

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064262.D
 Acq On : 3 Sep 2025 20:34
 Operator : RC/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 04 01:15:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	36528	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	163400	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	118321	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	272374	20.000	ng	0.00
76) Chrysene-d12	21.448	240	279469	20.000	ng	0.00
86) Perylene-d12	24.451	264	301974	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	230620	113.270	ng	0.00
7) Phenol-d6	7.024	99	325175	116.253	ng	0.00
23) Nitrobenzene-d5	9.010	82	239399	81.710	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	182902	116.705	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	600558	77.473	ng	0.00
79) Terphenyl-d14	19.838	244	1083026	80.852	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.358	88	3704	4.365	ng	93
3) Pyridine	3.757	79	9773	3.912	ng	# 54
4) n-Nitrosodimethylamine	3.663	42	6052	3.663	ng	# 97
6) Aniline	7.183	93	16624	4.298	ng	96
8) 2-Chlorophenol	7.418	128	10797	4.340	ng	95
9) Benzaldehyde	6.995	77	9739	4.231	ng	96
10) Phenol	7.048	94	13095	4.246	ng	88
11) bis(2-Chloroethyl)ether	7.277	93	8997	3.882	ng	# 77
12) 1,3-Dichlorobenzene	7.741	146	11370	4.296	ng	97
13) 1,4-Dichlorobenzene	7.894	146	11868	4.443	ng	91
14) 1,2-Dichlorobenzene	8.205	146	11569	4.487	ng	96
15) Benzyl Alcohol	8.087	79	10286	3.985	ng	# 86
16) 2,2'-oxybis(1-Chloropr...	8.381	45	20154	3.809	ng	92
17) 2-Methylphenol	8.293	107	8727	3.797	ng	# 91
18) Hexachloroethane	8.934	117	4455	4.272	ng	91
19) n-Nitroso-di-n-propyla...	8.652	70	8813	4.117	ng	95
20) 3+4-Methylphenols	8.616	107	12137	3.800	ng	# 83
22) Acetophenone	8.669	105	16668	4.032	ng	# 93
24) Nitrobenzene	9.045	77	13558	4.429	ng	92
25) Isophorone	9.568	82	25879	4.250	ng	97
26) 2-Nitrophenol	9.762	139	5261	3.977	ng	# 89
27) 2,4-Dimethylphenol	9.821	122	10080	4.341	ng	94
28) bis(2-Chloroethoxy)met...	10.056	93	13297	4.050	ng	# 89
29) 2,4-Dichlorophenol	10.291	162	9954	4.062	ng	85
30) 1,2,4-Trichlorobenzene	10.508	180	11573	4.479	ng	95
31) Naphthalene	10.690	128	34265	4.044	ng	96
33) 4-Chloroaniline	10.796	127	13770	4.193	ng	95
34) Hexachlorobutadiene	10.984	225	8133	4.259	ng	# 85
35) Caprolactam	11.536	113	3458	3.645	ng	# 78
36) 4-Chloro-3-methylphenol	11.918	107	12690	3.992	ng	# 93
37) 2-Methylnaphthalene	12.306	142	22416	3.559	ng	98
38) 1-Methylnaphthalene	12.523	142	24969	4.014	ng	# 98
40) 1,2,4,5-Tetrachloroben...	12.670	216	14531	4.256	ng	98
41) Hexachlorocyclopentadiene	12.653	237	6533	4.026	ng	86
43) 2,4,6-Trichlorophenol	12.911	196	8453	3.704	ng	85
44) 2,4,5-Trichlorophenol	12.982	196	9895	3.998	ng	86

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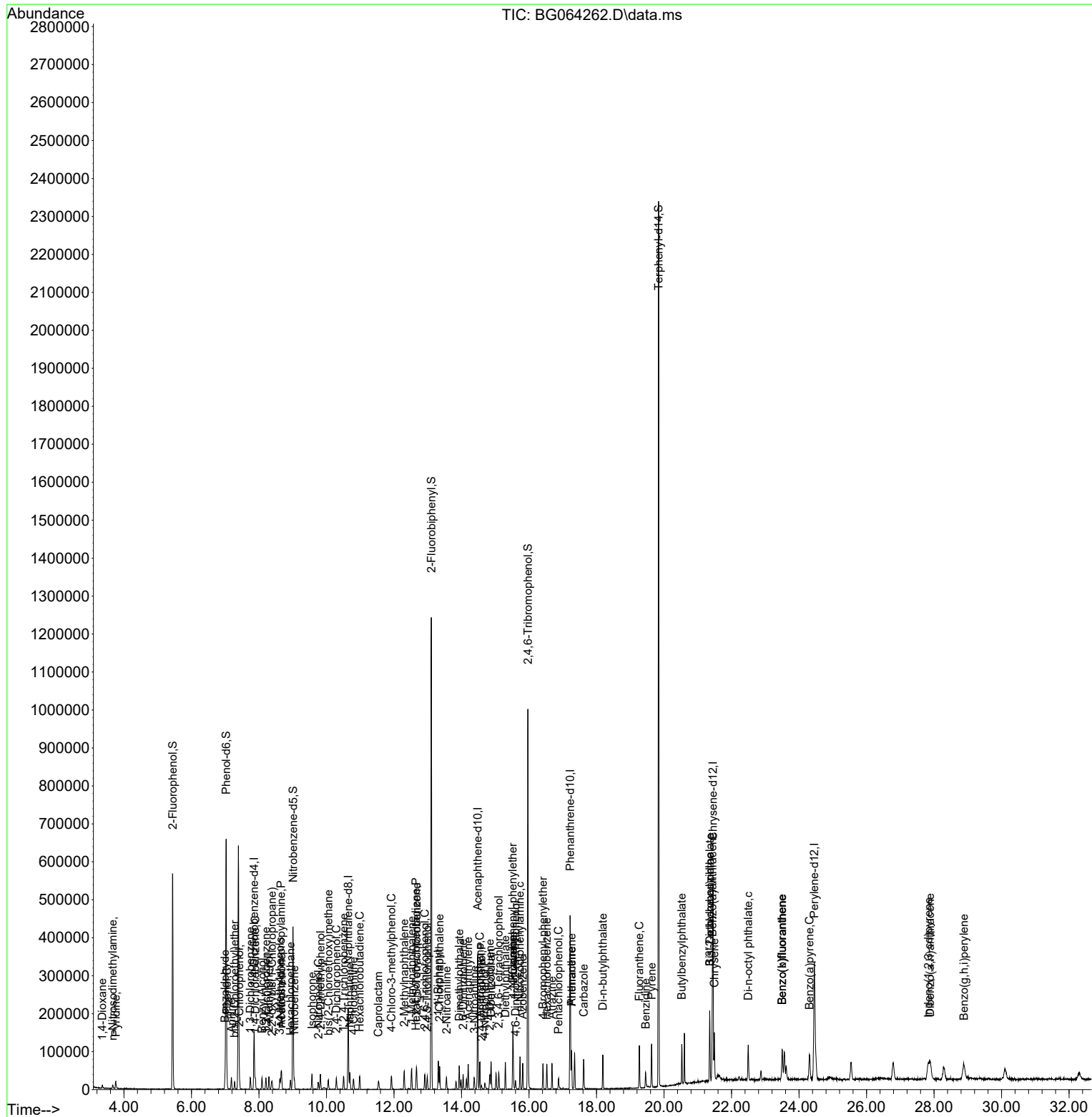
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.311	154	36461	4.231	ng	98
47) 2-Chloronaphthalene	13.352	162	26778	4.133	ng	95
48) 2-Nitroaniline	13.558	65	8997	4.074	ng	90
49) Acenaphthylene	14.198	152	44211	4.616	ng	97
50) Dimethylphthalate	13.934	163	36734	4.102	ng	97
51) 2,6-Dinitrotoluene	14.045	165	7302	4.212	ng	96
52) Acenaphthene	14.539	154	27786	4.111	ng	95
53) 3-Nitroaniline	14.380	138	7075	3.896	ng	97
54) 2,4-Dinitrophenol	14.592	184	1995	7.288	ng #	76
55) Dibenzofuran	14.874	168	43393	4.082	ng	99
56) 4-Nitrophenol	14.692	139	4297	2.884	ng	92
57) 2,4-Dinitrotoluene	14.838	165	10598	4.043	ng #	86
58) Fluorene	15.526	166	36020	4.134	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.103	232	9485	3.984	ng #	99
60) Diethylphthalate	15.297	149	38566	4.024	ng	100
61) 4-Chlorophenyl-phenyle...	15.520	204	18462	4.250	ng	91
62) 4-Nitroaniline	15.532	138	6578	3.549	ng	90
63) Azobenzene	15.814	77	34601	4.050	ng	97
65) 4,6-Dinitro-2-methylph...	15.602	198	5157	3.298	ng	97
66) n-Nitrosodiphenylamine	15.731	169	31591	4.216	ng	94
67) 4-Bromophenyl-phenylether	16.413	248	12082	4.176	ng	99
68) Hexachlorobenzene	16.531	284	13683	4.259	ng #	87
69) Atrazine	16.677	200	13070	4.178	ng	97
70) Pentachlorophenol	16.877	266	6923	3.554	ng	90
71) Phenanthrene	17.259	178	61903	4.309	ng	96
72) Anthracene	17.259	178	61903	4.236	ng	95
73) Carbazole	17.623	167	53649	4.167	ng	96
74) Di-n-butylphthalate	18.187	149	62491	4.040	ng #	98
75) Fluoranthene	19.268	202	68891	4.078	ng	98
77) Benzidine	19.456	184	27372	4.656	ng	99
78) Pyrene	19.633	202	71051	4.035	ng	97
80) Butylbenzylphthalate	20.526	149	28307	4.263	ng	91
81) Benzo(a)anthracene	21.431	228	74882	4.188	ng	96
82) 3,3'-Dichlorobenzidine	21.354	252	26656	4.578	ng	96
83) Chrysene	21.489	228	70919	4.132	ng	99
84) Bis(2-ethylhexyl)phtha...	21.354	149	44498	4.463	ng	100
85) Di-n-octyl phthalate	22.494	149	74241	4.274	ng	99
87) Indeno(1,2,3-cd)pyrene	27.835	276	83086	4.029	ng #	86
88) Benzo(b)fluoranthene	23.499	252	68520	4.020	ng #	97
89) Benzo(k)fluoranthene	23.499	252	68520	3.946	ng	100
90) Benzo(a)pyrene	24.310	252	68451	4.318	ng	98
91) Dibenzo(a,h)anthracene	27.882	278	67143	4.055	ng	94
92) Benzo(g,h,i)perylene	28.887	276	65038	4.037	ng	95

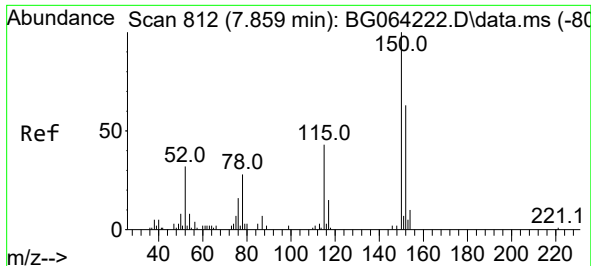
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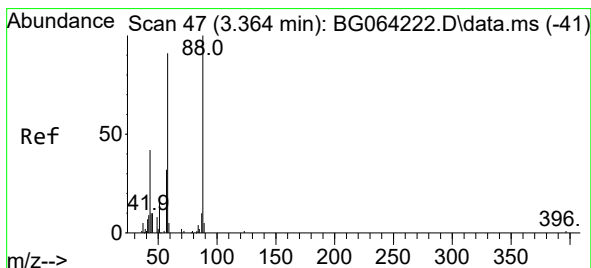
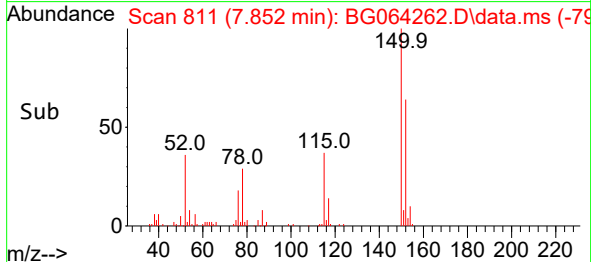
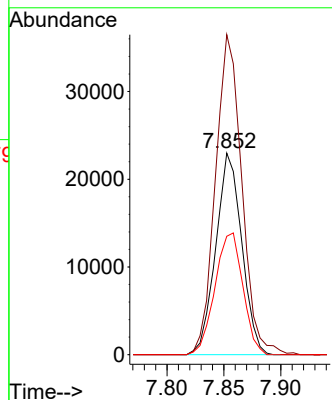
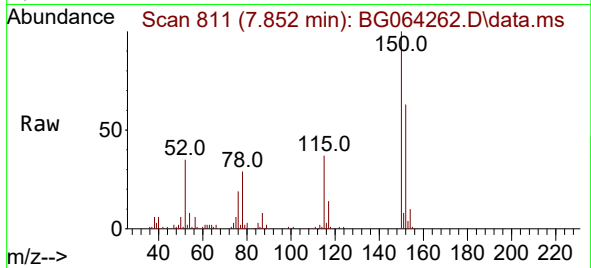




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.852 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

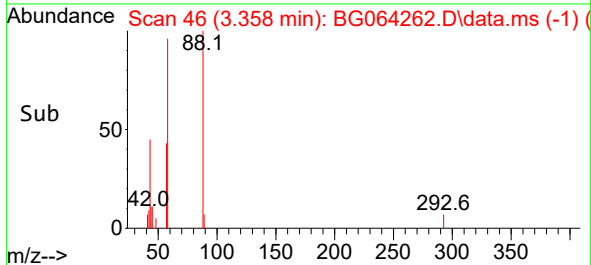
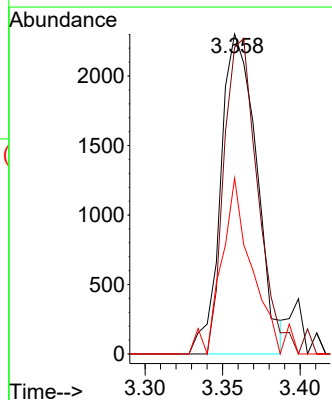
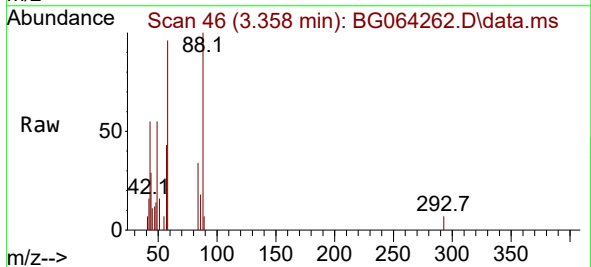
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 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

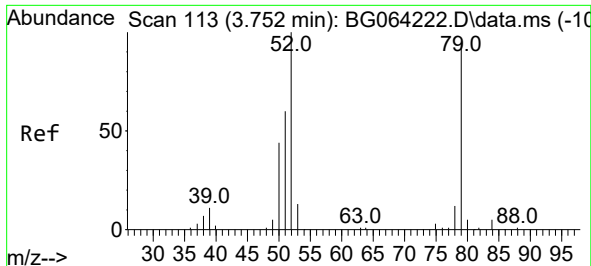
Tgt Ion:152 Resp: 36528
 Ion Ratio Lower Upper
 152 100
 150 158.7 128.0 192.0
 115 58.7 55.7 83.5



#2
 1,4-Dioxane
 Concen: 4.365 ng
 RT: 3.358 min Scan# 46
 Delta R.T. -0.001 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

Tgt Ion: 88 Resp: 3704
 Ion Ratio Lower Upper
 88 100
 58 92.3 80.8 121.2
 43 47.7 40.3 60.5





#3

Pyridine

Concen: 3.912 ng

RT: 3.757 min Scan# 113

Delta R.T. 0.005 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

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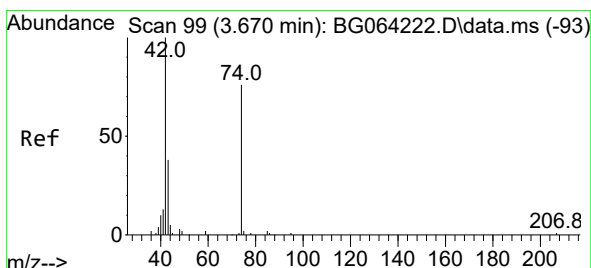
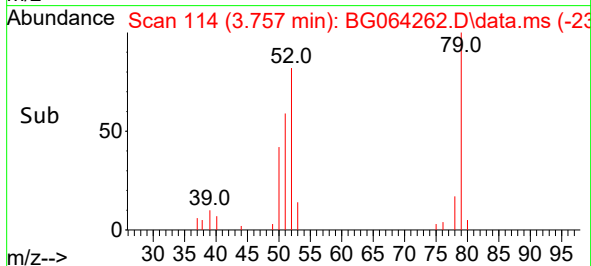
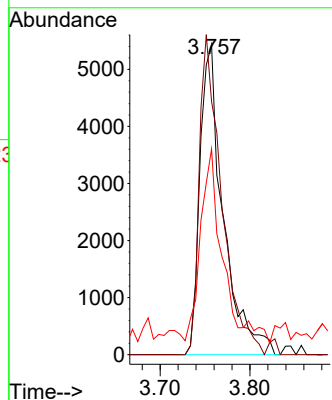
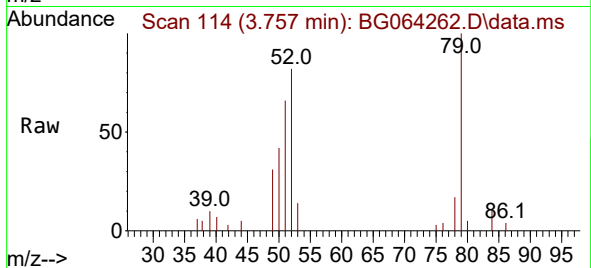
Tgt Ion: 79 Resp: 9773

Ion Ratio Lower Upper

79 100

52 81.6 86.6 129.8#

51 66.3 114.1 171.1#



#4

n-Nitrosodimethylamine

Concen: 3.663 ng

RT: 3.663 min Scan# 98

Delta R.T. -0.001 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

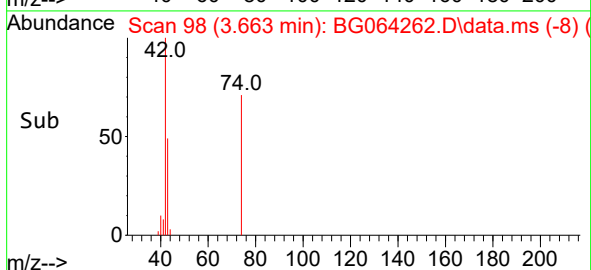
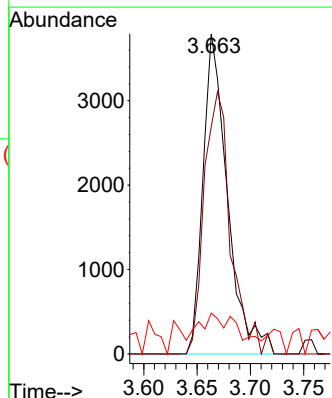
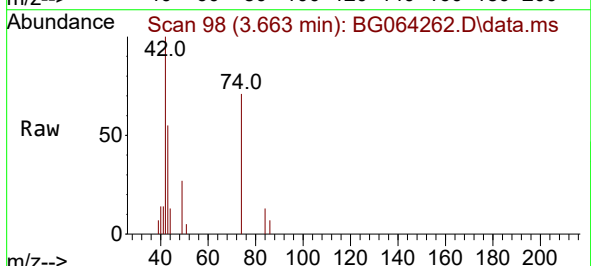
Tgt Ion: 42 Resp: 6052

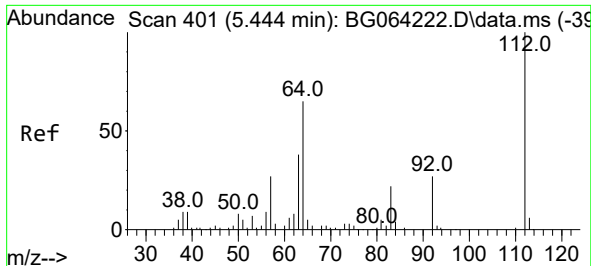
Ion Ratio Lower Upper

42 100

74 71.0 58.0 87.0

44 12.7 5.5 8.3#

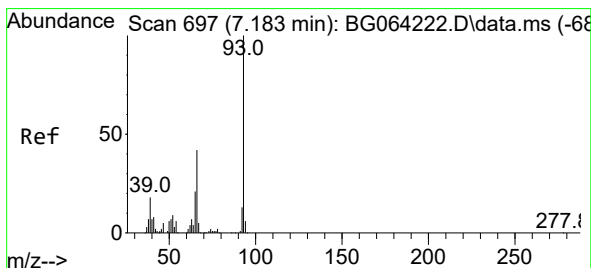
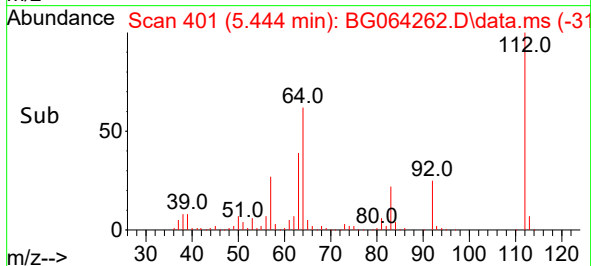
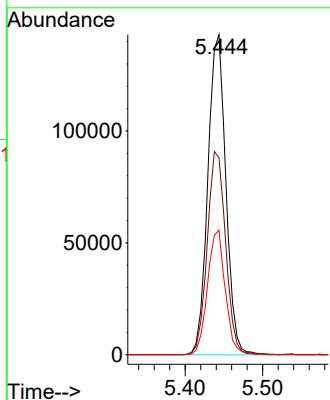
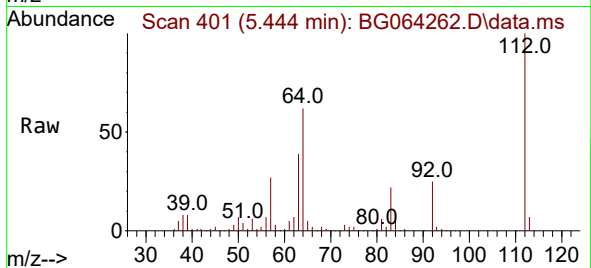




#5
2-Fluorophenol
Concen: 113.270 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

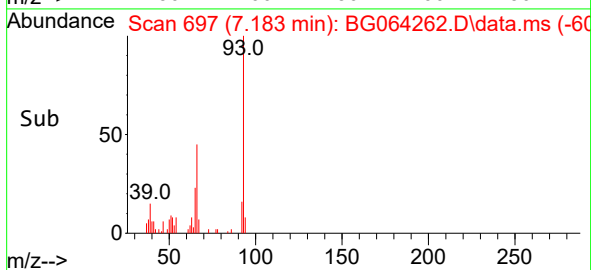
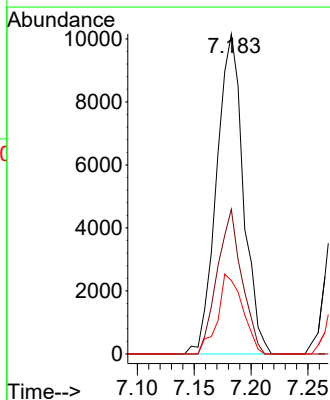
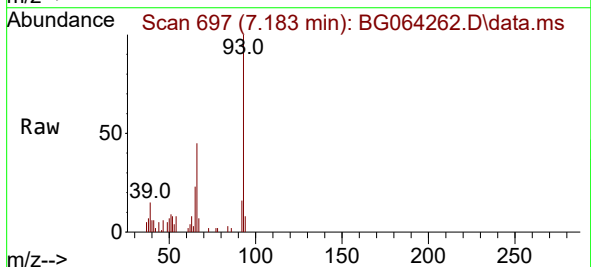
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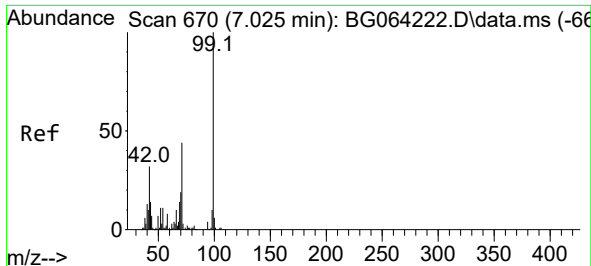
Tgt Ion:112 Resp: 230620
Ion Ratio Lower Upper
112 100
64 61.6 51.8 77.6
63 39.0 30.6 45.8



#6
Aniline
Concen: 4.298 ng
RT: 7.183 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion: 93 Resp: 16624
Ion Ratio Lower Upper
93 100
66 45.2 33.8 50.8
65 23.0 16.9 25.3

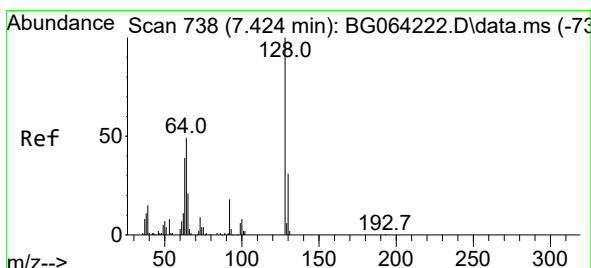
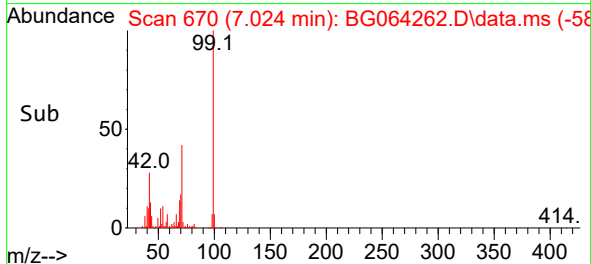
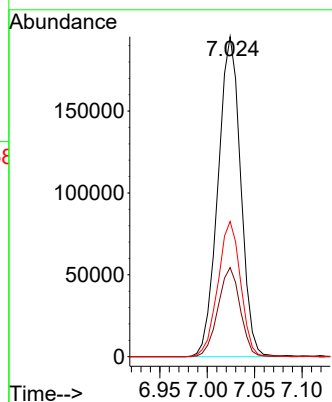
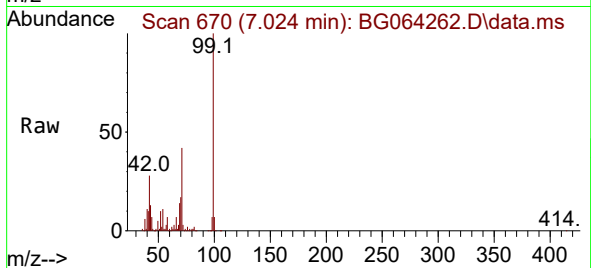




#7
Phenol-d6
Concen: 116.253 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064262.D
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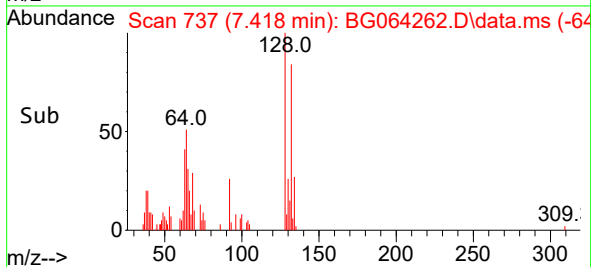
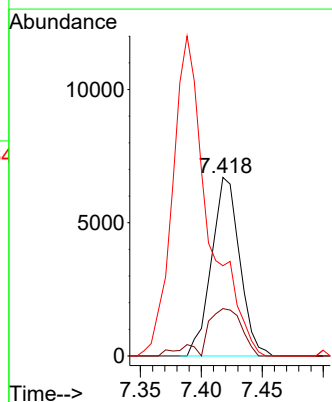
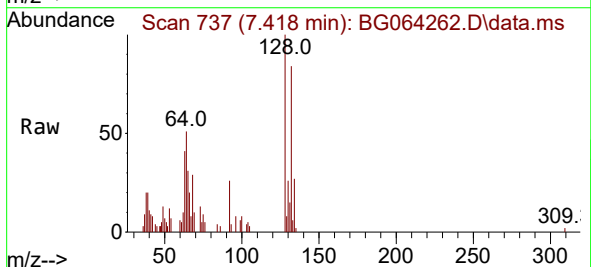
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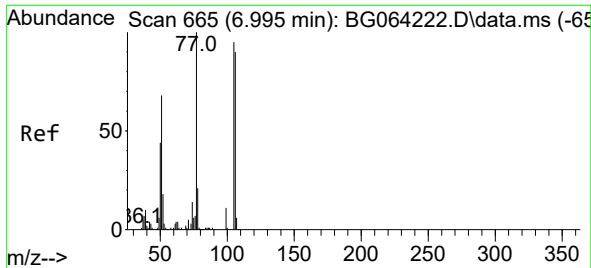
Tgt Ion: 99 Resp: 325175
Ion Ratio Lower Upper
99 100
42 27.8 25.8 38.8
71 42.2 35.2 52.8



#8
2-Chlorophenol
Concen: 4.340 ng
RT: 7.418 min Scan# 737
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:128 Resp: 10797
Ion Ratio Lower Upper
128 100
130 26.5 10.9 50.9
64 50.5 28.7 68.7

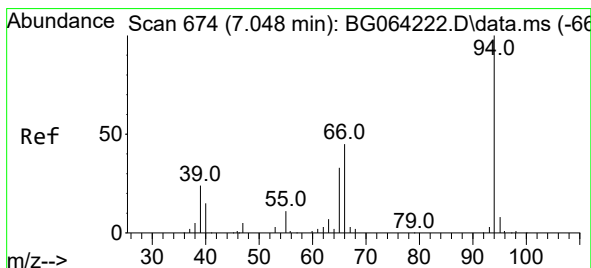
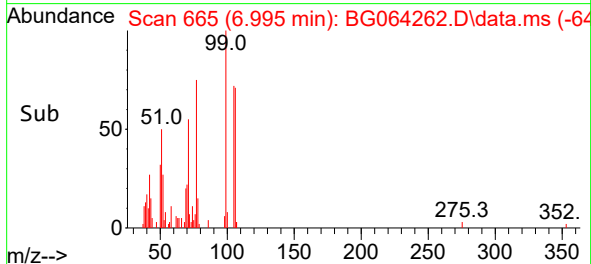
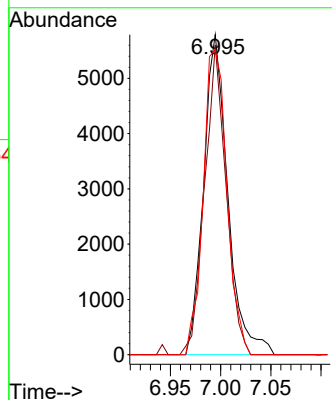
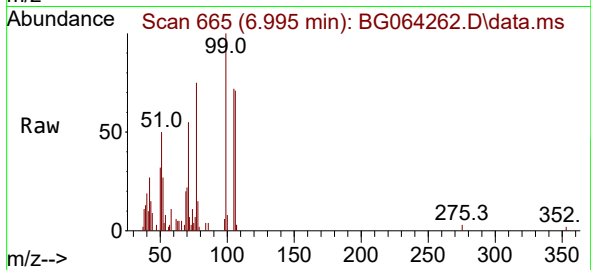




#9
Benzaldehyde
Concen: 4.231 ng
RT: 6.995 min Scan# 665
Delta R.T. -0.000 min
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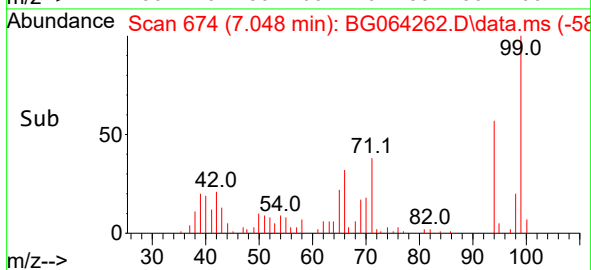
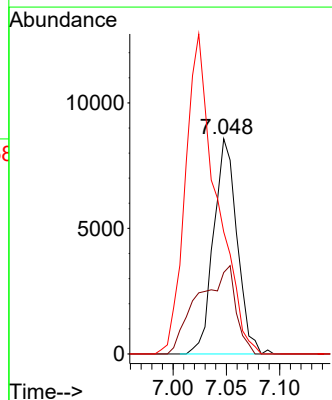
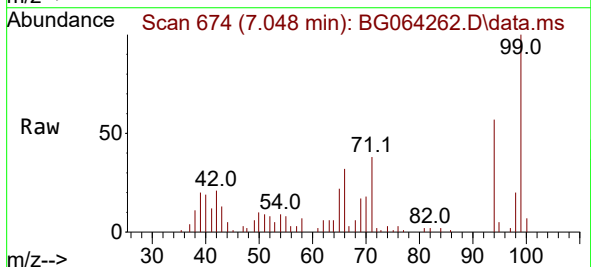
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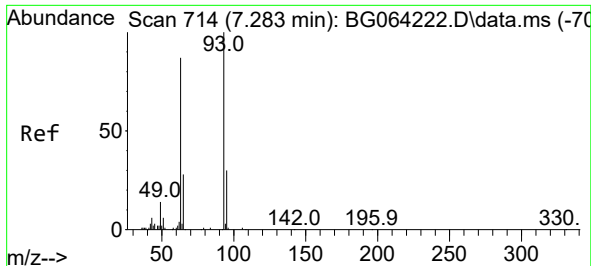
Tgt Ion: 77 Resp: 9739
Ion Ratio Lower Upper
77 100
105 96.8 75.2 115.2
106 95.3 69.6 109.6



#10
Phenol
Concen: 4.246 ng
RT: 7.048 min Scan# 674
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion: 94 Resp: 13095
Ion Ratio Lower Upper
94 100
65 37.8 13.5 53.5
66 56.8 26.2 66.2

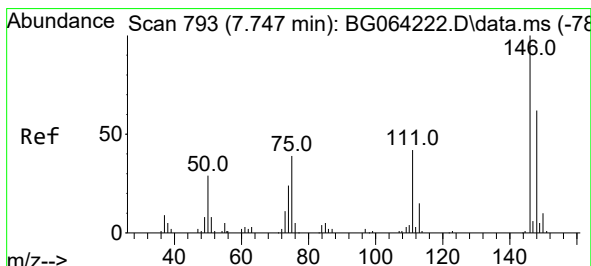
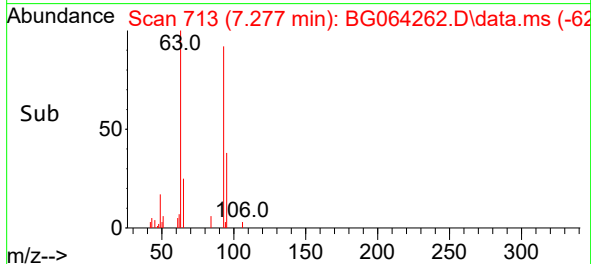
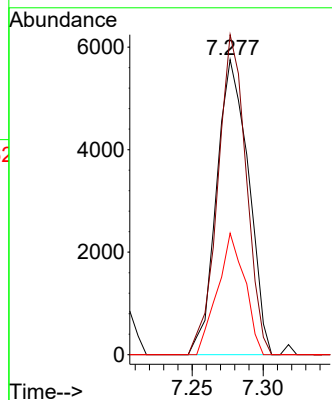
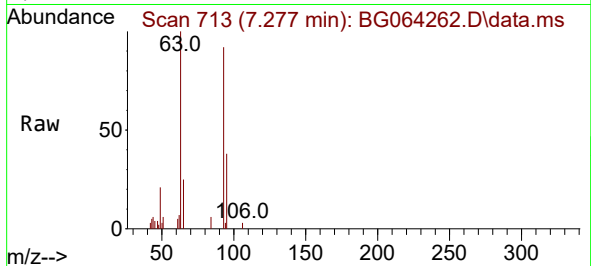




#11
bis(2-Chloroethyl)ether
Concen: 3.882 ng
RT: 7.277 min Scan# 714
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

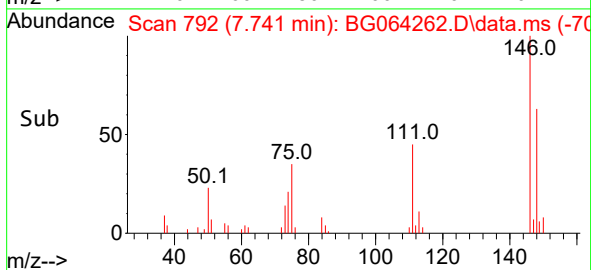
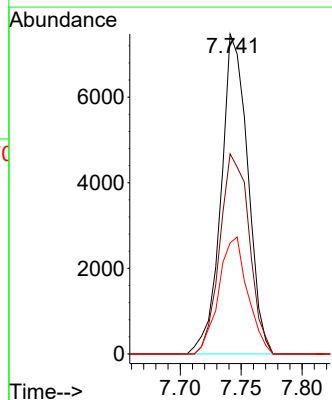
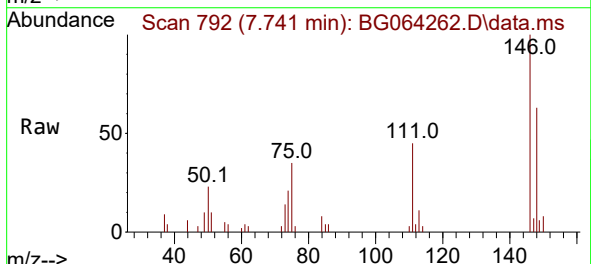
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

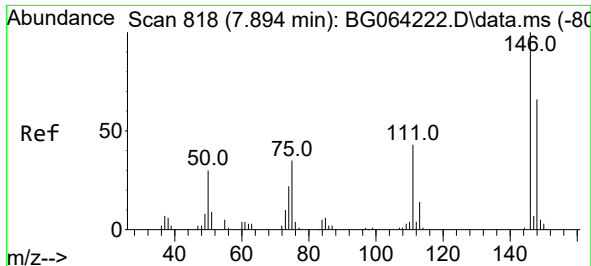
Tgt Ion: 93 Resp: 8997
Ion Ratio Lower Upper
93 100
63 108.5 66.2 106.2#
95 41.2 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 4.296 ng
RT: 7.741 min Scan# 792
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:146 Resp: 11370
Ion Ratio Lower Upper
146 100
148 62.6 49.6 74.4
75 34.7 31.0 46.6

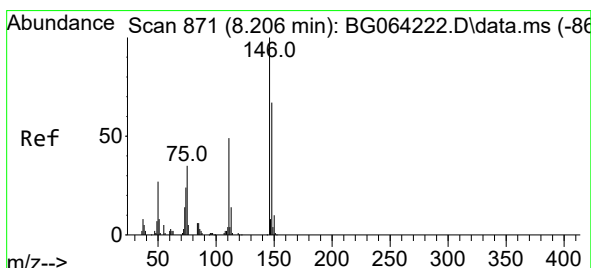
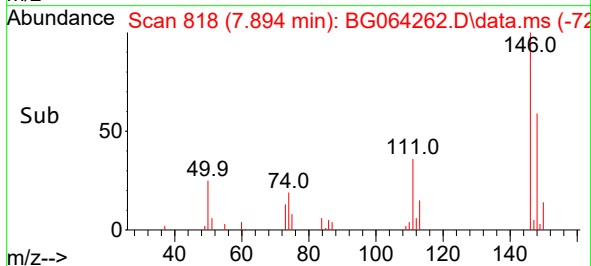
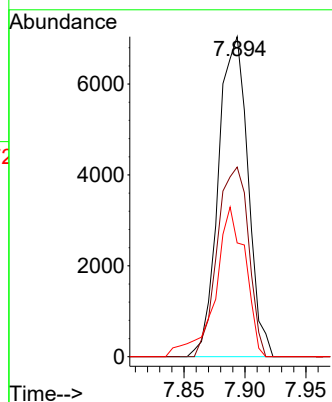
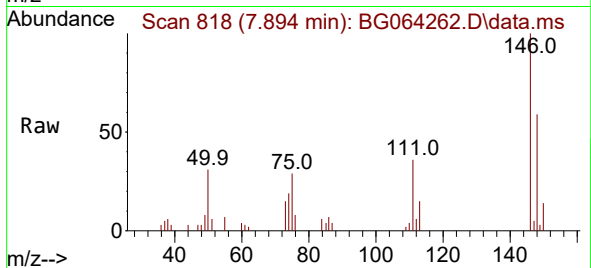




#13
1,4-Dichlorobenzene
Concen: 4.443 ng
RT: 7.894 min Scan# 818
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

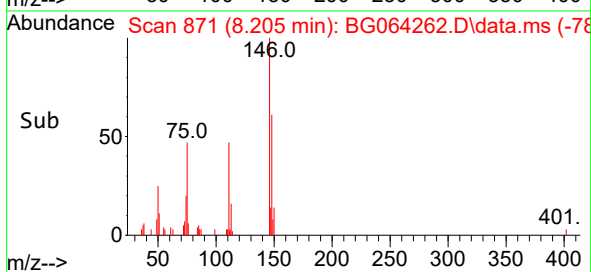
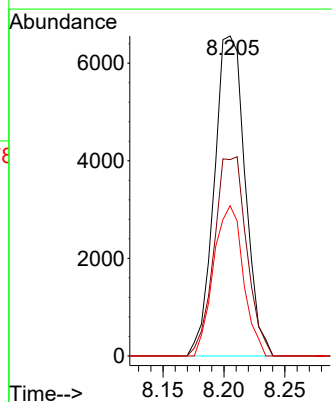
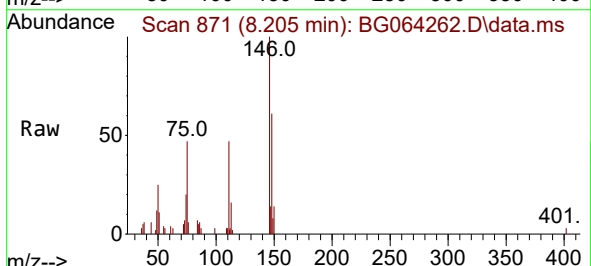
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

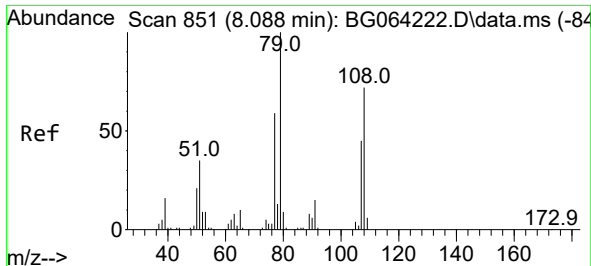
Tgt Ion:146 Resp: 11868
Ion Ratio Lower Upper
146 100
148 59.3 52.8 79.2
111 35.6 34.1 51.1



#14
1,2-Dichlorobenzene
Concen: 4.487 ng
RT: 8.205 min Scan# 871
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:146 Resp: 11569
Ion Ratio Lower Upper
146 100
148 61.4 53.4 80.0
111 49.4 39.1 58.7





#15

Benzyl Alcohol

Concen: 3.985 ng

RT: 8.087 min Scan# 851

Delta R.T. -0.007 min

Lab File: BG064262.D

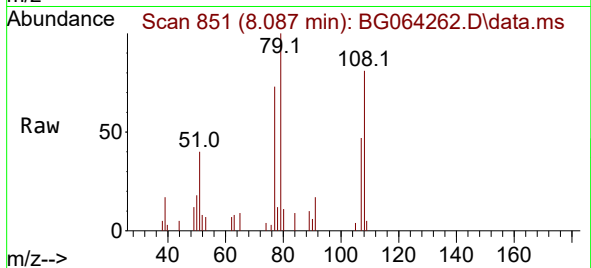
Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

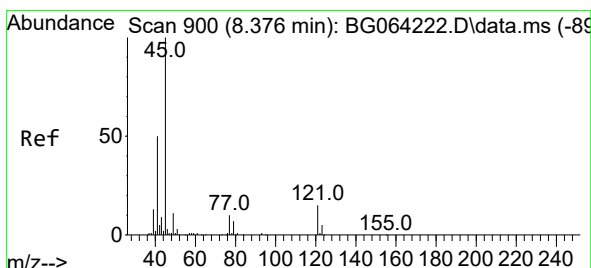
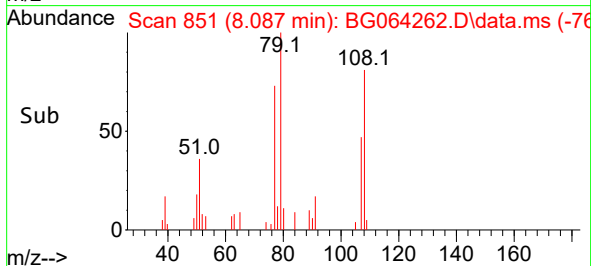
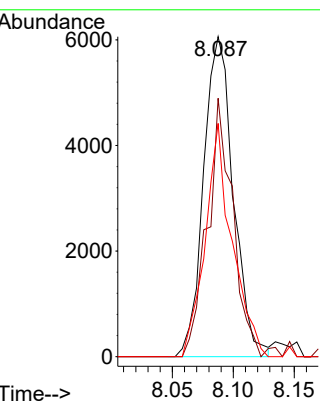
LOQ-SOIL-02-QT3-2025



Tgt Ion: 79 Resp: 10286

Ion Ratio Lower Upper

79	100		
108	80.7	57.4	86.0
77	72.9	47.2	70.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.809 ng

RT: 8.381 min Scan# 901

Delta R.T. 0.005 min

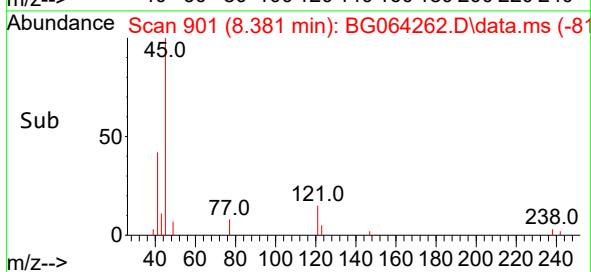
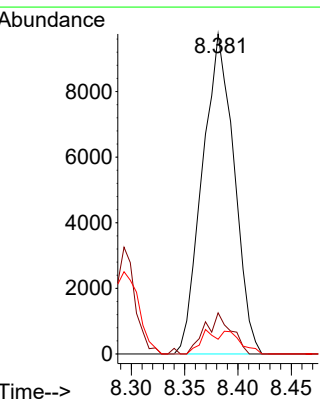
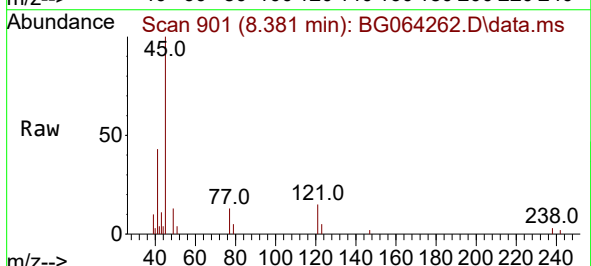
Lab File: BG064262.D

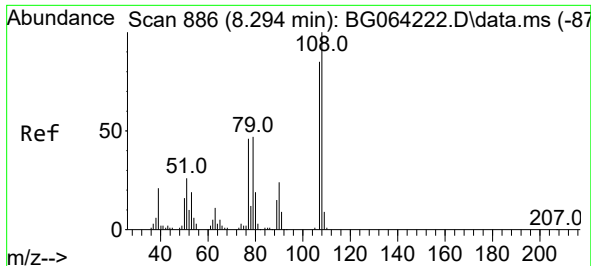
Acq: 3 Sep 2025 20:34

Tgt Ion: 45 Resp: 20154

Ion Ratio Lower Upper

45	100		
77	12.9	0.0	30.0
79	4.6	0.0	27.9

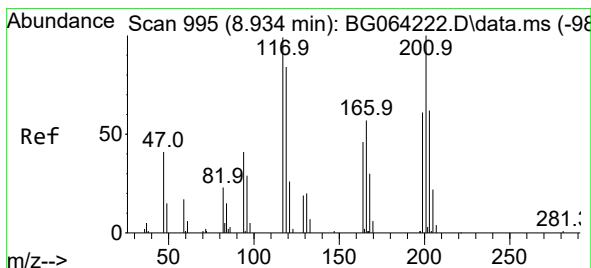
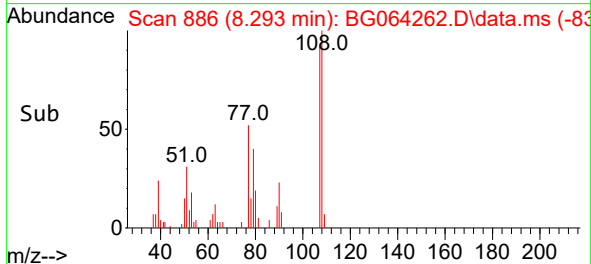
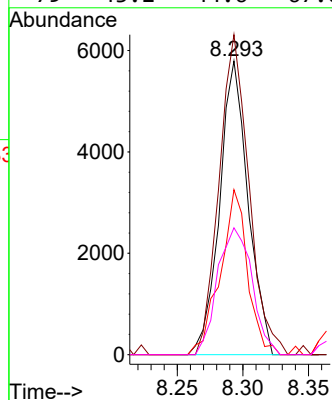
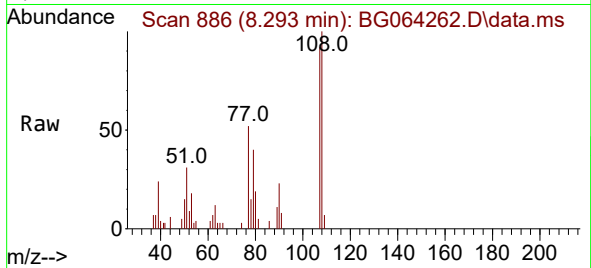




#17
2-Methylphenol
Concen: 3.797 ng
RT: 8.293 min Scan# 886
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

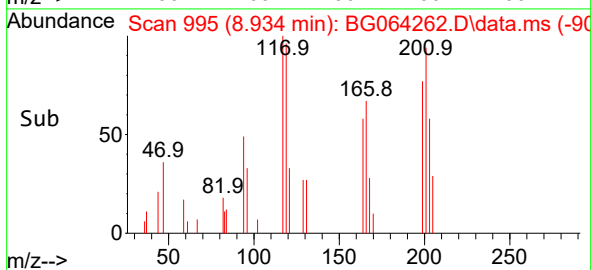
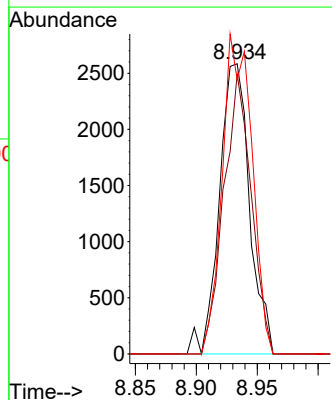
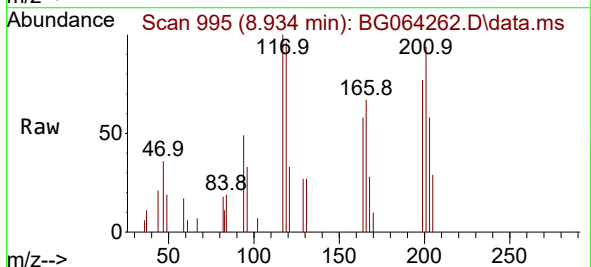
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

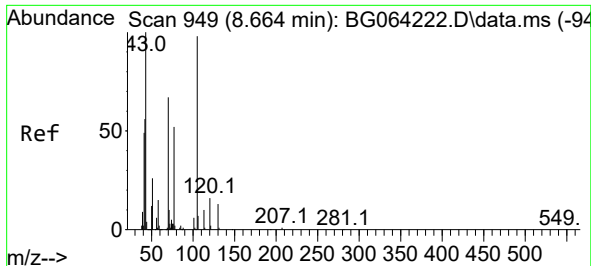
Tgt Ion:107 Resp: 8727
Ion Ratio Lower Upper
107 100
108 109.0 94.6 141.8
77 56.2 43.7 65.5
79 43.2 44.6 67.0#



#18
Hexachloroethane
Concen: 4.272 ng
RT: 8.934 min Scan# 995
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:117 Resp: 4455
Ion Ratio Lower Upper
117 100
119 96.4 67.9 101.9
201 94.5 80.5 120.7

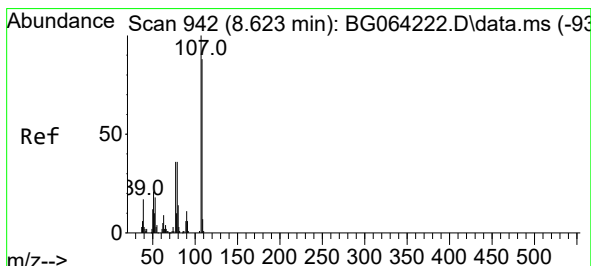
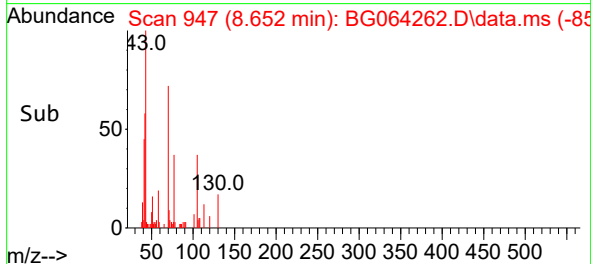
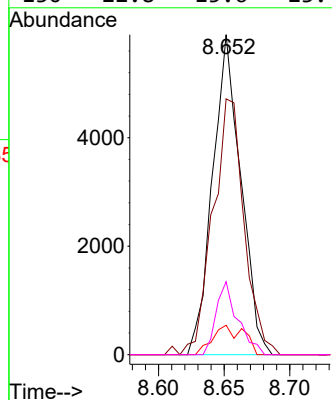
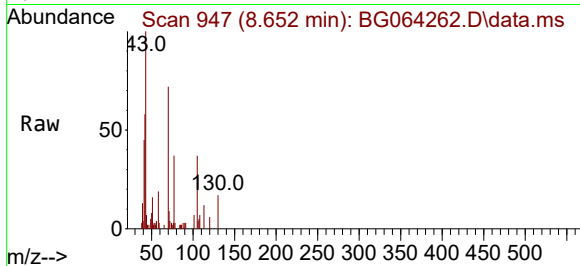




#19
n-Nitroso-di-n-propylamine
Concen: 4.117 ng
RT: 8.652 min Scan# 941
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

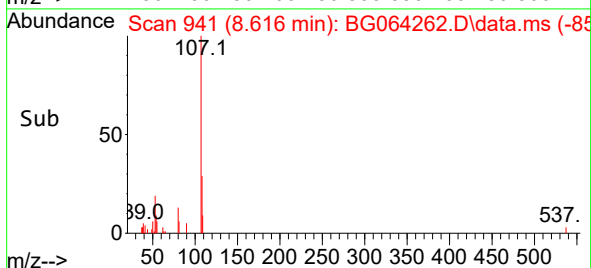
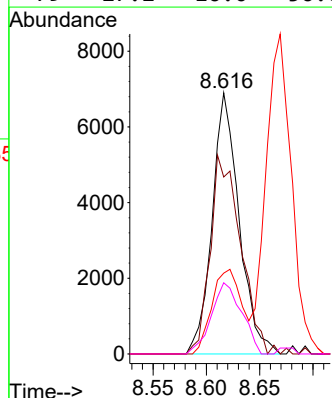
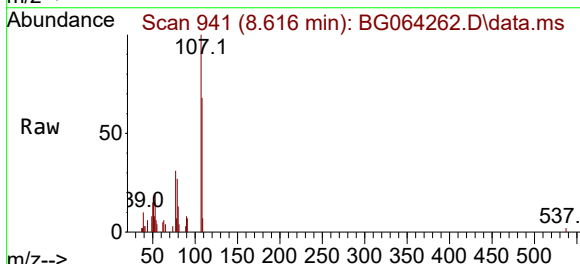
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

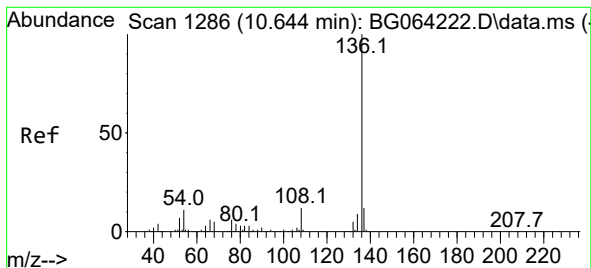
Tgt Ion:	70	Resp:	8813
Ion	Ratio	Lower	Upper
70	100		
42	80.0	67.9	101.9
101	9.2	7.3	10.9
130	22.8	15.6	23.4



#20
3+4-Methylphenols
Concen: 3.800 ng
RT: 8.616 min Scan# 941
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:	107	Resp:	12137
Ion	Ratio	Lower	Upper
107	100		
108	67.8	68.1	108.1#
77	30.9	15.9	55.9
79	27.2	16.0	56.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.643 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG064262.D

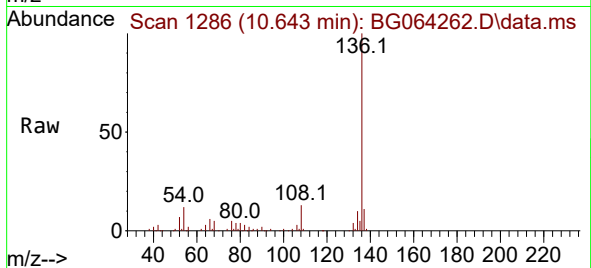
Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025



Tgt Ion:136 Resp: 163400

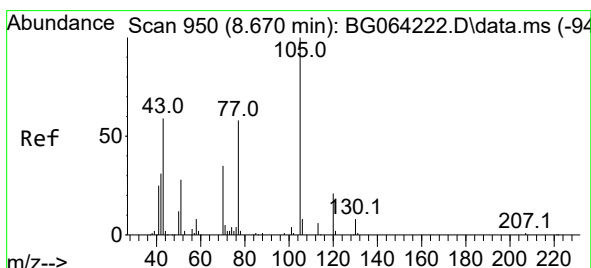
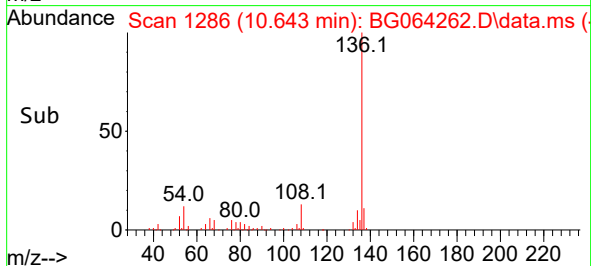
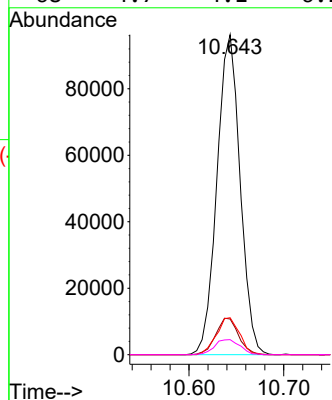
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 11.5 8.8 13.2

68 4.7 4.1 6.1



#22

Acetophenone

Concen: 4.032 ng

RT: 8.669 min Scan# 950

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Tgt Ion:105 Resp: 16668

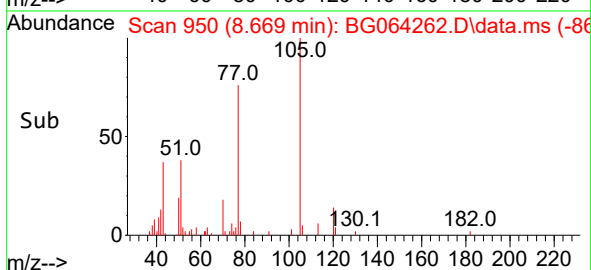
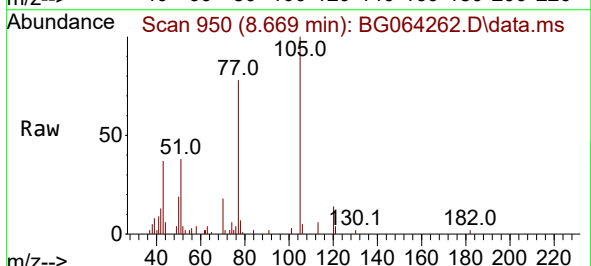
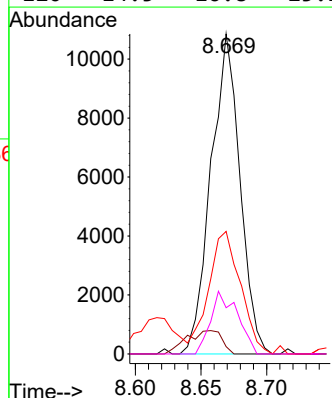
Ion Ratio Lower Upper

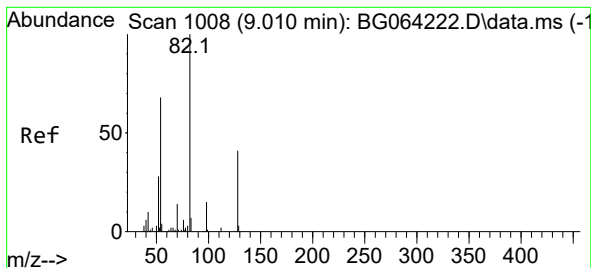
105 100

71 2.3 4.3 6.5#

51 38.3 32.4 48.6

120 14.5 16.8 25.2#





#23

Nitrobenzene-d5

Concen: 81.710 ng

RT: 9.010 min Scan# 1008

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

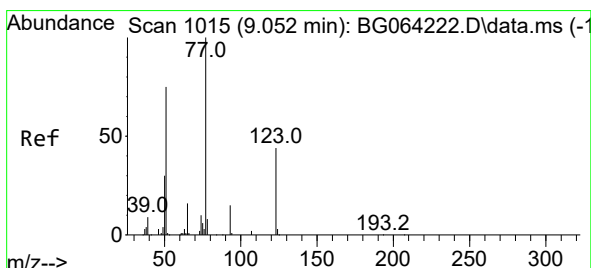
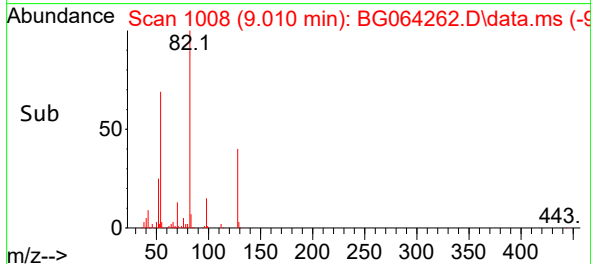
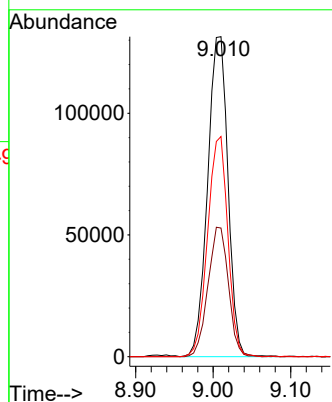
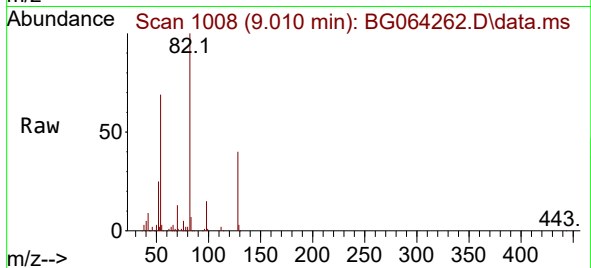
Tgt Ion: 82 Resp: 239399

Ion Ratio Lower Upper

82 100

128 40.2 32.6 48.8

54 68.8 54.7 82.1



#24

Nitrobenzene

Concen: 4.429 ng

RT: 9.045 min Scan# 1014

Delta R.T. -0.013 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

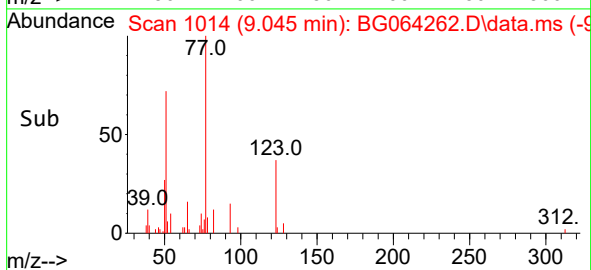
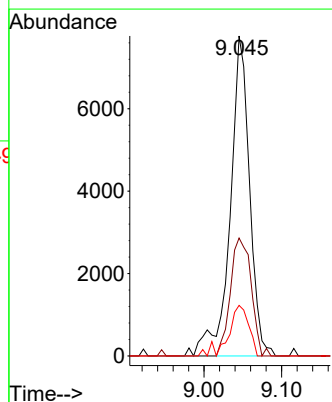
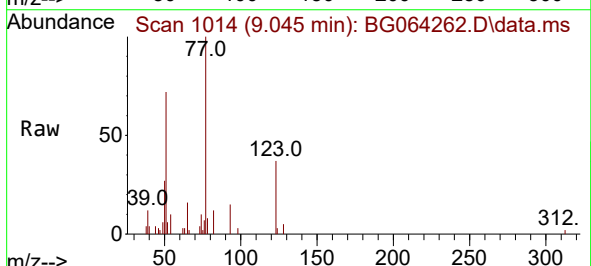
Tgt Ion: 77 Resp: 13558

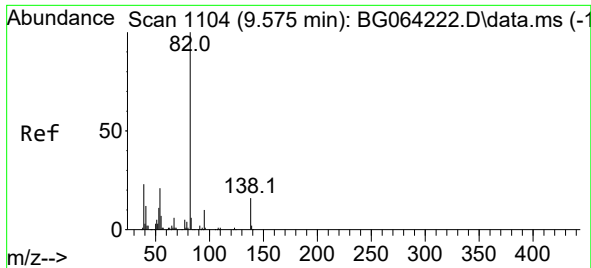
Ion Ratio Lower Upper

77 100

123 36.9 35.2 52.8

65 15.8 12.6 19.0

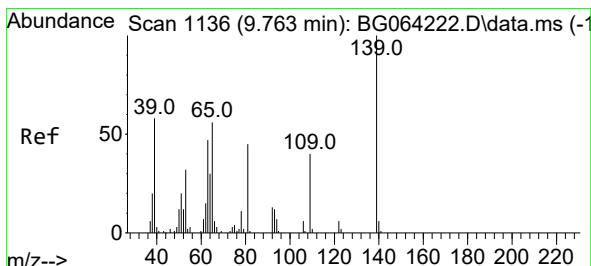
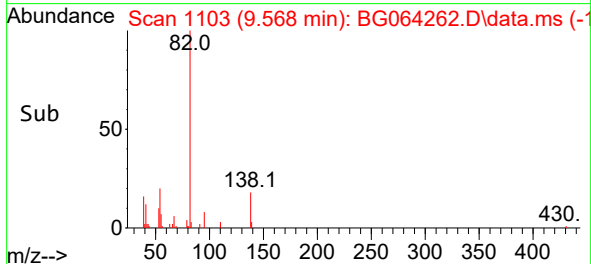
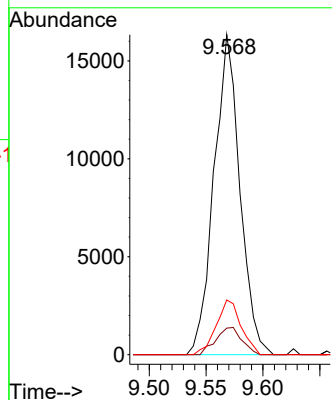
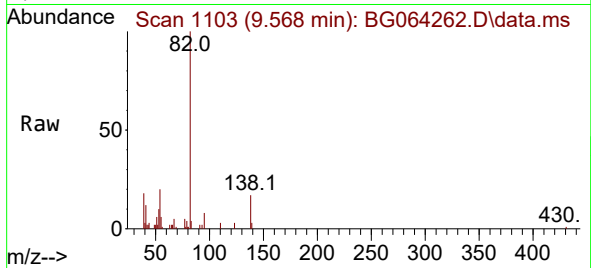




#25
Isophorone
Concen: 4.250 ng
RT: 9.568 min Scan# 1103
Delta R.T. -0.018 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

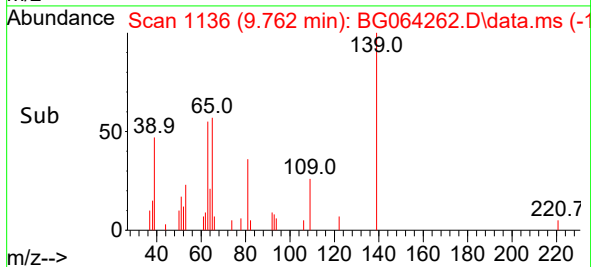
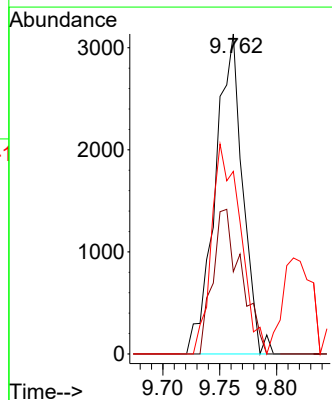
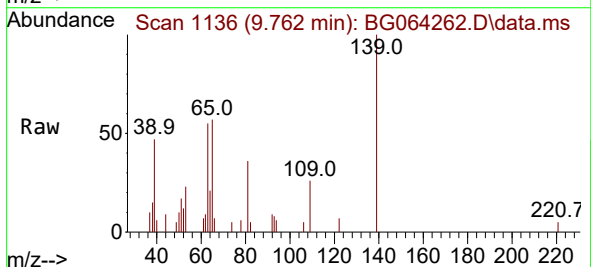
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

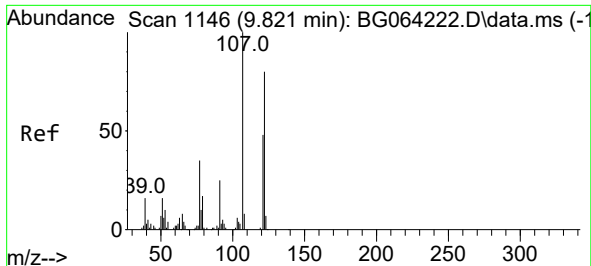
Tgt Ion: 82 Resp: 25879
Ion Ratio Lower Upper
82 100
95 8.3 7.9 11.9
138 17.1 13.0 19.4



#26
2-Nitrophenol
Concen: 3.977 ng
RT: 9.762 min Scan# 1136
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:139 Resp: 5261
Ion Ratio Lower Upper
139 100
109 25.7 32.4 48.6#
65 57.0 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 4.341 ng

RT: 9.821 min Scan# 1146

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

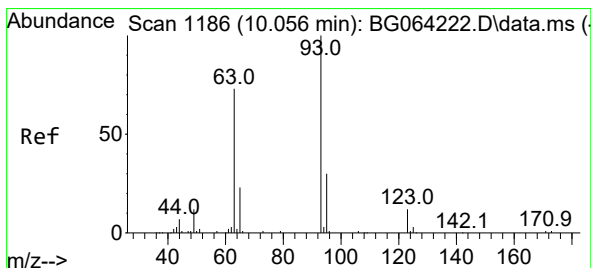
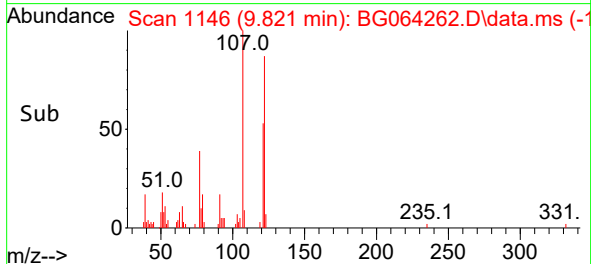
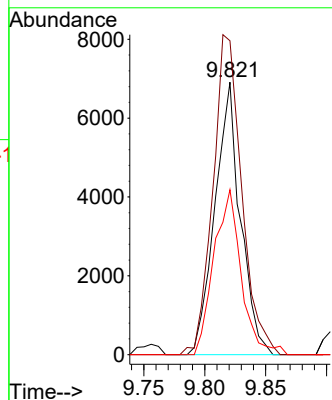
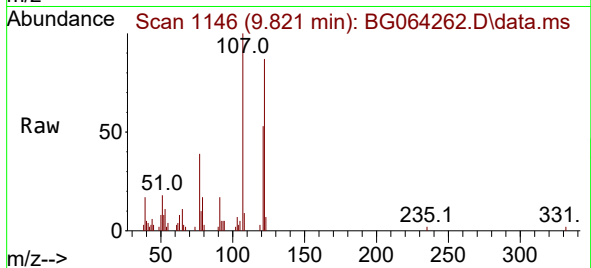
Tgt Ion:122 Resp: 10080

Ion Ratio Lower Upper

122 100

107 115.2 99.9 149.9

121 60.6 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.050 ng

RT: 10.056 min Scan# 1186

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

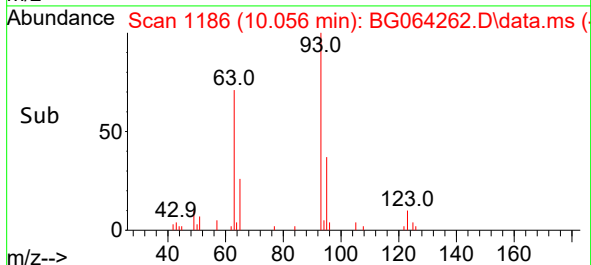
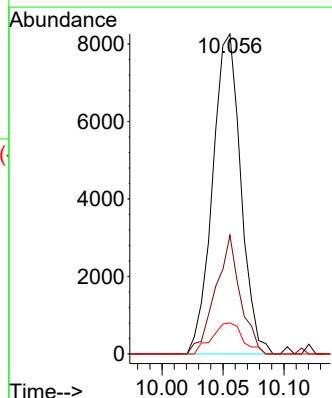
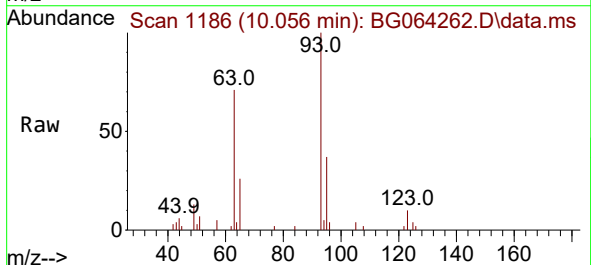
Tgt Ion: 93 Resp: 13297

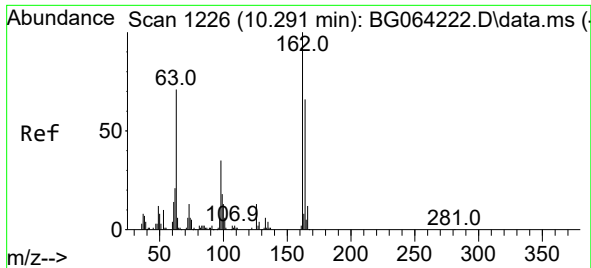
Ion Ratio Lower Upper

93 100

95 37.1 23.9 35.9#

123 9.7 9.6 14.4

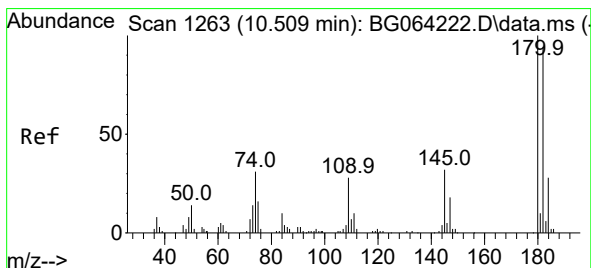
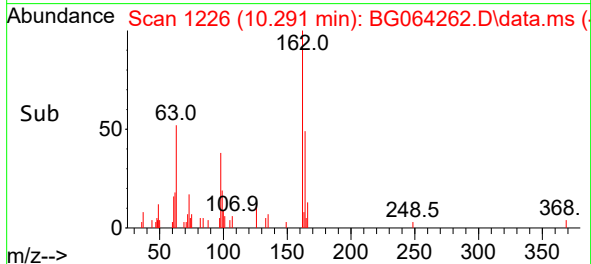
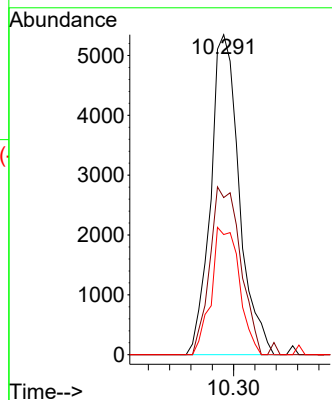
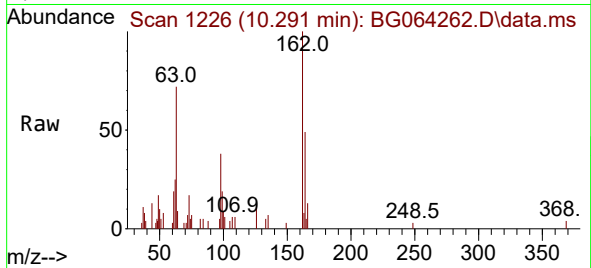




#29
2,4-Dichlorophenol
Concen: 4.062 ng
RT: 10.291 min Scan# 1226
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

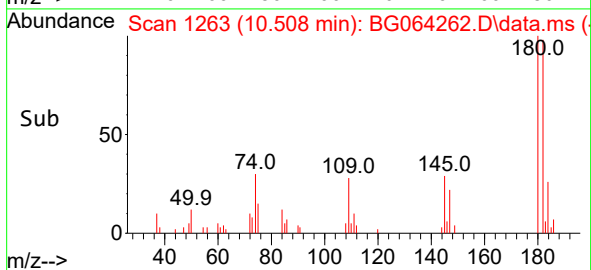
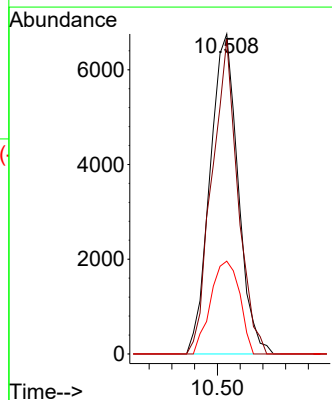
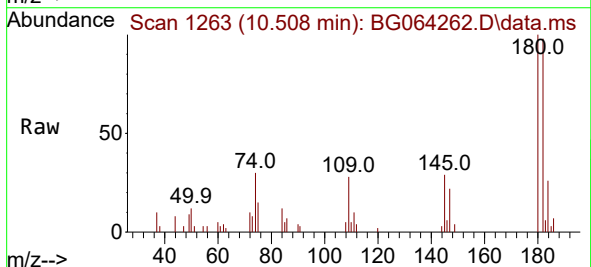
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

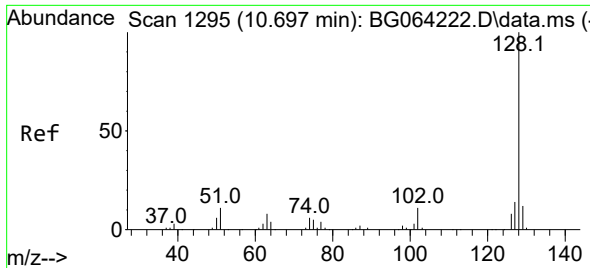
Tgt Ion:162 Resp: 9954
Ion Ratio Lower Upper
162 100
164 49.1 45.8 85.8
98 37.5 15.2 55.2



#30
1,2,4-Trichlorobenzene
Concen: 4.479 ng
RT: 10.508 min Scan# 1263
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

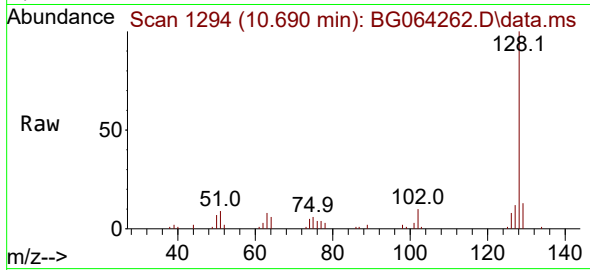
Tgt Ion:180 Resp: 11573
Ion Ratio Lower Upper
180 100
182 98.3 75.0 112.6
145 29.0 25.4 38.0



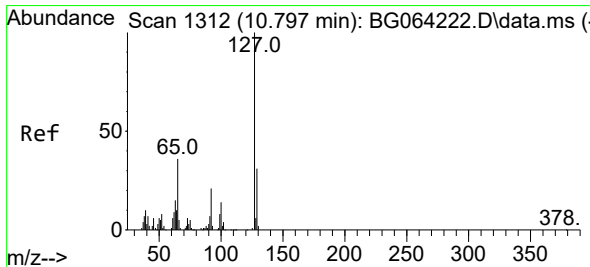
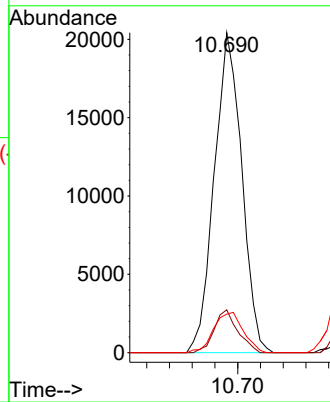
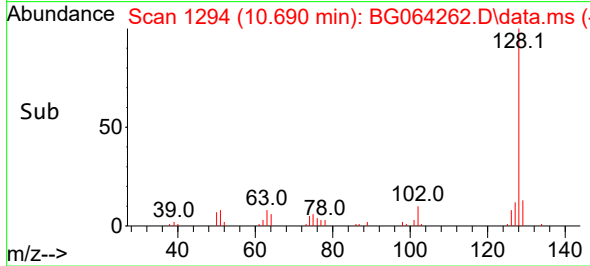


#31
Naphthalene
Concen: 4.044 ng
RT: 10.690 min Scan# 1294
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

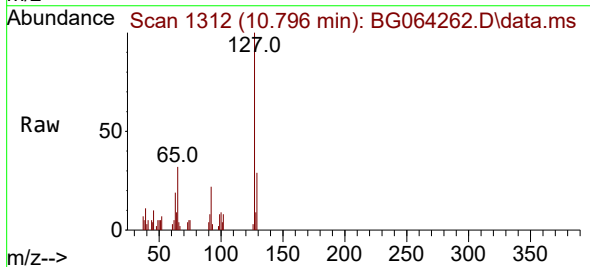
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025



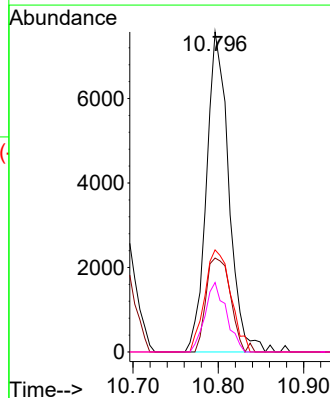
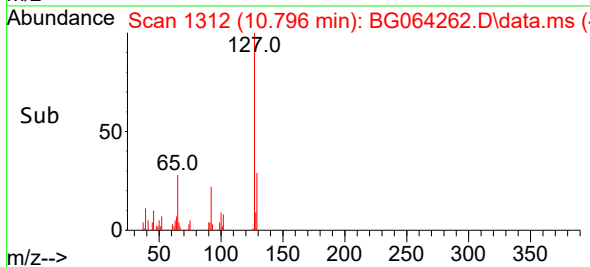
Tgt Ion:128 Resp: 34265
Ion Ratio Lower Upper
128 100
129 13.4 9.4 14.2
127 12.1 10.9 16.3

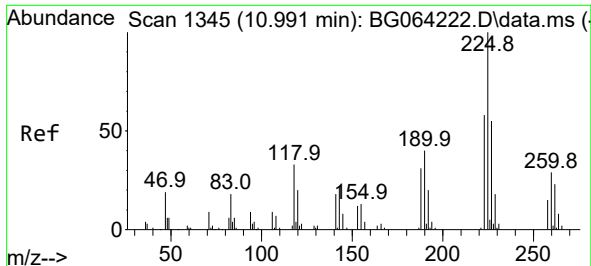


#33
4-Chloroaniline
Concen: 4.193 ng
RT: 10.796 min Scan# 1312
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34



Tgt Ion:127 Resp: 13770
Ion Ratio Lower Upper
127 100
129 29.4 25.0 37.4
65 31.9 28.7 43.1
92 21.7 16.5 24.7

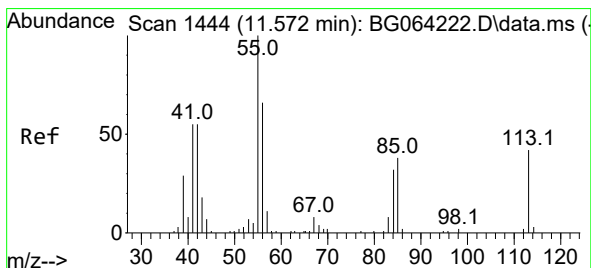
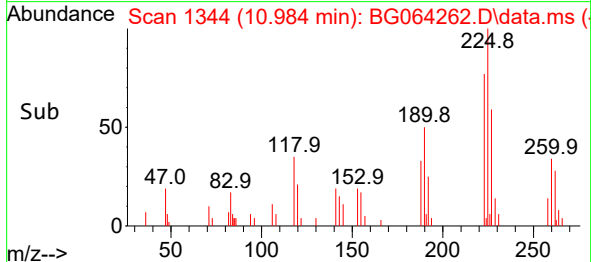
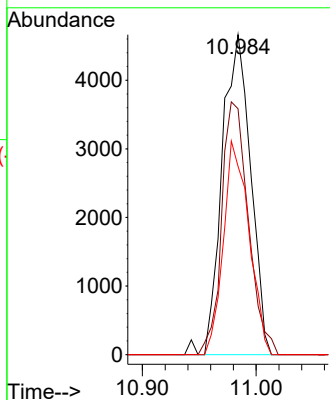
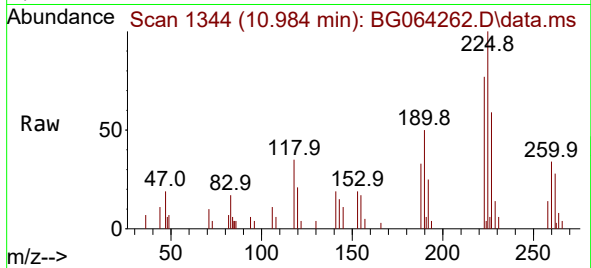




#34
Hexachlorobutadiene
Concen: 4.259 ng
RT: 10.984 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

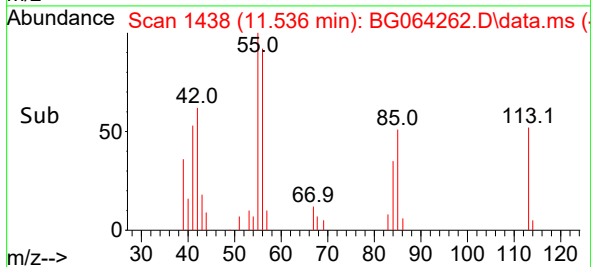
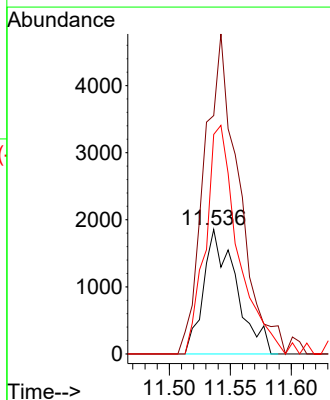
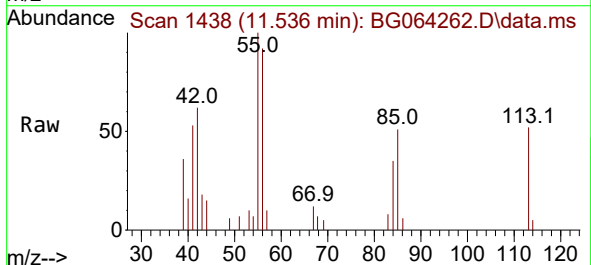
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

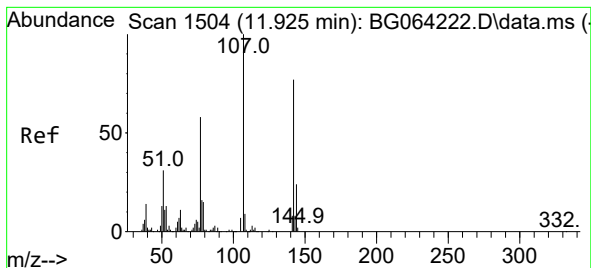
Tgt Ion:225 Resp: 8133
Ion Ratio Lower Upper
225 100
223 76.9 46.5 69.7#
227 58.8 44.1 66.1



#35
Caprolactam
Concen: 3.645 ng
RT: 11.536 min Scan# 1438
Delta R.T. -0.065 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:113 Resp: 3458
Ion Ratio Lower Upper
113 100
55 191.4 218.5 258.5#
56 176.3 138.5 178.5

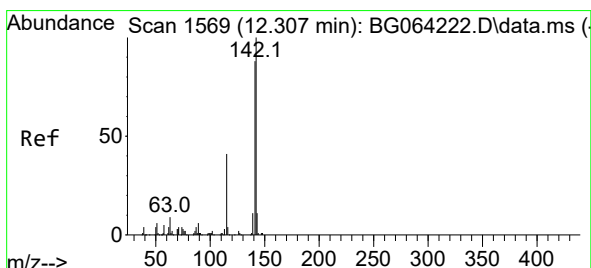
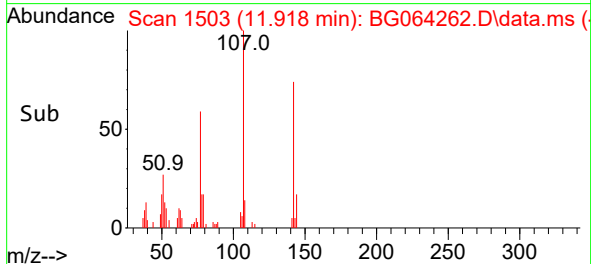
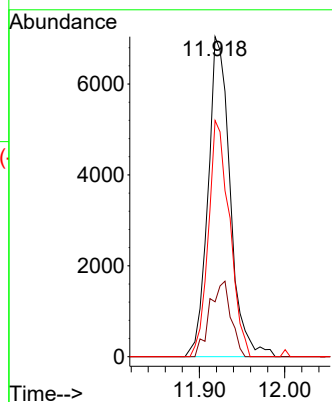
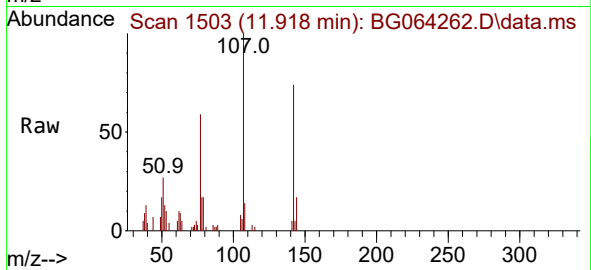




#36
4-Chloro-3-methylphenol
Concen: 3.992 ng
RT: 11.918 min Scan# 1503
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

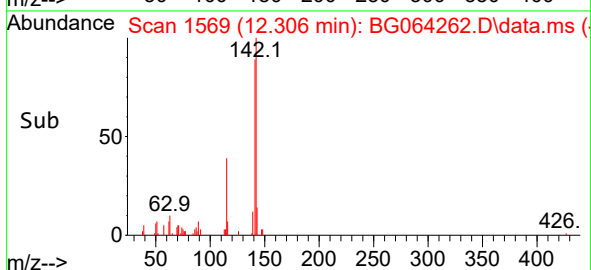
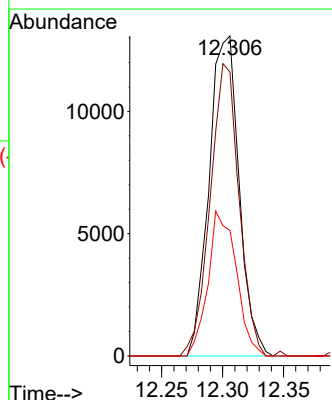
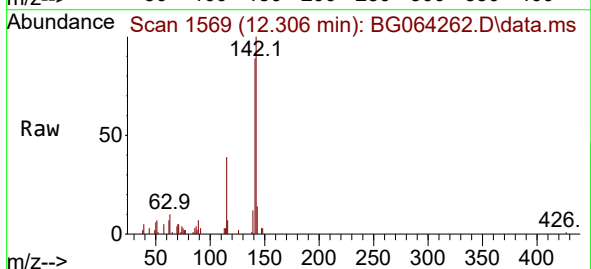
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

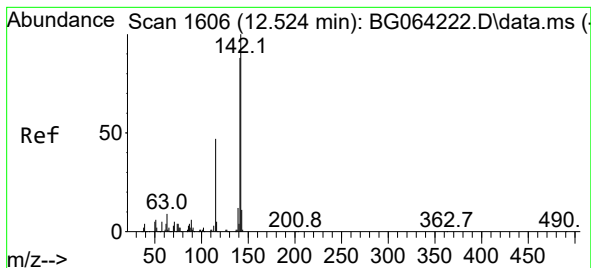
Tgt Ion:107 Resp: 12690
Ion Ratio Lower Upper
107 100
144 17.1 19.5 29.3#
142 73.8 62.0 93.0



#37
2-Methylnaphthalene
Concen: 3.559 ng
RT: 12.306 min Scan# 1569
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:142 Resp: 22416
Ion Ratio Lower Upper
142 100
141 88.7 70.1 105.1
115 39.2 33.1 49.7





#38

1-Methylnaphthalene

Concen: 4.014 ng

RT: 12.523 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

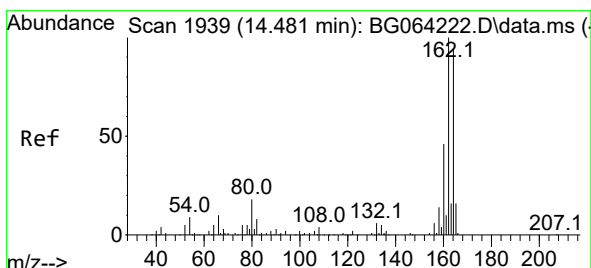
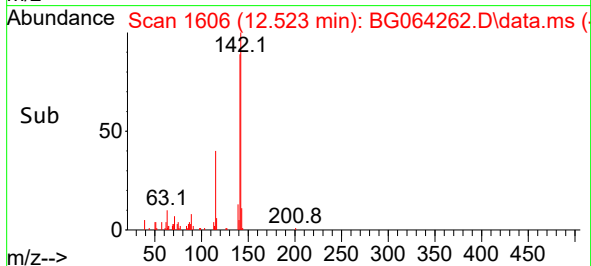
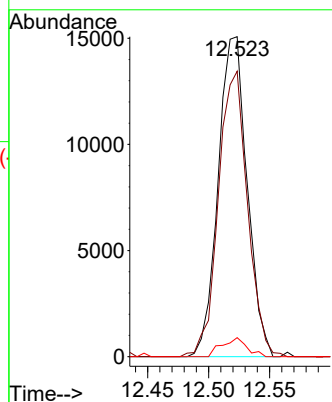
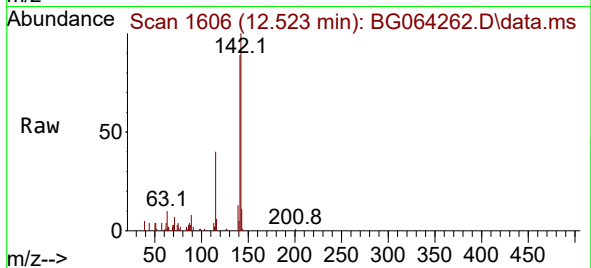
Tgt Ion:142 Resp: 24969

Ion Ratio Lower Upper

142 100

141 89.2 70.3 105.5

116 5.9 3.7 5.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1939

Delta R.T. -0.001 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

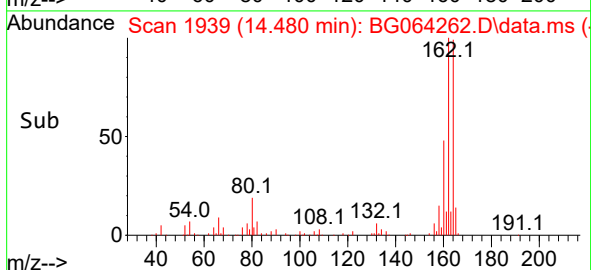
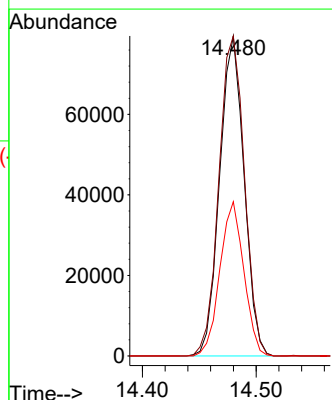
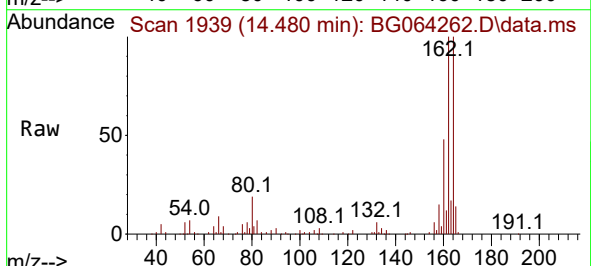
Tgt Ion:164 Resp: 118321

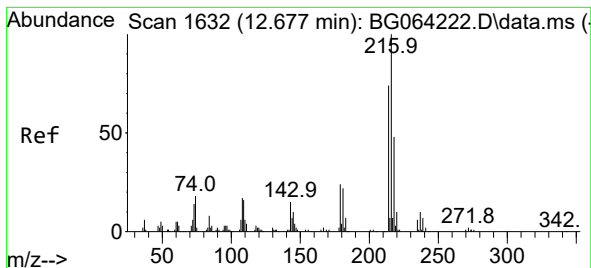
Ion Ratio Lower Upper

164 100

162 100.2 85.4 128.0

160 48.3 39.2 58.8





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.256 ng

RT: 12.670 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion:216 Resp: 14531

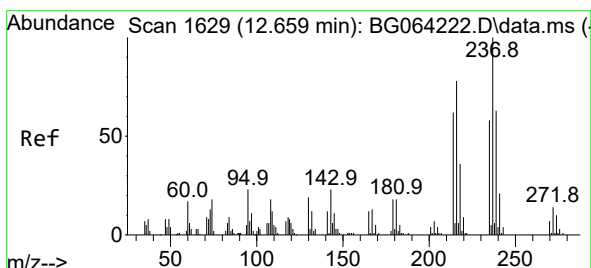
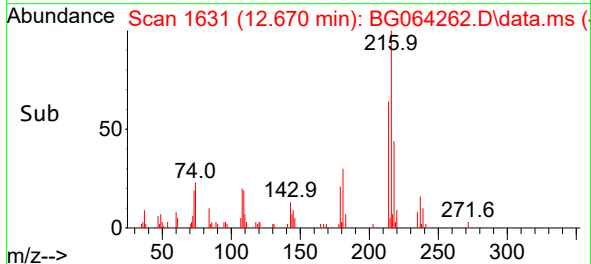
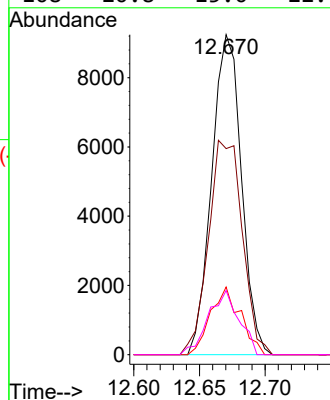
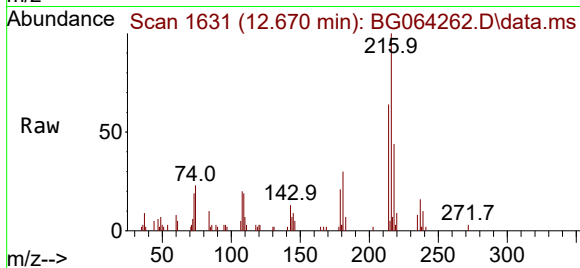
Ion Ratio Lower Upper

216 100

214 76.3 61.9 92.9

179 21.4 17.9 26.9

108 20.8 15.0 22.4



#41

Hexachlorocyclopentadiene

Concen: 4.026 ng

RT: 12.653 min Scan# 1628

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

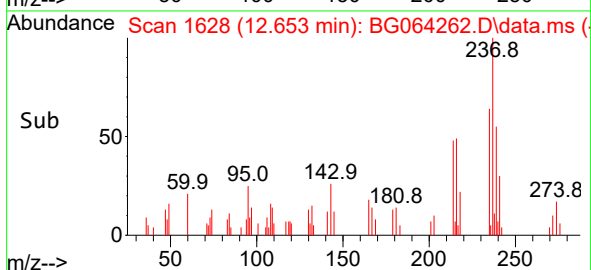
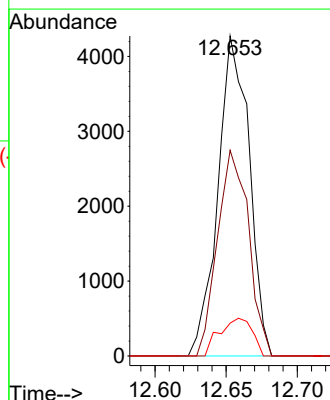
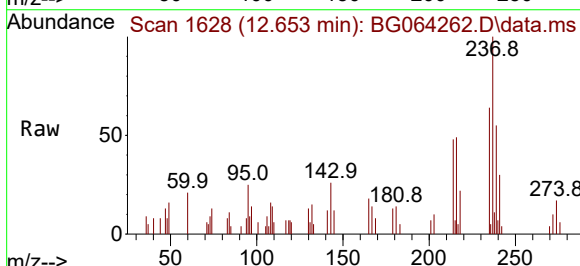
Tgt Ion:237 Resp: 6533

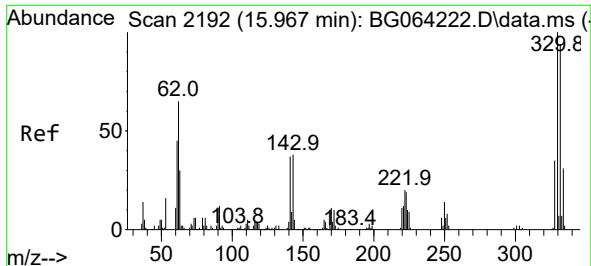
Ion Ratio Lower Upper

237 100

235 69.0 37.9 77.9

272 10.3 0.0 33.8

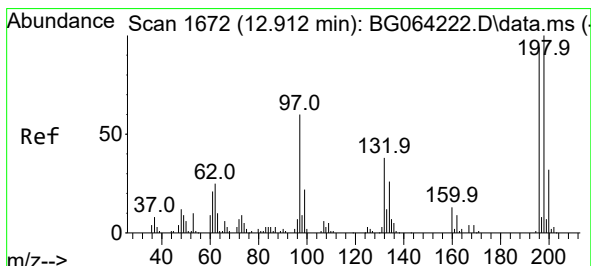
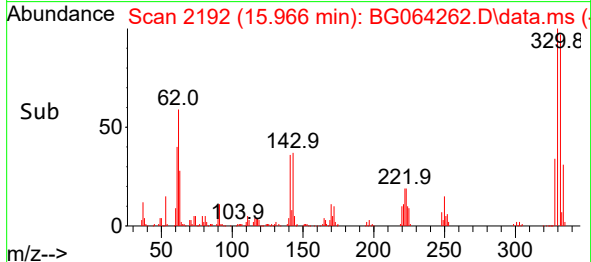
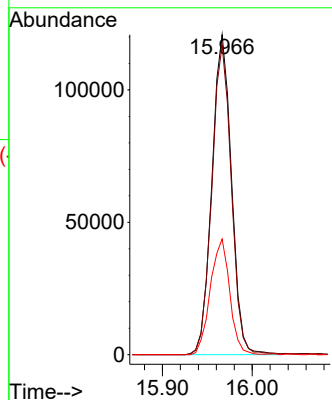
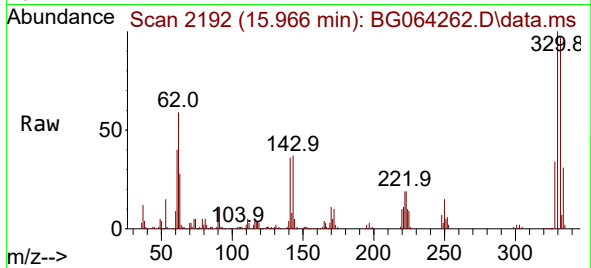




#42
2,4,6-Tribromophenol
Concen: 116.705 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

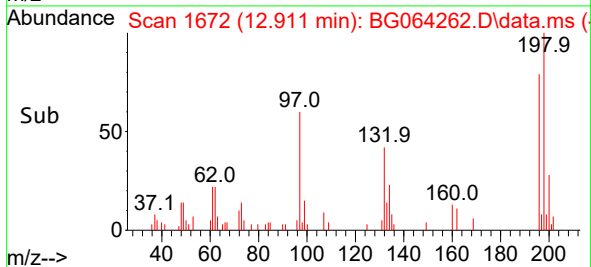
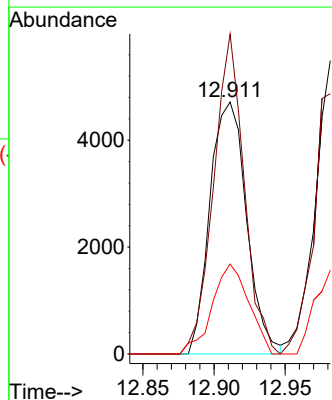
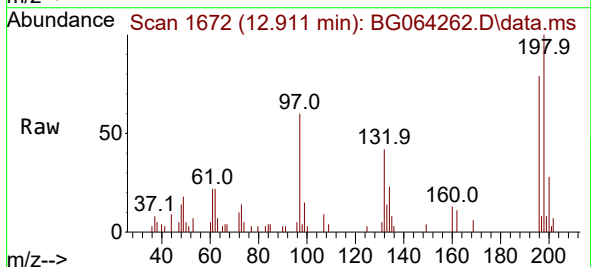
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

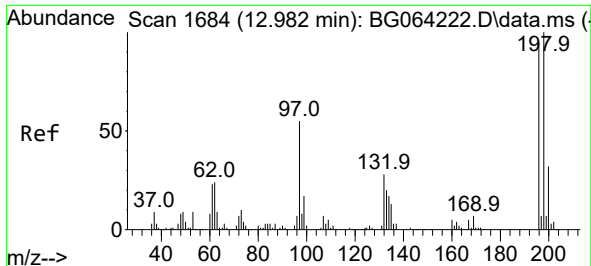
Tgt Ion:330 Resp: 182902
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 35.8 29.8 44.6



#43
2,4,6-Trichlorophenol
Concen: 3.704 ng
RT: 12.911 min Scan# 1672
Delta R.T. -0.001 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:196 Resp: 8453
Ion Ratio Lower Upper
196 100
198 127.0 85.4 128.2
200 35.7 27.3 40.9

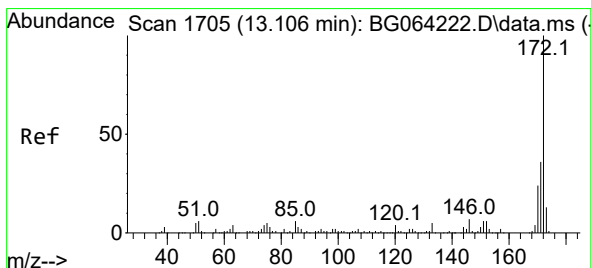
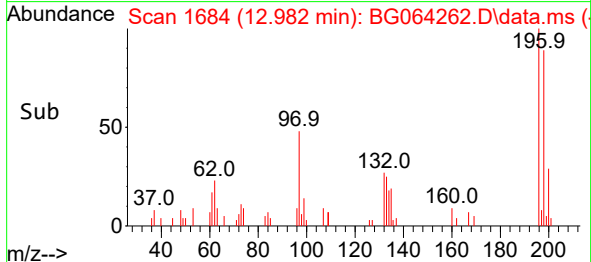
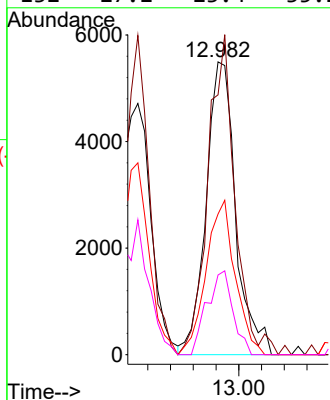
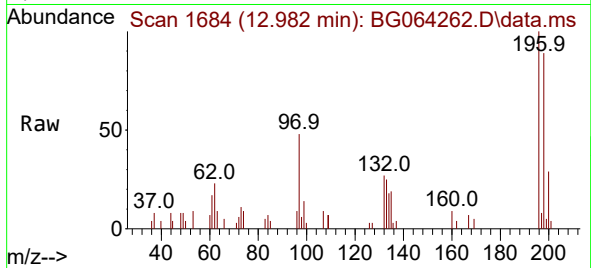




#44
2,4,5-Trichlorophenol
Concen: 3.998 ng
RT: 12.982 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

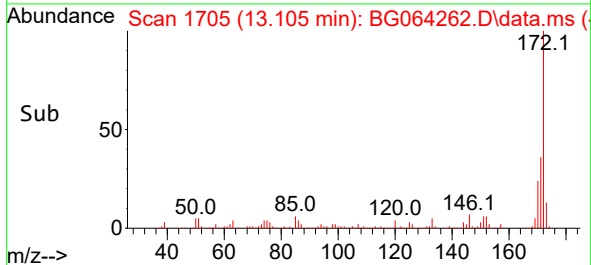
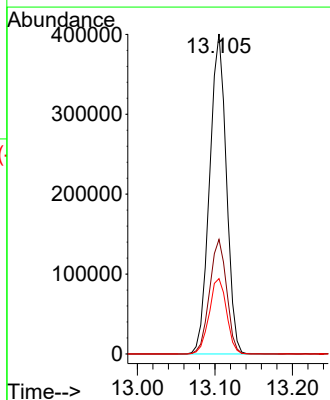
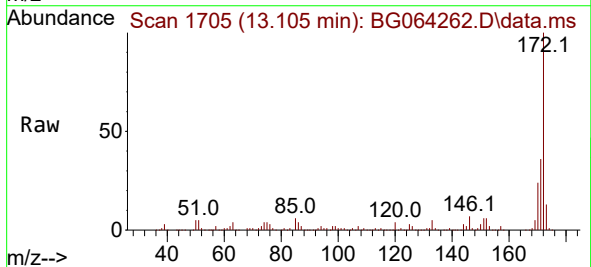
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

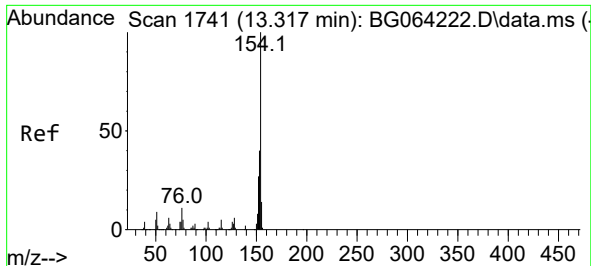
Tgt	Ion:196	Resp:	9895
Ion	Ratio	Lower	Upper
196	100		
198	88.7	84.5	126.7
97	48.0	46.8	70.2
132	27.2	23.4	35.2



#45
2-Fluorobiphenyl
Concen: 77.473 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt	Ion:172	Resp:	600558
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.6	19.0	28.6

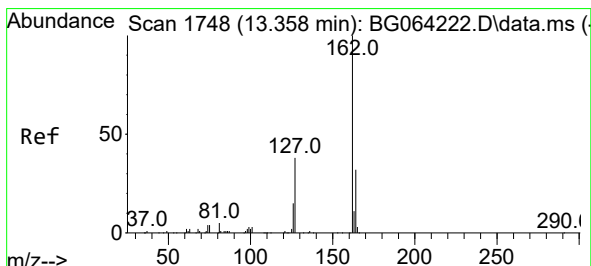
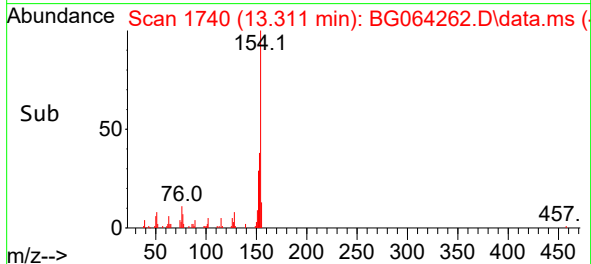
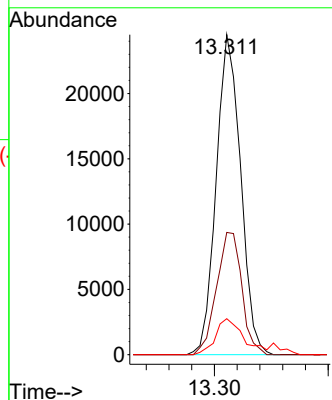
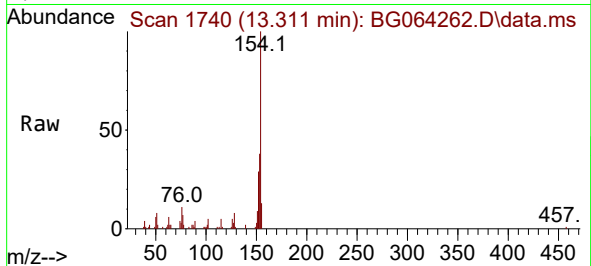




#46
1,1'-Biphenyl
Concen: 4.231 ng
RT: 13.311 min Scan# 1740
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

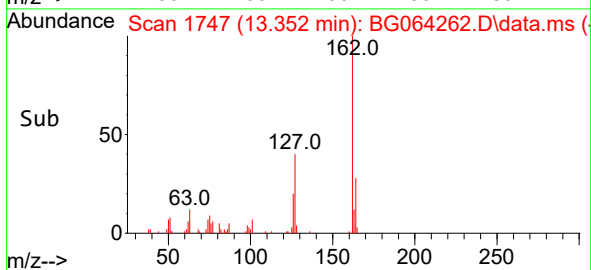
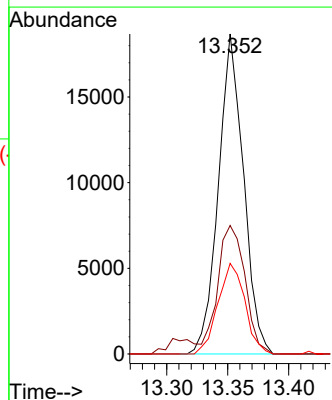
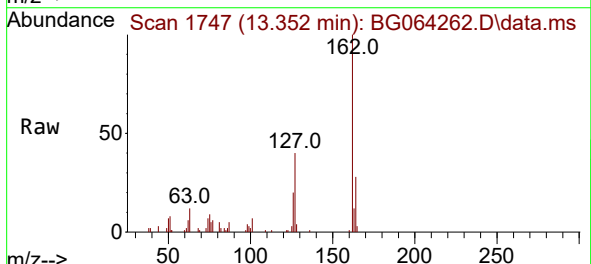
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

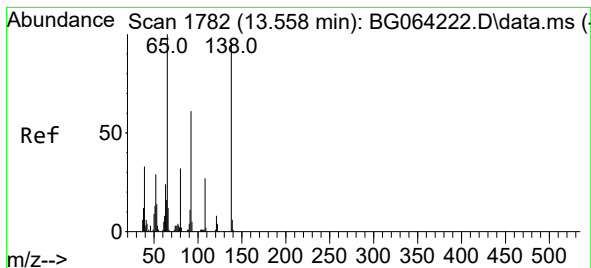
Tgt Ion:154 Resp: 36461
Ion Ratio Lower Upper
154 100
153 38.2 19.9 59.9
76 11.2 0.0 30.9



#47
2-Chloronaphthalene
Concen: 4.133 ng
RT: 13.352 min Scan# 1747
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:162 Resp: 26778
Ion Ratio Lower Upper
162 100
127 40.2 33.9 50.9
164 28.3 25.4 38.2





#48

2-Nitroaniline

Concen: 4.074 ng

RT: 13.558 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064262.D

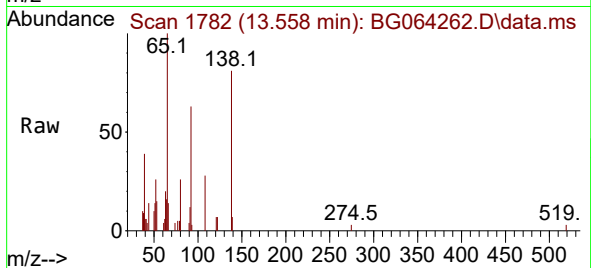
Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025



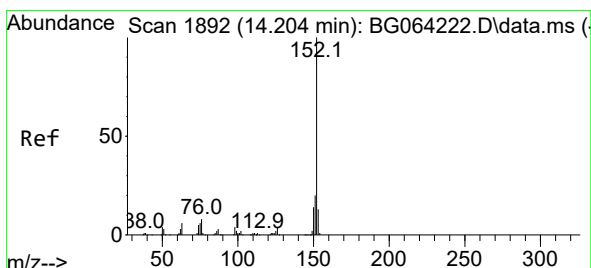
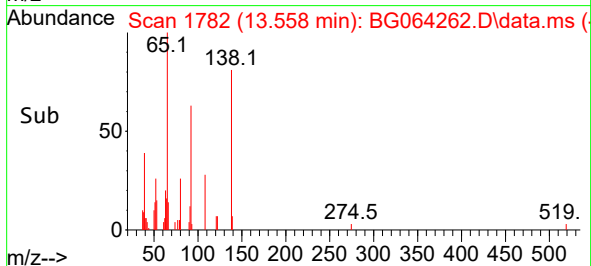
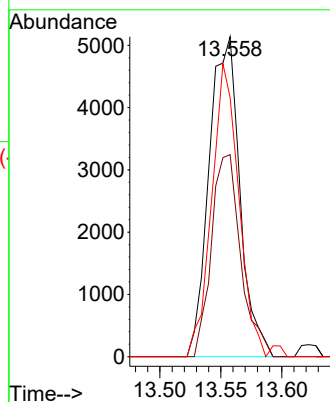
Tgt Ion: 65 Resp: 8997

Ion Ratio Lower Upper

65 100

92 63.2 49.2 73.8

138 81.0 76.8 115.2



#49

Acenaphthylene

Concen: 4.616 ng

RT: 14.198 min Scan# 1891

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

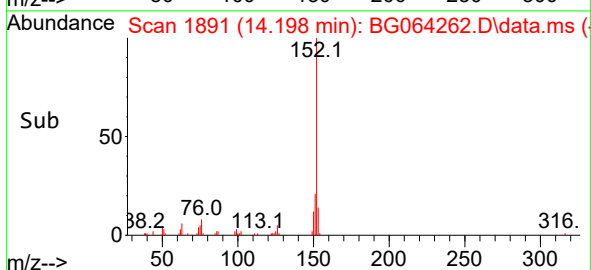
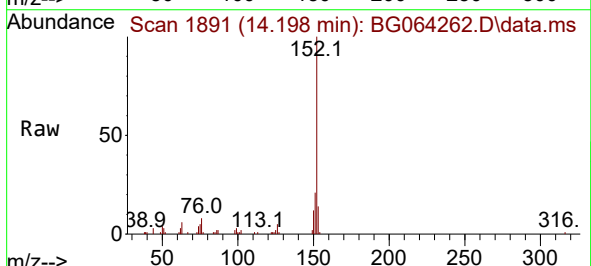
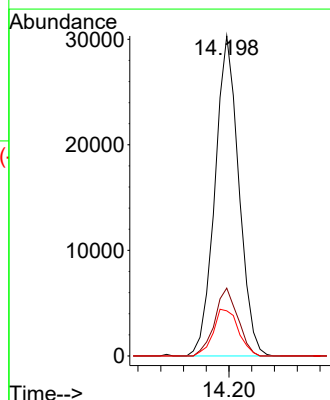
Tgt Ion:152 Resp: 44211

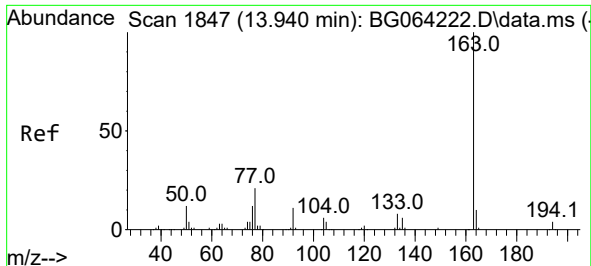
Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.2

153 14.1 10.1 15.1

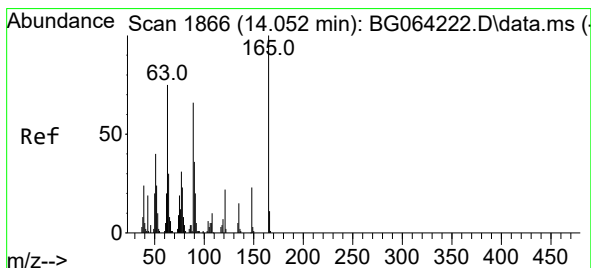
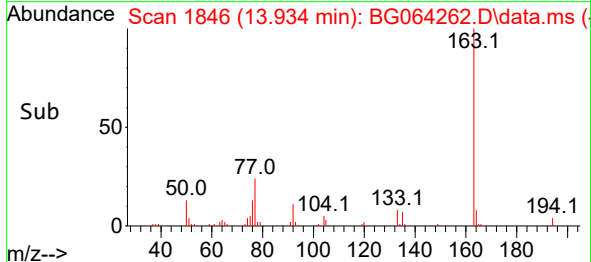
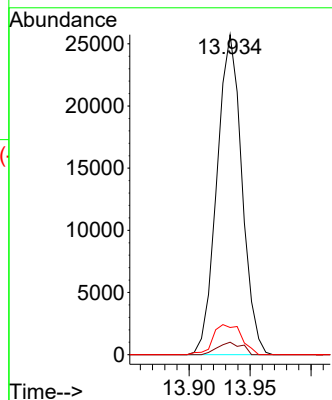
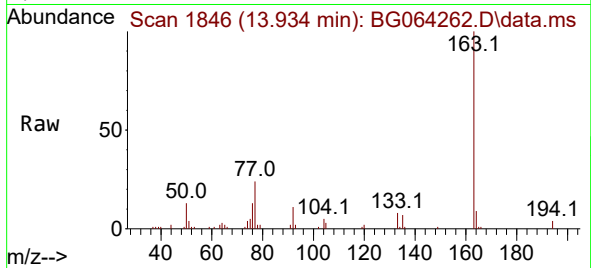




#50
Dimethylphthalate
Concen: 4.102 ng
RT: 13.934 min Scan# 1846
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

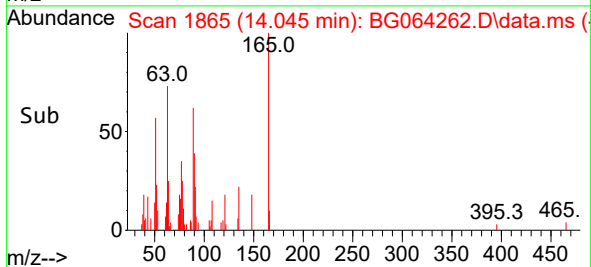
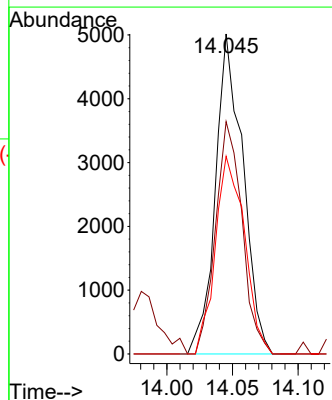
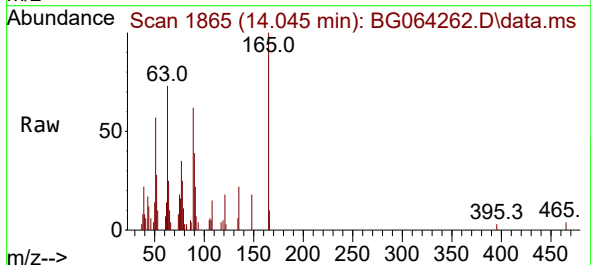
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

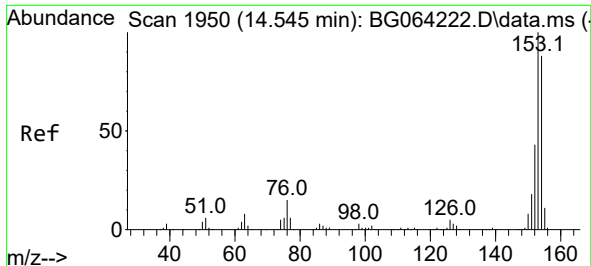
Tgt Ion:163 Resp: 36734
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 8.5 7.9 11.9



#51
2,6-Dinitrotoluene
Concen: 4.212 ng
RT: 14.045 min Scan# 1865
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:165 Resp: 7302
Ion Ratio Lower Upper
165 100
63 72.6 60.3 90.5
89 61.7 52.9 79.3

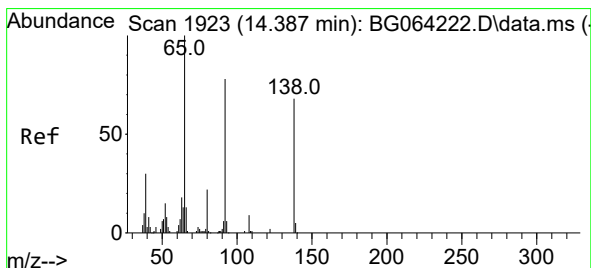
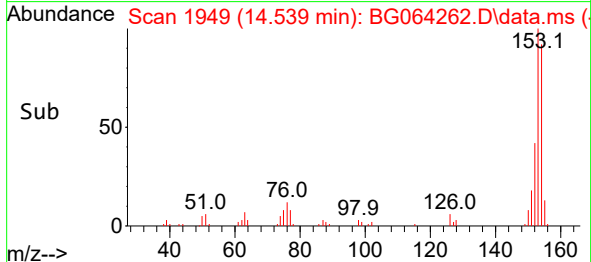
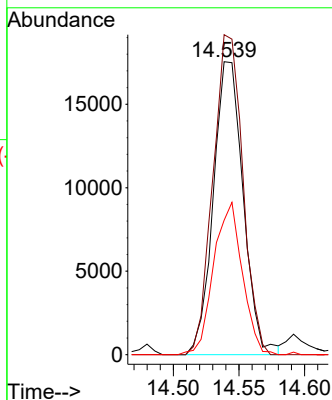
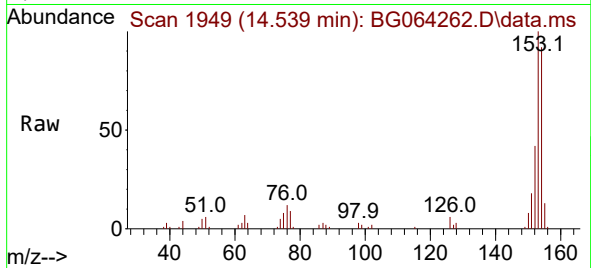




#52
Acenaphthene
Concen: 4.111 ng
RT: 14.539 min Scan# 1950
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

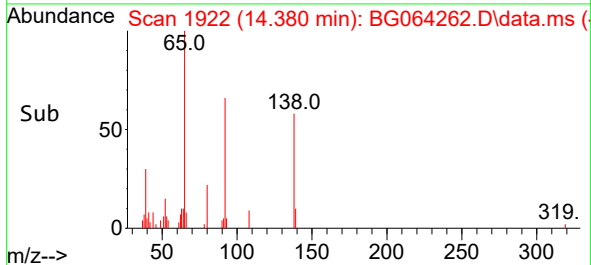
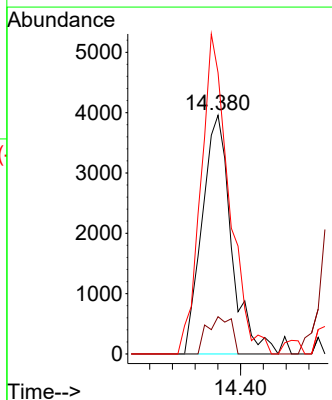
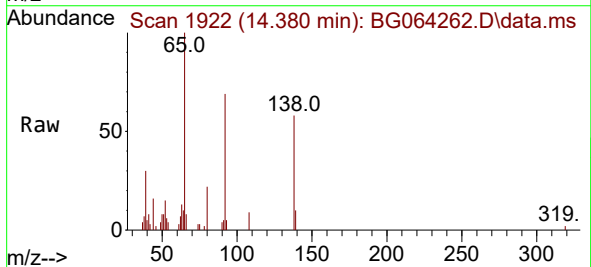
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

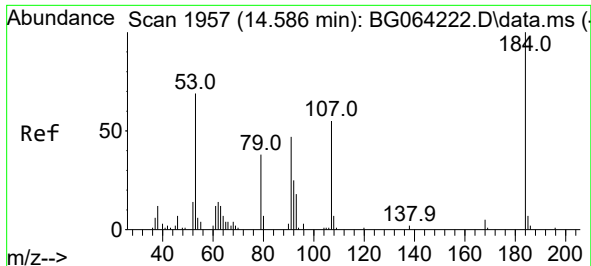
Tgt Ion:154 Resp: 27786
Ion Ratio Lower Upper
154 100
153 109.3 91.1 136.7
152 45.9 39.6 59.4



#53
3-Nitroaniline
Concen: 3.896 ng
RT: 14.380 min Scan# 1922
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:138 Resp: 7075
Ion Ratio Lower Upper
138 100
108 15.6 11.0 16.6
92 117.8 91.4 137.0

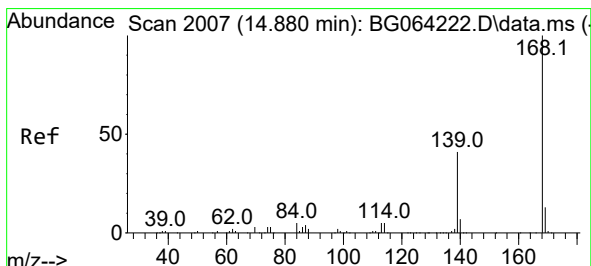
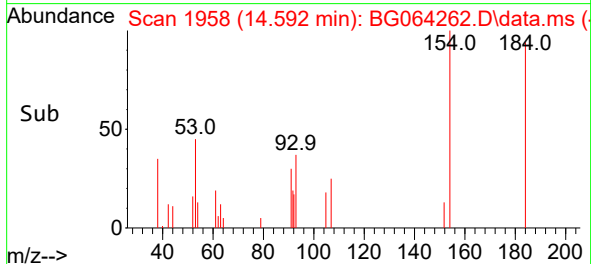
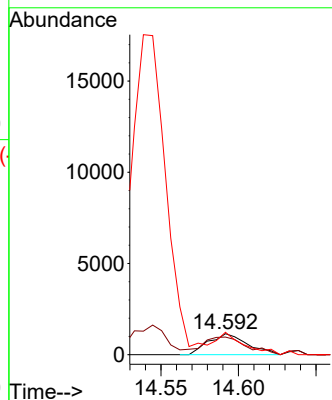
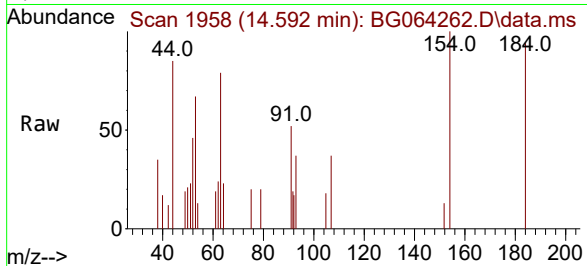




#54
2,4-Dinitrophenol
Concen: 7.288 ng
RT: 14.592 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

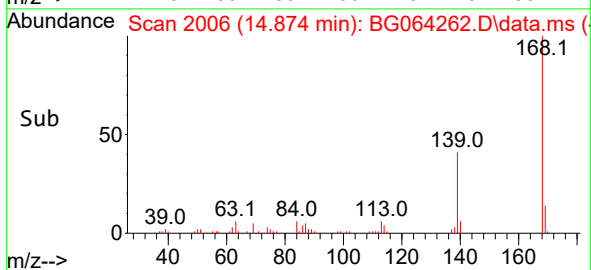
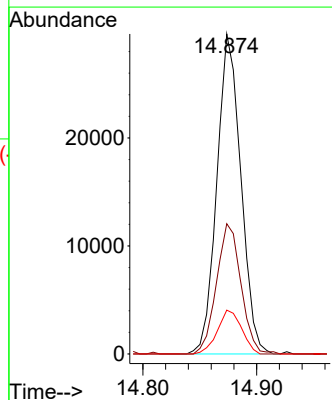
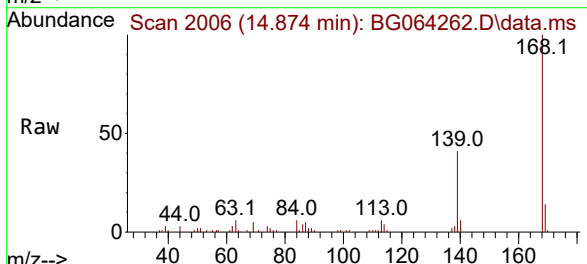
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

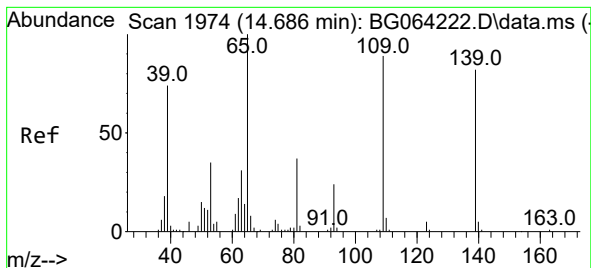
Tgt Ion:184 Resp: 1995
Ion Ratio Lower Upper
184 100
63 83.7 60.1 90.1
154 106.3 59.8 89.8#



#55
Dibenzofuran
Concen: 4.082 ng
RT: 14.874 min Scan# 2006
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:168 Resp: 43393
Ion Ratio Lower Upper
168 100
139 40.7 33.2 49.8
169 13.7 10.4 15.6





#56

4-Nitrophenol

Concen: 2.884 ng

RT: 14.692 min Scan# 1974

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

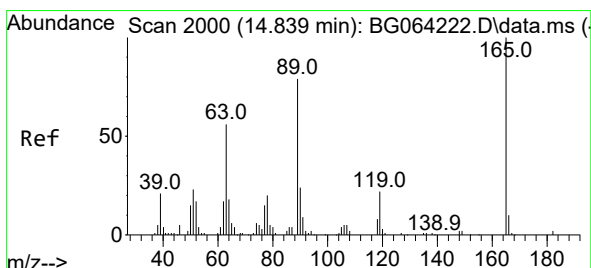
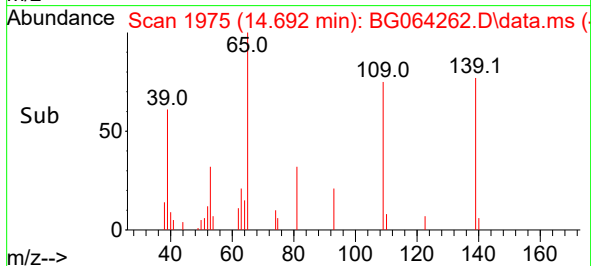
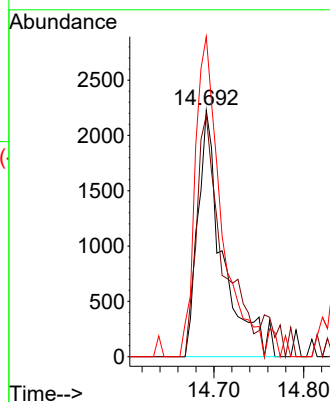
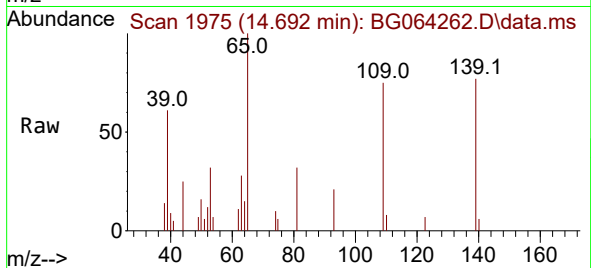
Tgt Ion:139 Resp: 4297

Ion Ratio Lower Upper

139 100

109 97.9 89.1 129.1

65 129.8 102.9 142.9



#57

2,4-Dinitrotoluene

Concen: 4.043 ng

RT: 14.838 min Scan# 2000

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Tgt Ion:165 Resp: 10598

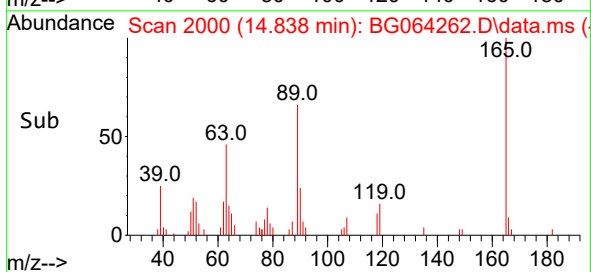
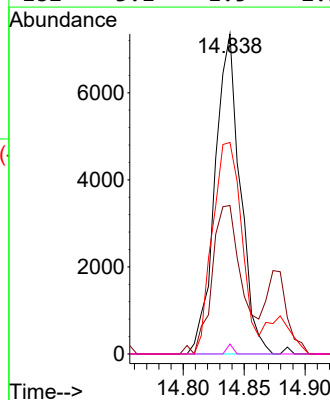
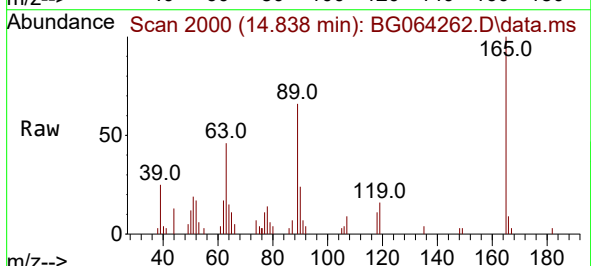
Ion Ratio Lower Upper

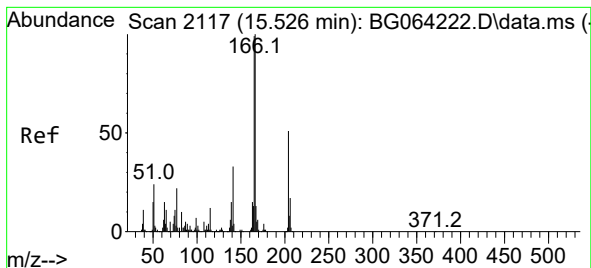
165 100

63 46.4 44.6 67.0

89 66.1 63.0 94.4

182 3.1 1.5 2.3#





#58

Fluorene

Concen: 4.134 ng

RT: 15.526 min Scan# 2117

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

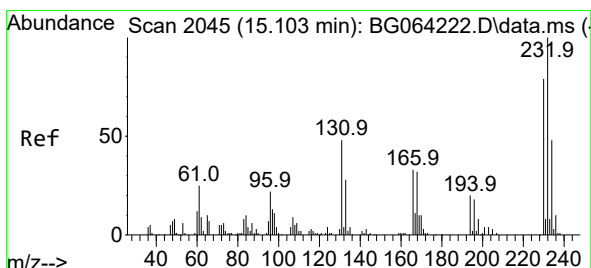
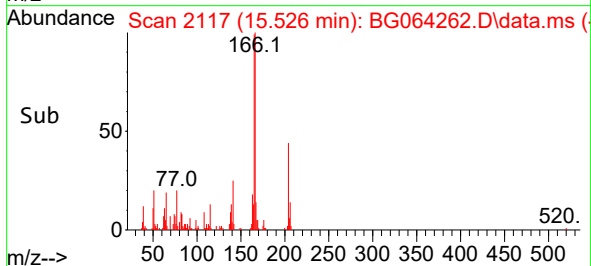
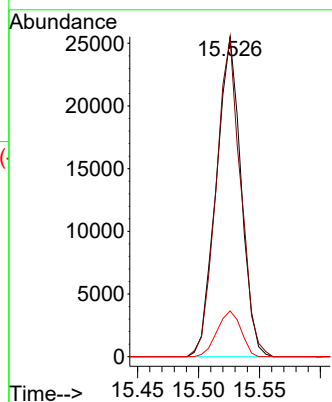
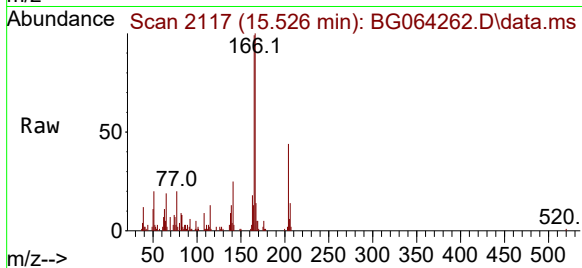
Tgt Ion:166 Resp: 36020

Ion Ratio Lower Upper

166 100

165 99.5 79.1 118.7

167 14.3 10.2 15.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.984 ng

RT: 15.103 min Scan# 2045

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Tgt Ion:232 Resp: 9485

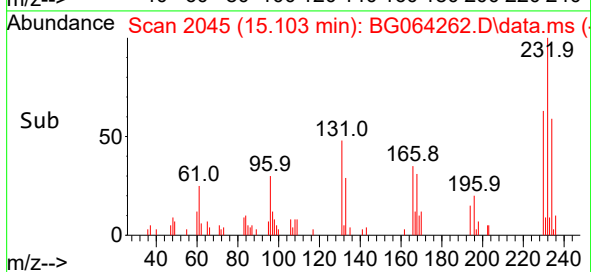
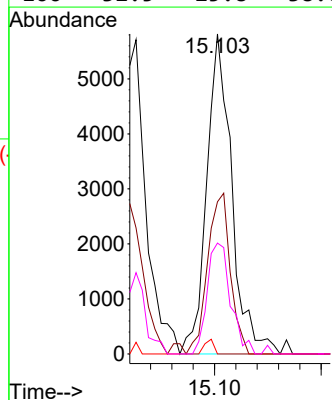
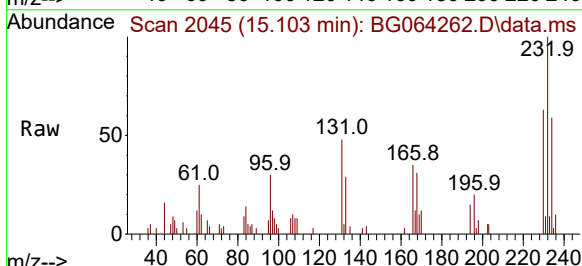
Ion Ratio Lower Upper

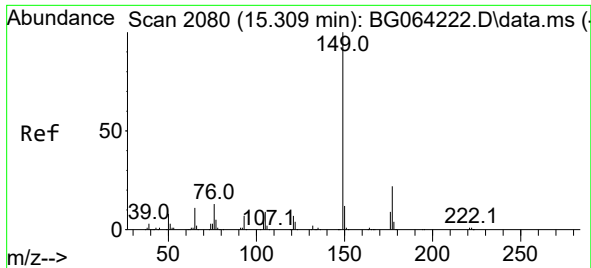
232 100

131 45.5 37.1 55.7

130 1.7 2.6 3.8#

166 32.5 25.8 38.6

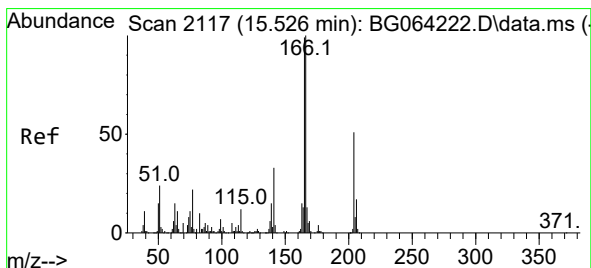
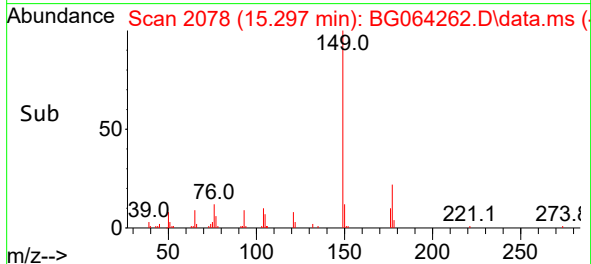
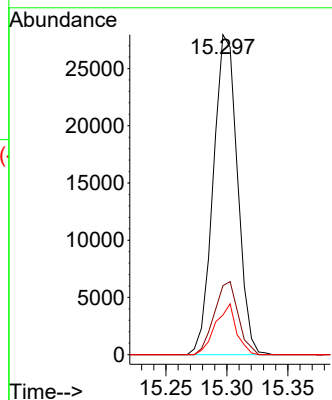
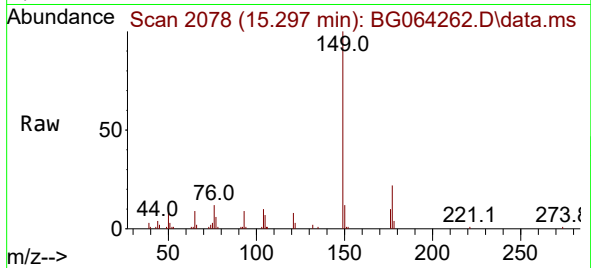




#60
Diethylphthalate
Concen: 4.024 ng
RT: 15.297 min Scan# 2080
Delta R.T. -0.018 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

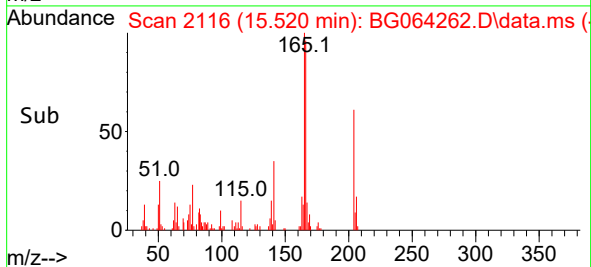
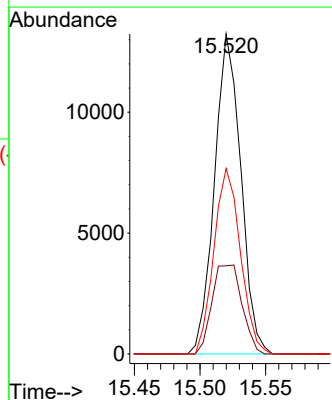
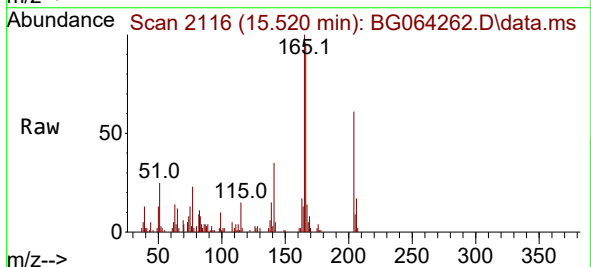
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

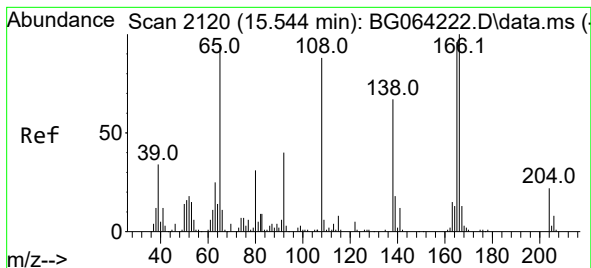
Tgt Ion:149 Resp: 38566
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.4 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 4.250 ng
RT: 15.520 min Scan# 2116
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:204 Resp: 18462
Ion Ratio Lower Upper
204 100
206 27.5 26.2 39.4
141 57.9 51.9 77.9

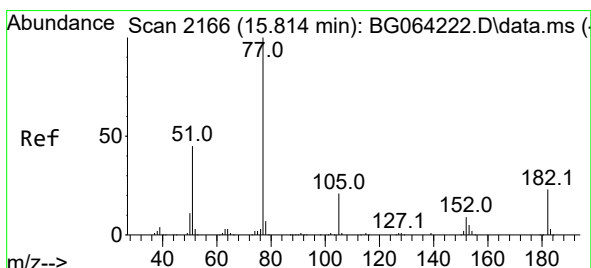
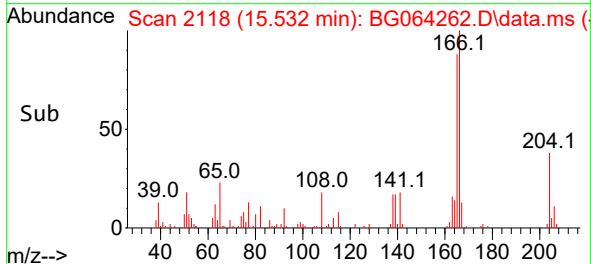
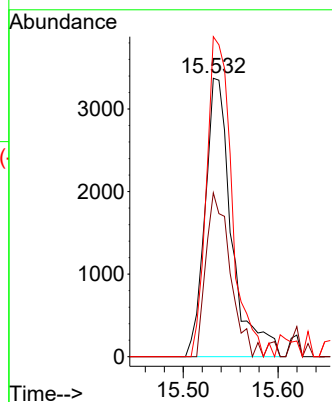
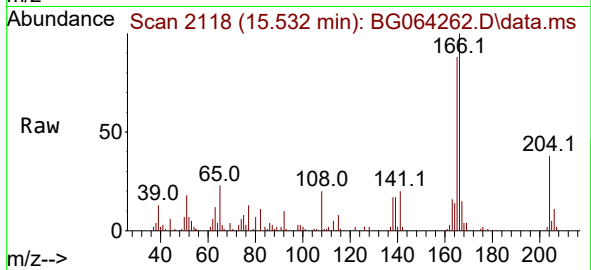




#62
4-Nitroaniline
Concen: 3.549 ng
RT: 15.532 min Scan# 2118
Delta R.T. -0.024 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

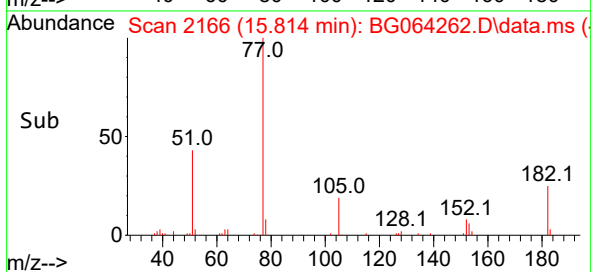
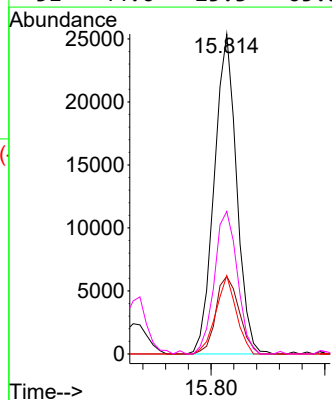
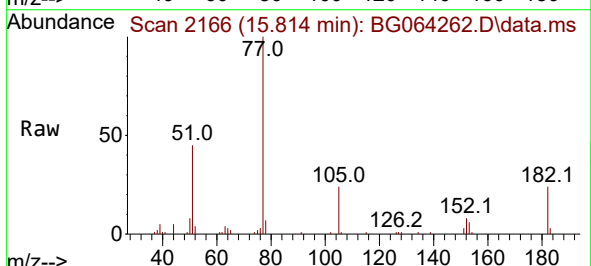
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

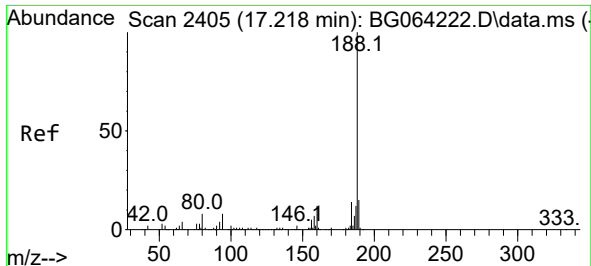
Tgt Ion:138 Resp: 6578
Ion Ratio Lower Upper
138 100
92 58.8 39.1 79.1
108 114.9 111.3 151.3



#63
Azobenzene
Concen: 4.050 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion: 77 Resp: 34601
Ion Ratio Lower Upper
77 100
182 24.3 3.3 43.3
105 24.5 0.6 40.6
51 44.6 25.3 65.3

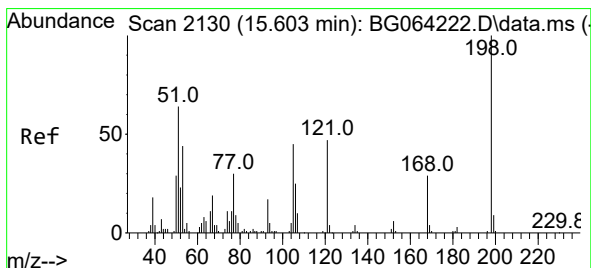
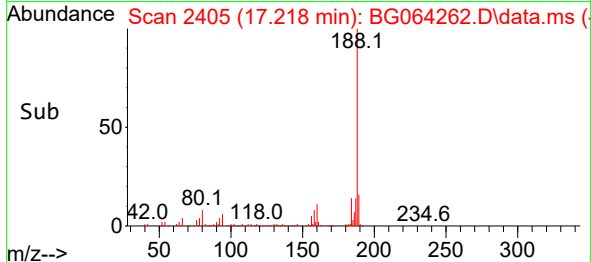
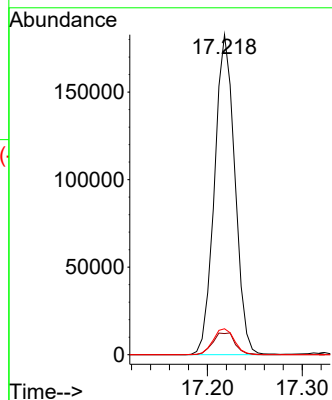
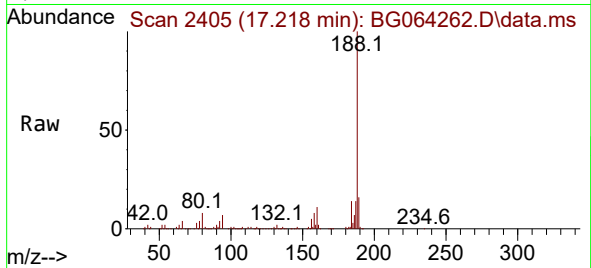




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

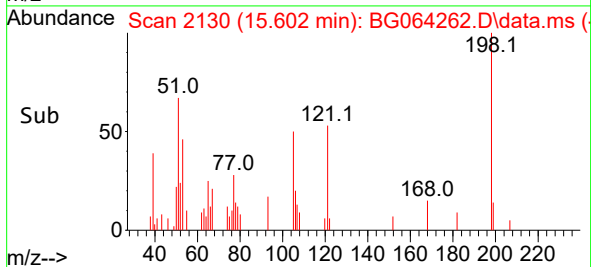
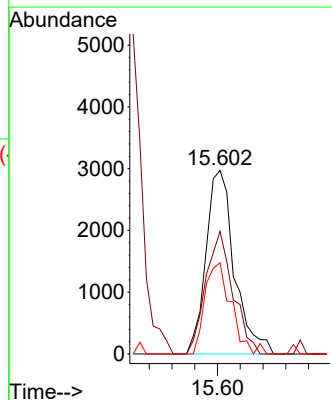
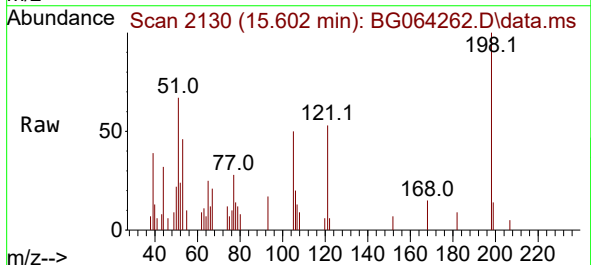
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

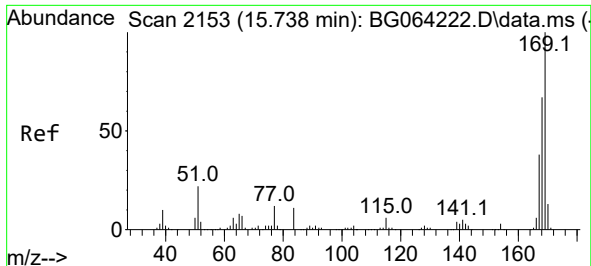
Tgt Ion:188 Resp: 272374
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.4
80 8.1 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 3.298 ng
RT: 15.602 min Scan# 2130
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:198 Resp: 5157
Ion Ratio Lower Upper
198 100
51 66.7 46.2 86.2
105 49.7 25.0 65.0

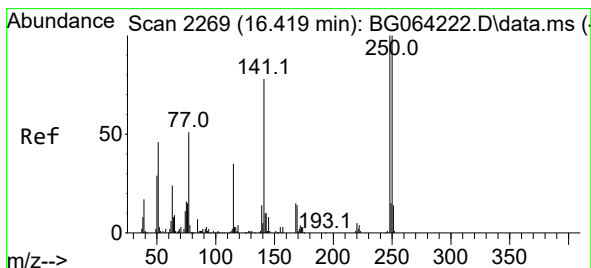
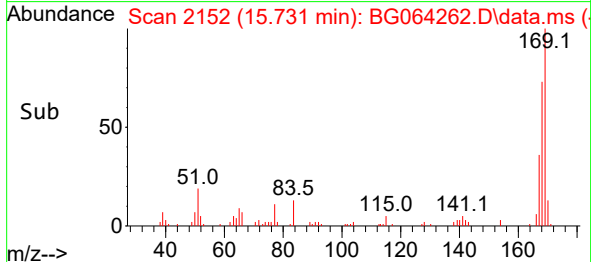
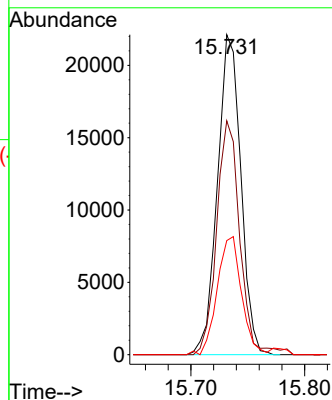
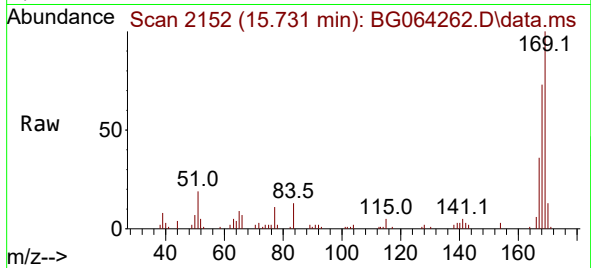




#66
n-Nitrosodiphenylamine
Concen: 4.216 ng
RT: 15.731 min Scan# 2153
Delta R.T. -0.013 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

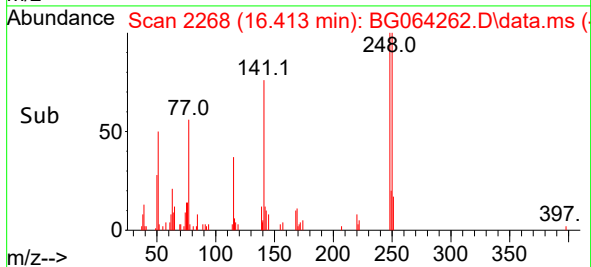
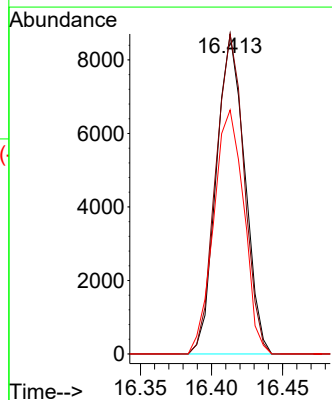
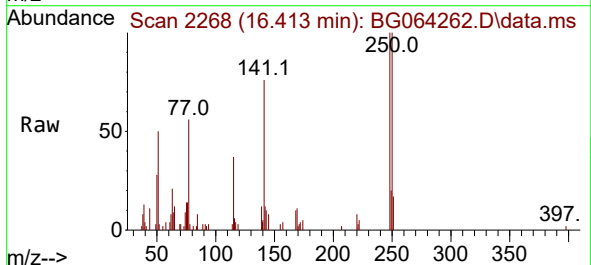
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

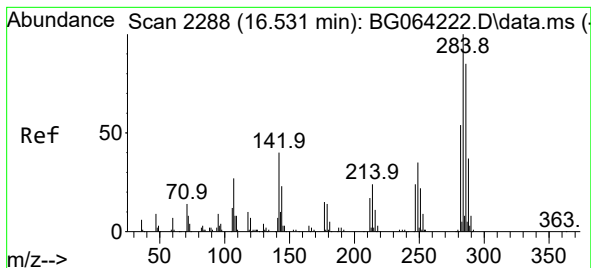
Tgt Ion:169 Resp: 31591
Ion Ratio Lower Upper
169 100
168 73.1 53.8 80.8
167 35.7 30.2 45.2



#67
4-Bromophenyl-phenylether
Concen: 4.176 ng
RT: 16.413 min Scan# 2268
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:248 Resp: 12082
Ion Ratio Lower Upper
248 100
250 100.0 80.2 120.4
141 76.3 62.4 93.6





#68

Hexachlorobenzene

Concen: 4.259 ng

RT: 16.531 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

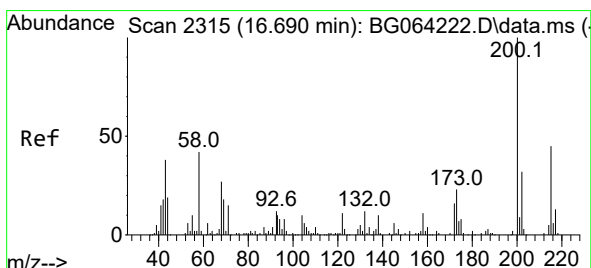
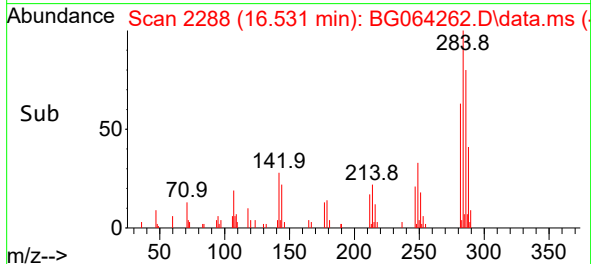
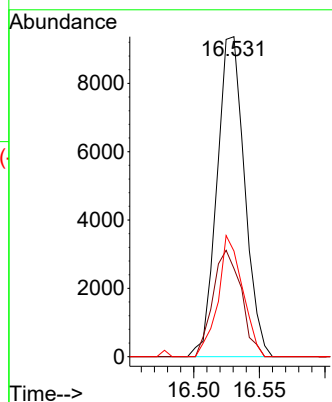
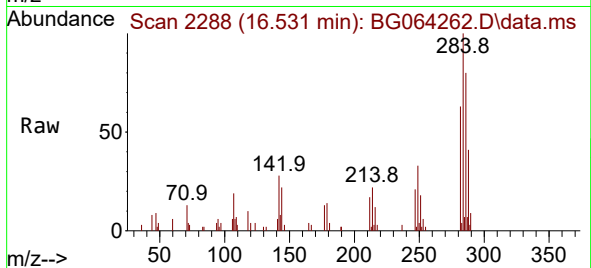
Tgt Ion:284 Resp: 13683

Ion Ratio Lower Upper

284 100

142 27.6 32.1 48.1#

249 33.0 28.3 42.5



#69

Atrazine

Concen: 4.178 ng

RT: 16.677 min Scan# 2313

Delta R.T. -0.018 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

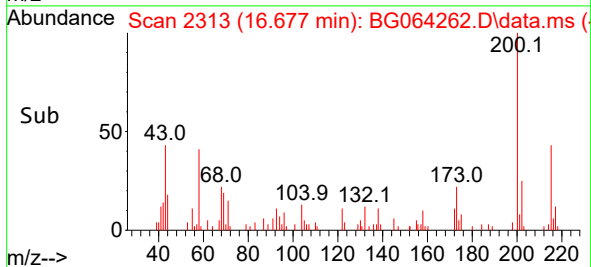
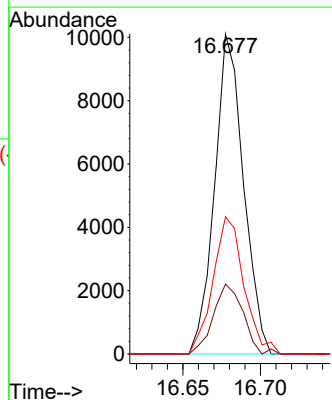
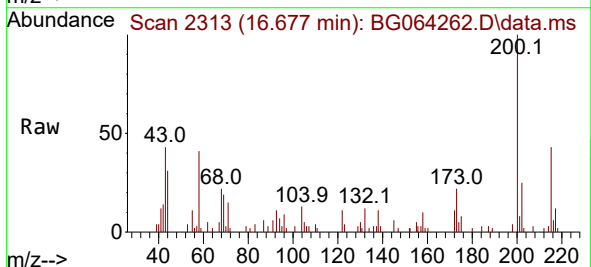
Tgt Ion:200 Resp: 13070

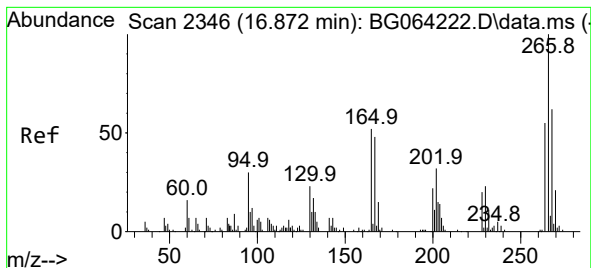
Ion Ratio Lower Upper

200 100

173 21.9 3.5 43.5

215 42.8 24.8 64.8





#70

Pentachlorophenol

Concen: 3.554 ng

RT: 16.877 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG064262.D

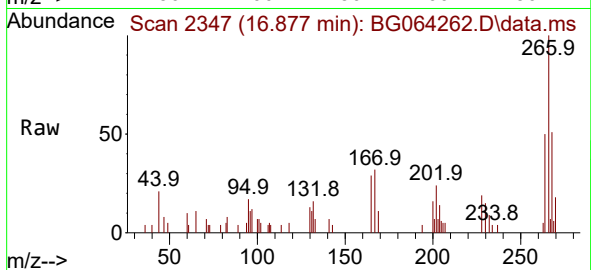
Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025



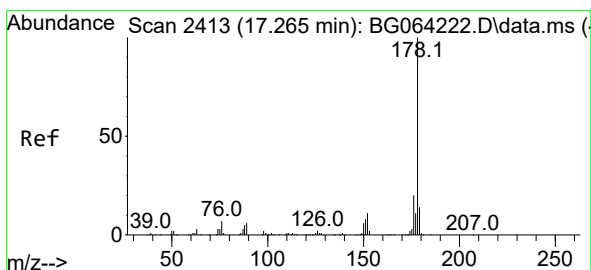
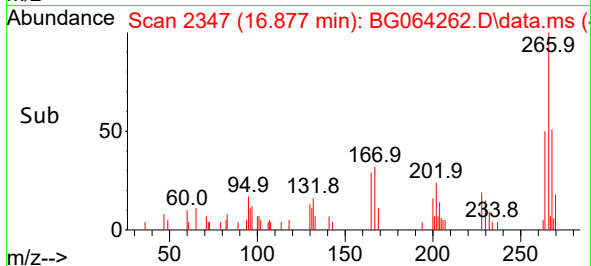
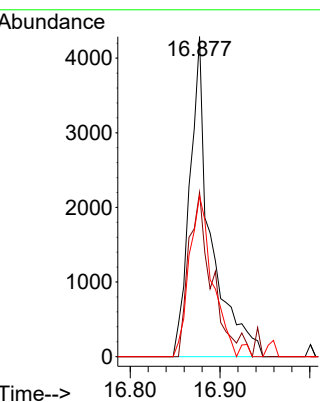
Tgt Ion:266 Resp: 6923

Ion Ratio Lower Upper

266 100

268 51.3 49.4 74.0

264 50.2 44.3 66.5



#71

Phenanthrene

Concen: 4.309 ng

RT: 17.259 min Scan# 2412

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

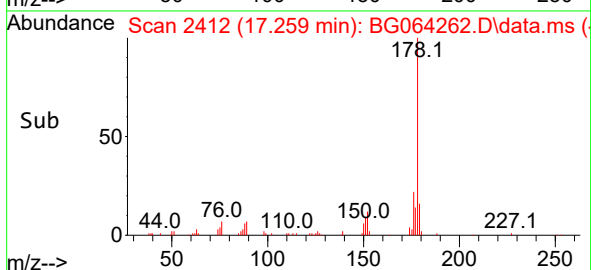
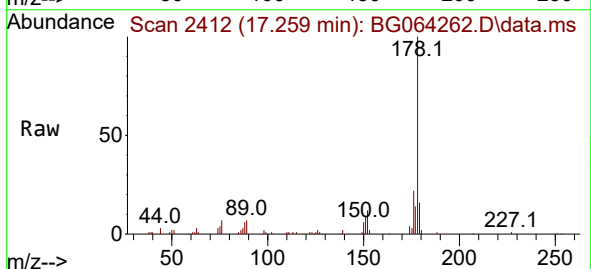
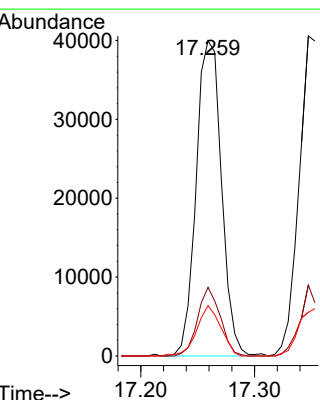
Tgt Ion:178 Resp: 61903

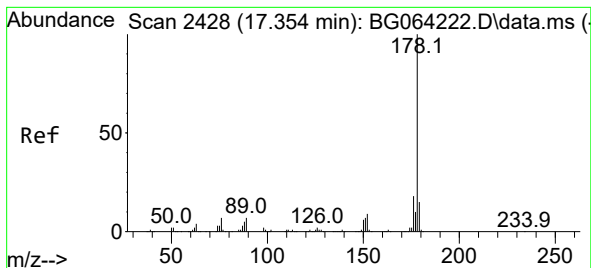
Ion Ratio Lower Upper

178 100

176 21.8 15.9 23.9

179 15.9 11.4 17.2





#72

Anthracene

Concen: 4.236 ng

RT: 17.259 min Scan# 2412

Delta R.T. -0.101 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

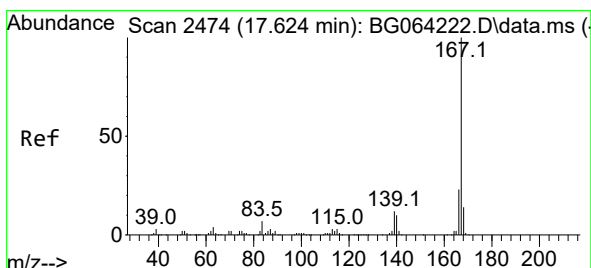
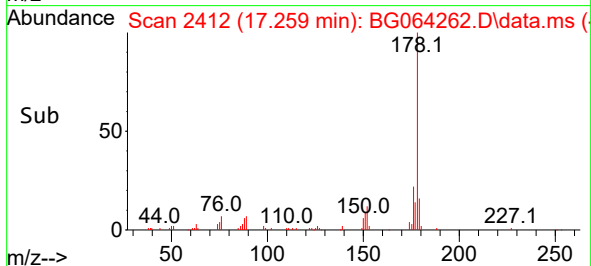
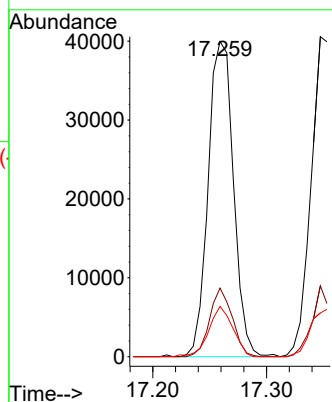
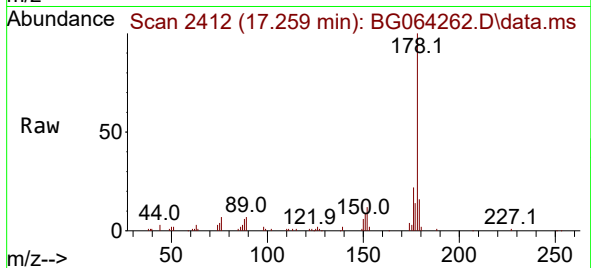
Tgt Ion:178 Resp: 61903

Ion Ratio Lower Upper

178 100

176 21.8 14.7 22.1

179 15.9 12.1 18.1



#73

Carbazole

Concen: 4.167 ng

RT: 17.623 min Scan# 2474

Delta R.T. -0.001 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

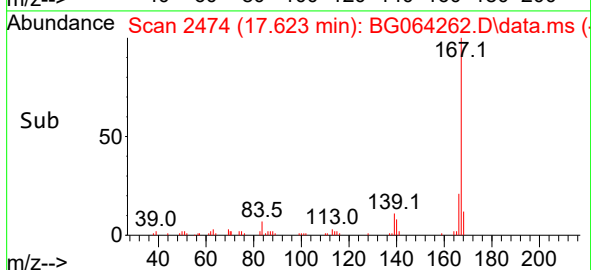
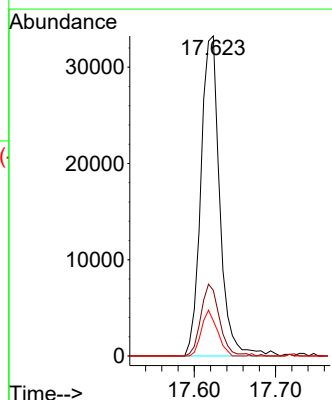
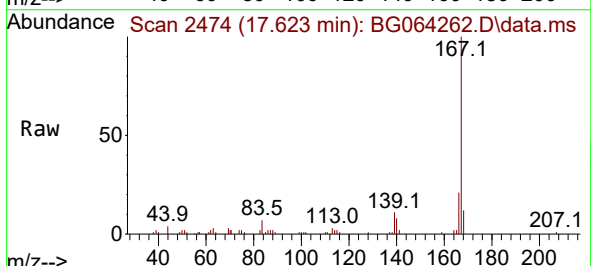
Tgt Ion:167 Resp: 53649

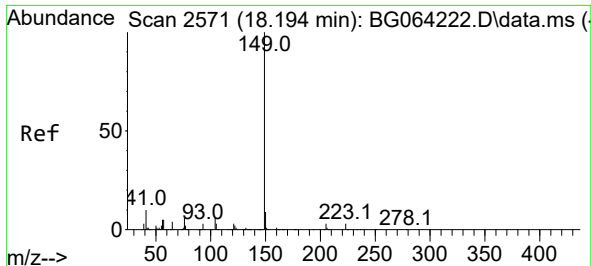
Ion Ratio Lower Upper

167 100

166 20.5 18.2 27.2

139 11.0 9.8 14.6

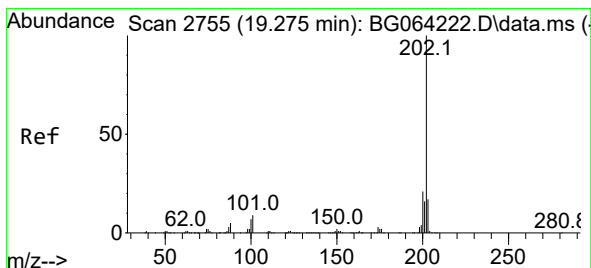
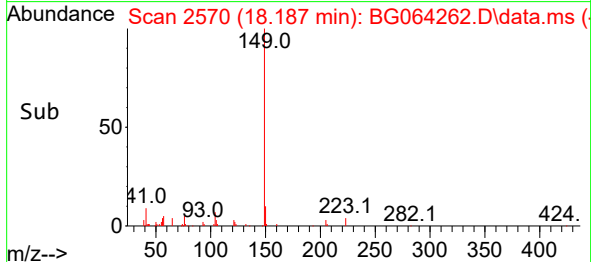
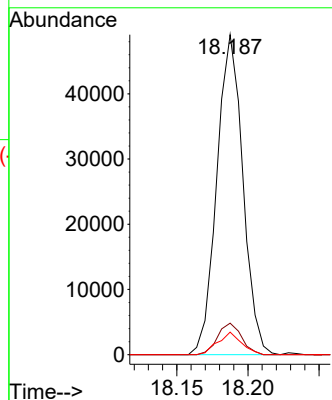
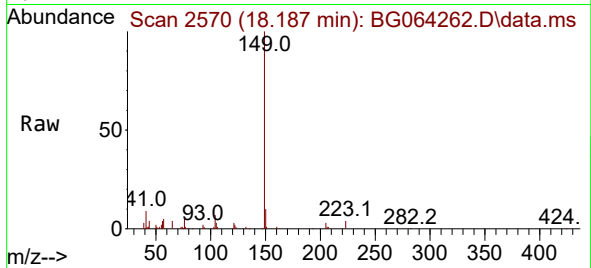




#74
Di-n-butylphthalate
Concen: 4.040 ng
RT: 18.187 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

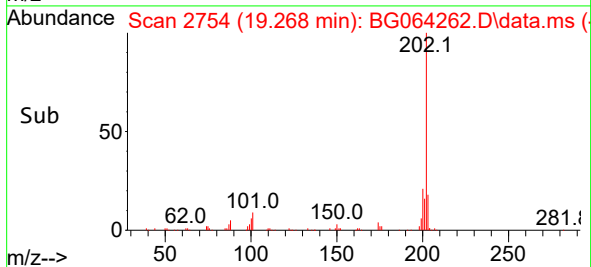
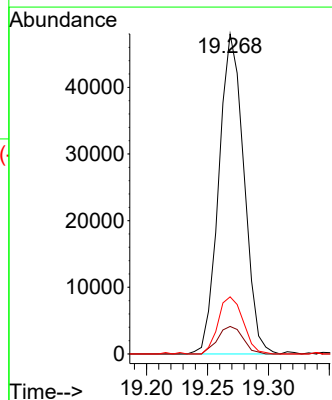
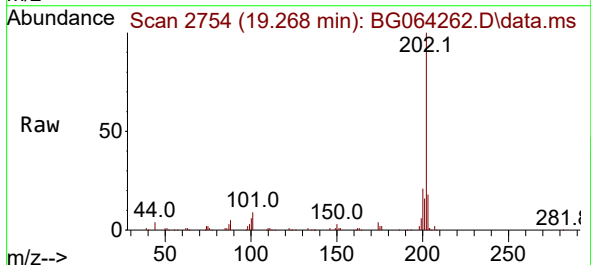
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2025

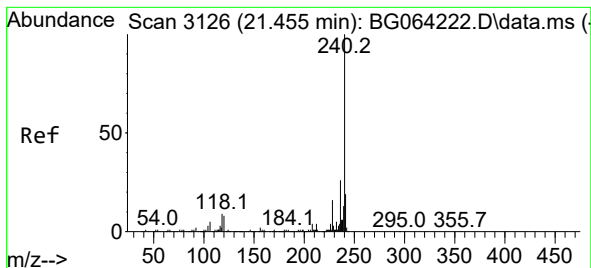
Tgt Ion:149 Resp: 62491
Ion Ratio Lower Upper
149 100
150 9.9 7.5 11.3
104 7.0 4.6 7.0#



#75
Fluoranthene
Concen: 4.078 ng
RT: 19.268 min Scan# 2754
Delta R.T. -0.007 min
Lab File: BG064262.D
Acq: 3 Sep 2025 20:34

Tgt Ion:202 Resp: 68891
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.7
203 17.8 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.448 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

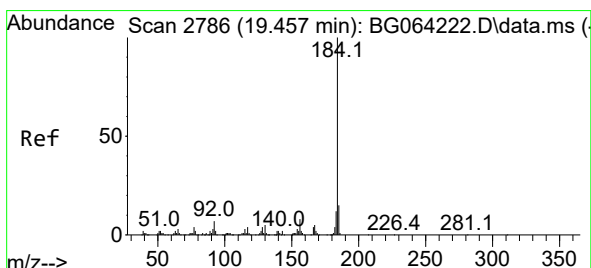
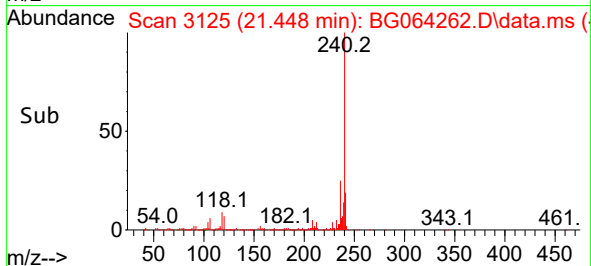
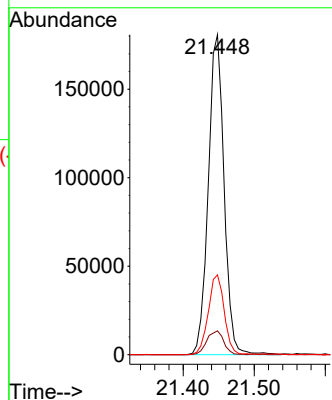
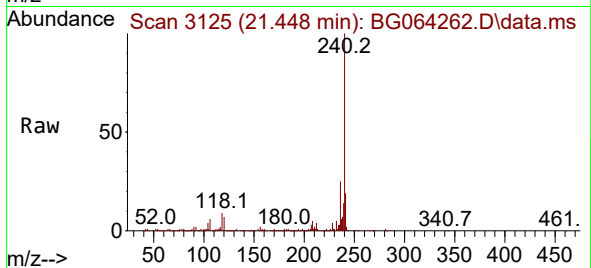
Tgt Ion:240 Resp: 279469

Ion Ratio Lower Upper

240 100

120 7.4 6.2 9.4

236 25.0 20.5 30.7



#77

Benzidine

Concen: 4.656 ng

RT: 19.456 min Scan# 2786

Delta R.T. -0.001 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

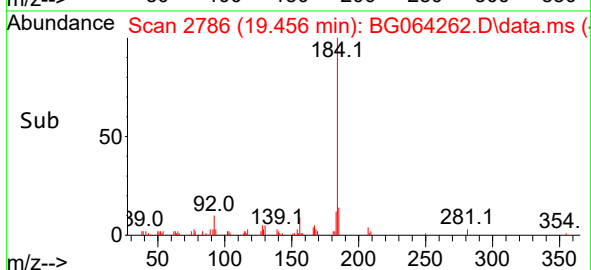
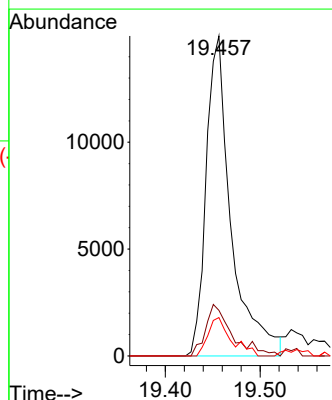
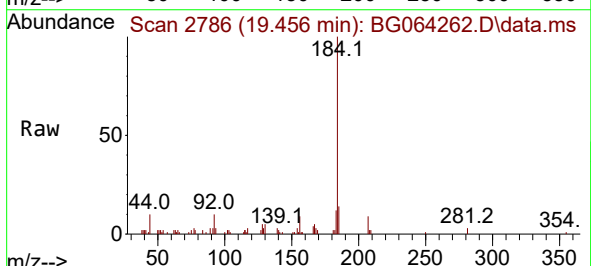
Tgt Ion:184 Resp: 27372

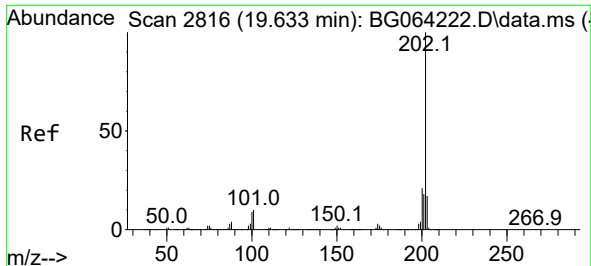
Ion Ratio Lower Upper

184 100

185 14.2 11.7 17.5

183 12.0 9.7 14.5

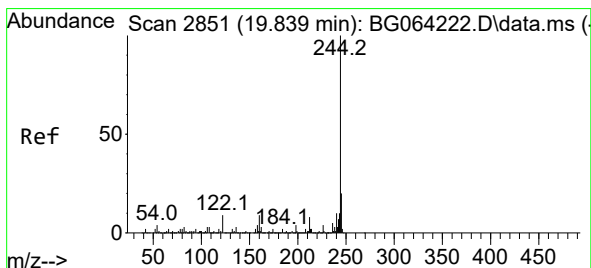
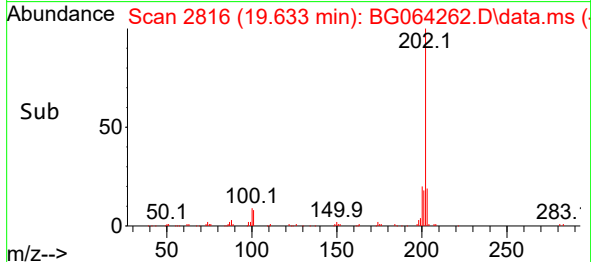
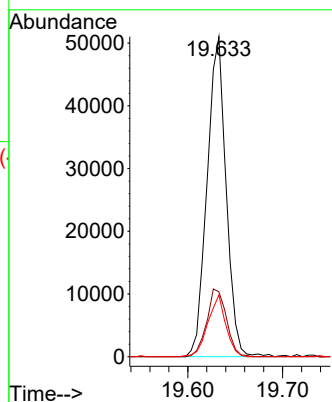
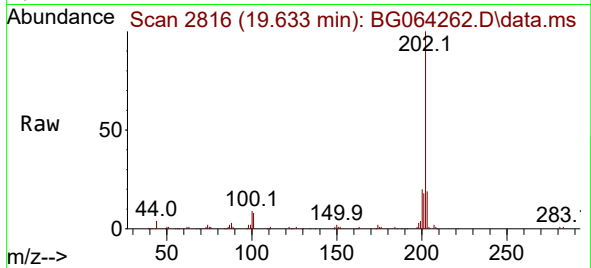




#78
 Pyrene
 Concen: 4.035 ng
 RT: 19.633 min Scan# 2816
 Delta R.T. -0.007 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

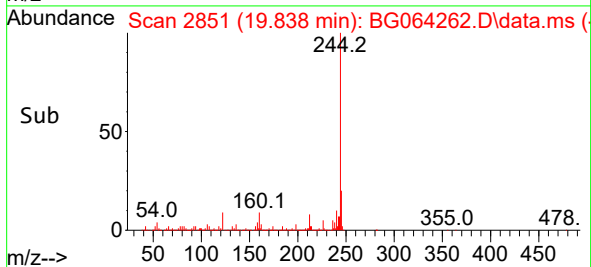
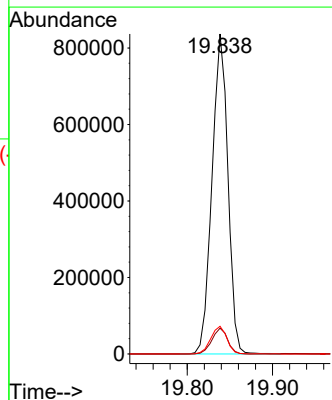
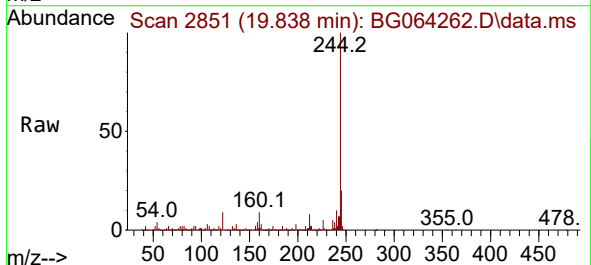
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

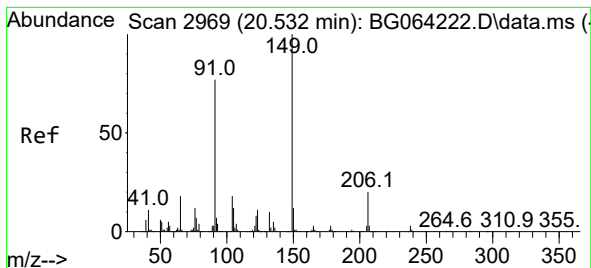
Tgt Ion:	202	Resp:	71051
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.9	25.3
203	19.3	13.8	20.8



#79
 Terphenyl-d14
 Concen: 80.852 ng
 RT: 19.838 min Scan# 2851
 Delta R.T. -0.007 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

Tgt Ion:	244	Resp:	1083026
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.6	10.0
122	8.7	7.0	10.6





#80

Butylbenzylphthalate

Concen: 4.263 ng

RT: 20.526 min Scan# 2968

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

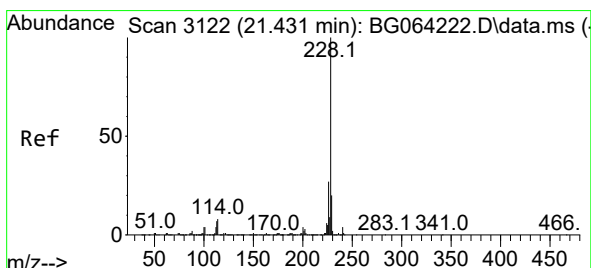
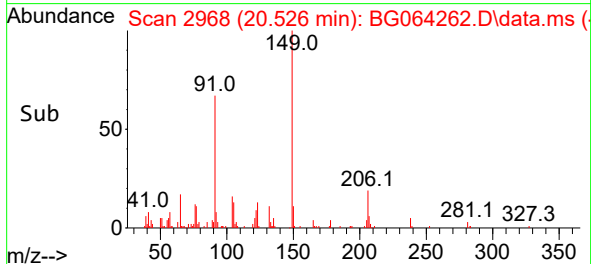
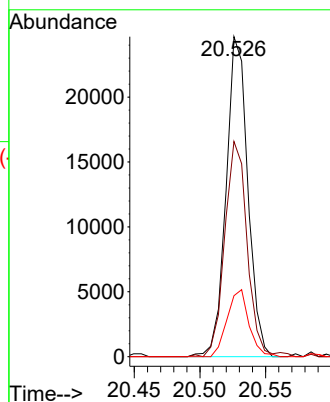
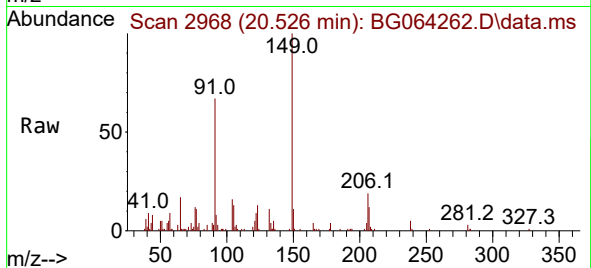
Tgt Ion:149 Resp: 28307

Ion Ratio Lower Upper

149 100

91 67.2 61.4 92.0

206 19.0 15.8 23.6



#81

Benzo(a)anthracene

Concen: 4.188 ng

RT: 21.431 min Scan# 3122

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

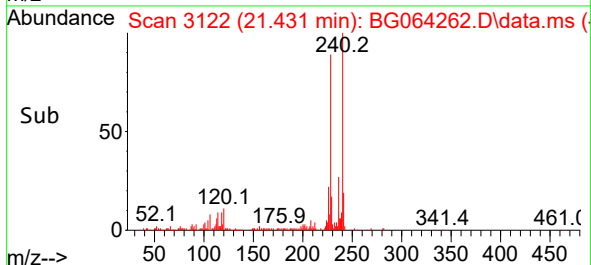
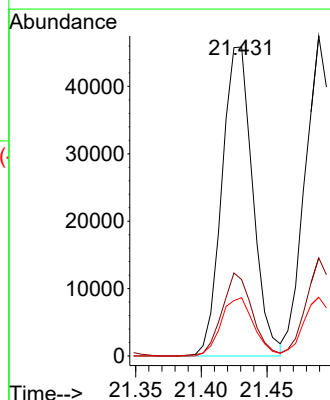
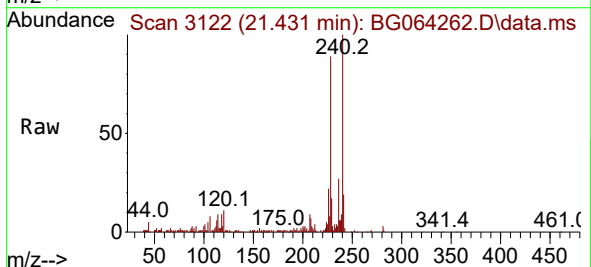
Tgt Ion:228 Resp: 74882

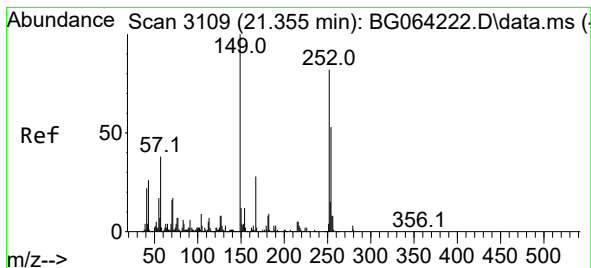
Ion Ratio Lower Upper

228 100

226 24.7 21.7 32.5

229 18.8 15.9 23.9





#82

3,3'-Dichlorobenzidine

Concen: 4.578 ng

RT: 21.354 min Scan# 3109

Delta R.T. -0.007 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

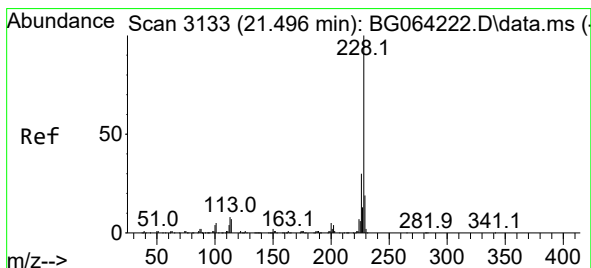
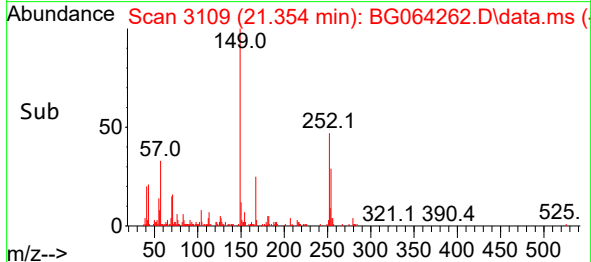
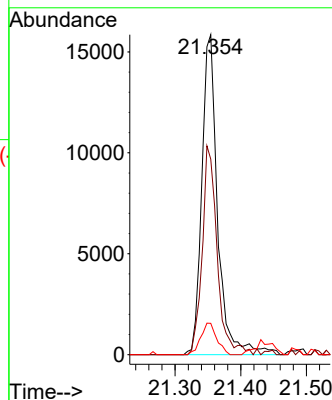
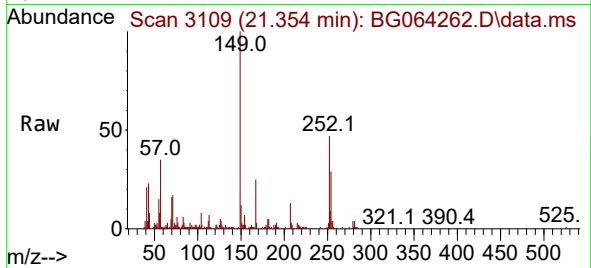
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion:	252	Resp:	26656
Ion Ratio	Lower	Upper	
252	100		
254	61.1	51.9	77.9
126	9.8	7.6	11.4



#83

Chrysene

Concen: 4.132 ng

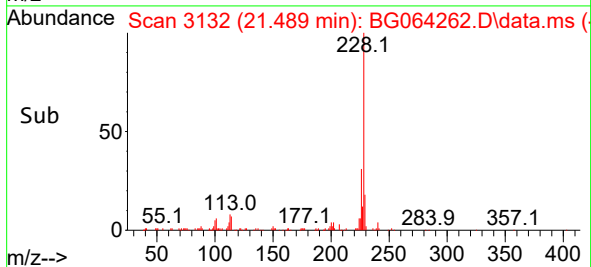
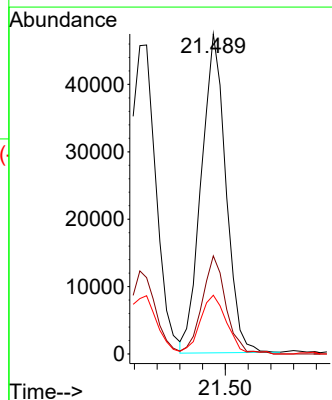
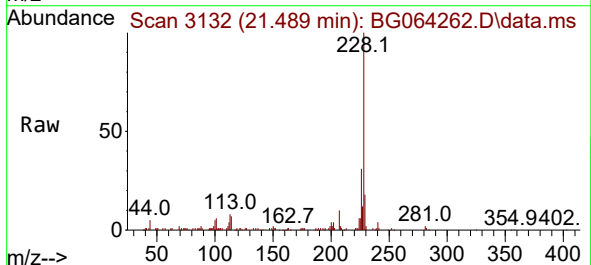
RT: 21.489 min Scan# 3132

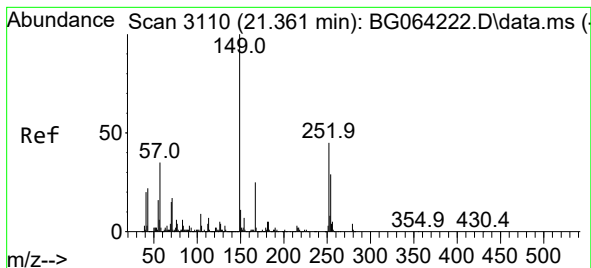
Delta R.T. -0.013 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Tgt Ion:	228	Resp:	70919
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.2	36.2
229	18.4	15.4	23.2

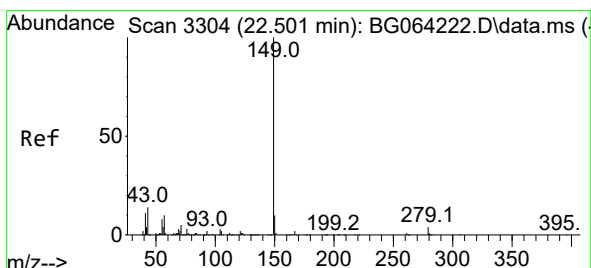
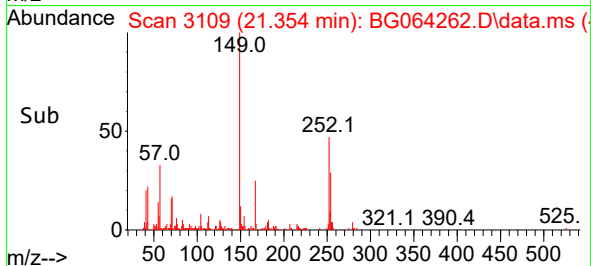
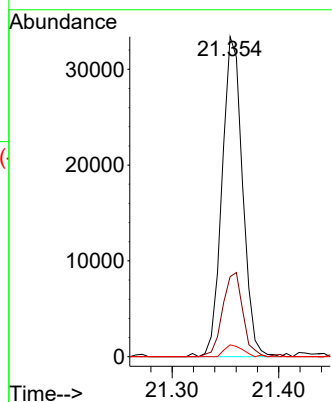
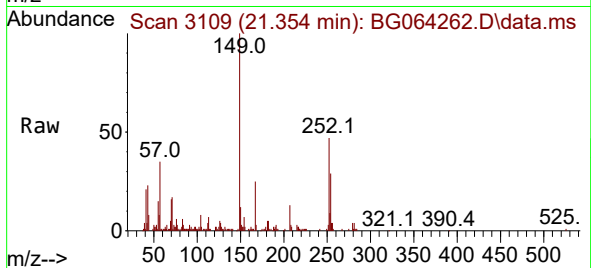




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.463 ng
 RT: 21.354 min Scan# 3110
 Delta R.T. -0.013 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

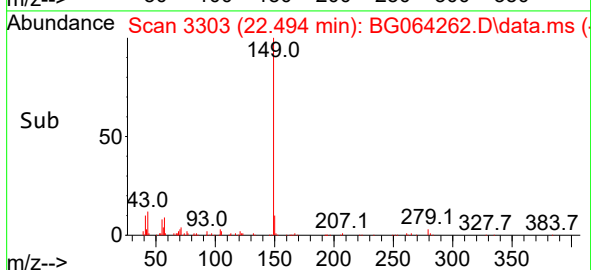
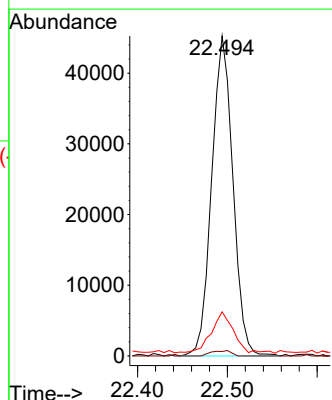
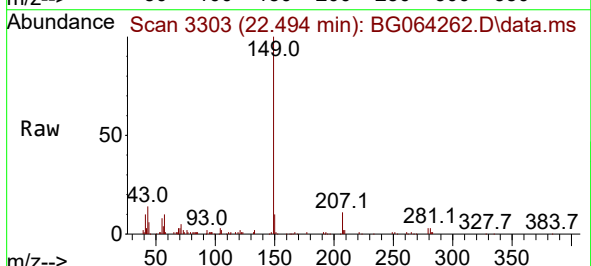
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

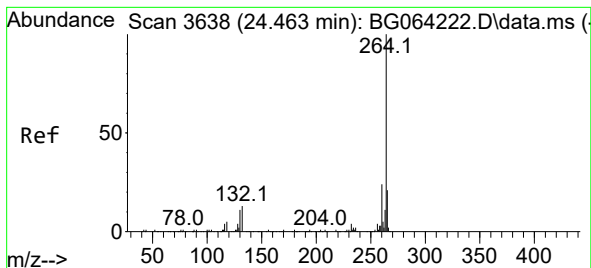
Tgt Ion:149 Resp: 44498
 Ion Ratio Lower Upper
 149 100
 167 25.0 20.0 30.0
 279 3.7 3.0 4.4



#85
 Di-n-octyl phthalate
 Concen: 4.274 ng
 RT: 22.494 min Scan# 3303
 Delta R.T. -0.013 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

Tgt Ion:149 Resp: 74241
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 13.8 10.8 16.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.451 min Scan# 3

Delta R.T. -0.013 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

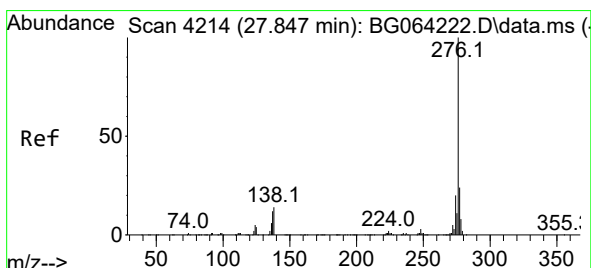
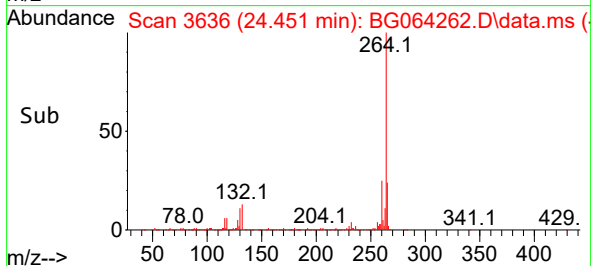
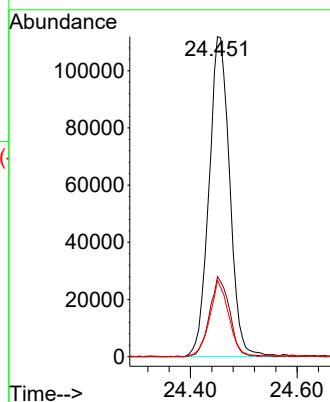
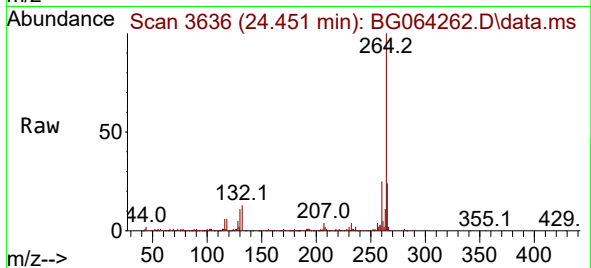
Tgt Ion:264 Resp: 301974

Ion Ratio Lower Upper

264 100

260 25.0 18.9 28.3

265 23.9 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.029 ng

RT: 27.835 min Scan# 4212

Delta R.T. -0.036 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

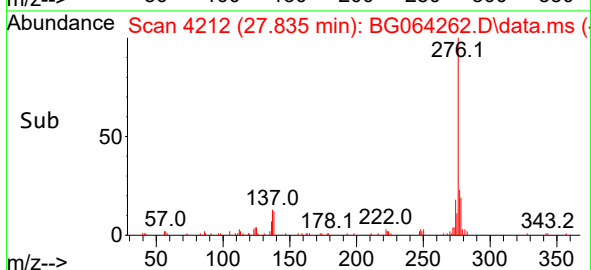
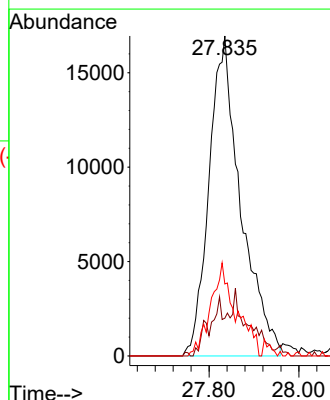
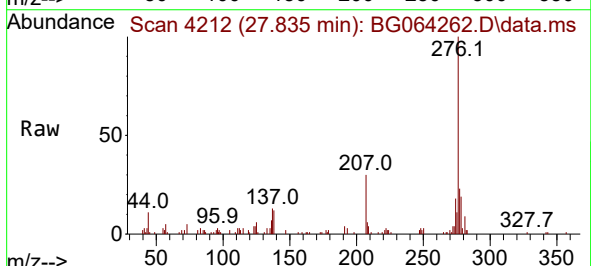
Tgt Ion:276 Resp: 83086

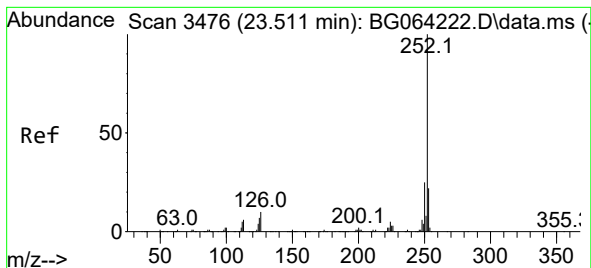
Ion Ratio Lower Upper

276 100

138 5.5 7.4 11.0#

277 17.7 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 4.020 ng

RT: 23.499 min Scan# 3474

Delta R.T. -0.018 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

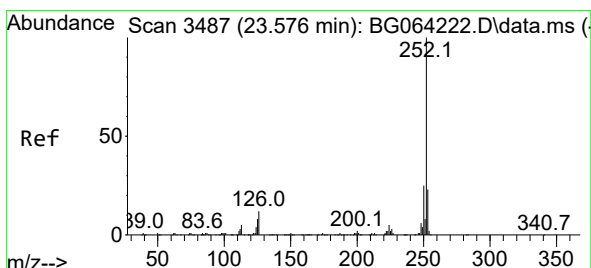
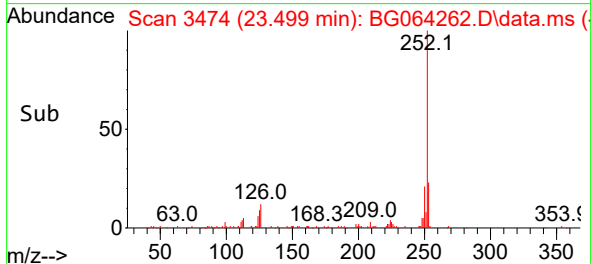
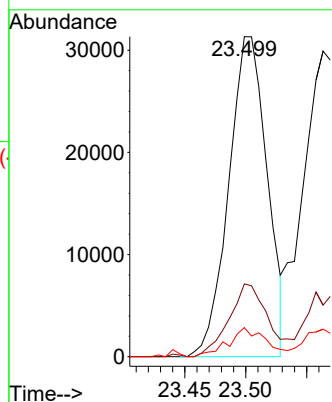
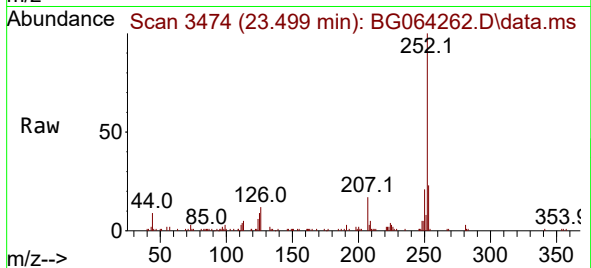
Tgt Ion:252 Resp: 68520

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.1 5.9 8.9#



#89

Benzo(k)fluoranthene

Concen: 3.946 ng

RT: 23.499 min Scan# 3474

Delta R.T. -0.089 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

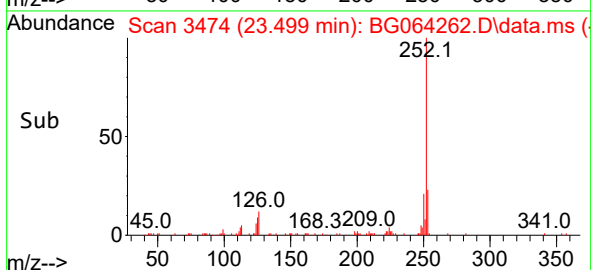
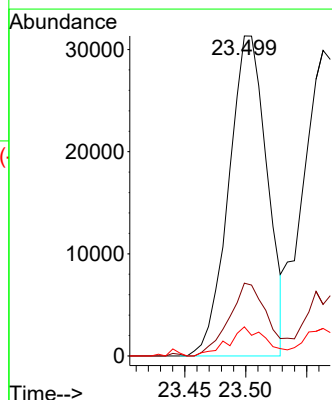
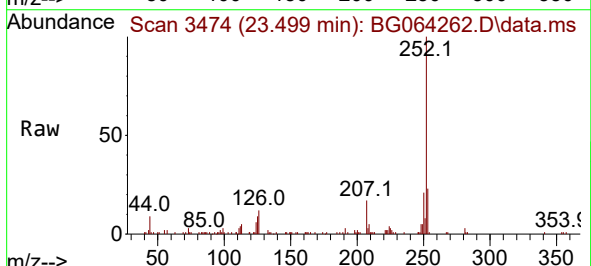
Tgt Ion:252 Resp: 68520

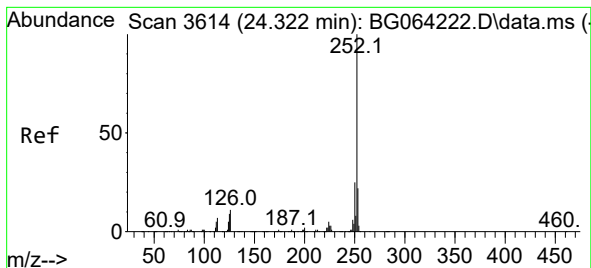
Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

125 9.1 7.0 10.4





#90

Benzo(a)pyrene

Concen: 4.318 ng

RT: 24.310 min Scan# 3

Delta R.T. -0.018 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2025

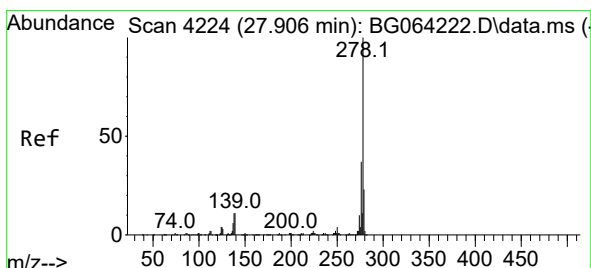
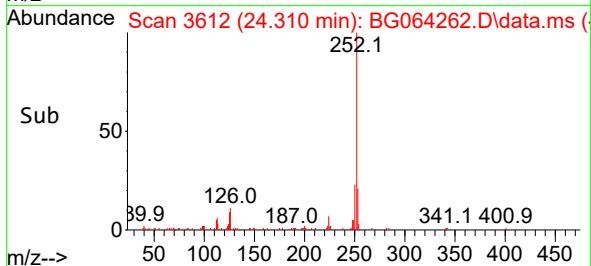
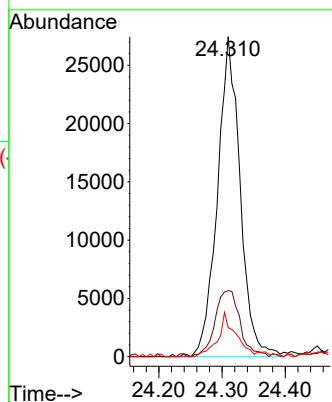
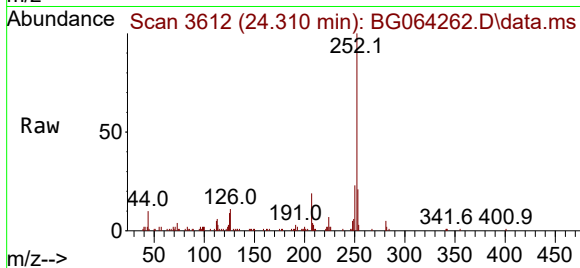
Tgt Ion:252 Resp: 68451

Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.2

125 9.1 7.0 10.6



#91

Dibenzo(a,h)anthracene

Concen: 4.055 ng

RT: 27.882 min Scan# 4220

Delta R.T. -0.042 min

Lab File: BG064262.D

Acq: 3 Sep 2025 20:34

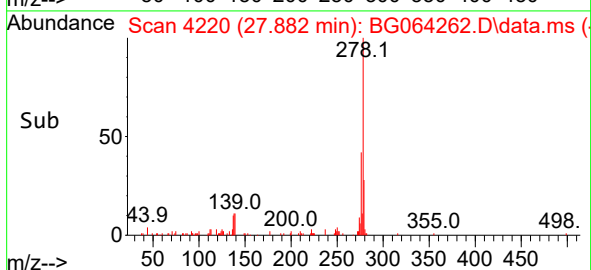
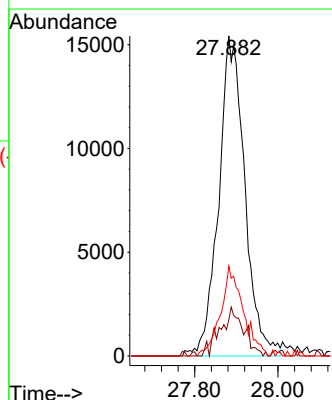
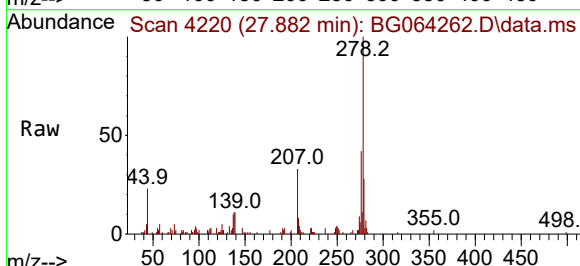
Tgt Ion:278 Resp: 67143

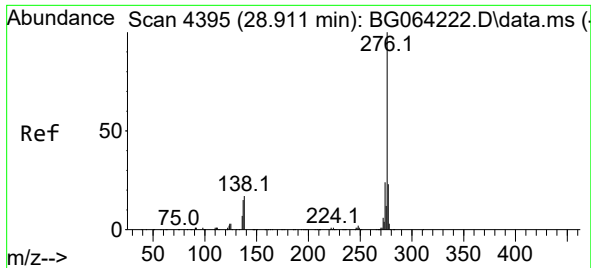
Ion Ratio Lower Upper

278 100

139 11.4 9.0 13.4

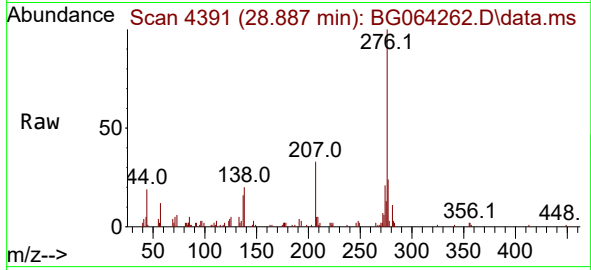
279 28.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.037 ng
 RT: 28.887 min Scan# 41
 Delta R.T. -0.048 min
 Lab File: BG064262.D
 Acq: 3 Sep 2025 20:34

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025



Tgt Ion:	276	Resp:	65038
Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.2	27.4
138	19.7	13.3	19.9

