

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064261.D
 Acq On : 3 Sep 2025 19:53
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 04 01:14:26 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	7.854	152	34133	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	160840	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	111619	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	253223	20.000	ng	0.00
76) Chrysene-d12	21.450	240	256187	20.000	ng	0.00
86) Perylene-d12	24.458	264	277863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	235668	123.871	ng	0.00
7) Phenol-d6	7.025	99	334941	128.146	ng	0.00
23) Nitrobenzene-d5	9.005	82	262467	91.009	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	186589	126.206	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	650627	88.971	ng	0.00
79) Terphenyl-d14	19.840	244	1122913	91.448	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.359	88	7878	9.935	ng	96
3) Pyridine	3.753	79	21878	9.373	ng	# 49
4) n-Nitrosodimethylamine	3.665	42	14289	9.255	ng	# 66
6) Aniline	7.184	93	37633	10.412	ng	98
8) 2-Chlorophenol	7.425	128	23395	10.063	ng	94
9) Benzaldehyde	6.996	77	20964	9.746	ng	94
10) Phenol	7.049	94	29799	10.341	ng	92
11) bis(2-Chloroethyl)ether	7.278	93	21171	9.777	ng	99
12) 1,3-Dichlorobenzene	7.889	146	24737	10.002	ng	91
13) 1,4-Dichlorobenzene	7.742	146	25221	10.104	ng	97
14) 1,2-Dichlorobenzene	8.206	146	24638	10.227	ng	87
15) Benzyl Alcohol	8.083	79	23134	9.591	ng	88
16) 2,2'-oxybis(1-Chloropr...	8.377	45	47300	9.567	ng	98
17) 2-Methylphenol	8.294	107	20006	9.315	ng	92
18) Hexachloroethane	8.929	117	9667	9.921	ng	97
19) n-Nitroso-di-n-propyla...	8.653	70	20205	10.101	ng	98
20) 3+4-Methylphenols	8.623	107	27256	9.133	ng	97
22) Acetophenone	8.665	105	40904	10.052	ng	# 90
24) Nitrobenzene	9.046	77	29141	9.671	ng	# 93
25) Isophorone	9.569	82	56315	9.396	ng	97
26) 2-Nitrophenol	9.752	139	12072	9.272	ng	# 89
27) 2,4-Dimethylphenol	9.816	122	23568	10.310	ng	95
28) bis(2-Chloroethoxy)met...	10.051	93	32511	10.059	ng	95
29) 2,4-Dichlorophenol	10.292	162	21865	9.066	ng	96
30) 1,2,4-Trichlorobenzene	10.509	180	24803	9.753	ng	97
31) Naphthalene	10.692	128	78702	9.436	ng	97
32) Benzoic acid	9.910	122	9434	5.199	ng	# 82
33) 4-Chloroaniline	10.797	127	33949	10.502	ng	99
34) Hexachlorobutadiene	10.980	225	17988	9.569	ng	97
35) Caprolactam	11.549	113	7931	8.492	ng	# 75
36) 4-Chloro-3-methylphenol	11.920	107	28841	9.216	ng	97
37) 2-Methylnaphthalene	12.301	142	52422	8.456	ng	92
38) 1-Methylnaphthalene	12.519	142	57291	9.356	ng	91
40) 1,2,4,5-Tetrachloroben...	12.672	216	32508	10.094	ng	99
41) Hexachlorocyclopentadiene	12.654	237	17329	11.322	ng	82
43) 2,4,6-Trichlorophenol	12.913	196	20782	9.654	ng	88

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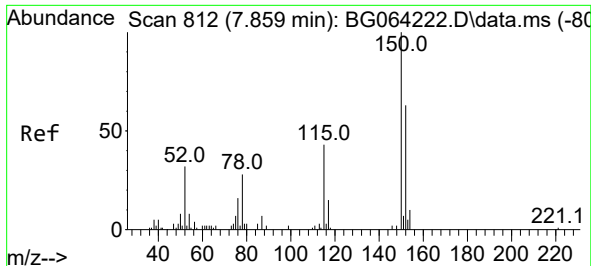
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.983	196	23011	9.855	ng	97
46) 1,1'-Biphenyl	13.312	154	82336	10.128	ng	99
47) 2-Chloronaphthalene	13.353	162	59099	9.670	ng	97
48) 2-Nitroaniline	13.553	65	20192	9.693	ng	89
49) Acenaphthylene	14.199	152	99758	11.042	ng	99
50) Dimethylphthalate	13.935	163	83296	9.859	ng	97
51) 2,6-Dinitrotoluene	14.052	165	16536	10.110	ng	96
52) Acenaphthene	14.546	154	61152	9.591	ng	98
53) 3-Nitroaniline	14.376	138	16772	9.789	ng	# 96
54) 2,4-Dinitrophenol	14.587	184	6963	11.707	ng	94
55) Dibenzofuran	14.875	168	100862	10.057	ng	96
56) 4-Nitrophenol	14.693	139	11480	8.168	ng	92
57) 2,4-Dinitrotoluene	14.834	165	23752	9.604	ng	# 98
58) Fluorene	15.527	166	82015	9.978	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.022	232	22258	9.911	ng	92
60) Diethylphthalate	15.304	149	87035	9.626	ng	100
61) 4-Chlorophenyl-phenyle...	15.521	204	41272	10.071	ng	95
62) 4-Nitroaniline	15.539	138	17039	9.746	ng	94
63) Azobenzene	15.815	77	80133	9.943	ng	96
65) 4,6-Dinitro-2-methylph...	15.598	198	12700	8.736	ng	96
66) n-Nitrosodiphenylamine	15.733	169	71263	10.230	ng	95
67) 4-Bromophenyl-phenylether	16.414	248	27660	10.284	ng	95
68) Hexachlorobenzene	16.532	284	30698	10.278	ng	# 92
69) Atrazine	16.685	200	27779	9.551	ng	95
70) Pentachlorophenol	16.873	266	15713	8.677	ng	93
71) Phenanthrene	17.260	178	132396	9.913	ng	98
72) Anthracene	17.354	178	133770	9.846	ng	100
73) Carbazole	17.619	167	117812	9.844	ng	97
74) Di-n-butylphthalate	18.189	149	137424	9.557	ng	98
75) Fluoranthene	19.270	202	150320	9.572	ng	96
77) Benzidine	19.452	184	73418	13.623	ng	98
78) Pyrene	19.634	202	156502	9.696	ng	98
80) Butylbenzylphthalate	20.527	149	64012	10.515	ng	97
81) Benzo(a)anthracene	21.426	228	160635	9.801	ng	98
82) 3,3'-Dichlorobenzidine	21.350	252	57899	10.847	ng	99
83) Chrysene	21.491	228	147887	9.399	ng	98
84) Bis(2-ethylhexyl)phtha...	21.356	149	92155	10.083	ng	97
85) Di-n-octyl phthalate	22.495	149	161371	10.133	ng	98
87) Indeno(1,2,3-cd)pyrene	27.830	276	180690	9.522	ng	98
88) Benzo(b)fluoranthene	23.506	252	150659	9.607	ng	99
89) Benzo(k)fluoranthene	23.571	252	152751	9.561	ng	98
90) Benzo(a)pyrene	24.317	252	148446	10.176	ng	99
91) Dibenzo(a,h)anthracene	27.889	278	145991	9.582	ng	97
92) Benzo(g,h,i)perylene	28.882	276	144735	9.763	ng	95

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

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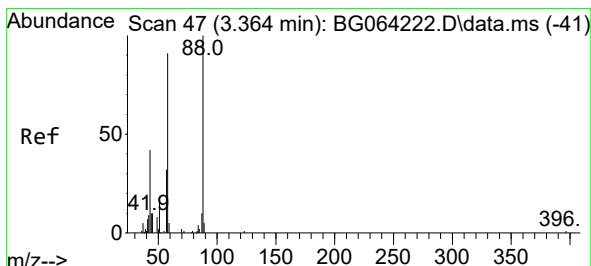
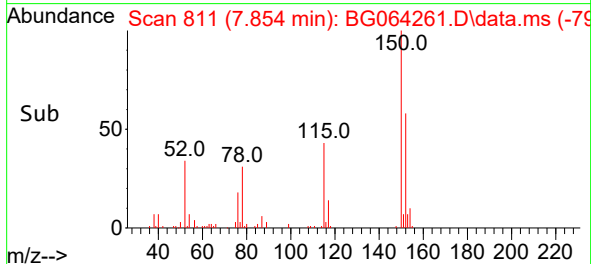
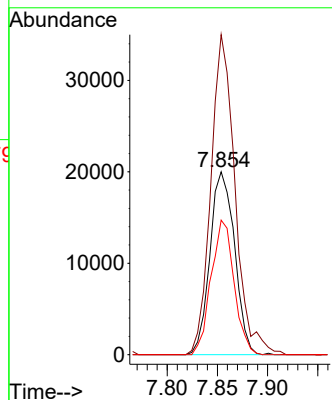
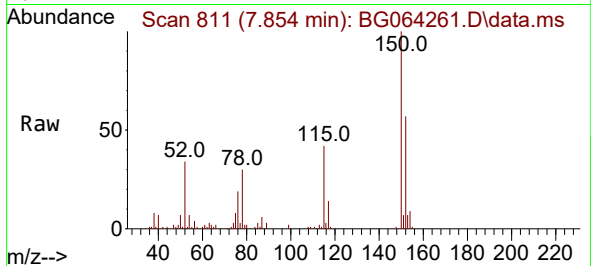
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.854 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BG064261.D
 Acq: 3 Sep 2025 19:53

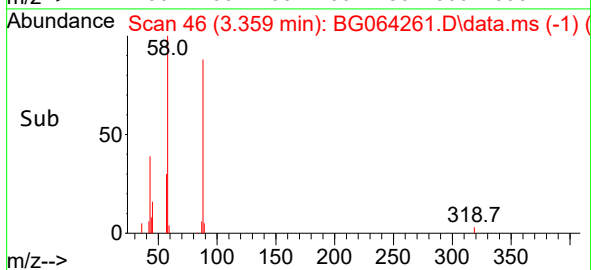
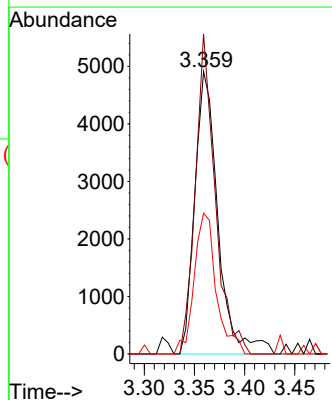
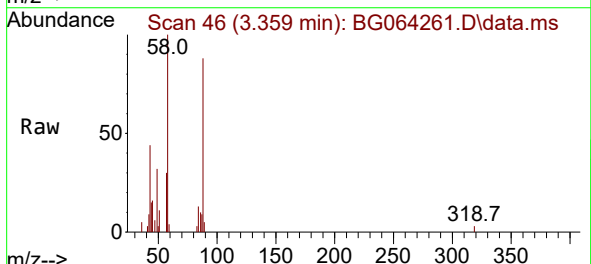
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

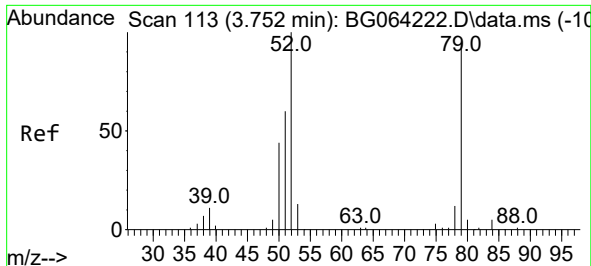
Tgt Ion:152 Resp: 34133
 Ion Ratio Lower Upper
 152 100
 150 175.0 128.0 192.0
 115 73.6 55.7 83.5



#2
 1,4-Dioxane
 Concen: 9.935 ng
 RT: 3.359 min Scan# 46
 Delta R.T. 0.001 min
 Lab File: BG064261.D
 Acq: 3 Sep 2025 19:53

Tgt Ion: 88 Resp: 7878
 Ion Ratio Lower Upper
 88 100
 58 97.0 80.8 121.2
 43 47.7 40.3 60.5





#3

Pyridine

Concen: 9.373 ng

RT: 3.753 min Scan# 113

Delta R.T. 0.000 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

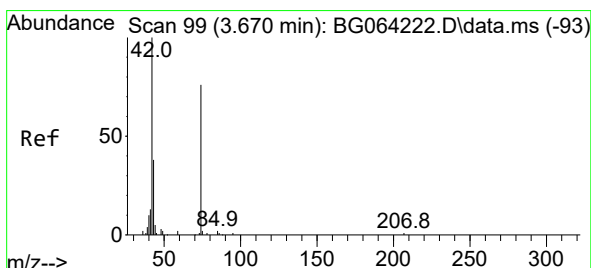
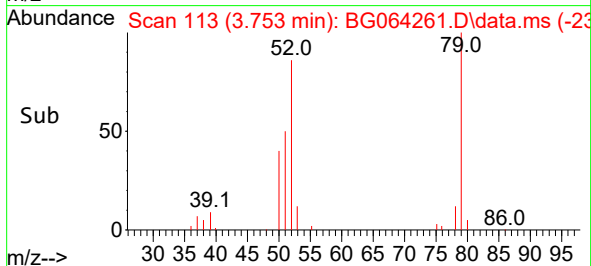
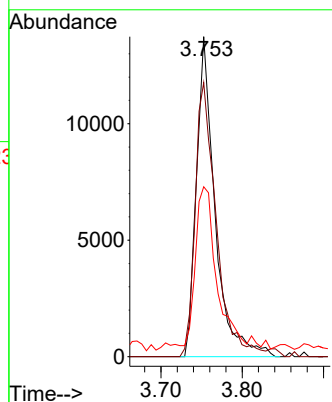
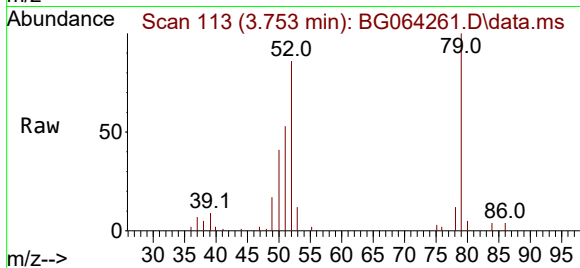
Tgt Ion: 79 Resp: 21878

Ion Ratio Lower Upper

79 100

52 85.7 86.6 129.8#

51 53.1 114.1 171.1#



#4

n-Nitrosodimethylamine

Concen: 9.255 ng

RT: 3.665 min Scan# 98

Delta R.T. 0.001 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

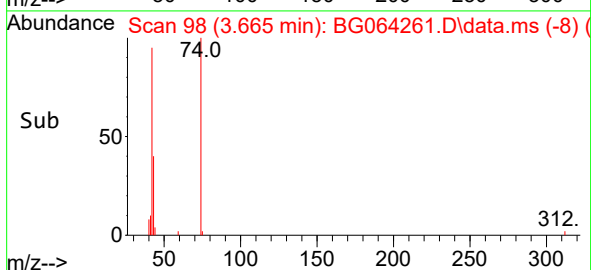
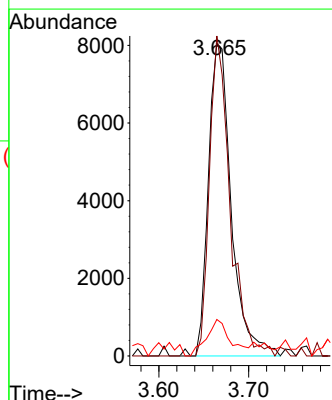
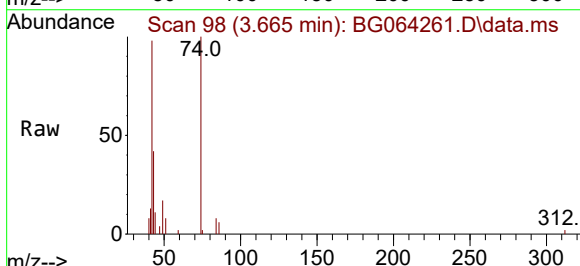
Tgt Ion: 42 Resp: 14289

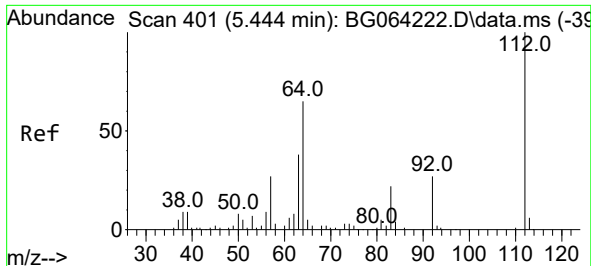
Ion Ratio Lower Upper

42 100

74 102.4 58.0 87.0#

44 11.7 5.5 8.3#

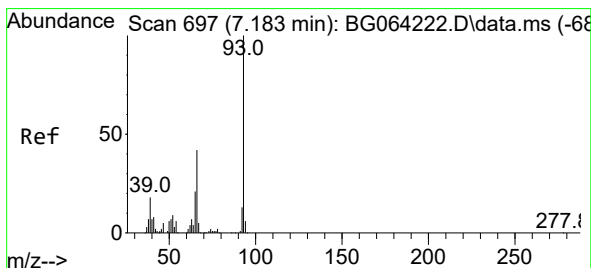
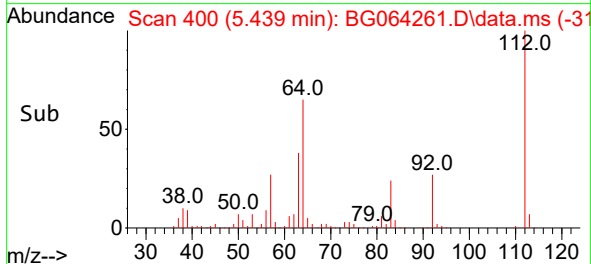
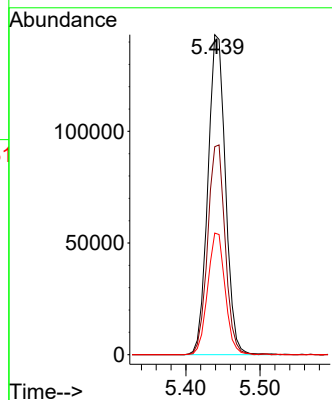
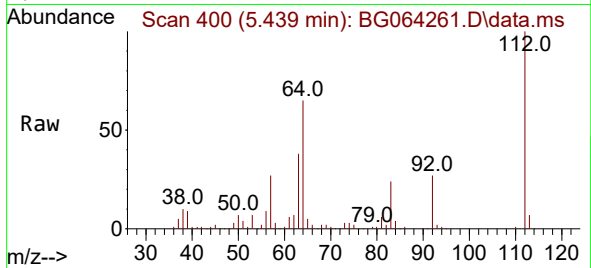




#5
2-Fluorophenol
Concen: 123.871 ng
RT: 5.439 min Scan# 401
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

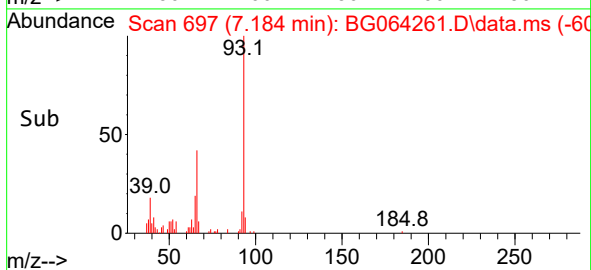
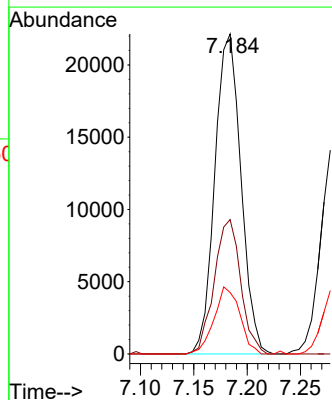
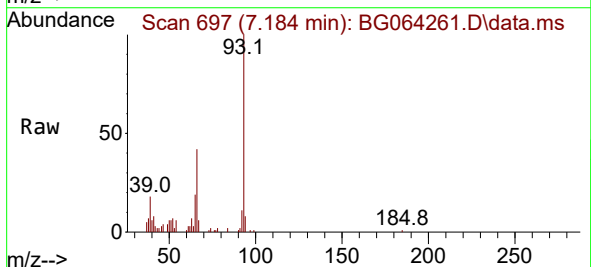
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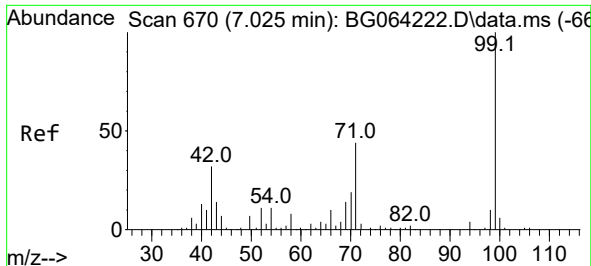
Tgt Ion:112 Resp: 235668
Ion Ratio Lower Upper
112 100
64 65.0 51.8 77.6
63 38.0 30.6 45.8



#6
Aniline
Concen: 10.412 ng
RT: 7.184 min Scan# 697
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion: 93 Resp: 37633
Ion Ratio Lower Upper
93 100
66 42.0 33.8 50.8
65 19.2 16.9 25.3

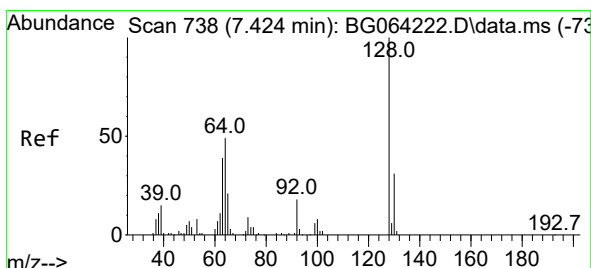
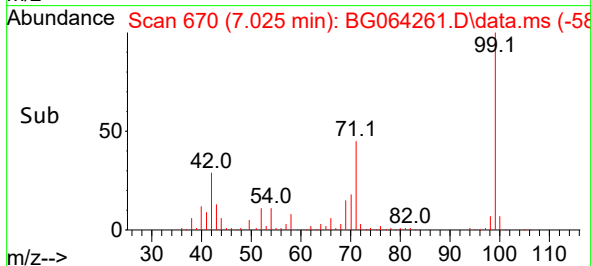
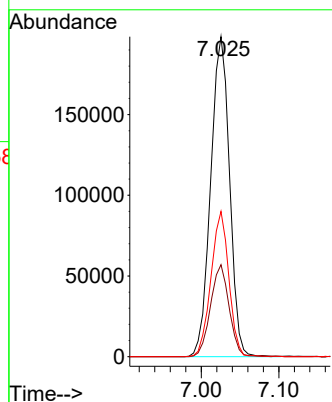
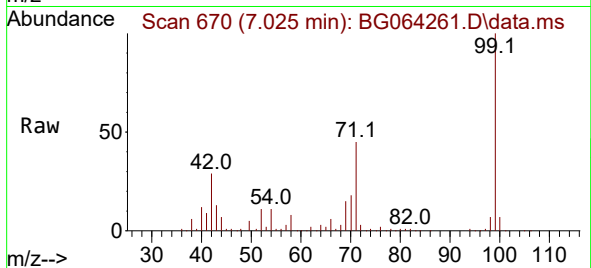




#7
Phenol-d6
Concen: 128.146 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

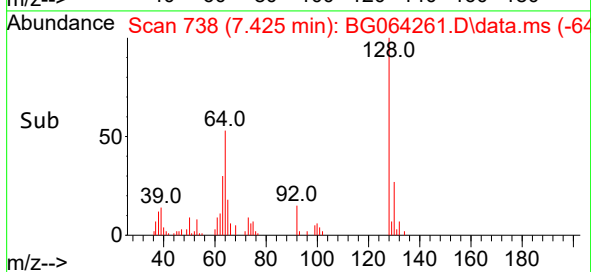
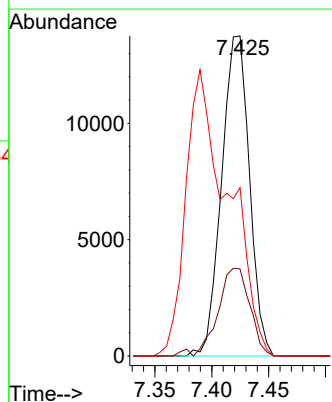
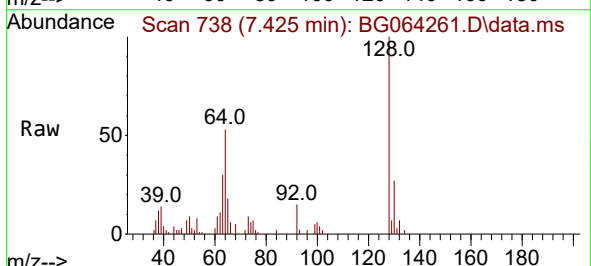
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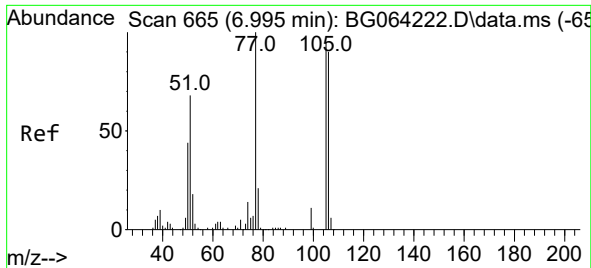
Tgt Ion: 99 Resp: 334941
Ion Ratio Lower Upper
99 100
42 28.8 25.8 38.8
71 45.4 35.2 52.8



#8
2-Chlorophenol
Concen: 10.063 ng
RT: 7.425 min Scan# 738
Delta R.T. 0.001 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:128 Resp: 23395
Ion Ratio Lower Upper
128 100
130 27.2 10.9 50.9
64 52.6 28.7 68.7

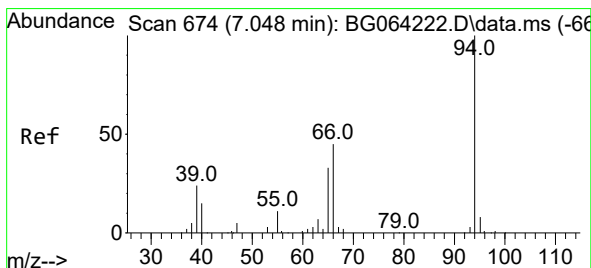
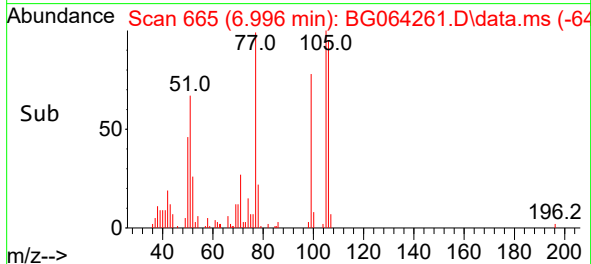
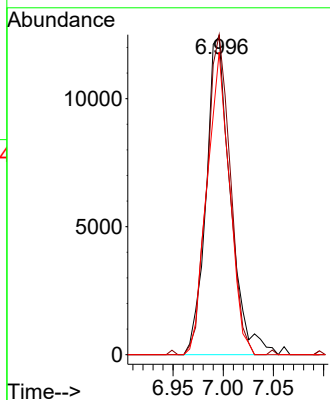
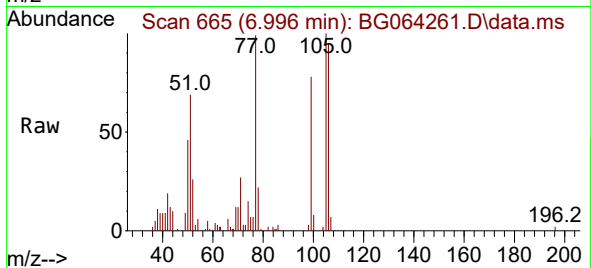




#9
Benzaldehyde
Concen: 9.746 ng
RT: 6.996 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

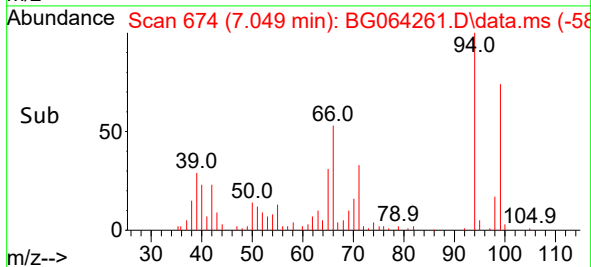
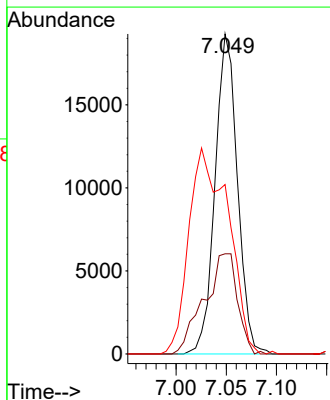
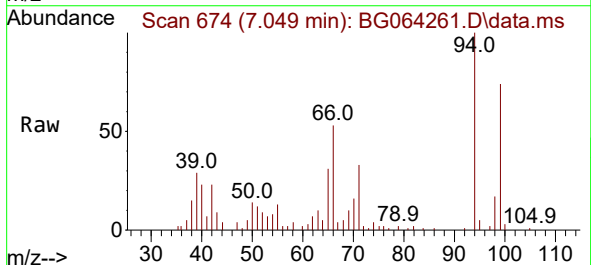
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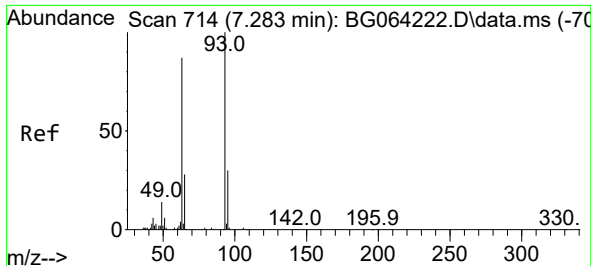
Tgt Ion: 77 Resp: 20964
Ion Ratio Lower Upper
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105 100.6 75.2 115.2
106 95.1 69.6 109.6



#10
Phenol
Concen: 10.341 ng
RT: 7.049 min Scan# 674
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion: 94 Resp: 29799
Ion Ratio Lower Upper
94 100
65 31.3 13.5 53.5
66 52.9 26.2 66.2

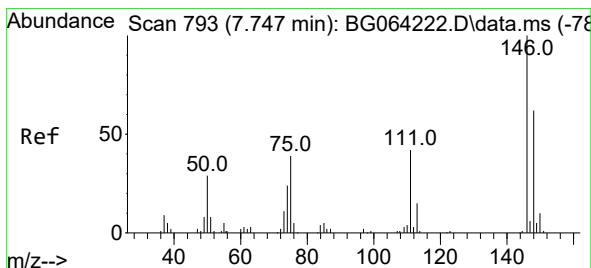
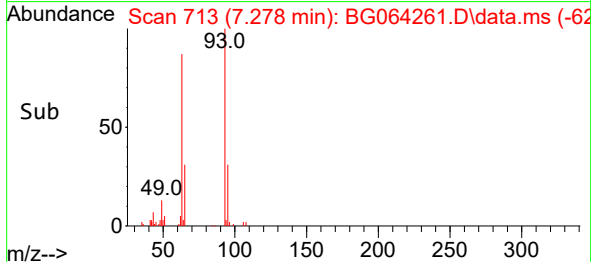
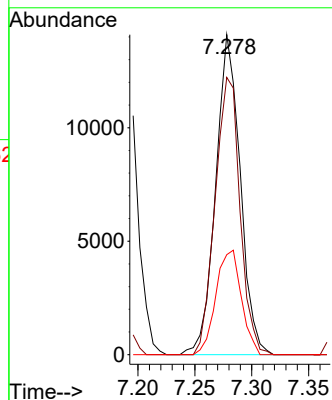
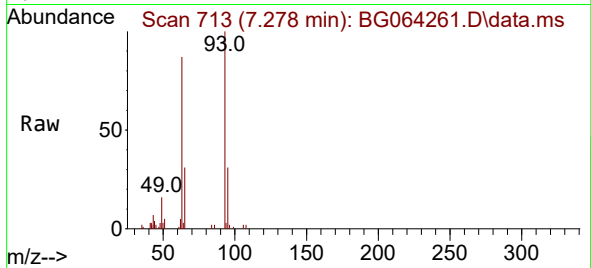




#11
bis(2-Chloroethyl)ether
Concen: 9.777 ng
RT: 7.278 min Scan# 714
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

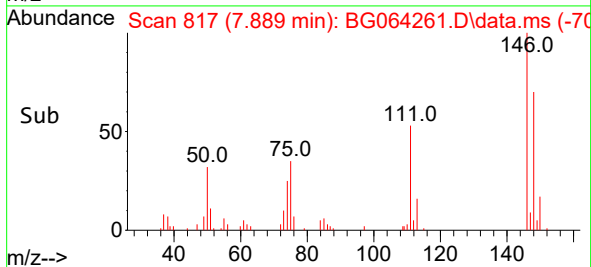
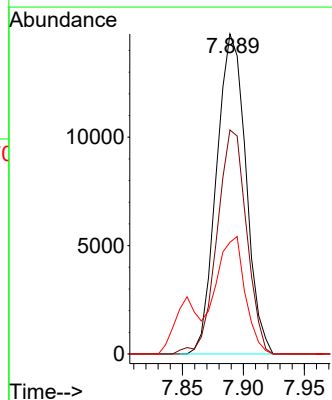
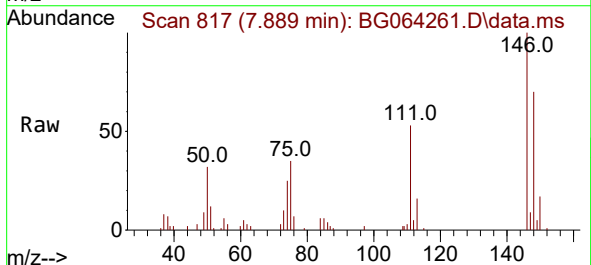
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

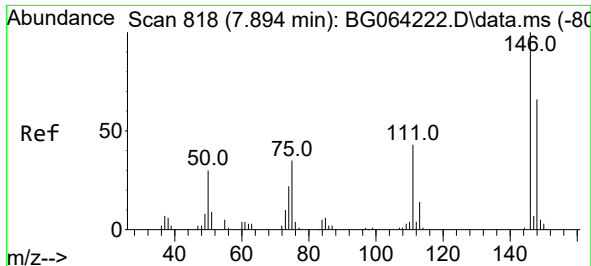
Tgt Ion: 93 Resp: 21171
Ion Ratio Lower Upper
93 100
63 86.6 66.2 106.2
95 31.3 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 10.002 ng
RT: 7.889 min Scan# 817
Delta R.T. 0.142 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:146 Resp: 24737
Ion Ratio Lower Upper
146 100
148 70.0 49.6 74.4
75 34.9 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 10.104 ng

RT: 7.742 min Scan# 792

Delta R.T. -0.152 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

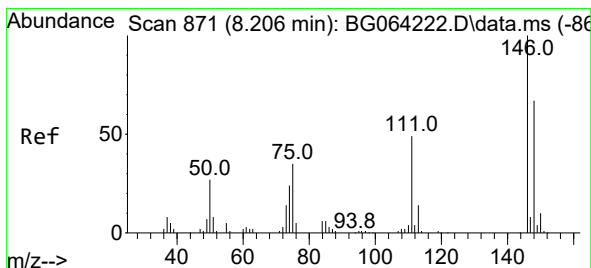
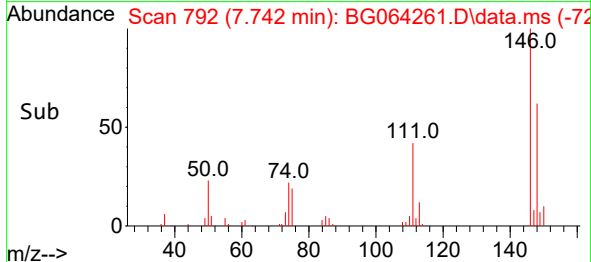
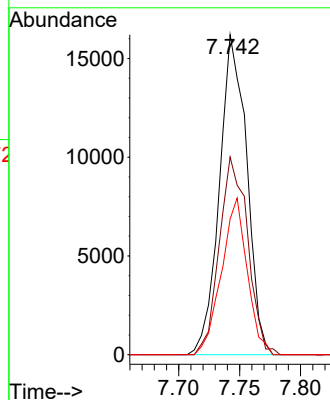
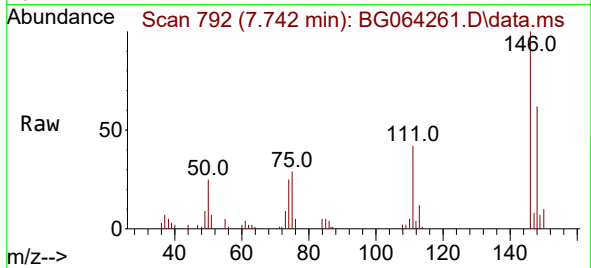
Tgt Ion:146 Resp: 25221

Ion Ratio Lower Upper

146 100

148 61.8 52.8 79.2

111 42.4 34.1 51.1



#14

1,2-Dichlorobenzene

Concen: 10.227 ng

RT: 8.206 min Scan# 871

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

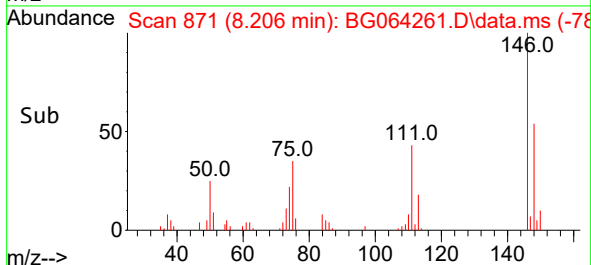
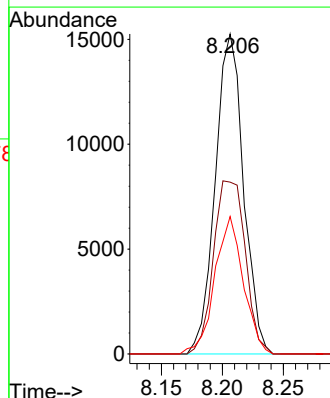
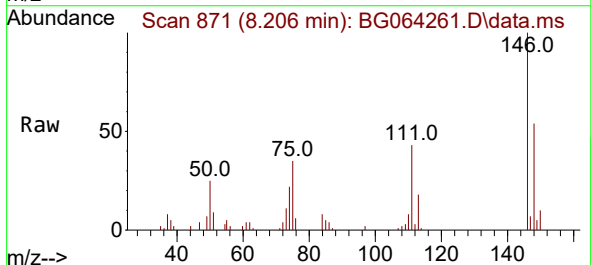
Tgt Ion:146 Resp: 24638

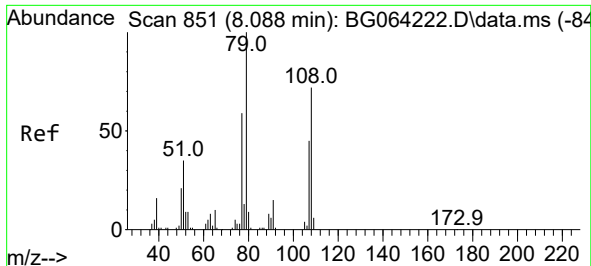
Ion Ratio Lower Upper

146 100

148 53.7 53.4 80.0

111 43.0 39.1 58.7

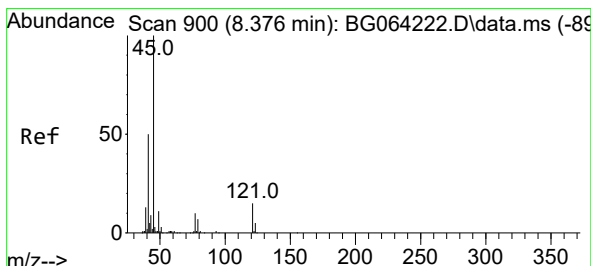
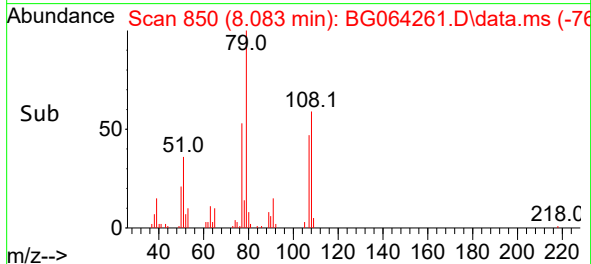
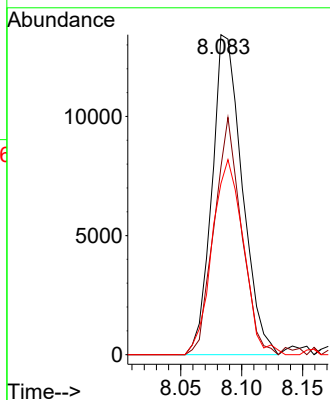
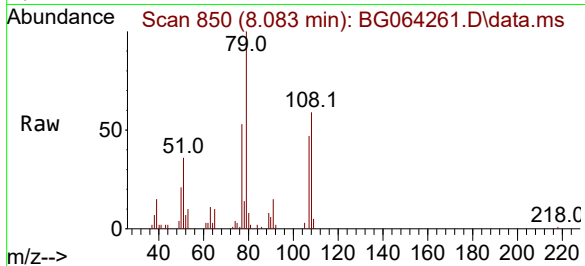




#15
Benzyl Alcohol
Concen: 9.591 ng
RT: 8.083 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

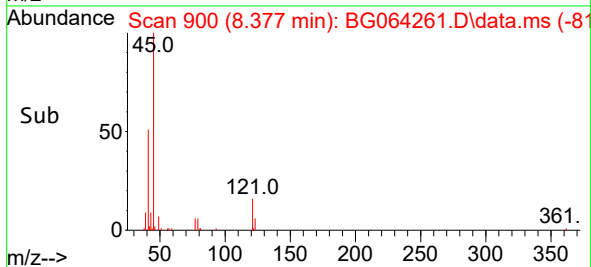
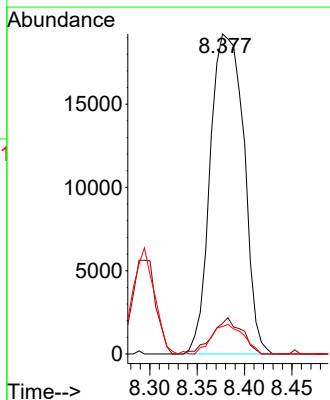
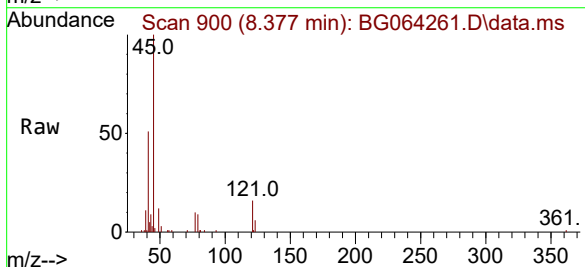
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

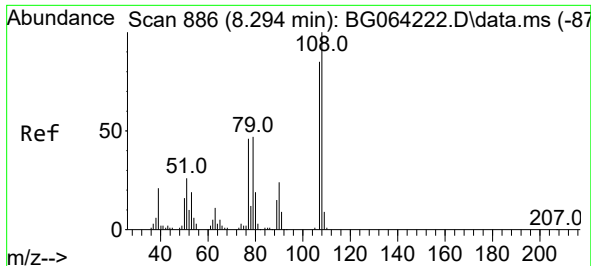
Tgt Ion: 79 Resp: 23134
Ion Ratio Lower Upper
79 100
108 58.6 57.4 86.0
77 53.5 47.2 70.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.567 ng
RT: 8.377 min Scan# 900
Delta R.T. 0.000 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion: 45 Resp: 47300
Ion Ratio Lower Upper
45 100
77 9.6 0.0 30.0
79 8.6 0.0 27.9

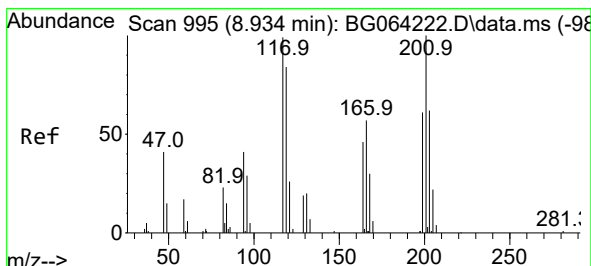
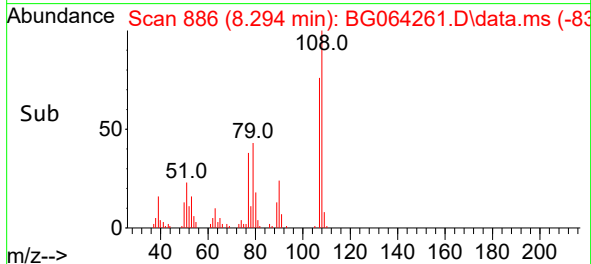
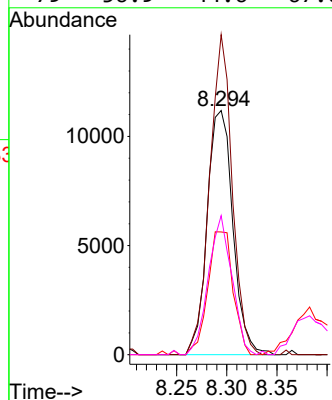
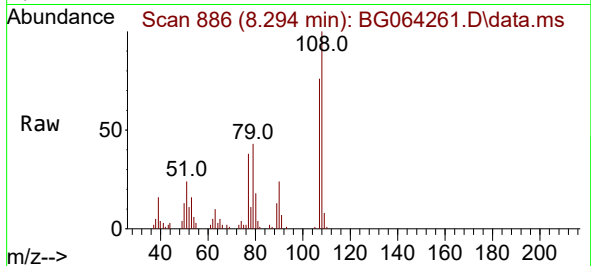




#17
2-Methylphenol
Concen: 9.315 ng
RT: 8.294 min Scan# 886
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

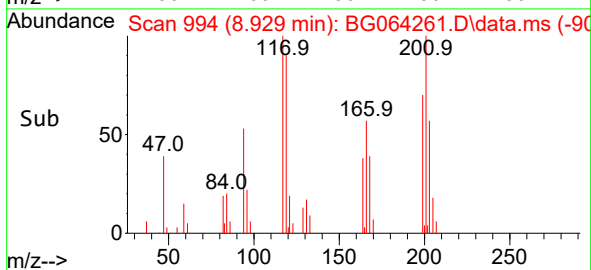
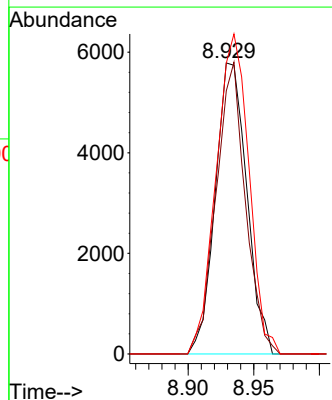
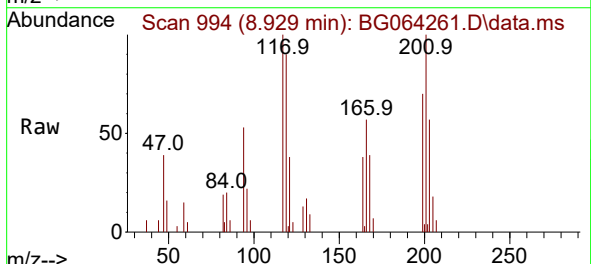
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

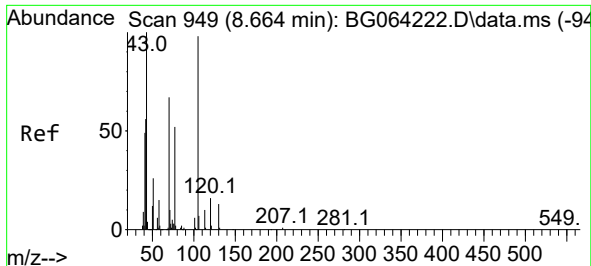
Tgt Ion:	107	Resp:	20006
Ion	Ratio	Lower	Upper
107	100		
108	131.0	94.6	141.8
77	50.2	43.7	65.5
79	56.9	44.6	67.0



#18
Hexachloroethane
Concen: 9.921 ng
RT: 8.929 min Scan# 994
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:	117	Resp:	9667
Ion	Ratio	Lower	Upper
117	100		
119	90.4	67.9	101.9
201	99.9	80.5	120.7

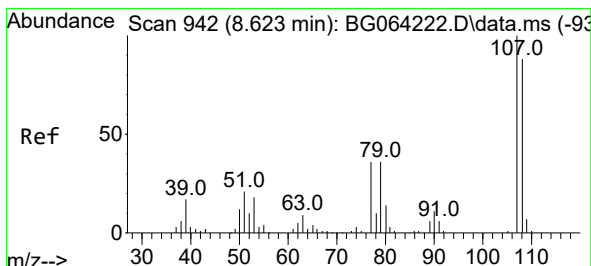
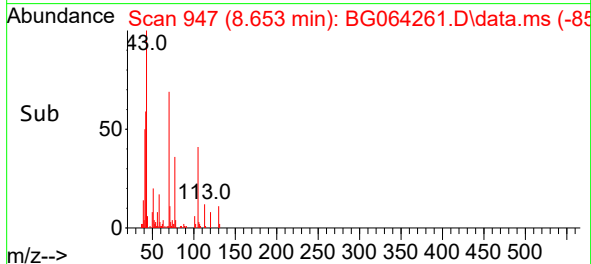
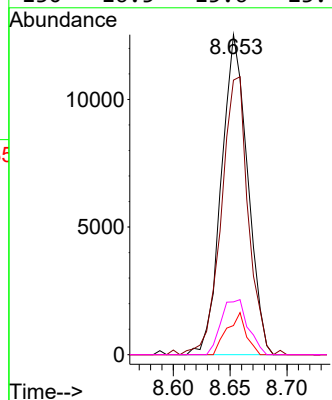
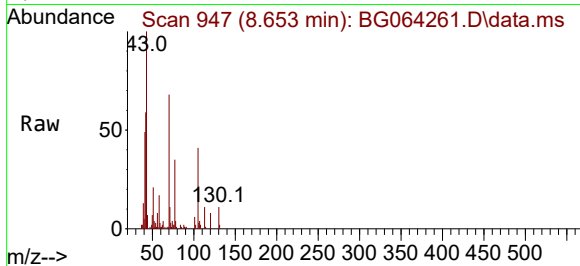




#19
n-Nitroso-di-n-propylamine
Concen: 10.101 ng
RT: 8.653 min Scan# 947
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

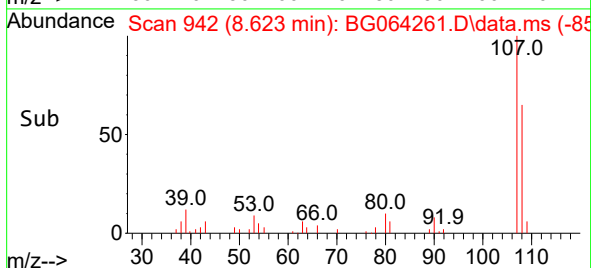
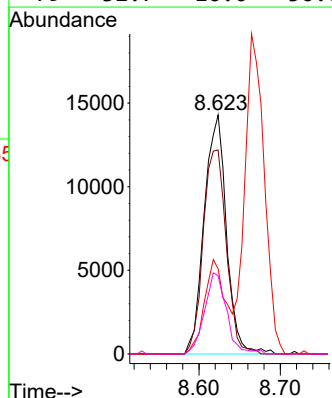
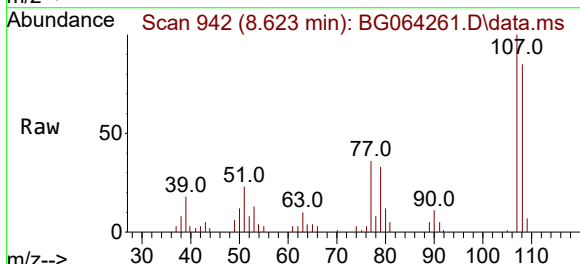
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

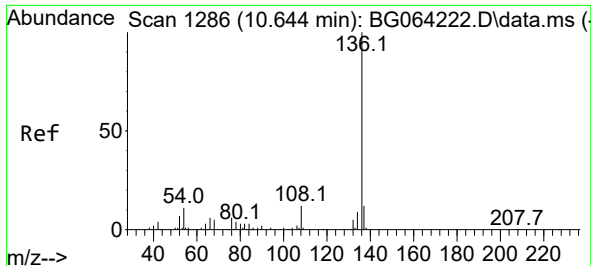
Tgt Ion:	70	Resp:	20205
Ion Ratio	Lower	Upper	
70	100		
42	85.8	67.9	101.9
101	9.1	7.3	10.9
130	16.5	15.6	23.4



#20
3+4-Methylphenols
Concen: 9.133 ng
RT: 8.623 min Scan# 942
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:	107	Resp:	27256
Ion Ratio	Lower	Upper	
107	100		
108	85.3	68.1	108.1
77	35.6	15.9	55.9
79	32.7	16.0	56.0

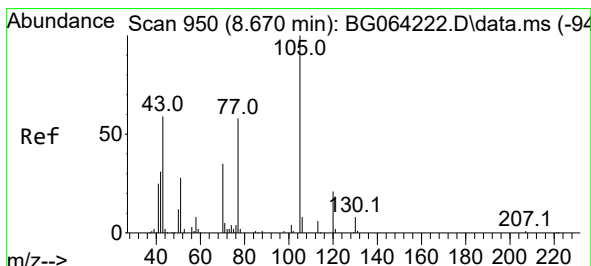
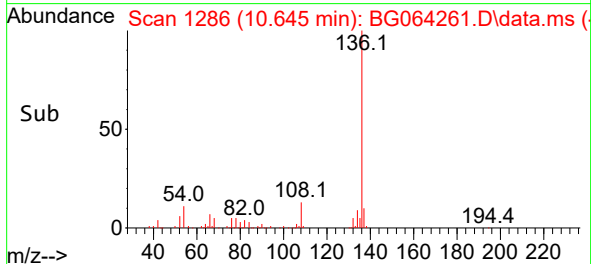
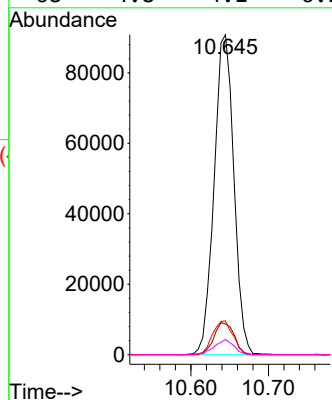
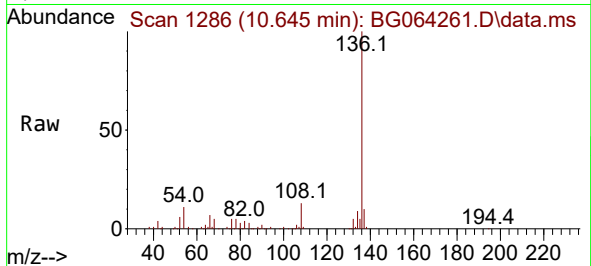




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

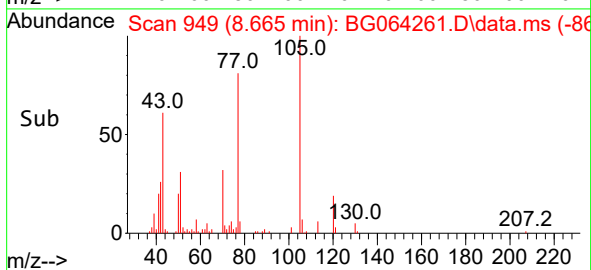
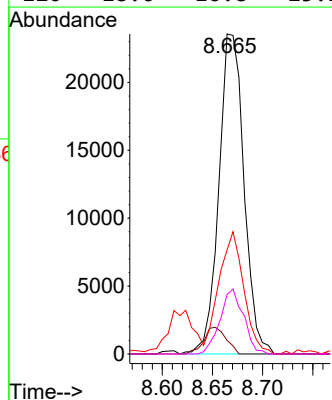
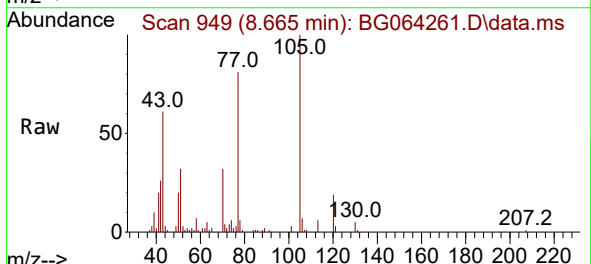
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

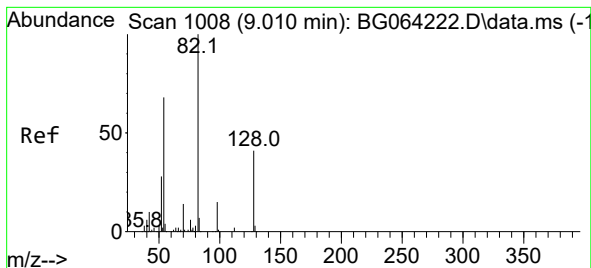
Tgt Ion:136 Resp: 160840
Ion Ratio Lower Upper
136 100
137 9.6 9.6 14.4
54 10.5 8.8 13.2
68 4.8 4.1 6.1



#22
Acetophenone
Concen: 10.052 ng
RT: 8.665 min Scan# 949
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:105 Resp: 40904
Ion Ratio Lower Upper
105 100
71 4.2 4.3 6.5#
51 32.5 32.4 48.6
120 18.6 16.8 25.2





#23

Nitrobenzene-d5

Concen: 91.009 ng

RT: 9.005 min Scan# 1007

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

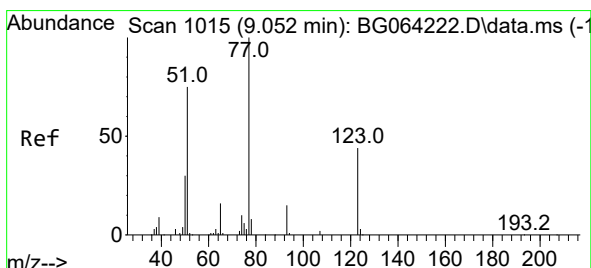
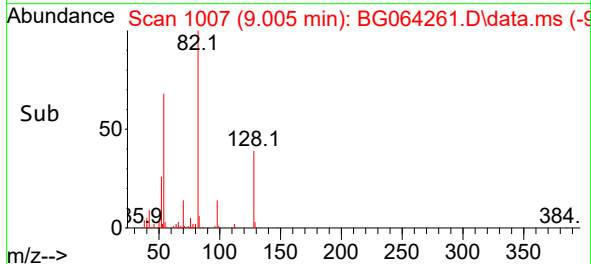
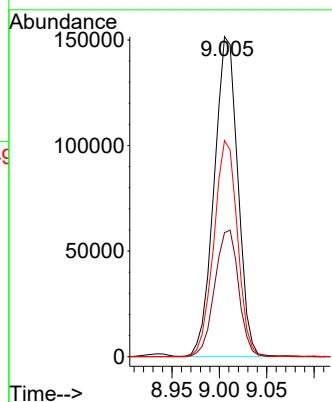
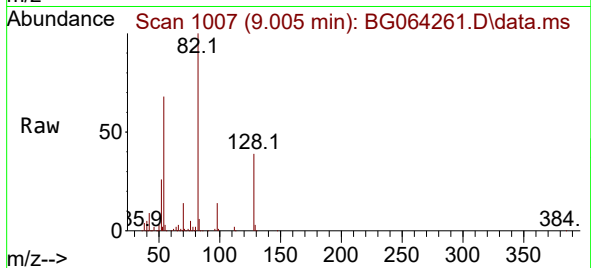
Tgt Ion: 82 Resp: 262467

Ion Ratio Lower Upper

82 100

128 38.8 32.6 48.8

54 67.5 54.7 82.1



#24

Nitrobenzene

Concen: 9.671 ng

RT: 9.046 min Scan# 1014

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

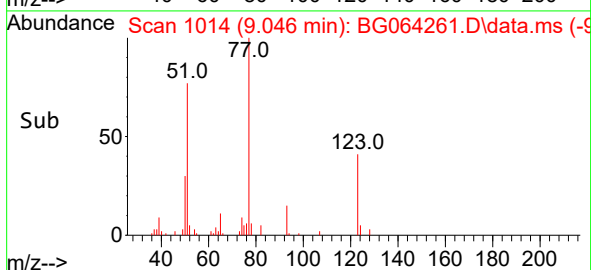
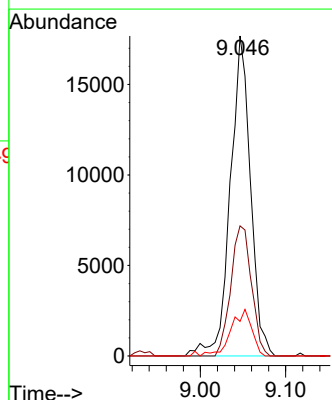
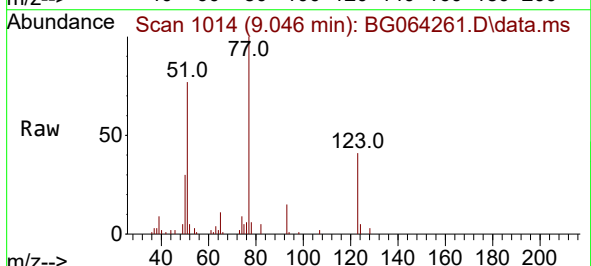
Tgt Ion: 77 Resp: 29141

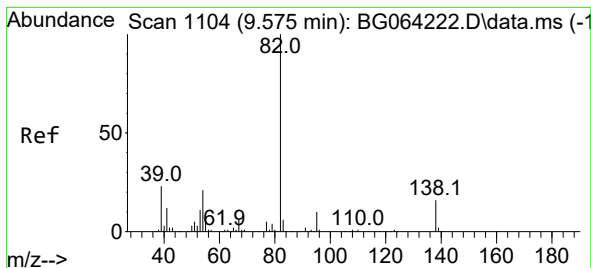
Ion Ratio Lower Upper

77 100

123 40.7 35.2 52.8

65 10.8 12.6 19.0#





#25

Isophorone

Concen: 9.396 ng

RT: 9.569 min Scan# 1103

Delta R.T. -0.017 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

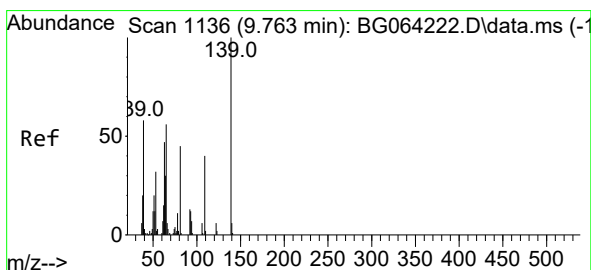
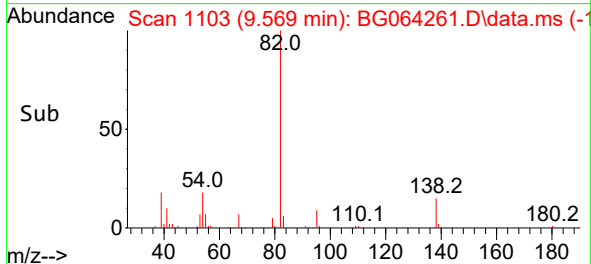
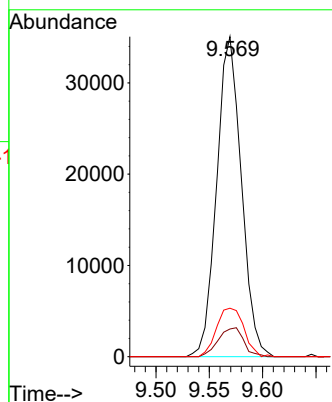
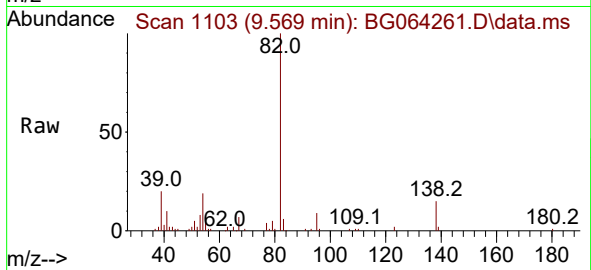
Tgt Ion: 82 Resp: 56315

Ion Ratio Lower Upper

82 100

95 8.6 7.9 11.9

138 15.1 13.0 19.4



#26

2-Nitrophenol

Concen: 9.272 ng

RT: 9.752 min Scan# 1134

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

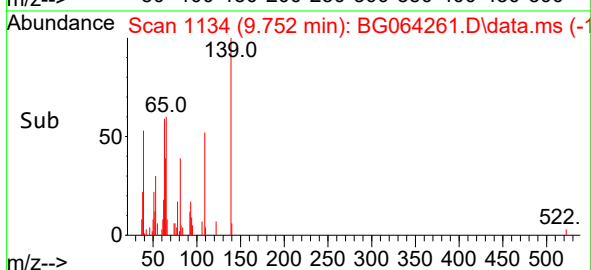
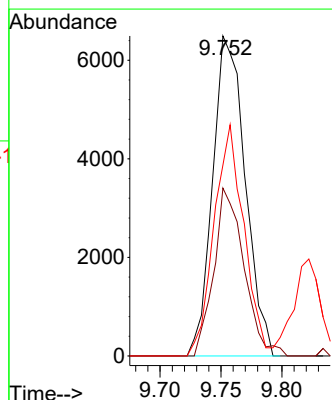
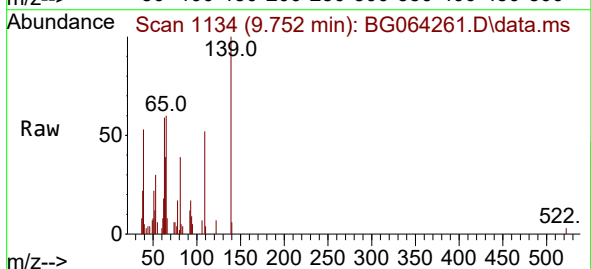
Tgt Ion:139 Resp: 12072

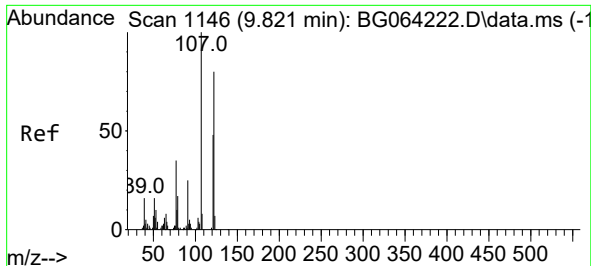
Ion Ratio Lower Upper

139 100

109 52.5 32.4 48.6#

65 59.6 44.6 67.0

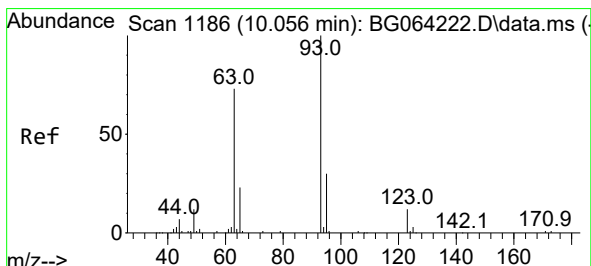
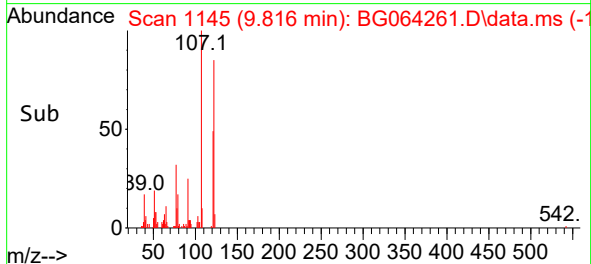
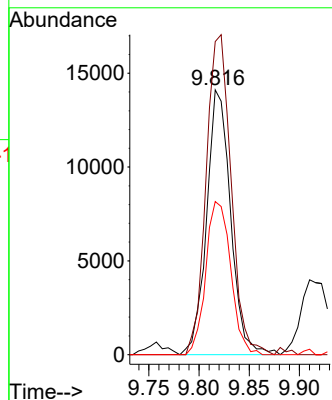
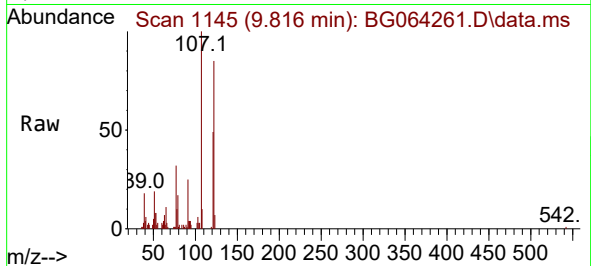




#27
2,4-Dimethylphenol
Concen: 10.310 ng
RT: 9.816 min Scan# 1145
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

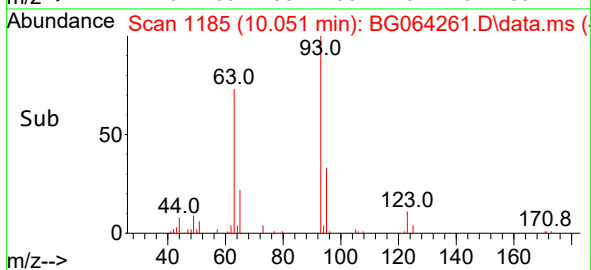
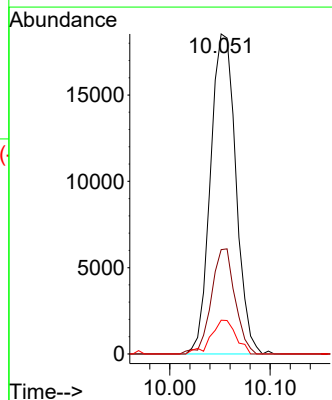
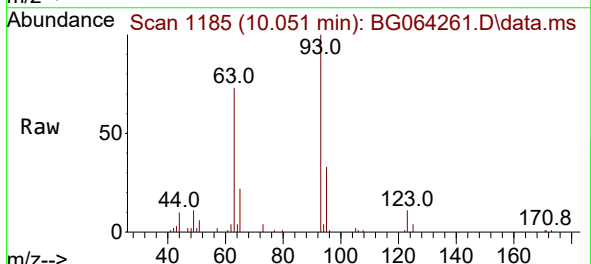
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

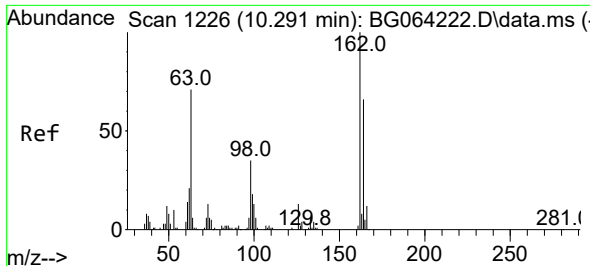
Tgt Ion:122 Resp: 23568
Ion Ratio Lower Upper
122 100
107 118.2 99.9 149.9
121 57.8 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 10.059 ng
RT: 10.051 min Scan# 1185
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion: 93 Resp: 32511
Ion Ratio Lower Upper
93 100
95 32.6 23.9 35.9
123 10.6 9.6 14.4

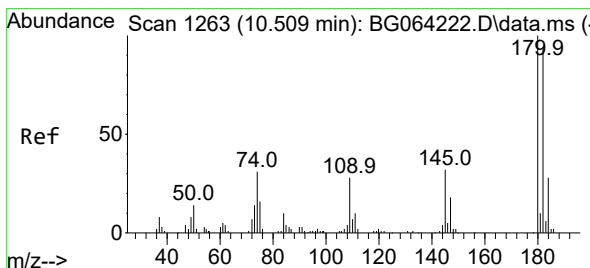
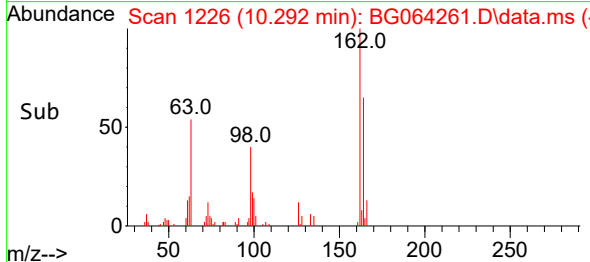
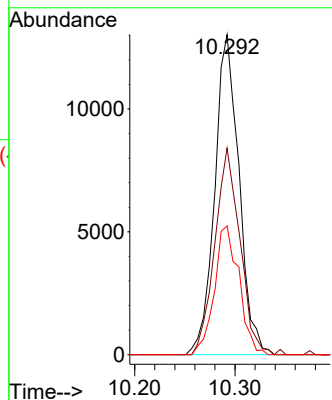
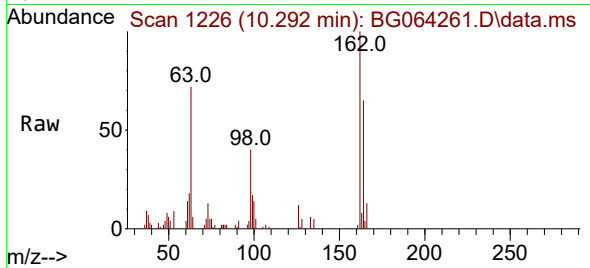




#29
2,4-Dichlorophenol
Concen: 9.066 ng
RT: 10.292 min Scan# 1226
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

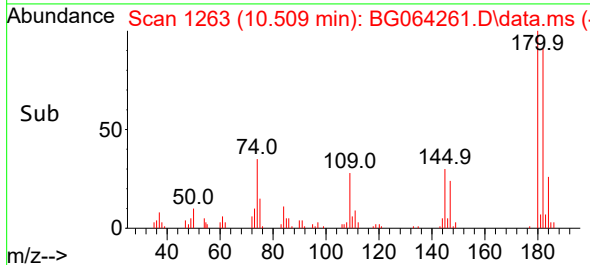
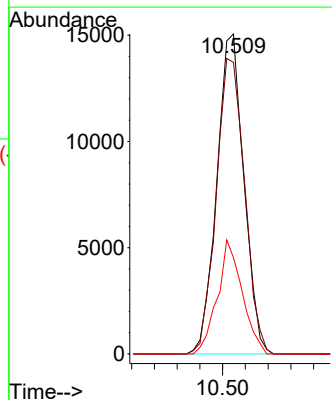
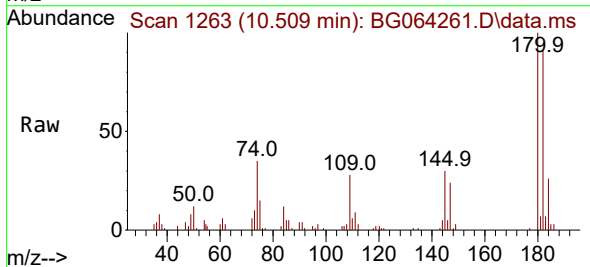
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

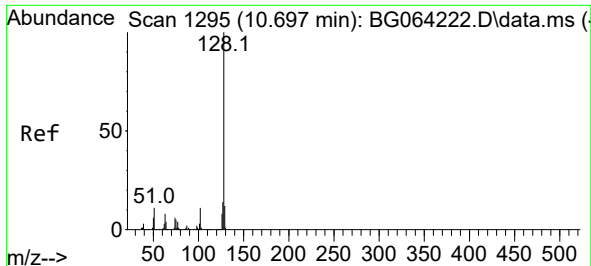
Tgt Ion:162 Resp: 21865
Ion Ratio Lower Upper
162 100
164 64.5 45.8 85.8
98 40.3 15.2 55.2



#30
1,2,4-Trichlorobenzene
Concen: 9.753 ng
RT: 10.509 min Scan# 1263
Delta R.T. 0.001 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:180 Resp: 24803
Ion Ratio Lower Upper
180 100
182 91.1 75.0 112.6
145 30.1 25.4 38.0

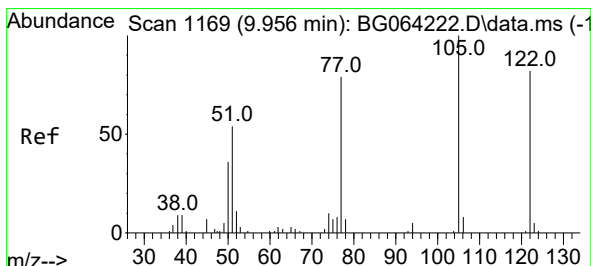
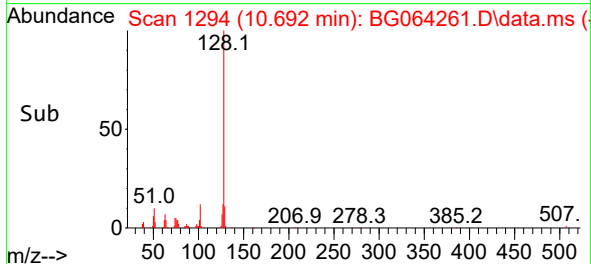
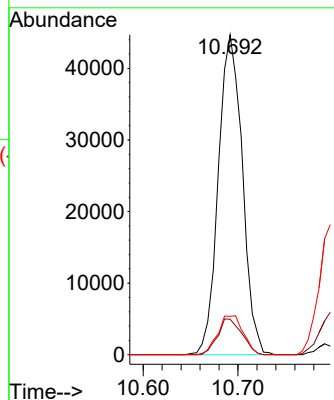
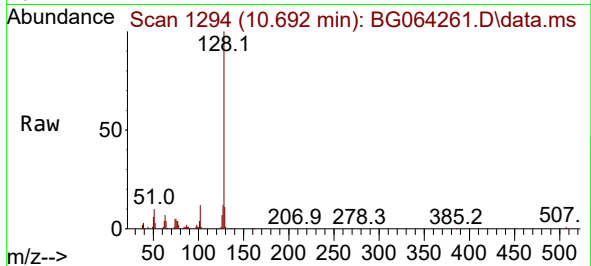




#31
Naphthalene
Concen: 9.436 ng
RT: 10.692 min Scan# 1161
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

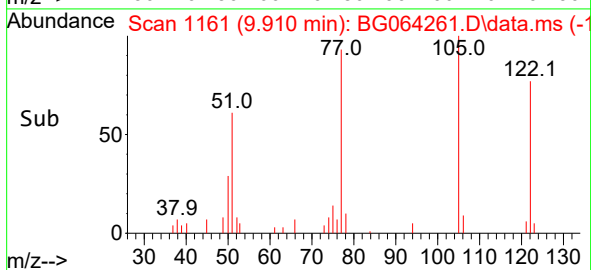
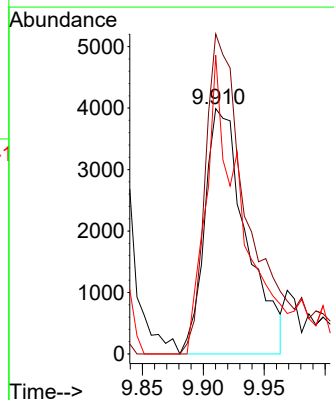
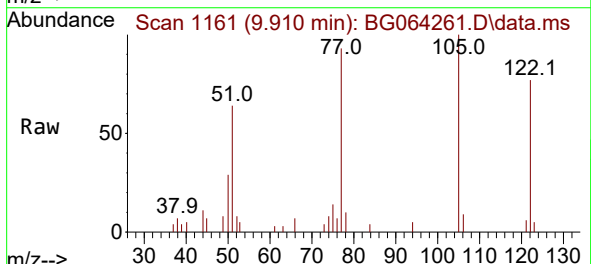
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

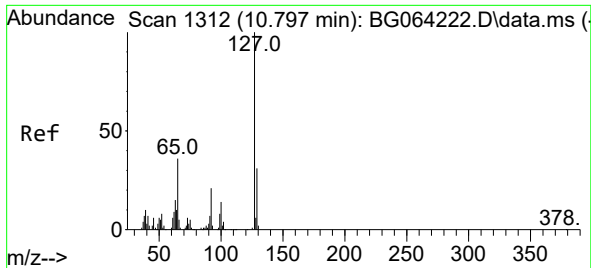
Tgt Ion:128 Resp: 78702
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.0 10.9 16.3



#32
Benzoic acid
Concen: 5.199 ng
RT: 9.910 min Scan# 1161
Delta R.T. -0.105 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:122 Resp: 9434
Ion Ratio Lower Upper
122 100
105 130.5 98.5 138.5
77 121.8 74.6 114.6#

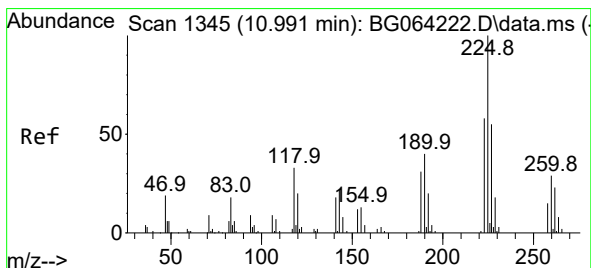
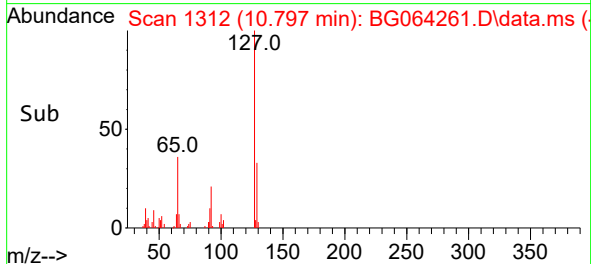
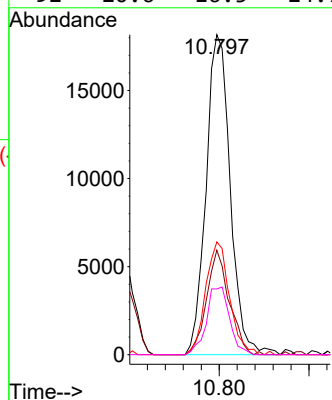
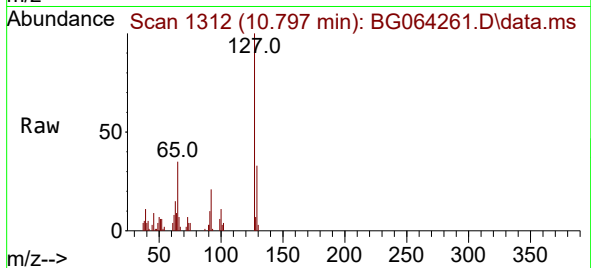




#33
4-Chloroaniline
Concen: 10.502 ng
RT: 10.797 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

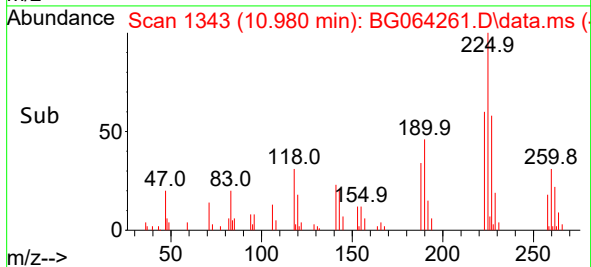
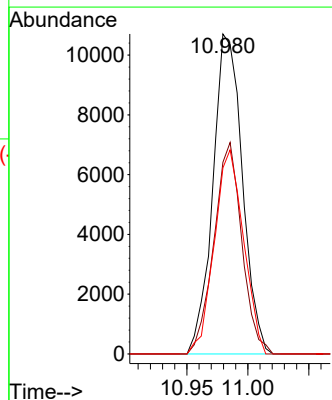
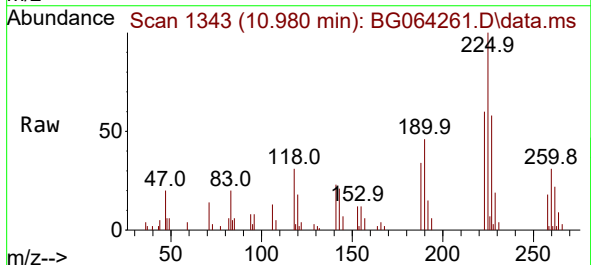
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

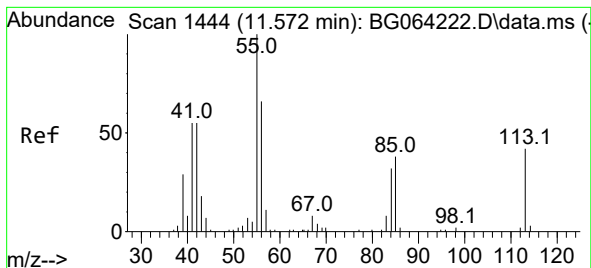
Tgt Ion:	127	Resp:	33949
Ion Ratio	Lower	Upper	
127	100		
129	32.7	25.0	37.4
65	35.3	28.7	43.1
92	20.6	16.5	24.7



#34
Hexachlorobutadiene
Concen: 9.569 ng
RT: 10.980 min Scan# 1343
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:	225	Resp:	17988
Ion Ratio	Lower	Upper	
225	100		
223	59.9	46.5	69.7
227	58.2	44.1	66.1





#35

Caprolactam

Concen: 8.492 ng

RT: 11.549 min Scan# 14

Delta R.T. -0.052 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

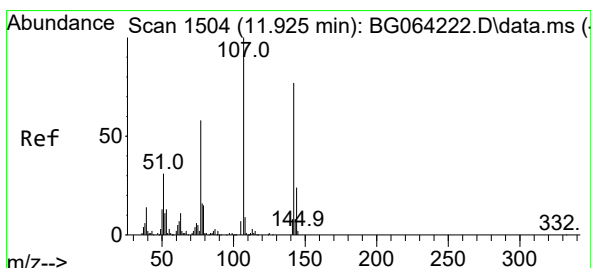
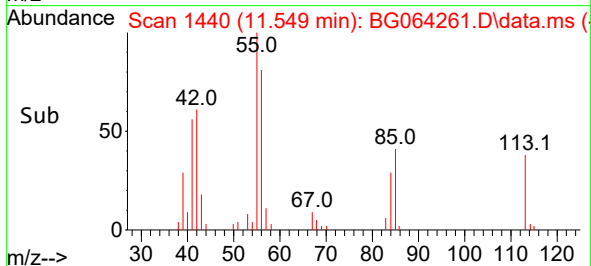
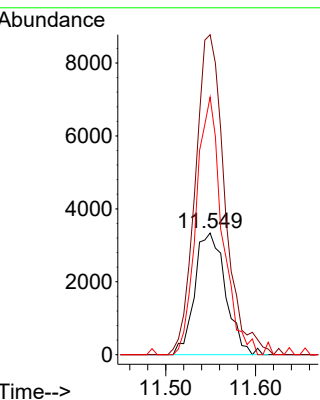
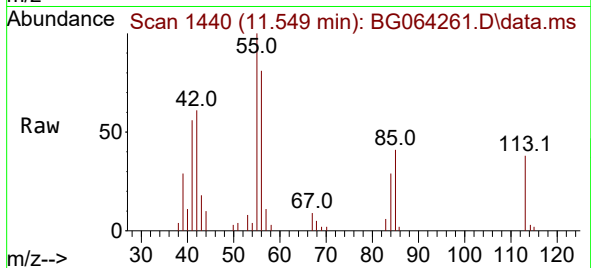
Tgt Ion:113 Resp: 7931

Ion Ratio Lower Upper

113 100

55 263.0 218.5 258.5#

56 211.7 138.5 178.5#



#36

4-Chloro-3-methylphenol

Concen: 9.216 ng

RT: 11.920 min Scan# 1503

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

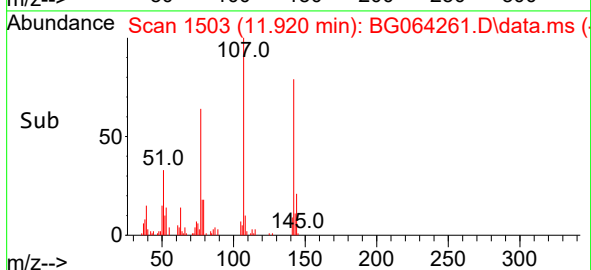
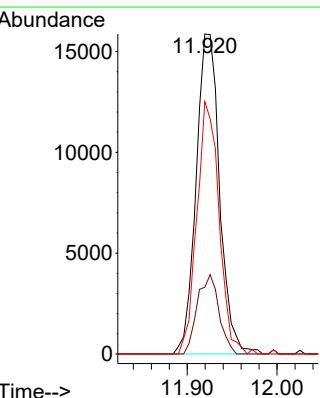
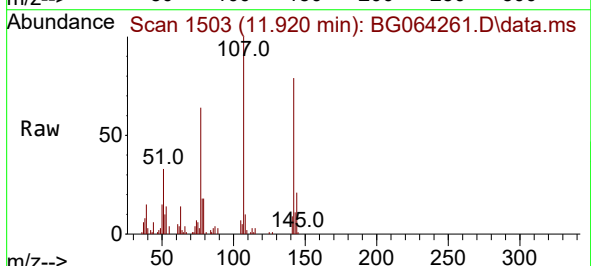
Tgt Ion:107 Resp: 28841

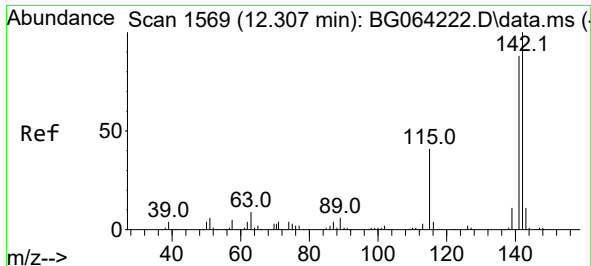
Ion Ratio Lower Upper

107 100

144 20.8 19.5 29.3

142 78.9 62.0 93.0





#37

2-Methylnaphthalene

Concen: 8.456 ng

RT: 12.301 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

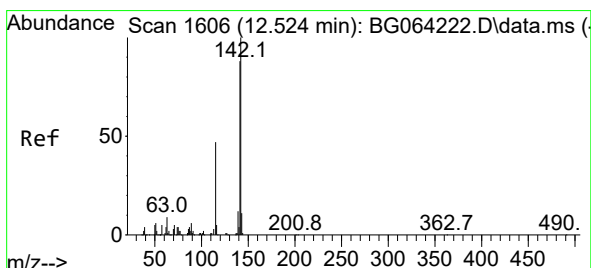
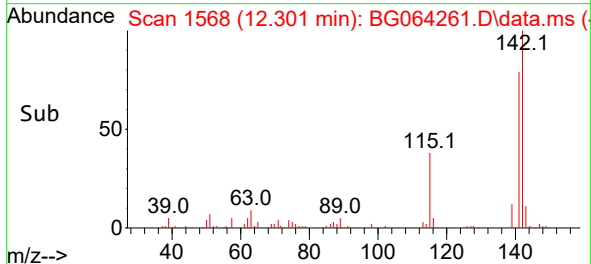
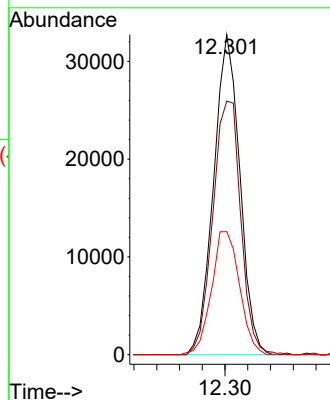
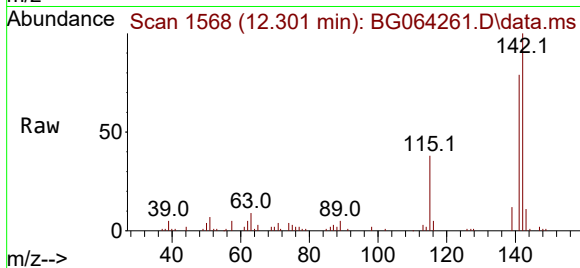
Tgt Ion:142 Resp: 52422

Ion Ratio Lower Upper

142 100

141 79.3 70.1 105.1

115 38.5 33.1 49.7



#38

1-Methylnaphthalene

Concen: 9.356 ng

RT: 12.519 min Scan# 1605

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

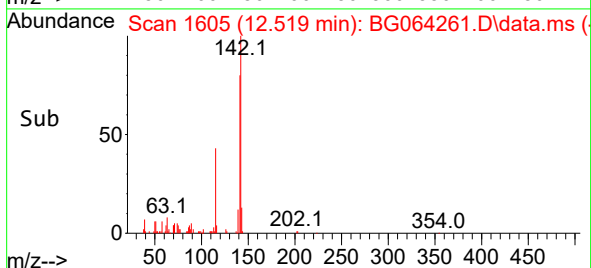
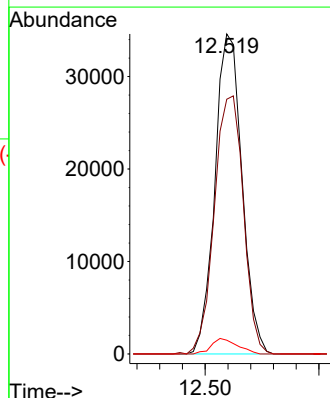
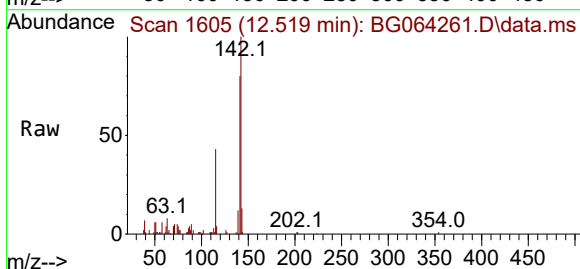
Tgt Ion:142 Resp: 57291

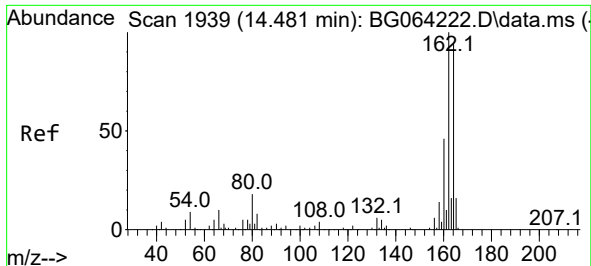
Ion Ratio Lower Upper

142 100

141 79.6 70.3 105.5

116 4.3 3.7 5.5

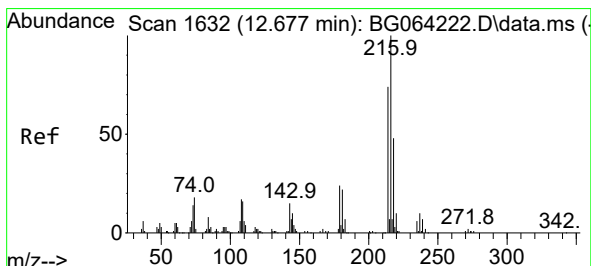
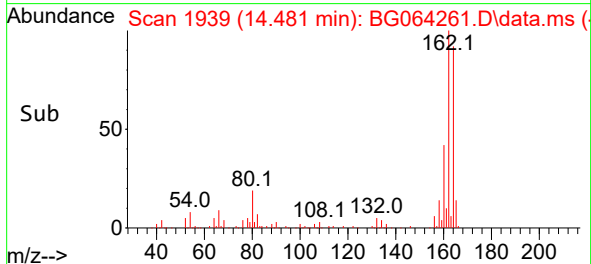
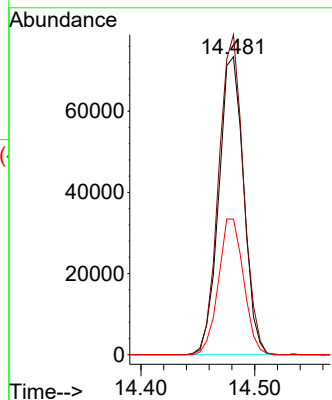
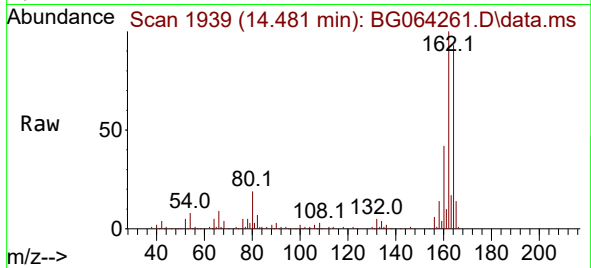




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

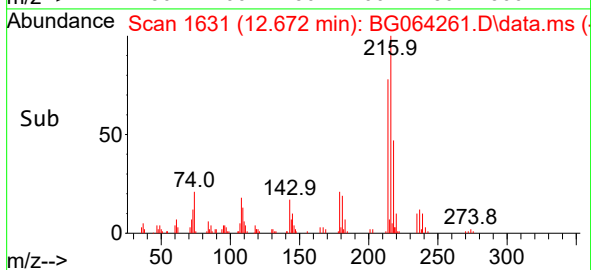
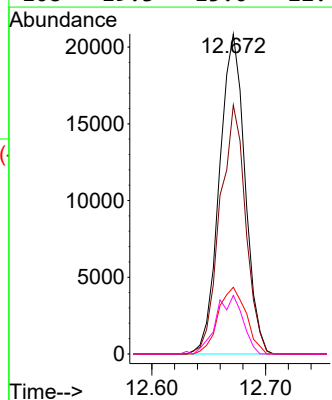
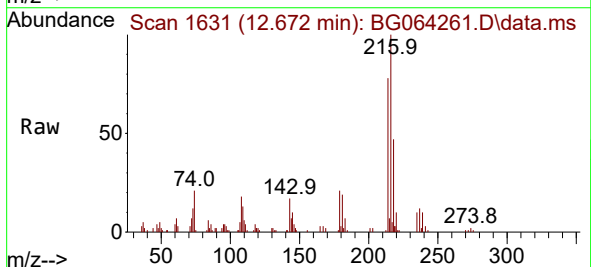
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

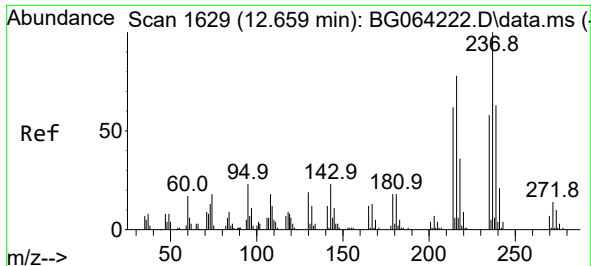
Tgt Ion:164 Resp: 111619
Ion Ratio Lower Upper
164 100
162 107.4 85.4 128.0
160 45.5 39.2 58.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.094 ng
RT: 12.672 min Scan# 1631
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

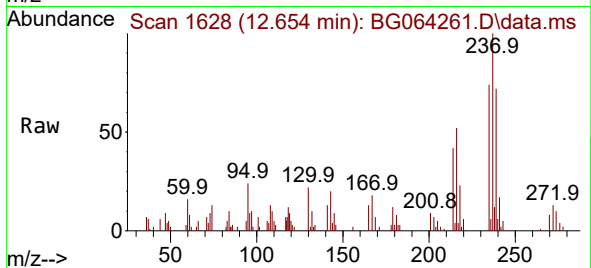
Tgt Ion:216 Resp: 32508
Ion Ratio Lower Upper
216 100
214 78.0 61.9 92.9
179 22.8 17.9 26.9
108 19.3 15.0 22.4



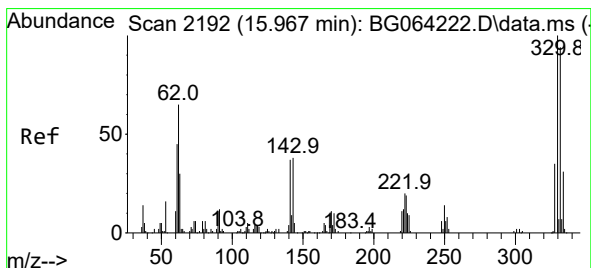
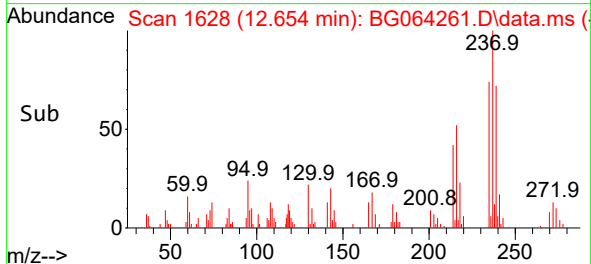
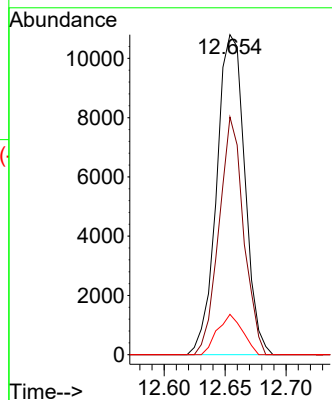


#41
Hexachlorocyclopentadiene
Concen: 11.322 ng
RT: 12.654 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

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

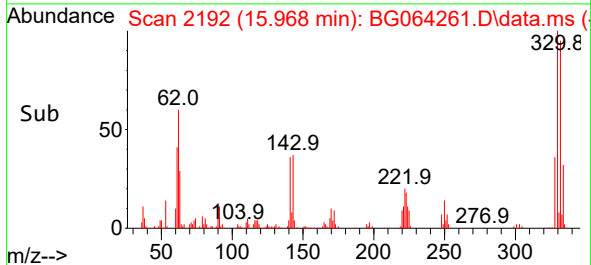
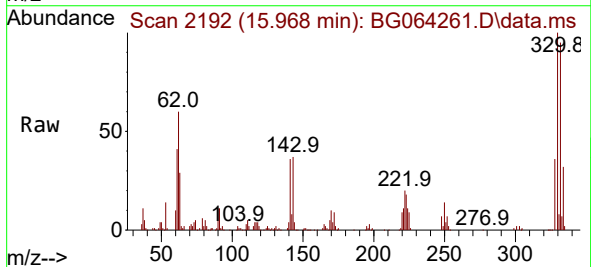
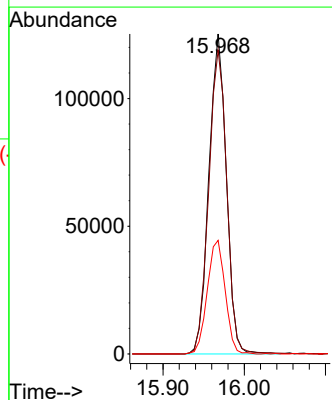


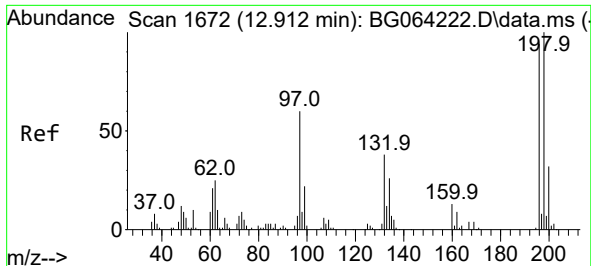
Tgt Ion:237 Resp: 17329
Ion Ratio Lower Upper
237 100
235 74.3 37.9 77.9
272 12.6 0.0 33.8



#42
2,4,6-Tribromophenol
Concen: 126.206 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:330 Resp: 186589
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 36.4 29.8 44.6





#43

2,4,6-Trichlorophenol

Concen: 9.654 ng

RT: 12.913 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

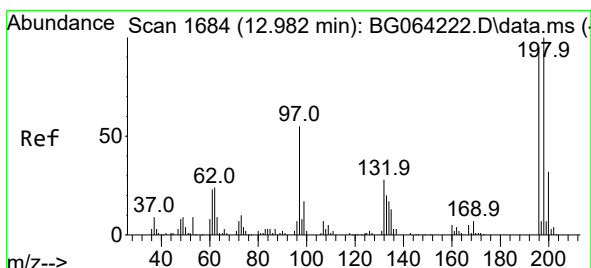
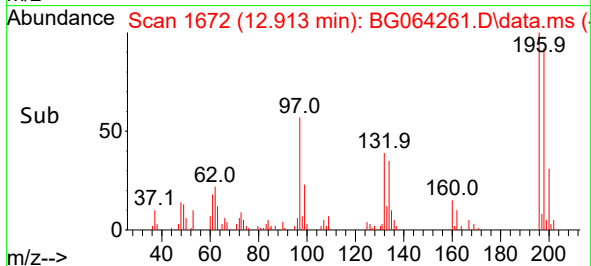
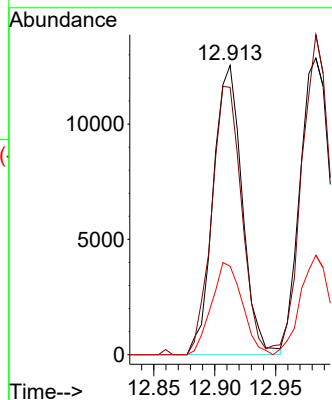
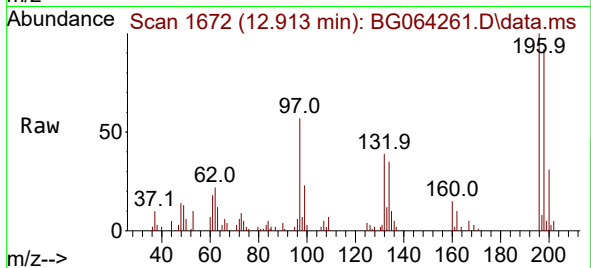
Tgt Ion:196 Resp: 20782

Ion Ratio Lower Upper

196 100

198 92.4 85.4 128.2

200 30.6 27.3 40.9



#44

2,4,5-Trichlorophenol

Concen: 9.855 ng

RT: 12.983 min Scan# 1684

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Tgt Ion:196 Resp: 23011

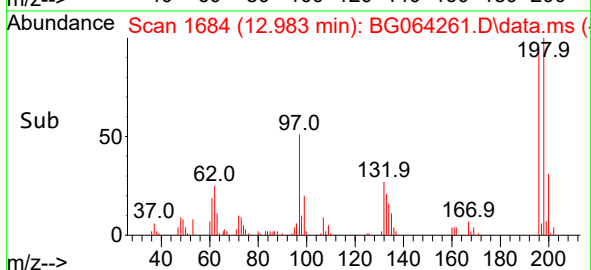
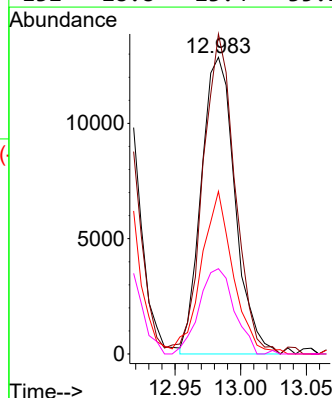
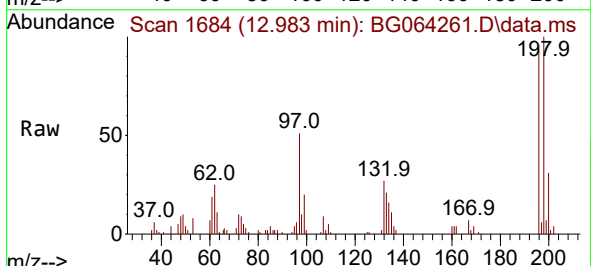
Ion Ratio Lower Upper

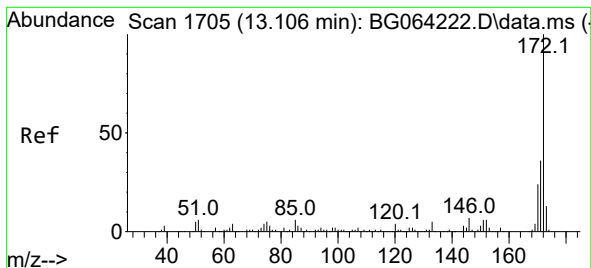
196 100

198 107.9 84.5 126.7

97 54.8 46.8 70.2

132 28.8 23.4 35.2

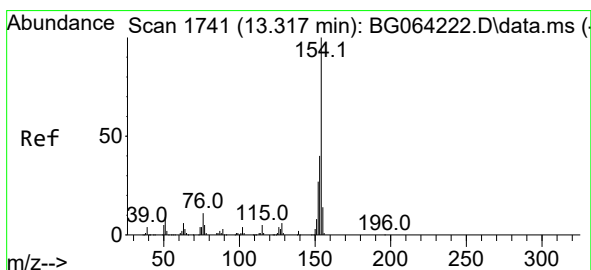
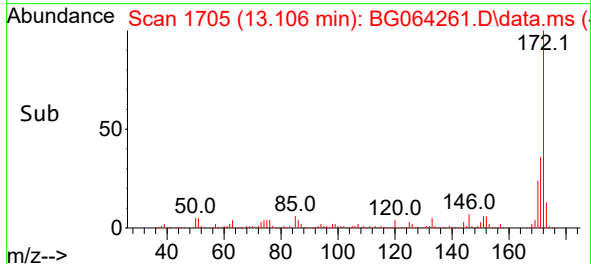
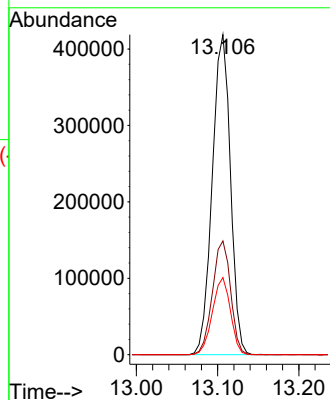
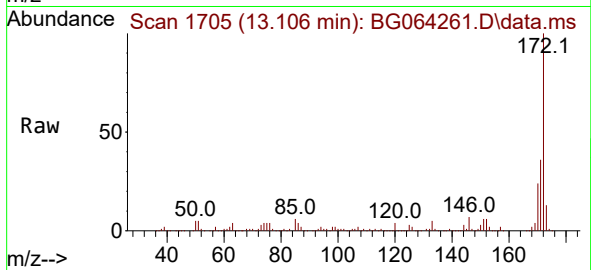




#45
2-Fluorobiphenyl
Concen: 88.971 ng
RT: 13.106 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

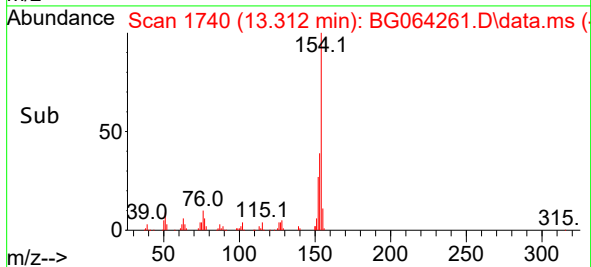
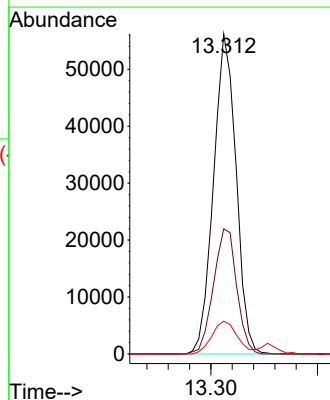
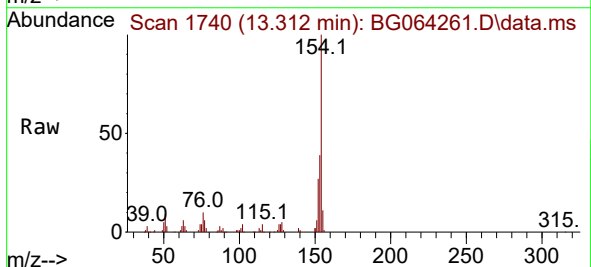
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

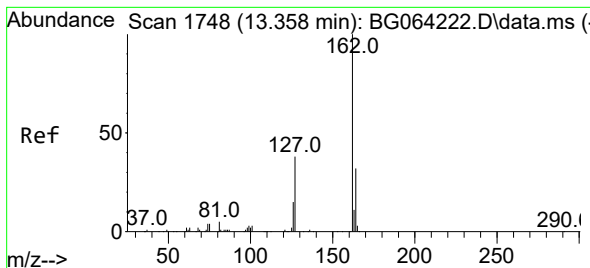
Tgt Ion:172 Resp: 650627
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 24.1 19.0 28.6



#46
1,1'-Biphenyl
Concen: 10.128 ng
RT: 13.312 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:154 Resp: 82336
Ion Ratio Lower Upper
154 100
153 39.1 19.9 59.9
76 10.2 0.0 30.9





#47

2-Chloronaphthalene

Concen: 9.670 ng

RT: 13.353 min Scan# 1747

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

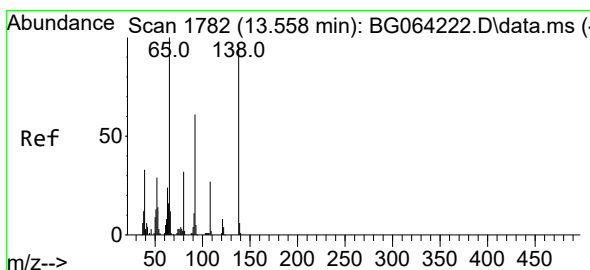
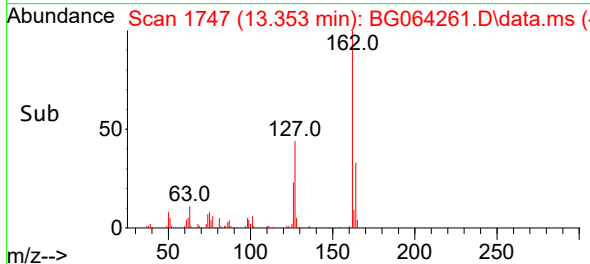
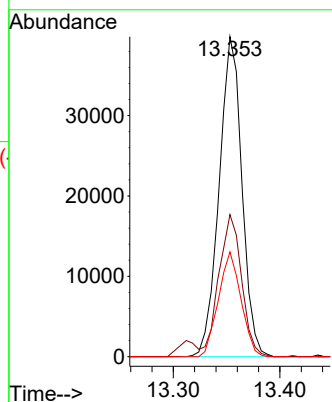
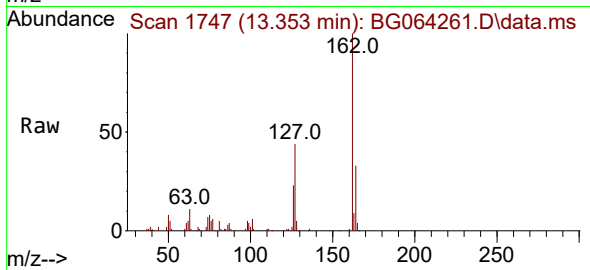
Tgt Ion:162 Resp: 59099

Ion Ratio Lower Upper

162 100

127 44.4 33.9 50.9

164 32.8 25.4 38.2



#48

2-Nitroaniline

Concen: 9.693 ng

RT: 13.553 min Scan# 1781

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

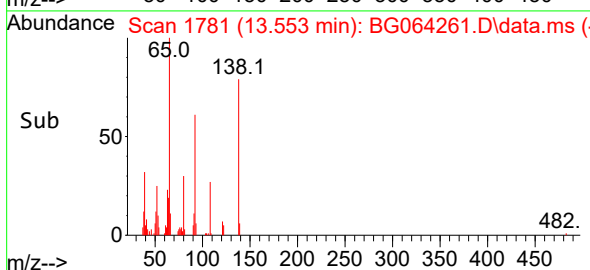
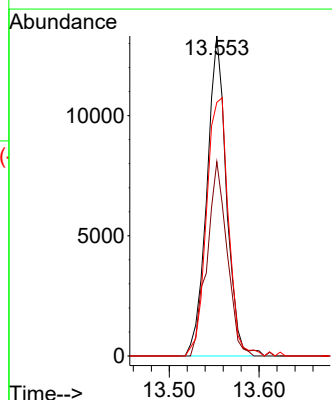
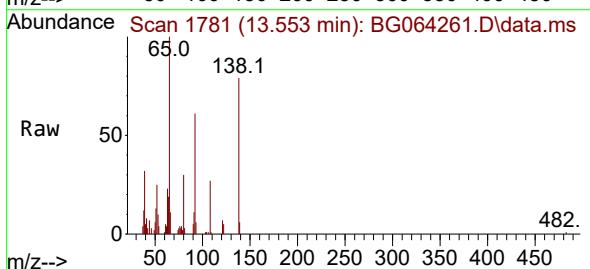
Tgt Ion: 65 Resp: 20192

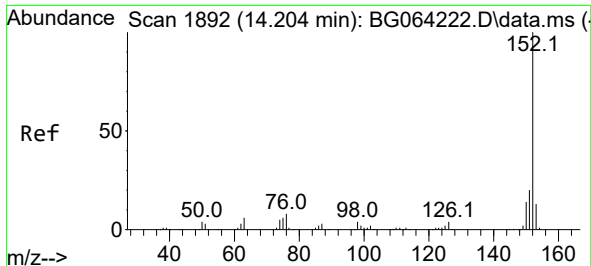
Ion Ratio Lower Upper

65 100

92 60.7 49.2 73.8

138 79.3 76.8 115.2

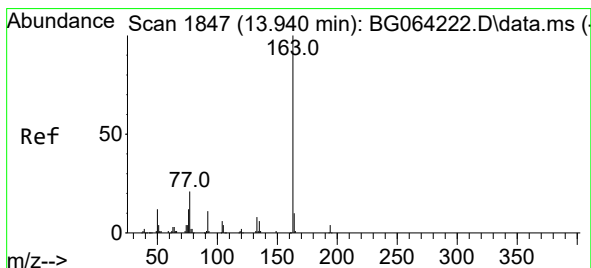
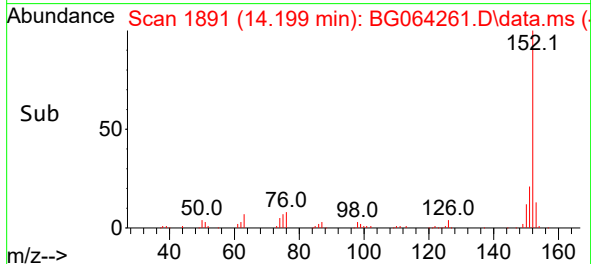
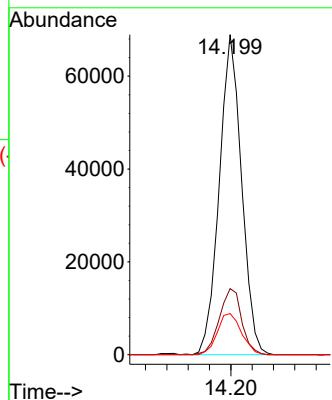
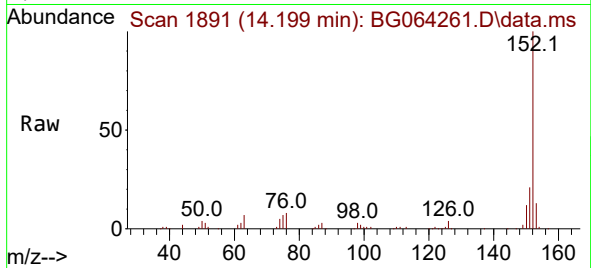




#49
Acenaphthylene
Concen: 11.042 ng
RT: 14.199 min Scan# 1891
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

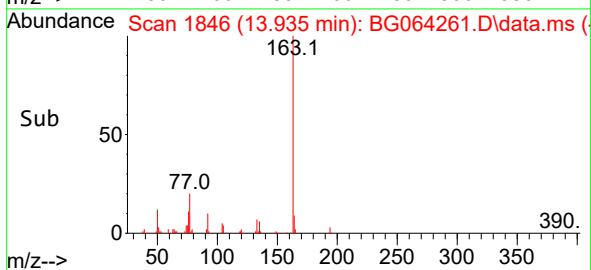
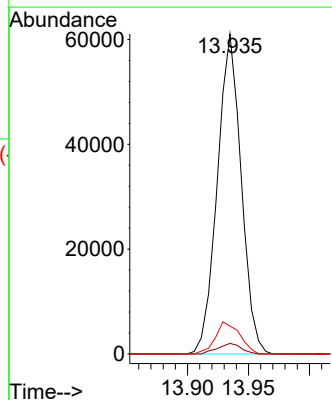
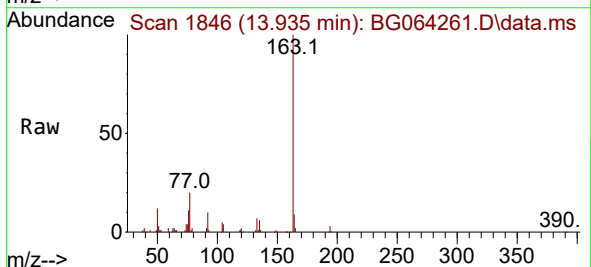
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

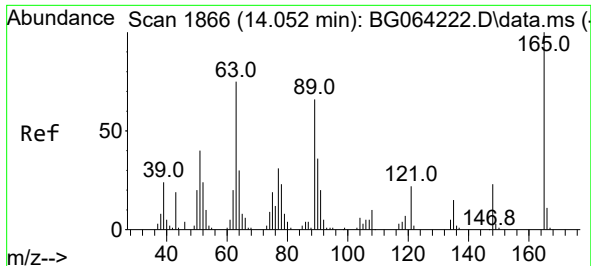
Tgt Ion:152 Resp: 99758
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 12.9 10.1 15.1



#50
Dimethylphthalate
Concen: 9.859 ng
RT: 13.935 min Scan# 1846
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:163 Resp: 83296
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 8.7 7.9 11.9

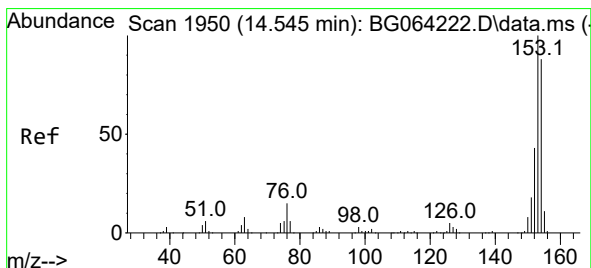
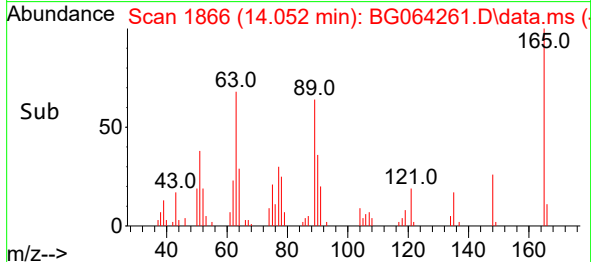
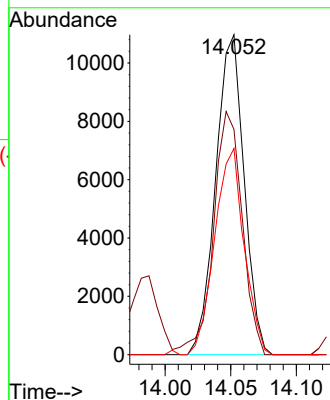
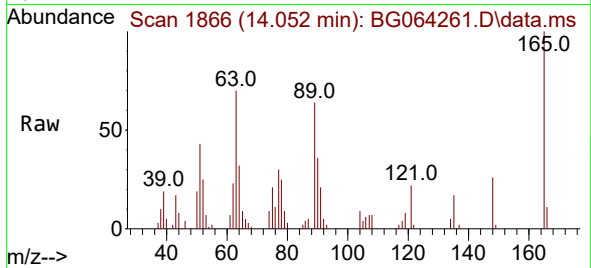




#51
2,6-Dinitrotoluene
Concen: 10.110 ng
RT: 14.052 min Scan# 1866
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

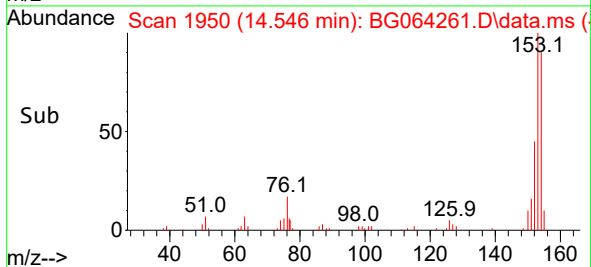
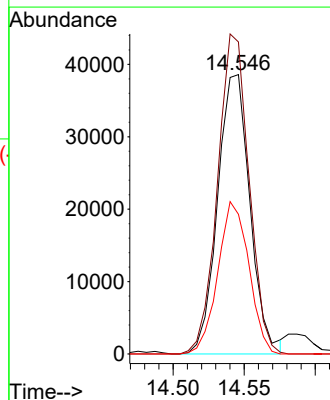
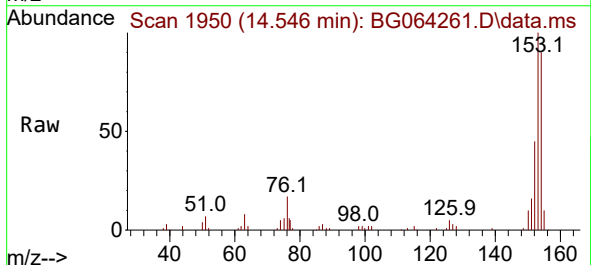
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

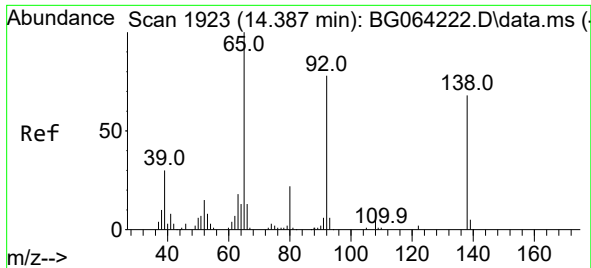
Tgt Ion:165 Resp: 16536
Ion Ratio Lower Upper
165 100
63 70.4 60.3 90.5
89 64.5 52.9 79.3



#52
Acenaphthene
Concen: 9.591 ng
RT: 14.546 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:154 Resp: 61152
Ion Ratio Lower Upper
154 100
153 111.7 91.1 136.7
152 50.0 39.6 59.4

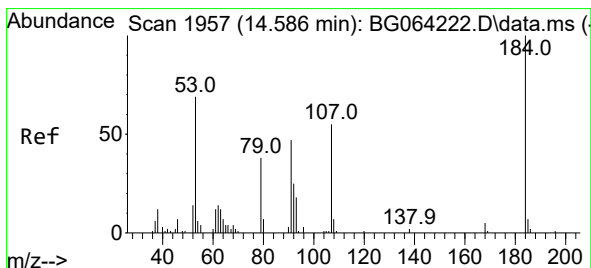
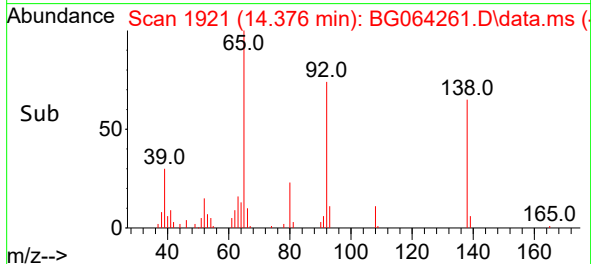
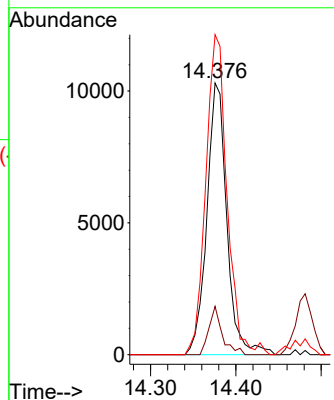
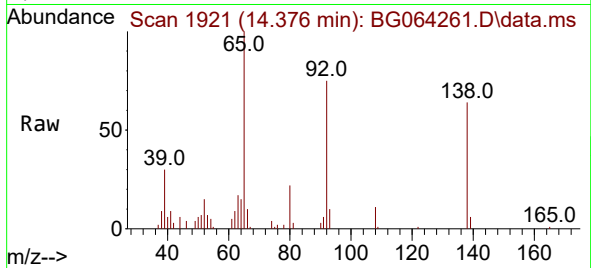




#53
3-Nitroaniline
Concen: 9.789 ng
RT: 14.376 min Scan# 1921
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

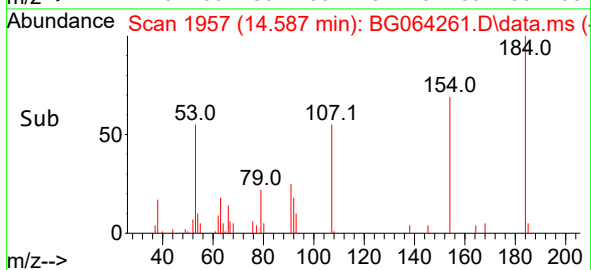
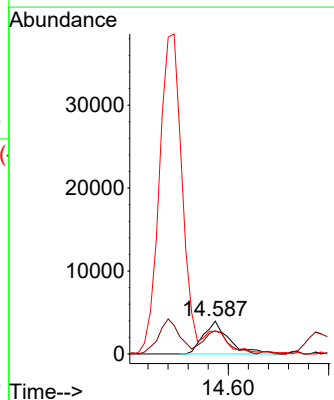
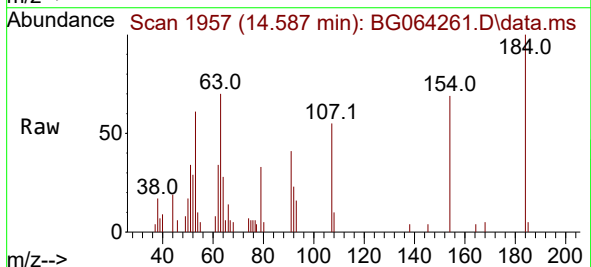
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

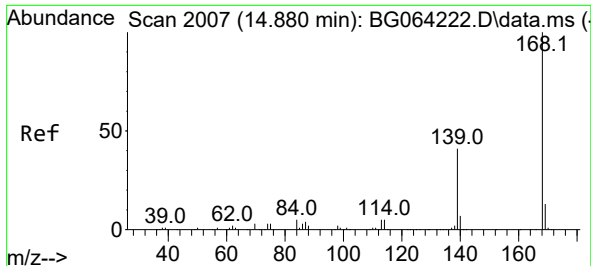
Tgt Ion:138 Resp: 16772
Ion Ratio Lower Upper
138 100
108 17.8 11.0 16.6#
92 117.8 91.4 137.0



#54
2,4-Dinitrophenol
Concen: 11.707 ng
RT: 14.587 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:184 Resp: 6963
Ion Ratio Lower Upper
184 100
63 70.3 60.1 90.1
154 69.4 59.8 89.8

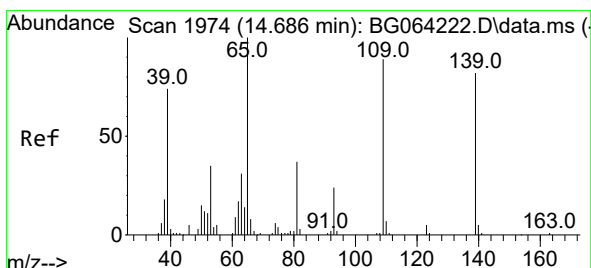
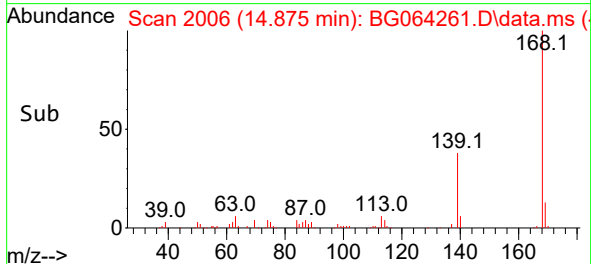
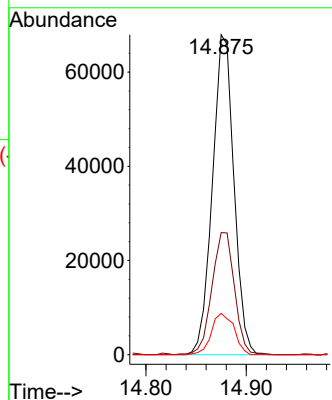
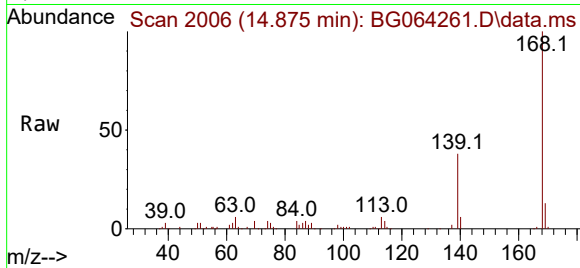




#55
Dibenzenofuran
Concen: 10.057 ng
RT: 14.875 min Scan# 20
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

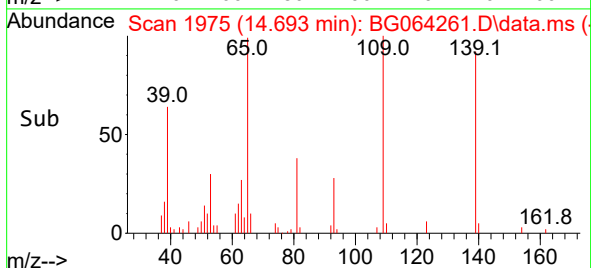
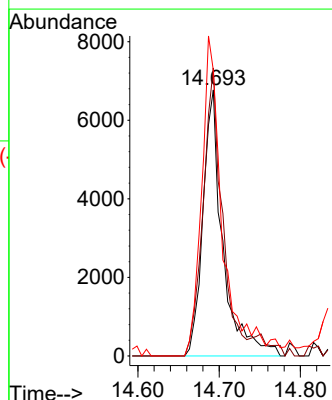
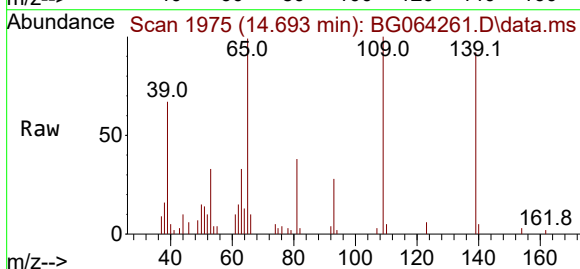
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

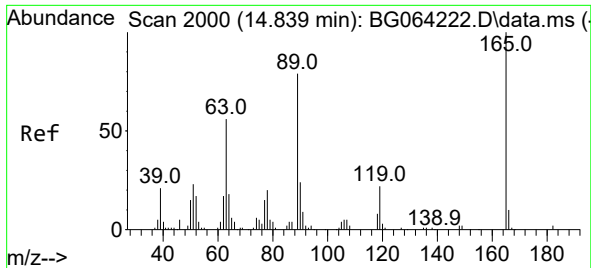
Tgt Ion:168 Resp: 100862
Ion Ratio Lower Upper
168 100
139 38.1 33.2 49.8
169 12.9 10.4 15.6



#56
4-Nitrophenol
Concen: 8.168 ng
RT: 14.693 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:139 Resp: 11480
Ion Ratio Lower Upper
139 100
109 108.2 89.1 129.1
65 107.4 102.9 142.9





#57

2,4-Dinitrotoluene

Concen: 9.604 ng

RT: 14.834 min Scan# 1999

Delta R.T. -0.011 min

Lab File: BG064261.D

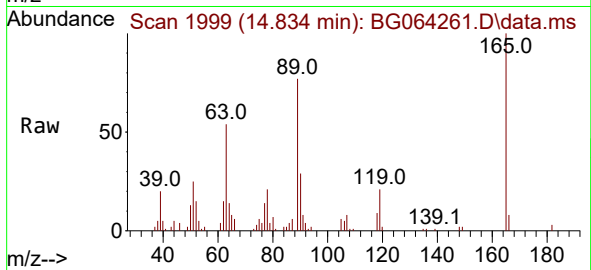
Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion:165 Resp: 23752

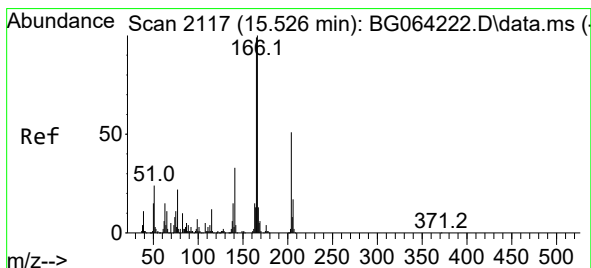
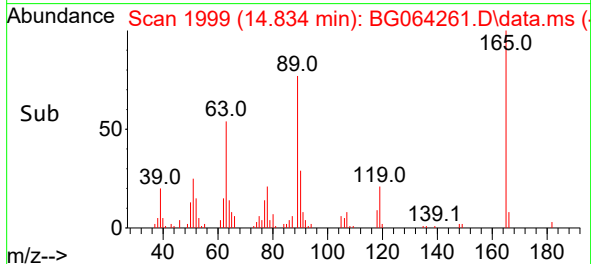
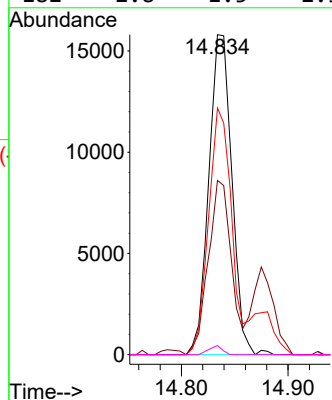
Ion Ratio Lower Upper

165 100

63 54.4 44.6 67.0

89 77.1 63.0 94.4

182 2.8 1.5 2.3#



#58

Fluorene

Concen: 9.978 ng

RT: 15.527 min Scan# 2117

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

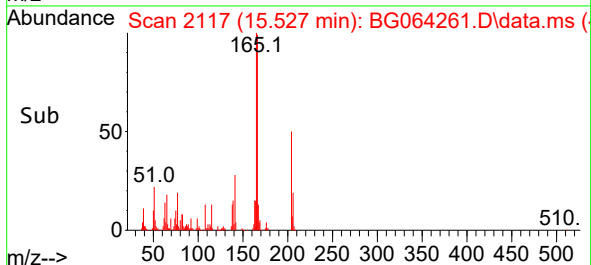
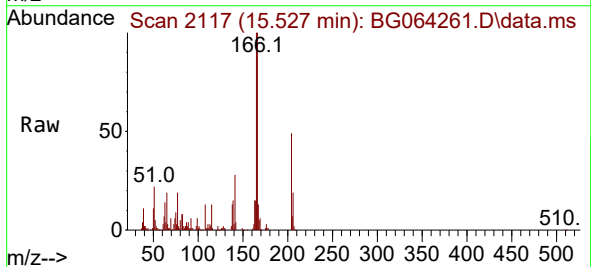
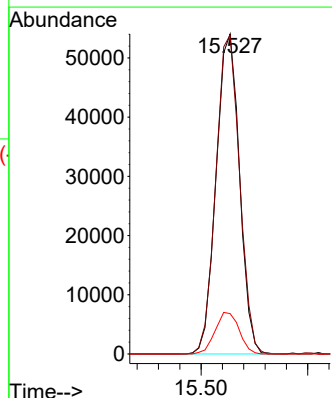
Tgt Ion:166 Resp: 82015

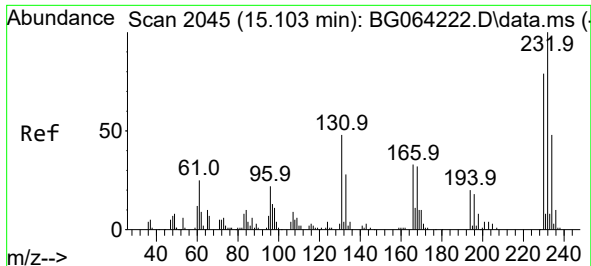
Ion Ratio Lower Upper

166 100

165 99.7 79.1 118.7

167 12.6 10.2 15.4

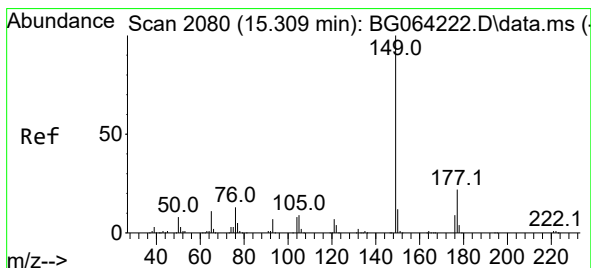
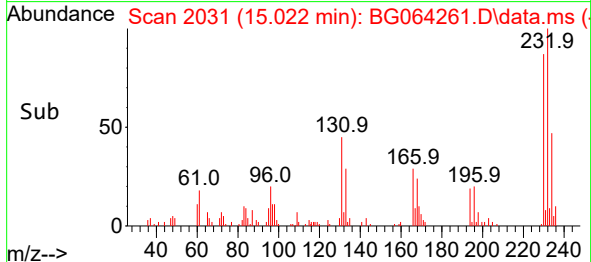
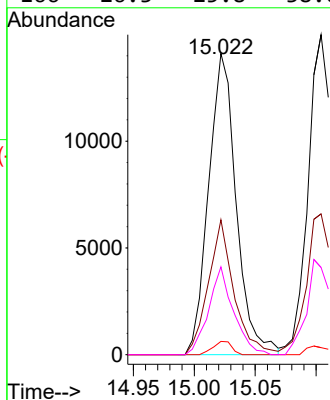
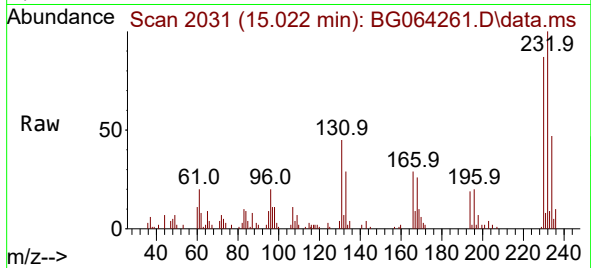




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.911 ng
RT: 15.022 min Scan# 2045
Delta R.T. -0.088 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

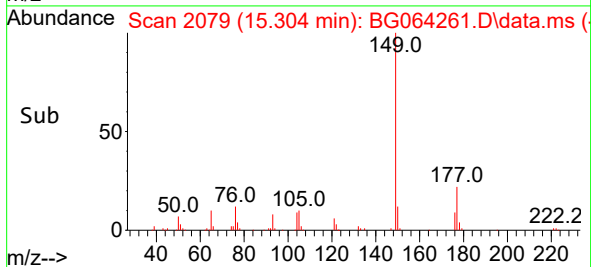
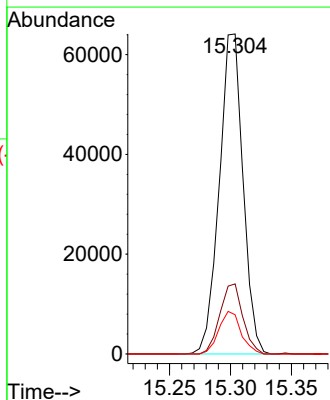
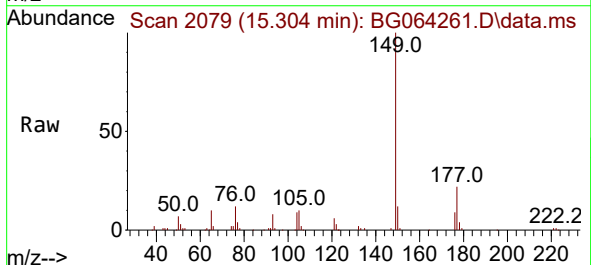
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2025

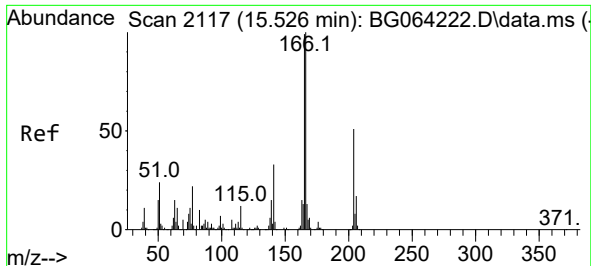
Tgt Ion:232 Resp: 22258
Ion Ratio Lower Upper
232 100
131 41.6 37.1 55.7
130 3.0 2.6 3.8
166 26.3 25.8 38.6



#60
Diethylphthalate
Concen: 9.626 ng
RT: 15.304 min Scan# 2079
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:149 Resp: 87035
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.3 9.9 14.9

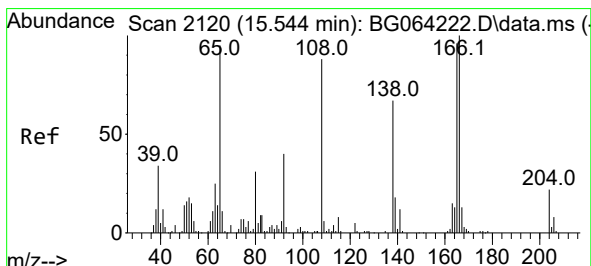
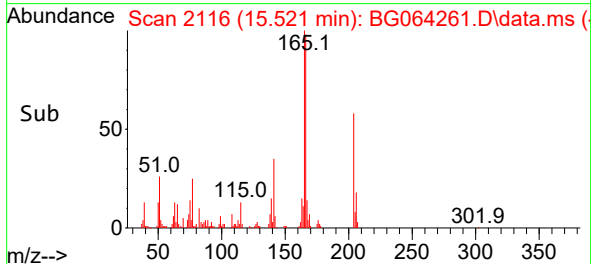
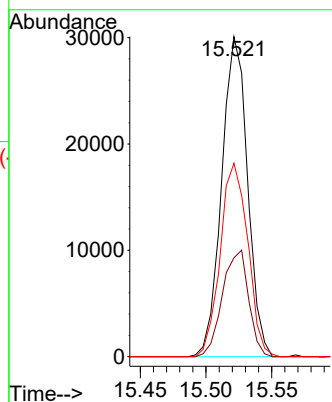
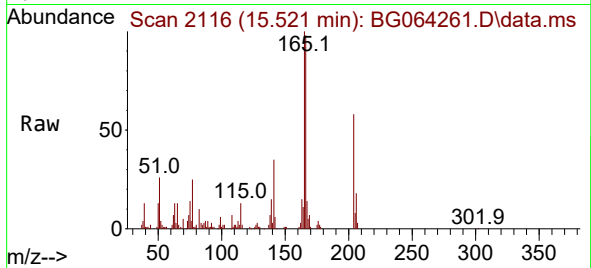




#61
4-Chlorophenyl-phenylether
Concen: 10.071 ng
RT: 15.521 min Scan# 2116
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

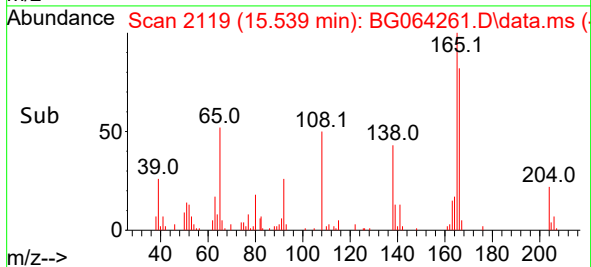
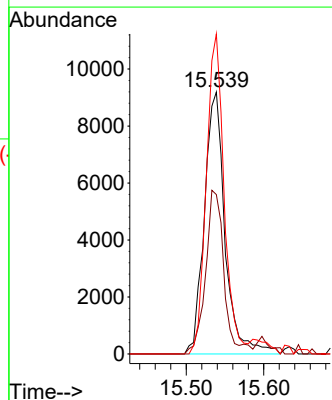
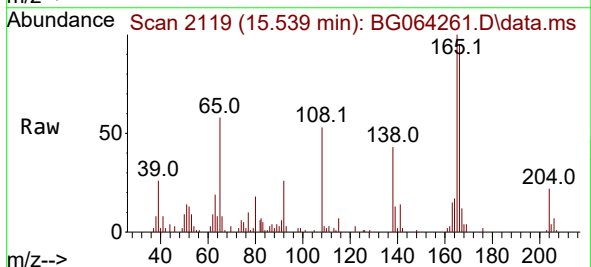
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

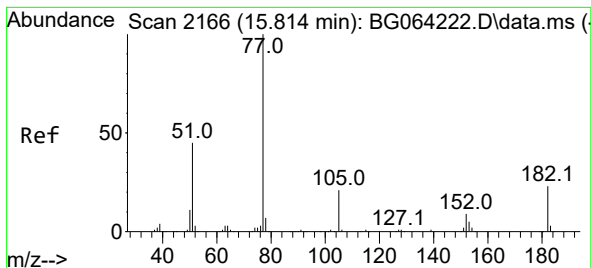
Tgt Ion:204 Resp: 41272
Ion Ratio Lower Upper
204 100
206 30.9 26.2 39.4
141 60.5 51.9 77.9



#62
4-Nitroaniline
Concen: 9.746 ng
RT: 15.539 min Scan# 2119
Delta R.T. -0.017 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:138 Resp: 17039
Ion Ratio Lower Upper
138 100
92 60.8 39.1 79.1
108 122.2 111.3 151.3





#63

Azobenzene

Concen: 9.943 ng

RT: 15.815 min Scan# 2166

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 77 Resp: 80133

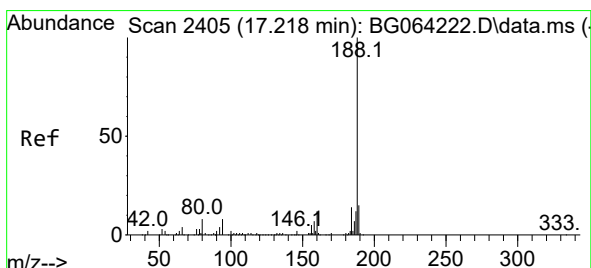
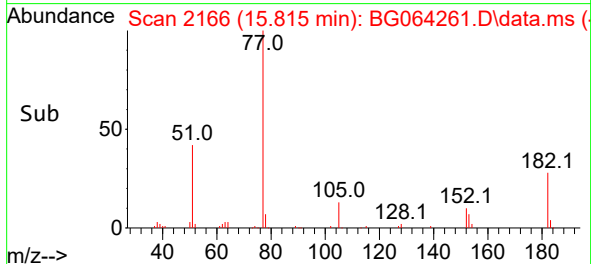
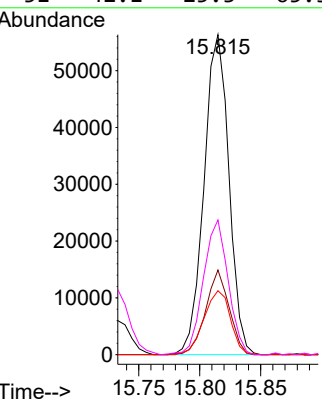
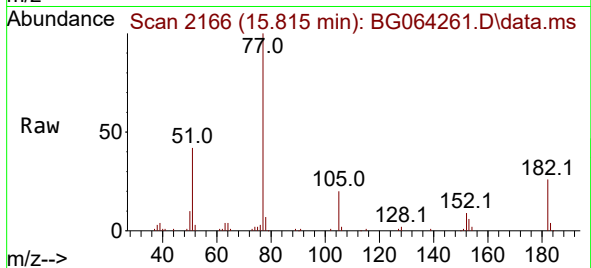
Ion Ratio Lower Upper

77 100

182 26.5 3.3 43.3

105 20.0 0.6 40.6

51 42.1 25.3 65.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2405

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

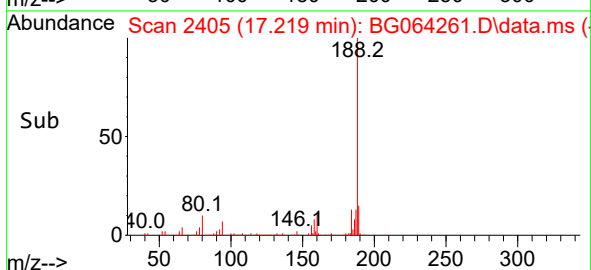
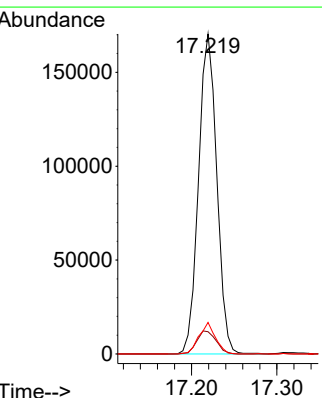
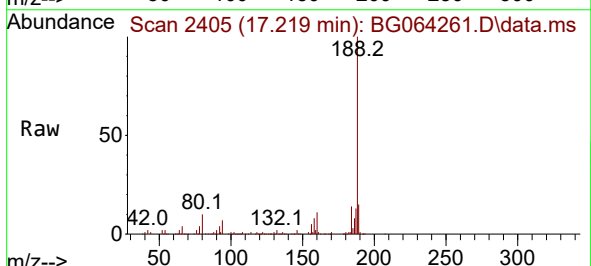
Tgt Ion:188 Resp: 253223

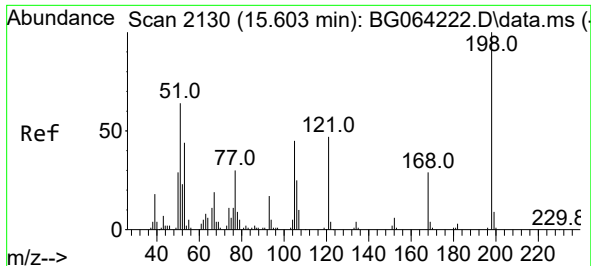
Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

80 9.8 6.8 10.2

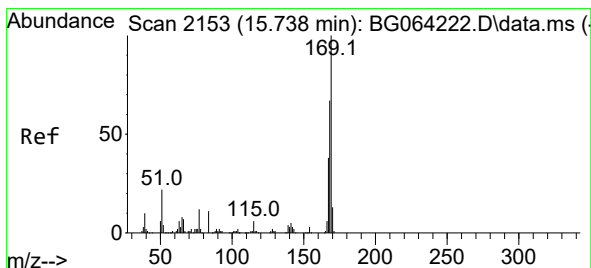
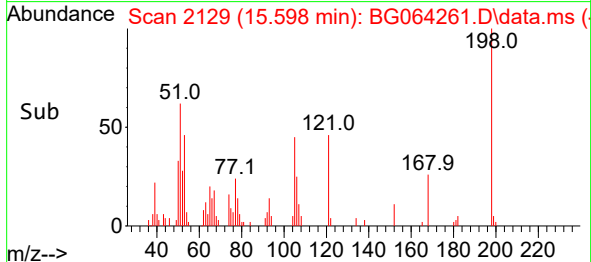
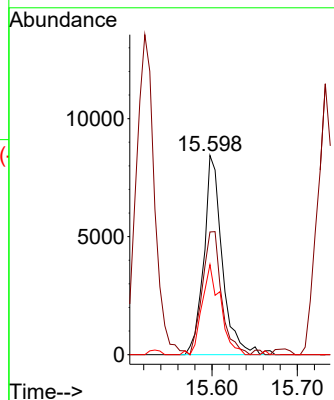
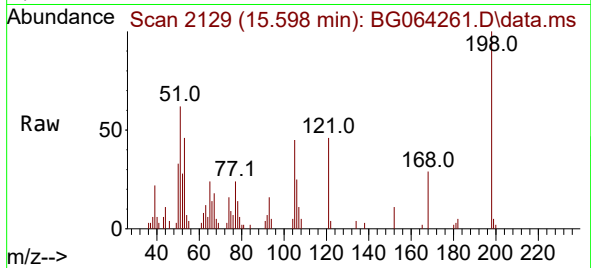




#65
4,6-Dinitro-2-methylphenol
Concen: 8.736 ng
RT: 15.598 min Scan# 2129
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

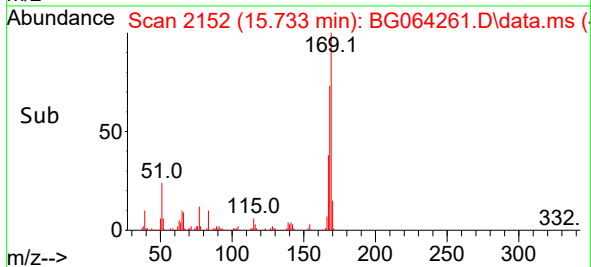
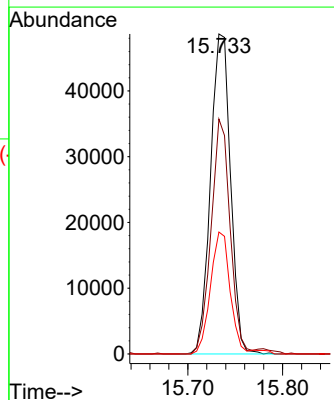
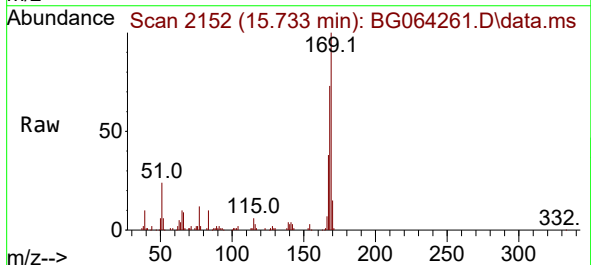
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

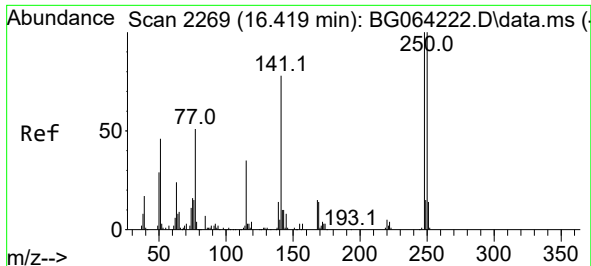
Tgt Ion:198 Resp: 12700
Ion Ratio Lower Upper
198 100
51 61.6 46.2 86.2
105 45.2 25.0 65.0



#66
n-Nitrosodiphenylamine
Concen: 10.230 ng
RT: 15.733 min Scan# 2152
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:169 Resp: 71263
Ion Ratio Lower Upper
169 100
168 73.4 53.8 80.8
167 38.1 30.2 45.2

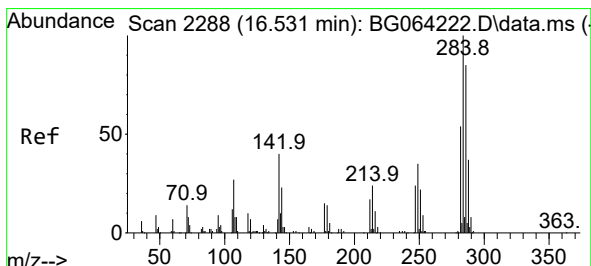
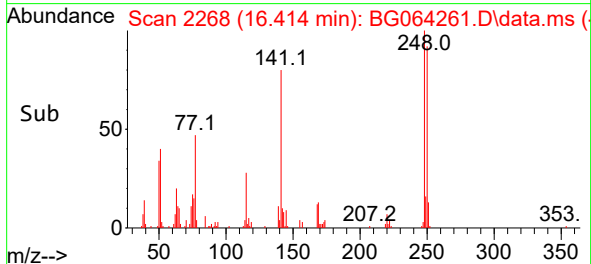
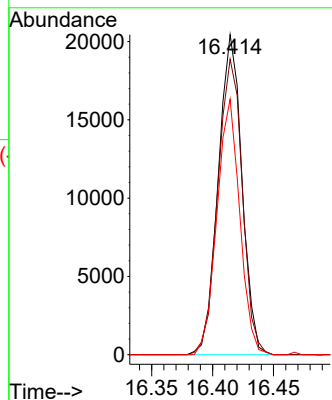
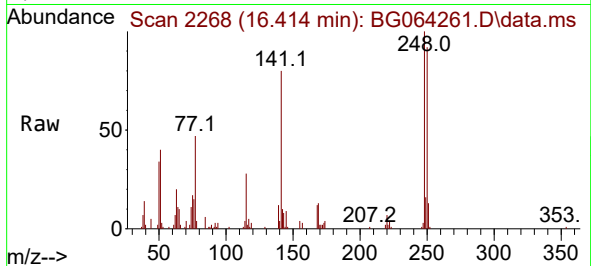




#67
4-Bromophenyl-phenylether
Concen: 10.284 ng
RT: 16.414 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

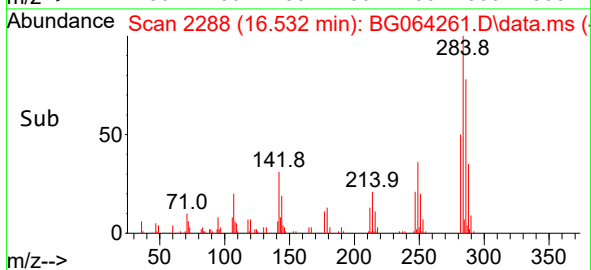
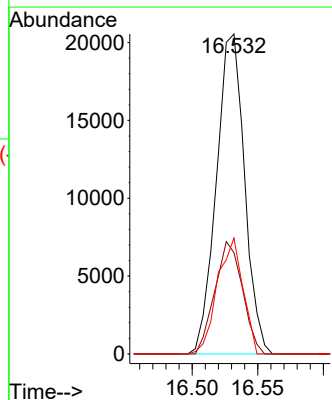
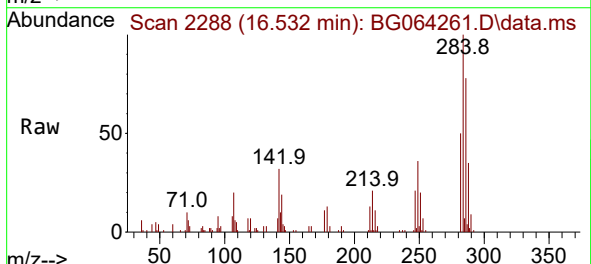
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

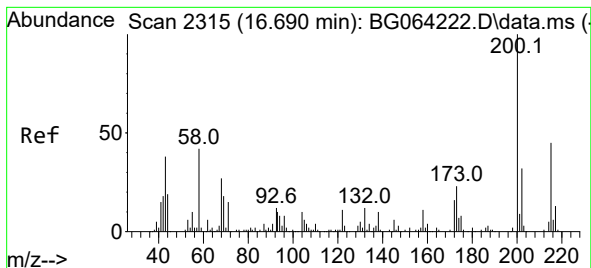
Tgt Ion:248 Resp: 27660
Ion Ratio Lower Upper
248 100
250 92.4 80.2 120.4
141 79.9 62.4 93.6



#68
Hexachlorobenzene
Concen: 10.278 ng
RT: 16.532 min Scan# 2288
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:284 Resp: 30698
Ion Ratio Lower Upper
284 100
142 31.6 32.1 48.1#
249 36.2 28.3 42.5





#69

Atrazine

Concen: 9.551 ng

RT: 16.685 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

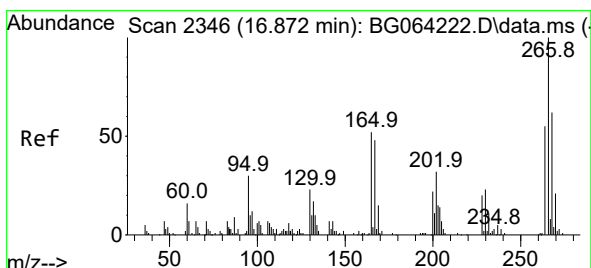
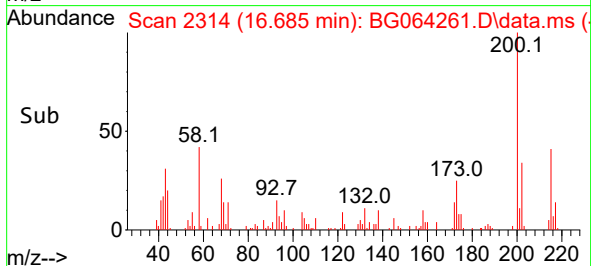
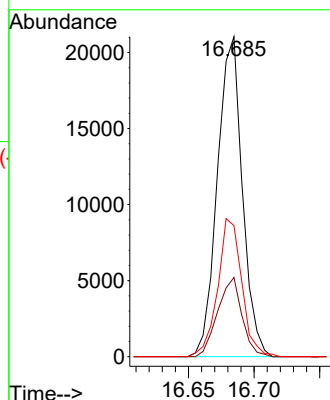
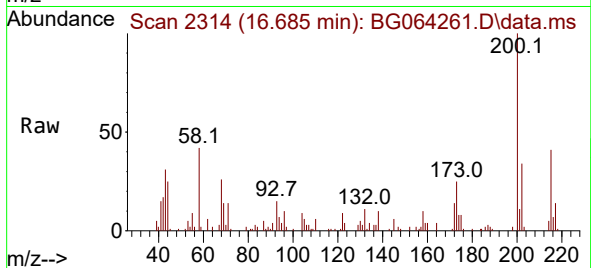
Tgt Ion:200 Resp: 27779

Ion Ratio Lower Upper

200 100

173 24.8 3.5 43.5

215 41.0 24.8 64.8



#70

Pentachlorophenol

Concen: 8.677 ng

RT: 16.873 min Scan# 2346

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

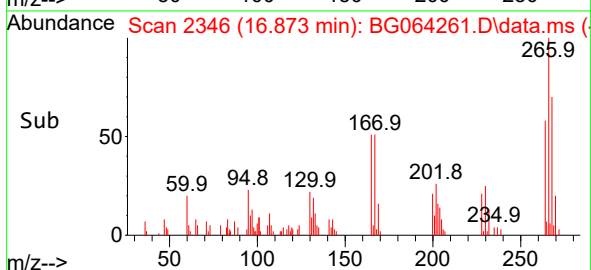
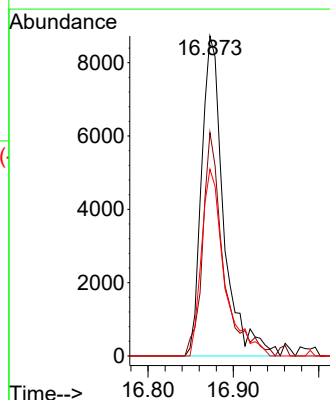
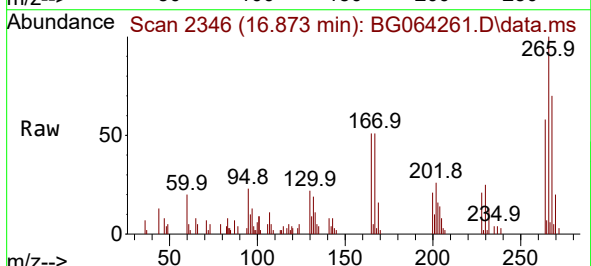
Tgt Ion:266 Resp: 15713

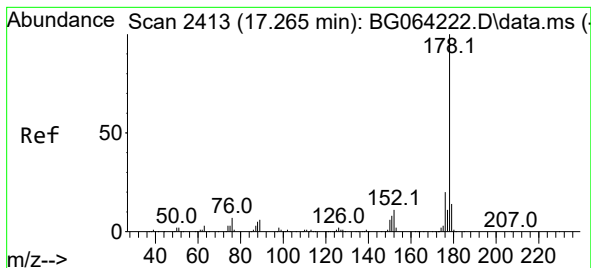
Ion Ratio Lower Upper

266 100

268 69.8 49.4 74.0

264 58.4 44.3 66.5





#71

Phenanthrene

Concen: 9.913 ng

RT: 17.260 min Scan# 2413

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

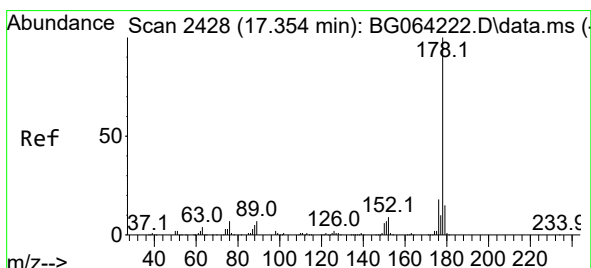
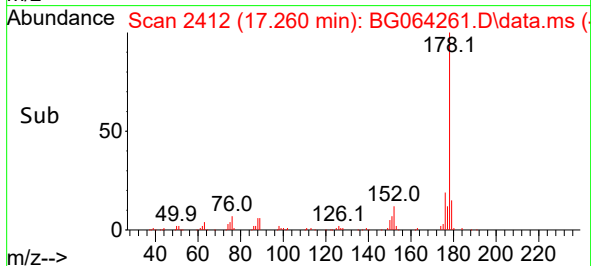
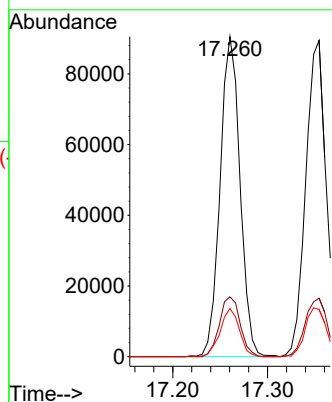
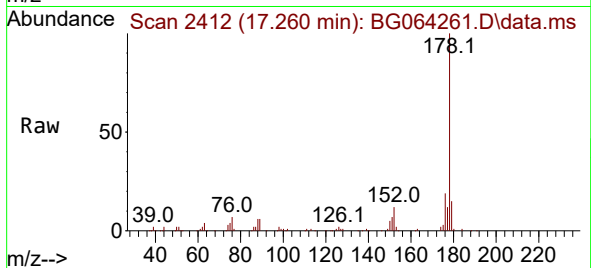
Tgt Ion:178 Resp: 132396

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 15.0 11.4 17.2



#72

Anthracene

Concen: 9.846 ng

RT: 17.354 min Scan# 2428

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

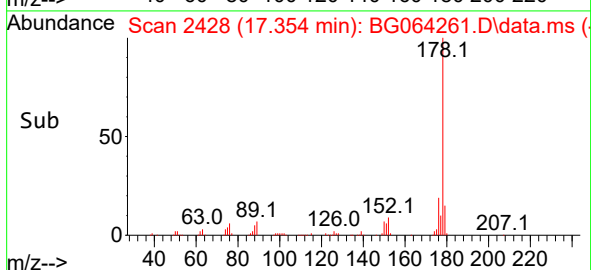
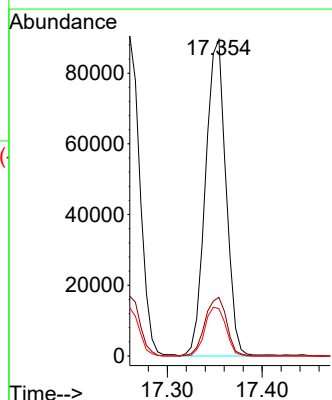
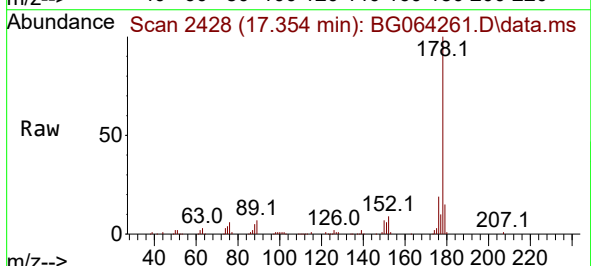
Tgt Ion:178 Resp: 133770

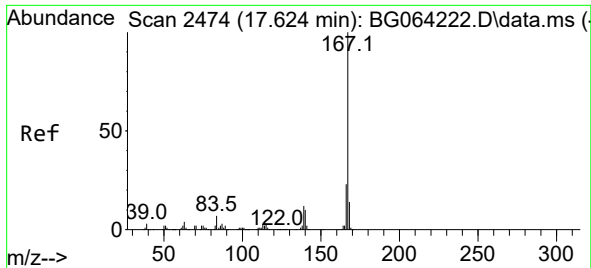
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.0 12.1 18.1

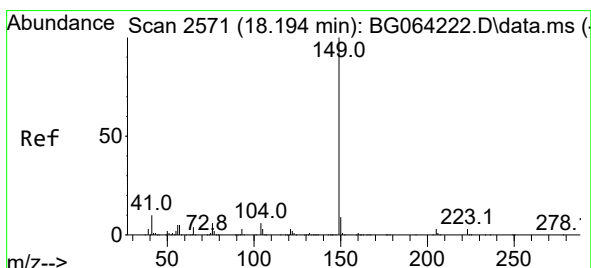
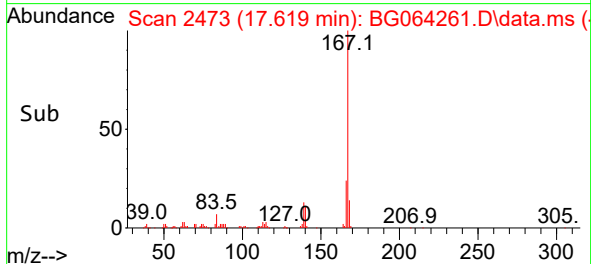
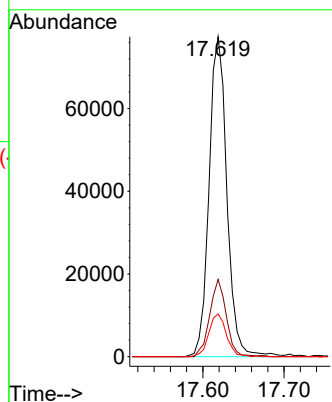
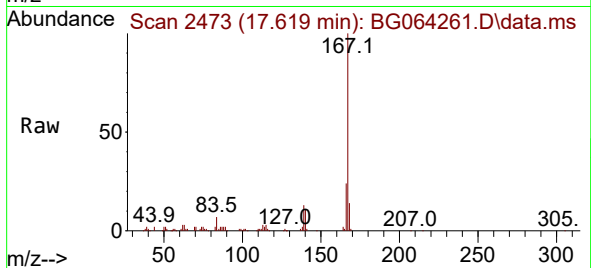




#73
Carbazole
Concen: 9.844 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

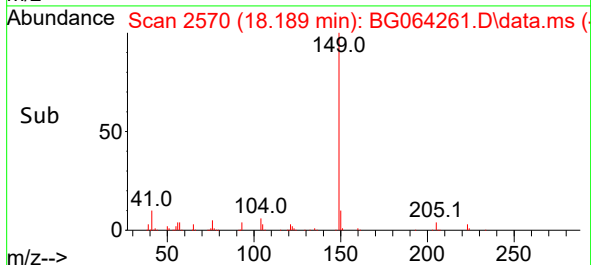
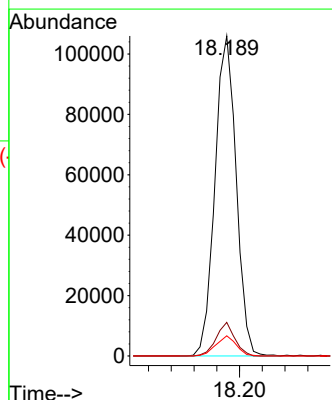
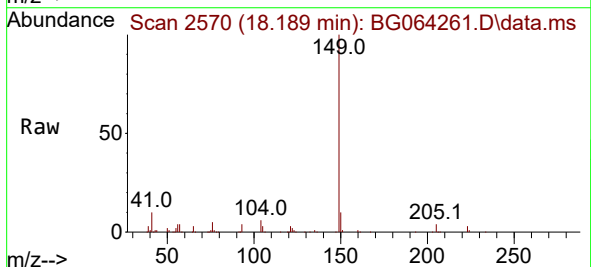
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

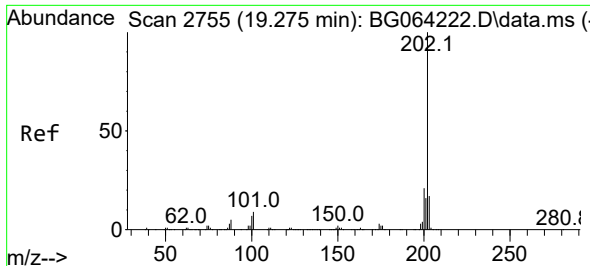
Tgt Ion:167 Resp: 117812
Ion Ratio Lower Upper
167 100
166 24.2 18.2 27.2
139 13.3 9.8 14.6



#74
Di-n-butylphthalate
Concen: 9.557 ng
RT: 18.189 min Scan# 2570
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:149 Resp: 137424
Ion Ratio Lower Upper
149 100
150 10.5 7.5 11.3
104 6.3 4.6 7.0

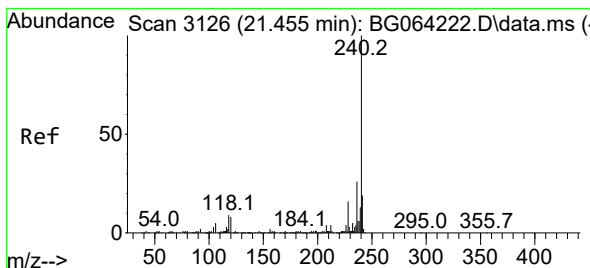
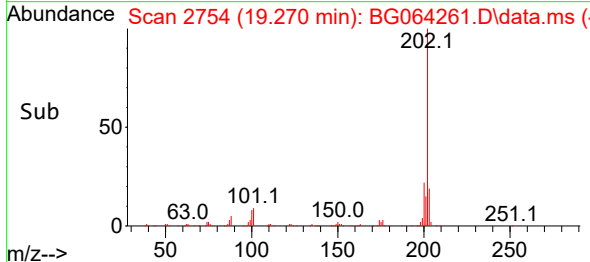
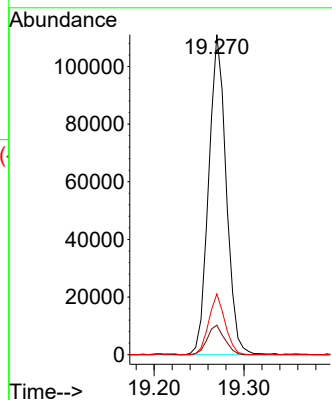
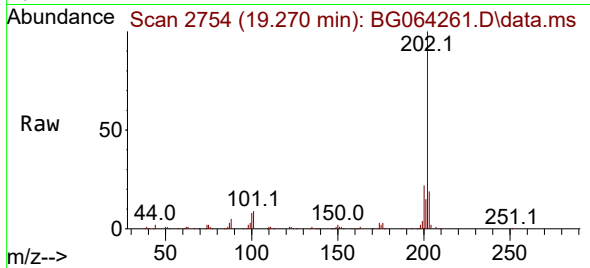




#75
Fluoranthene
Concen: 9.572 ng
RT: 19.270 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

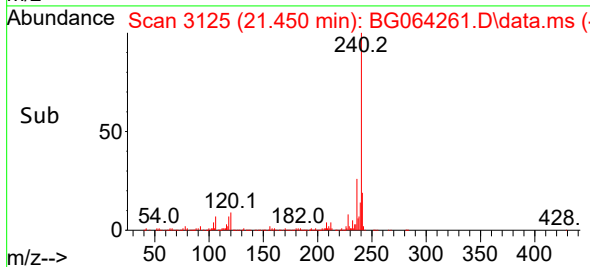
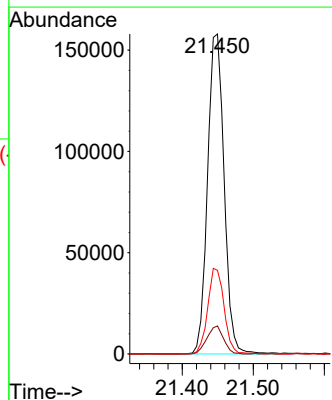
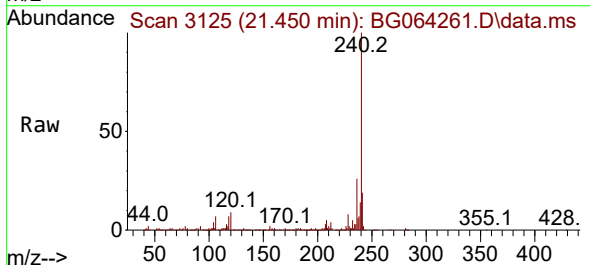
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

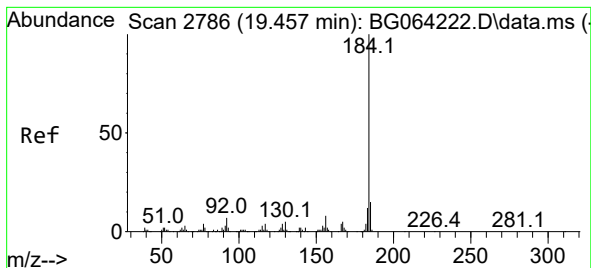
Tgt Ion:202 Resp: 150320
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.7
203 19.0 0.0 36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.005 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:240 Resp: 256187
Ion Ratio Lower Upper
240 100
120 8.8 6.2 9.4
236 26.1 20.5 30.7





#77

Benzidine

Concen: 13.623 ng

RT: 19.452 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

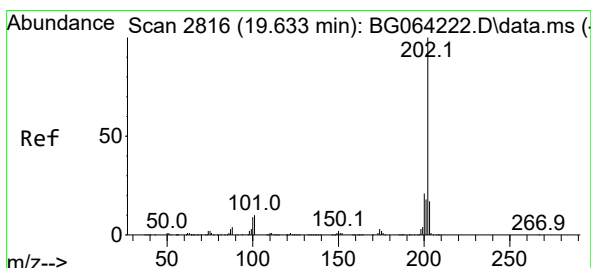
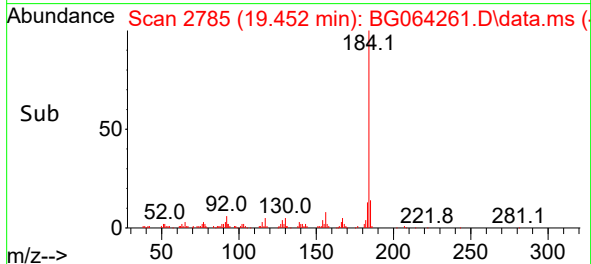
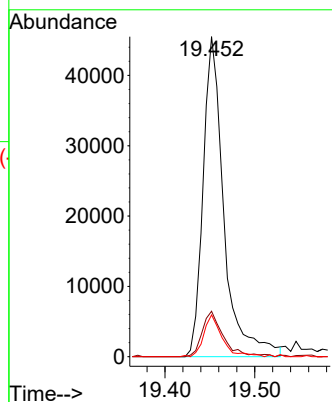
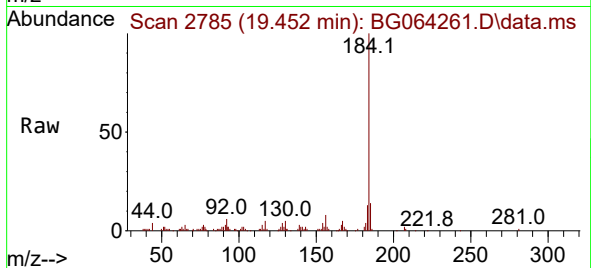
Tgt Ion:184 Resp: 73418

Ion Ratio Lower Upper

184 100

185 14.2 11.7 17.5

183 13.0 9.7 14.5



#78

Pyrene

Concen: 9.696 ng

RT: 19.634 min Scan# 2816

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

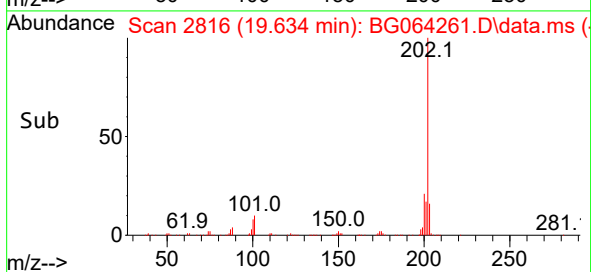
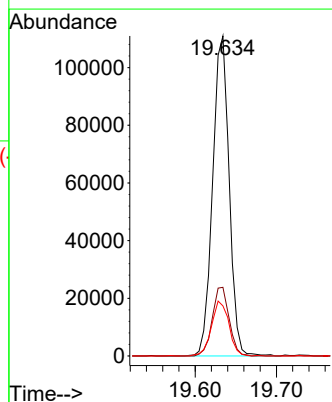
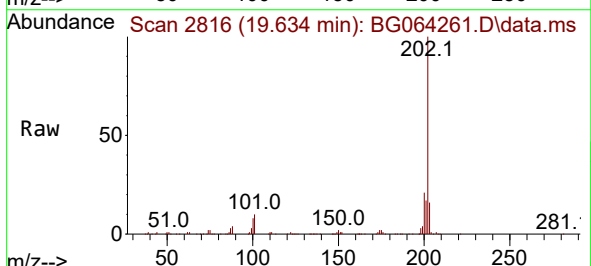
Tgt Ion:202 Resp: 156502

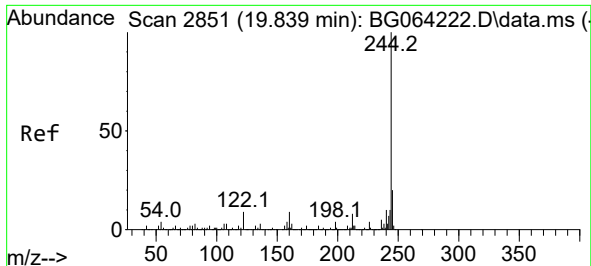
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 15.7 13.8 20.8

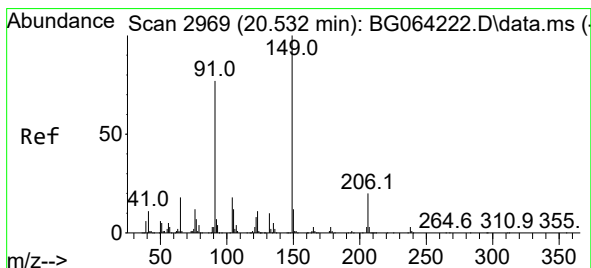
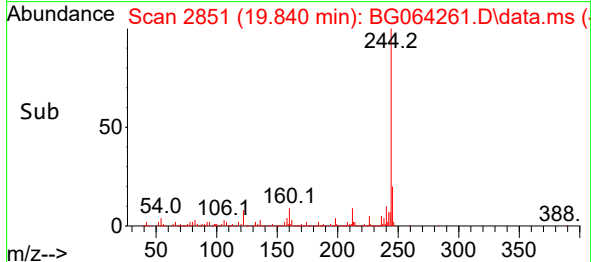
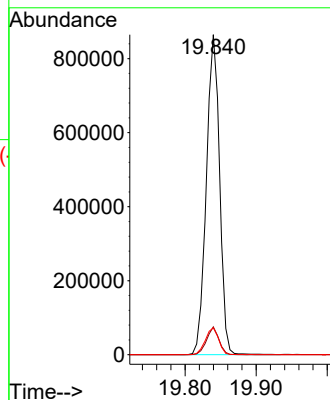
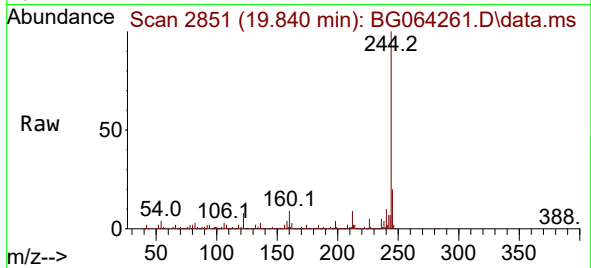




#79
 Terphenyl-d14
 Concen: 91.448 ng
 RT: 19.840 min Scan# 2851
 Delta R.T. -0.005 min
 Lab File: BG064261.D
 Acq: 3 Sep 2025 19:53

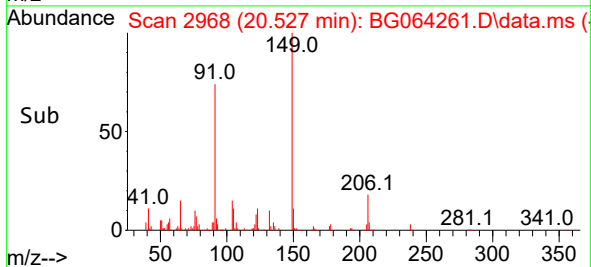
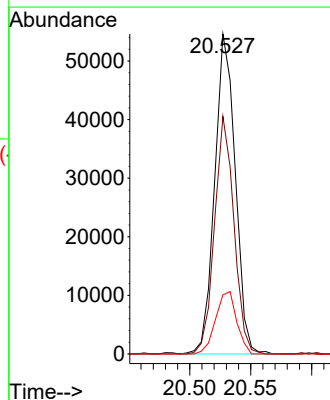
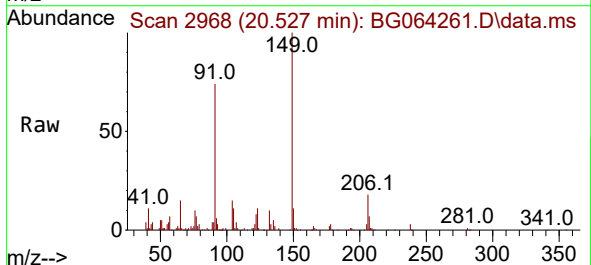
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

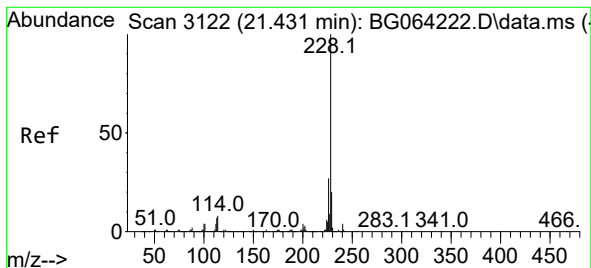
Tgt Ion:244 Resp: 1122913
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.6 10.0
 122 8.4 7.0 10.6



#80
 Butylbenzylphthalate
 Concen: 10.515 ng
 RT: 20.527 min Scan# 2968
 Delta R.T. -0.005 min
 Lab File: BG064261.D
 Acq: 3 Sep 2025 19:53

Tgt Ion:149 Resp: 64012
 Ion Ratio Lower Upper
 149 100
 91 74.3 61.4 92.0
 206 18.5 15.8 23.6





#81

Benzo(a)anthracene

Concen: 9.801 ng

RT: 21.426 min Scan# 3122

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

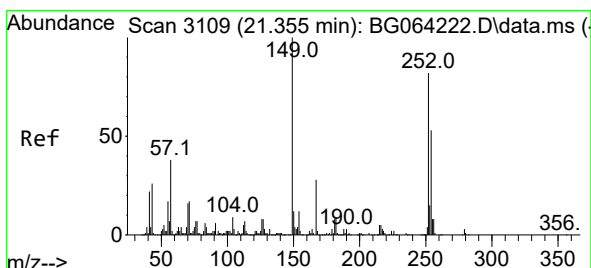
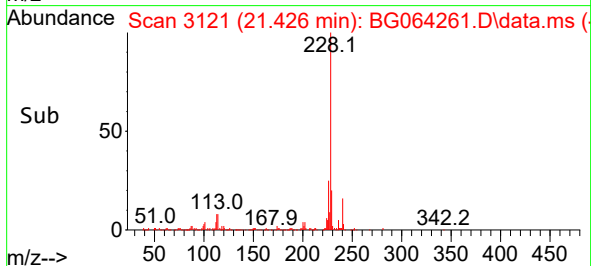
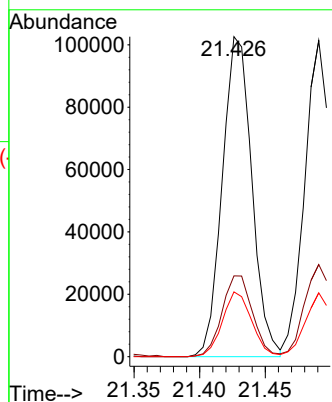
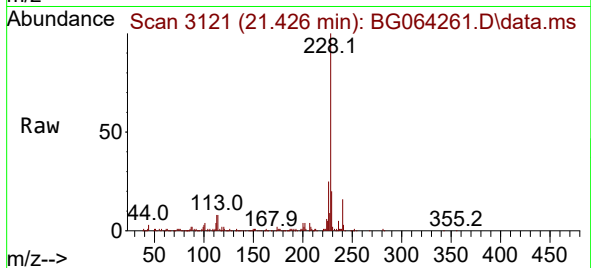
Tgt Ion:228 Resp: 160635

Ion Ratio Lower Upper

228 100

226 25.3 21.7 32.5

229 20.2 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 10.847 ng

RT: 21.350 min Scan# 3108

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

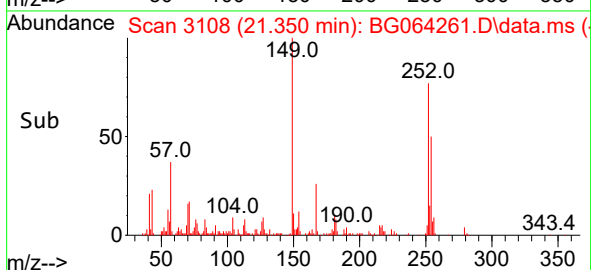
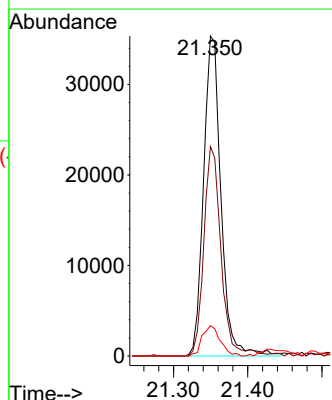
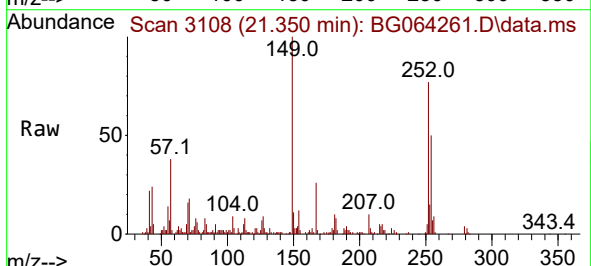
Tgt Ion:252 Resp: 57899

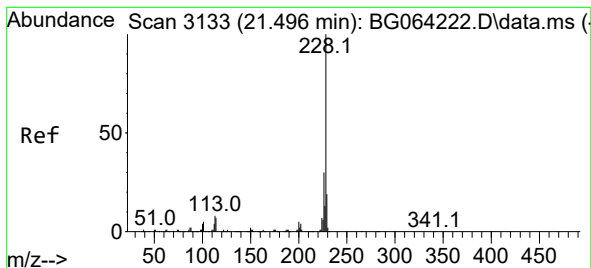
Ion Ratio Lower Upper

252 100

254 65.4 51.9 77.9

126 9.5 7.6 11.4





#83

Chrysene

Concen: 9.399 ng

RT: 21.491 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

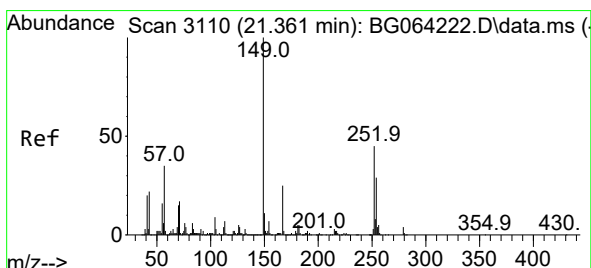
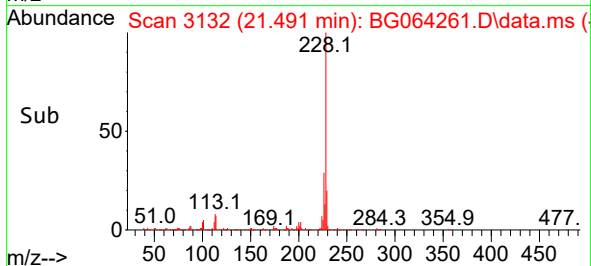
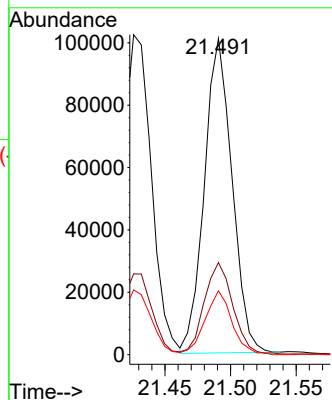
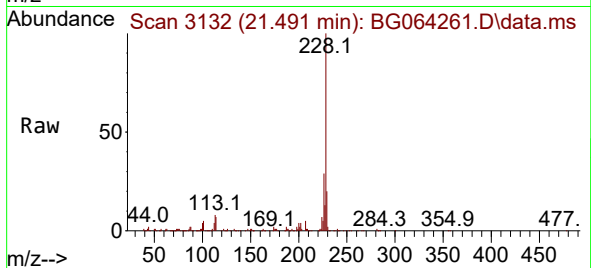
Tgt Ion:228 Resp: 147887

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.2

229 20.2 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.083 ng

RT: 21.356 min Scan# 3109

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

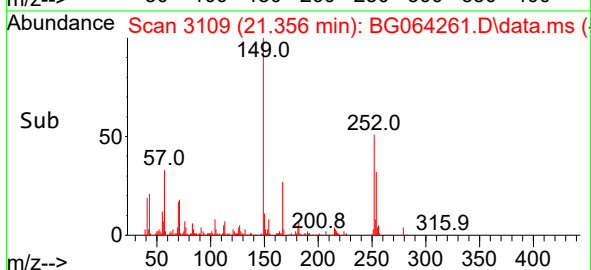
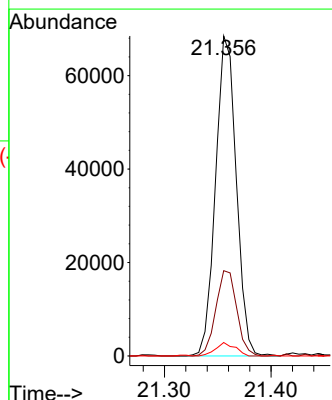
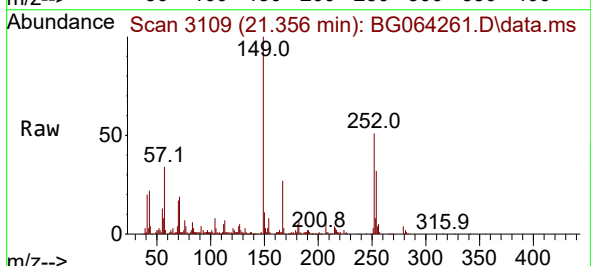
Tgt Ion:149 Resp: 92155

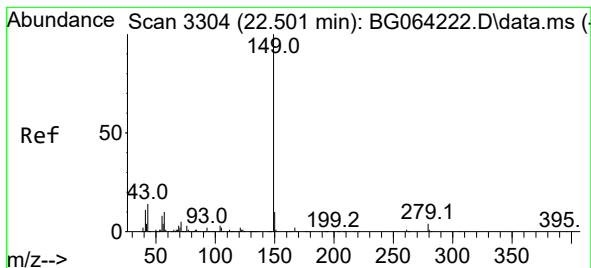
Ion Ratio Lower Upper

149 100

167 26.7 20.0 30.0

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 10.133 ng

RT: 22.495 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

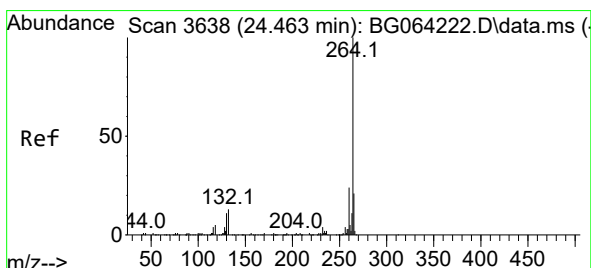
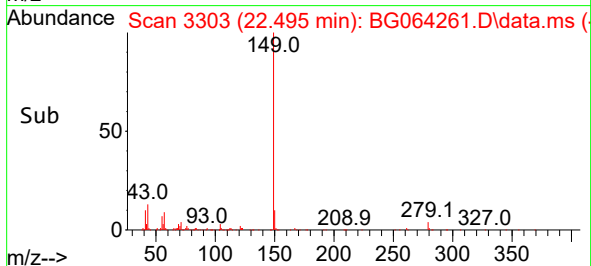
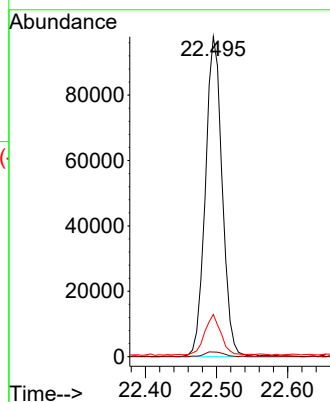
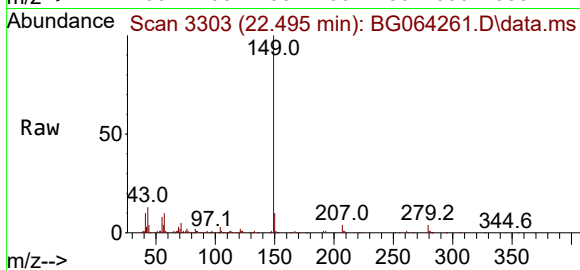
Tgt Ion:149 Resp: 161371

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 12.5 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.458 min Scan# 3637

Delta R.T. -0.005 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

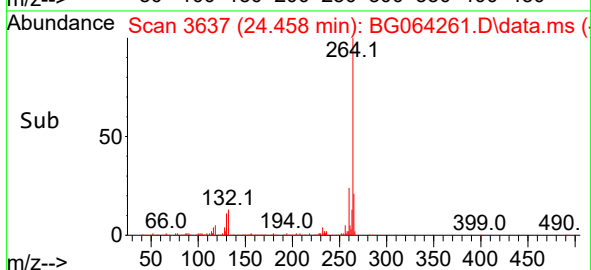
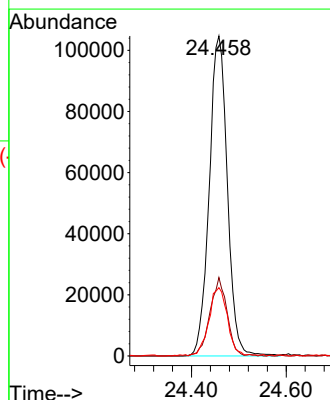
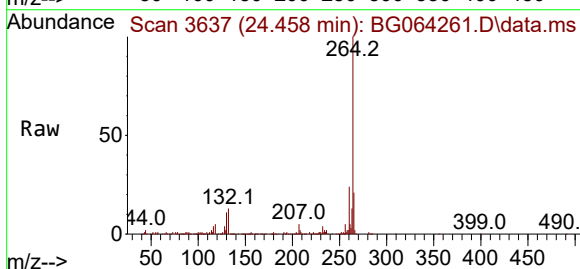
Tgt Ion:264 Resp: 277863

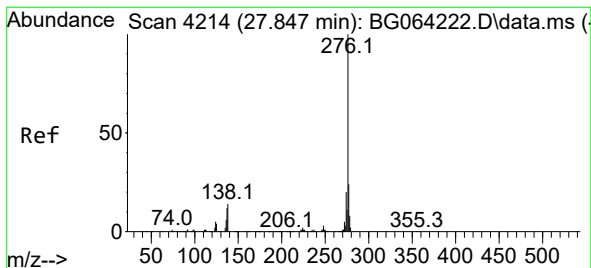
Ion Ratio Lower Upper

264 100

260 24.5 18.9 28.3

265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.522 ng

RT: 27.830 min Scan# 41

Delta R.T. -0.041 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

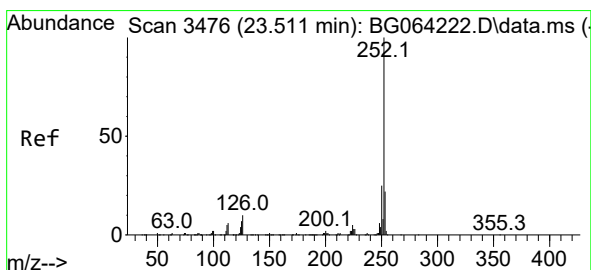
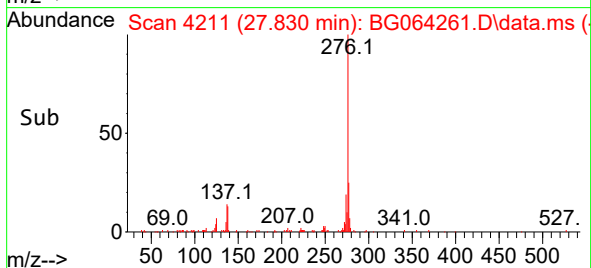
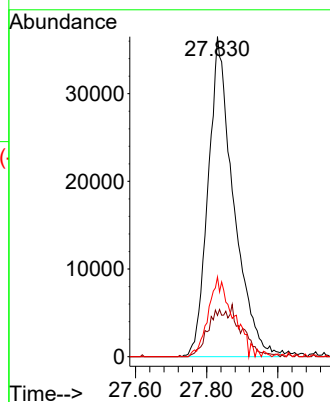
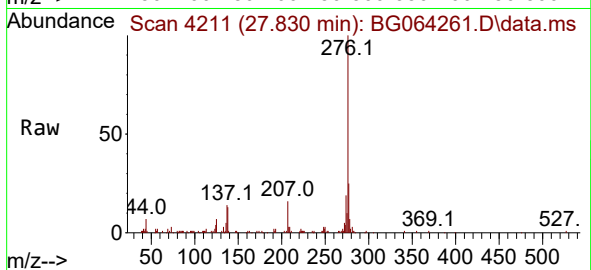
Tgt Ion:276 Resp: 180690

Ion Ratio Lower Upper

276 100

138 9.3 7.4 11.0

277 24.2 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 9.607 ng

RT: 23.506 min Scan# 3475

Delta R.T. -0.011 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

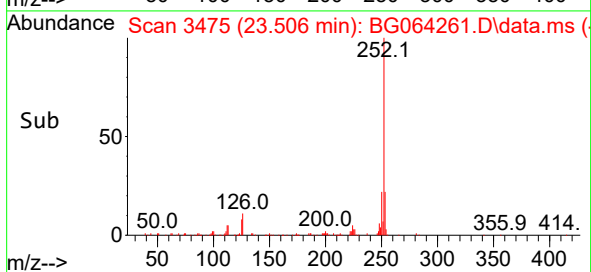
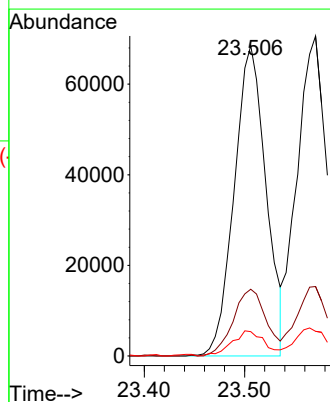
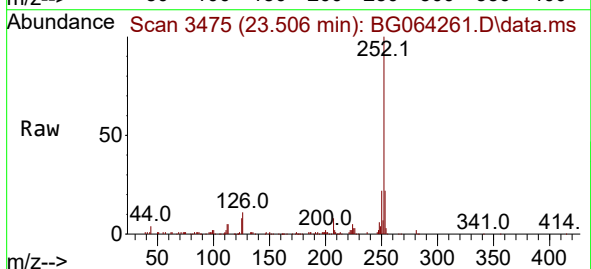
Tgt Ion:252 Resp: 150659

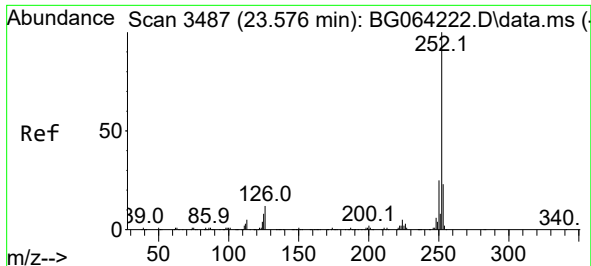
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 7.8 5.9 8.9

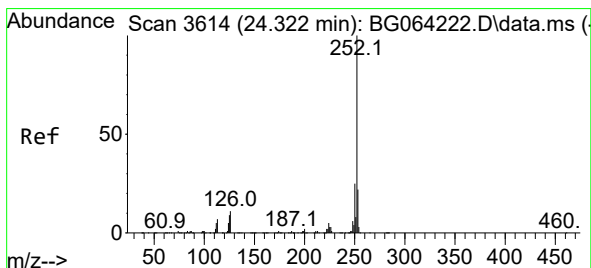
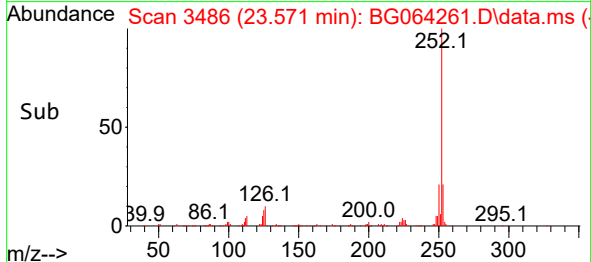
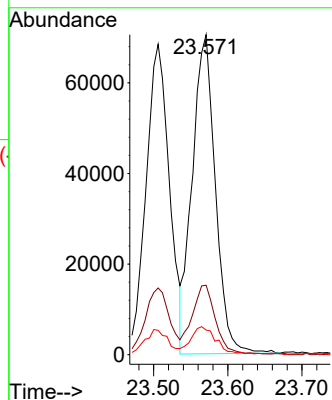
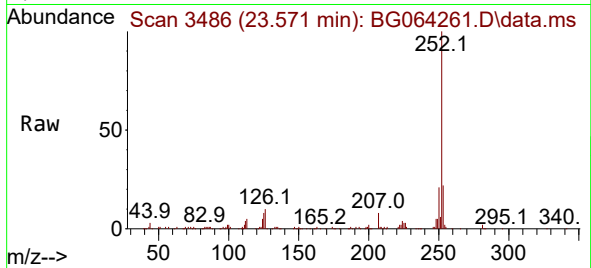




#89
Benzo(k)fluoranthene
Concen: 9.561 ng
RT: 23.571 min Scan# 3486
Delta R.T. -0.017 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

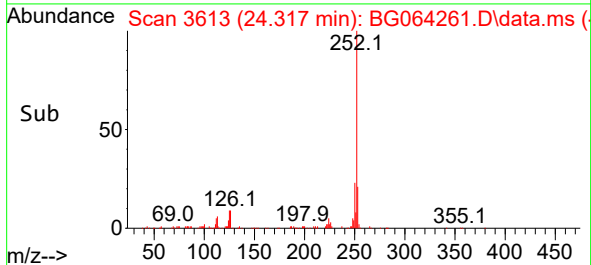
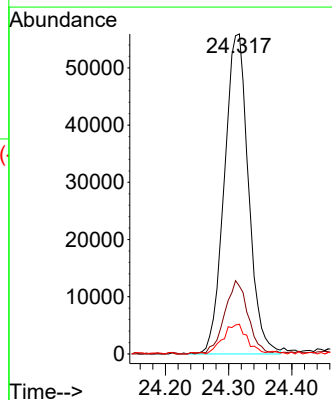
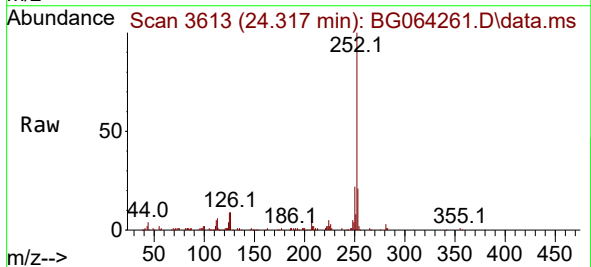
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2025

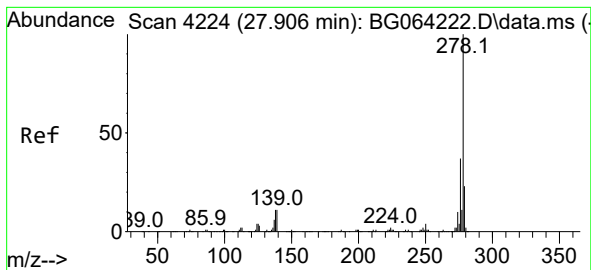
Tgt Ion:252 Resp: 152751
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.4
125 7.7 7.0 10.4



#90
Benzo(a)pyrene
Concen: 10.176 ng
RT: 24.317 min Scan# 3613
Delta R.T. -0.011 min
Lab File: BG064261.D
Acq: 3 Sep 2025 19:53

Tgt Ion:252 Resp: 148446
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 9.3 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 9.582 ng

RT: 27.889 min Scan# 41

Delta R.T. -0.035 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2025

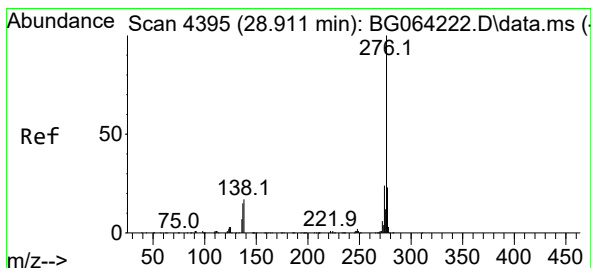
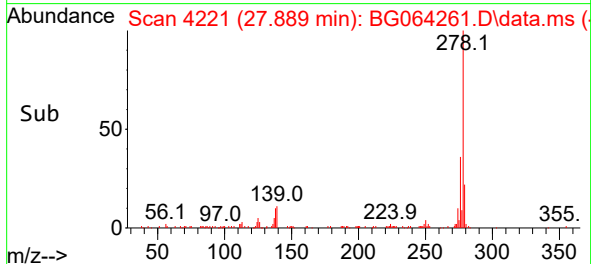
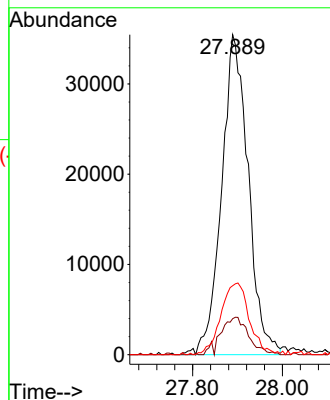
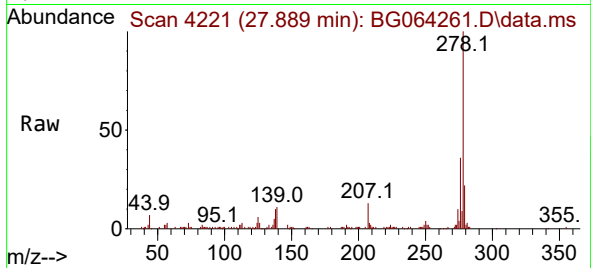
Tgt Ion:278 Resp: 145991

Ion Ratio Lower Upper

278 100

139 11.3 9.0 13.4

279 21.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 9.763 ng

RT: 28.882 min Scan# 4390

Delta R.T. -0.052 min

Lab File: BG064261.D

Acq: 3 Sep 2025 19:53

Tgt Ion:276 Resp: 144735

Ion Ratio Lower Upper

276 100

277 21.0 18.2 27.4

138 13.9 13.3 19.9

