

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064258.D
 Acq On : 3 Sep 2025 17:49
 Operator : RC/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 03 18:30:58 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	7.858	152	33087	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	159134	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	115058	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	228655	20.000	ng	0.00
76) Chrysene-d12	21.448	240	220078	20.000	ng	# 0.00
86) Perylene-d12	24.456	264	235637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	266203	144.345	ng	0.00
7) Phenol-d6	7.024	99	388119	153.186	ng	0.00
23) Nitrobenzene-d5	9.009	82	287062	100.604	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	201057	131.928	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	731608	97.055	ng	0.00
79) Terphenyl-d14	19.838	244	1086309	102.983	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.363	88	4525	5.887	ng	# 76
3) Pyridine	3.757	79	9741	4.305	ng	# 55
4) n-Nitrosodimethylamine	3.675	42	6718	4.489	ng	# 91
6) Aniline	7.182	93	16290	4.649	ng	96
8) 2-Chlorophenol	7.423	128	10843	4.811	ng	88
9) Benzaldehyde	6.994	77	10783	5.172	ng	94
10) Phenol	7.053	94	12910	4.622	ng	90
11) bis(2-Chloroethyl)ether	7.282	93	9614	4.580	ng	96
12) 1,3-Dichlorobenzene	7.746	146	11738	4.896	ng	95
13) 1,4-Dichlorobenzene	7.746	146	11738	4.851	ng	98
14) 1,2-Dichlorobenzene	8.205	146	11006	4.713	ng	90
15) Benzyl Alcohol	8.087	79	10581	4.525	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.387	45	20329	4.242	ng	94
17) 2-Methylphenol	8.299	107	8683	4.171	ng	95
18) Hexachloroethane	8.927	117	4442	4.703	ng	90
19) n-Nitroso-di-n-propyla...	8.657	70	9909	5.110	ng	# 85
20) 3+4-Methylphenols	8.616	107	12982	4.488	ng	95
22) Acetophenone	8.669	105	19254	4.782	ng	95
24) Nitrobenzene	9.051	77	14116	4.735	ng	96
25) Isophorone	9.568	82	26956	4.546	ng	98
26) 2-Nitrophenol	9.756	139	5244	4.071	ng	# 81
27) 2,4-Dimethylphenol	9.814	122	10949	4.841	ng	96
28) bis(2-Chloroethoxy)met...	10.055	93	14468	4.525	ng	98
29) 2,4-Dichlorophenol	10.290	162	10416	4.365	ng	90
30) 1,2,4-Trichlorobenzene	10.502	180	11714	4.656	ng	# 91
31) Naphthalene	10.690	128	35056	4.248	ng	# 95
33) 4-Chloroaniline	10.796	127	15077	4.714	ng	# 89
34) Hexachlorobutadiene	10.984	225	7833	4.212	ng	95
35) Caprolactam	11.542	113	3656	3.957	ng	# 80
36) 4-Chloro-3-methylphenol	11.924	107	12393	4.003	ng	92
37) 2-Methylnaphthalene	12.300	142	24534	4.000	ng	93
38) 1-Methylnaphthalene	12.523	142	24918	4.113	ng	94
40) 1,2,4,5-Tetrachloroben...	12.670	216	14811	4.461	ng	97
41) Hexachlorocyclopentadiene	12.652	237	5728	3.630	ng	86
43) 2,4,6-Trichlorophenol	12.911	196	9182	4.138	ng	99
44) 2,4,5-Trichlorophenol	12.987	196	9331	3.877	ng	88

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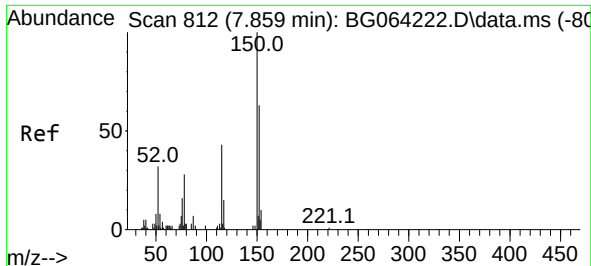
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 BNA_G
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.316	154	37339	4.456	ng	97
47) 2-Chloronaphthalene	13.351	162	27467	4.360	ng	98
48) 2-Nitroaniline	13.551	65	8135	3.788	ng	88
49) Acenaphthylene	14.198	152	45972	4.936	ng	# 93
50) Dimethylphthalate	13.933	163	35848	4.116	ng	96
51) 2,6-Dinitrotoluene	14.051	165	7045	4.179	ng	92
52) Acenaphthene	14.544	154	27287	4.152	ng	98
53) 3-Nitroaniline	14.374	138	6258	3.543	ng	# 96
54) 2,4-Dinitrophenol	14.597	184	1471	6.892	ng	# 52
55) Dibenzofuran	14.879	168	45049	4.358	ng	94
56) 4-Nitrophenol	14.691	139	3392	2.341	ng	# 63
57) 2,4-Dinitrotoluene	14.838	165	9399	3.687	ng	# 91
58) Fluorene	15.525	166	36993	4.366	ng	92
59) 2,3,4,6-Tetrachlorophenol	15.102	232	9613	4.152	ng	# 95
60) Diethylphthalate	15.302	149	34703	3.723	ng	98
61) 4-Chlorophenyl-phenyle...	15.519	204	19084	4.517	ng	97
62) 4-Nitroaniline	15.537	138	5491	3.047	ng	# 78
63) Azobenzene	15.813	77	35798	4.309	ng	95
65) 4,6-Dinitro-2-methylph...	15.602	198	4600	3.504	ng	93
66) n-Nitrosodiphenylamine	15.731	169	30535	4.854	ng	96
67) 4-Bromophenyl-phenylether	16.413	248	11960	4.925	ng	93
68) Hexachlorobenzene	16.530	284	14011	5.195	ng	93
69) Atrazine	16.683	200	9997	3.806	ng	84
70) Pentachlorophenol	16.877	266	4898	2.995	ng	# 76
71) Phenanthrene	17.259	178	55660	4.615	ng	97
72) Anthracene	17.353	178	55189	4.499	ng	95
73) Carbazole	17.623	167	44969	4.161	ng	96
74) Di-n-butylphthalate	18.187	149	55220	4.253	ng	99
75) Fluoranthene	19.268	202	56296	3.970	ng	97
77) Benzidine	19.456	184	21488	4.641	ng	# 96
78) Pyrene	19.632	202	58673	4.232	ng	99
80) Butylbenzylphthalate	20.531	149	25393	4.856	ng	96
81) Benzo(a)anthracene	21.430	228	62352	4.429	ng	97
82) 3,3'-Dichlorobenzidine	21.354	252	20973	4.574	ng	95
83) Chrysene	21.489	228	58751	4.346	ng	95
84) Bis(2-ethylhexyl)phtha...	21.360	149	38129	4.856	ng	99
85) Di-n-octyl phthalate	22.500	149	63938	4.674	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.840	276	72072	4.479	ng	# 79
88) Benzo(b)fluoranthene	23.504	252	61426	4.619	ng	94
89) Benzo(k)fluoranthene	23.569	252	56472	4.168	ng	95
90) Benzo(a)pyrene	24.315	252	58255	4.709	ng	# 95
91) Dibenzo(a,h)anthracene	27.899	278	57185	4.426	ng	97
92) Benzo(g,h,i)perylene	28.874	276	57176	4.548	ng	98

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

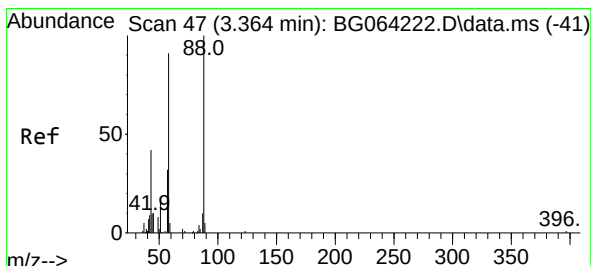
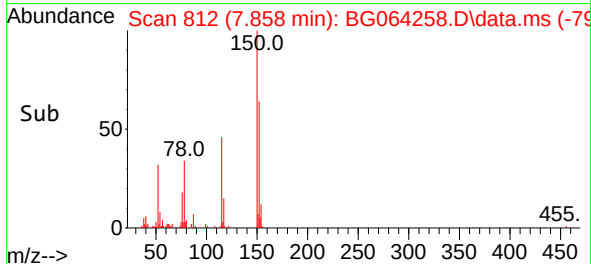
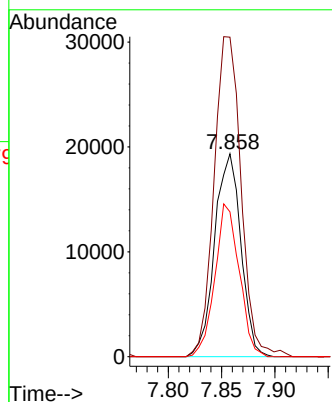
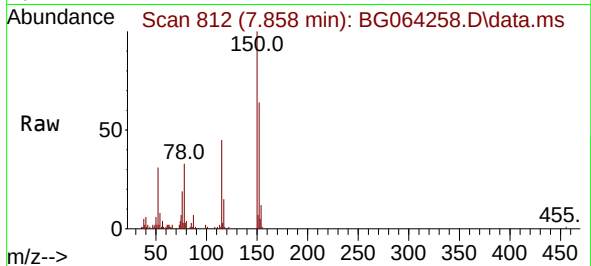
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.858 min Scan# 812
 Delta R.T. -0.001 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

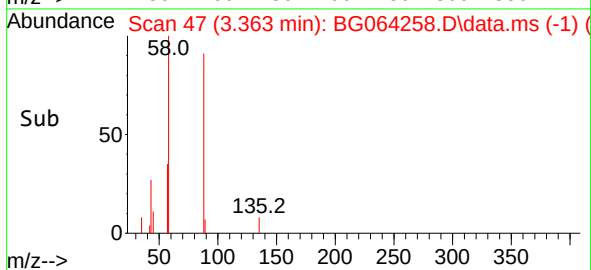
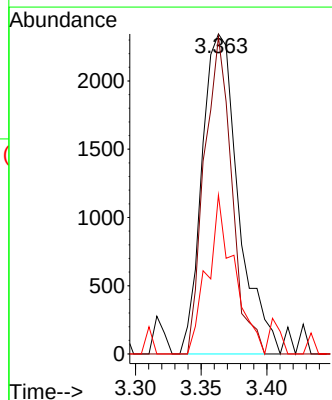
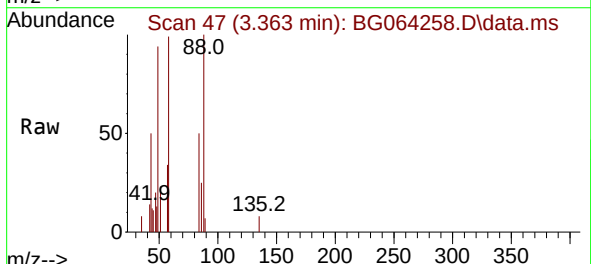
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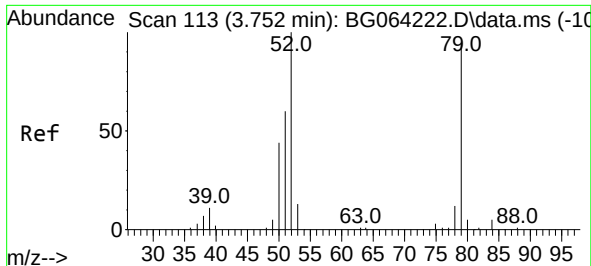
Tgt Ion:152 Resp: 33087
 Ion Ratio Lower Upper
 152 100
 150 157.4 128.0 192.0
 115 71.3 55.7 83.5



#2
 1,4-Dioxane
 Concen: 5.887 ng
 RT: 3.363 min Scan# 47
 Delta R.T. 0.005 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

Tgt Ion: 88 Resp: 4525
 Ion Ratio Lower Upper
 88 100
 58 74.8 80.8 121.2#
 43 36.6 40.3 60.5#

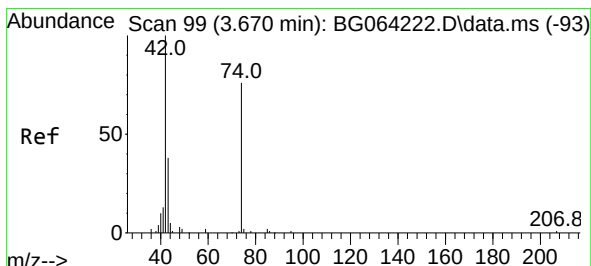
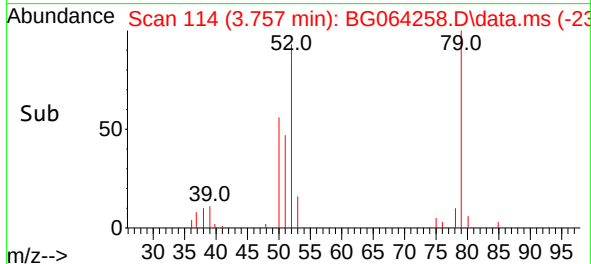
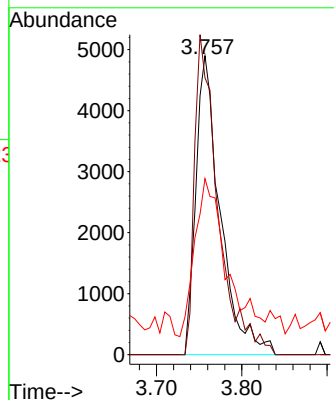
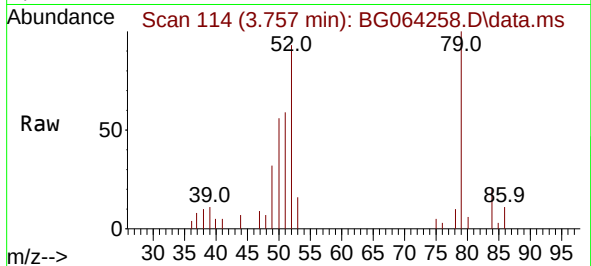




#3
Pyridine
Concen: 4.305 ng
RT: 3.757 min Scan# 113
Delta R.T. 0.005 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

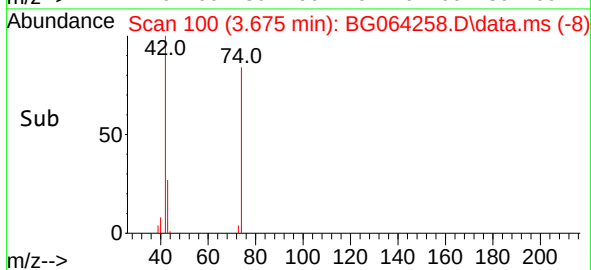
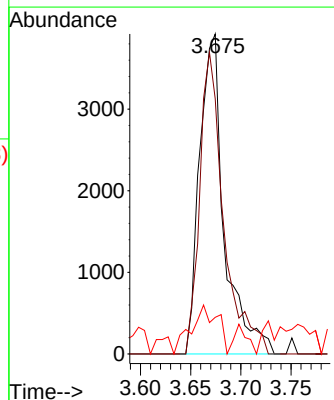
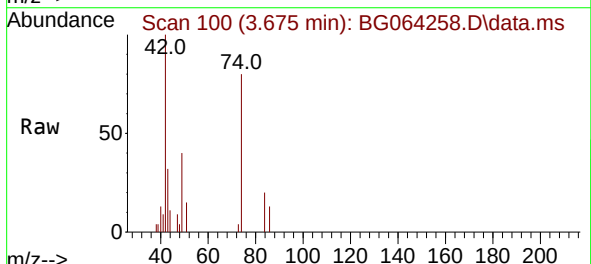
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

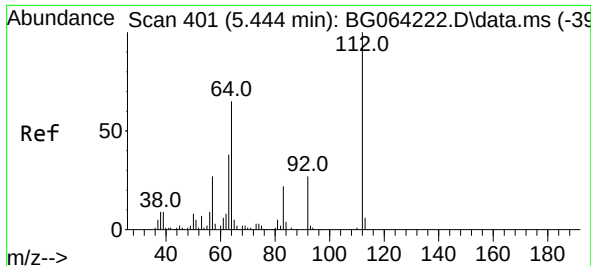
Tgt Ion: 79 Resp: 9741
Ion Ratio Lower Upper
79 100
52 92.6 86.6 129.8
51 58.9 114.1 171.1#



#4
n-Nitrosodimethylamine
Concen: 4.489 ng
RT: 3.675 min Scan# 100
Delta R.T. 0.010 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion: 42 Resp: 6718
Ion Ratio Lower Upper
42 100
74 79.7 58.0 87.0
44 11.4 5.5 8.3#

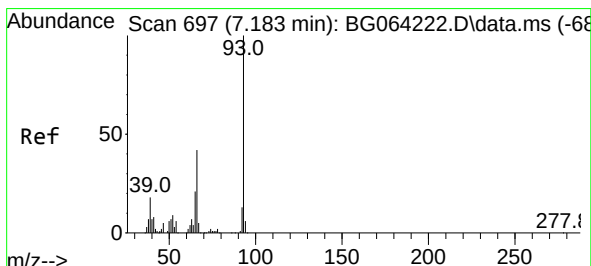
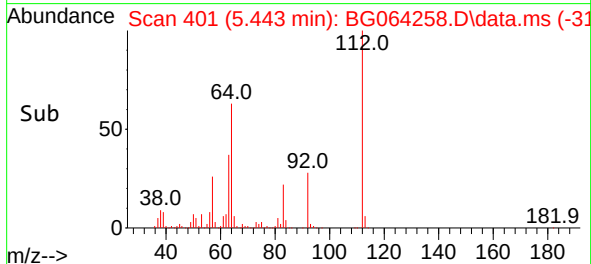
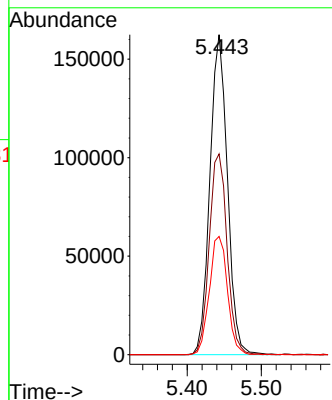
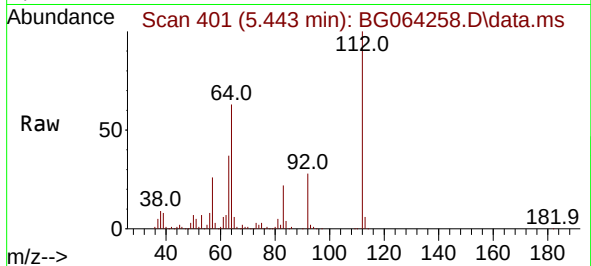




#5
2-Fluorophenol
Concen: 144.345 ng
RT: 5.443 min Scan# 401
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

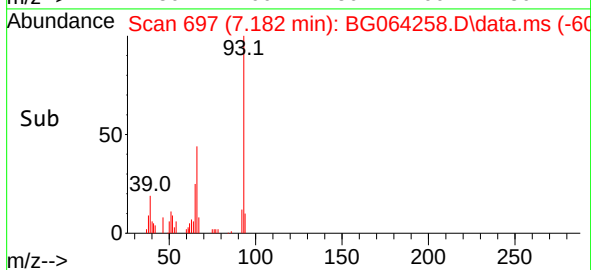
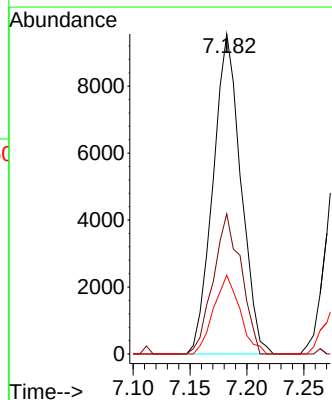
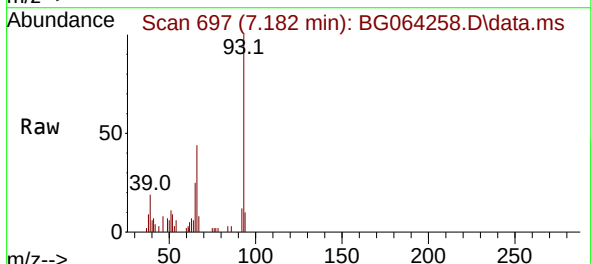
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

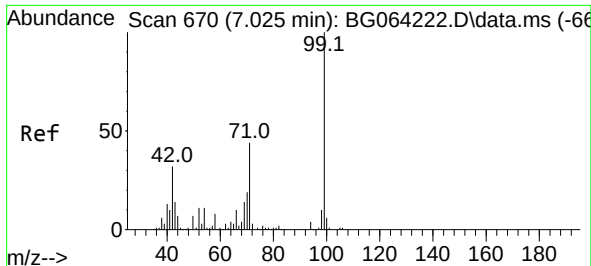
Tgt Ion:112 Resp: 266203
Ion Ratio Lower Upper
112 100
64 62.8 51.8 77.6
63 37.0 30.6 45.8



#6
Aniline
Concen: 4.649 ng
RT: 7.182 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion: 93 Resp: 16290
Ion Ratio Lower Upper
93 100
66 43.8 33.8 50.8
65 24.6 16.9 25.3

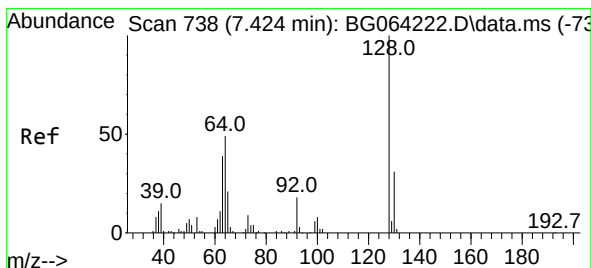
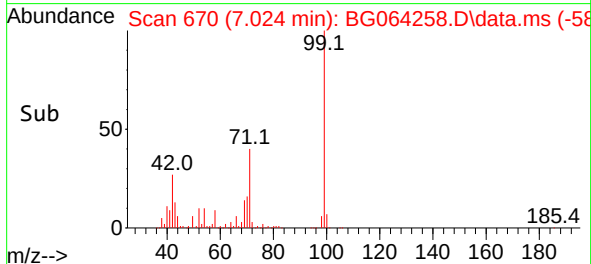
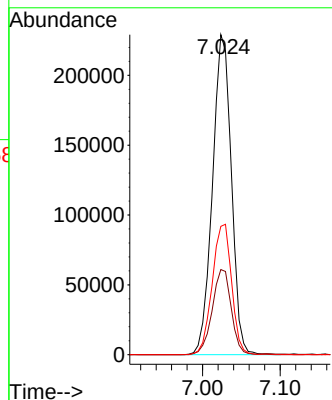
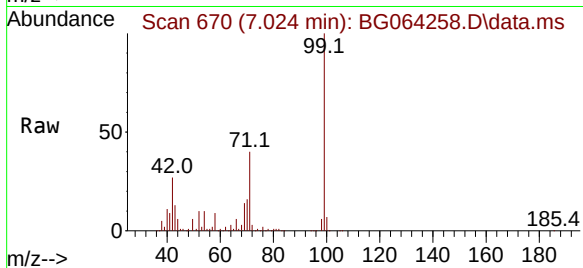




#7
Phenol-d6
Concen: 153.186 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

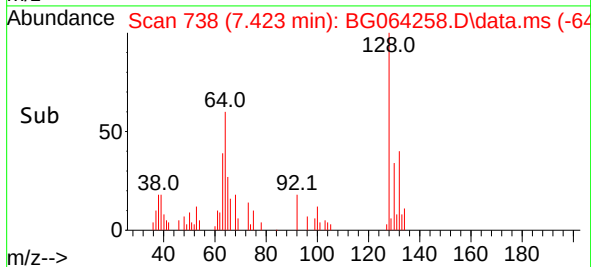
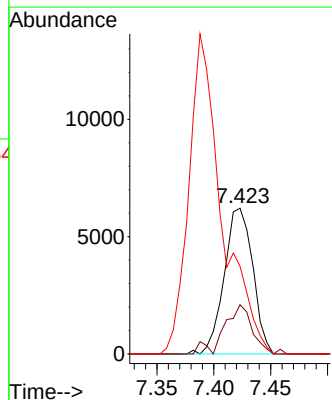
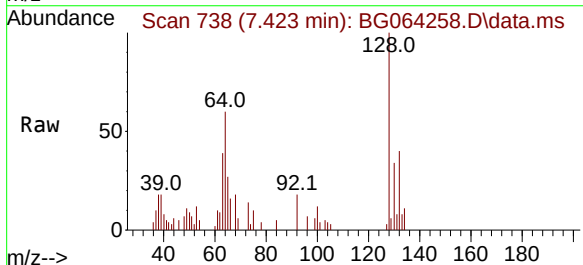
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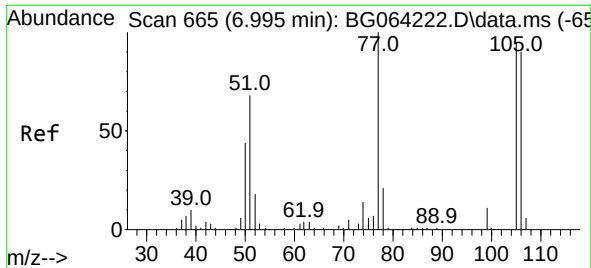
Tgt Ion: 99 Resp: 388119
Ion Ratio Lower Upper
99 100
42 26.6 25.8 38.8
71 40.1 35.2 52.8



#8
2-Chlorophenol
Concen: 4.811 ng
RT: 7.423 min Scan# 738
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:128 Resp: 10843
Ion Ratio Lower Upper
128 100
130 33.9 10.9 50.9
64 60.2 28.7 68.7

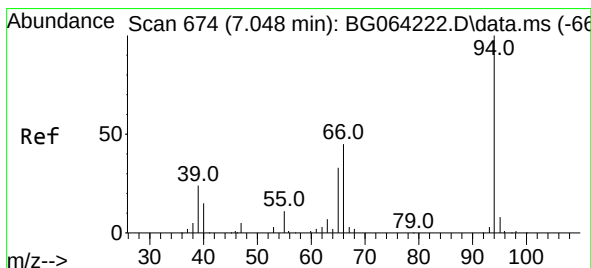
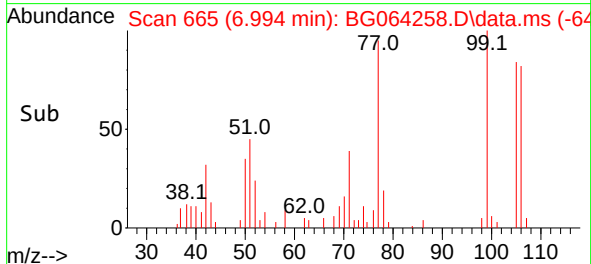
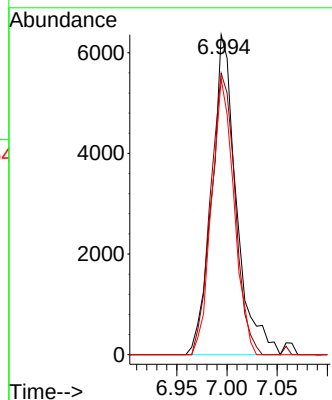
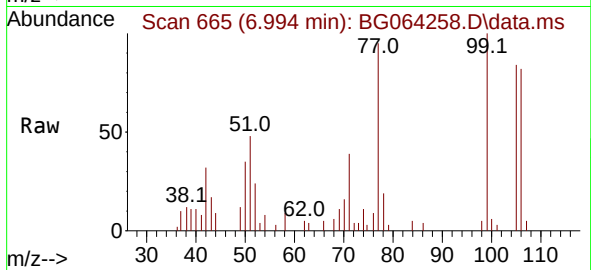




#9
Benzaldehyde
Concen: 5.172 ng
RT: 6.994 min Scan# 610
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

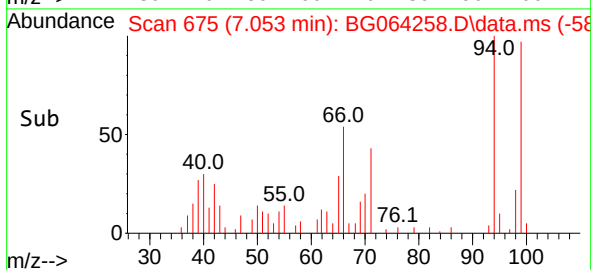
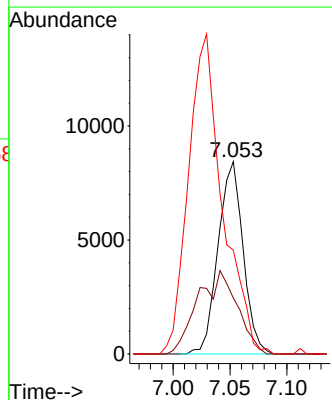
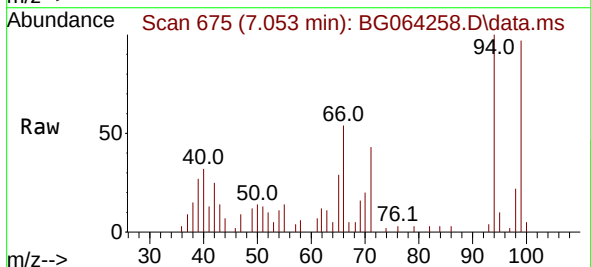
Instrument :
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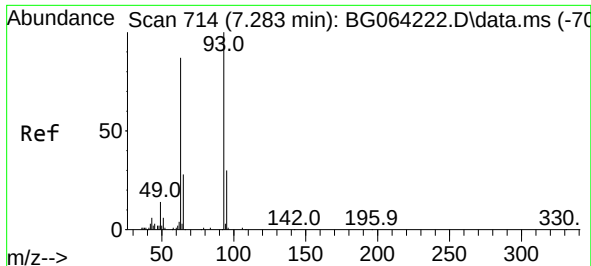
Tgt Ion: 77 Resp: 10783
Ion Ratio Lower Upper
77 100
105 88.0 75.2 115.2
106 86.2 69.6 109.6



#10
Phenol
Concen: 4.622 ng
RT: 7.053 min Scan# 675
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion: 94 Resp: 12910
Ion Ratio Lower Upper
94 100
65 29.1 13.5 53.5
66 54.0 26.2 66.2





#11

bis(2-Chloroethyl)ether

Concen: 4.580 ng

RT: 7.282 min Scan# 714

Delta R.T. -0.001 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

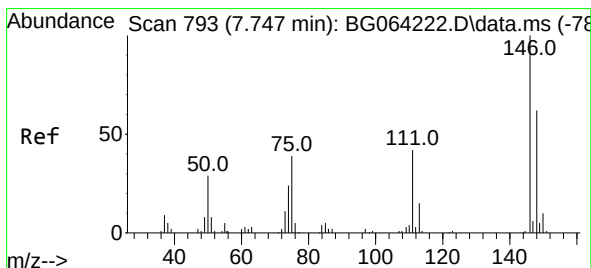
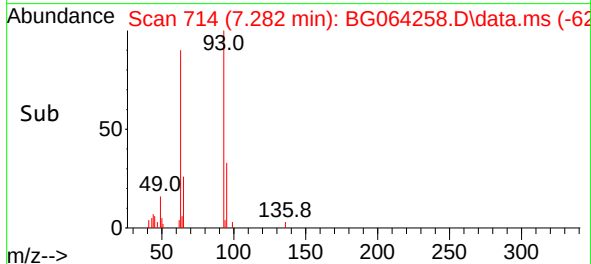
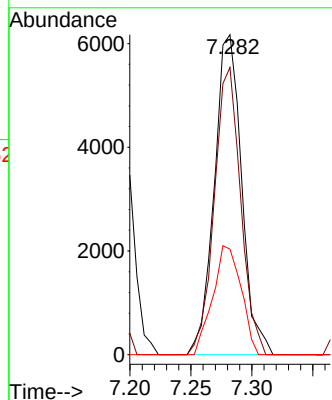
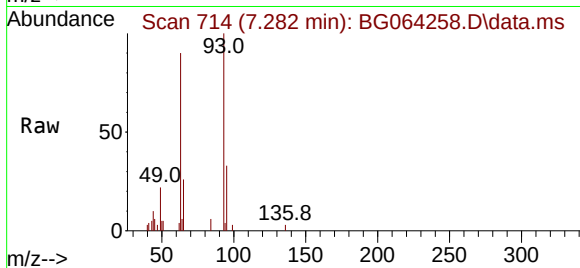
Tgt Ion: 93 Resp: 9614

Ion Ratio Lower Upper

93 100

63 89.8 66.2 106.2

95 33.0 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 4.896 ng

RT: 7.746 min Scan# 793

Delta R.T. -0.001 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

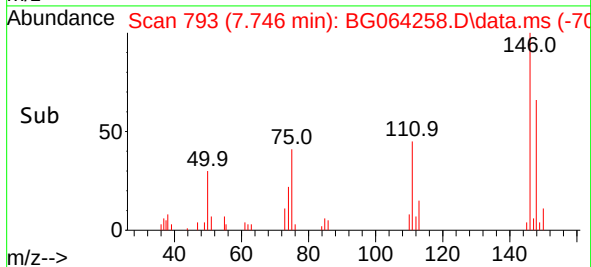
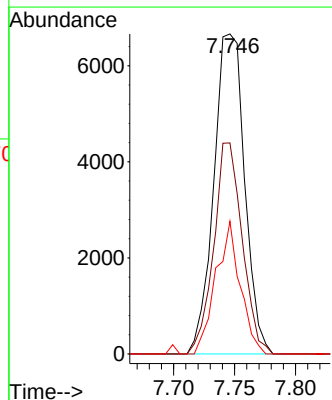
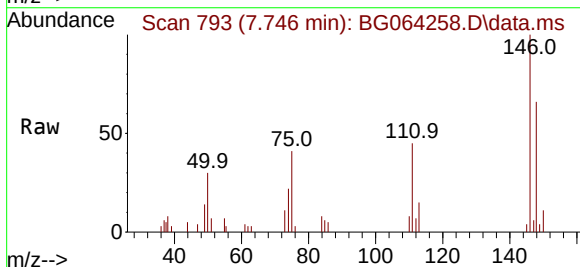
Tgt Ion:146 Resp: 11738

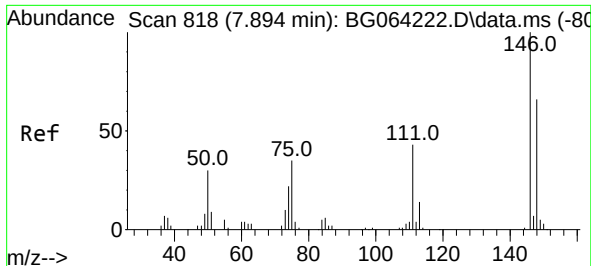
Ion Ratio Lower Upper

146 100

148 65.9 49.6 74.4

75 41.4 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 4.851 ng

RT: 7.746 min Scan# 793

Delta R.T. -0.148 min

Lab File: BG064258.D

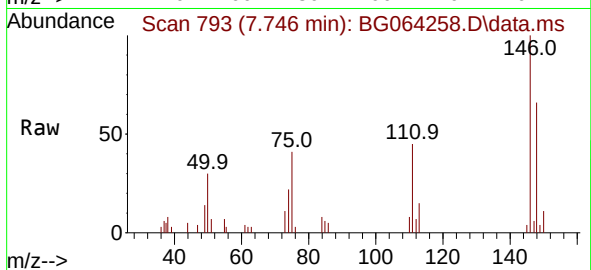
Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



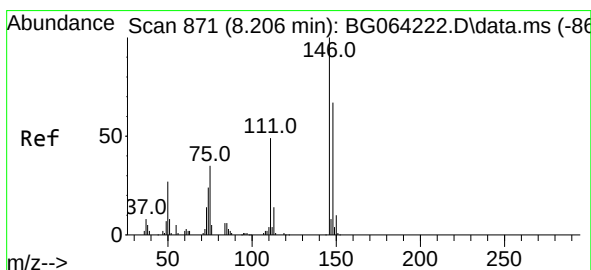
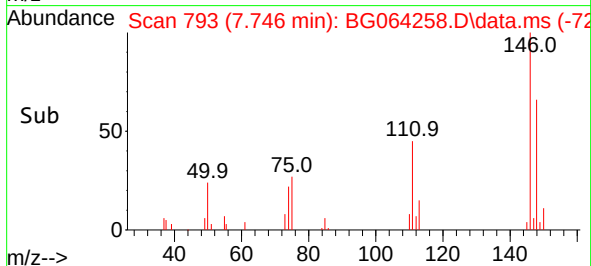
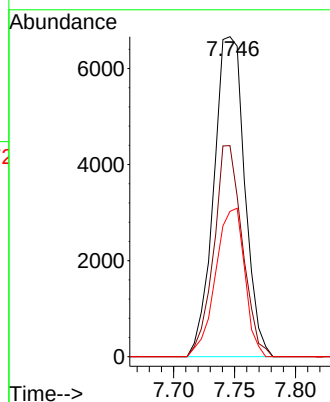
Tgt Ion:146 Resp: 11738

Ion Ratio Lower Upper

146 100

148 65.9 52.8 79.2

111 45.4 34.1 51.1



#14

1,2-Dichlorobenzene

Concen: 4.713 ng

RT: 8.205 min Scan# 871

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

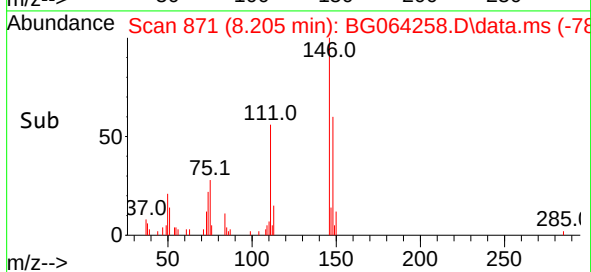
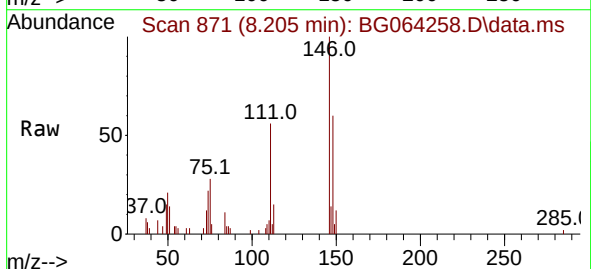
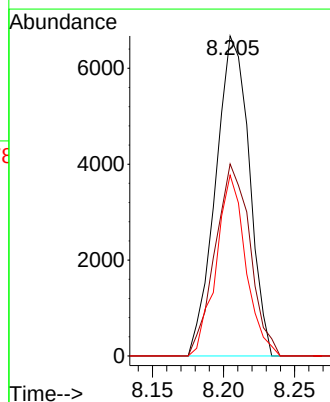
Tgt Ion:146 Resp: 11006

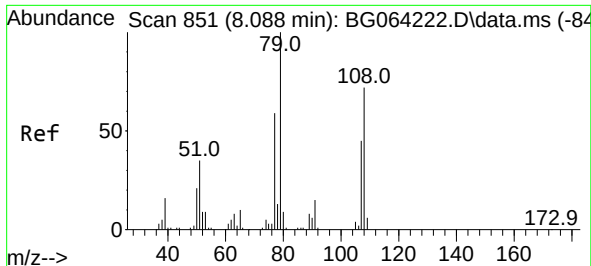
Ion Ratio Lower Upper

146 100

148 60.0 53.4 80.0

111 56.5 39.1 58.7

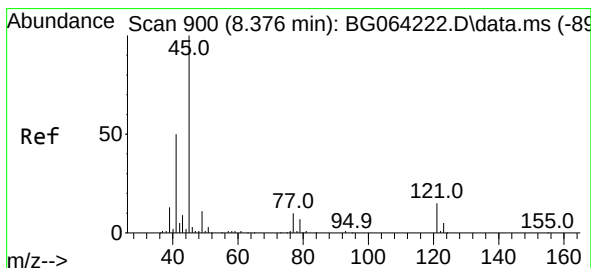
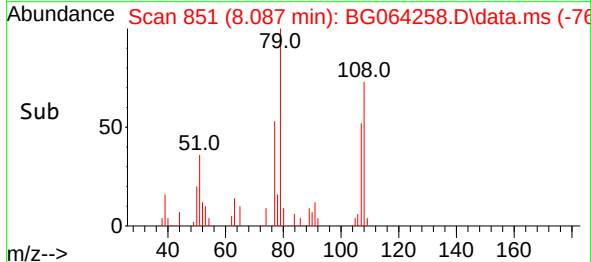
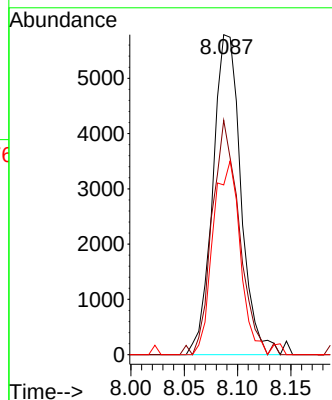
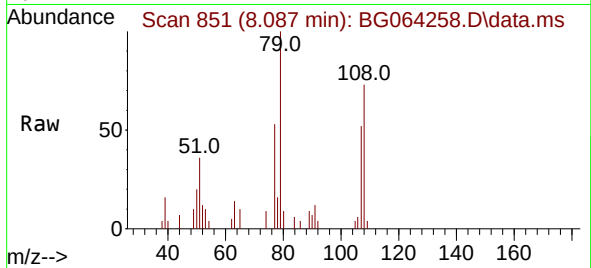




#15
Benzyl Alcohol
Concen: 4.525 ng
RT: 8.087 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

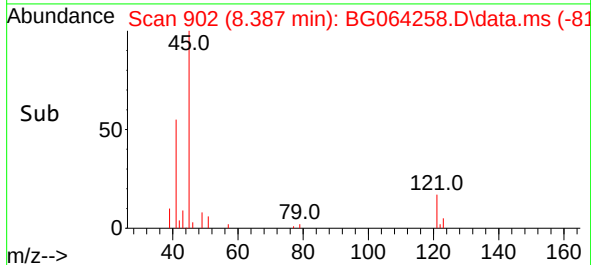
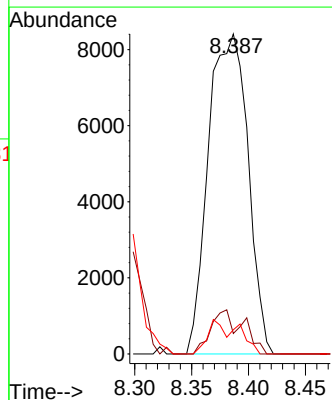
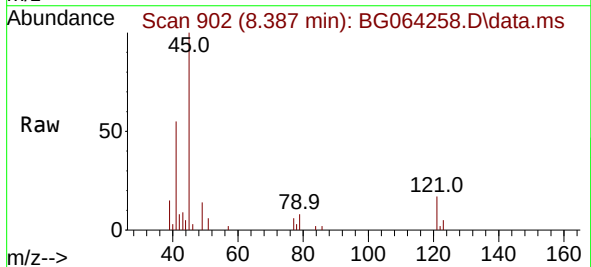
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

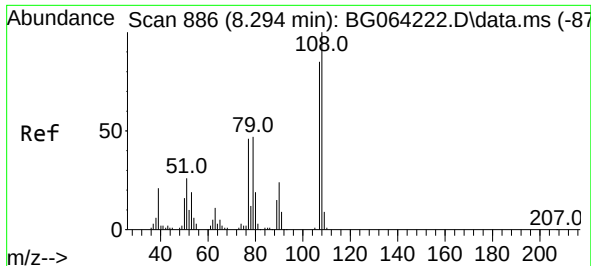
Tgt Ion: 79 Resp: 10581
Ion Ratio Lower Upper
79 100
108 73.2 57.4 86.0
77 53.0 47.2 70.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.242 ng
RT: 8.387 min Scan# 902
Delta R.T. 0.010 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion: 45 Resp: 20329
Ion Ratio Lower Upper
45 100
77 6.4 0.0 30.0
79 7.6 0.0 27.9





#17

2-Methylphenol

Concen: 4.171 ng

RT: 8.299 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064258.D

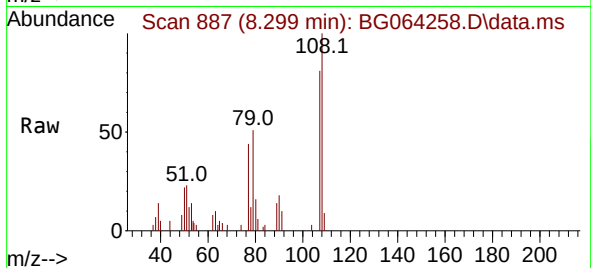
Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:107 Resp: 8683

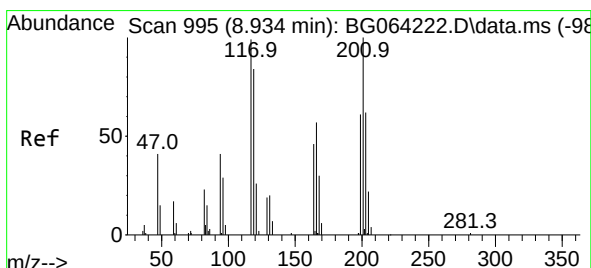
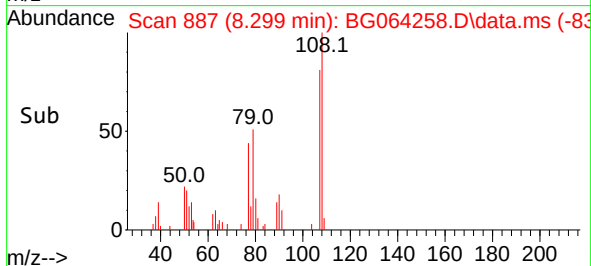
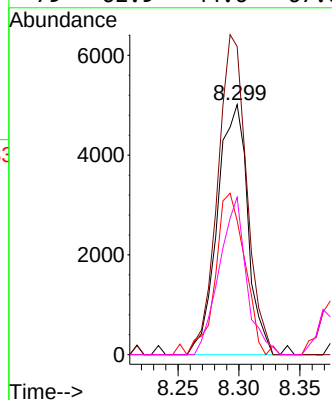
Ion Ratio Lower Upper

107 100

108 123.2 94.6 141.8

77 53.6 43.7 65.5

79 62.9 44.6 67.0



#18

Hexachloroethane

Concen: 4.703 ng

RT: 8.927 min Scan# 994

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

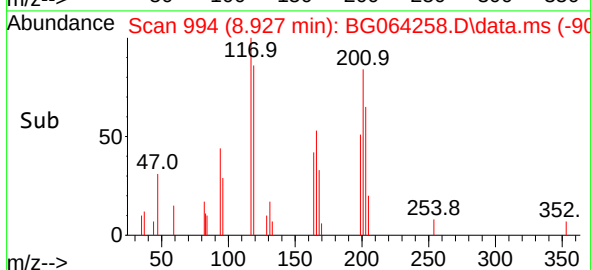
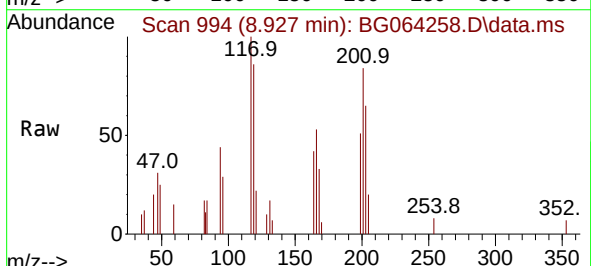
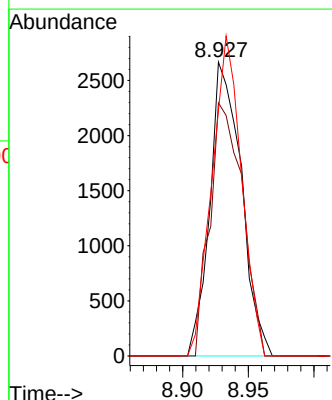
Tgt Ion:117 Resp: 4442

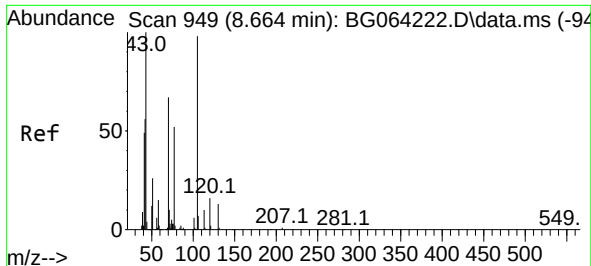
Ion Ratio Lower Upper

117 100

119 86.1 67.9 101.9

201 83.6 80.5 120.7

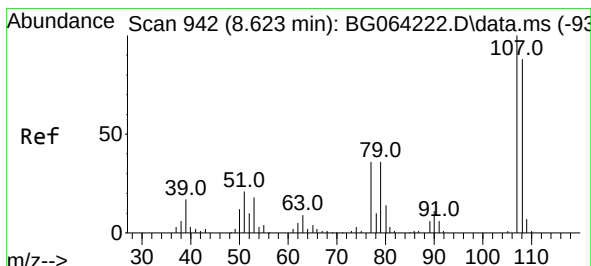
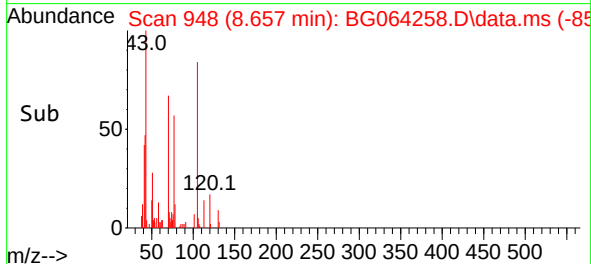
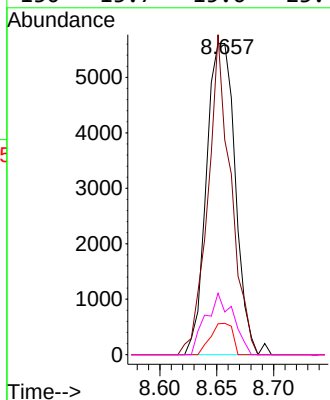
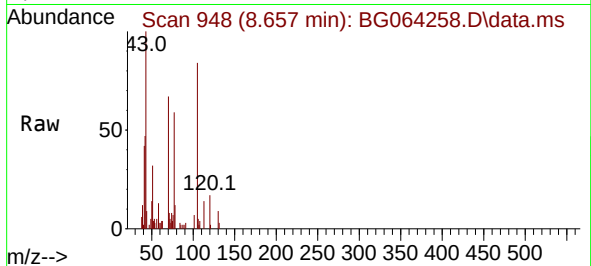




#19
n-Nitroso-di-n-propylamine
Concen: 5.110 ng
RT: 8.657 min Scan# 941
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

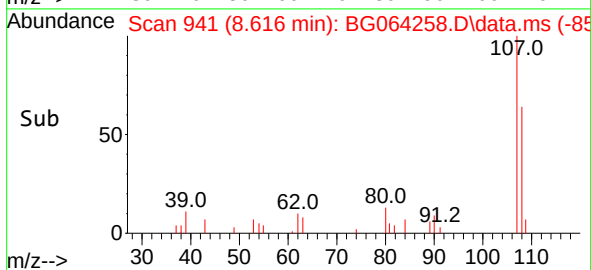
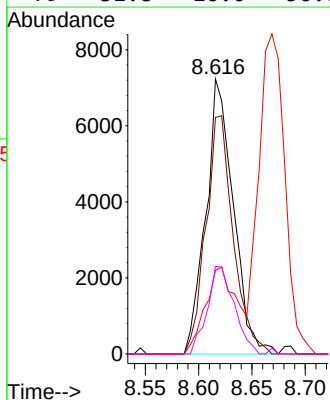
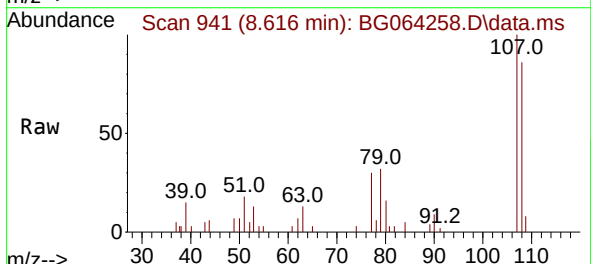
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

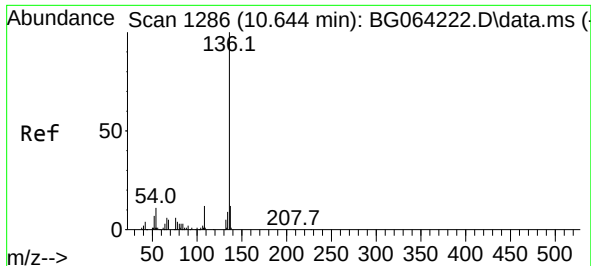
Tgt Ion:	70	Resp:	9909
Ion	Ratio	Lower	Upper
70	100		
42	69.0	67.9	101.9
101	10.1	7.3	10.9
130	13.7	15.6	23.4



#20
3+4-Methylphenols
Concen: 4.488 ng
RT: 8.616 min Scan# 941
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:	107	Resp:	12982
Ion	Ratio	Lower	Upper
107	100		
108	86.0	68.1	108.1
77	30.4	15.9	55.9
79	31.8	16.0	56.0

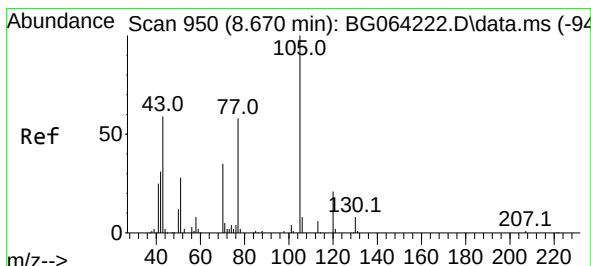
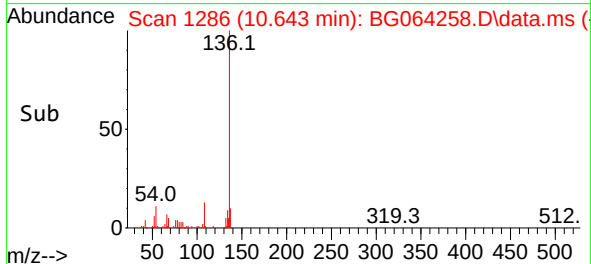
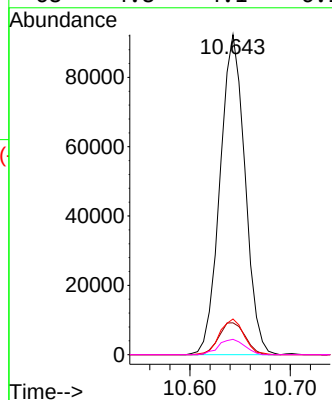
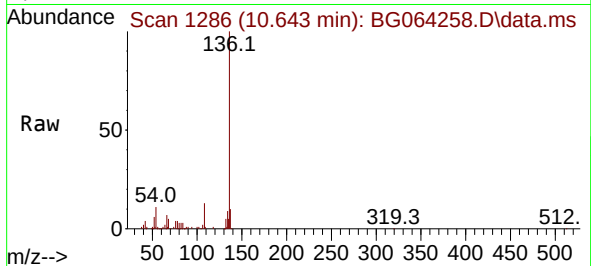




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

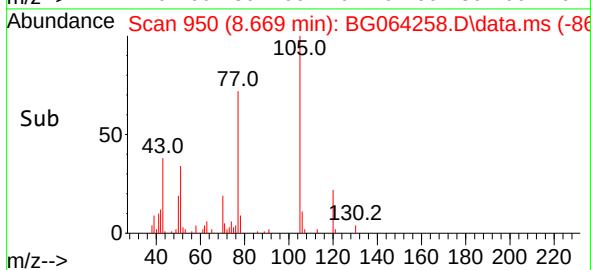
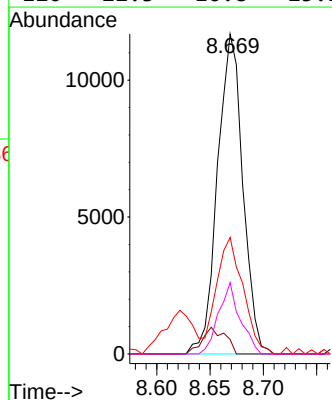
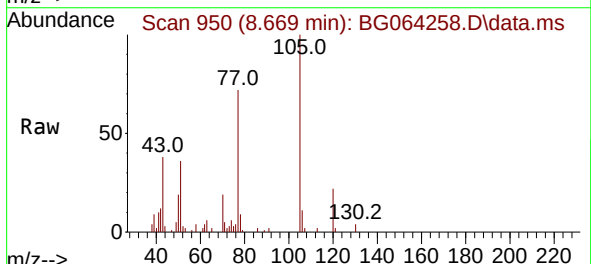
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

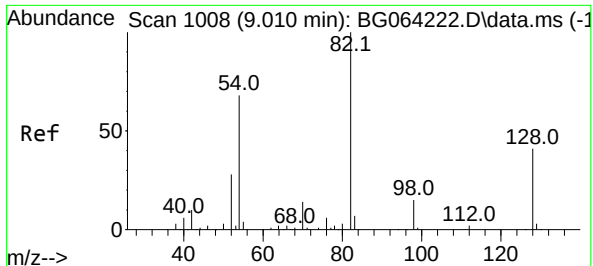
Tgt Ion:136 Resp: 159134
Ion Ratio Lower Upper
136 100
137 10.0 9.6 14.4
54 11.2 8.8 13.2
68 4.8 4.1 6.1



#22
Acetophenone
Concen: 4.782 ng
RT: 8.669 min Scan# 950
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:105 Resp: 19254
Ion Ratio Lower Upper
105 100
71 4.5 4.3 6.5
51 36.4 32.4 48.6
120 22.3 16.8 25.2





#23

Nitrobenzene-d5

Concen: 100.604 ng

RT: 9.009 min Scan# 1008

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

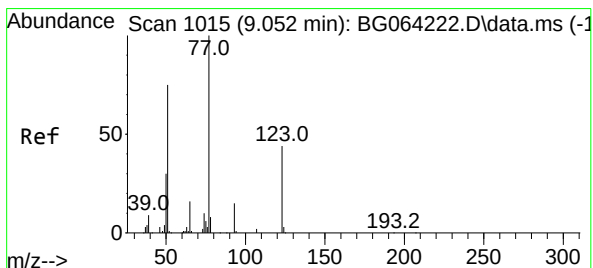
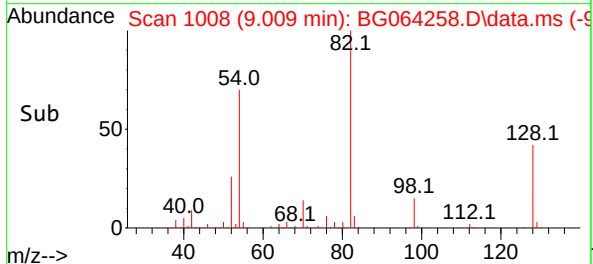
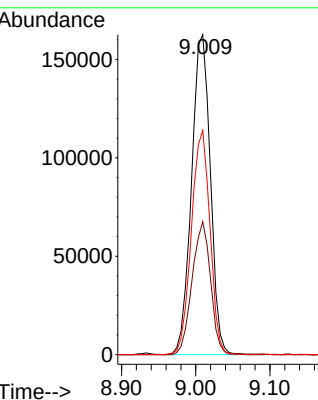
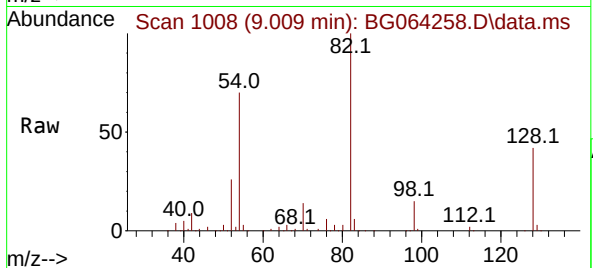
Tgt Ion: 82 Resp: 287062

Ion Ratio Lower Upper

82 100

128 41.5 32.6 48.8

54 70.1 54.7 82.1



#24

Nitrobenzene

Concen: 4.735 ng

RT: 9.051 min Scan# 1015

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

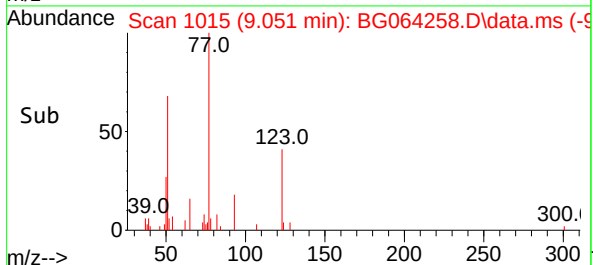
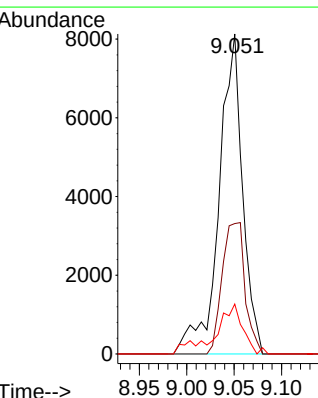
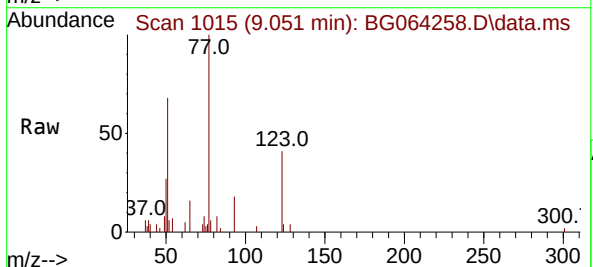
Tgt Ion: 77 Resp: 14116

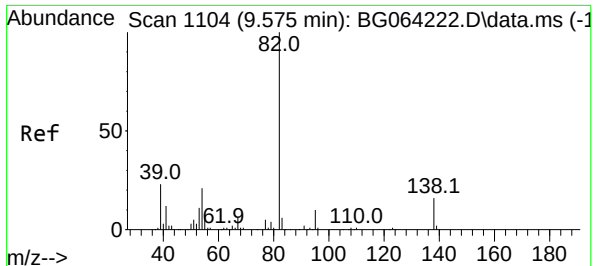
Ion Ratio Lower Upper

77 100

123 40.8 35.2 52.8

65 15.6 12.6 19.0

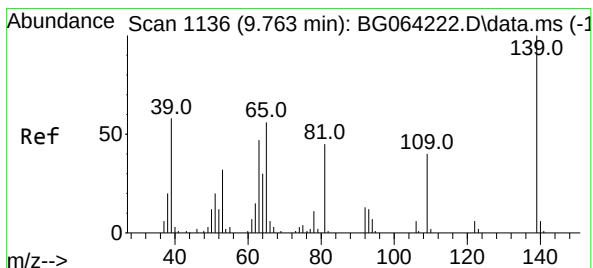
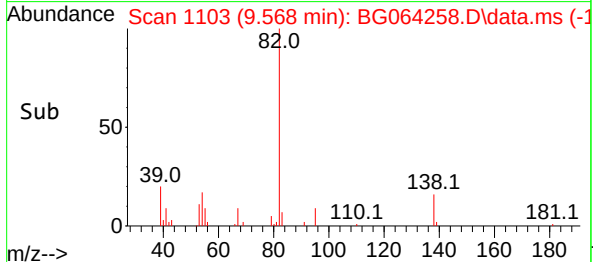
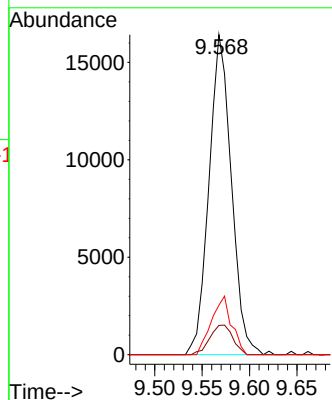
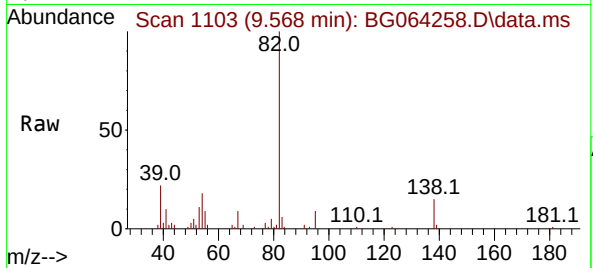




#25
Isophorone
Concen: 4.546 ng
RT: 9.568 min Scan# 1103
Delta R.T. -0.019 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

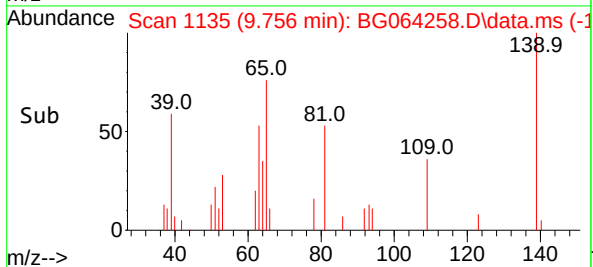
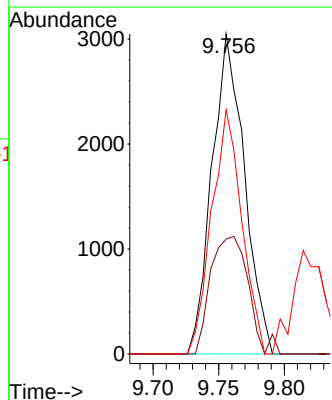
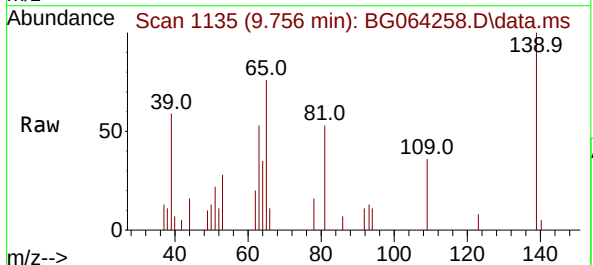
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

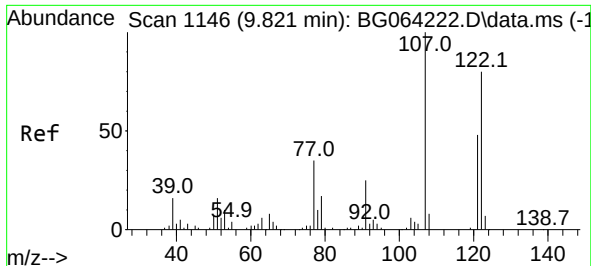
Tgt Ion: 82 Resp: 26956
Ion Ratio Lower Upper
82 100
95 9.2 7.9 11.9
138 15.4 13.0 19.4



#26
2-Nitrophenol
Concen: 4.071 ng
RT: 9.756 min Scan# 1135
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion: 139 Resp: 5244
Ion Ratio Lower Upper
139 100
109 35.9 32.4 48.6
65 76.3 44.6 67.0#





#27

2,4-Dimethylphenol

Concen: 4.841 ng

RT: 9.814 min Scan# 1145

Delta R.T. -0.013 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

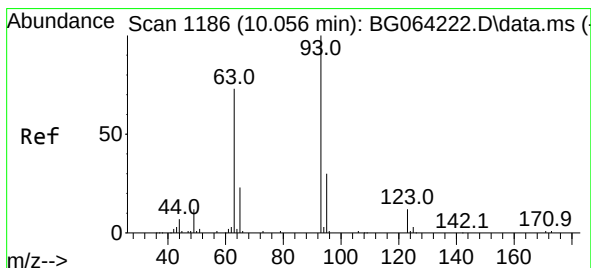
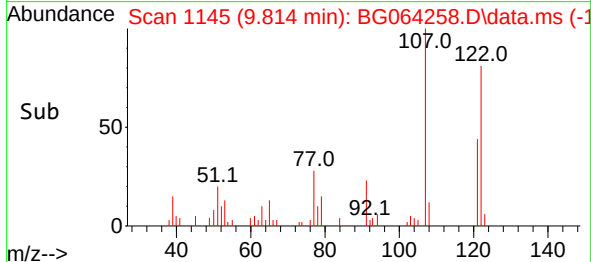
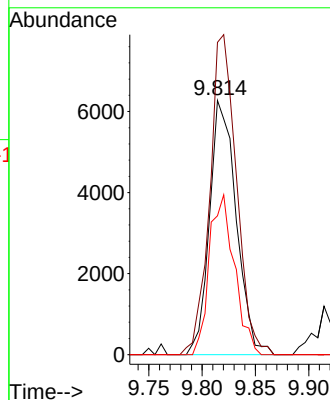
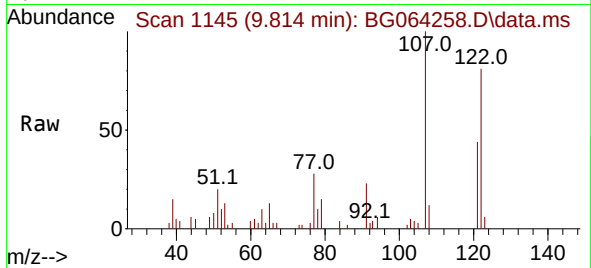
Tgt Ion:122 Resp: 10949

Ion Ratio Lower Upper

122 100

107 122.8 99.9 149.9

121 54.6 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 4.525 ng

RT: 10.055 min Scan# 1186

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

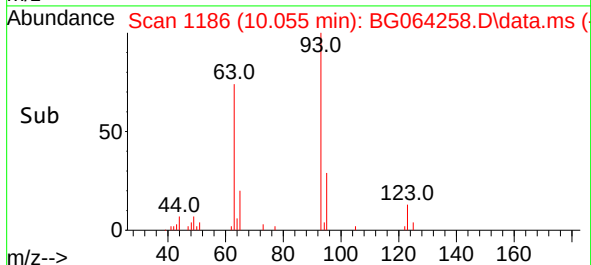
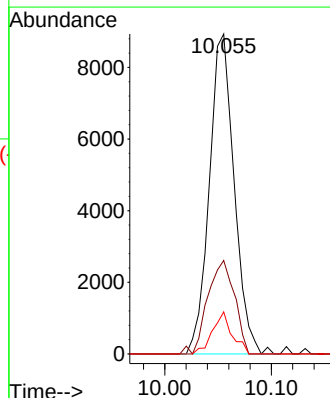
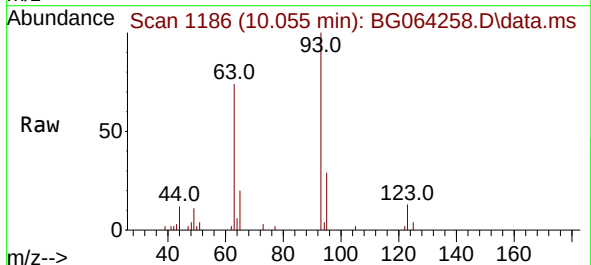
Tgt Ion: 93 Resp: 14468

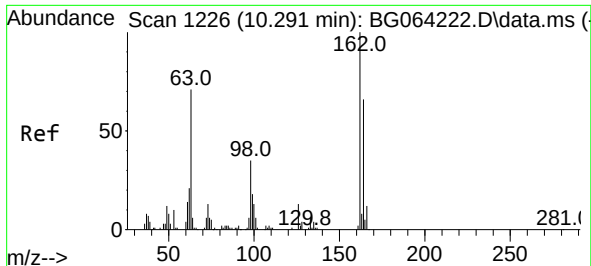
Ion Ratio Lower Upper

93 100

95 29.2 23.9 35.9

123 13.2 9.6 14.4

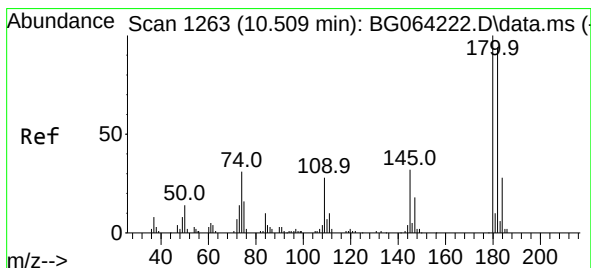
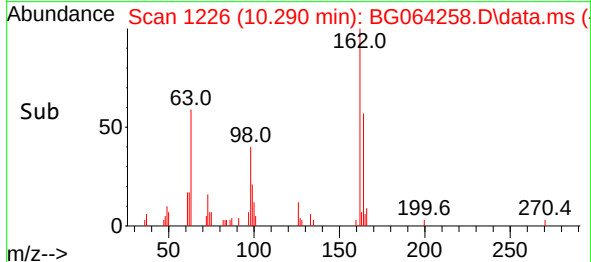
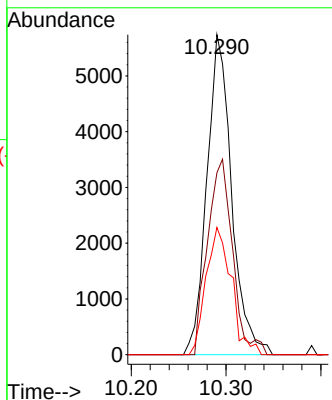
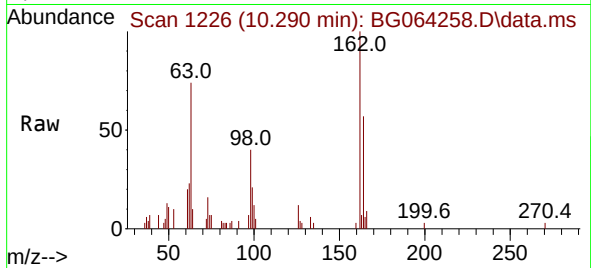




#29
2,4-Dichlorophenol
Concen: 4.365 ng
RT: 10.290 min Scan# 1226
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

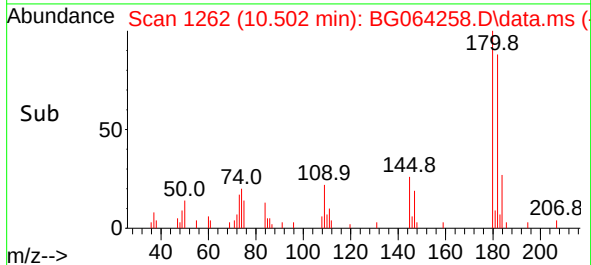
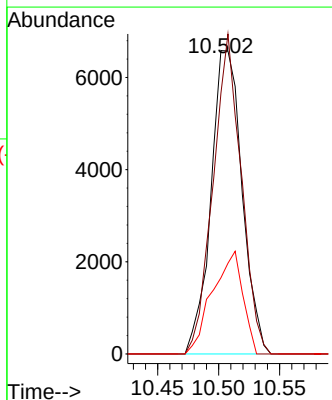
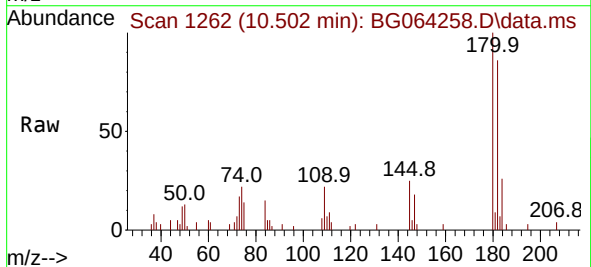
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

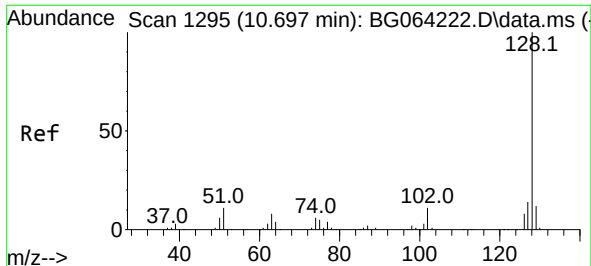
Tgt Ion:162 Resp: 10416
Ion Ratio Lower Upper
162 100
164 56.8 45.8 85.8
98 39.7 15.2 55.2



#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.502 min Scan# 1262
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

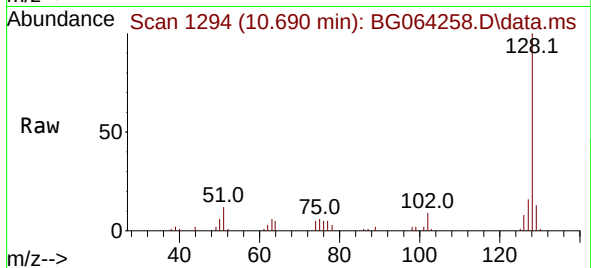
Tgt Ion:180 Resp: 11714
Ion Ratio Lower Upper
180 100
182 85.9 75.0 112.6
145 25.1 25.4 38.0#



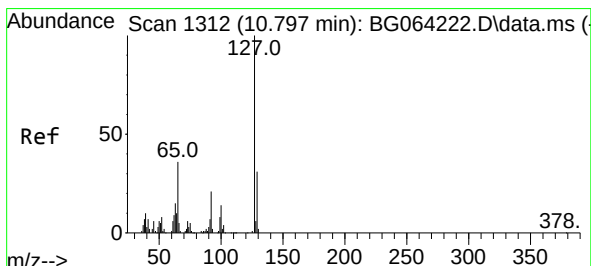
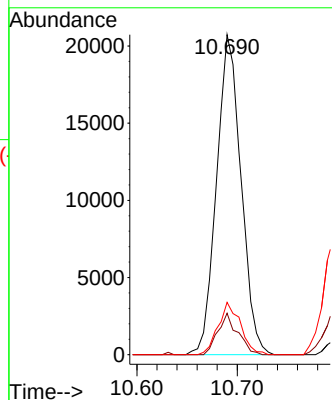
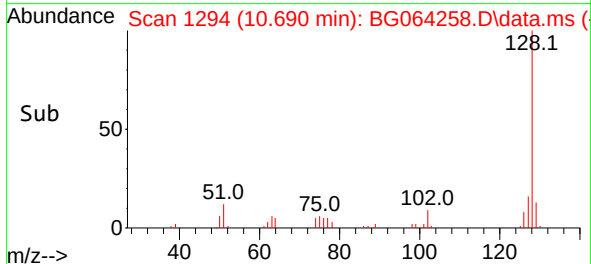


#31
Naphthalene
Concen: 4.248 ng
RT: 10.690 min Scan# 1295
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

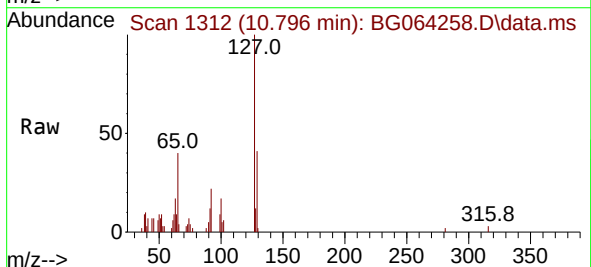
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



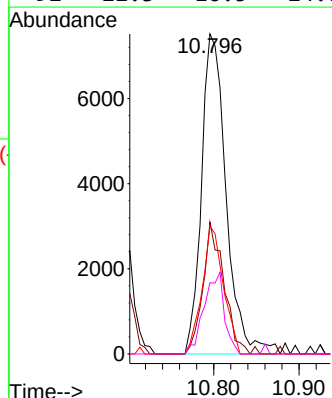
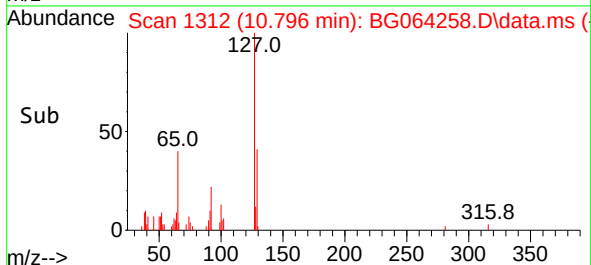
Tgt Ion:128 Resp: 35056
Ion Ratio Lower Upper
128 100
129 13.0 9.4 14.2
127 16.3 10.9 16.3#

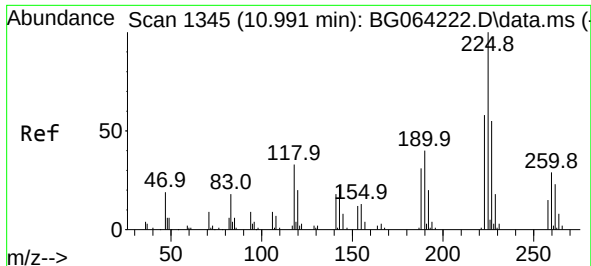


#33
4-Chloroaniline
Concen: 4.714 ng
RT: 10.796 min Scan# 1312
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49



Tgt Ion:127 Resp: 15077
Ion Ratio Lower Upper
127 100
129 43.3 25.0 37.4#
65 39.9 28.7 43.1
92 22.3 16.5 24.7

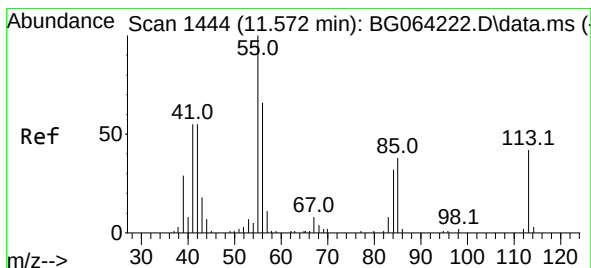
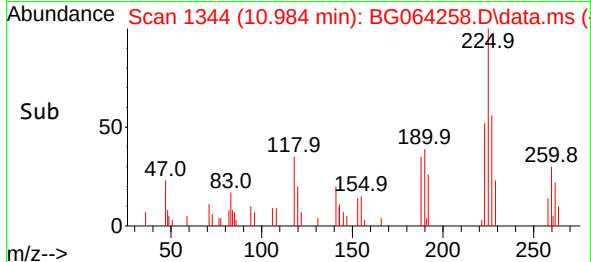
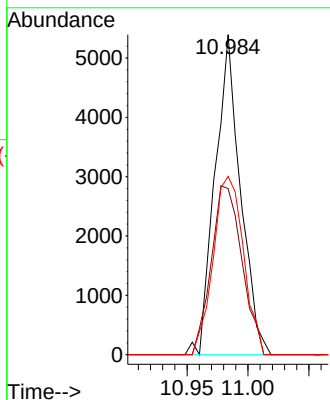
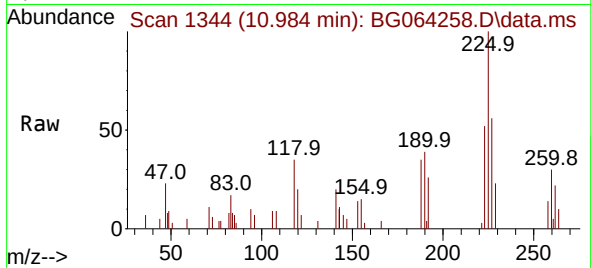




#34
Hexachlorobutadiene
Concen: 4.212 ng
RT: 10.984 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

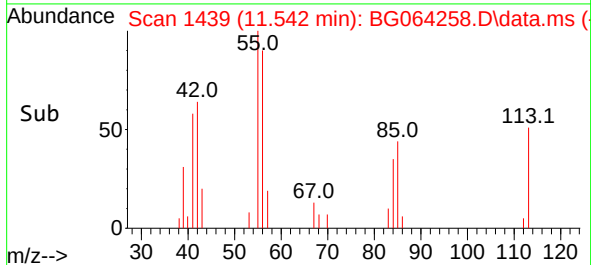
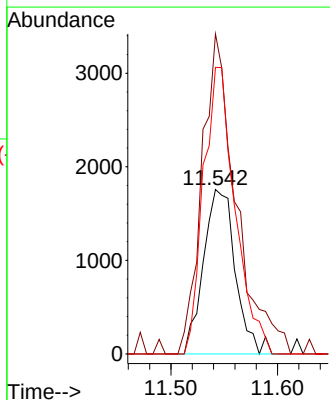
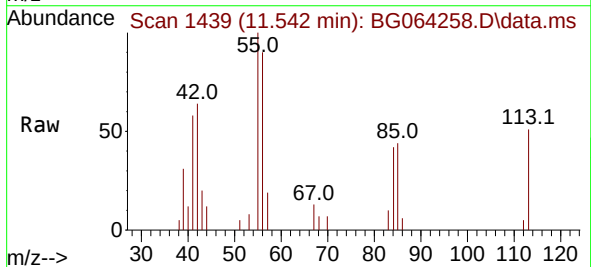
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

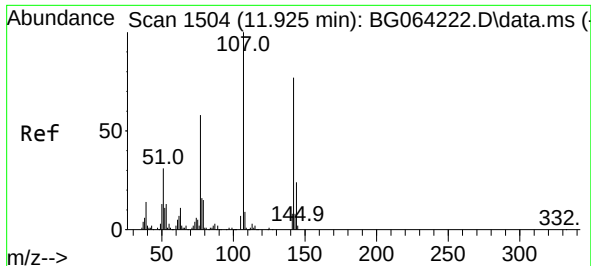
Tgt Ion:225 Resp: 7833
Ion Ratio Lower Upper
225 100
223 51.9 46.5 69.7
227 55.7 44.1 66.1



#35
Caprolactam
Concen: 3.957 ng
RT: 11.542 min Scan# 1439
Delta R.T. -0.060 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:113 Resp: 3656
Ion Ratio Lower Upper
113 100
55 194.5 218.5 258.5#
56 174.2 138.5 178.5

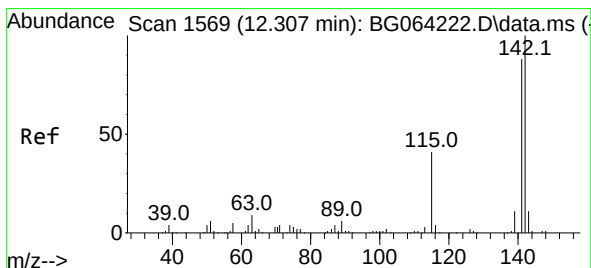
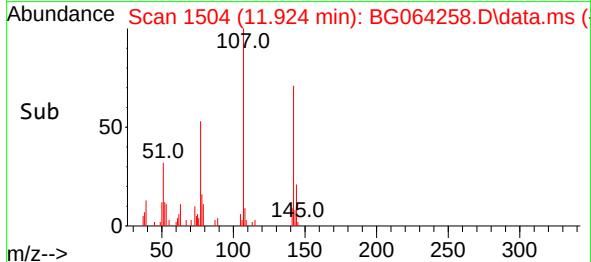
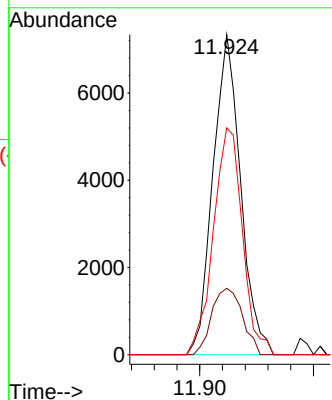
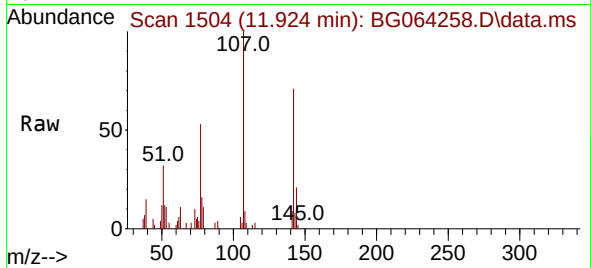




#36
4-Chloro-3-methylphenol
Concen: 4.003 ng
RT: 11.924 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

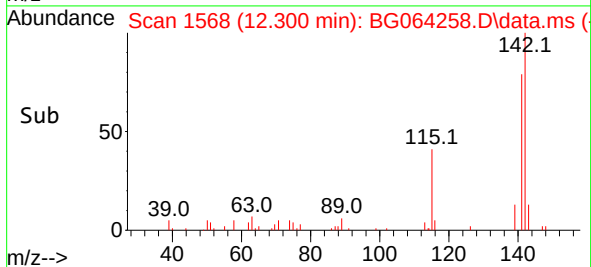
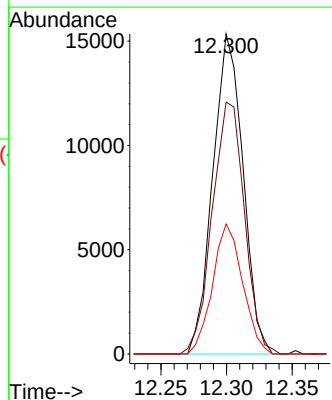
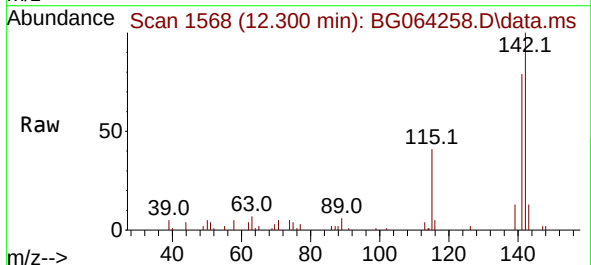
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

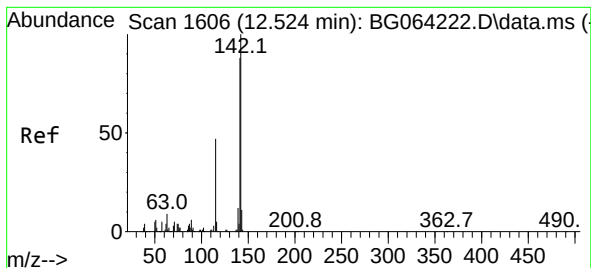
Tgt Ion:107 Resp: 12393
Ion Ratio Lower Upper
107 100
144 20.7 19.5 29.3
142 70.9 62.0 93.0



#37
2-Methylnaphthalene
Concen: 4.000 ng
RT: 12.300 min Scan# 1568
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:142 Resp: 24534
Ion Ratio Lower Upper
142 100
141 78.7 70.1 105.1
115 40.7 33.1 49.7

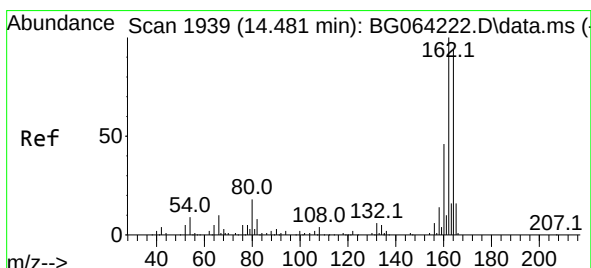
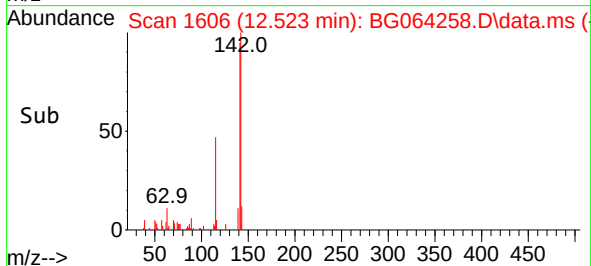
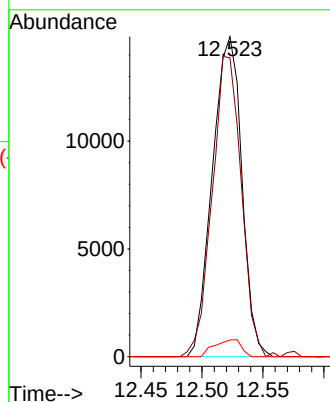
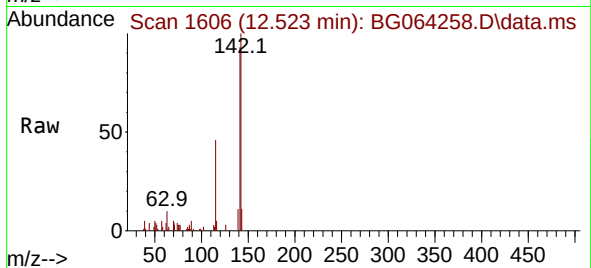




#38
1-Methylnaphthalene
Concen: 4.113 ng
RT: 12.523 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

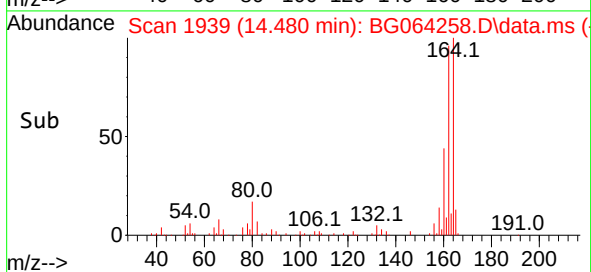
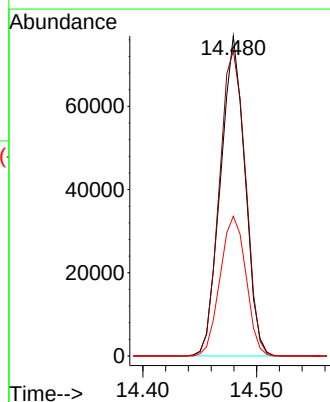
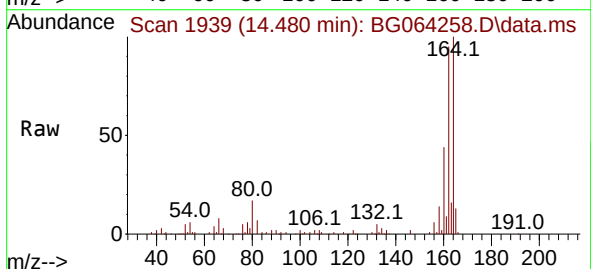
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

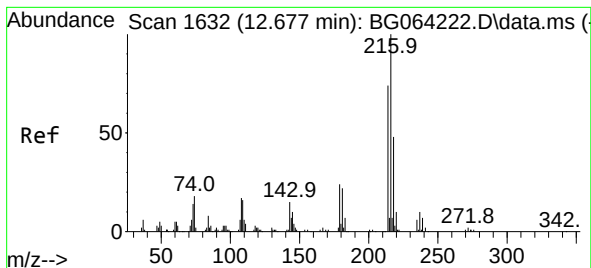
Tgt Ion:142 Resp: 24918
Ion Ratio Lower Upper
142 100
141 93.4 70.3 105.5
116 5.2 3.7 5.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:164 Resp: 115058
Ion Ratio Lower Upper
164 100
162 95.4 85.4 128.0
160 43.6 39.2 58.8





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.461 ng

RT: 12.670 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:216 Resp: 14811

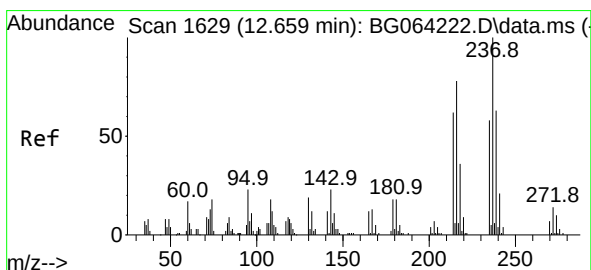
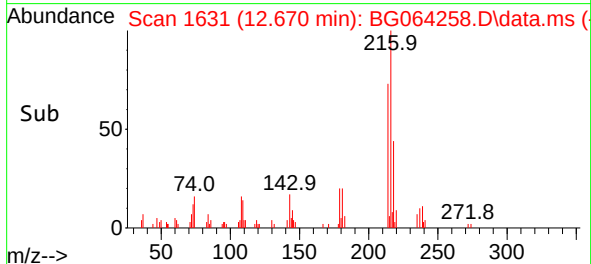
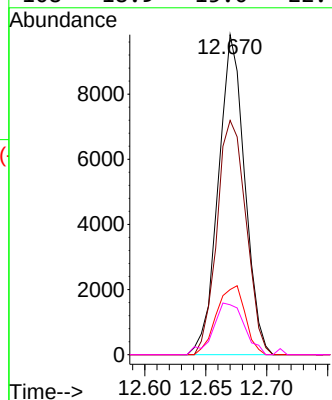
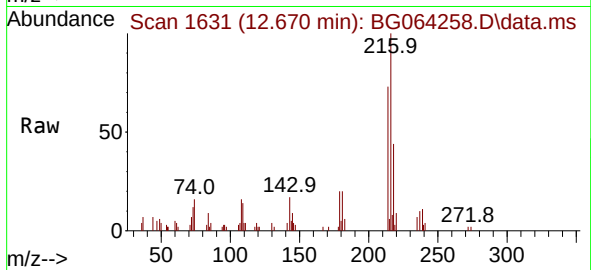
Ion Ratio Lower Upper

216 100

214 80.3 61.9 92.9

179 23.3 17.9 26.9

108 18.9 15.0 22.4



#41

Hexachlorocyclopentadiene

Concen: 3.630 ng

RT: 12.652 min Scan# 1628

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

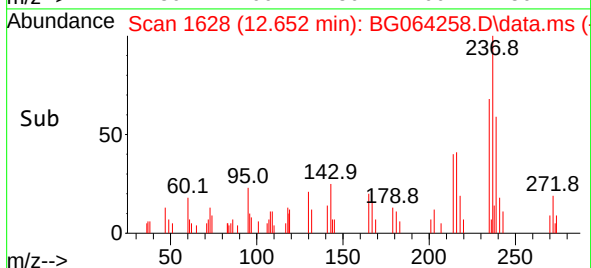
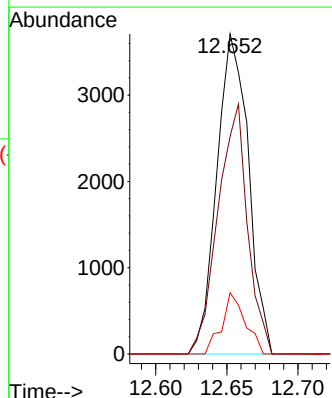
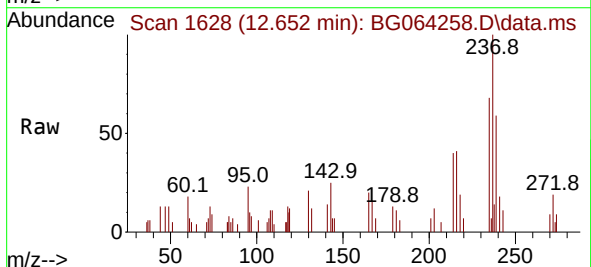
Tgt Ion:237 Resp: 5728

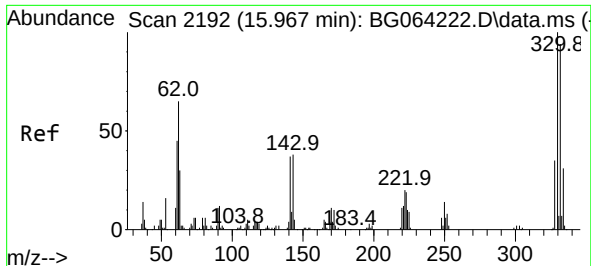
Ion Ratio Lower Upper

237 100

235 68.0 37.9 77.9

272 19.1 0.0 33.8

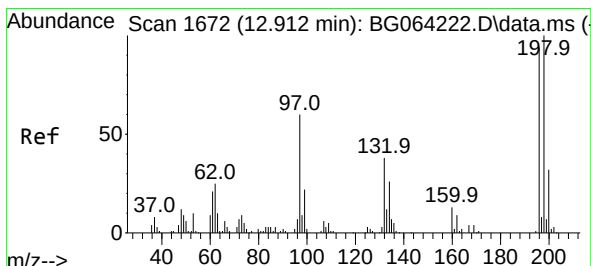
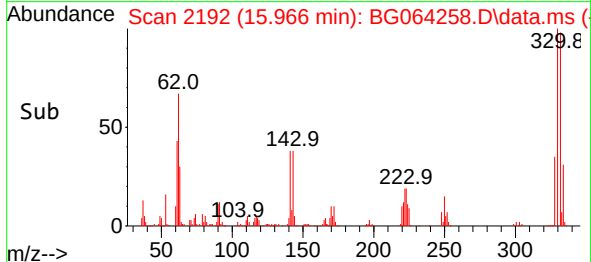
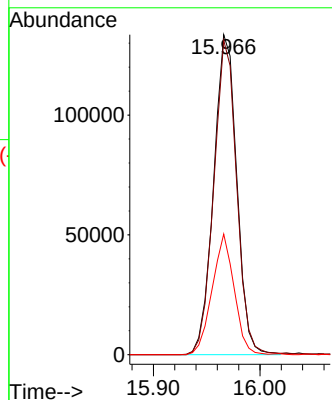
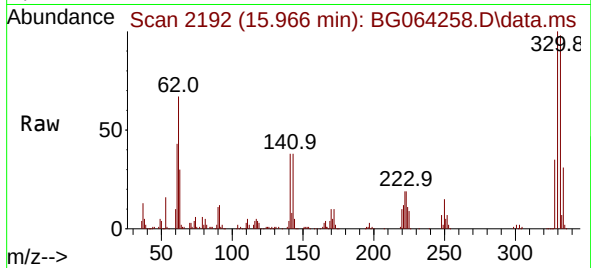




#42
 2,4,6-Tribromophenol
 Concen: 131.928 ng
 RT: 15.966 min Scan# 2192
 Delta R.T. -0.007 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

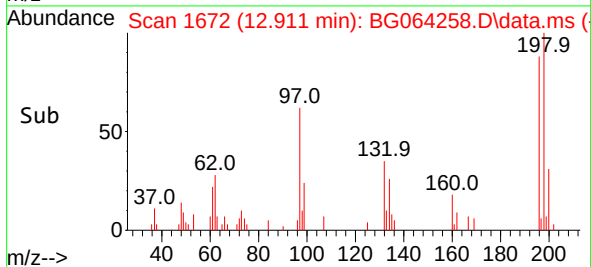
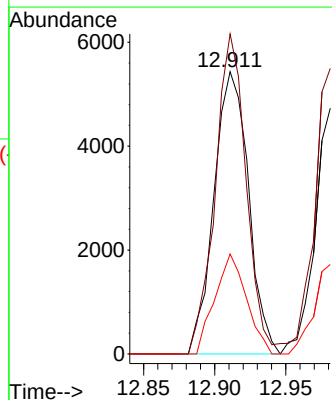
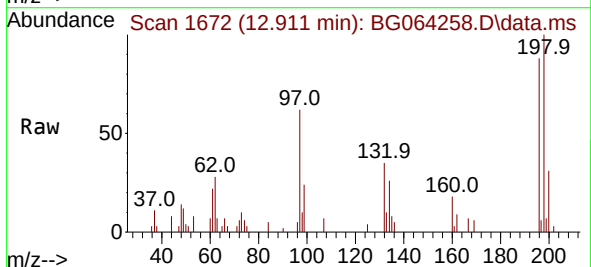
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

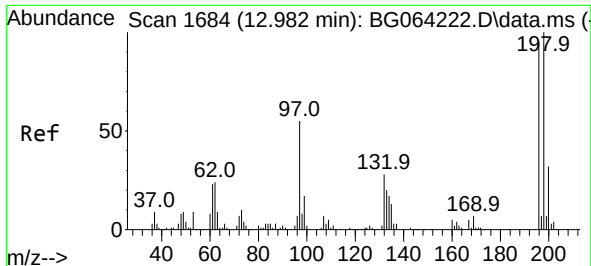
Tgt Ion:330 Resp: 201057
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.6 116.4
 141 36.0 29.8 44.6



#43
 2,4,6-Trichlorophenol
 Concen: 4.138 ng
 RT: 12.911 min Scan# 1672
 Delta R.T. -0.001 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

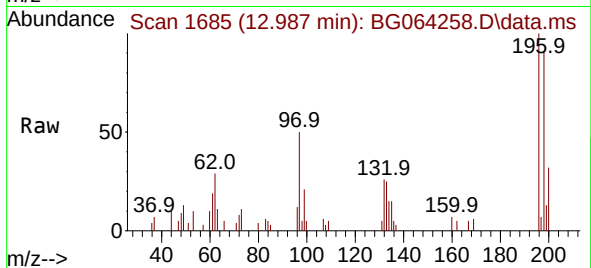
Tgt Ion:196 Resp: 9182
 Ion Ratio Lower Upper
 196 100
 198 106.3 85.4 128.2
 200 33.2 27.3 40.9



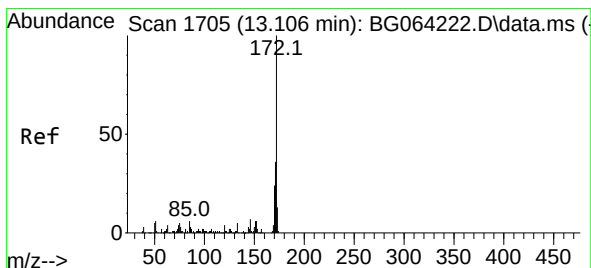
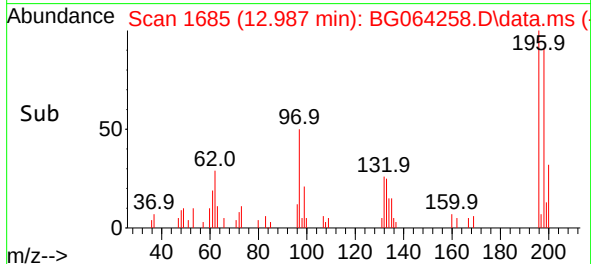
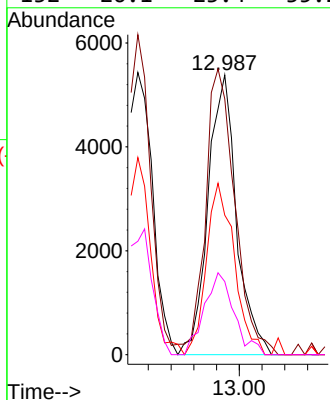


#44
2,4,5-Trichlorophenol
Concen: 3.877 ng
RT: 12.987 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

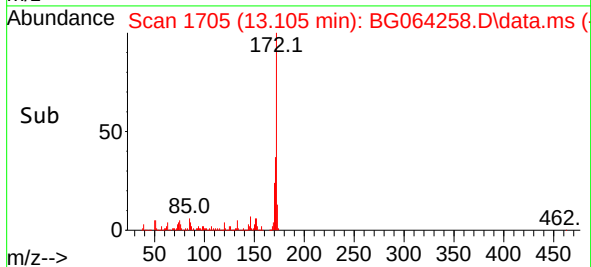
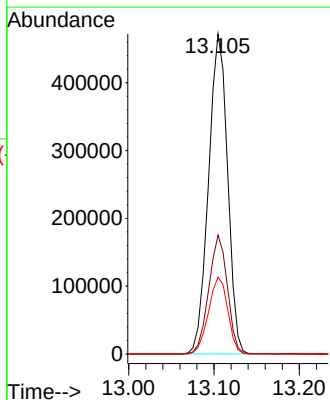
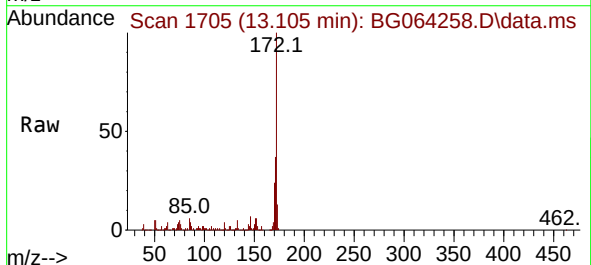


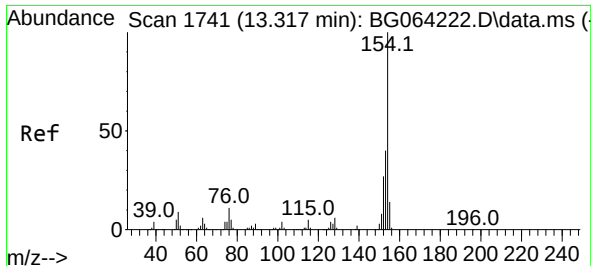
Tgt Ion:196 Resp: 9331
Ion Ratio Lower Upper
196 100
198 91.4 84.5 126.7
97 49.9 46.8 70.2
132 26.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 97.055 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:172 Resp: 731608
Ion Ratio Lower Upper
172 100
171 37.2 28.7 43.1
170 24.0 19.0 28.6

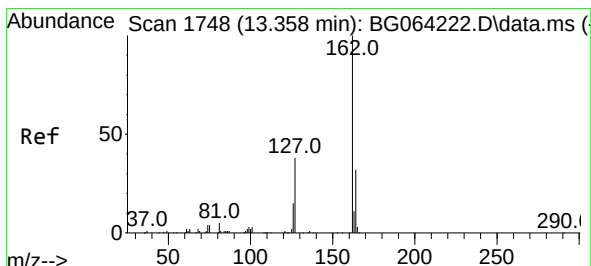
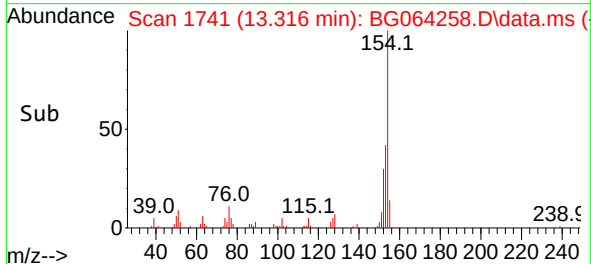
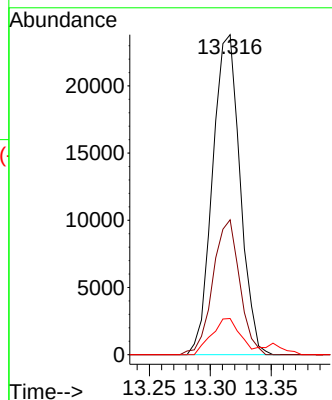
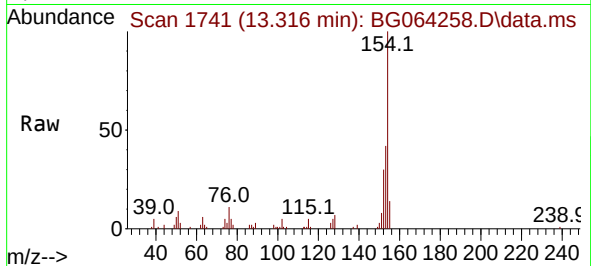




#46
1,1'-Biphenyl
Concen: 4.456 ng
RT: 13.316 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

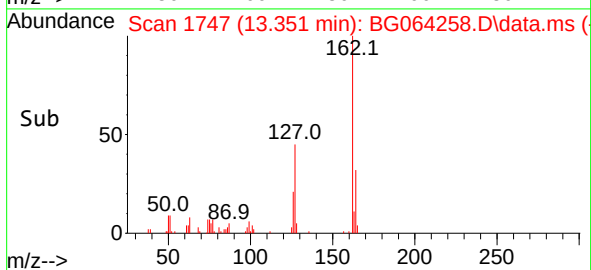
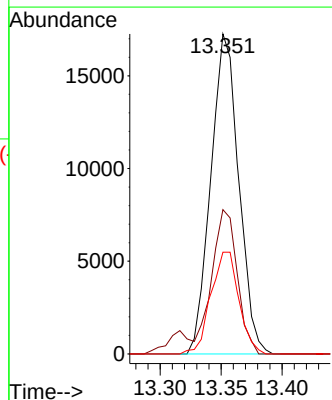
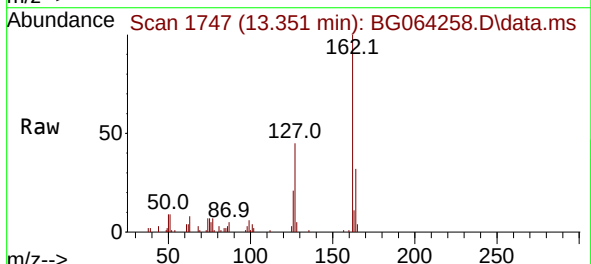
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

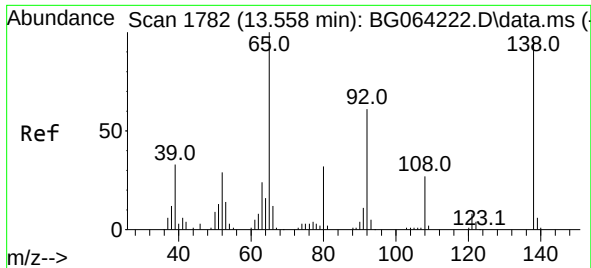
Tgt Ion:154 Resp: 37339
Ion Ratio Lower Upper
154 100
153 42.2 19.9 59.9
76 11.3 0.0 30.9



#47
2-Chloronaphthalene
Concen: 4.360 ng
RT: 13.351 min Scan# 1747
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:162 Resp: 27467
Ion Ratio Lower Upper
162 100
127 45.1 33.9 50.9
164 31.8 25.4 38.2

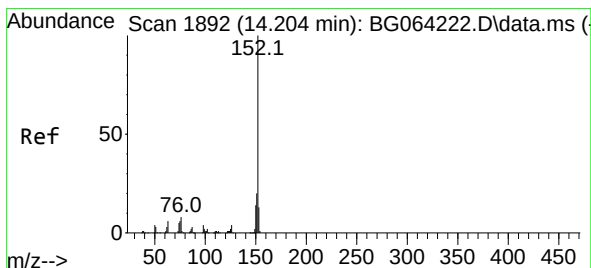
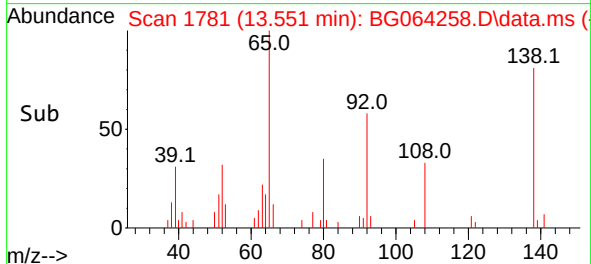
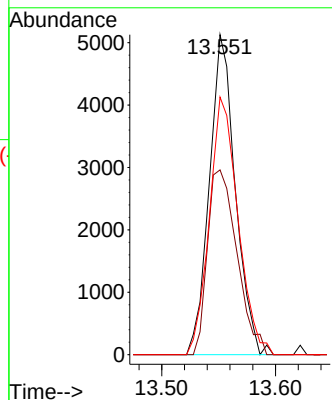
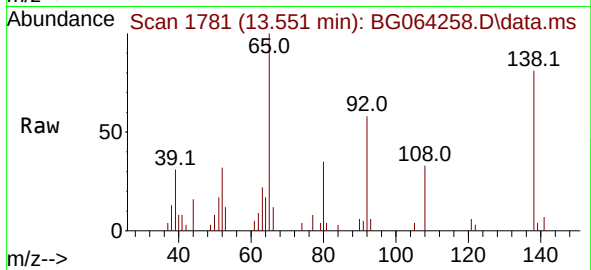




#48
2-Nitroaniline
Concen: 3.788 ng
RT: 13.551 min Scan# 1781
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

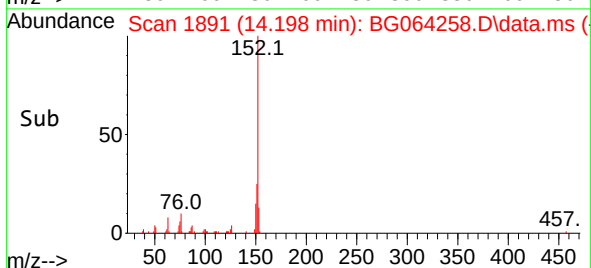
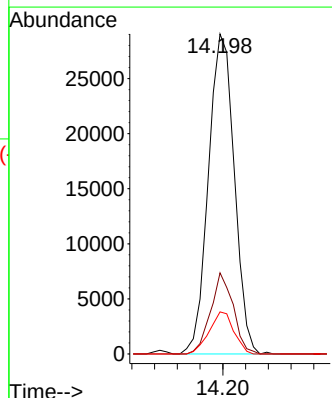
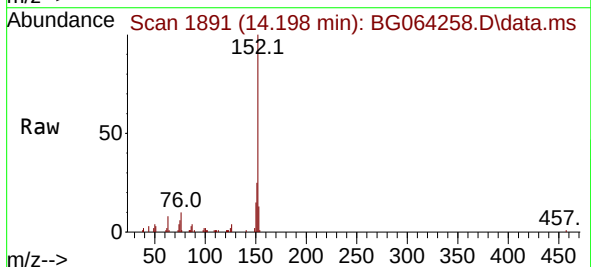
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

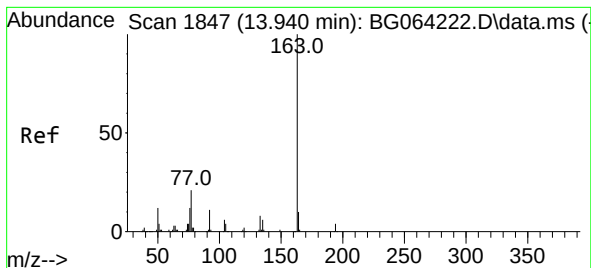
Tgt Ion: 65 Resp: 8135
Ion Ratio Lower Upper
65 100
92 57.8 49.2 73.8
138 80.5 76.8 115.2



#49
Acenaphthylene
Concen: 4.936 ng
RT: 14.198 min Scan# 1891
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:152 Resp: 45972
Ion Ratio Lower Upper
152 100
151 25.3 16.2 24.2#
153 13.2 10.1 15.1

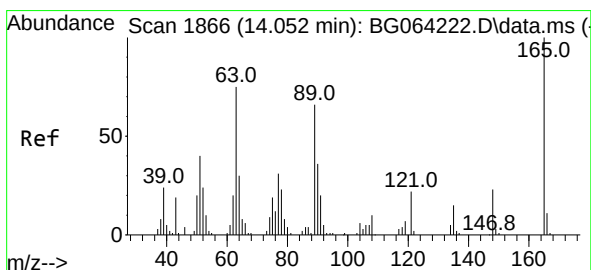
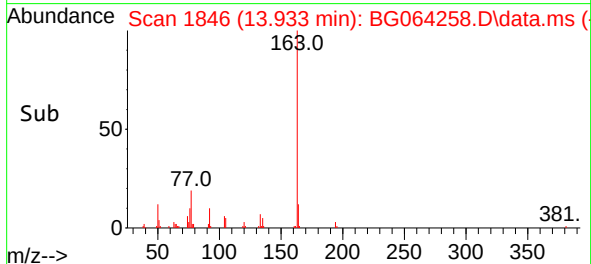
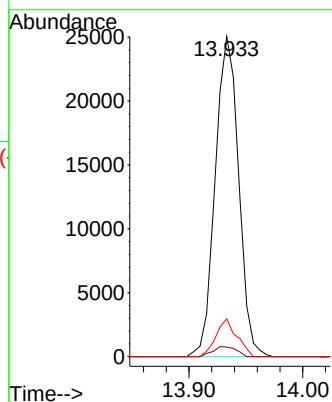
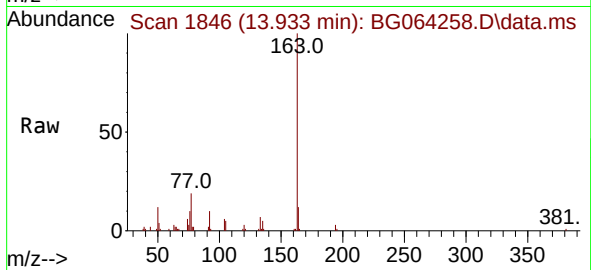




#50
Dimethylphthalate
Concen: 4.116 ng
RT: 13.933 min Scan# 1846
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

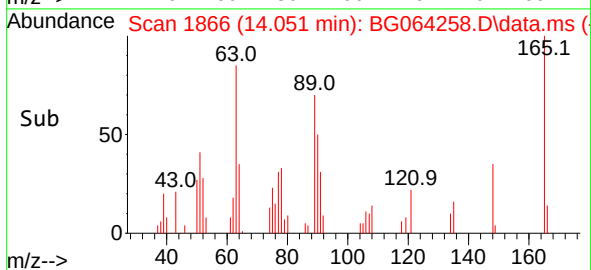
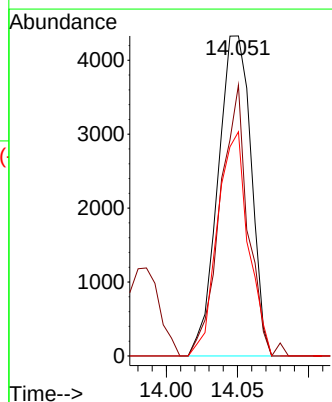
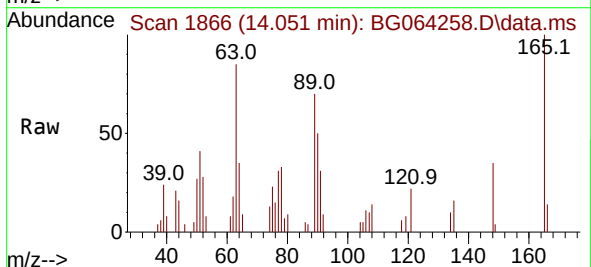
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

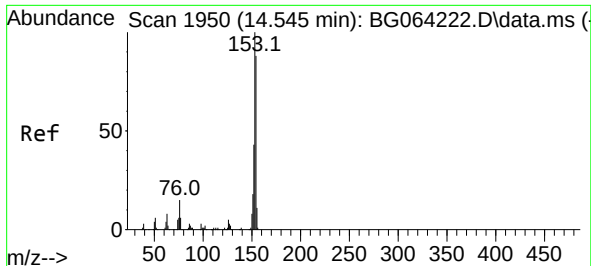
Tgt Ion:163 Resp: 35848
Ion Ratio Lower Upper
163 100
194 3.0 3.0 4.4
164 11.8 7.9 11.9



#51
2,6-Dinitrotoluene
Concen: 4.179 ng
RT: 14.051 min Scan# 1866
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:165 Resp: 7045
Ion Ratio Lower Upper
165 100
63 84.7 60.3 90.5
89 70.1 52.9 79.3

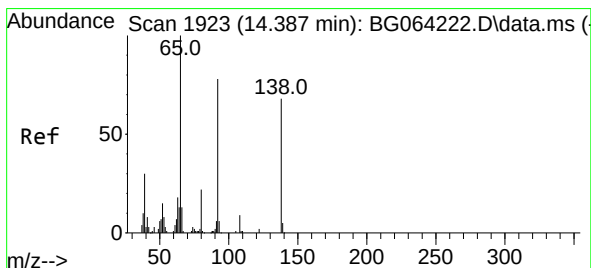
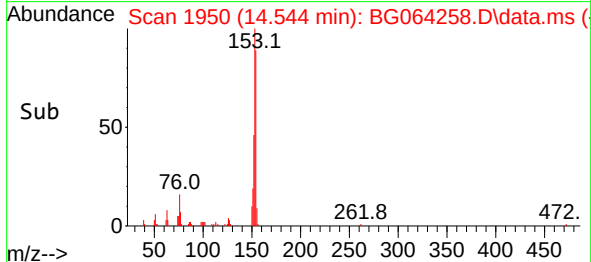
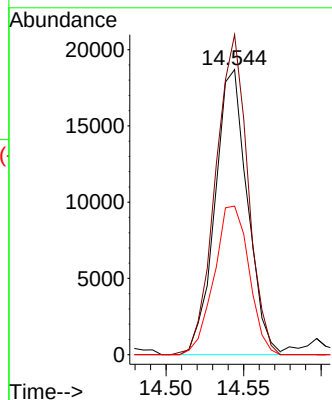
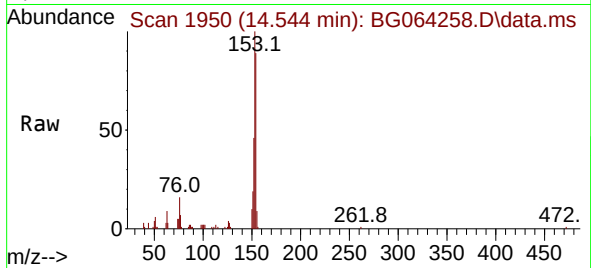




#52
Acenaphthene
Concen: 4.152 ng
RT: 14.544 min Scan# 1950
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

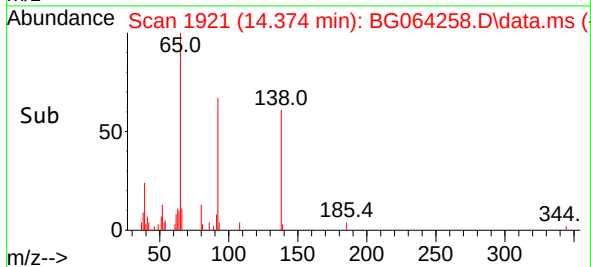
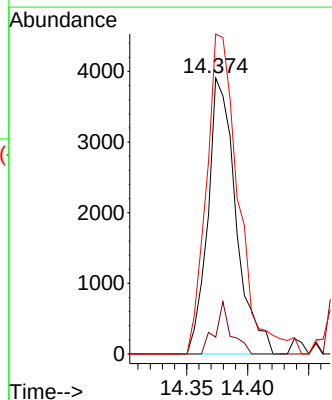
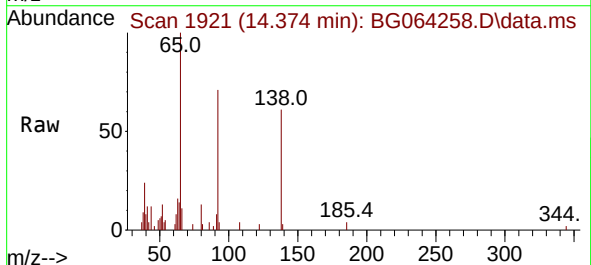
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

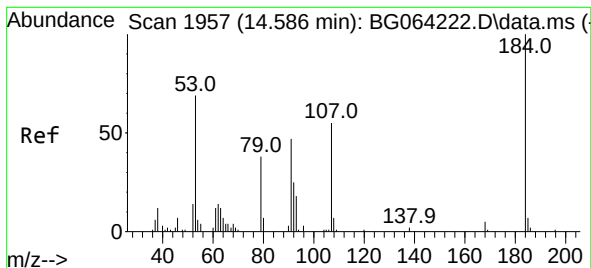
Tgt Ion:154 Resp: 27287
Ion Ratio Lower Upper
154 100
153 112.2 91.1 136.7
152 52.1 39.6 59.4



#53
3-Nitroaniline
Concen: 3.543 ng
RT: 14.374 min Scan# 1921
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:138 Resp: 6258
Ion Ratio Lower Upper
138 100
108 6.1 11.0 16.6#
92 116.0 91.4 137.0

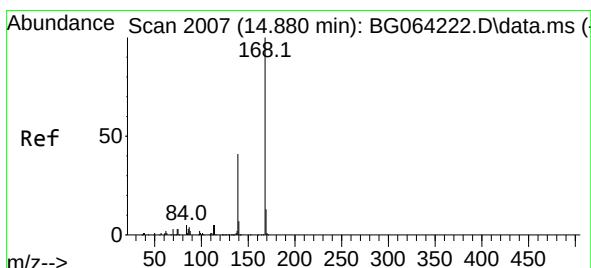
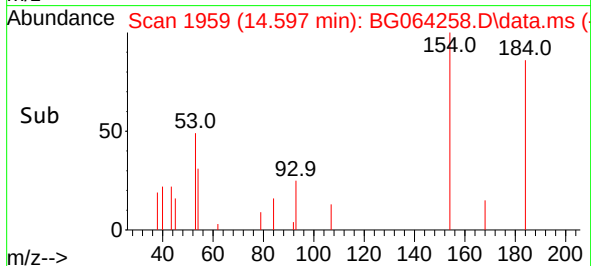
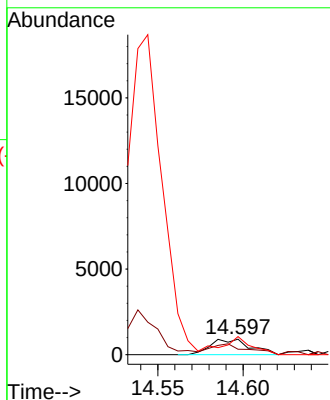
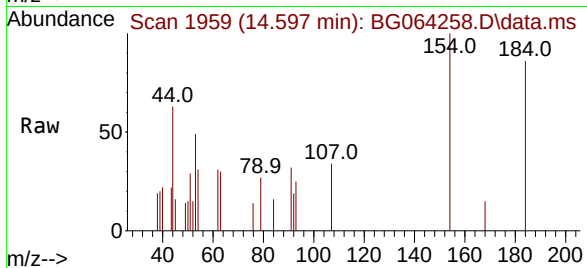




#54
2,4-Dinitrophenol
Concen: 6.892 ng
RT: 14.597 min Scan# 1957
Delta R.T. 0.005 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

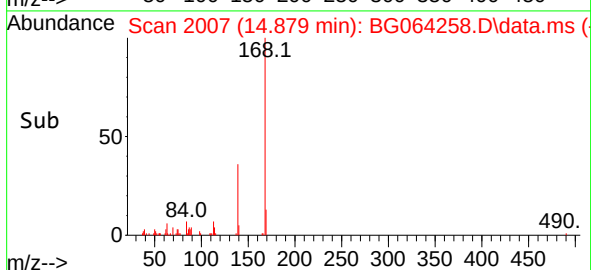
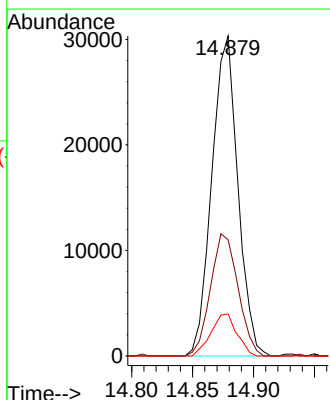
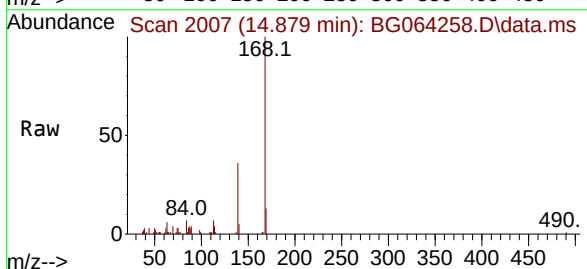
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

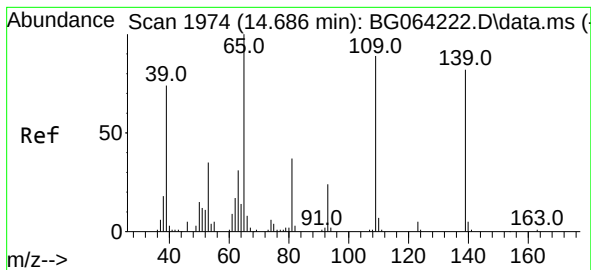
Tgt Ion:184 Resp: 1471
Ion Ratio Lower Upper
184 100
63 34.8 60.1 90.1#
154 116.5 59.8 89.8#



#55
Dibenzofuran
Concen: 4.358 ng
RT: 14.879 min Scan# 2007
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:168 Resp: 45049
Ion Ratio Lower Upper
168 100
139 36.3 33.2 49.8
169 13.1 10.4 15.6

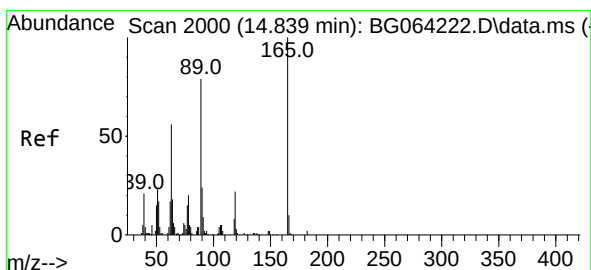
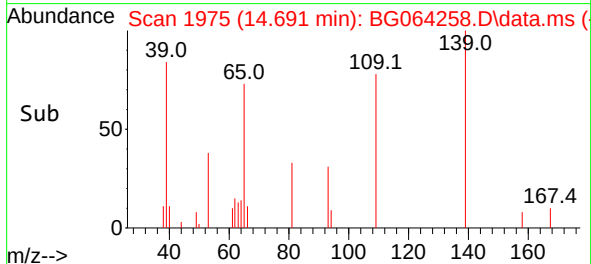
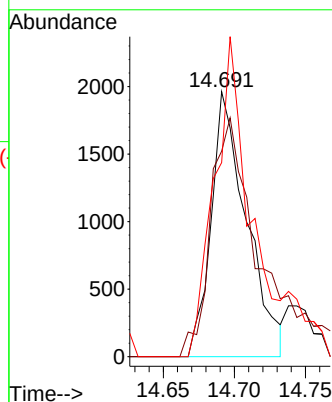
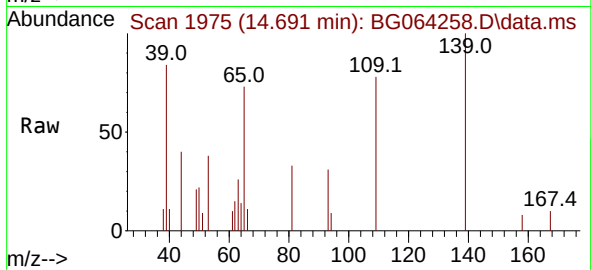




#56
4-Nitrophenol
Concen: 2.341 ng
RT: 14.691 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

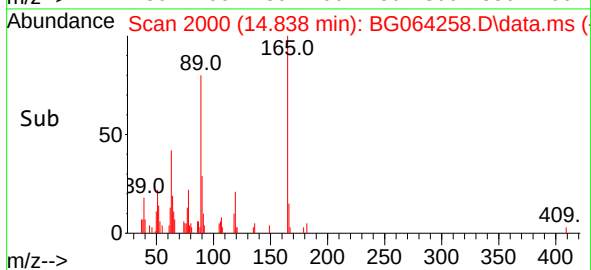
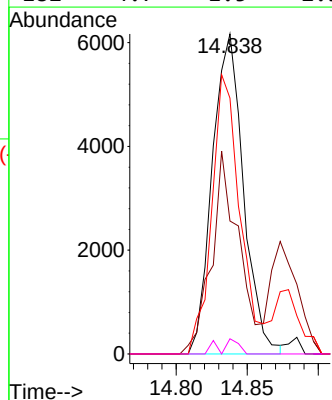
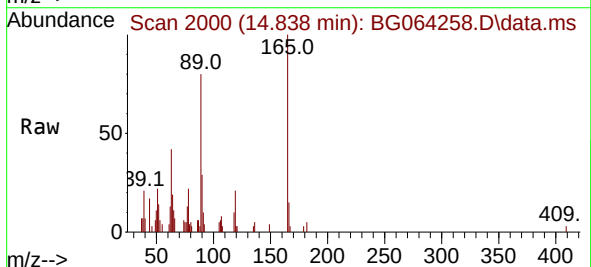
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

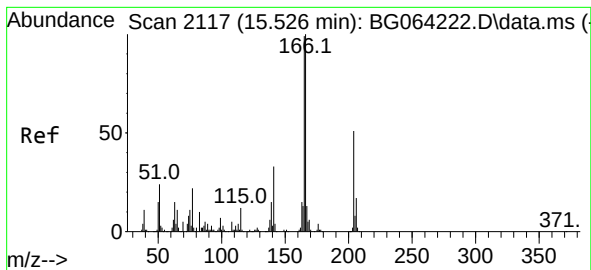
Tgt Ion:139 Resp: 3392
Ion Ratio Lower Upper
139 100
109 77.6 89.1 129.1#
65 73.3 102.9 142.9#



#57
2,4-Dinitrotoluene
Concen: 3.687 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:165 Resp: 9399
Ion Ratio Lower Upper
165 100
63 41.6 44.6 67.0#
89 80.0 63.0 94.4
182 4.7 1.5 2.3#





#58

Fluorene

Concen: 4.366 ng

RT: 15.525 min Scan# 2117

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

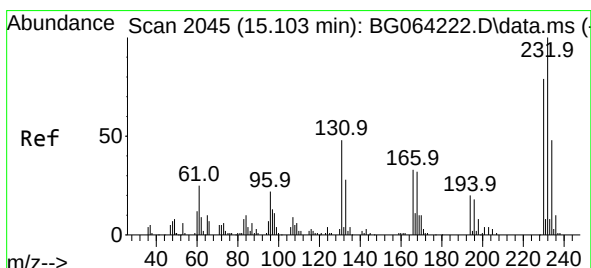
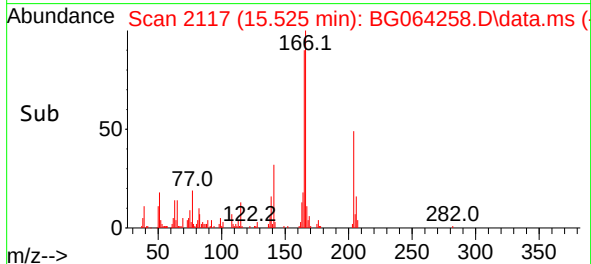
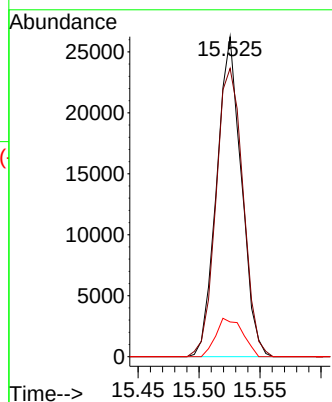
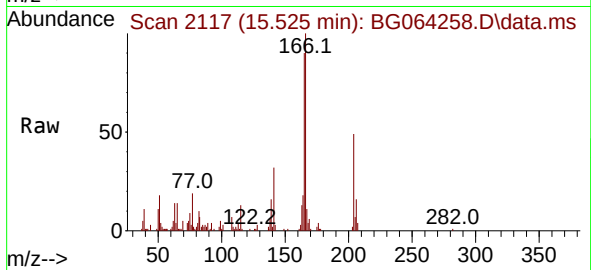
Tgt Ion:166 Resp: 36993

Ion Ratio Lower Upper

166 100

165 90.1 79.1 118.7

167 10.9 10.2 15.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.152 ng

RT: 15.102 min Scan# 2045

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Tgt Ion:232 Resp: 9613

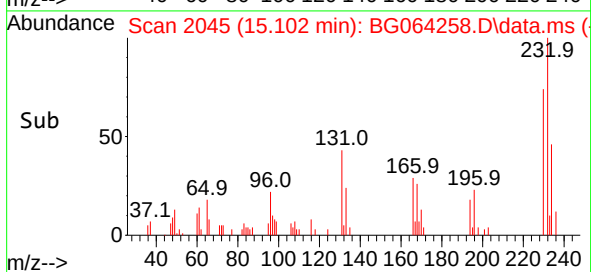
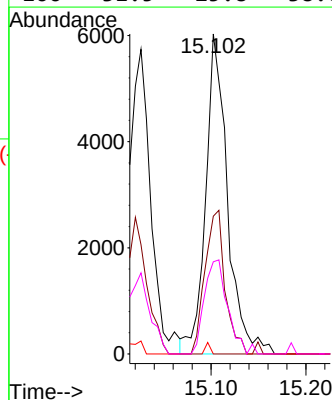
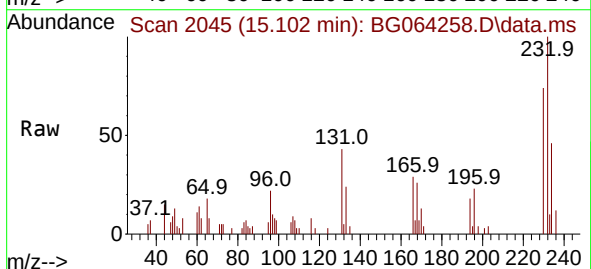
Ion Ratio Lower Upper

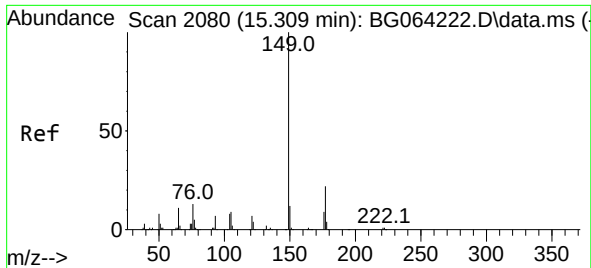
232 100

131 41.5 37.1 55.7

130 0.8 2.6 3.8#

166 31.5 25.8 38.6

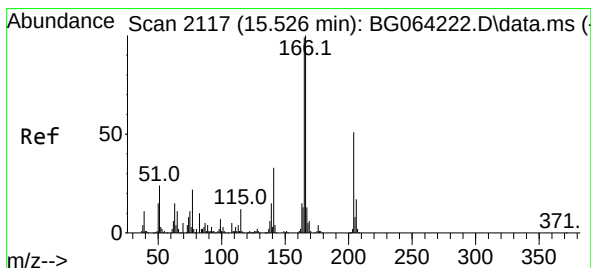
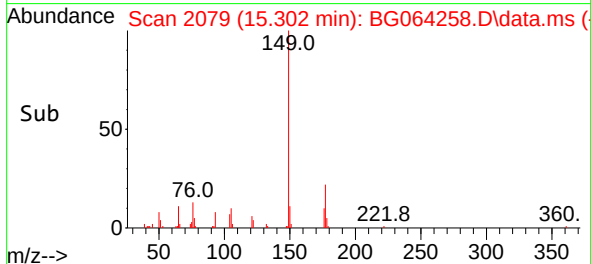
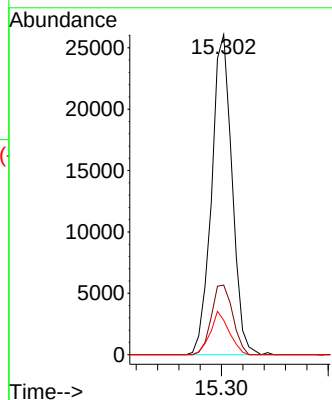
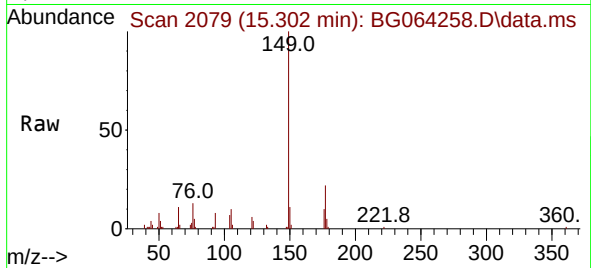




#60
Diethylphthalate
Concen: 3.723 ng
RT: 15.302 min Scan# 2080
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

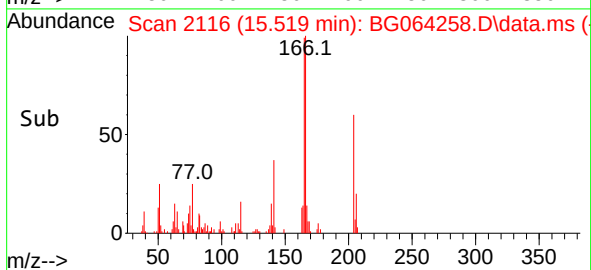
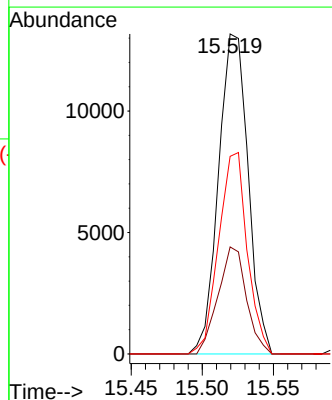
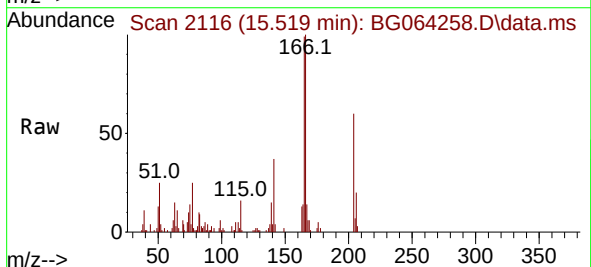
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

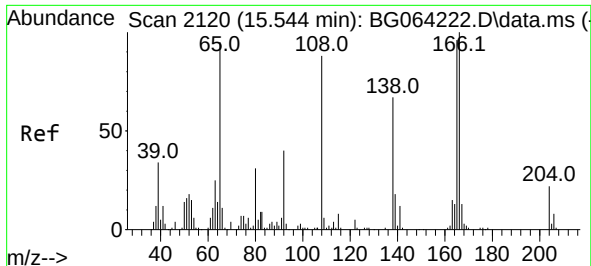
Tgt Ion:149 Resp: 34703
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 10.7 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 4.517 ng
RT: 15.519 min Scan# 2116
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:204 Resp: 19084
Ion Ratio Lower Upper
204 100
206 33.5 26.2 39.4
141 61.8 51.9 77.9

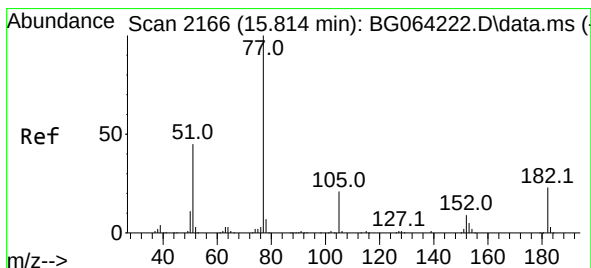
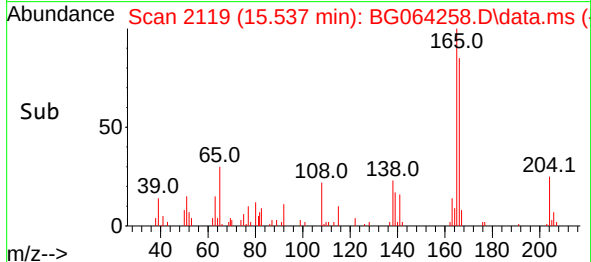
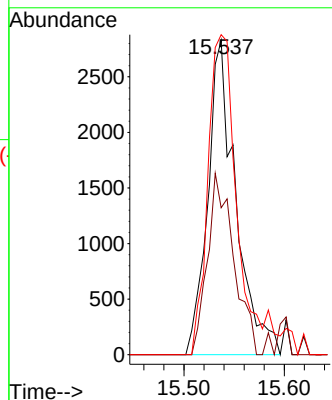
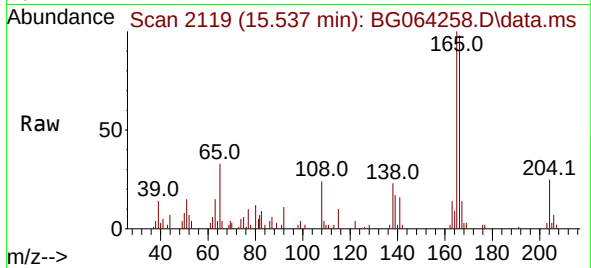




#62
4-Nitroaniline
Concen: 3.047 ng
RT: 15.537 min Scan# 2119
Delta R.T. -0.019 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

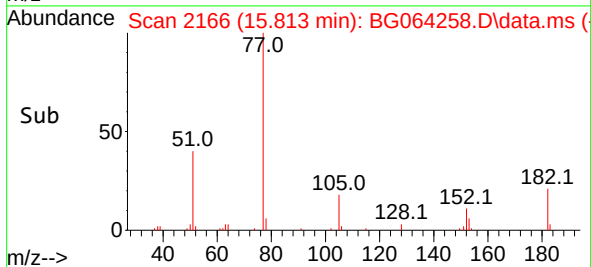
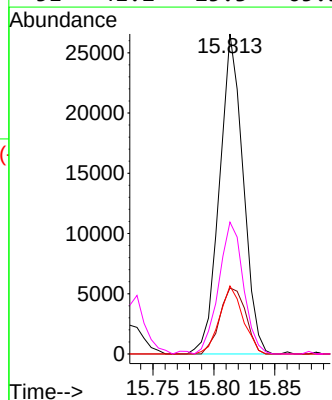
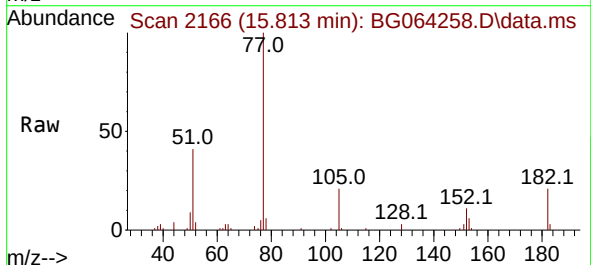
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

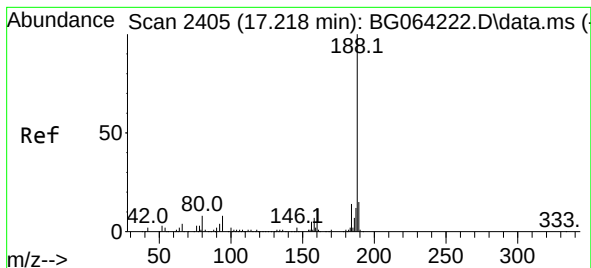
Tgt Ion:138 Resp: 5491
Ion Ratio Lower Upper
138 100
92 46.7 39.1 79.1
108 101.8 111.3 151.3#



#63
Azobenzene
Concen: 4.309 ng
RT: 15.813 min Scan# 2166
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion: 77 Resp: 35798
Ion Ratio Lower Upper
77 100
182 20.7 3.3 43.3
105 21.3 0.6 40.6
51 41.2 25.3 65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.218 min Scan# 2405

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

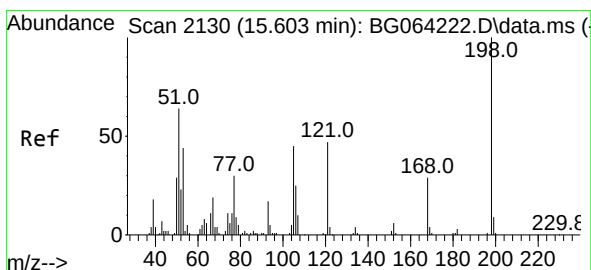
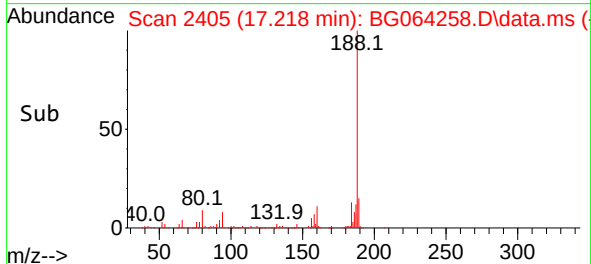
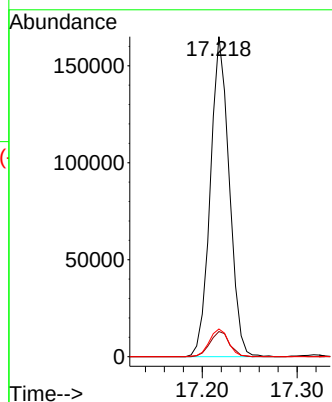
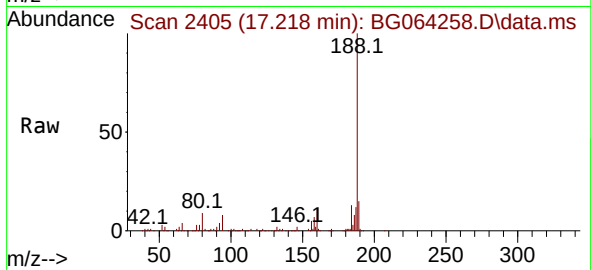
Tgt Ion:188 Resp: 228655

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.4

80 8.6 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 3.504 ng

RT: 15.602 min Scan# 2130

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

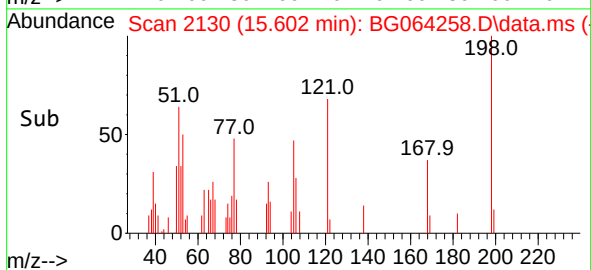
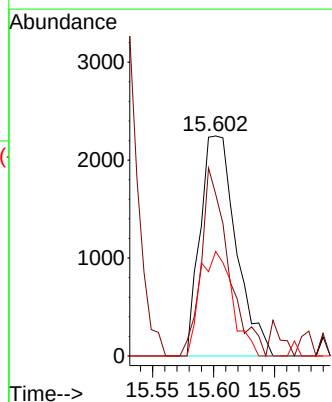
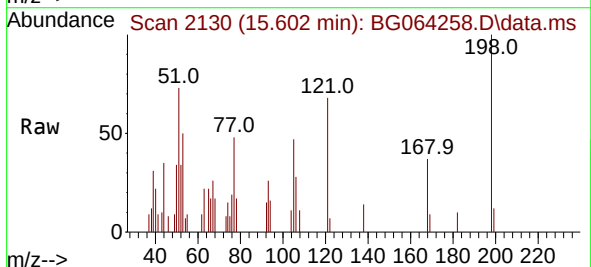
Tgt Ion:198 Resp: 4600

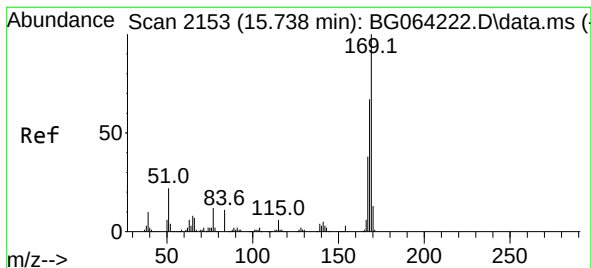
Ion Ratio Lower Upper

198 100

51 73.5 46.2 86.2

105 47.5 25.0 65.0





#66

n-Nitrosodiphenylamine

Concen: 4.854 ng

RT: 15.731 min Scan# 2153

Delta R.T. -0.013 min

Lab File: BG064258.D

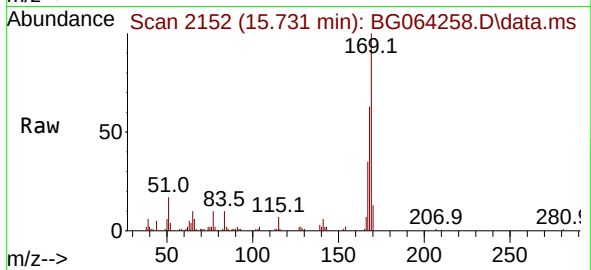
Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



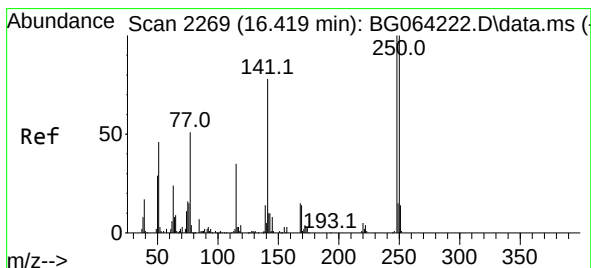
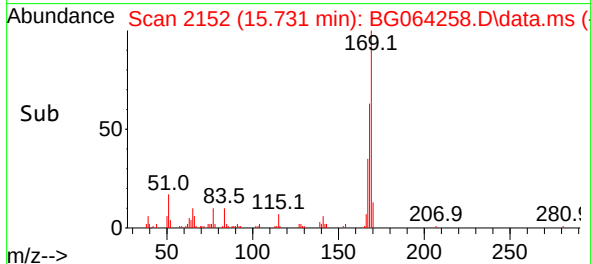
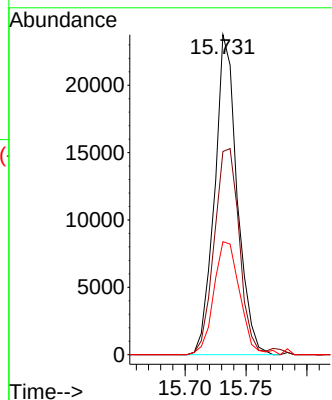
Tgt Ion:169 Resp: 30535

Ion Ratio Lower Upper

169 100

168 63.5 53.8 80.8

167 35.3 30.2 45.2



#67

4-Bromophenyl-phenylether

Concen: 4.925 ng

RT: 16.413 min Scan# 2268

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

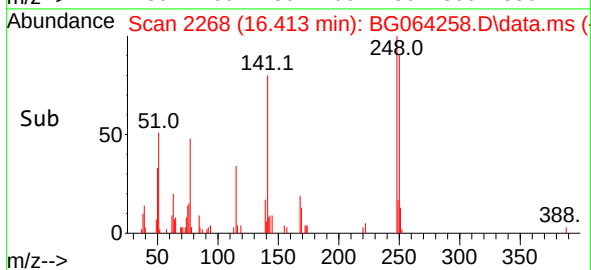
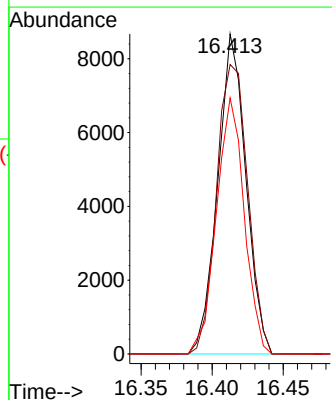
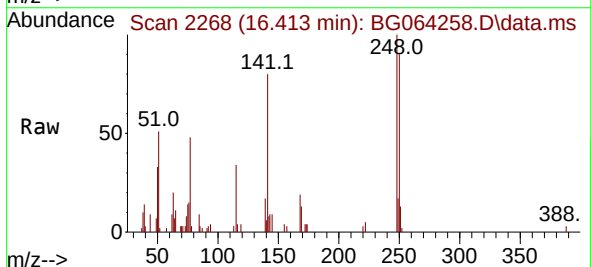
Tgt Ion:248 Resp: 11960

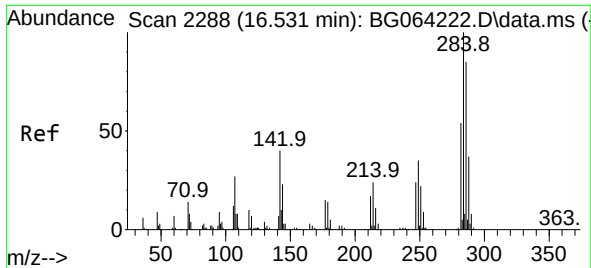
Ion Ratio Lower Upper

248 100

250 90.4 80.2 120.4

141 80.0 62.4 93.6

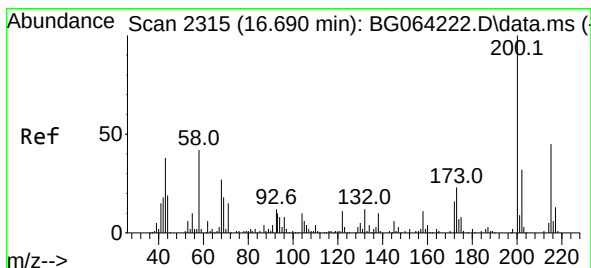
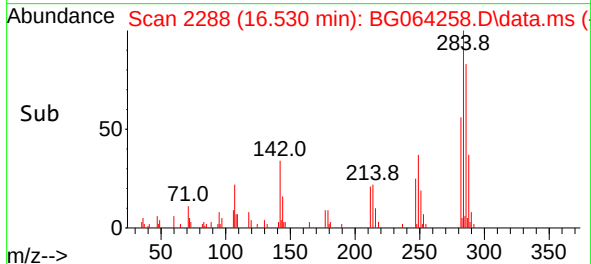
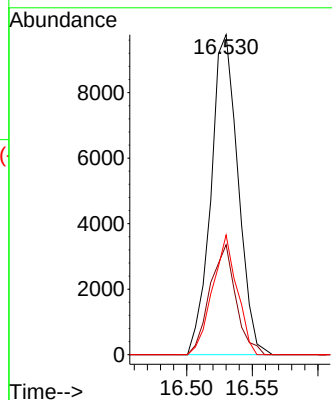
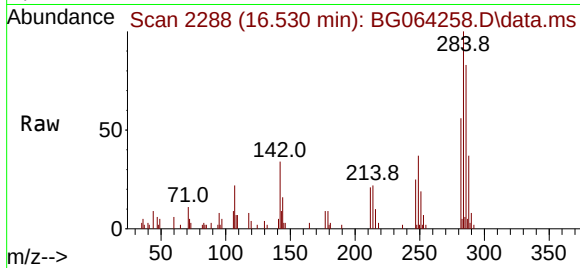




#68
Hexachlorobenzene
Concen: 5.195 ng
RT: 16.530 min Scan# 211
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

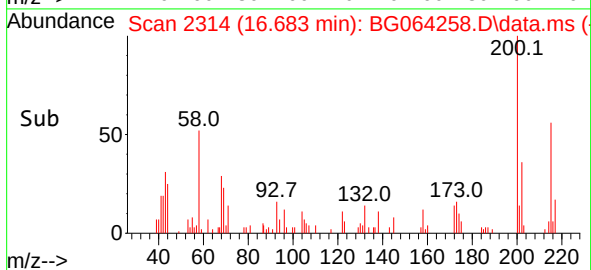
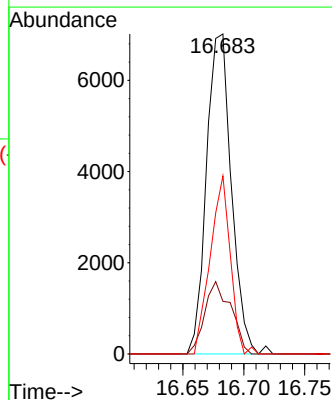
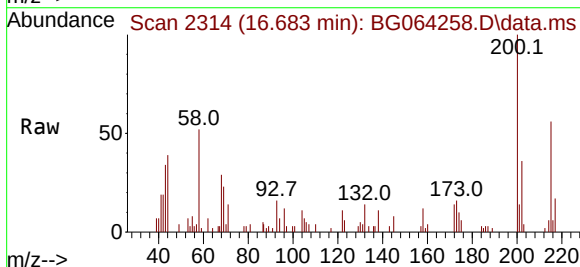
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

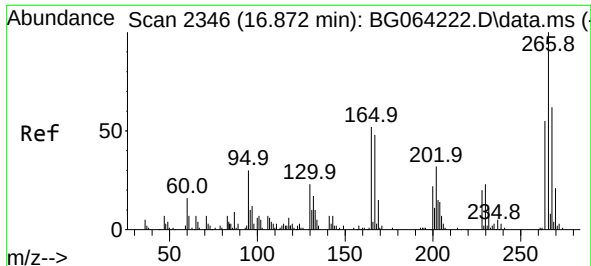
Tgt Ion:284	Resp:	14011
Ion Ratio	Lower	Upper
284	100	
142	34.3	32.1 48.1
249	37.4	28.3 42.5



#69
Atrazine
Concen: 3.806 ng
RT: 16.683 min Scan# 2314
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

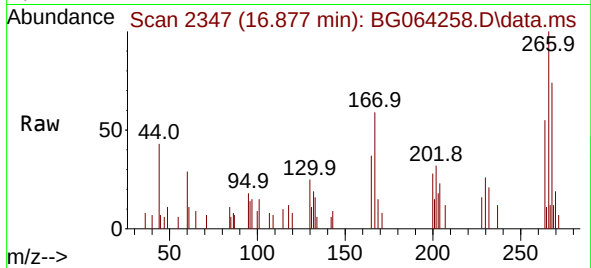
Tgt Ion:200	Resp:	9997
Ion Ratio	Lower	Upper
200	100	
173	16.4	3.5 43.5
215	55.7	24.8 64.8



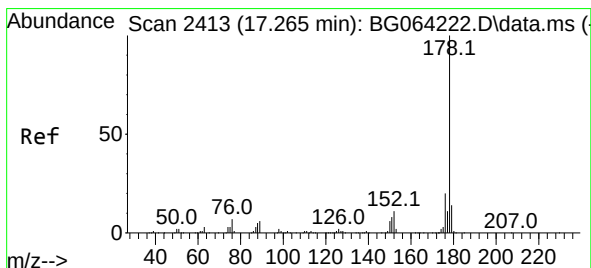
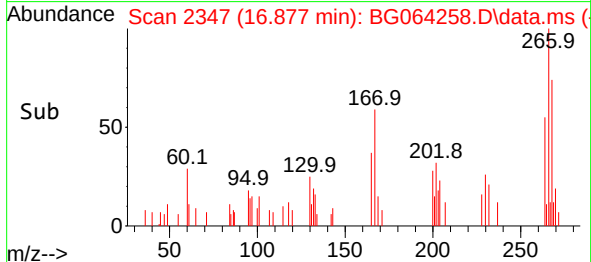
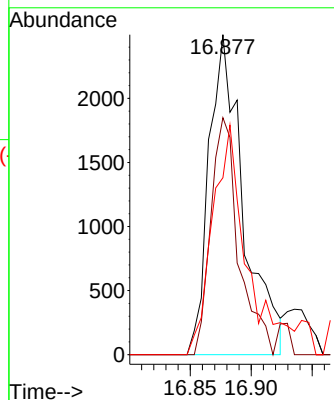


#70
 Pentachlorophenol
 Concen: 2.995 ng
 RT: 16.877 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

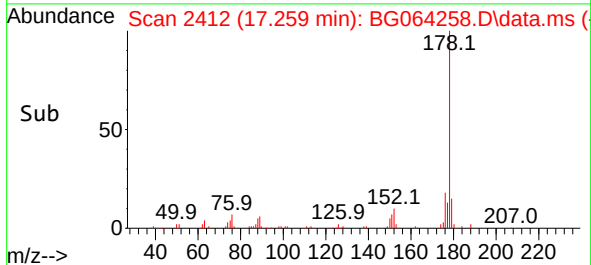
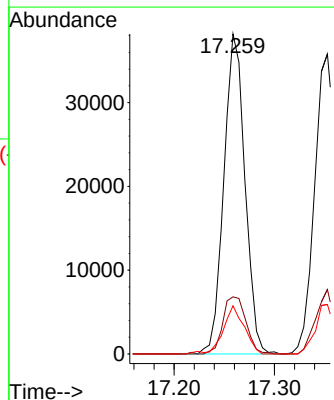
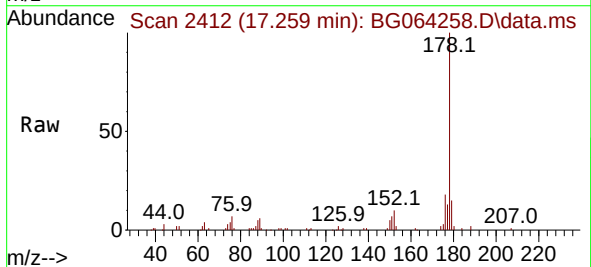


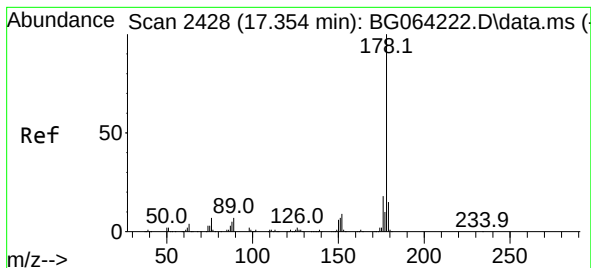
Tgt Ion:266 Resp: 4898
 Ion Ratio Lower Upper
 266 100
 268 86.0 49.4 74.0#
 264 66.2 44.3 66.5



#71
 Phenanthrene
 Concen: 4.615 ng
 RT: 17.259 min Scan# 2412
 Delta R.T. -0.007 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

Tgt Ion:178 Resp: 55660
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.9 23.9
 179 15.1 11.4 17.2





#72

Anthracene

Concen: 4.499 ng

RT: 17.353 min Scan# 2428

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

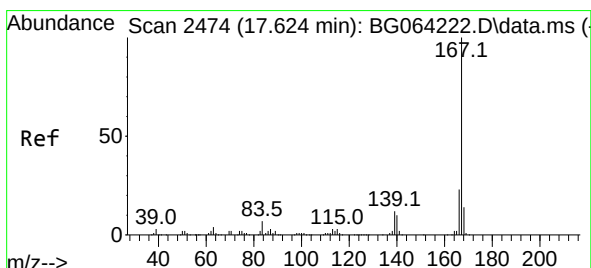
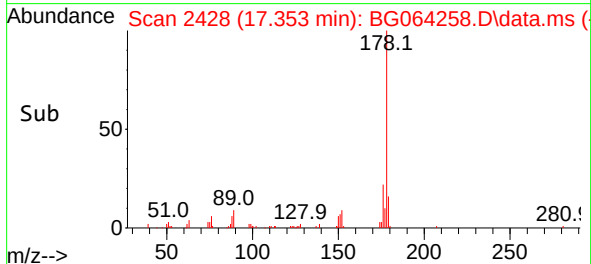
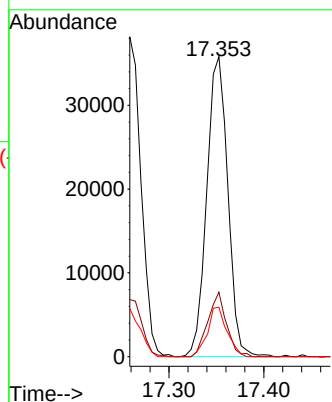
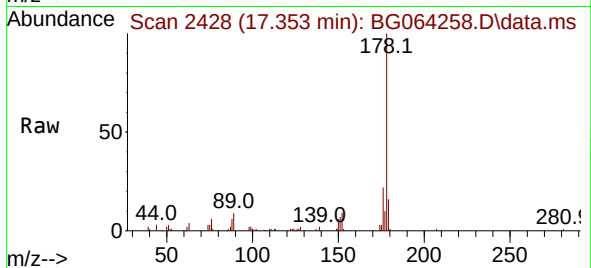
Tgt Ion:178 Resp: 55189

Ion Ratio Lower Upper

178 100

176 21.5 14.7 22.1

179 16.5 12.1 18.1



#73

Carbazole

Concen: 4.161 ng

RT: 17.623 min Scan# 2474

Delta R.T. -0.001 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

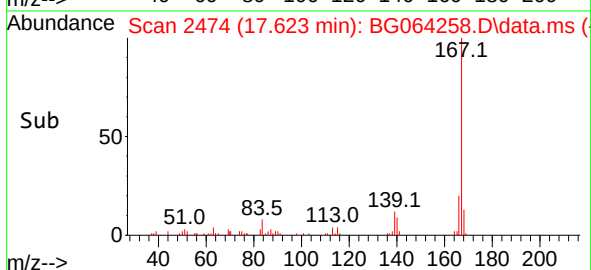
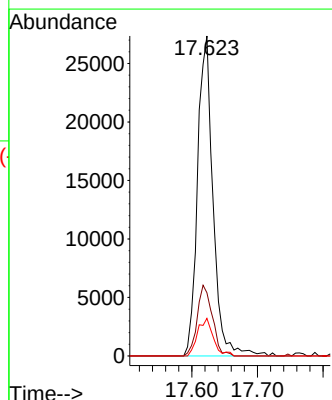
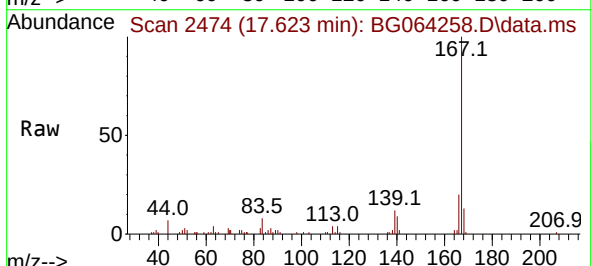
Tgt Ion:167 Resp: 44969

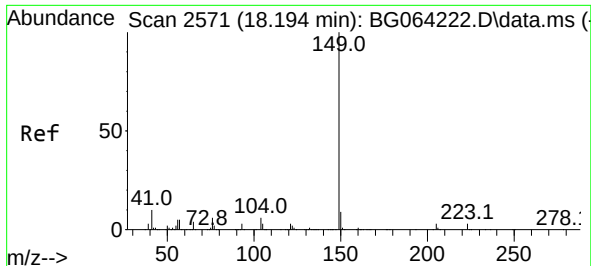
Ion Ratio Lower Upper

167 100

166 19.8 18.2 27.2

139 11.8 9.8 14.6

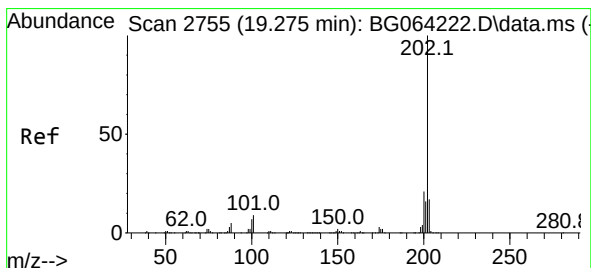
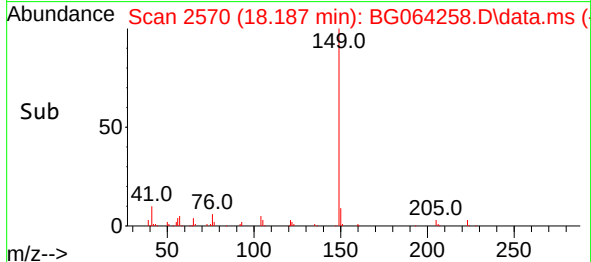
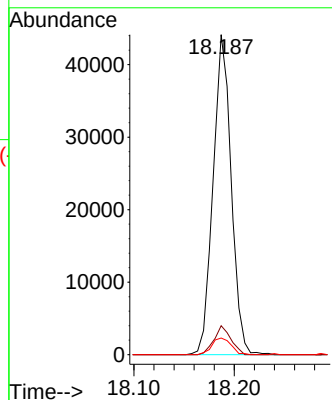
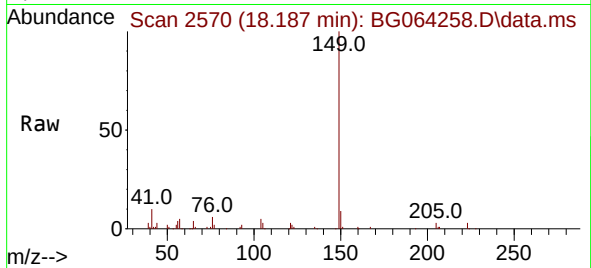




#74
Di-n-butylphthalate
Concen: 4.253 ng
RT: 18.187 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

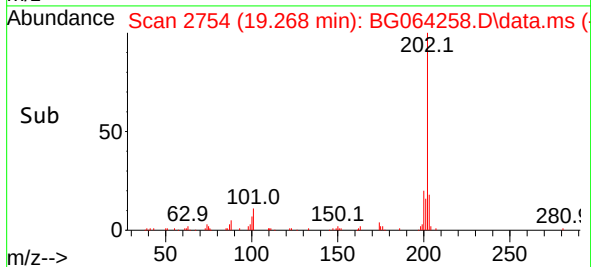
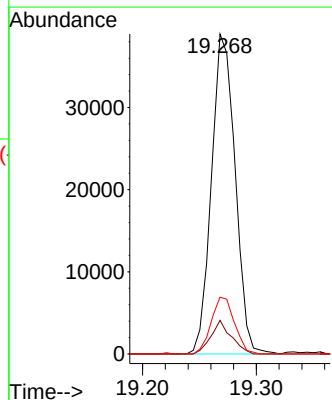
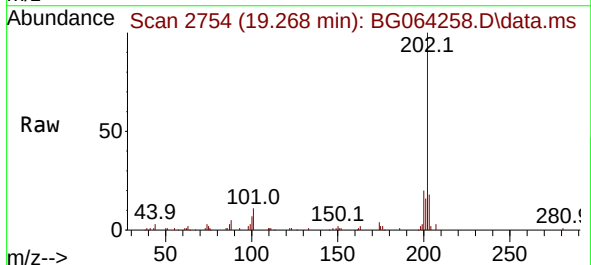
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

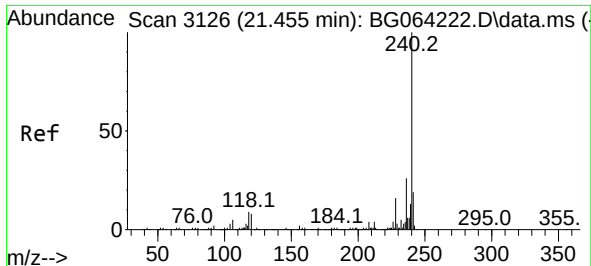
Tgt Ion:149 Resp: 55220
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 5.2 4.6 7.0



#75
Fluoranthene
Concen: 3.970 ng
RT: 19.268 min Scan# 2754
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:202 Resp: 56296
Ion Ratio Lower Upper
202 100
101 10.5 0.0 28.7
203 17.7 0.0 36.9

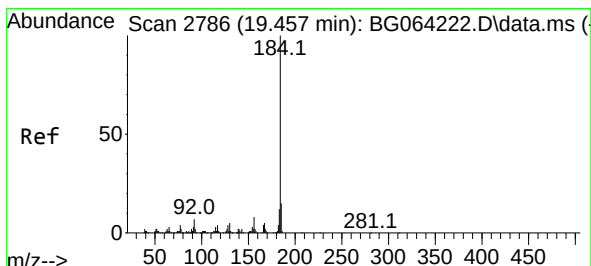
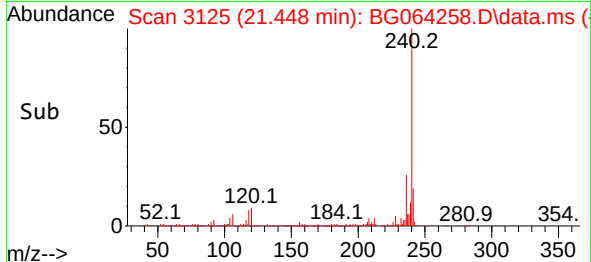
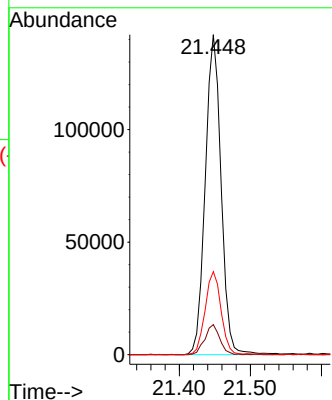
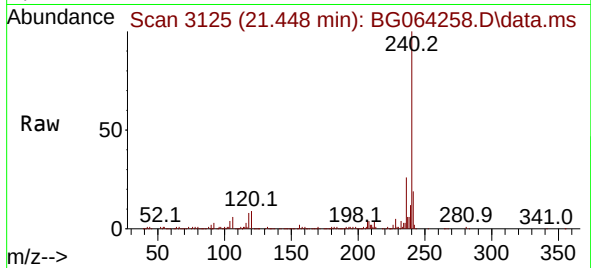




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

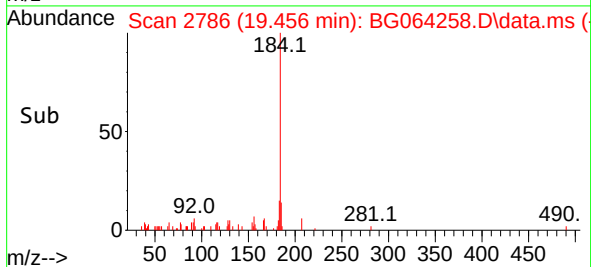
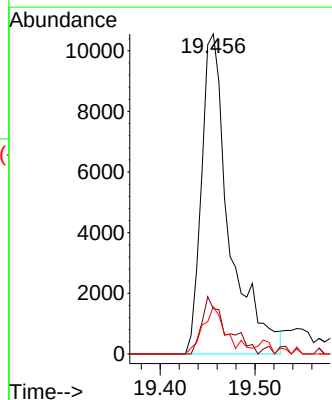
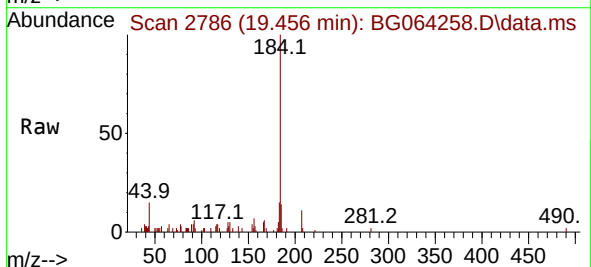
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

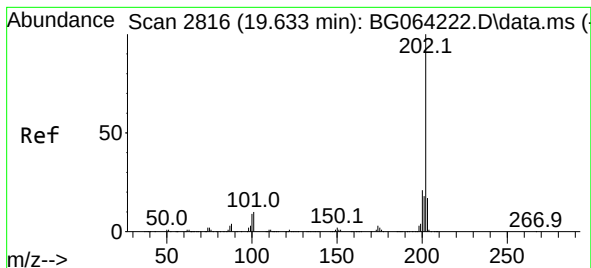
Tgt Ion:240 Resp: 220078
Ion Ratio Lower Upper
240 100
120 9.4 6.2 9.4#
236 25.9 20.5 30.7



#77
Benzidine
Concen: 4.641 ng
RT: 19.456 min Scan# 2786
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:184 Resp: 21488
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 14.8 9.7 14.5#





#78

Pyrene

Concen: 4.232 ng

RT: 19.632 min Scan# 2816

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

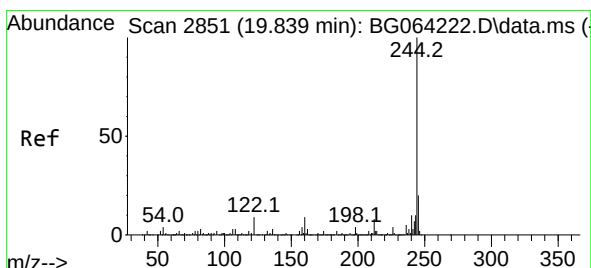
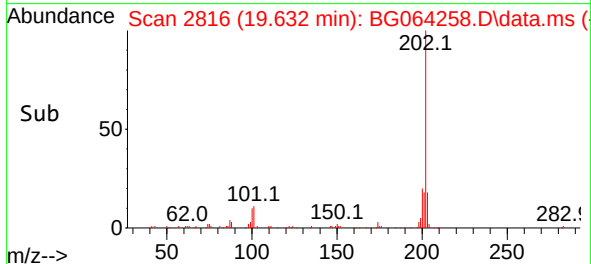
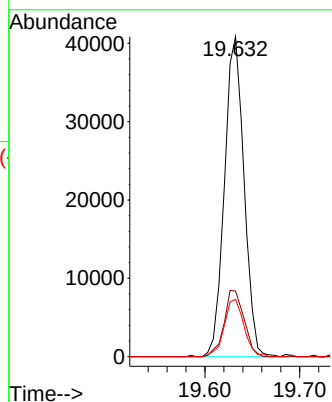
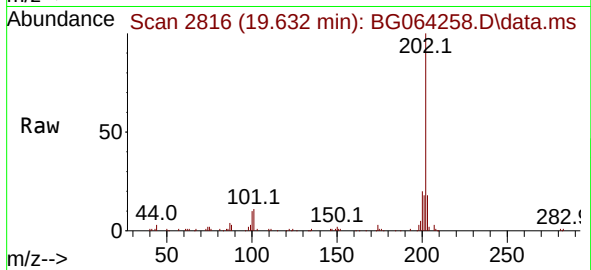
Tgt Ion:202 Resp: 58673

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.9 13.8 20.8



#79

Terphenyl-d14

Concen: 102.983 ng

RT: 19.838 min Scan# 2851

Delta R.T. -0.007 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

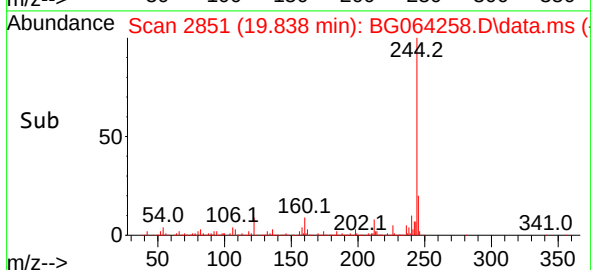
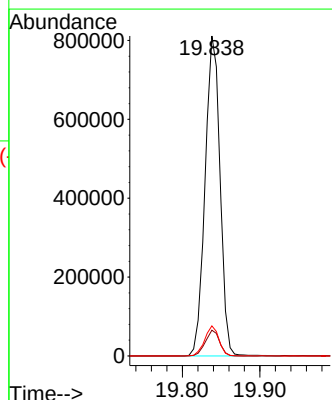
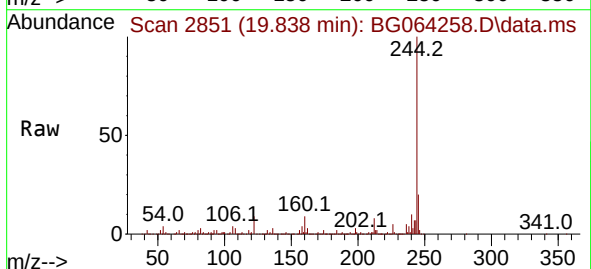
Tgt Ion:244 Resp: 1086309

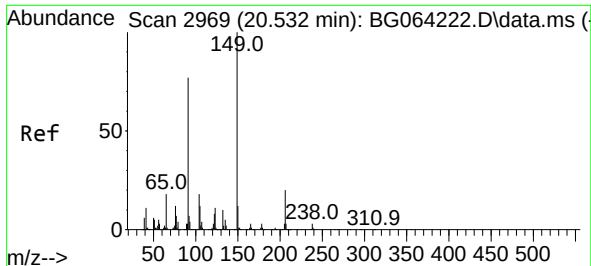
Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

122 9.4 7.0 10.6

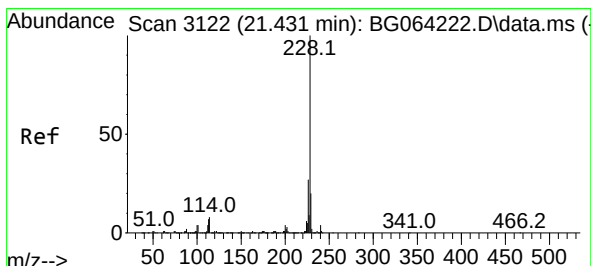
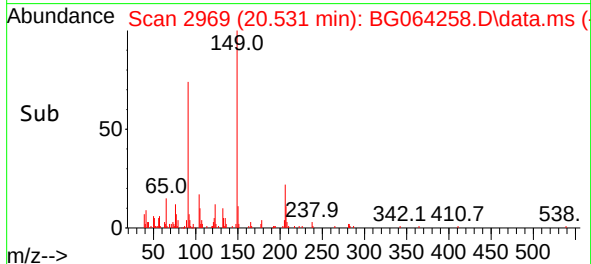
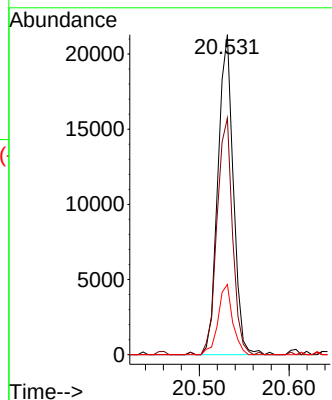
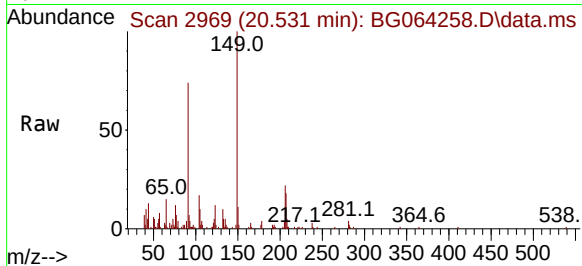




#80
Butylbenzylphthalate
Concen: 4.856 ng
RT: 20.531 min Scan# 2969
Delta R.T. -0.001 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

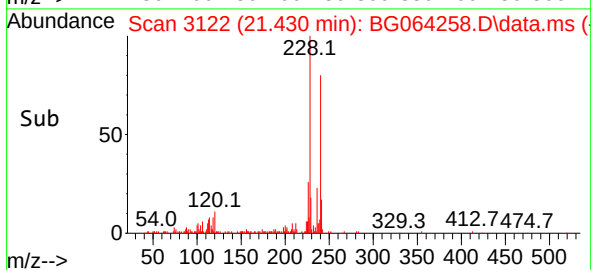
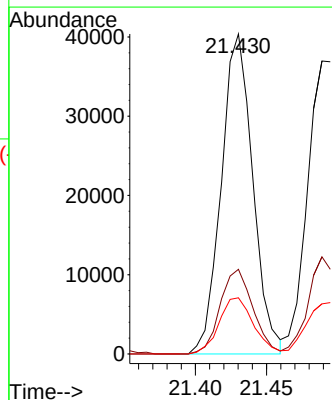
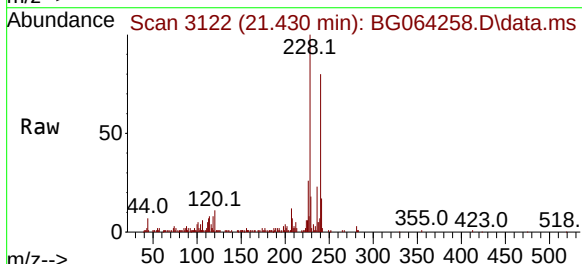
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

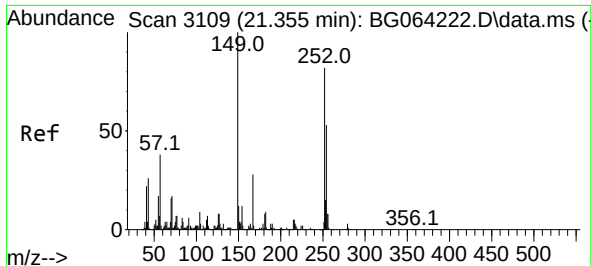
Tgt Ion:149 Resp: 25393
Ion Ratio Lower Upper
149 100
91 73.9 61.4 92.0
206 21.9 15.8 23.6



#81
Benzo(a)anthracene
Concen: 4.429 ng
RT: 21.430 min Scan# 3122
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:228 Resp: 62352
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 17.6 15.9 23.9

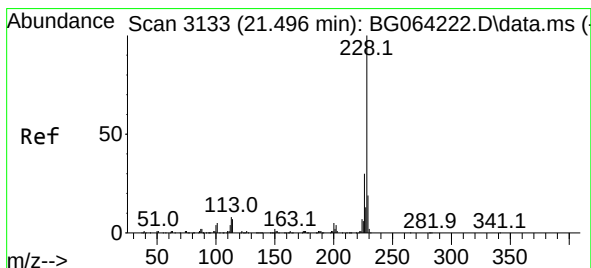
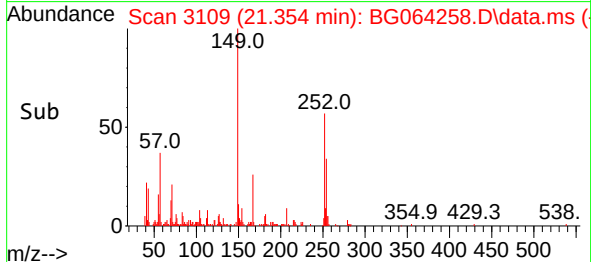
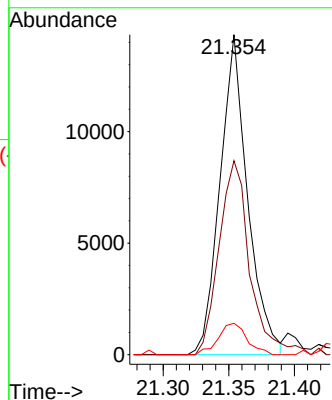
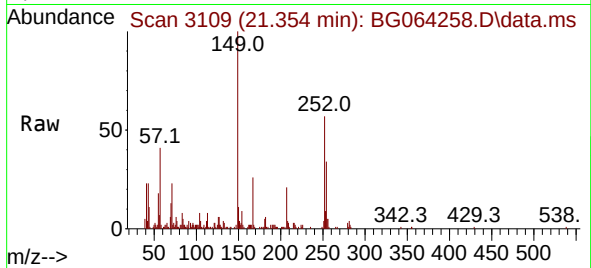




#82
3,3'-Dichlorobenzidine
Concen: 4.574 ng
RT: 21.354 min Scan# 3109
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

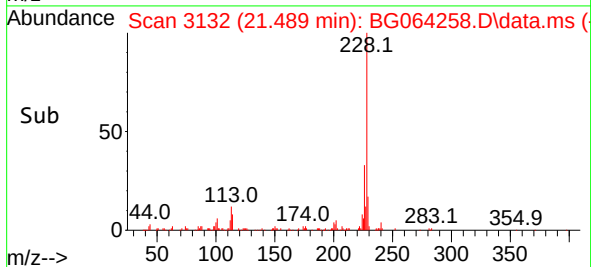
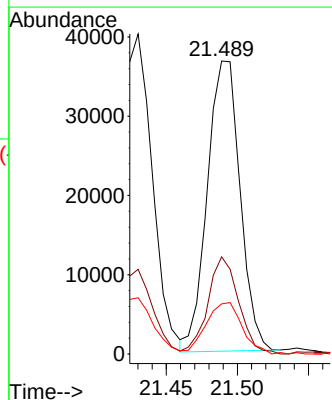
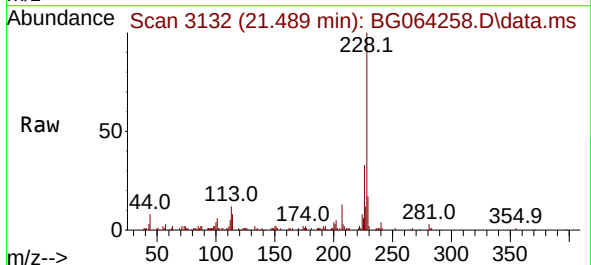
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

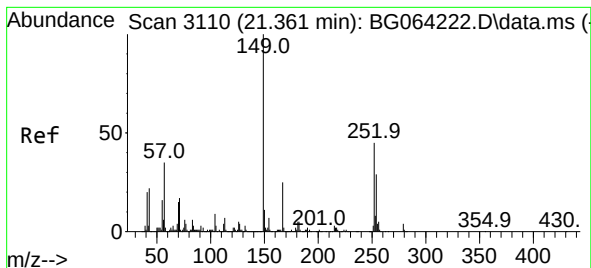
Tgt Ion:252 Resp: 20973
Ion Ratio Lower Upper
252 100
254 60.6 51.9 77.9
126 9.8 7.6 11.4



#83
Chrysene
Concen: 4.346 ng
RT: 21.489 min Scan# 3132
Delta R.T. -0.013 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:228 Resp: 58751
Ion Ratio Lower Upper
228 100
226 33.2 24.2 36.2
229 17.1 15.4 23.2

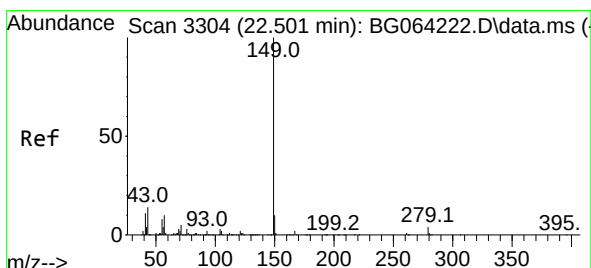
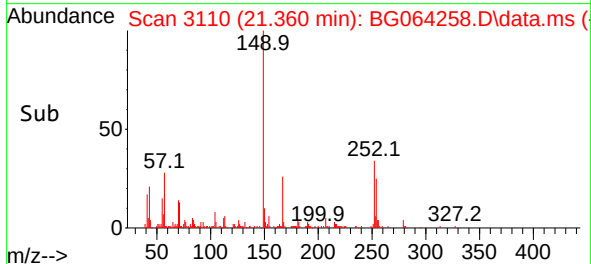
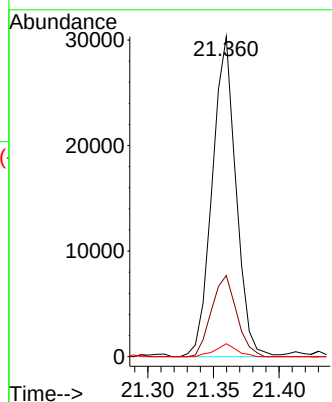
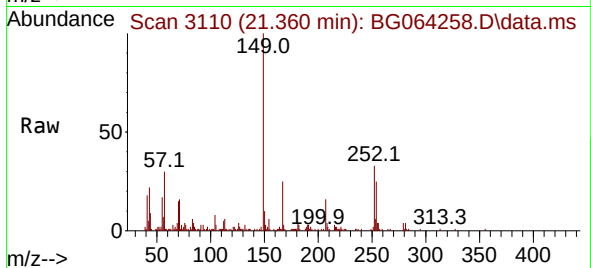




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.856 ng
 RT: 21.360 min Scan# 3110
 Delta R.T. -0.007 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

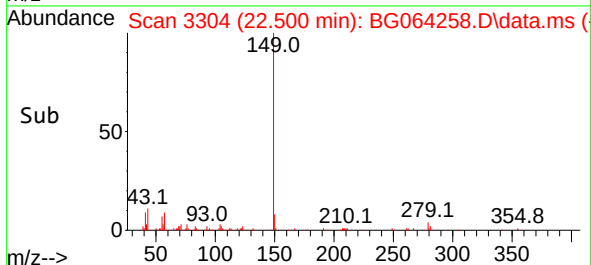
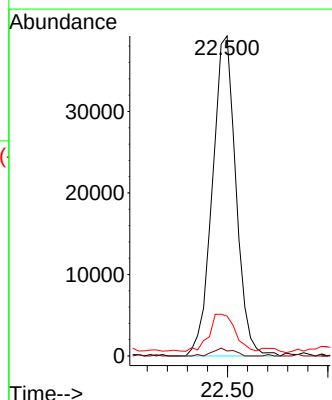
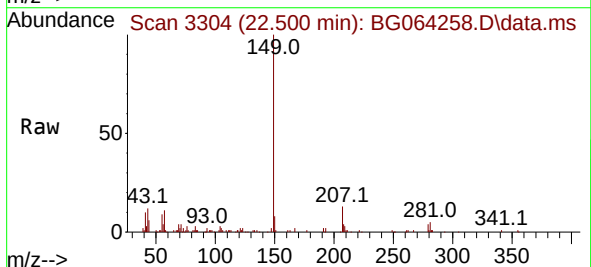
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

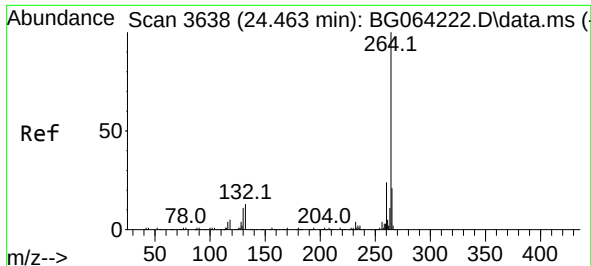
Tgt Ion:149 Resp: 38129
 Ion Ratio Lower Upper
 149 100
 167 25.4 20.0 30.0
 279 4.1 3.0 4.4



#85
 Di-n-octyl phthalate
 Concen: 4.674 ng
 RT: 22.500 min Scan# 3304
 Delta R.T. -0.007 min
 Lab File: BG064258.D
 Acq: 3 Sep 2025 17:49

Tgt Ion:149 Resp: 63938
 Ion Ratio Lower Upper
 149 100
 167 2.1 1.3 1.9#
 43 12.6 10.8 16.2



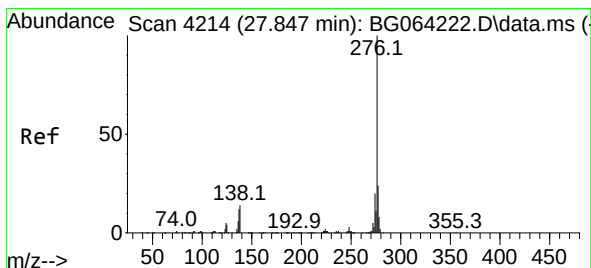
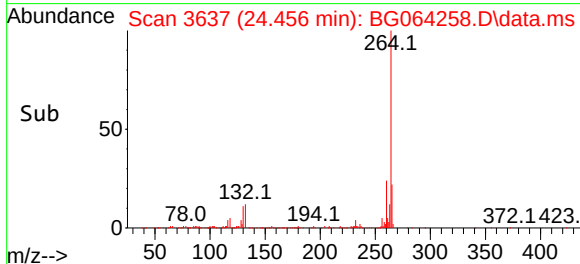
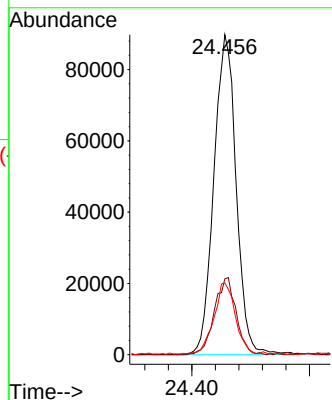
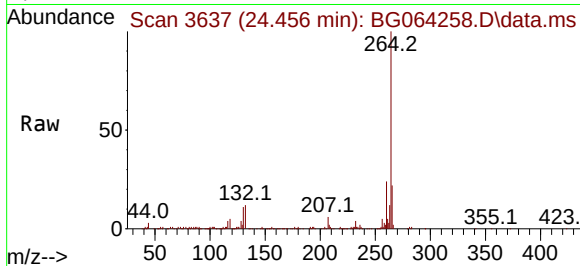


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 30
Delta R.T. -0.007 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:264 Resp: 235637

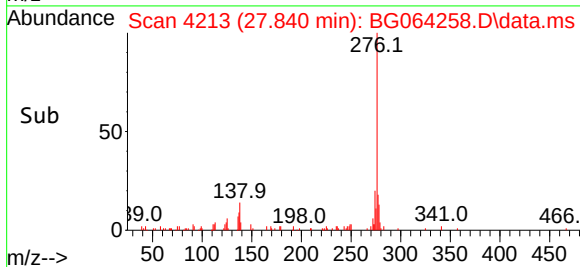
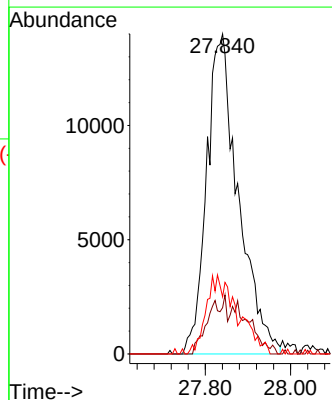
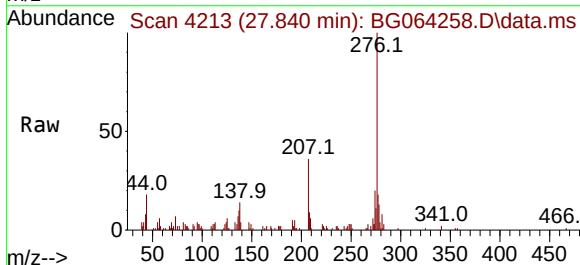
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.4	16.7	25.1

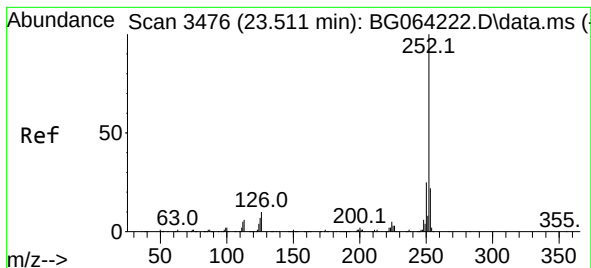


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.479 ng
RT: 27.840 min Scan# 4213
Delta R.T. -0.031 min
Lab File: BG064258.D
Acq: 3 Sep 2025 17:49

Tgt Ion:276 Resp: 72072

Ion	Ratio	Lower	Upper
276	100		
138	7.4	7.4	11.0
277	12.2	20.5	30.7





#88

Benzo(b)fluoranthene

Concen: 4.619 ng

RT: 23.504 min Scan# 3475

Delta R.T. -0.013 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

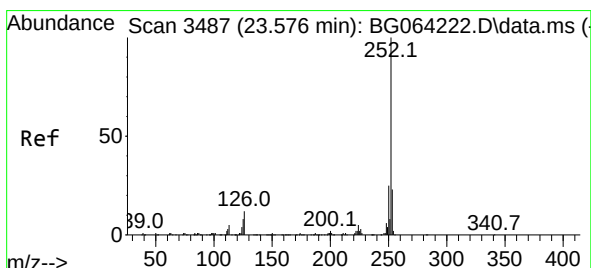
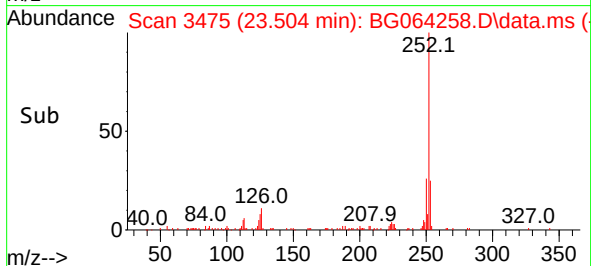
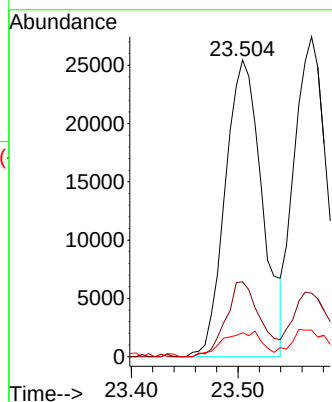
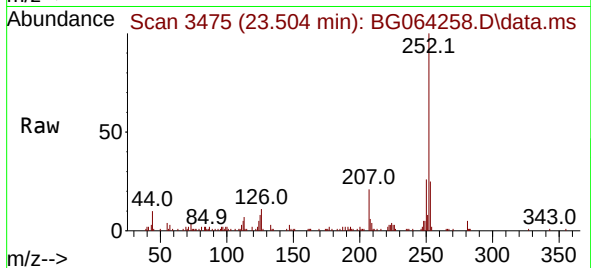
Tgt Ion:252 Resp: 61426

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 8.0 5.9 8.9



#89

Benzo(k)fluoranthene

Concen: 4.168 ng

RT: 23.569 min Scan# 3486

Delta R.T. -0.019 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

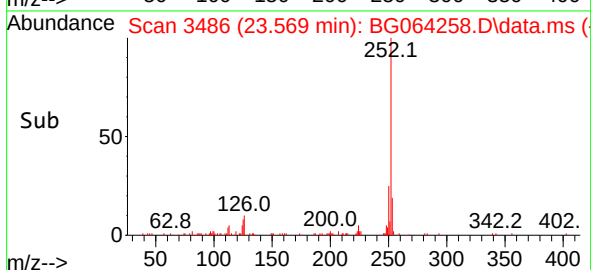
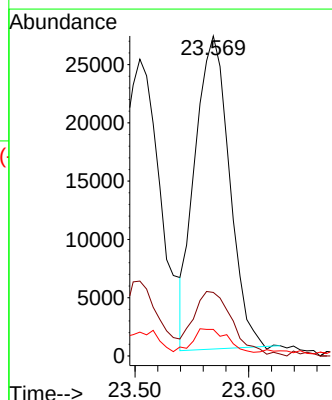
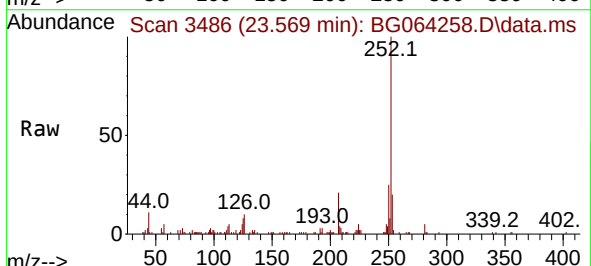
Tgt Ion:252 Resp: 56472

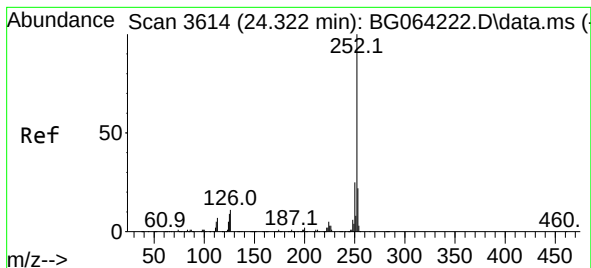
Ion Ratio Lower Upper

252 100

253 19.8 18.2 27.4

125 8.3 7.0 10.4





#90

Benzo(a)pyrene

Concen: 4.709 ng

RT: 24.315 min Scan# 3

Delta R.T. -0.013 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

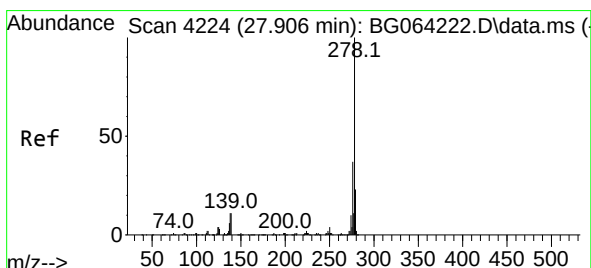
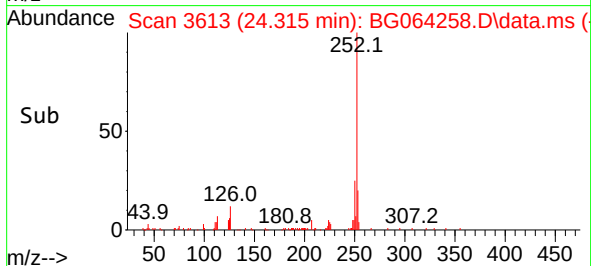
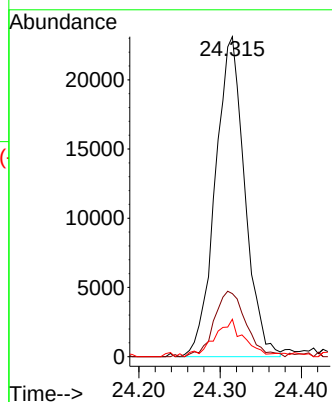
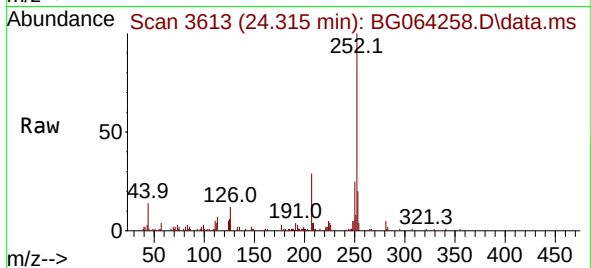
Tgt Ion:252 Resp: 58255

Ion Ratio Lower Upper

252 100

253 19.7 17.4 26.2

125 11.7 7.0 10.6#



#91

Dibenzo(a,h)anthracene

Concen: 4.426 ng

RT: 27.899 min Scan# 4223

Delta R.T. -0.025 min

Lab File: BG064258.D

Acq: 3 Sep 2025 17:49

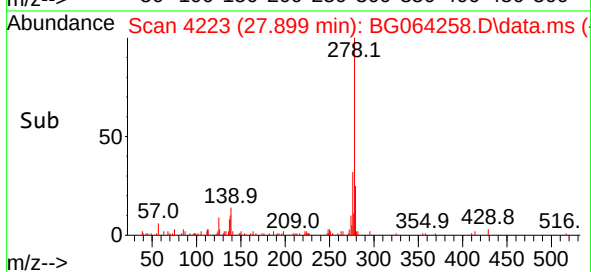
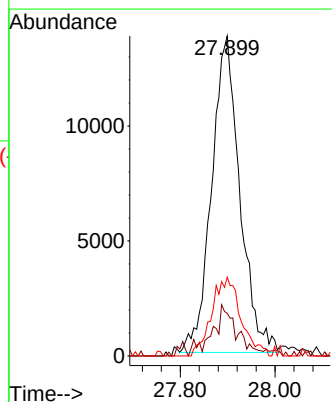
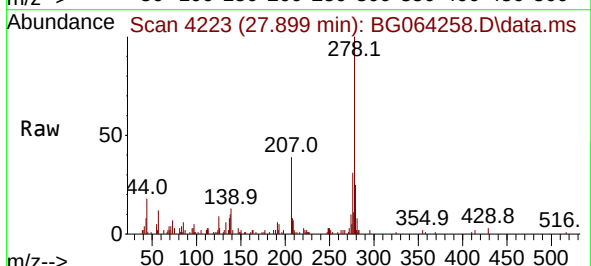
Tgt Ion:278 Resp: 57185

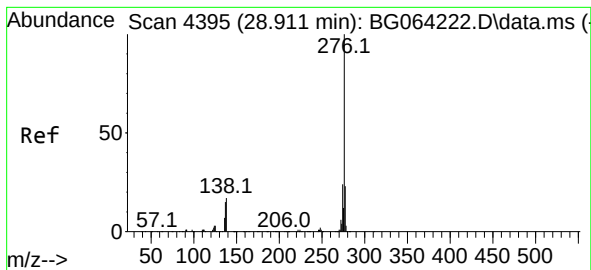
Ion Ratio Lower Upper

278 100

139 13.3 9.0 13.4

279 24.6 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 4.548 ng

RT: 28.874 min Scan# 41

Delta R.T. -0.060 min

Lab File: BG064258.D

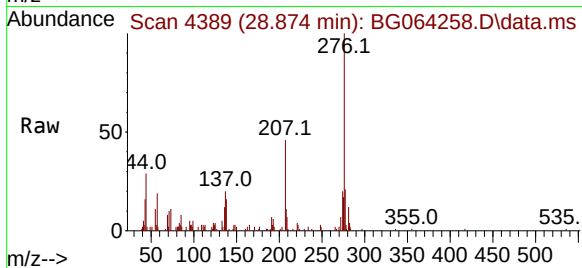
Acq: 3 Sep 2025 17:49

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:276 Resp: 57176

Ion Ratio Lower Upper

276 100

277 21.2 18.2 27.4

138 16.5 13.3 19.9

