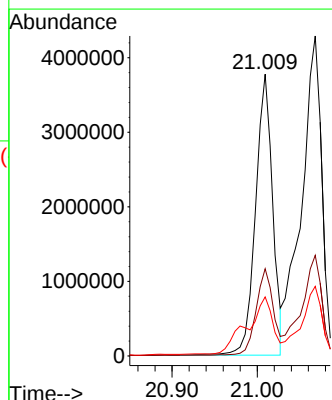
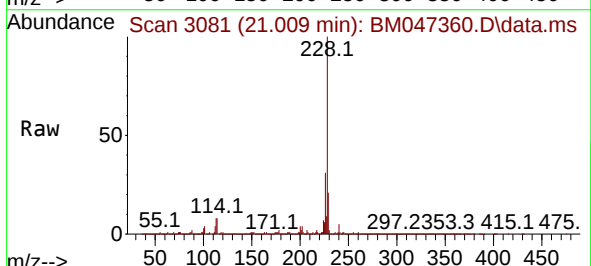
Tgt Ion:228 Resp: 5264591

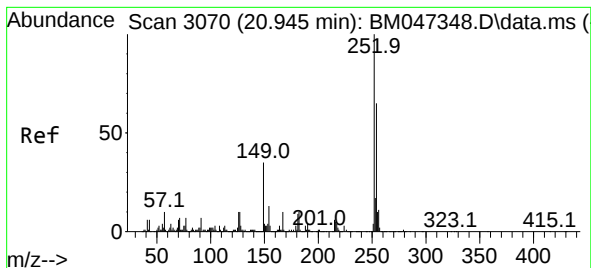
Ion Ratio Lower Upper

228 100

226 31.0 21.4 32.0

229 21.0 15.8 23.8





#82

3,3'-Dichlorobenzidine

Concen: 3.394 ng

RT: 20.950 min Scan# 3070

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

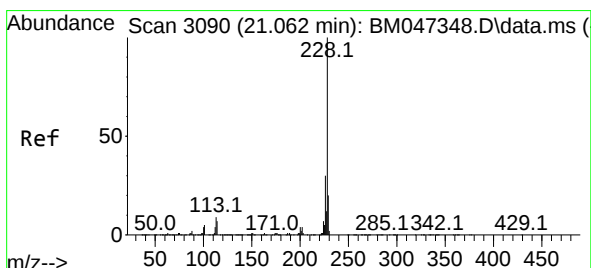
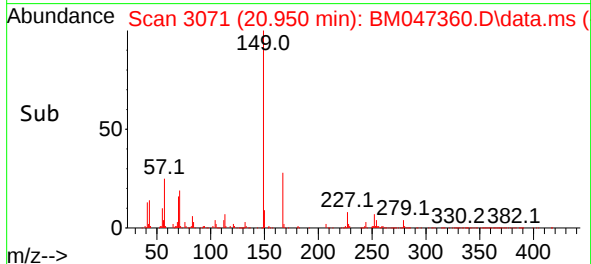
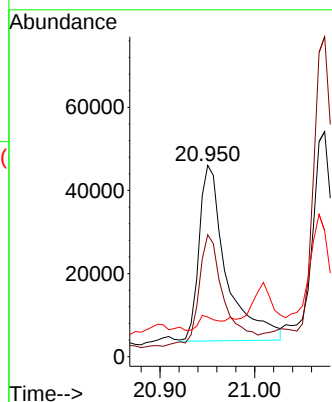
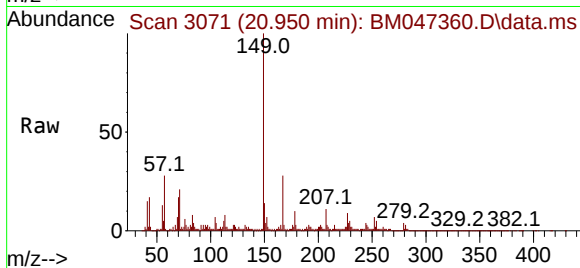
Tgt Ion:252 Resp: 84581

Ion Ratio Lower Upper

252 100

254 63.7 52.1 78.1

126 20.7 7.9 11.9#



#83

Chrysene

Concen: 102.058 ng

RT: 21.068 min Scan# 3091

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

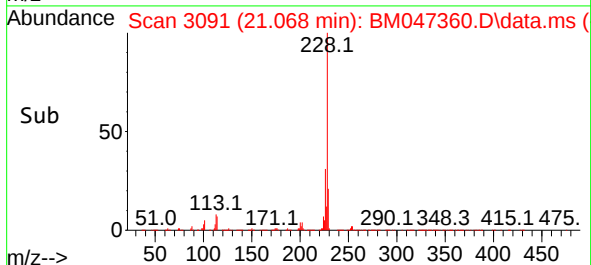
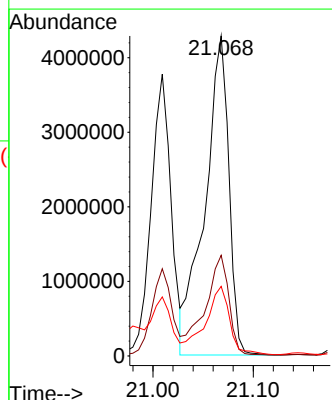
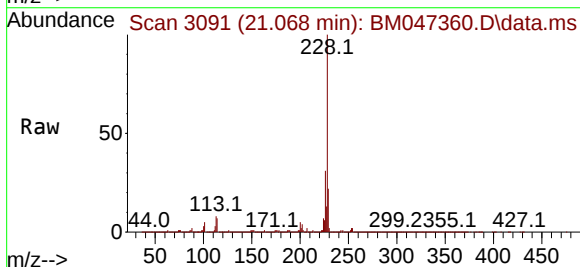
Tgt Ion:228 Resp: 7112119

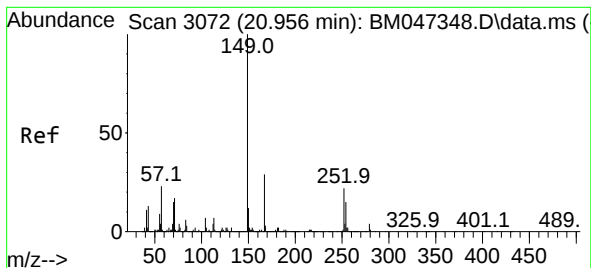
Ion Ratio Lower Upper

228 100

226 31.4 24.0 36.0

229 21.7 15.9 23.9

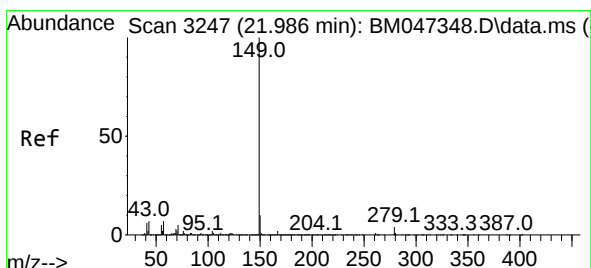
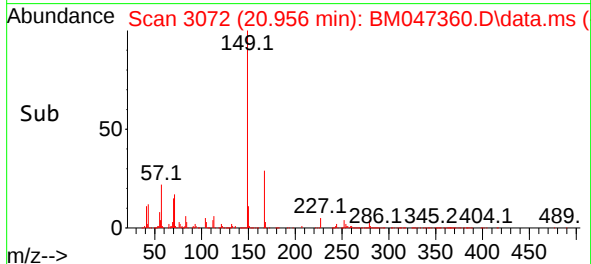
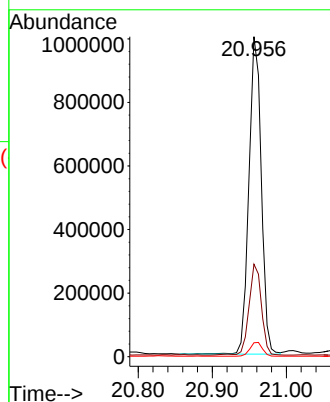
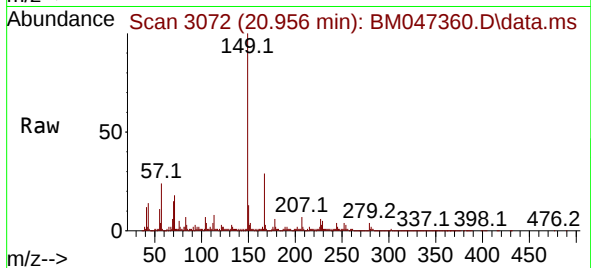




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 23.954 ng
 RT: 20.956 min Scan# 3072
 Delta R.T. -0.000 min
 Lab File: BM047360.D
 Acq: 27 Aug 2024 12:37

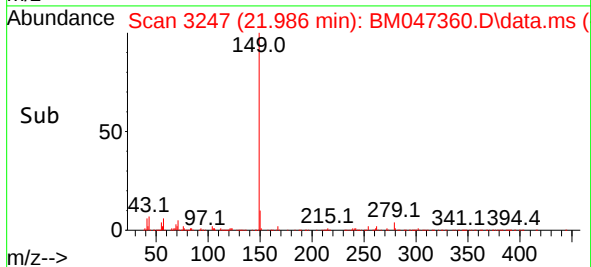
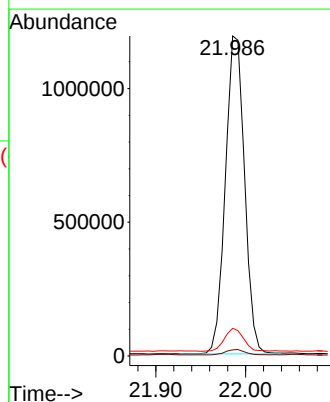
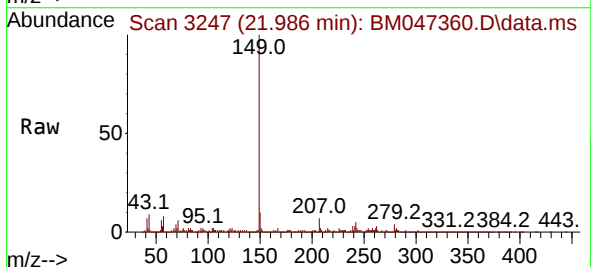
Instrument :
 BNA_M
 ClientSampleId :
 MOO-SOIL-PILEMS

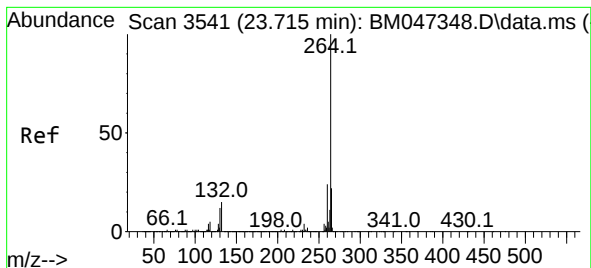
Tgt Ion:149 Resp: 1154332
 Ion Ratio Lower Upper
 149 100
 167 28.9 23.1 34.7
 279 4.3 3.3 4.9



#85
 Di-n-octyl phthalate
 Concen: 21.728 ng
 RT: 21.986 min Scan# 3247
 Delta R.T. 0.000 min
 Lab File: BM047360.D
 Acq: 27 Aug 2024 12:37

Tgt Ion:149 Resp: 1762298
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.3 1.9
 43 7.2 6.1 9.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

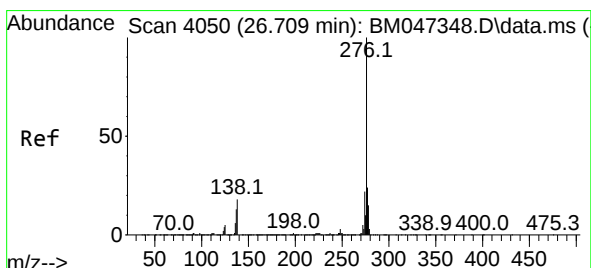
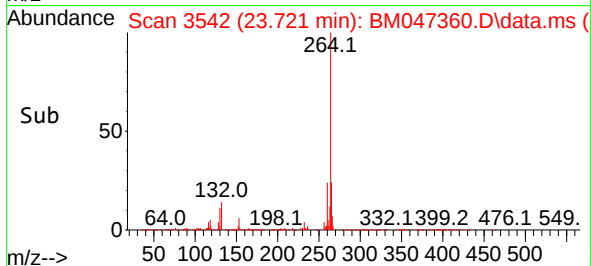
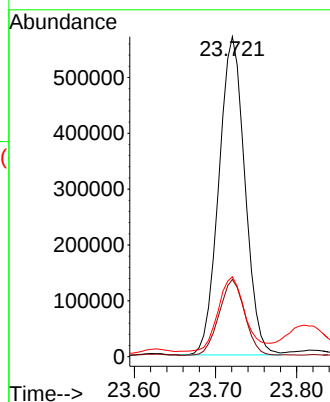
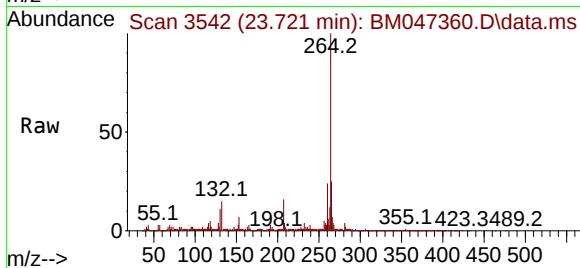
Tgt Ion:264 Resp: 1271279

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 25.0 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 50.014 ng

RT: 26.726 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

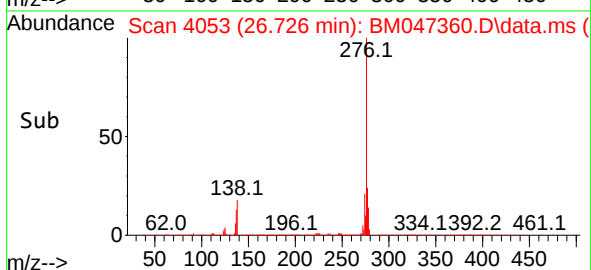
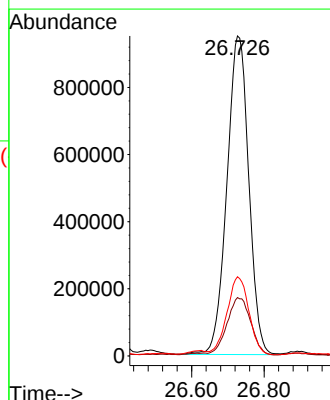
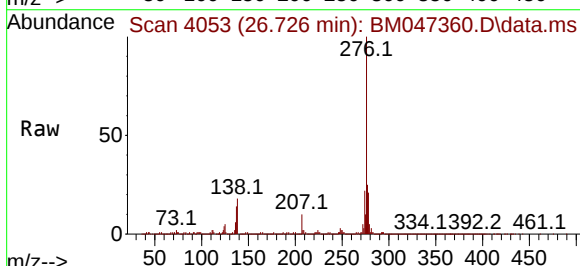
Tgt Ion:276 Resp: 3980216

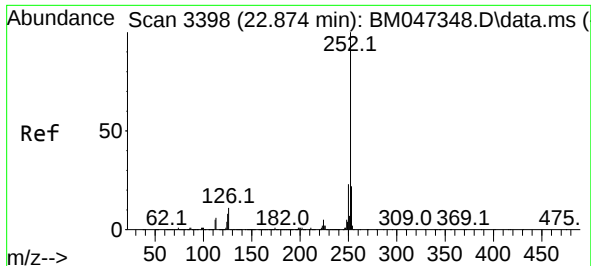
Ion Ratio Lower Upper

276 100

138 19.8 17.7 26.5

277 24.5 20.0 30.0

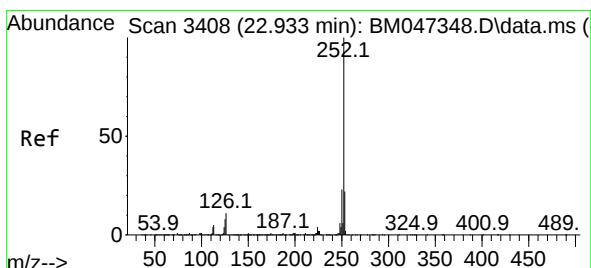
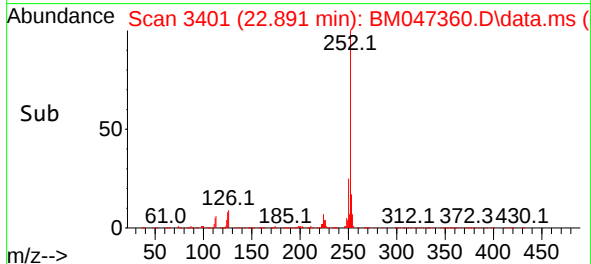
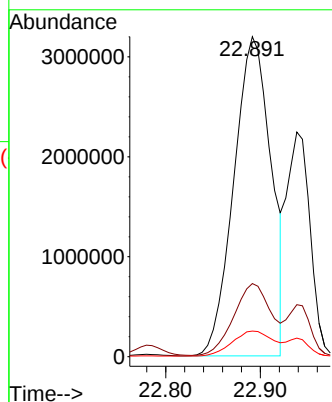
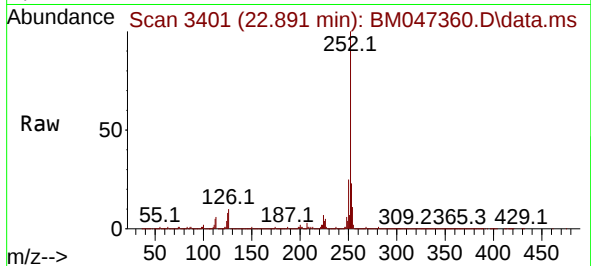




#88
Benzo(b)fluoranthene
Concen: 117.590 ng
RT: 22.891 min Scan# 3401
Delta R.T. 0.018 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

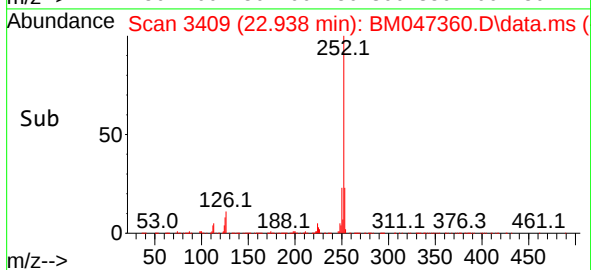
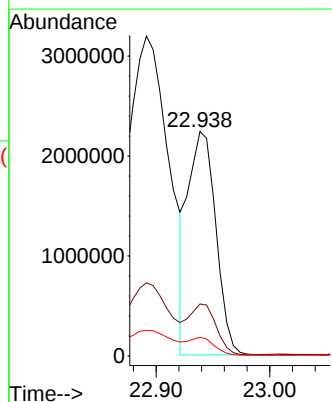
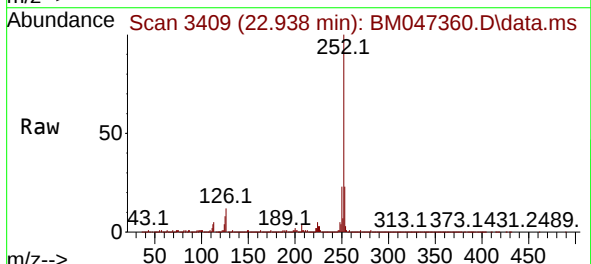
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS

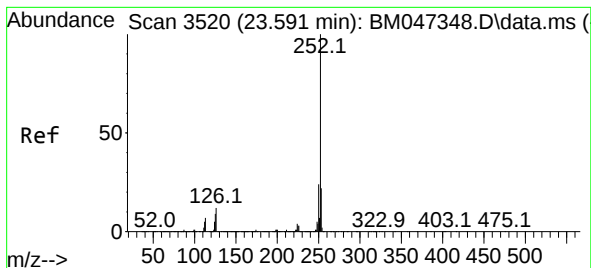
Tgt Ion:252 Resp: 8721520
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 8.0 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 54.012 ng
RT: 22.938 min Scan# 3409
Delta R.T. 0.006 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Tgt Ion:252 Resp: 3797551
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.3 6.6 9.8





#90

Benzo(a)pyrene

Concen: 64.596 ng

RT: 23.603 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMS

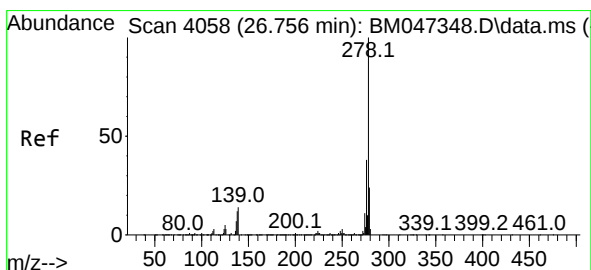
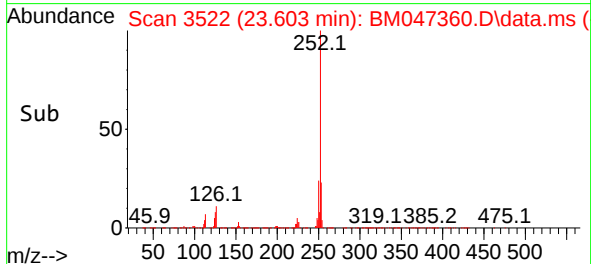
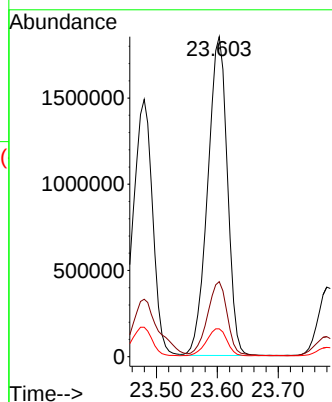
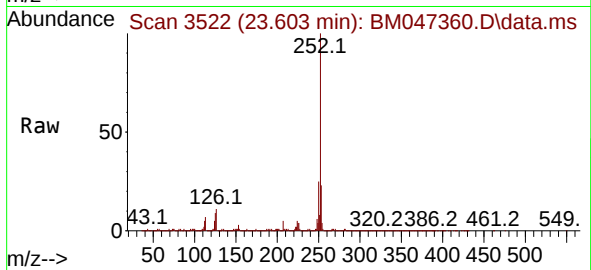
Tgt Ion:252 Resp: 4143221

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 8.7 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 30.474 ng

RT: 26.762 min Scan# 4059

Delta R.T. 0.006 min

Lab File: BM047360.D

Acq: 27 Aug 2024 12:37

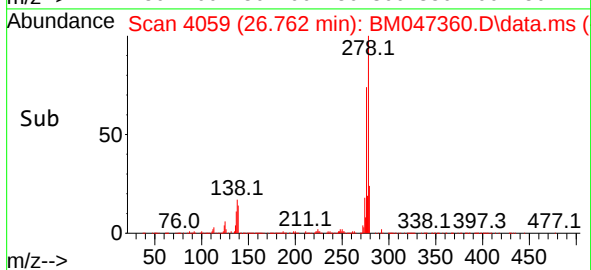
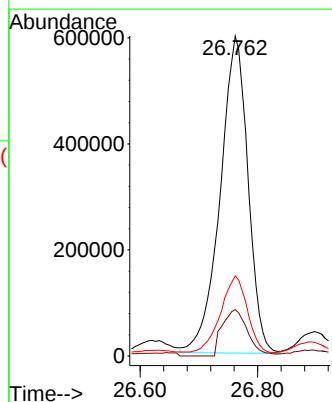
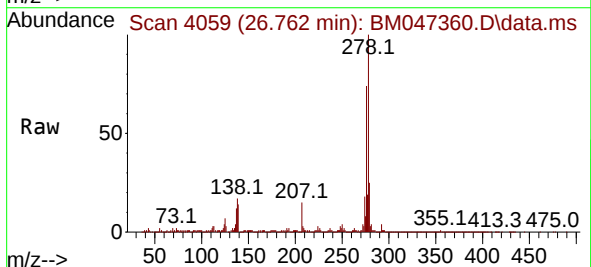
Tgt Ion:278 Resp: 1964674

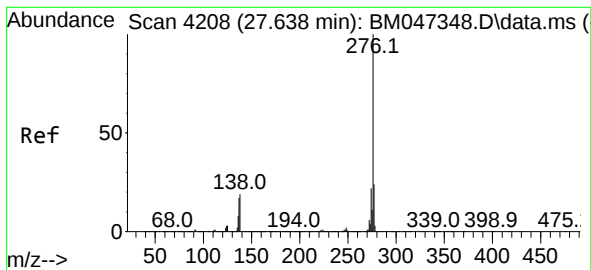
Ion Ratio Lower Upper

278 100

139 14.5 11.1 16.7

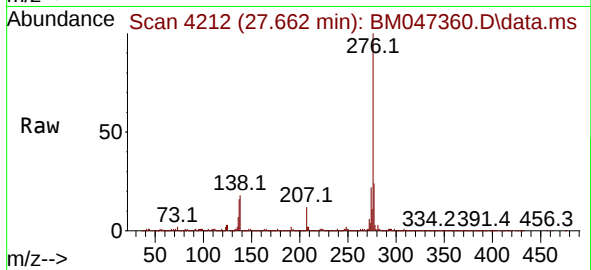
279 25.0 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 48.450 ng
RT: 27.662 min Scan# 41
Delta R.T. 0.024 min
Lab File: BM047360.D
Acq: 27 Aug 2024 12:37

Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMS



Tgt Ion:276 Resp: 3247330
Ion Ratio Lower Upper
276 100
277 24.5 19.4 29.0
138 18.4 15.0 22.6

