

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048217.D
 Acq On : 24 Oct 2024 15:10
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 24 15:50:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	182620	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	730673	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	456826	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	915080	20.000	ng	0.00
76) Chrysene-d12	21.333	240	860079	20.000	ng	0.00
86) Perylene-d12	24.285	264	927674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	954994	87.903	ng	0.00
7) Phenol-d6	6.898	99	1227940	86.789	ng	0.00
23) Nitrobenzene-d5	8.875	82	807115	62.370	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	486149	86.943	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	1841888	61.870	ng	0.00
79) Terphenyl-d14	19.733	244	2493919	59.174	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.204	88	34656	7.793	ng	99
3) Pyridine	3.610	79	79785	6.754	ng	99
4) n-Nitrosodimethylamine	3.516	42	36088	7.195	ng	# 93
6) Aniline	7.051	93	107168	9.125	ng	99
8) 2-Chlorophenol	7.287	128	90039	7.628	ng	99
9) Benzaldehyde	6.863	77	73713	10.604	ng	100
10) Phenol	6.928	94	104902	7.369	ng	98
11) bis(2-Chloroethyl)ether	7.145	93	85413	7.533	ng	98
12) 1,3-Dichlorobenzene	7.610	146	101646	7.470	ng	99
13) 1,4-Dichlorobenzene	7.757	146	104359	7.549	ng	97
14) 1,2-Dichlorobenzene	8.069	146	99421	7.441	ng	96
15) Benzyl Alcohol	7.969	79	65523	7.259	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.239	45	131756	7.945	ng	99
17) 2-Methylphenol	8.175	107	64925	6.864	ng	91
18) Hexachloroethane	8.792	117	37491	7.399	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	63578	7.103	ng	100
20) 3+4-Methylphenols	8.504	107	86999	6.639	ng	97
22) Acetophenone	8.545	105	136892	7.677	ng	# 99
24) Nitrobenzene	8.916	77	98868	7.374	ng	99
25) Isophorone	9.445	82	170005	7.167	ng	98
26) 2-Nitrophenol	9.633	139	40185	6.491	ng	# 92
27) 2,4-Dimethylphenol	9.698	122	27612	3.676	ng	99
28) bis(2-Chloroethoxy)met...	9.928	93	108084	7.201	ng	99
29) 2,4-Dichlorophenol	10.175	162	74489	6.894	ng	99
30) 1,2,4-Trichlorobenzene	10.375	180	89871	7.262	ng	99
31) Naphthalene	10.557	128	276259	7.249	ng	99
32) Benzoic acid	9.804	122	65135	7.791	ng	99
33) 4-Chloroaniline	10.680	127	92618	7.494	ng	98
34) Hexachlorobutadiene	10.845	225	53840	7.020	ng	98
35) Caprolactam	11.457	113	20913	5.958	ng	97
36) 4-Chloro-3-methylphenol	11.816	107	73669	6.531	ng	99
37) 2-Methylnaphthalene	12.180	142	182379	7.163	ng	98
38) 1-Methylnaphthalene	12.398	142	168884	6.689	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	97870	7.496	ng	98
41) Hexachlorocyclopentadiene	12.527	237	31691	7.172	ng	96
43) 2,4,6-Trichlorophenol	12.798	196	58115	6.707	ng	97

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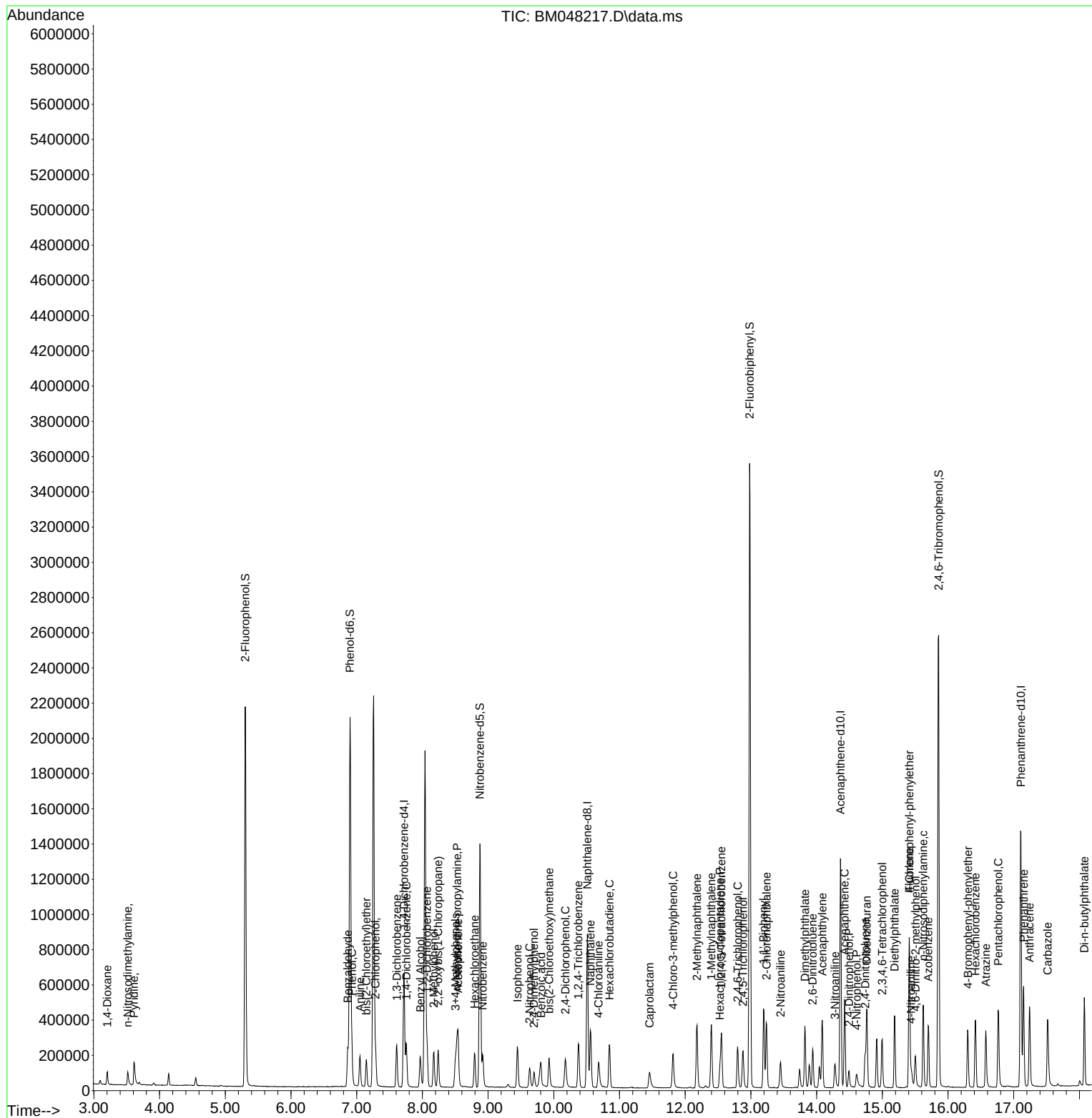
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	63378	6.559	ng	97
46) 1,1'-Biphenyl	13.192	154	247205	7.579	ng	99
47) 2-Chloronaphthalene	13.239	162	186120	7.237	ng	98
48) 2-Nitroaniline	13.451	65	43915	6.296	ng	97
49) Acenaphthylene	14.086	152	286990	7.649	ng	99
50) Dimethylphthalate	13.821	163	226854	7.274	ng	100
51) 2,6-Dinitrotoluene	13.939	165	44898	6.452	ng	96
52) Acenaphthene	14.427	154	171252	7.183	ng	99
53) 3-Nitroaniline	14.280	138	40948	6.240	ng	100
54) 2,4-Dinitrophenol	14.492	184	22257	5.474	ng	92
55) Dibenzofuran	14.762	168	285608	7.541	ng	99
56) 4-Nitrophenol	14.610	139	30321	5.177	ng	92
57) 2,4-Dinitrotoluene	14.739	165	55787	6.071	ng	97
58) Fluorene	15.410	166	221312	7.389	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	59512	7.430	ng	98
60) Diethylphthalate	15.186	149	223063	7.064	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	111545	7.449	ng	95
62) 4-Nitroaniline	15.439	138	37705	5.552	ng	89
63) Azobenzene	15.698	77	203318	7.184	ng	100
65) 4,6-Dinitro-2-methylph...	15.504	198	40225	7.576	ng	98
66) n-Nitrosodiphenylamine	15.621	169	182431	7.262	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	66151	7.130	ng	94
68) Hexachlorobenzene	16.415	284	80436	7.218	ng	98
69) Atrazine	16.574	200	61411	8.737	ng	98
70) Pentachlorophenol	16.762	266	85185	11.644	ng	97
71) Phenanthrene	17.151	178	341230	7.531	ng	100
72) Anthracene	17.239	178	303803	6.926	ng	99
73) Carbazole	17.515	167	299461	6.964	ng	100
74) Di-n-butylphthalate	18.074	149	358975	6.707	ng	99
75) Fluoranthene	19.168	202	379899	7.028	ng	98
77) Benzidine	19.362	184	55419	5.583	ng	100
78) Pyrene	19.527	202	400811	6.962	ng	100
80) Butylbenzylphthalate	20.427	149	155838	6.474	ng	97
81) Benzo(a)anthracene	21.315	228	396905	7.222	ng	98
82) 3,3'-Dichlorobenzidine	21.244	252	131182	6.968	ng	95
83) Chrysene	21.374	228	392695	7.444	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	239675	6.850	ng	99
85) Di-n-octyl phthalate	22.350	149	375396	6.195	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.603	276	471950	7.693	ng	100
88) Benzo(b)fluoranthene	23.350	252	402822	7.573	ng	99
89) Benzo(k)fluoranthene	23.415	252	403775	7.852	ng	99
90) Benzo(a)pyrene	24.144	252	356941	7.719	ng	99
91) Dibenzo(a,h)anthracene	27.656	278	391921	7.672	ng	99
92) Benzo(g,h,i)perylene	28.644	276	376565	7.199	ng	99

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

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ClientSampleId :
LOQ-SOIL-02-QT4-2024

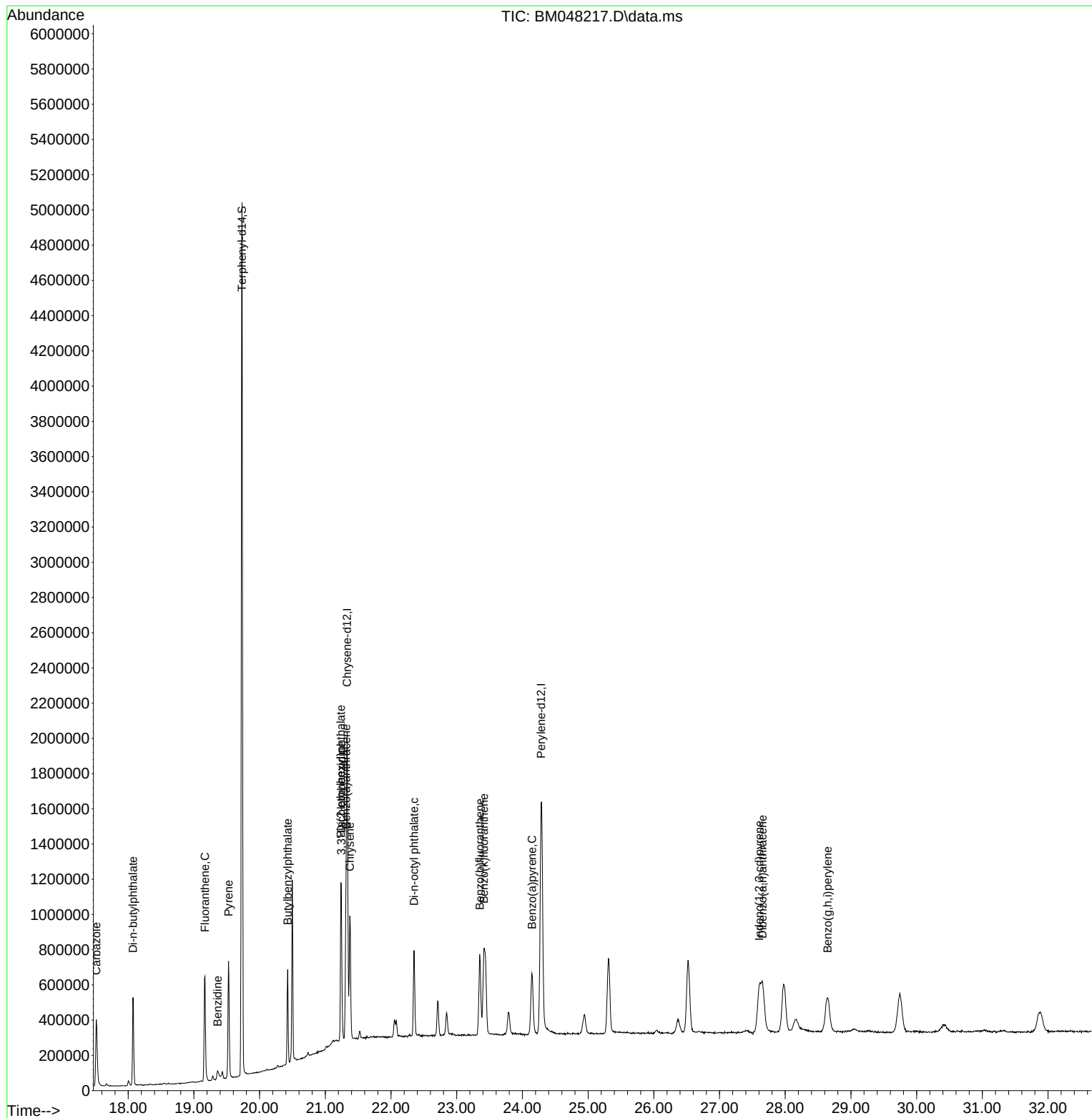
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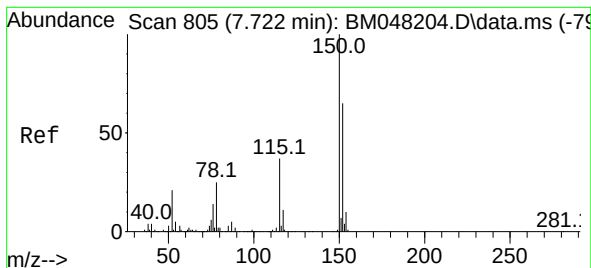


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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.722 min Scan# 80

Delta R.T. -0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

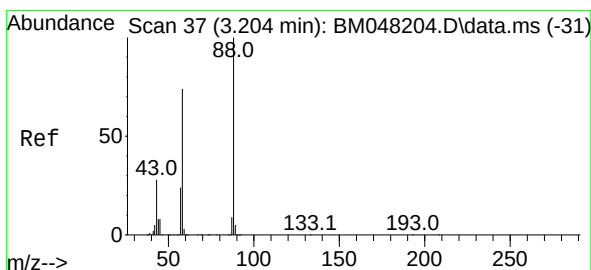
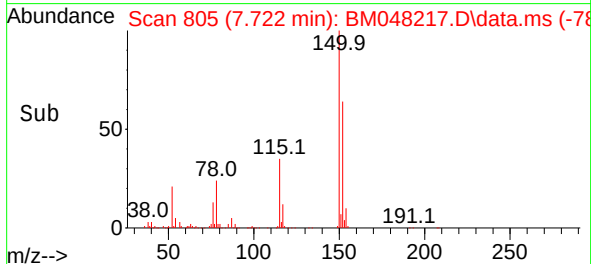
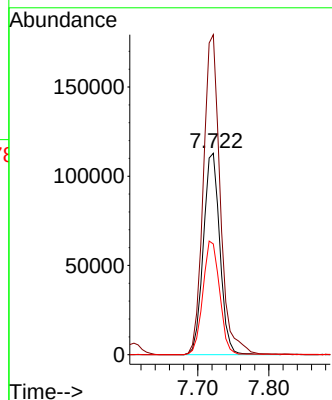
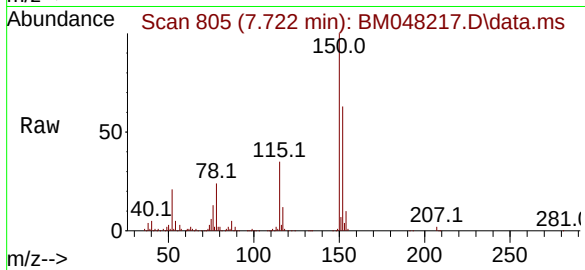
Tgt Ion:152 Resp: 182620

Ion Ratio Lower Upper

152 100

150 158.9 123.0 184.6

115 55.0 45.8 68.6



#2

1,4-Dioxane

Concen: 7.793 ng

RT: 3.204 min Scan# 37

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

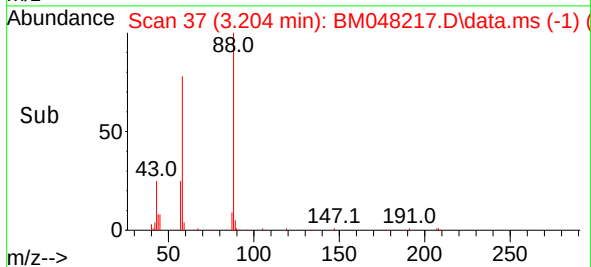
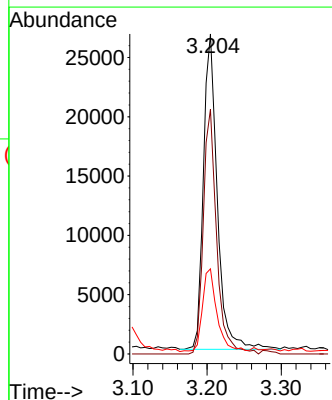
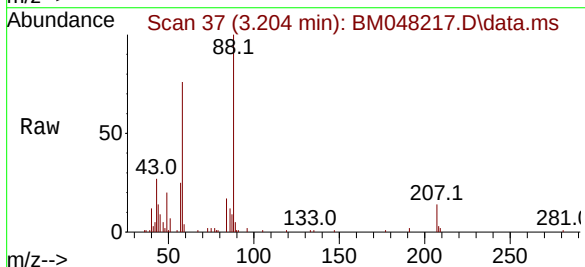
Tgt Ion: 88 Resp: 34656

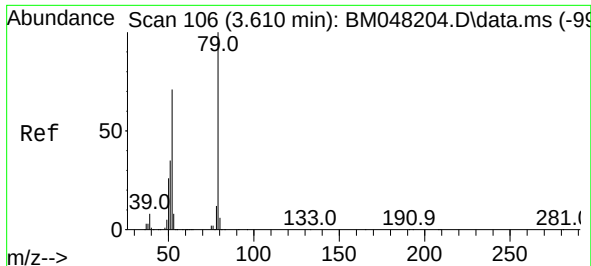
Ion Ratio Lower Upper

88 100

58 74.3 59.7 89.5

43 26.4 22.6 33.8





#3

Pyridine

Concen: 6.754 ng

RT: 3.610 min Scan# 106

Delta R.T. 0.000 min

Lab File: BM048217.D

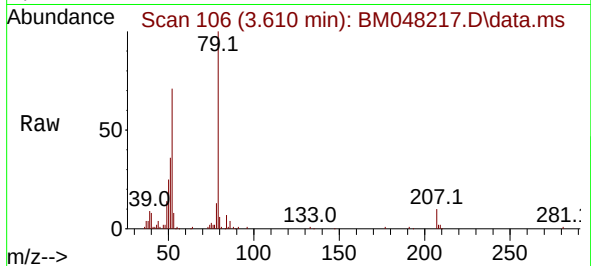
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Instrument :

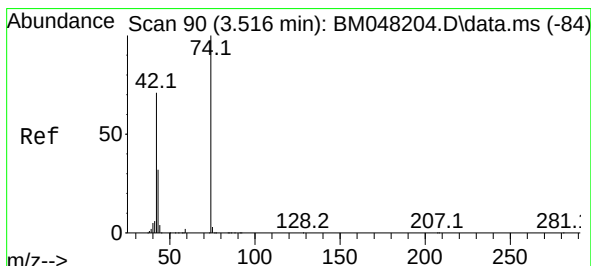
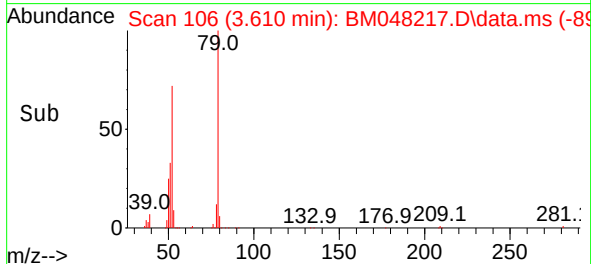
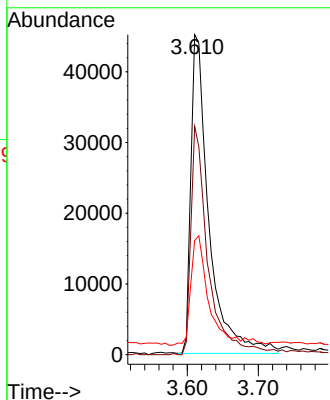
BNA_M

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Tgt Ion:	79	Resp:	79785
Ion Ratio	Lower	Upper	
79	100		
52	71.3	56.5	84.7
51	35.8	28.5	42.7



#4

n-Nitrosodimethylamine

Concen: 7.195 ng

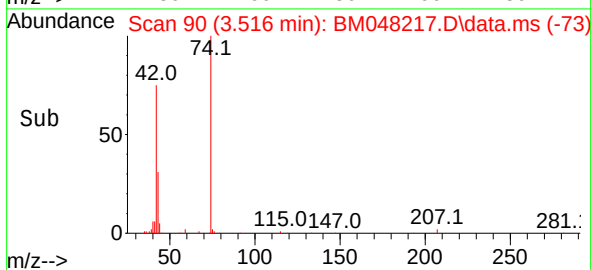
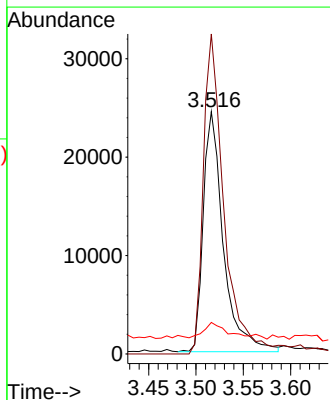
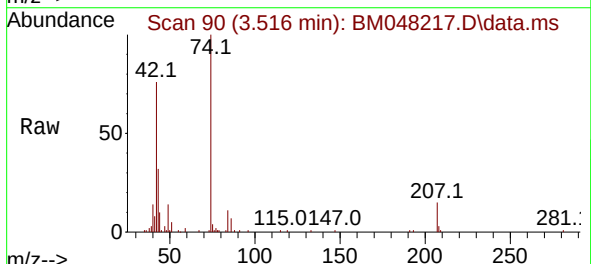
RT: 3.516 min Scan# 90

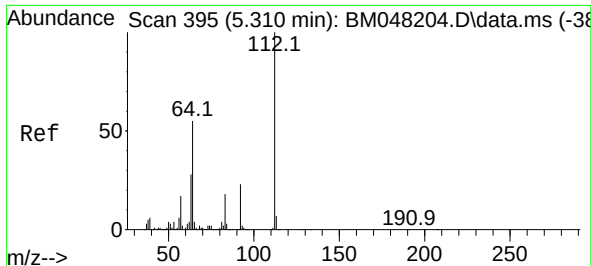
Delta R.T. 0.000 min

Lab File: BM048217.D

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Tgt Ion:	42	Resp:	36088
Ion Ratio	Lower	Upper	
42	100		
74	132.1	111.8	167.6
44	13.0	6.0	9.0

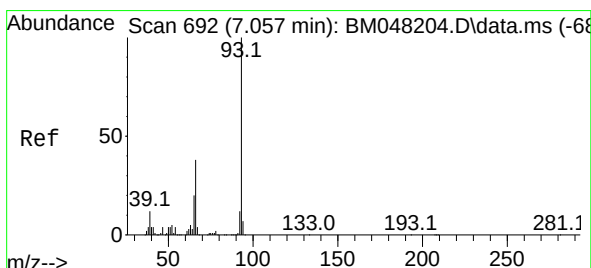
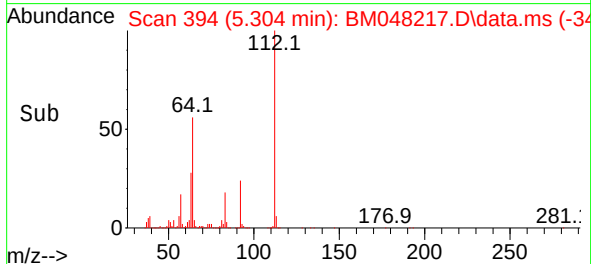
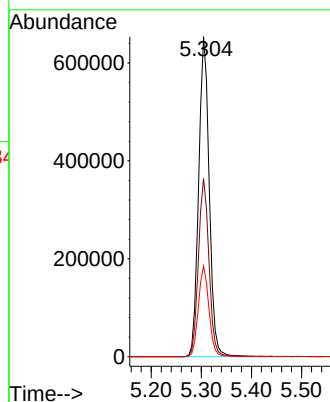
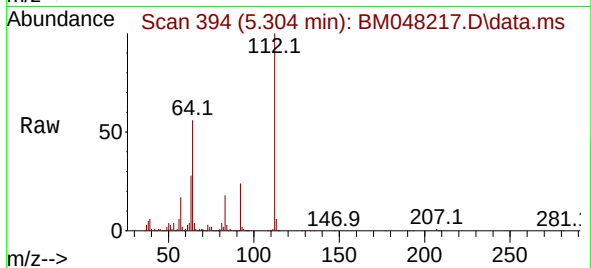




#5
2-Fluorophenol
Concen: 87.903 ng
RT: 5.304 min Scan# 394
Delta R.T. -0.006 min
Lab File: BM048217.D
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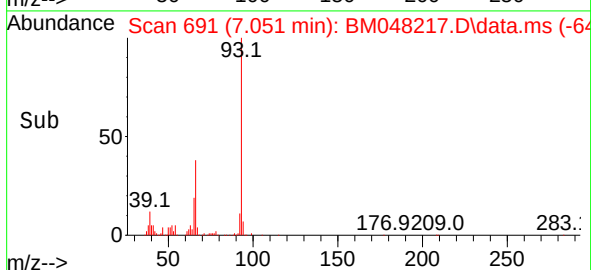
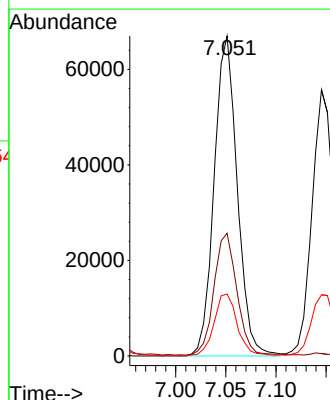
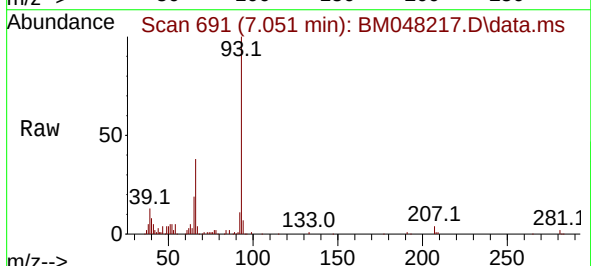
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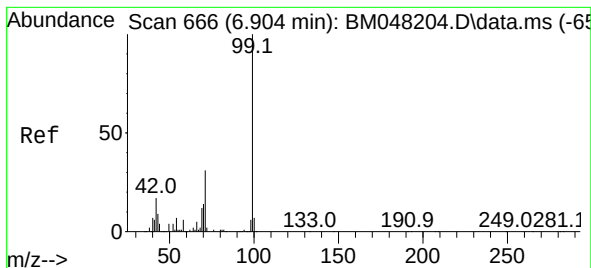
Tgt Ion:112 Resp: 954994
Ion Ratio Lower Upper
112 100
64 55.6 44.2 66.2
63 28.4 22.7 34.1



#6
Aniline
Concen: 9.125 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 93 Resp: 107168
Ion Ratio Lower Upper
93 100
66 38.3 30.2 45.2
65 19.3 16.2 24.2





#7

Phenol-d6

Concen: 86.789 ng

RT: 6.898 min Scan# 6

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

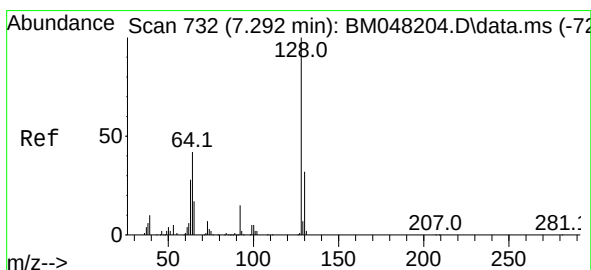
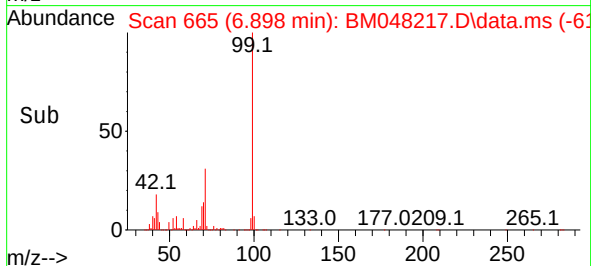
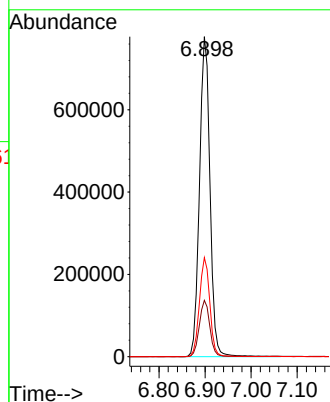
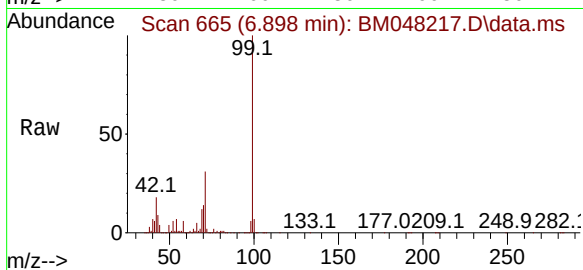
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 99 Resp: 1227940

Ion Ratio Lower Upper

99	100		
42	17.6	13.8	20.8
71	31.0	24.9	37.3



#8

2-Chlorophenol

Concen: 7.628 ng

RT: 7.287 min Scan# 731

Delta R.T. -0.006 min

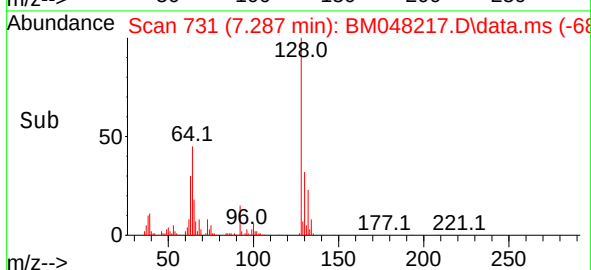
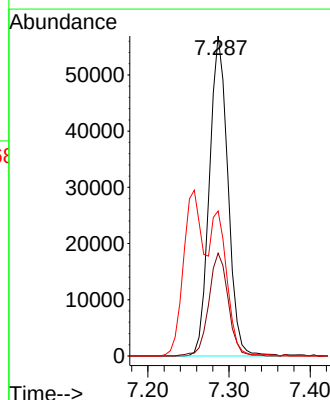
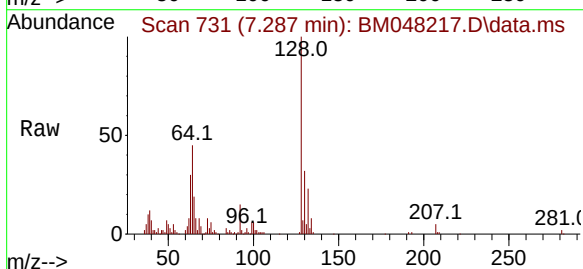
Lab File: BM048217.D

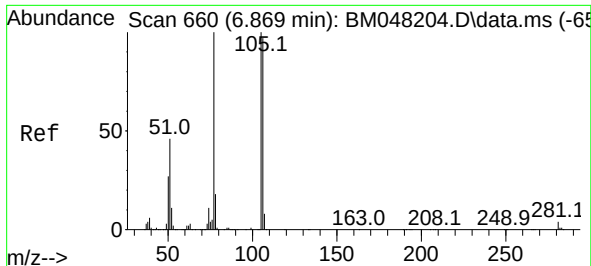
Acq: 24 Oct 2024 15:10

Tgt Ion: 128 Resp: 90039

Ion Ratio Lower Upper

128	100		
130	32.1	12.1	52.1
64	45.3	23.8	63.8

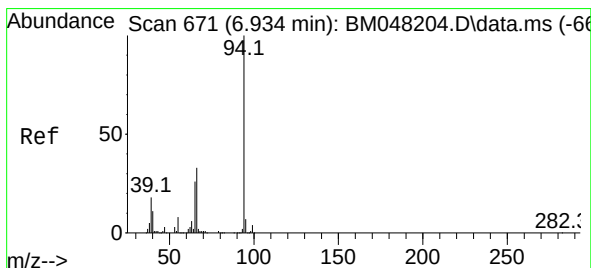
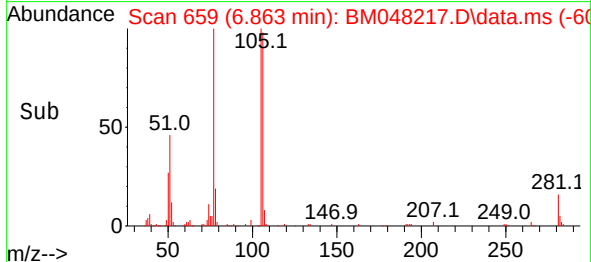
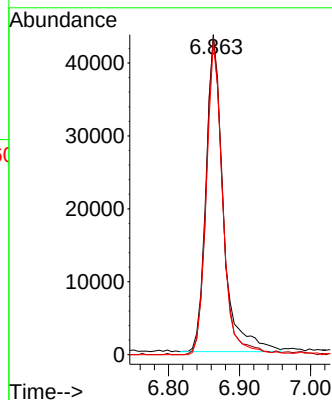
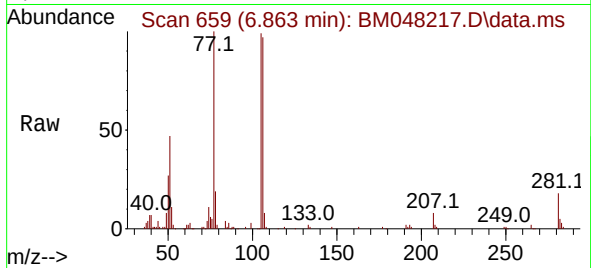




#9
Benzaldehyde
Concen: 10.604 ng
RT: 6.863 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM048217.D
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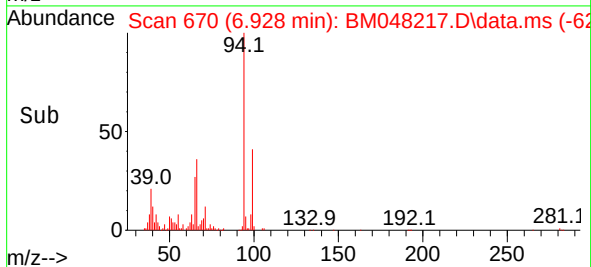
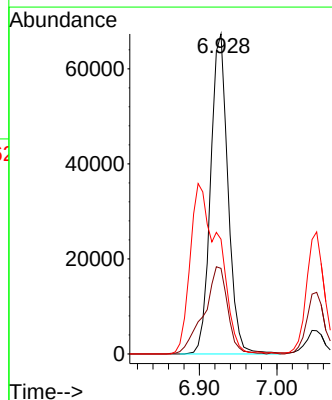
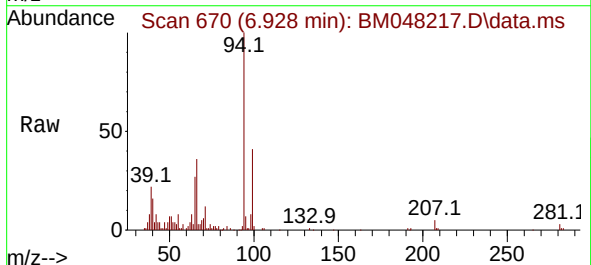
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

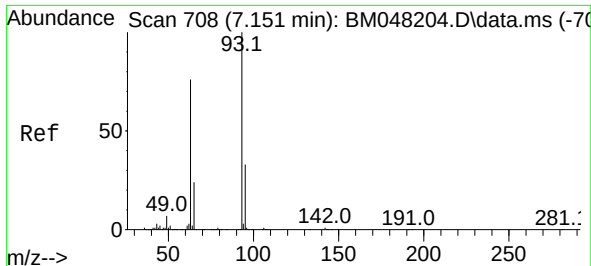
Tgt Ion: 77 Resp: 73713
Ion Ratio Lower Upper
77 100
105 99.2 79.6 119.6
106 97.2 77.0 117.0



#10
Phenol
Concen: 7.369 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 94 Resp: 104902
Ion Ratio Lower Upper
94 100
65 26.8 6.5 46.5
66 35.9 13.6 53.6

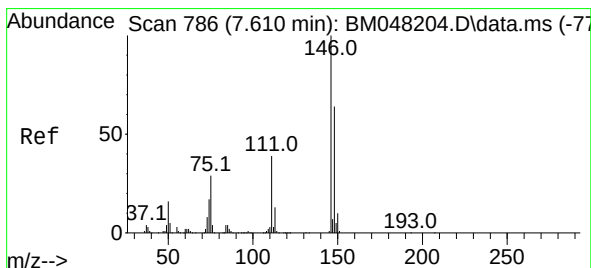
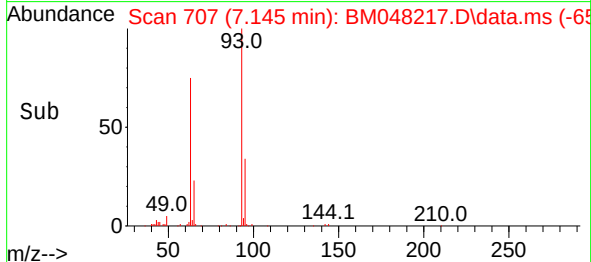
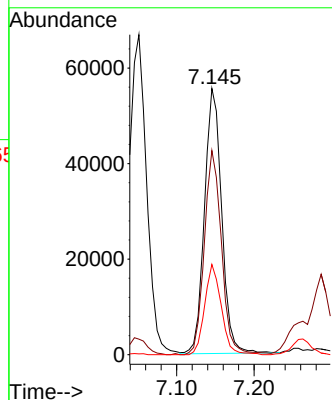
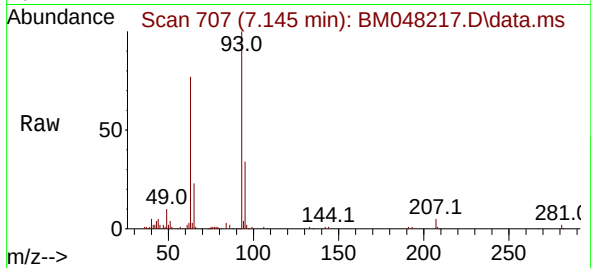




#11
bis(2-Chloroethyl)ether
Concen: 7.533 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

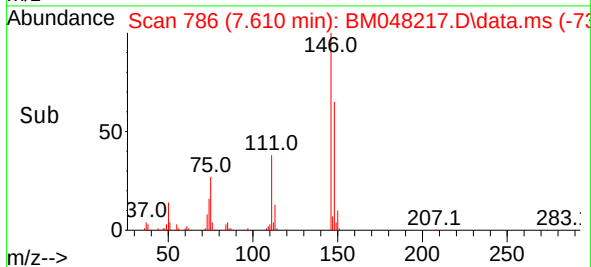
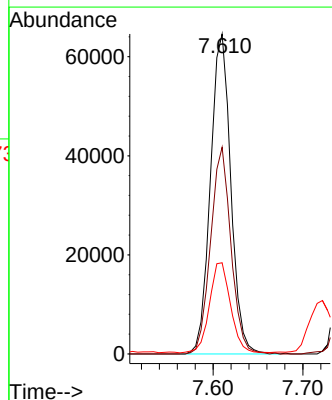
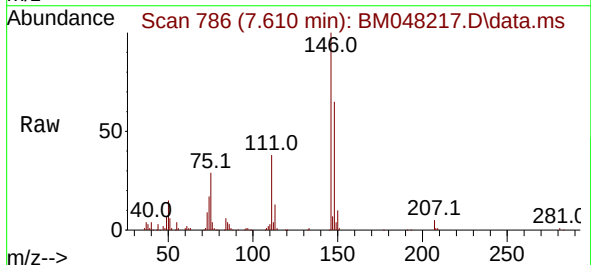
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

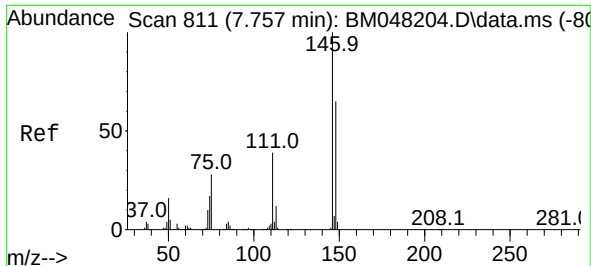
Tgt Ion: 93 Resp: 85413
Ion Ratio Lower Upper
93 100
63 76.7 55.3 95.3
95 33.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 7.470 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:146 Resp: 101646
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
75 28.5 22.9 34.3

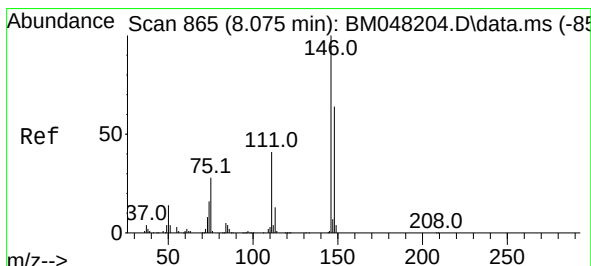
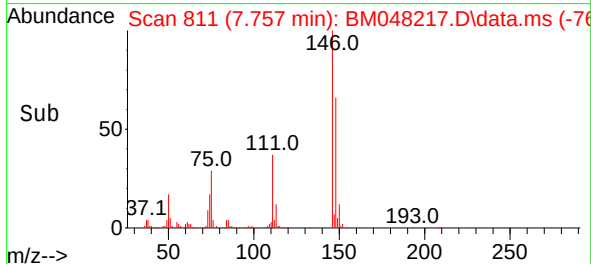
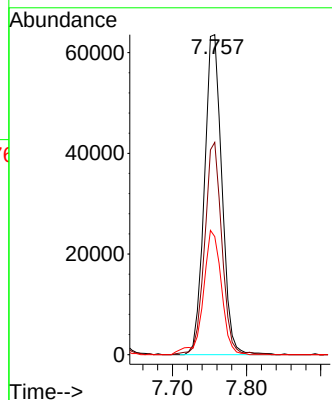
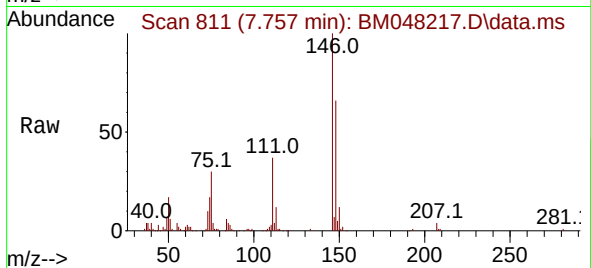




#13
1,4-Dichlorobenzene
Concen: 7.549 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

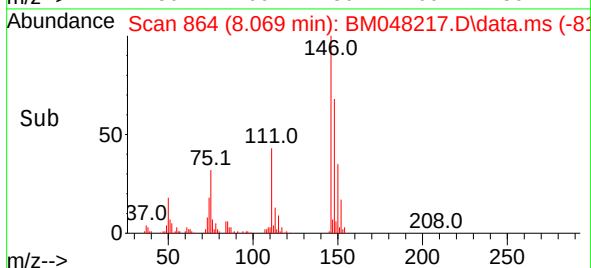
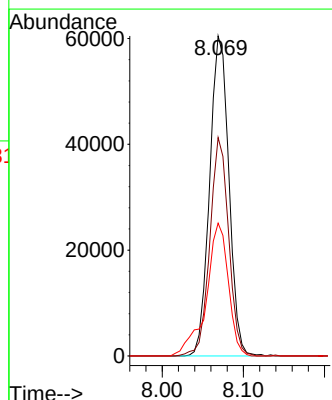
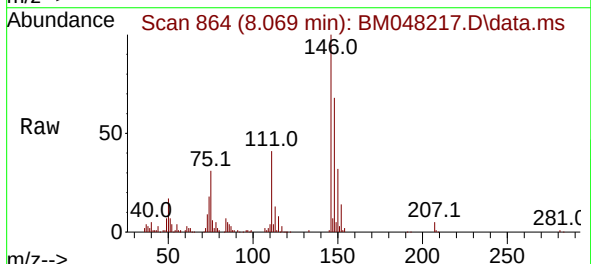
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

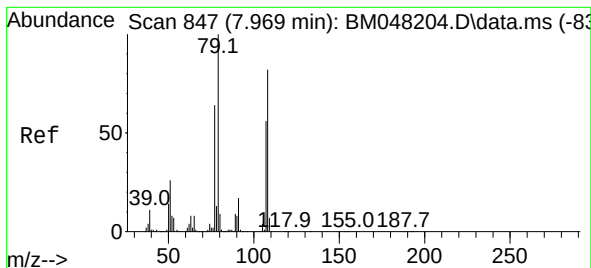
Tgt Ion:146 Resp: 104359
Ion Ratio Lower Upper
146 100
148 66.3 51.7 77.5
111 36.9 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 7.441 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:146 Resp: 99421
Ion Ratio Lower Upper
146 100
148 68.2 51.3 76.9
111 41.5 32.7 49.1





#15

Benzyl Alcohol

Concen: 7.259 ng

RT: 7.969 min Scan# 847

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

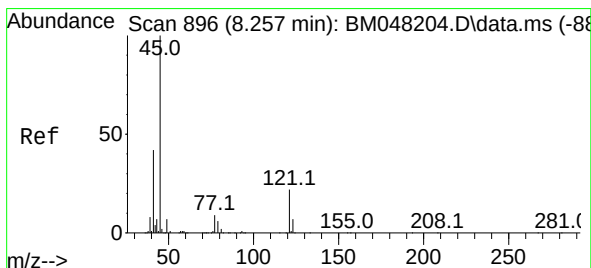
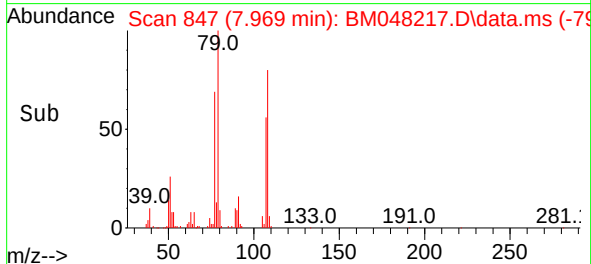
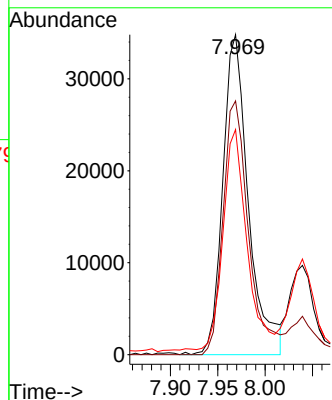
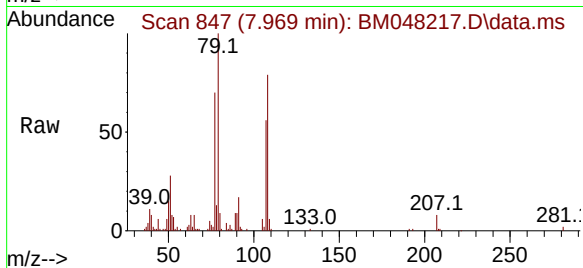
Tgt Ion: 79 Resp: 65523

Ion Ratio Lower Upper

79 100

108 79.3 65.2 97.8

77 70.4 51.4 77.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.945 ng

RT: 8.239 min Scan# 893

Delta R.T. -0.018 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

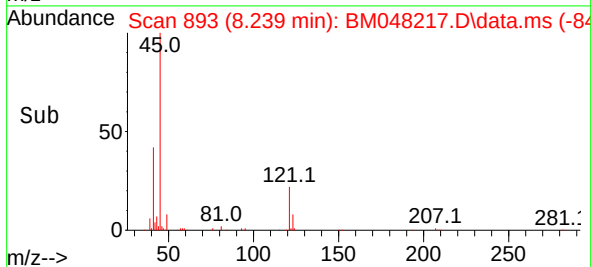
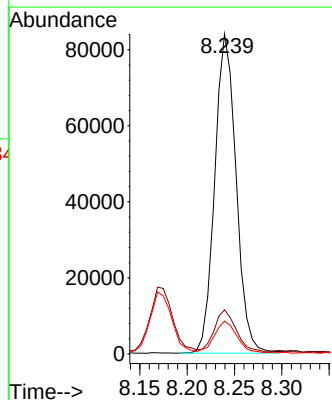
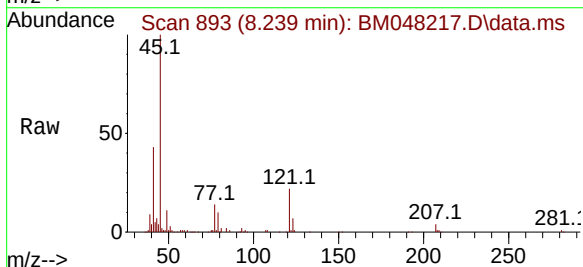
Tgt Ion: 45 Resp: 131756

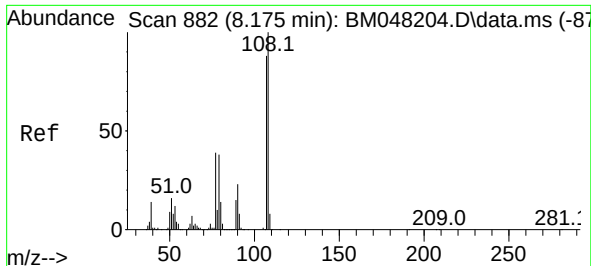
Ion Ratio Lower Upper

45 100

77 13.8 0.0 34.2

79 10.3 0.0 30.7

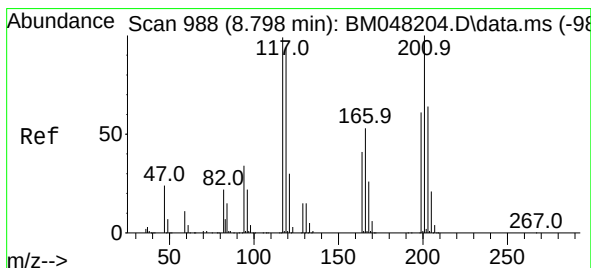
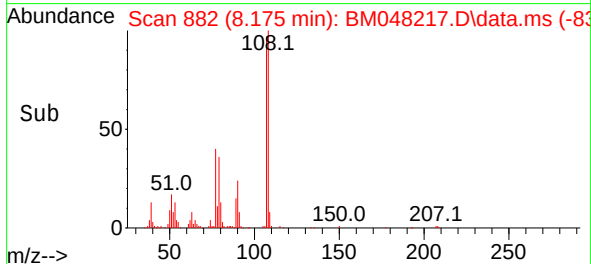
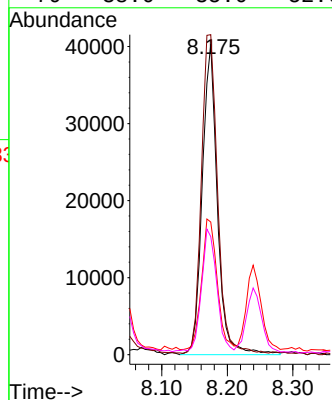
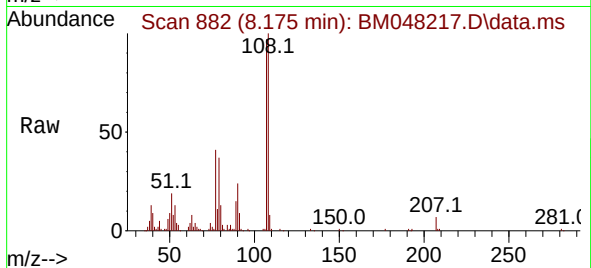




#17
2-Methylphenol
Concen: 6.864 ng
RT: 8.175 min Scan# 882
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

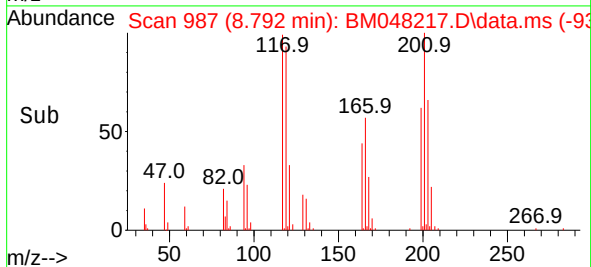
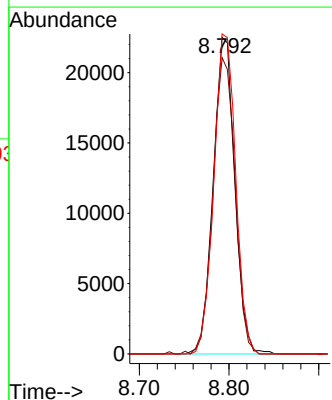
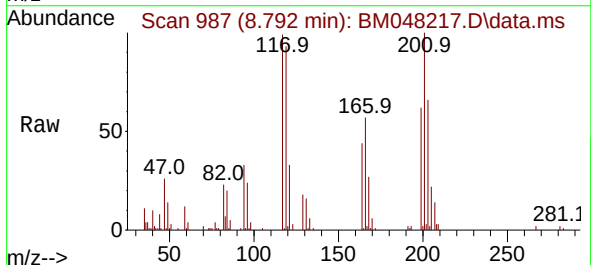
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

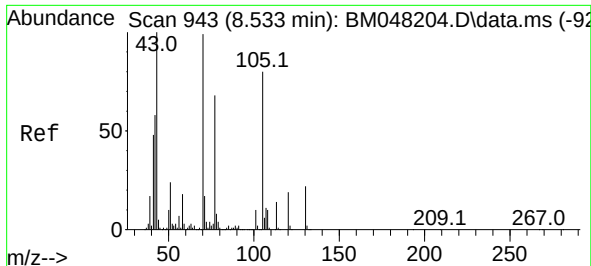
Tgt Ion:	107	Resp:	64925
Ion Ratio	Lower	Upper	
107	100		
108	103.1	91.3	136.9
77	42.7	36.2	54.2
79	38.0	35.0	52.6



#18
Hexachloroethane
Concen: 7.399 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:	117	Resp:	37491
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.5	114.7
201	101.1	80.9	121.3

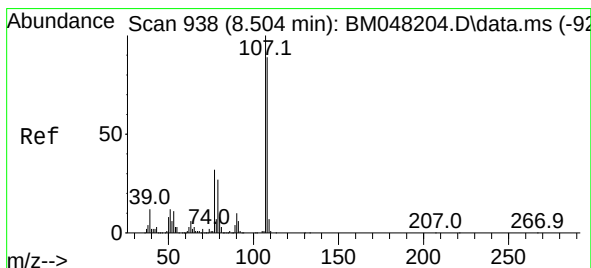
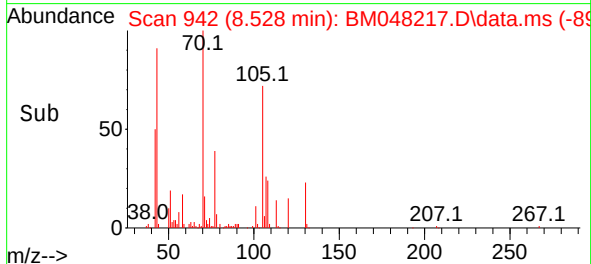
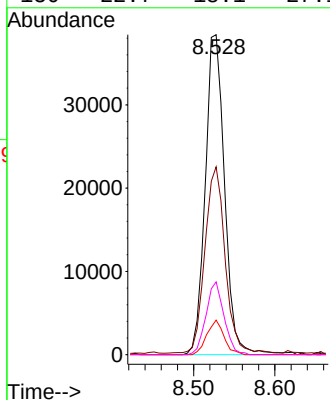
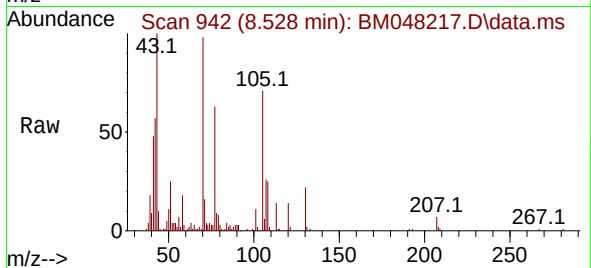




#19
n-Nitroso-di-n-propylamine
Concen: 7.103 ng
RT: 8.528 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

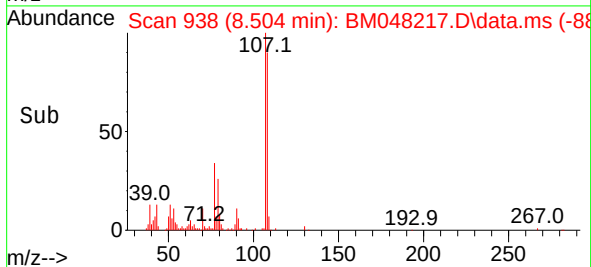
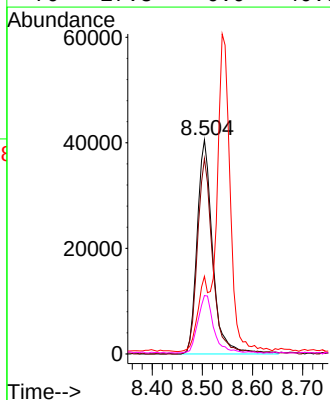
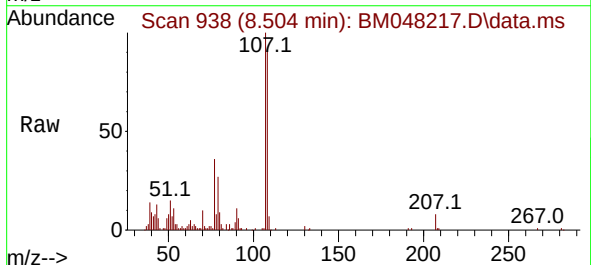
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

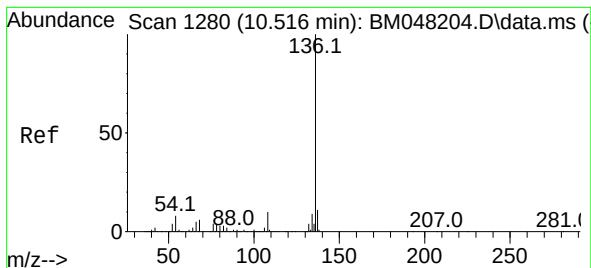
Tgt Ion: 70 Resp: 63578
Ion Ratio Lower Upper
70 100
42 58.7 47.0 70.6
101 10.8 7.8 11.6
130 22.7 18.1 27.1



#20
3+4-Methylphenols
Concen: 6.639 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion: 107 Resp: 86999
Ion Ratio Lower Upper
107 100
108 91.3 69.0 109.0
77 36.2 12.3 52.3
79 27.3 6.9 46.9

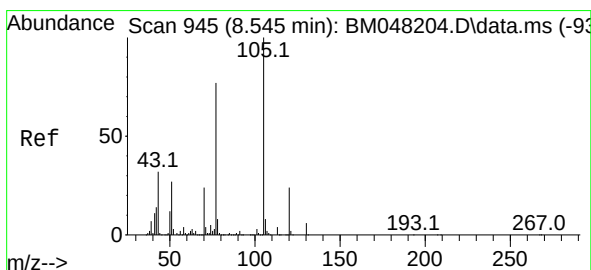
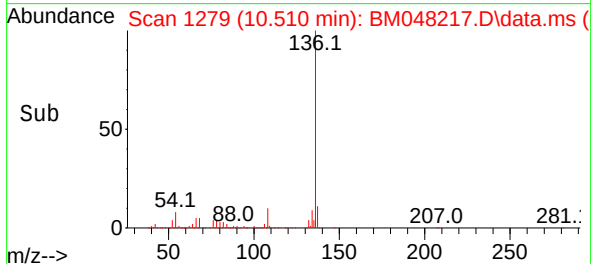
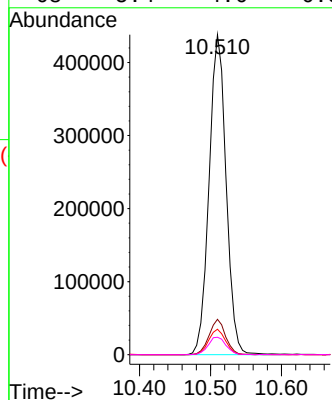
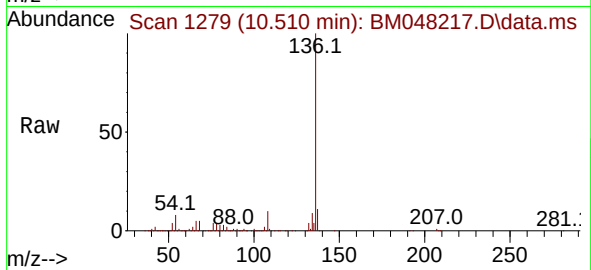




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

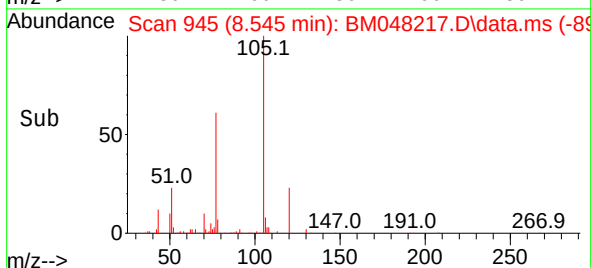
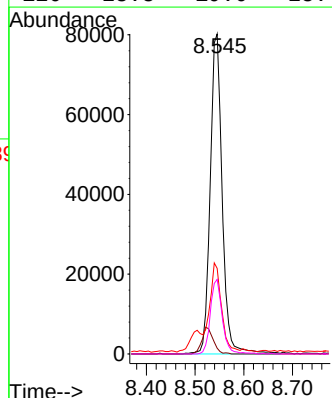
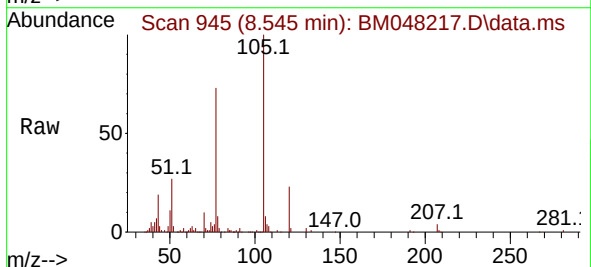
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

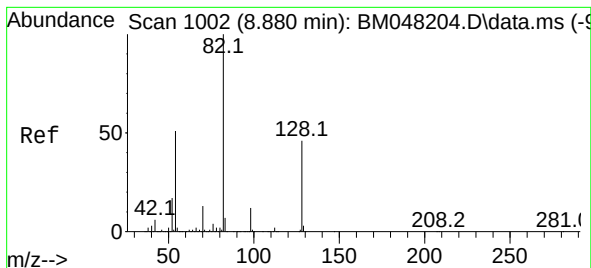
Tgt Ion:136 Resp: 730673
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.0 6.5 9.7
68 5.4 4.6 6.8



#22
Acetophenone
Concen: 7.677 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:105 Resp: 136892
Ion Ratio Lower Upper
105 100
71 1.8 3.4 5.0#
51 26.7 21.7 32.5
120 23.3 19.0 28.4





#23

Nitrobenzene-d5

Concen: 62.370 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

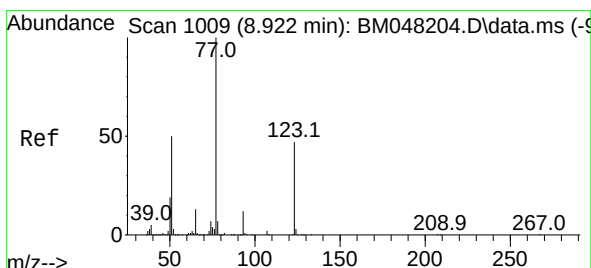
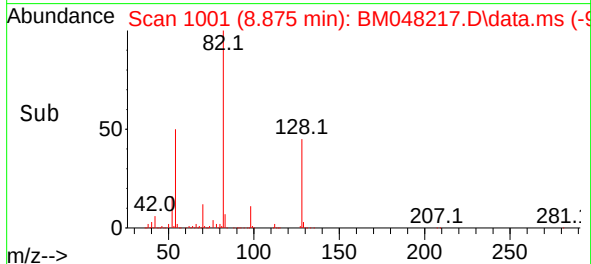
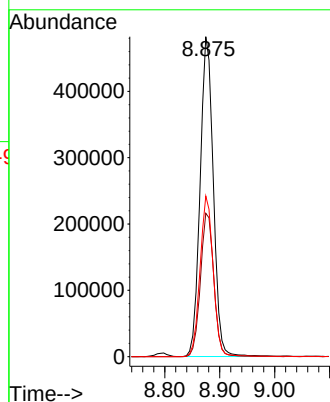
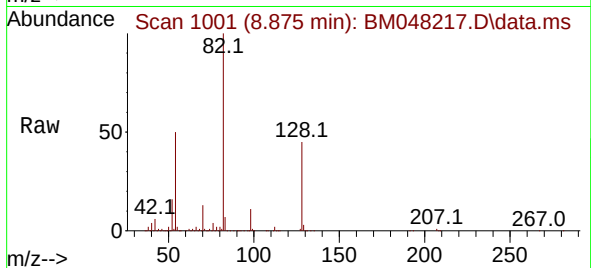
Tgt Ion: 82 Resp: 807115

Ion Ratio Lower Upper

82 100

128 44.8 36.6 54.8

54 50.2 41.0 61.4



#24

Nitrobenzene

Concen: 7.374 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

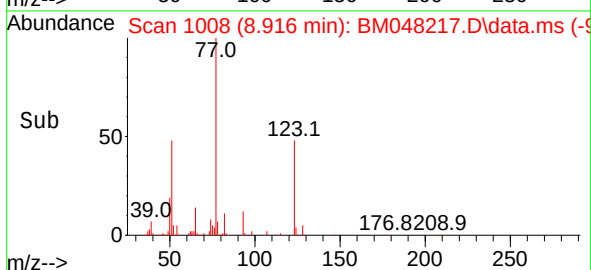
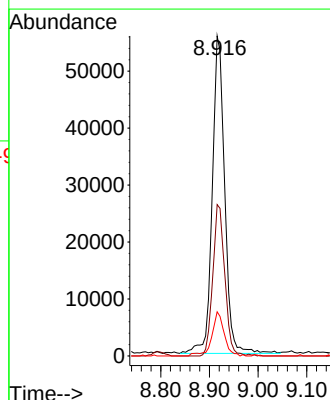
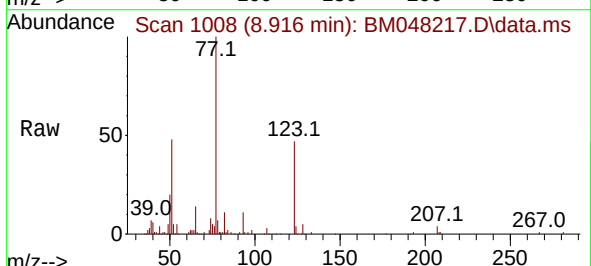
Tgt Ion: 77 Resp: 98868

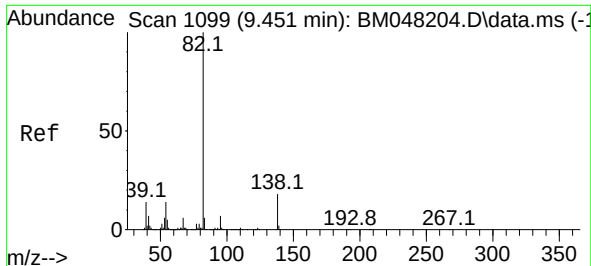
Ion Ratio Lower Upper

77 100

123 47.3 37.8 56.6

65 13.8 10.4 15.6





#25

Isophorone

Concen: 7.167 ng

RT: 9.445 min Scan# 1099

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

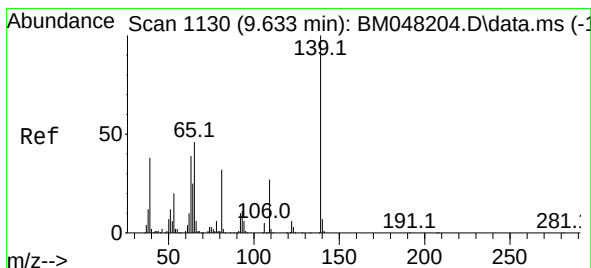
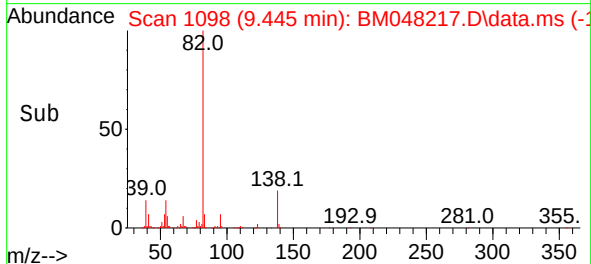
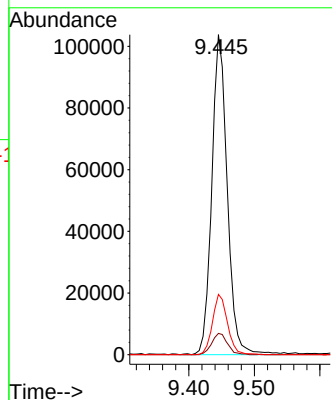
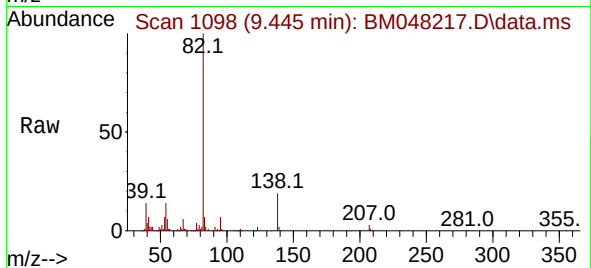
Tgt Ion: 82 Resp: 170005

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.9 14.3 21.5



#26

2-Nitrophenol

Concen: 6.491 ng

RT: 9.633 min Scan# 1130

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

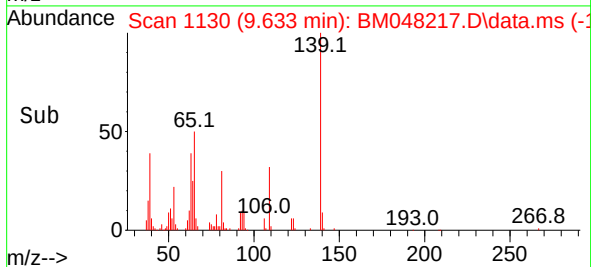
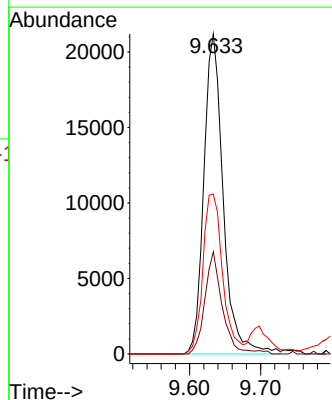
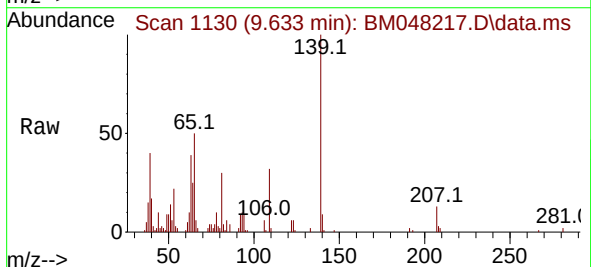
Tgt Ion:139 Resp: 40185

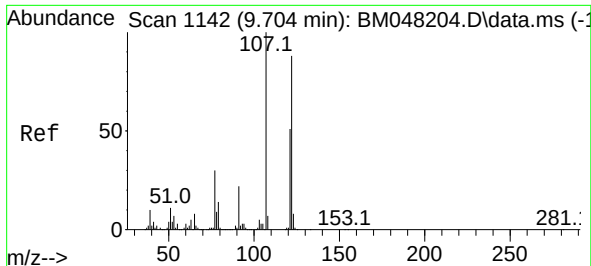
Ion Ratio Lower Upper

139 100

109 31.9 21.2 31.8#

65 50.0 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 3.676 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

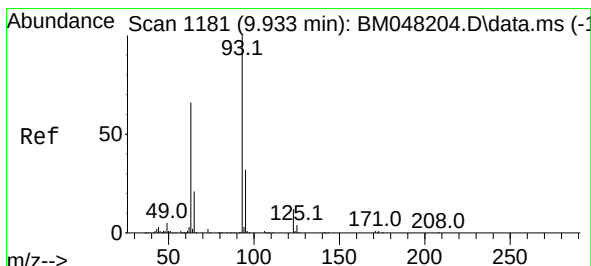
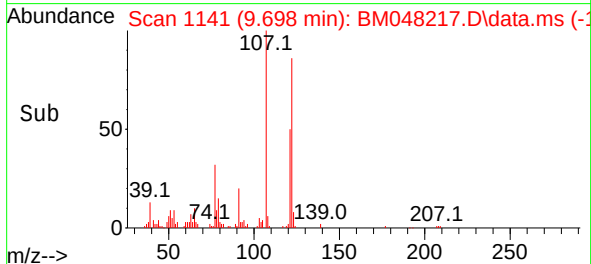
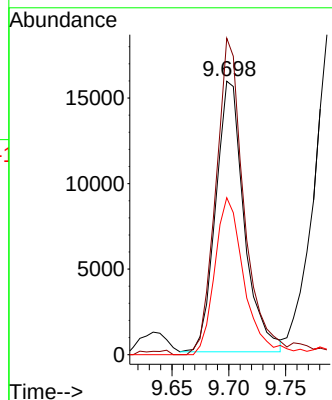
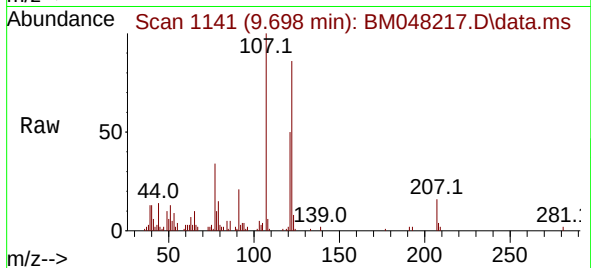
Tgt Ion:122 Resp: 27612

Ion Ratio Lower Upper

122 100

107 115.7 91.0 136.6

121 57.4 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 7.201 ng

RT: 9.928 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

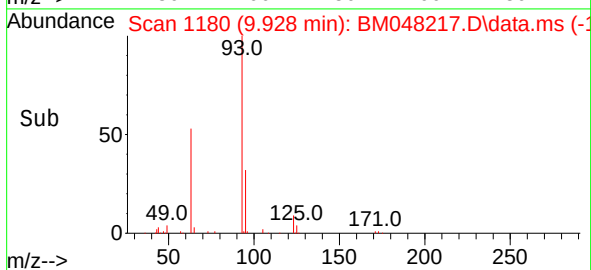
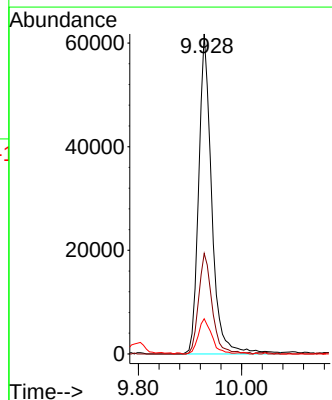
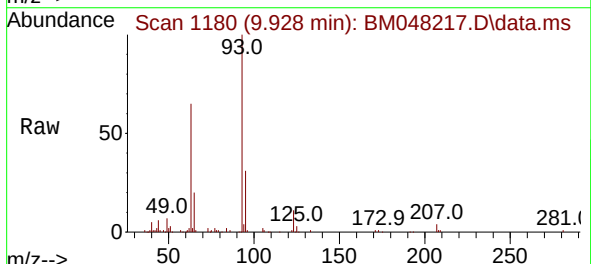
Tgt Ion: 93 Resp: 108084

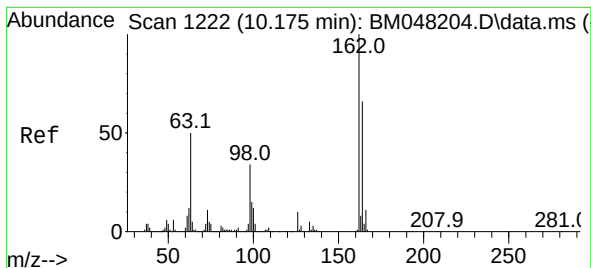
Ion Ratio Lower Upper

93 100

95 31.4 25.3 37.9

123 11.0 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 6.894 ng

RT: 10.175 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

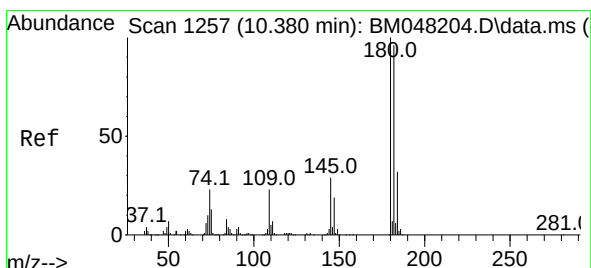
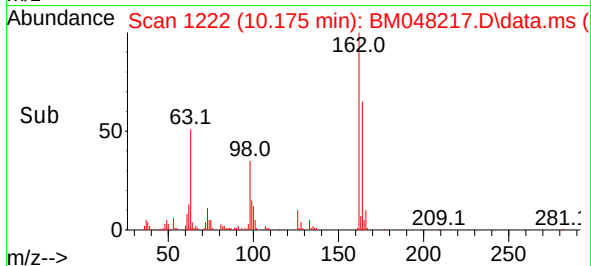
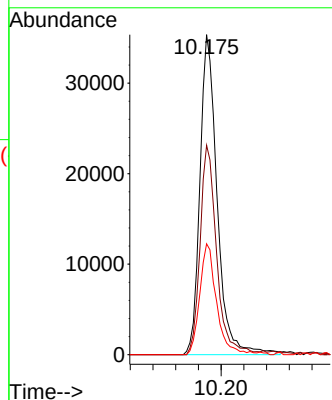
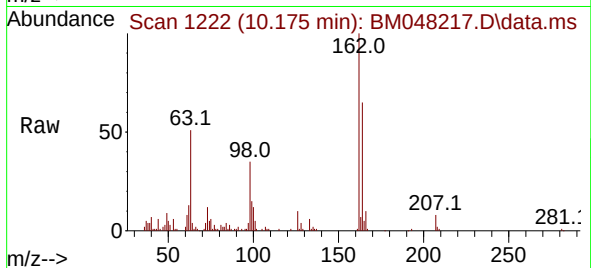
Tgt Ion:162 Resp: 74489

Ion Ratio Lower Upper

162 100

164 65.4 46.0 86.0

98 34.7 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 7.262 ng

RT: 10.375 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

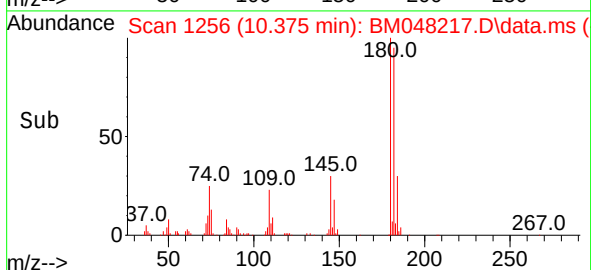
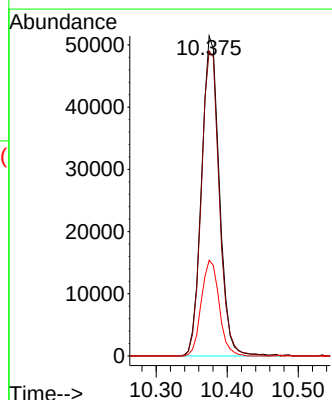
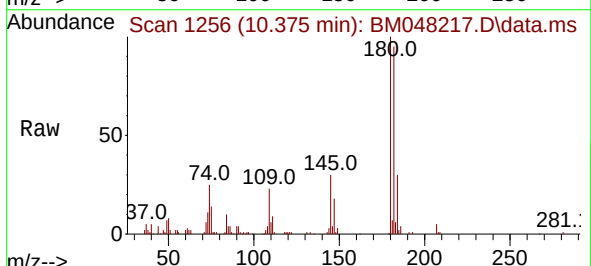
Tgt Ion:180 Resp: 89871

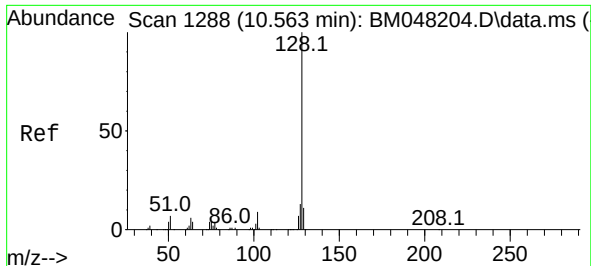
Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

145 29.9 23.4 35.2

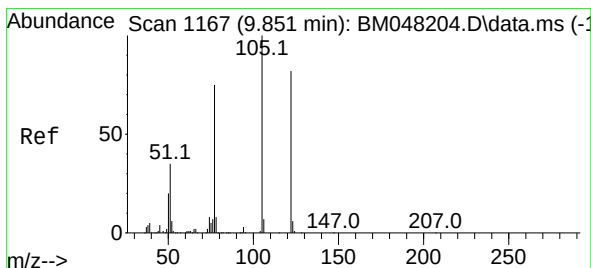
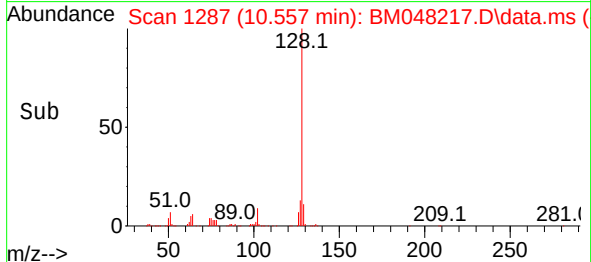
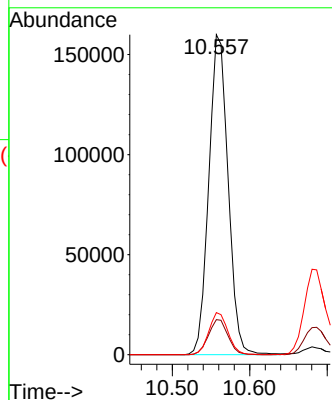
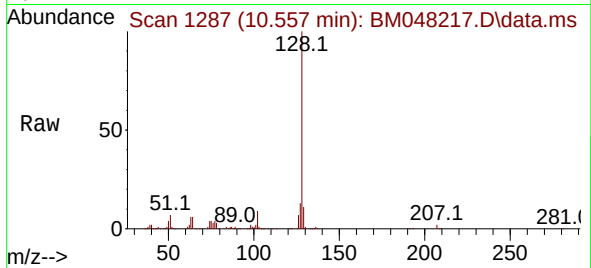




#31
Naphthalene
Concen: 7.249 ng
RT: 10.557 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

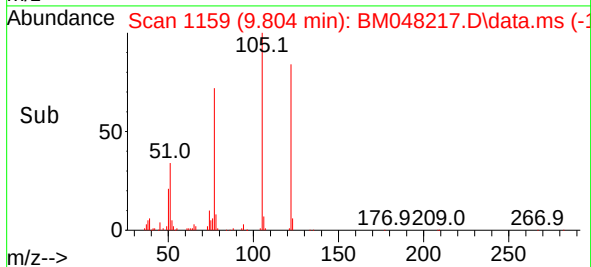
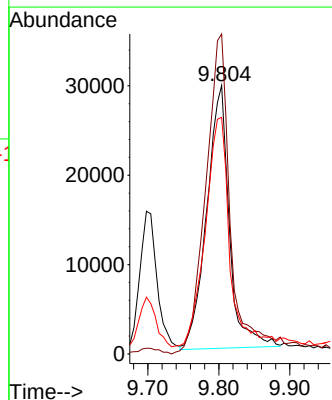
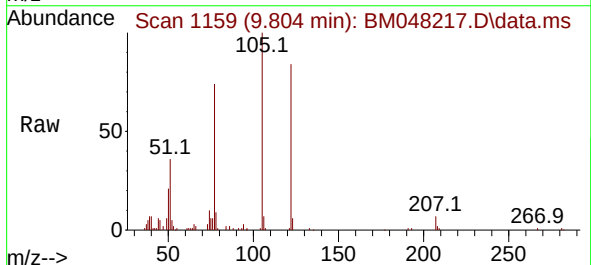
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

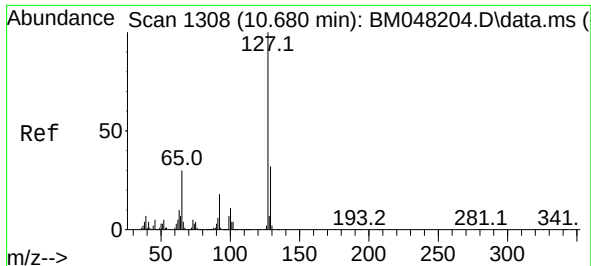
Tgt Ion:128 Resp: 276259
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.2 15.2



#32
Benzoic acid
Concen: 7.791 ng
RT: 9.804 min Scan# 1159
Delta R.T. -0.047 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:122 Resp: 65135
Ion Ratio Lower Upper
122 100
105 119.2 99.3 139.3
77 88.1 70.4 110.4





#33

4-Chloroaniline

Concen: 7.494 ng

RT: 10.680 min Scan# 1308

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 92618

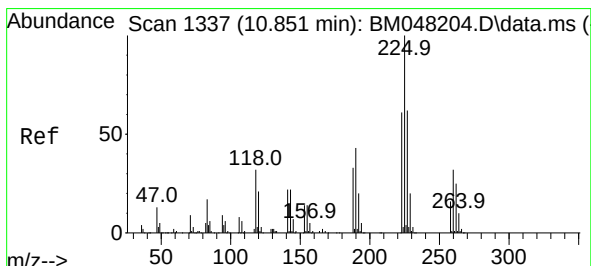
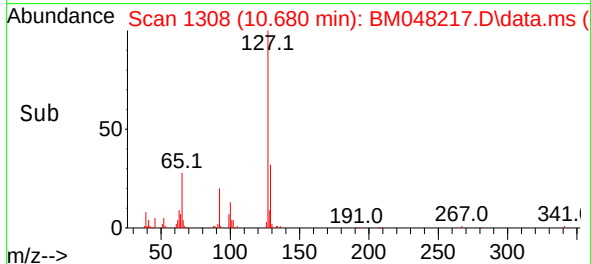
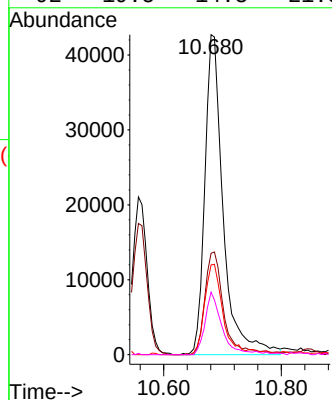
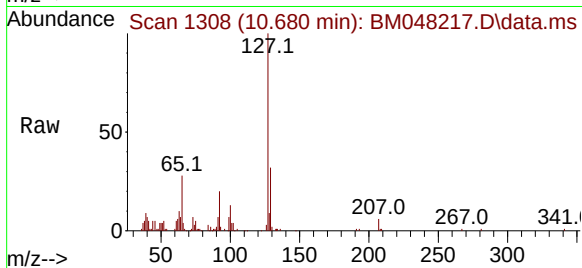
Ion Ratio Lower Upper

127 100

129 31.7 25.8 38.6

65 28.0 23.7 35.5

92 19.5 14.3 21.5



#34

Hexachlorobutadiene

Concen: 7.020 ng

RT: 10.845 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

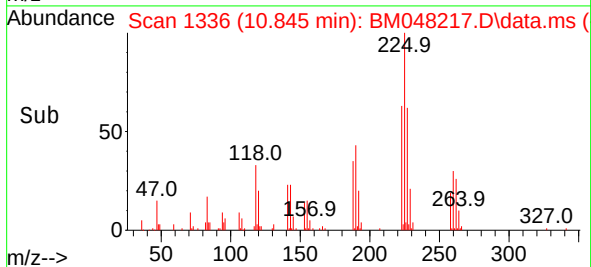
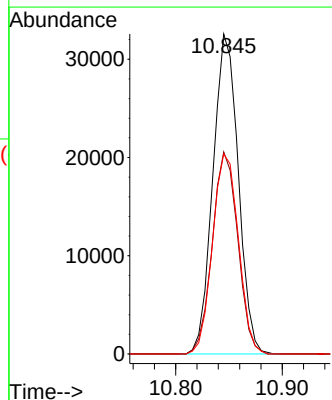
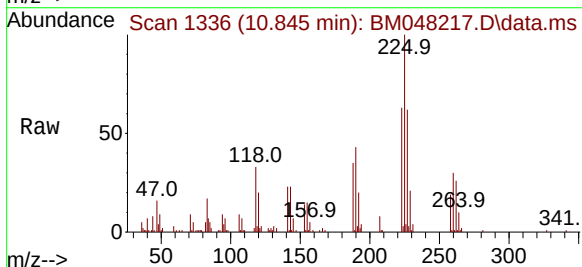
Tgt Ion:225 Resp: 53840

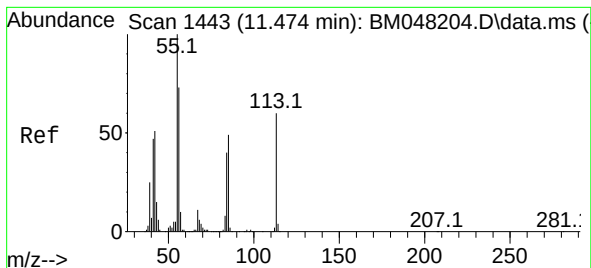
Ion Ratio Lower Upper

225 100

223 63.1 48.6 73.0

227 62.5 49.6 74.4





#35

Caprolactam

Concen: 5.958 ng

RT: 11.457 min Scan# 1443

Delta R.T. -0.018 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

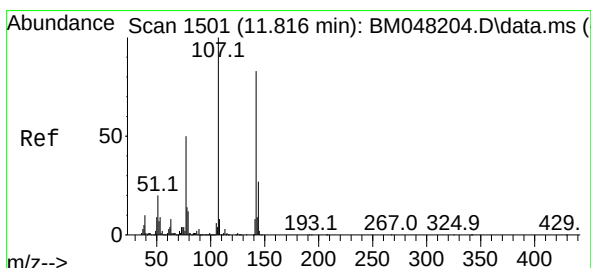
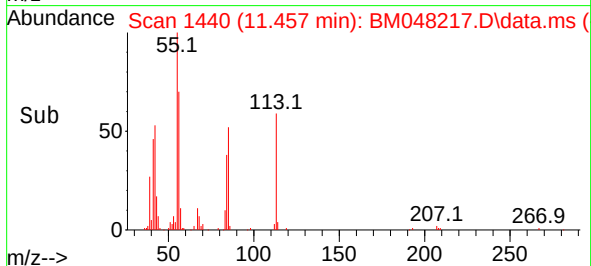
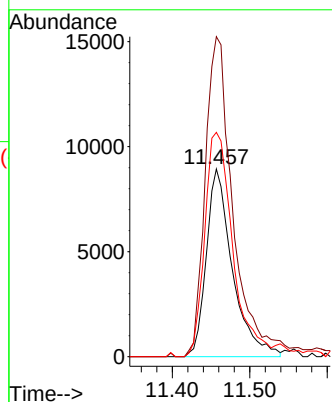
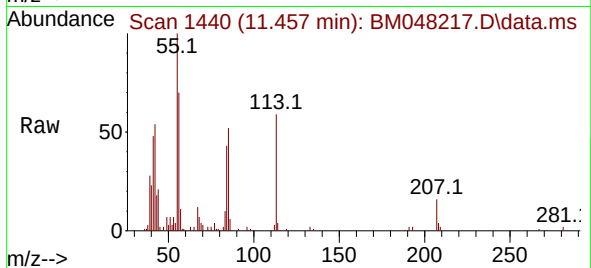
Tgt Ion:113 Resp: 20913

Ion Ratio Lower Upper

113 100

55 170.6 146.1 186.1

56 119.5 101.9 141.9



#36

4-Chloro-3-methylphenol

Concen: 6.531 ng

RT: 11.816 min Scan# 1501

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

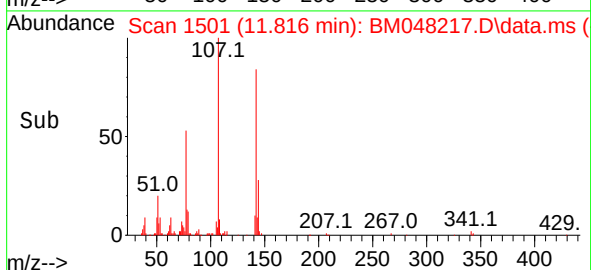
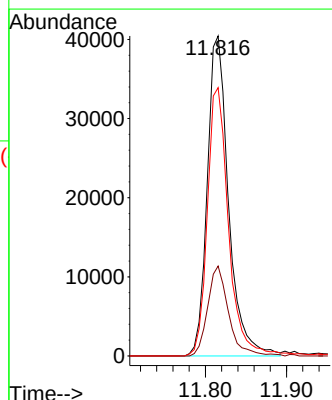
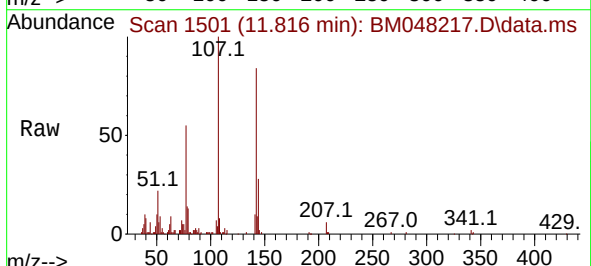
Tgt Ion:107 Resp: 73669

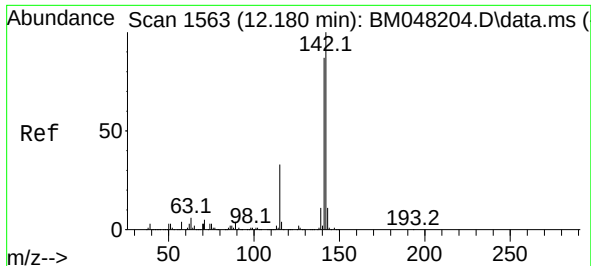
Ion Ratio Lower Upper

107 100

144 28.1 21.5 32.3

142 83.8 66.8 100.2





#37

2-Methylnaphthalene

Concen: 7.163 ng

RT: 12.180 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

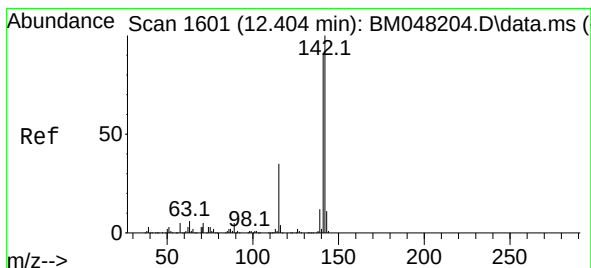
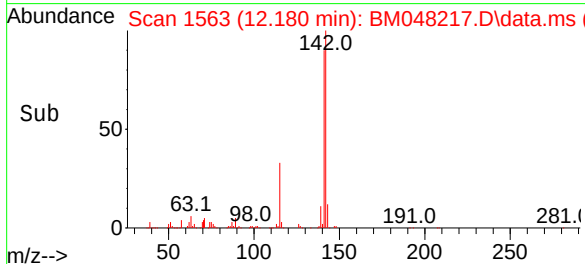
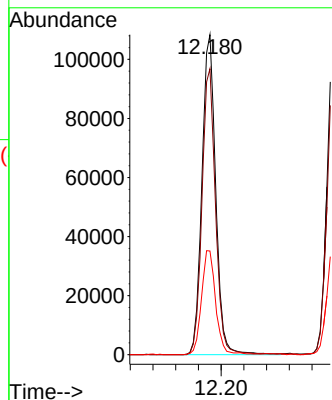
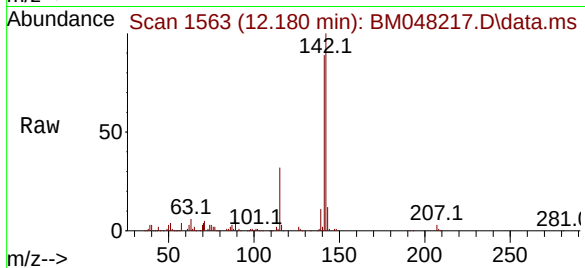
Tgt Ion:142 Resp: 182379

Ion Ratio Lower Upper

142 100

141 89.3 69.8 104.6

115 32.4 26.3 39.5



#38

1-Methylnaphthalene

Concen: 6.689 ng

RT: 12.398 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

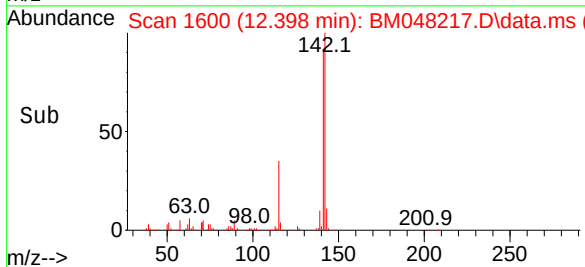
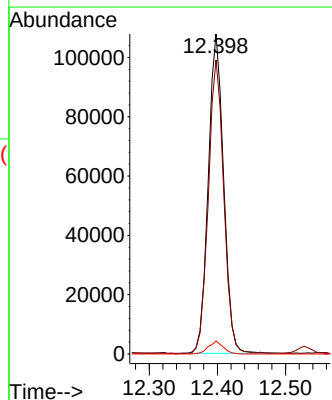
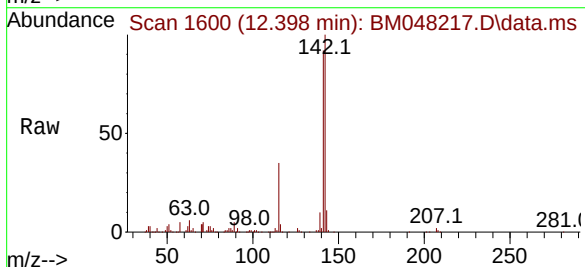
Tgt Ion:142 Resp: 168884

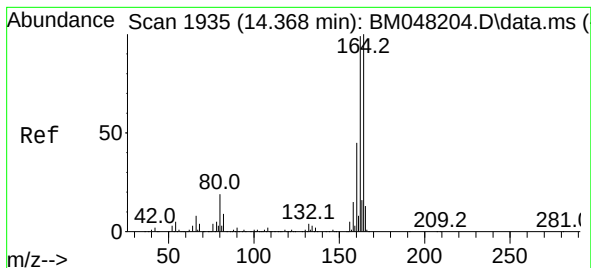
Ion Ratio Lower Upper

142 100

141 91.9 72.7 109.1

116 4.1 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

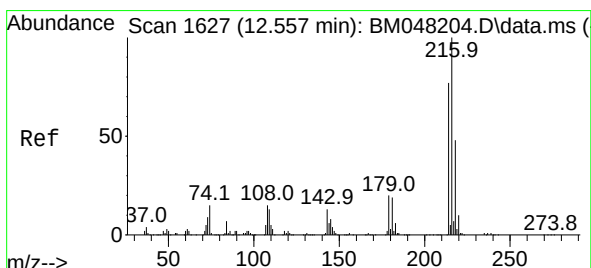
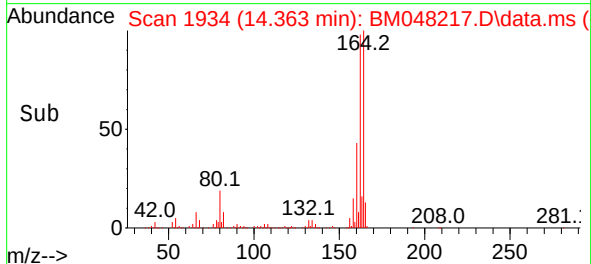
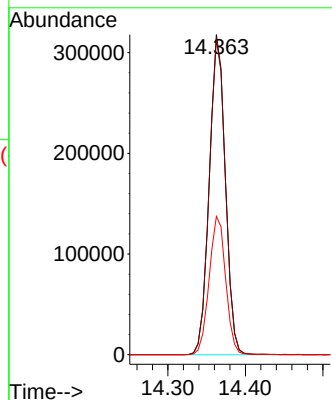
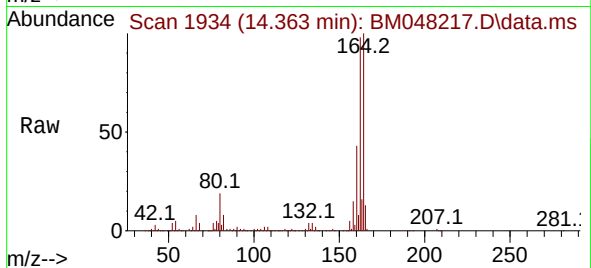
Tgt Ion:164 Resp: 456826

Ion Ratio Lower Upper

164 100

162 98.5 79.1 118.7

160 43.2 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.496 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Tgt Ion:216 Resp: 97870

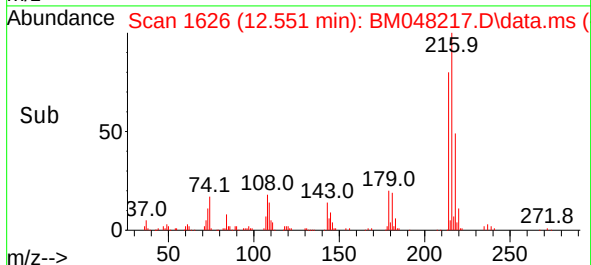
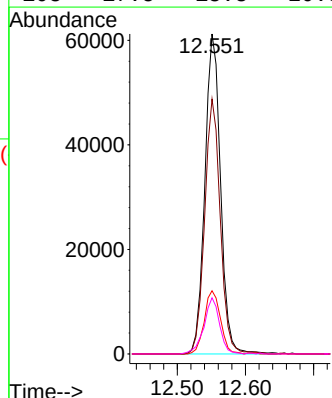
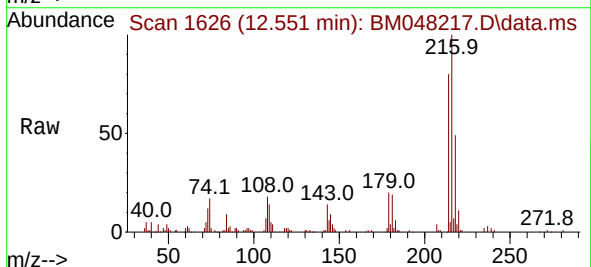
Ion Ratio Lower Upper

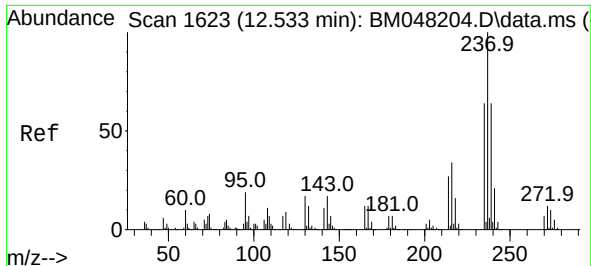
216 100

214 79.5 62.2 93.2

179 20.3 16.0 24.0

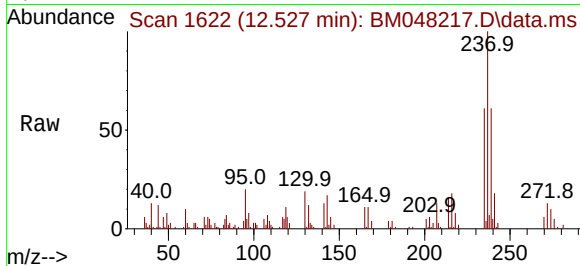
108 17.5 13.8 20.8



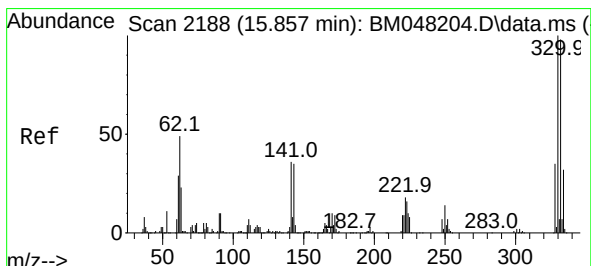
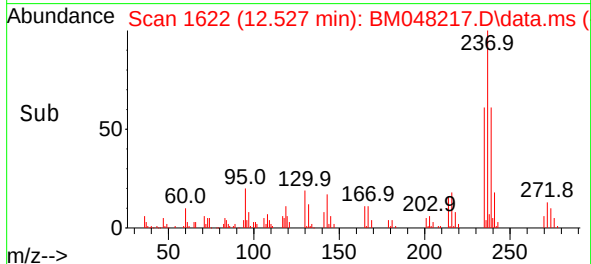
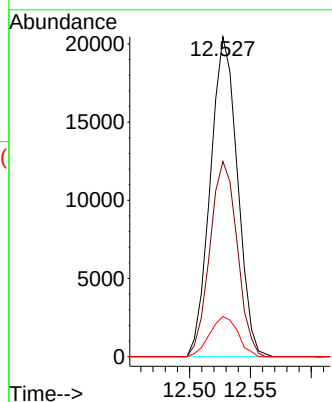


#41
Hexachlorocyclopentadiene
Concen: 7.172 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

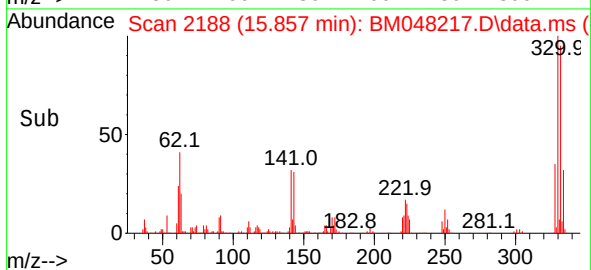
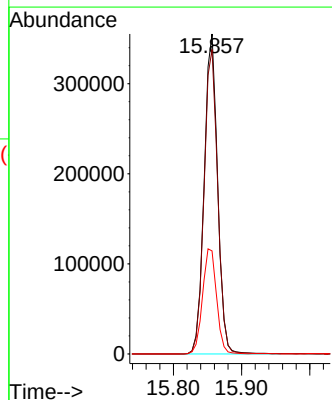
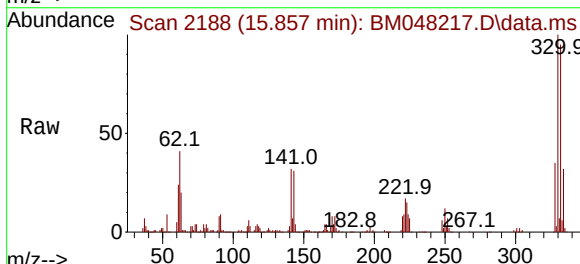


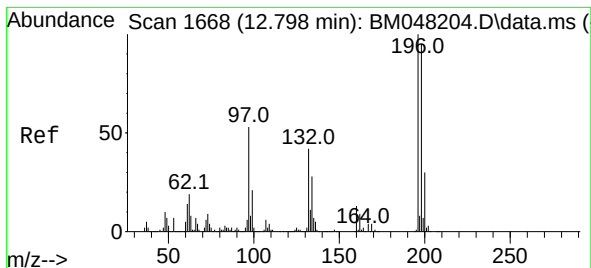
Tgt Ion:237 Resp: 31691
Ion Ratio Lower Upper
237 100
235 61.0 44.2 84.2
272 12.6 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 86.943 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:330 Resp: 486149
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 34.4 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 6.707 ng

RT: 12.798 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

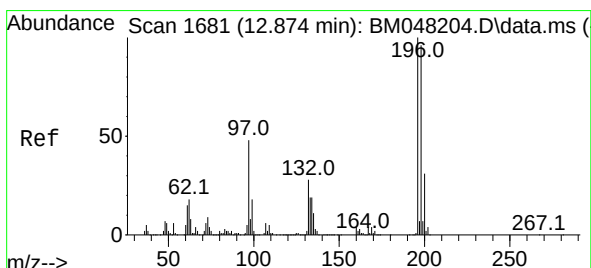
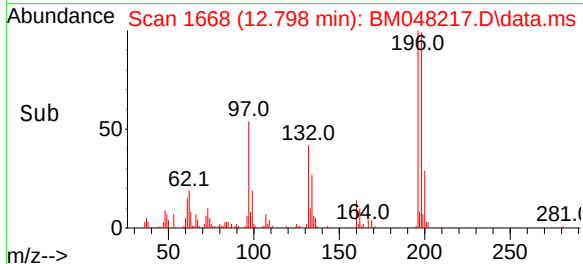
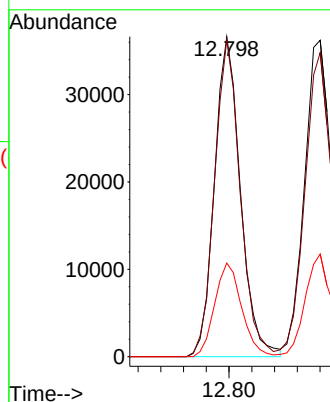
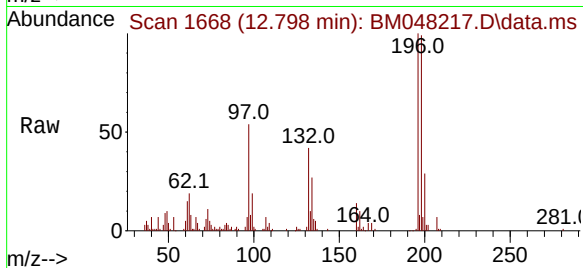
Tgt Ion:196 Resp: 58115

Ion Ratio Lower Upper

196 100

198 99.0 76.2 114.2

200 29.2 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 6.559 ng

RT: 12.880 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Tgt Ion:196 Resp: 63378

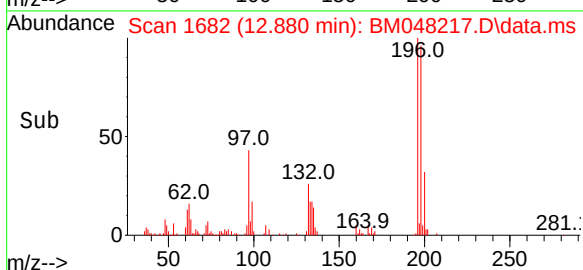
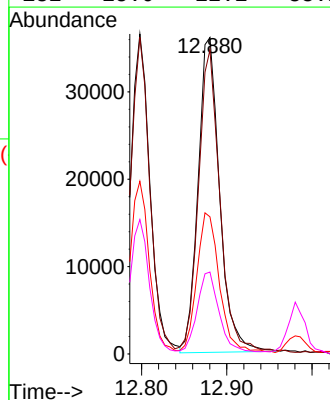
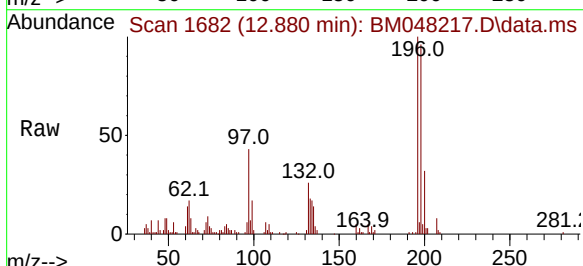
Ion Ratio Lower Upper

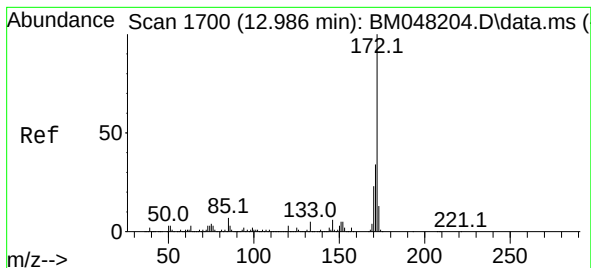
196 100

198 96.1 76.7 115.1

97 43.3 38.5 57.7

132 25.9 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 61.870 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

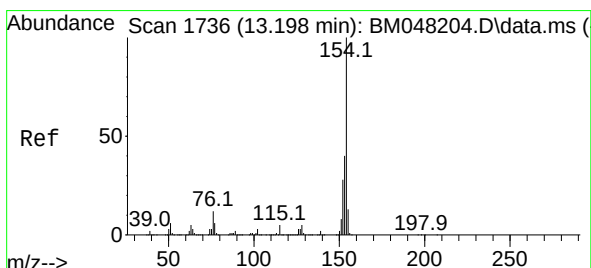
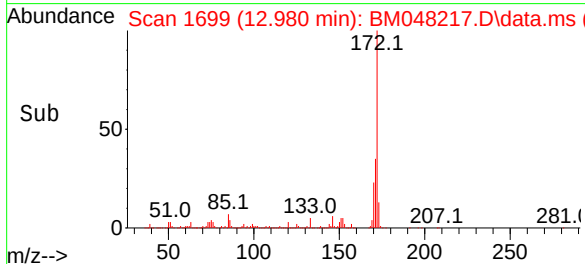
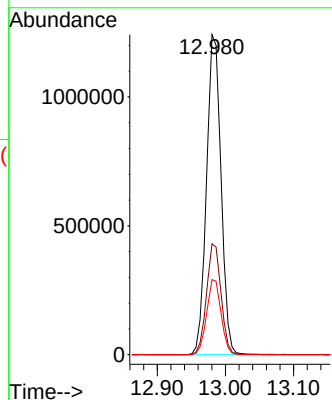
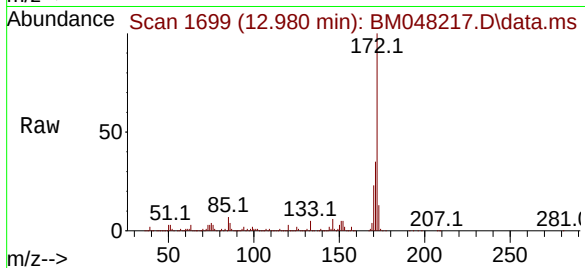
Tgt Ion:172 Resp: 1841888

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

170 23.5 18.5 27.7



#46

1,1'-Biphenyl

Concen: 7.579 ng

RT: 13.192 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

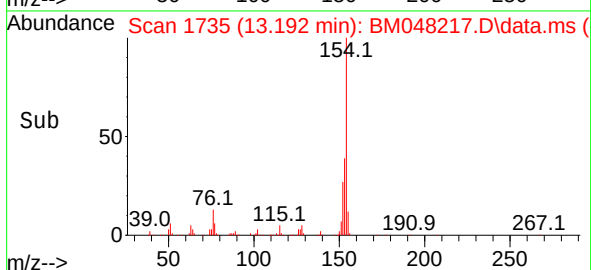
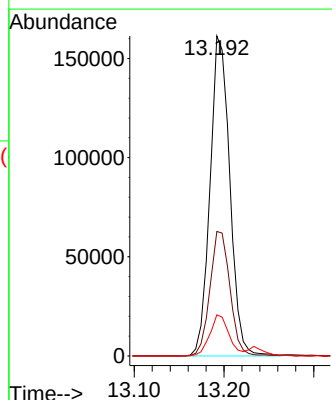
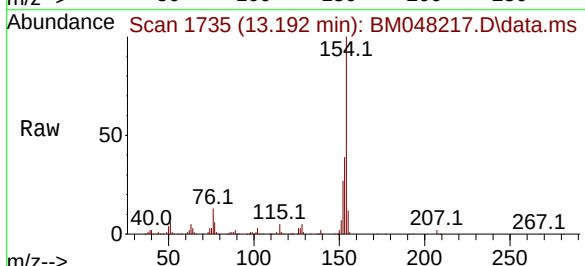
Tgt Ion:154 Resp: 247205

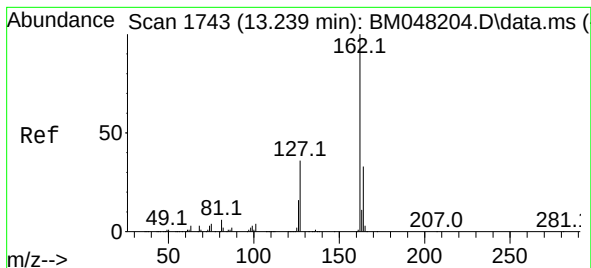
Ion Ratio Lower Upper

154 100

153 38.9 19.9 59.9

76 12.9 0.0 32.4





#47

2-Chloronaphthalene

Concen: 7.237 ng

RT: 13.239 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

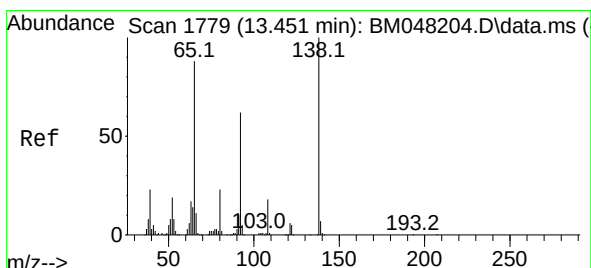
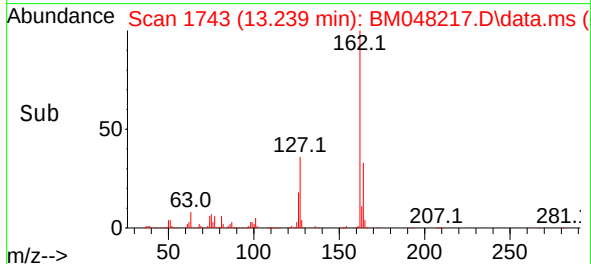
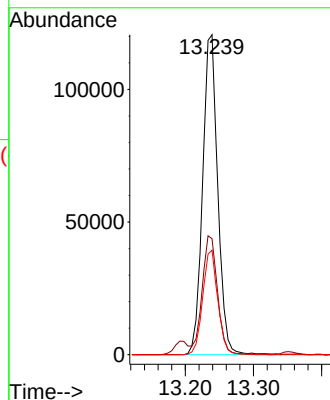
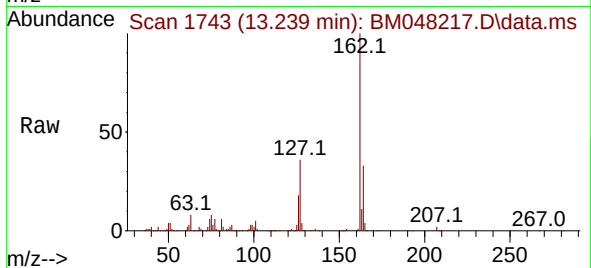
Tgt Ion:162 Resp: 186120

Ion Ratio Lower Upper

162 100

127 36.2 31.0 46.6

164 32.6 26.2 39.4



#48

2-Nitroaniline

Concen: 6.296 ng

RT: 13.451 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

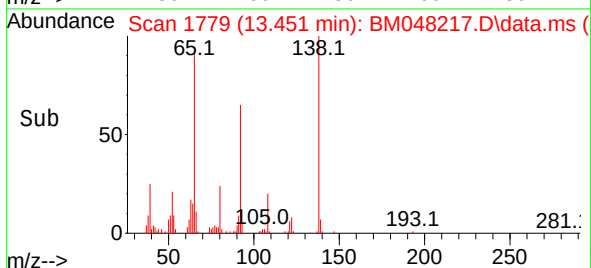
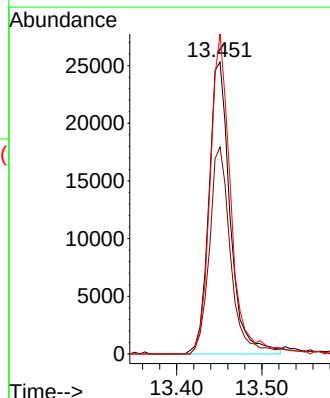
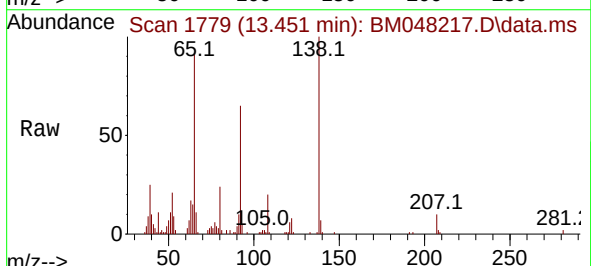
Tgt Ion: 65 Resp: 43915

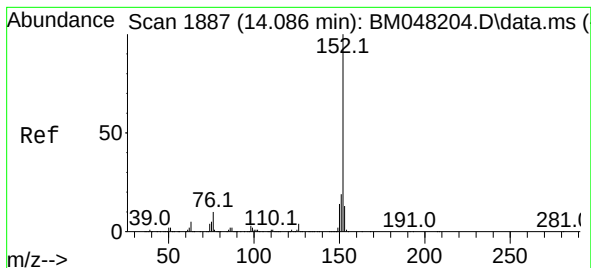
Ion Ratio Lower Upper

65 100

92 70.9 56.0 84.0

138 109.6 90.8 136.2





#49

Acenaphthylene

Concen: 7.649 ng

RT: 14.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

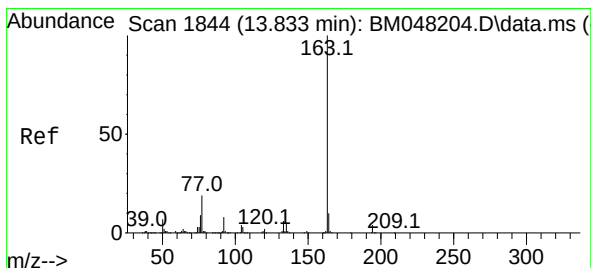
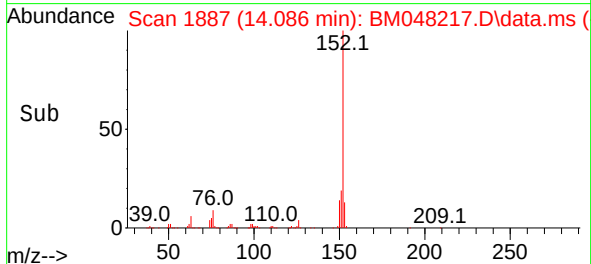
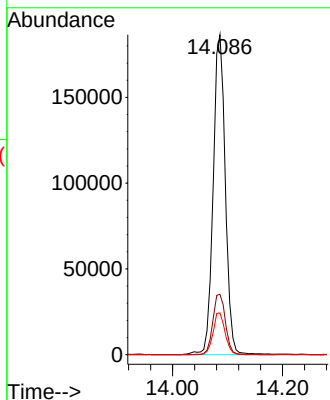
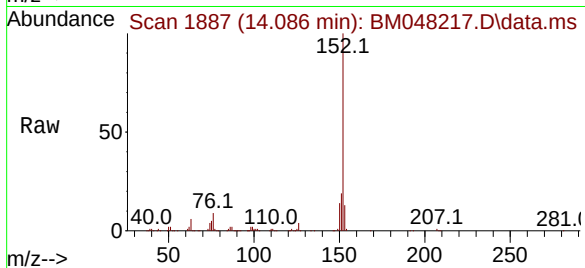
Tgt Ion:152 Resp: 286990

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.2

153 13.1 10.5 15.7



#50

Dimethylphthalate

Concen: 7.274 ng

RT: 13.821 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

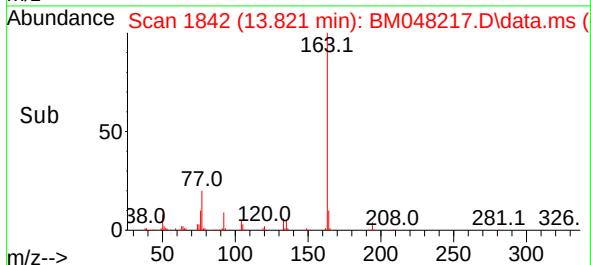
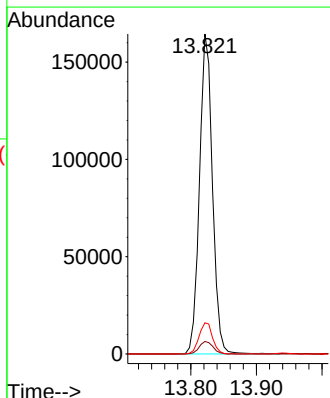
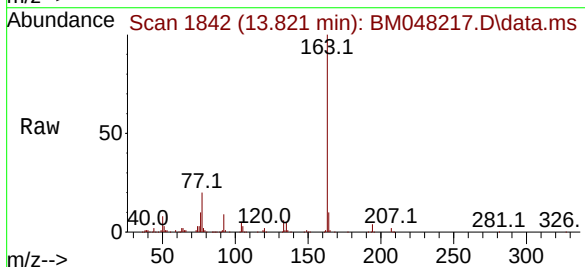
Tgt Ion:163 Resp: 226854

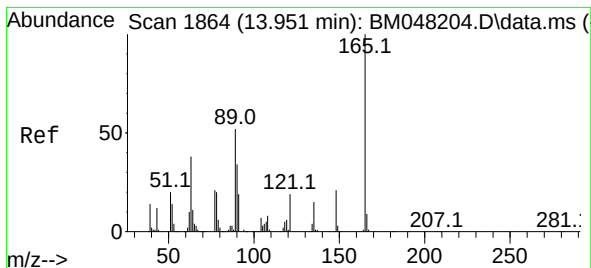
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.8 7.8 11.6

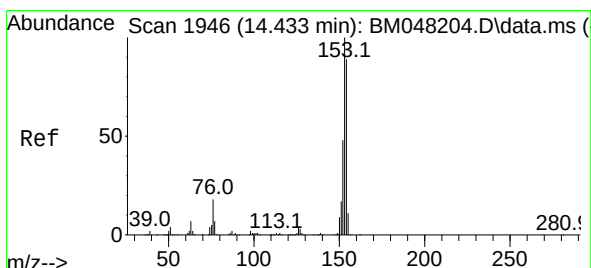
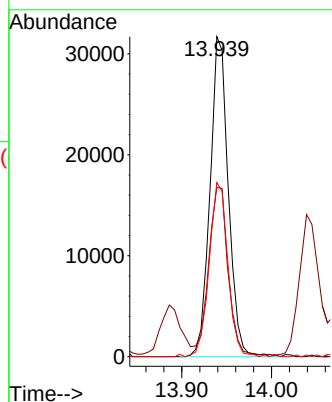
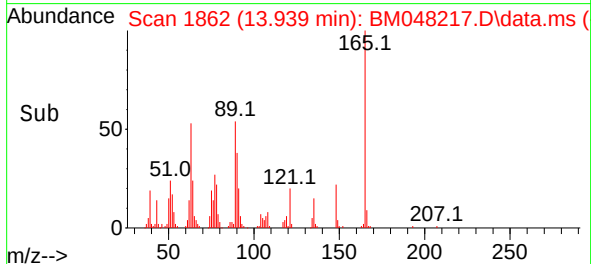
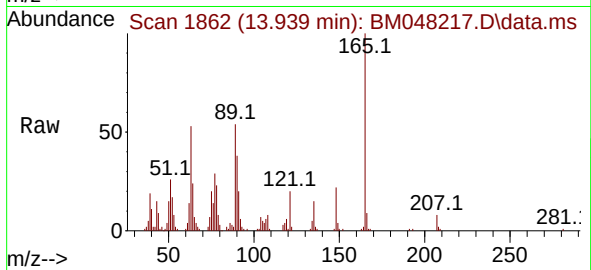




#51
2,6-Dinitrotoluene
Concen: 6.452 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

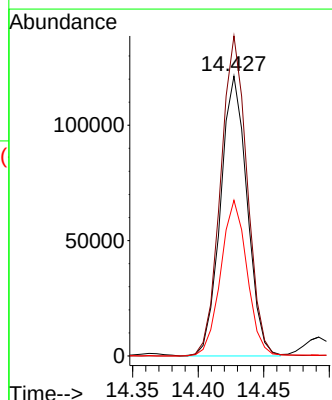
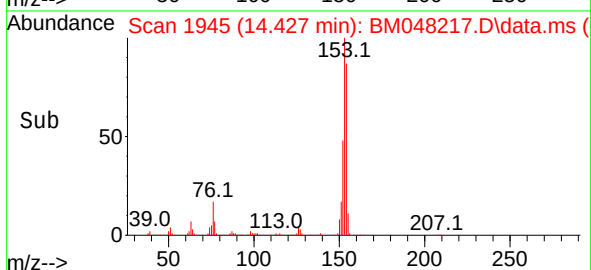
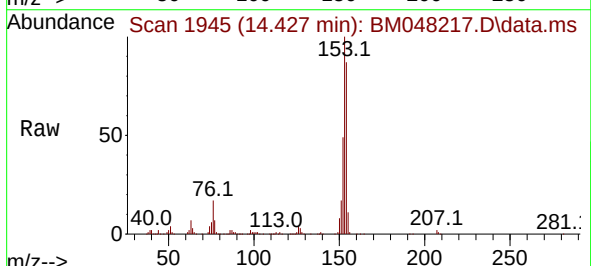
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

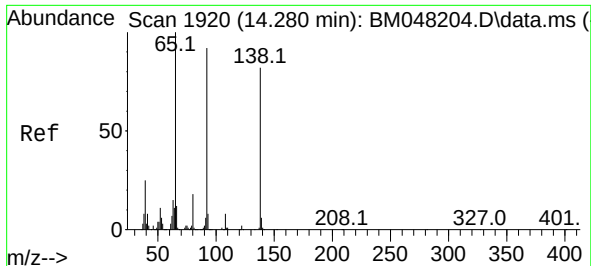
Tgt Ion:165 Resp: 44898
Ion Ratio Lower Upper
165 100
63 52.9 39.5 59.3
89 54.4 41.8 62.6



#52
Acenaphthene
Concen: 7.183 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:154 Resp: 171252
Ion Ratio Lower Upper
154 100
153 114.3 90.4 135.6
152 55.6 43.6 65.4

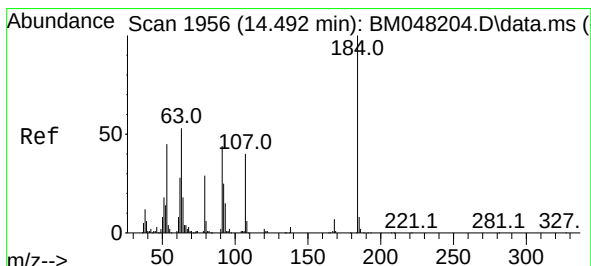
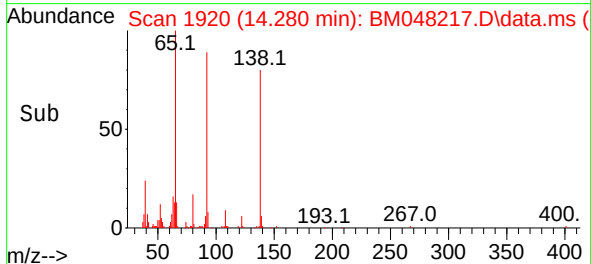
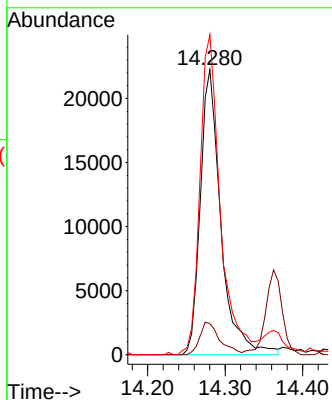
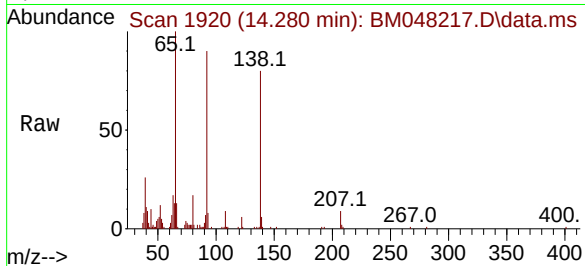




#53
3-Nitroaniline
Concen: 6.240 ng
RT: 14.280 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

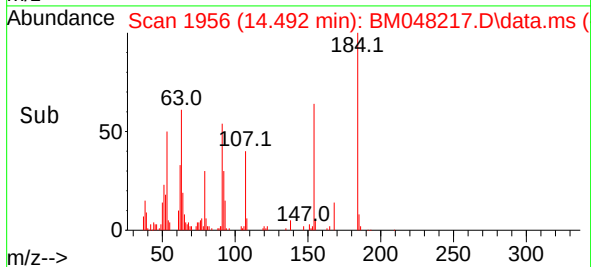
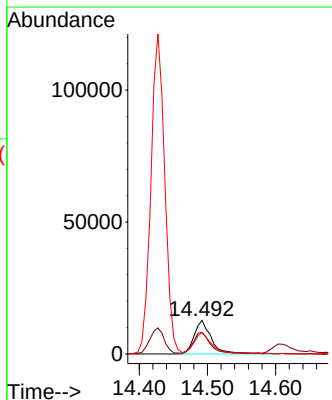
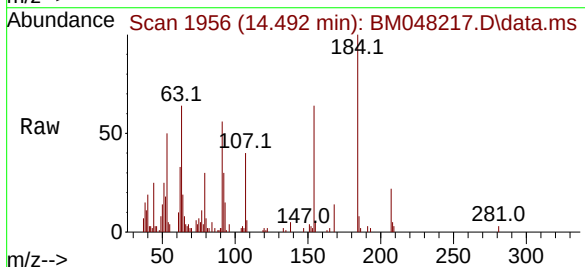
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

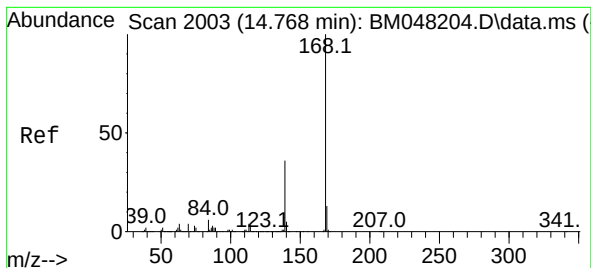
Tgt Ion:138 Resp: 40948
Ion Ratio Lower Upper
138 100
108 10.9 7.5 11.3
92 112.3 89.7 134.5



#54
2,4-Dinitrophenol
Concen: 5.474 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:184 Resp: 22257
Ion Ratio Lower Upper
184 100
63 64.1 47.2 70.8
154 64.3 46.0 69.0





#55

Dibenzenofuran

Concen: 7.541 ng

RT: 14.762 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

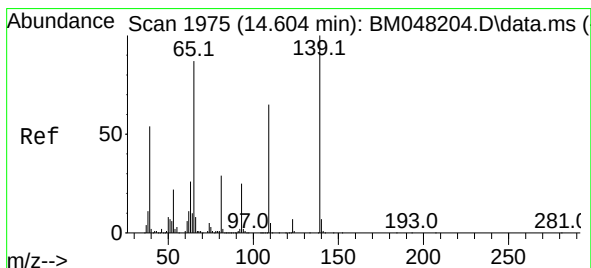
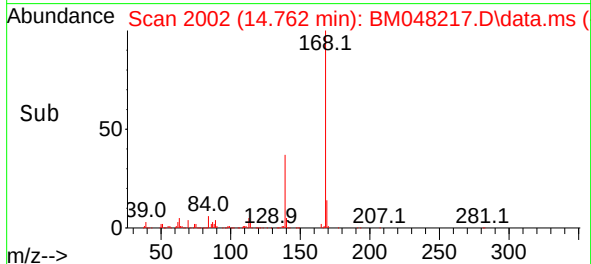
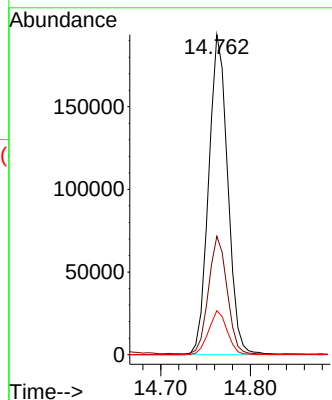
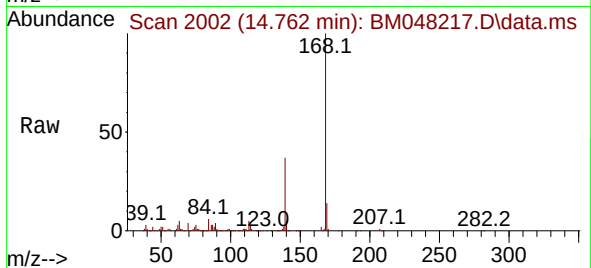
Tgt Ion:168 Resp: 285608

Ion Ratio Lower Upper

168 100

139 37.0 29.0 43.6

169 13.7 10.4 15.6



#56

4-Nitrophenol

Concen: 5.177 ng

RT: 14.610 min Scan# 1976

Delta R.T. 0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

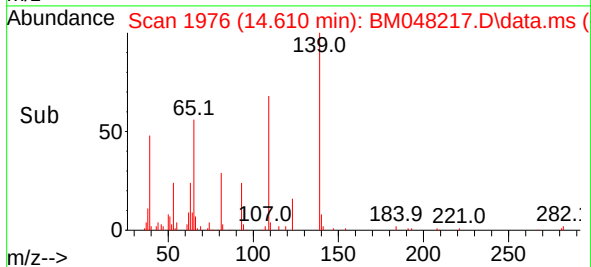
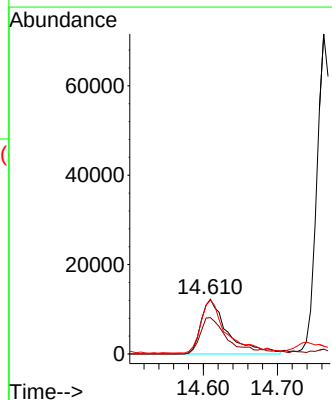
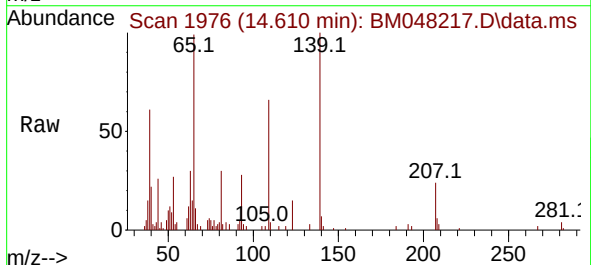
Tgt Ion:139 Resp: 30321

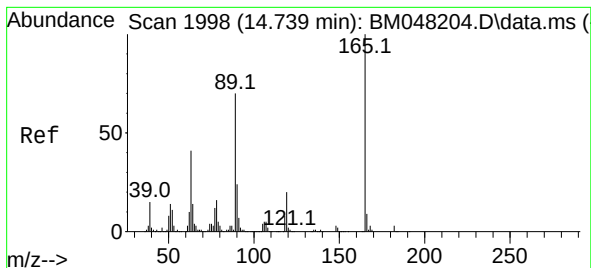
Ion Ratio Lower Upper

139 100

109 66.5 45.4 85.4

65 98.7 67.3 107.3





#57

2,4-Dinitrotoluene

Concen: 6.071 ng

RT: 14.739 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 55787

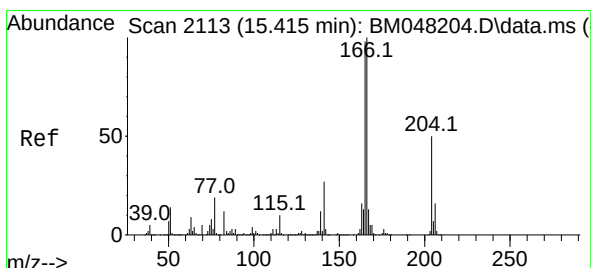
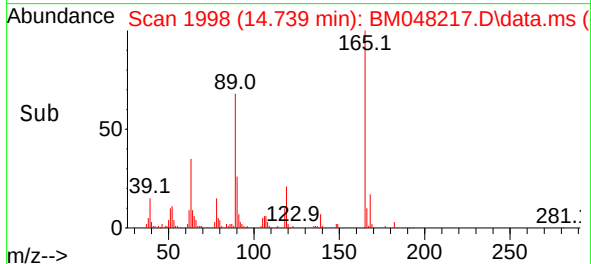
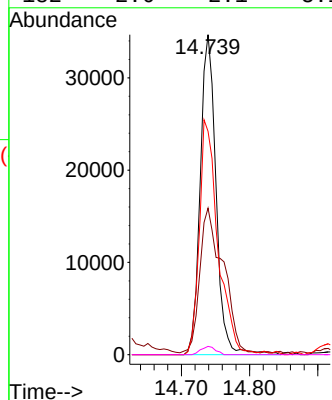
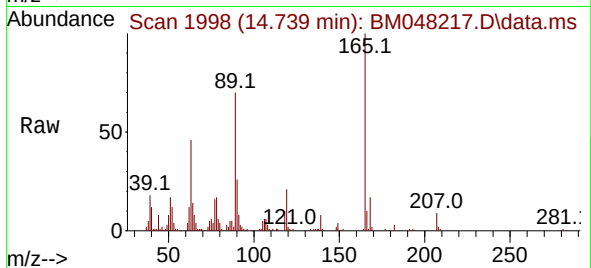
Ion Ratio Lower Upper

165 100

63 45.8 33.0 49.4

89 69.8 55.8 83.6

182 2.6 2.1 3.1



#58

Fluorene

Concen: 7.389 ng

RT: 15.410 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

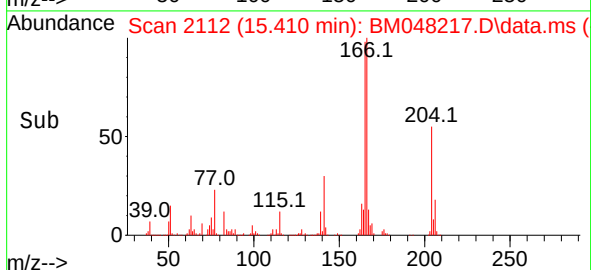
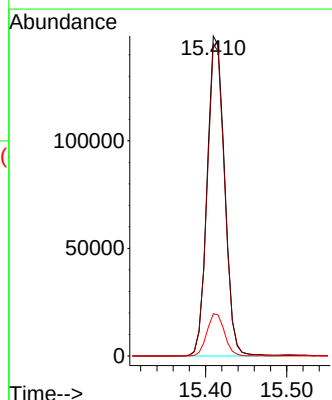
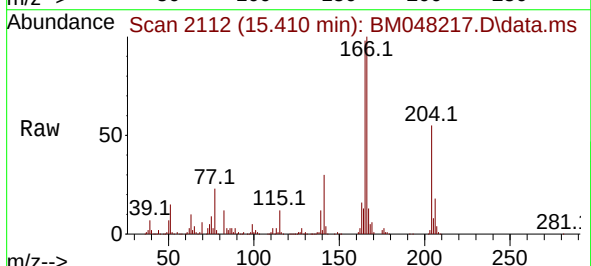
Tgt Ion:166 Resp: 221312

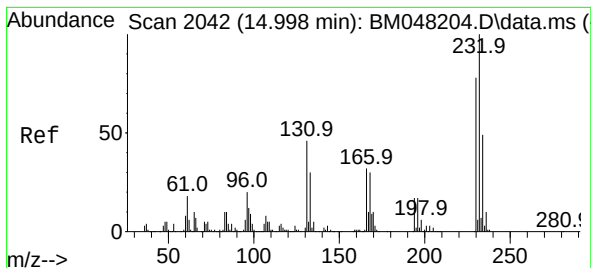
Ion Ratio Lower Upper

166 100

165 97.5 78.4 117.6

167 13.2 10.8 16.2

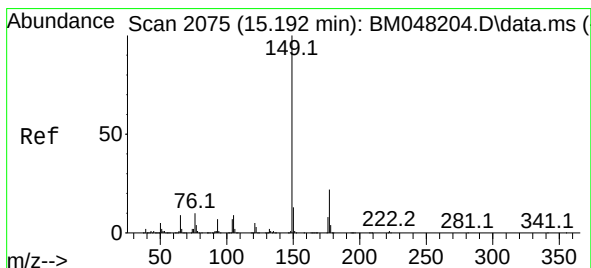
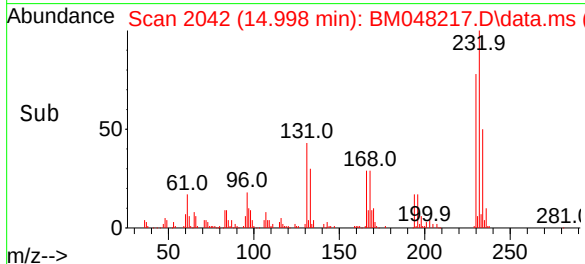
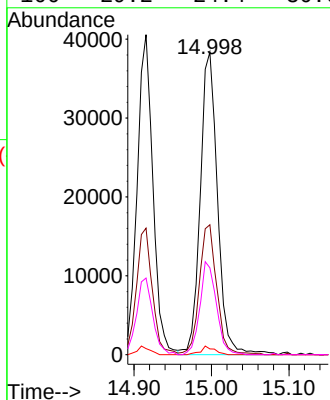
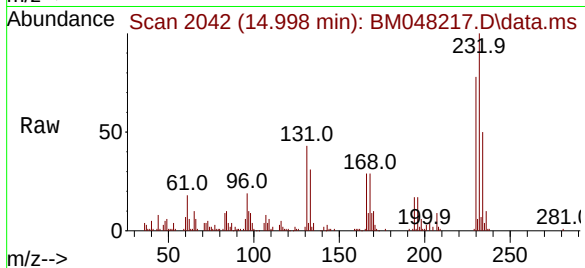




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.430 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

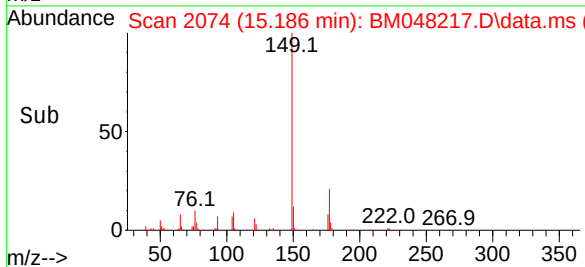
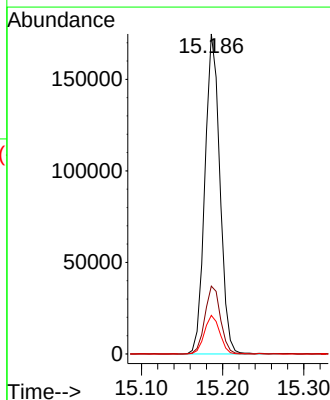
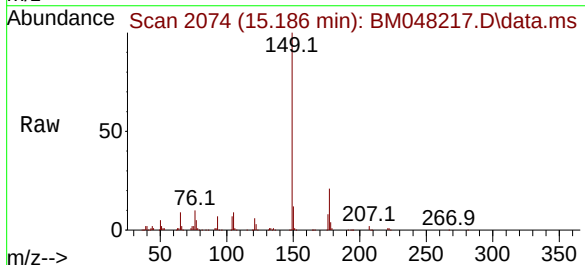
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

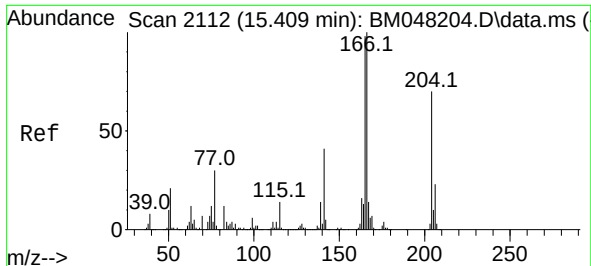
Tgt Ion:	232	Resp:	59512
Ion Ratio	Lower	Upper	
232	100		
131	43.1	35.5	53.3
130	2.2	1.8	2.6
166	29.2	24.4	36.6



#60
Diethylphthalate
Concen: 7.064 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:	149	Resp:	223063
Ion Ratio	Lower	Upper	
149	100		
177	21.2	17.5	26.3
150	12.0	10.1	15.1

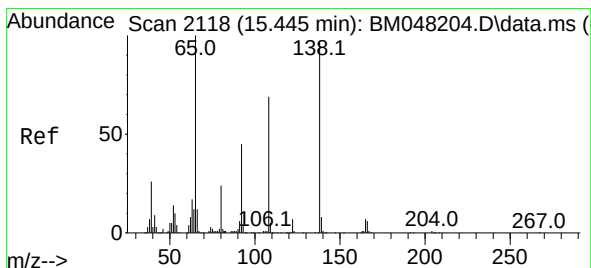
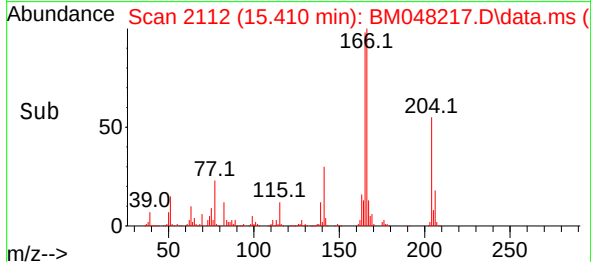
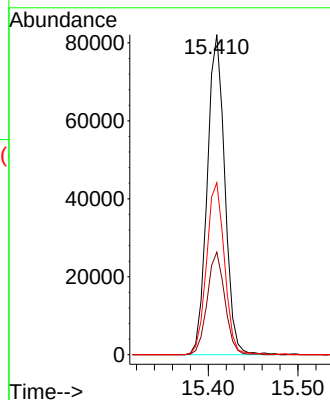
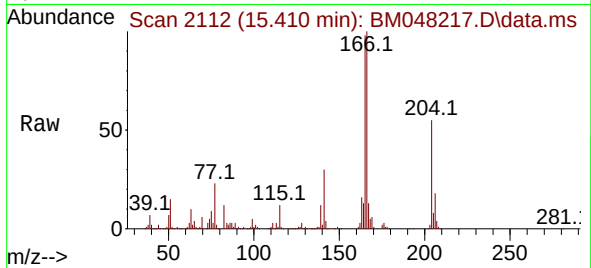




#61
4-Chlorophenyl-phenylether
Concen: 7.449 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

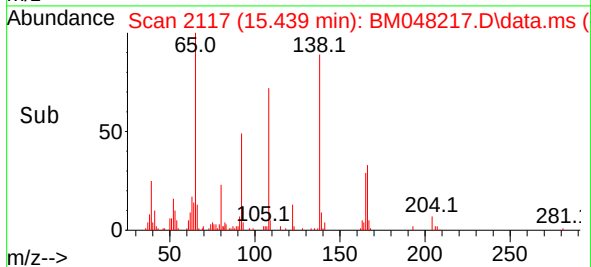
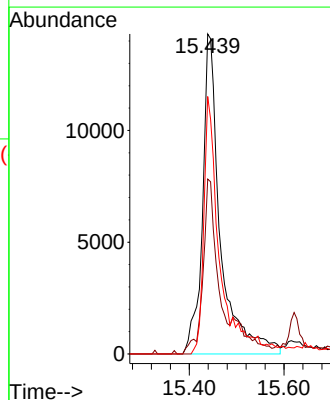
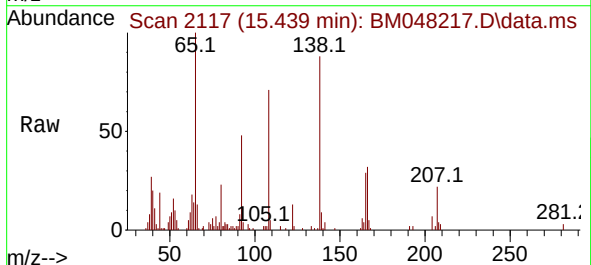
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

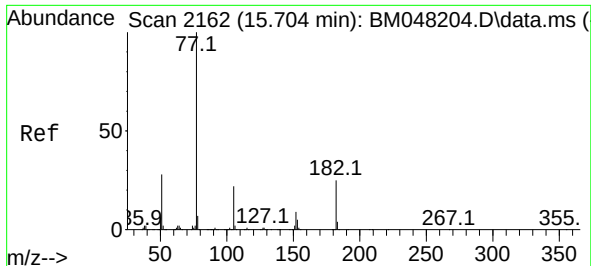
Tgt Ion:204 Resp: 111545
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.4
141 53.8 47.0 70.6



#62
4-Nitroaniline
Concen: 5.552 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:138 Resp: 37705
Ion Ratio Lower Upper
138 100
92 54.6 26.9 66.9
108 80.4 51.3 91.3

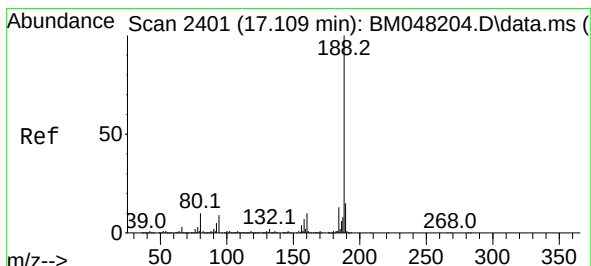
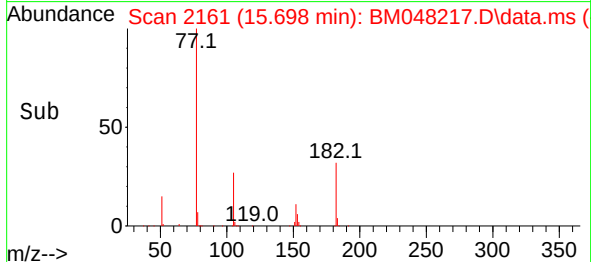
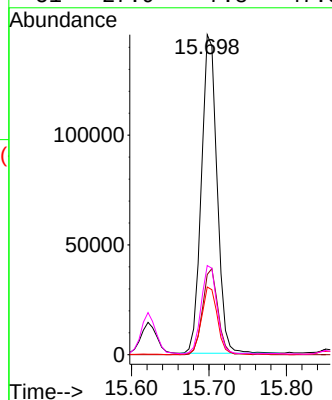
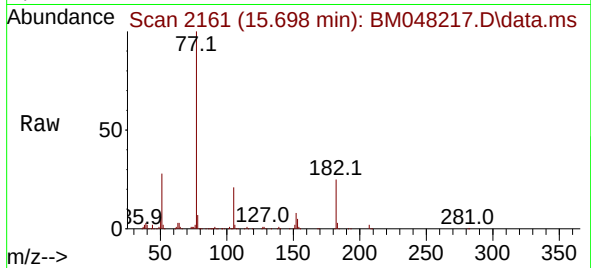




#63
Azobenzene
Concen: 7.184 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

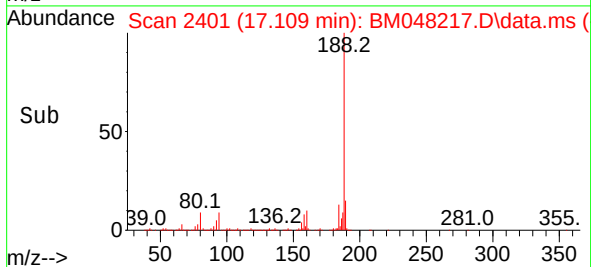
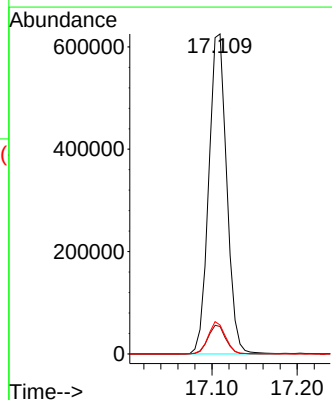
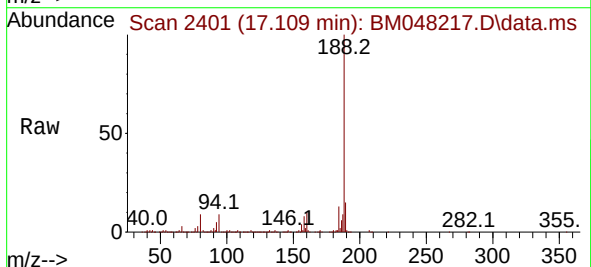
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

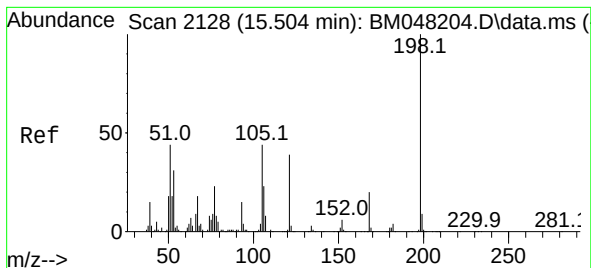
Tgt Ion: 77 Resp: 203318
Ion Ratio Lower Upper
77 100
182 25.1 5.3 45.3
105 21.2 1.6 41.6
51 27.9 7.8 47.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:188 Resp: 915080
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 9.0 8.0 12.0

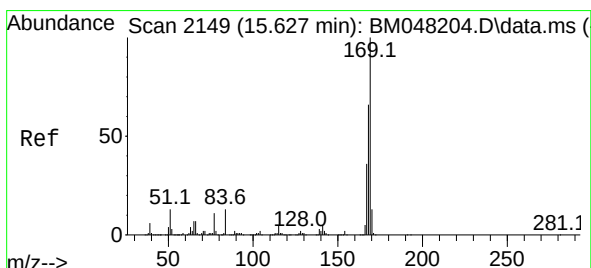
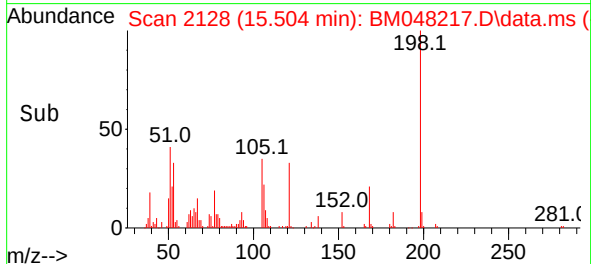
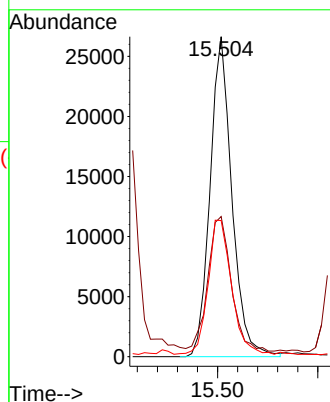
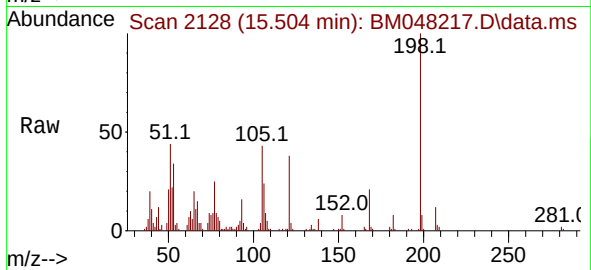




#65
4,6-Dinitro-2-methylphenol
Concen: 7.576 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

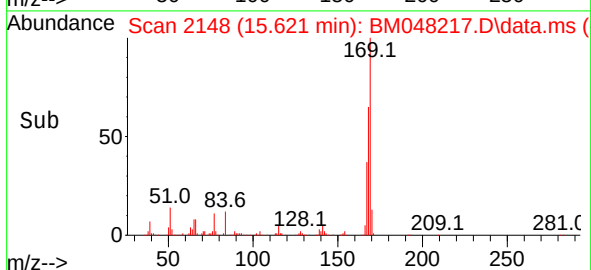
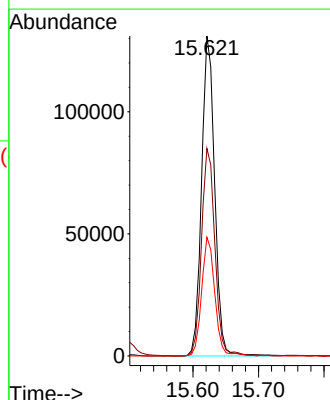
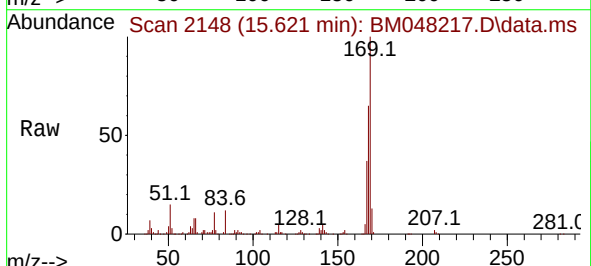
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

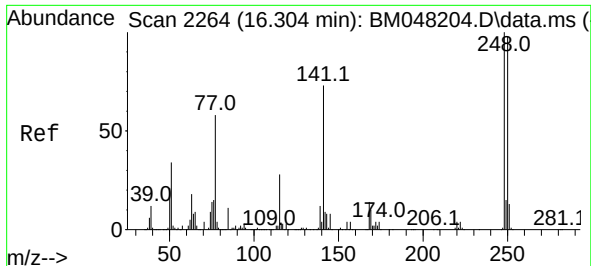
Tgt Ion:198 Resp: 40225
Ion Ratio Lower Upper
198 100
51 43.8 25.4 65.4
105 42.6 23.9 63.9



#66
n-Nitrosodiphenylamine
Concen: 7.262 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:169 Resp: 182431
Ion Ratio Lower Upper
169 100
168 64.8 52.9 79.3
167 37.1 29.3 43.9

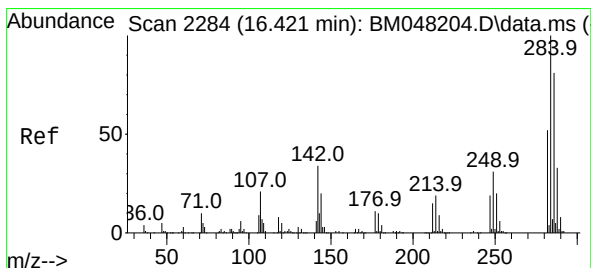
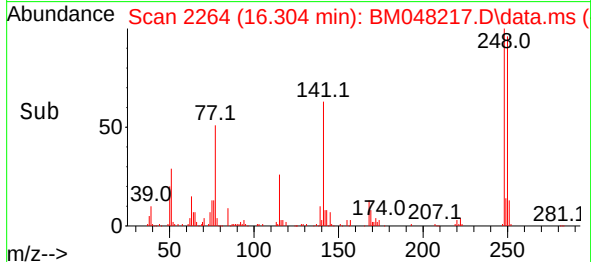
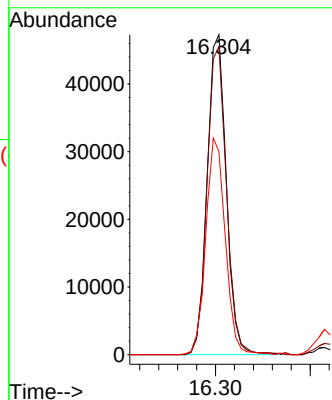
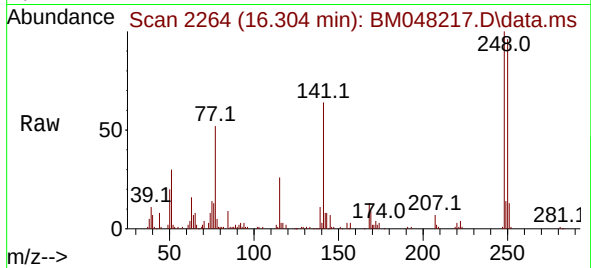




#67
4-Bromophenyl-phenylether
Concen: 7.130 ng
RT: 16.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

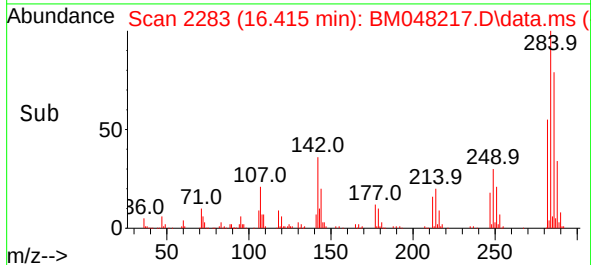
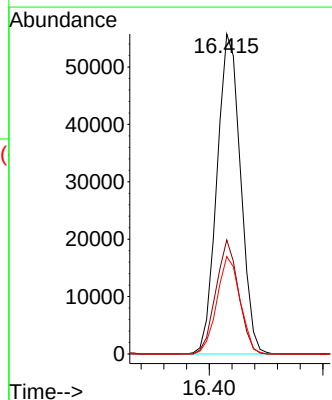
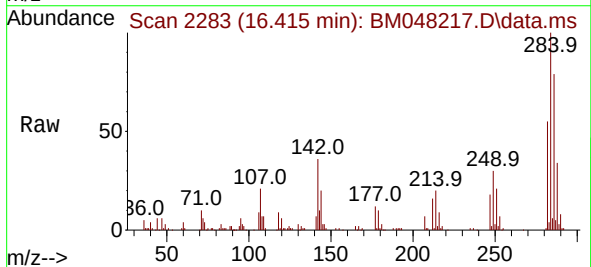
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

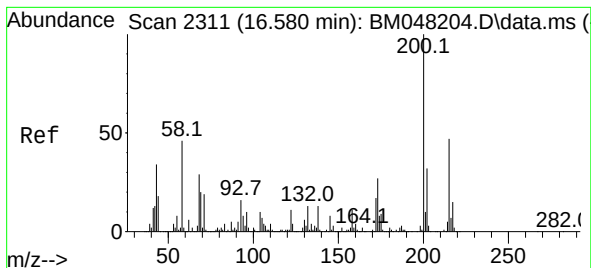
Tgt Ion:248 Resp: 66151
Ion Ratio Lower Upper
248 100
250 96.2 78.3 117.5
141 63.5 58.0 87.0



#68
Hexachlorobenzene
Concen: 7.218 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:284 Resp: 80436
Ion Ratio Lower Upper
284 100
142 35.7 27.0 40.4
249 30.4 24.6 36.8





#69

Atrazine

Concen: 8.737 ng

RT: 16.574 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

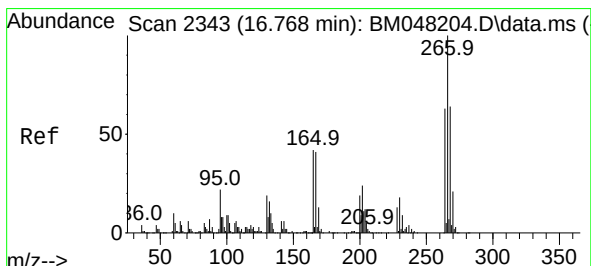
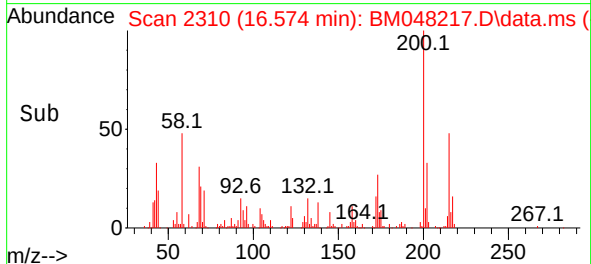
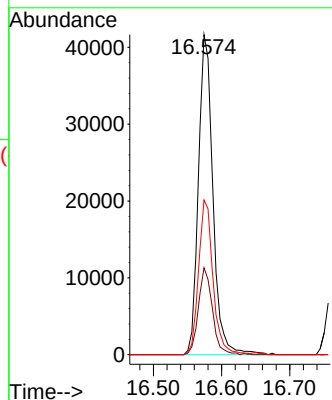
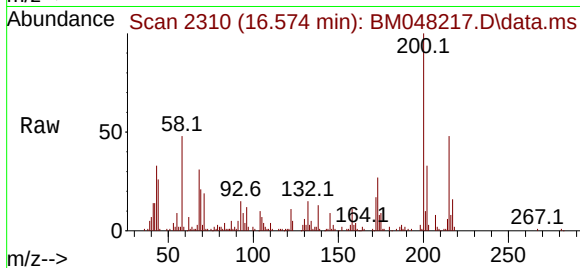
Tgt Ion:200 Resp: 61411

Ion Ratio Lower Upper

200 100

173 27.2 6.5 46.5

215 48.3 27.2 67.2



#70

Pentachlorophenol

Concen: 11.644 ng

RT: 16.762 min Scan# 2342

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

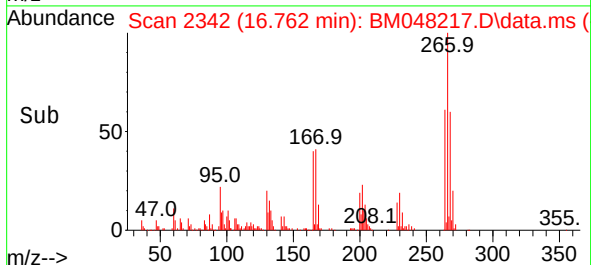
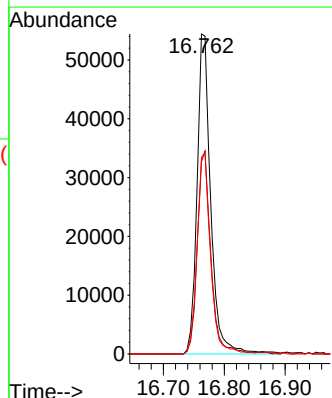
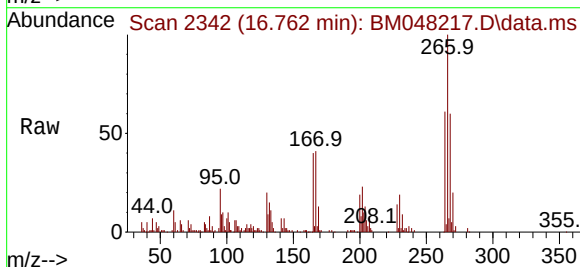
Tgt Ion:266 Resp: 85185

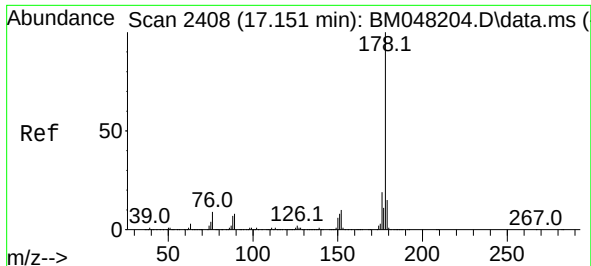
Ion Ratio Lower Upper

266 100

268 60.1 50.8 76.2

264 61.4 50.2 75.2

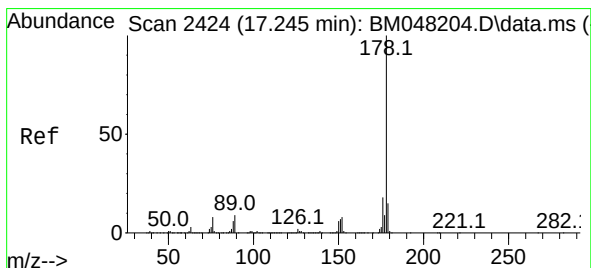
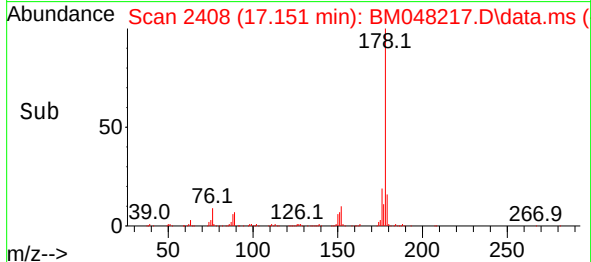
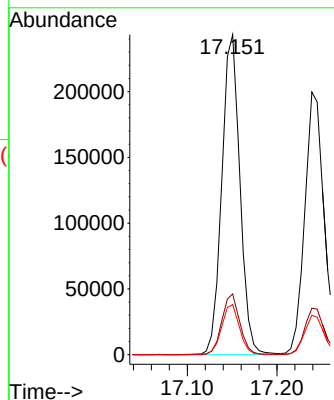
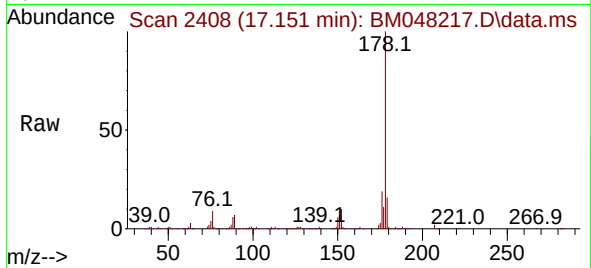




#71
Phenanthrene
Concen: 7.531 ng
RT: 17.151 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

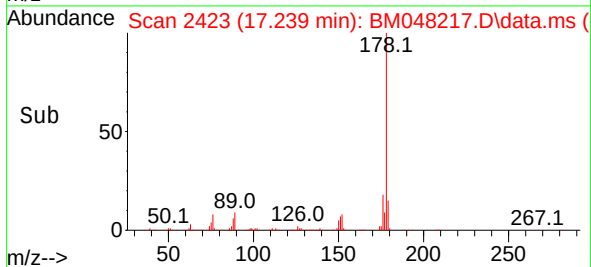
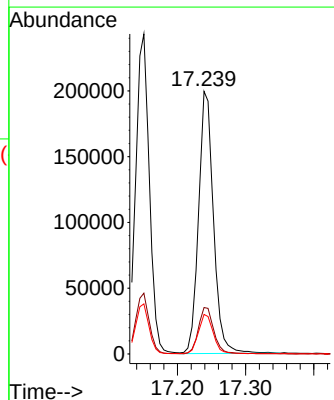
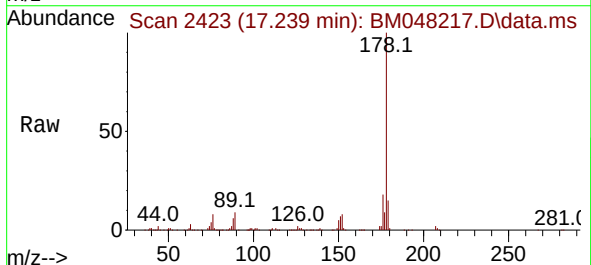
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

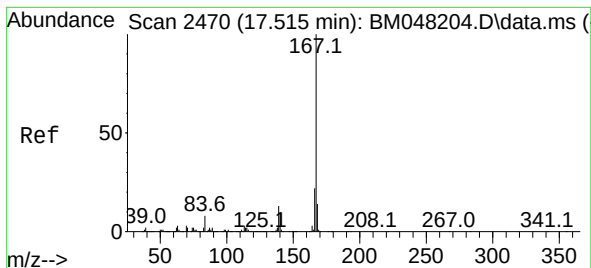
Tgt Ion:178 Resp: 341230
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 6.926 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:178 Resp: 303803
Ion Ratio Lower Upper
178 100
176 17.7 14.8 22.2
179 15.0 12.2 18.2





#73

Carbazole

Concen: 6.964 ng

RT: 17.515 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

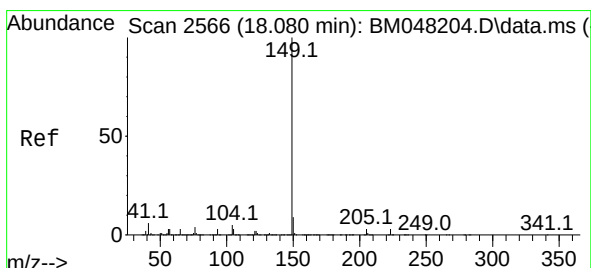
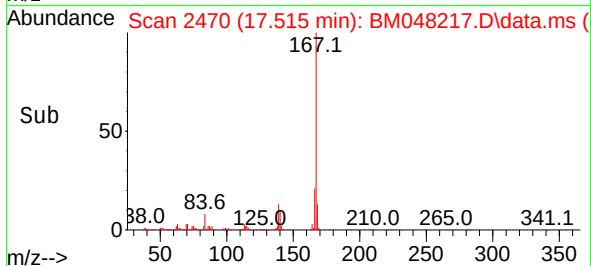
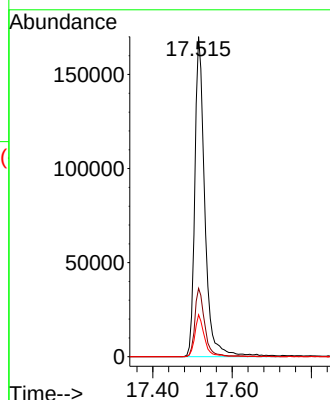
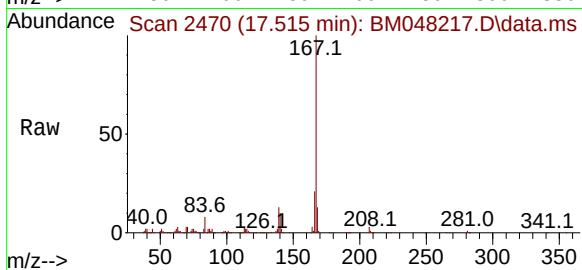
Tgt Ion:167 Resp: 299461

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 13.1 10.4 15.6



#74

Di-n-butylphthalate

Concen: 6.707 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

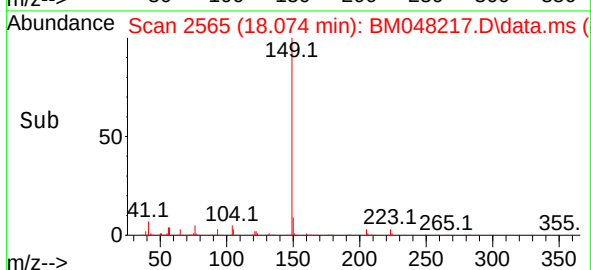
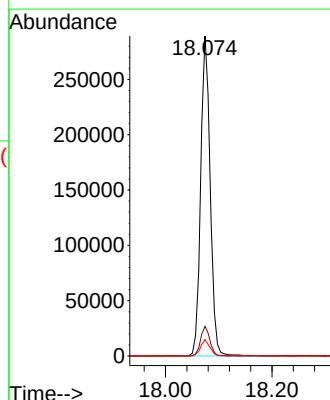
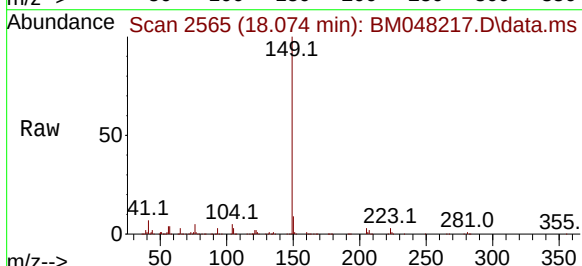
Tgt Ion:149 Resp: 358975

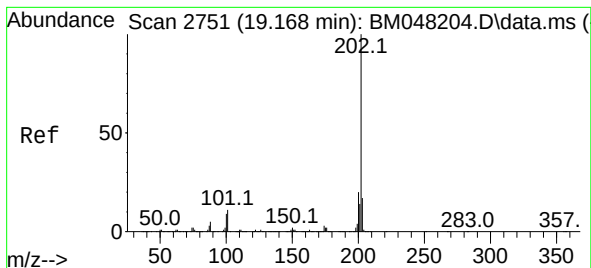
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 5.1 3.8 5.6

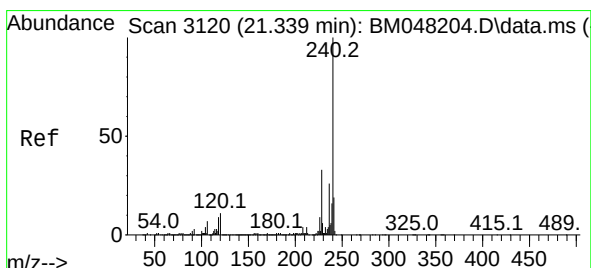
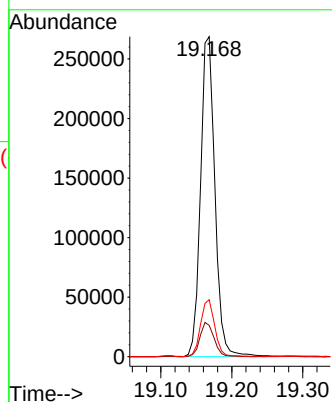
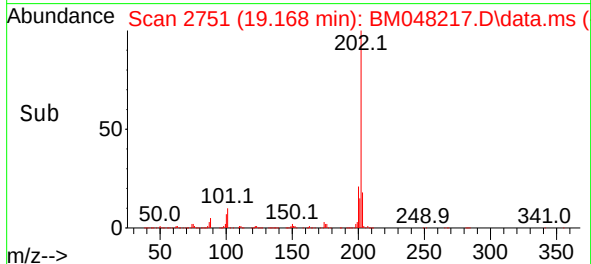
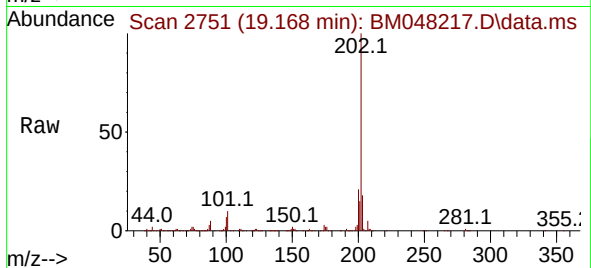




#75
Fluoranthene
Concen: 7.028 ng
RT: 19.168 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

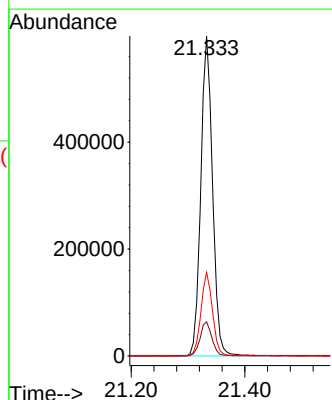
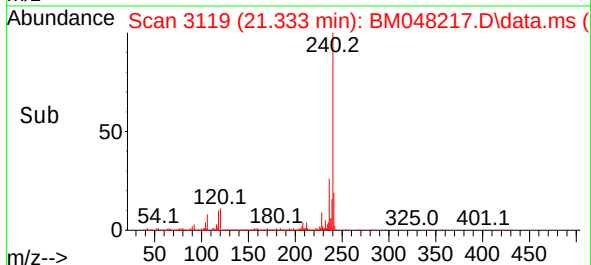
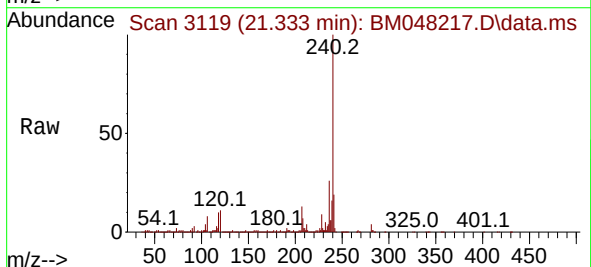
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

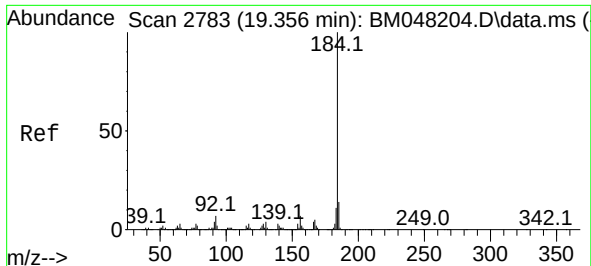
Tgt Ion:202 Resp: 379899
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:240 Resp: 860079
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 26.1 20.7 31.1

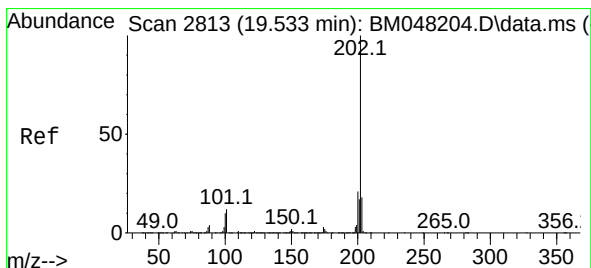
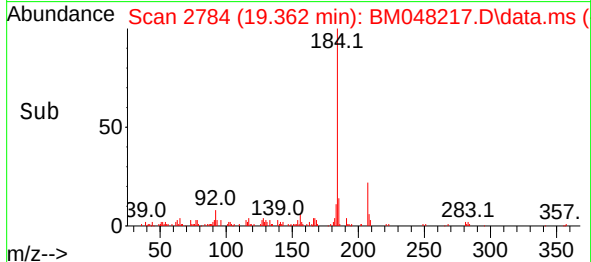
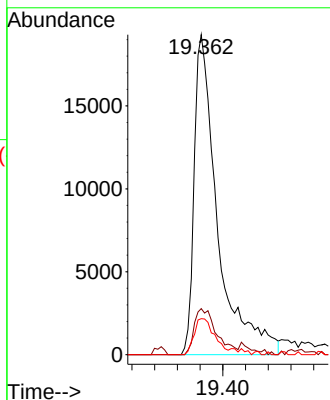
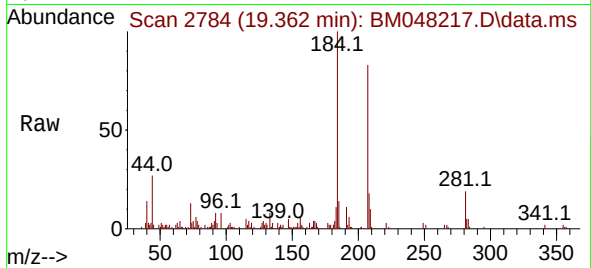




#77
Benzidine
Concen: 5.583 ng
RT: 19.362 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

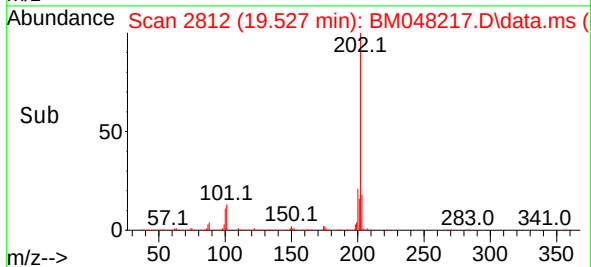
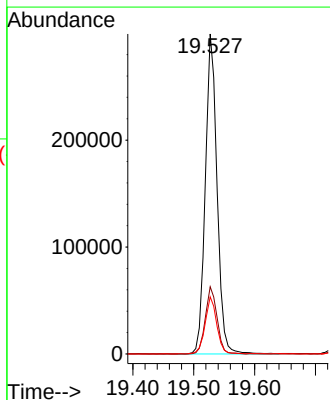
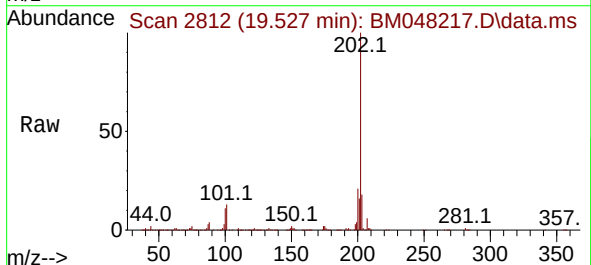
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

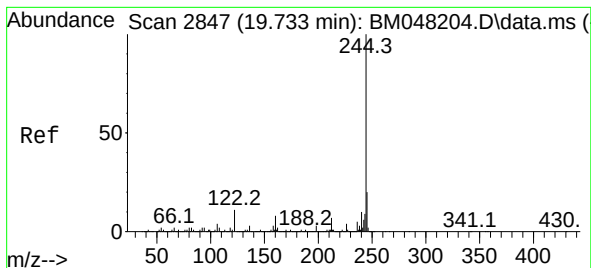
Tgt Ion:184 Resp: 55419
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.0
183 11.3 9.0 13.4



#78
Pyrene
Concen: 6.962 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048217.D
Acq: 24 Oct 2024 15:10

Tgt Ion:202 Resp: 400811
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 59.174 ng

RT: 19.733 min Scan# 2

Delta R.T. -0.000 min BNA_M

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

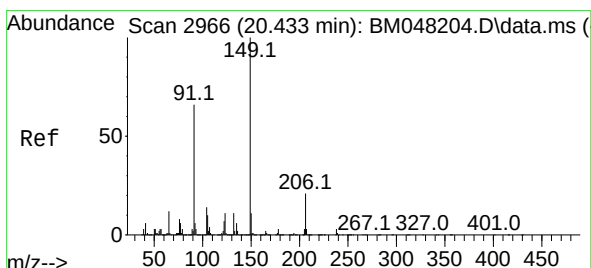
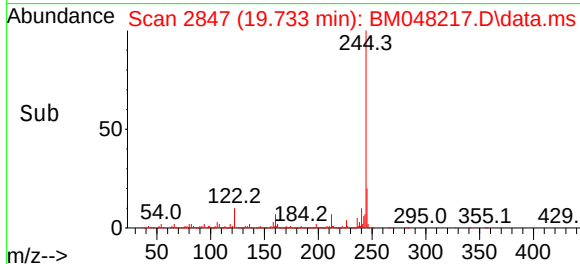
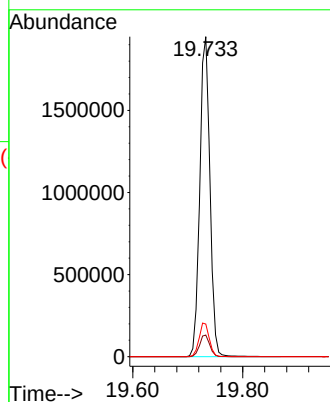
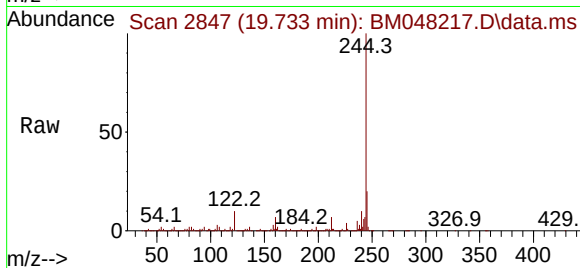
Tgt Ion:244 Resp: 2493919

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.2 8.8 13.2



#80

Butylbenzylphthalate

Concen: 6.474 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

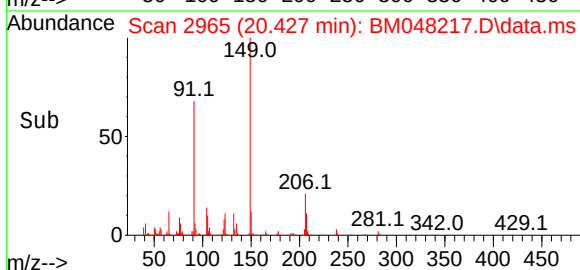
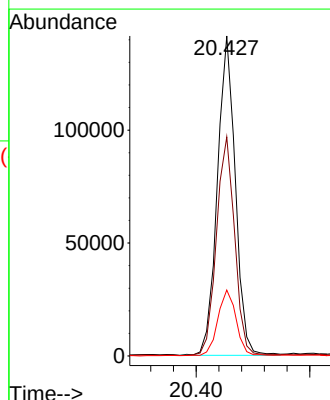
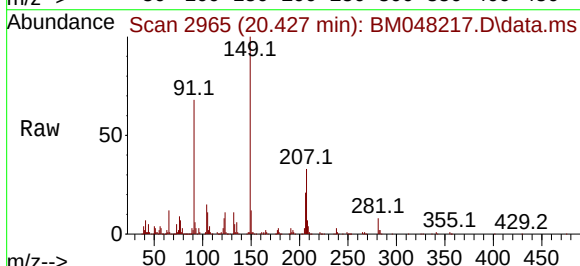
Tgt Ion:149 Resp: 155838

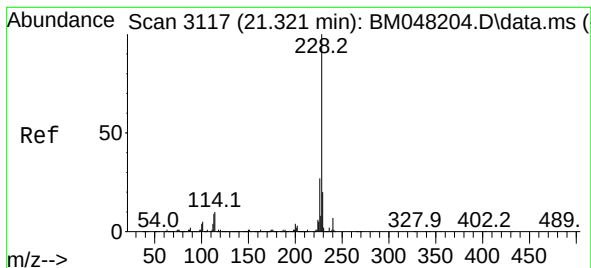
Ion Ratio Lower Upper

149 100

91 68.4 52.5 78.7

206 20.6 17.0 25.6





#81

Benzo(a)anthracene

Concen: 7.222 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

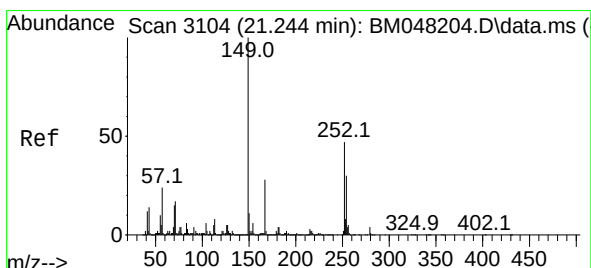
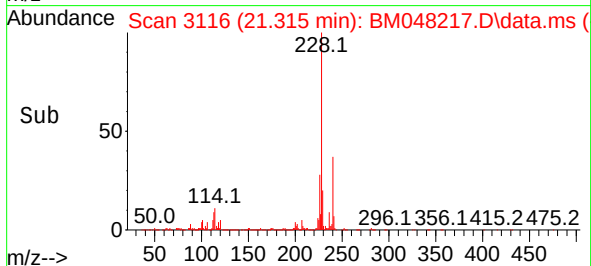
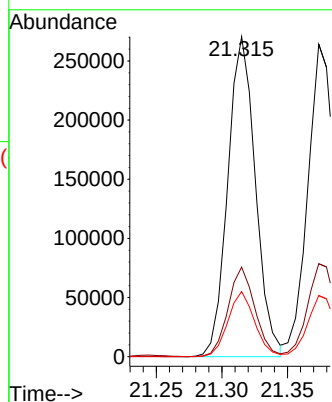
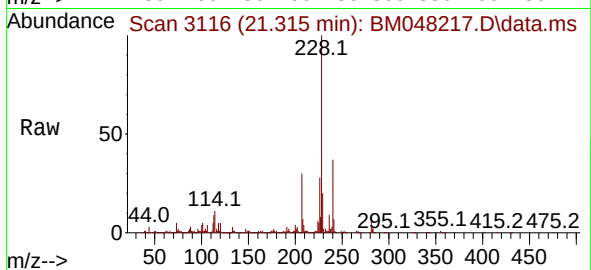
Tgt Ion:228 Resp: 396905

Ion Ratio Lower Upper

228 100

226 28.0 21.5 32.3

229 20.4 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 6.968 ng

RT: 21.244 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

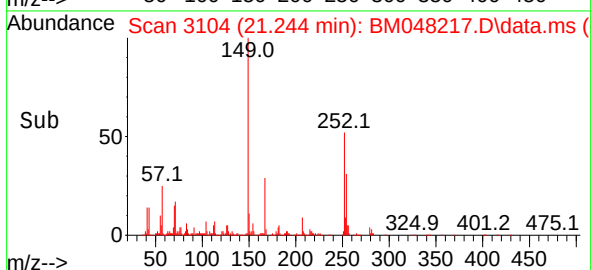
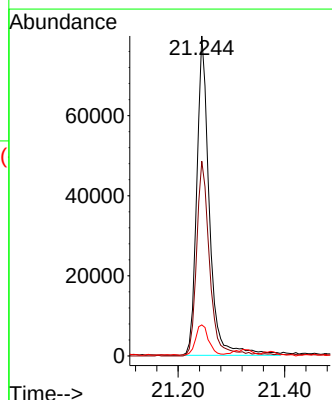
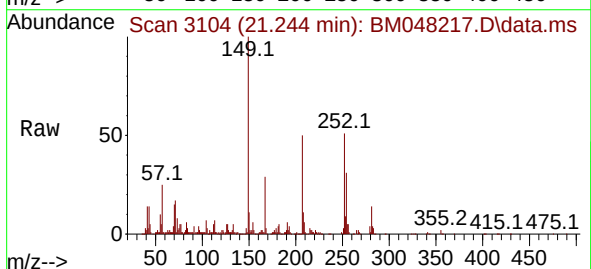
Tgt Ion:252 Resp: 131182

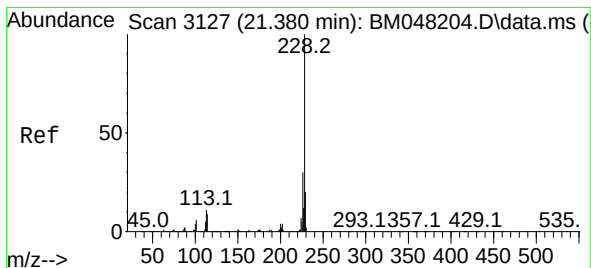
Ion Ratio Lower Upper

252 100

254 60.9 51.8 77.8

126 9.7 8.8 13.2





#83

Chrysene

Concen: 7.444 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

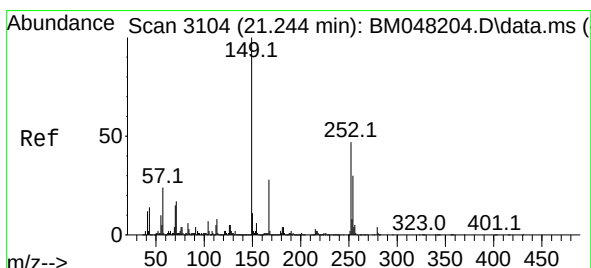
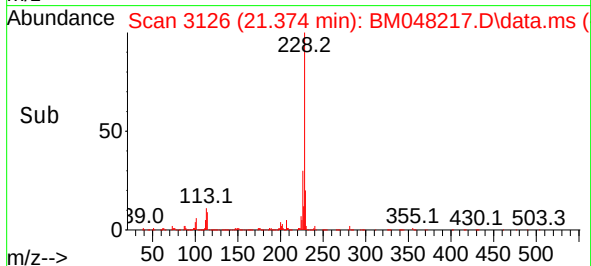
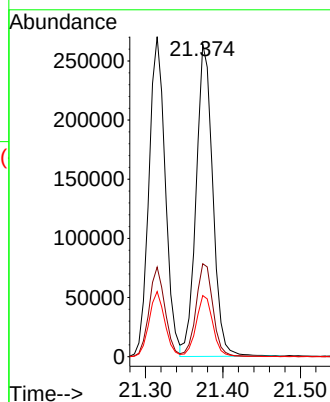
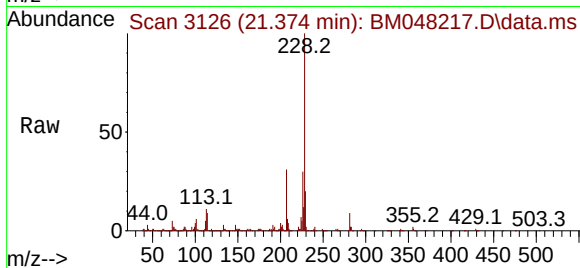
Tgt Ion:228 Resp: 392695

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.850 ng

RT: 21.239 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

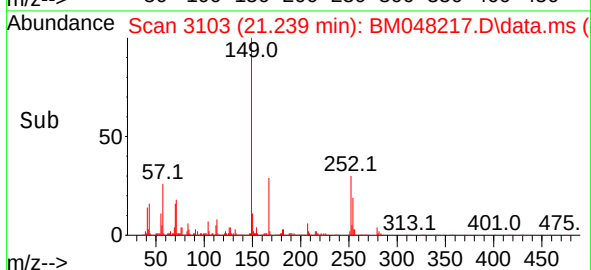
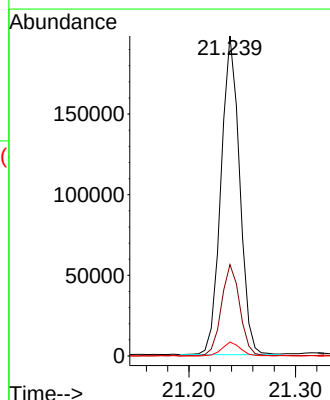
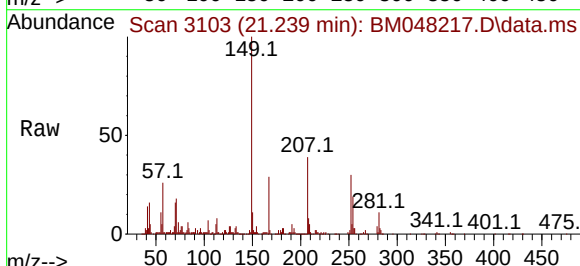
Tgt Ion:149 Resp: 239675

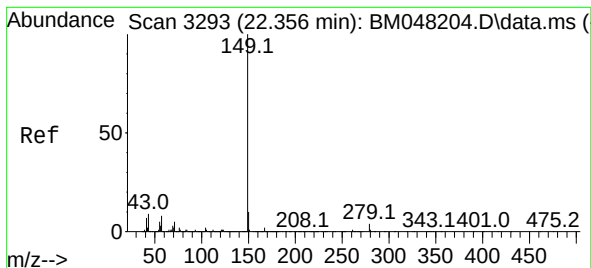
Ion Ratio Lower Upper

149 100

167 28.6 22.5 33.7

279 4.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 6.195 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

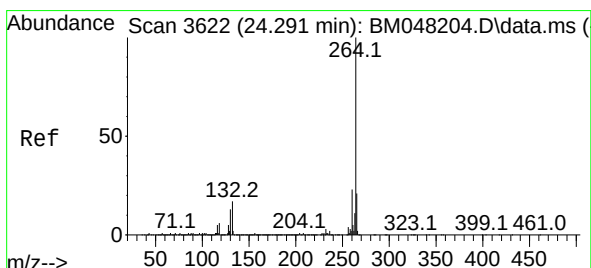
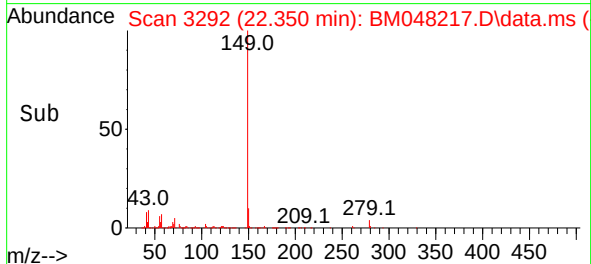
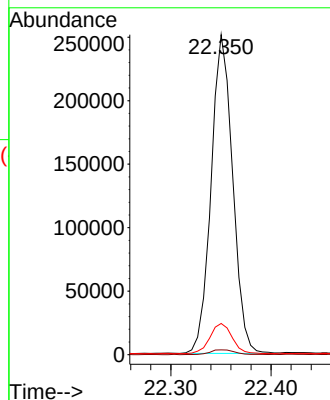
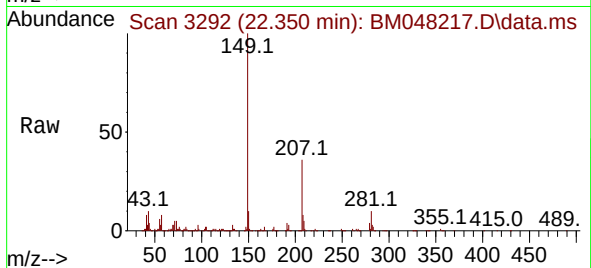
Tgt Ion:149 Resp: 375396

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

43 9.8 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.285 min Scan# 3621

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

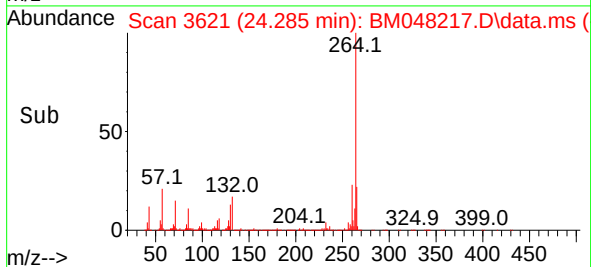
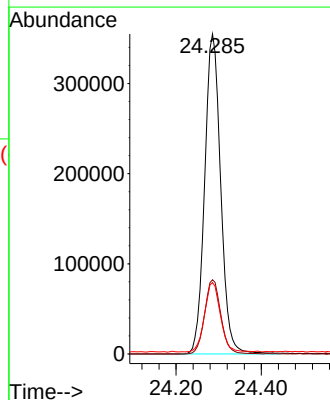
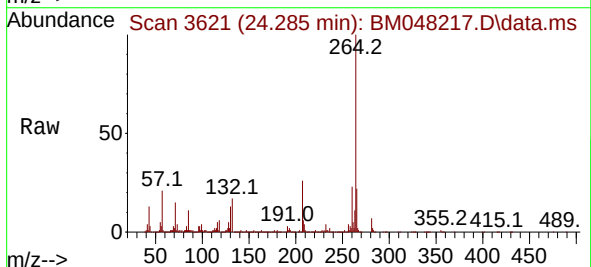
Tgt Ion:264 Resp: 927674

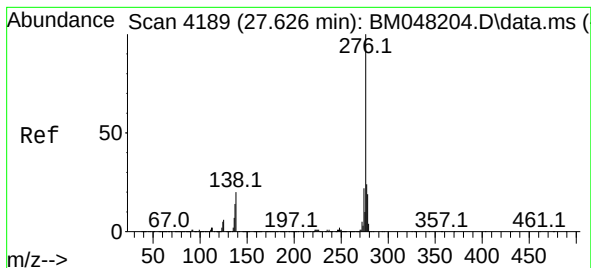
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 22.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.693 ng

RT: 27.603 min Scan# 4189

Delta R.T. -0.023 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

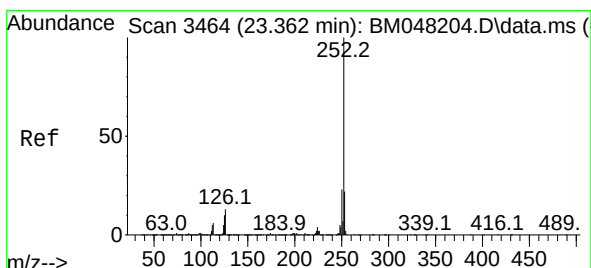
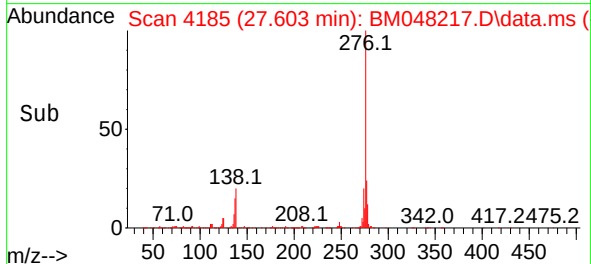
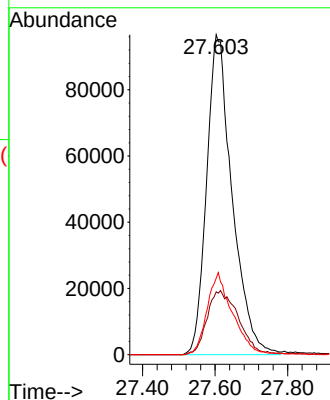
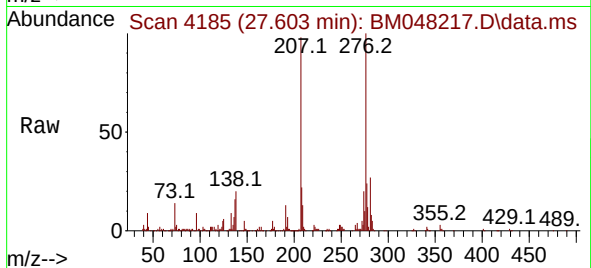
Tgt Ion:276 Resp: 471950

Ion Ratio Lower Upper

276 100

138 24.7 19.8 29.6

277 25.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 7.573 ng

RT: 23.350 min Scan# 3462

Delta R.T. -0.012 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

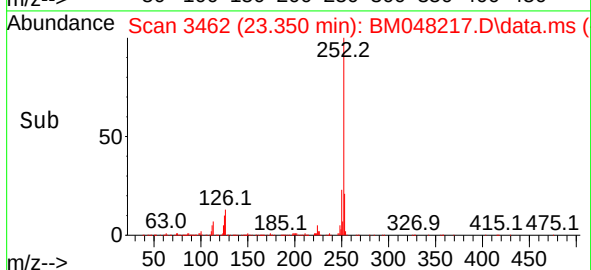
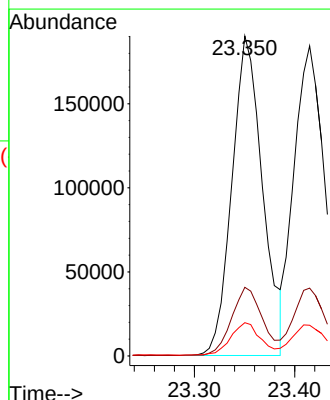
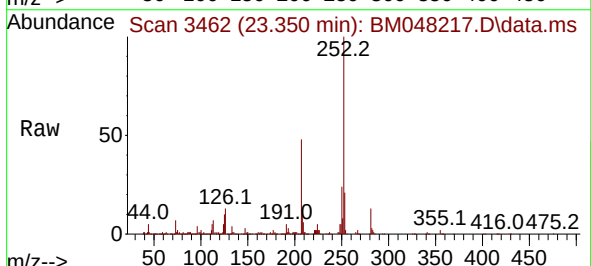
Tgt Ion:252 Resp: 402822

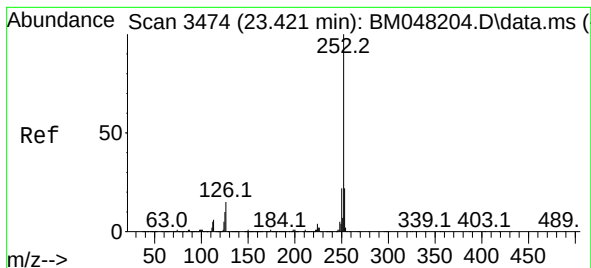
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 7.852 ng

RT: 23.415 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

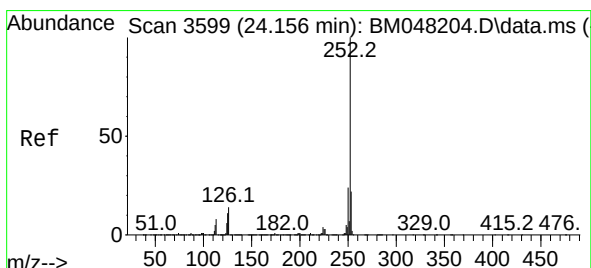
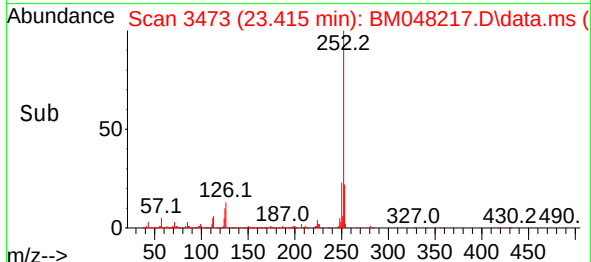
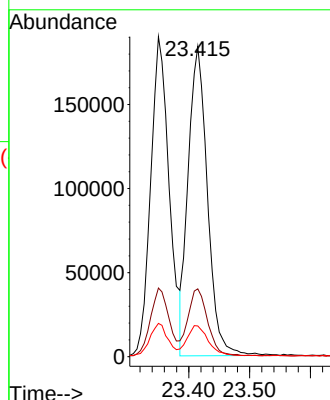
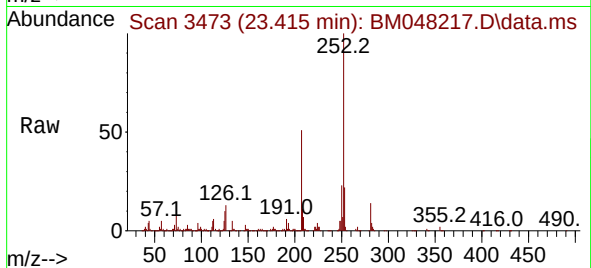
Tgt Ion:252 Resp: 403775

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 9.9 7.8 11.6



#90

Benzo(a)pyrene

Concen: 7.719 ng

RT: 24.144 min Scan# 3597

Delta R.T. -0.012 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

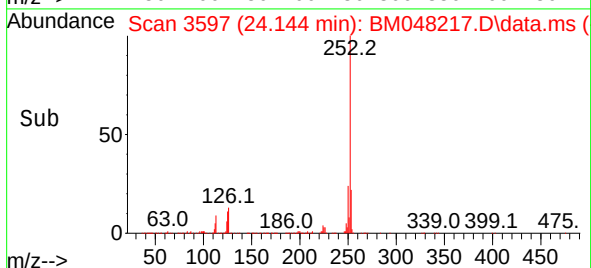
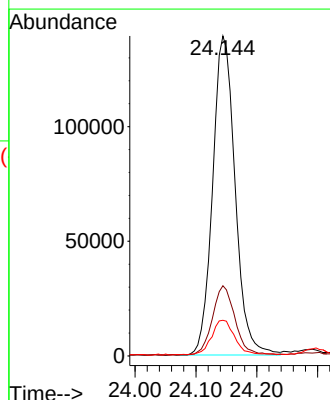
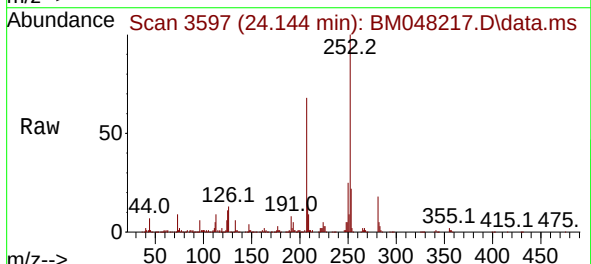
Tgt Ion:252 Resp: 356941

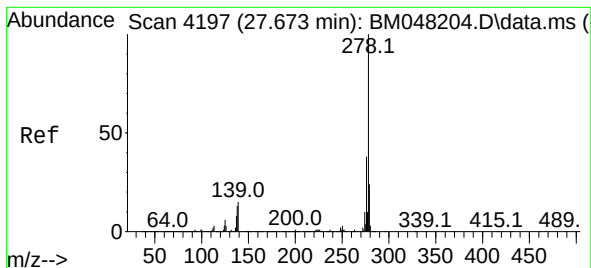
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 11.1 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.672 ng

RT: 27.656 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

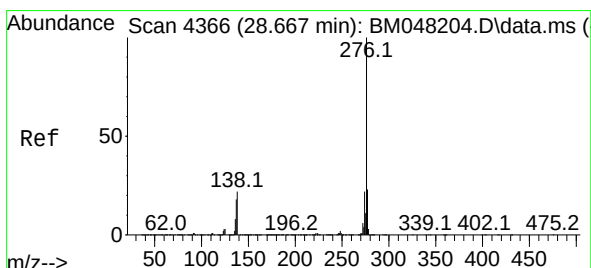
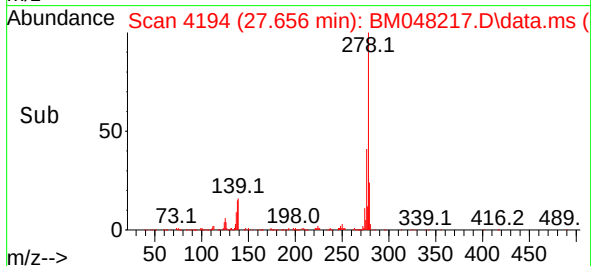
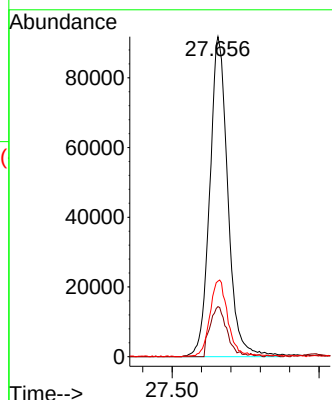
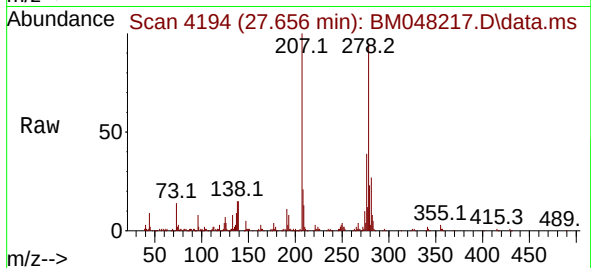
Tgt Ion:278 Resp: 391921

Ion Ratio Lower Upper

278 100

139 15.7 12.2 18.4

279 23.6 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 7.199 ng

RT: 28.644 min Scan# 4362

Delta R.T. -0.024 min

Lab File: BM048217.D

Acq: 24 Oct 2024 15:10

Tgt Ion:276 Resp: 376565

Ion Ratio Lower Upper

276 100

277 22.9 18.5 27.7

138 21.2 17.5 26.3

