

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048221.D
 Acq On : 24 Oct 2024 17:48
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-05 ng
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 24 18:25:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	200778	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	794478	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	501625	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1024259	20.000	ng	0.00
76) Chrysene-d12	21.333	240	1016626	20.000	ng	0.00
86) Perylene-d12	24.285	264	1127493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1157186	96.881	ng	0.00
7) Phenol-d6	6.898	99	1535110	98.687	ng	0.00
23) Nitrobenzene-d5	8.875	82	1026832	72.976	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	629420	102.513	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	2387527	73.036	ng	0.00
79) Terphenyl-d14	19.733	244	3419322	68.638	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	26051	5.328	ng	97
3) Pyridine	3.616	79	54342	4.184	ng	98
4) n-Nitrosodimethylamine	3.516	42	26279	4.765	ng	# 95
6) Aniline	7.051	93	80457	6.231	ng	98
8) 2-Chlorophenol	7.287	128	67461	5.199	ng	97
9) Benzaldehyde	6.863	77	56711	7.420	ng	95
10) Phenol	6.922	94	80418	5.138	ng	92
11) bis(2-Chloroethyl)ether	7.145	93	63685	5.109	ng	99
12) 1,3-Dichlorobenzene	7.610	146	76052	5.083	ng	98
13) 1,4-Dichlorobenzene	7.751	146	78304	5.152	ng	96
14) 1,2-Dichlorobenzene	8.069	146	74132	5.047	ng	98
15) Benzyl Alcohol	7.969	79	48473	4.884	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.239	45	99483	5.456	ng	99
17) 2-Methylphenol	8.169	107	48692	4.682	ng	97
18) Hexachloroethane	8.792	117	28206	5.063	ng	96
19) n-Nitroso-di-n-propyla...	8.528	70	49162	4.996	ng	97
20) 3+4-Methylphenols	8.504	107	62948	4.370	ng	93
22) Acetophenone	8.539	105	101332	5.226	ng	98
24) Nitrobenzene	8.916	77	75177	5.157	ng	99
25) Isophorone	9.445	82	129343	5.015	ng	100
26) 2-Nitrophenol	9.633	139	29248	4.345	ng	99
27) 2,4-Dimethylphenol	9.698	122	23188	2.839	ng	96
28) bis(2-Chloroethoxy)met...	9.928	93	79621	4.878	ng	98
29) 2,4-Dichlorophenol	10.181	162	52835	4.497	ng	99
30) 1,2,4-Trichlorobenzene	10.375	180	67450	5.013	ng	96
31) Naphthalene	10.557	128	207204	5.000	ng	99
32) Benzoic acid	9.781	122	27267	2.999	ng	99
33) 4-Chloroaniline	10.681	127	68357	5.086	ng	100
34) Hexachlorobutadiene	10.845	225	39850	4.779	ng	94
35) Caprolactam	11.457	113	15615	4.092	ng	99
36) 4-Chloro-3-methylphenol	11.816	107	55892	4.557	ng	97
37) 2-Methylnaphthalene	12.175	142	136286	4.923	ng	100
38) 1-Methylnaphthalene	12.398	142	130751	4.763	ng	96
40) 1,2,4,5-Tetrachloroben...	12.551	216	73446	5.123	ng	99
41) Hexachlorocyclopentadiene	12.527	237	7359	1.517	ng	94
43) 2,4,6-Trichlorophenol	12.798	196	42852	4.504	ng	95

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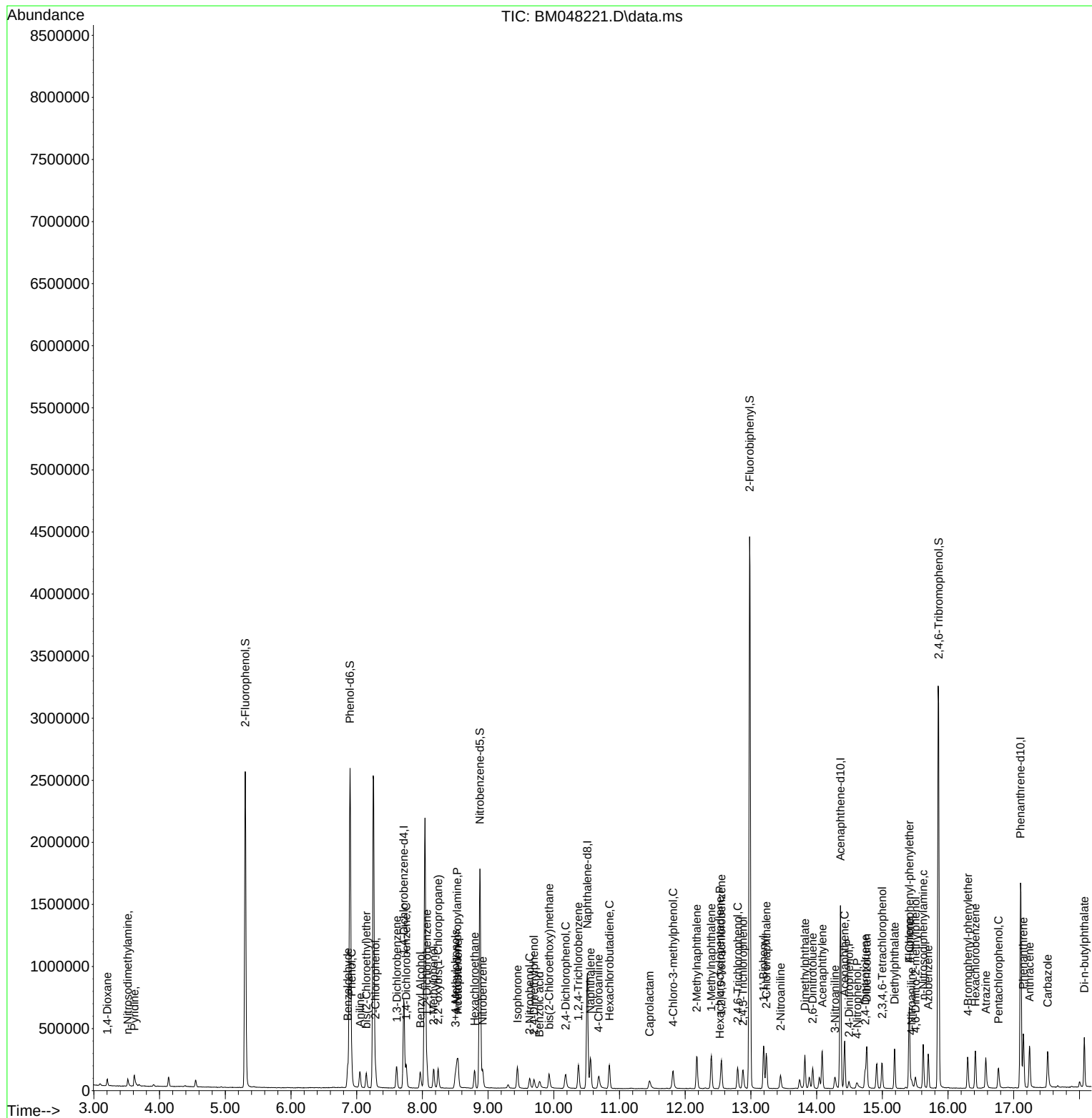
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	47856	4.510	ng	98
46) 1,1'-Biphenyl	13.192	154	192778	5.383	ng	98
47) 2-Chloronaphthalene	13.233	162	140982	4.992	ng	97
48) 2-Nitroaniline	13.451	65	33065	4.317	ng	92
49) Acenaphthylene	14.086	152	218256	5.298	ng	99
50) Dimethylphthalate	13.821	163	172767	5.045	ng	99
51) 2,6-Dinitrotoluene	13.939	165	32471	4.250	ng	# 84
52) Acenaphthene	14.427	154	130756	4.995	ng	96
53) 3-Nitroaniline	14.280	138	28593	3.968	ng	93
54) 2,4-Dinitrophenol	14.492	184	13083	2.930	ng	87
55) Dibenzofuran	14.763	168	218914	5.264	ng	99
56) 4-Nitrophenol	14.616	139	20117	3.128	ng	# 87
57) 2,4-Dinitrotoluene	14.739	165	39425	3.907	ng	96
58) Fluorene	15.410	166	170696	5.190	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	43663	4.965	ng	99
60) Diethylphthalate	15.186	149	170511	4.918	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	86338	5.251	ng	93
62) 4-Nitroaniline	15.445	138	26756	3.588	ng	93
63) Azobenzene	15.698	77	152834	4.918	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	19657	3.308	ng	92
66) n-Nitrosodiphenylamine	15.621	169	138508	4.926	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	50202	4.834	ng	97
68) Hexachlorobenzene	16.415	284	61880	4.961	ng	97
69) Atrazine	16.574	200	47240	6.004	ng	94
70) Pentachlorophenol	16.768	266	33406	4.080	ng	98
71) Phenanthrene	17.145	178	268173	5.287	ng	100
72) Anthracene	17.239	178	225732	4.598	ng	98
73) Carbazole	17.515	167	226829	4.713	ng	100
74) Di-n-butylphthalate	18.074	149	280013	4.674	ng	100
75) Fluoranthene	19.168	202	300940	4.974	ng	97
77) Benzidine	19.356	184	44015	3.751	ng	99
78) Pyrene	19.527	202	320612	4.712	ng	100
80) Butylbenzylphthalate	20.427	149	121797	4.280	ng	97
81) Benzo(a)anthracene	21.315	228	324336	4.992	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	102393	4.601	ng	100
83) Chrysene	21.374	228	320783	5.144	ng	98
84) Bis(2-ethylhexyl)phtha...	21.239	149	190400	4.604	ng	99
85) Di-n-octyl phthalate	22.350	149	293898	4.103	ng	98
87) Indeno(1,2,3-cd)pyrene	27.609	276	378787	5.080	ng	99
88) Benzo(b)fluoranthene	23.350	252	317381	4.910	ng	100
89) Benzo(k)fluoranthene	23.415	252	332984	5.328	ng	99
90) Benzo(a)pyrene	24.144	252	284881	5.069	ng	98
91) Dibenzo(a,h)anthracene	27.656	278	315724	5.085	ng	99
92) Benzo(g,h,i)perylene	28.644	276	304231	4.785	ng	98

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

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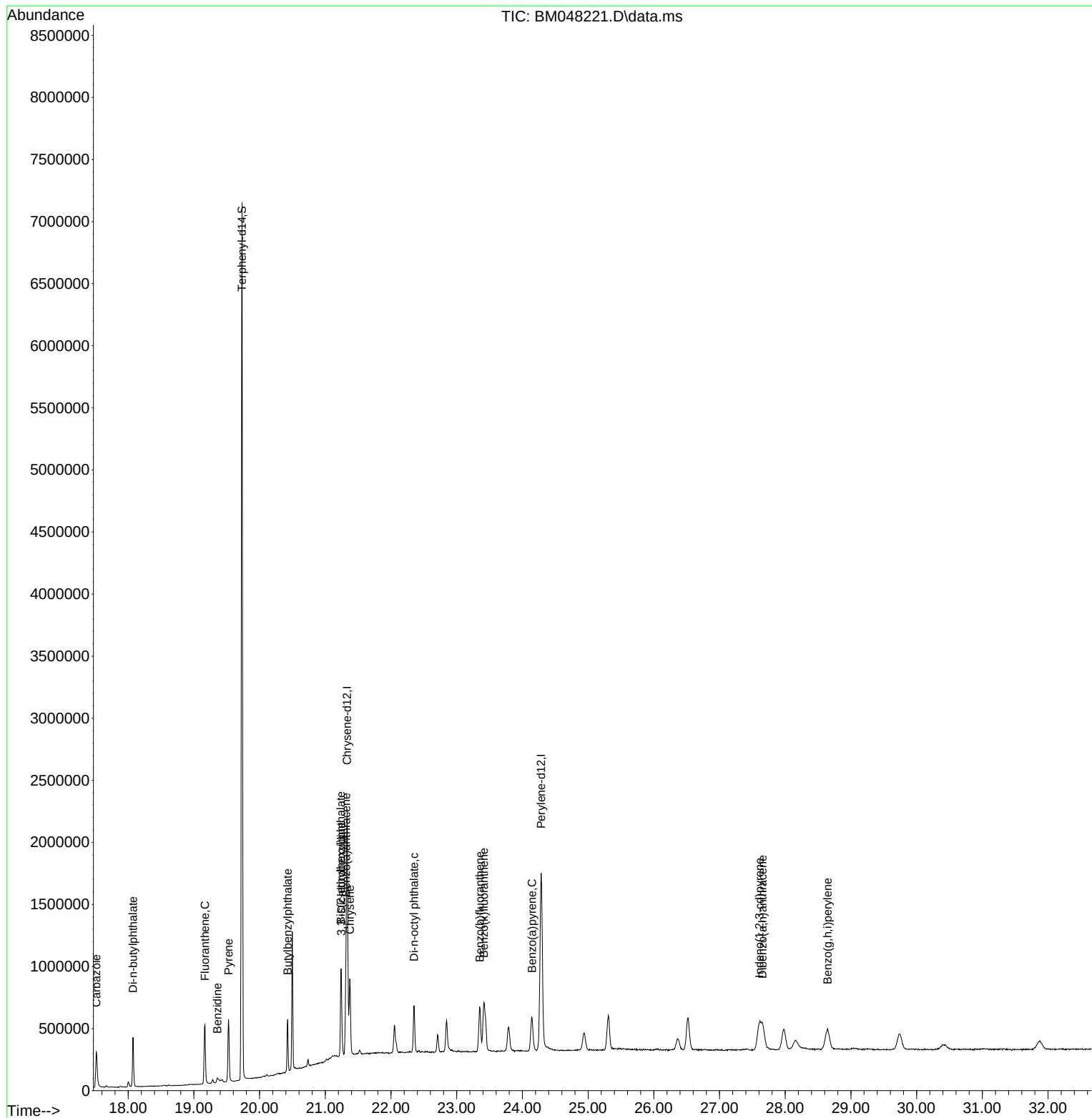
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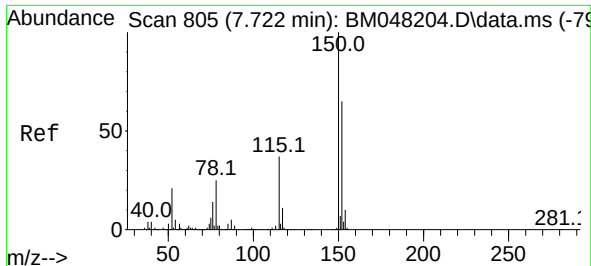


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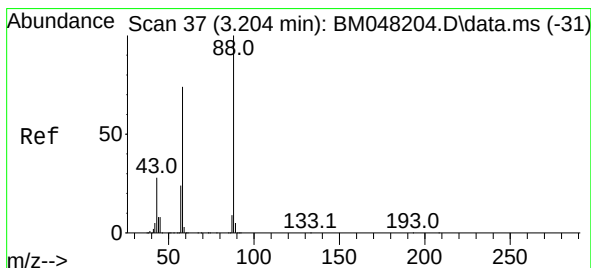
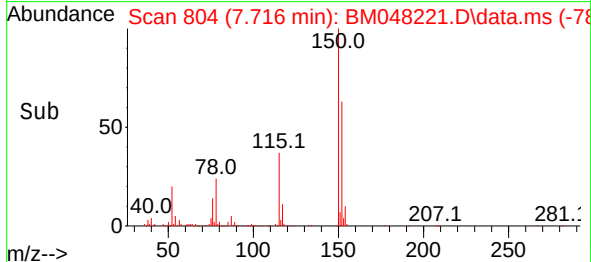
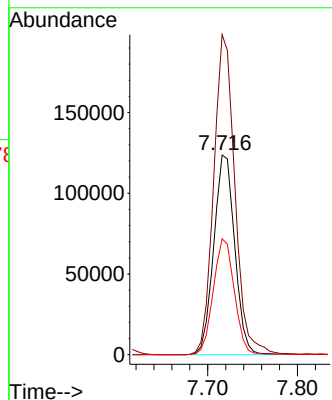
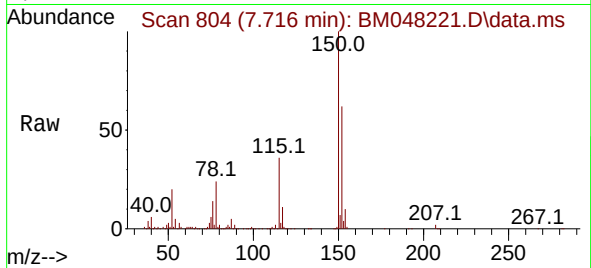




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048221.D
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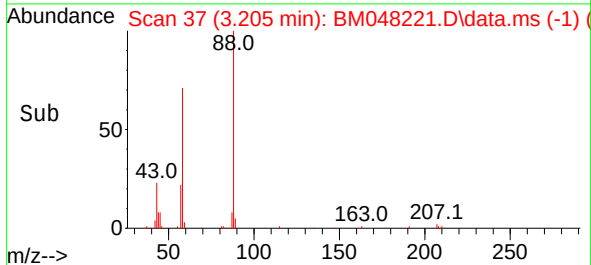
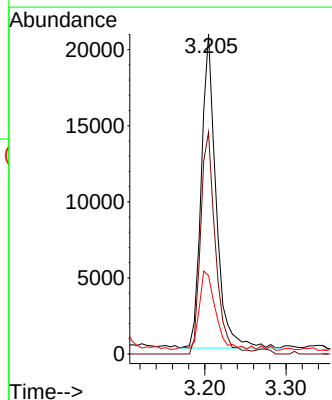
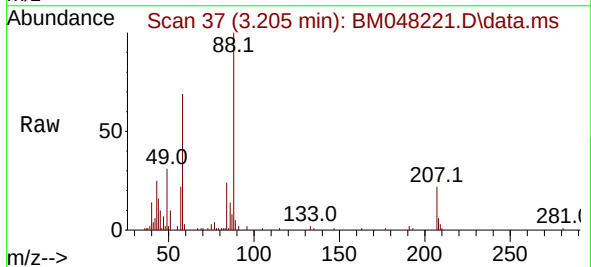
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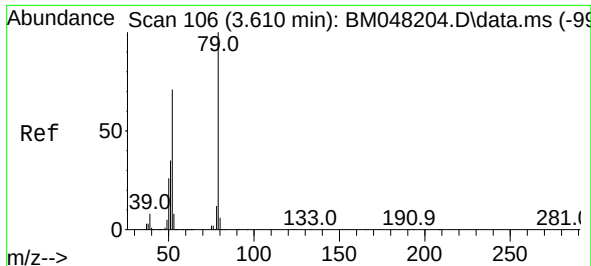
Tgt Ion:152 Resp: 200778
Ion Ratio Lower Upper
152 100
150 160.3 123.0 184.6
115 58.1 45.8 68.6



#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 88 Resp: 26051
Ion Ratio Lower Upper
88 100
58 71.4 59.7 89.5
43 27.9 22.6 33.8

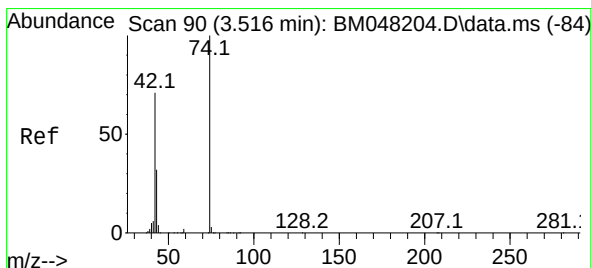
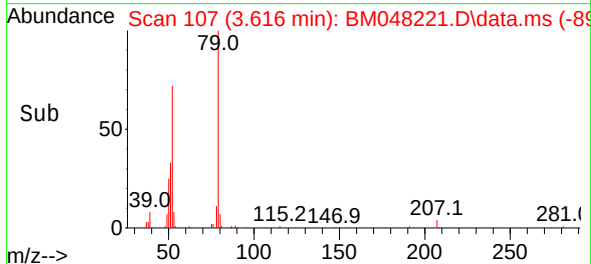
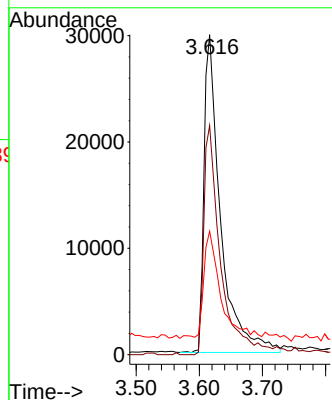
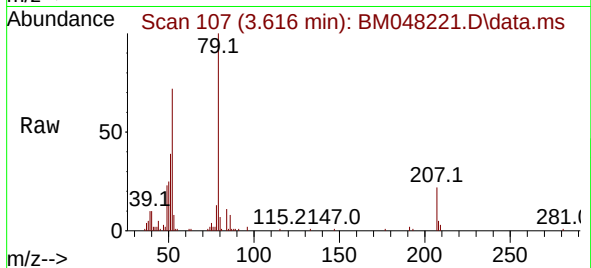




#3
Pyridine
Concen: 4.184 ng
RT: 3.616 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

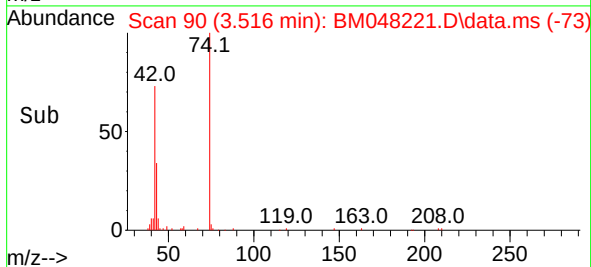
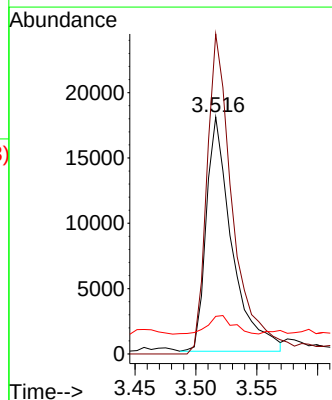
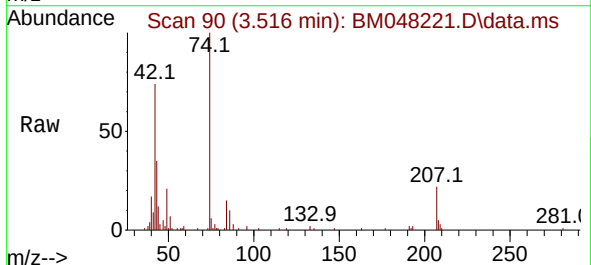
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BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

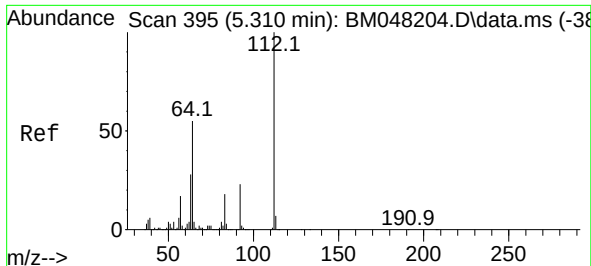
Tgt Ion: 79 Resp: 54342
Ion Ratio Lower Upper
79 100
52 71.6 56.5 84.7
51 38.5 28.5 42.7



#4
n-Nitrosodimethylamine
Concen: 4.765 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 42 Resp: 26279
Ion Ratio Lower Upper
42 100
74 135.1 111.8 167.6
44 15.9 6.0 9.0#

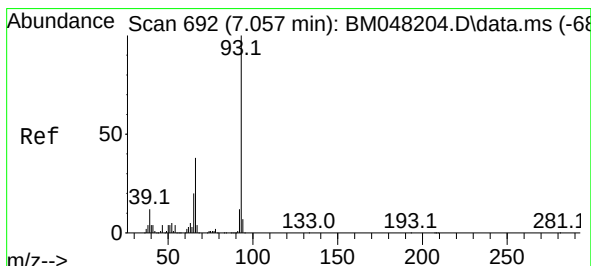
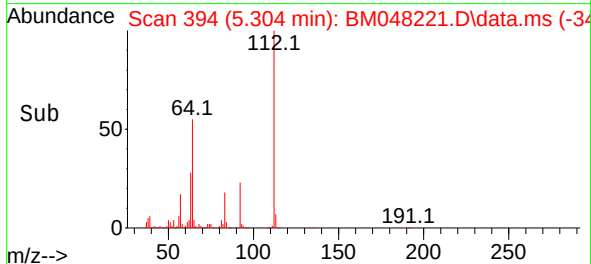
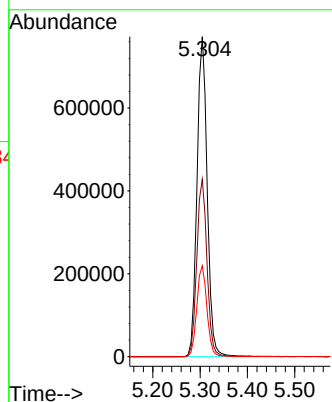
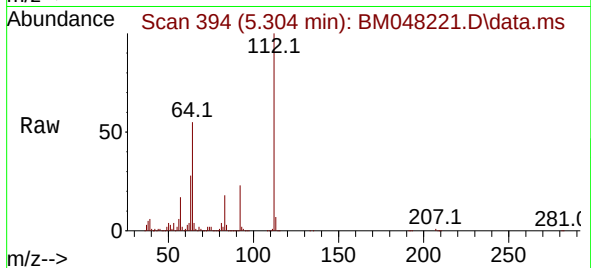




#5
2-Fluorophenol
Concen: 96.881 ng
RT: 5.304 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM048221.D
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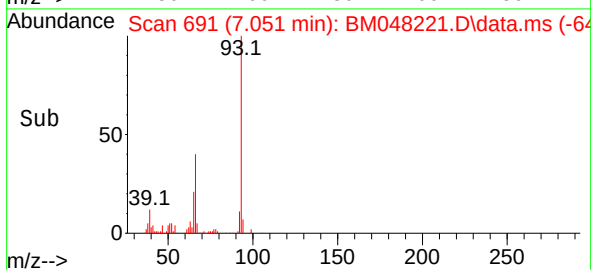
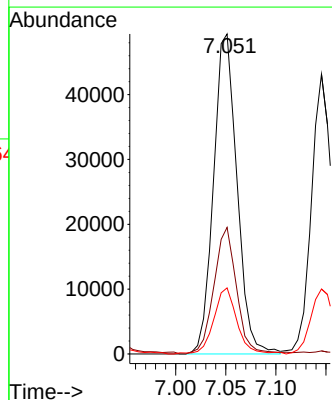
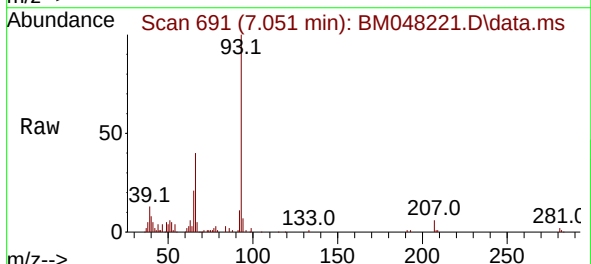
Instrument :
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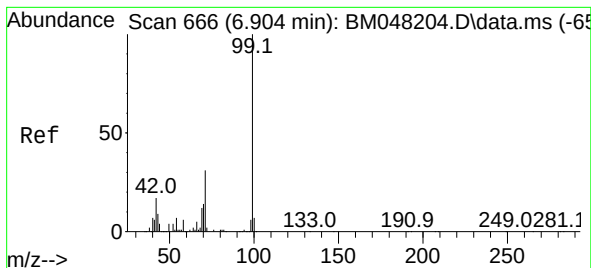
Tgt Ion:112 Resp: 1157186
Ion Ratio Lower Upper
112 100
64 55.4 44.2 66.2
63 28.4 22.7 34.1



#6
Aniline
Concen: 6.231 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 93 Resp: 80457
Ion Ratio Lower Upper
93 100
66 39.5 30.2 45.2
65 20.7 16.2 24.2





#7

Phenol-d6

Concen: 98.687 ng

RT: 6.898 min Scan# 6

Delta R.T. -0.006 min

Lab File: BM048221.D

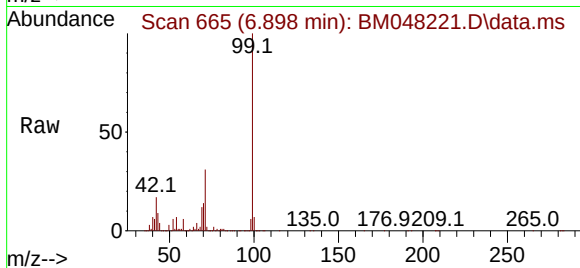
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BNA_M

ClientSampleId :

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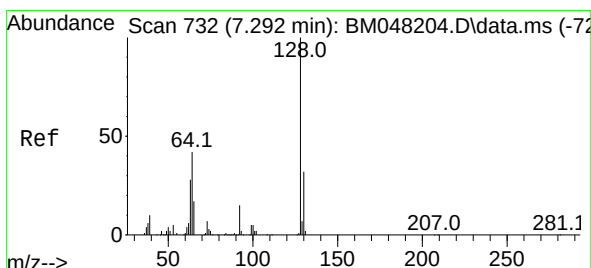
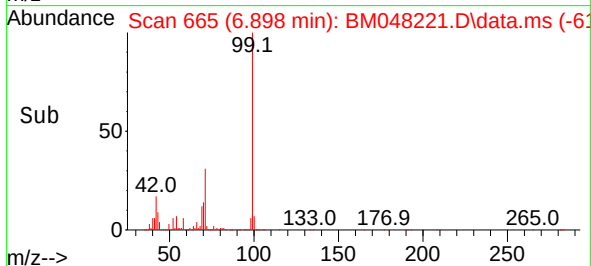
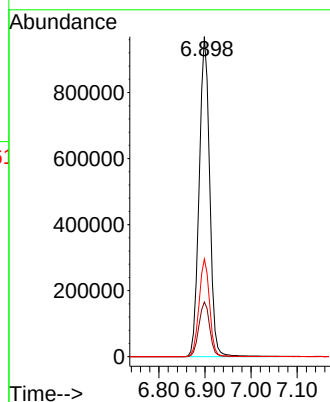
Tgt Ion: 99 Resp: 1535110

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

71 30.5 24.9 37.3



#8

2-Chlorophenol

Concen: 5.199 ng

RT: 7.287 min Scan# 731

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

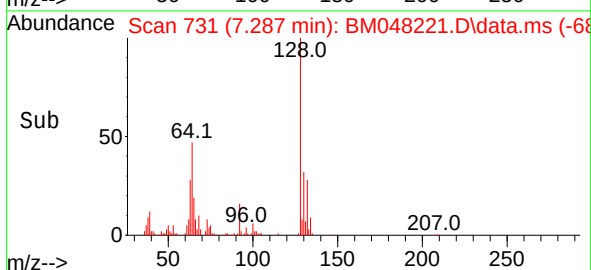
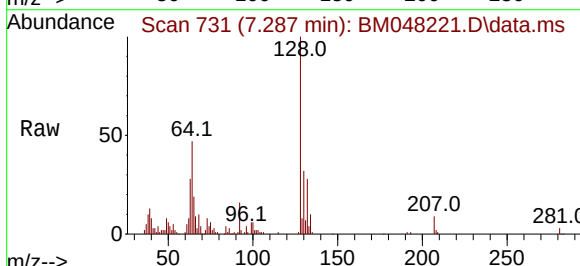
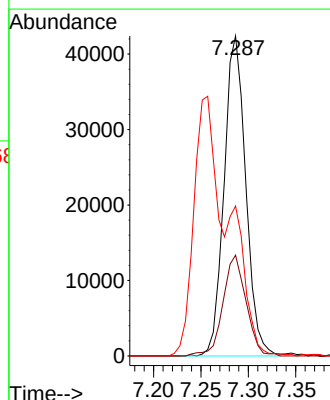
Tgt Ion: 128 Resp: 67461

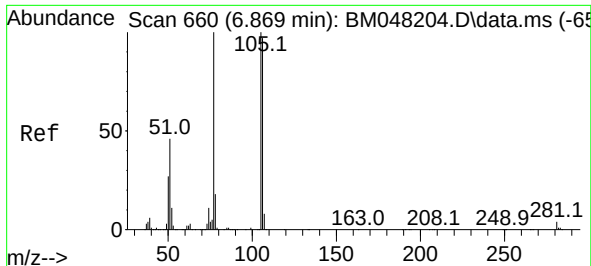
Ion Ratio Lower Upper

128 100

130 31.5 12.1 52.1

64 46.8 23.8 63.8

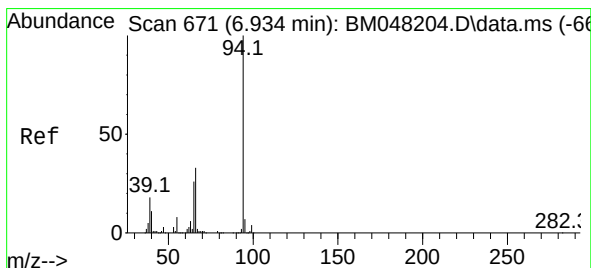
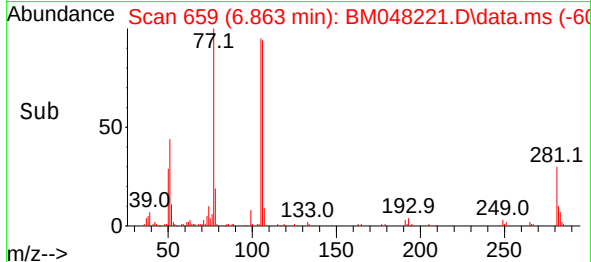
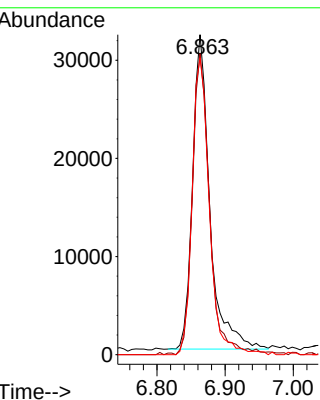
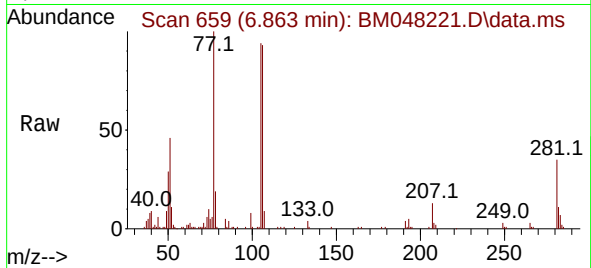




#9
Benzaldehyde
Concen: 7.420 ng
RT: 6.863 min Scan# 609
Delta R.T. -0.006 min
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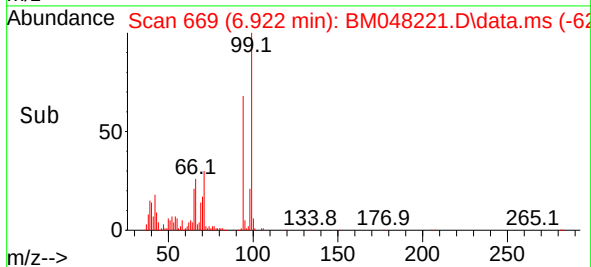
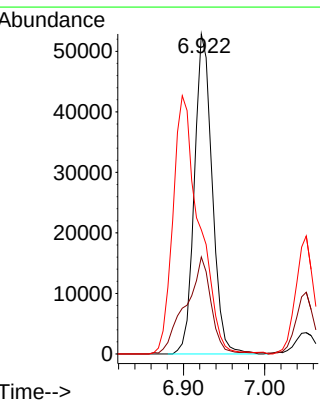
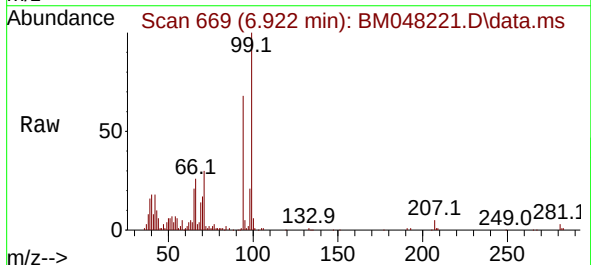
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

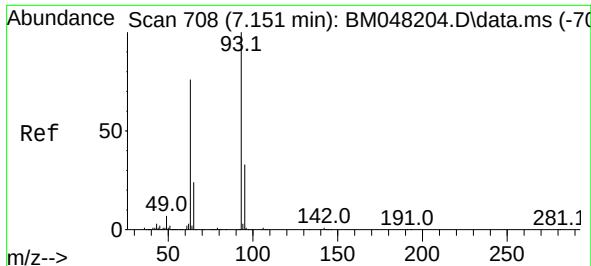
Tgt Ion: 77 Resp: 56711
Ion Ratio Lower Upper
77 100
105 94.1 79.6 119.6
106 92.7 77.0 117.0



#10
Phenol
Concen: 5.138 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 94 Resp: 80418
Ion Ratio Lower Upper
94 100
65 30.3 6.5 46.5
66 38.8 13.6 53.6

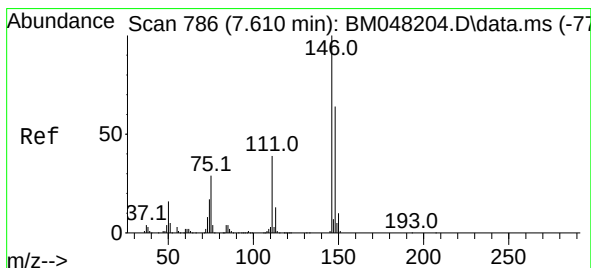
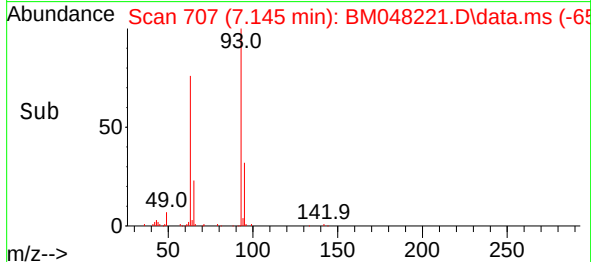
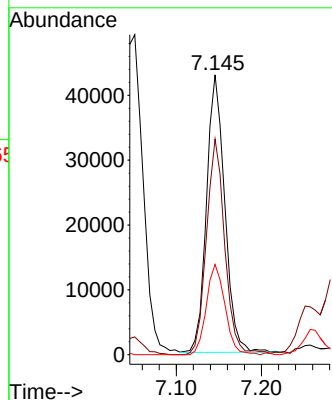
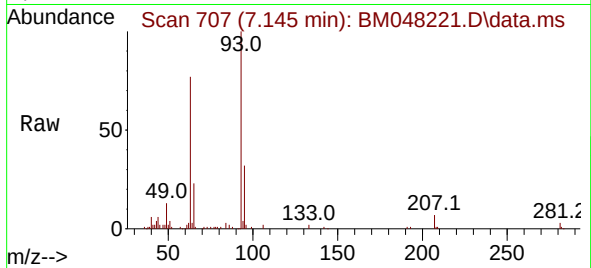




#11
bis(2-Chloroethyl)ether
Concen: 5.109 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

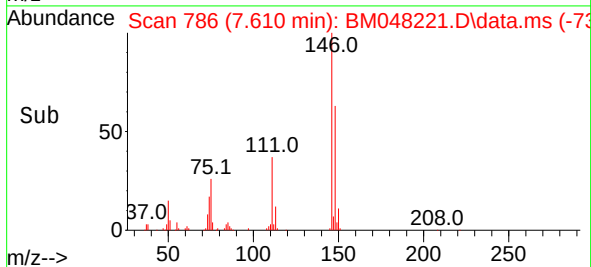
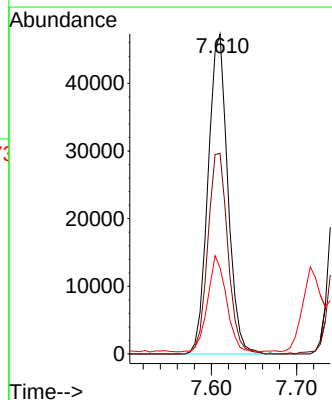
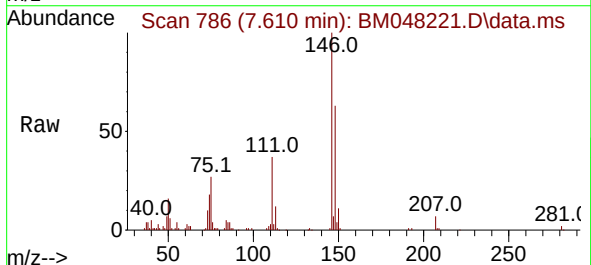
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

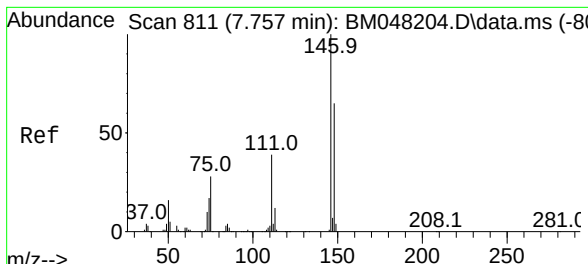
Tgt Ion: 93 Resp: 63685
Ion Ratio Lower Upper
93 100
63 77.0 55.3 95.3
95 32.2 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.083 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:146 Resp: 76052
Ion Ratio Lower Upper
146 100
148 62.7 51.0 76.6
75 26.9 22.9 34.3

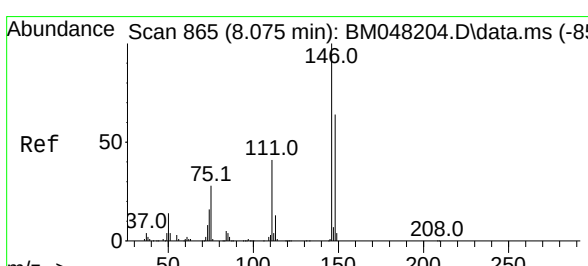
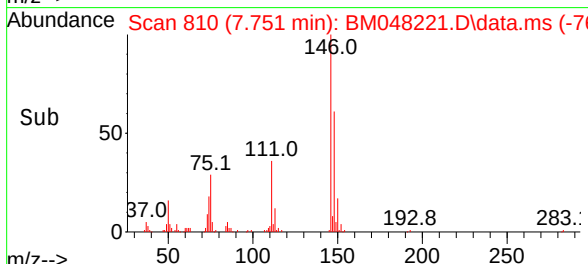
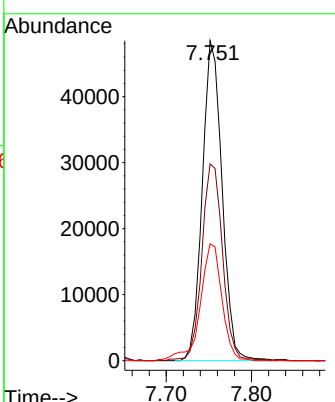
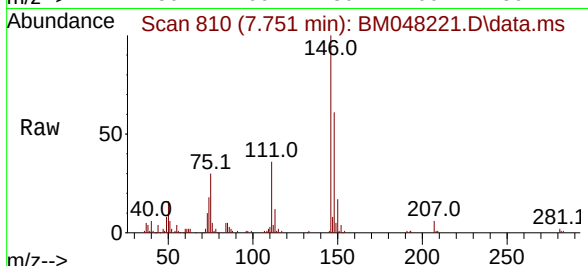




#13
 1,4-Dichlorobenzene
 Concen: 5.152 ng
 RT: 7.751 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BM048221.D
 Acq: 24 Oct 2024 17:48

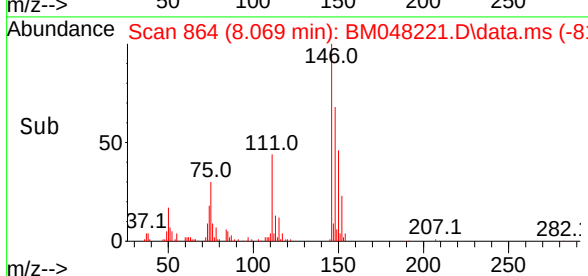
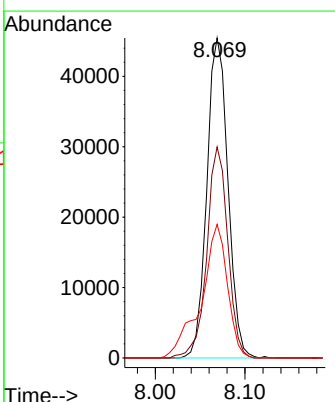
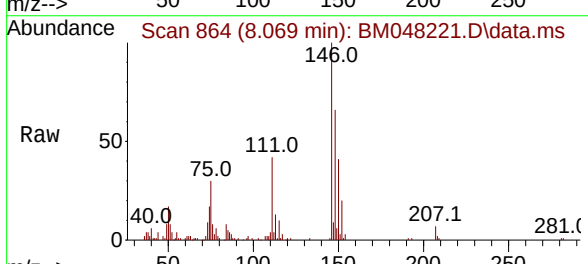
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

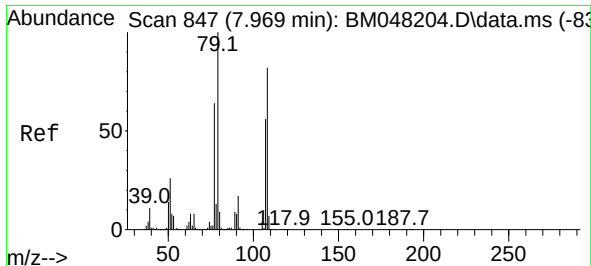
Tgt Ion:	146	Resp:	78304
Ion Ratio	Lower	Upper	
146	100		
148	61.5	51.7	77.5
111	36.5	31.4	47.2



#14
 1,2-Dichlorobenzene
 Concen: 5.047 ng
 RT: 8.069 min Scan# 864
 Delta R.T. -0.006 min
 Lab File: BM048221.D
 Acq: 24 Oct 2024 17:48

Tgt Ion:	146	Resp:	74132
Ion Ratio	Lower	Upper	
146	100		
148	65.9	51.3	76.9
111	41.8	32.7	49.1

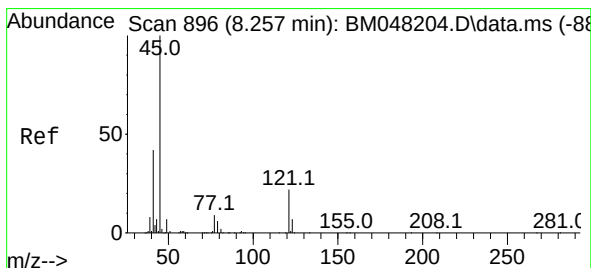
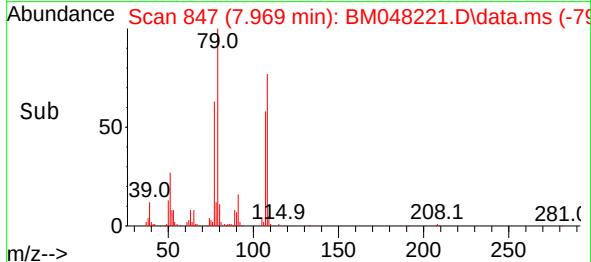
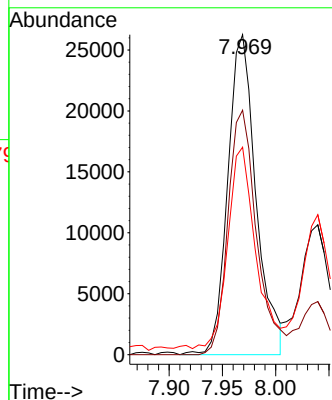
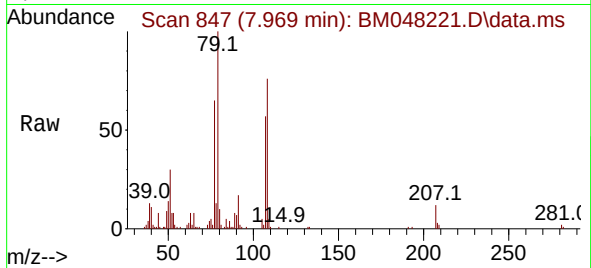




#15
Benzyl Alcohol
Concen: 4.884 ng
RT: 7.969 min Scan# 847
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

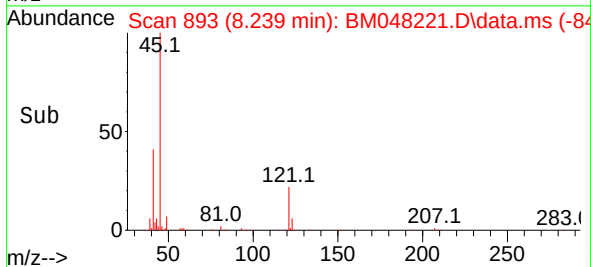
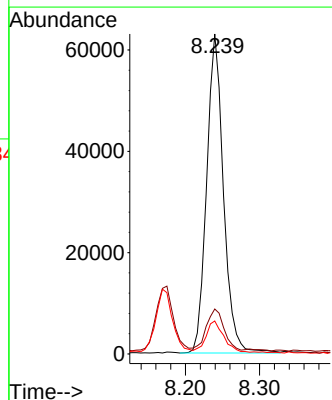
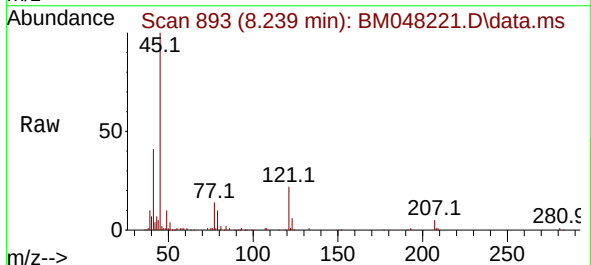
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

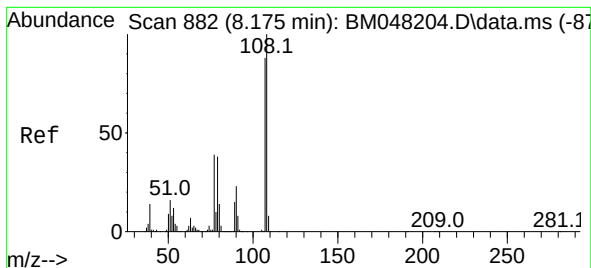
Tgt Ion: 79 Resp: 48473
Ion Ratio Lower Upper
79 100
108 76.4 65.2 97.8
77 64.8 51.4 77.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.456 ng
RT: 8.239 min Scan# 893
Delta R.T. -0.018 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 45 Resp: 99483
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.2
79 10.3 0.0 30.7





#17

2-Methylphenol

Concen: 4.682 ng

RT: 8.169 min Scan# 881

Delta R.T. -0.006 min

Lab File: BM048221.D

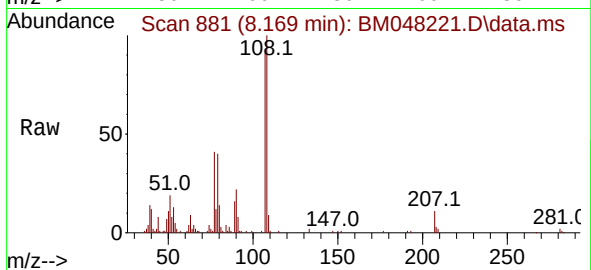
Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:107 Resp: 48692

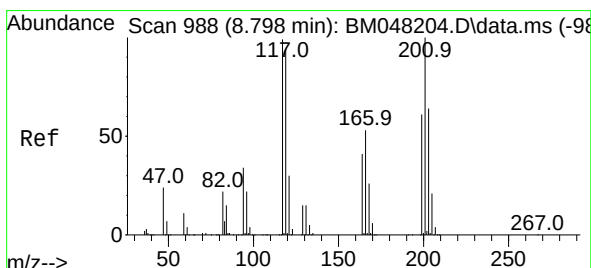
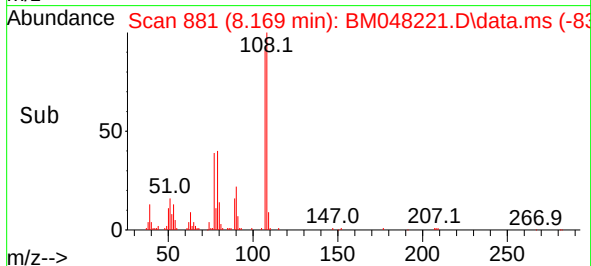
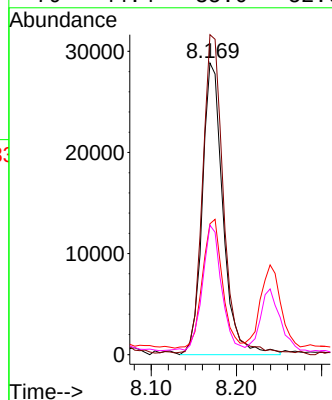
Ion Ratio Lower Upper

107 100

108 109.7 91.3 136.9

77 44.9 36.2 54.2

79 44.4 35.0 52.6



#18

Hexachloroethane

Concen: 5.063 ng

RT: 8.792 min Scan# 987

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

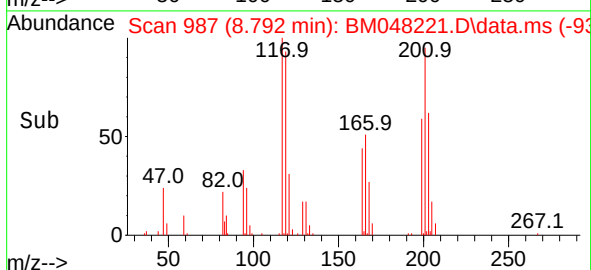
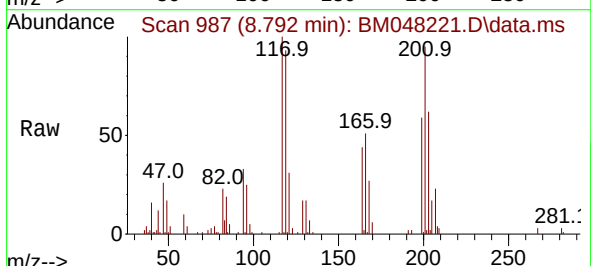
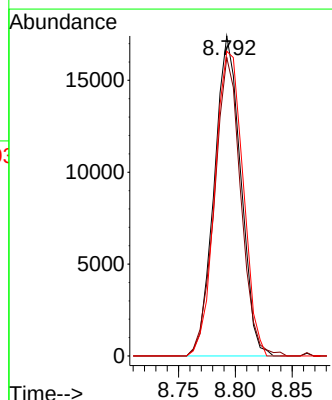
Tgt Ion:117 Resp: 28206

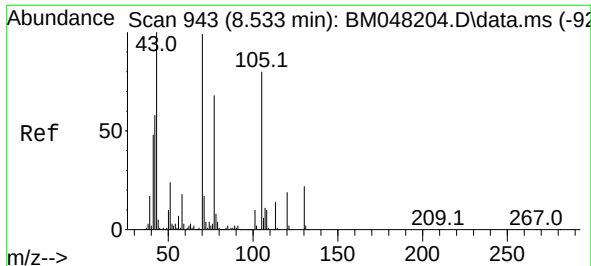
Ion Ratio Lower Upper

117 100

119 93.3 76.5 114.7

201 95.2 80.9 121.3

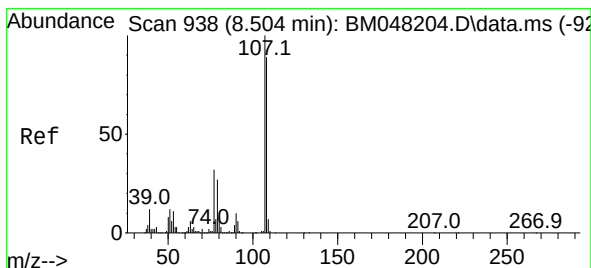
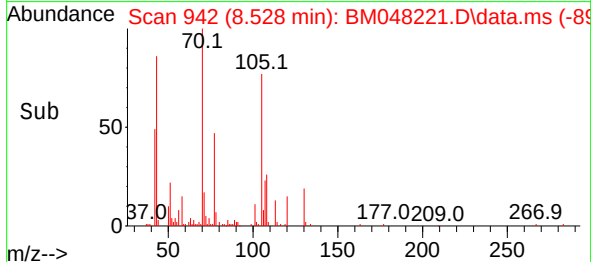
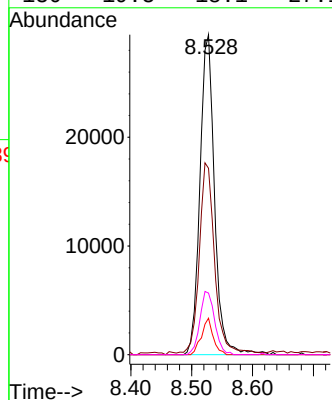
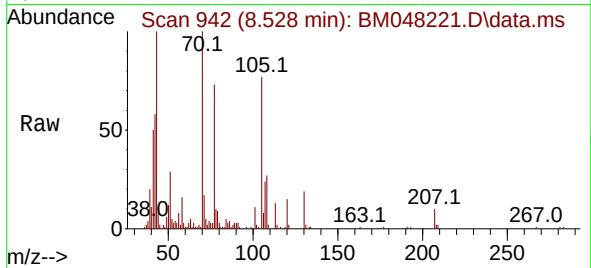




#19
n-Nitroso-di-n-propylamine
Concen: 4.996 ng
RT: 8.528 min Scan# 942
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

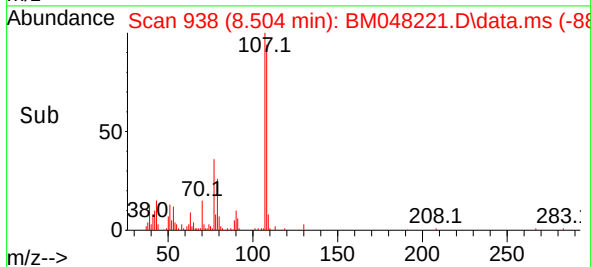
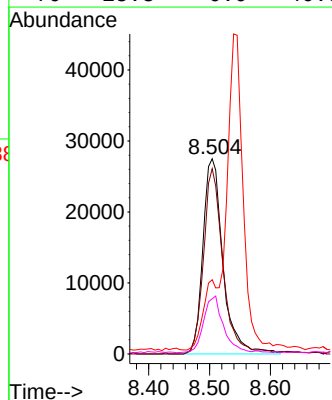
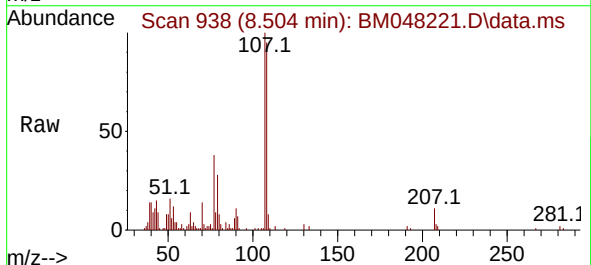
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

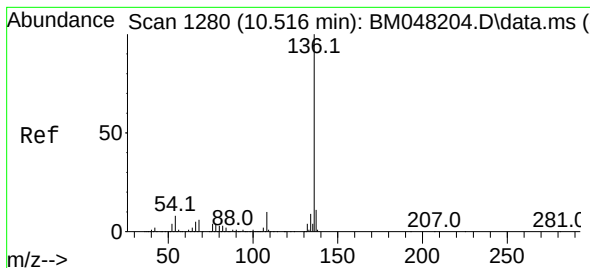
Tgt Ion:	70	Resp:	49162
Ion	Ratio	Lower	Upper
70	100		
42	58.2	47.0	70.6
101	11.4	7.8	11.6
130	19.3	18.1	27.1



#20
3+4-Methylphenols
Concen: 4.370 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:	107	Resp:	62948
Ion	Ratio	Lower	Upper
107	100		
108	95.0	69.0	109.0
77	38.1	12.3	52.3
79	28.3	6.9	46.9

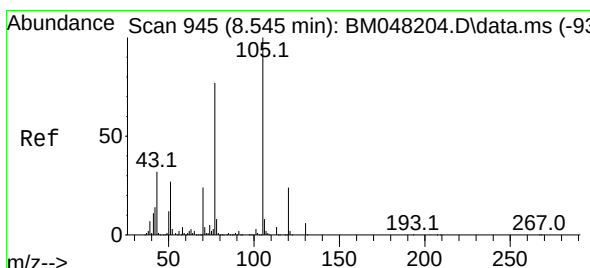
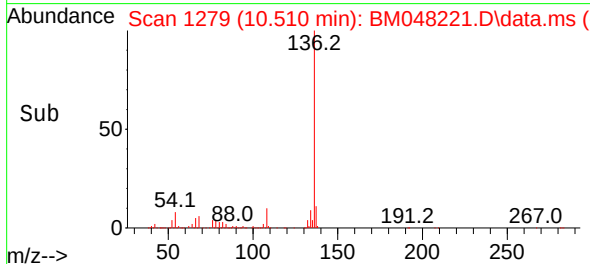
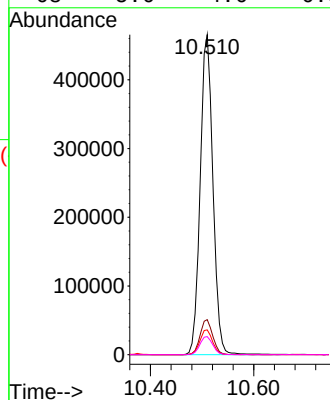
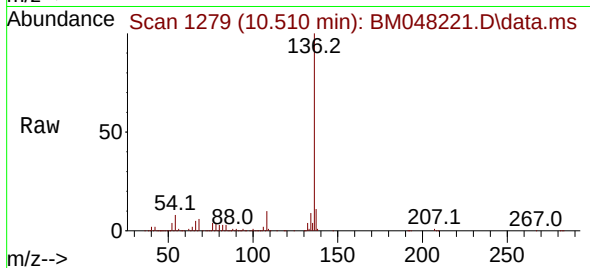




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

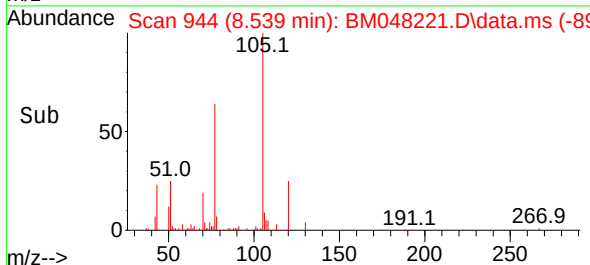
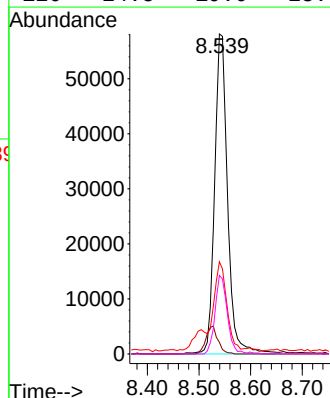
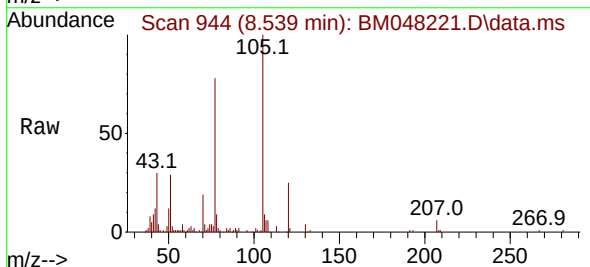
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2024

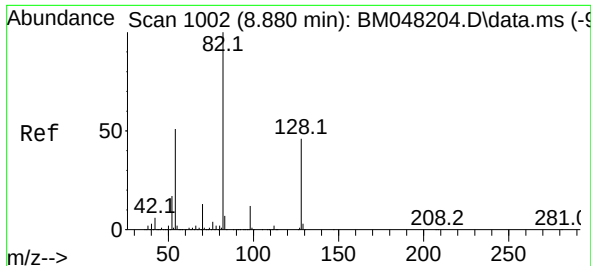
Tgt Ion:	136	Resp:	794478
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.7	6.5	9.7
68	5.6	4.6	6.8



#22
Acetophenone
Concen: 5.226 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:	105	Resp:	101332
Ion Ratio	Lower	Upper	
105	100		
71	3.7	3.4	5.0
51	28.8	21.7	32.5
120	24.5	19.0	28.4

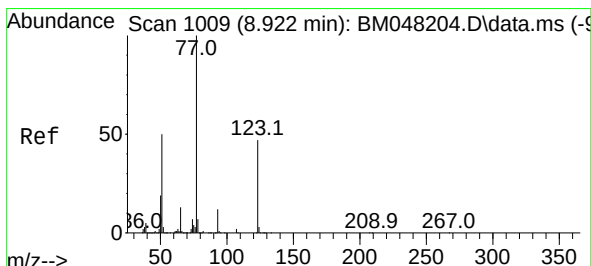
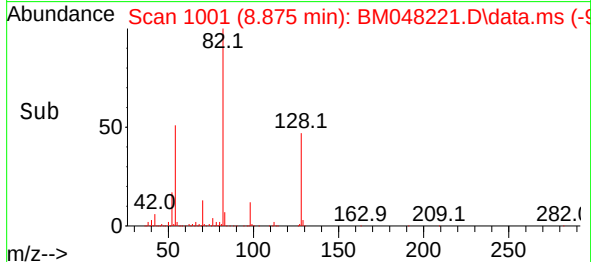
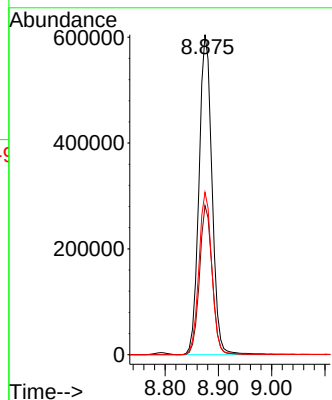
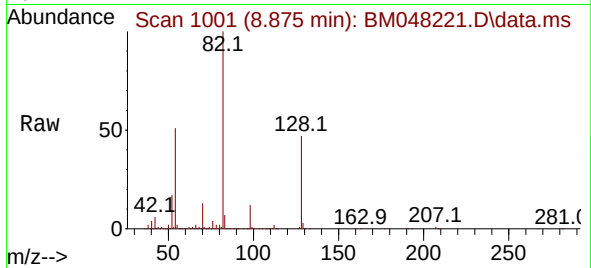




#23
Nitrobenzene-d5
Concen: 72.976 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

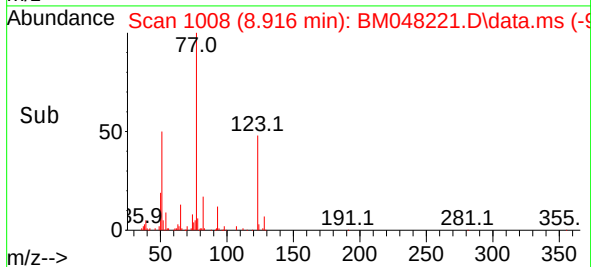
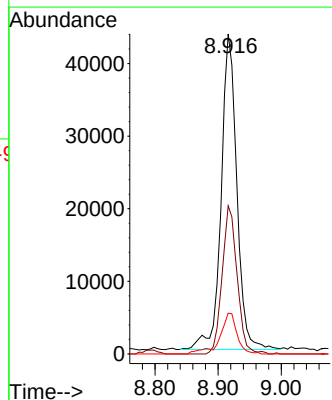
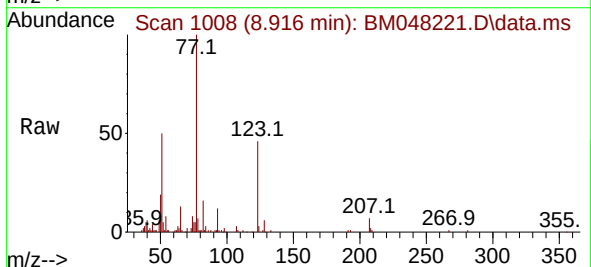
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

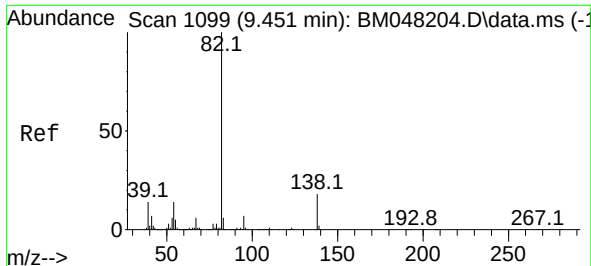
Tgt Ion: 82 Resp: 1026832
Ion Ratio Lower Upper
82 100
128 46.6 36.6 54.8
54 50.7 41.0 61.4



#24
Nitrobenzene
Concen: 5.157 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion: 77 Resp: 75177
Ion Ratio Lower Upper
77 100
123 46.3 37.8 56.6
65 12.7 10.4 15.6





#25

Isophorone

Concen: 5.015 ng

RT: 9.445 min Scan# 1099

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

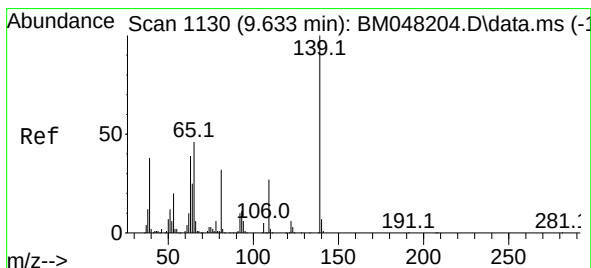
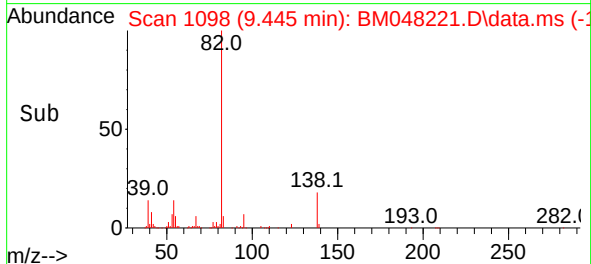
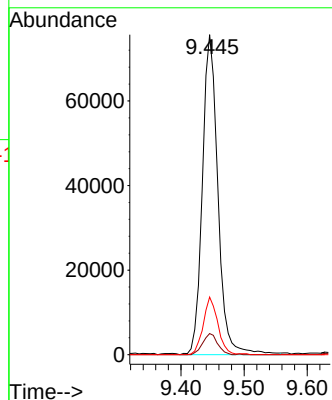
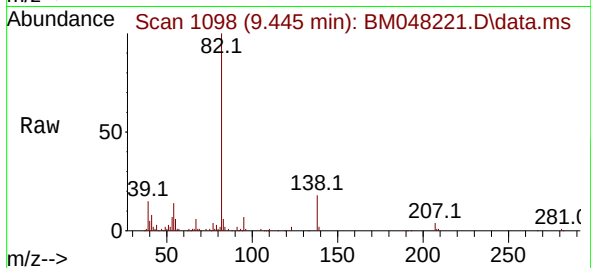
Tgt Ion: 82 Resp: 129343

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.0 14.3 21.5



#26

2-Nitrophenol

Concen: 4.345 ng

RT: 9.633 min Scan# 1130

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

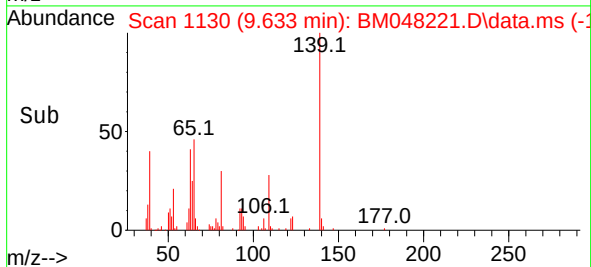
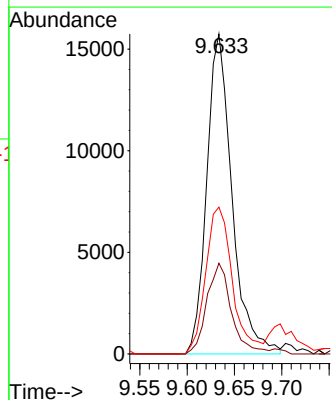
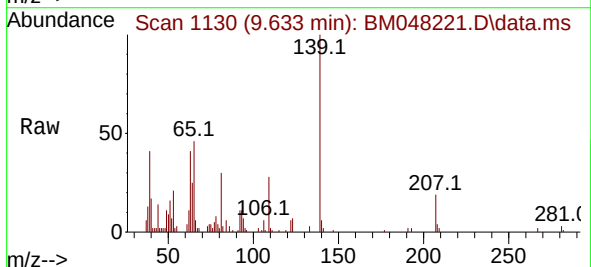
Tgt Ion:139 Resp: 29248

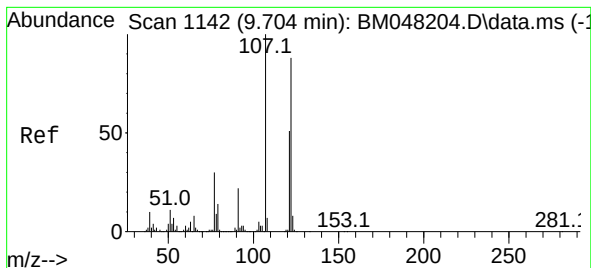
Ion Ratio Lower Upper

139 100

109 28.4 21.2 31.8

65 45.9 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 2.839 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM048221.D

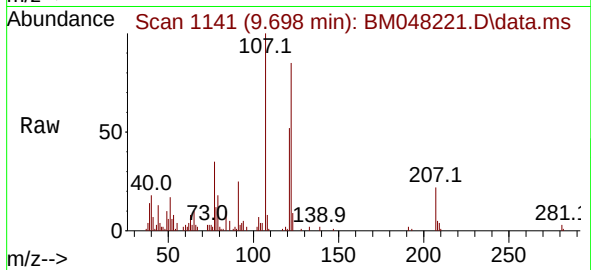
Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



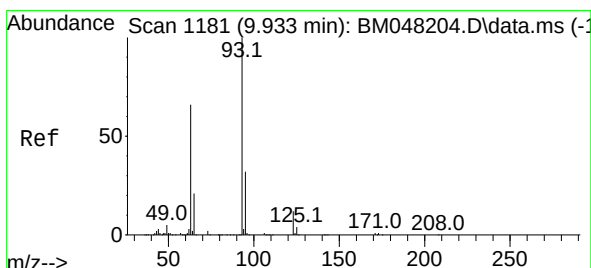
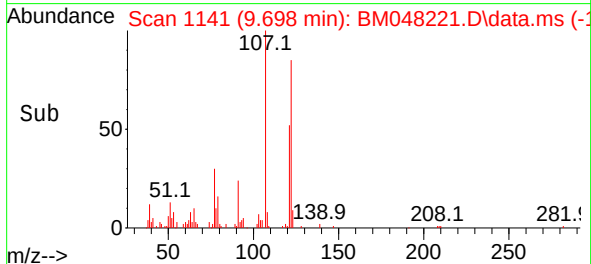
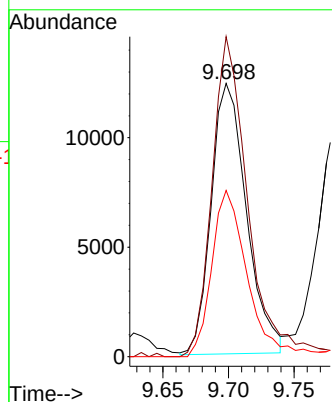
Tgt Ion:122 Resp: 23188

Ion Ratio Lower Upper

122 100

107 117.1 91.0 136.6

121 60.9 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 4.878 ng

RT: 9.928 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

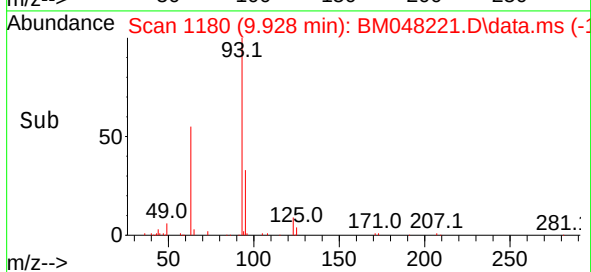
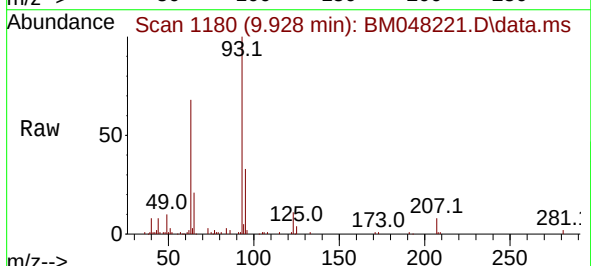
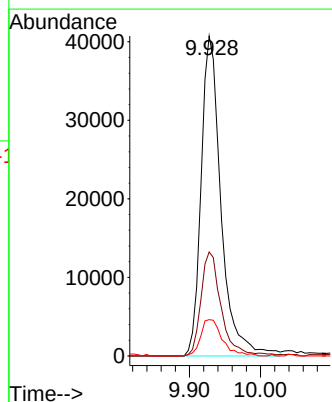
Tgt Ion: 93 Resp: 79621

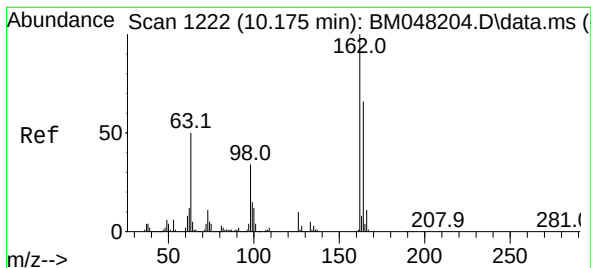
Ion Ratio Lower Upper

93 100

95 32.5 25.3 37.9

123 11.3 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 4.497 ng

RT: 10.181 min Scan# 1222

Delta R.T. 0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

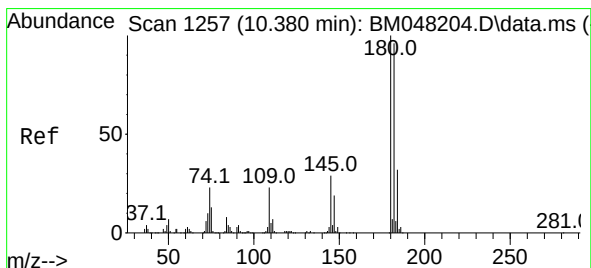
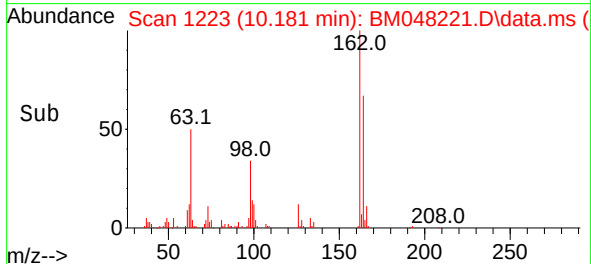
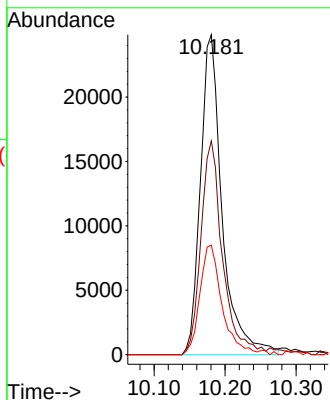
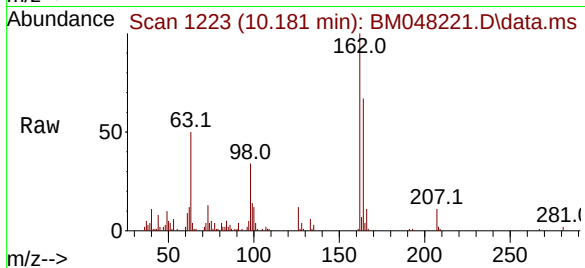
Tgt Ion:162 Resp: 52835

Ion Ratio Lower Upper

162 100

164 66.8 46.0 86.0

98 34.2 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 5.013 ng

RT: 10.375 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

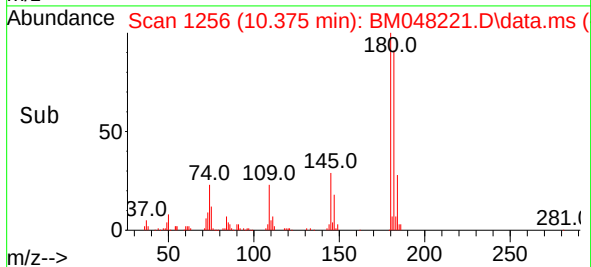
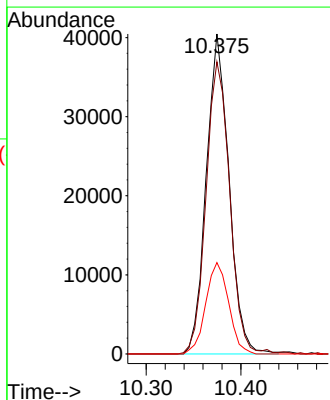
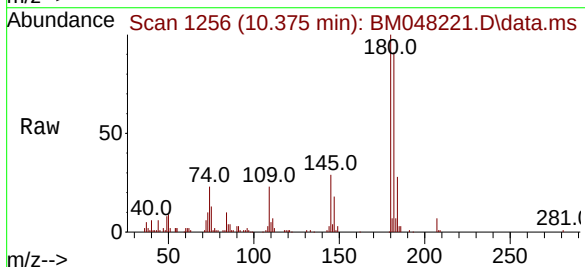
Tgt Ion:180 Resp: 67450

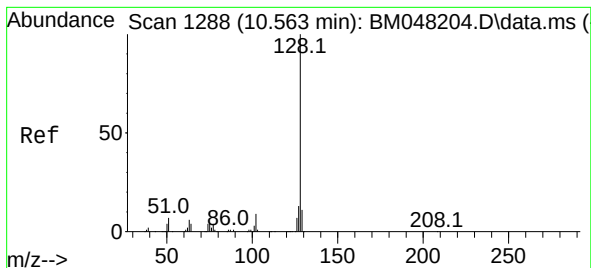
Ion Ratio Lower Upper

180 100

182 91.3 76.6 115.0

145 28.5 23.4 35.2





#31

Naphthalene

Concen: 5.000 ng

RT: 10.557 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

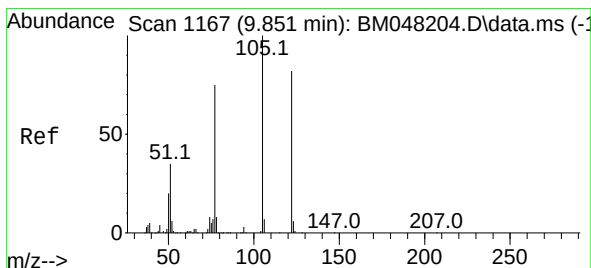
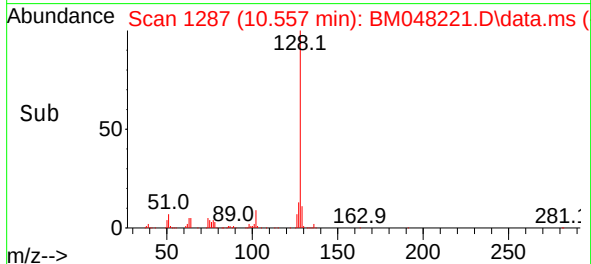
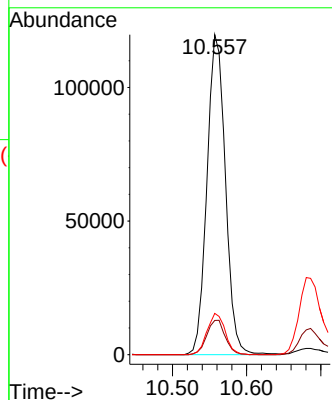
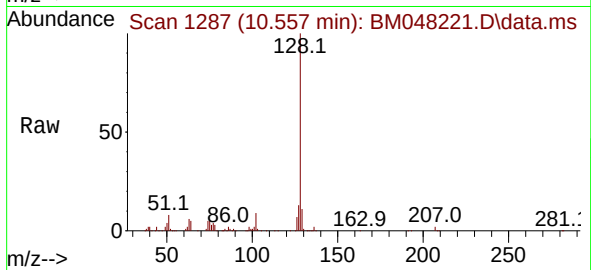
Tgt Ion:128 Resp: 207204

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 12.9 10.2 15.2



#32

Benzoic acid

Concen: 2.999 ng

RT: 9.781 min Scan# 1155

Delta R.T. -0.070 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

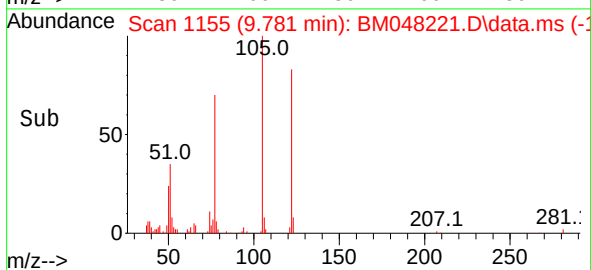
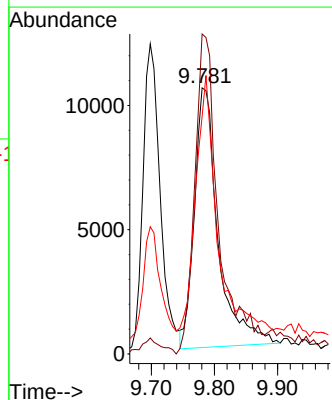
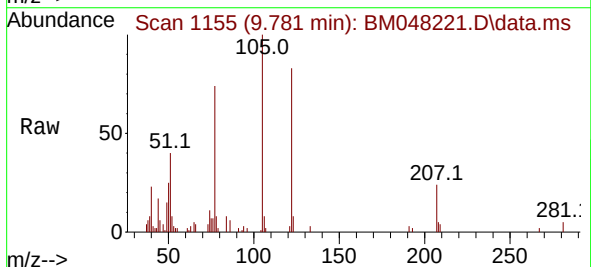
Tgt Ion:122 Resp: 27267

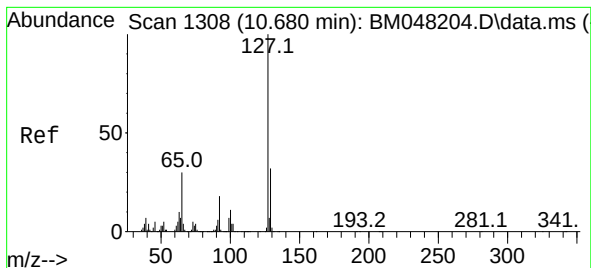
Ion Ratio Lower Upper

122 100

105 120.2 99.3 139.3

77 89.3 70.4 110.4





#33

4-Chloroaniline

Concen: 5.086 ng

RT: 10.681 min Scan# 1308

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 68357

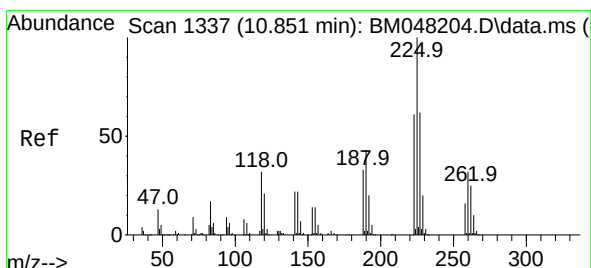
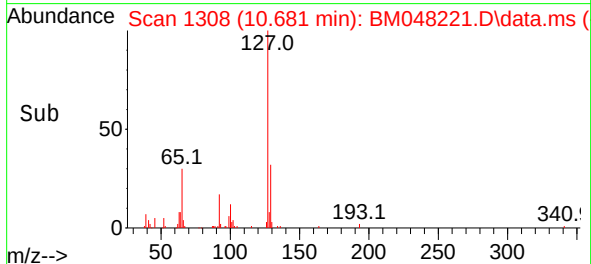
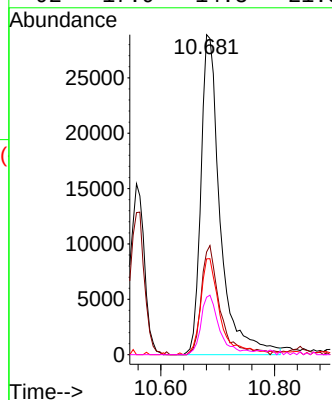
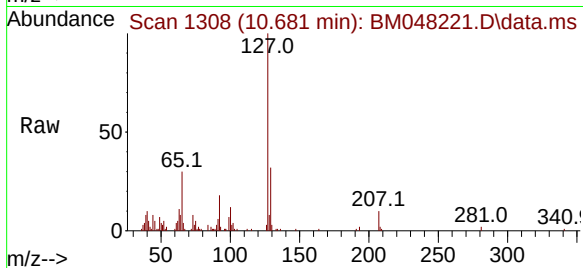
Ion Ratio Lower Upper

127 100

129 32.1 25.8 38.6

65 29.9 23.7 35.5

92 17.9 14.3 21.5



#34

Hexachlorobutadiene

Concen: 4.779 ng

RT: 10.845 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

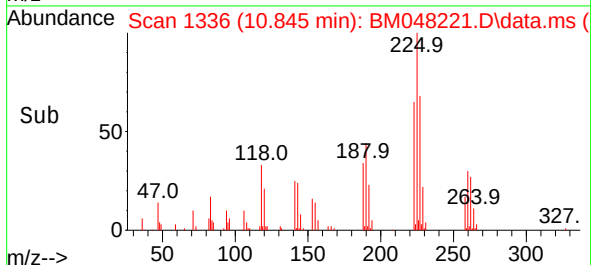
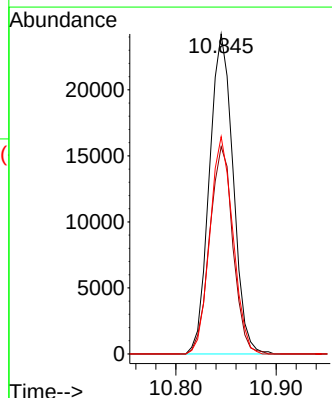
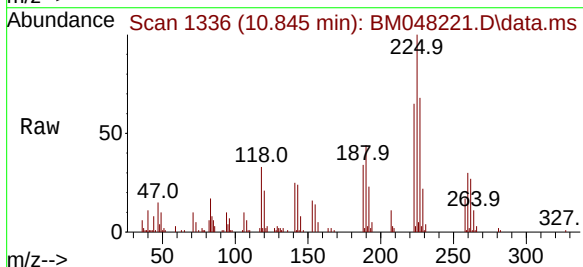
Tgt Ion:225 Resp: 39850

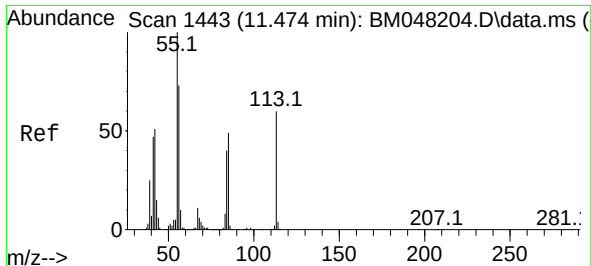
Ion Ratio Lower Upper

225 100

223 64.8 48.6 73.0

227 67.9 49.6 74.4





#35

Caprolactam

Concen: 4.092 ng

RT: 11.457 min Scan# 1440

Delta R.T. -0.018 min

Lab File: BM048221.D

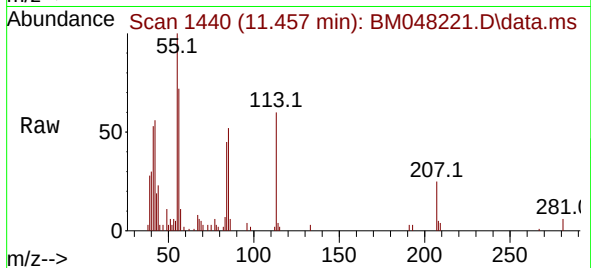
Acq: 24 Oct 2024 17:48

Instrument :

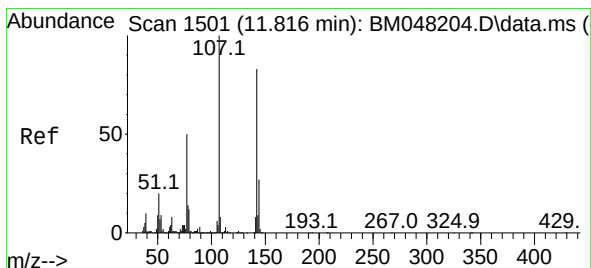
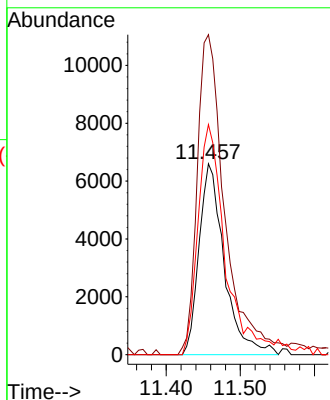
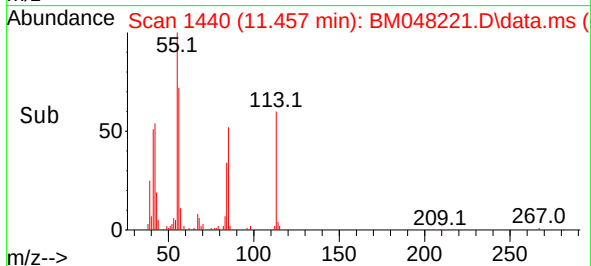
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:	113	Resp:	15615
Ion Ratio	Lower	Upper	
113	100		
55	167.7	146.1	186.1
56	120.6	101.9	141.9



#36

4-Chloro-3-methylphenol

Concen: 4.557 ng

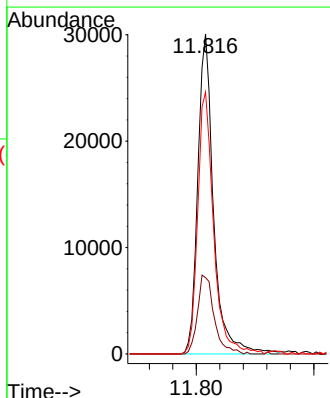
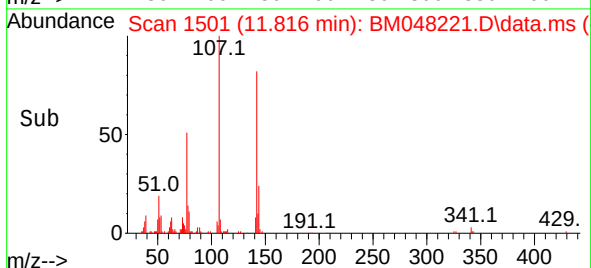
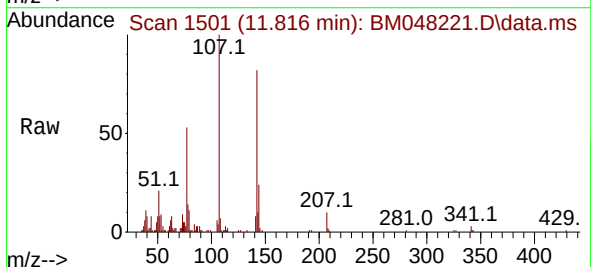
RT: 11.816 min Scan# 1501

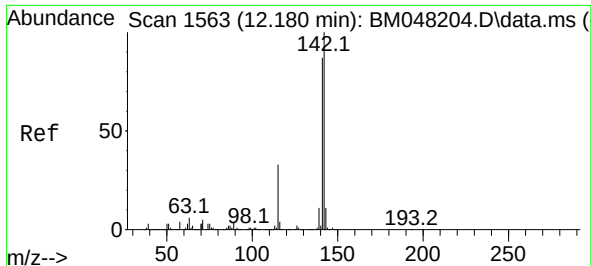
Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Tgt Ion:	107	Resp:	55892
Ion Ratio	Lower	Upper	
107	100		
144	23.9	21.5	32.3
142	81.8	66.8	100.2

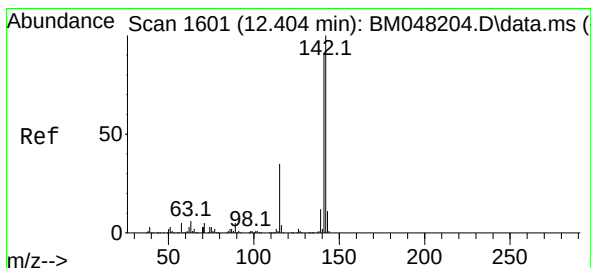
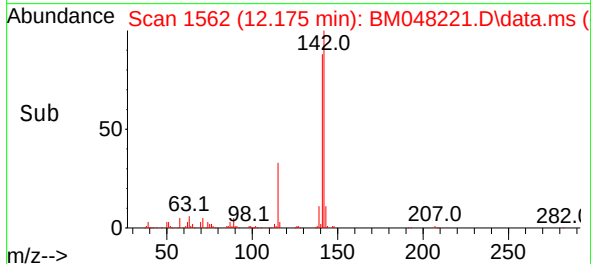
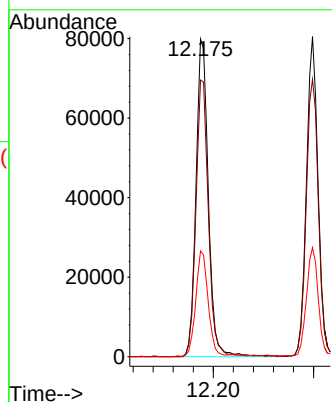
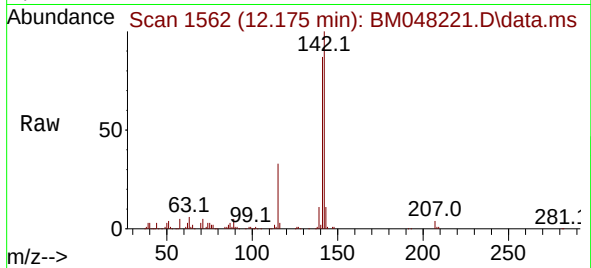




#37
2-Methylnaphthalene
Concen: 4.923 ng
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

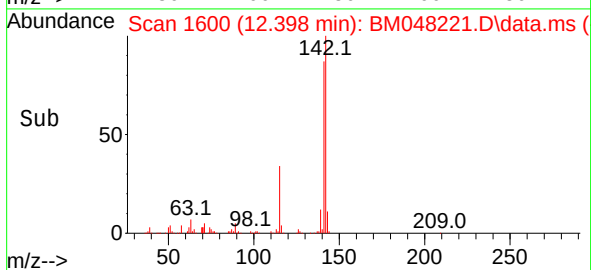
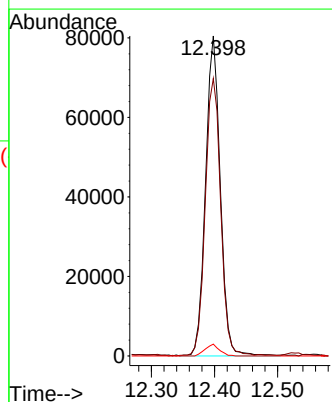
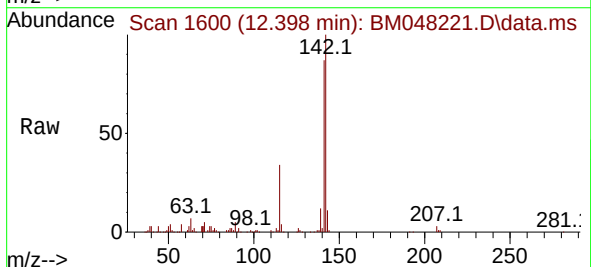
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

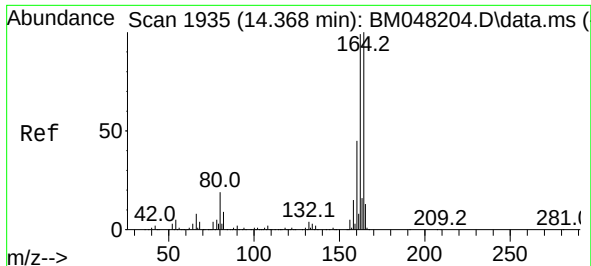
Tgt Ion:142 Resp: 136286
Ion Ratio Lower Upper
142 100
141 87.1 69.8 104.6
115 33.3 26.3 39.5



#38
1-Methylnaphthalene
Concen: 4.763 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:142 Resp: 130751
Ion Ratio Lower Upper
142 100
141 86.7 72.7 109.1
116 3.7 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: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

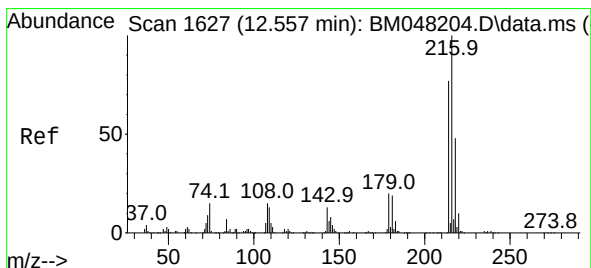
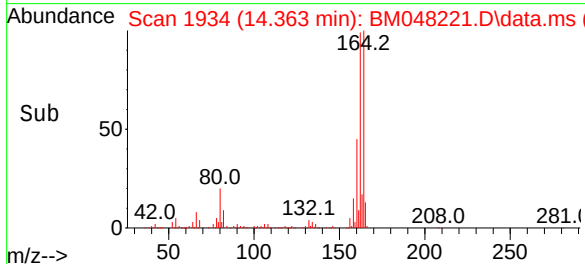
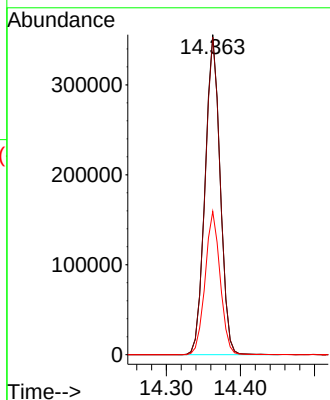
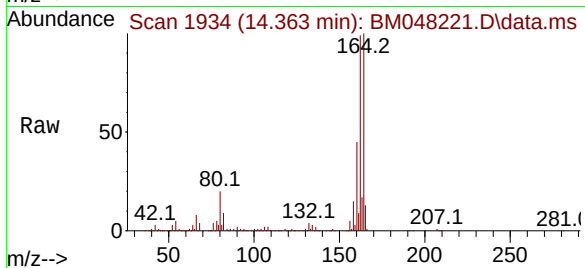
Tgt Ion:164 Resp: 501625

Ion Ratio Lower Upper

164 100

162 99.2 79.1 118.7

160 44.8 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.123 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Tgt Ion:216 Resp: 73446

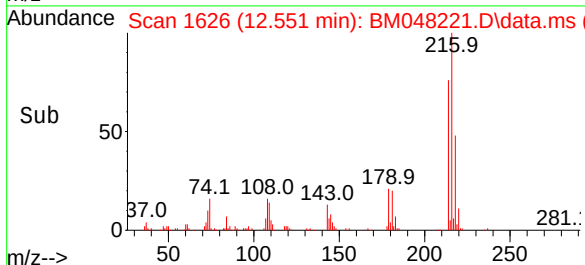
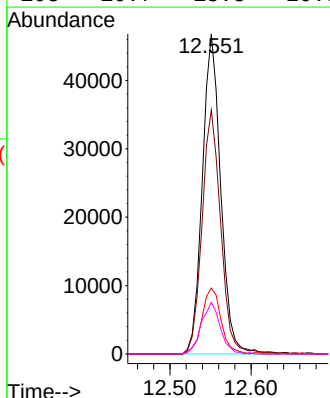
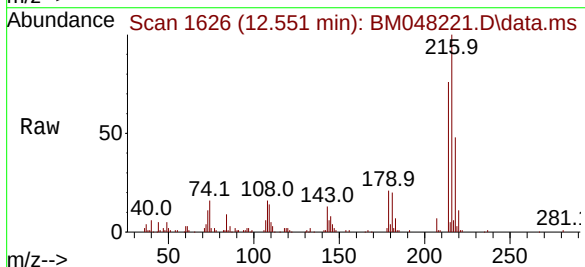
Ion Ratio Lower Upper

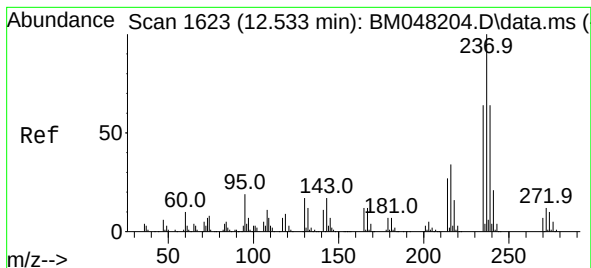
216 100

214 77.6 62.2 93.2

179 21.3 16.0 24.0

108 16.7 13.8 20.8

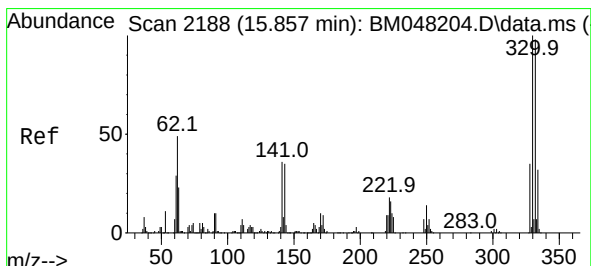
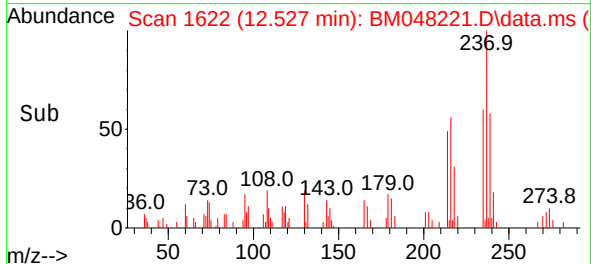
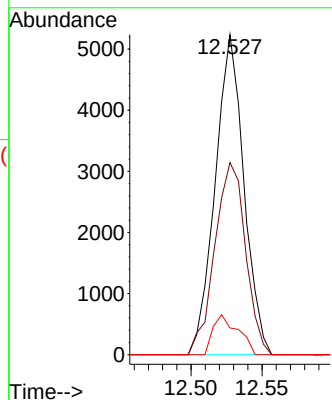
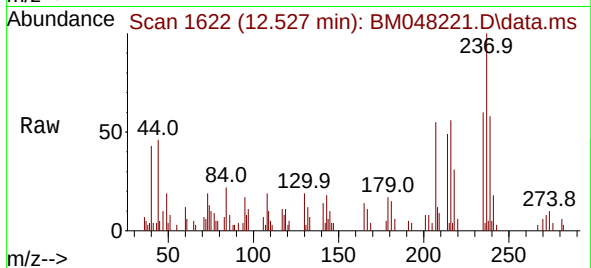




#41
Hexachlorocyclopentadiene
Concen: 1.517 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

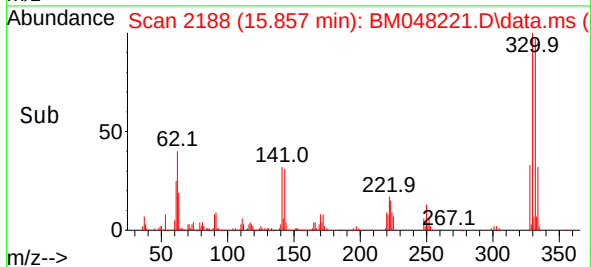
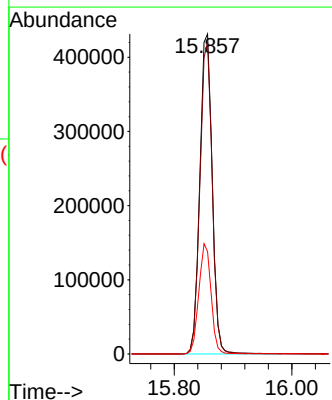
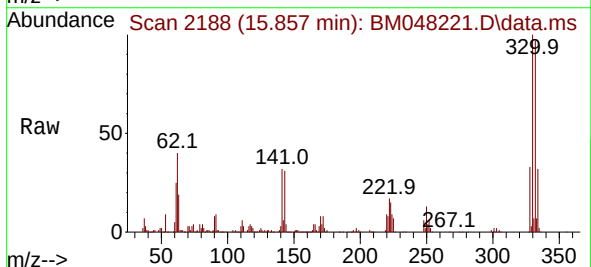
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

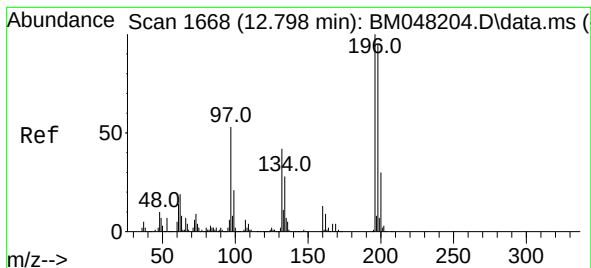
Tgt Ion:237 Resp: 7359
Ion Ratio Lower Upper
237 100
235 60.0 44.2 84.2
272 8.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 102.513 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:330 Resp: 629420
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 34.2 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 4.504 ng

RT: 12.798 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

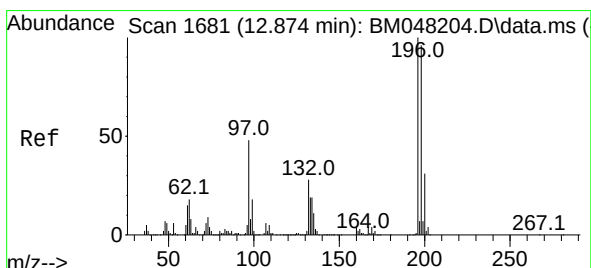
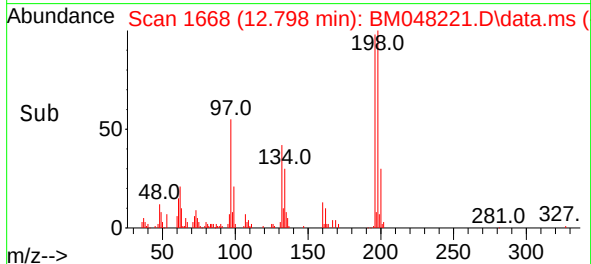
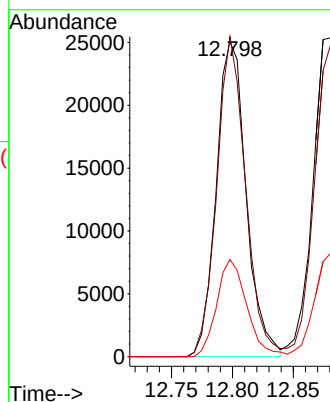
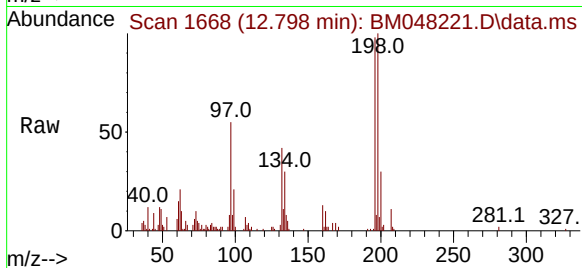
Tgt Ion:196 Resp: 42852

Ion Ratio Lower Upper

196 100

198 101.5 76.2 114.2

200 30.8 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 4.510 ng

RT: 12.880 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Tgt Ion:196 Resp: 47856

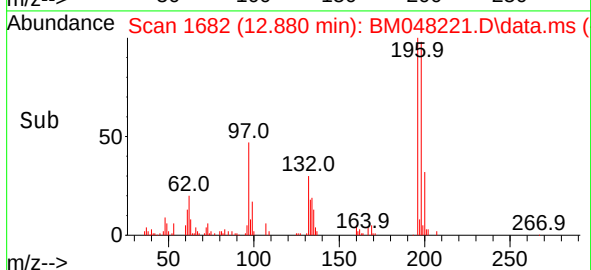
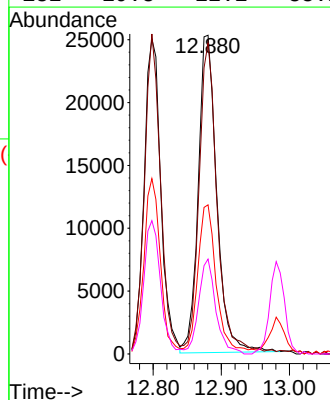
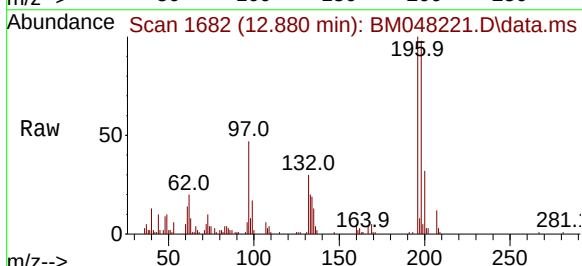
Ion Ratio Lower Upper

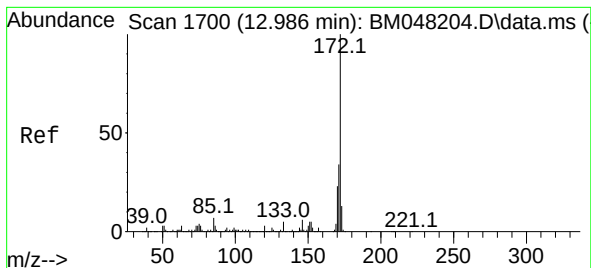
196 100

198 97.6 76.7 115.1

97 46.8 38.5 57.7

132 29.8 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 73.036 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

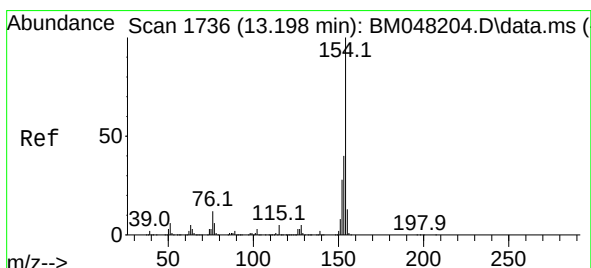
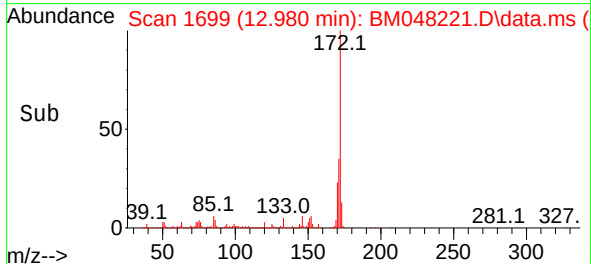
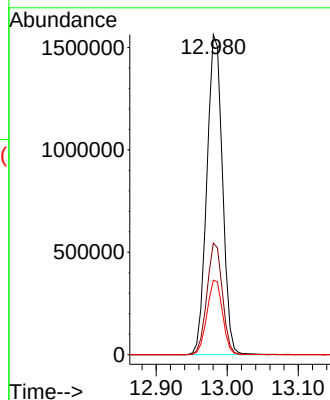
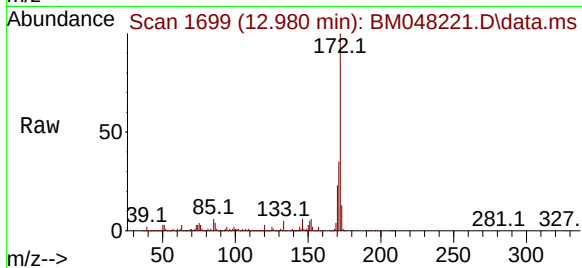
Tgt Ion:172 Resp: 2387527

Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 5.383 ng

RT: 13.192 min Scan# 1735

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

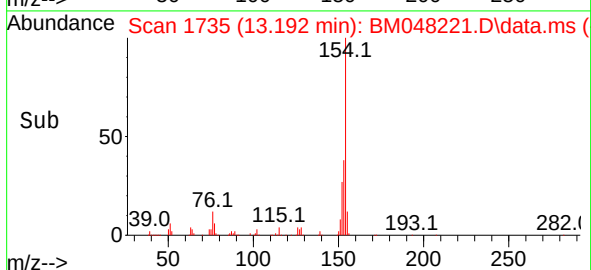
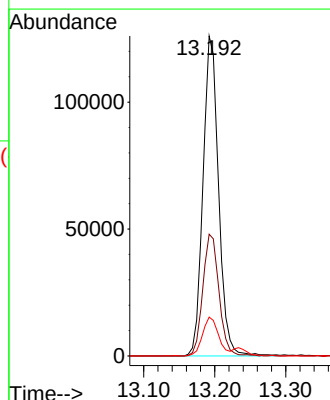
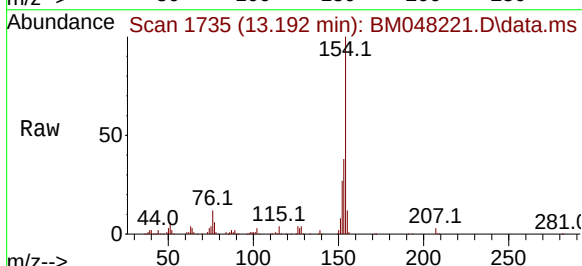
Tgt Ion:154 Resp: 192778

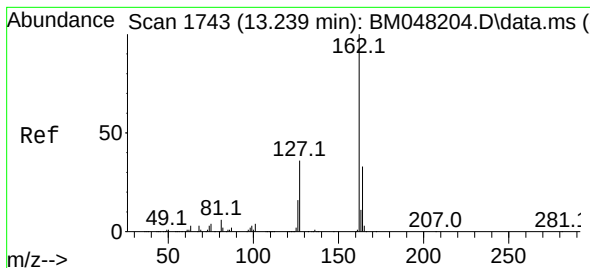
Ion Ratio Lower Upper

154 100

153 38.1 19.9 59.9

76 12.1 0.0 32.4





#47

2-Chloronaphthalene

Concen: 4.992 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

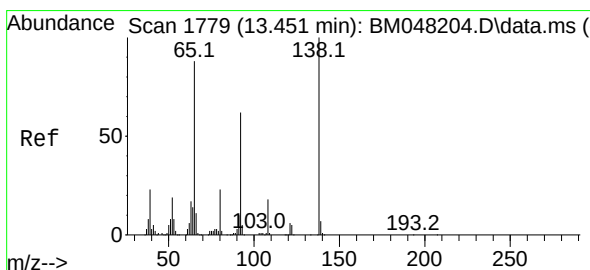
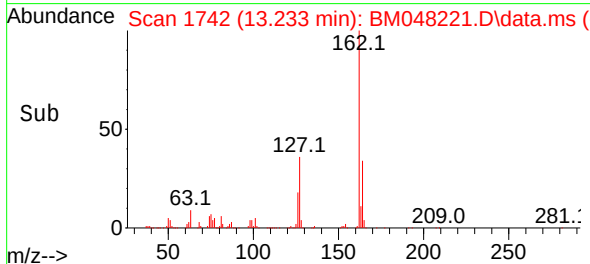
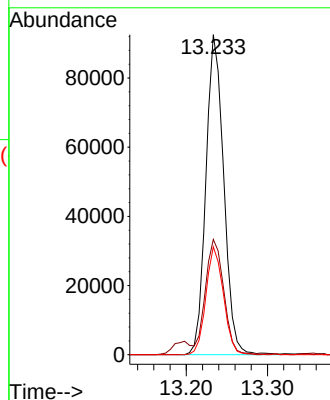
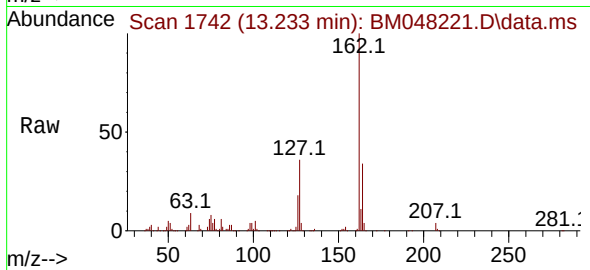
Tgt Ion:162 Resp: 140982

Ion Ratio Lower Upper

162 100

127 36.0 31.0 46.6

164 33.7 26.2 39.4



#48

2-Nitroaniline

Concen: 4.317 ng

RT: 13.451 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

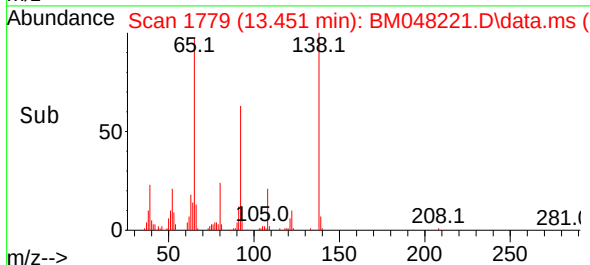
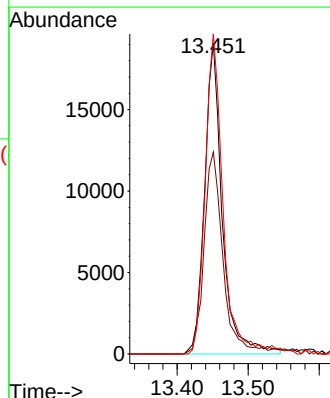
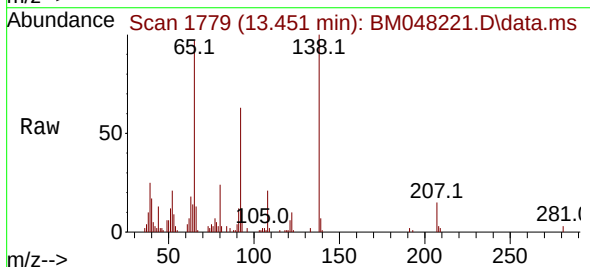
Tgt Ion: 65 Resp: 33065

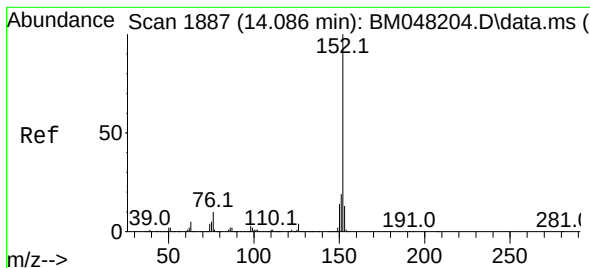
Ion Ratio Lower Upper

65 100

92 64.9 56.0 84.0

138 102.9 90.8 136.2





#49

Acenaphthylene

Concen: 5.298 ng

RT: 14.086 min Scan# 1887

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

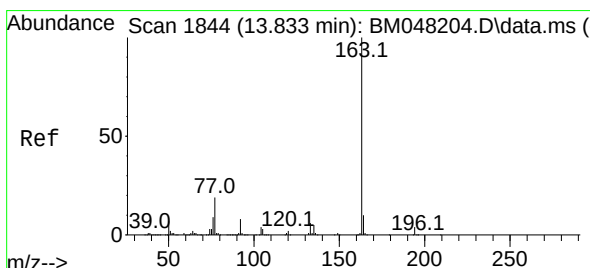
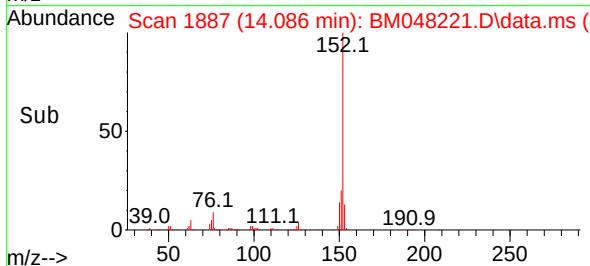
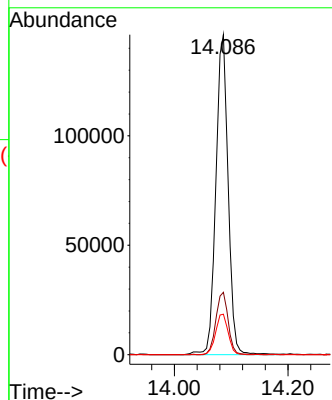
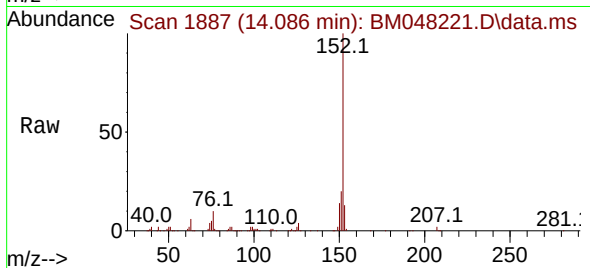
Tgt Ion:152 Resp: 218256

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.2

153 12.7 10.5 15.7



#50

Dimethylphthalate

Concen: 5.045 ng

RT: 13.821 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

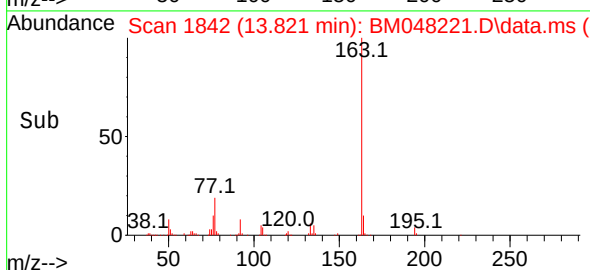
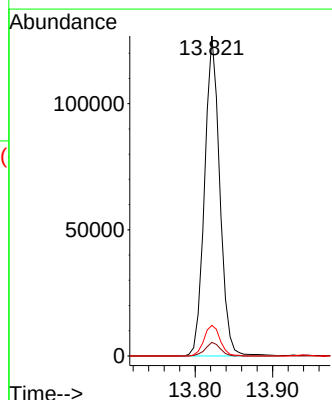
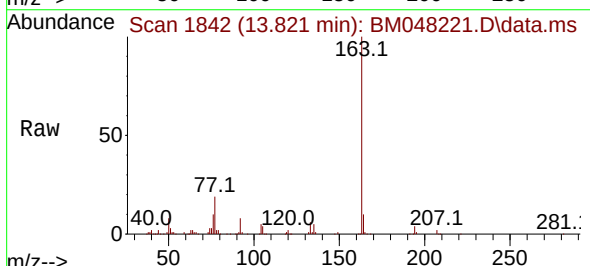
Tgt Ion:163 Resp: 172767

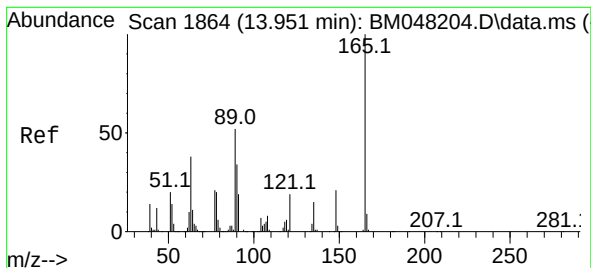
Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 9.6 7.8 11.6

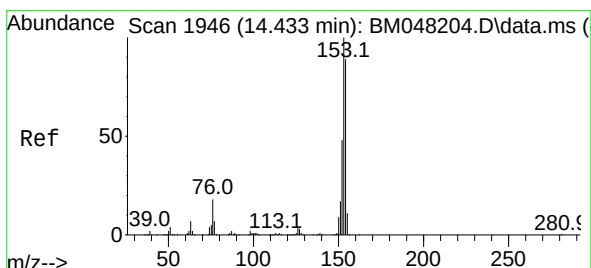
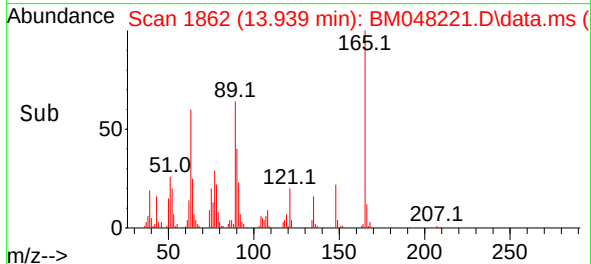
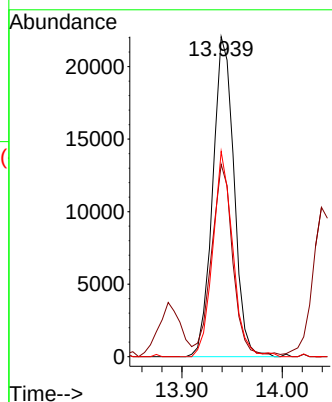
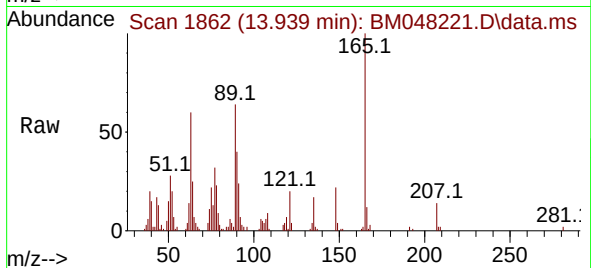




#51
2,6-Dinitrotoluene
Concen: 4.250 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

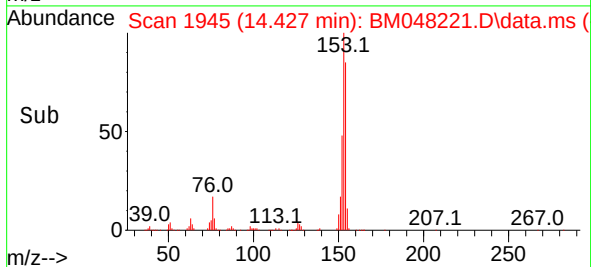
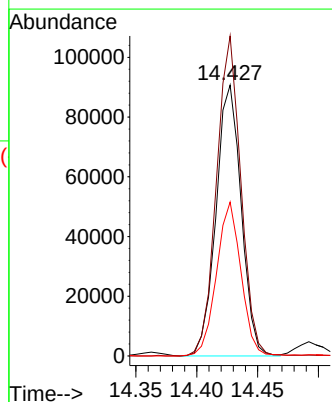
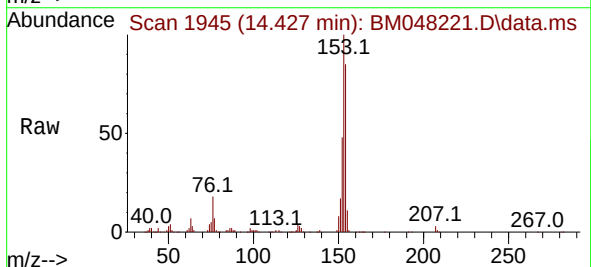
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

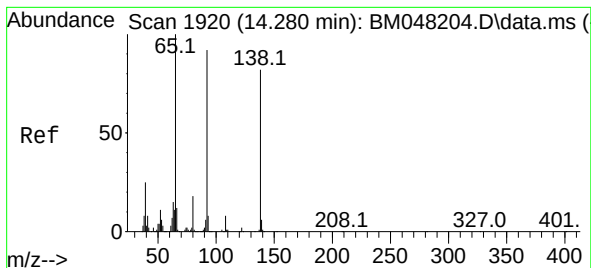
Tgt Ion:165 Resp: 32471
Ion Ratio Lower Upper
165 100
63 60.1 39.5 59.3#
89 64.2 41.8 62.6#



#52
Acenaphthene
Concen: 4.995 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:154 Resp: 130756
Ion Ratio Lower Upper
154 100
153 118.1 90.4 135.6
152 56.8 43.6 65.4





#53

3-Nitroaniline

Concen: 3.968 ng

RT: 14.280 min Scan# 1920

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

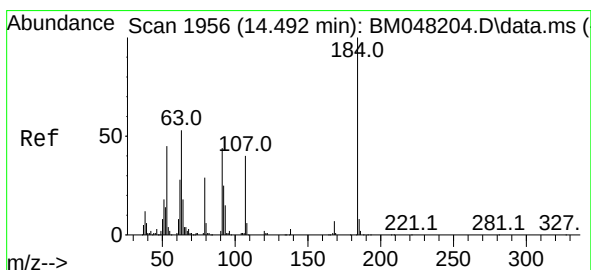
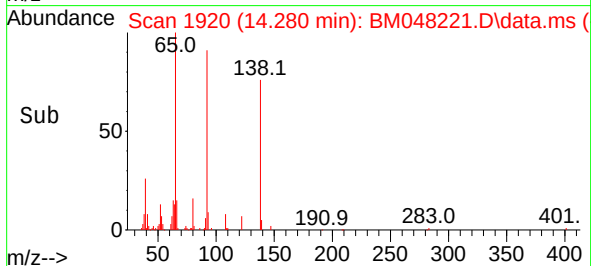
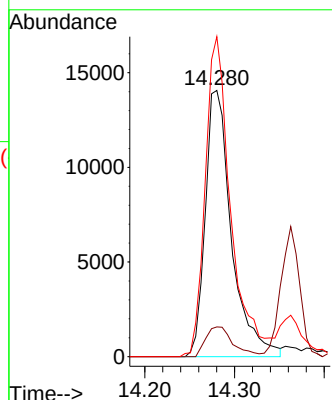
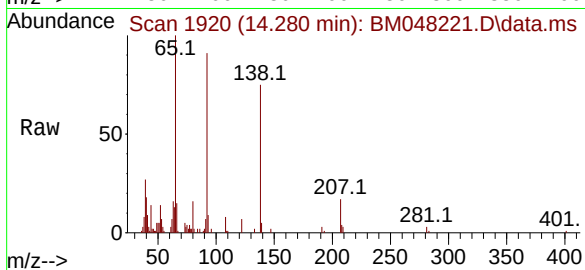
Tgt Ion:138 Resp: 28593

Ion Ratio Lower Upper

138 100

108 11.2 7.5 11.3

92 120.2 89.7 134.5



#54

2,4-Dinitrophenol

Concen: 2.930 ng

RT: 14.492 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

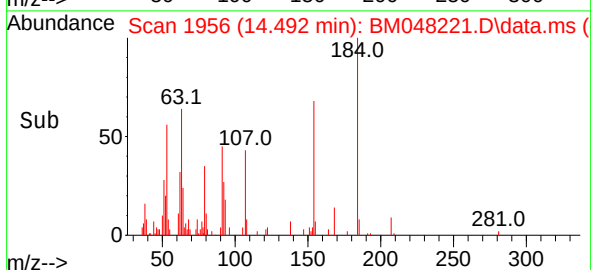
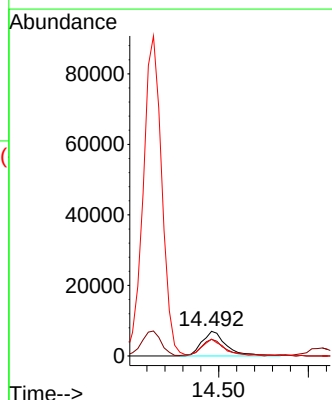
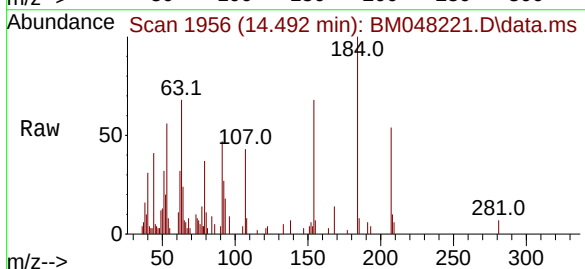
Tgt Ion:184 Resp: 13083

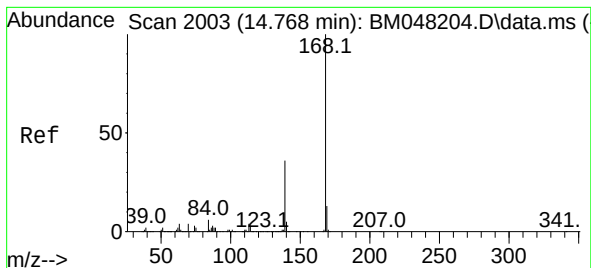
Ion Ratio Lower Upper

184 100

63 67.6 47.2 70.8

154 67.9 46.0 69.0





#55

Dibenzenofuran

Concen: 5.264 ng

RT: 14.763 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

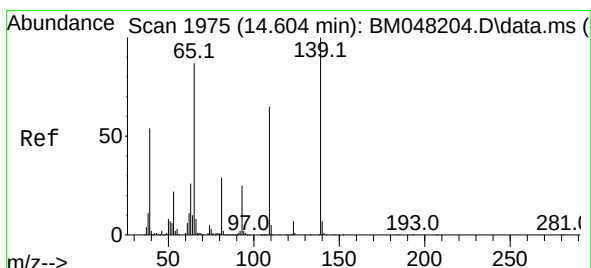
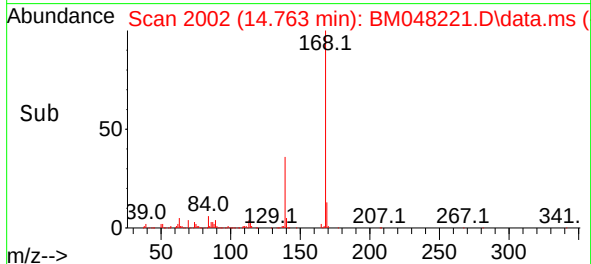
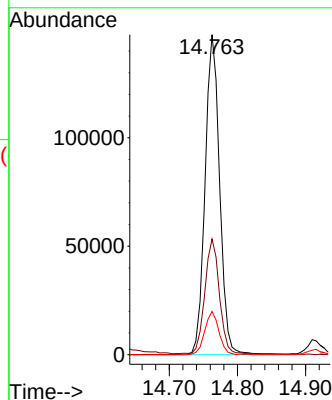
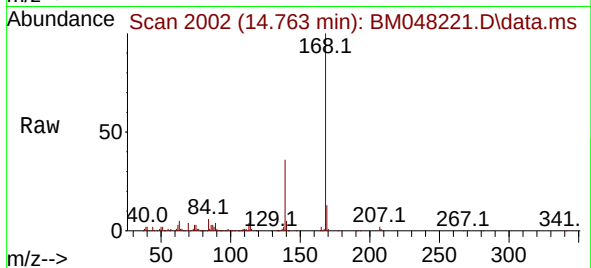
Tgt Ion:168 Resp: 218914

Ion Ratio Lower Upper

168 100

139 36.1 29.0 43.6

169 13.5 10.4 15.6



#56

4-Nitrophenol

Concen: 3.128 ng

RT: 14.616 min Scan# 1977

Delta R.T. 0.012 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

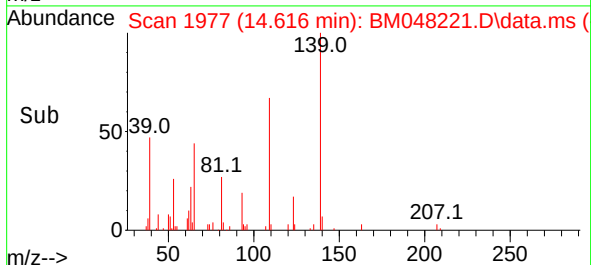
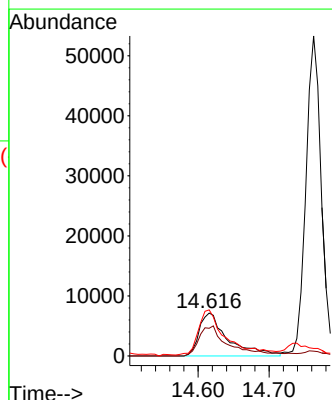
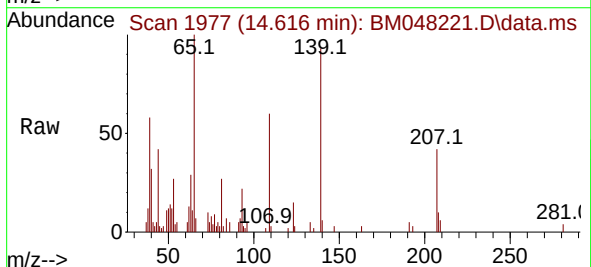
Tgt Ion:139 Resp: 20117

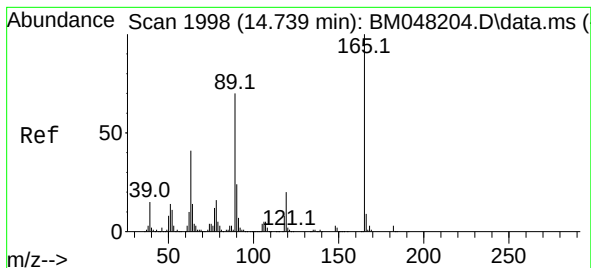
Ion Ratio Lower Upper

139 100

109 64.6 45.4 85.4

65 107.6 67.3 107.3#





#57

2,4-Dinitrotoluene

Concen: 3.907 ng

RT: 14.739 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 39425

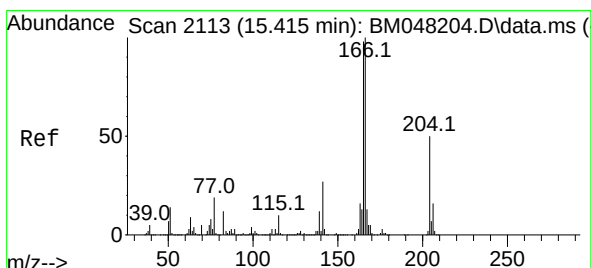
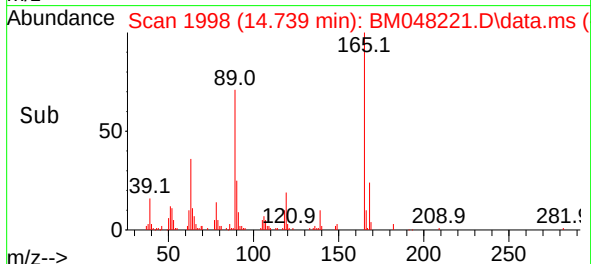
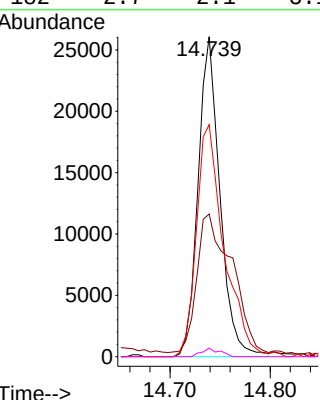
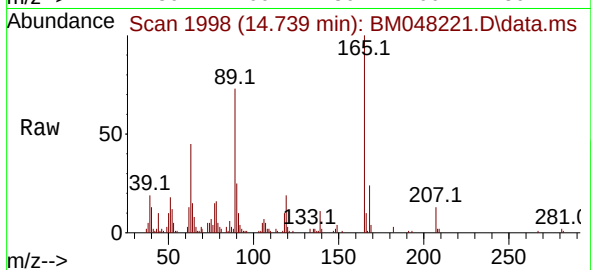
Ion Ratio Lower Upper

165 100

63 44.6 33.0 49.4

89 72.5 55.8 83.6

182 2.7 2.1 3.1



#58

Fluorene

Concen: 5.190 ng

RT: 15.410 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

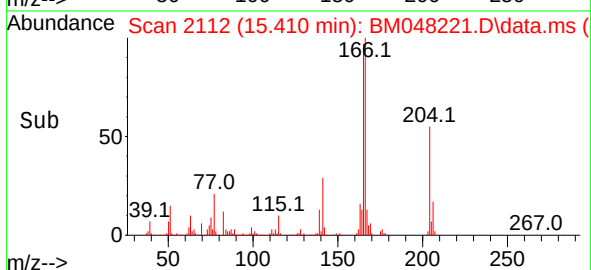
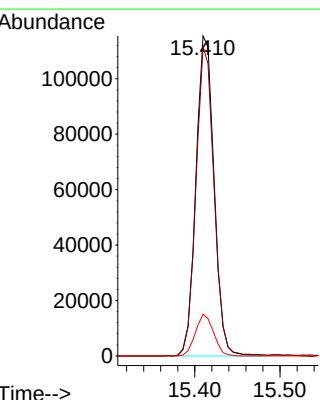
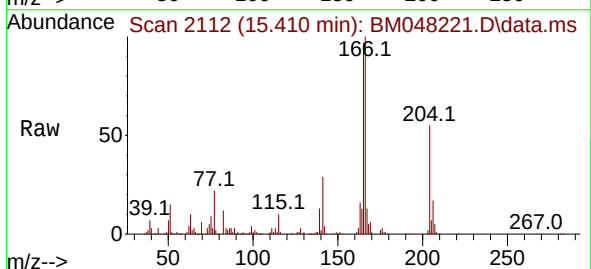
Tgt Ion:166 Resp: 170696

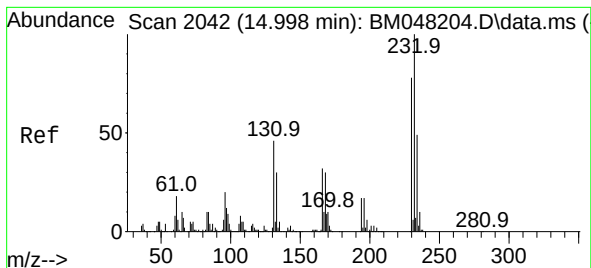
Ion Ratio Lower Upper

166 100

165 96.7 78.4 117.6

167 13.1 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.965 ng

RT: 14.998 min Scan# 2042

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:232 Resp: 43663

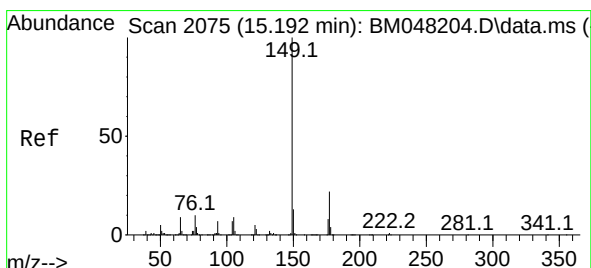
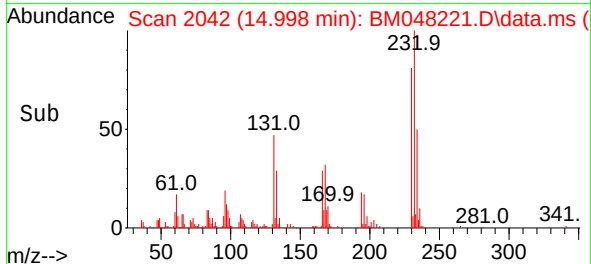
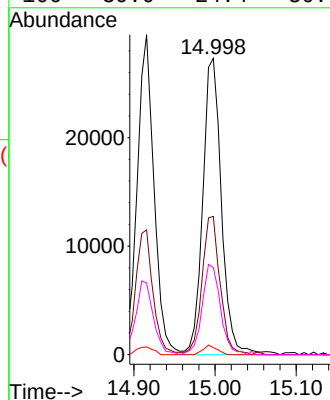
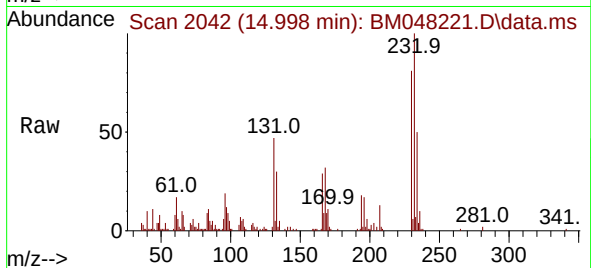
Ion Ratio Lower Upper

232 100

131 44.8 35.5 53.3

130 2.4 1.8 2.6

166 30.0 24.4 36.6



#60

Diethylphthalate

Concen: 4.918 ng

RT: 15.186 min Scan# 2074

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

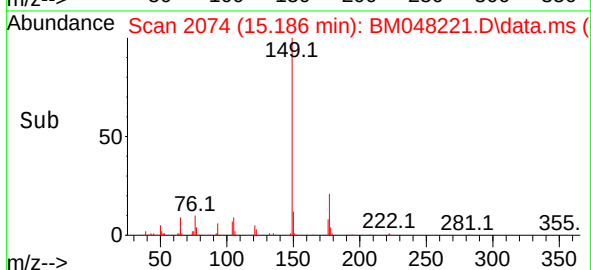
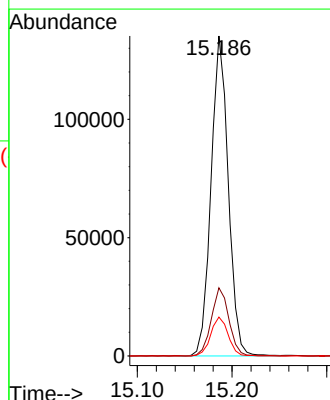
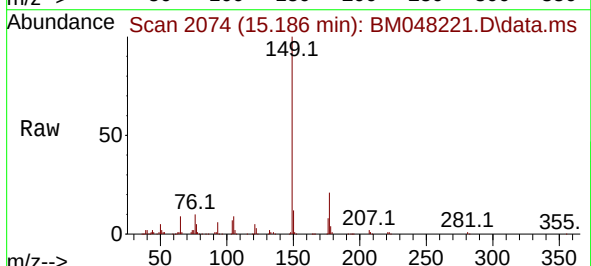
Tgt Ion:149 Resp: 170511

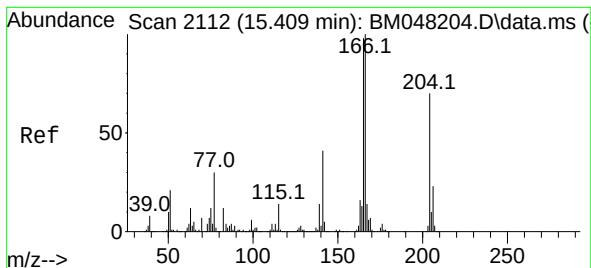
Ion Ratio Lower Upper

149 100

177 21.3 17.5 26.3

150 12.2 10.1 15.1

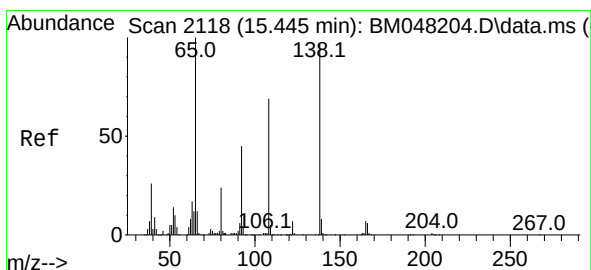
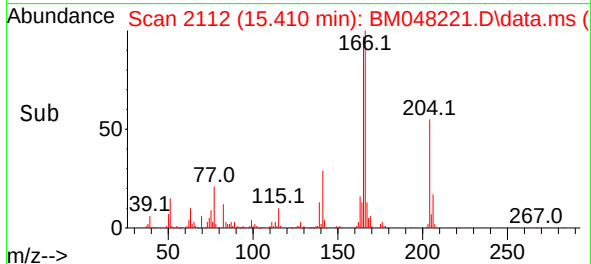
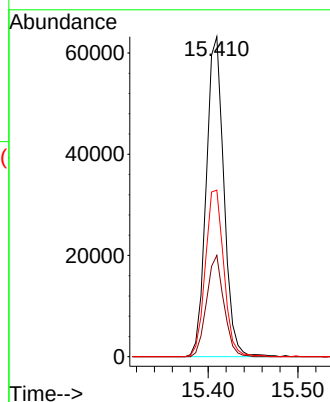
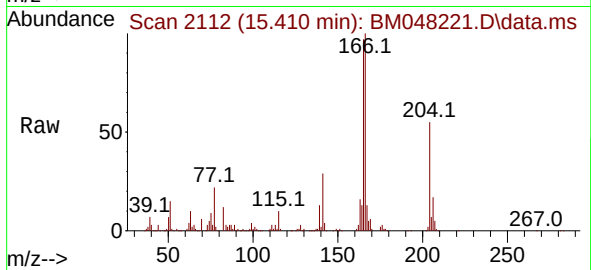




#61
4-Chlorophenyl-phenylether
Concen: 5.251 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

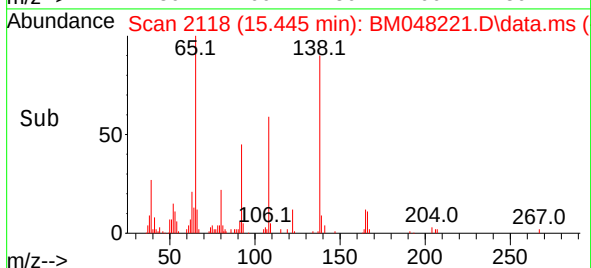
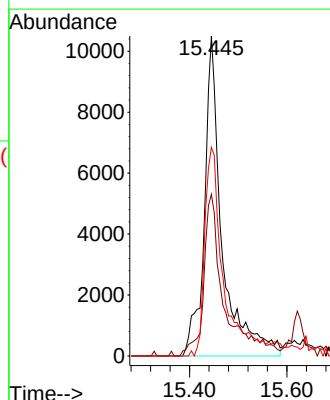
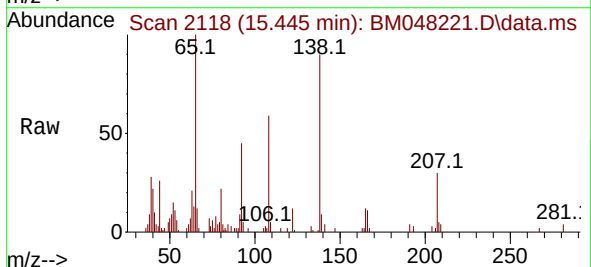
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

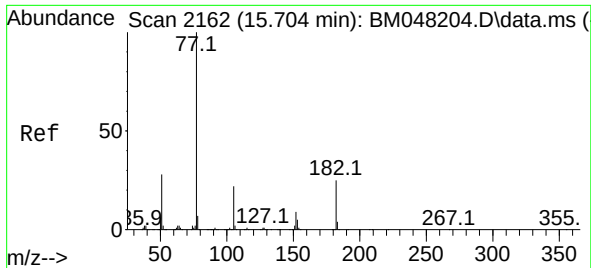
Tgt Ion:204 Resp: 86338
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.4
141 52.1 47.0 70.6



#62
4-Nitroaniline
Concen: 3.588 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:138 Resp: 26756
Ion Ratio Lower Upper
138 100
92 50.6 26.9 66.9
108 65.2 51.3 91.3

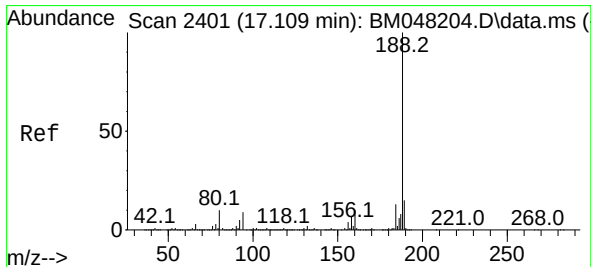
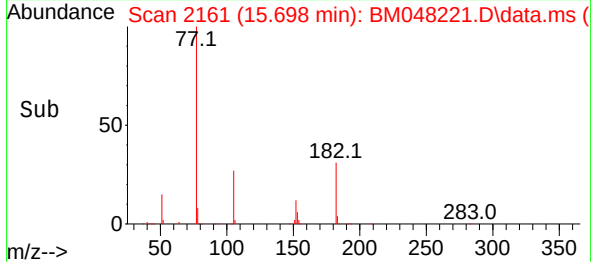
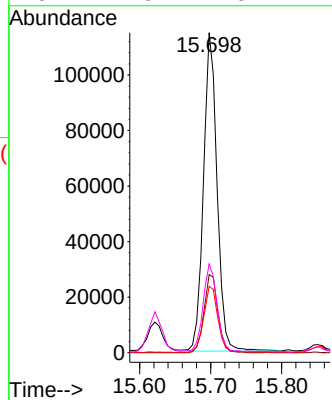
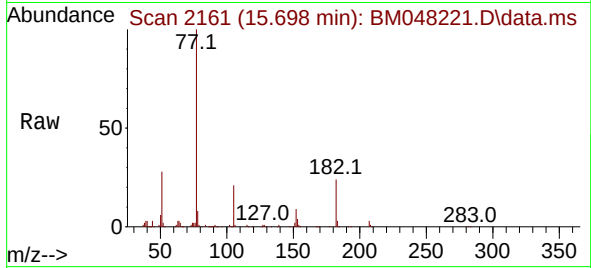




#63
Azobenzene
Concen: 4.918 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

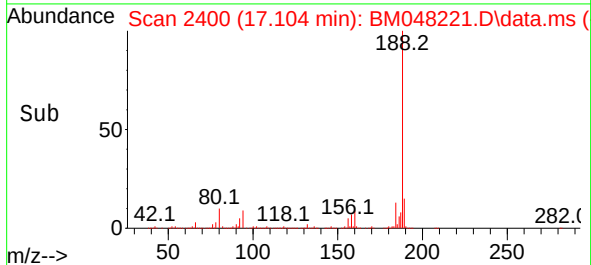
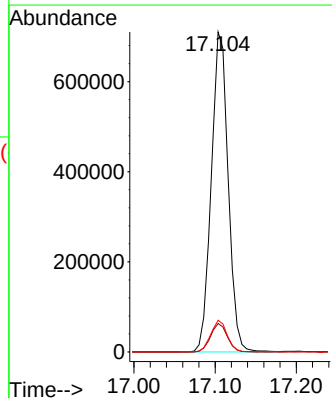
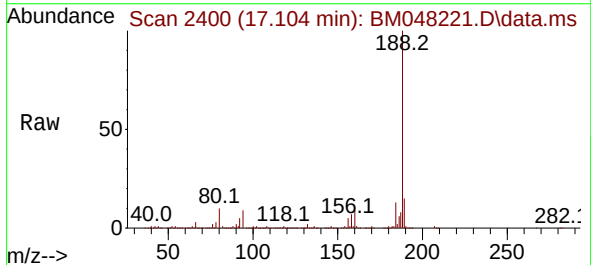
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

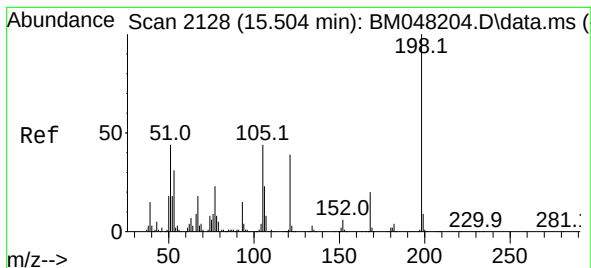
Tgt Ion: 77 Resp: 152834
Ion Ratio Lower Upper
77 100
182 24.4 5.3 45.3
105 20.7 1.6 41.6
51 27.8 7.8 47.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:188 Resp: 1024259
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 9.9 8.0 12.0

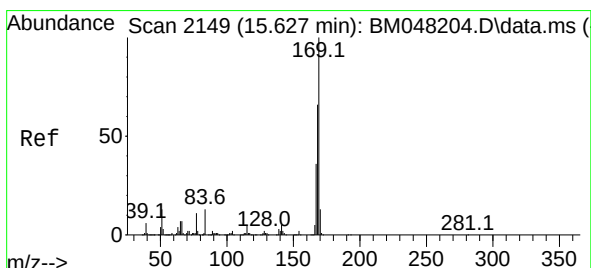
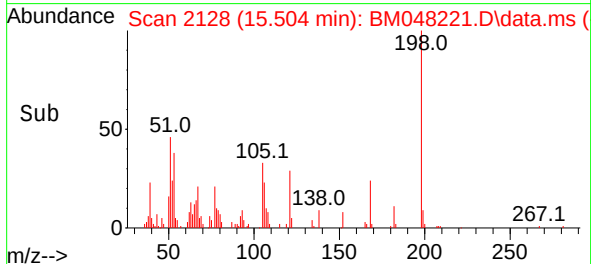
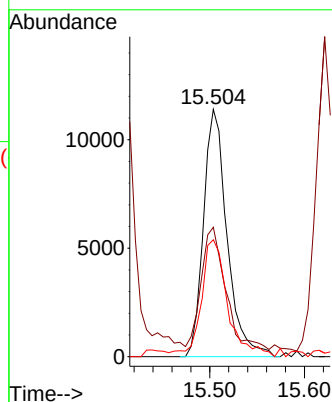
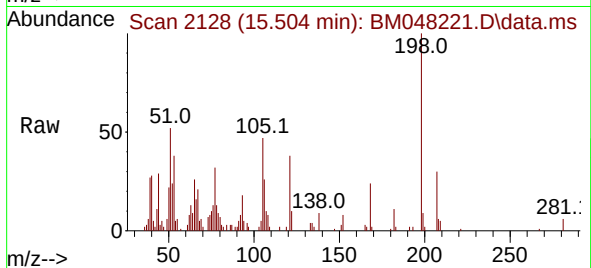




#65
4,6-Dinitro-2-methylphenol
Concen: 3.308 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

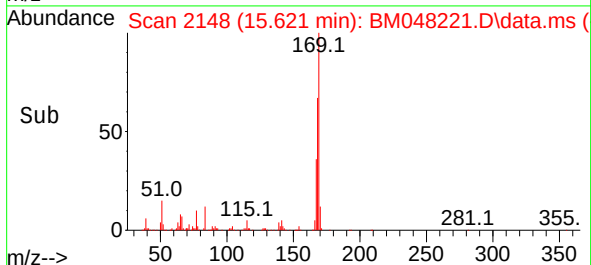
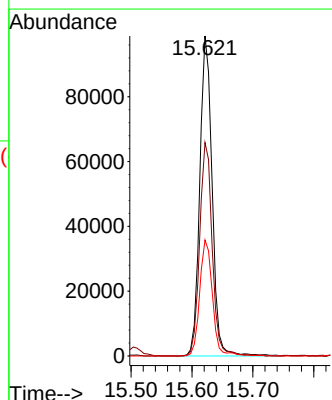
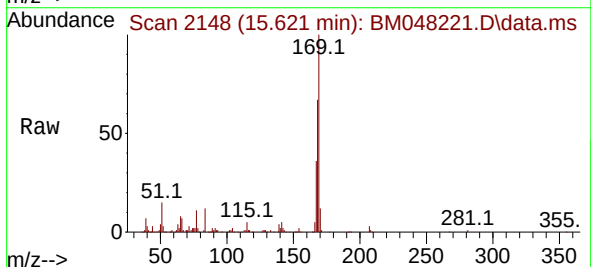
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

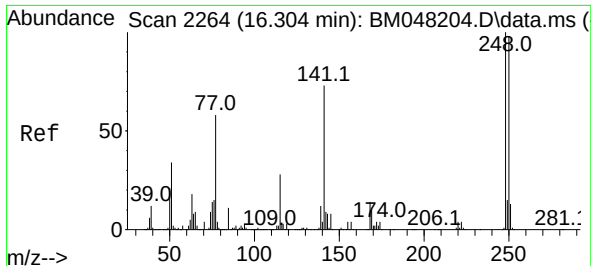
Tgt Ion:198 Resp: 19657
Ion Ratio Lower Upper
198 100
51 52.3 25.4 65.4
105 47.3 23.9 63.9



#66
n-Nitrosodiphenylamine
Concen: 4.926 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:169 Resp: 138508
Ion Ratio Lower Upper
169 100
168 66.7 52.9 79.3
167 36.3 29.3 43.9





#67

4-Bromophenyl-phenylether

Concen: 4.834 ng

RT: 16.304 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BM048221.D

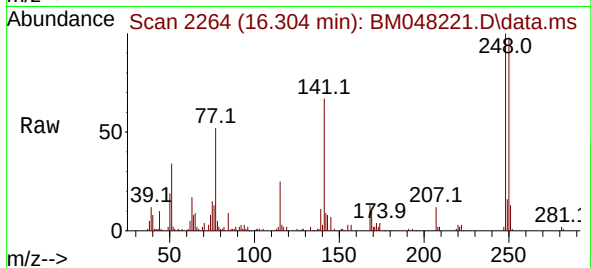
Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



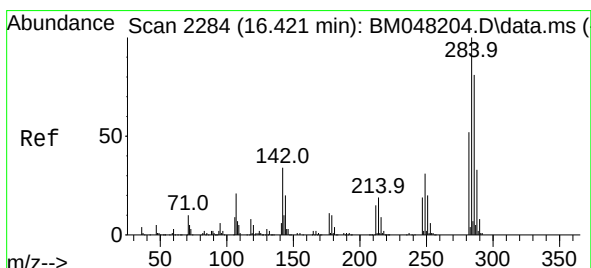
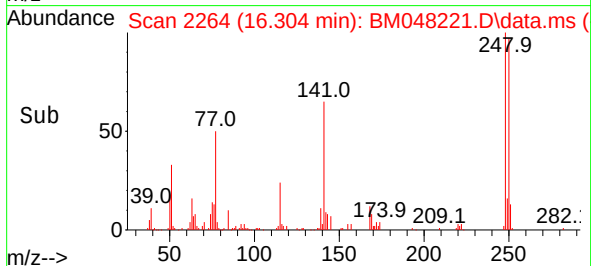
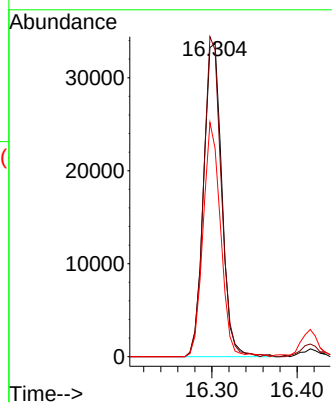
Tgt Ion:248 Resp: 50202

Ion Ratio Lower Upper

248 100

250 97.9 78.3 117.5

141 66.5 58.0 87.0



#68

Hexachlorobenzene

Concen: 4.961 ng

RT: 16.415 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

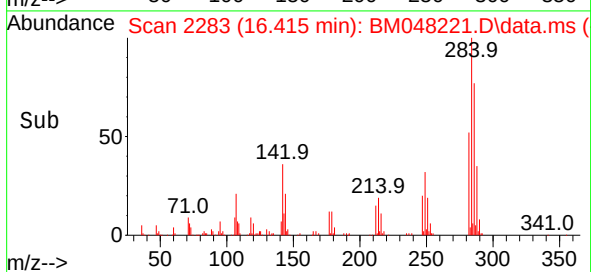
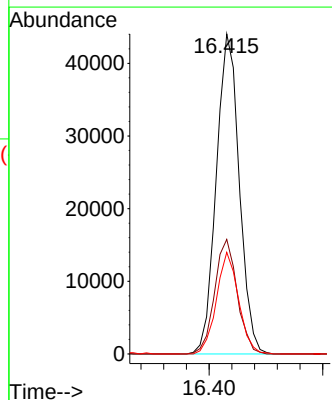
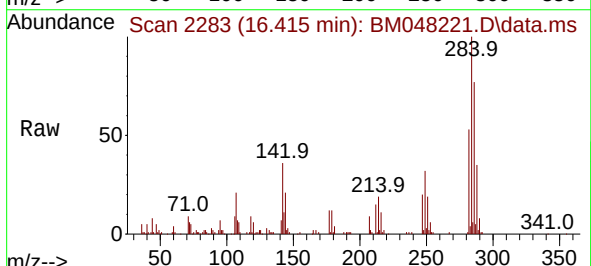
Tgt Ion:284 Resp: 61880

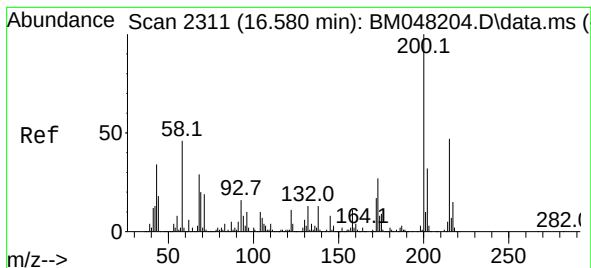
Ion Ratio Lower Upper

284 100

142 35.8 27.0 40.4

249 31.7 24.6 36.8





#69

Atrazine

Concen: 6.004 ng

RT: 16.574 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

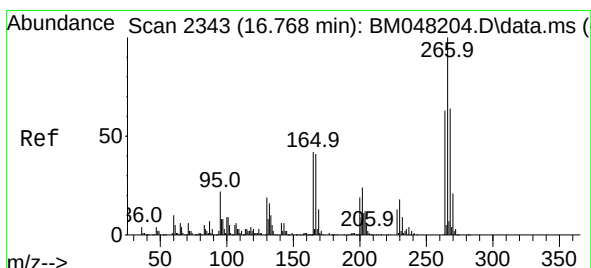
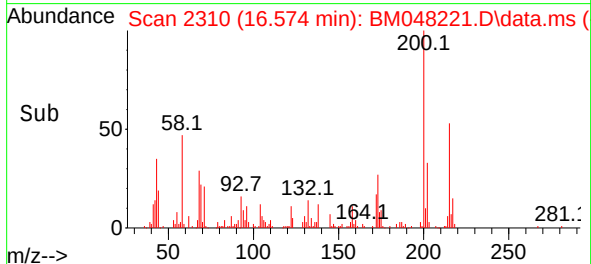
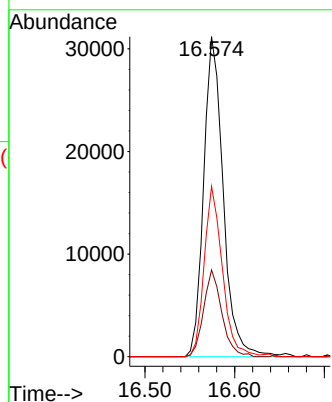
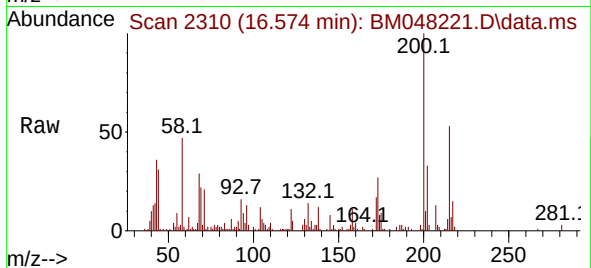
Tgt Ion:200 Resp: 47240

Ion Ratio Lower Upper

200 100

173 27.1 6.5 46.5

215 53.3 27.2 67.2



#70

Pentachlorophenol

Concen: 4.080 ng

RT: 16.768 min Scan# 2343

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

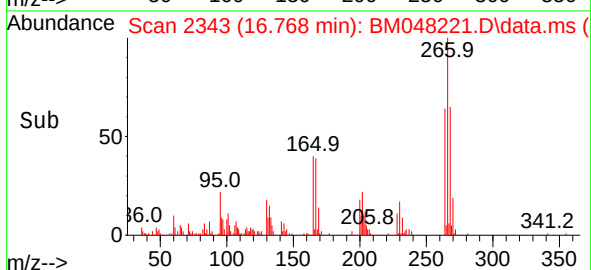
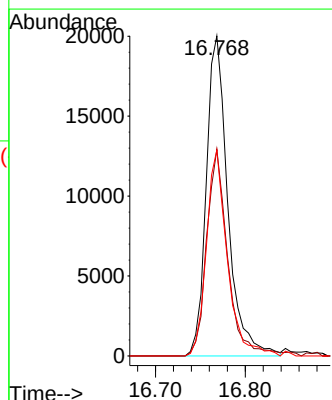
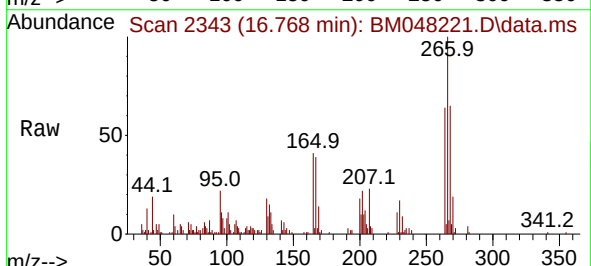
Tgt Ion:266 Resp: 33406

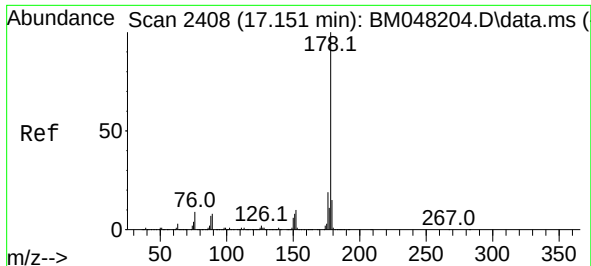
Ion Ratio Lower Upper

266 100

268 64.5 50.8 76.2

264 64.4 50.2 75.2

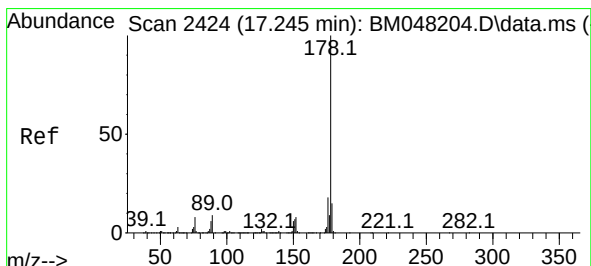
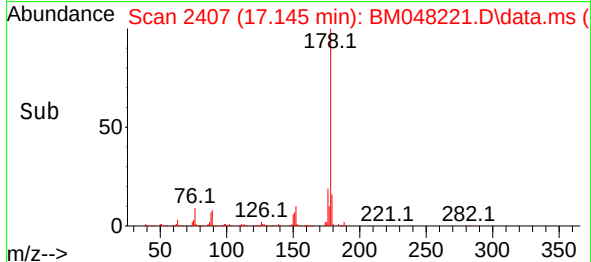
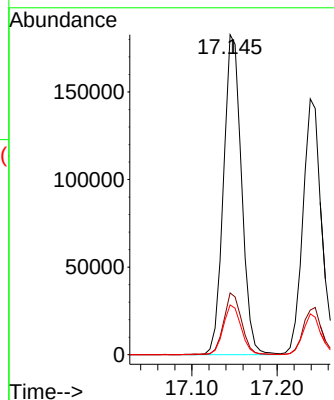
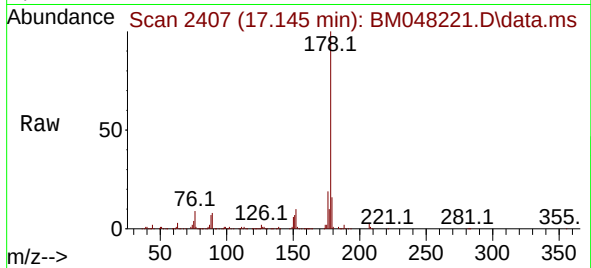




#71
Phenanthrene
Concen: 5.287 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

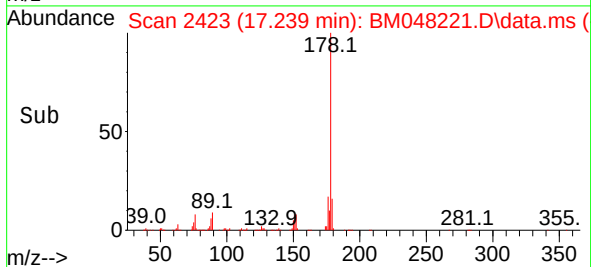
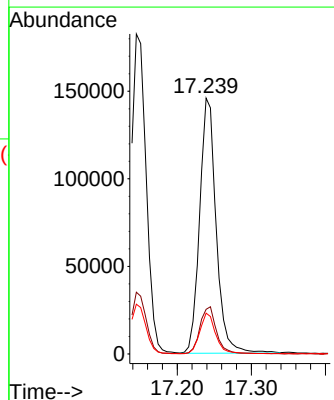
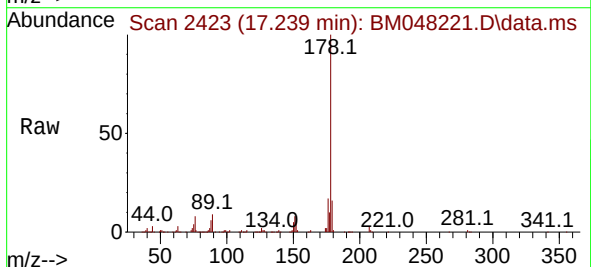
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

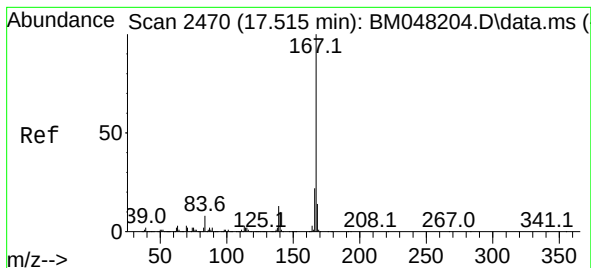
Tgt Ion:178 Resp: 268173
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 4.598 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:178 Resp: 225732
Ion Ratio Lower Upper
178 100
176 17.5 14.8 22.2
179 16.0 12.2 18.2





#73

Carbazole

Concen: 4.713 ng

RT: 17.515 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

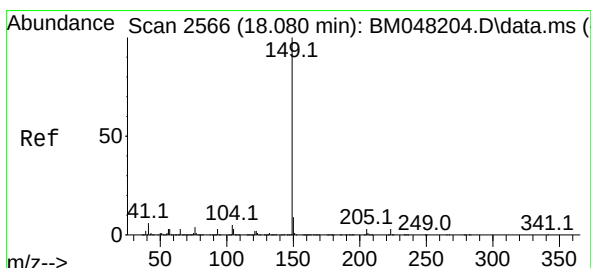
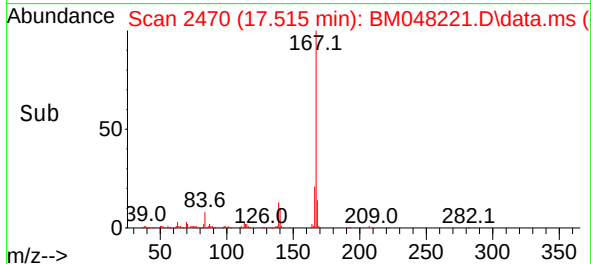
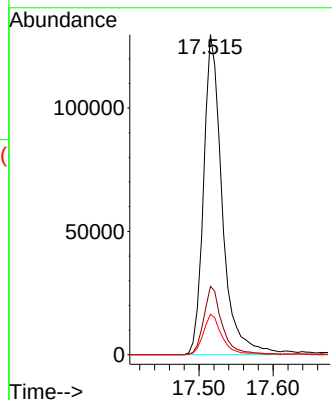
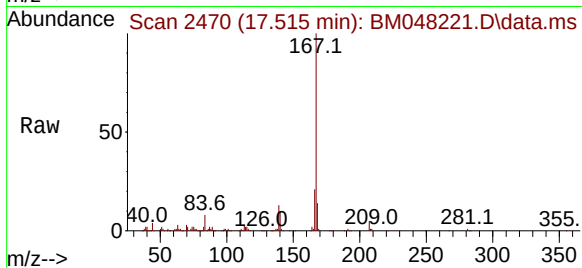
Tgt Ion:167 Resp: 226829

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 12.7 10.4 15.6



#74

Di-n-butylphthalate

Concen: 4.674 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

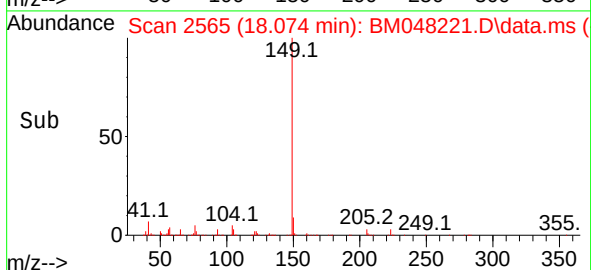
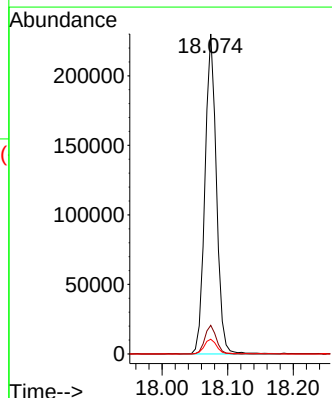
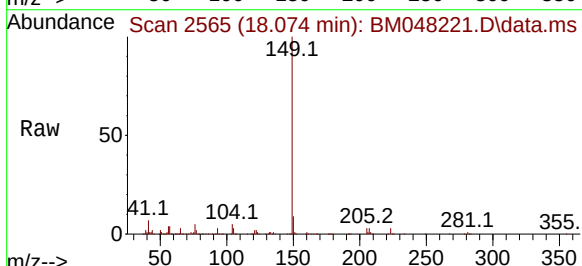
Tgt Ion:149 Resp: 280013

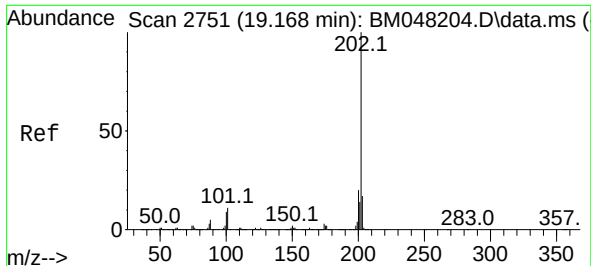
Ion Ratio Lower Upper

149 100

150 9.0 7.2 10.8

104 4.6 3.8 5.6

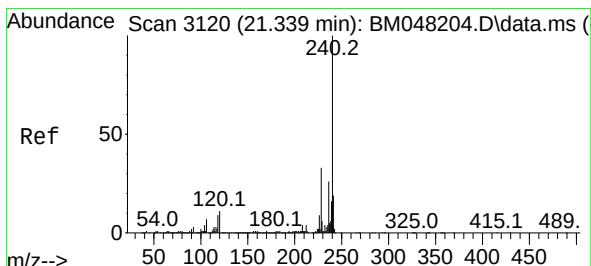
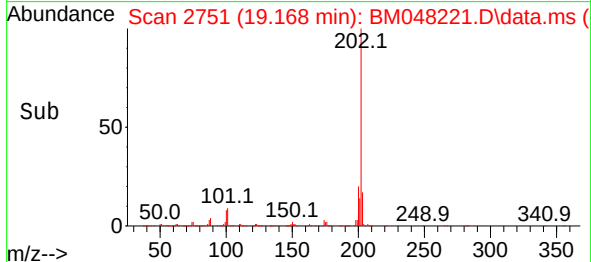
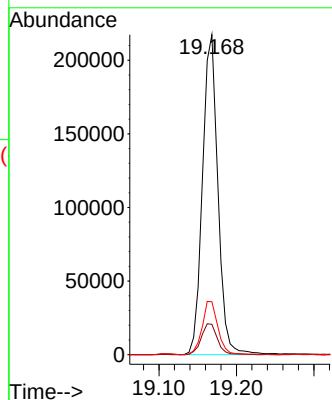
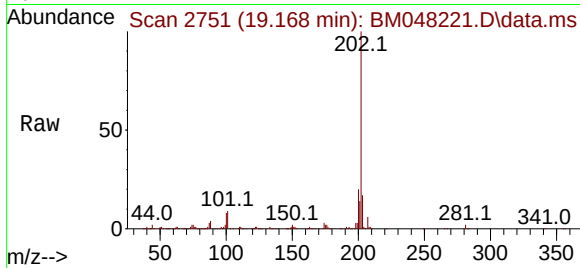




#75
Fluoranthene
Concen: 4.974 ng
RT: 19.168 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

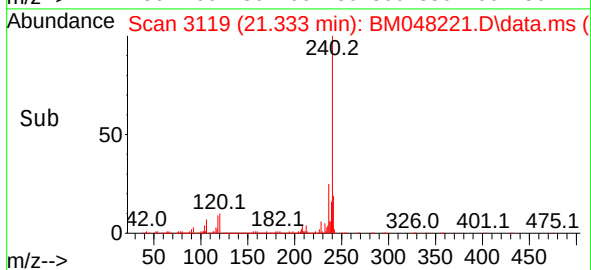
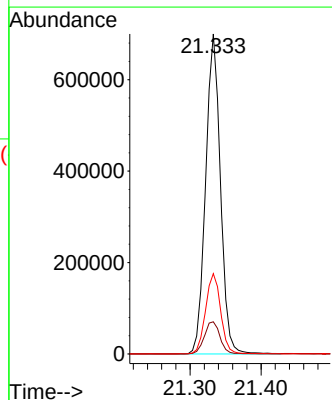
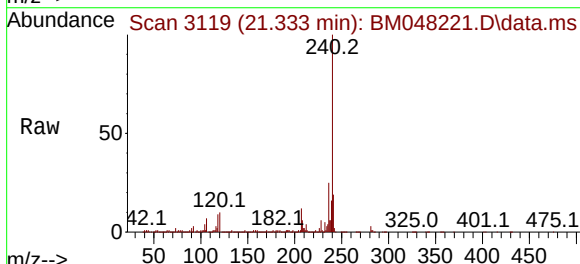
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

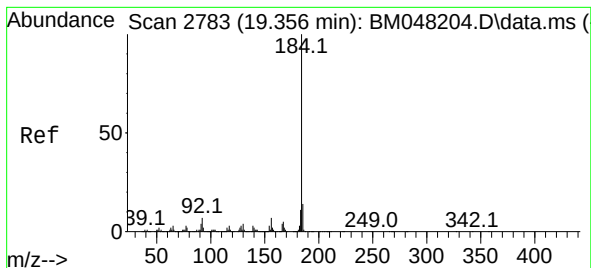
Tgt Ion:202 Resp: 300940
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 16.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048221.D
Acq: 24 Oct 2024 17:48

Tgt Ion:240 Resp: 1016626
Ion Ratio Lower Upper
240 100
120 10.1 8.6 13.0
236 25.1 20.7 31.1





#77

Benzidine

Concen: 3.751 ng

RT: 19.356 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

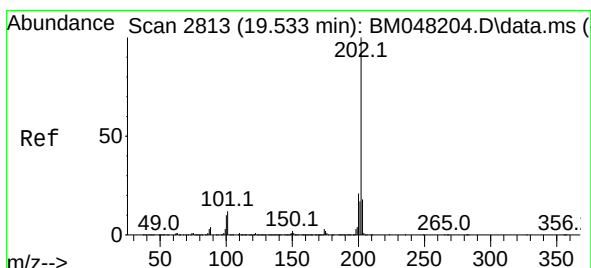
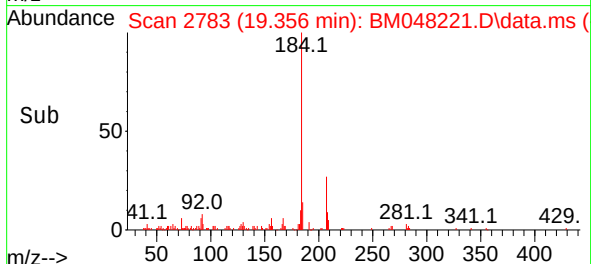
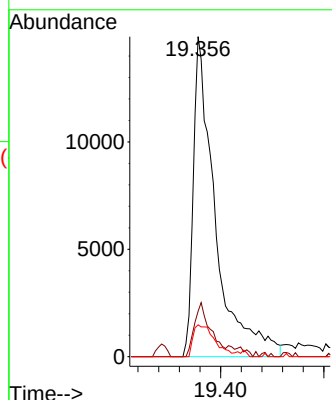
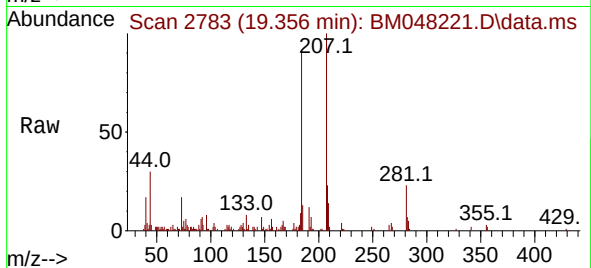
Tgt Ion:184 Resp: 44015

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.0

183 9.9 9.0 13.4



#78

Pyrene

Concen: 4.712 ng

RT: 19.527 min Scan# 2812

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

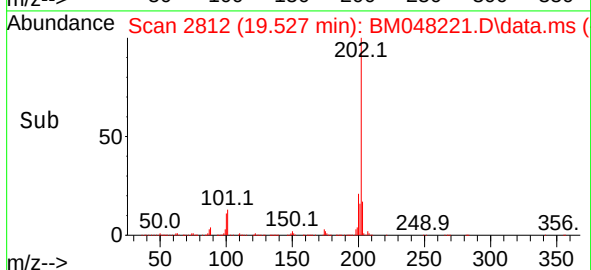
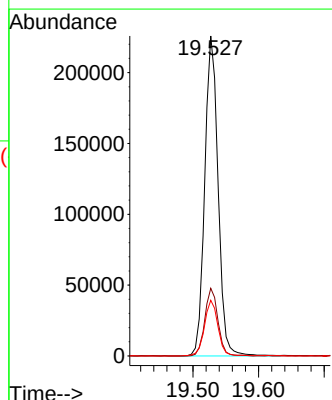
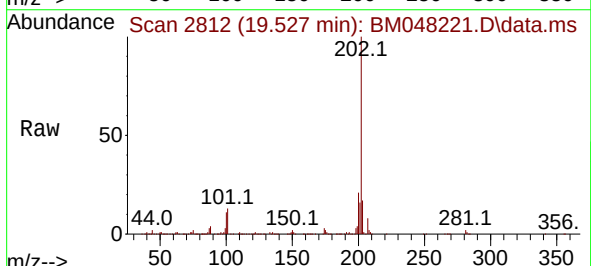
Tgt Ion:202 Resp: 320612

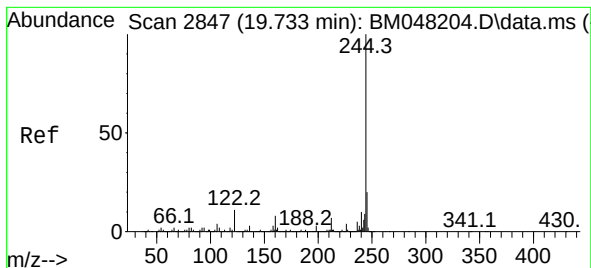
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 68.638 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

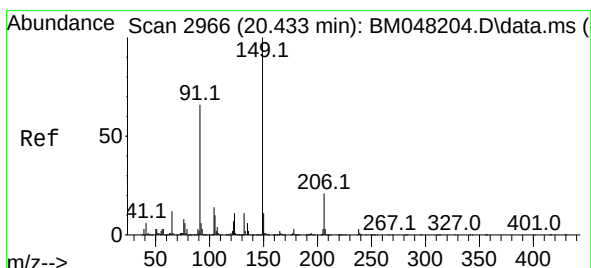
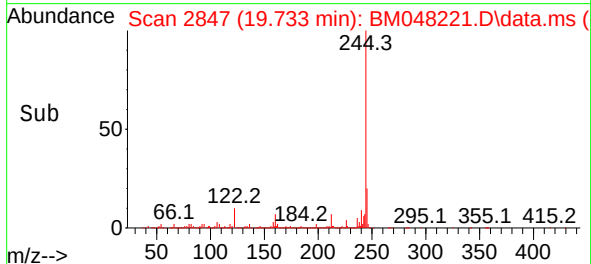
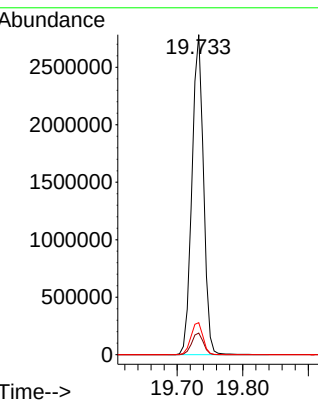
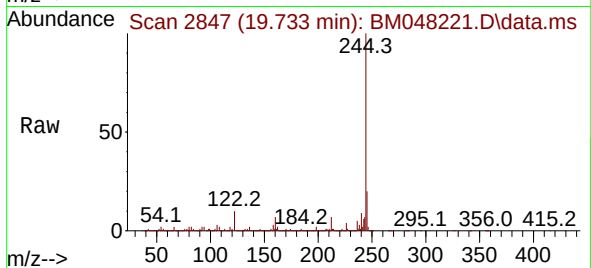
Tgt Ion:244 Resp: 3419322

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 4.280 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

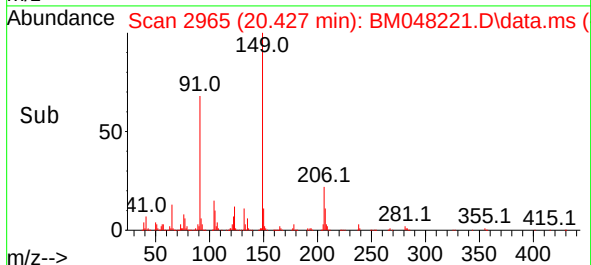
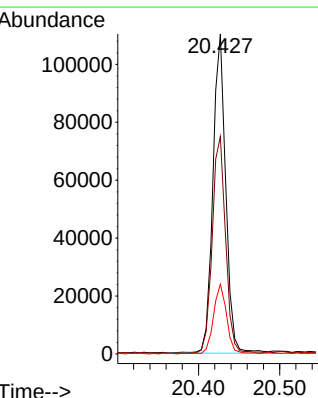
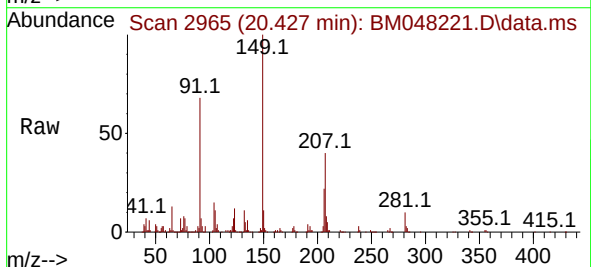
Tgt Ion:149 Resp: 121797

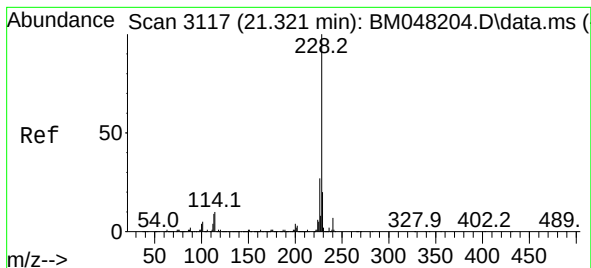
Ion Ratio Lower Upper

149 100

91 68.0 52.5 78.7

206 21.8 17.0 25.6





#81

Benzo(a)anthracene

Concen: 4.992 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

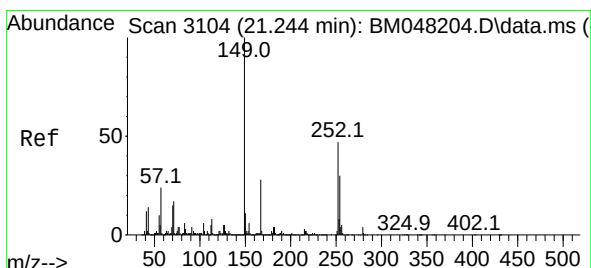
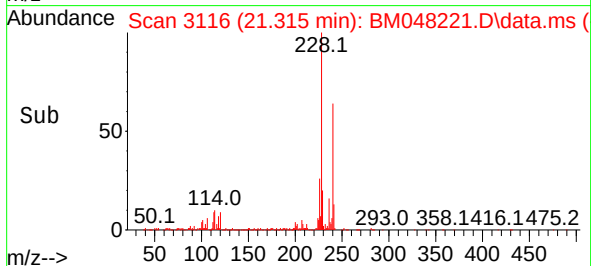
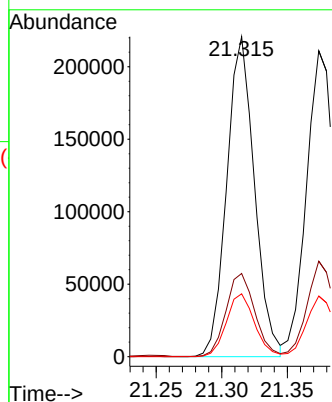
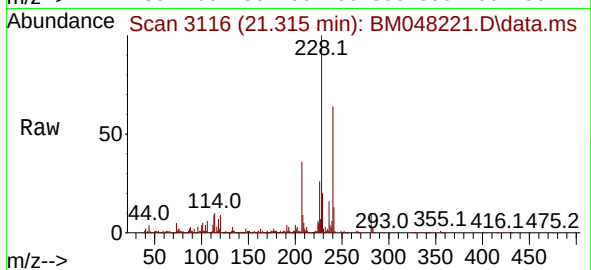
Tgt Ion:228 Resp: 324336

Ion Ratio Lower Upper

228 100

226 26.0 21.5 32.3

229 19.6 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 4.601 ng

RT: 21.245 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

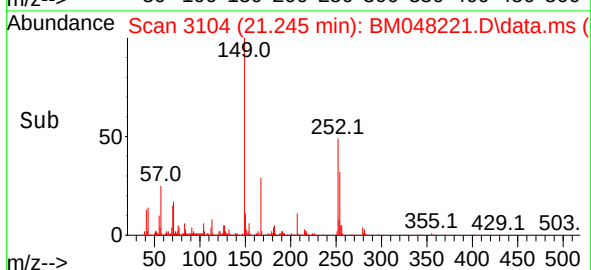
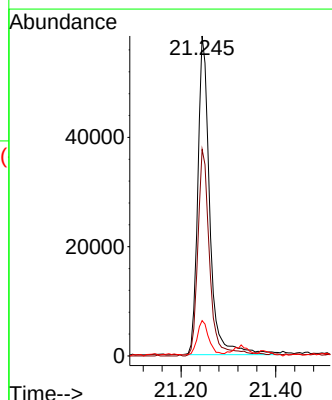
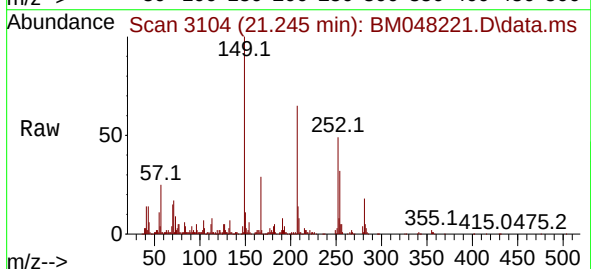
Tgt Ion:252 Resp: 102393

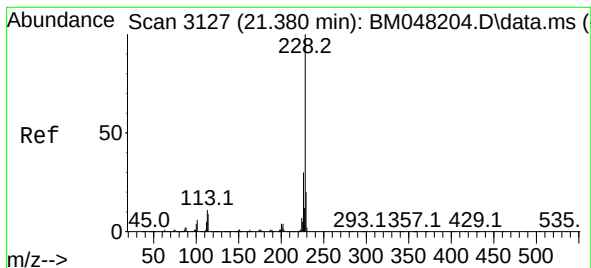
Ion Ratio Lower Upper

252 100

254 64.6 51.8 77.8

126 11.1 8.8 13.2





#83

Chrysene

Concen: 5.144 ng

RT: 21.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

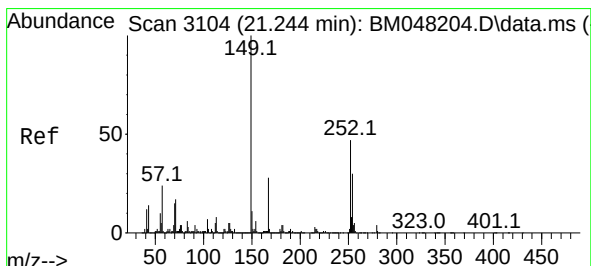
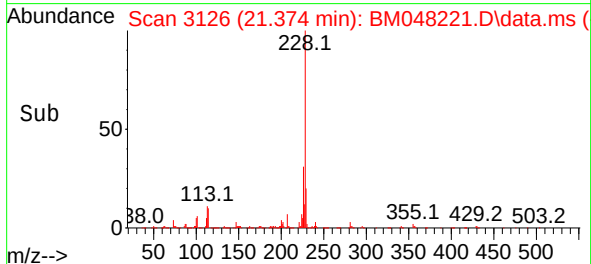
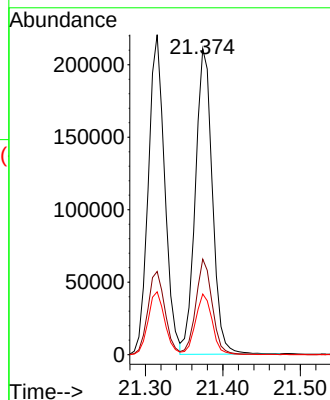
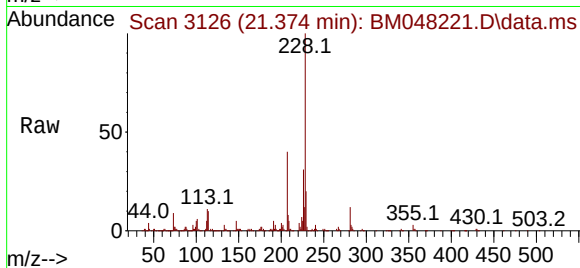
Tgt Ion:228 Resp: 320783

Ion Ratio Lower Upper

228 100

226 31.2 23.5 35.3

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.604 ng

RT: 21.239 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

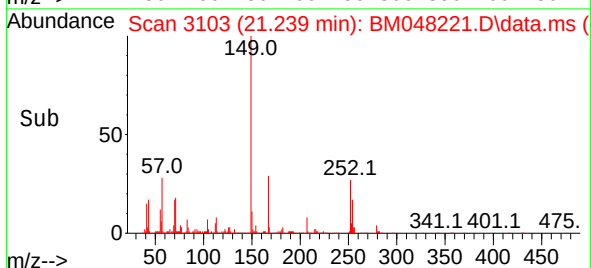
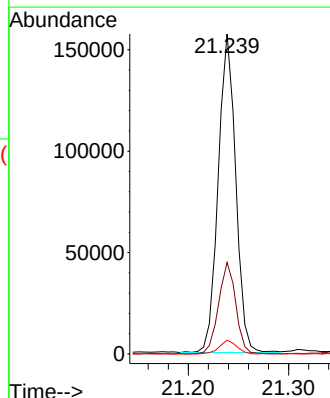
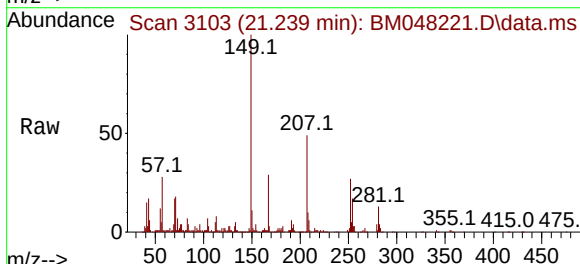
Tgt Ion:149 Resp: 190400

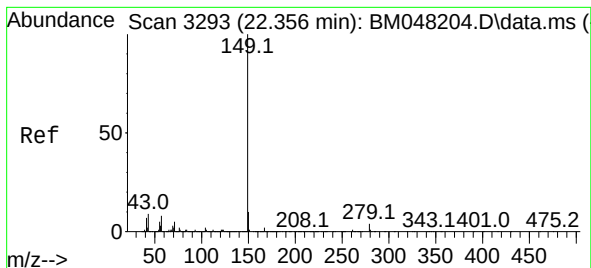
Ion Ratio Lower Upper

149 100

167 28.6 22.5 33.7

279 4.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 4.103 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

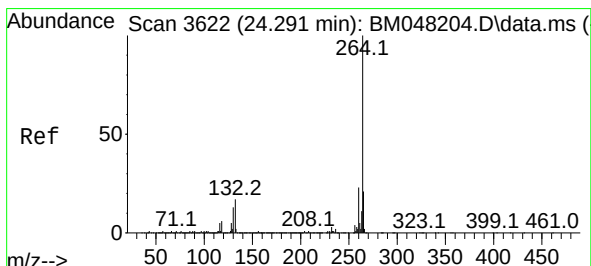
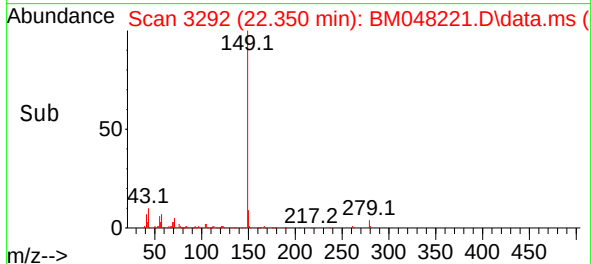
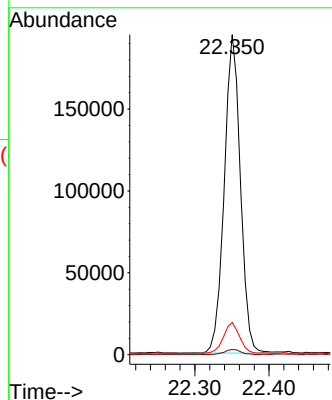
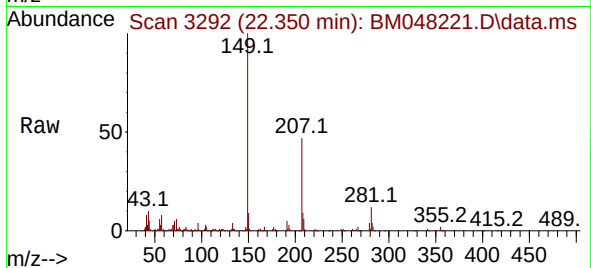
Tgt Ion:149 Resp: 293898

Ion Ratio Lower Upper

149 100

167 1.7 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: BM048221.D

Acq: 24 Oct 2024 17:48

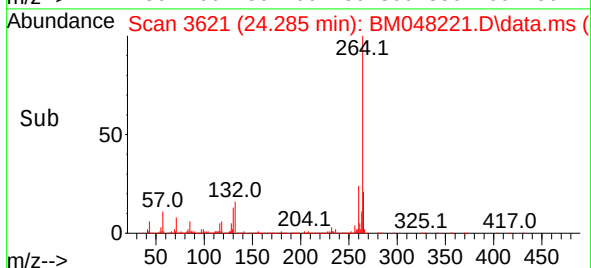
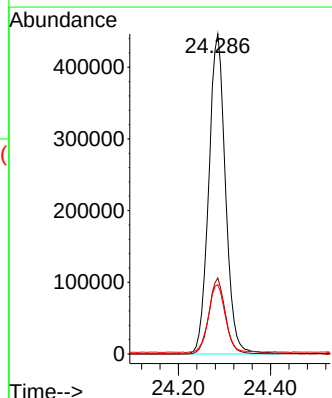
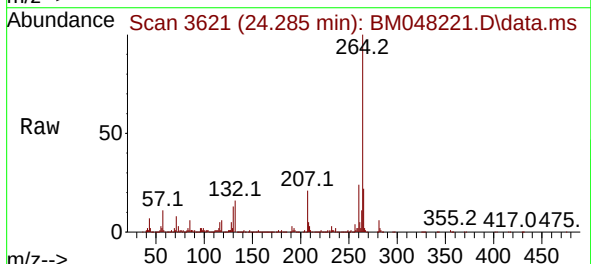
Tgt Ion:264 Resp: 1127493

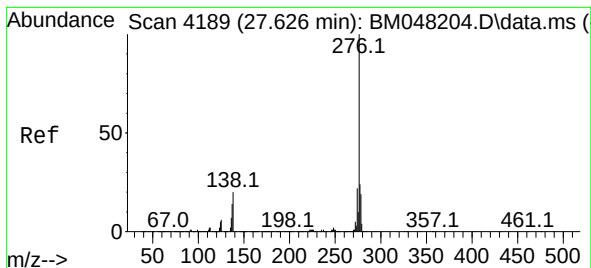
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.080 ng

RT: 27.609 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

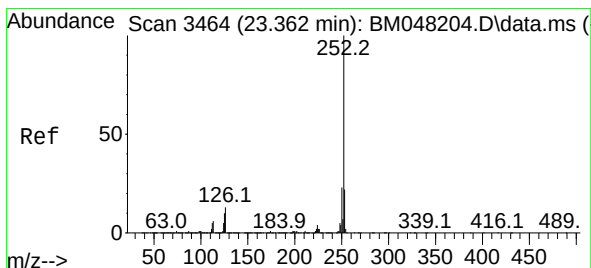
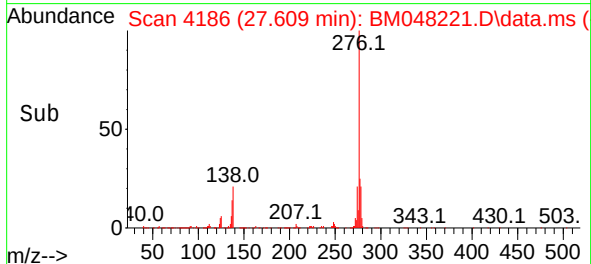
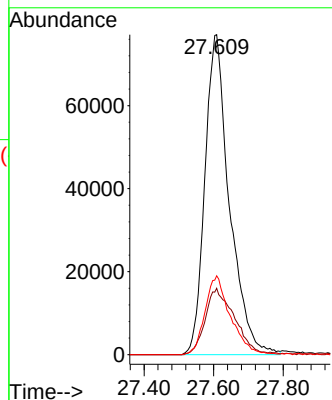
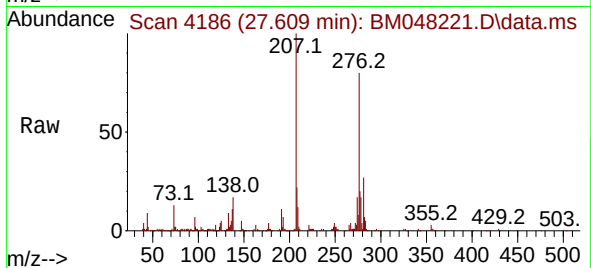
Tgt Ion:276 Resp: 378787

Ion Ratio Lower Upper

276 100

138 24.5 19.8 29.6

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 4.910 ng

RT: 23.350 min Scan# 3462

Delta R.T. -0.012 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

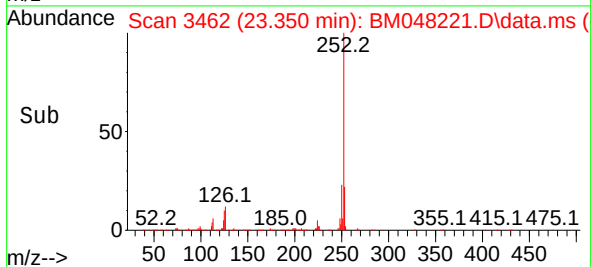
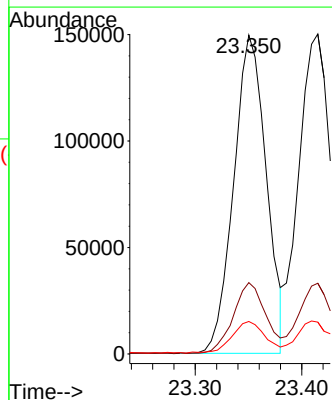
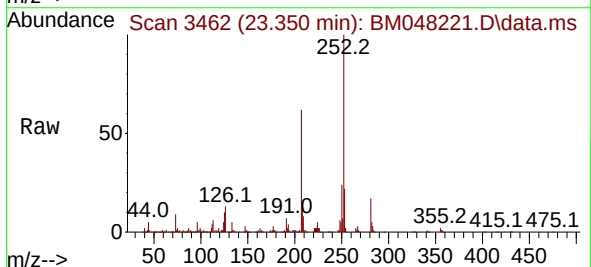
Tgt Ion:252 Resp: 317381

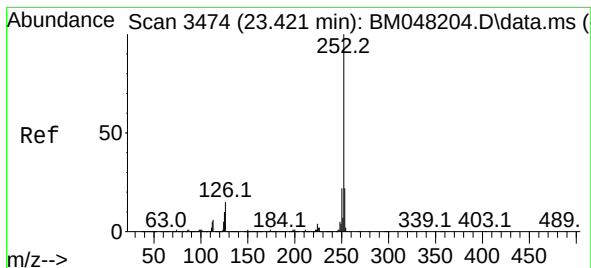
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 5.328 ng

RT: 23.415 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

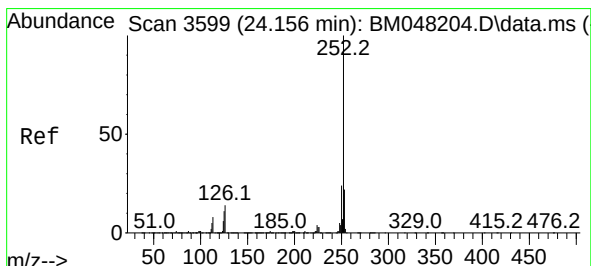
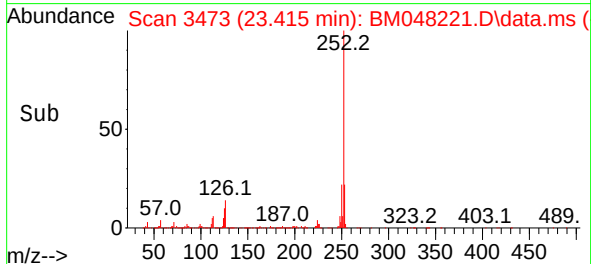
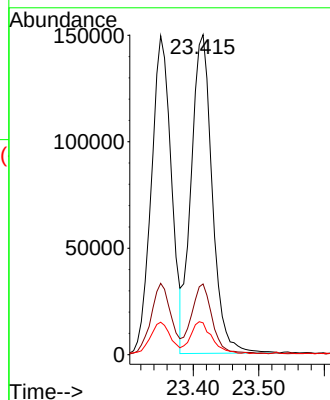
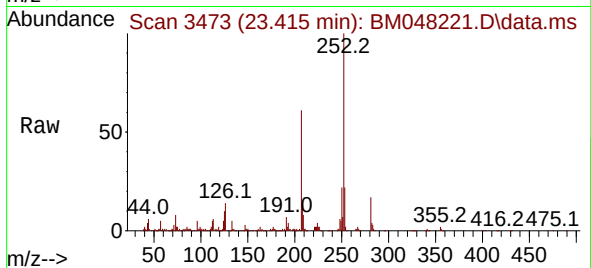
Tgt Ion:252 Resp: 332984

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 9.9 7.8 11.6



#90

Benzo(a)pyrene

Concen: 5.069 ng

RT: 24.144 min Scan# 3597

Delta R.T. -0.012 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

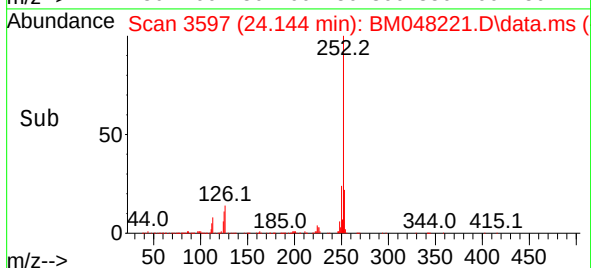
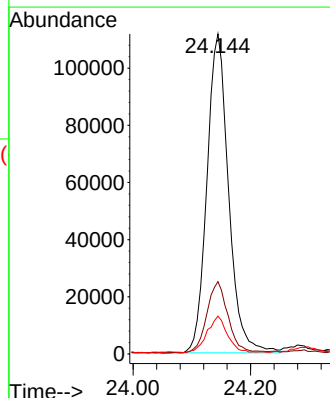
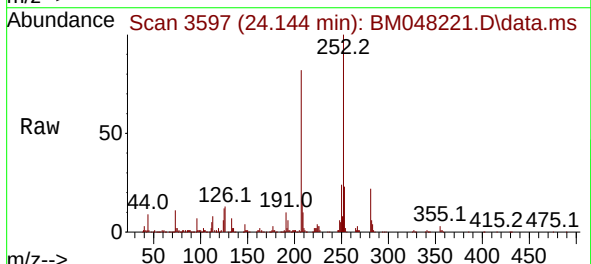
Tgt Ion:252 Resp: 284881

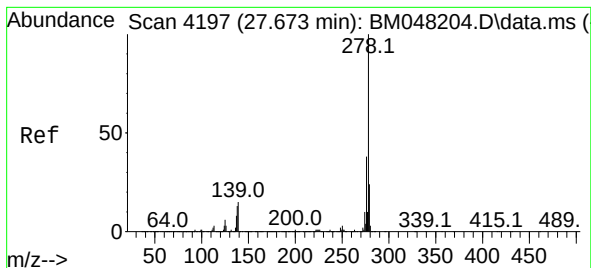
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 11.8 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 5.085 ng

RT: 27.656 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

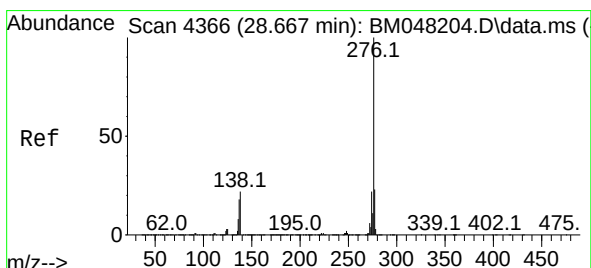
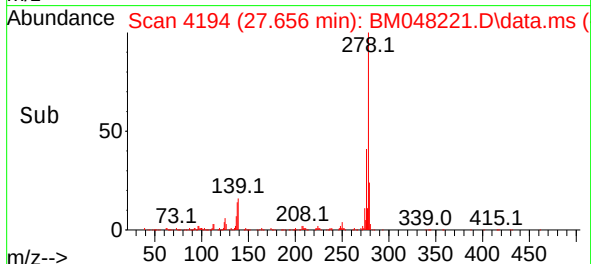
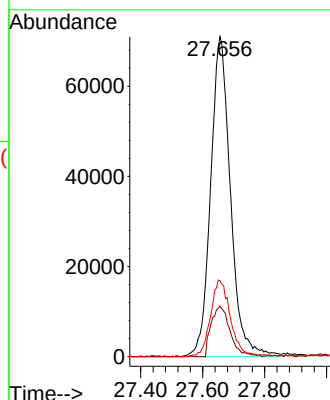
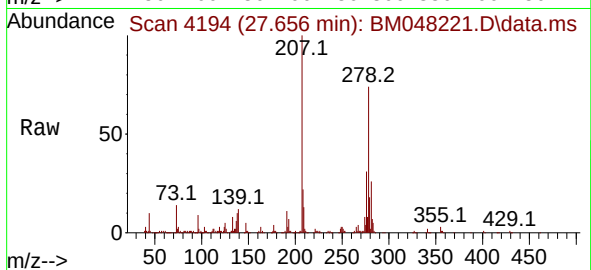
Tgt Ion:278 Resp: 315724

Ion Ratio Lower Upper

278 100

139 15.8 12.2 18.4

279 23.7 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 4.785 ng

RT: 28.644 min Scan# 4362

Delta R.T. -0.023 min

Lab File: BM048221.D

Acq: 24 Oct 2024 17:48

Tgt Ion:276 Resp: 304231

Ion Ratio Lower Upper

276 100

277 23.7 18.5 27.7

138 20.1 17.5 26.3

