

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064276.D
 Acq On : 4 Sep 2025 6:48
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Sep 04 07:24:36 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	40691	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	194318	20.000	ng	0.00
39) Acenaphthene-d10	14.479	164	152006	20.000	ng	0.00
64) Phenanthrene-d10	17.217	188	334689	20.000	ng	0.00
76) Chrysene-d12	21.448	240	243865	20.000	ng	0.00
86) Perylene-d12	24.456	264	273801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	179676	79.220	ng	0.00
7) Phenol-d6	7.029	99	269865	86.609	ng	0.00
23) Nitrobenzene-d5	9.009	82	298121	85.562	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	174207	86.524	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	772867	77.607	ng	0.00
79) Terphenyl-d14	19.838	244	990555	84.745	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.357	88	34024	35.991	ng	89
3) Pyridine	3.751	79	107799	38.738	ng	# 51
4) n-Nitrosodimethylamine	3.663	42	69289	37.644	ng	# 91
6) Aniline	7.182	93	177955	41.299	ng	98
8) 2-Chlorophenol	7.423	128	117162	42.274	ng	97
9) Benzaldehyde	6.994	77	94336	36.789	ng	95
10) Phenol	7.053	94	148193	43.138	ng	96
11) bis(2-Chloroethyl)ether	7.282	93	104446	40.460	ng	98
12) 1,3-Dichlorobenzene	7.746	146	115700	39.241	ng	97
13) 1,4-Dichlorobenzene	7.887	146	118227	39.731	ng	95
14) 1,2-Dichlorobenzene	8.204	146	117217	40.815	ng	94
15) Benzyl Alcohol	8.093	79	125168	43.530	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.375	45	213025	36.144	ng	98
17) 2-Methylphenol	8.293	107	103837	40.557	ng	95
18) Hexachloroethane	8.933	117	47314	40.733	ng	89
19) n-Nitroso-di-n-propyla...	8.663	70	97836	41.026	ng	97
20) 3+4-Methylphenols	8.627	107	147706	41.519	ng	98
22) Acetophenone	8.674	105	197860	40.248	ng	# 98
24) Nitrobenzene	9.050	77	149754	41.137	ng	98
25) Isophorone	9.573	82	299510	41.361	ng	99
26) 2-Nitrophenol	9.756	139	71213	45.272	ng	# 86
27) 2,4-Dimethylphenol	9.820	122	119011	43.094	ng	99
28) bis(2-Chloroethoxy)met...	10.055	93	157723	40.394	ng	# 95
29) 2,4-Dichlorophenol	10.290	162	126508	43.415	ng	95
30) 1,2,4-Trichlorobenzene	10.508	180	127183	41.395	ng	99
31) Naphthalene	10.696	128	405002	40.193	ng	99
32) Benzoic acid	9.991	122	88564	40.399	ng	96
33) 4-Chloroaniline	10.796	127	164387	42.092	ng	97
34) Hexachlorobutadiene	10.984	225	94014	41.396	ng	# 87
35) Caprolactam	11.589	113	44538	39.474	ng	# 88
36) 4-Chloro-3-methylphenol	11.929	107	164254	43.445	ng	92
37) 2-Methylnaphthalene	12.300	142	317615	42.406	ng	96
38) 1-Methylnaphthalene	12.523	142	311911	42.162	ng	98
40) 1,2,4,5-Tetrachloroben...	12.670	216	180560	41.169	ng	99
41) Hexachlorocyclopentadiene	12.652	237	95573	45.850	ng	95
43) 2,4,6-Trichlorophenol	12.911	196	118583	40.452	ng	96

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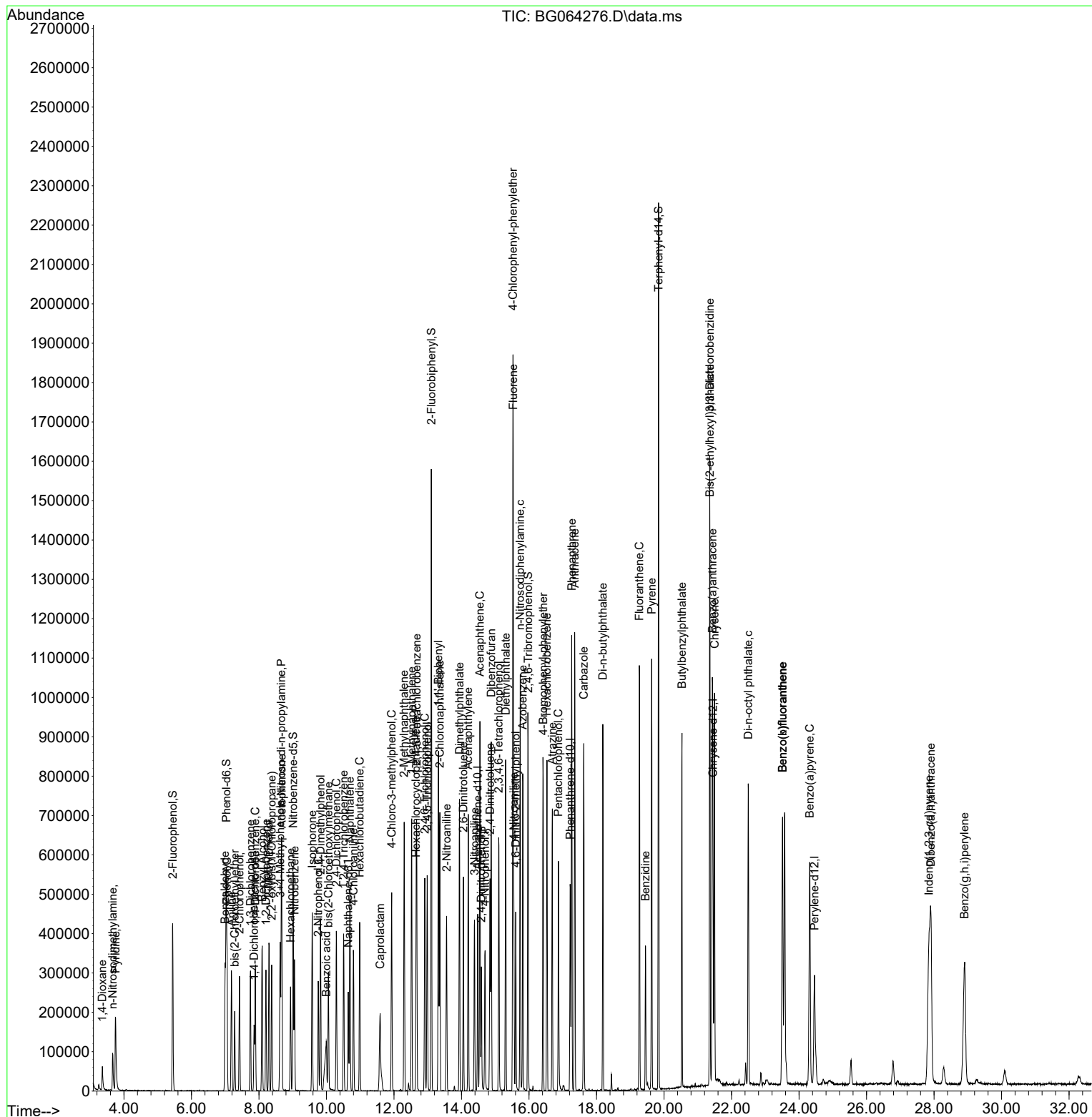
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.981	196	128967	40.556	ng	97
46) 1,1'-Biphenyl	13.316	154	435596	39.345	ng	98
47) 2-Chloronaphthalene	13.357	162	323996	38.926	ng	98
48) 2-Nitroaniline	13.557	65	120210	42.374	ng	94
49) Acenaphthylene	14.197	152	496972	40.392	ng	98
50) Dimethylphthalate	13.939	163	443398	38.538	ng	99
51) 2,6-Dinitrotoluene	14.056	165	94829	42.574	ng	93
52) Acenaphthene	14.544	154	343606	39.573	ng	98
53) 3-Nitroaniline	14.385	138	94246	40.394	ng	97
54) 2,4-Dinitrophenol	14.585	184	57254	42.214	ng #	81
55) Dibenzofuran	14.879	168	538449	39.425	ng	99
56) 4-Nitrophenol	14.697	139	73747	38.532	ng	93
57) 2,4-Dinitrotoluene	14.844	165	141897	42.133	ng	96
58) Fluorene	15.531	166	440607	39.361	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.102	232	129659	42.393	ng	97
60) Diethylphthalate	15.308	149	472500	38.373	ng	98
61) 4-Chlorophenyl-phenyle...	15.525	204	224173	40.166	ng	98
62) 4-Nitroaniline	15.549	138	92574	38.883	ng	97
63) Azobenzene	15.813	77	427264	38.931	ng	98
65) 4,6-Dinitro-2-methylph...	15.608	198	88084	45.840	ng	97
66) n-Nitrosodiphenylamine	15.737	169	383696	41.674	ng	97
67) 4-Bromophenyl-phenylether	16.418	248	157883	44.414	ng	96
68) Hexachlorobenzene	16.530	284	172602	43.724	ng	93
69) Atrazine	16.689	200	135360	35.210	ng	95
70) Pentachlorophenol	16.871	266	104189	43.529	ng	90
71) Phenanthrene	17.264	178	708272	40.123	ng	99
72) Anthracene	17.353	178	722527	40.238	ng	99
73) Carbazole	17.623	167	574166	36.297	ng	98
74) Di-n-butylphthalate	18.187	149	616076	32.417	ng	99
75) Fluoranthene	19.268	202	682817	32.897	ng	98
77) Benzidine	19.450	184	211630	41.253	ng	99
78) Pyrene	19.632	202	680514	44.293	ng	100
80) Butylbenzylphthalate	20.531	149	249351	43.030	ng	95
81) Benzo(a)anthracene	21.430	228	642365	41.173	ng	99
82) 3,3'-Dichlorobenzidine	21.354	252	218705	43.043	ng	99
83) Chrysene	21.495	228	605420	40.421	ng	99
84) Bis(2-ethylhexyl)phtha...	21.360	149	369373	42.456	ng	99
85) Di-n-octyl phthalate	22.494	149	647837	42.736	ng	97
87) Indeno(1,2,3-cd)pyrene	27.846	276	778746	41.648	ng	98
88) Benzo(b)fluoranthene	23.510	252	646832	41.858	ng	99
89) Benzo(k)fluoranthene	23.510	252	646832	41.087	ng	98
90) Benzo(a)pyrene	24.315	252	592481	41.217	ng	99
91) Dibenzo(a,h)anthracene	27.905	278	628686	41.876	ng	100
92) Benzo(g,h,i)perylene	28.904	276	598324	40.957	ng	96

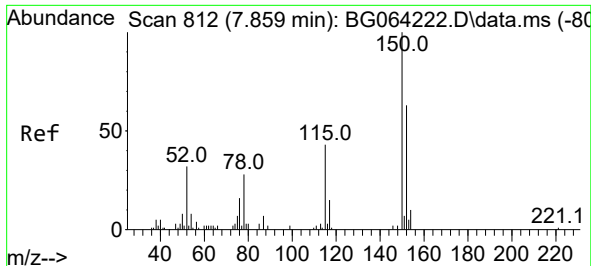
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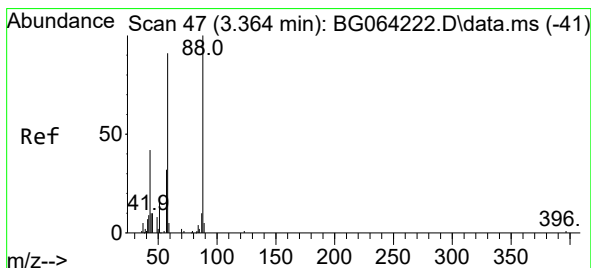
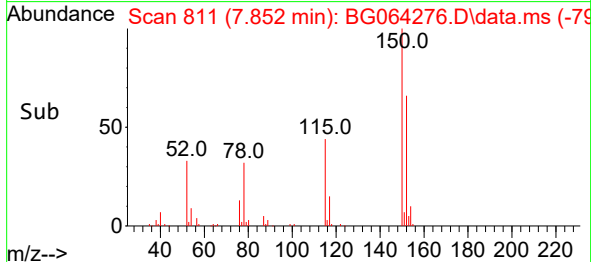
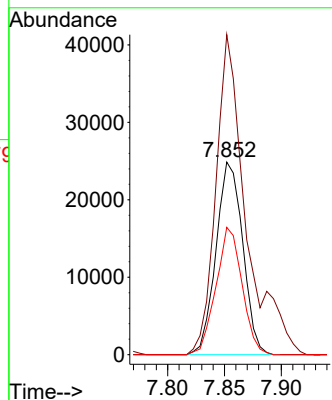
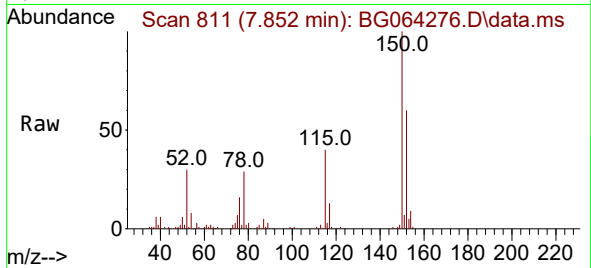




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064276.D
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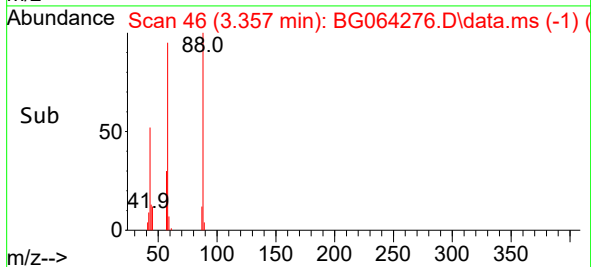
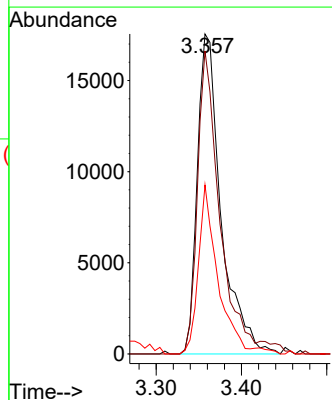
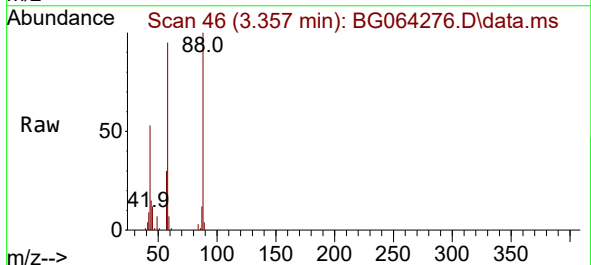
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BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

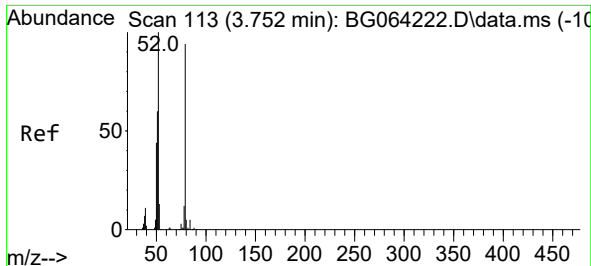
Tgt Ion:152 Resp: 40691
Ion Ratio Lower Upper
152 100
150 166.2 128.0 192.0
115 66.1 55.7 83.5



#2
1,4-Dioxane
Concen: 35.991 ng
RT: 3.357 min Scan# 46
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion: 88 Resp: 34024
Ion Ratio Lower Upper
88 100
58 90.7 80.8 121.2
43 42.7 40.3 60.5

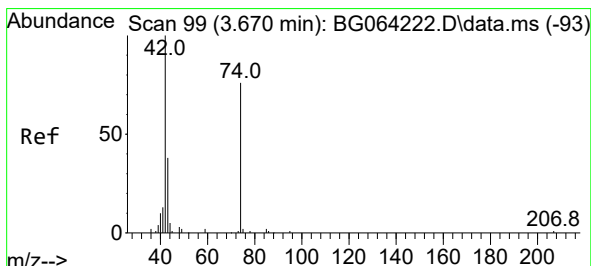
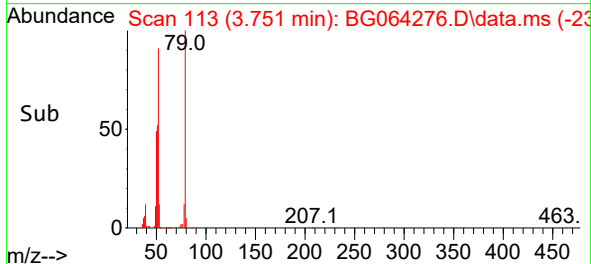
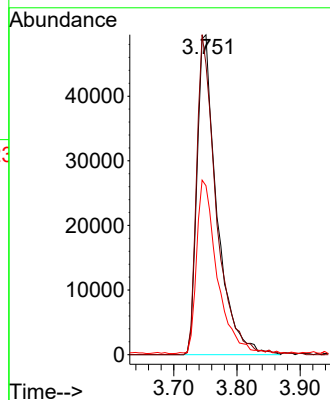
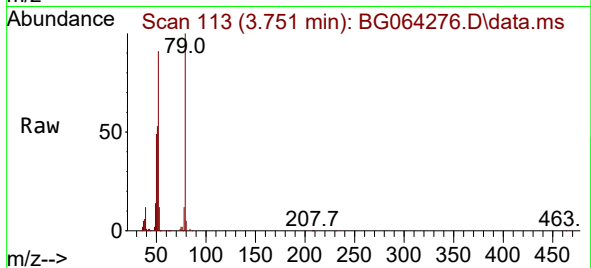




#3
 Pyridine
 Concen: 38.738 ng
 RT: 3.751 min Scan# 113
 Delta R.T. -0.001 min
 Lab File: BG064276.D
 Acq: 4 Sep 2025 6:48

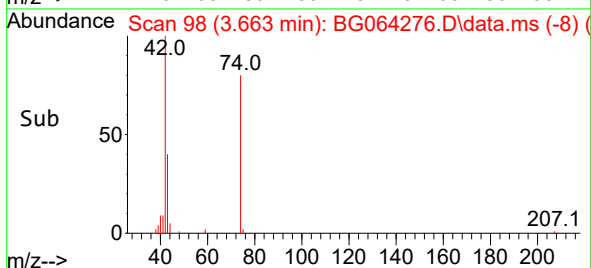
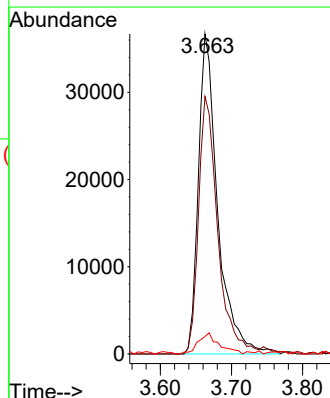
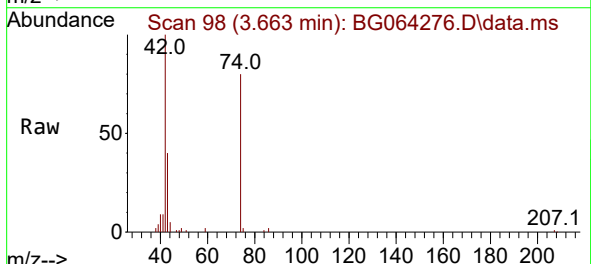
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 ClientSampleId : LOQ-SOIL-02-QT2-2025

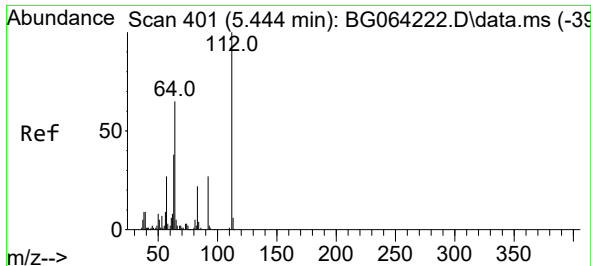
Tgt Ion: 79 Resp: 107799
 Ion Ratio Lower Upper
 79 100
 52 90.9 86.6 129.8
 51 52.8 114.1 171.1#



#4
 n-Nitrosodimethylamine
 Concen: 37.644 ng
 RT: 3.663 min Scan# 98
 Delta R.T. -0.001 min
 Lab File: BG064276.D
 Acq: 4 Sep 2025 6:48

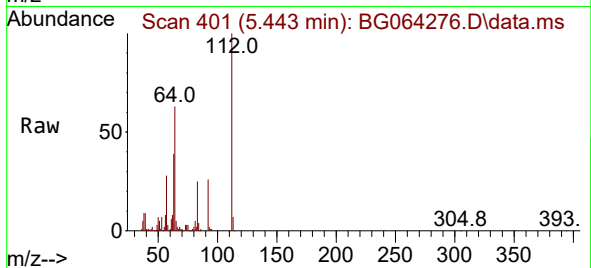
Tgt Ion: 42 Resp: 69289
 Ion Ratio Lower Upper
 42 100
 74 80.5 58.0 87.0
 44 5.5 5.5 8.3#



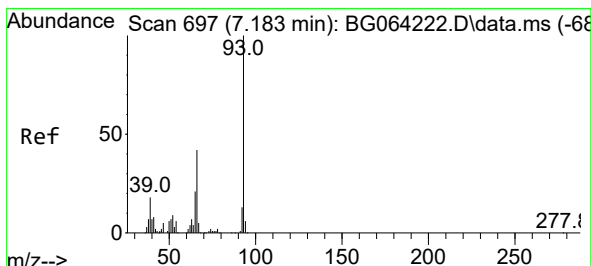
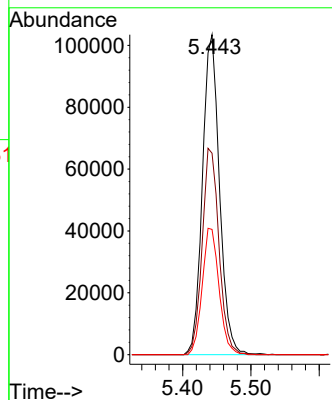
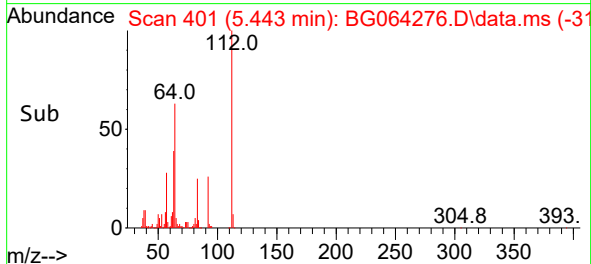


#5
2-Fluorophenol
Concen: 79.220 ng
RT: 5.443 min Scan# 401
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

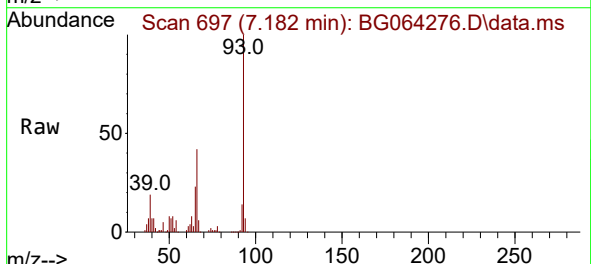
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



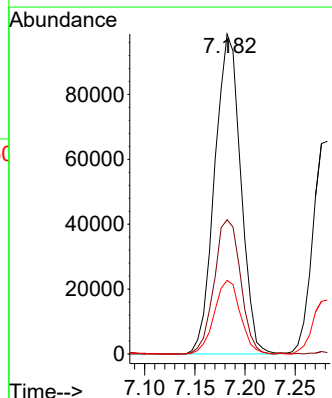
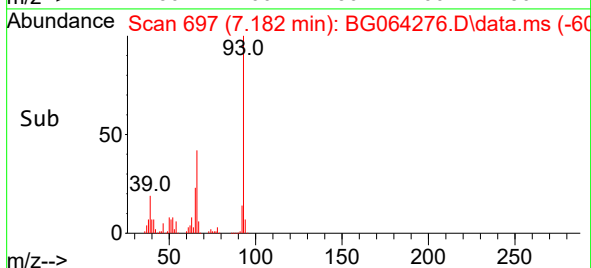
Tgt Ion:112 Resp: 179676
Ion Ratio Lower Upper
112 100
64 62.9 51.8 77.6
63 39.1 30.6 45.8

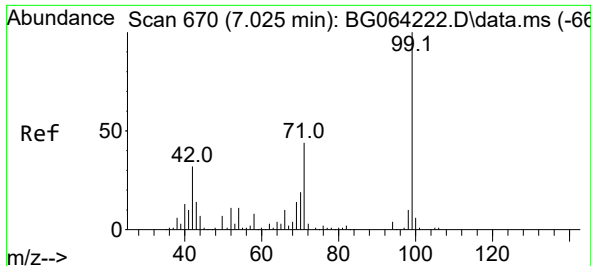


#6
Aniline
Concen: 41.299 ng
RT: 7.182 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48



Tgt Ion: 93 Resp: 177955
Ion Ratio Lower Upper
93 100
66 42.0 33.8 50.8
65 23.0 16.9 25.3

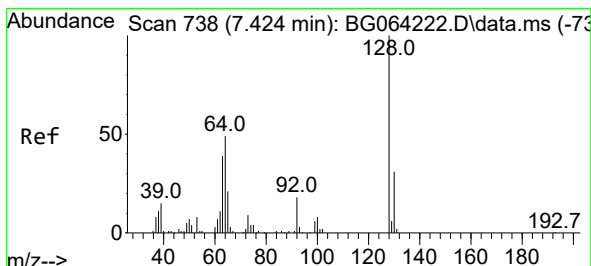
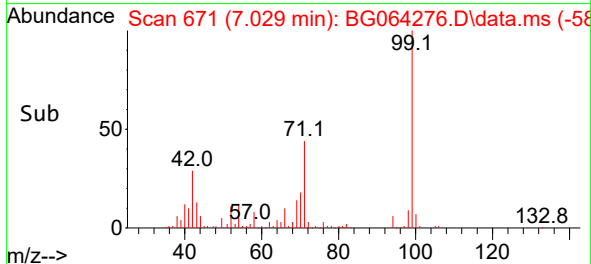
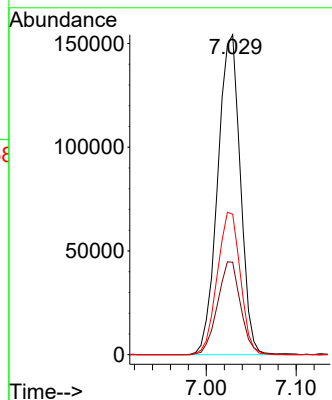
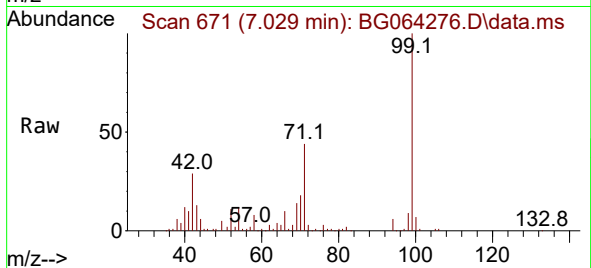




#7
Phenol-d6
Concen: 86.609 ng
RT: 7.029 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064276.D
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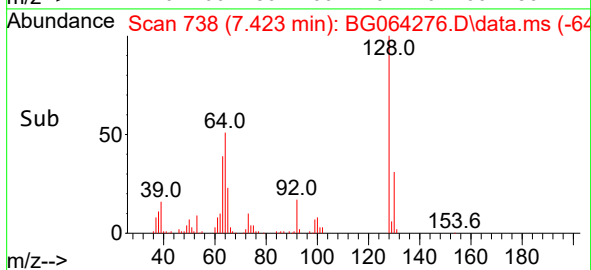
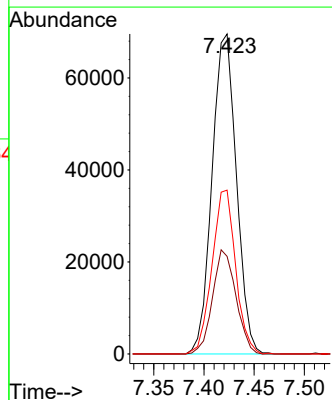
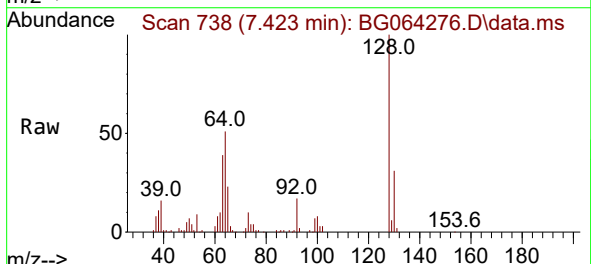
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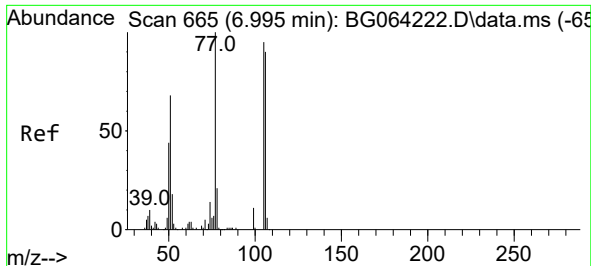
Tgt Ion: 99 Resp: 269865
Ion Ratio Lower Upper
99 100
42 28.9 25.8 38.8
71 43.9 35.2 52.8



#8
2-Chlorophenol
Concen: 42.274 ng
RT: 7.423 min Scan# 738
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:128 Resp: 117162
Ion Ratio Lower Upper
128 100
130 30.5 10.9 50.9
64 51.2 28.7 68.7

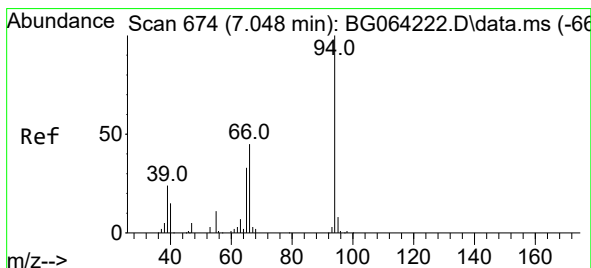
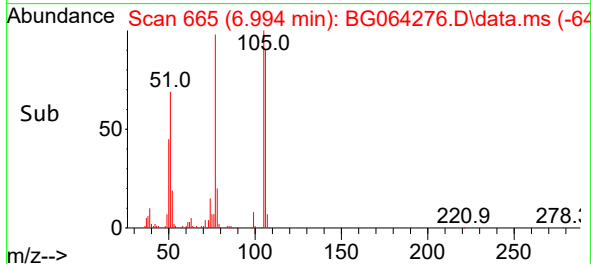
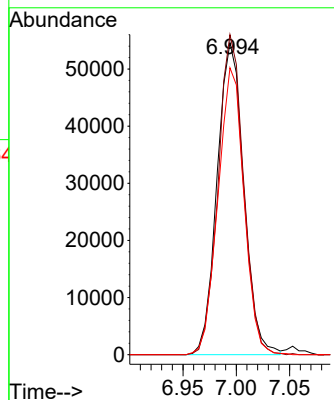
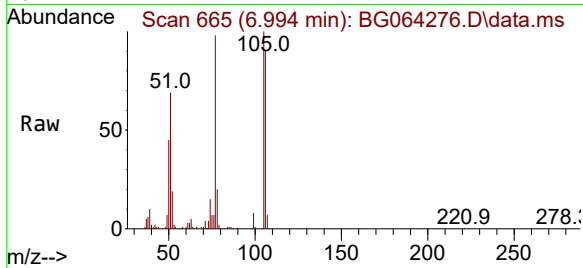




#9
Benzaldehyde
Concen: 36.789 ng
RT: 6.994 min Scan# 609
Delta R.T. -0.001 min
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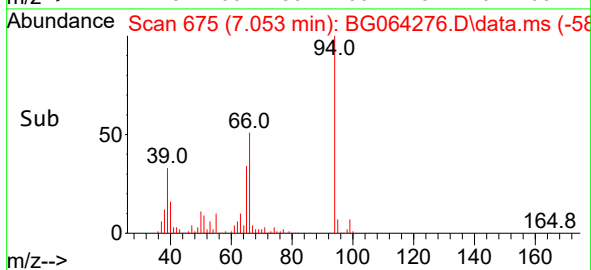
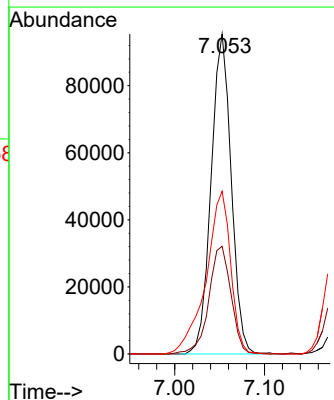
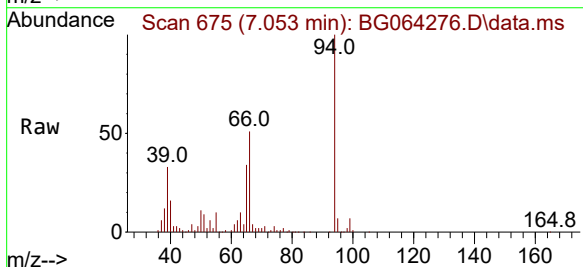
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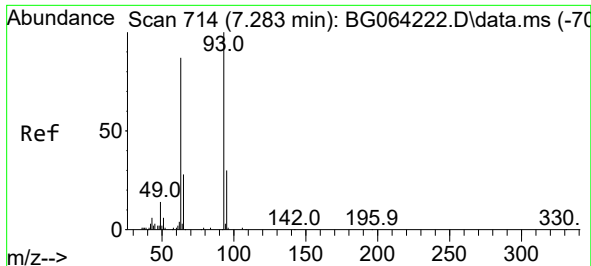
Tgt Ion: 77 Resp: 94336
Ion Ratio Lower Upper
77 100
105 102.5 75.2 115.2
106 91.9 69.6 109.6



#10
Phenol
Concen: 43.138 ng
RT: 7.053 min Scan# 675
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion: 94 Resp: 148193
Ion Ratio Lower Upper
94 100
65 33.7 13.5 53.5
66 50.9 26.2 66.2

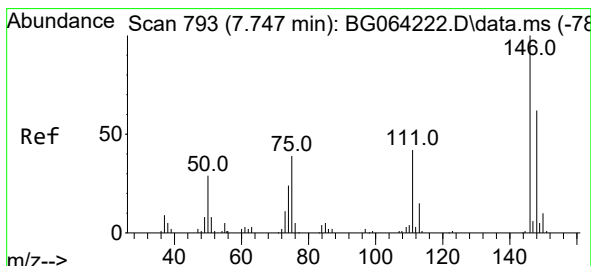
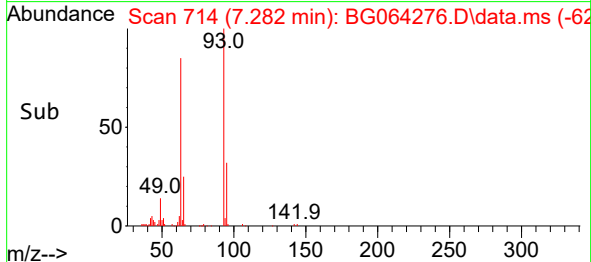
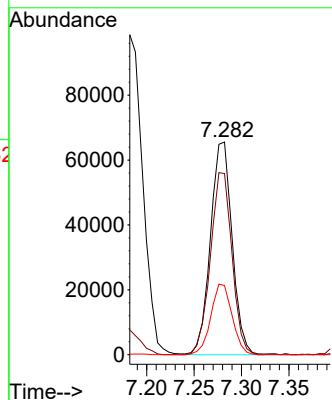
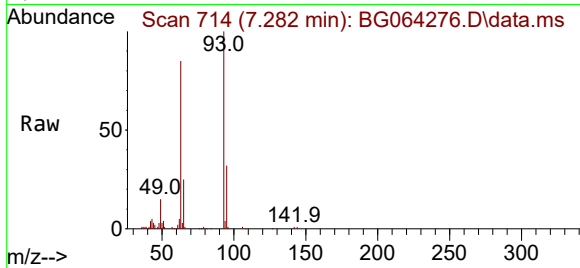




#11
bis(2-Chloroethyl)ether
Concen: 40.460 ng
RT: 7.282 min Scan# 714
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

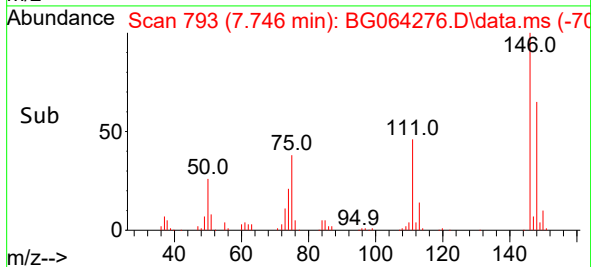
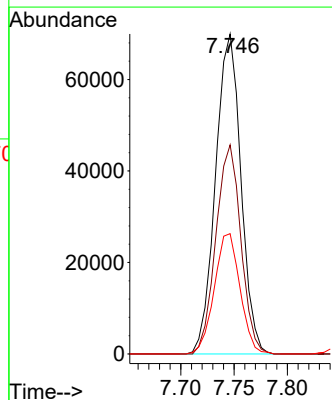
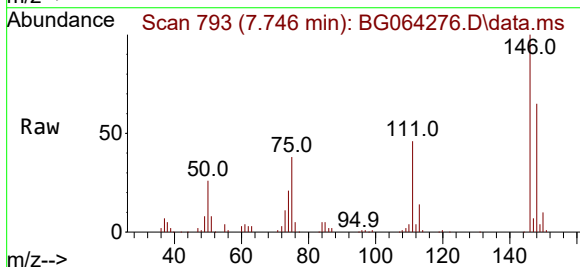
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

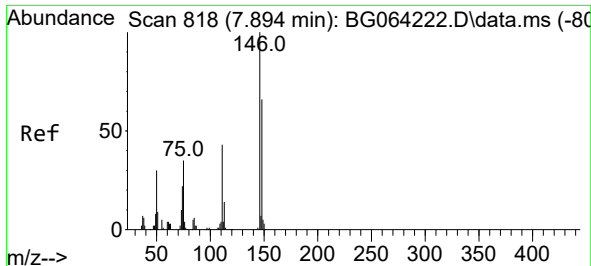
Tgt Ion: 93 Resp: 104446
Ion Ratio Lower Upper
93 100
63 85.2 66.2 106.2
95 32.5 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 39.241 ng
RT: 7.746 min Scan# 793
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:146 Resp: 115700
Ion Ratio Lower Upper
146 100
148 65.4 49.6 74.4
75 37.6 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 39.731 ng

RT: 7.887 min Scan# 818

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

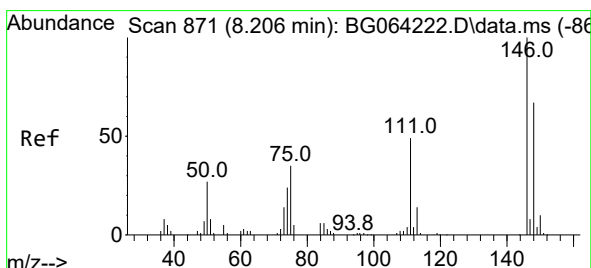
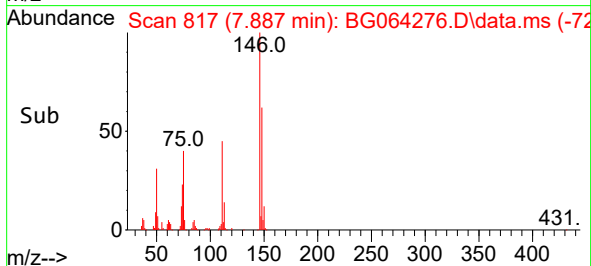
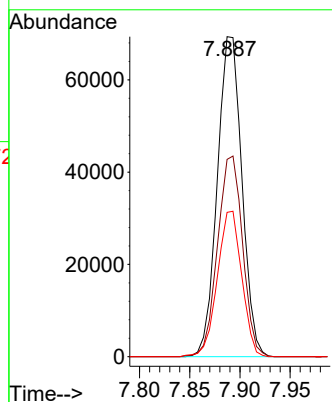
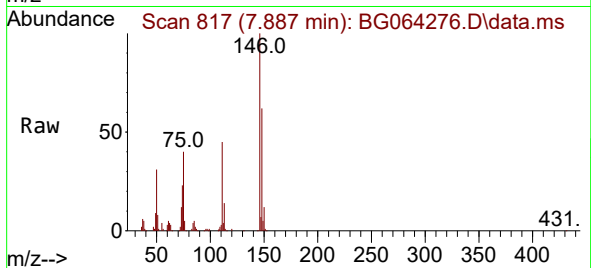
Tgt Ion:146 Resp: 118227

Ion Ratio Lower Upper

146 100

148 61.7 52.8 79.2

111 45.1 34.1 51.1



#14

1,2-Dichlorobenzene

Concen: 40.815 ng

RT: 8.204 min Scan# 871

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

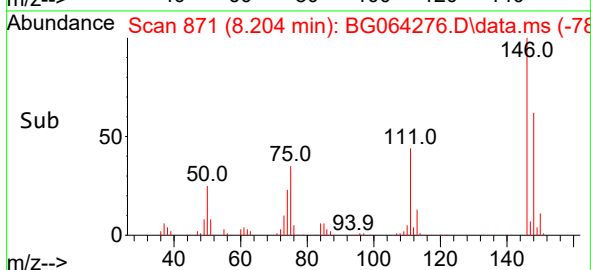
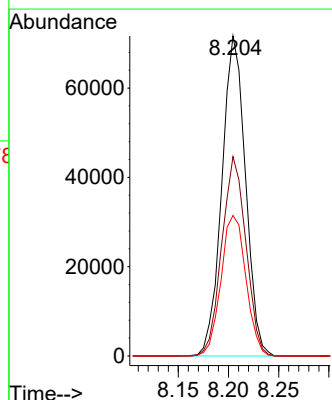
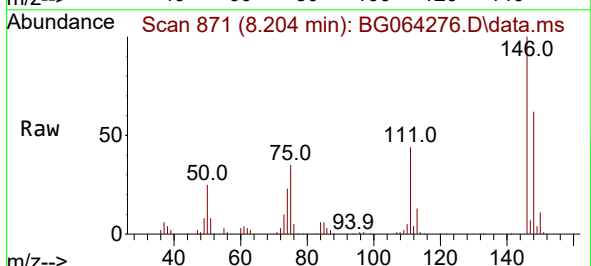
Tgt Ion:146 Resp: 117217

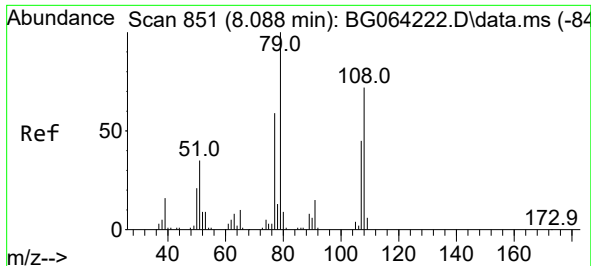
Ion Ratio Lower Upper

146 100

148 62.3 53.4 80.0

111 43.9 39.1 58.7

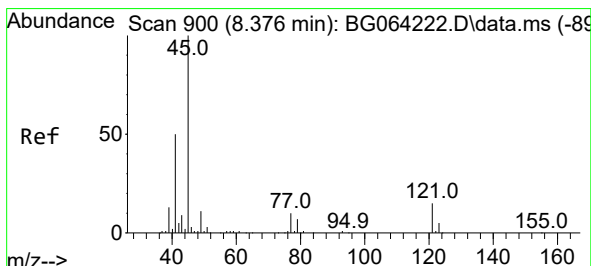
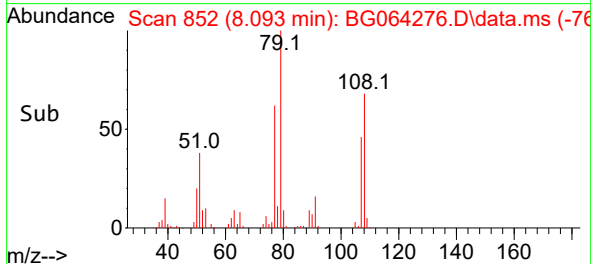
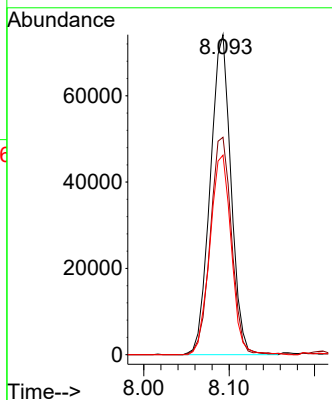
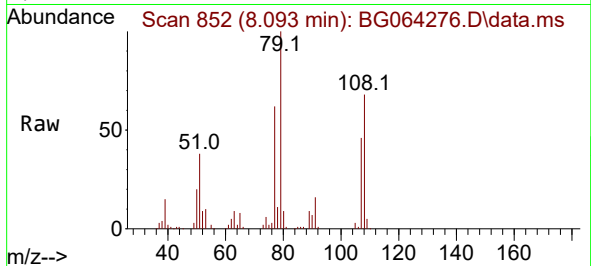




#15
Benzyl Alcohol
Concen: 43.530 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

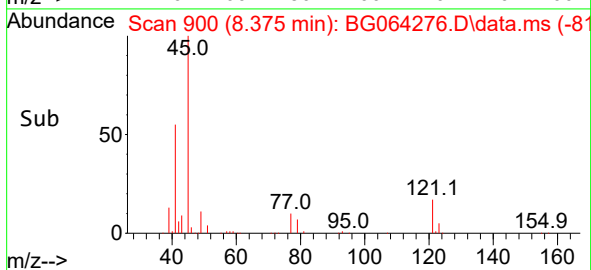
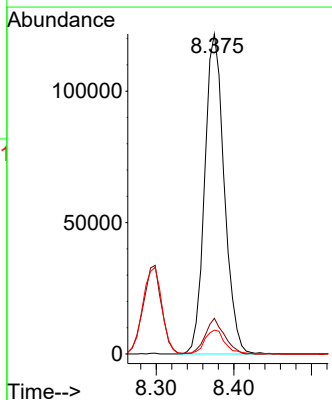
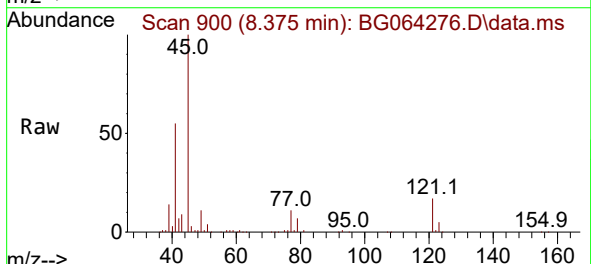
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

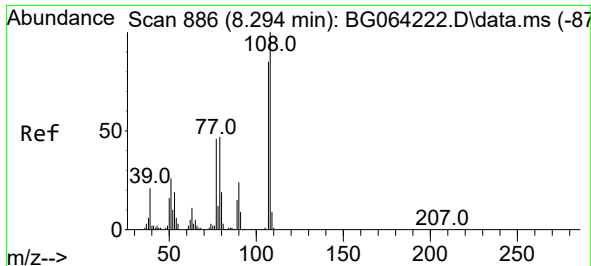
Tgt Ion: 79 Resp: 125168
Ion Ratio Lower Upper
79 100
108 68.0 57.4 86.0
77 62.3 47.2 70.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.144 ng
RT: 8.375 min Scan# 900
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion: 45 Resp: 213025
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.0
79 7.5 0.0 27.9

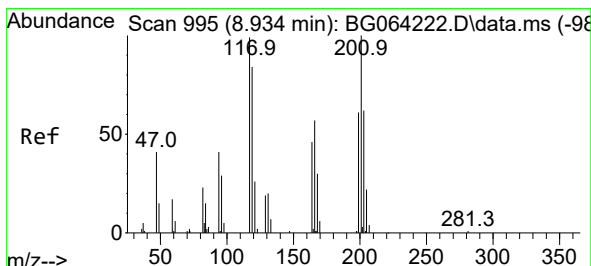
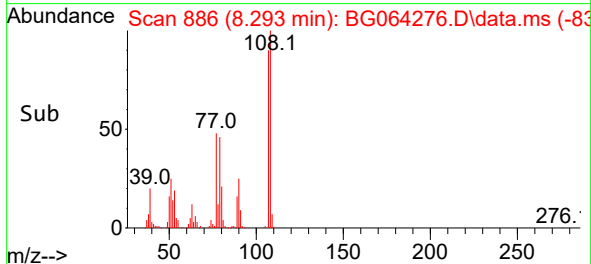
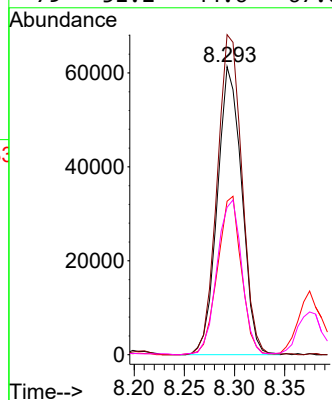
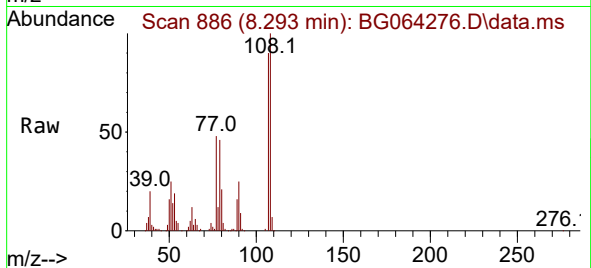




#17
2-Methylphenol
Concen: 40.557 ng
RT: 8.293 min Scan# 886
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

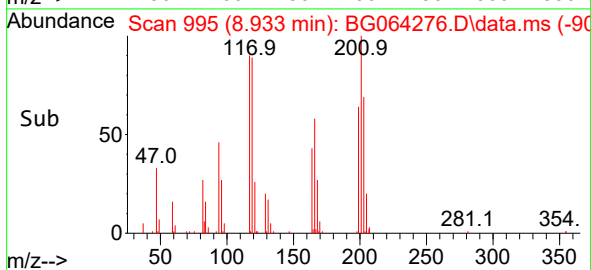
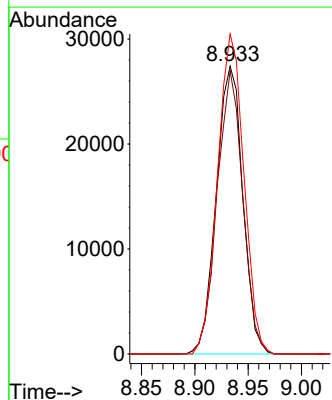
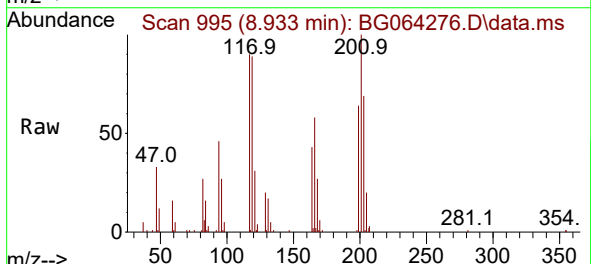
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

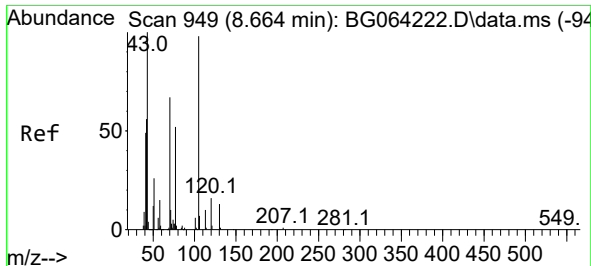
Tgt Ion:	107	Resp:	103837
Ion	Ratio	Lower	Upper
107	100		
108	111.1	94.6	141.8
77	53.3	43.7	65.5
79	51.2	44.6	67.0



#18
Hexachloroethane
Concen: 40.733 ng
RT: 8.933 min Scan# 995
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:	117	Resp:	47314
Ion	Ratio	Lower	Upper
117	100		
119	97.1	67.9	101.9
201	109.7	80.5	120.7

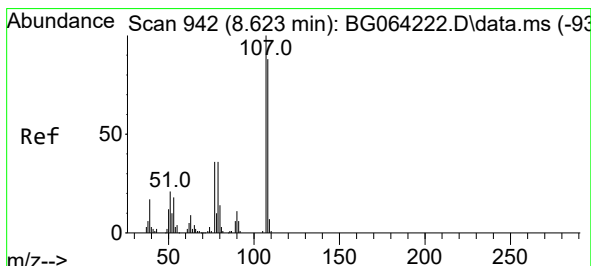
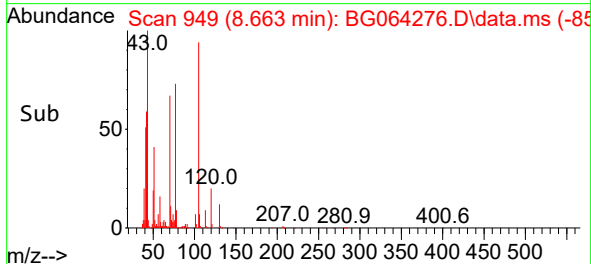
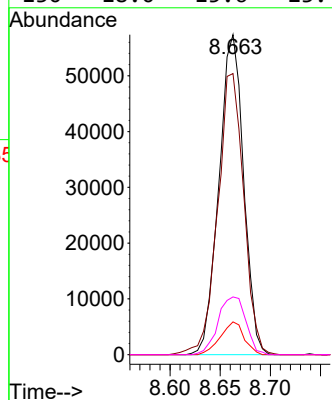
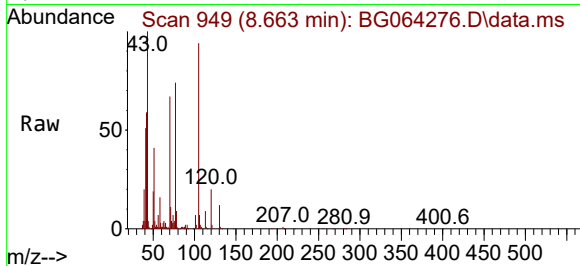




#19
n-Nitroso-di-n-propylamine
Concen: 41.026 ng
RT: 8.663 min Scan# 949
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

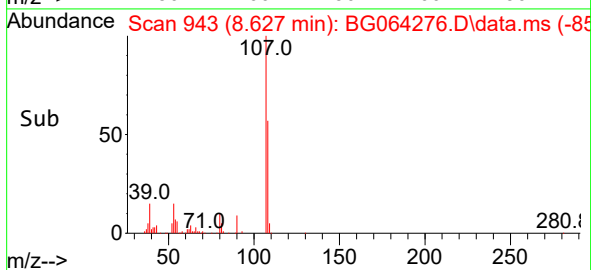
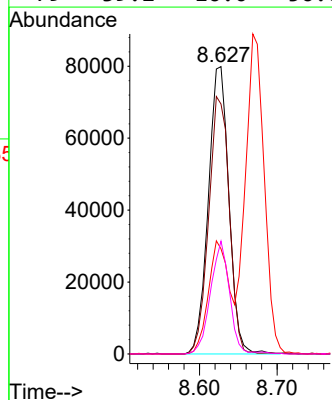
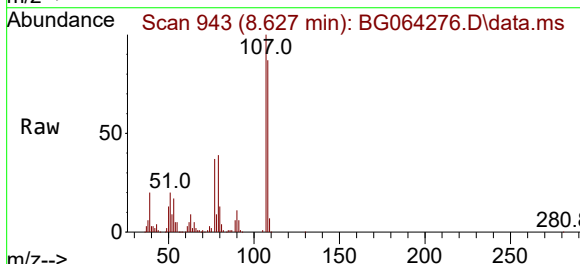
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

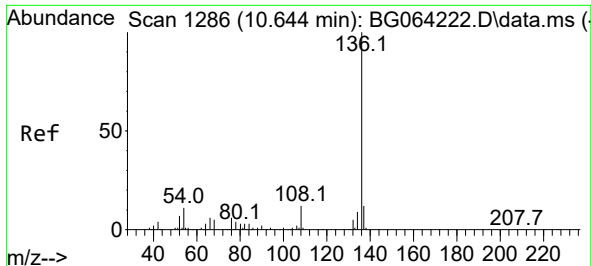
Tgt Ion: 70 Resp: 97836
Ion Ratio Lower Upper
70 100
42 87.9 67.9 101.9
101 10.2 7.3 10.9
130 18.0 15.6 23.4



#20
3+4-Methylphenols
Concen: 41.519 ng
RT: 8.627 min Scan# 943
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion: 107 Resp: 147706
Ion Ratio Lower Upper
107 100
108 87.0 68.1 108.1
77 36.6 15.9 55.9
79 39.2 16.0 56.0

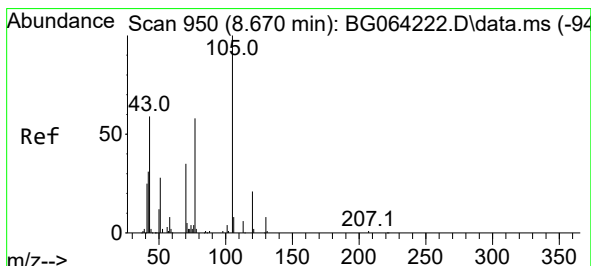
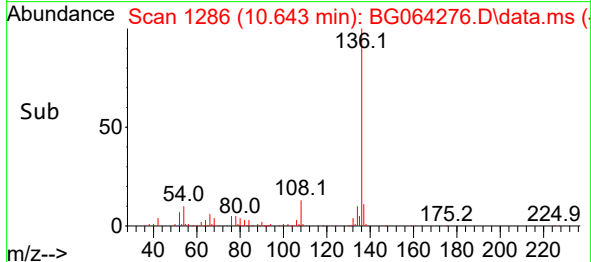
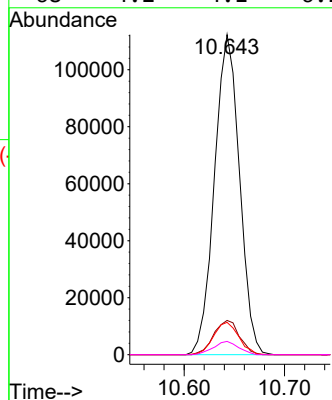
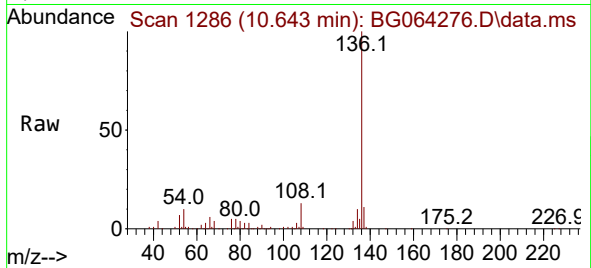




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

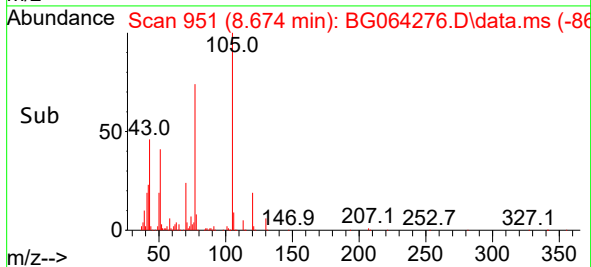
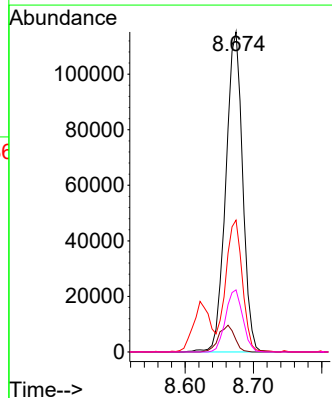
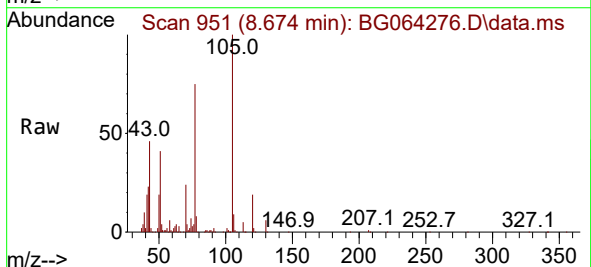
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

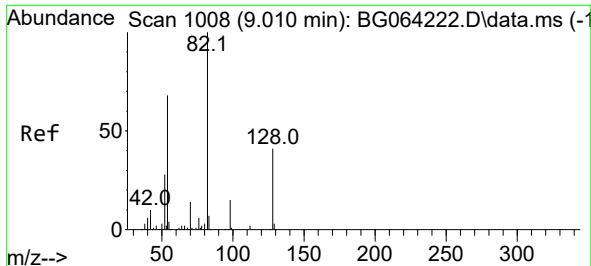
Tgt Ion:136 Resp: 194318
Ion Ratio Lower Upper
136 100
137 10.7 9.6 14.4
54 10.1 8.8 13.2
68 4.2 4.1 6.1



#22
Acetophenone
Concen: 40.248 ng
RT: 8.674 min Scan# 951
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:105 Resp: 197860
Ion Ratio Lower Upper
105 100
71 3.7 4.3 6.5#
51 41.2 32.4 48.6
120 19.4 16.8 25.2

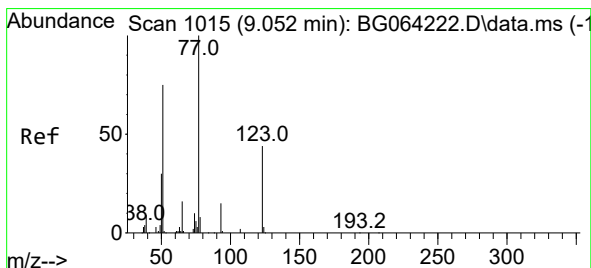
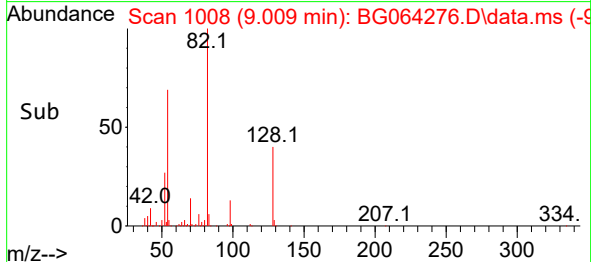
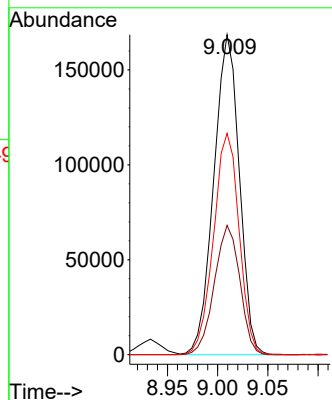
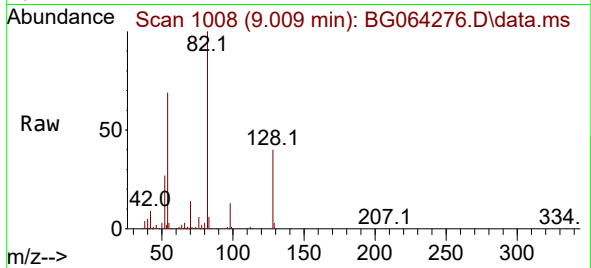




#23
Nitrobenzene-d5
Concen: 85.562 ng
RT: 9.009 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

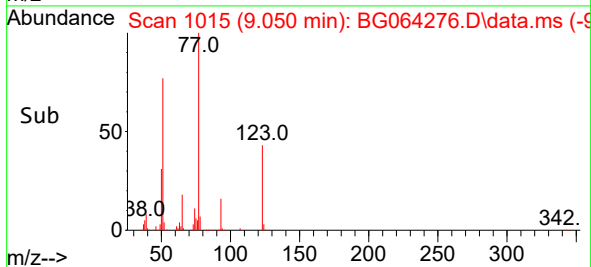
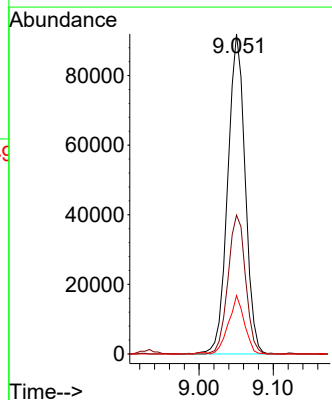
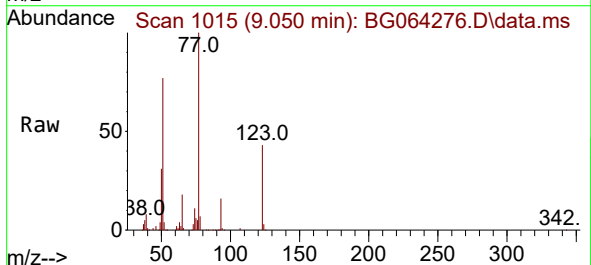
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

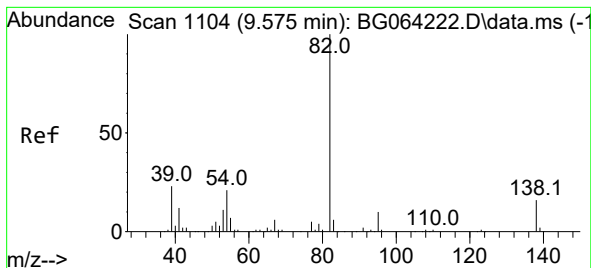
Tgt Ion: 82 Resp: 298121
Ion Ratio Lower Upper
82 100
128 40.4 32.6 48.8
54 69.1 54.7 82.1



#24
Nitrobenzene
Concen: 41.137 ng
RT: 9.050 min Scan# 1015
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion: 77 Resp: 149754
Ion Ratio Lower Upper
77 100
123 43.4 35.2 52.8
65 18.3 12.6 19.0





#25

Isophorone

Concen: 41.361 ng

RT: 9.573 min Scan# 1104

Delta R.T. -0.013 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

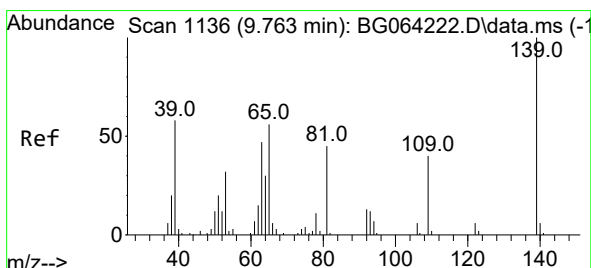
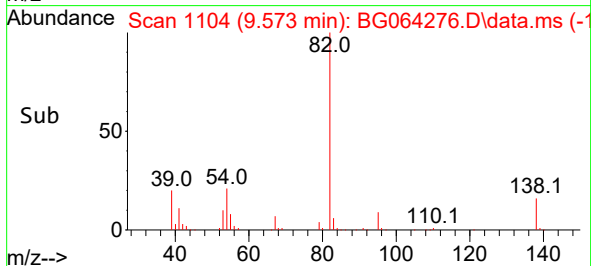
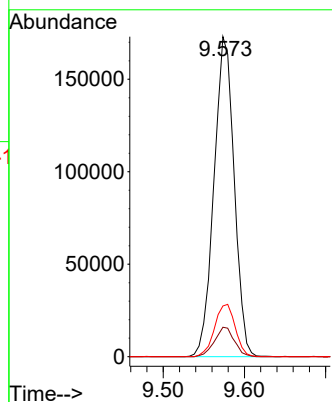
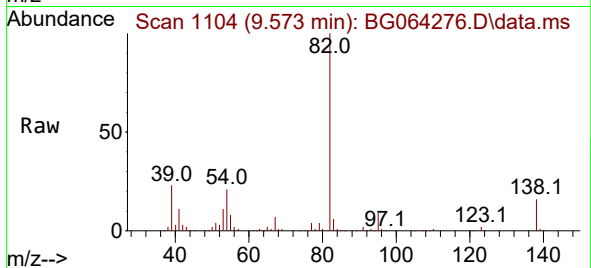
Tgt Ion: 82 Resp: 299510

Ion Ratio Lower Upper

82 100

95 9.2 7.9 11.9

138 15.9 13.0 19.4



#26

2-Nitrophenol

Concen: 45.272 ng

RT: 9.756 min Scan# 1135

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

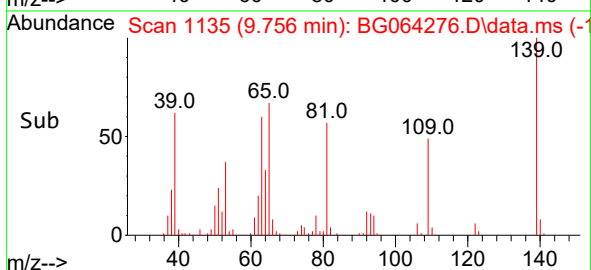
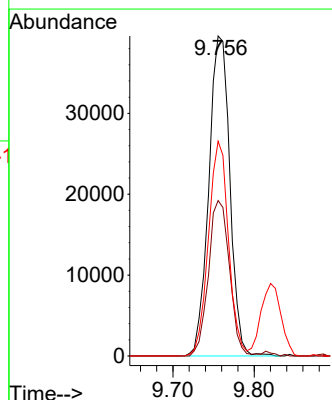
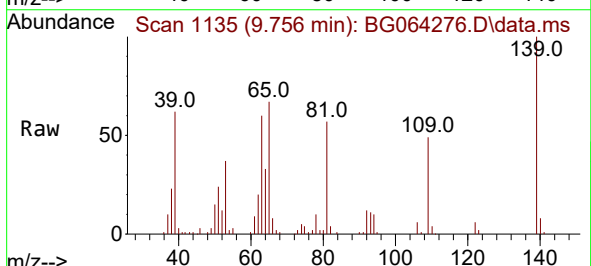
Tgt Ion:139 Resp: 71213

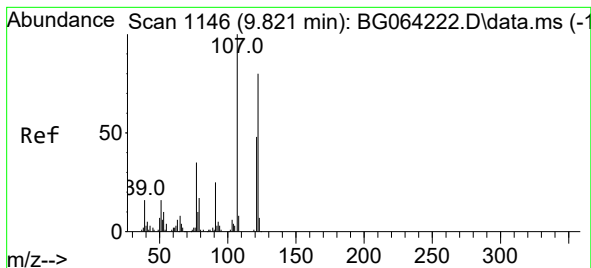
Ion Ratio Lower Upper

139 100

109 48.5 32.4 48.6

65 67.1 44.6 67.0#





#27

2,4-Dimethylphenol

Concen: 43.094 ng

RT: 9.820 min Scan# 1146

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

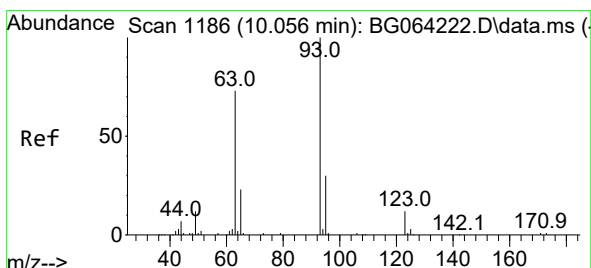
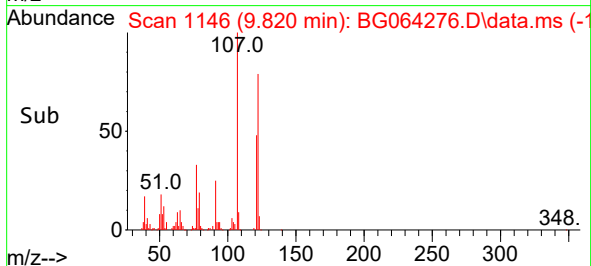
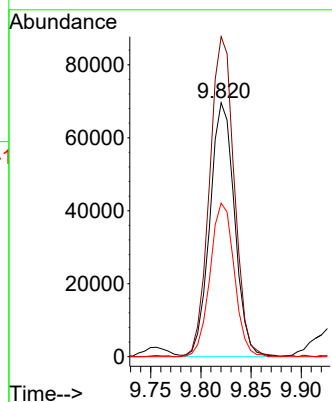
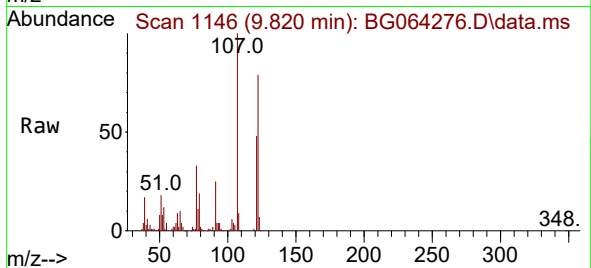
Tgt Ion:122 Resp: 119011

Ion Ratio Lower Upper

122 100

107 126.0 99.9 149.9

121 60.5 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 40.394 ng

RT: 10.055 min Scan# 1186

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

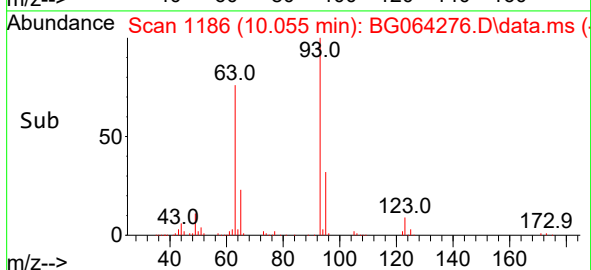
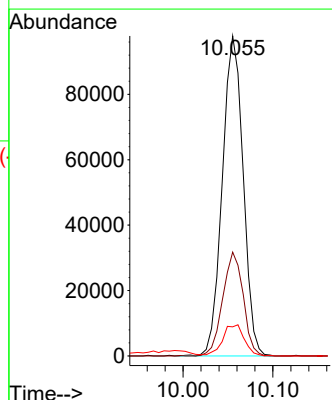
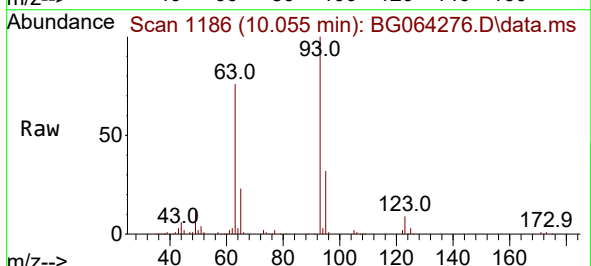
Tgt Ion: 93 Resp: 157723

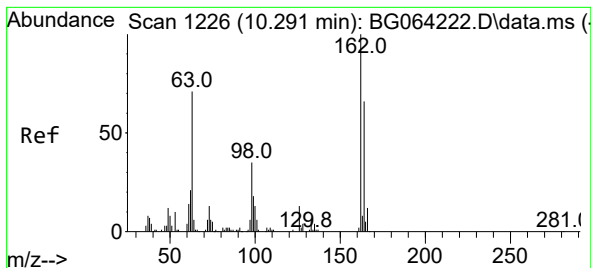
Ion Ratio Lower Upper

93 100

95 32.4 23.9 35.9

123 9.1 9.6 14.4#





#29

2,4-Dichlorophenol

Concen: 43.415 ng

RT: 10.290 min Scan# 1226

Delta R.T. -0.007 min

Lab File: BG064276.D

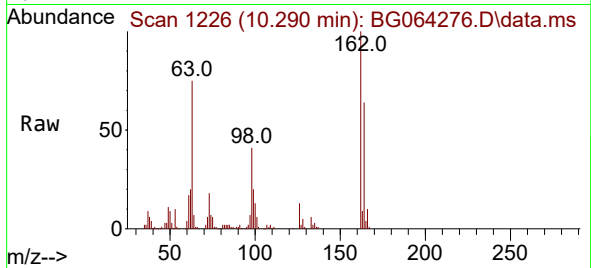
Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025



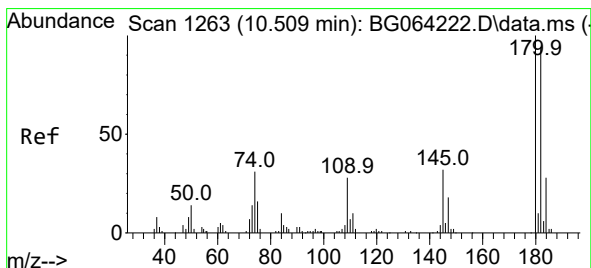
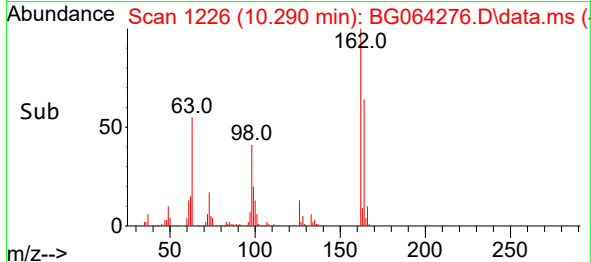
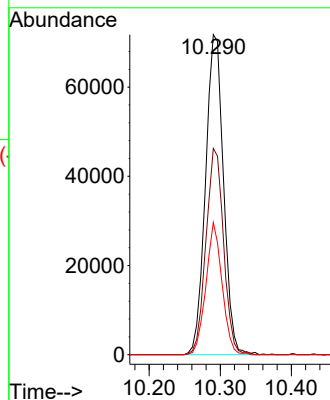
Tgt Ion:162 Resp: 126508

Ion Ratio Lower Upper

162 100

164 64.5 45.8 85.8

98 41.3 15.2 55.2



#30

1,2,4-Trichlorobenzene

Concen: 41.395 ng

RT: 10.508 min Scan# 1263

Delta R.T. -0.001 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

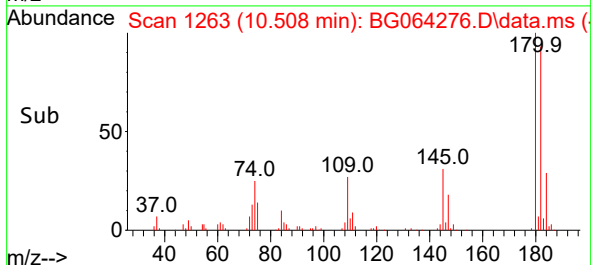
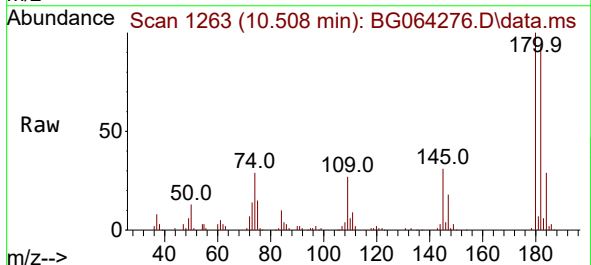
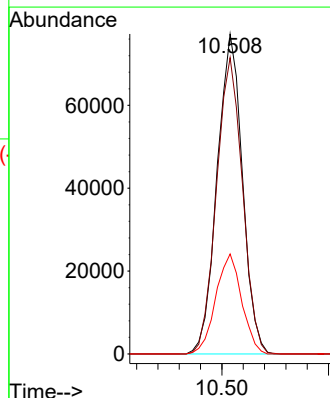
Tgt Ion:180 Resp: 127183

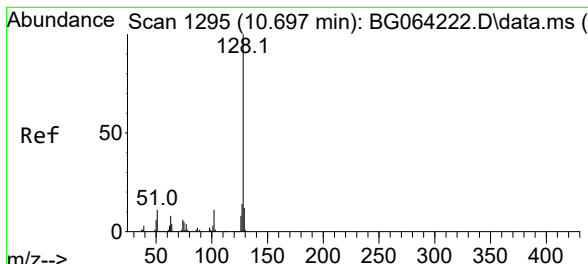
Ion Ratio Lower Upper

180 100

182 92.6 75.0 112.6

145 31.3 25.4 38.0

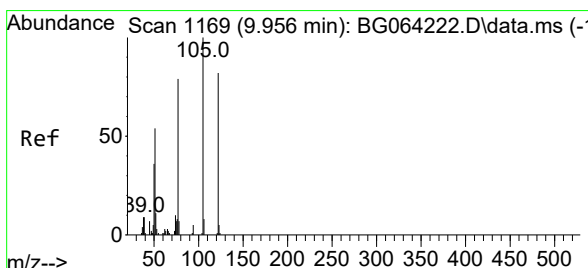
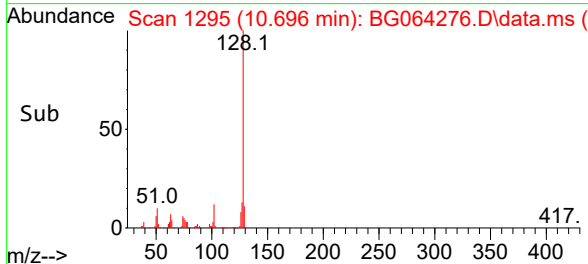
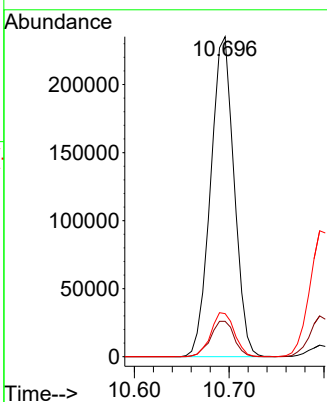
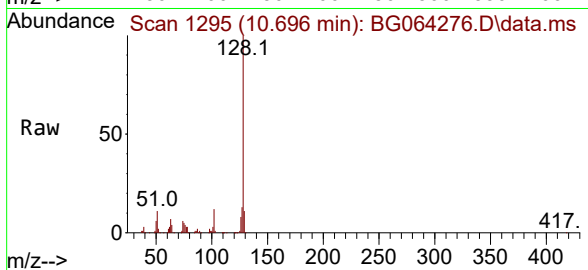




#31
Naphthalene
Concen: 40.193 ng
RT: 10.696 min Scan# 1175
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

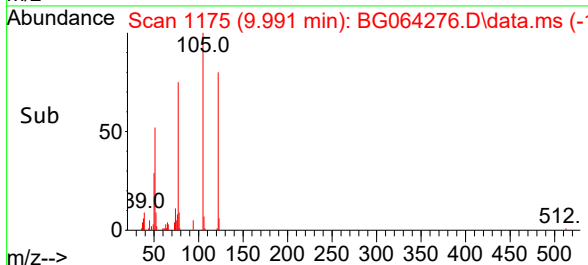
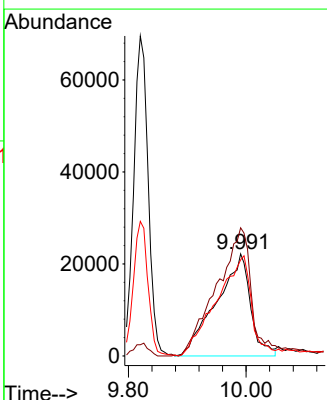
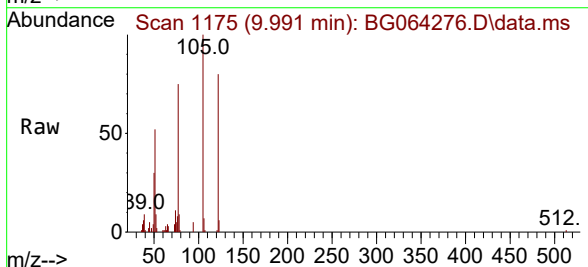
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

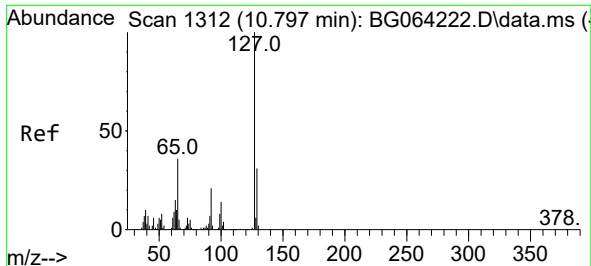
Tgt Ion:	128	Resp:	405002
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.4	14.2
127	13.5	10.9	16.3



#32
Benzoic acid
Concen: 40.399 ng
RT: 9.991 min Scan# 1175
Delta R.T. -0.025 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:	122	Resp:	88564
Ion Ratio	Lower	Upper	
122	100		
105	125.6	98.5	138.5
77	94.2	74.6	114.6

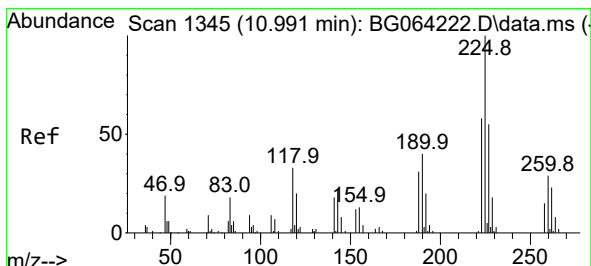
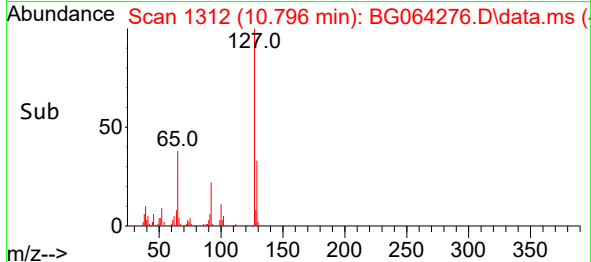
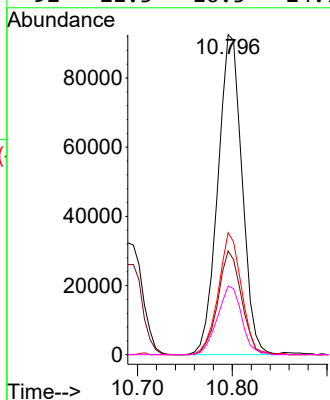
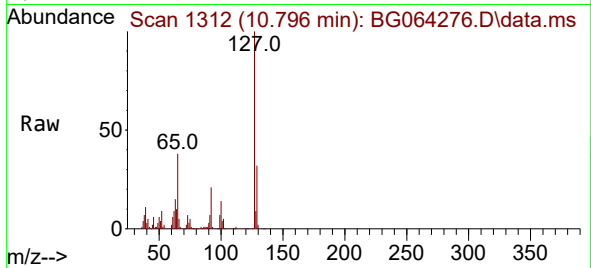




#33
4-Chloroaniline
Concen: 42.092 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

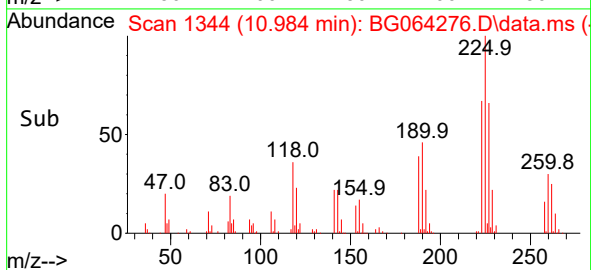
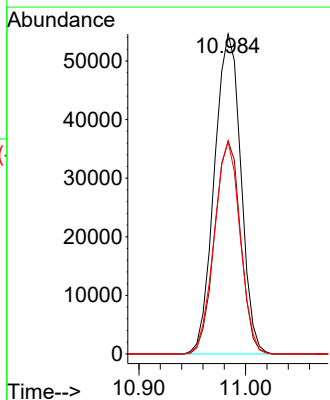
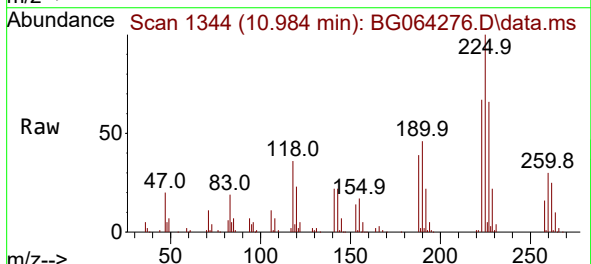
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

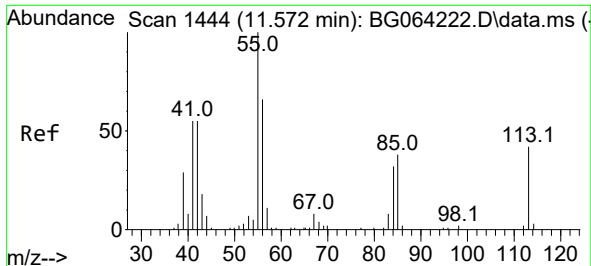
Tgt Ion:127	Resp: 164387
Ion Ratio	Lower Upper
127 100	
129 32.4	25.0 37.4
65 38.1	28.7 43.1
92 21.5	16.5 24.7



#34
Hexachlorobutadiene
Concen: 41.396 ng
RT: 10.984 min Scan# 1344
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt	Ion:225	Resp:	94014
Ion	Ratio	Lower	Upper
225	100		
223	66.6	46.5	69.7
227	66.4	44.1	66.1#

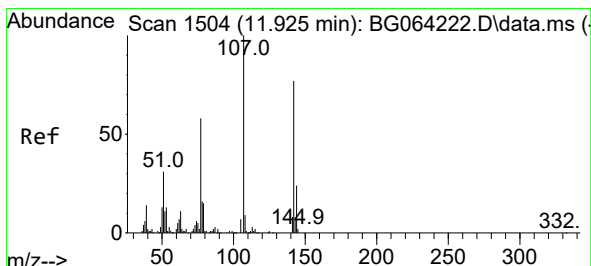
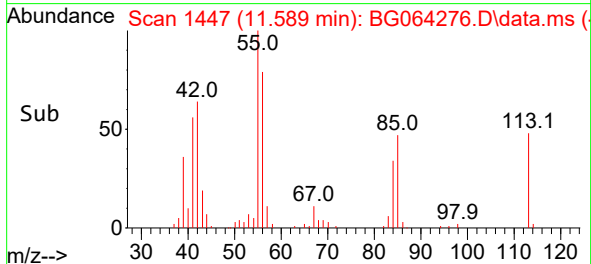
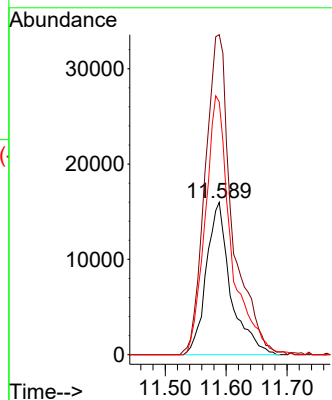
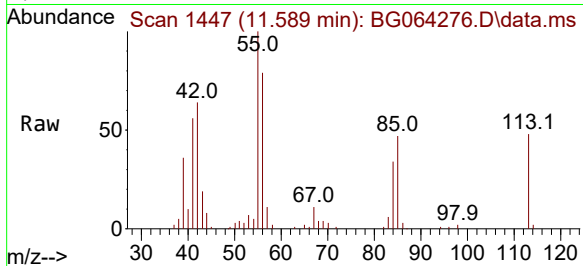




#35
 Caprolactam
 Concen: 39.474 ng
 RT: 11.589 min Scan# 1447
 Delta R.T. -0.013 min
 Lab File: BG064276.D
 Acq: 4 Sep 2025 6:48

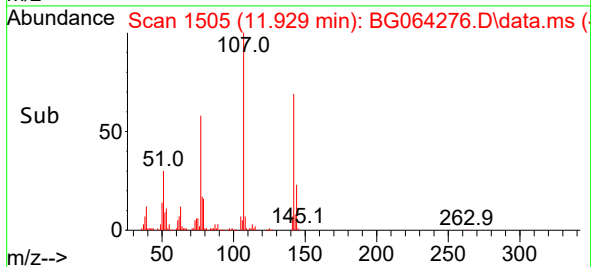
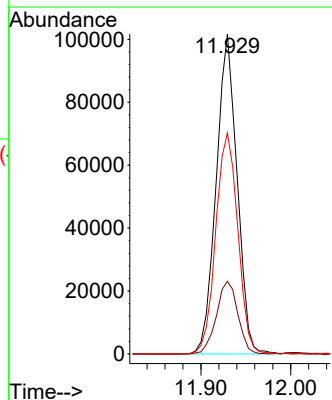
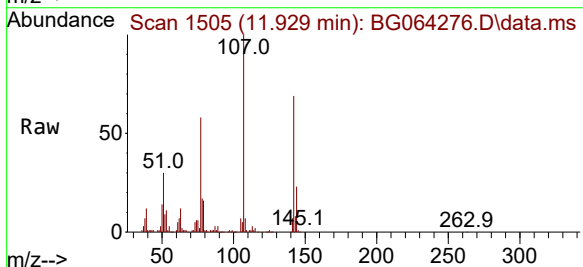
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

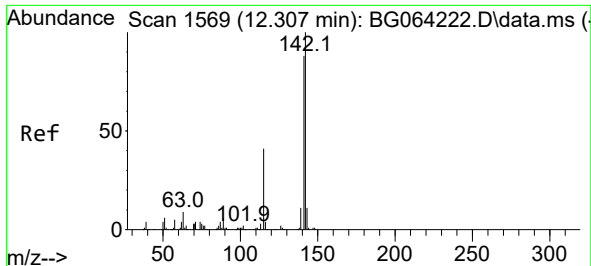
Tgt Ion:113 Resp: 44538
 Ion Ratio Lower Upper
 113 100
 55 210.1 218.5 258.5#
 56 165.9 138.5 178.5



#36
 4-Chloro-3-methylphenol
 Concen: 43.445 ng
 RT: 11.929 min Scan# 1505
 Delta R.T. -0.001 min
 Lab File: BG064276.D
 Acq: 4 Sep 2025 6:48

Tgt Ion:107 Resp: 164254
 Ion Ratio Lower Upper
 107 100
 144 22.7 19.5 29.3
 142 69.1 62.0 93.0





#37

2-Methylnaphthalene

Concen: 42.406 ng

RT: 12.300 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

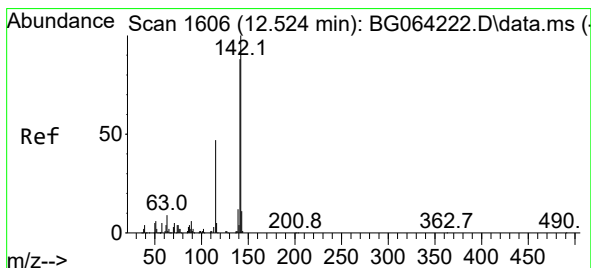
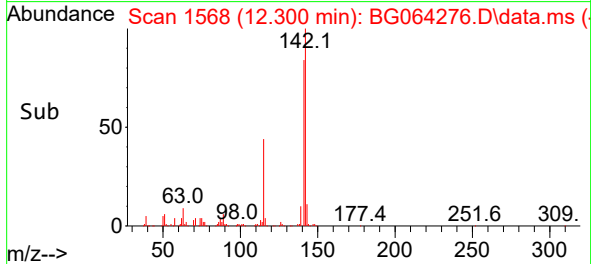
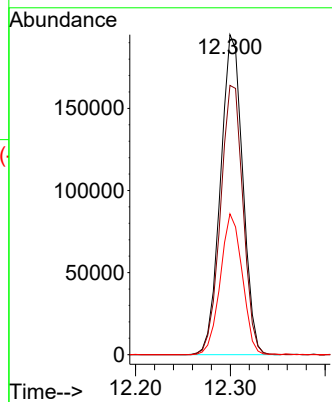
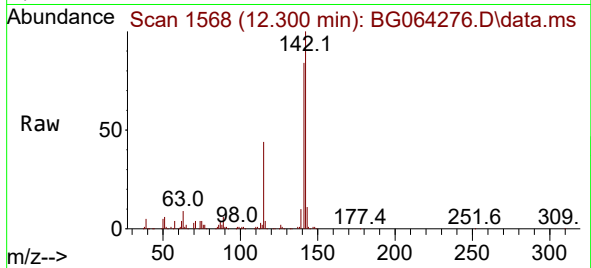
Tgt Ion:142 Resp: 317615

Ion Ratio Lower Upper

142 100

141 84.1 70.1 105.1

115 44.0 33.1 49.7



#38

1-Methylnaphthalene

Concen: 42.162 ng

RT: 12.523 min Scan# 1606

Delta R.T. -0.001 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

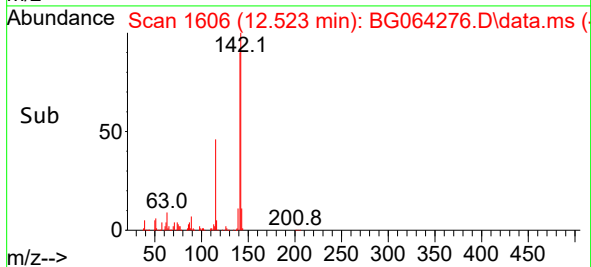
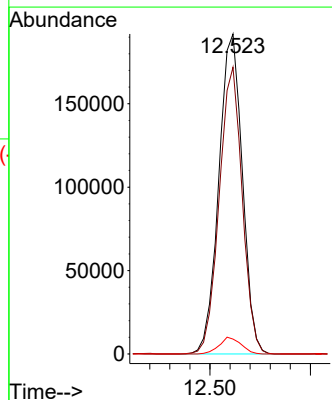
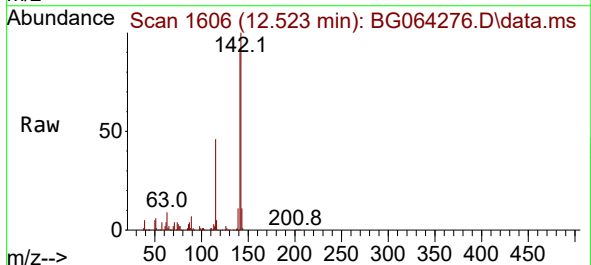
Tgt Ion:142 Resp: 311911

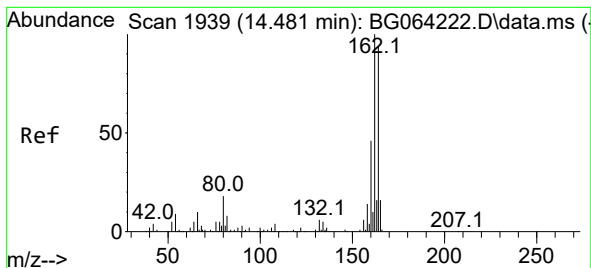
Ion Ratio Lower Upper

142 100

141 89.6 70.3 105.5

116 4.7 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.479 min Scan# 1939

Delta R.T. -0.002 min

Lab File: BG064276.D

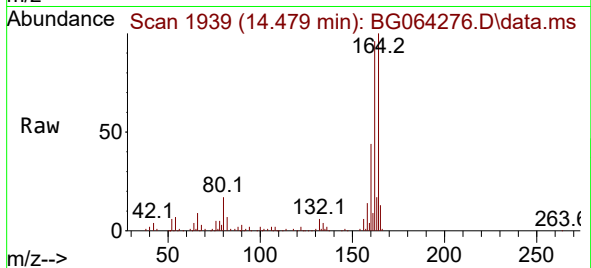
Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025



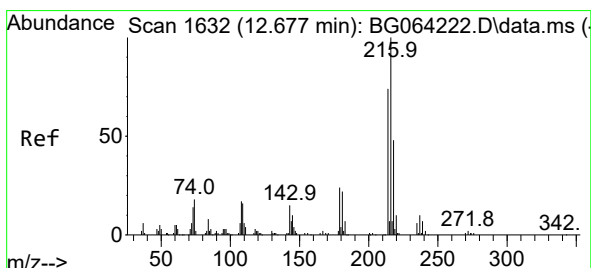
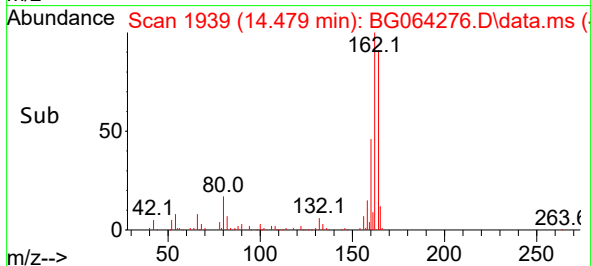
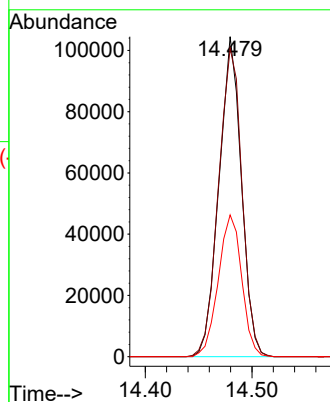
Tgt Ion:164 Resp: 152006

Ion Ratio Lower Upper

164 100

162 96.3 85.4 128.0

160 44.3 39.2 58.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.169 ng

RT: 12.670 min Scan# 1631

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Tgt Ion:216 Resp: 180560

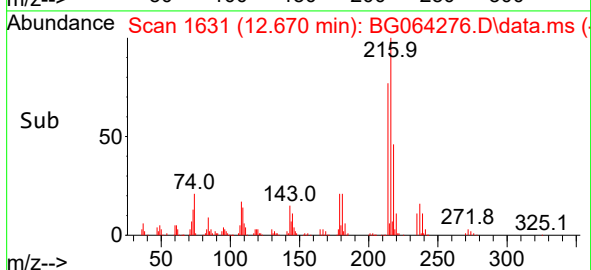
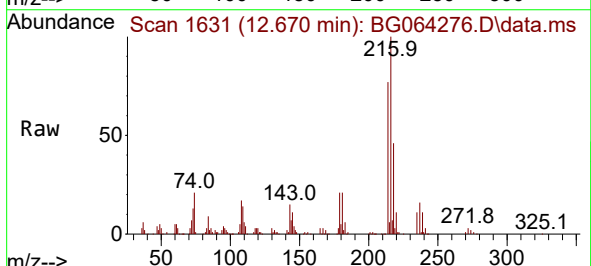
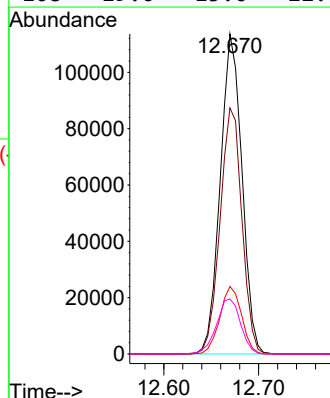
Ion Ratio Lower Upper

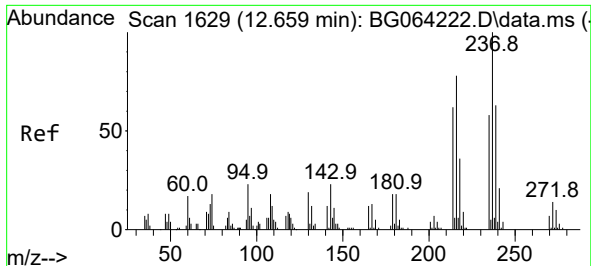
216 100

214 77.3 61.9 92.9

179 21.1 17.9 26.9

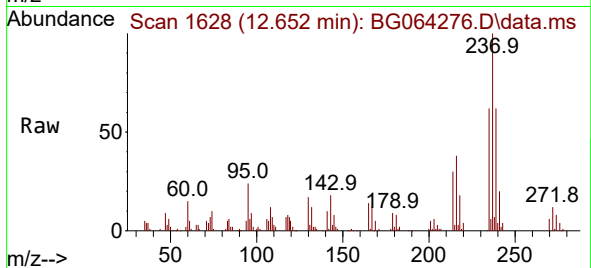
108 19.0 15.0 22.4



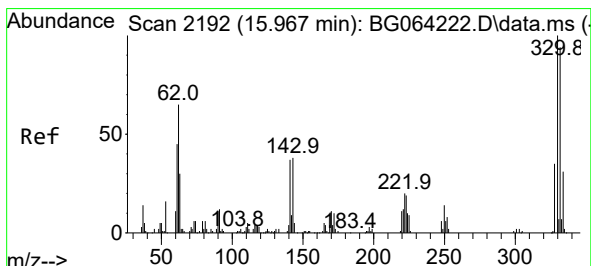
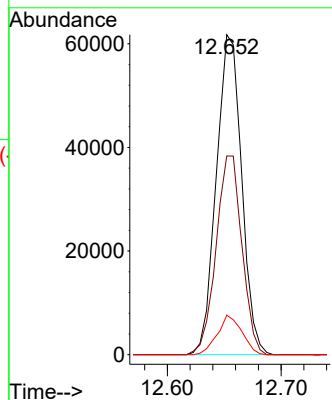
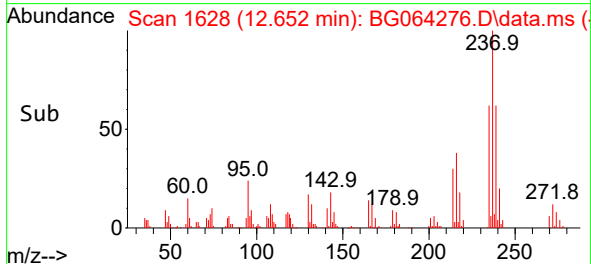


#41
Hexachlorocyclopentadiene
Concen: 45.850 ng
RT: 12.652 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

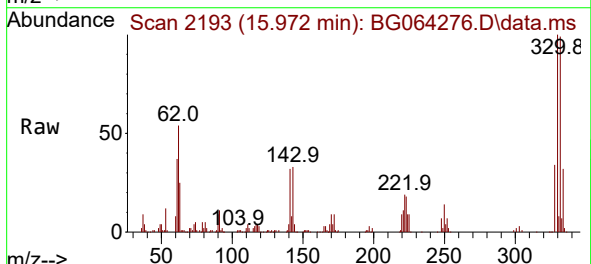
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025



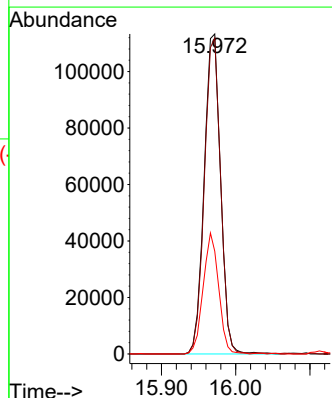
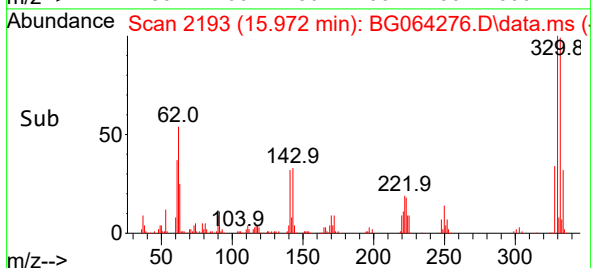
Tgt Ion:237 Resp: 95573
Ion Ratio Lower Upper
237 100
235 62.1 37.9 77.9
272 12.4 0.0 33.8

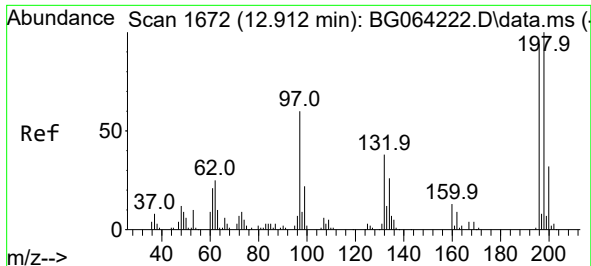


#42
2,4,6-Tribromophenol
Concen: 86.524 ng
RT: 15.972 min Scan# 2193
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48



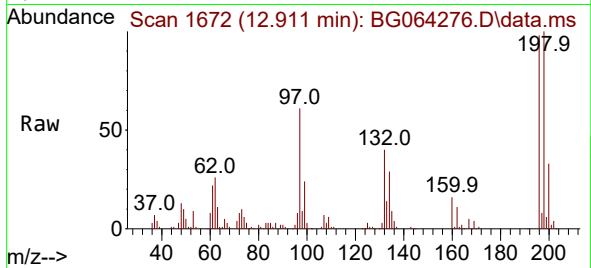
Tgt Ion:330 Resp: 174207
Ion Ratio Lower Upper
330 100
332 97.4 77.6 116.4
141 35.7 29.8 44.6



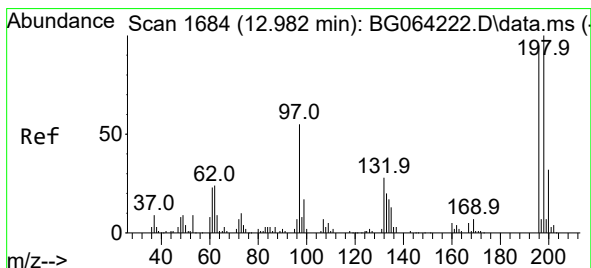
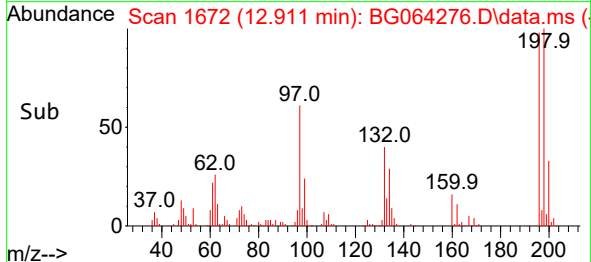
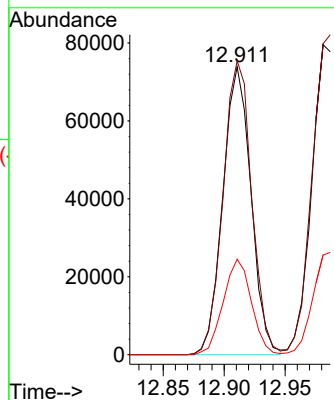


#43
2,4,6-Trichlorophenol
Concen: 40.452 ng
RT: 12.911 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

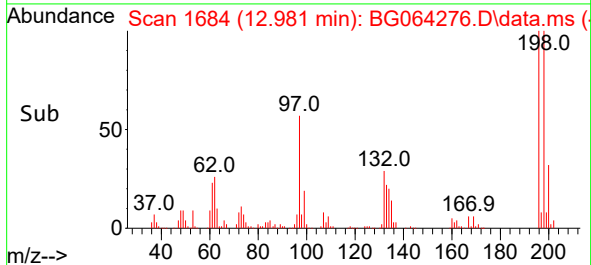
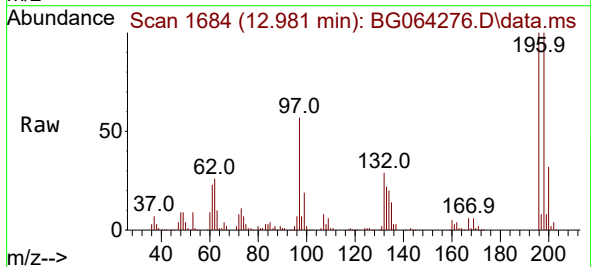
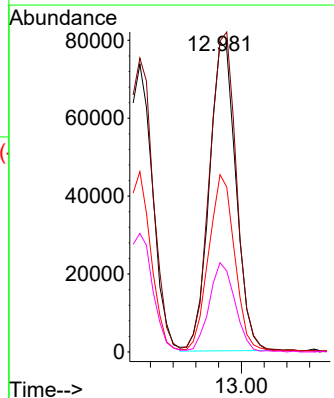


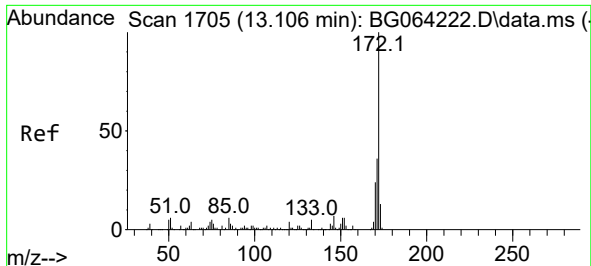
Tgt Ion:196 Resp: 118583
Ion Ratio Lower Upper
196 100
198 102.1 85.4 128.2
200 33.2 27.3 40.9



#44
2,4,5-Trichlorophenol
Concen: 40.556 ng
RT: 12.981 min Scan# 1684
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:196 Resp: 128967
Ion Ratio Lower Upper
196 100
198 100.3 84.5 126.7
97 57.2 46.8 70.2
132 28.8 23.4 35.2

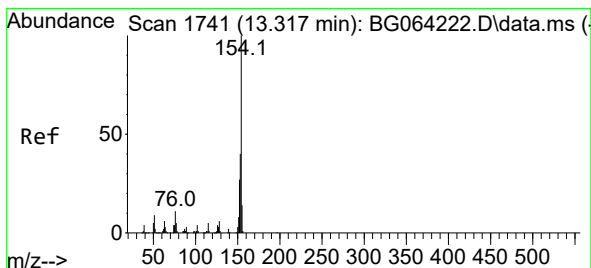
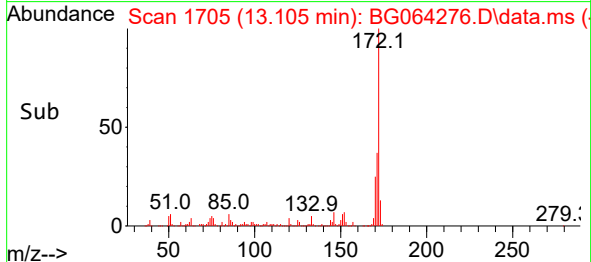
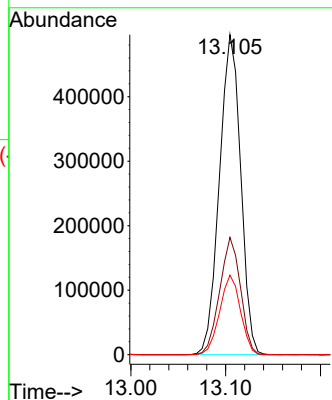
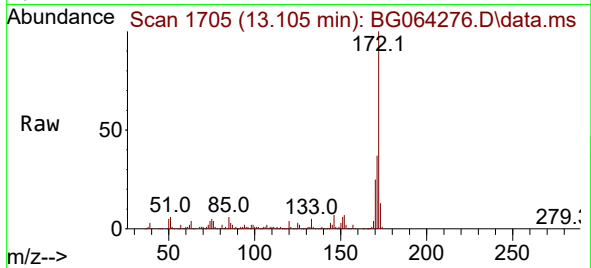




#45
2-Fluorobiphenyl
Concen: 77.607 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

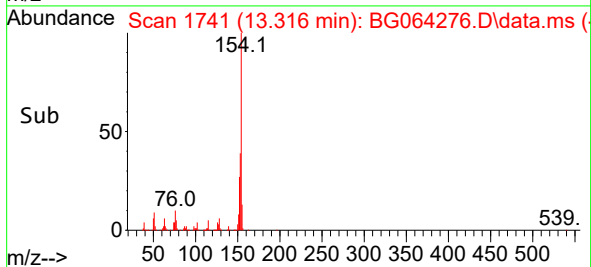
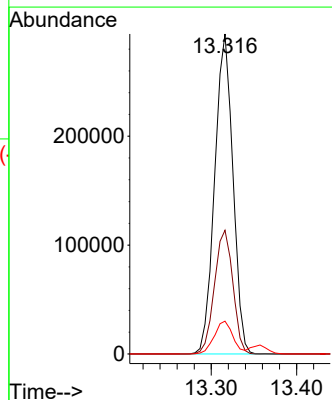
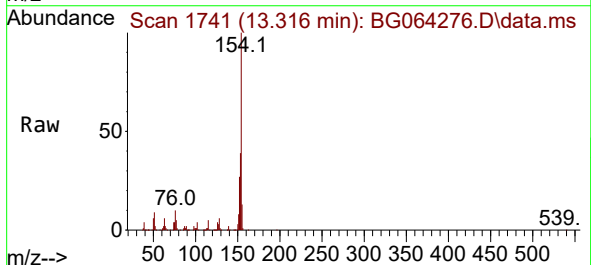
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

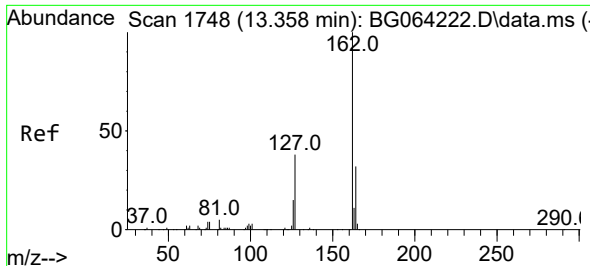
Tgt Ion:172 Resp: 772867
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 24.9 19.0 28.6



#46
1,1'-Biphenyl
Concen: 39.345 ng
RT: 13.316 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:154 Resp: 435596
Ion Ratio Lower Upper
154 100
153 38.7 19.9 59.9
76 10.3 0.0 30.9

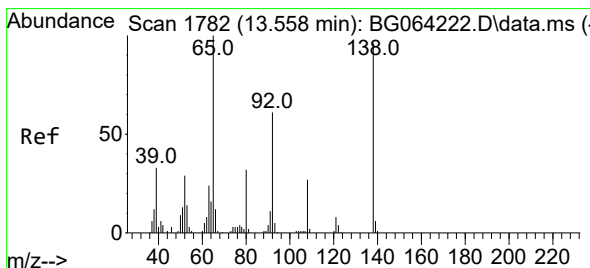
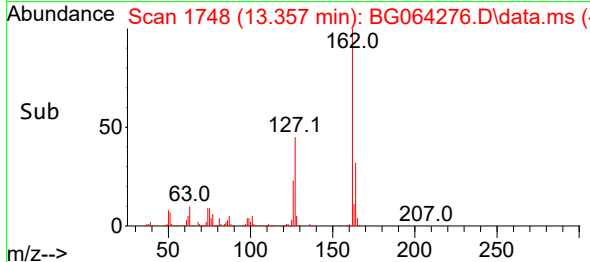
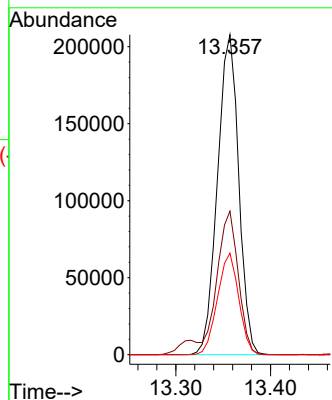
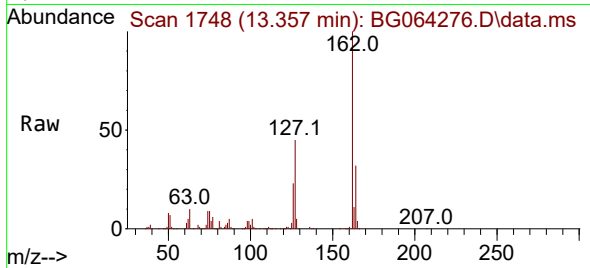




#47
2-Chloronaphthalene
Concen: 38.926 ng
RT: 13.357 min Scan# 1748
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

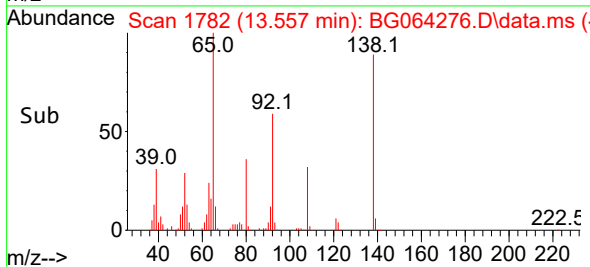
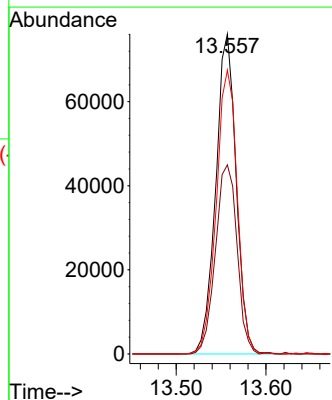
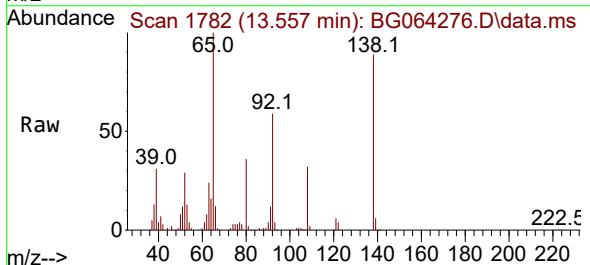
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

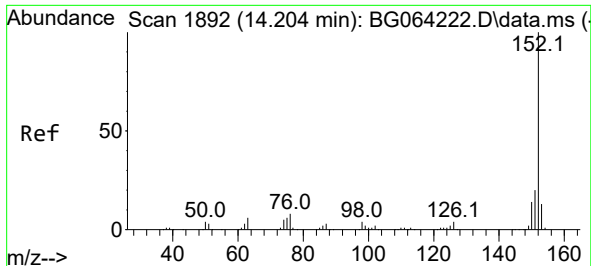
Tgt Ion:162 Resp: 323996
Ion Ratio Lower Upper
162 100
127 44.8 33.9 50.9
164 31.7 25.4 38.2



#48
2-Nitroaniline
Concen: 42.374 ng
RT: 13.557 min Scan# 1782
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion: 65 Resp: 120210
Ion Ratio Lower Upper
65 100
92 59.1 49.2 73.8
138 88.7 76.8 115.2

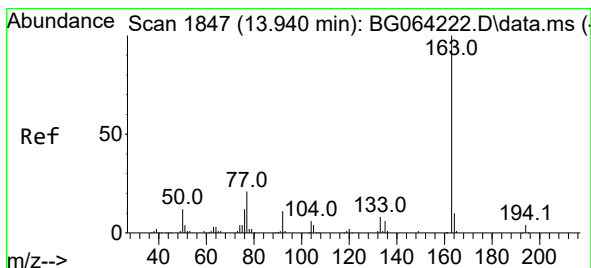
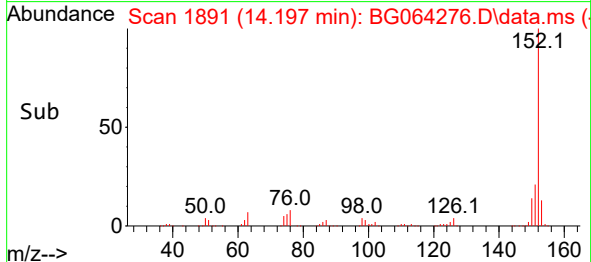
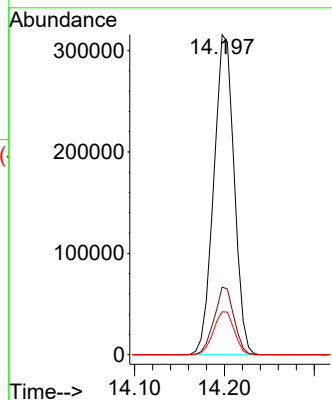
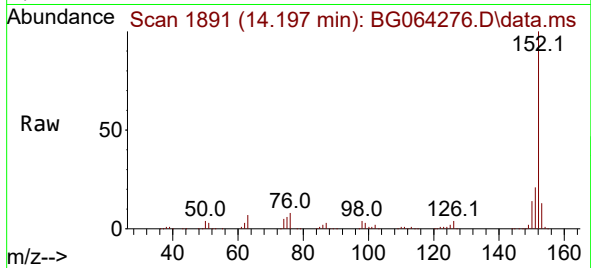




#49
Acenaphthylene
Concen: 40.392 ng
RT: 14.197 min Scan# 1891
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

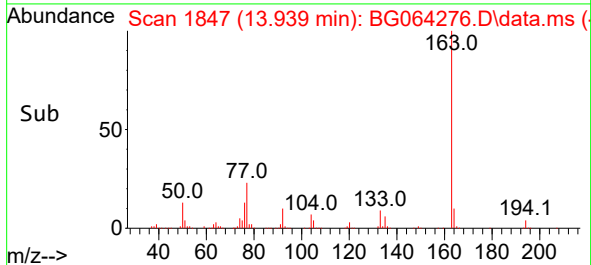
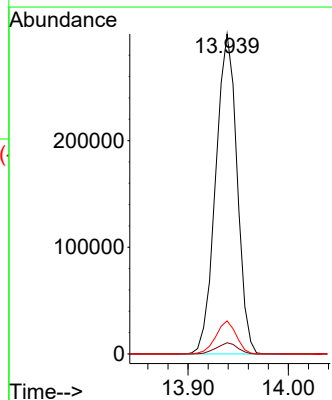
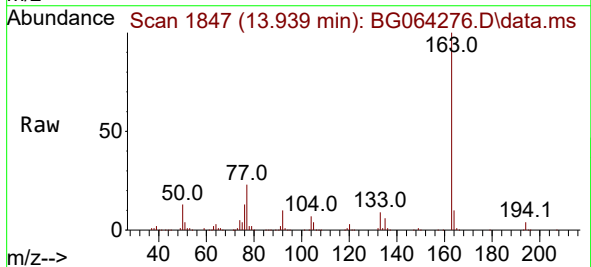
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

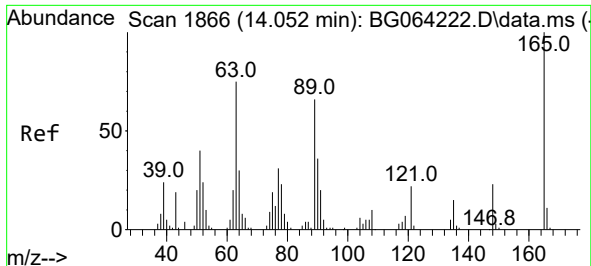
Tgt Ion:152 Resp: 496972
Ion Ratio Lower Upper
152 100
151 21.1 16.2 24.2
153 13.4 10.1 15.1



#50
Dimethylphthalate
Concen: 38.538 ng
RT: 13.939 min Scan# 1847
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:163 Resp: 443398
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.4 7.9 11.9

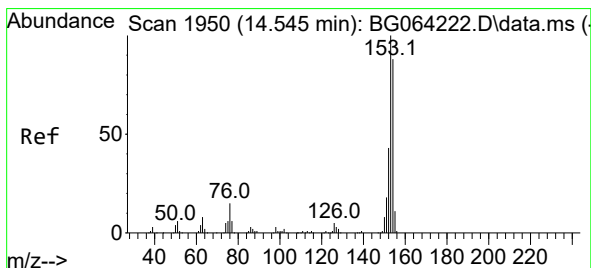
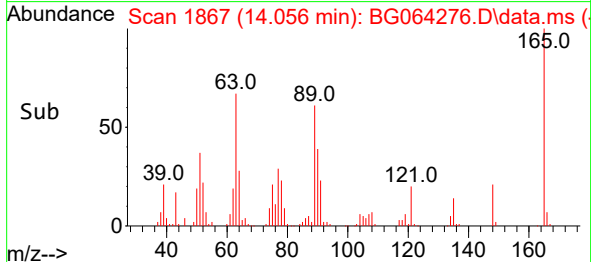
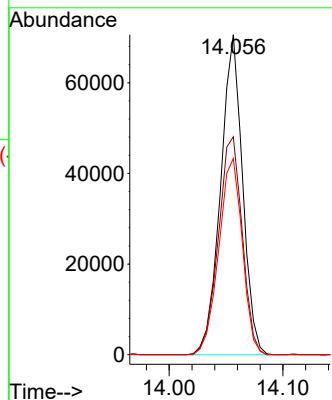
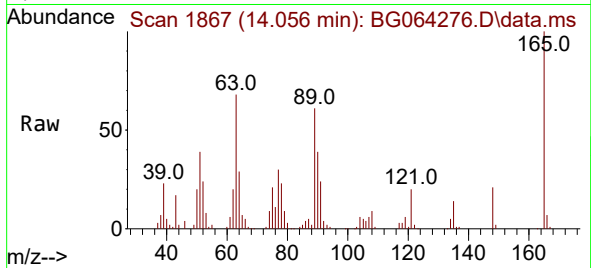




#51
2,6-Dinitrotoluene
Concen: 42.574 ng
RT: 14.056 min Scan# 1866
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

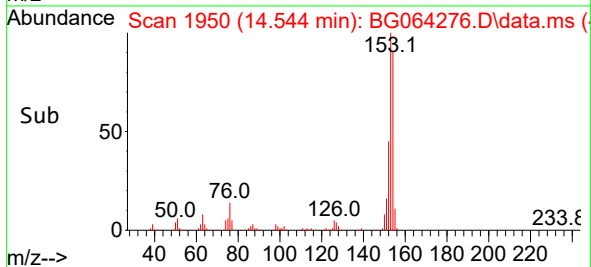
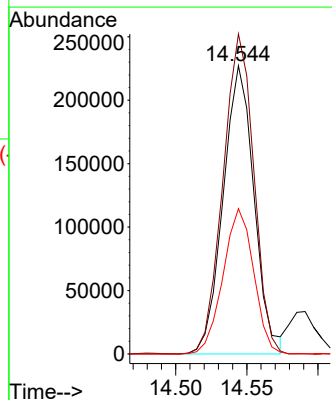
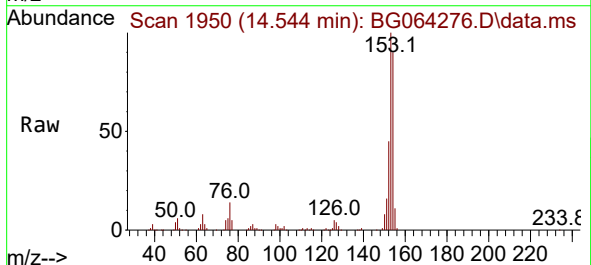
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

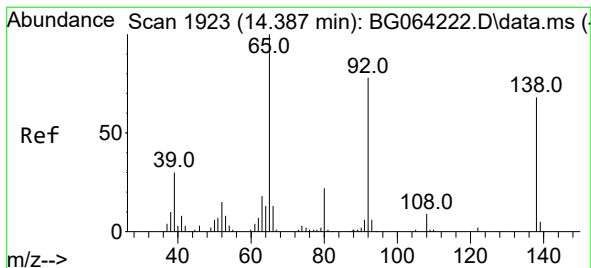
Tgt Ion:165 Resp: 94829
Ion Ratio Lower Upper
165 100
63 68.1 60.3 90.5
89 61.3 52.9 79.3



#52
Acenaphthene
Concen: 39.573 ng
RT: 14.544 min Scan# 1950
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:154 Resp: 343606
Ion Ratio Lower Upper
154 100
153 111.0 91.1 136.7
152 50.4 39.6 59.4





#53

3-Nitroaniline

Concen: 40.394 ng

RT: 14.385 min Scan# 1923

Delta R.T. -0.001 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

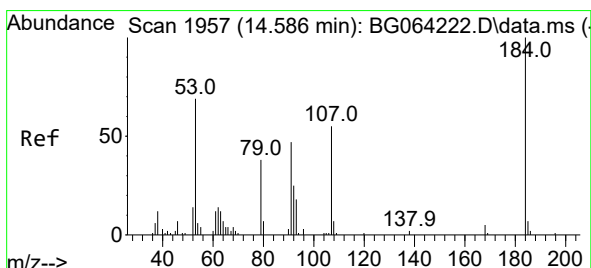
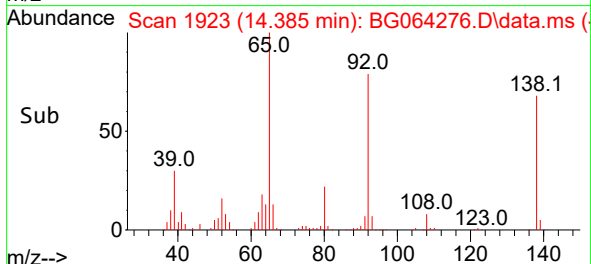
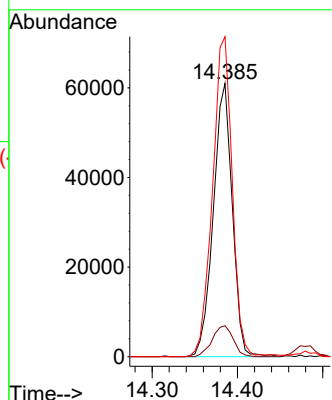
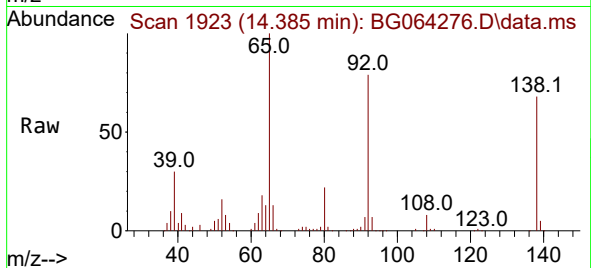
Tgt Ion:138 Resp: 94246

Ion Ratio Lower Upper

138 100

108 11.4 11.0 16.6

92 117.1 91.4 137.0



#54

2,4-Dinitrophenol

Concen: 42.214 ng

RT: 14.585 min Scan# 1957

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

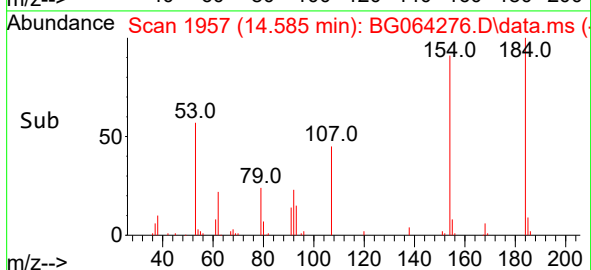
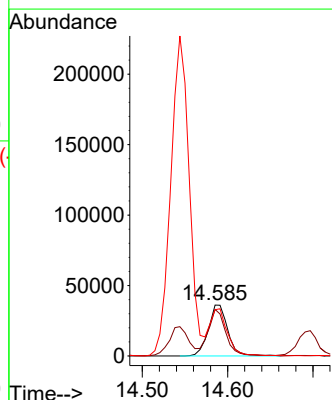
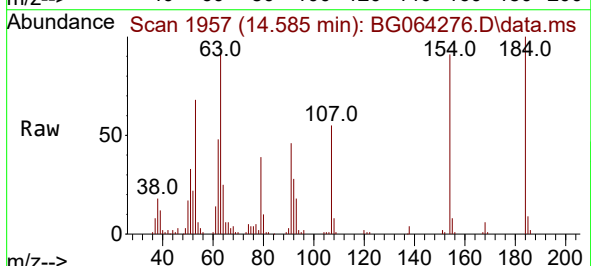
Tgt Ion:184 Resp: 57254

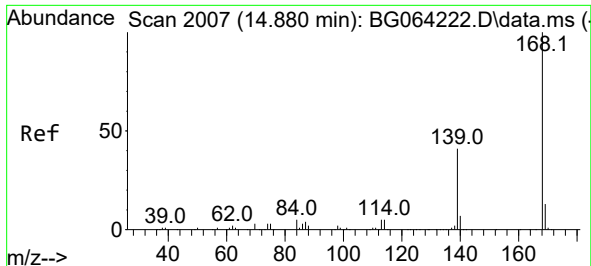
Ion Ratio Lower Upper

184 100

63 91.6 60.1 90.1#

154 90.8 59.8 89.8#

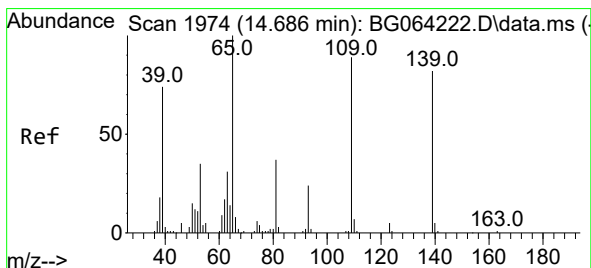
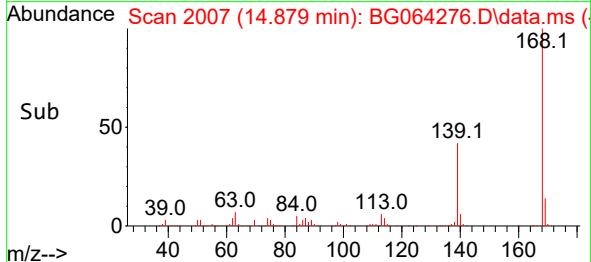
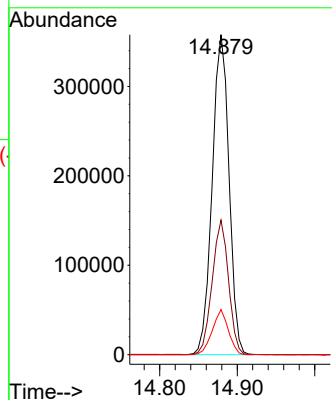
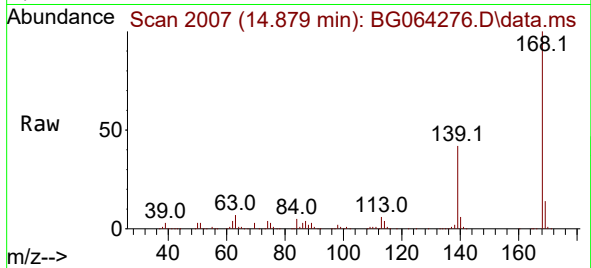




#55
Dibenzofuran
Concen: 39.425 ng
RT: 14.879 min Scan# 2007
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

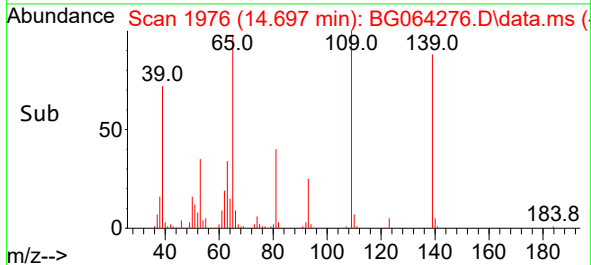
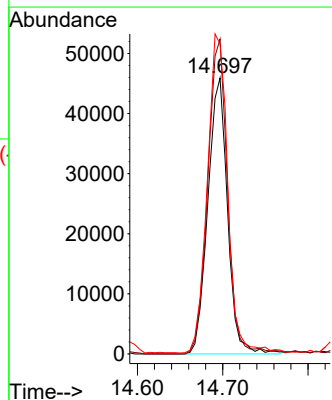
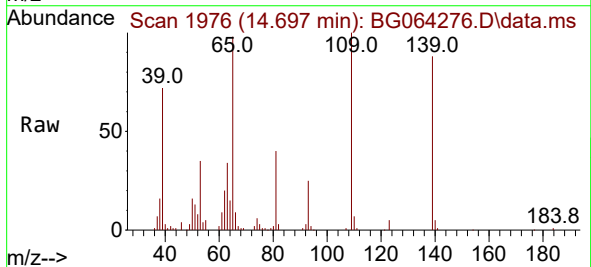
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

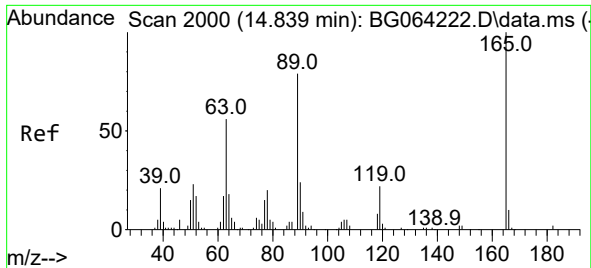
Tgt Ion:168 Resp: 538449
Ion Ratio Lower Upper
168 100
139 42.0 33.2 49.8
169 14.1 10.4 15.6



#56
4-Nitrophenol
Concen: 38.532 ng
RT: 14.697 min Scan# 1976
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:139 Resp: 73747
Ion Ratio Lower Upper
139 100
109 114.1 89.1 129.1
65 112.2 102.9 142.9

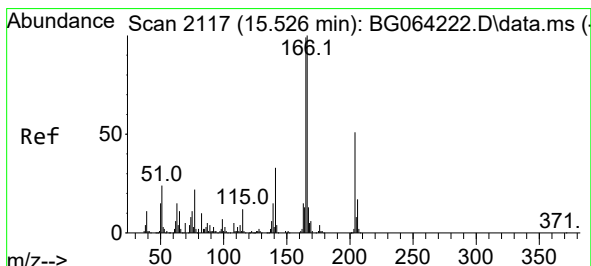
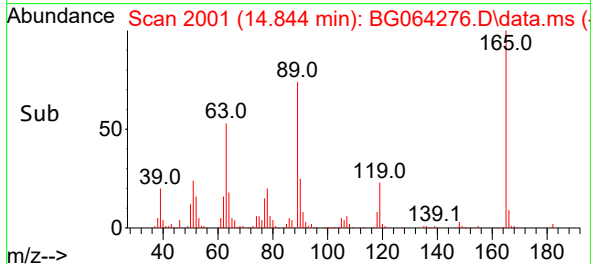
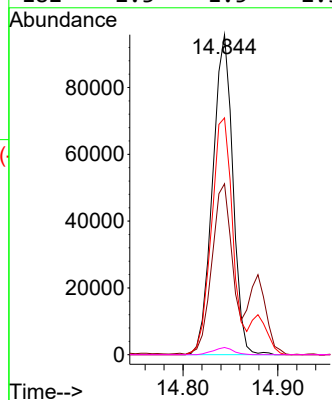
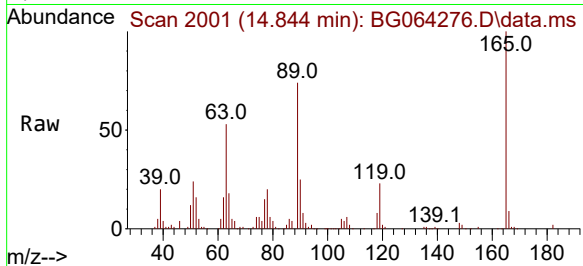




#57
2,4-Dinitrotoluene
Concen: 42.133 ng
RT: 14.844 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

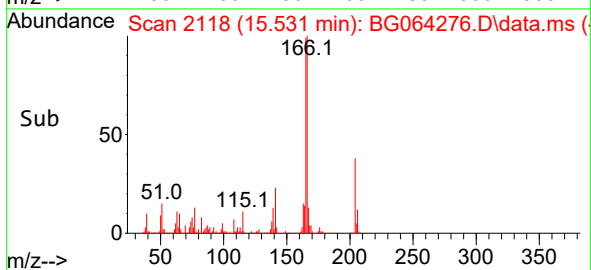
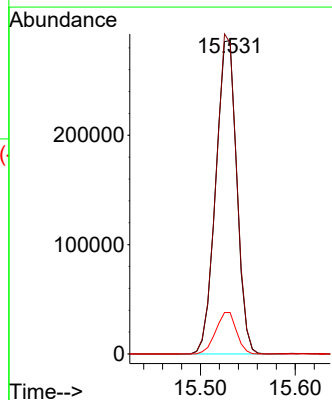
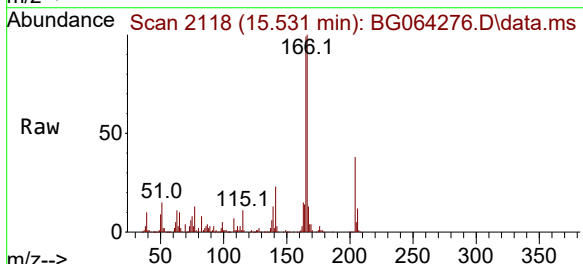
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

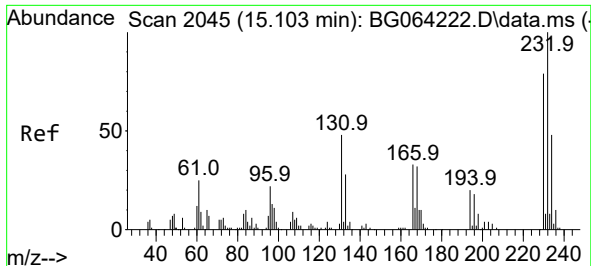
Tgt	Ion:165	Resp:	141897
Ion	Ratio	Lower	Upper
165	100		
63	53.4	44.6	67.0
89	74.0	63.0	94.4
182	2.3	1.5	2.3



#58
Fluorene
Concen: 39.361 ng
RT: 15.531 min Scan# 2118
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:166	Resp:	440607	
Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.1	118.7
167	13.2	10.2	15.4

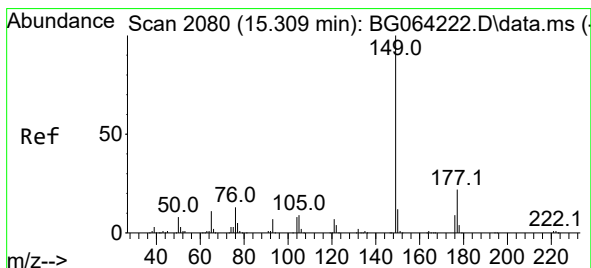
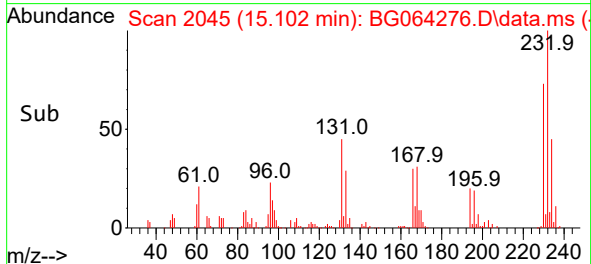
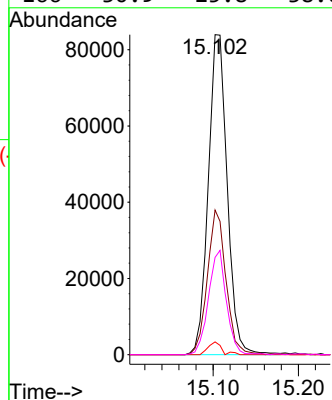
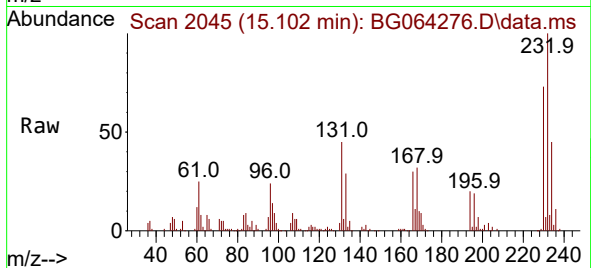




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.393 ng
RT: 15.102 min Scan# 2045
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

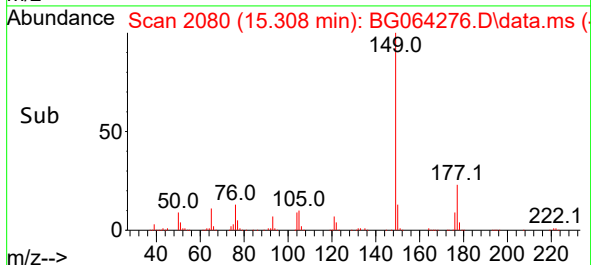
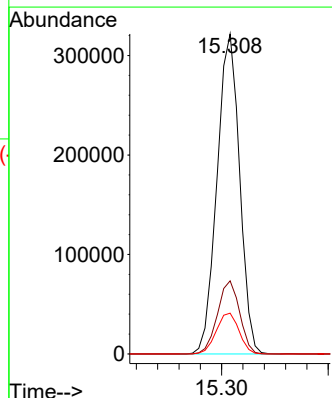
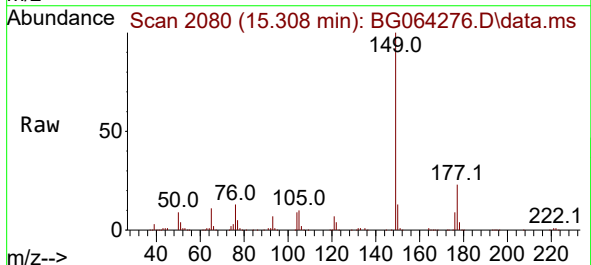
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

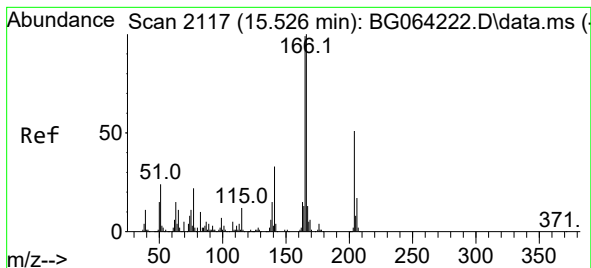
Tgt Ion:232 Resp: 129659
Ion Ratio Lower Upper
232 100
131 44.3 37.1 55.7
130 2.9 2.6 3.8
166 30.9 25.8 38.6



#60
Diethylphthalate
Concen: 38.373 ng
RT: 15.308 min Scan# 2080
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:149 Resp: 472500
Ion Ratio Lower Upper
149 100
177 22.8 17.5 26.3
150 12.8 9.9 14.9

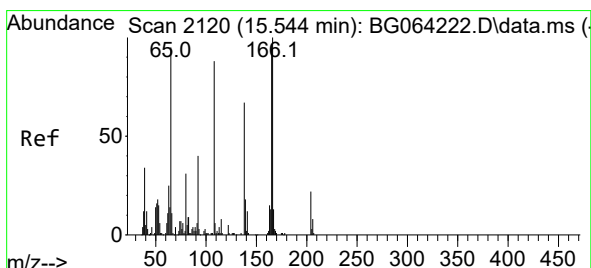
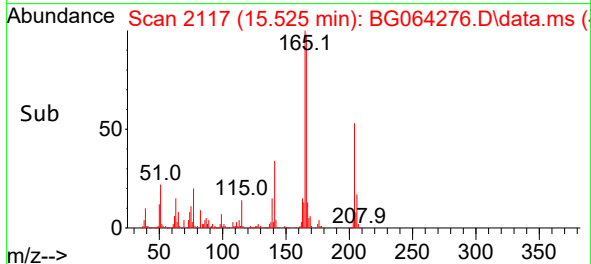
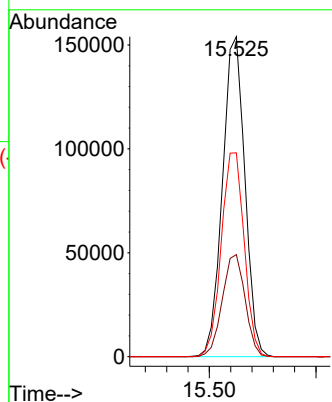
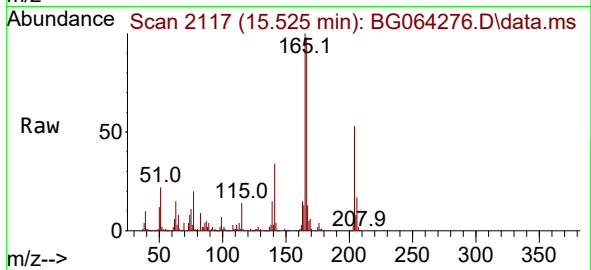




#61
4-Chlorophenyl-phenylether
Concen: 40.166 ng
RT: 15.525 min Scan# 2117
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

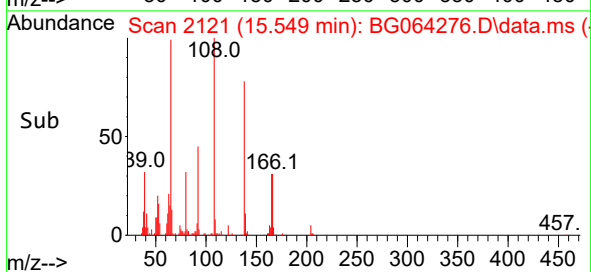
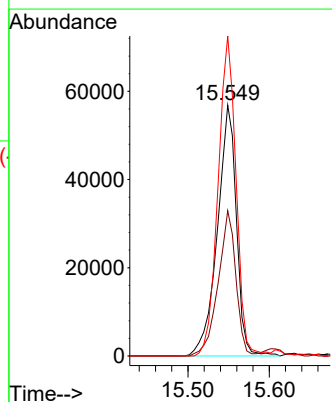
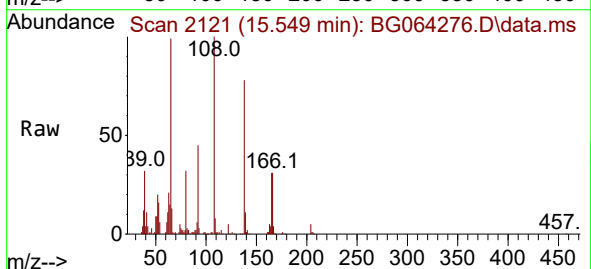
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

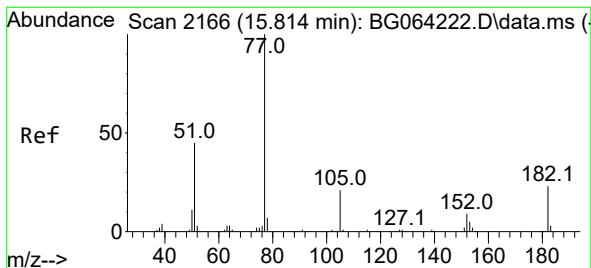
Tgt Ion:204 Resp: 224173
Ion Ratio Lower Upper
204 100
206 31.9 26.2 39.4
141 63.7 51.9 77.9



#62
4-Nitroaniline
Concen: 38.883 ng
RT: 15.549 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:138 Resp: 92574
Ion Ratio Lower Upper
138 100
92 57.9 39.1 79.1
108 127.5 111.3 151.3





#63

Azobenzene

Concen: 38.931 ng

RT: 15.813 min Scan# 2166

Delta R.T. -0.007 min

Lab File: BG064276.D

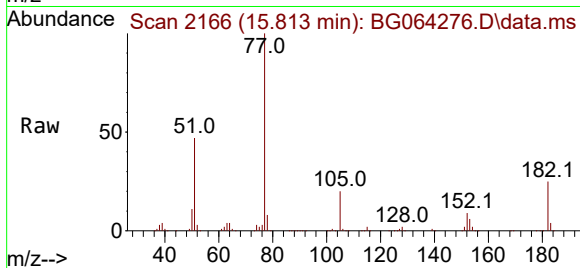
Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion: 77 Resp: 427264

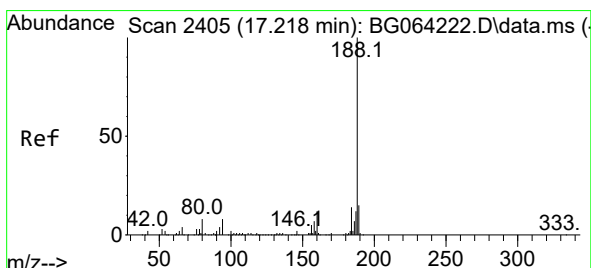
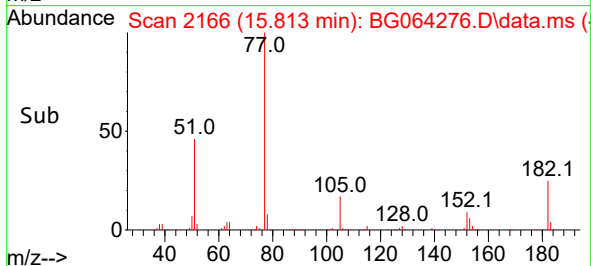
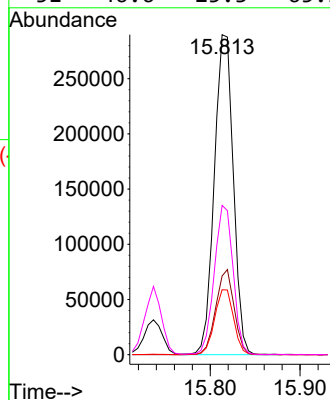
Ion Ratio Lower Upper

77 100

182 24.6 3.3 43.3

105 20.3 0.6 40.6

51 46.6 25.3 65.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.217 min Scan# 2405

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

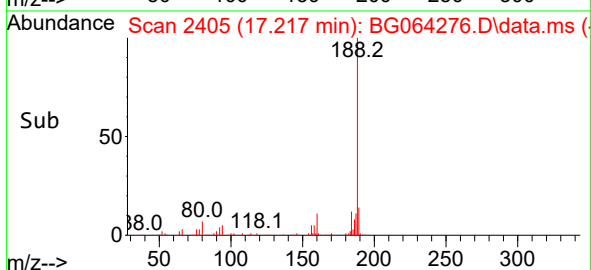
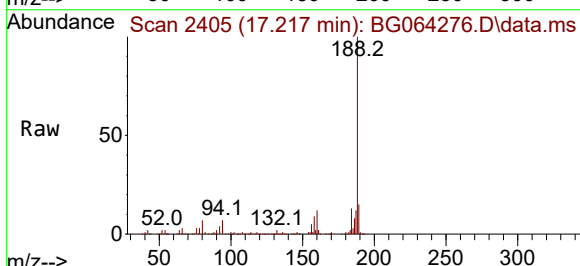
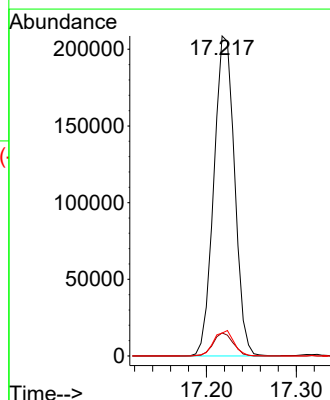
Tgt Ion:188 Resp: 334689

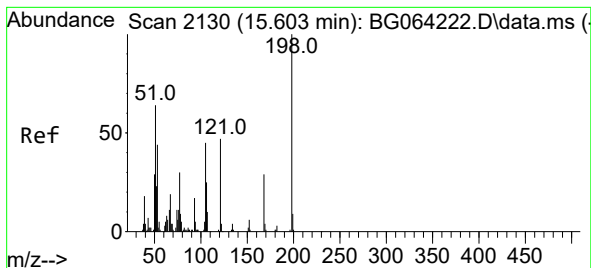
Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

80 7.2 6.8 10.2

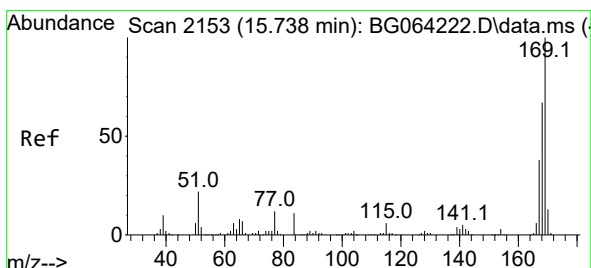
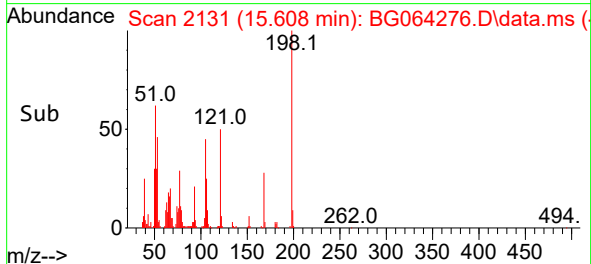
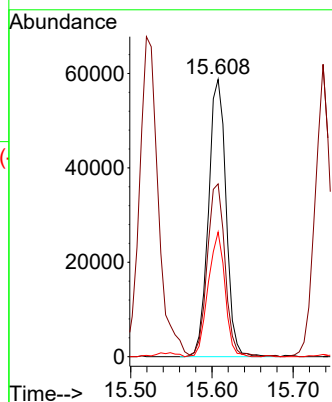
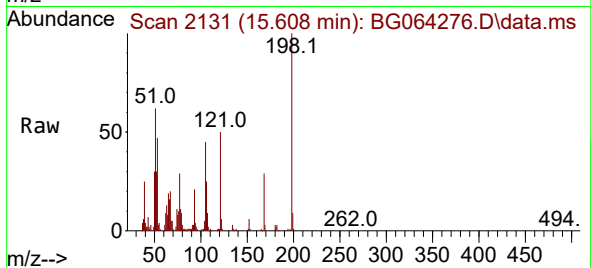




#65
4,6-Dinitro-2-methylphenol
Concen: 45.840 ng
RT: 15.608 min Scan# 2130
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

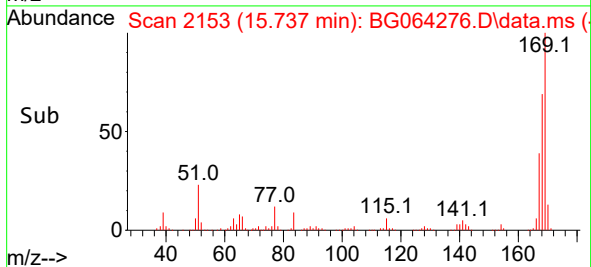
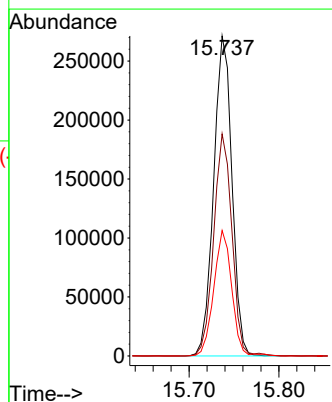
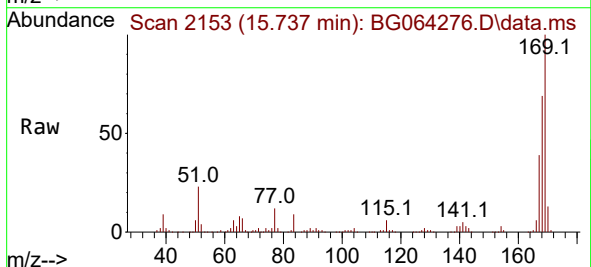
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

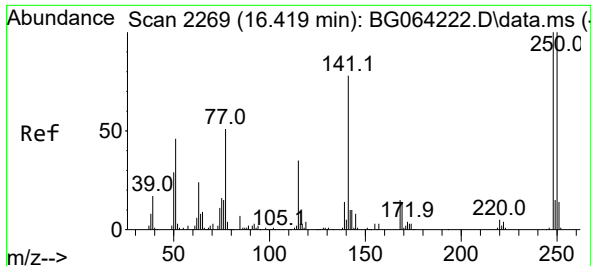
Tgt Ion:198 Resp: 88084
Ion Ratio Lower Upper
198 100
51 62.3 46.2 86.2
105 44.9 25.0 65.0



#66
n-Nitrosodiphenylamine
Concen: 41.674 ng
RT: 15.737 min Scan# 2153
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:169 Resp: 383696
Ion Ratio Lower Upper
169 100
168 69.4 53.8 80.8
167 39.2 30.2 45.2

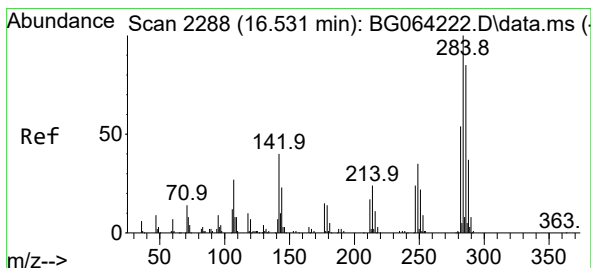
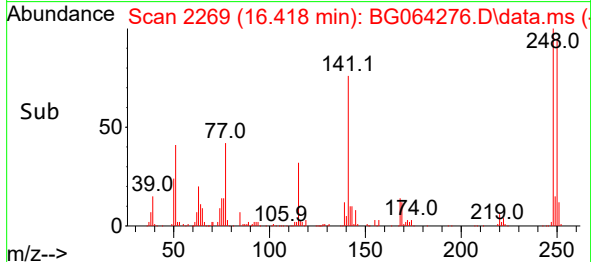
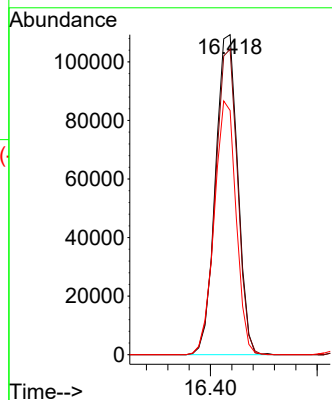
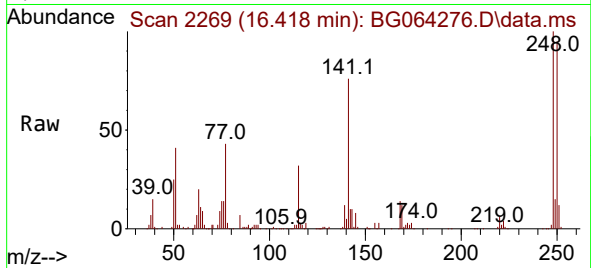




#67
4-Bromophenyl-phenylether
Concen: 44.414 ng
RT: 16.418 min Scan# 2118
Delta R.T. -0.001 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

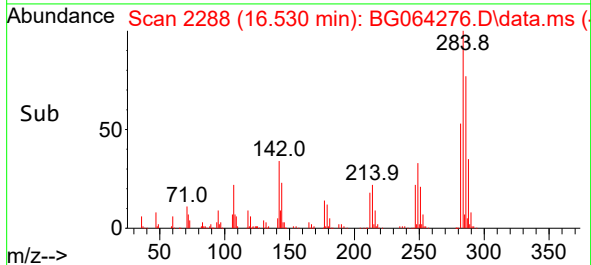
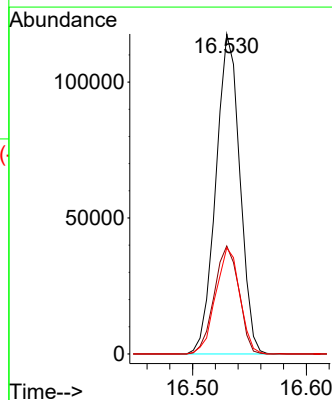
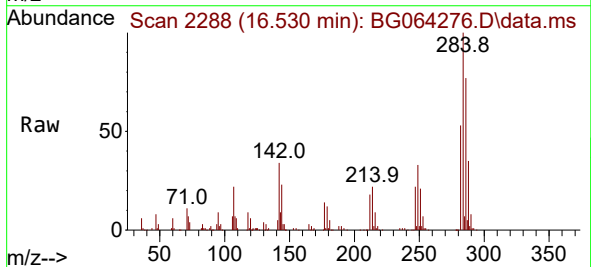
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

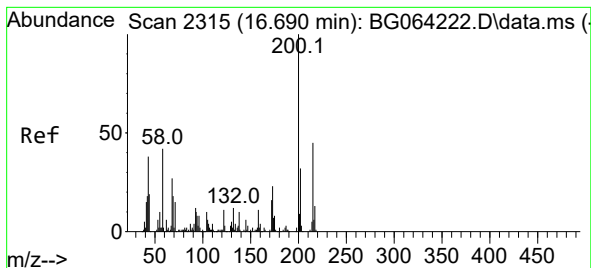
Tgt Ion:248 Resp: 157883
Ion Ratio Lower Upper
248 100
250 95.4 80.2 120.4
141 76.3 62.4 93.6



#68
Hexachlorobenzene
Concen: 43.724 ng
RT: 16.530 min Scan# 2288
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:284 Resp: 172602
Ion Ratio Lower Upper
284 100
142 33.8 32.1 48.1
249 33.2 28.3 42.5





#69

Atrazine

Concen: 35.210 ng

RT: 16.689 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

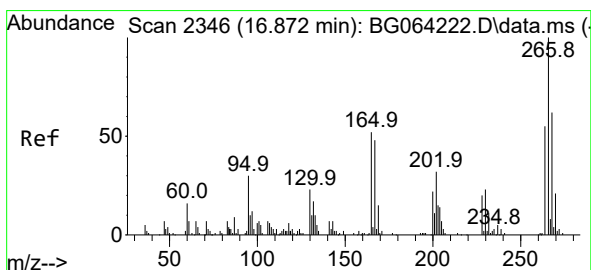
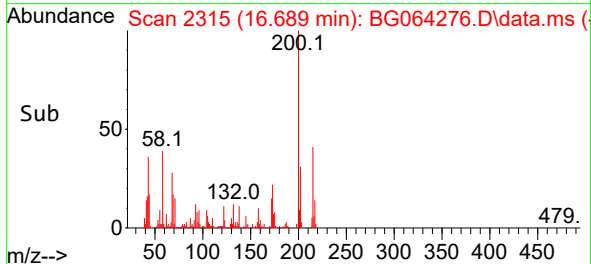
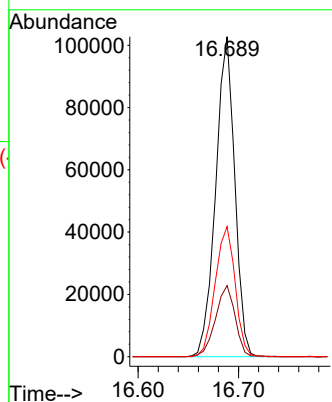
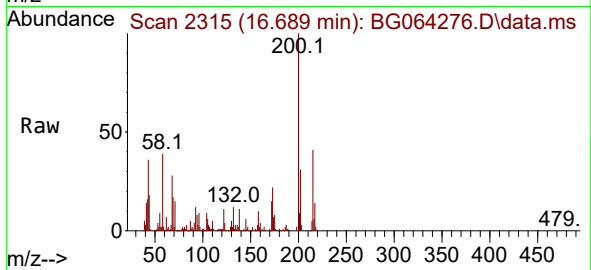
Tgt Ion:200 Resp: 135360

Ion Ratio Lower Upper

200 100

173 22.2 3.5 43.5

215 40.7 24.8 64.8



#70

Pentachlorophenol

Concen: 43.529 ng

RT: 16.871 min Scan# 2346

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

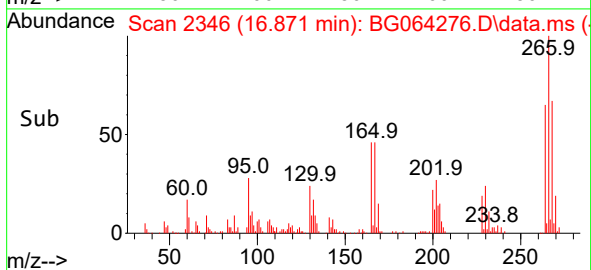
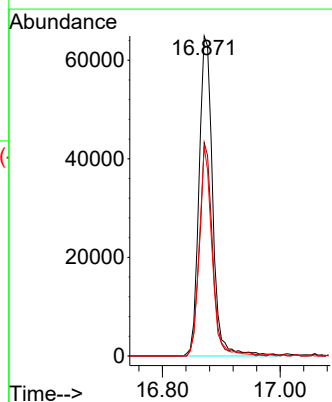
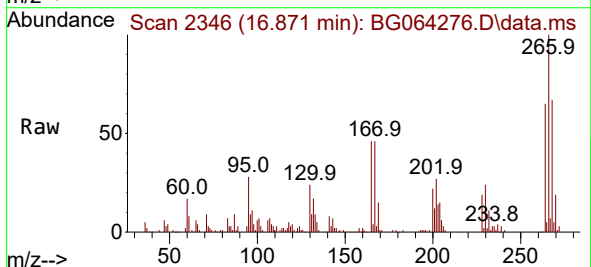
Tgt Ion:266 Resp: 104189

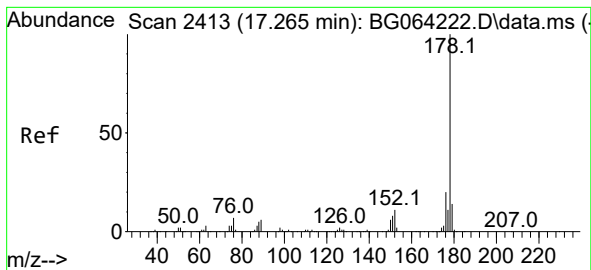
Ion Ratio Lower Upper

266 100

268 66.7 49.4 74.0

264 65.4 44.3 66.5





#71

Phenanthrene

Concen: 40.123 ng

RT: 17.264 min Scan# 2413

Delta R.T. -0.001 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

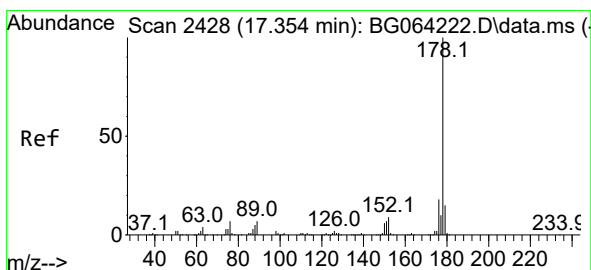
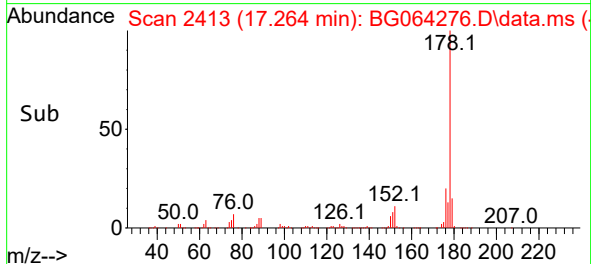
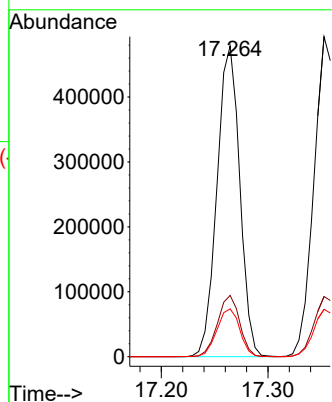
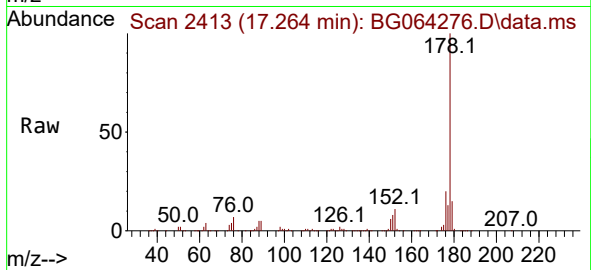
Tgt Ion:178 Resp: 708272

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 15.4 11.4 17.2



#72

Anthracene

Concen: 40.238 ng

RT: 17.353 min Scan# 2428

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

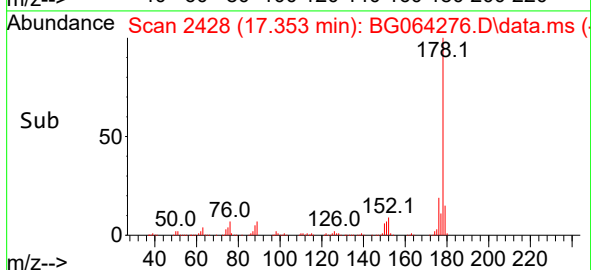
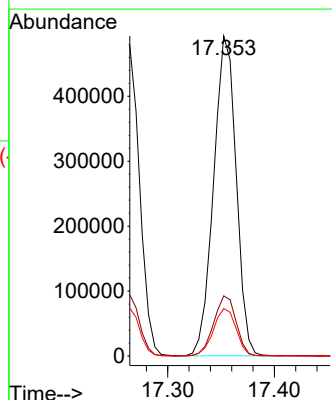
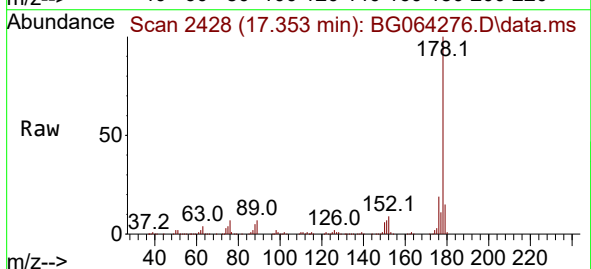
Tgt Ion:178 Resp: 722527

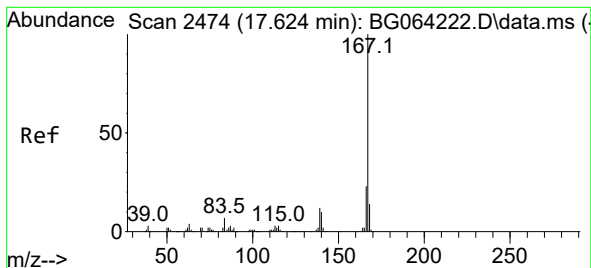
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 14.8 12.1 18.1





#73

Carbazole

Concen: 36.297 ng

RT: 17.623 min Scan# 24

Delta R.T. -0.001 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

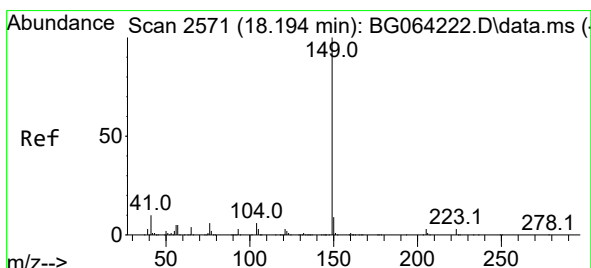
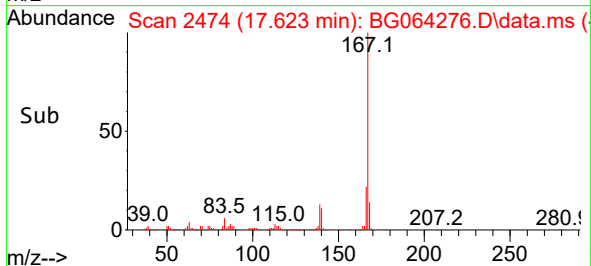
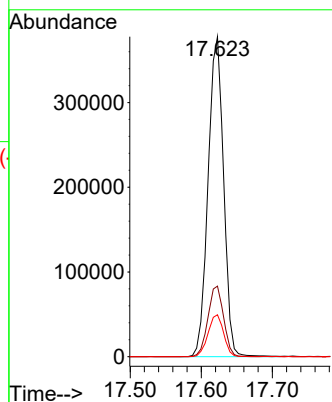
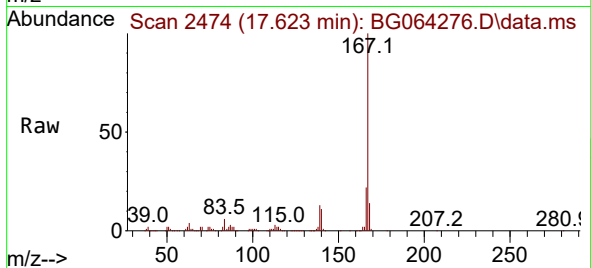
Tgt Ion:167 Resp: 574166

Ion Ratio Lower Upper

167 100

166 22.0 18.2 27.2

139 13.1 9.8 14.6



#74

Di-n-butylphthalate

Concen: 32.417 ng

RT: 18.187 min Scan# 2570

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

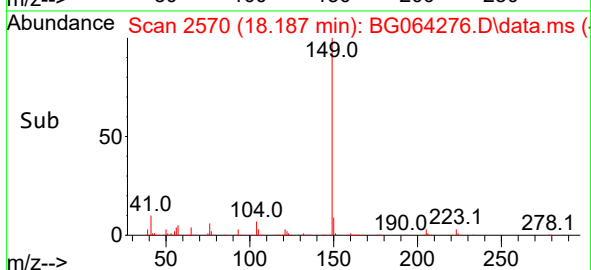
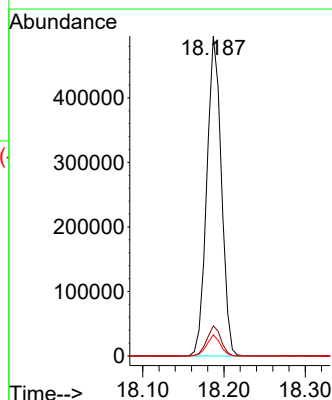
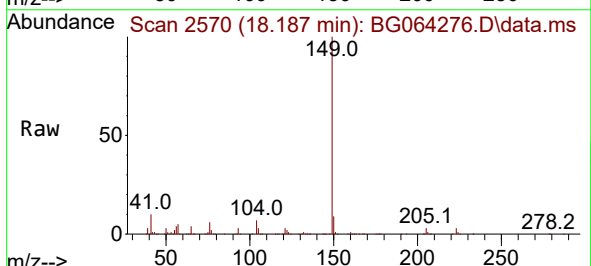
Tgt Ion:149 Resp: 616076

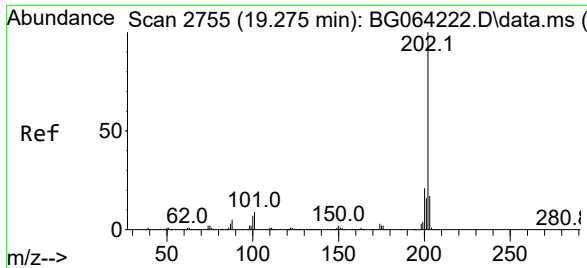
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 6.6 4.6 7.0

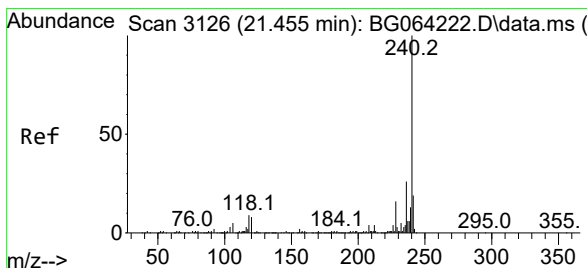
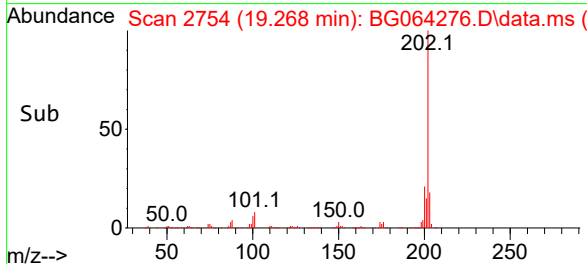
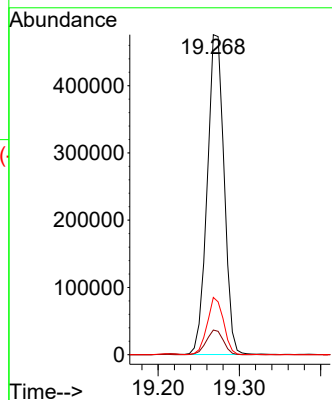
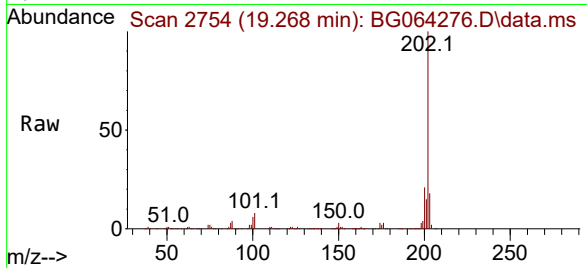




#75
Fluoranthene
Concen: 32.897 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

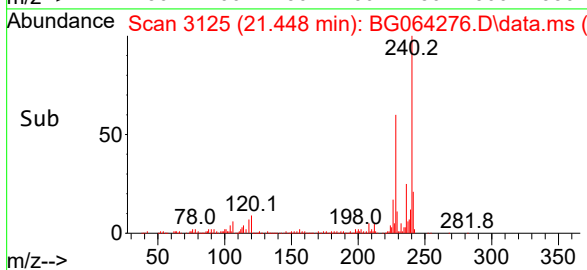
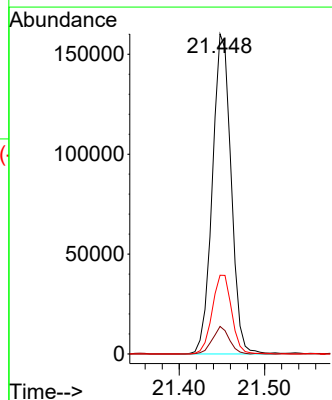
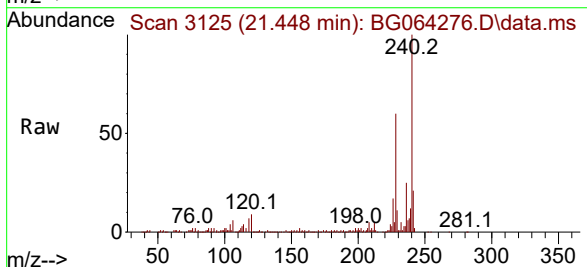
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

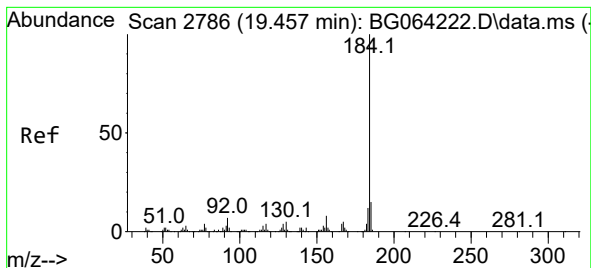
Tgt Ion:202 Resp: 682817
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.7
203 17.9 0.0 36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:240 Resp: 243865
Ion Ratio Lower Upper
240 100
120 8.6 6.2 9.4
236 24.6 20.5 30.7





#77

Benzidine

Concen: 41.253 ng

RT: 19.450 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

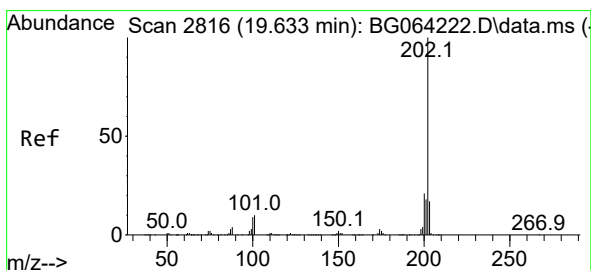
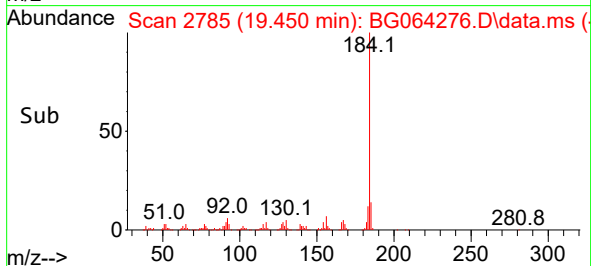
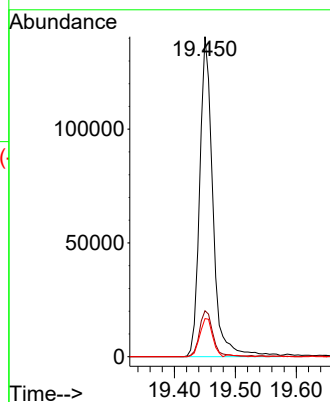
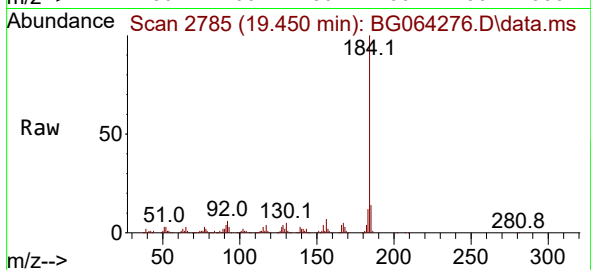
Tgt Ion:184 Resp: 211630

Ion Ratio Lower Upper

184 100

185 14.3 11.7 17.5

183 11.9 9.7 14.5



#78

Pyrene

Concen: 44.293 ng

RT: 19.632 min Scan# 2816

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

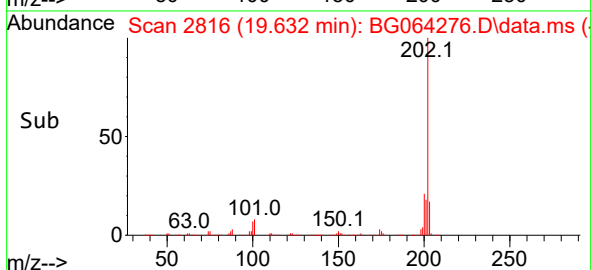
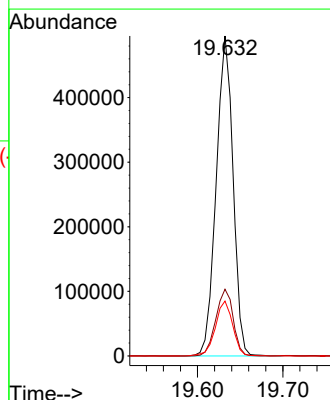
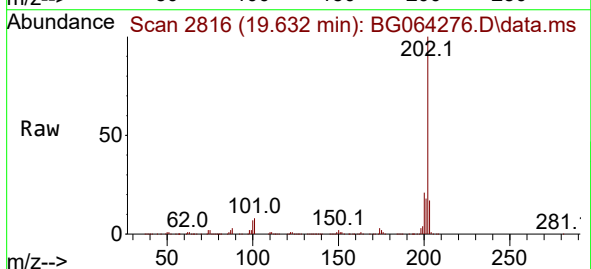
Tgt Ion:202 Resp: 680514

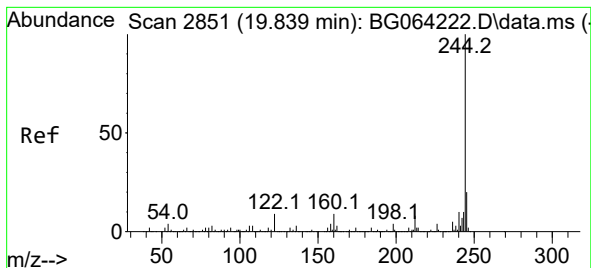
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.1 13.8 20.8





#79

Terphenyl-d14

Concen: 84.745 ng

RT: 19.838 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

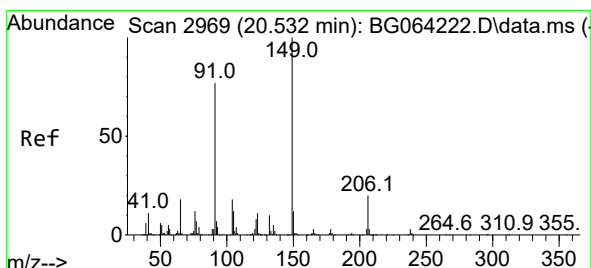
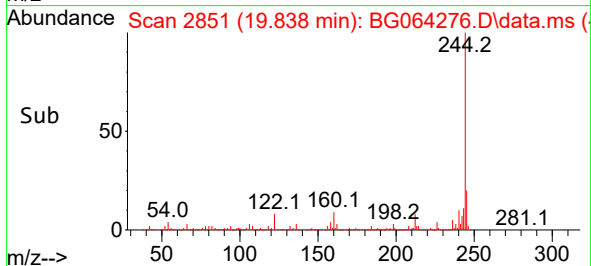
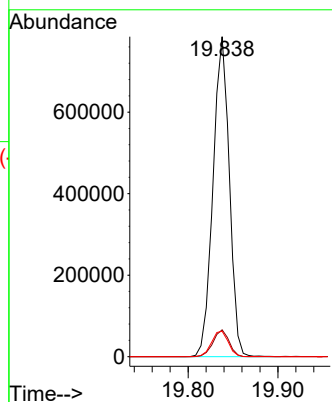
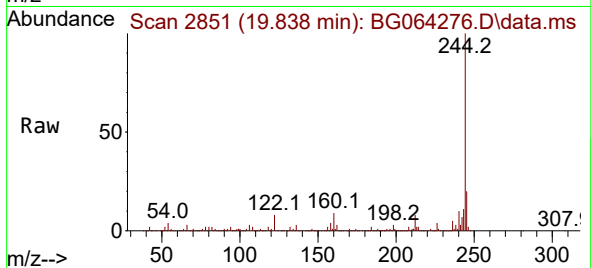
Tgt Ion:244 Resp: 990555

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

122 7.9 7.0 10.6



#80

Butylbenzylphthalate

Concen: 43.030 ng

RT: 20.531 min Scan# 2969

Delta R.T. -0.001 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

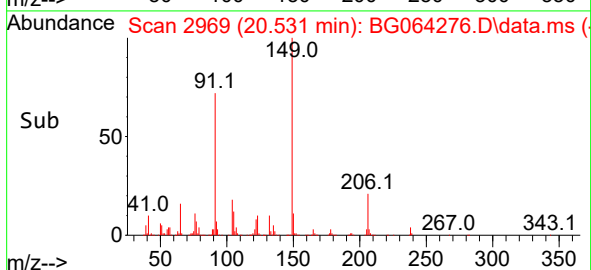
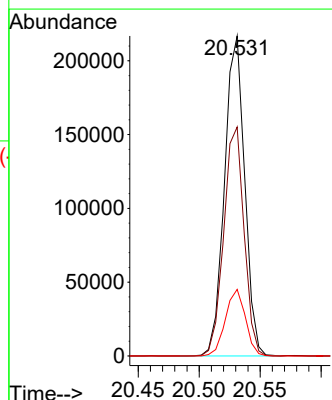
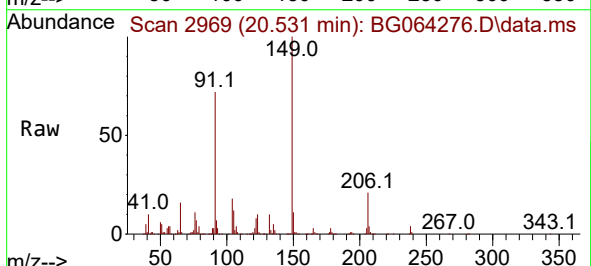
Tgt Ion:149 Resp: 249351

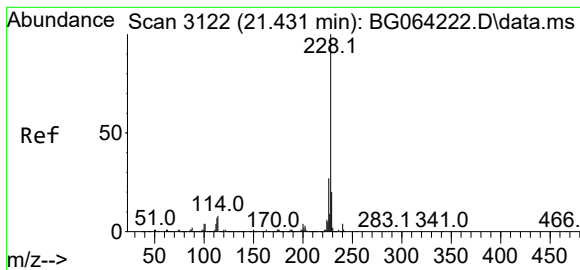
Ion Ratio Lower Upper

149 100

91 71.6 61.4 92.0

206 20.8 15.8 23.6





#81

Benzo(a)anthracene

Concen: 41.173 ng

RT: 21.430 min Scan# 3122

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

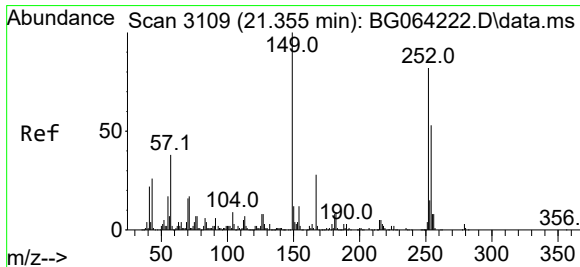
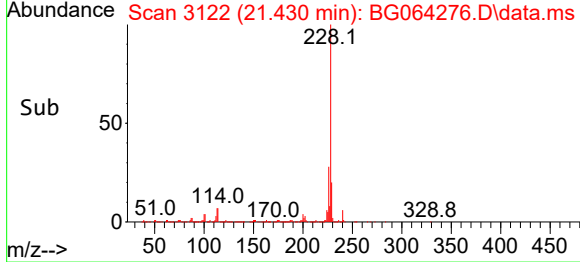
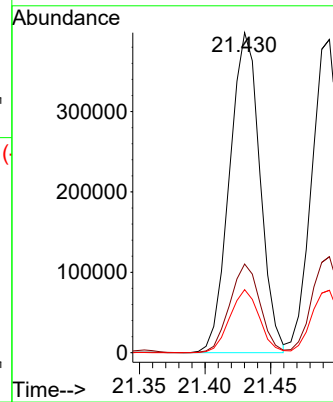
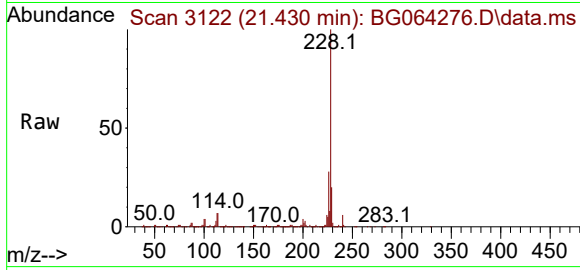
Tgt Ion:228 Resp: 642365

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 19.7 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 43.043 ng

RT: 21.354 min Scan# 3109

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

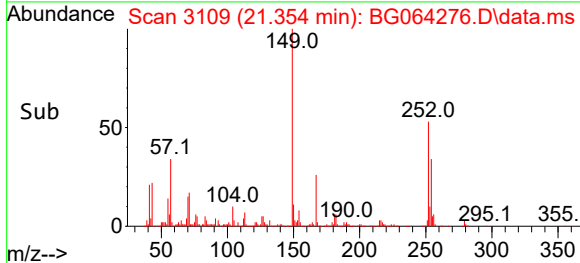
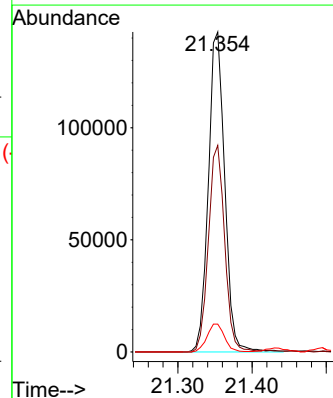
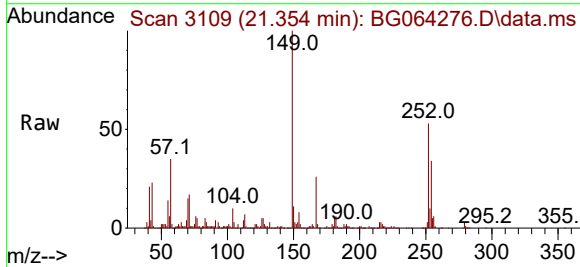
Tgt Ion:252 Resp: 218705

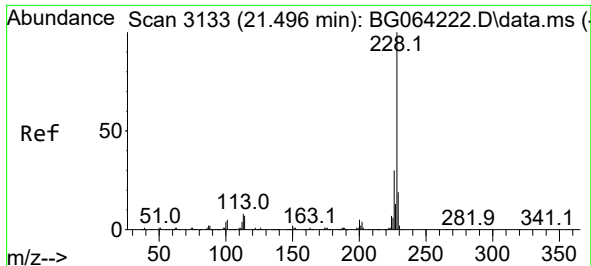
Ion Ratio Lower Upper

252 100

254 64.6 51.9 77.9

126 8.7 7.6 11.4

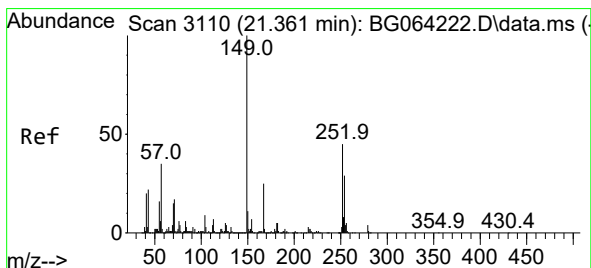
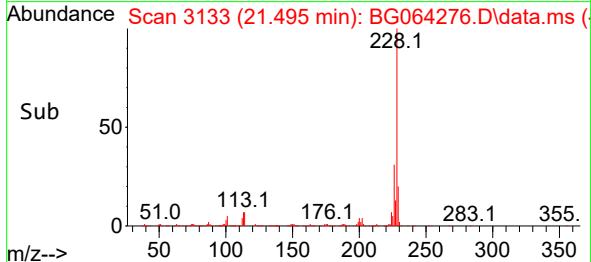
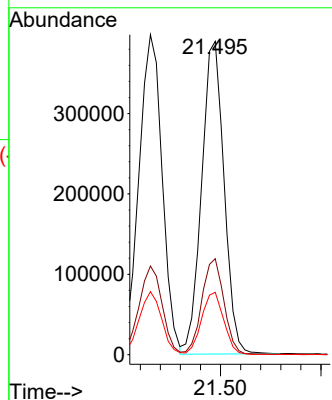
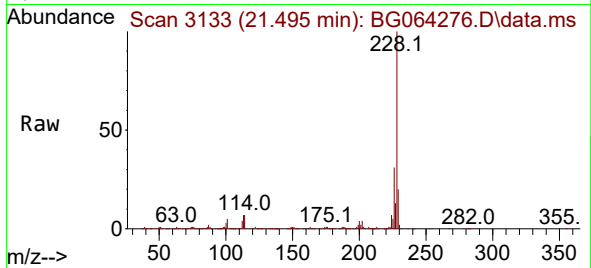




#83
Chrysene
Concen: 40.421 ng
RT: 21.495 min Scan# 3133
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

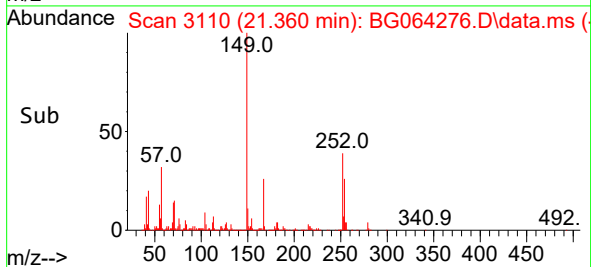
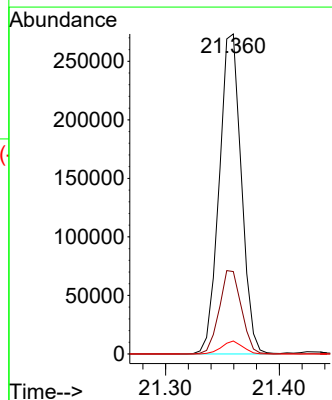
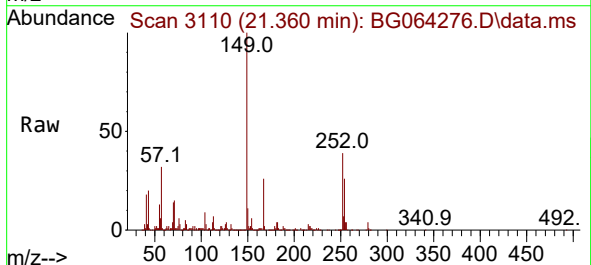
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

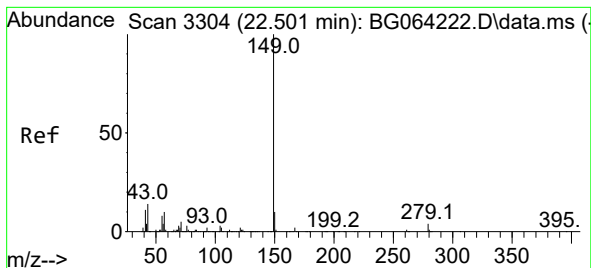
Tgt Ion:228 Resp: 605420
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 19.9 15.4 23.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.456 ng
RT: 21.360 min Scan# 3110
Delta R.T. -0.007 min
Lab File: BG064276.D
Acq: 4 Sep 2025 6:48

Tgt Ion:149 Resp: 369373
Ion Ratio Lower Upper
149 100
167 25.7 20.0 30.0
279 4.0 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 42.736 ng

RT: 22.494 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

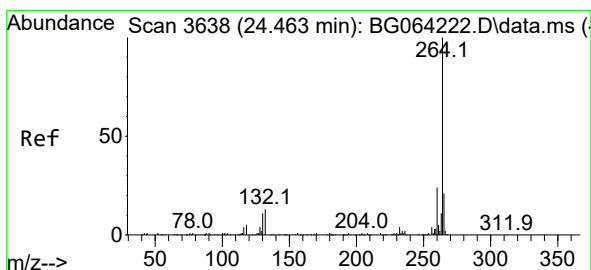
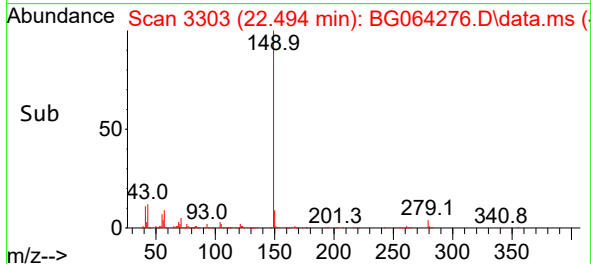
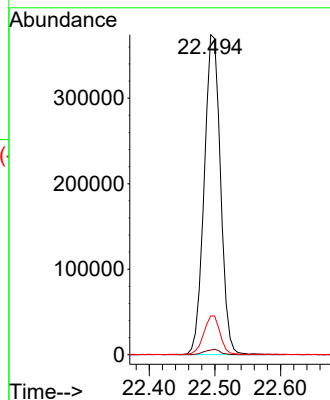
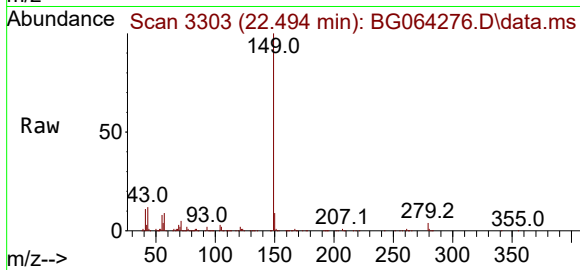
Tgt Ion:149 Resp: 647837

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 12.2 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.456 min Scan# 3637

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

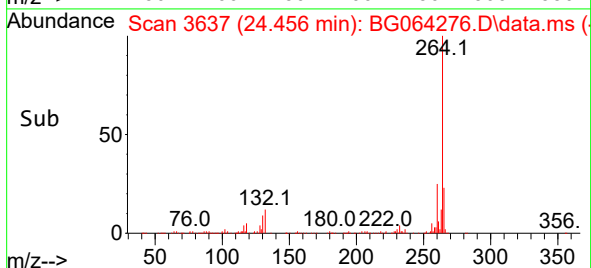
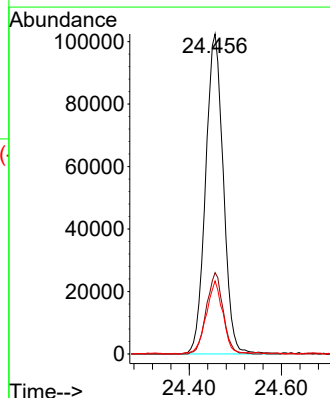
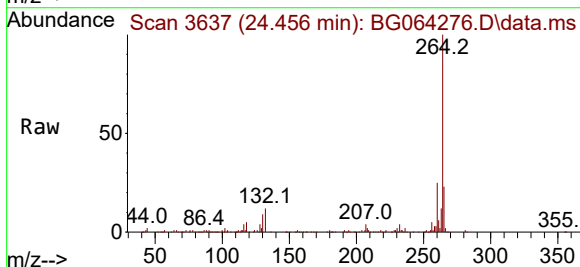
Tgt Ion:264 Resp: 273801

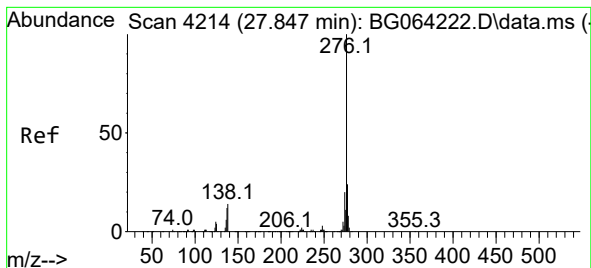
Ion Ratio Lower Upper

264 100

260 25.4 18.9 28.3

265 22.8 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.648 ng

RT: 27.846 min Scan# 41

Delta R.T. -0.025 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

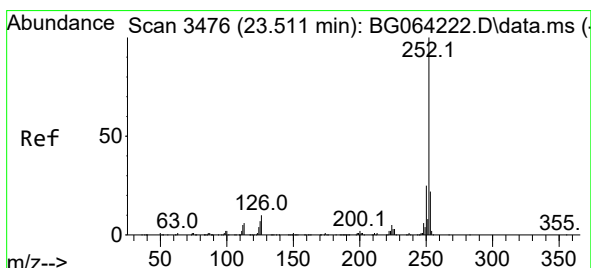
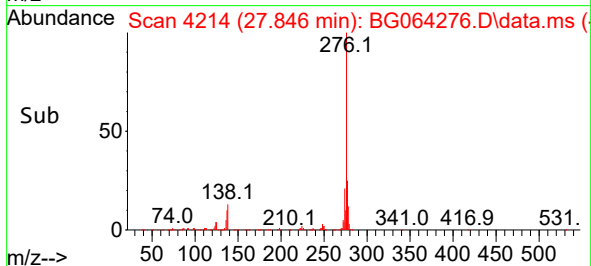
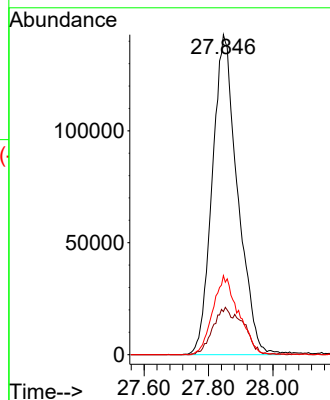
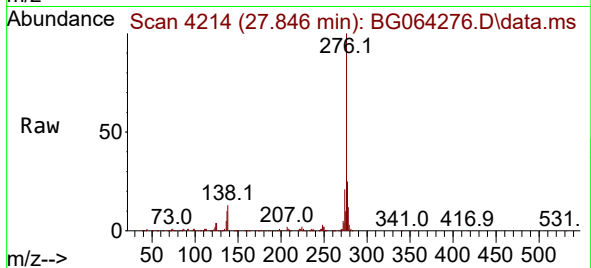
Tgt Ion:276 Resp: 778746

Ion Ratio Lower Upper

276 100

138 10.9 7.4 11.0

277 25.2 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 41.858 ng

RT: 23.510 min Scan# 3476

Delta R.T. -0.007 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

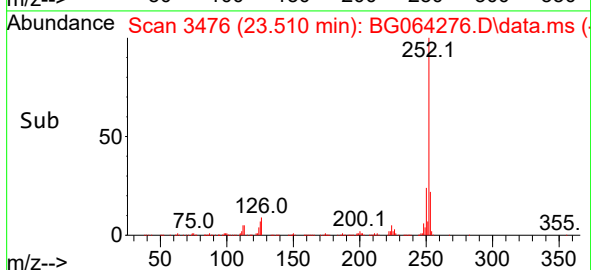
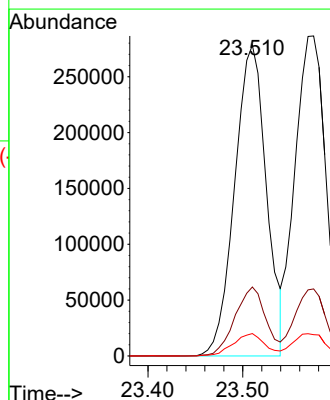
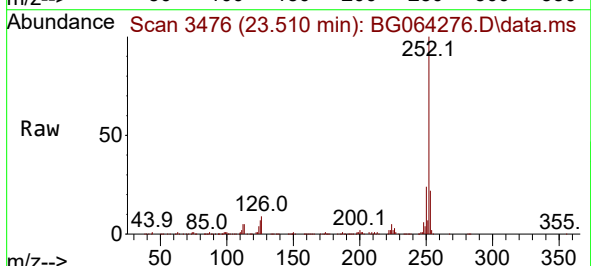
Tgt Ion:252 Resp: 646832

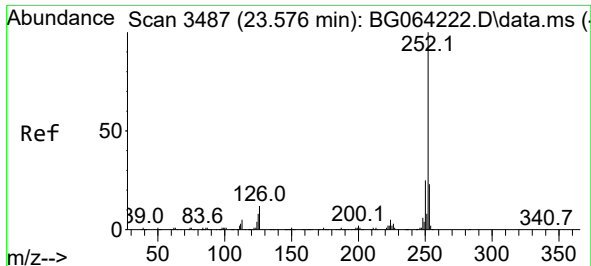
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 7.2 5.9 8.9





#89

Benzo(k)fluoranthene

Concen: 41.087 ng

RT: 23.510 min Scan# 34

Delta R.T. -0.078 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

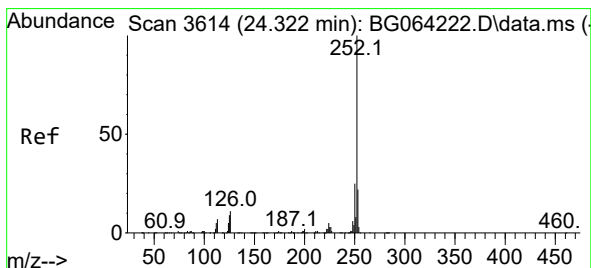
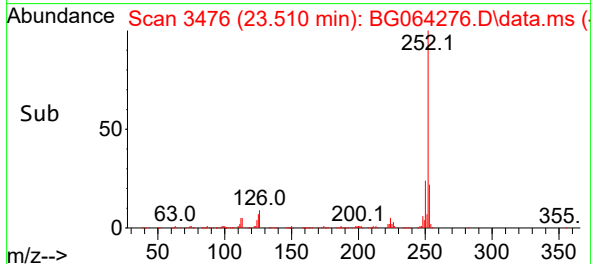
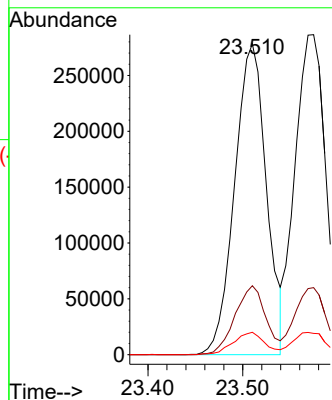
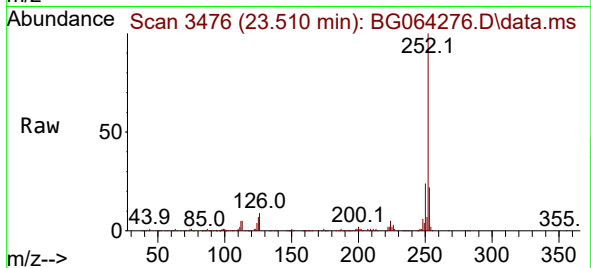
Tgt Ion:252 Resp: 646832

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.4

125 7.2 7.0 10.4



#90

Benzo(a)pyrene

Concen: 41.217 ng

RT: 24.315 min Scan# 3613

Delta R.T. -0.013 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

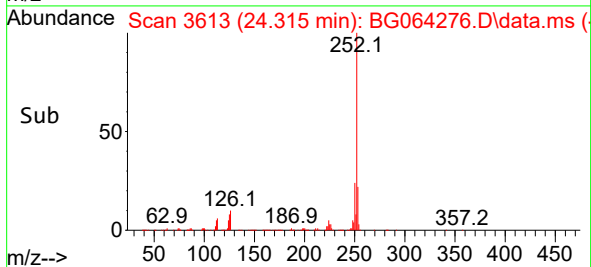
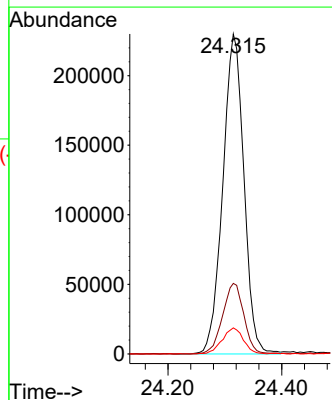
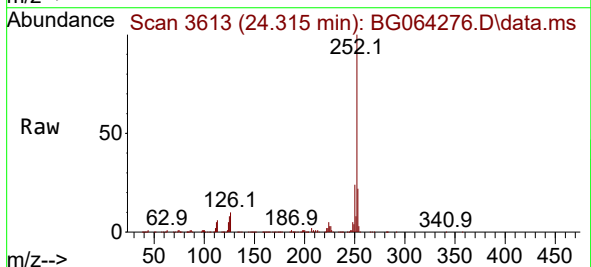
Tgt Ion:252 Resp: 592481

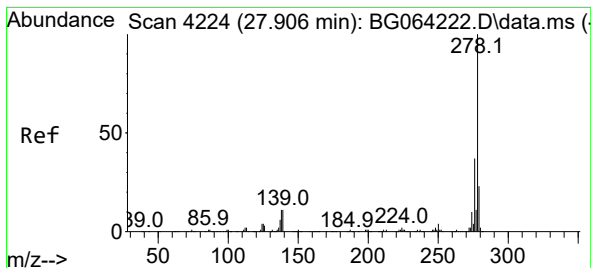
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.2 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 41.876 ng

RT: 27.905 min Scan# 41

Delta R.T. -0.019 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

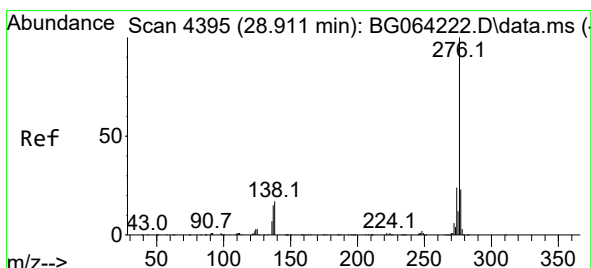
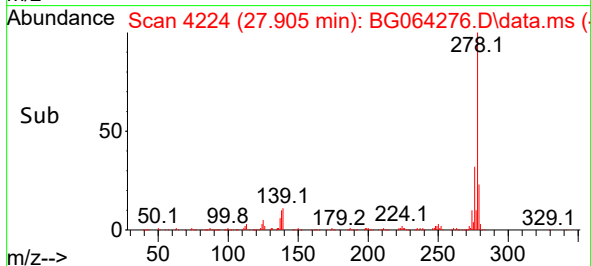
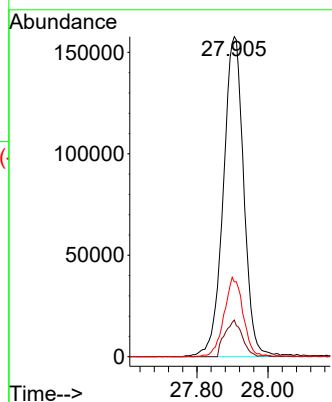
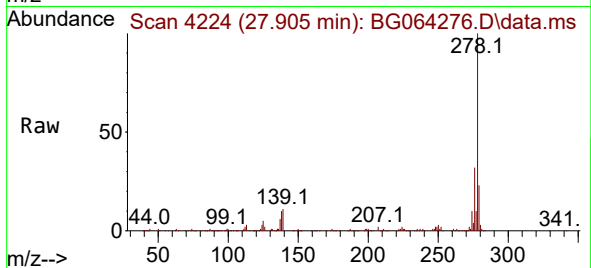
Tgt Ion:278 Resp: 628686

Ion Ratio Lower Upper

278 100

139 11.5 9.0 13.4

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 40.957 ng

RT: 28.904 min Scan# 4394

Delta R.T. -0.031 min

Lab File: BG064276.D

Acq: 4 Sep 2025 6:48

Tgt Ion:276 Resp: 598324

Ion Ratio Lower Upper

276 100

277 24.8 18.2 27.4

138 14.8 13.3 19.9

