

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082824\
 Data File : BG062594.D
 Acq On : 28 Aug 2024 13:53
 Operator : MA/JU
 Sample : P3726-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MOO-SOIL-PILEMS

Quant Time: Aug 28 14:54:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 00:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.933	152	82966	20.000	ng	0.00
21) Naphthalene-d8	10.724	136	330888	20.000	ng	# 0.00
39) Acenaphthene-d10	14.555	164	227021	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	557169	20.000	ng	0.00
76) Chrysene-d12	21.546	240	526172	20.000	ng	0.00
86) Perylene-d12	24.625	264	617742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	708036	153.095	ng	0.00
7) Phenol-d6	7.104	99	885842	134.472	ng	0.00
23) Nitrobenzene-d5	9.090	82	487158	97.710	ng	0.00
42) 2,4,6-Tribromophenol	16.047	330	435567	173.687	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	1250292	90.558	ng	0.00
79) Terphenyl-d14	19.919	244	2492848	99.054	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.444	88	76104	34.544	ng	# 59
3) Pyridine	3.844	79	167644	27.958	ng	92
4) n-Nitrosodimethylamine	3.744	42	125344	39.248	ng	88
6) Aniline	7.263	93	133122	21.410	ng	97
8) 2-Chlorophenol	7.498	128	248279	49.829	ng	97
9) Benzaldehyde	7.069	77	47361	11.389	ng	97
10) Phenol	7.134	94	313151	45.803	ng	97
11) bis(2-Chloroethyl)ether	7.357	93	237720	42.760	ng	97
12) 1,3-Dichlorobenzene	7.821	146	224638	38.502	ng	97
13) 1,4-Dichlorobenzene	7.968	146	228861	38.496	ng	98
14) 1,2-Dichlorobenzene	8.285	146	217902	37.457	ng	99
15) Benzyl Alcohol	8.168	79	237107	51.700	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.450	45	406470	38.493	ng	99
17) 2-Methylphenol	8.374	107	209220	45.815	ng	97
18) Hexachloroethane	9.014	117	75008	37.815	ng	93
19) n-Nitroso-di-n-propyla...	8.738	70	196585	44.560	ng	91
20) 3+4-Methylphenols	8.703	107	287256	46.001	ng	99
22) Acetophenone	8.750	105	361638	43.797	ng	99
24) Nitrobenzene	9.131	77	244493	45.284	ng	99
25) Isophorone	9.654	82	553442	45.762	ng	99
26) 2-Nitrophenol	9.837	139	97381	52.692	ng	93
27) 2,4-Dimethylphenol	9.901	122	204879	64.822	ng	96
28) bis(2-Chloroethoxy)met...	10.130	93	318681	45.460	ng	100
29) 2,4-Dichlorophenol	10.371	162	248354	53.076	ng	98
30) 1,2,4-Trichlorobenzene	10.589	180	241297	42.214	ng	98
31) Naphthalene	10.777	128	706670	42.787	ng	99
32) Benzoic acid	10.019	122	77902	29.796	ng	98
33) 4-Chloroaniline	10.882	127	29212	4.869	ng	96
34) Hexachlorobutadiene	11.065	225	154628	41.465	ng	96
35) Caprolactam	11.658	113	26293	20.853	ng	# 86
36) 4-Chloro-3-methylphenol	12.010	107	257011	50.692	ng	97
37) 2-Methylnaphthalene	12.381	142	486742	43.740	ng	98
38) 1-Methylnaphthalene	12.598	142	458848	41.209	ng	98
40) 1,2,4,5-Tetrachloroben...	12.751	216	294622	45.565	ng	99
41) Hexachlorocyclopentadiene	12.733	237	289464	178.055	ng	97
43) 2,4,6-Trichlorophenol	12.992	196	209683	56.659	ng	97

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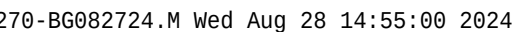
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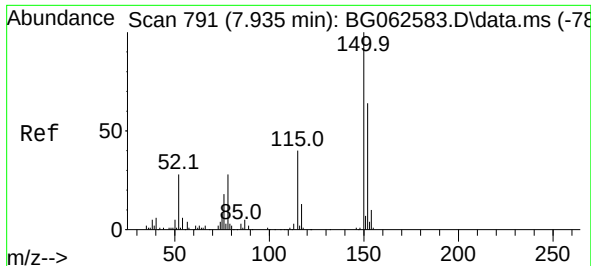
Quant Time: Aug 28 14:54:47 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.062	196	233207	53.471	ng	97
46) 1,1'-Biphenyl	13.391	154	675437	44.467	ng	99
47) 2-Chloronaphthalene	13.432	162	548347	45.230	ng	99
48) 2-Nitroaniline	13.632	65	146783	56.465	ng	99
49) Acenaphthylene	14.278	152	920684	49.815	ng	99
50) Dimethylphthalate	14.014	163	788882	53.476	ng	100
51) 2,6-Dinitrotoluene	14.132	165	131826	46.191	ng	92
52) Acenaphthene	14.619	154	542860	47.608	ng	98
53) 3-Nitroaniline	14.461	138	46200	18.862	ng	90
54) 2,4-Dinitrophenol	14.666	184	137169	102.193	ng	96
55) Dibenzofuran	14.954	168	951424	48.663	ng	99
56) 4-Nitrophenol	14.778	139	256137	110.674	ng	96
57) 2,4-Dinitrotoluene	14.919	165	196612	58.329	ng	# 93
58) Fluorene	15.606	166	729971	47.544	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.183	232	233749	58.874	ng	98
60) Diethylphthalate	15.377	149	800220	56.604	ng	99
61) 4-Chlorophenyl-phenyle...	15.594	204	399183	48.924	ng	97
62) 4-Nitroaniline	15.624	138	152996	56.287	ng	95
63) Azobenzene	15.888	77	753194	46.886	ng	98
65) 4,6-Dinitro-2-methylph...	15.683	198	108011	57.303	ng	95
66) n-Nitrosodiphenylamine	15.812	169	674203	49.819	ng	98
67) 4-Bromophenyl-phenylether	16.488	248	270615	50.459	ng	97
68) Hexachlorobenzene	16.611	284	305403	49.282	ng	94
69) Atrazine	16.764	200	273688	74.349	ng	96
70) Pentachlorophenol	16.952	266	403592	108.667	ng	99
71) Phenanthrene	17.340	178	1302458	48.542	ng	99
72) Anthracene	17.433	178	1330058	50.664	ng	100
73) Carbazole	17.698	167	1178138	48.371	ng	99
74) Di-n-butylphthalate	18.262	149	1365465	64.081	ng	99
75) Fluoranthene	19.355	202	1547914	46.083	ng	99
77) Benzidine	19.537	184	106804	15.899	ng	98
78) Pyrene	19.713	202	1611401	48.168	ng	100
80) Butylbenzylphthalate	20.606	149	488609	63.101	ng	99
81) Benzo(a)anthracene	21.529	228	1634210	48.767	ng	100
82) 3,3'-Dichlorobenzidine	21.446	252	269579	30.413	ng	98
83) Chrysene	21.593	228	1569027	47.850	ng	100
84) Bis(2-ethylhexyl)phtha...	21.446	149	754694	71.269	ng	100
85) Di-n-octyl phthalate	22.610	149	1355538	67.798	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.109	276	2033891	52.211	ng	# 96
88) Benzo(b)fluoranthene	23.656	252	1624407	46.948	ng	99
89) Benzo(k)fluoranthene	23.720	252	1671701	48.697	ng	99
90) Benzo(a)pyrene	24.484	252	1579832	51.939	ng	99
91) Dibenzo(a,h)anthracene	28.174	278	1666661	51.771	ng	97
92) Benzo(g,h,i)perylene	29.196	276	1544999	47.207	ng	96

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

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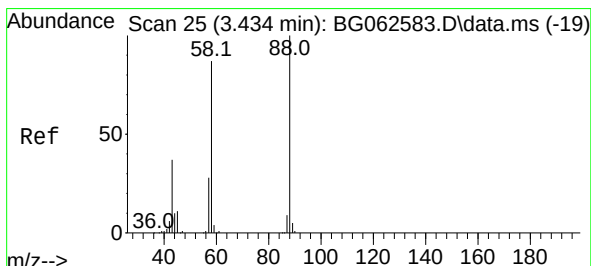
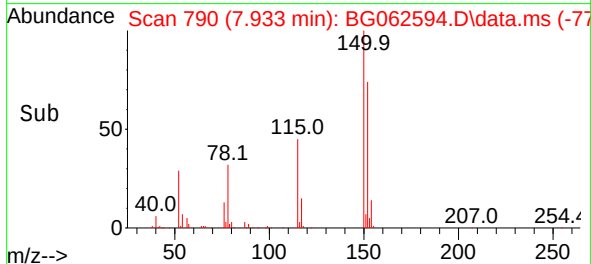
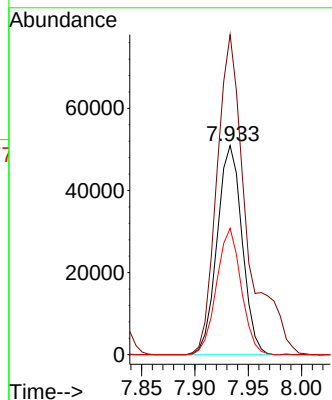
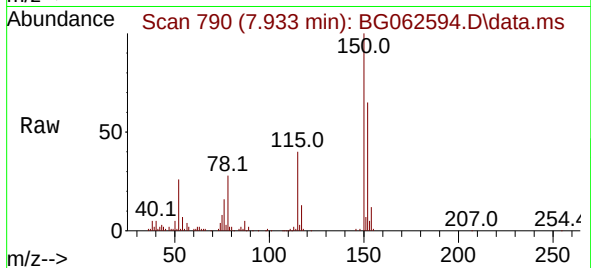




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.933 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

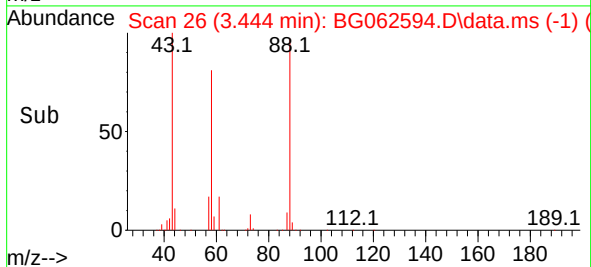
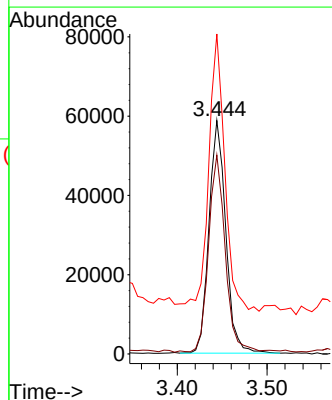
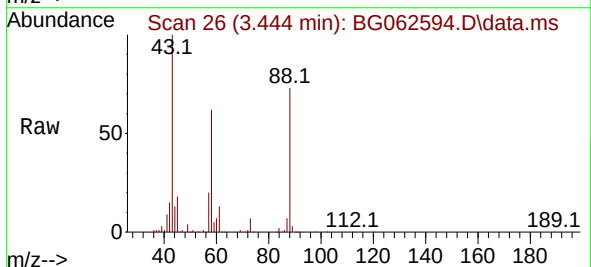
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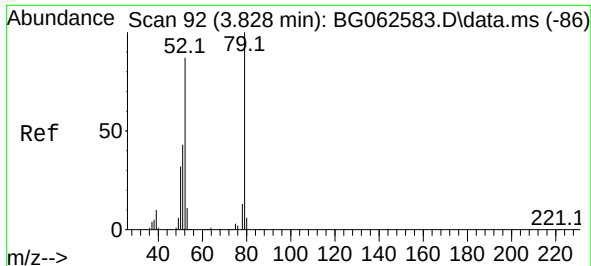
Tgt Ion:152 Resp: 82966
Ion Ratio Lower Upper
152 100
150 153.1 125.1 187.7
115 60.5 50.6 76.0



#2
1,4-Dioxane
Concen: 34.544 ng
RT: 3.444 min Scan# 26
Delta R.T. 0.010 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion: 88 Resp: 76104
Ion Ratio Lower Upper
88 100
58 83.0 66.6 99.8
43 114.5 28.2 42.2#





#3

Pyridine

Concen: 27.958 ng

RT: 3.844 min Scan# 94

Delta R.T. 0.016 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

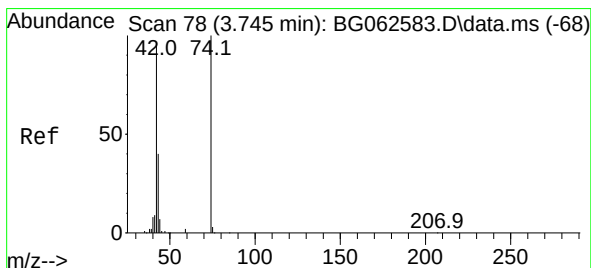
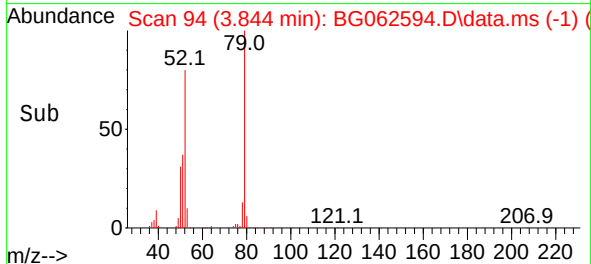
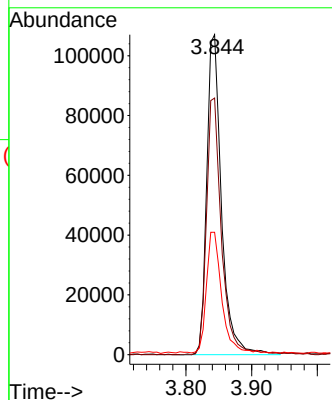
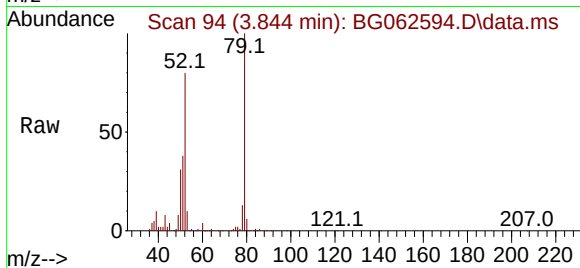
Tgt Ion: 79 Resp: 167644

Ion Ratio Lower Upper

79 100

52 80.2 69.7 104.5

51 38.2 35.6 53.4



#4

n-Nitrosodimethylamine

Concen: 39.248 ng

RT: 3.744 min Scan# 77

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

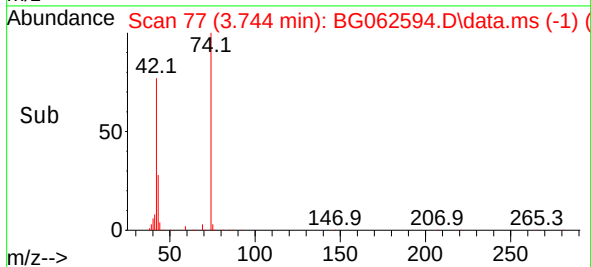
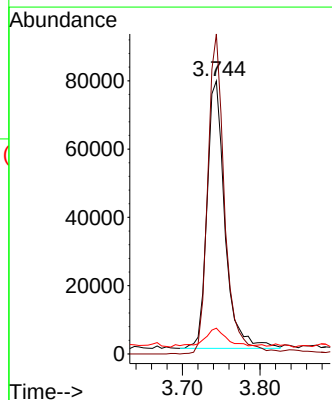
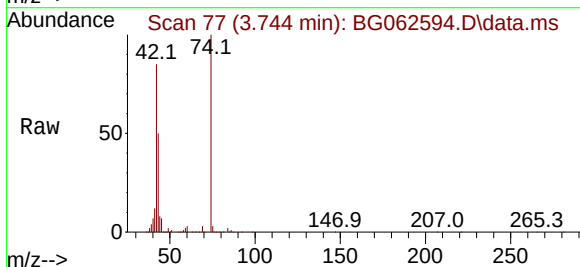
Tgt Ion: 42 Resp: 125344

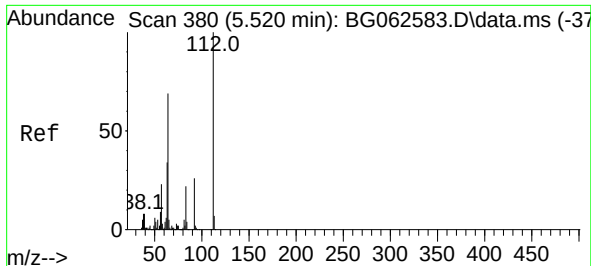
Ion Ratio Lower Upper

42 100

74 117.3 83.5 125.3

44 9.4 7.4 11.0

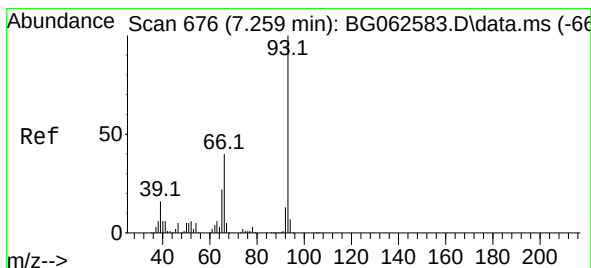
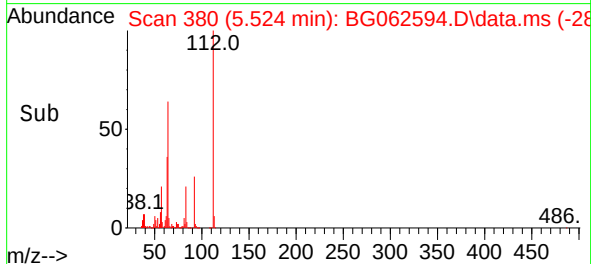
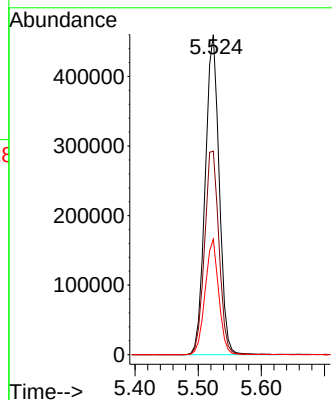
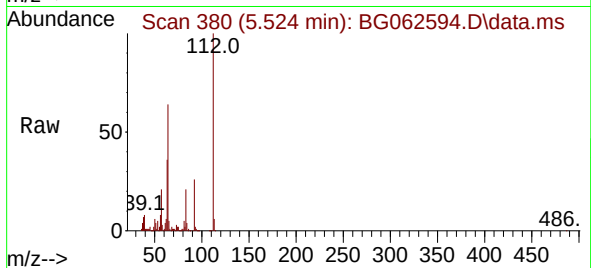




#5
2-Fluorophenol
Concen: 153.095 ng
RT: 5.524 min Scan# 380
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

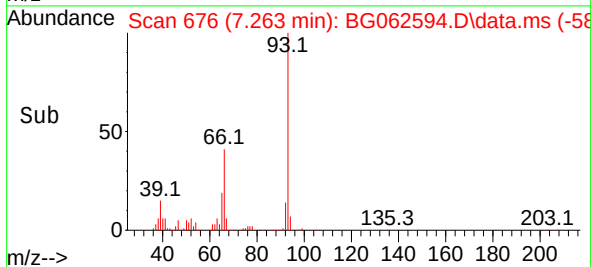
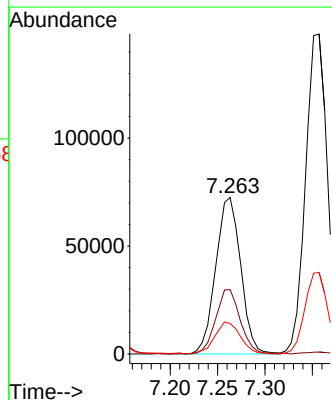
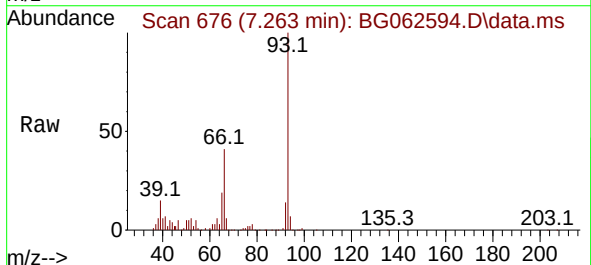
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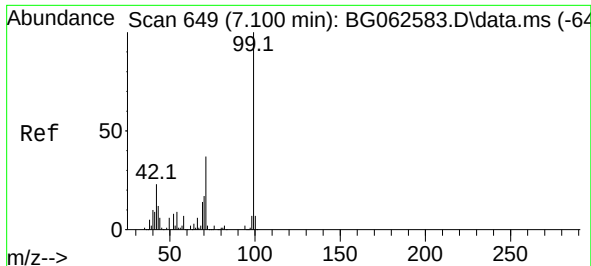
Tgt Ion:112 Resp: 708036
Ion Ratio Lower Upper
112 100
64 63.6 55.5 83.3
63 36.1 27.4 41.2



#6
Aniline
Concen: 21.410 ng
RT: 7.263 min Scan# 676
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion: 93 Resp: 133122
Ion Ratio Lower Upper
93 100
66 41.1 32.4 48.6
65 19.5 17.6 26.4

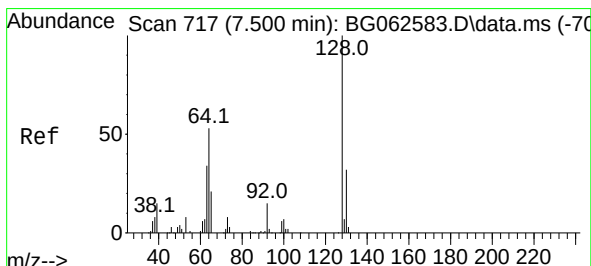
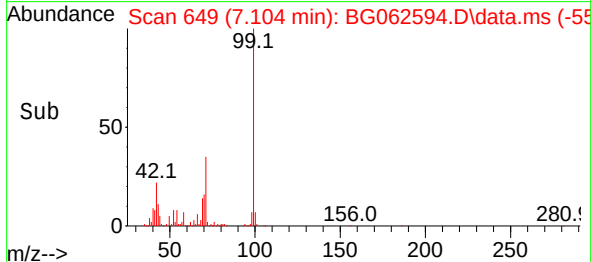
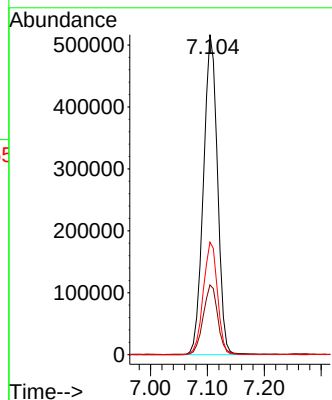
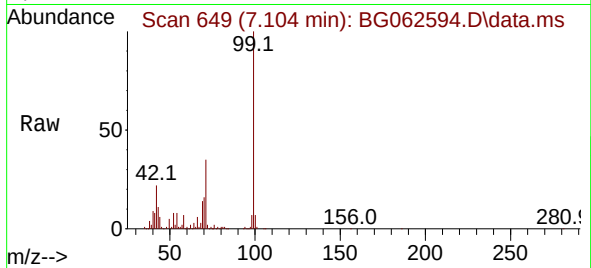




#7
Phenol-d6
Concen: 134.472 ng
RT: 7.104 min Scan# 649
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

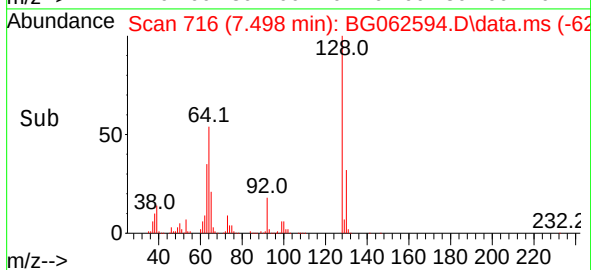
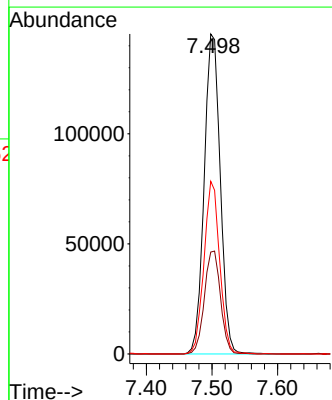
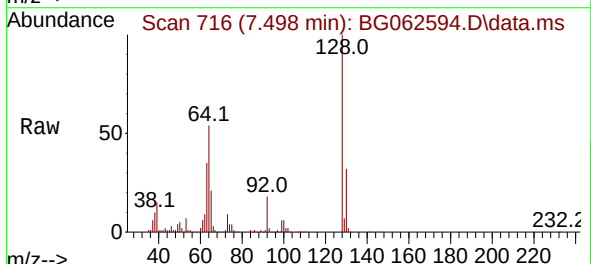
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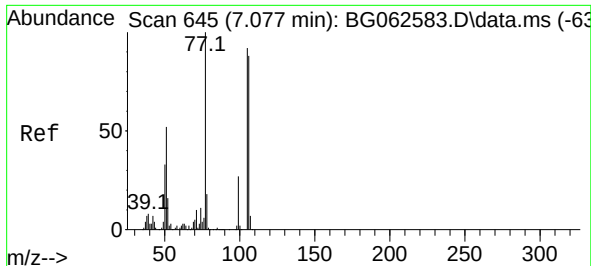
Tgt Ion: 99 Resp: 885842
Ion Ratio Lower Upper
99 100
42 21.8 18.7 28.1
71 35.1 29.8 44.6



#8
2-Chlorophenol
Concen: 49.829 ng
RT: 7.498 min Scan# 716
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:128 Resp: 248279
Ion Ratio Lower Upper
128 100
130 31.9 11.6 51.6
64 54.0 37.5 77.5

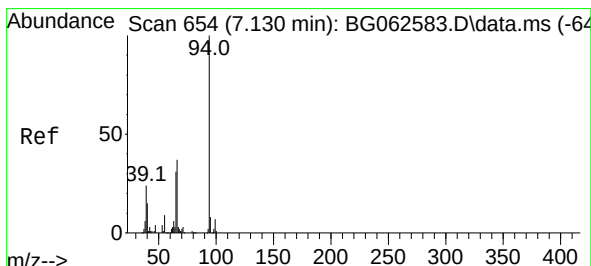
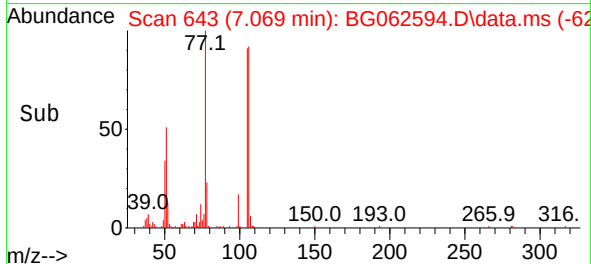
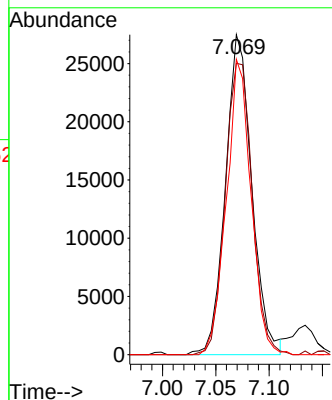
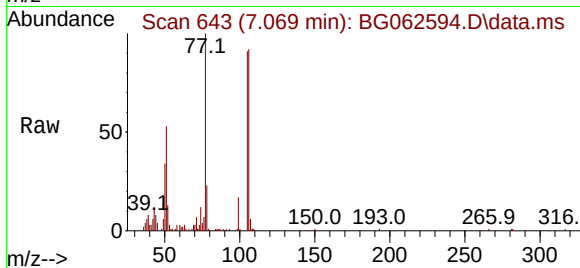




#9
Benzaldehyde
Concen: 11.389 ng
RT: 7.069 min Scan# 64
Delta R.T. -0.008 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

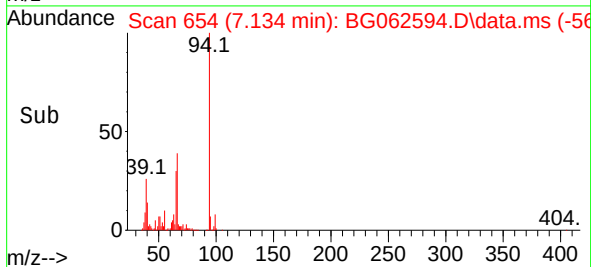
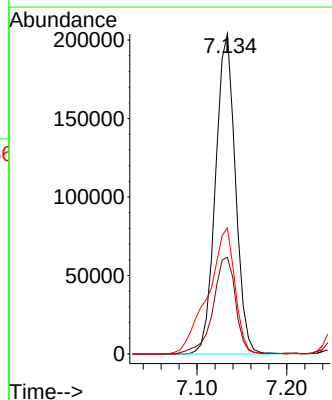
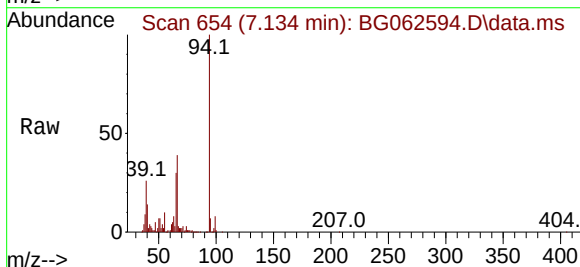
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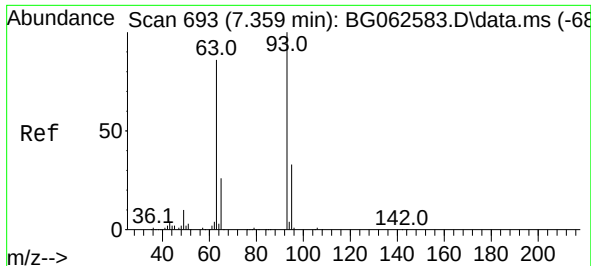
Tgt Ion: 77 Resp: 47361
Ion Ratio Lower Upper
77 100
105 91.0 72.0 112.0
106 92.3 67.7 107.7



#10
Phenol
Concen: 45.803 ng
RT: 7.134 min Scan# 654
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion: 94 Resp: 313151
Ion Ratio Lower Upper
94 100
65 30.2 11.6 51.6
66 39.4 17.7 57.7





#11

bis(2-Chloroethyl)ether

Concen: 42.760 ng

RT: 7.357 min Scan# 693

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

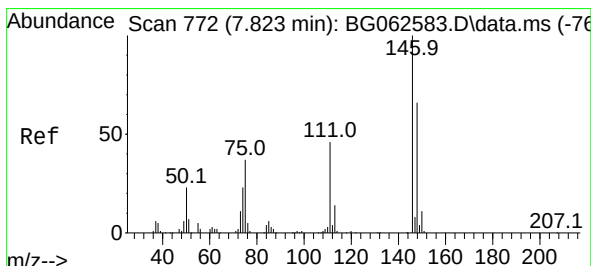
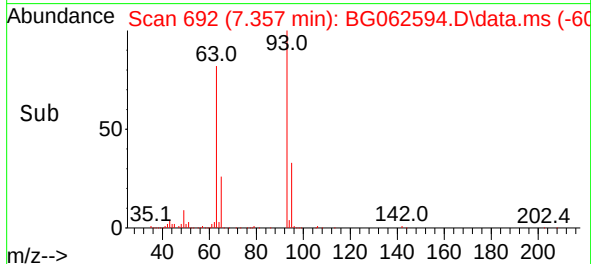
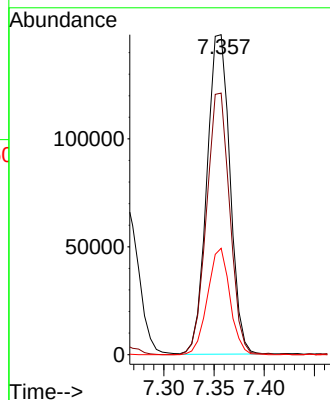
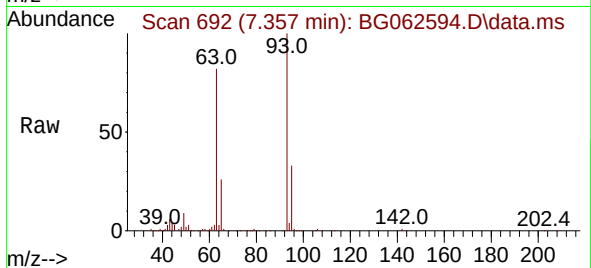
Tgt Ion: 93 Resp: 237720

Ion Ratio Lower Upper

93 100

63 81.8 64.7 104.7

95 33.2 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 38.502 ng

RT: 7.821 min Scan# 771

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

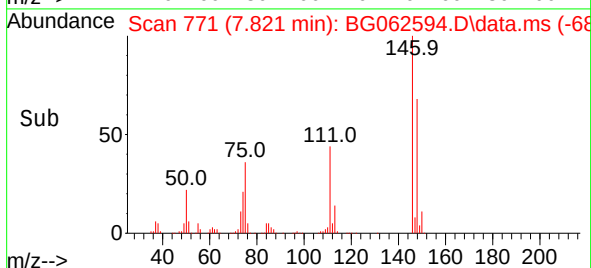
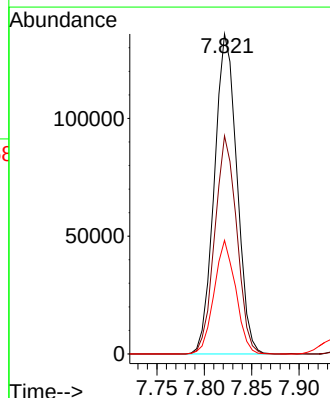
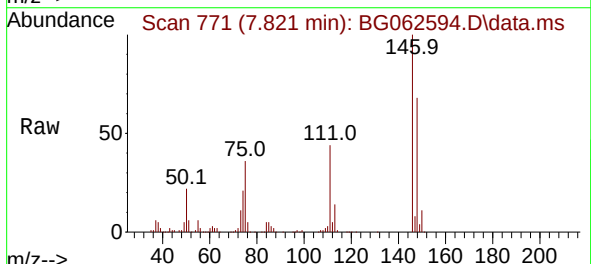
Tgt Ion: 146 Resp: 224638

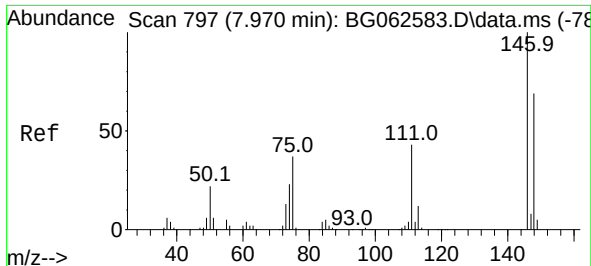
Ion Ratio Lower Upper

146 100

148 68.2 52.6 78.8

75 35.5 29.4 44.0





#13

1,4-Dichlorobenzene

Concen: 38.496 ng

RT: 7.968 min Scan# 796

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

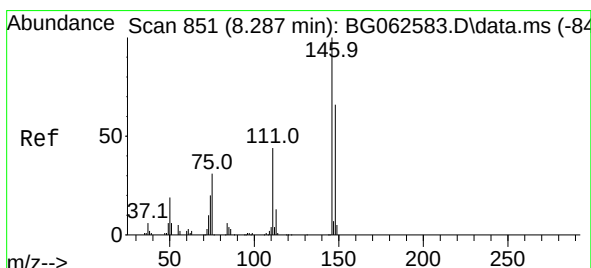
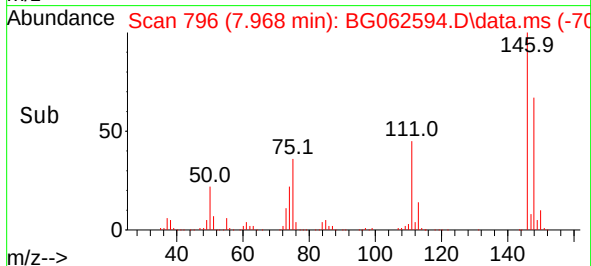
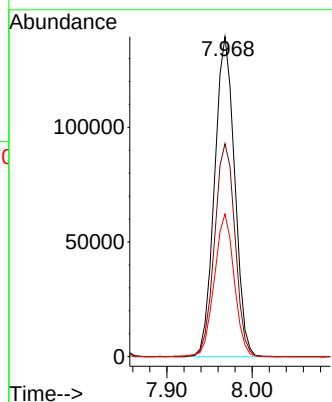
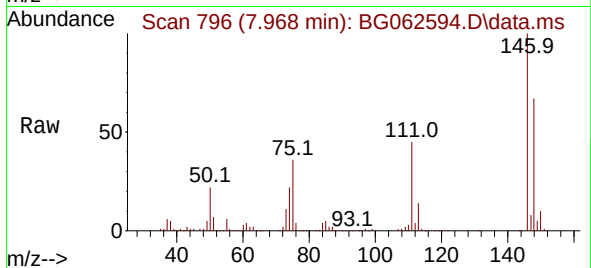
Tgt Ion:146 Resp: 228861

Ion Ratio Lower Upper

146 100

148 66.6 55.0 82.4

111 44.6 34.8 52.2



#14

1,2-Dichlorobenzene

Concen: 37.457 ng

RT: 8.285 min Scan# 850

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

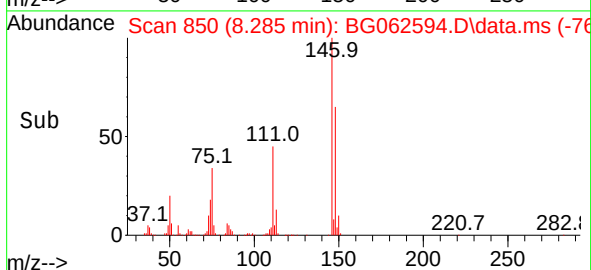
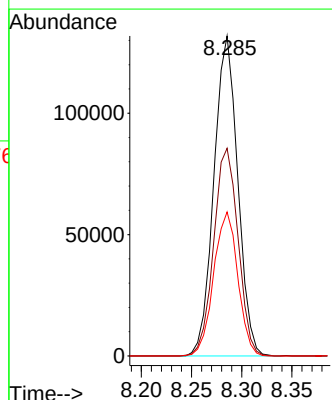
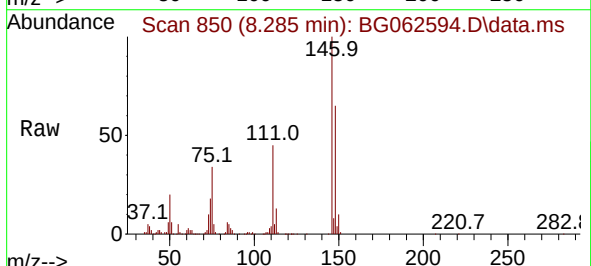
Tgt Ion:146 Resp: 217902

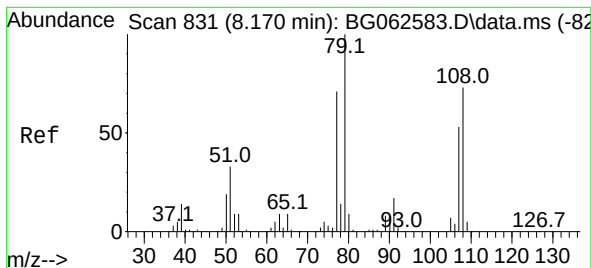
Ion Ratio Lower Upper

146 100

148 64.9 52.6 79.0

111 45.0 35.6 53.4





#15

Benzyl Alcohol

Concen: 51.700 ng

RT: 8.168 min Scan# 831

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

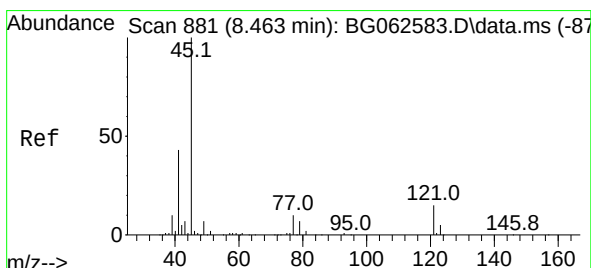
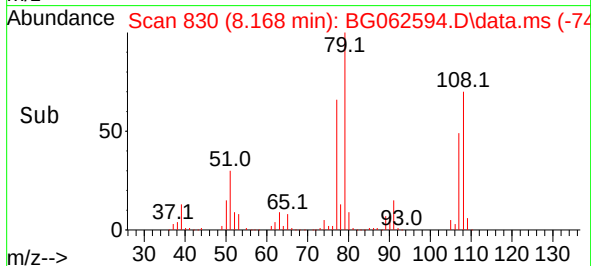
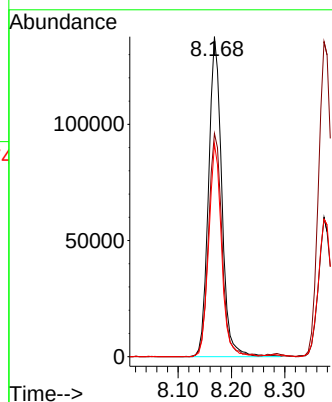
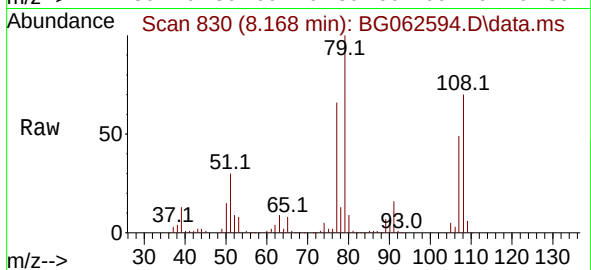
Tgt Ion: 79 Resp: 237107

Ion Ratio Lower Upper

79 100

108 69.8 58.2 87.2

77 66.5 56.5 84.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.493 ng

RT: 8.450 min Scan# 878

Delta R.T. -0.013 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

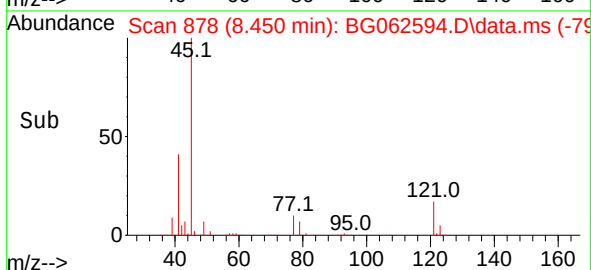
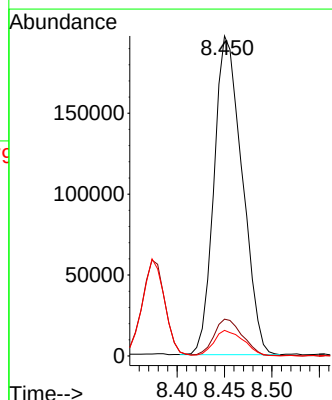
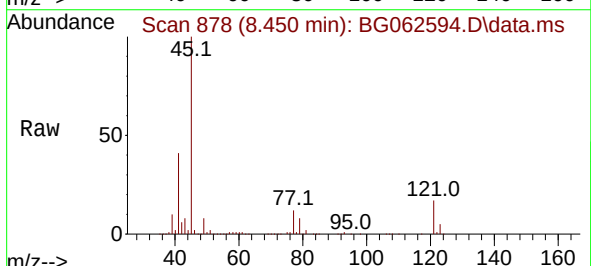
Tgt Ion: 45 Resp: 406470

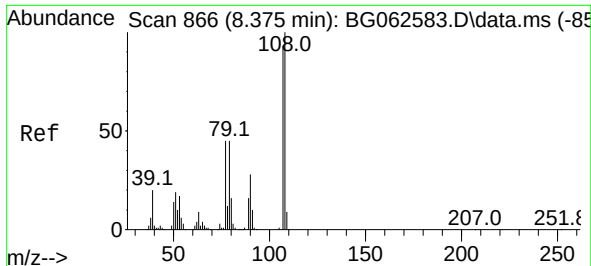
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.2

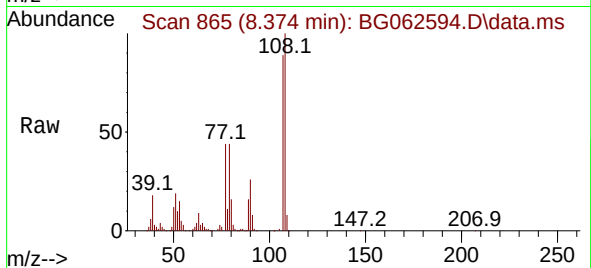
79 8.0 0.0 28.2



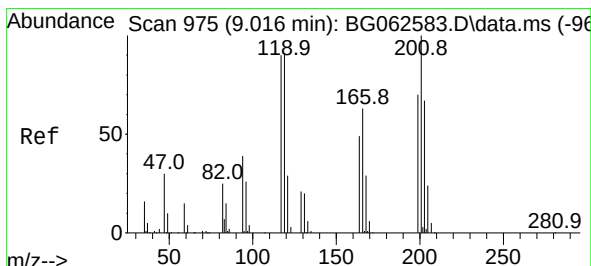
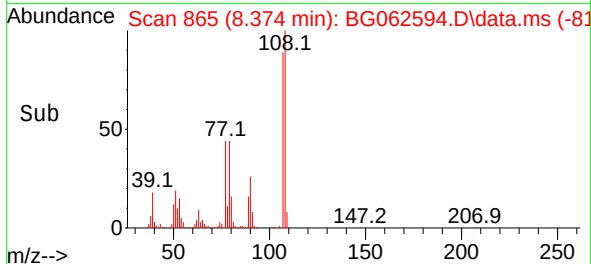
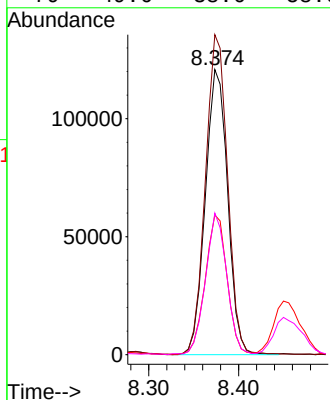


#17
2-Methylphenol
Concen: 45.815 ng
RT: 8.374 min Scan# 866
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

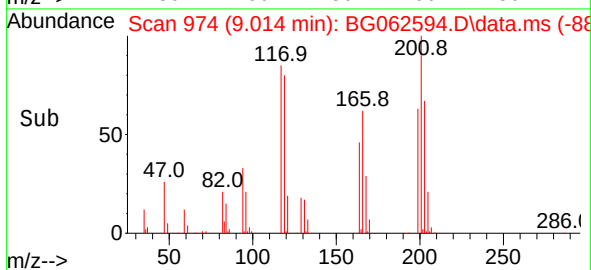
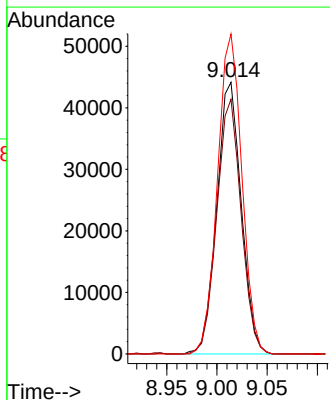
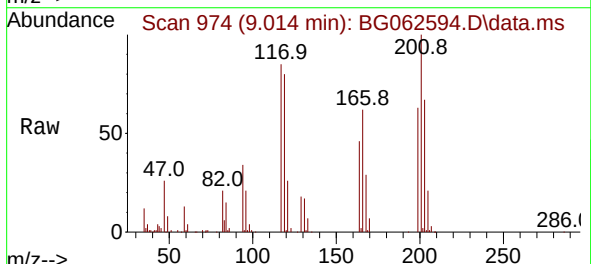


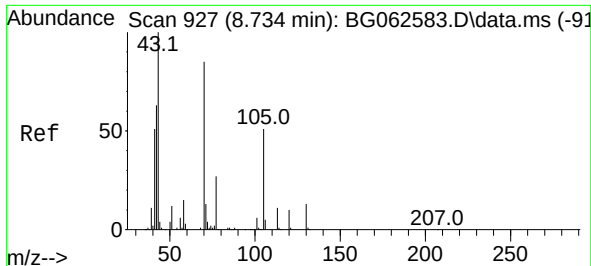
Tgt Ion:	107	Resp:	209220
Ion	Ratio	Lower	Upper
107	100		
108	112.2	85.6	128.4
77	49.0	38.6	58.0
79	49.6	38.6	58.0



#18
Hexachloroethane
Concen: 37.815 ng
RT: 9.014 min Scan# 974
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:	117	Resp:	75008
Ion	Ratio	Lower	Upper
117	100		
119	93.8	81.6	122.4
201	117.8	89.4	134.0





#19

n-Nitroso-di-n-propylamine

Concen: 44.560 ng

RT: 8.738 min Scan# 91

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion: 70 Resp: 196585

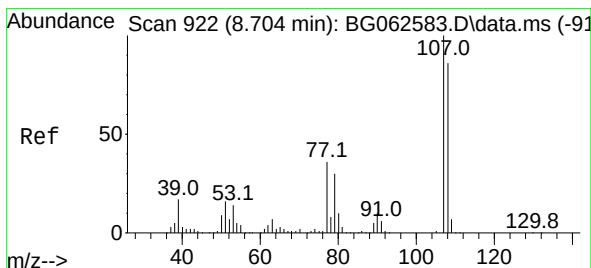
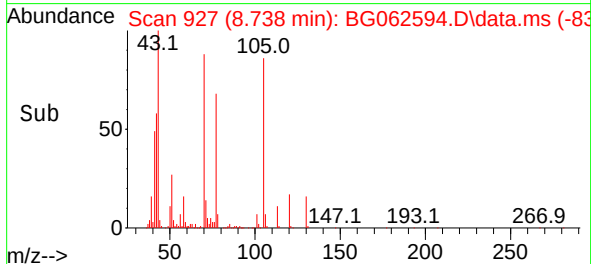
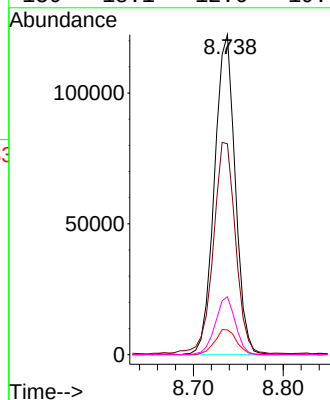
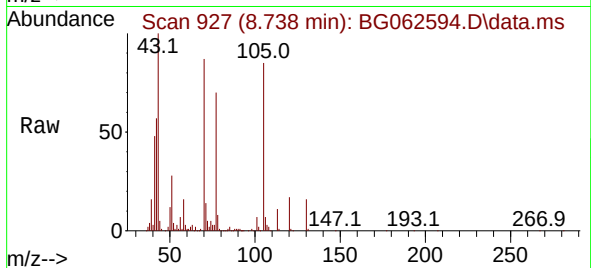
Ion Ratio Lower Upper

70 100

42 65.9 60.0 90.0

101 7.8 6.1 9.1

130 18.1 12.6 19.0



#20

3+4-Methylphenols

Concen: 46.001 ng

RT: 8.703 min Scan# 921

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Tgt Ion:107 Resp: 287256

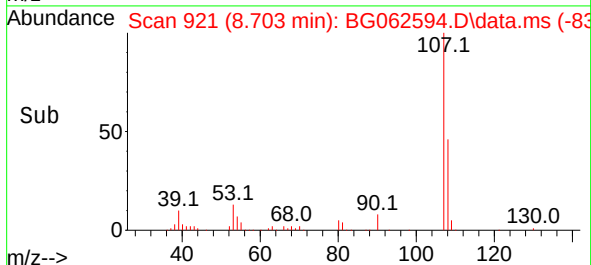
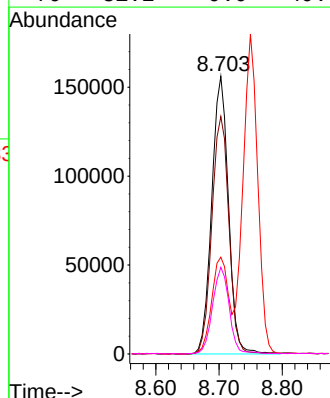
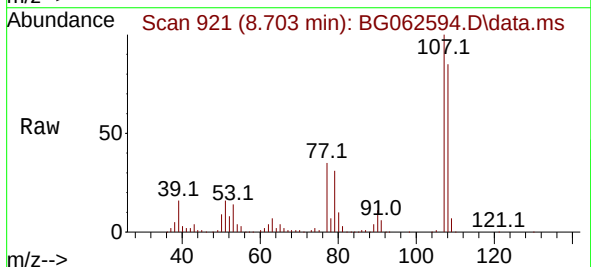
Ion Ratio Lower Upper

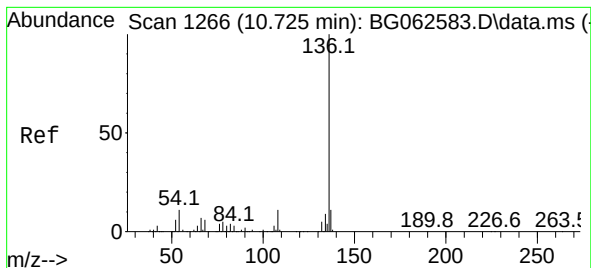
107 100

108 85.5 66.0 106.0

77 34.9 16.1 56.1

79 31.2 9.9 49.9

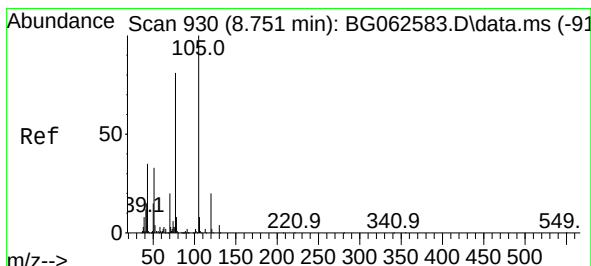
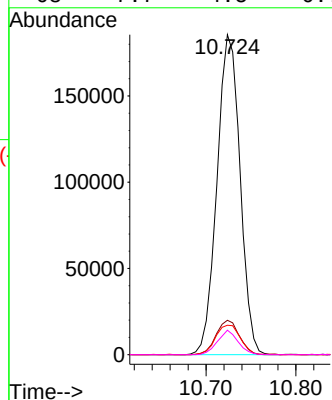
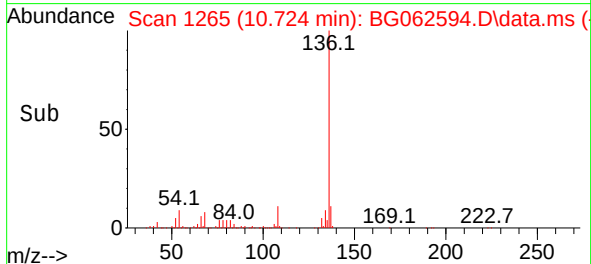
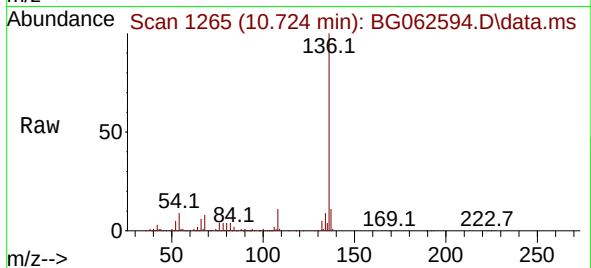




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.724 min Scan# 1266
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

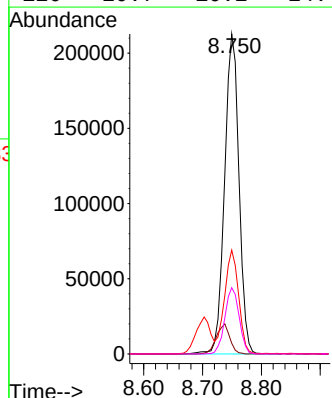
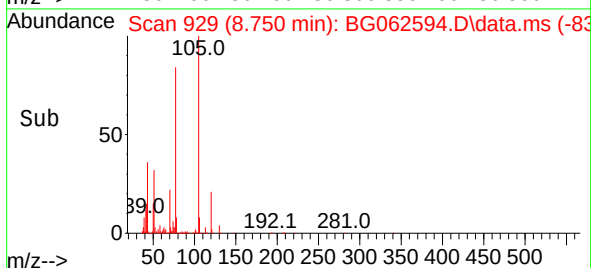
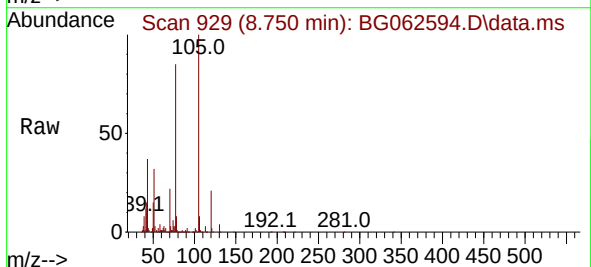
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

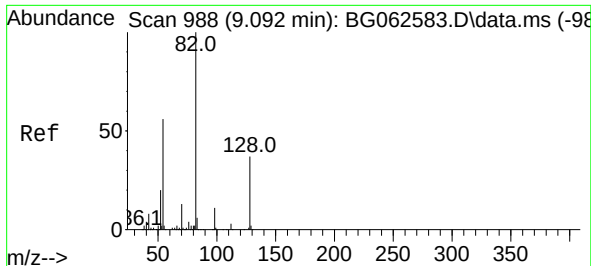
Tgt Ion:136	Resp:	330888
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	9.2	9.0 13.4
68	7.7	4.5 6.7



#22
Acetophenone
Concen: 43.797 ng
RT: 8.750 min Scan# 929
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:105	Resp:	361638
Ion Ratio	Lower	Upper
105	100	
71	3.3	2.5 3.7
51	32.5	26.6 40.0
120	20.7	16.2 24.4





#23

Nitrobenzene-d5

Concen: 97.710 ng

RT: 9.090 min Scan# 990

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

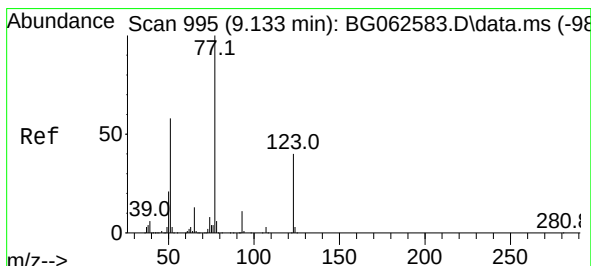
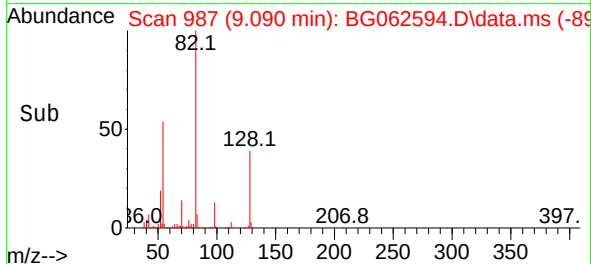
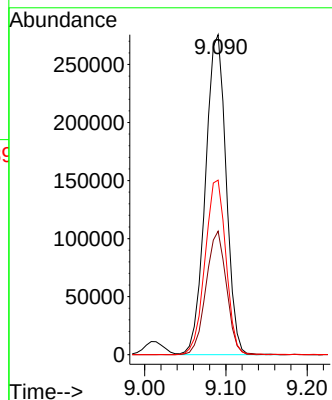
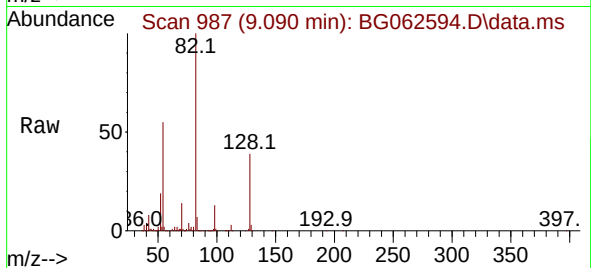
Tgt Ion: 82 Resp: 487158

Ion Ratio Lower Upper

82 100

128 38.6 29.7 44.5

54 54.5 44.4 66.6



#24

Nitrobenzene

Concen: 45.284 ng

RT: 9.131 min Scan# 994

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

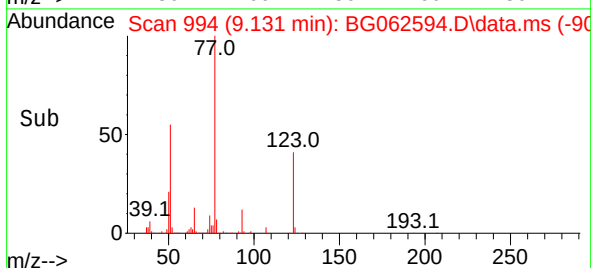
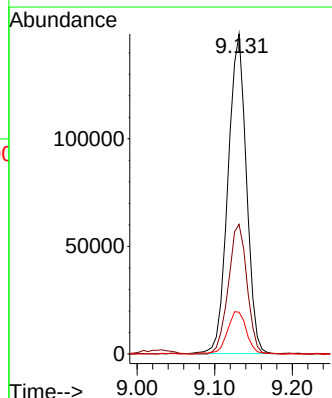
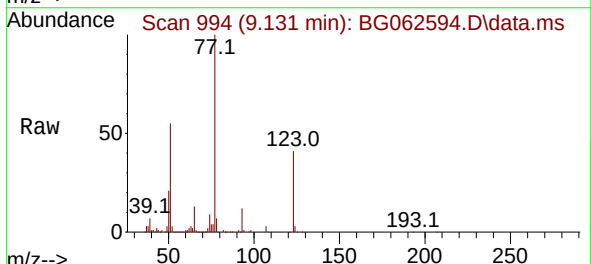
Tgt Ion: 77 Resp: 244493

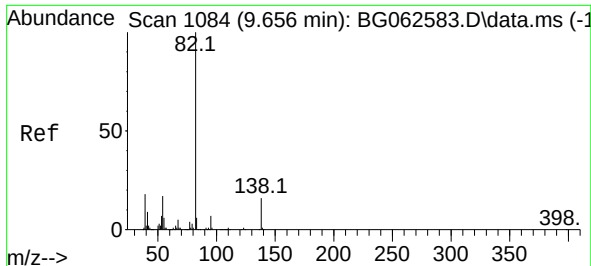
Ion Ratio Lower Upper

77 100

123 40.5 32.0 48.0

65 13.1 10.6 15.8

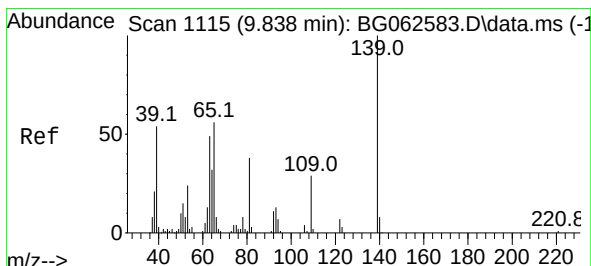
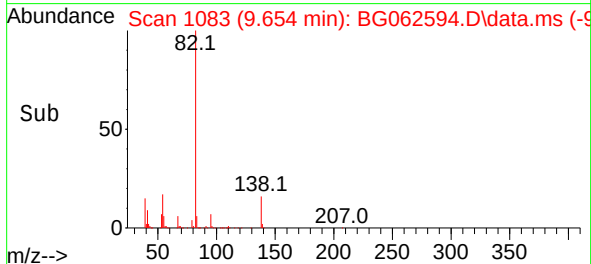
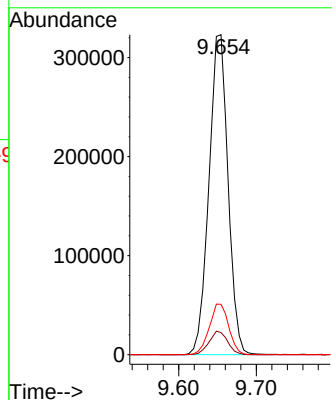
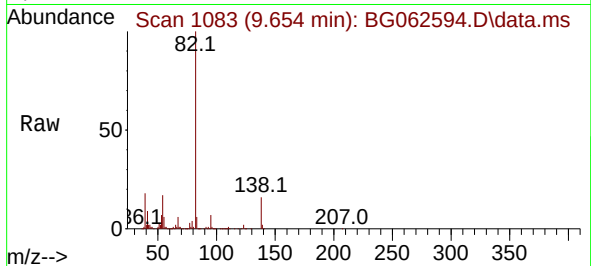




#25
Isophorone
Concen: 45.762 ng
RT: 9.654 min Scan# 1108
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

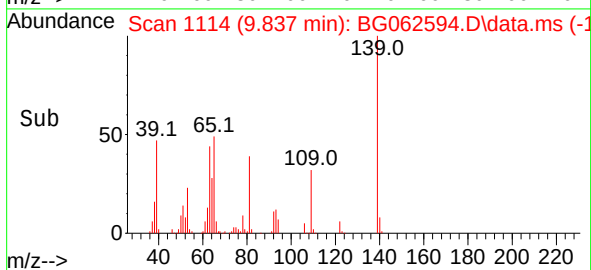
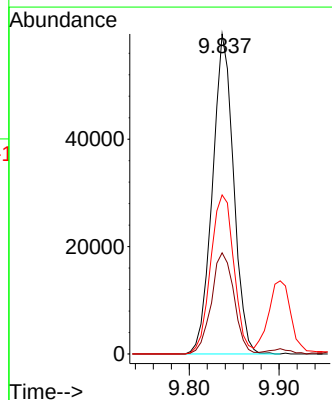
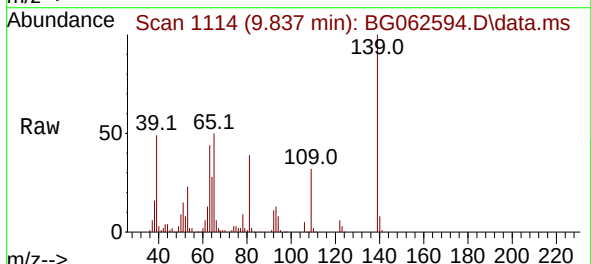
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

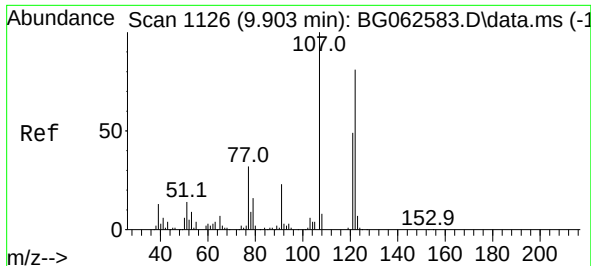
Tgt Ion: 82 Resp: 553442
Ion Ratio Lower Upper
82 100
95 6.9 5.2 7.8
138 15.7 13.0 19.4



#26
2-Nitrophenol
Concen: 52.692 ng
RT: 9.837 min Scan# 1114
Delta R.T. -0.001 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:139 Resp: 97381
Ion Ratio Lower Upper
139 100
109 31.6 23.1 34.7
65 49.7 44.6 67.0

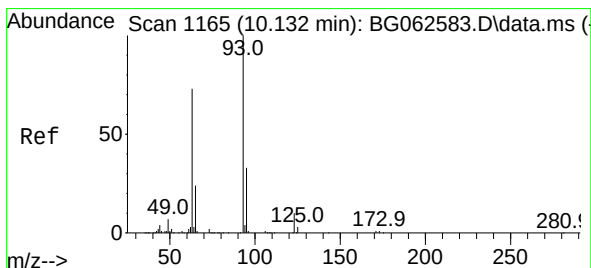
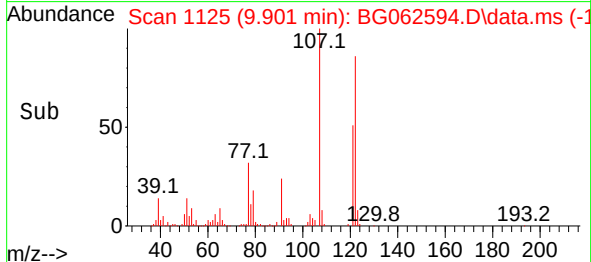
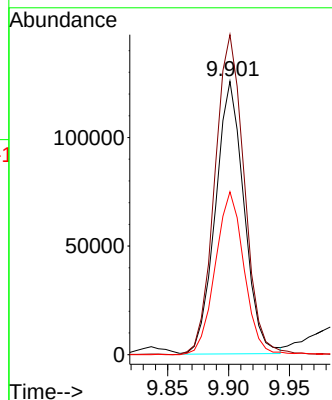
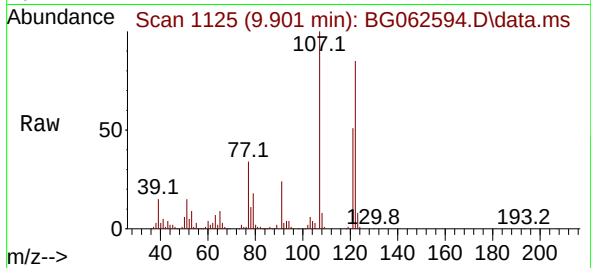




#27
2,4-Dimethylphenol
Concen: 64.822 ng
RT: 9.901 min Scan# 1125
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

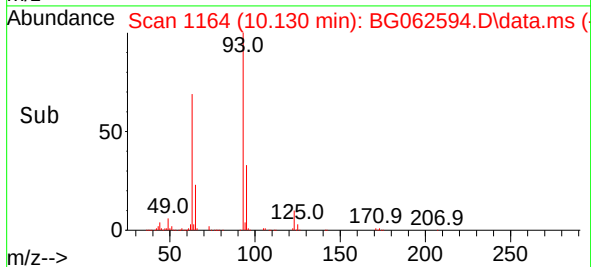
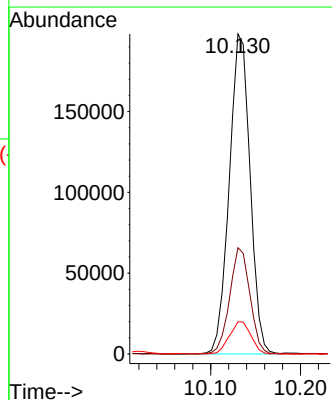
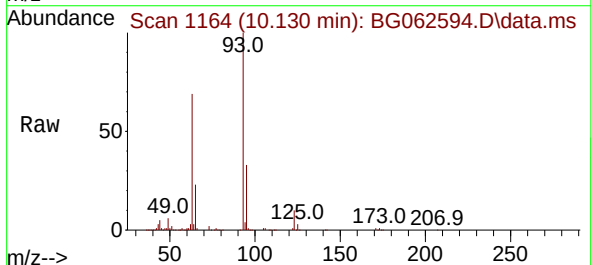
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

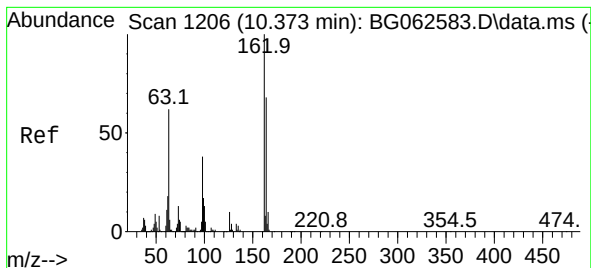
Tgt Ion:122 Resp: 204879
Ion Ratio Lower Upper
122 100
107 117.1 98.0 147.0
121 59.6 48.2 72.4



#28
bis(2-Chloroethoxy)methane
Concen: 45.460 ng
RT: 10.130 min Scan# 1164
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion: 93 Resp: 318681
Ion Ratio Lower Upper
93 100
95 33.2 26.6 39.8
123 10.0 8.2 12.2





#29

2,4-Dichlorophenol

Concen: 53.076 ng

RT: 10.371 min Scan# 1205

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

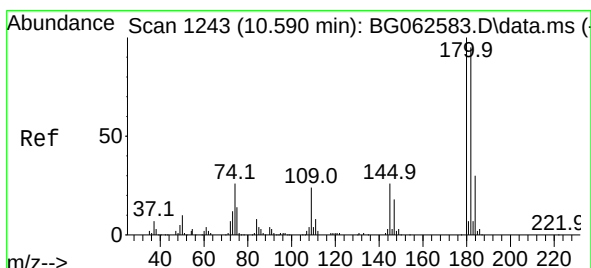
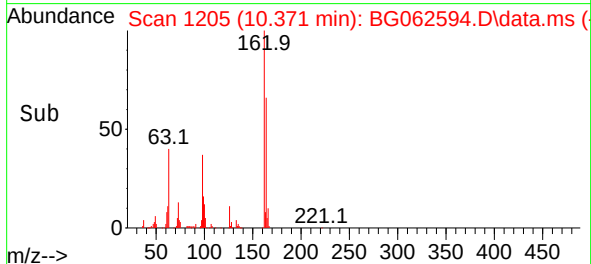
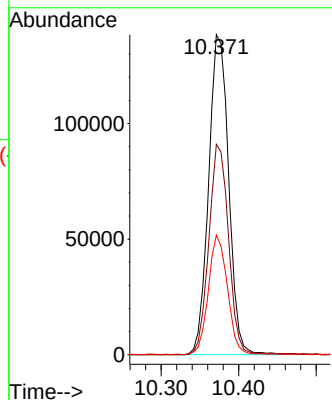
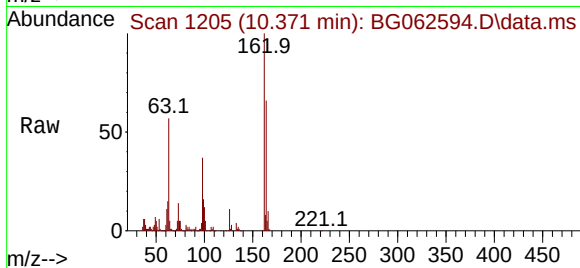
Tgt Ion:162 Resp: 248354

Ion Ratio Lower Upper

162 100

164 65.7 47.5 87.5

98 37.3 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 42.214 ng

RT: 10.589 min Scan# 1242

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

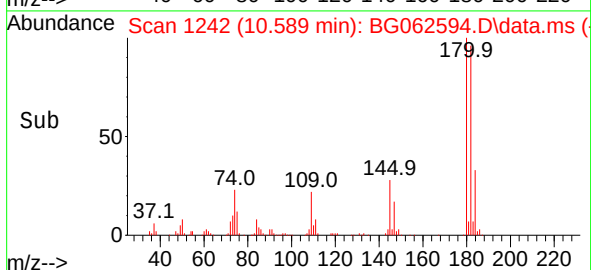
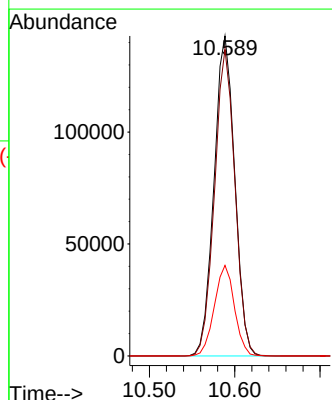
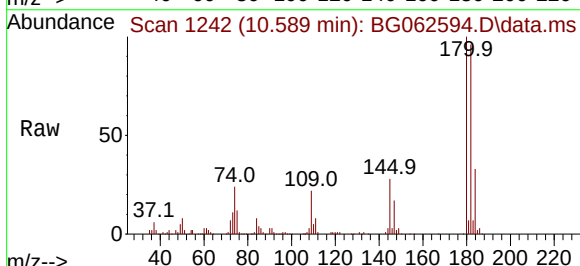
Tgt Ion:180 Resp: 241297

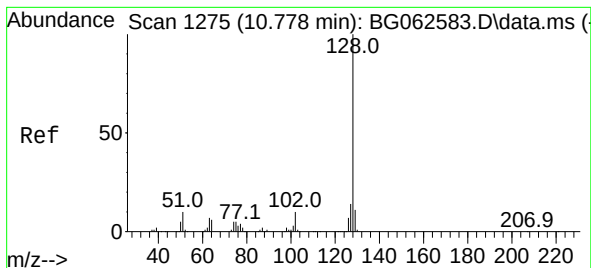
Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 28.3 21.1 31.7

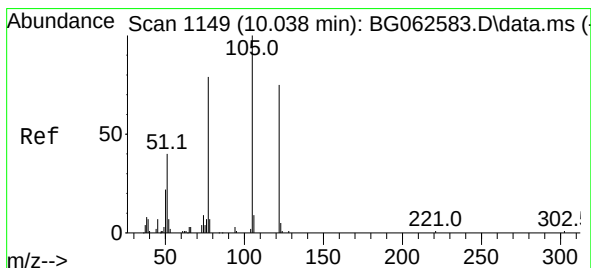
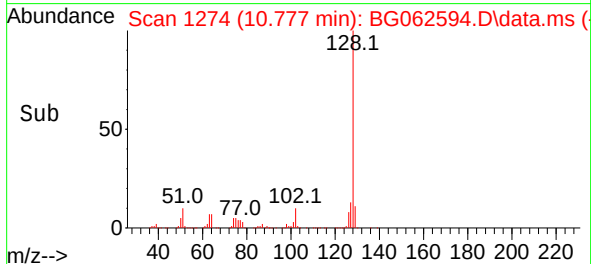
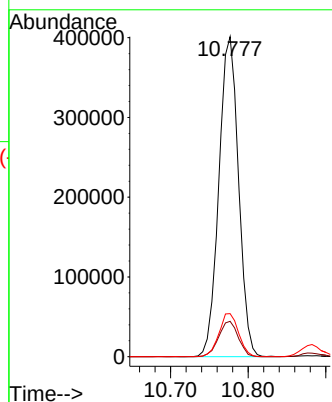
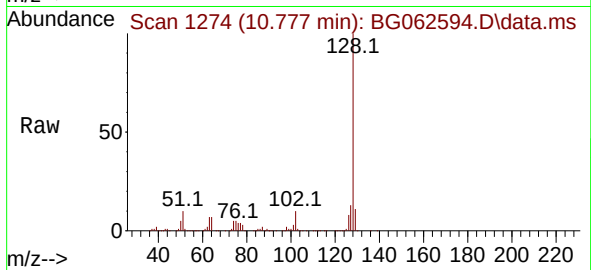




#31
Naphthalene
Concen: 42.787 ng
RT: 10.777 min Scan# 1145
Delta R.T. -0.001 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

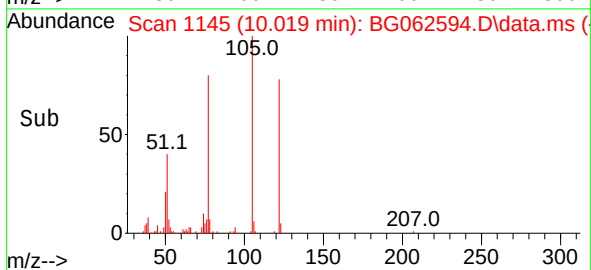
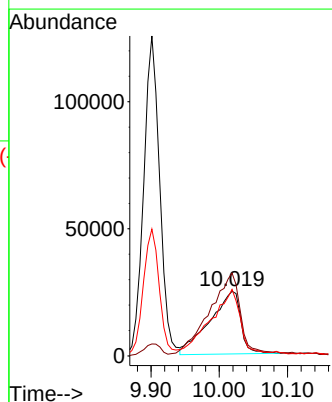
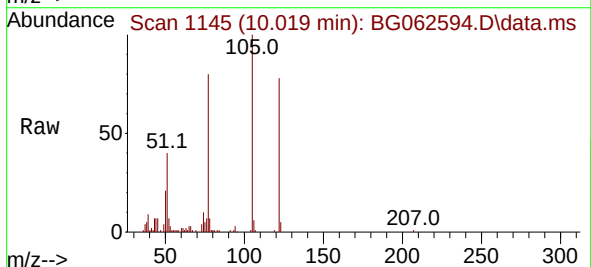
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

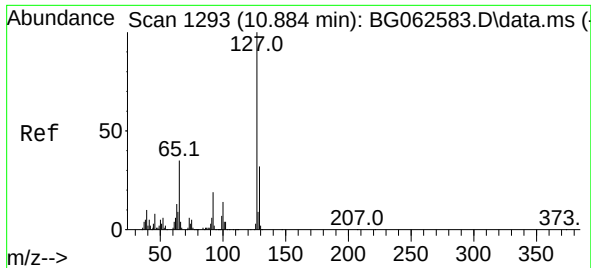
Tgt Ion:128 Resp: 706670
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 13.4 11.0 16.6



#32
Benzoic acid
Concen: 29.796 ng
RT: 10.019 min Scan# 1145
Delta R.T. -0.019 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:122 Resp: 77902
Ion Ratio Lower Upper
122 100
105 127.9 104.4 144.4
77 102.9 81.4 121.4





#33

4-Chloroaniline

Concen: 4.869 ng

RT: 10.882 min Scan# 1292

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion:127 Resp: 29212

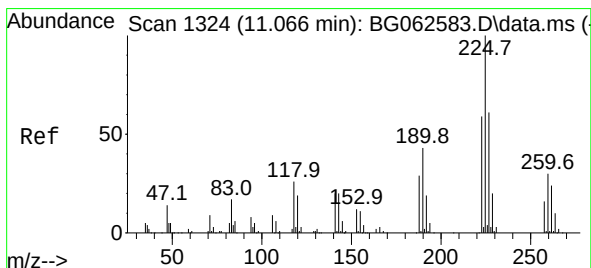
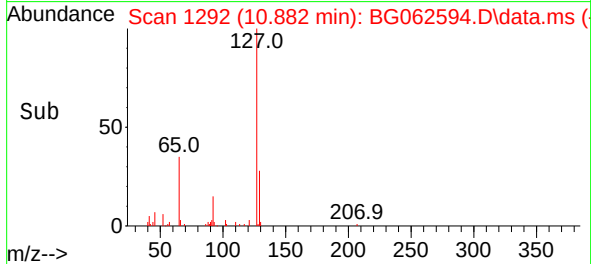
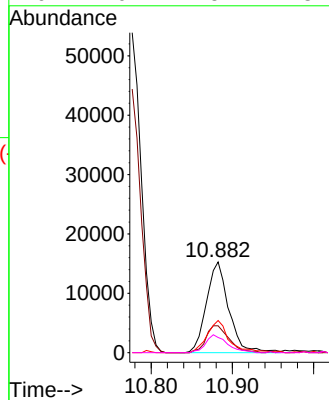
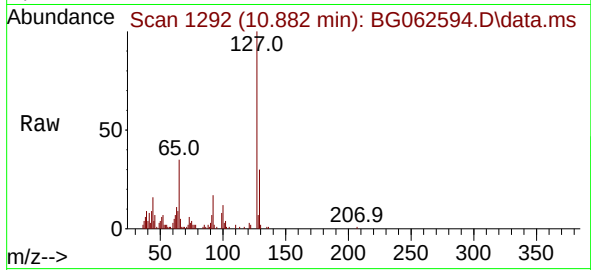
Ion Ratio Lower Upper

127 100

129 29.6 25.8 38.6

65 35.4 27.7 41.5

92 16.7 15.4 23.0



#34

Hexachlorobutadiene

Concen: 41.465 ng

RT: 11.065 min Scan# 1323

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

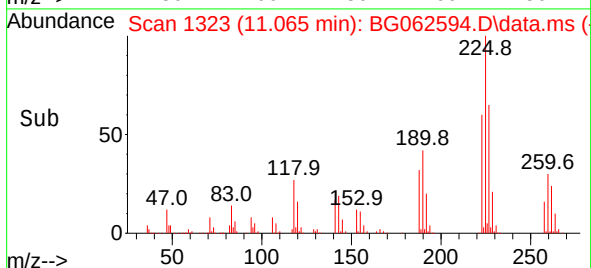
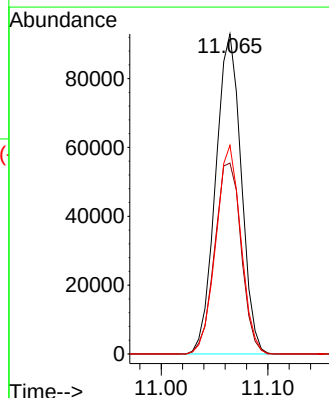
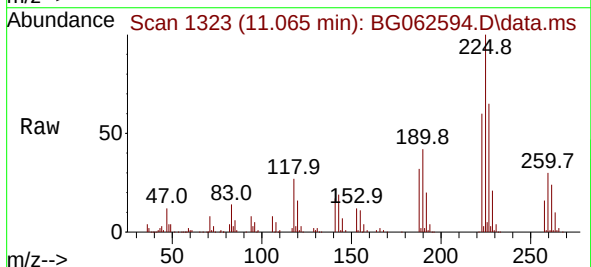
Tgt Ion:225 Resp: 154628

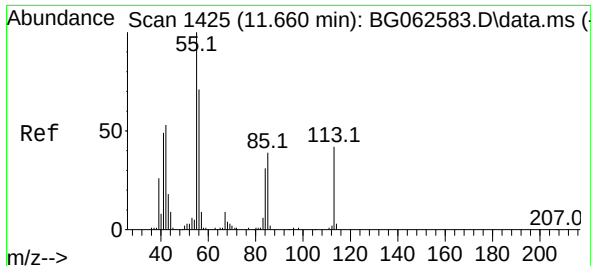
Ion Ratio Lower Upper

225 100

223 56.9 47.4 71.0

227 64.9 48.6 72.8





#35

Caprolactam

Concen: 20.853 ng

RT: 11.658 min Scan# 1424

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

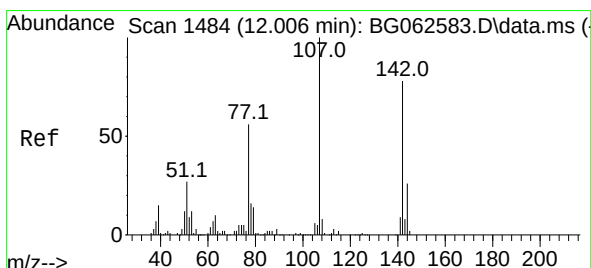
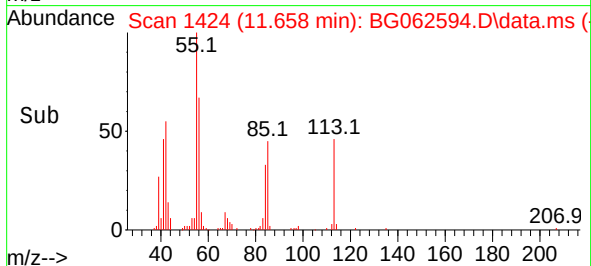
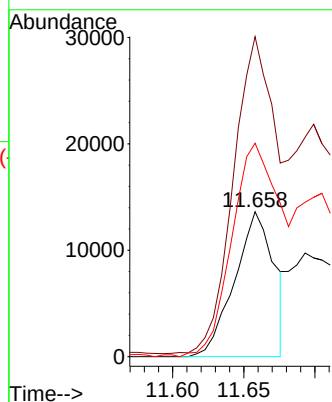
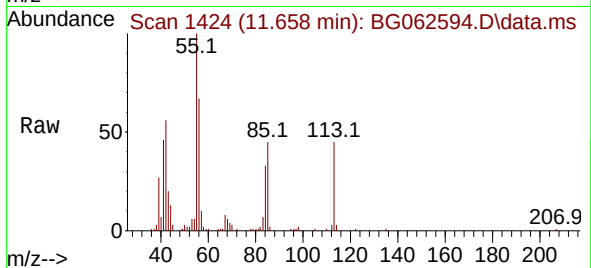
Tgt Ion:113 Resp: 26293

Ion Ratio Lower Upper

113 100

55 220.6 220.5 260.5

56 147.2 151.4 191.4#



#36

4-Chloro-3-methylphenol

Concen: 50.692 ng

RT: 12.010 min Scan# 1484

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

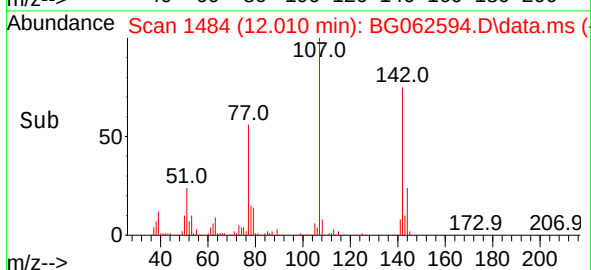
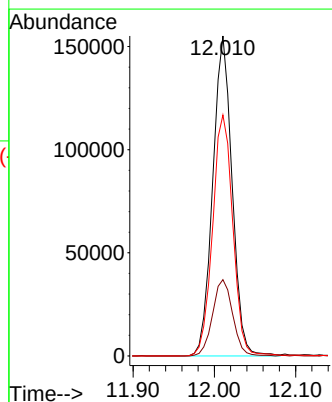
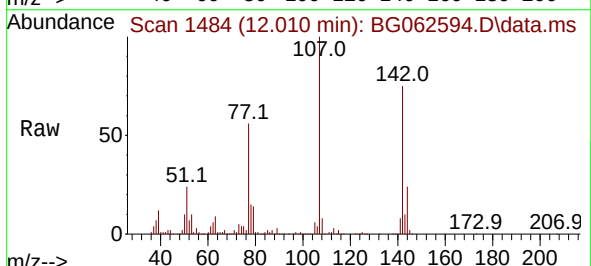
Tgt Ion:107 Resp: 257011

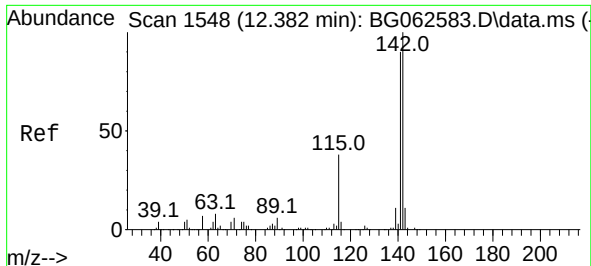
Ion Ratio Lower Upper

107 100

144 23.8 20.8 31.2

142 75.3 62.5 93.7

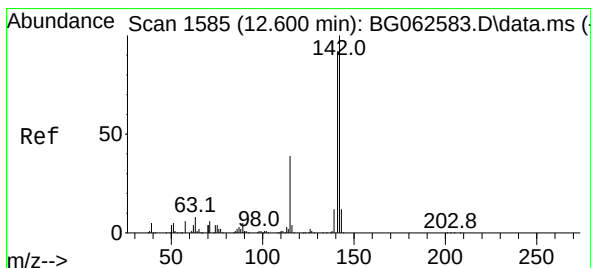
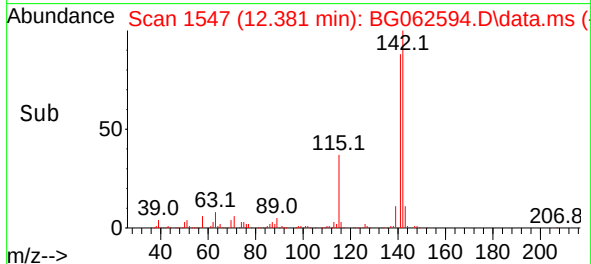
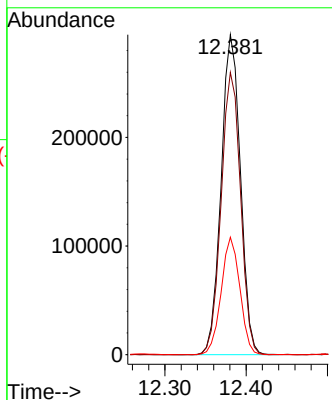
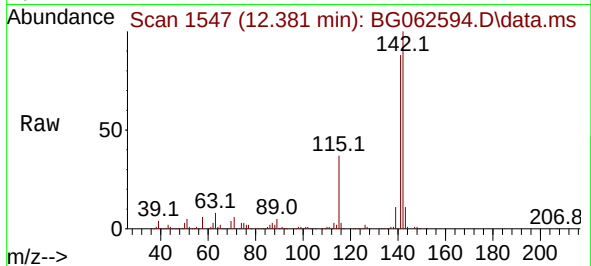




#37
2-Methylnaphthalene
Concen: 43.740 ng
RT: 12.381 min Scan# 1548
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

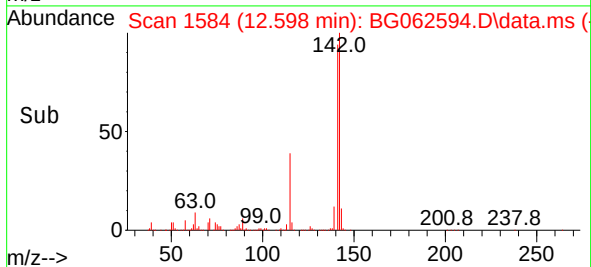
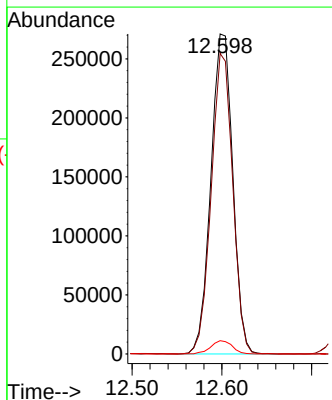
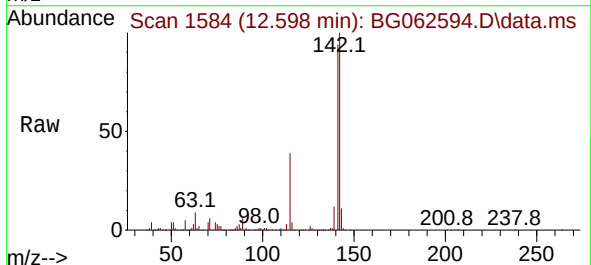
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

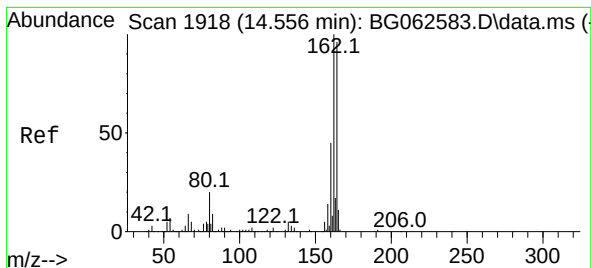
Tgt Ion:142 Resp: 486742
Ion Ratio Lower Upper
142 100
141 88.2 71.8 107.6
115 36.7 30.6 46.0



#38
1-Methylnaphthalene
Concen: 41.209 ng
RT: 12.598 min Scan# 1584
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:142 Resp: 458848
Ion Ratio Lower Upper
142 100
141 93.9 73.6 110.4
116 4.1 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.555 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

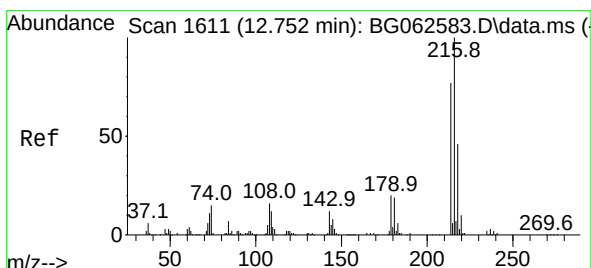
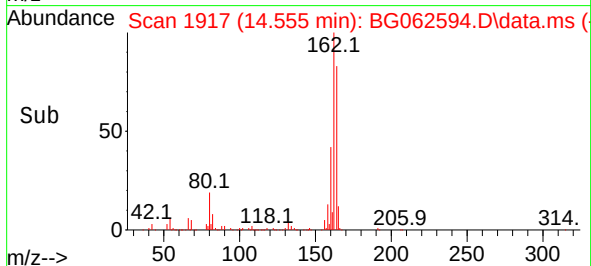
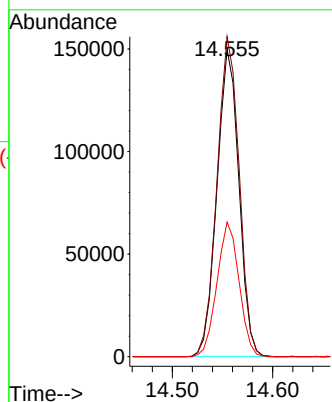
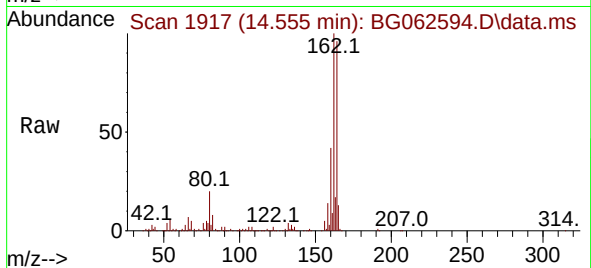
Tgt Ion:164 Resp: 227021

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.6

160 43.8 37.7 56.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.565 ng

RT: 12.751 min Scan# 1610

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Tgt Ion:216 Resp: 294622

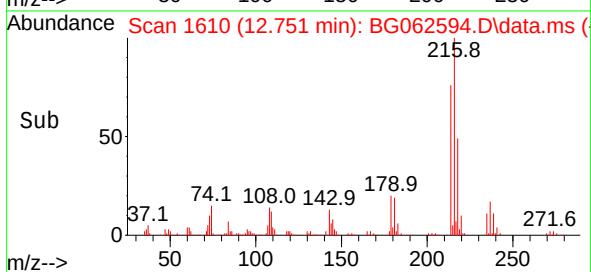
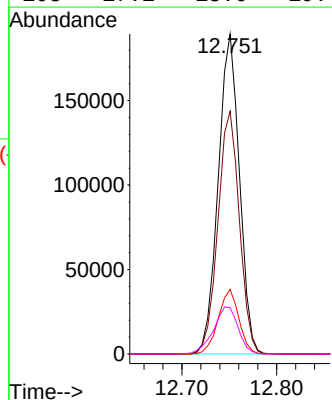
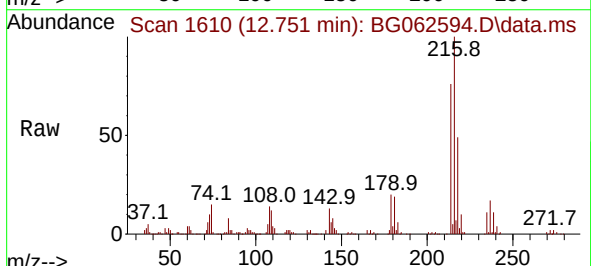
Ion Ratio Lower Upper

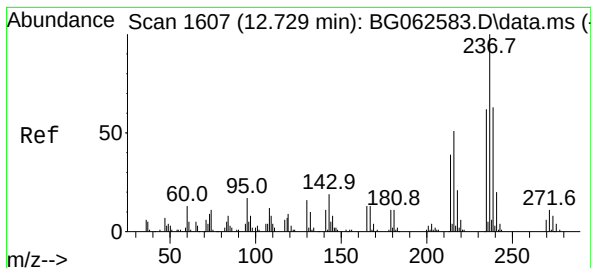
216 100

214 76.6 60.9 91.3

179 19.7 16.0 24.0

108 17.1 13.0 19.4





#41

Hexachlorocyclopentadiene

Concen: 178.055 ng

RT: 12.733 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

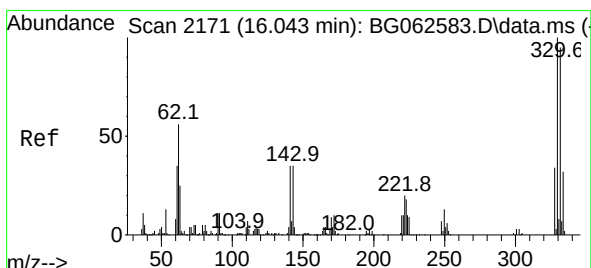
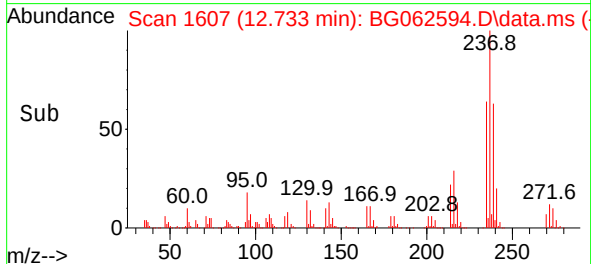
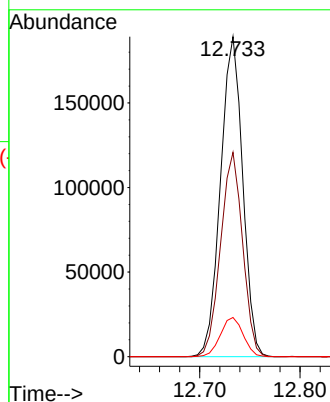
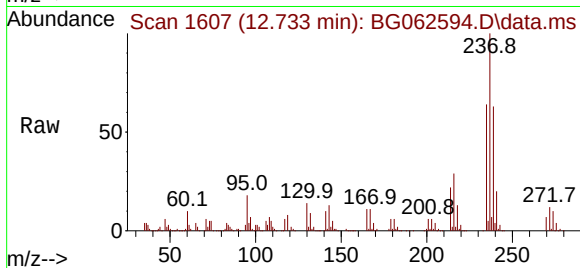
Tgt Ion:237 Resp: 289464

Ion Ratio Lower Upper

237 100

235 63.9 41.8 81.8

272 12.3 0.0 31.4



#42

2,4,6-Tribromophenol

Concen: 173.687 ng

RT: 16.047 min Scan# 2171

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

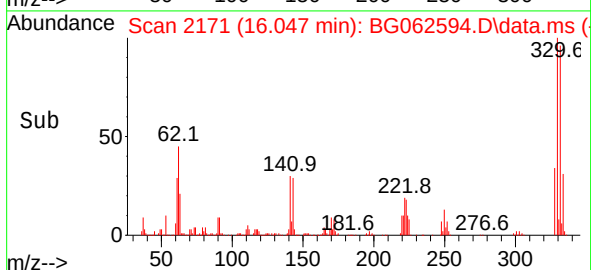
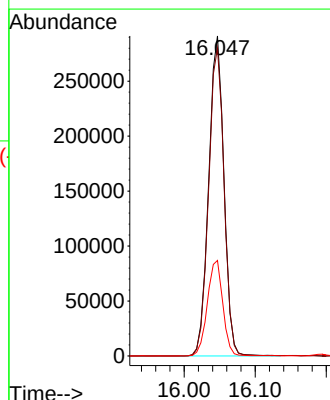
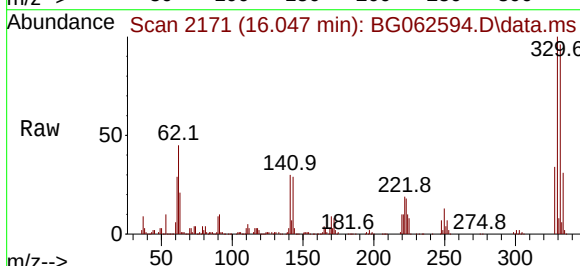
Tgt Ion:330 Resp: 435567

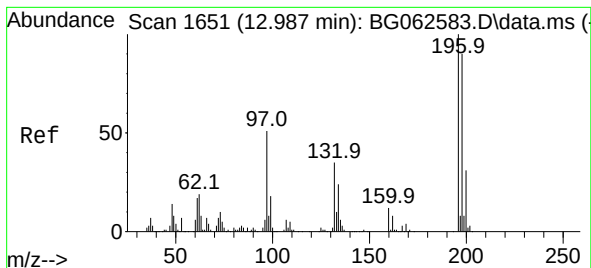
Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 30.4 26.5 39.7





#43

2,4,6-Trichlorophenol

Concen: 56.659 ng

RT: 12.992 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

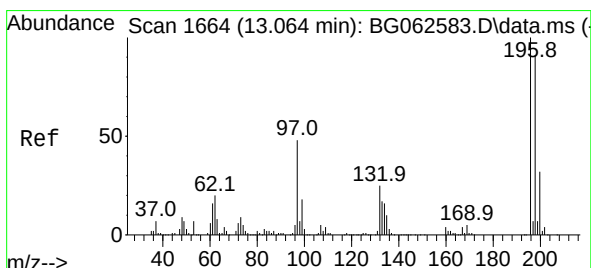
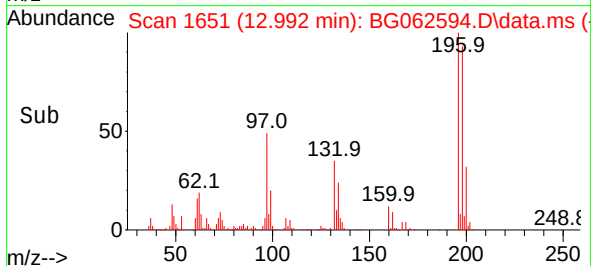
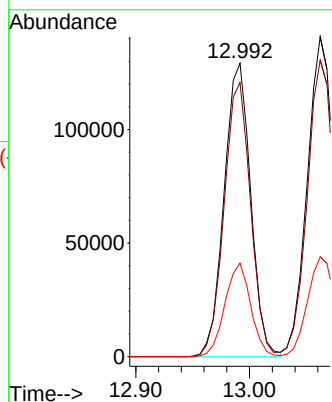
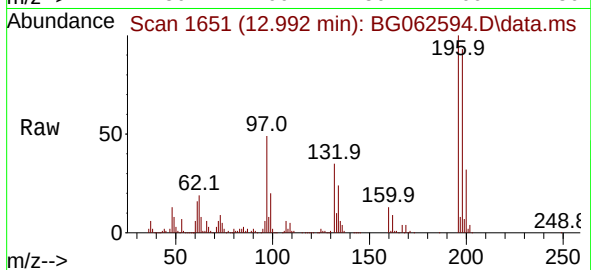
Tgt Ion:196 Resp: 209683

Ion Ratio Lower Upper

196 100

198 93.4 71.8 107.8

200 31.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 53.471 ng

RT: 13.062 min Scan# 1663

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Tgt Ion:196 Resp: 233207

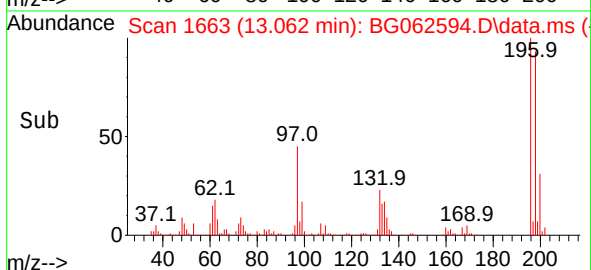
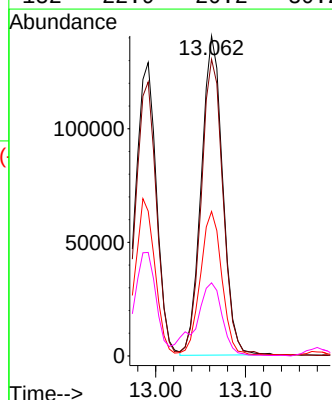
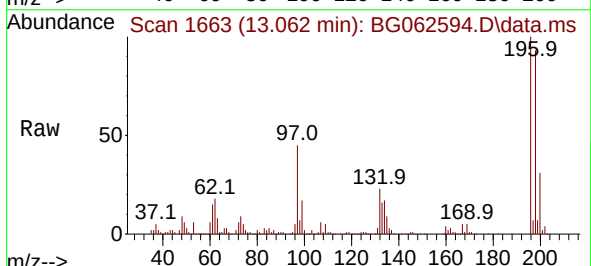
Ion Ratio Lower Upper

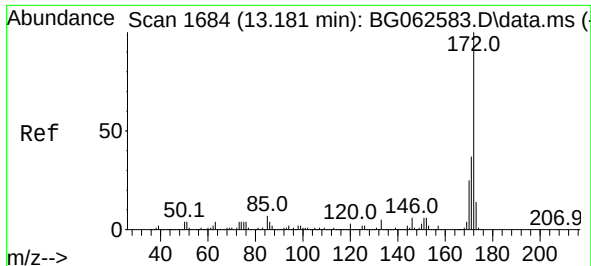
196 100

198 92.7 72.6 108.8

97 45.2 38.7 58.1

132 22.9 20.2 30.2





#45

2-Fluorobiphenyl

Concen: 90.558 ng

RT: 13.180 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

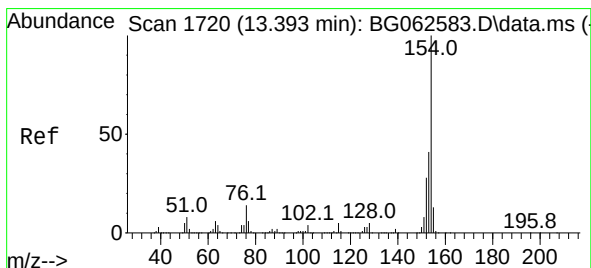
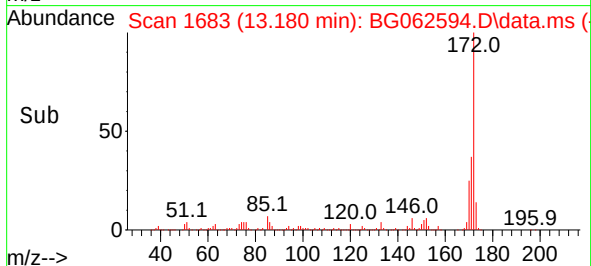
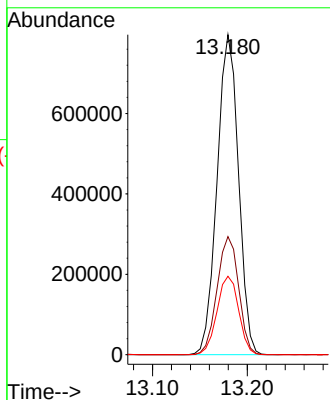
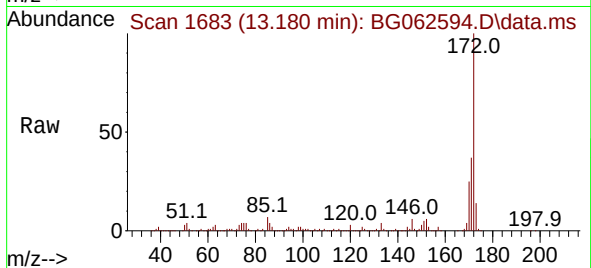
Tgt Ion:172 Resp: 1250292

Ion Ratio Lower Upper

172 100

171 36.9 29.7 44.5

170 24.5 20.1 30.1



#46

1,1'-Biphenyl

Concen: 44.467 ng

RT: 13.391 min Scan# 1719

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

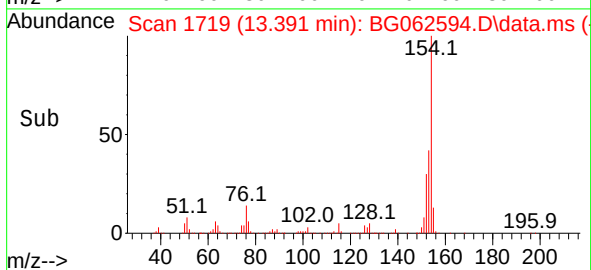
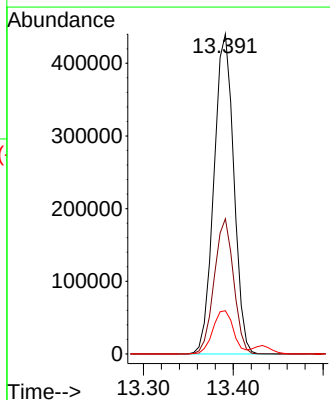
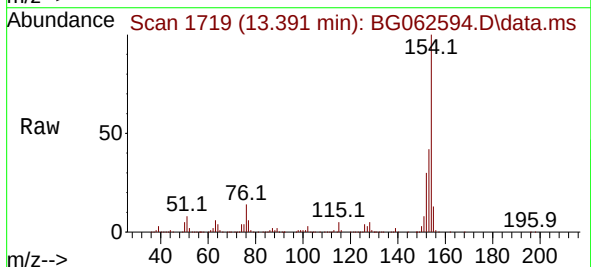
Tgt Ion:154 Resp: 675437

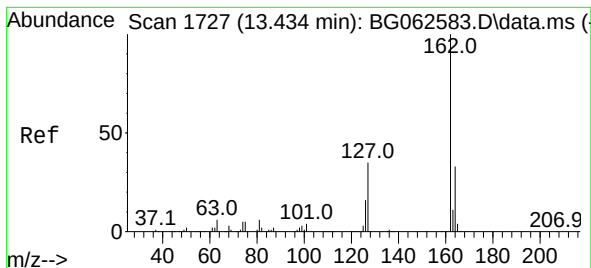
Ion Ratio Lower Upper

154 100

153 42.3 21.1 61.1

76 13.5 0.0 33.5





#47

2-Chloronaphthalene

Concen: 45.230 ng

RT: 13.432 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

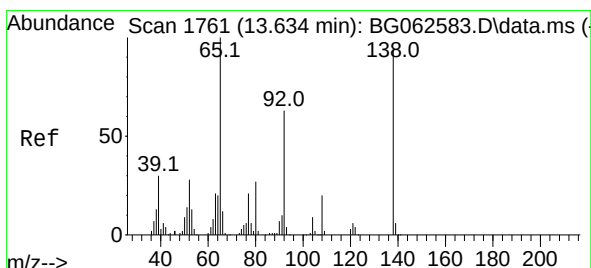
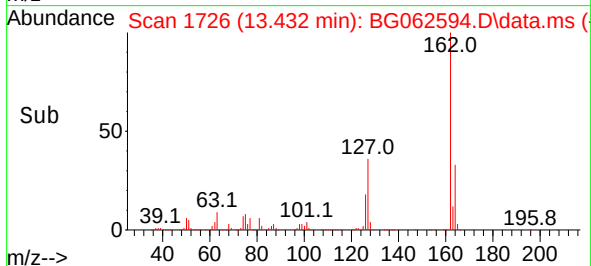
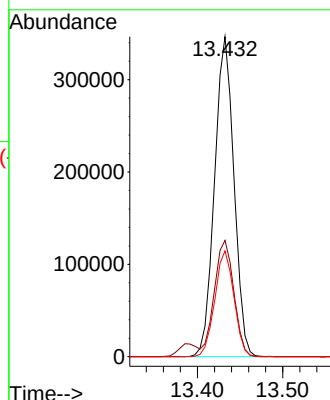
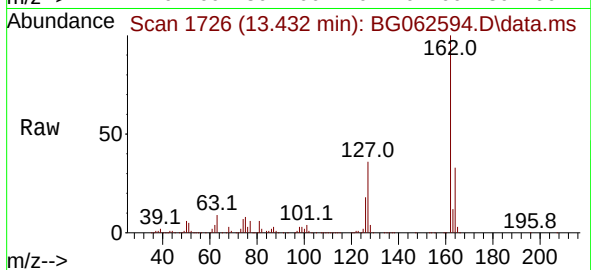
Tgt Ion:162 Resp: 548347

Ion Ratio Lower Upper

162 100

127 36.3 30.0 45.0

164 33.1 26.6 40.0



#48

2-Nitroaniline

Concen: 56.465 ng

RT: 13.632 min Scan# 1760

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

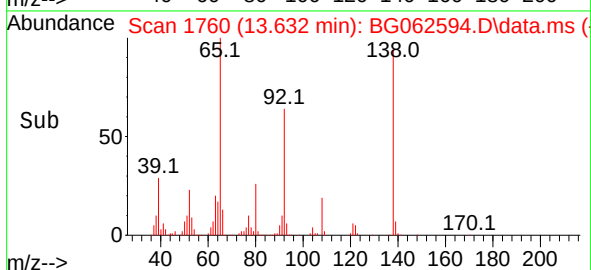
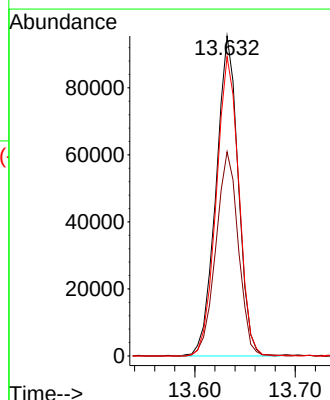
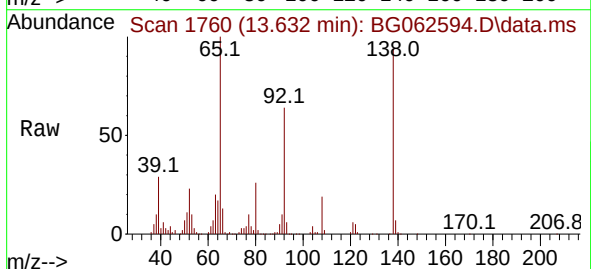
Tgt Ion: 65 Resp: 146783

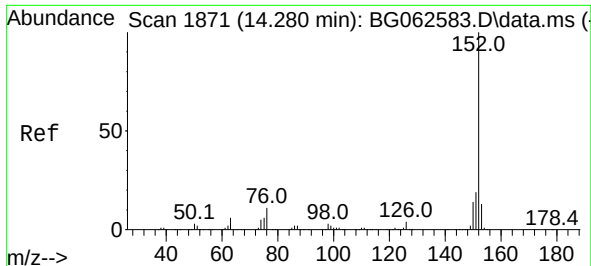
Ion Ratio Lower Upper

65 100

92 63.8 50.6 76.0

138 93.6 75.4 113.2





#49

Acenaphthylene

Concen: 49.815 ng

RT: 14.278 min Scan# 1870

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

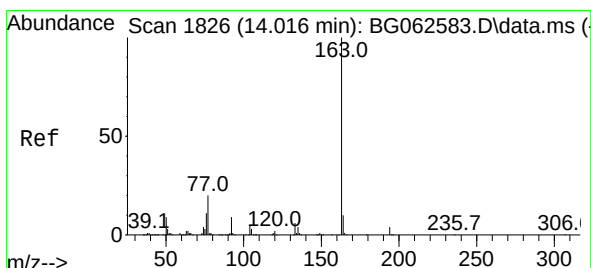
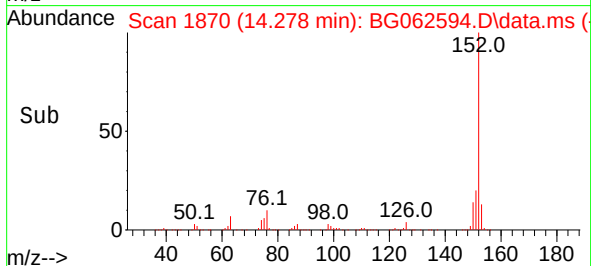
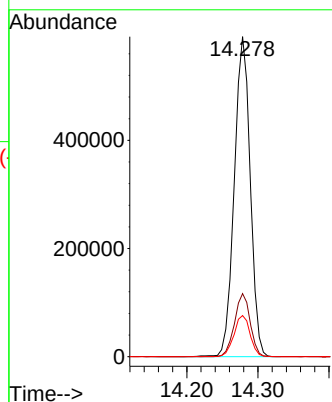
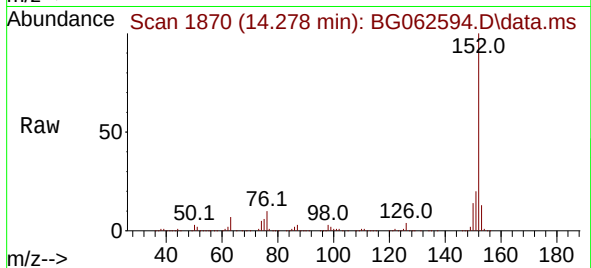
Tgt Ion:152 Resp: 920684

Ion Ratio Lower Upper

152 100

151 19.7 15.0 22.4

153 12.9 10.3 15.5



#50

Dimethylphthalate

Concen: 53.476 ng

RT: 14.014 min Scan# 1825

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

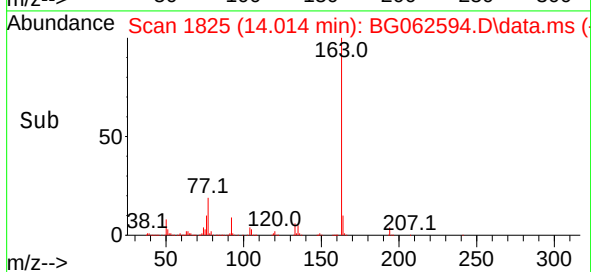
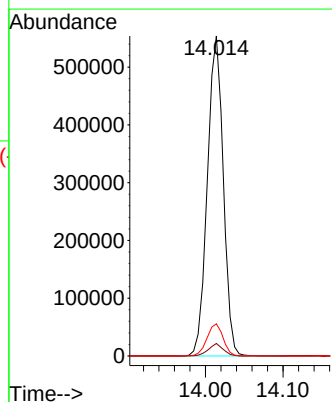
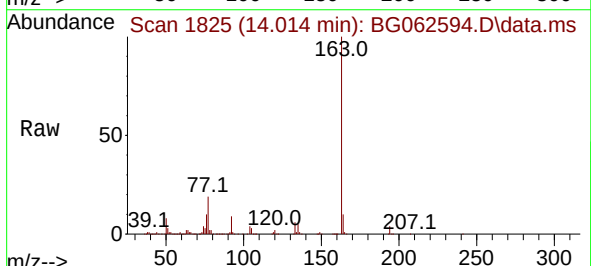
Tgt Ion:163 Resp: 788882

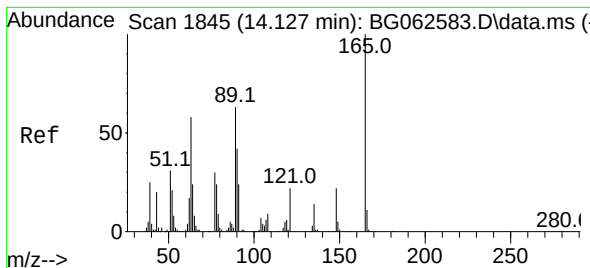
Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

164 10.1 8.0 12.0

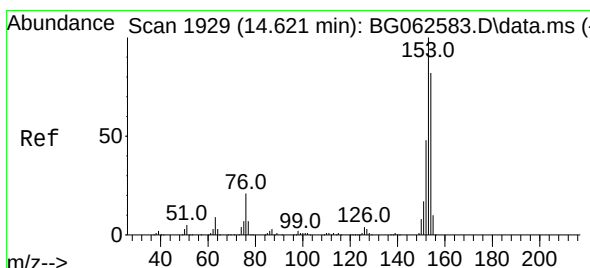
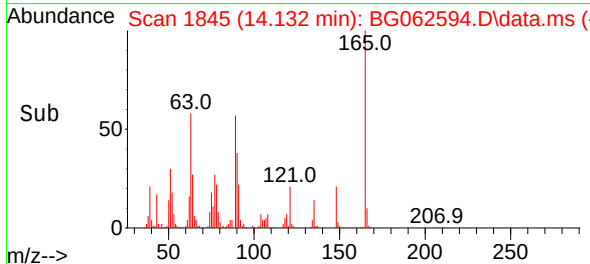
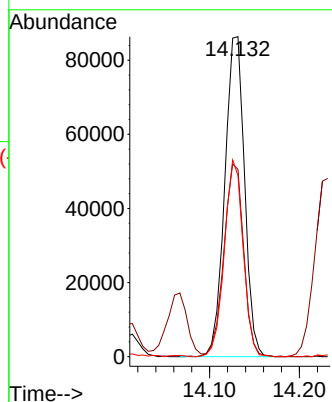
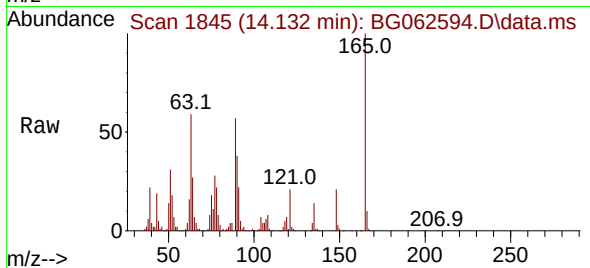




#51
2,6-Dinitrotoluene
Concen: 46.191 ng
RT: 14.132 min Scan# 1845
Delta R.T. 0.005 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

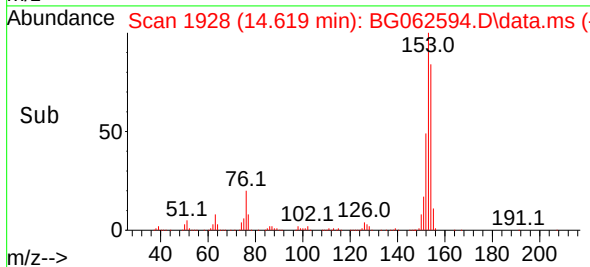
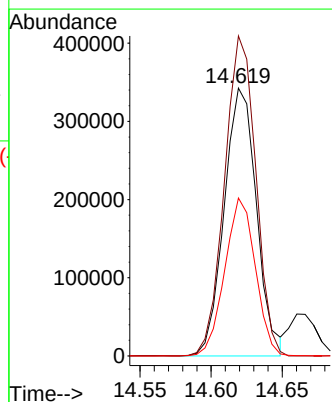
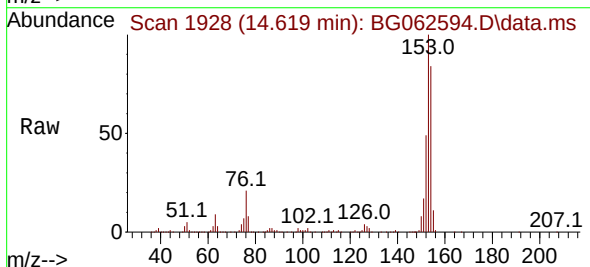
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

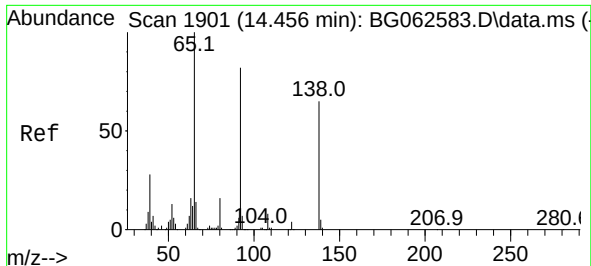
Tgt Ion:165 Resp: 131826
Ion Ratio Lower Upper
165 100
63 58.5 51.0 76.6
89 56.6 50.6 76.0



#52
Acenaphthene
Concen: 47.608 ng
RT: 14.619 min Scan# 1928
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:154 Resp: 542860
Ion Ratio Lower Upper
154 100
153 119.5 97.8 146.8
152 59.0 46.8 70.2





#53

3-Nitroaniline

Concen: 18.862 ng

RT: 14.461 min Scan# 1901

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

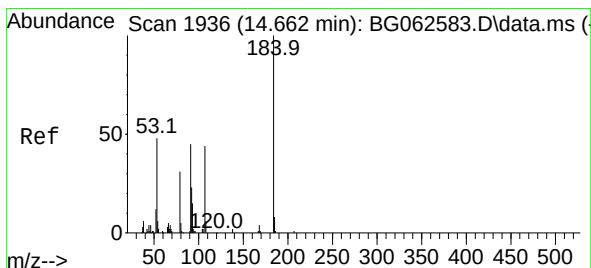
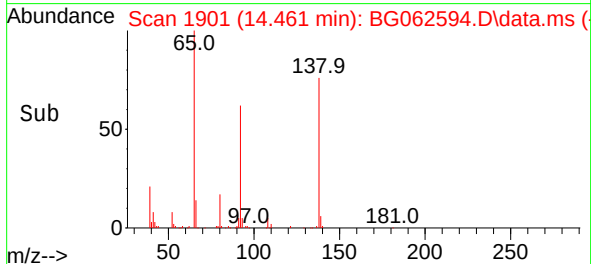
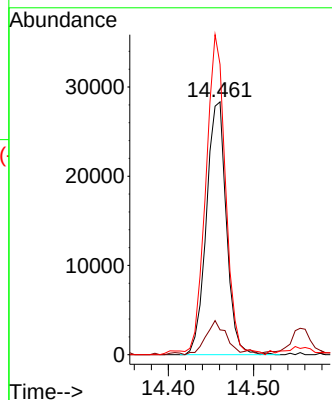
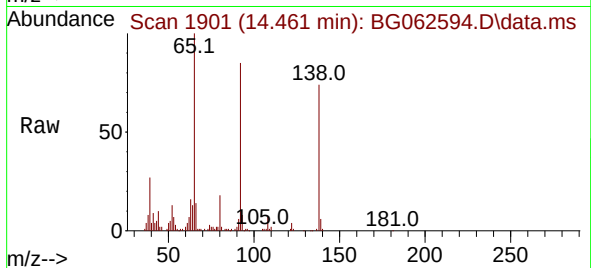
Tgt Ion:138 Resp: 46200

Ion Ratio Lower Upper

138 100

108 9.8 9.4 14.2

92 114.8 101.2 151.8



#54

2,4-Dinitrophenol

Concen: 102.193 ng

RT: 14.666 min Scan# 1936

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

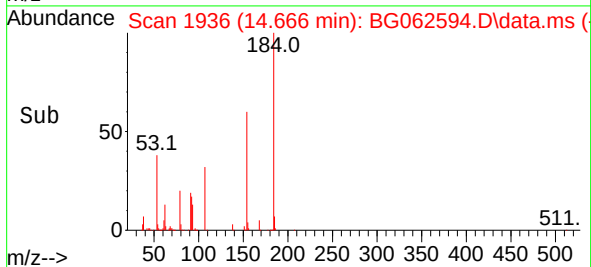
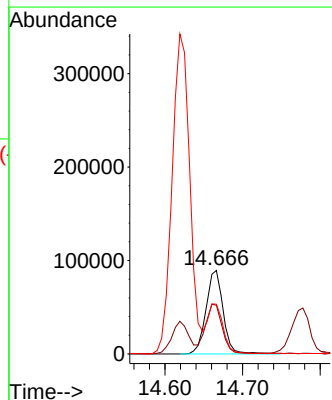
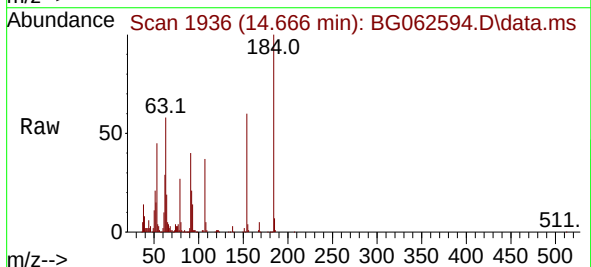
Tgt Ion:184 Resp: 137169

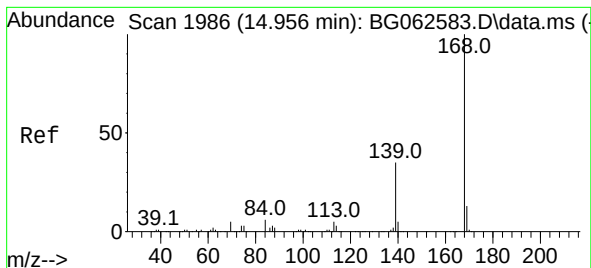
Ion Ratio Lower Upper

184 100

63 58.5 48.6 73.0

154 59.6 50.6 76.0





#55

Dibenzofuran

Concen: 48.663 ng

RT: 14.954 min Scan# 1986

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

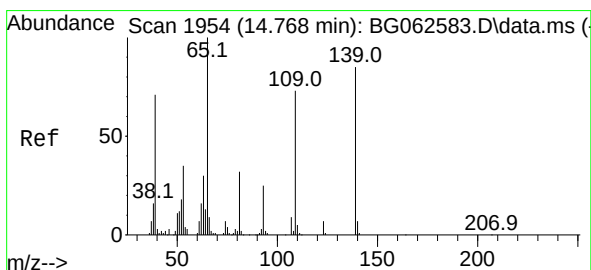
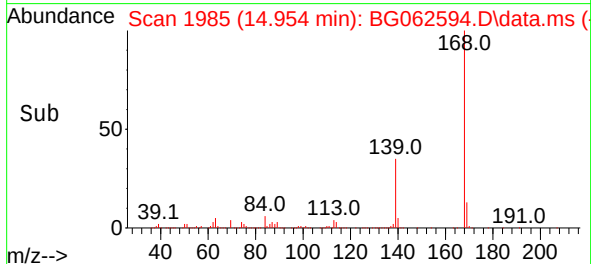
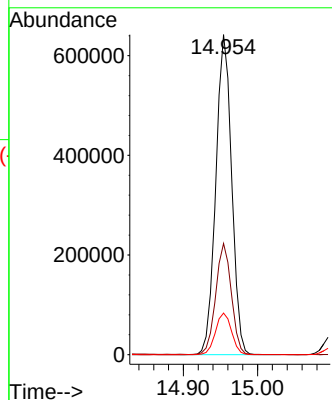
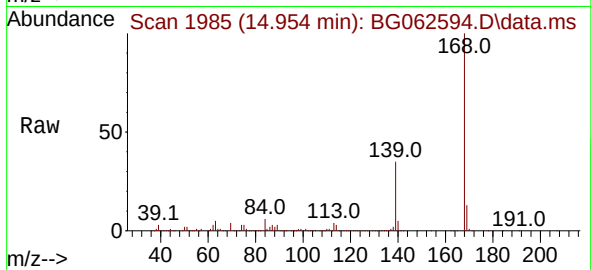
Tgt Ion:168 Resp: 951424

Ion Ratio Lower Upper

168 100

139 34.7 28.2 42.4

169 13.0 10.5 15.7



#56

4-Nitrophenol

Concen: 110.674 ng

RT: 14.778 min Scan# 1955

Delta R.T. 0.010 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

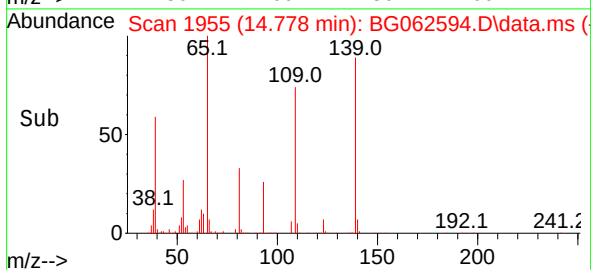
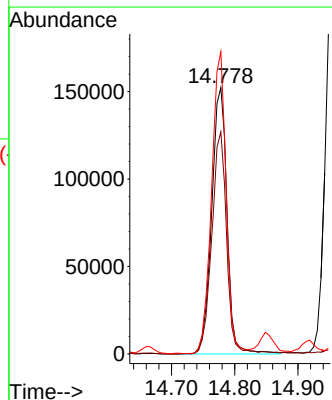
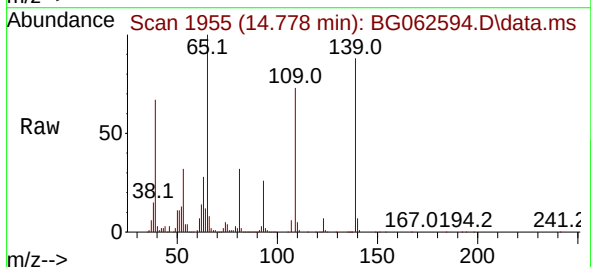
Tgt Ion:139 Resp: 256137

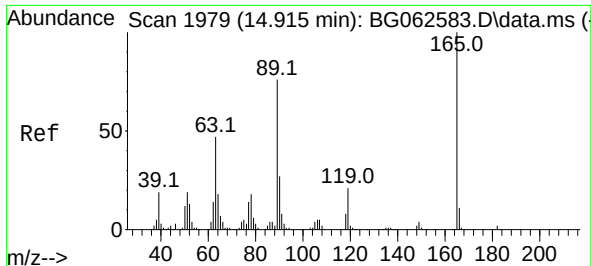
Ion Ratio Lower Upper

139 100

109 83.4 66.7 106.7

65 113.5 98.1 138.1

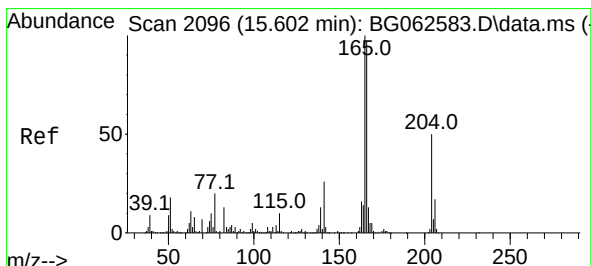
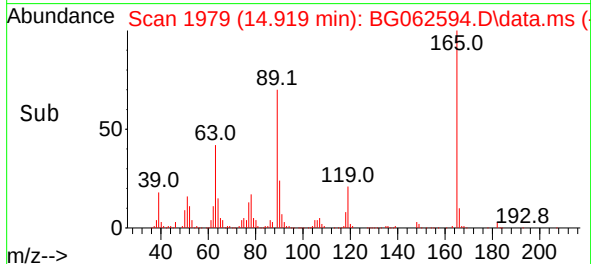
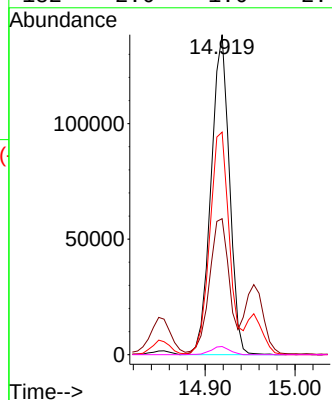
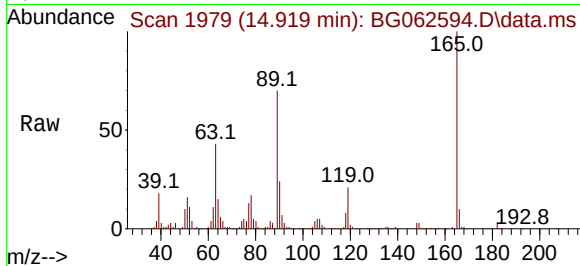




#57
2,4-Dinitrotoluene
Concen: 58.329 ng
RT: 14.919 min Scan# 1979
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

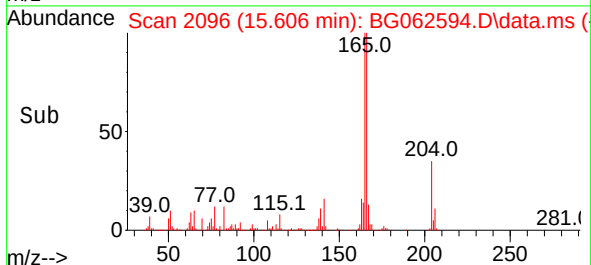
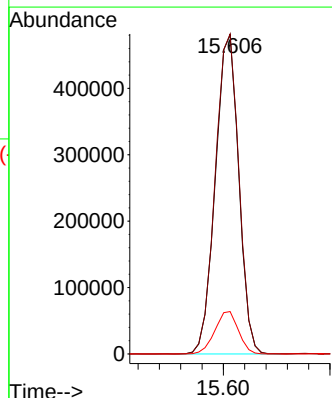
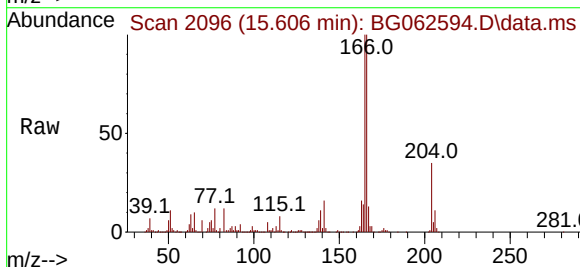
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

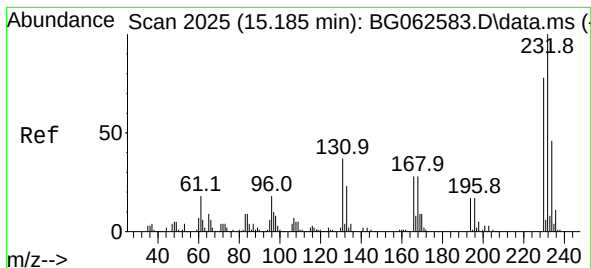
Tgt Ion:165 Resp: 196612
Ion Ratio Lower Upper
165 100
63 42.5 37.5 56.3
89 69.6 60.8 91.2
182 2.6 1.6 2.4#



#58
Fluorene
Concen: 47.544 ng
RT: 15.606 min Scan# 2096
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:166 Resp: 729971
Ion Ratio Lower Upper
166 100
165 100.2 82.6 123.8
167 13.3 10.6 15.8

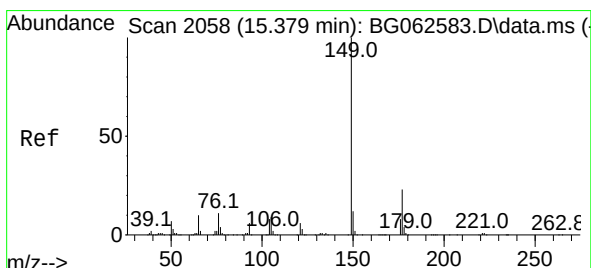
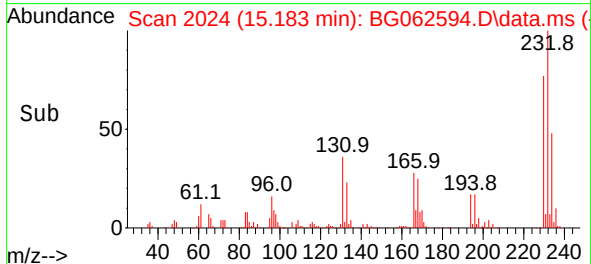
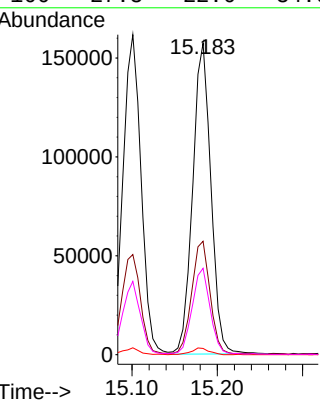
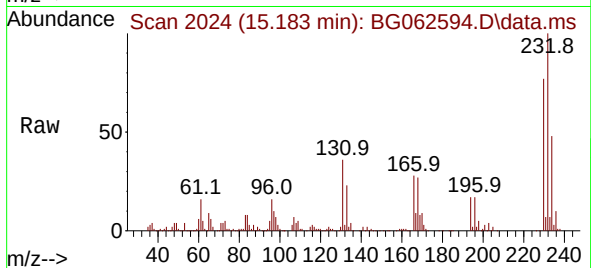




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.874 ng
RT: 15.183 min Scan# 2025
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

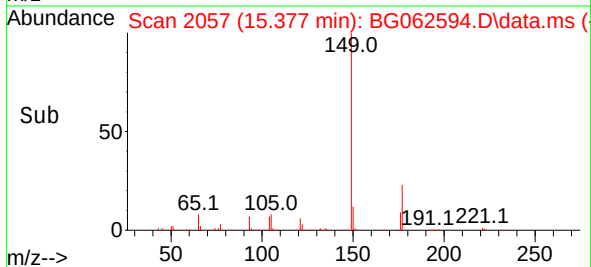
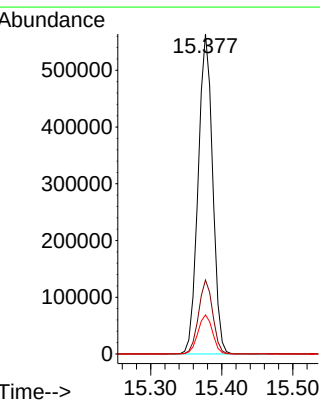
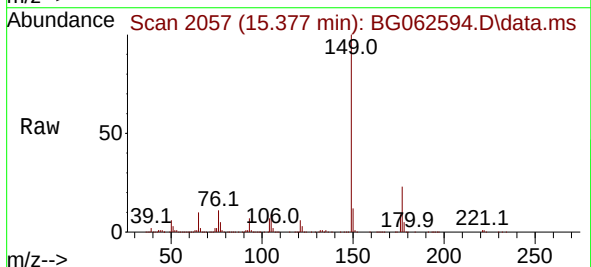
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

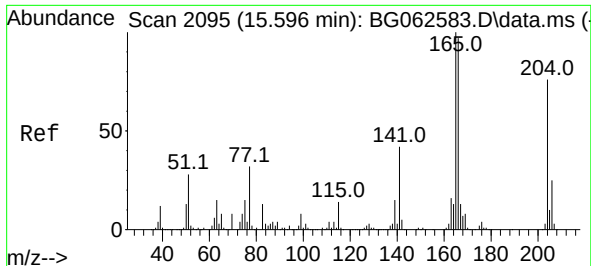
Tgt Ion:232 Resp: 233749
Ion Ratio Lower Upper
232 100
131 36.6 30.5 45.7
130 2.1 1.8 2.8
166 27.3 22.6 34.0



#60
Diethylphthalate
Concen: 56.604 ng
RT: 15.377 min Scan# 2057
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:149 Resp: 800220
Ion Ratio Lower Upper
149 100
177 23.1 18.2 27.2
150 12.2 9.8 14.8

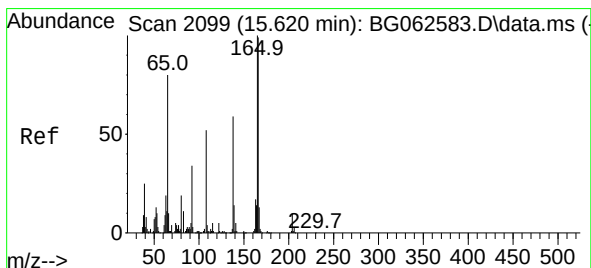
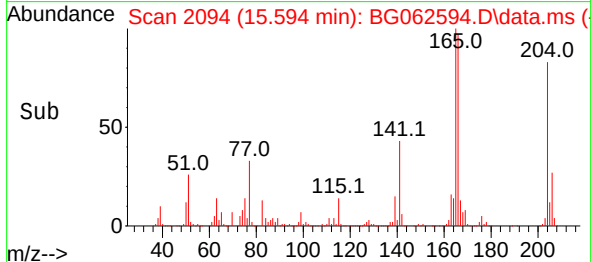
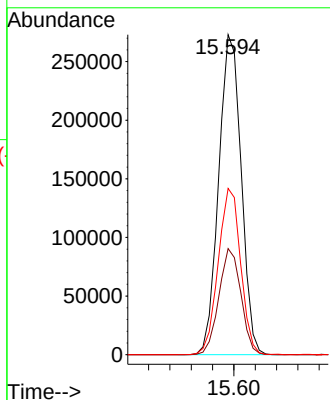
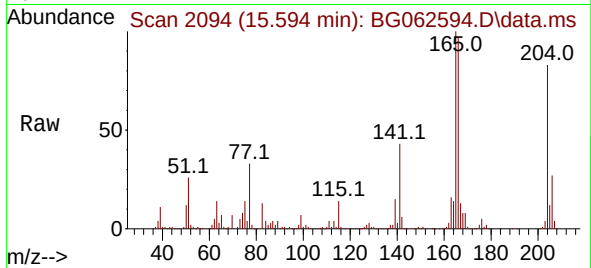




#61
4-Chlorophenyl-phenylether
Concen: 48.924 ng
RT: 15.594 min Scan# 2094
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

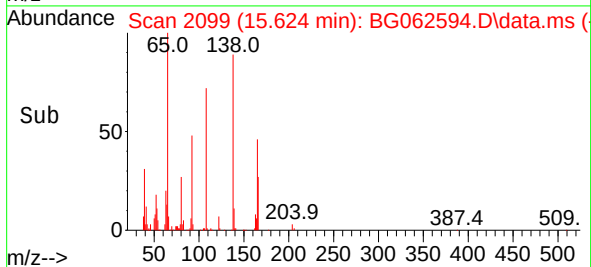
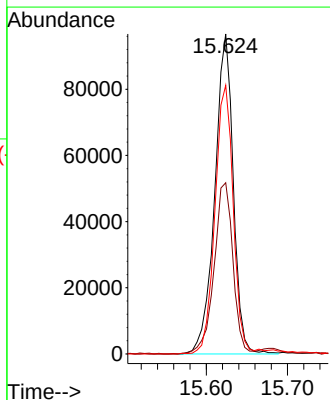
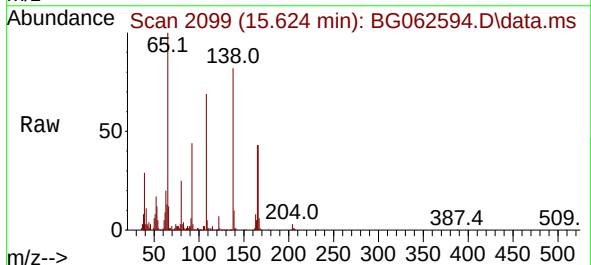
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

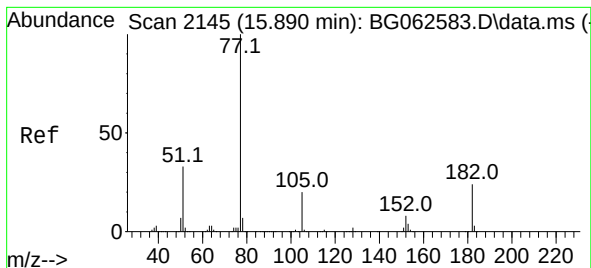
Tgt Ion:204 Resp: 399183
Ion Ratio Lower Upper
204 100
206 33.1 26.2 39.4
141 51.9 44.0 66.0



#62
4-Nitroaniline
Concen: 56.287 ng
RT: 15.624 min Scan# 2099
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:138 Resp: 152996
Ion Ratio Lower Upper
138 100
92 53.5 37.6 77.6
108 84.0 68.3 108.3





#63

Azobenzene

Concen: 46.886 ng

RT: 15.888 min Scan# 2144

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

Tgt Ion: 77 Resp: 753194

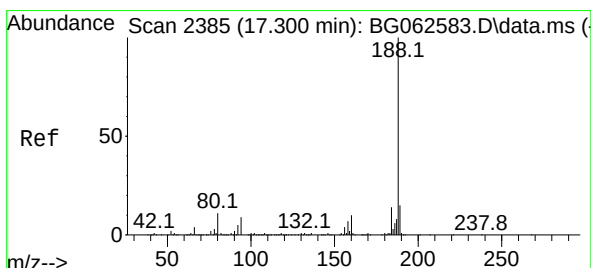
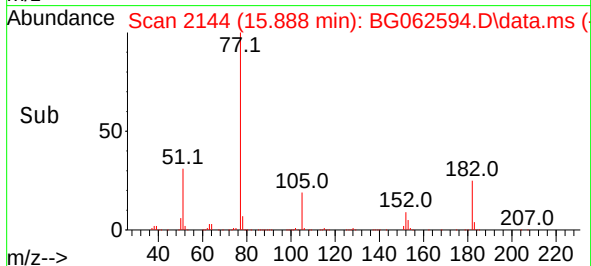
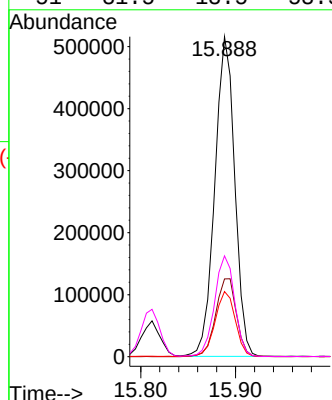
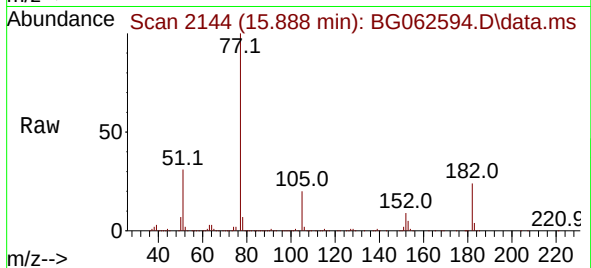
Ion Ratio Lower Upper

77 100

182 24.3 3.6 43.6

105 20.3 0.0 39.5

51 31.5 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2384

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

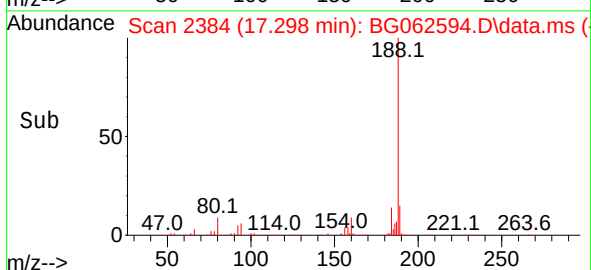
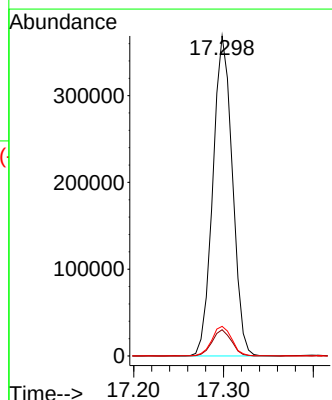
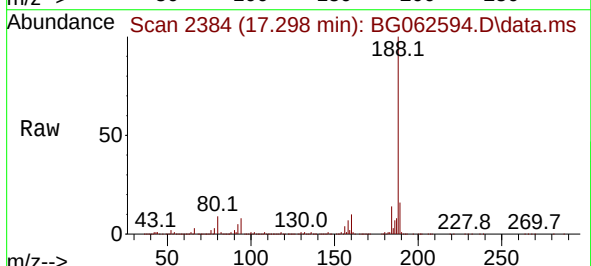
Tgt Ion:188 Resp: 557169

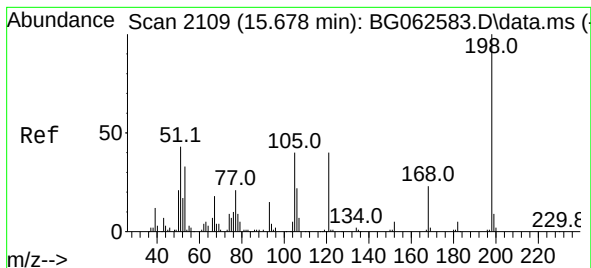
Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

80 9.3 8.4 12.6

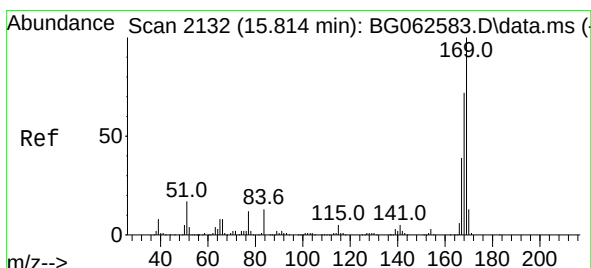
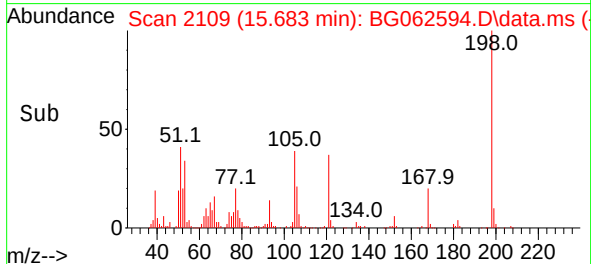
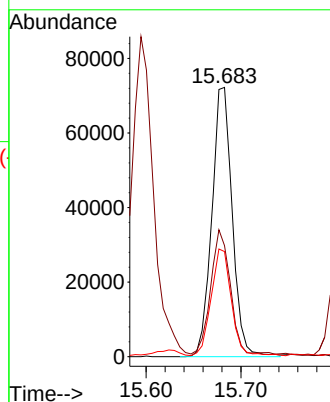
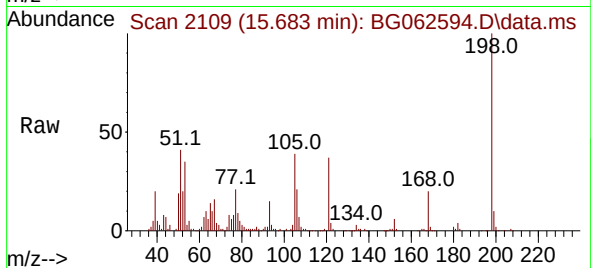




#65
4,6-Dinitro-2-methylphenol
Concen: 57.303 ng
RT: 15.683 min Scan# 2109
Delta R.T. 0.005 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

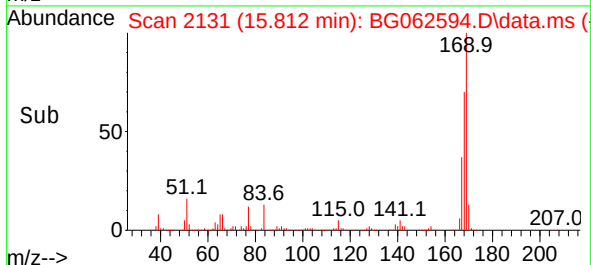
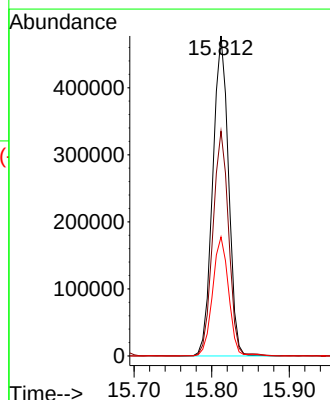
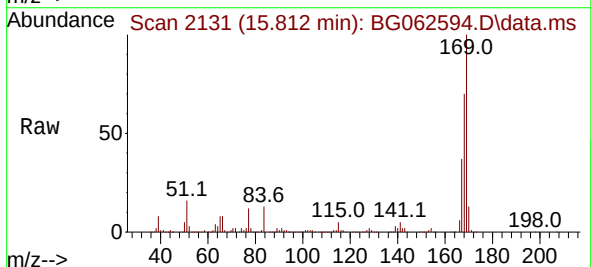
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

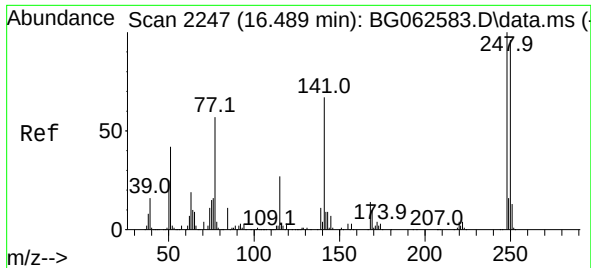
Tgt Ion:198 Resp: 108011
Ion Ratio Lower Upper
198 100
51 41.3 25.9 65.9
105 39.0 20.8 60.8



#66
n-Nitrosodiphenylamine
Concen: 49.819 ng
RT: 15.812 min Scan# 2131
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:169 Resp: 674203
Ion Ratio Lower Upper
169 100
168 70.3 57.9 86.9
167 37.2 30.9 46.3

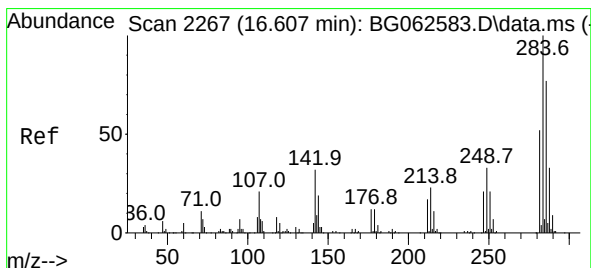
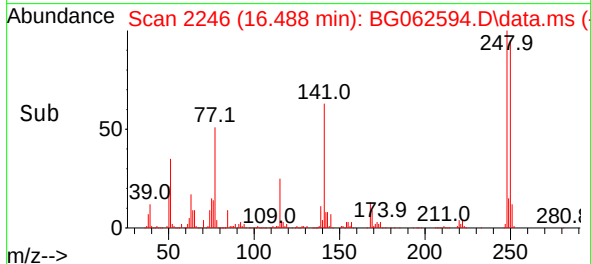
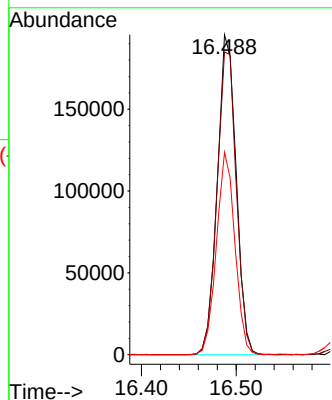
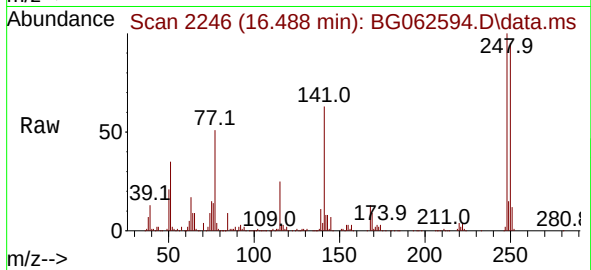




#67
4-Bromophenyl-phenylether
Concen: 50.459 ng
RT: 16.488 min Scan# 2246
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

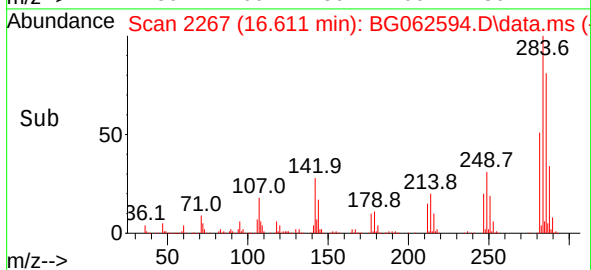
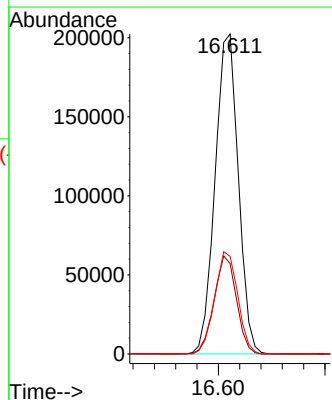
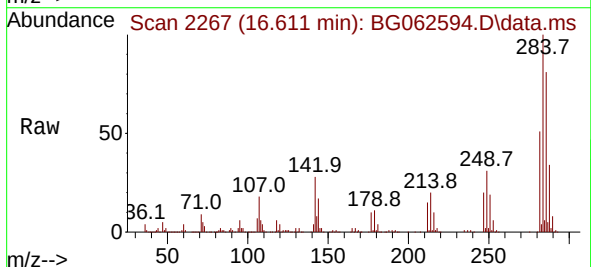
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

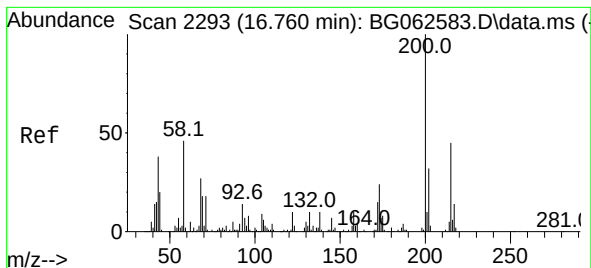
Tgt Ion:248 Resp: 270615
Ion Ratio Lower Upper
248 100
250 94.6 76.7 115.1
141 63.2 54.0 81.0



#68
Hexachlorobenzene
Concen: 49.282 ng
RT: 16.611 min Scan# 2267
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:284 Resp: 305403
Ion Ratio Lower Upper
284 100
142 28.2 25.7 38.5
249 33.0 28.7 43.1





#69

Atrazine

Concen: 74.349 ng

RT: 16.764 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

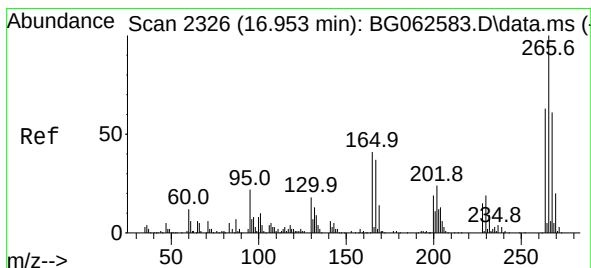
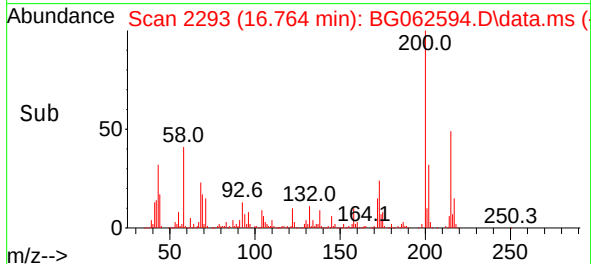
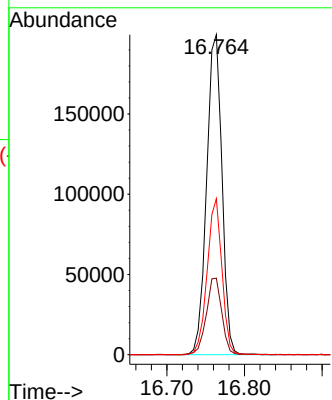
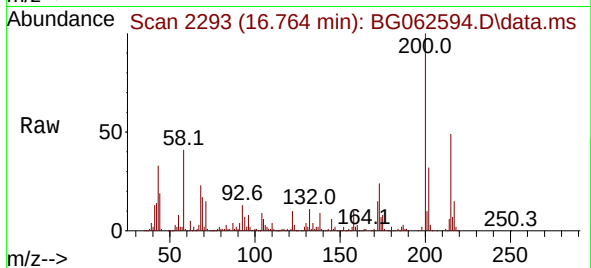
Tgt Ion:200 Resp: 273688

Ion Ratio Lower Upper

200 100

173 23.9 3.7 43.7

215 48.8 25.1 65.1



#70

Pentachlorophenol

Concen: 108.667 ng

RT: 16.952 min Scan# 2325

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

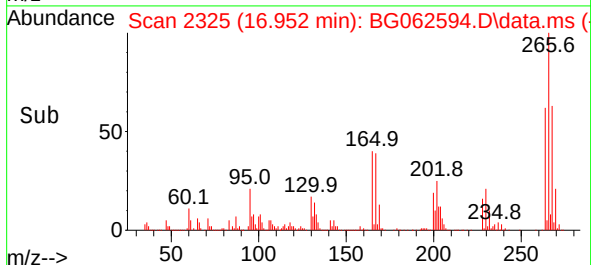
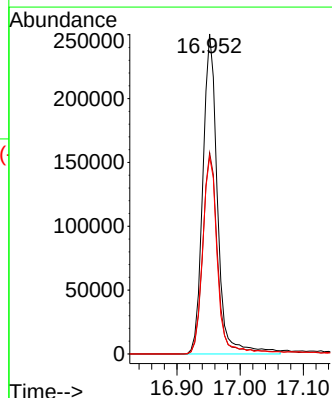
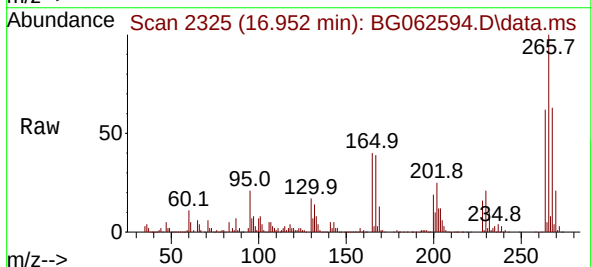
Tgt Ion:266 Resp: 403592

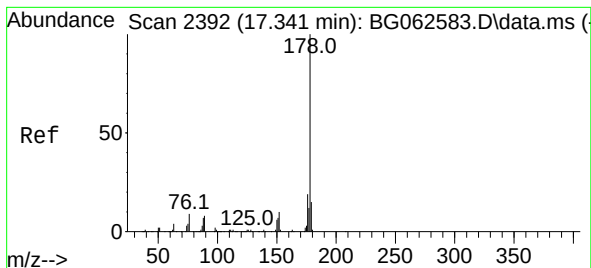
Ion Ratio Lower Upper

266 100

268 67.3 53.1 79.7

264 66.8 54.2 81.4





#71

Phenanthrene

Concen: 48.542 ng

RT: 17.340 min Scan# 2407

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

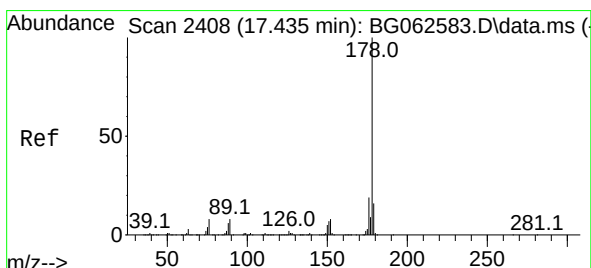
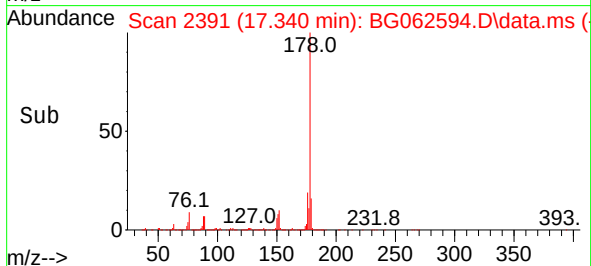
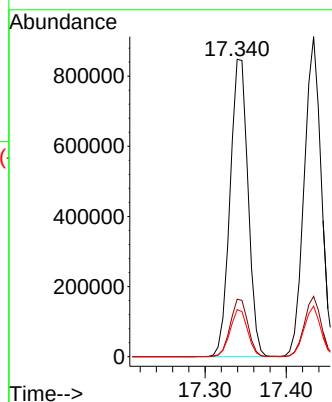
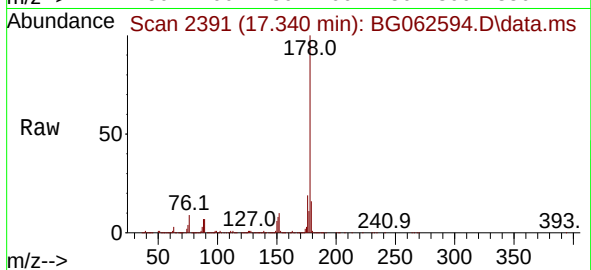
Tgt Ion:178 Resp: 1302458

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.1 18.1



#72

Anthracene

Concen: 50.664 ng

RT: 17.433 min Scan# 2407

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

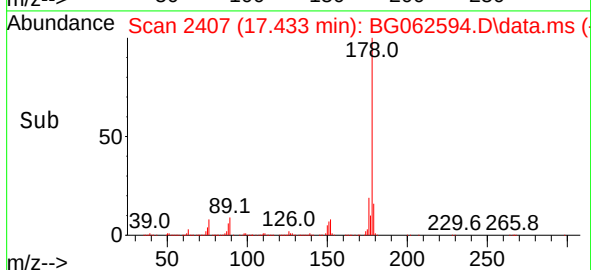
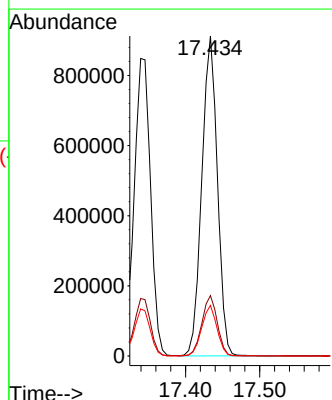
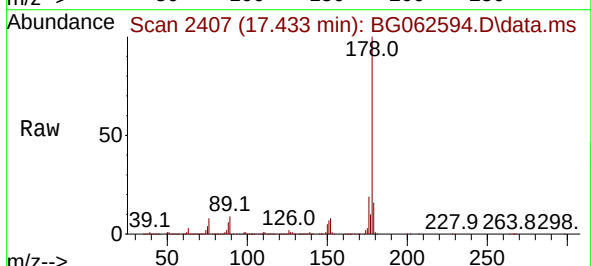
Tgt Ion:178 Resp: 1330058

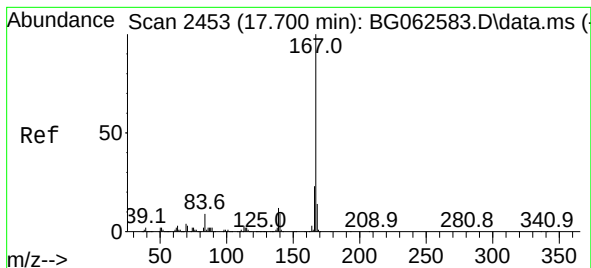
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.8 12.5 18.7





#73

Carbazole

Concen: 48.371 ng

RT: 17.698 min Scan# 2453

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

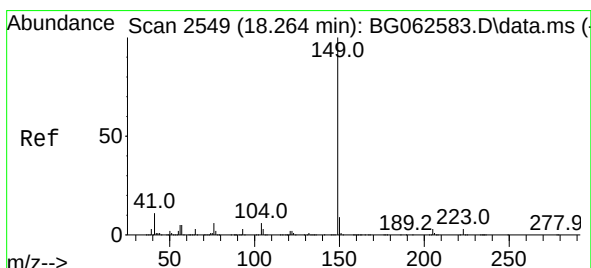
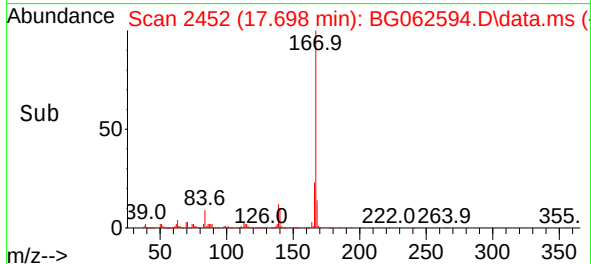
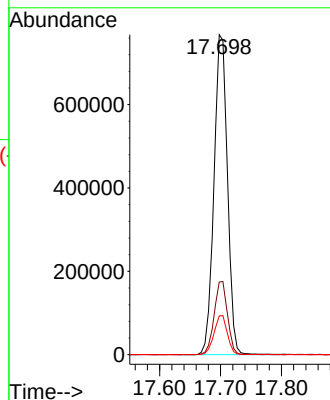
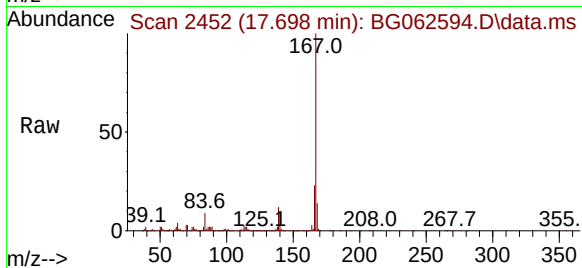
Tgt Ion:167 Resp: 1178138

Ion Ratio Lower Upper

167 100

166 22.7 18.6 27.8

139 12.1 9.7 14.5



#74

Di-n-butylphthalate

Concen: 64.081 ng

RT: 18.262 min Scan# 2548

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

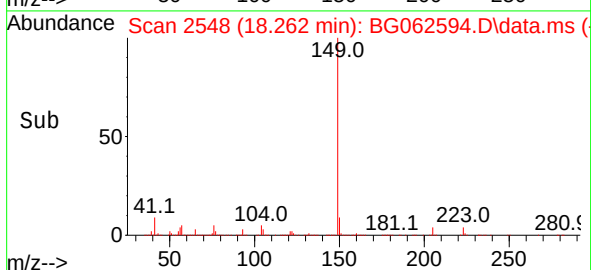
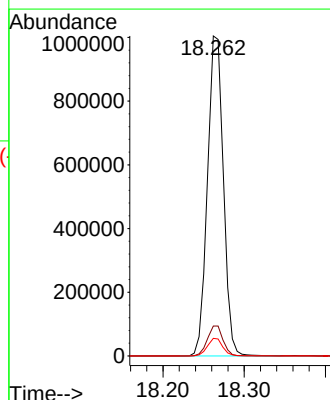
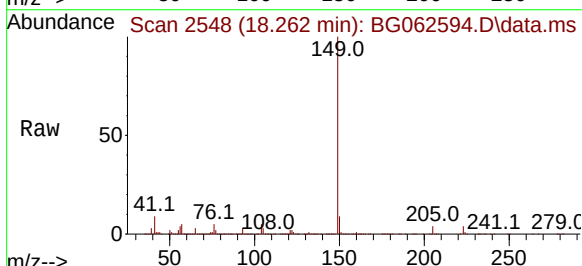
Tgt Ion:149 Resp: 1365465

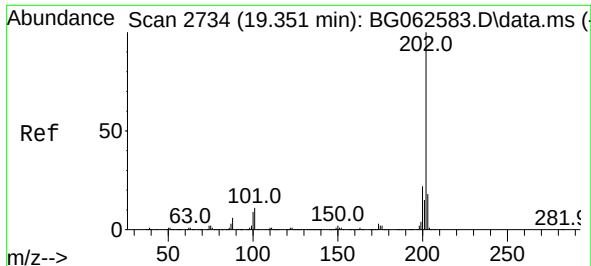
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.5 4.8 7.2

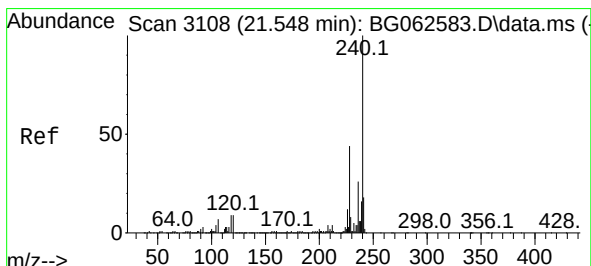
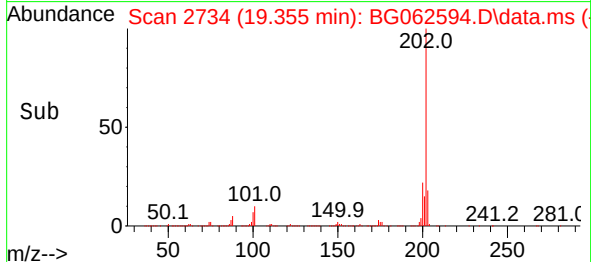
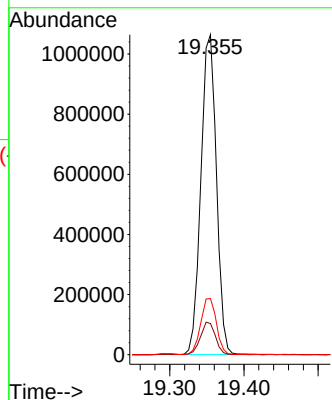
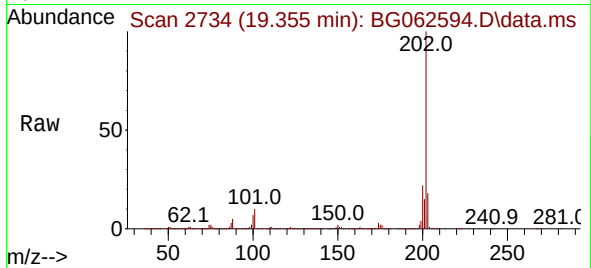




#75
Fluoranthene
Concen: 46.083 ng
RT: 19.355 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

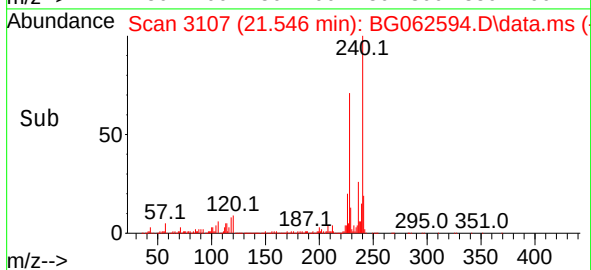
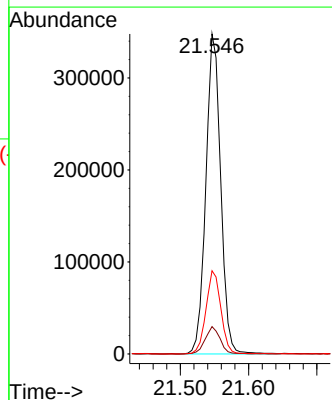
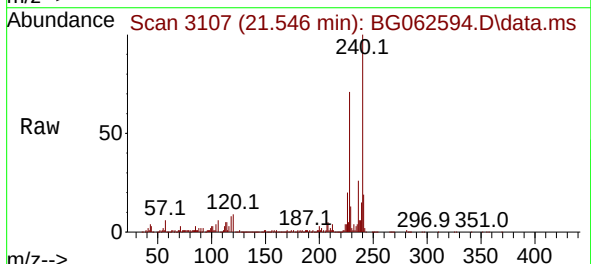
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

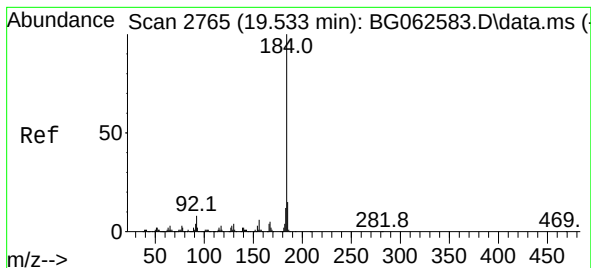
Tgt Ion:202 Resp: 1547914
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.8
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.546 min Scan# 3107
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:240 Resp: 526172
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 26.0 20.5 30.7





#77

Benzidine

Concen: 15.899 ng

RT: 19.537 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

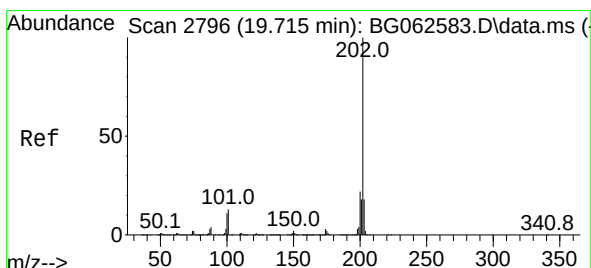
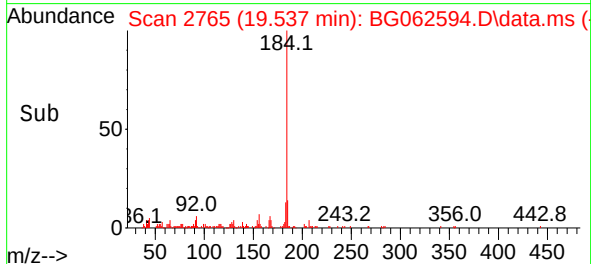
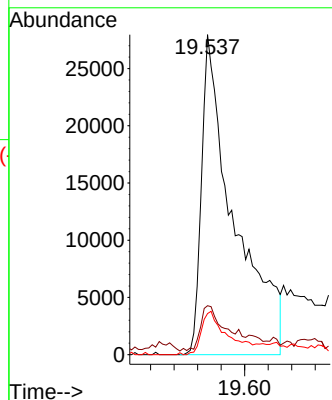
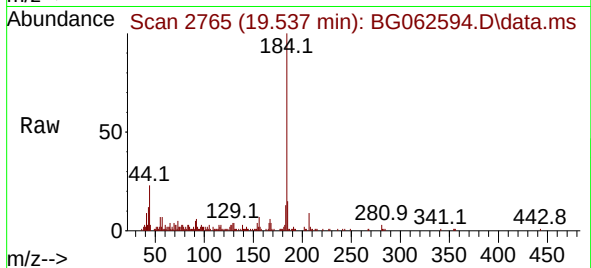
Tgt Ion:184 Resp: 106804

Ion Ratio Lower Upper

184 100

185 15.3 11.8 17.8

183 12.9 9.3 13.9



#78

Pyrene

Concen: 48.168 ng

RT: 19.713 min Scan# 2795

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

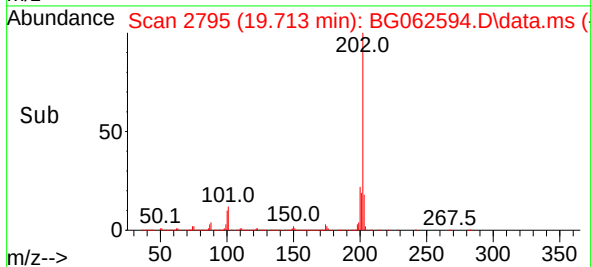
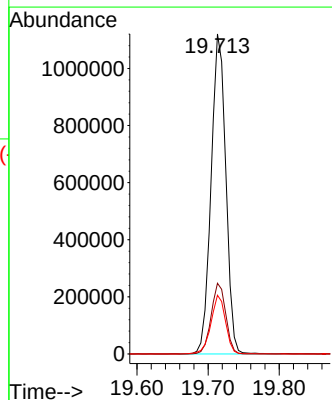
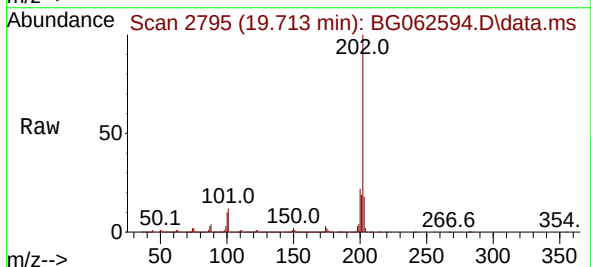
Tgt Ion:202 Resp: 1611401

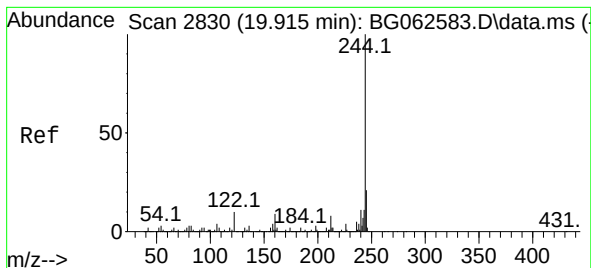
Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

203 18.4 14.3 21.5





#79

Terphenyl-d14

Concen: 99.054 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

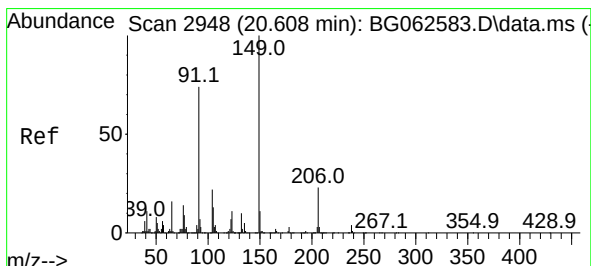
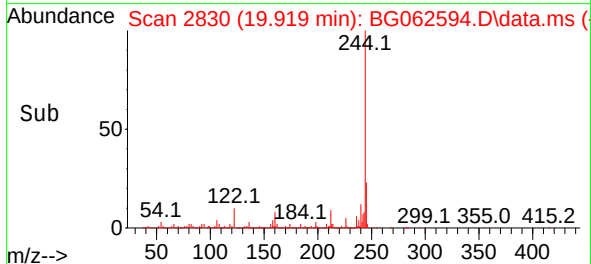
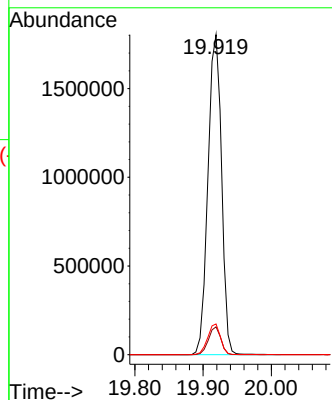
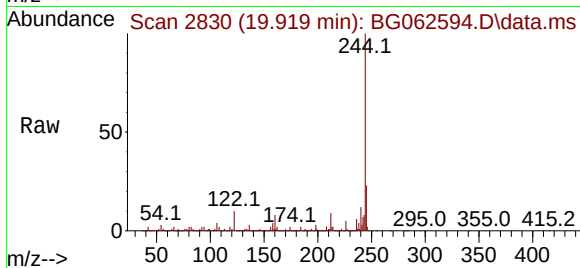
Tgt Ion:244 Resp: 2492848

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

122 9.6 8.4 12.6



#80

Butylbenzylphthalate

Concen: 63.101 ng

RT: 20.606 min Scan# 2947

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

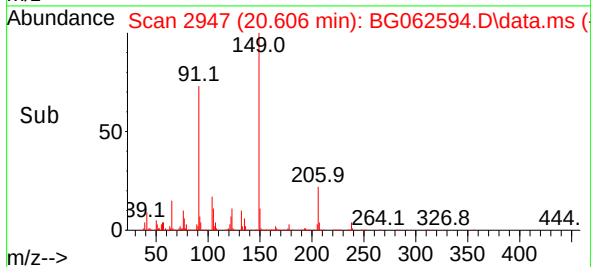
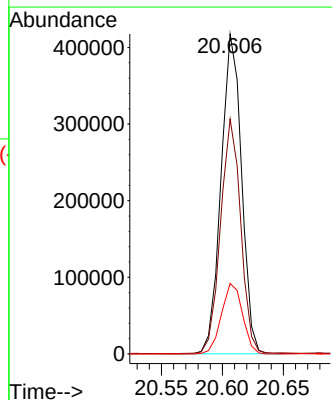
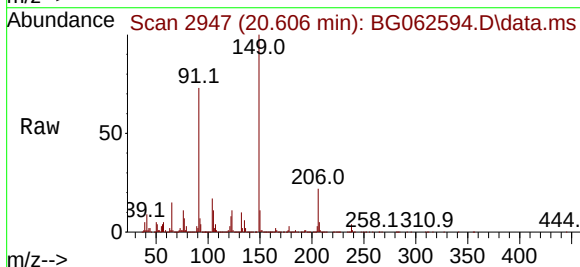
Tgt Ion:149 Resp: 488609

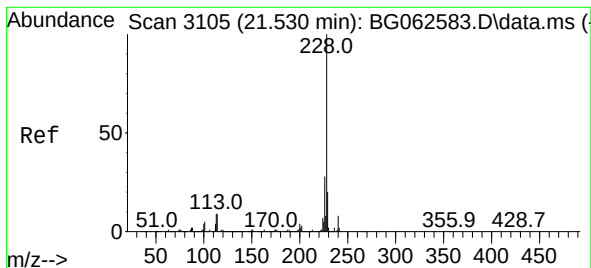
Ion Ratio Lower Upper

149 100

91 73.4 59.0 88.6

206 22.1 18.5 27.7





#81

Benzo(a)anthracene

Concen: 48.767 ng

RT: 21.529 min Scan# 3105

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

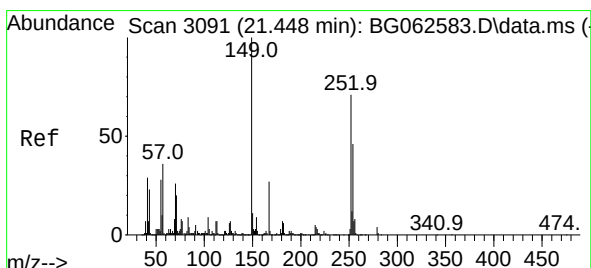
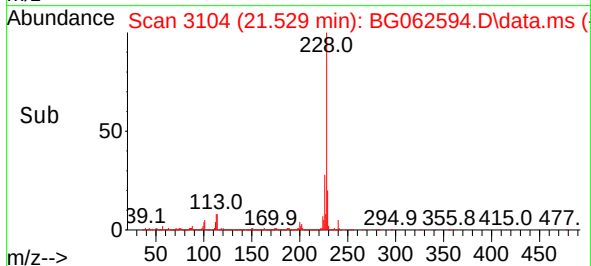
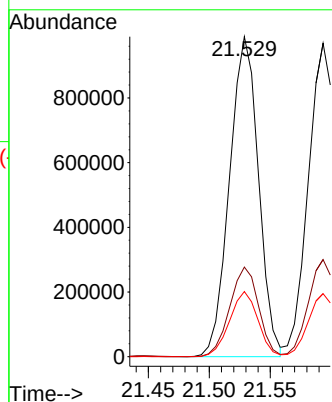
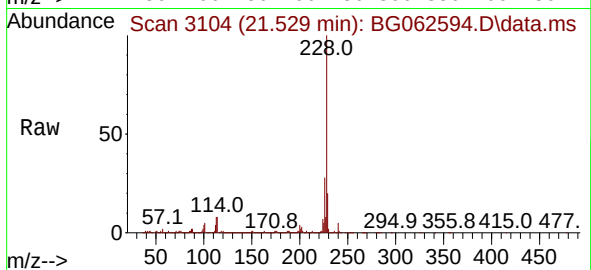
Tgt Ion:228 Resp: 1634210

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

229 20.4 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 30.413 ng

RT: 21.446 min Scan# 3090

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

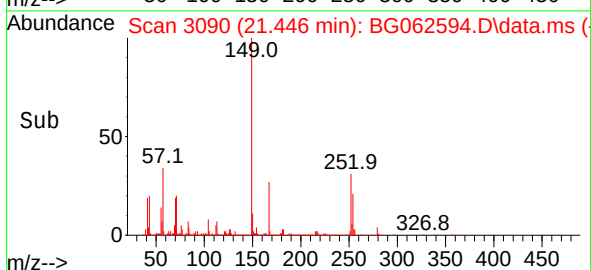
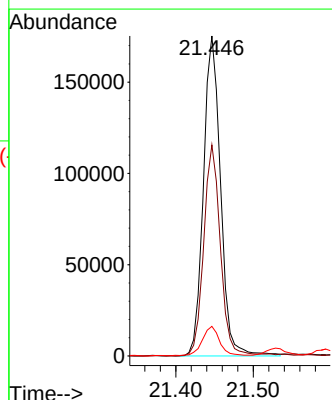
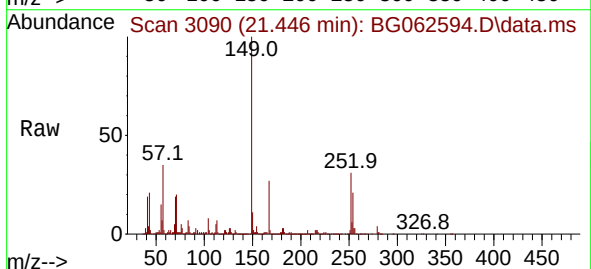
Tgt Ion:252 Resp: 269579

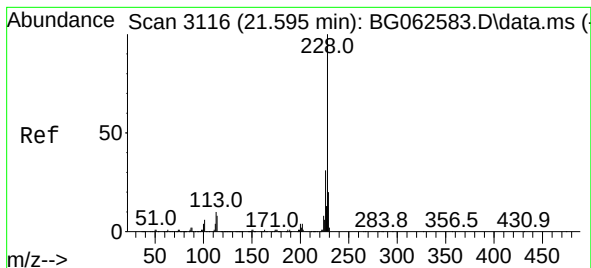
Ion Ratio Lower Upper

252 100

254 66.0 51.4 77.0

126 9.2 7.1 10.7





#83

Chrysene

Concen: 47.850 ng

RT: 21.593 min Scan# 3116

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

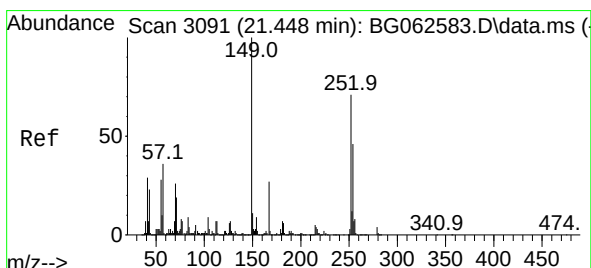
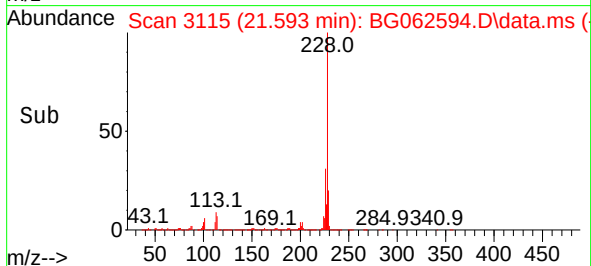
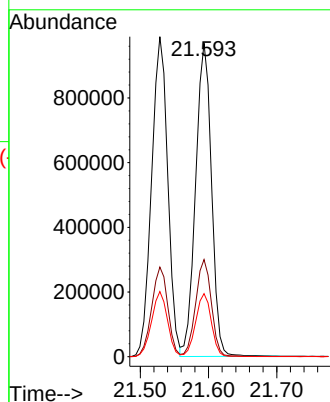
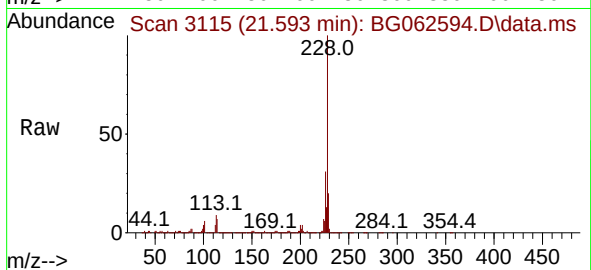
Tgt Ion:228 Resp: 1569027

Ion Ratio Lower Upper

228 100

226 31.0 24.6 37.0

229 20.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 71.269 ng

RT: 21.446 min Scan# 3090

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

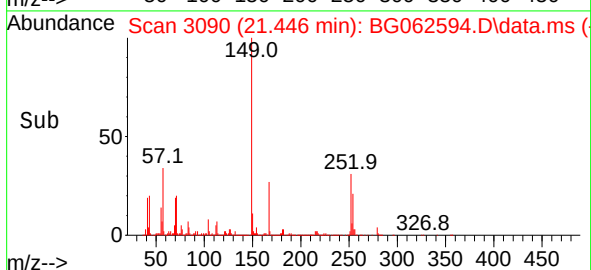
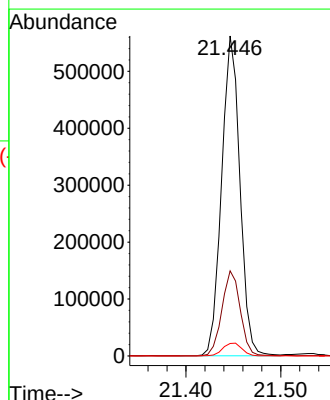
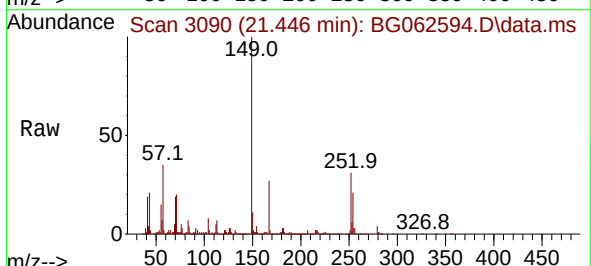
Tgt Ion:149 Resp: 754694

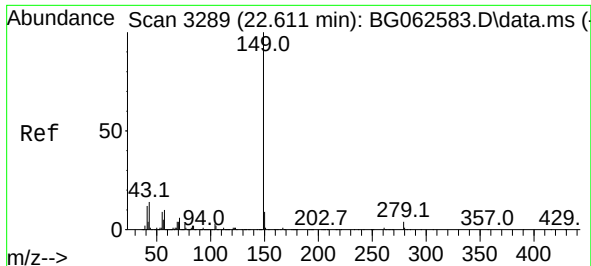
Ion Ratio Lower Upper

149 100

167 26.6 21.3 31.9

279 3.9 3.2 4.8

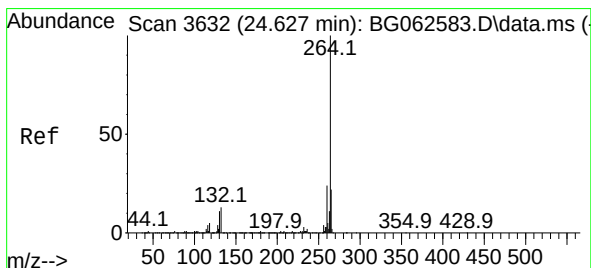
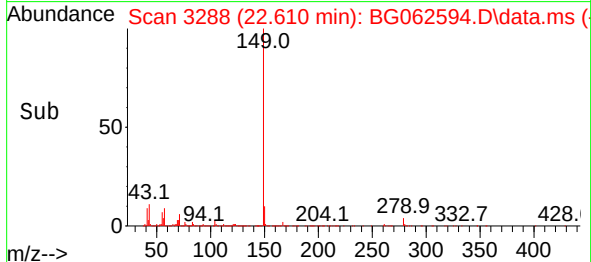
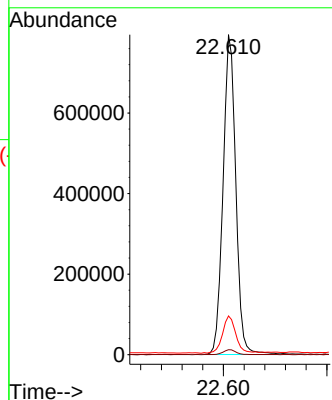
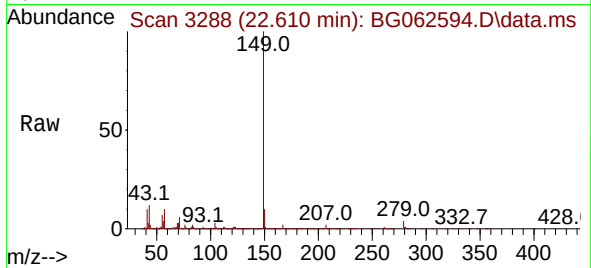




#85
Di-n-octyl phthalate
Concen: 67.798 ng
RT: 22.610 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

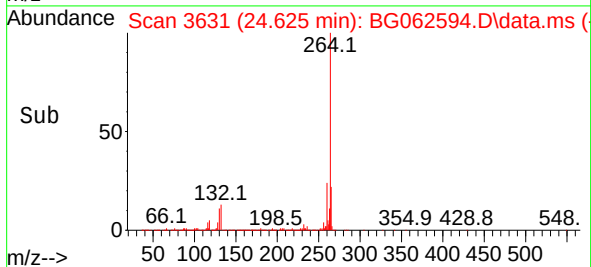
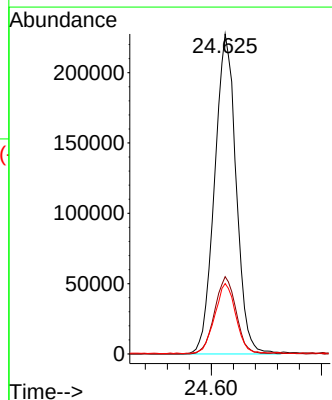
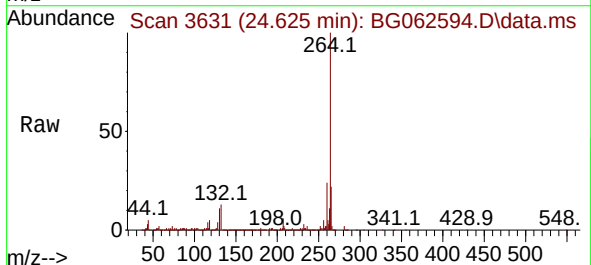
Instrument :
BNA_G
ClientSampleId :
MOO-SOIL-PILEMS

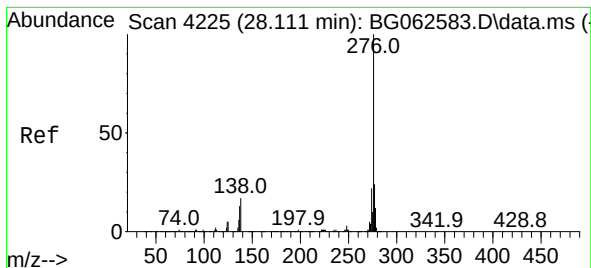
Tgt Ion:149 Resp: 1355538
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.2 12.7 19.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.625 min Scan# 3631
Delta R.T. -0.002 min
Lab File: BG062594.D
Acq: 28 Aug 2024 13:53

Tgt Ion:264 Resp: 617742
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.211 ng

RT: 28.109 min Scan# 41

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

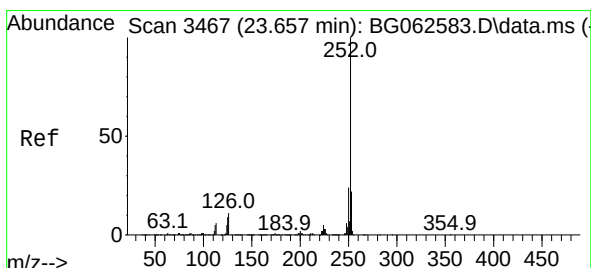
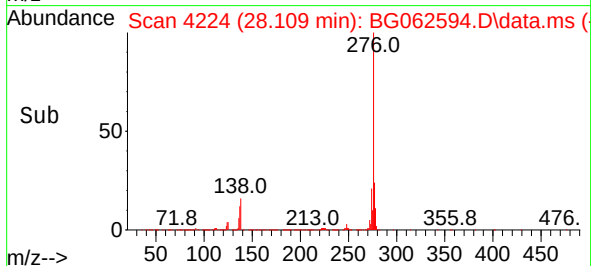
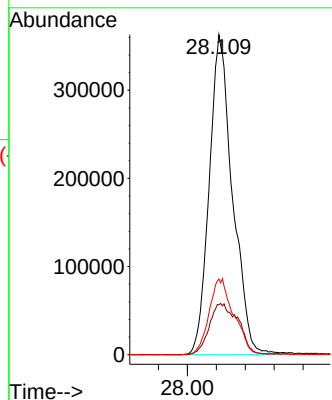
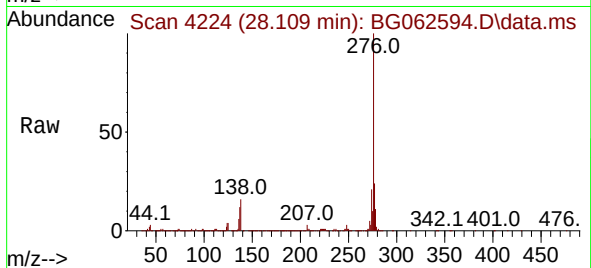
Tgt Ion:276 Resp: 2033891

Ion Ratio Lower Upper

276 100

138 19.9 12.6 18.8#

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 46.948 ng

RT: 23.656 min Scan# 3466

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

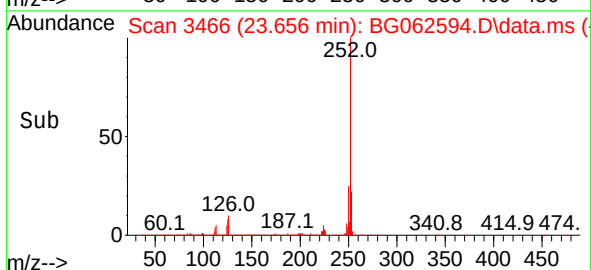
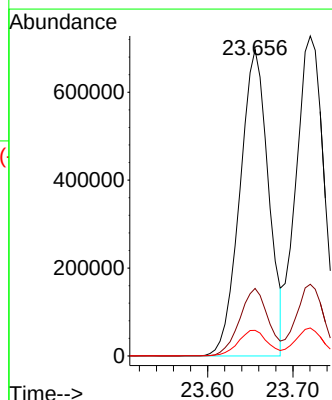
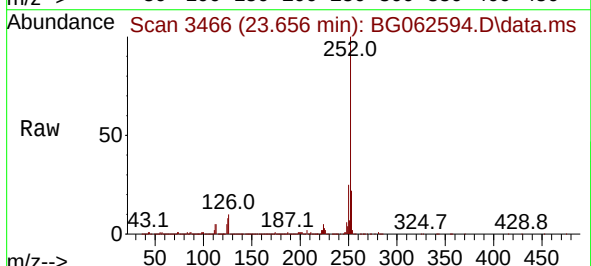
Tgt Ion:252 Resp: 1624407

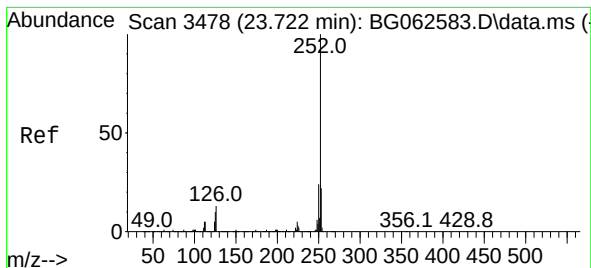
Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 8.3 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 48.697 ng

RT: 23.720 min Scan# 3478

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

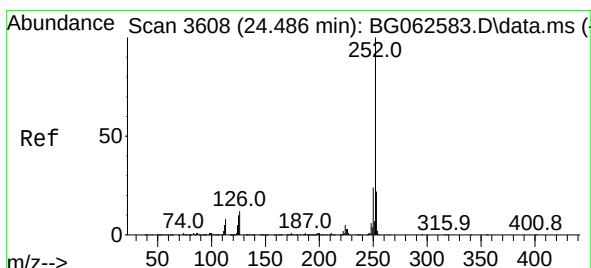
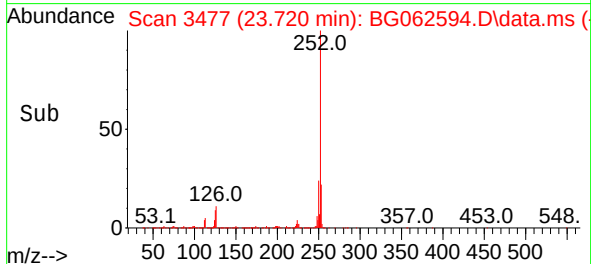
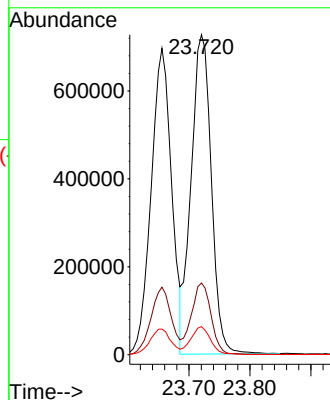
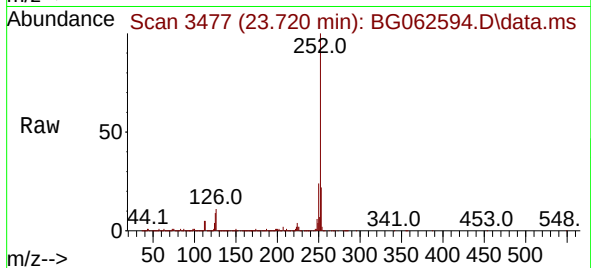
Tgt Ion:252 Resp: 1671701

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 8.8 7.5 11.3



#90

Benzo(a)pyrene

Concen: 51.939 ng

RT: 24.484 min Scan# 3607

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

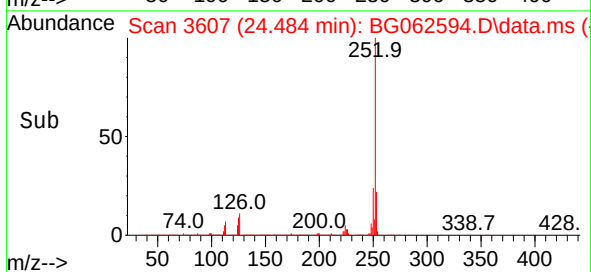
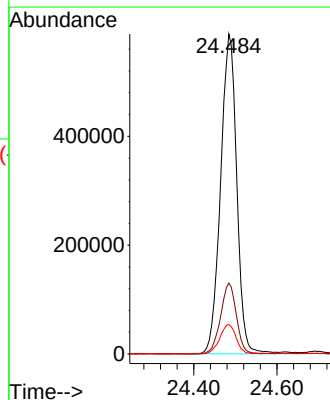
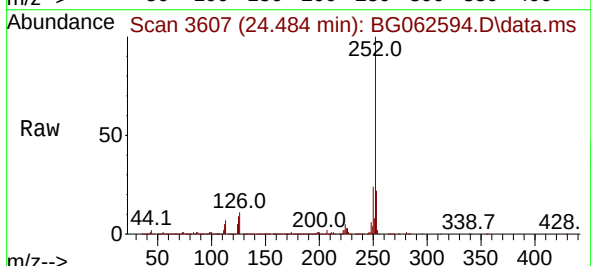
Tgt Ion:252 Resp: 1579832

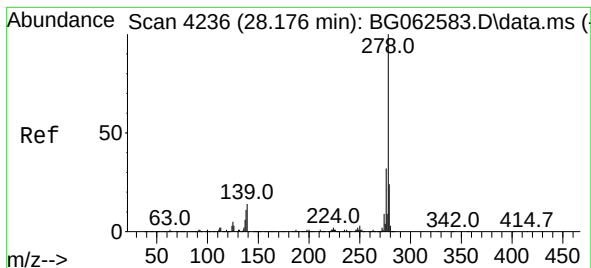
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.2 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 51.771 ng

RT: 28.174 min Scan# 41

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Instrument :

BNA_G

ClientSampleId :

MOO-SOIL-PILEMS

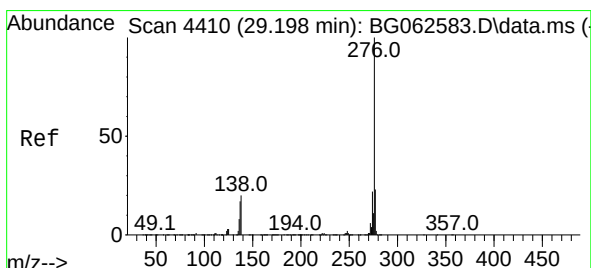
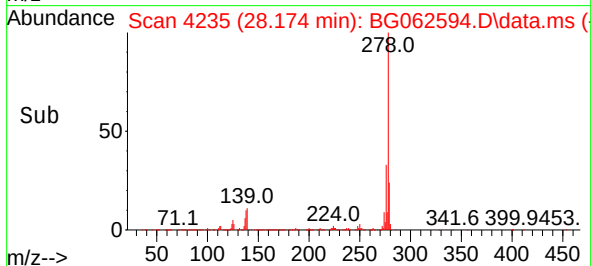
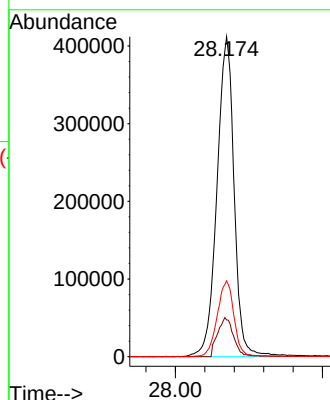
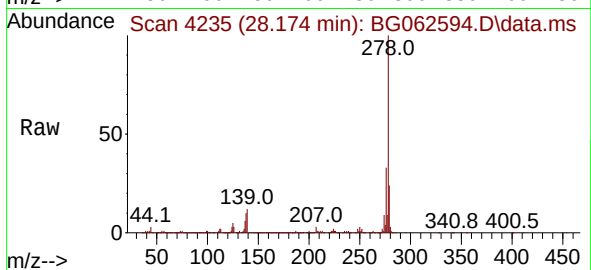
Tgt Ion:278 Resp: 1666661

Ion Ratio Lower Upper

278 100

139 11.5 11.1 16.7

279 23.7 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 47.207 ng

RT: 29.196 min Scan# 4409

Delta R.T. -0.002 min

Lab File: BG062594.D

Acq: 28 Aug 2024 13:53

Tgt Ion:276 Resp: 1544999

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 16.3 15.8 23.6

