

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064259.D
 Acq On : 3 Sep 2025 18:30
 Operator : RC/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 04 01:12:58 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	7.856	152	36950	20.000	ng	0.00
21) Naphthalene-d8	10.641	136	165439	20.000	ng	# 0.00
39) Acenaphthene-d10	14.478	164	110383	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	225818	20.000	ng	0.00
76) Chrysene-d12	21.446	240	240804	20.000	ng	0.00
86) Perylene-d12	24.455	264	254292	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.442	112	290067	140.841	ng	0.00
7) Phenol-d6	7.028	99	418541	147.923	ng	0.00
23) Nitrobenzene-d5	9.008	82	307302	103.593	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	199896	136.721	ng	0.00
45) 2-Fluorobiphenyl	13.103	172	737095	101.924	ng	0.00
79) Terphenyl-d14	19.842	244	1192380	103.309	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.362	88	7953	9.265	ng	92
3) Pyridine	3.749	79	22219	8.793	ng	# 51
4) n-Nitrosodimethylamine	3.661	42	13754	8.229	ng	# 99
6) Aniline	7.187	93	35654	9.112	ng	99
8) 2-Chlorophenol	7.422	128	22640	8.996	ng	95
9) Benzaldehyde	6.993	77	20561	8.830	ng	92
10) Phenol	7.051	94	27976	8.968	ng	91
11) bis(2-Chloroethyl)ether	7.281	93	21040	8.976	ng	95
12) 1,3-Dichlorobenzene	7.745	146	24317	9.082	ng	94
13) 1,4-Dichlorobenzene	7.886	146	24675	9.132	ng	88
14) 1,2-Dichlorobenzene	8.209	146	23742	9.104	ng	95
15) Benzyl Alcohol	8.086	79	21231	8.131	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.373	45	43803	8.185	ng	96
17) 2-Methylphenol	8.291	107	19462	8.371	ng	# 84
18) Hexachloroethane	8.932	117	9497	9.004	ng	# 89
19) n-Nitroso-di-n-propyla...	8.656	70	20065	9.266	ng	95
20) 3+4-Methylphenols	8.620	107	26441	8.185	ng	95
22) Acetophenone	8.667	105	37548	8.971	ng	95
24) Nitrobenzene	9.049	77	29135	9.400	ng	90
25) Isophorone	9.572	82	55154	8.946	ng	# 95
26) 2-Nitrophenol	9.760	139	12319	9.199	ng	95
27) 2,4-Dimethylphenol	9.819	122	19817	8.428	ng	91
28) bis(2-Chloroethoxy)met...	10.054	93	29826	8.972	ng	# 91
29) 2,4-Dichlorophenol	10.289	162	21676	8.737	ng	92
30) 1,2,4-Trichlorobenzene	10.506	180	25212	9.638	ng	99
31) Naphthalene	10.694	128	74644	8.701	ng	99
32) Benzoic acid	9.919	122	8531	4.571	ng	98
33) 4-Chloroaniline	10.800	127	30751	9.248	ng	95
34) Hexachlorobutadiene	10.988	225	17701	9.154	ng	# 83
35) Caprolactam	11.546	113	6609	6.880	ng	# 81
36) 4-Chloro-3-methylphenol	11.922	107	26921	8.364	ng	# 91
37) 2-Methylnaphthalene	12.304	142	48503	7.606	ng	98
38) 1-Methylnaphthalene	12.522	142	53306	8.463	ng	96
40) 1,2,4,5-Tetrachloroben...	12.668	216	30263	9.502	ng	97
41) Hexachlorocyclopentadiene	12.657	237	15003	9.912	ng	98
43) 2,4,6-Trichlorophenol	12.909	196	19396	9.111	ng	95

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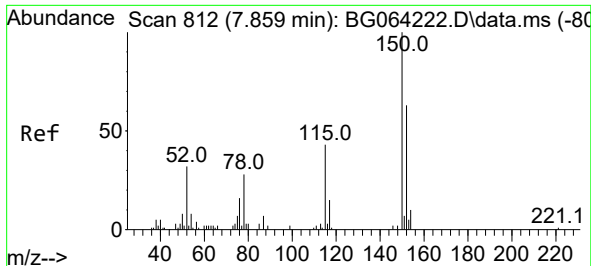
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	19680	8.522	ng	86
46) 1,1'-Biphenyl	13.315	154	76140	9.470	ng	98
47) 2-Chloronaphthalene	13.356	162	54107	8.952	ng	99
48) 2-Nitroaniline	13.556	65	17716	8.600	ng	85
49) Acenaphthylene	14.202	152	89303	9.995	ng	97
50) Dimethylphthalate	13.932	163	69490	8.317	ng	97
51) 2,6-Dinitrotoluene	14.049	165	14094	8.713	ng	94
52) Acenaphthene	14.543	154	52096	8.262	ng	95
53) 3-Nitroaniline	14.378	138	13127	7.748	ng	87
54) 2,4-Dinitrophenol	14.590	184	4933	9.990	ng	94
55) Dibenzofuran	14.878	168	87473	8.820	ng	97
56) 4-Nitrophenol	14.690	139	9281	6.678	ng	# 88
57) 2,4-Dinitrotoluene	14.836	165	19709	8.059	ng	# 98
58) Fluorene	15.524	166	69574	8.559	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.101	232	19127	8.612	ng	# 96
60) Diethylphthalate	15.301	149	69850	7.812	ng	98
61) 4-Chlorophenyl-phenyle...	15.518	204	35178	8.680	ng	97
62) 4-Nitroaniline	15.536	138	12894	7.458	ng	# 85
63) Azobenzene	15.812	77	67629	8.486	ng	97
65) 4,6-Dinitro-2-methylph...	15.600	198	10579	8.160	ng	88
66) n-Nitrosodiphenylamine	15.735	169	59342	9.553	ng	100
67) 4-Bromophenyl-phenylether	16.417	248	22769	9.493	ng	94
68) Hexachlorobenzene	16.529	284	25461	9.559	ng	96
69) Atrazine	16.681	200	23226	8.954	ng	95
70) Pentachlorophenol	16.875	266	13160	8.149	ng	91
71) Phenanthrene	17.263	178	105083	8.823	ng	96
72) Anthracene	17.351	178	106551	8.795	ng	98
73) Carbazole	17.616	167	97202	9.107	ng	97
74) Di-n-butylphthalate	18.186	149	120230	9.376	ng	99
75) Fluoranthene	19.272	202	126480	9.031	ng	99
77) Benzidine	19.455	184	52497	10.363	ng	97
78) Pyrene	19.631	202	132109	8.708	ng	97
80) Butylbenzylphthalate	20.530	149	54549	9.533	ng	95
81) Benzo(a)anthracene	21.429	228	137192	8.905	ng	97
82) 3,3'-Dichlorobenzidine	21.352	252	47761	9.519	ng	# 88
83) Chrysene	21.493	228	130377	8.815	ng	99
84) Bis(2-ethylhexyl)phtha...	21.358	149	81702	9.510	ng	97
85) Di-n-octyl phthalate	22.498	149	139199	9.299	ng	100
87) Indeno(1,2,3-cd)pyrene	27.839	276	157387	9.063	ng	98
88) Benzo(b)fluoranthene	23.503	252	131160	9.139	ng	98
89) Benzo(k)fluoranthene	23.567	252	127318	8.708	ng	98
90) Benzo(a)pyrene	24.308	252	127133	9.523	ng	97
91) Dibenzo(a,h)anthracene	27.892	278	126293	9.058	ng	94
92) Benzo(g,h,i)perylene	28.885	276	126916	9.354	ng	98

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

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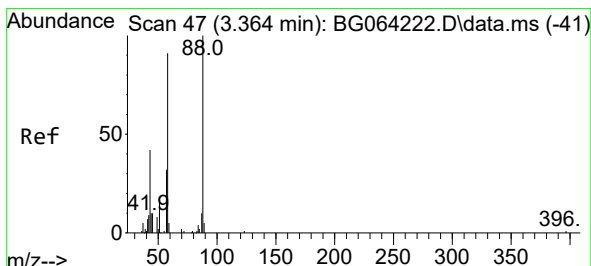
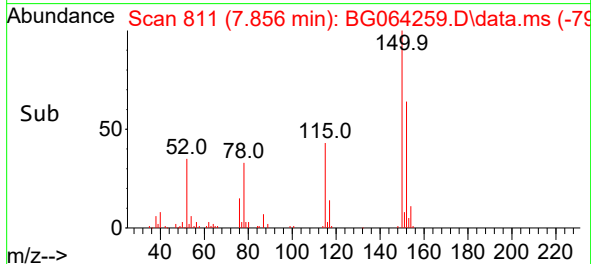
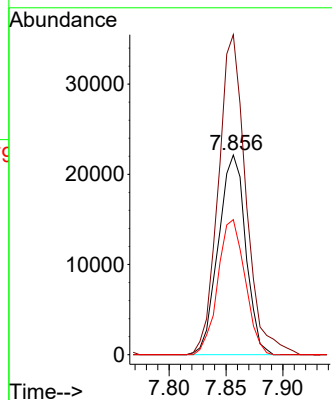
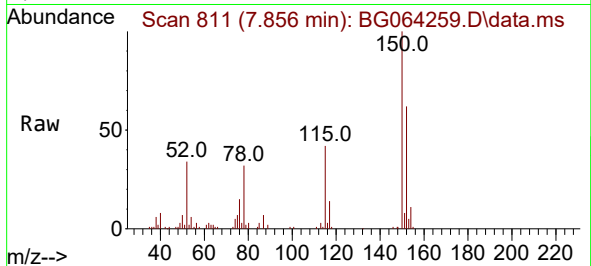
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.856 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

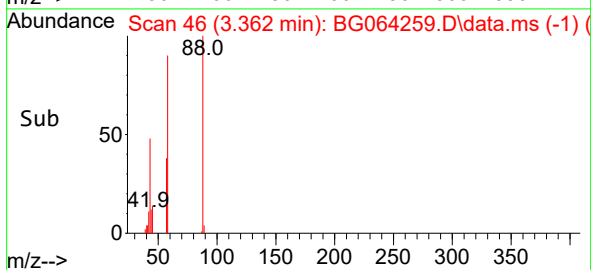
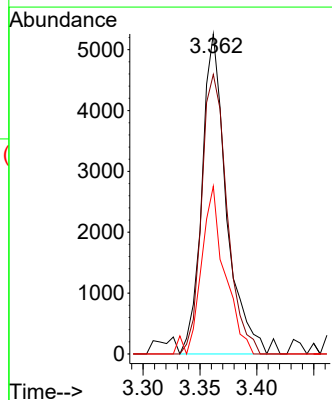
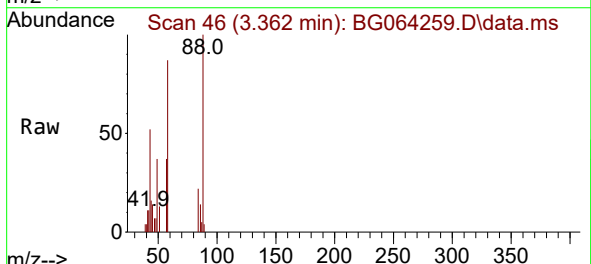
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

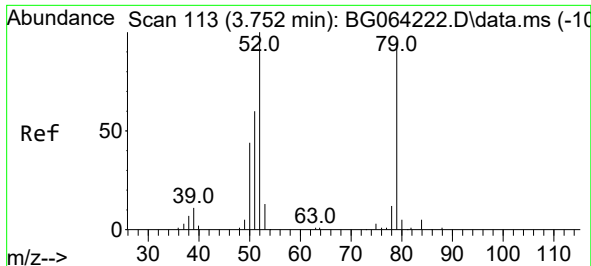
Tgt Ion:152 Resp: 36950
Ion Ratio Lower Upper
152 100
150 160.3 128.0 192.0
115 67.6 55.7 83.5



#2
1,4-Dioxane
Concen: 9.265 ng
RT: 3.362 min Scan# 46
Delta R.T. 0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 88 Resp: 7953
Ion Ratio Lower Upper
88 100
58 90.1 80.8 121.2
43 49.8 40.3 60.5

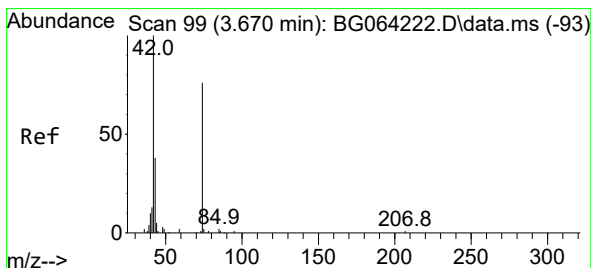
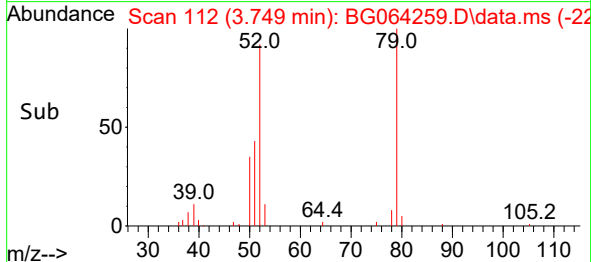
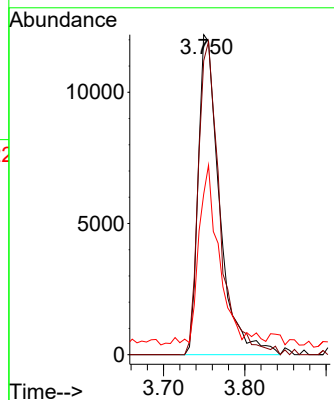
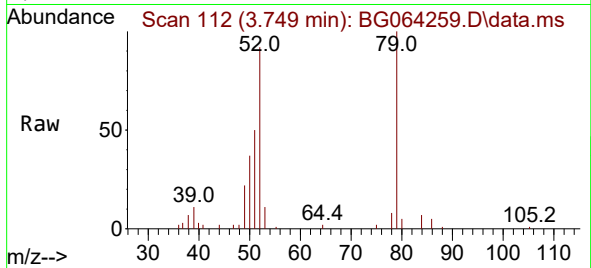




#3
Pyridine
Concen: 8.793 ng
RT: 3.749 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

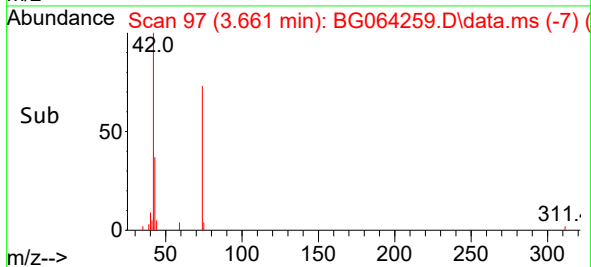
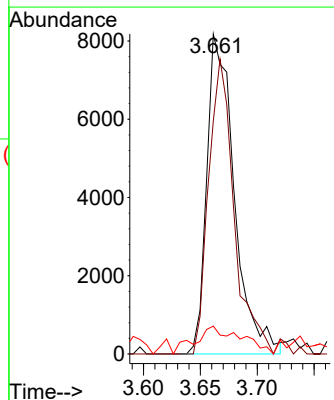
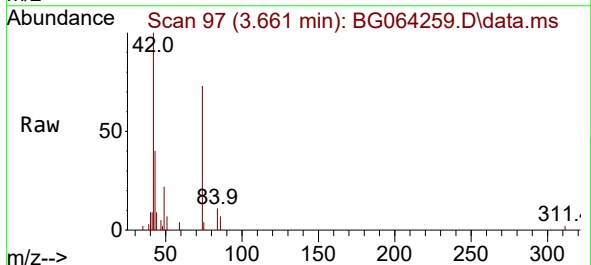
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

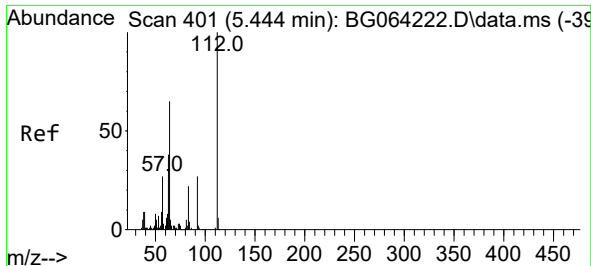
Tgt Ion: 79 Resp: 22219
Ion Ratio Lower Upper
79 100
52 91.8 86.6 129.8
51 50.2 114.1 171.1#



#4
n-Nitrosodimethylamine
Concen: 8.229 ng
RT: 3.661 min Scan# 97
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 42 Resp: 13754
Ion Ratio Lower Upper
42 100
74 72.9 58.0 87.0
44 8.7 5.5 8.3#

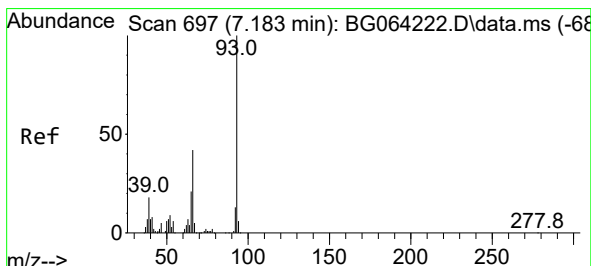
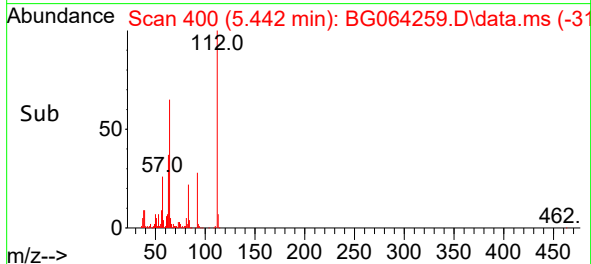
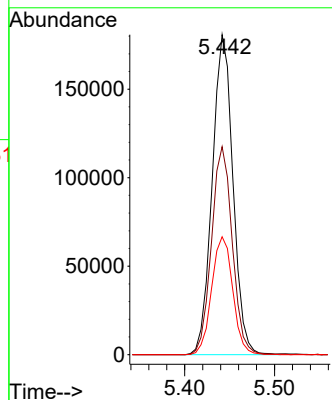
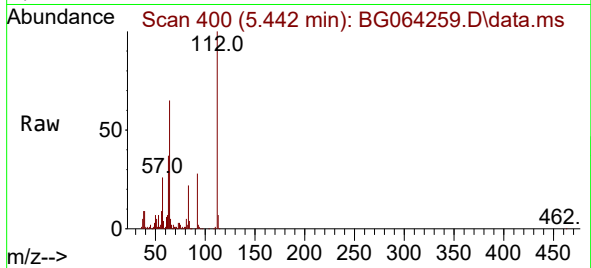




#5
2-Fluorophenol
Concen: 140.841 ng
RT: 5.442 min Scan# 401
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

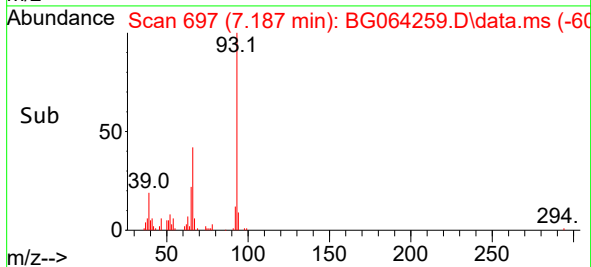
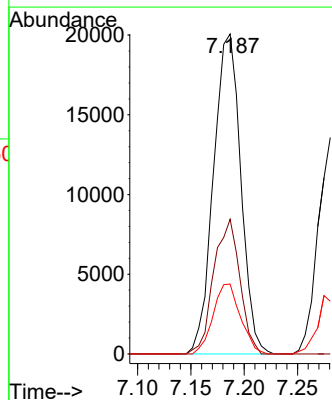
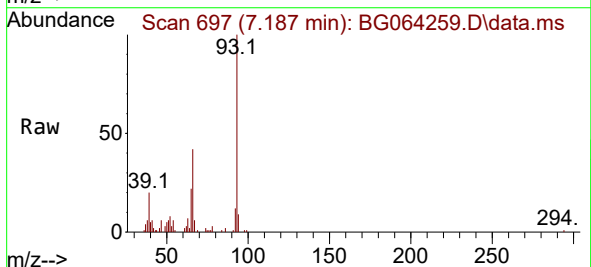
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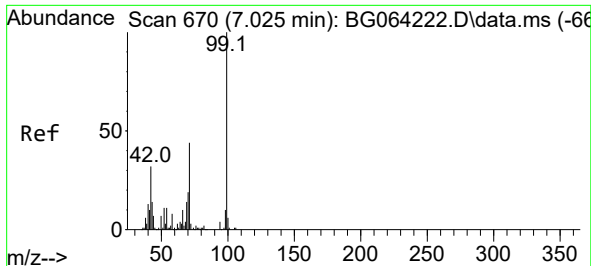
Tgt Ion:112 Resp: 290067
Ion Ratio Lower Upper
112 100
64 65.0 51.8 77.6
63 36.9 30.6 45.8



#6
Aniline
Concen: 9.112 ng
RT: 7.187 min Scan# 697
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 93 Resp: 35654
Ion Ratio Lower Upper
93 100
66 42.1 33.8 50.8
65 21.8 16.9 25.3

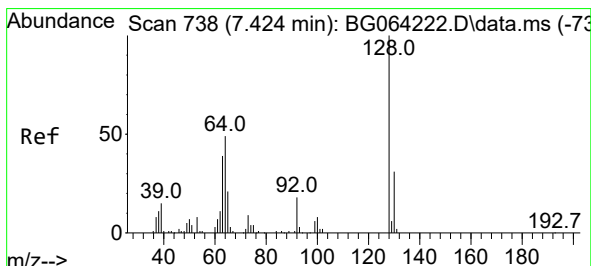
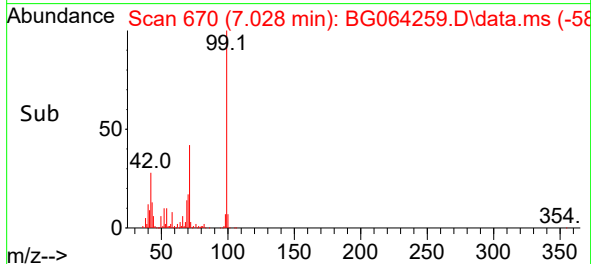
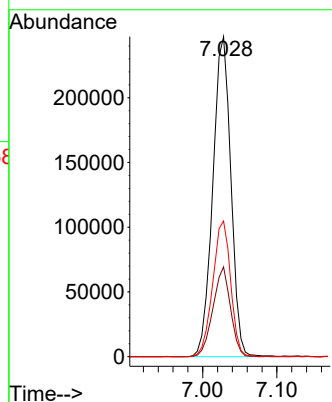
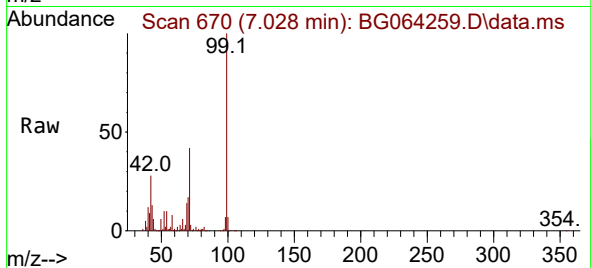




#7
Phenol-d6
Concen: 147.923 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

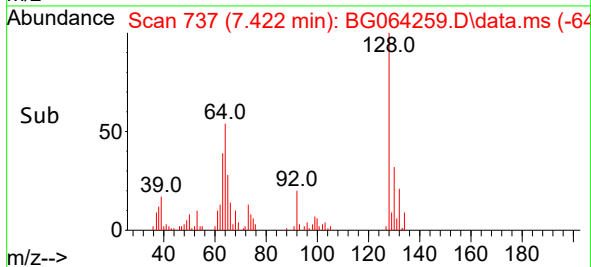
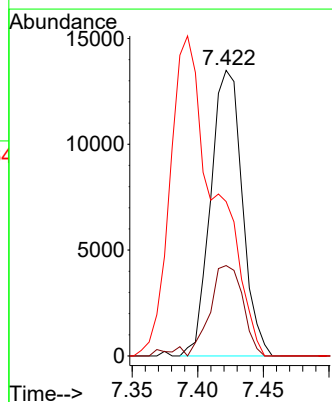
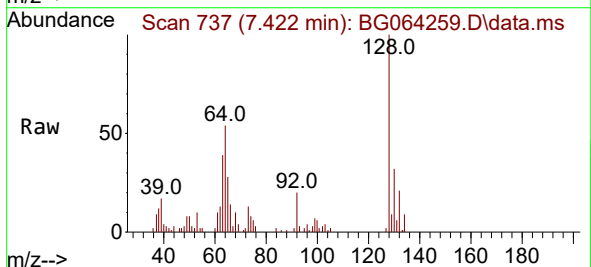
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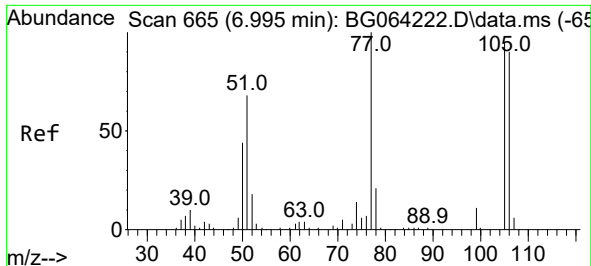
Tgt Ion: 99 Resp: 418541
Ion Ratio Lower Upper
99 100
42 28.1 25.8 38.8
71 42.4 35.2 52.8



#8
2-Chlorophenol
Concen: 8.996 ng
RT: 7.422 min Scan# 737
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:128 Resp: 22640
Ion Ratio Lower Upper
128 100
130 31.6 10.9 50.9
64 54.0 28.7 68.7

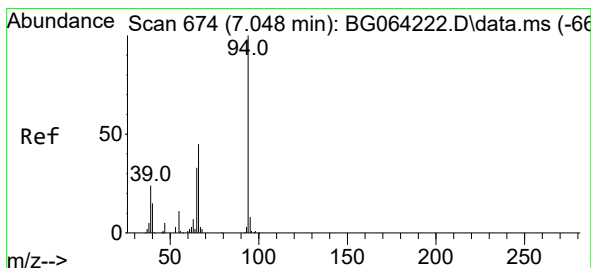
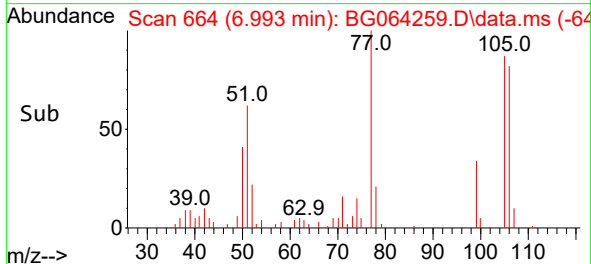
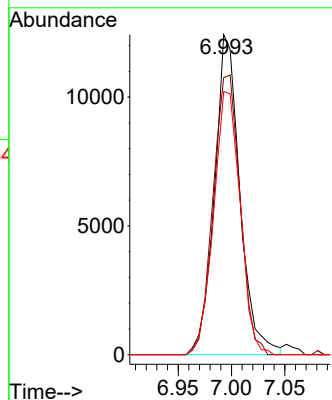
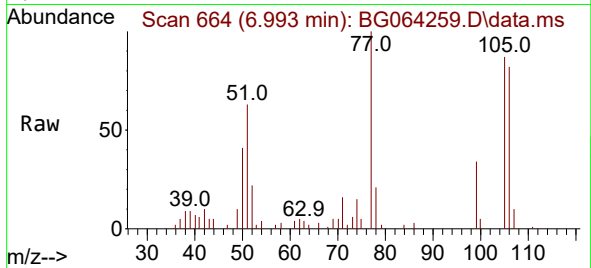




#9
Benzaldehyde
Concen: 8.830 ng
RT: 6.993 min Scan# 665
Delta R.T. -0.002 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

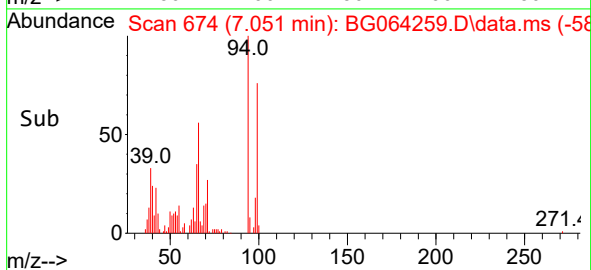
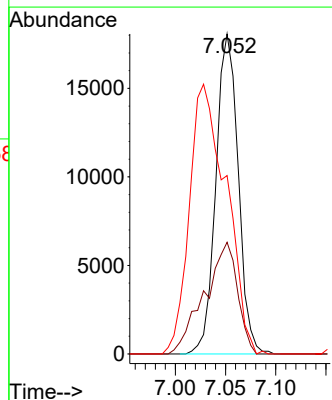
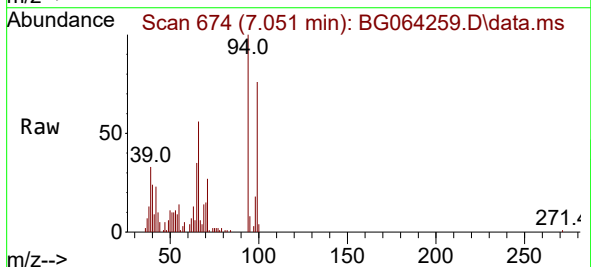
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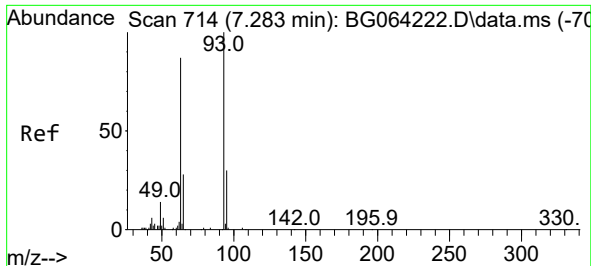
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Ion Ratio Lower Upper
77 100
105 86.6 75.2 115.2
106 82.2 69.6 109.6



#10
Phenol
Concen: 8.968 ng
RT: 7.051 min Scan# 674
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 94 Resp: 27976
Ion Ratio Lower Upper
94 100
65 34.9 13.5 53.5
66 55.8 26.2 66.2

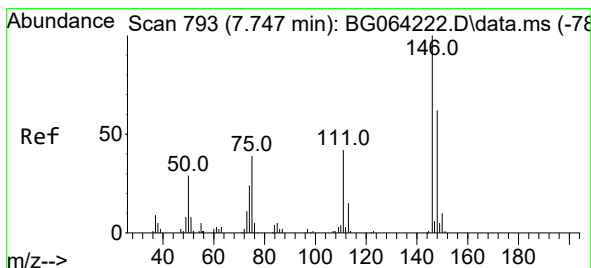
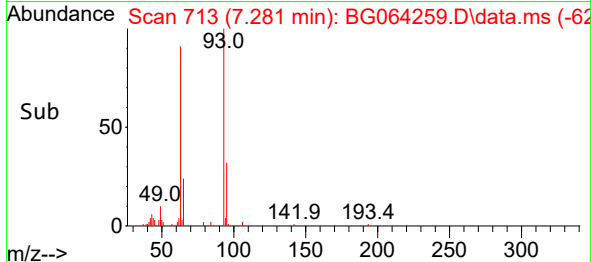
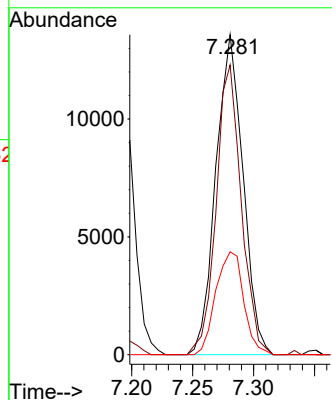
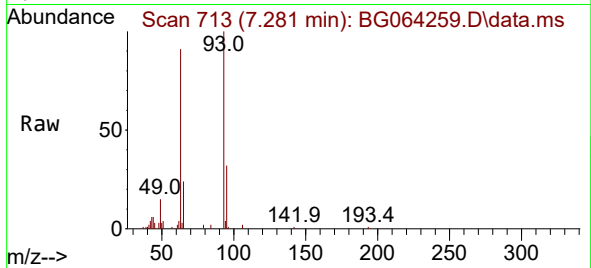




#11
bis(2-Chloroethyl)ether
Concen: 8.976 ng
RT: 7.281 min Scan# 714
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

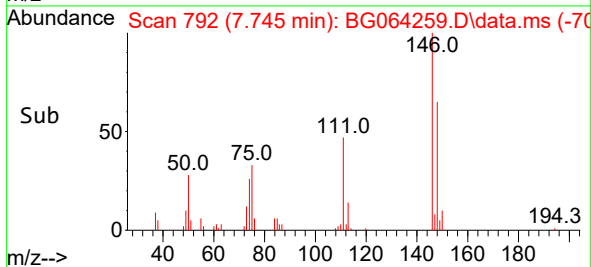
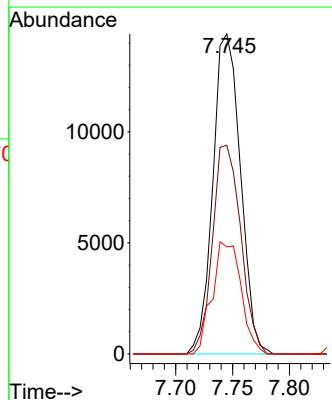
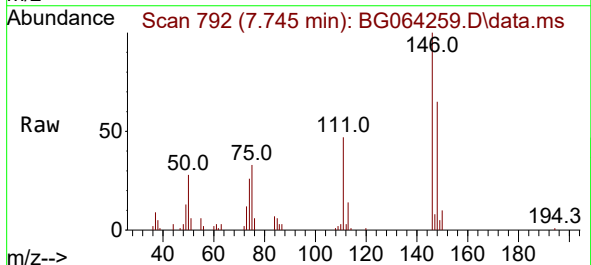
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

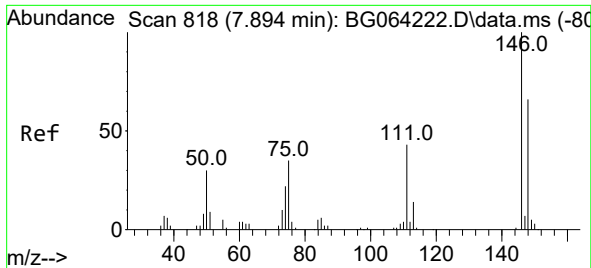
Tgt Ion: 93 Resp: 21040
Ion Ratio Lower Upper
93 100
63 90.6 66.2 106.2
95 32.2 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 9.082 ng
RT: 7.745 min Scan# 792
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 146 Resp: 24317
Ion Ratio Lower Upper
146 100
148 65.2 49.6 74.4
75 33.5 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 9.132 ng

RT: 7.886 min Scan# 818

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

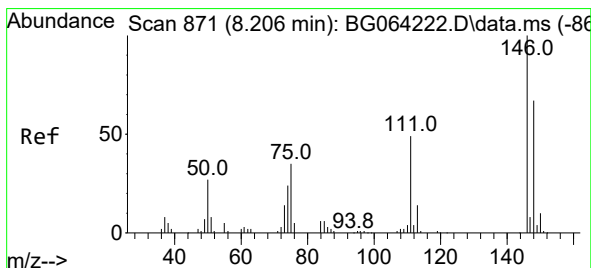
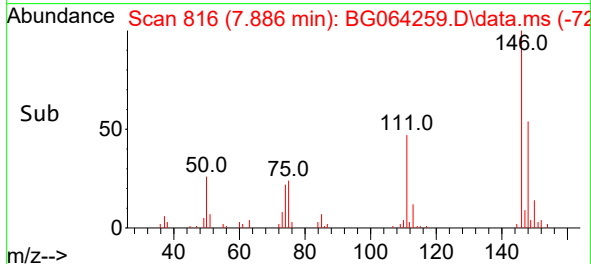
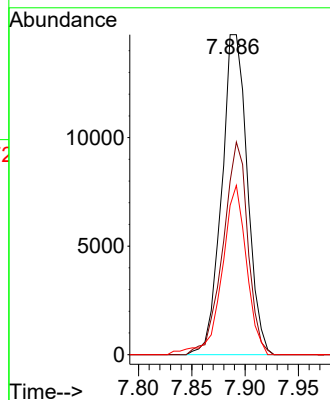
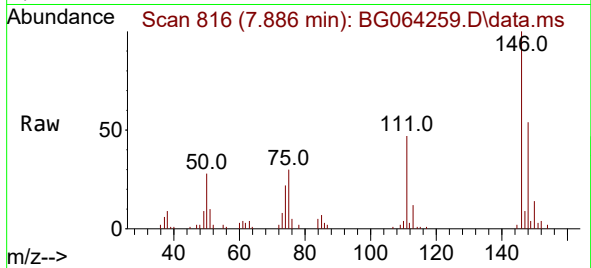
Tgt Ion:146 Resp: 24675

Ion Ratio Lower Upper

146 100

148 54.2 52.8 79.2

111 46.6 34.1 51.1



#14

1,2-Dichlorobenzene

Concen: 9.104 ng

RT: 8.209 min Scan# 871

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

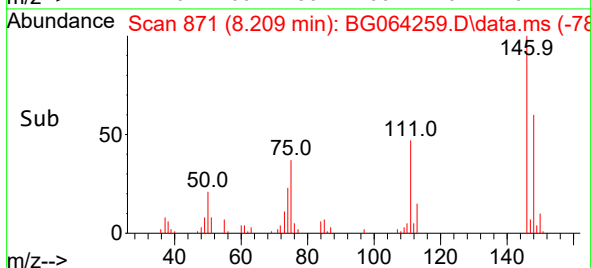
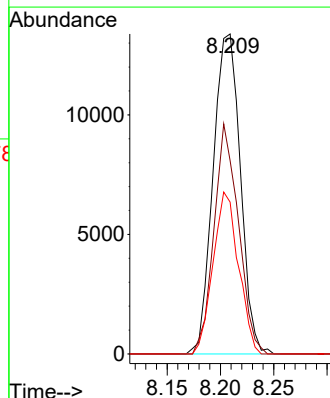
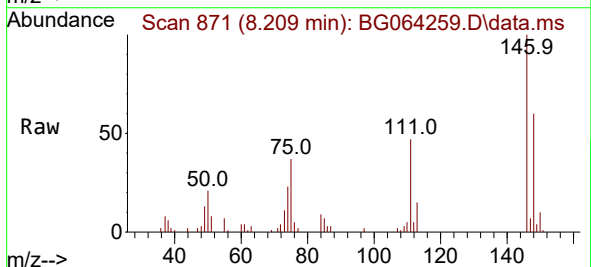
Tgt Ion:146 Resp: 23742

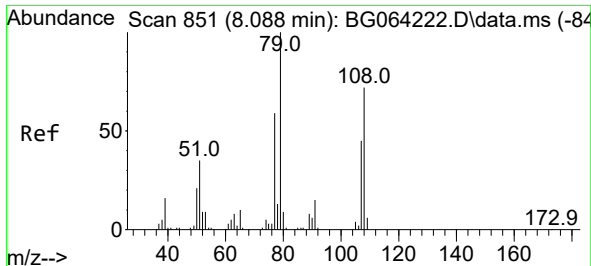
Ion Ratio Lower Upper

146 100

148 60.4 53.4 80.0

111 47.4 39.1 58.7

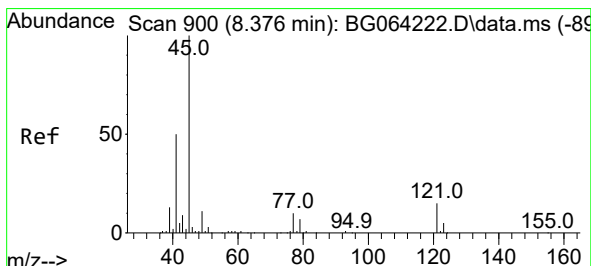
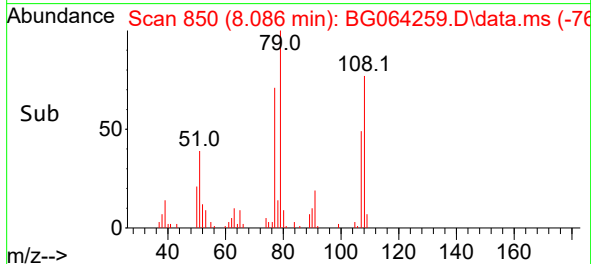
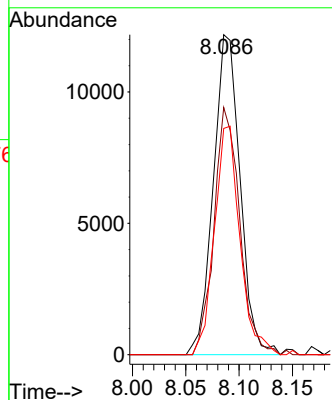
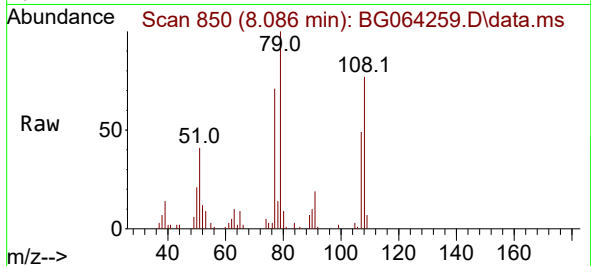




#15
Benzyl Alcohol
Concen: 8.131 ng
RT: 8.086 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

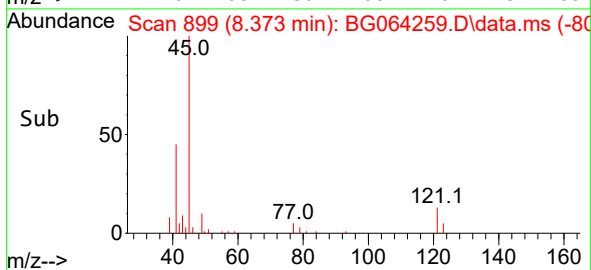
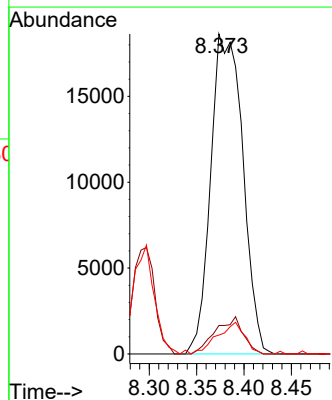
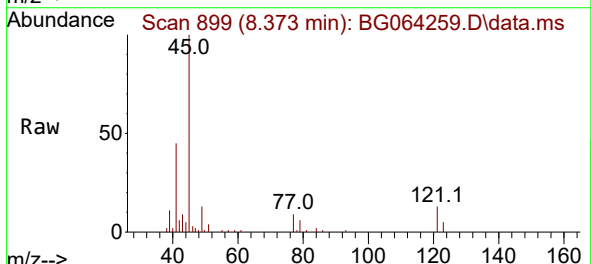
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

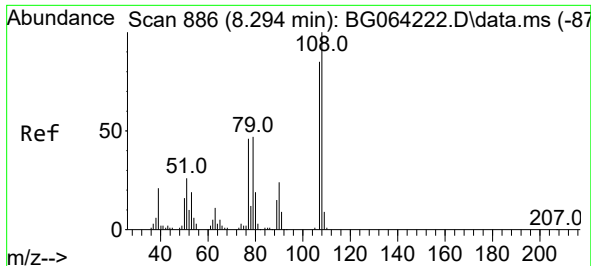
Tgt Ion: 79 Resp: 21231
Ion Ratio Lower Upper
79 100
108 77.3 57.4 86.0
77 70.7 47.2 70.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.185 ng
RT: 8.373 min Scan# 899
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 45 Resp: 43803
Ion Ratio Lower Upper
45 100
77 8.9 0.0 30.0
79 5.9 0.0 27.9

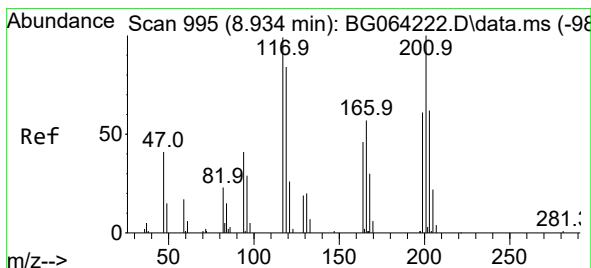
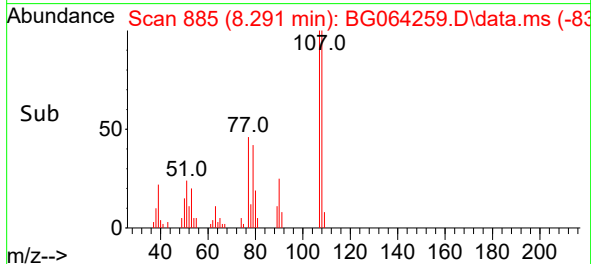
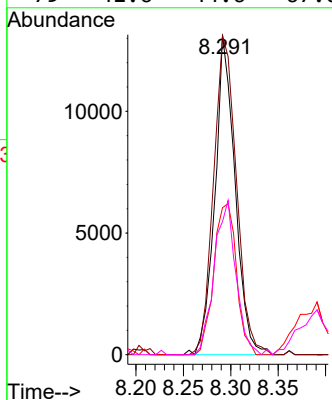
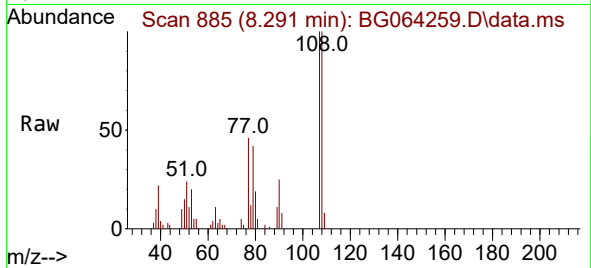




#17
2-Methylphenol
Concen: 8.371 ng
RT: 8.291 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

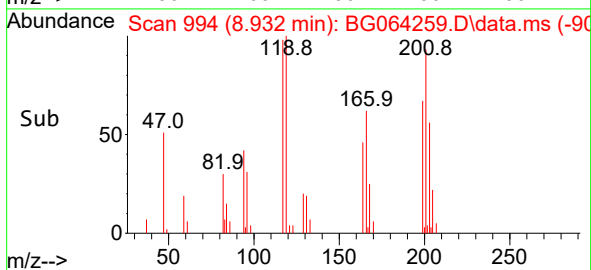
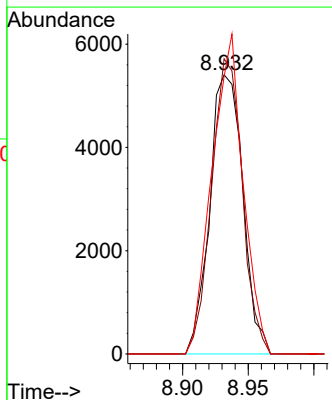
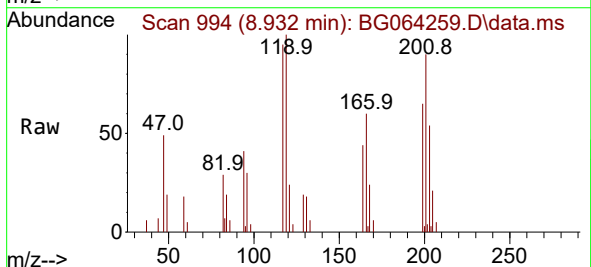
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

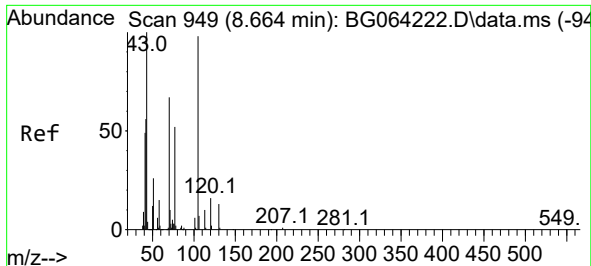
Tgt Ion:	107	Resp:	19462
Ion	Ratio	Lower	Upper
107	100		
108	99.6	94.6	141.8
77	45.9	43.7	65.5
79	41.6	44.6	67.0



#18
Hexachloroethane
Concen: 9.004 ng
RT: 8.932 min Scan# 994
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:	117	Resp:	9497
Ion	Ratio	Lower	Upper
117	100		
119	105.7	67.9	101.9
201	99.4	80.5	120.7

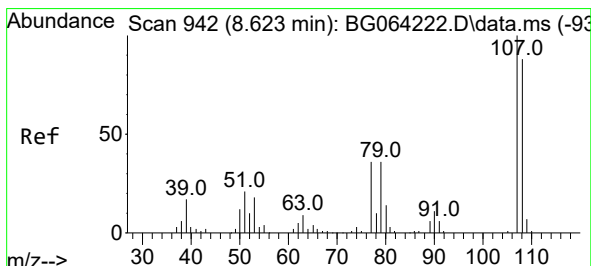
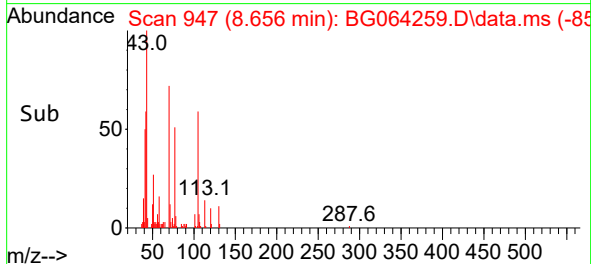
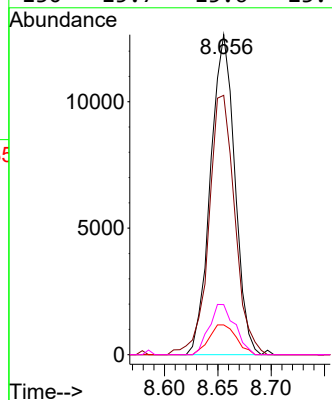
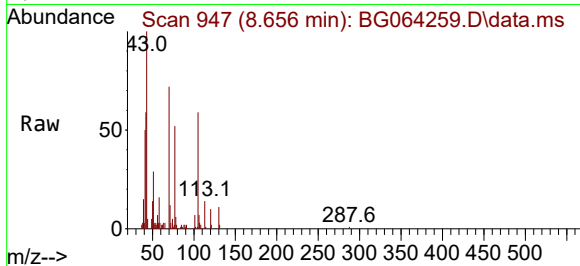




#19
n-Nitroso-di-n-propylamine
Concen: 9.266 ng
RT: 8.656 min Scan# 94
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

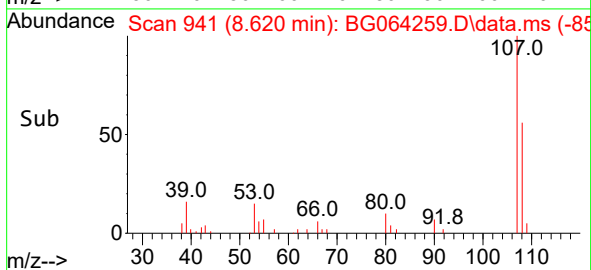
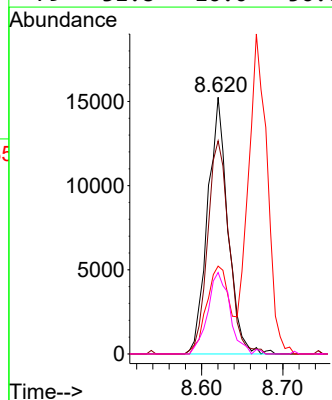
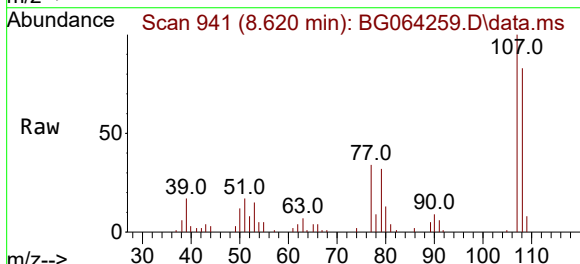
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

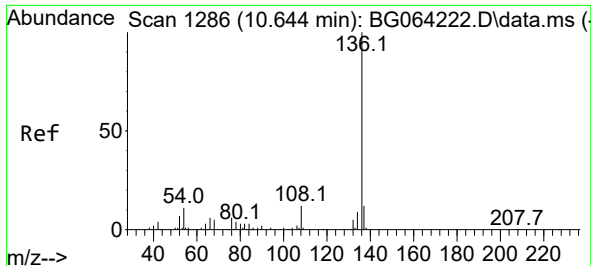
Tgt Ion:	70	Resp:	20065
Ion	Ratio	Lower	Upper
70	100		
42	81.1	67.9	101.9
101	9.3	7.3	10.9
130	15.7	15.6	23.4



#20
3+4-Methylphenols
Concen: 8.185 ng
RT: 8.620 min Scan# 941
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:	107	Resp:	26441
Ion	Ratio	Lower	Upper
107	100		
108	83.0	68.1	108.1
77	34.2	15.9	55.9
79	31.8	16.0	56.0

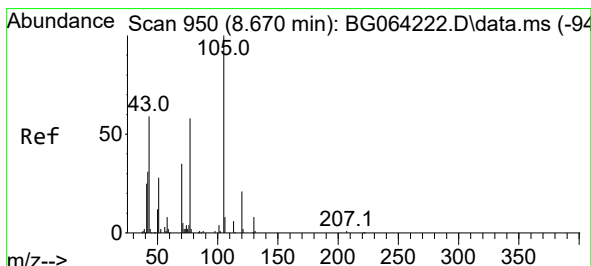
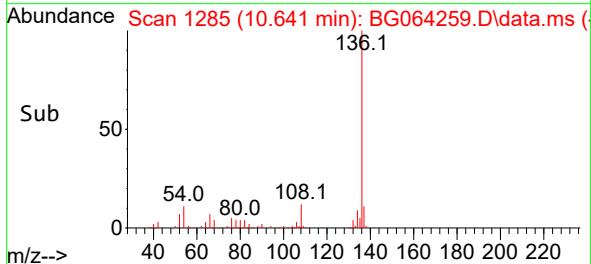
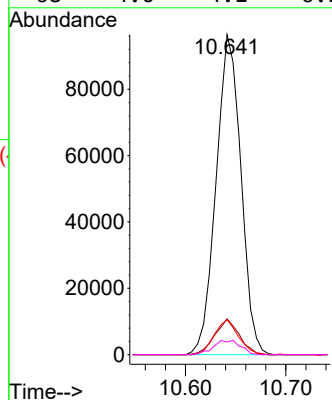
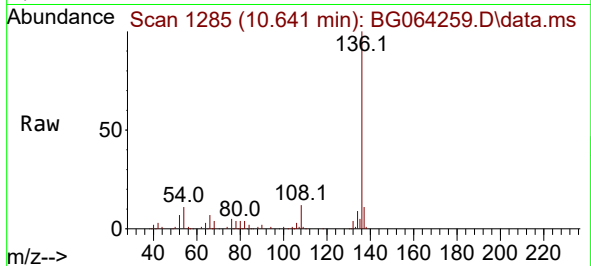




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.641 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

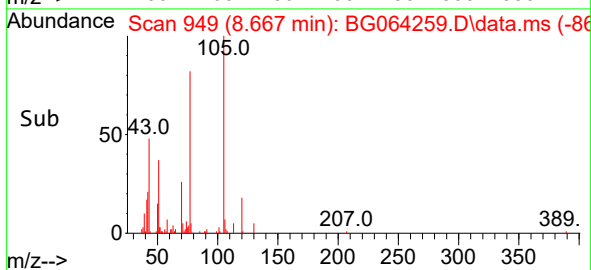
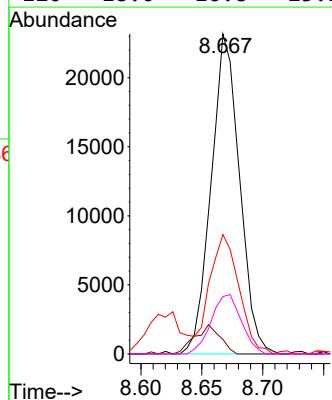
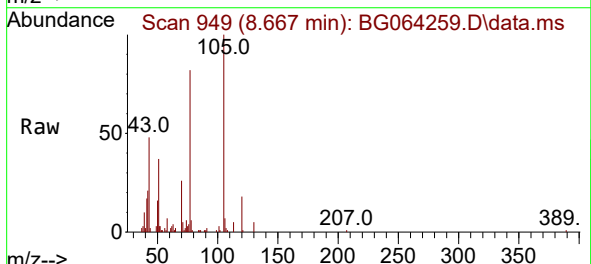
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

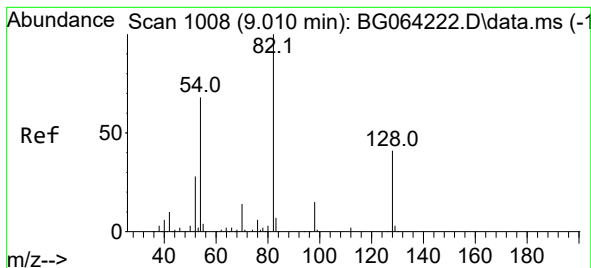
Tgt Ion:136 Resp: 165439
Ion Ratio Lower Upper
136 100
137 11.2 9.6 14.4
54 10.9 8.8 13.2
68 4.0 4.1 6.1#



#22
Acetophenone
Concen: 8.971 ng
RT: 8.667 min Scan# 949
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:105 Resp: 37548
Ion Ratio Lower Upper
105 100
71 4.5 4.3 6.5
51 37.3 32.4 48.6
120 18.0 16.8 25.2





#23

Nitrobenzene-d5

Concen: 103.593 ng

RT: 9.008 min Scan# 1007

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

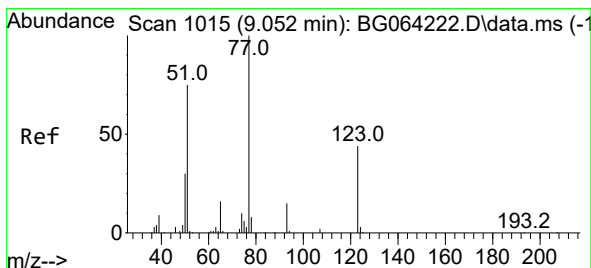
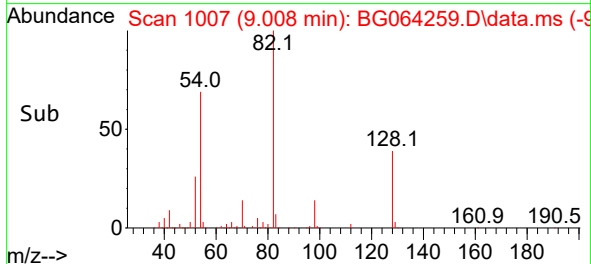
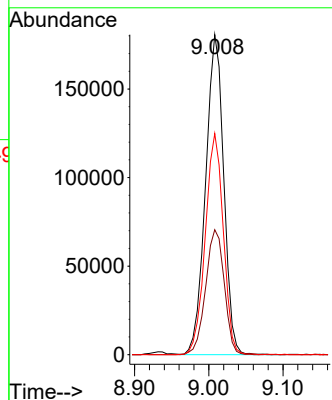
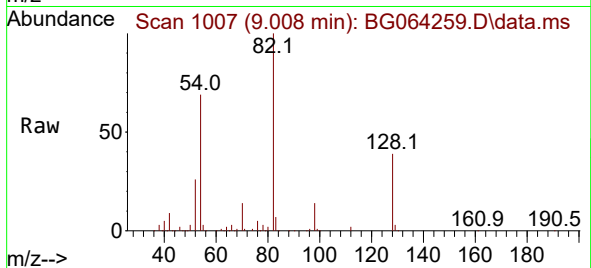
Tgt Ion: 82 Resp: 307302

Ion Ratio Lower Upper

82 100

128 39.0 32.6 48.8

54 69.1 54.7 82.1



#24

Nitrobenzene

Concen: 9.400 ng

RT: 9.049 min Scan# 1014

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

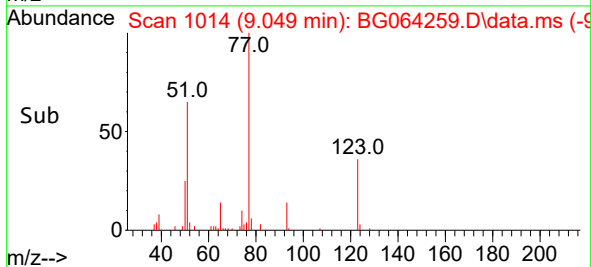
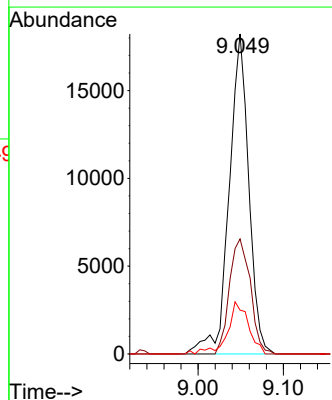
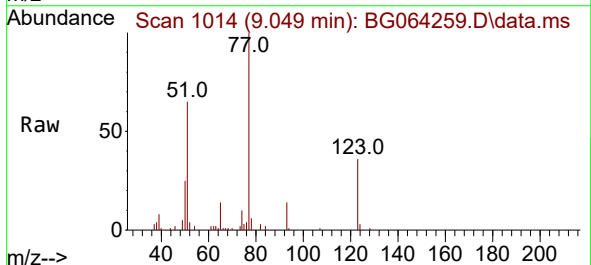
Tgt Ion: 77 Resp: 29135

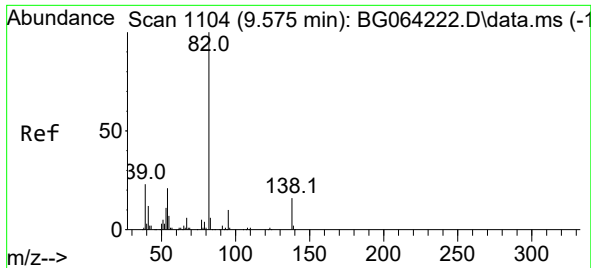
Ion Ratio Lower Upper

77 100

123 35.9 35.2 52.8

65 13.7 12.6 19.0

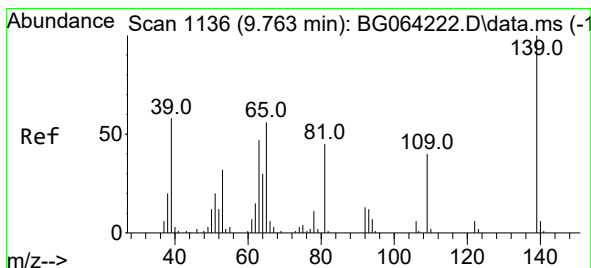
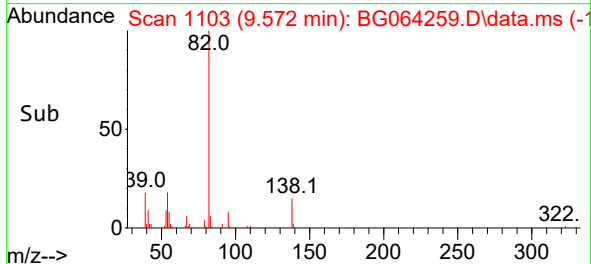
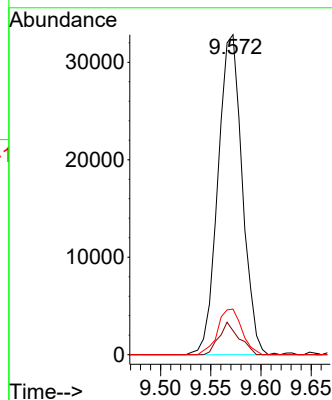
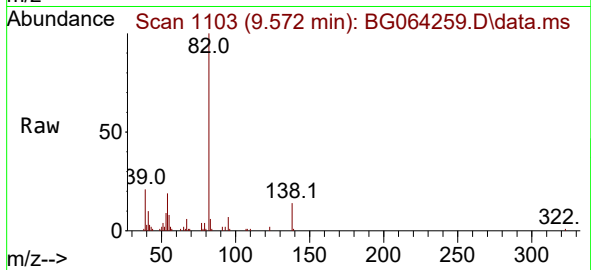




#25
Isophorone
Concen: 8.946 ng
RT: 9.572 min Scan# 1104
Delta R.T. -0.014 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

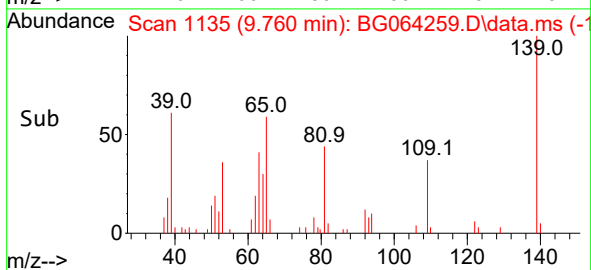
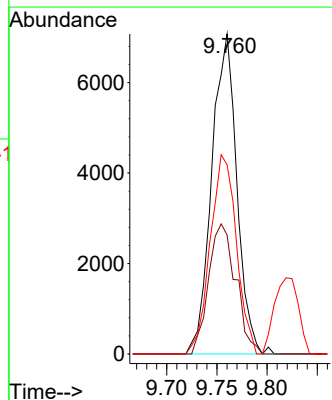
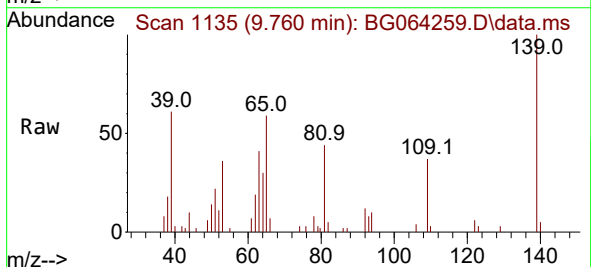
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

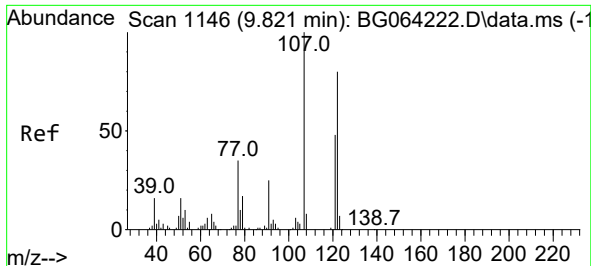
Tgt Ion: 82 Resp: 55154
Ion Ratio Lower Upper
82 100
95 7.5 7.9 11.9#
138 14.3 13.0 19.4



#26
2-Nitrophenol
Concen: 9.199 ng
RT: 9.760 min Scan# 1135
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:139 Resp: 12319
Ion Ratio Lower Upper
139 100
109 37.2 32.4 48.6
65 59.2 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 8.428 ng

RT: 9.819 min Scan# 1145

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

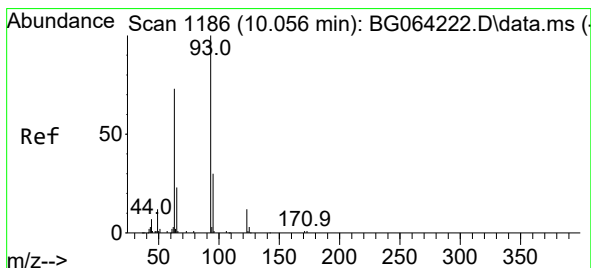
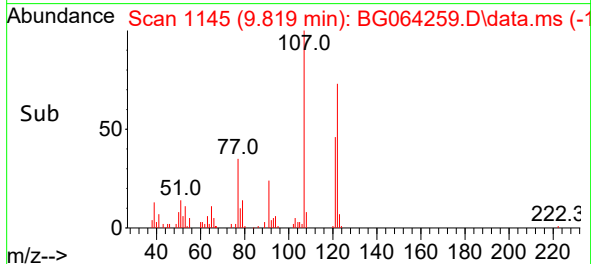
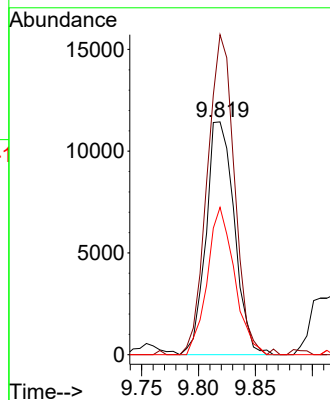
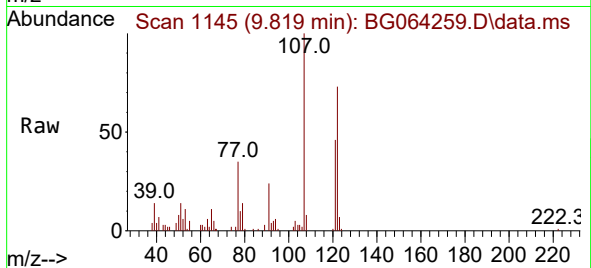
Tgt Ion:122 Resp: 19817

Ion Ratio Lower Upper

122 100

107 137.5 99.9 149.9

121 63.3 48.6 72.8



#28

bis(2-Chloroethoxy)methane

Concen: 8.972 ng

RT: 10.054 min Scan# 1185

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

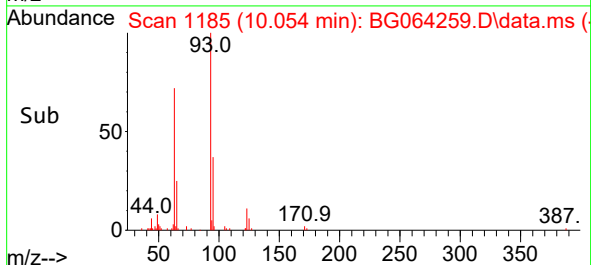
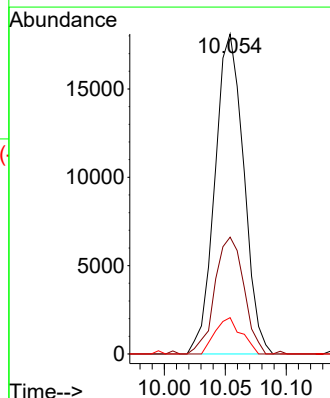
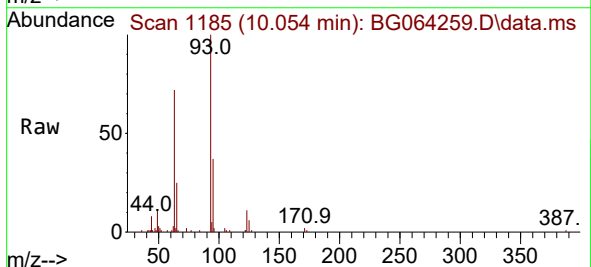
Tgt Ion: 93 Resp: 29826

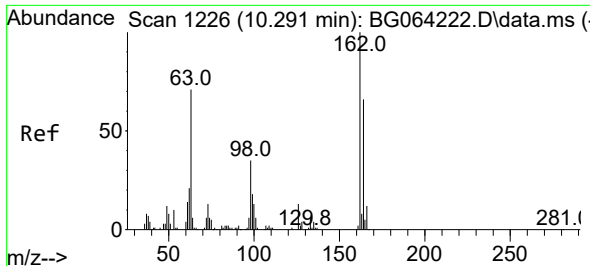
Ion Ratio Lower Upper

93 100

95 36.5 23.9 35.9#

123 11.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 8.737 ng

RT: 10.289 min Scan# 1225

Delta R.T. -0.009 min

Lab File: BG064259.D

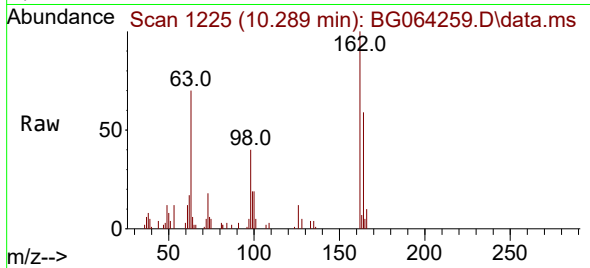
Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



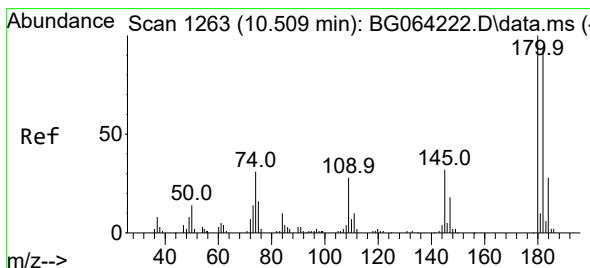
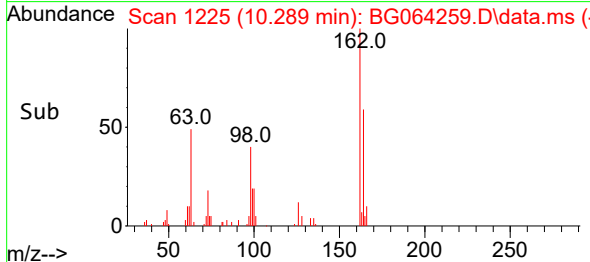
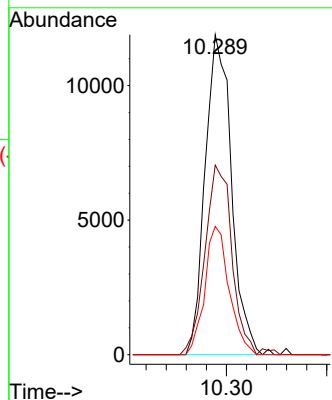
Tgt Ion:162 Resp: 21676

Ion Ratio Lower Upper

162 100

164 59.2 45.8 85.8

98 40.1 15.2 55.2



#30

1,2,4-Trichlorobenzene

Concen: 9.638 ng

RT: 10.506 min Scan# 1262

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

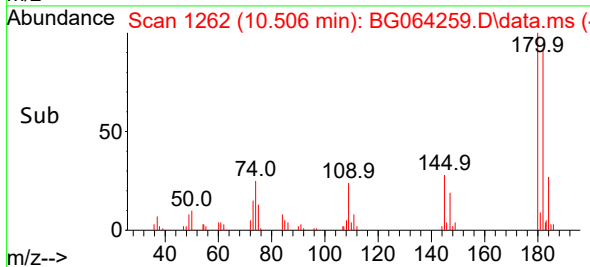
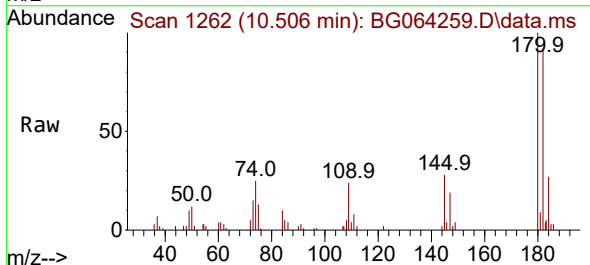
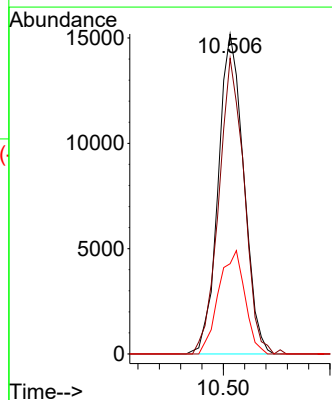
Tgt Ion:180 Resp: 25212

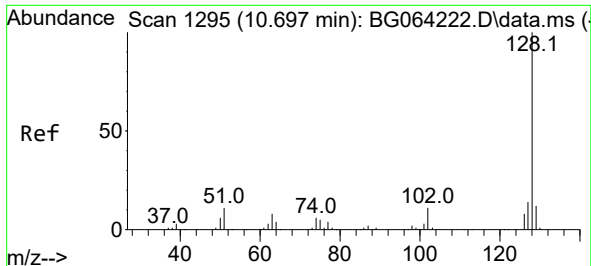
Ion Ratio Lower Upper

180 100

182 92.4 75.0 112.6

145 31.7 25.4 38.0

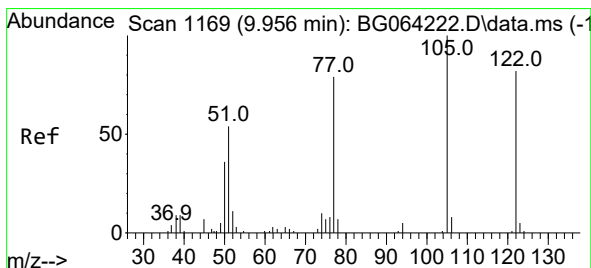
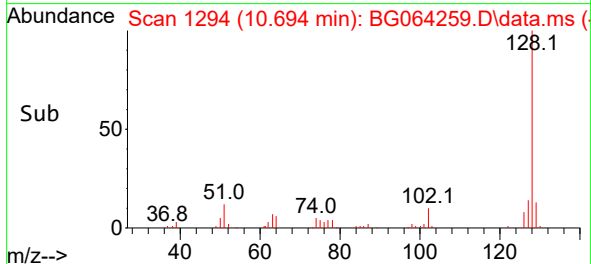
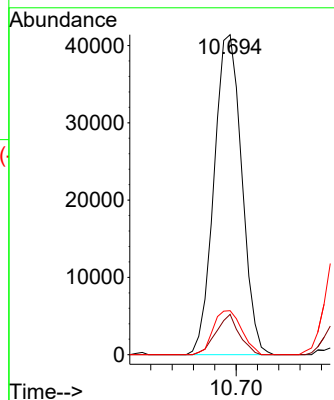
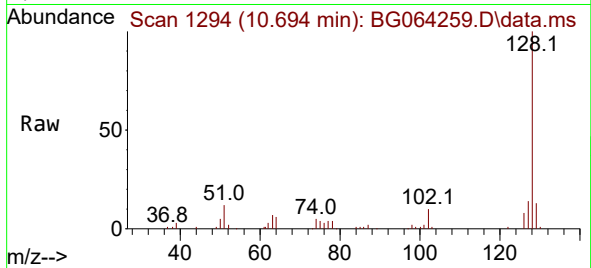




#31
Naphthalene
Concen: 8.701 ng
RT: 10.694 min Scan# 1162
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

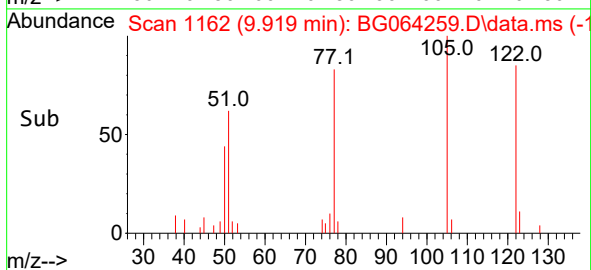
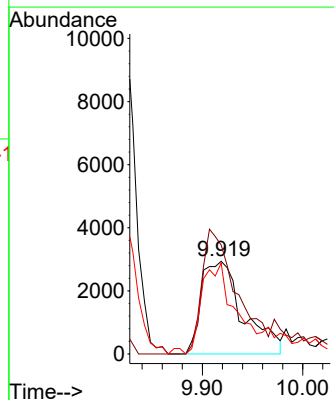
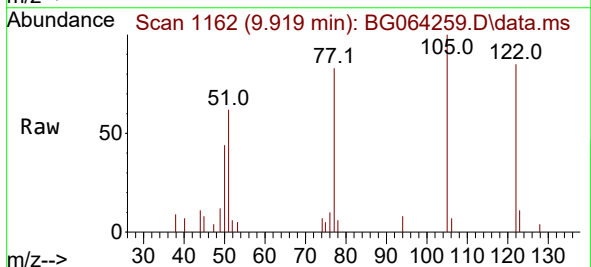
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

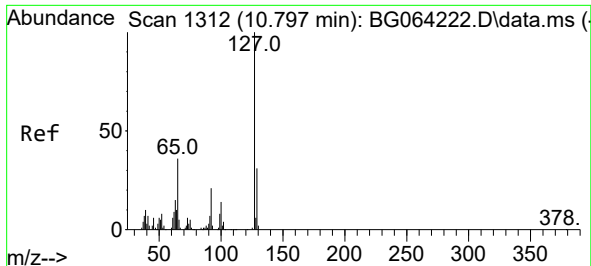
Tgt Ion:128 Resp: 74644
Ion Ratio Lower Upper
128 100
129 12.6 9.4 14.2
127 13.8 10.9 16.3



#32
Benzoic acid
Concen: 4.571 ng
RT: 9.919 min Scan# 1162
Delta R.T. -0.097 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:122 Resp: 8531
Ion Ratio Lower Upper
122 100
105 117.7 98.5 138.5
77 98.1 74.6 114.6

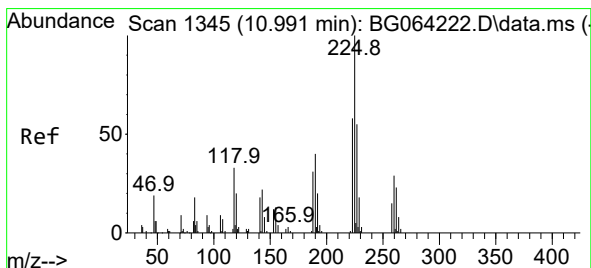
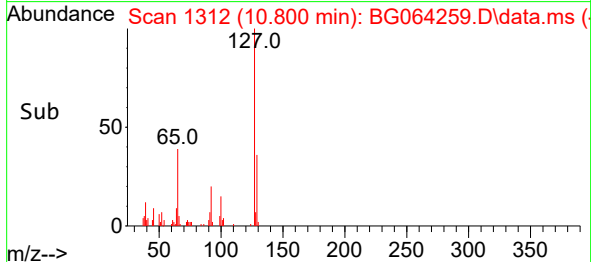
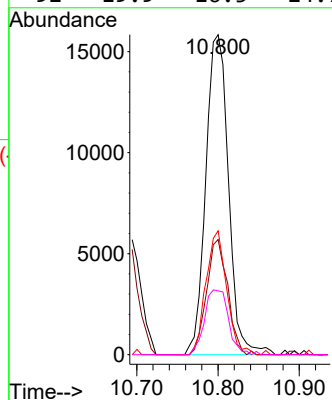
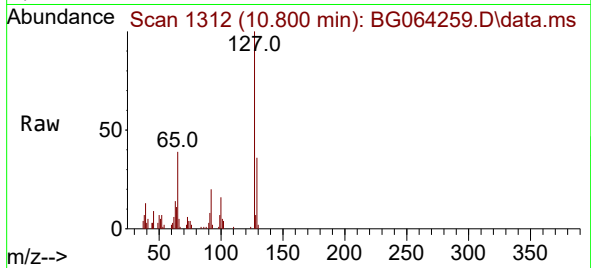




#33
4-Chloroaniline
Concen: 9.248 ng
RT: 10.800 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

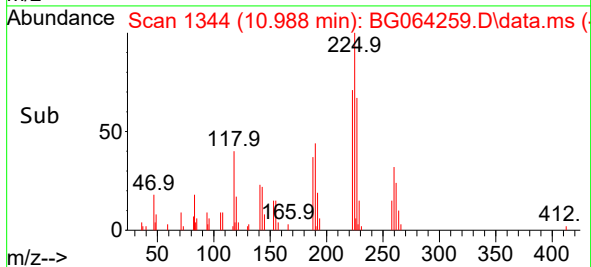
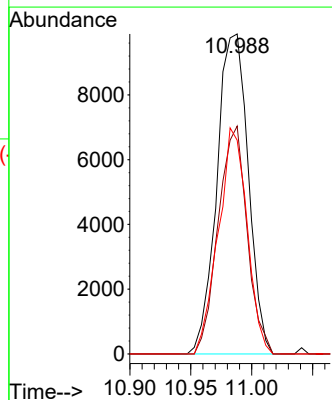
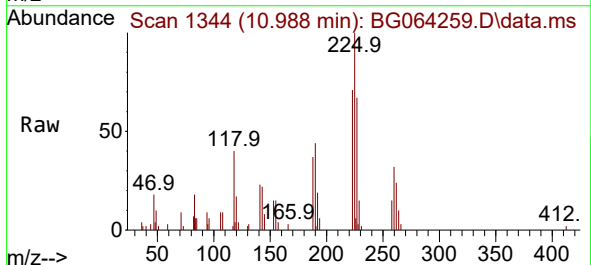
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

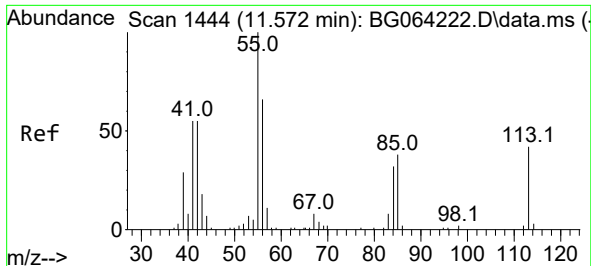
Tgt Ion:127	Resp:	30751
Ion	Ratio	Lower Upper
127	100	
129	36.0	25.0 37.4
65	38.7	28.7 43.1
92	19.9	16.5 24.7



#34
Hexachlorobutadiene
Concen: 9.154 ng
RT: 10.988 min Scan# 1344
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:225	Resp:	17701
Ion	Ratio	Lower Upper
225	100	
223	71.2	46.5 69.7#
227	66.8	44.1 66.1#

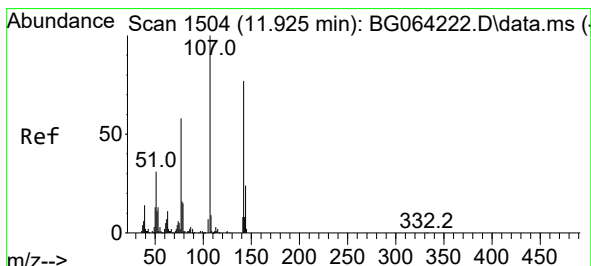
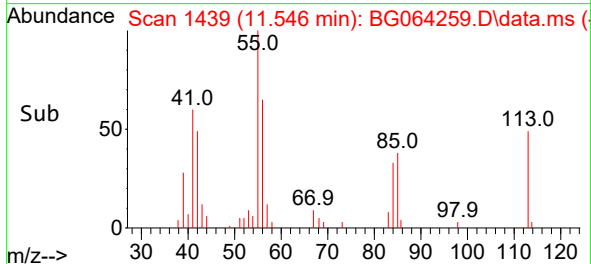
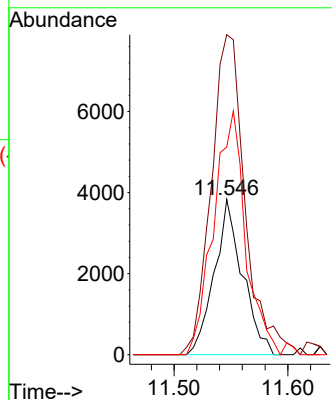
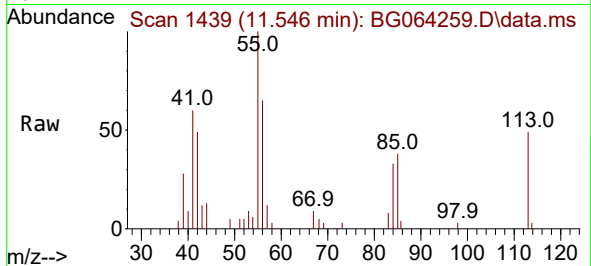




#35
 Caprolactam
 Concen: 6.880 ng
 RT: 11.546 min Scan# 1444
 Delta R.T. -0.056 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

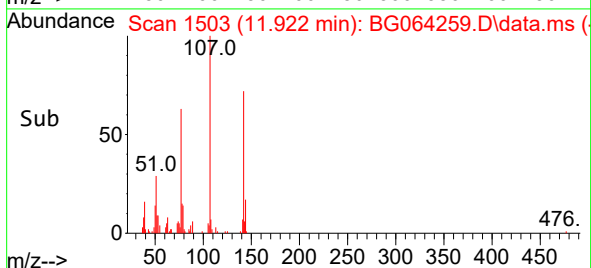
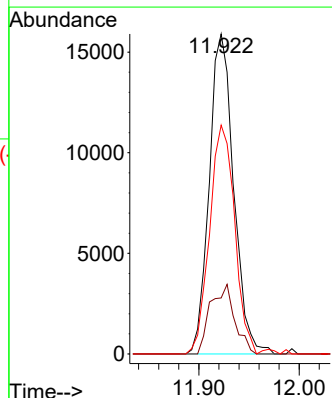
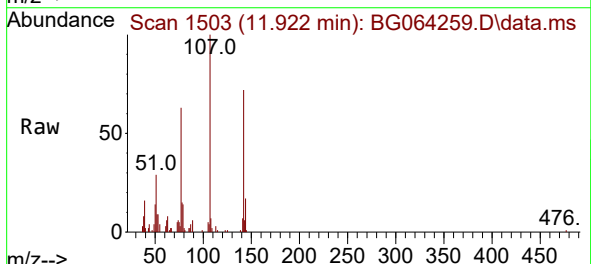
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

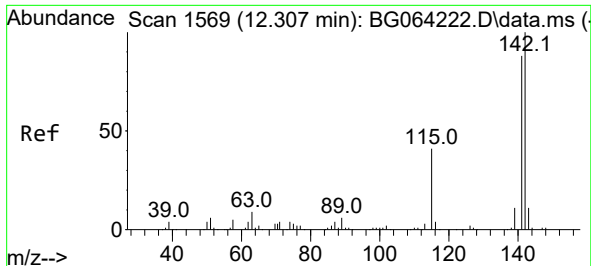
Tgt Ion:113 Resp: 6609
 Ion Ratio Lower Upper
 113 100
 55 206.1 218.5 258.5#
 56 133.8 138.5 178.5#



#36
 4-Chloro-3-methylphenol
 Concen: 8.364 ng
 RT: 11.922 min Scan# 1503
 Delta R.T. -0.009 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

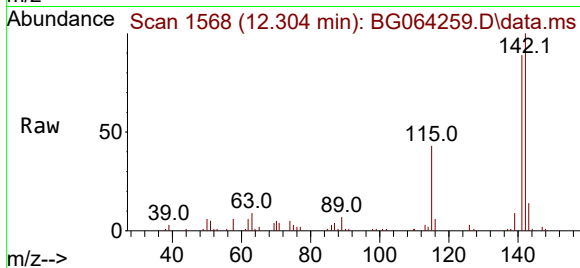
Tgt Ion:107 Resp: 26921
 Ion Ratio Lower Upper
 107 100
 144 17.5 19.5 29.3#
 142 71.5 62.0 93.0



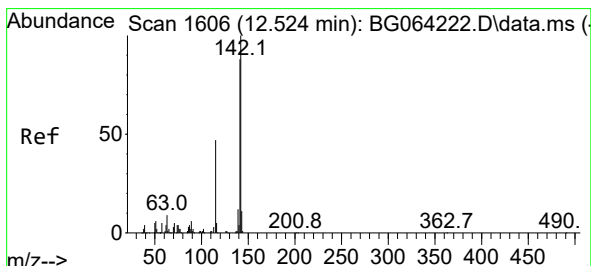
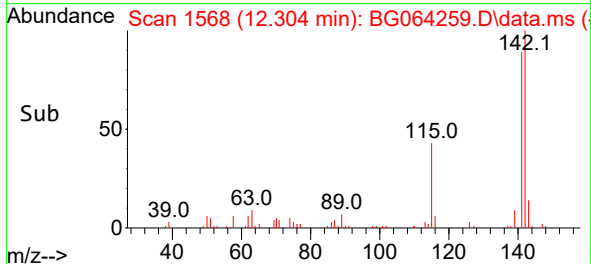
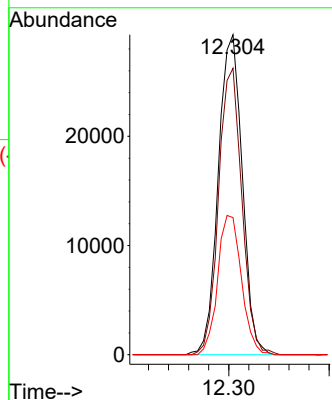


#37
2-Methylnaphthalene
Concen: 7.606 ng
RT: 12.304 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

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

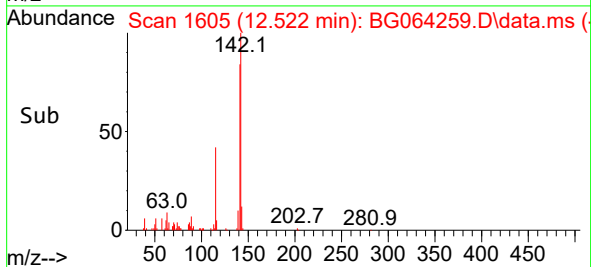
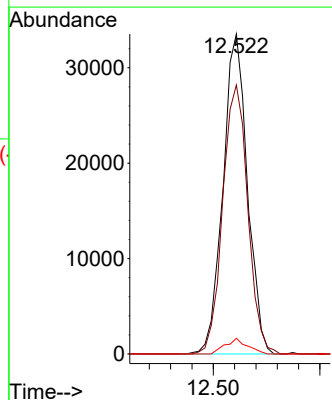
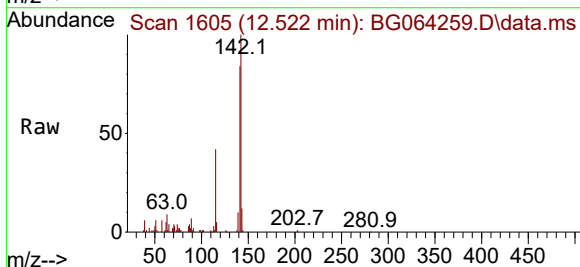


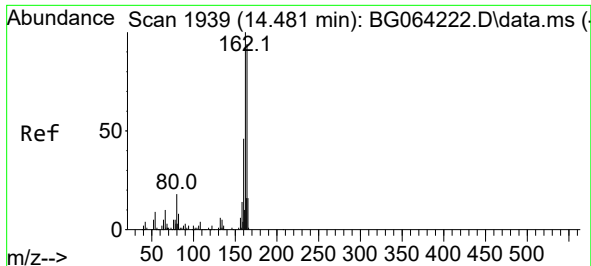
Tgt Ion:142 Resp: 48503
Ion Ratio Lower Upper
142 100
141 89.5 70.1 105.1
115 42.9 33.1 49.7



#38
1-Methylnaphthalene
Concen: 8.463 ng
RT: 12.522 min Scan# 1605
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:142 Resp: 53306
Ion Ratio Lower Upper
142 100
141 84.1 70.3 105.5
116 4.9 3.7 5.5

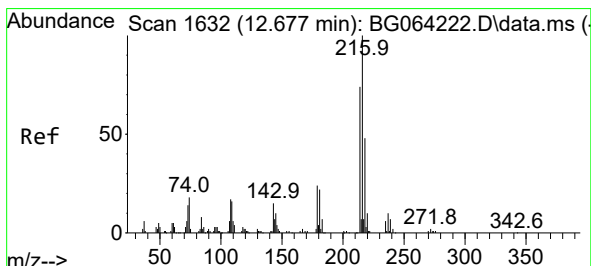
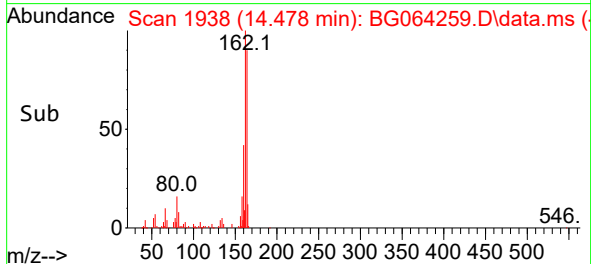
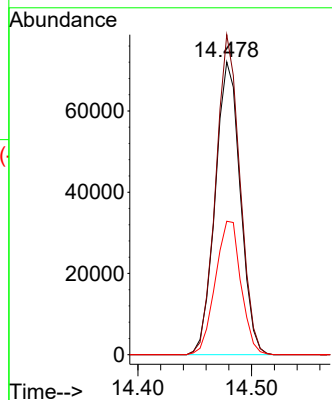
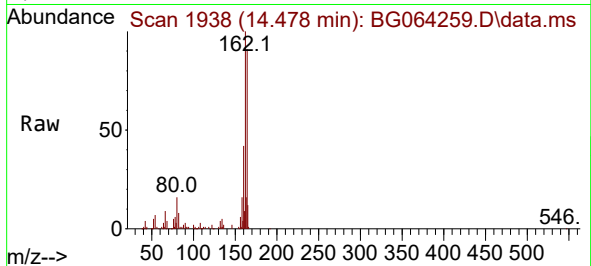




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.478 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

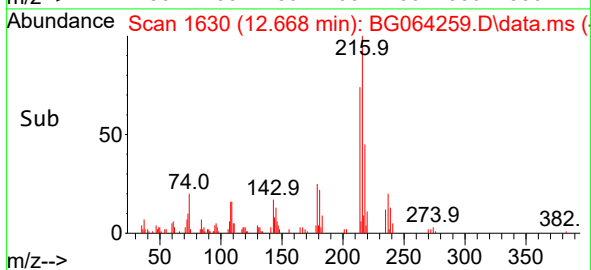
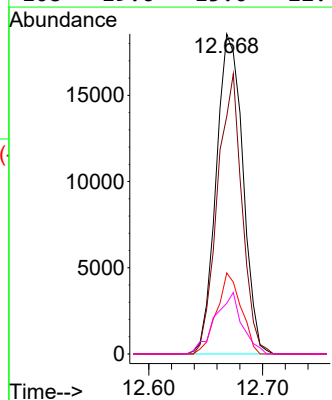
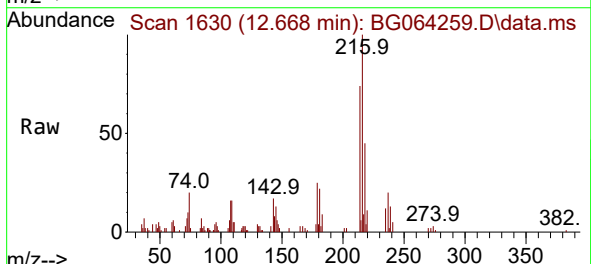
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

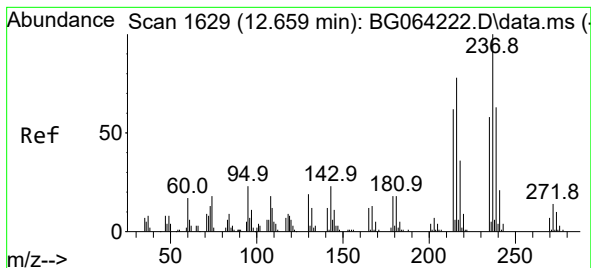
Tgt Ion:164 Resp: 110383
Ion Ratio Lower Upper
164 100
162 109.3 85.4 128.0
160 45.6 39.2 58.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.502 ng
RT: 12.668 min Scan# 1630
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:216 Resp: 30263
Ion Ratio Lower Upper
216 100
214 80.4 61.9 92.9
179 23.2 17.9 26.9
108 19.6 15.0 22.4





#41

Hexachlorocyclopentadiene

Concen: 9.912 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

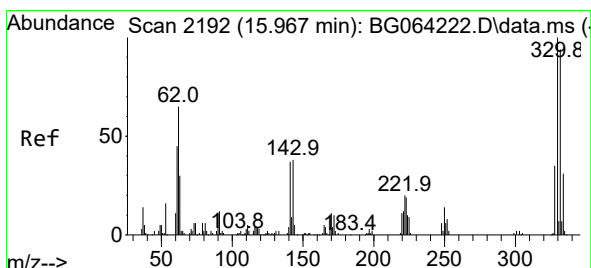
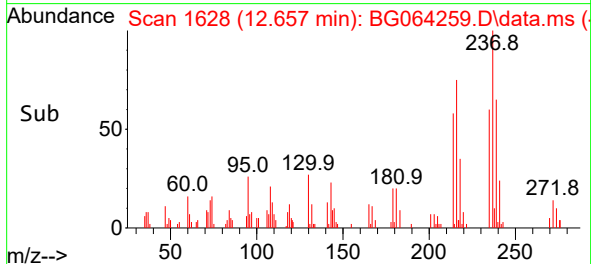
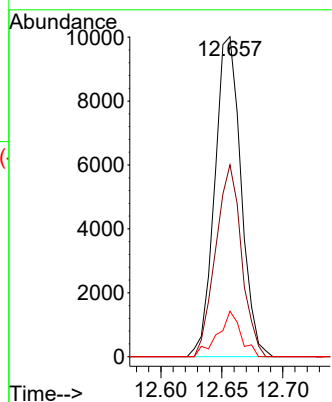
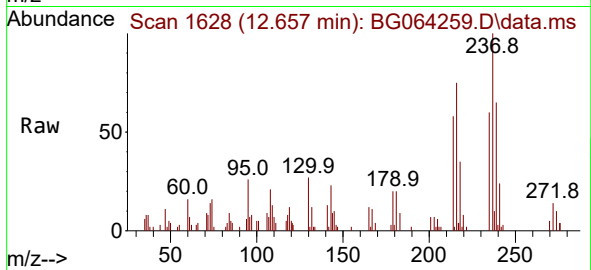
Tgt Ion:237 Resp: 15003

Ion Ratio Lower Upper

237 100

235 60.0 37.9 77.9

272 14.2 0.0 33.8



#42

2,4,6-Tribromophenol

Concen: 136.721 ng

RT: 15.970 min Scan# 2192

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

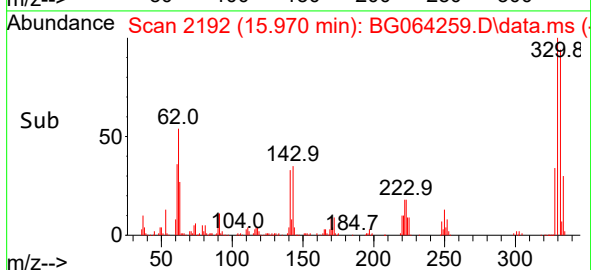
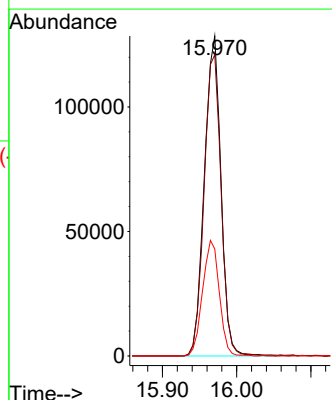
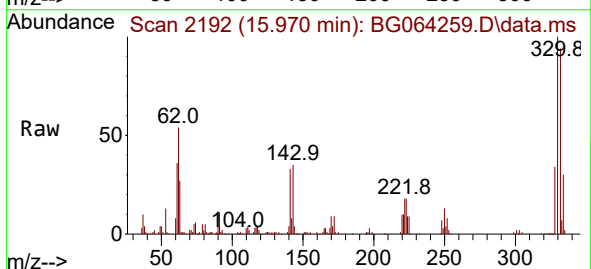
Tgt Ion:330 Resp: 199896

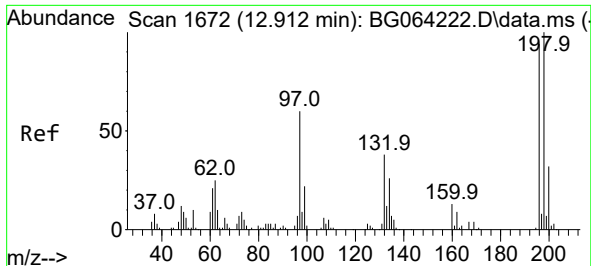
Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 36.3 29.8 44.6

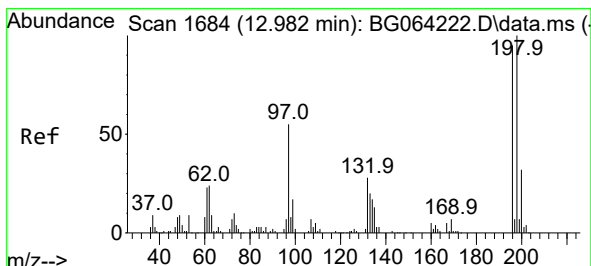
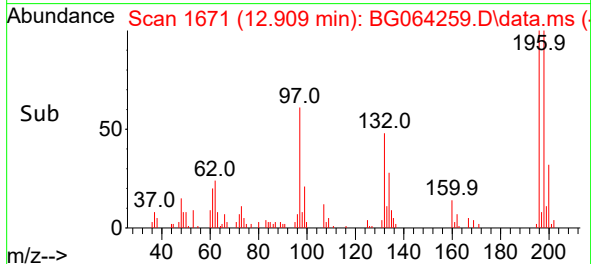
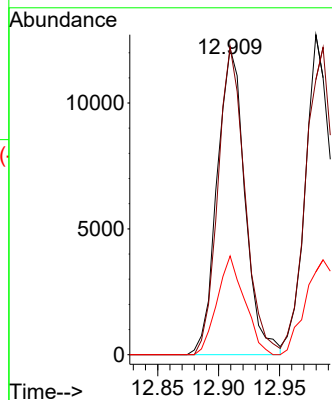
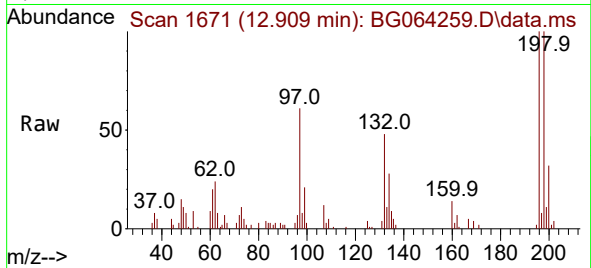




#43
2,4,6-Trichlorophenol
Concen: 9.111 ng
RT: 12.909 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

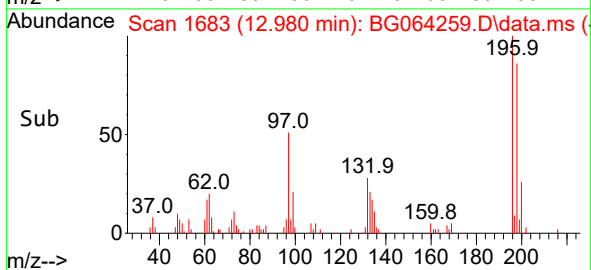
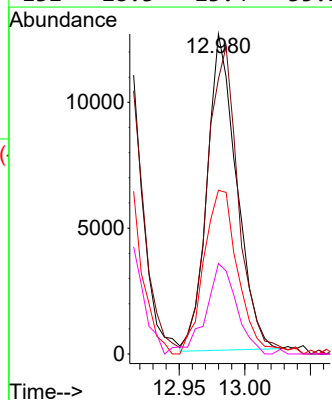
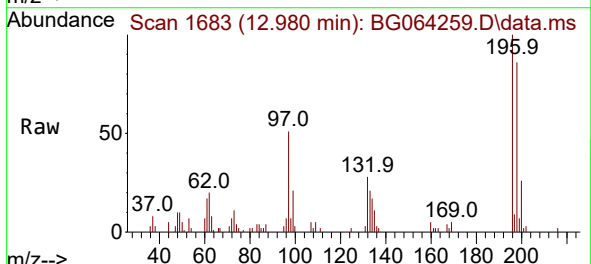
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

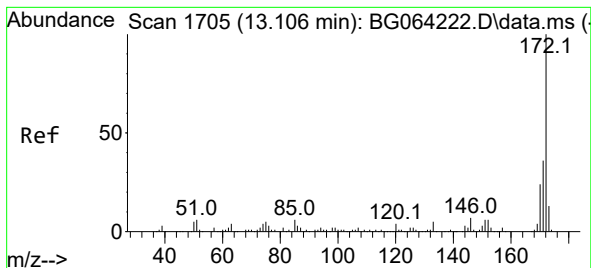
Tgt Ion:196 Resp: 19396
Ion Ratio Lower Upper
196 100
198 100.4 85.4 128.2
200 32.2 27.3 40.9



#44
2,4,5-Trichlorophenol
Concen: 8.522 ng
RT: 12.980 min Scan# 1683
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:196 Resp: 19680
Ion Ratio Lower Upper
196 100
198 85.9 84.5 126.7
97 51.2 46.8 70.2
132 28.3 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 101.924 ng

RT: 13.103 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

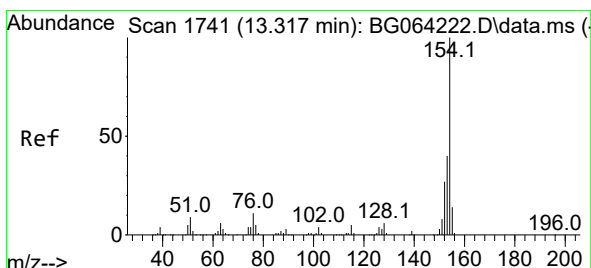
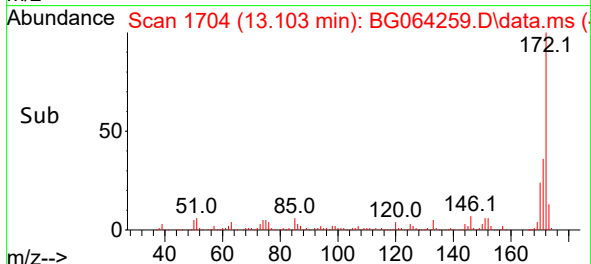
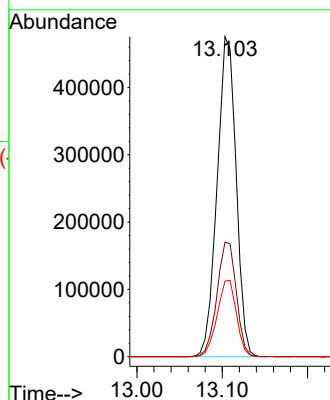
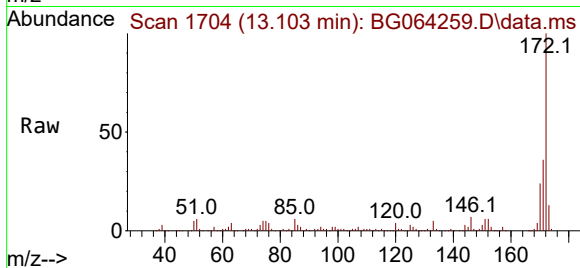
Tgt Ion:172 Resp: 737095

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 9.470 ng

RT: 13.315 min Scan# 1740

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

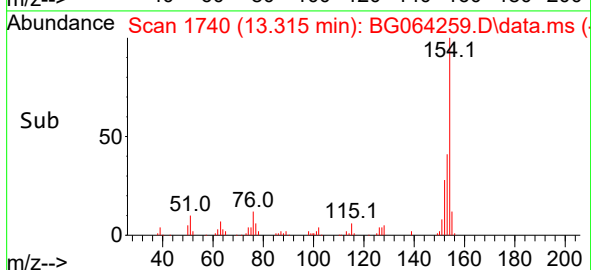
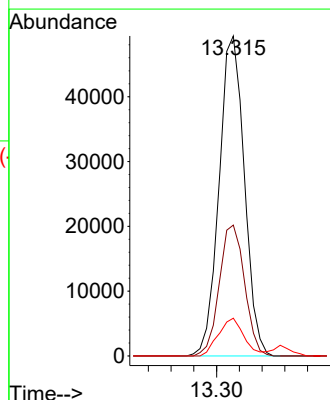
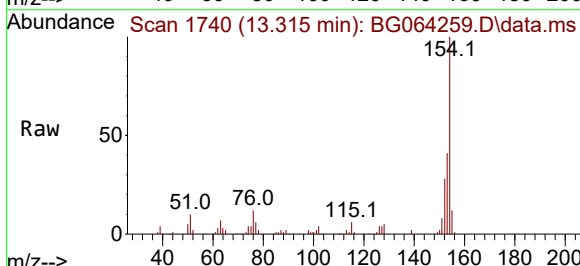
Tgt Ion:154 Resp: 76140

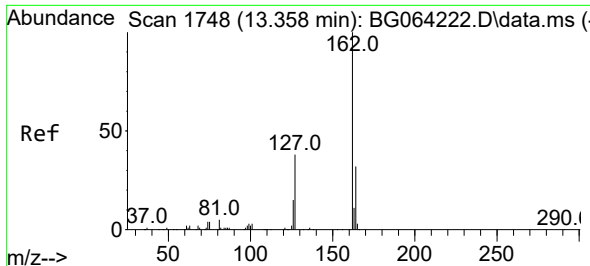
Ion Ratio Lower Upper

154 100

153 40.9 19.9 59.9

76 11.8 0.0 30.9

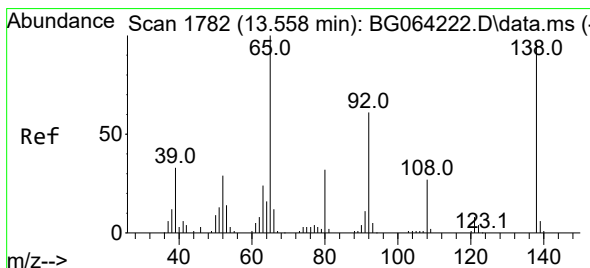
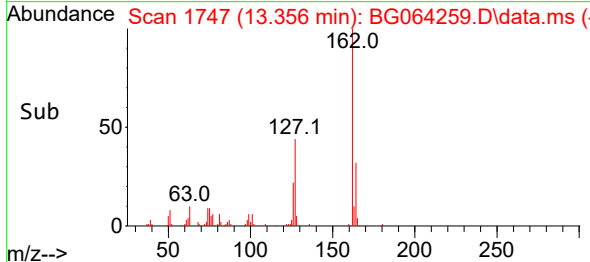
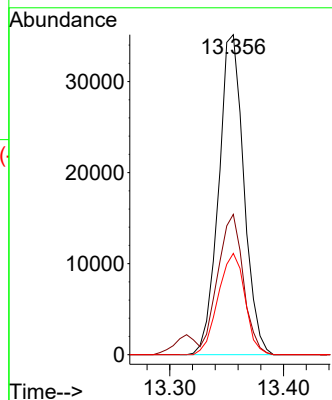
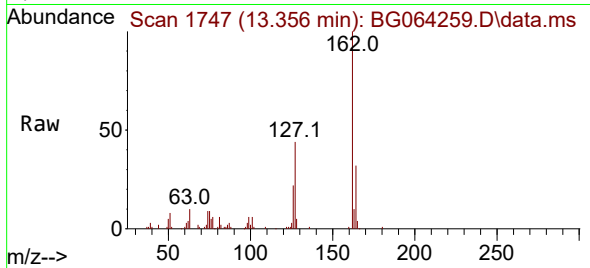




#47
2-Chloronaphthalene
Concen: 8.952 ng
RT: 13.356 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

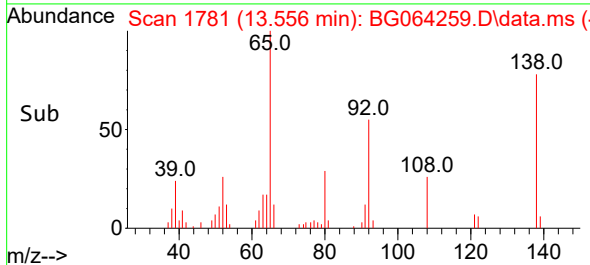
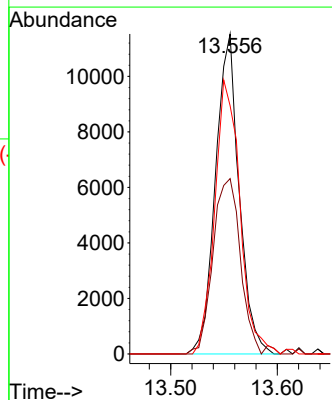
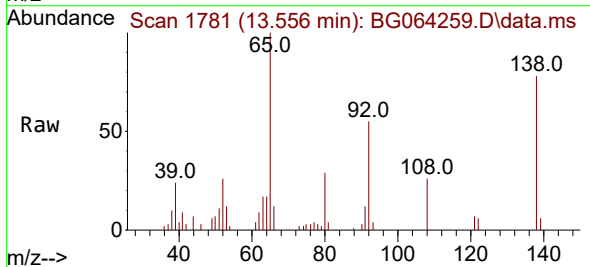
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

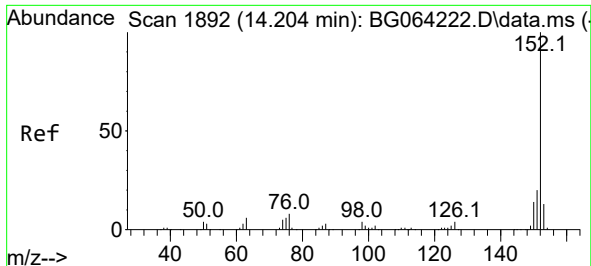
Tgt Ion:162 Resp: 54107
Ion Ratio Lower Upper
162 100
127 43.9 33.9 50.9
164 31.7 25.4 38.2



#48
2-Nitroaniline
Concen: 8.600 ng
RT: 13.556 min Scan# 1781
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion: 65 Resp: 17716
Ion Ratio Lower Upper
65 100
92 54.8 49.2 73.8
138 77.5 76.8 115.2

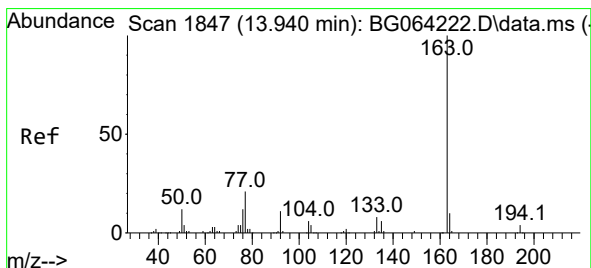
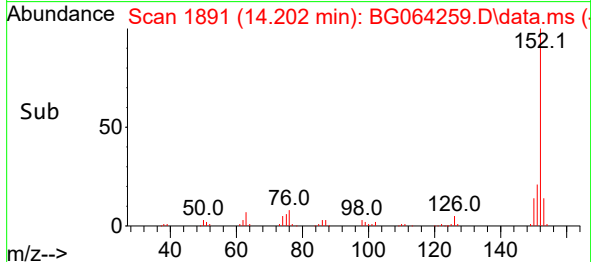
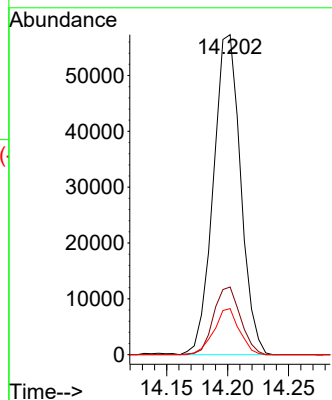
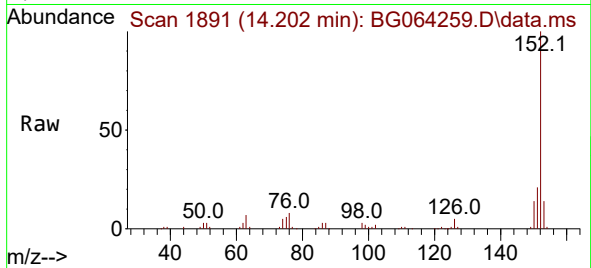




#49
Acenaphthylene
Concen: 9.995 ng
RT: 14.202 min Scan# 1891
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

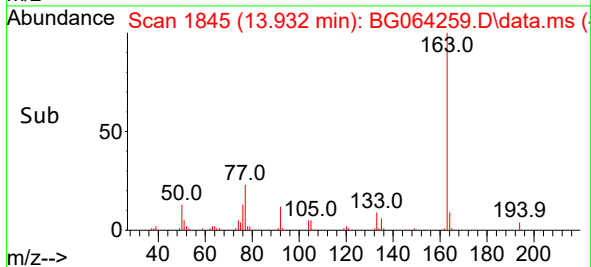
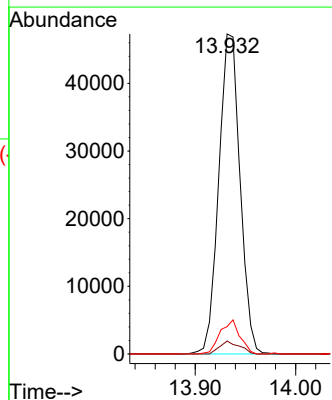
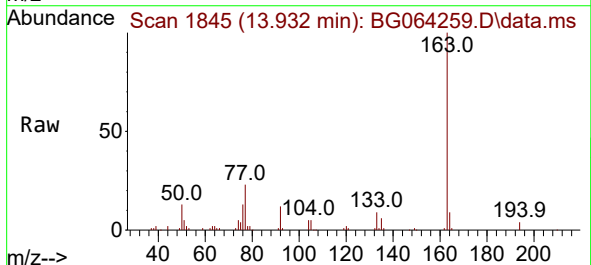
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

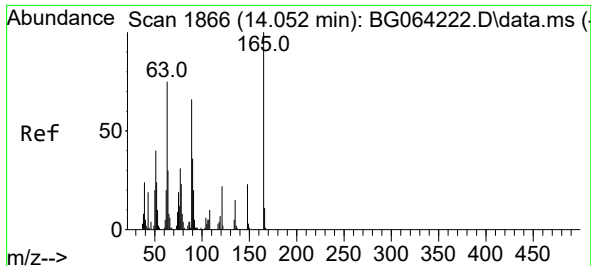
Tgt Ion:152 Resp: 89303
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.2
153 14.4 10.1 15.1



#50
Dimethylphthalate
Concen: 8.317 ng
RT: 13.932 min Scan# 1845
Delta R.T. -0.014 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:163 Resp: 69490
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 8.6 7.9 11.9

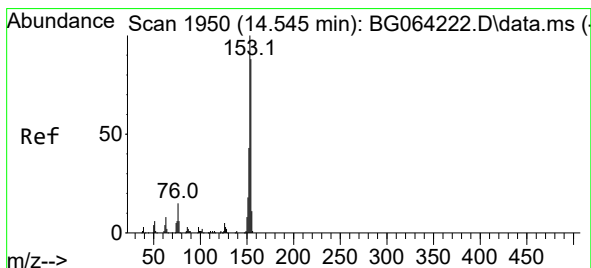
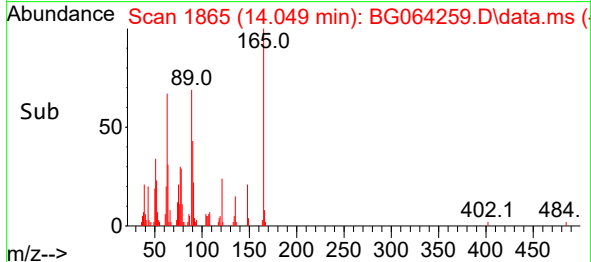
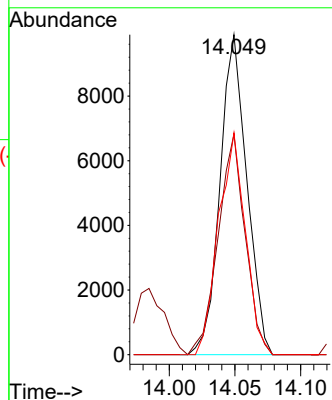
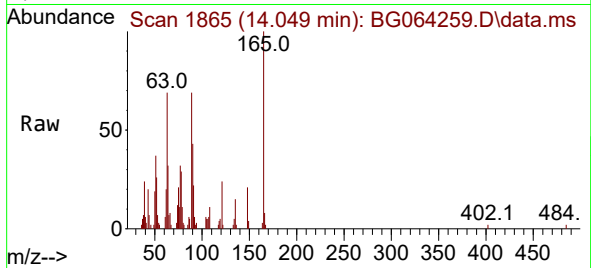




#51
2,6-Dinitrotoluene
Concen: 8.713 ng
RT: 14.049 min Scan# 1865
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

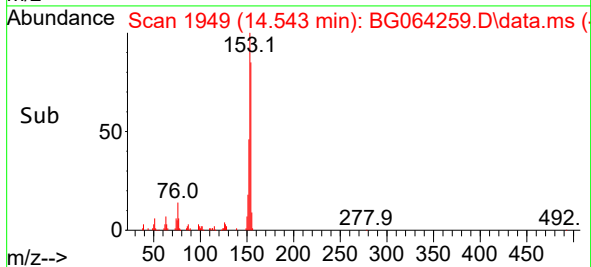
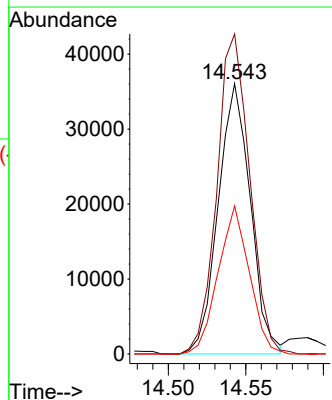
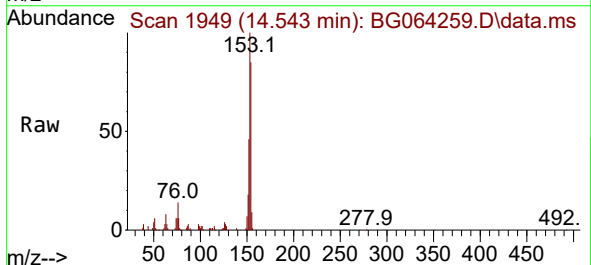
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

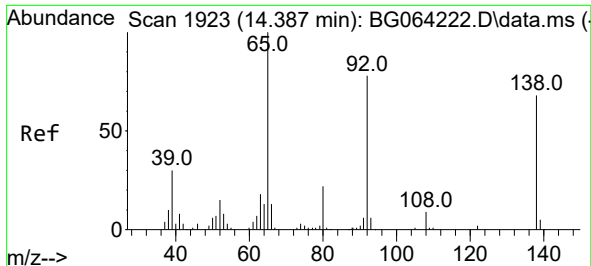
Tgt Ion:165 Resp: 14094
Ion Ratio Lower Upper
165 100
63 68.9 60.3 90.5
89 69.2 52.9 79.3



#52
Acenaphthene
Concen: 8.262 ng
RT: 14.543 min Scan# 1949
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:154 Resp: 52096
Ion Ratio Lower Upper
154 100
153 118.3 91.1 136.7
152 54.7 39.6 59.4

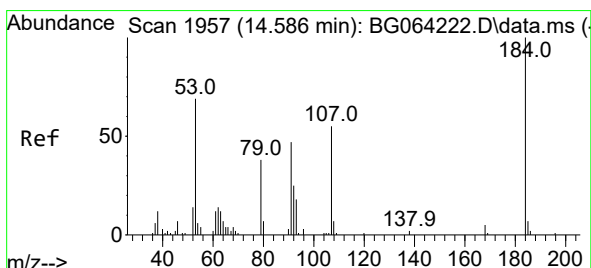
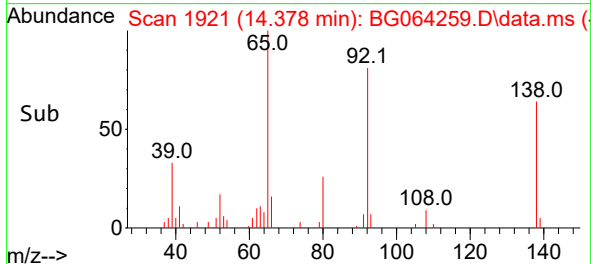
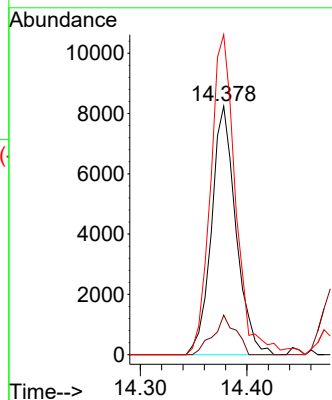
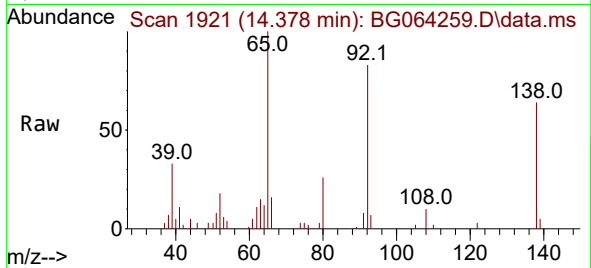




#53
3-Nitroaniline
Concen: 7.748 ng
RT: 14.378 min Scan# 1923
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

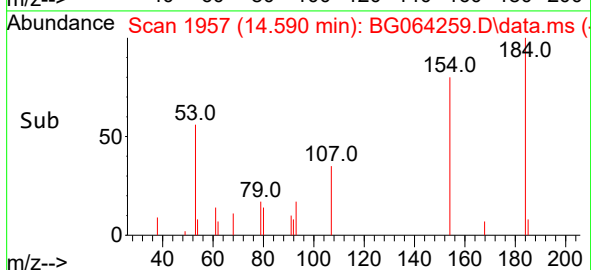
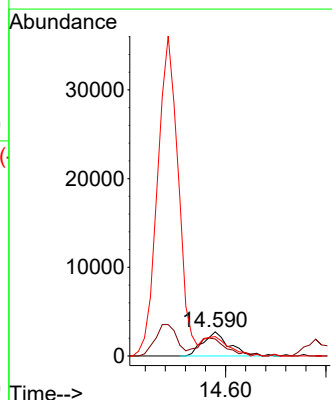
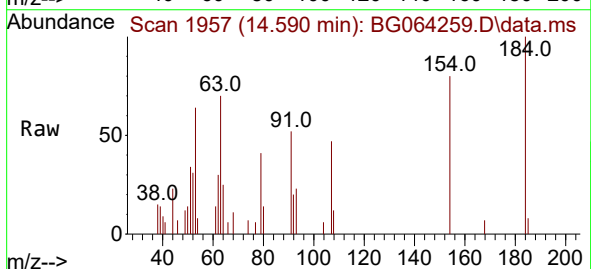
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

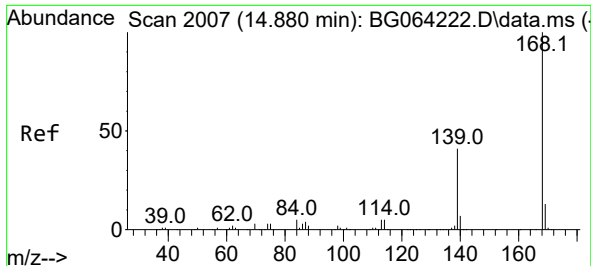
Tgt Ion:138 Resp: 13127
Ion Ratio Lower Upper
138 100
108 15.9 11.0 16.6
92 128.8 91.4 137.0



#54
2,4-Dinitrophenol
Concen: 9.990 ng
RT: 14.590 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:184 Resp: 4933
Ion Ratio Lower Upper
184 100
63 70.3 60.1 90.1
154 79.9 59.8 89.8

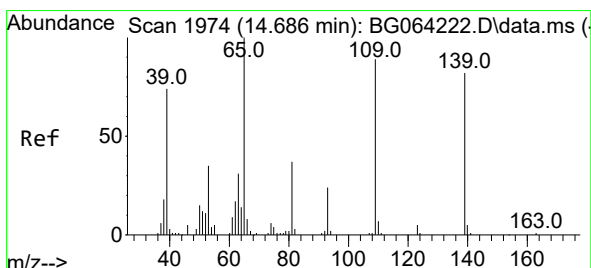
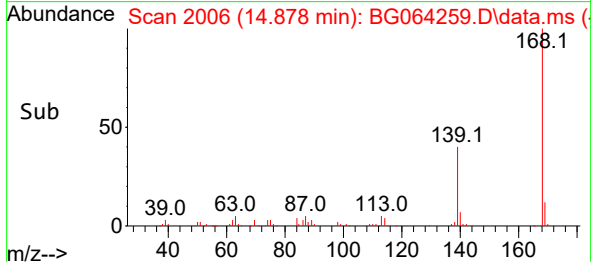
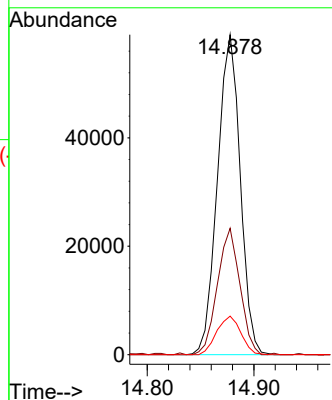
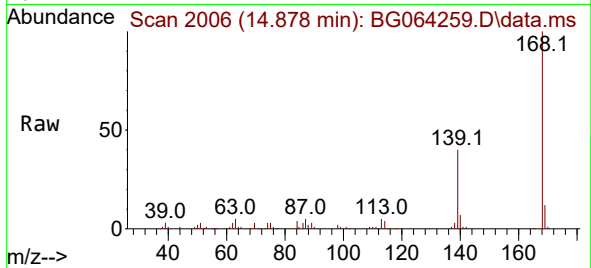




#55
Dibenzenofuran
Concen: 8.820 ng
RT: 14.878 min Scan# 2007
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

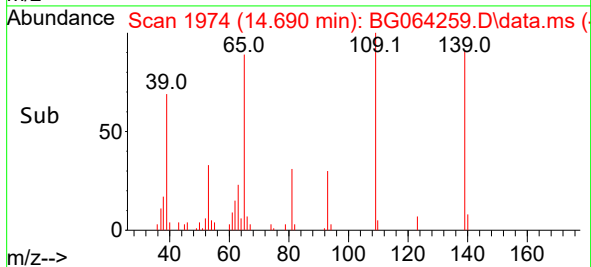
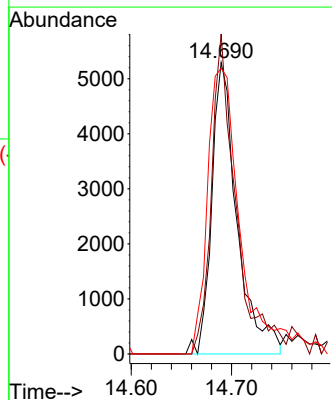
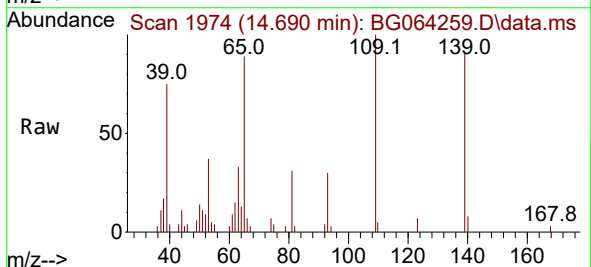
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

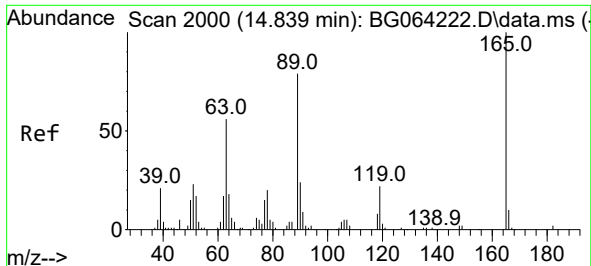
Tgt Ion:168 Resp: 87473
Ion Ratio Lower Upper
168 100
139 39.5 33.2 49.8
169 12.0 10.4 15.6



#56
4-Nitrophenol
Concen: 6.678 ng
RT: 14.690 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:139 Resp: 9281
Ion Ratio Lower Upper
139 100
109 109.8 89.1 129.1
65 98.0 102.9 142.9#

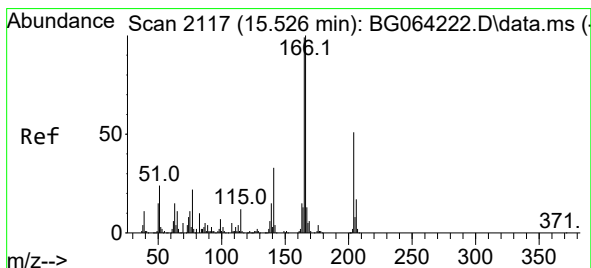
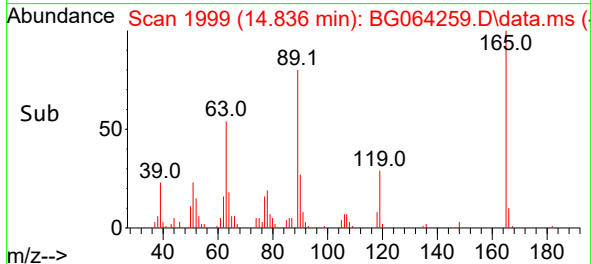
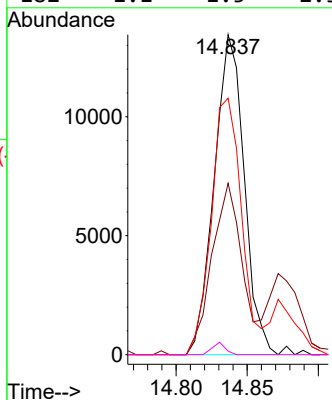
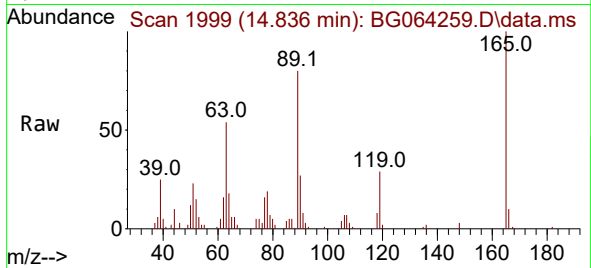




#57
2,4-Dinitrotoluene
Concen: 8.059 ng
RT: 14.836 min Scan# 1999
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

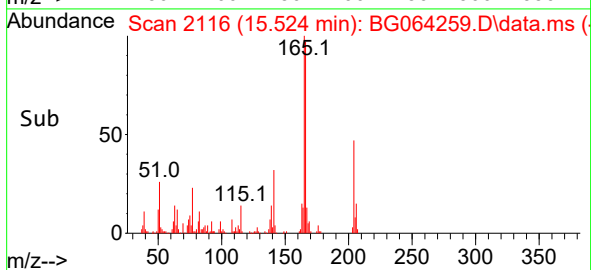
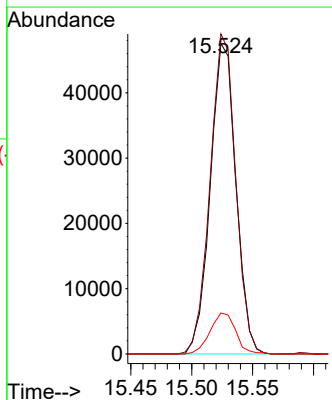
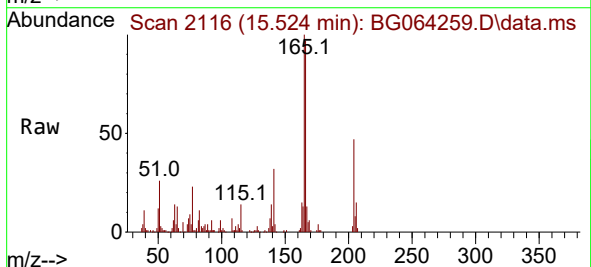
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

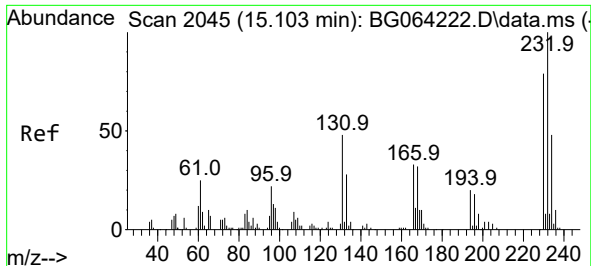
Tgt Ion:165 Resp: 19709
Ion Ratio Lower Upper
165 100
63 53.5 44.6 67.0
89 80.1 63.0 94.4
182 1.1 1.5 2.3#



#58
Fluorene
Concen: 8.559 ng
RT: 15.524 min Scan# 2116
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:166 Resp: 69574
Ion Ratio Lower Upper
166 100
165 103.0 79.1 118.7
167 13.2 10.2 15.4

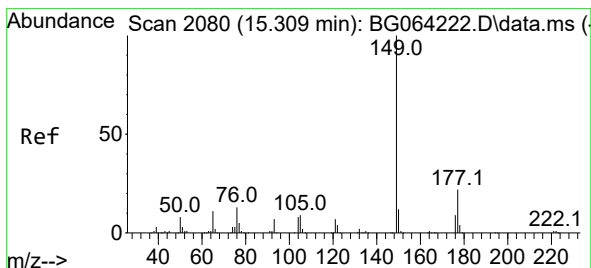
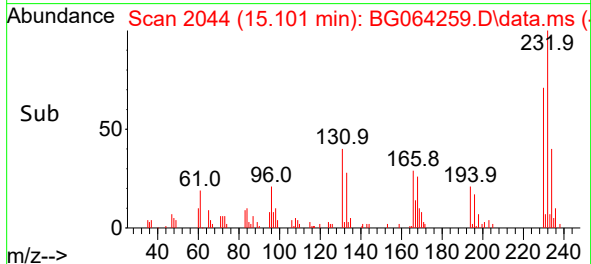
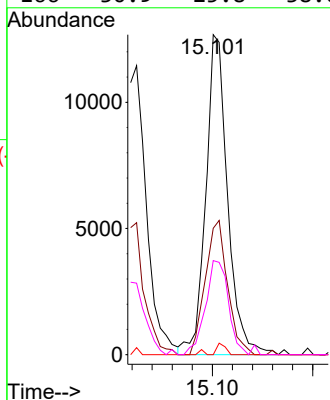
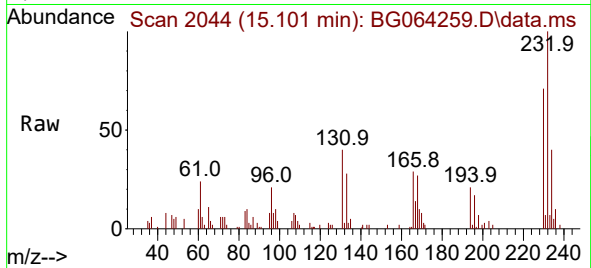




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.612 ng
RT: 15.101 min Scan# 2044
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

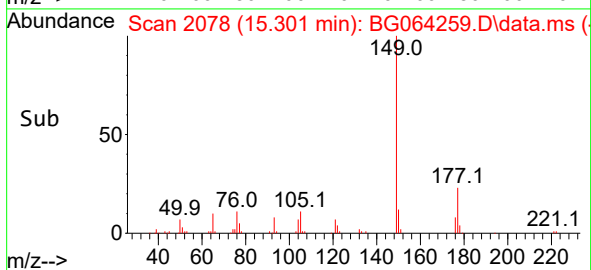
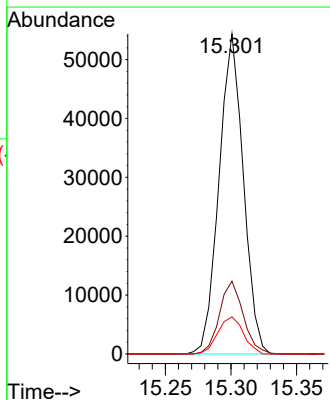
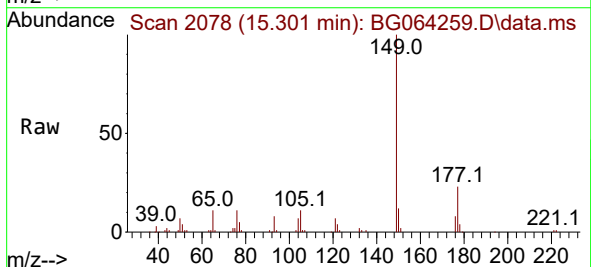
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

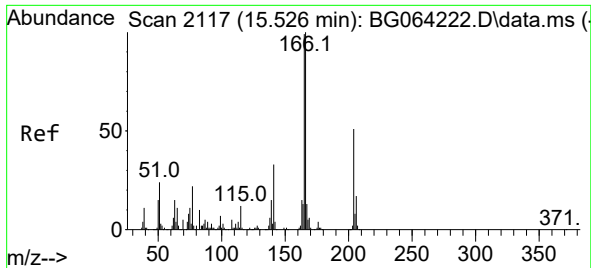
Tgt Ion:232 Resp: 19127
Ion Ratio Lower Upper
232 100
131 42.9 37.1 55.7
130 1.4 2.6 3.8#
166 30.9 25.8 38.6



#60
Diethylphthalate
Concen: 7.812 ng
RT: 15.301 min Scan# 2078
Delta R.T. -0.014 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:149 Resp: 69850
Ion Ratio Lower Upper
149 100
177 22.7 17.5 26.3
150 11.6 9.9 14.9

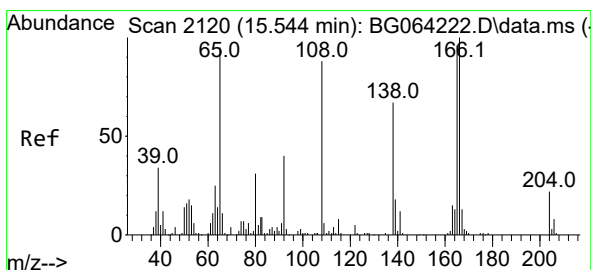
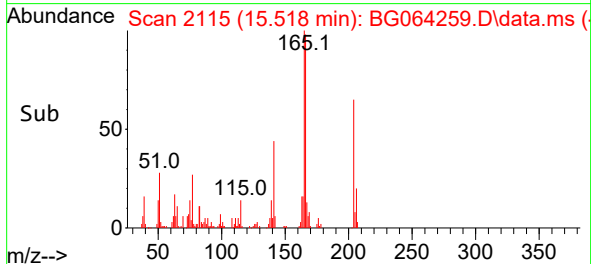
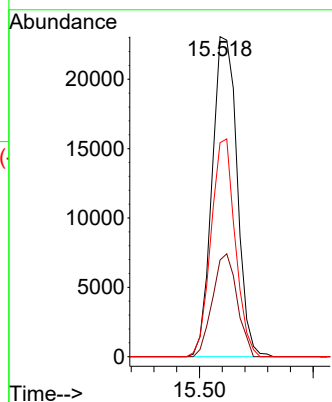
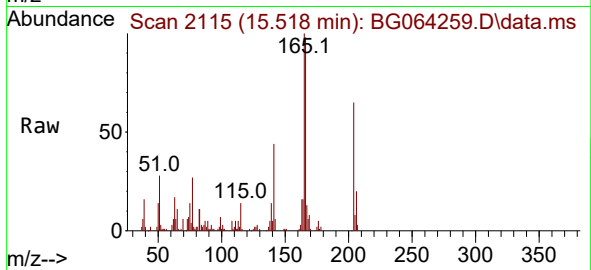




#61
4-Chlorophenyl-phenylether
Concen: 8.680 ng
RT: 15.518 min Scan# 2117
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

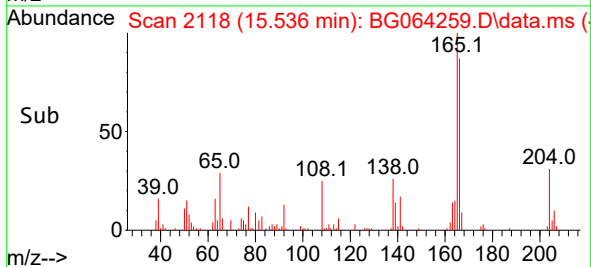
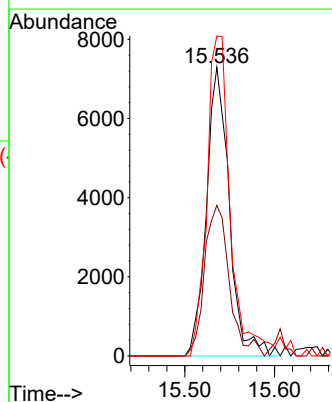
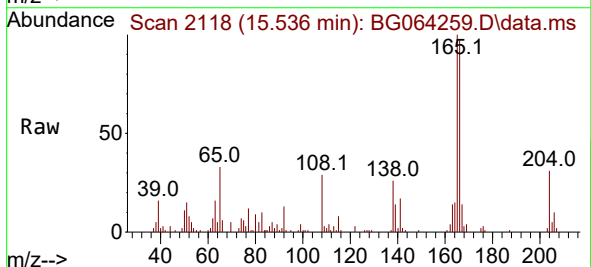
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

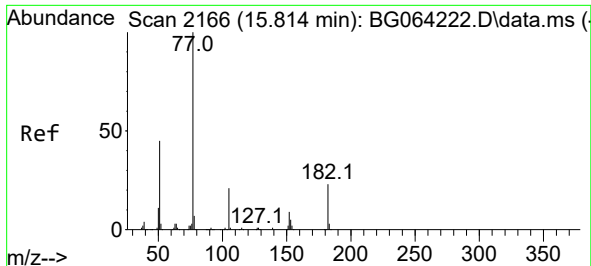
Tgt Ion:204 Resp: 35178
Ion Ratio Lower Upper
204 100
206 30.2 26.2 39.4
141 66.8 51.9 77.9



#62
4-Nitroaniline
Concen: 7.458 ng
RT: 15.536 min Scan# 2118
Delta R.T. -0.020 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:138 Resp: 12894
Ion Ratio Lower Upper
138 100
92 52.2 39.1 79.1
108 110.9 111.3 151.3#

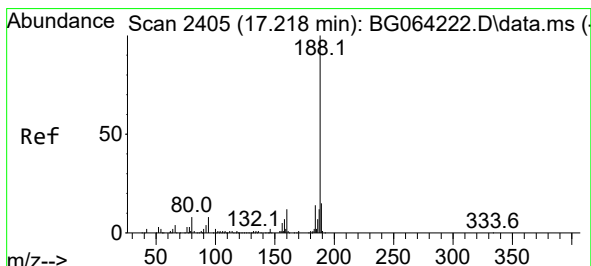
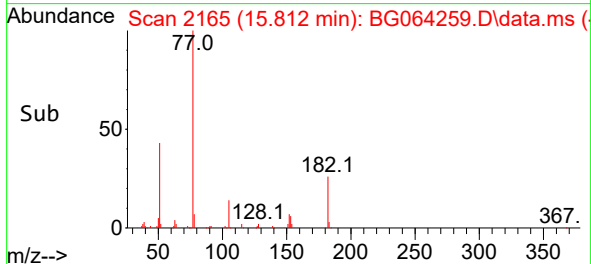
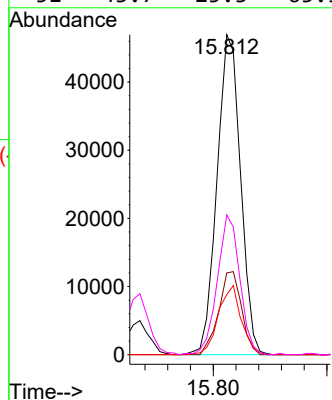
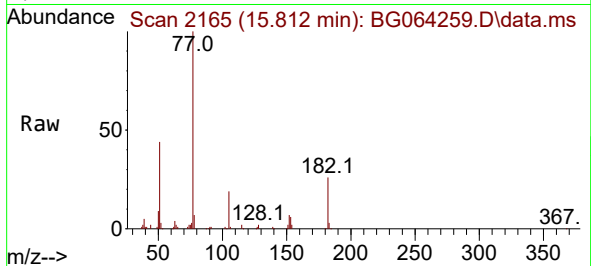




#63
 Azobenzene
 Concen: 8.486 ng
 RT: 15.812 min Scan# 2166
 Delta R.T. -0.009 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

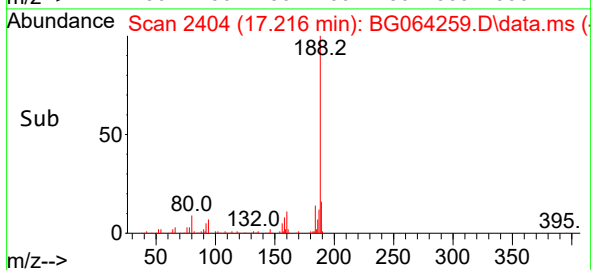
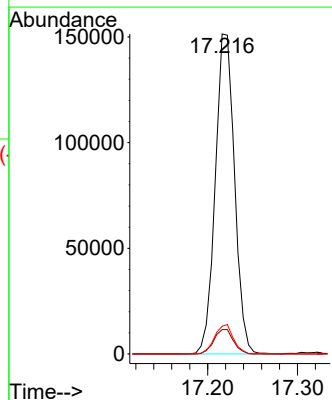
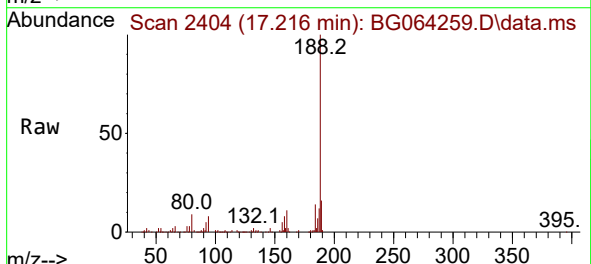
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

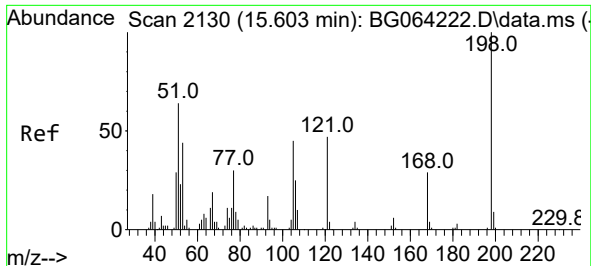
Tgt Ion: 77	Resp: 67629
Ion Ratio	Lower Upper
77	100
182	25.5 3.3 43.3
105	18.8 0.6 40.6
51	43.7 25.3 65.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.216 min Scan# 2404
 Delta R.T. -0.009 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

Tgt Ion: 188	Resp: 225818
Ion Ratio	Lower Upper
188	100
94	7.6 6.2 9.4
80	8.7 6.8 10.2

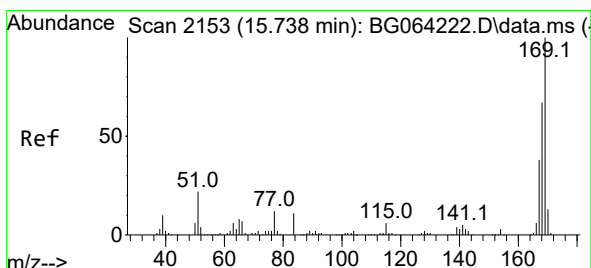
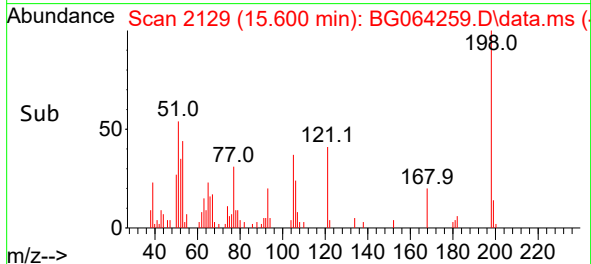
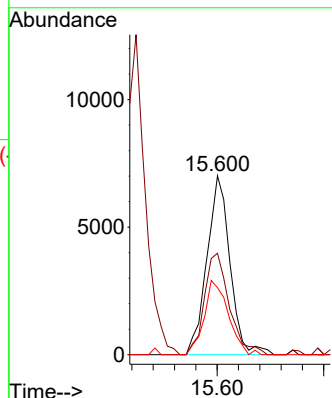
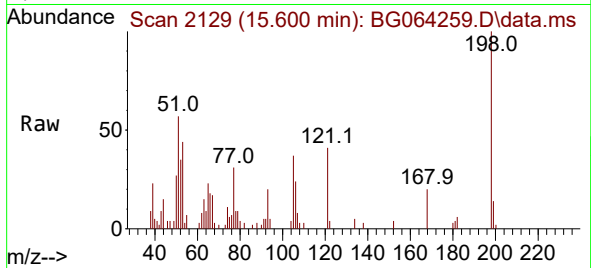




#65
4,6-Dinitro-2-methylphenol
Concen: 8.160 ng
RT: 15.600 min Scan# 2130
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

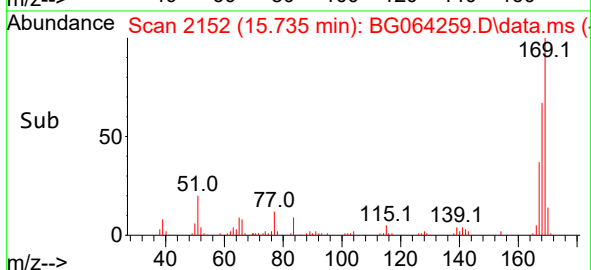
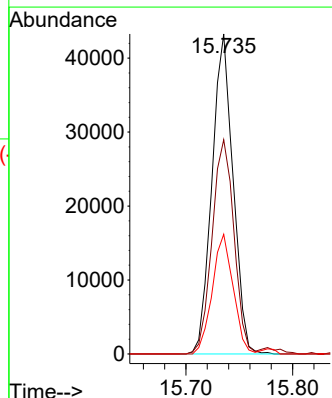
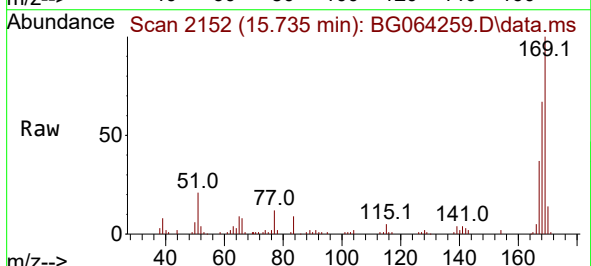
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

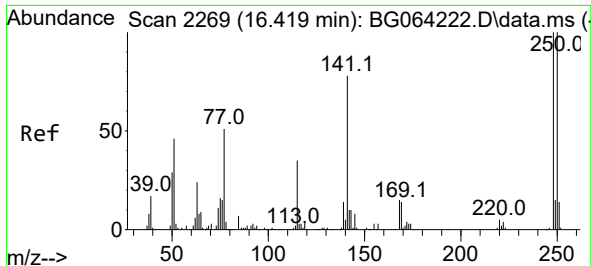
Tgt Ion:198 Resp: 10579
Ion Ratio Lower Upper
198 100
51 56.7 46.2 86.2
105 37.5 25.0 65.0



#66
n-Nitrosodiphenylamine
Concen: 9.553 ng
RT: 15.735 min Scan# 2152
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

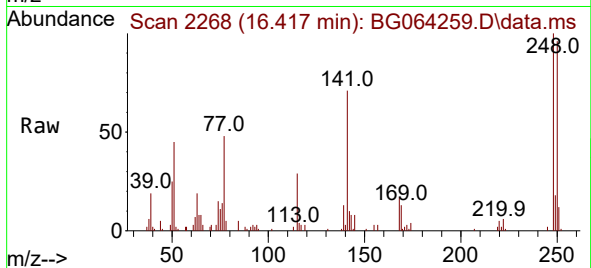
Tgt Ion:169 Resp: 59342
Ion Ratio Lower Upper
169 100
168 67.0 53.8 80.8
167 37.4 30.2 45.2



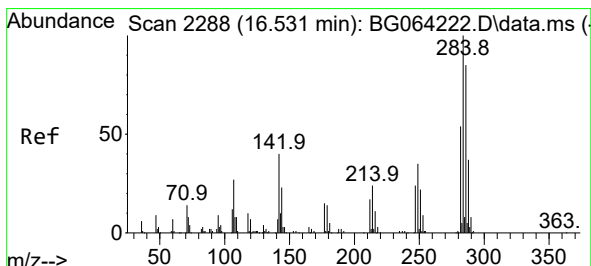
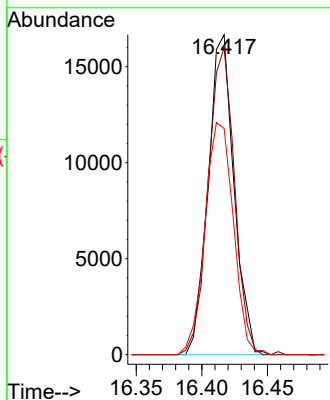
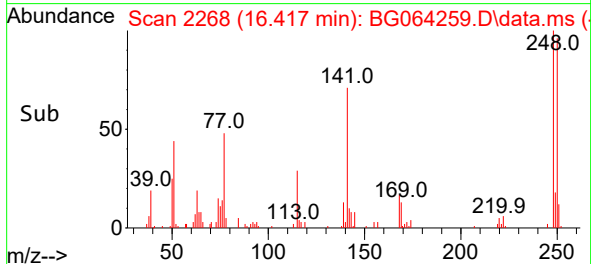


#67
4-Bromophenyl-phenylether
Concen: 9.493 ng
RT: 16.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

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

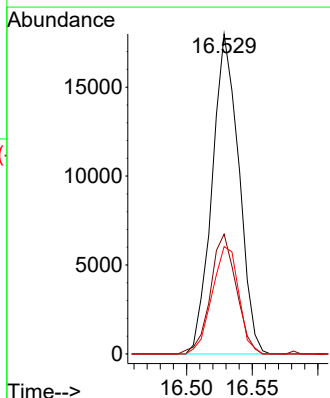
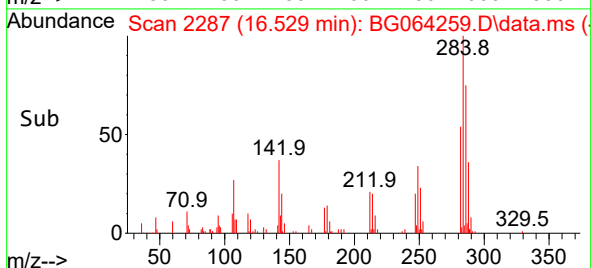
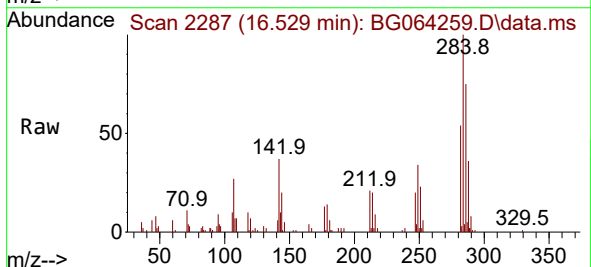


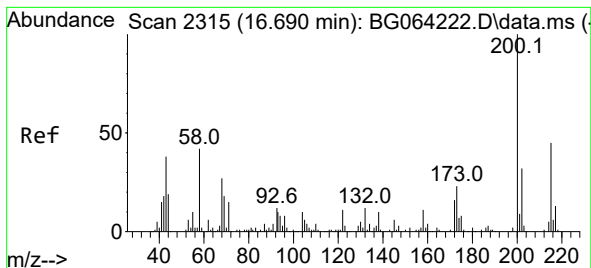
Tgt Ion:248 Resp: 22769
Ion Ratio Lower Upper
248 100
250 96.0 80.2 120.4
141 70.7 62.4 93.6



#68
Hexachlorobenzene
Concen: 9.559 ng
RT: 16.529 min Scan# 2287
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:284 Resp: 25461
Ion Ratio Lower Upper
284 100
142 37.4 32.1 48.1
249 33.6 28.3 42.5





#69

Atrazine

Concen: 8.954 ng

RT: 16.681 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

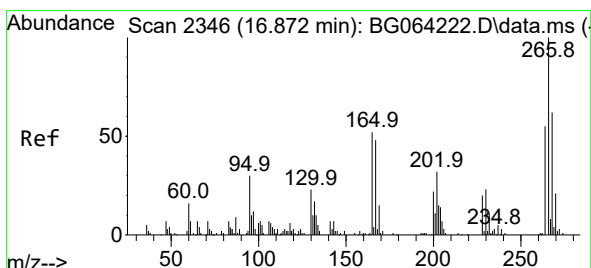
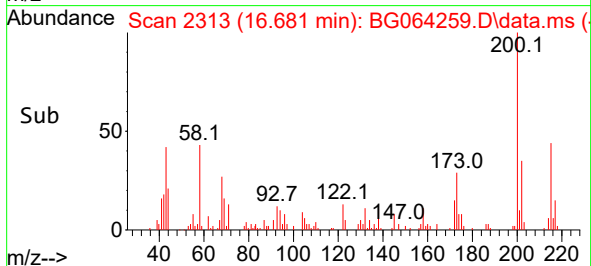
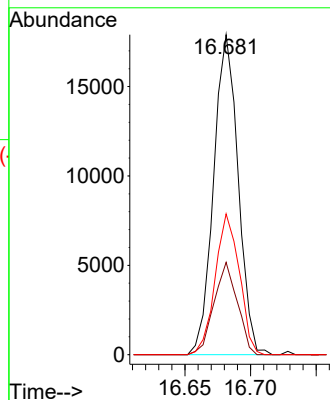
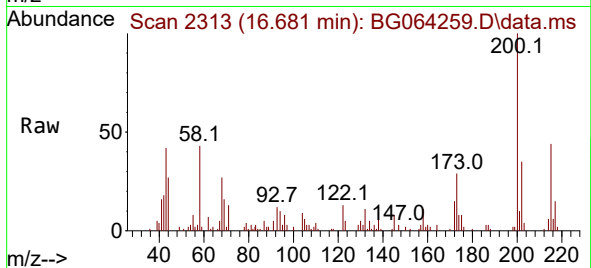
Tgt Ion:200 Resp: 23226

Ion Ratio Lower Upper

200 100

173 28.9 3.5 43.5

215 44.0 24.8 64.8



#70

Pentachlorophenol

Concen: 8.149 ng

RT: 16.875 min Scan# 2346

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

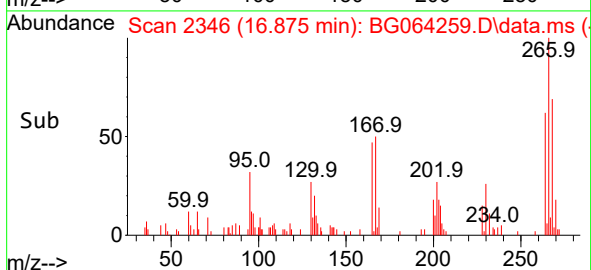
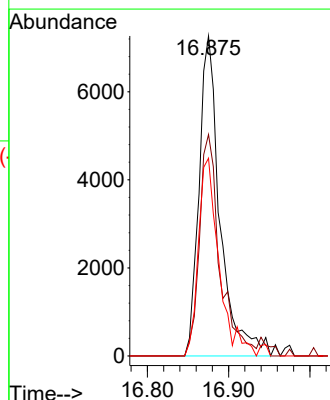
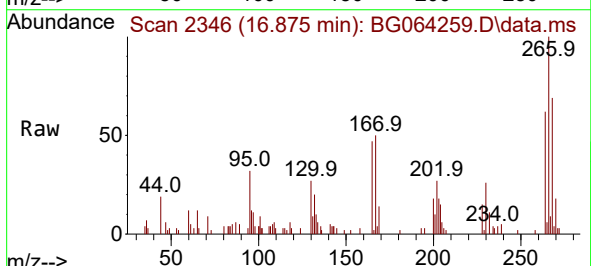
Tgt Ion:266 Resp: 13160

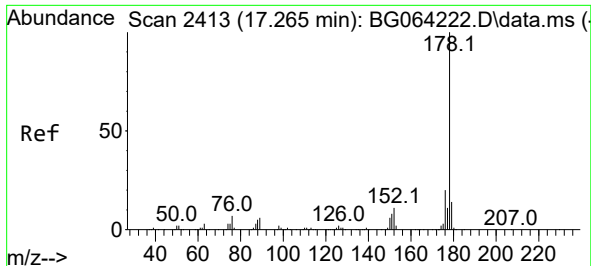
Ion Ratio Lower Upper

266 100

268 69.2 49.4 74.0

264 61.8 44.3 66.5

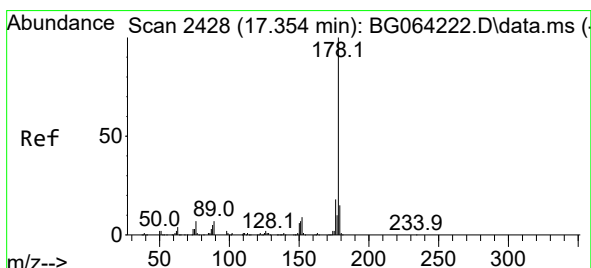
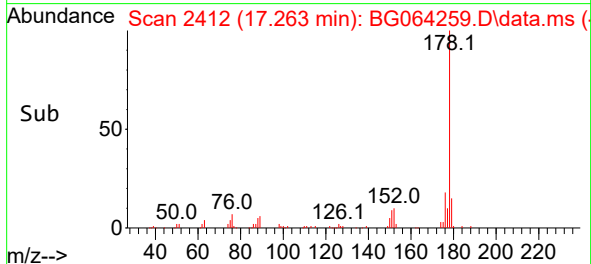
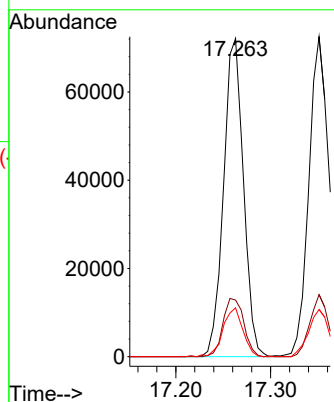
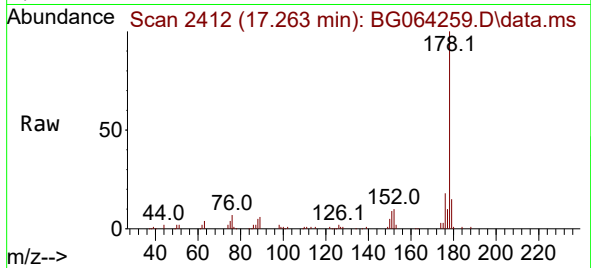




#71
Phenanthrene
Concen: 8.823 ng
RT: 17.263 min Scan# 2413
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

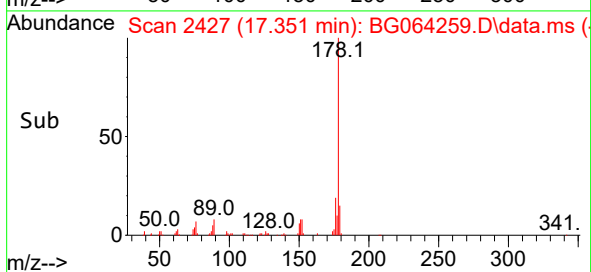
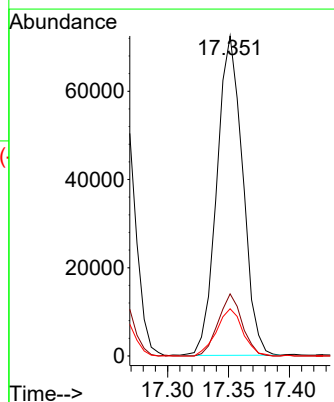
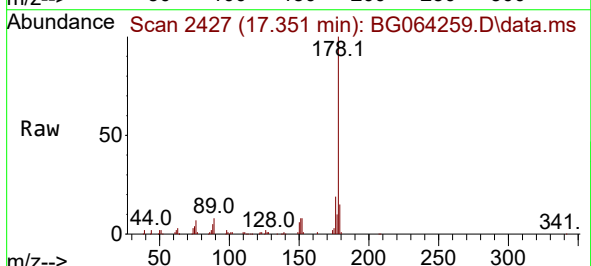
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

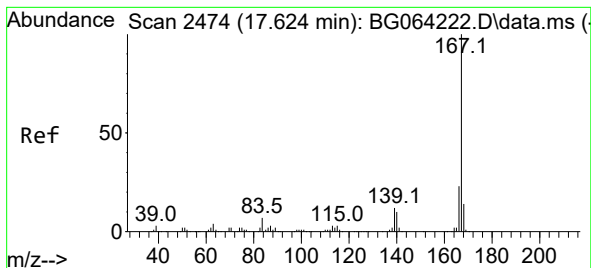
Tgt Ion:178 Resp: 105083
Ion Ratio Lower Upper
178 100
176 17.8 15.9 23.9
179 15.3 11.4 17.2



#72
Anthracene
Concen: 8.795 ng
RT: 17.351 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:178 Resp: 106551
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 14.8 12.1 18.1





#73

Carbazole

Concen: 9.107 ng

RT: 17.616 min Scan# 2472

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

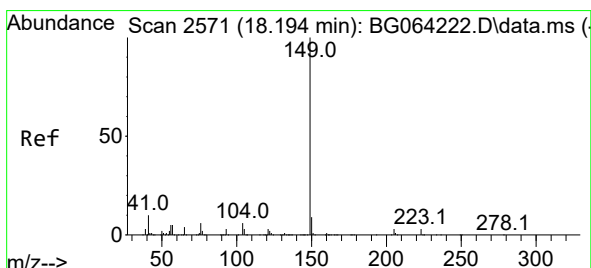
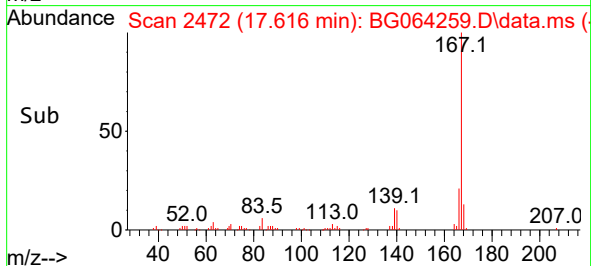
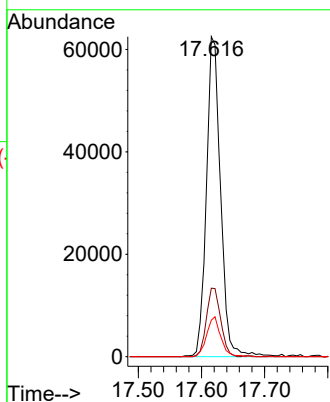
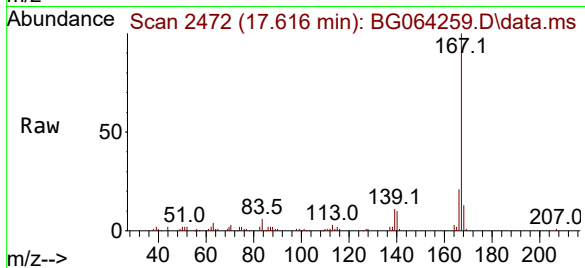
Tgt Ion:167 Resp: 97202

Ion Ratio Lower Upper

167 100

166 21.4 18.2 27.2

139 11.4 9.8 14.6



#74

Di-n-butylphthalate

Concen: 9.376 ng

RT: 18.186 min Scan# 2569

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

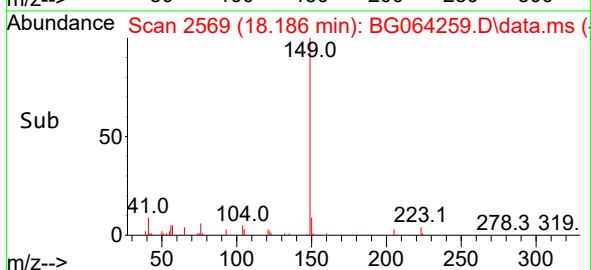
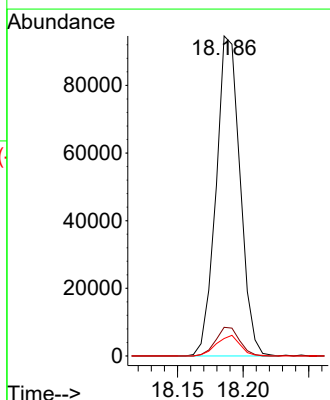
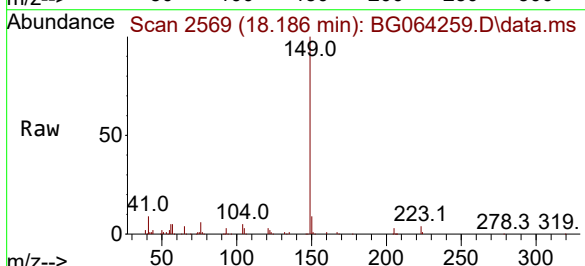
Tgt Ion:149 Resp: 120230

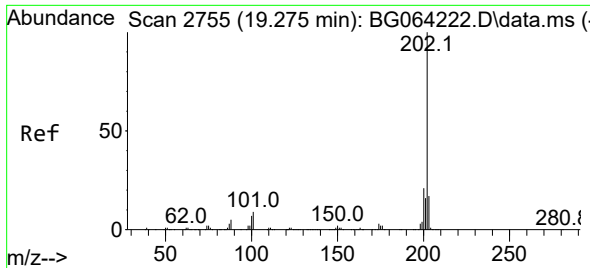
Ion Ratio Lower Upper

149 100

150 8.9 7.5 11.3

104 5.5 4.6 7.0

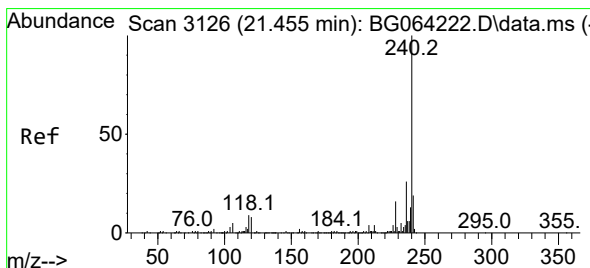
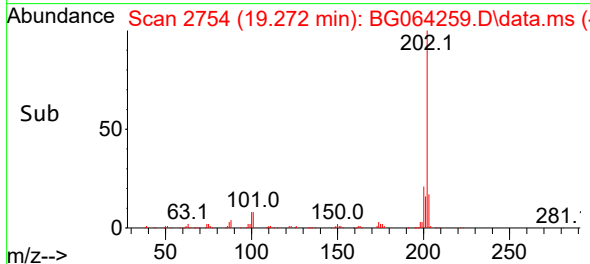
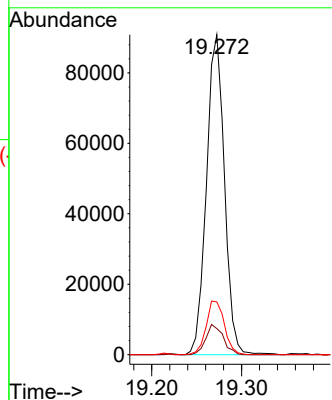
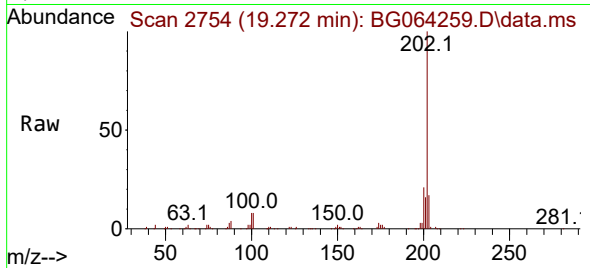




#75
Fluoranthene
Concen: 9.031 ng
RT: 19.272 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

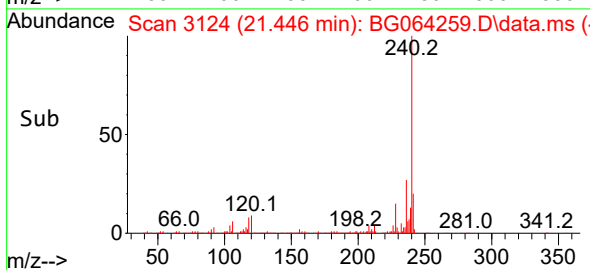
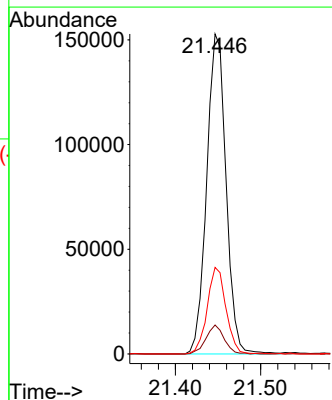
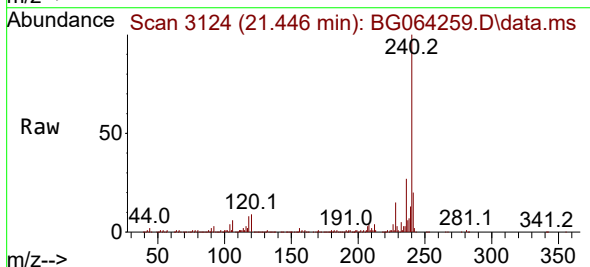
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

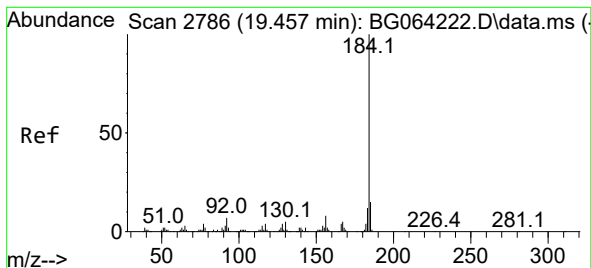
Tgt Ion:202 Resp: 126480
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.7
203 16.5 0.0 36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3124
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:240 Resp: 240804
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.4
236 27.1 20.5 30.7





#77

Benzidine

Concen: 10.363 ng

RT: 19.455 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

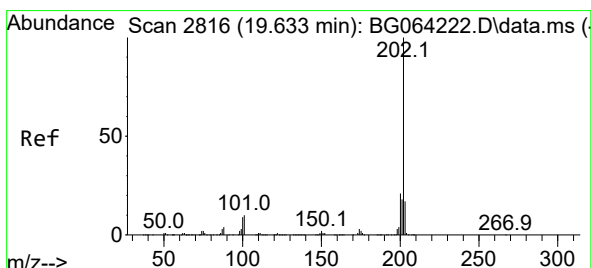
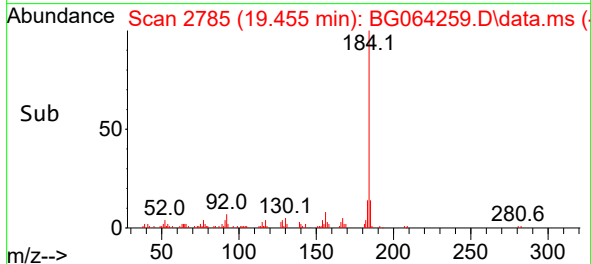
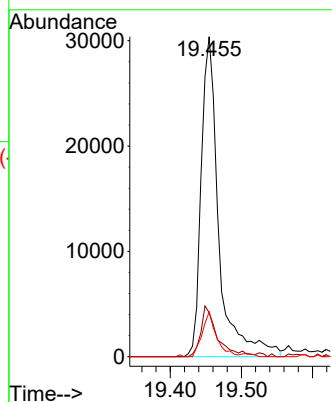
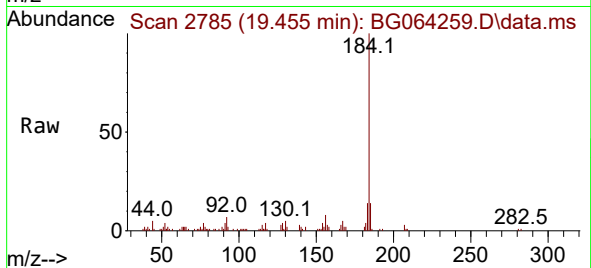
Tgt Ion:184 Resp: 52497

Ion Ratio Lower Upper

184 100

185 13.8 11.7 17.5

183 13.9 9.7 14.5



#78

Pyrene

Concen: 8.708 ng

RT: 19.631 min Scan# 2815

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

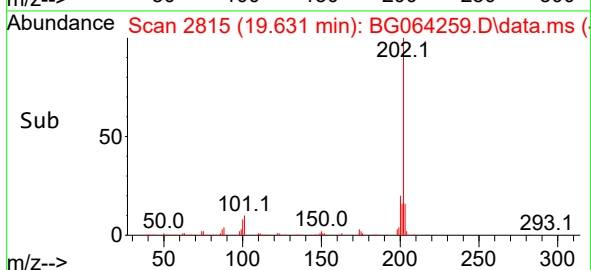
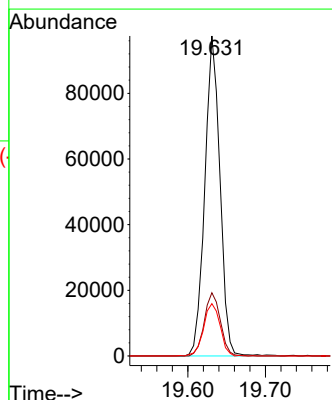
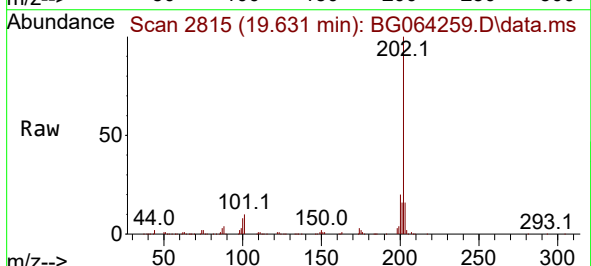
Tgt Ion:202 Resp: 132109

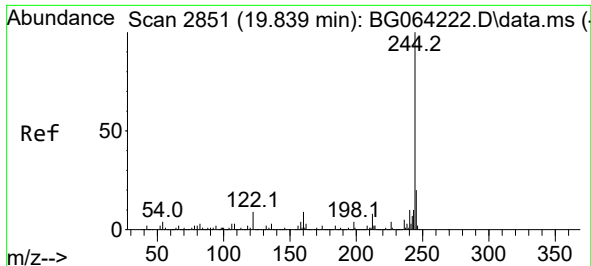
Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

203 16.3 13.8 20.8

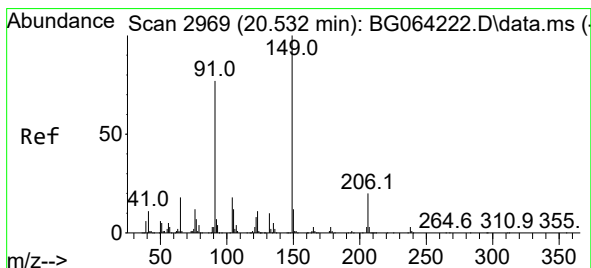
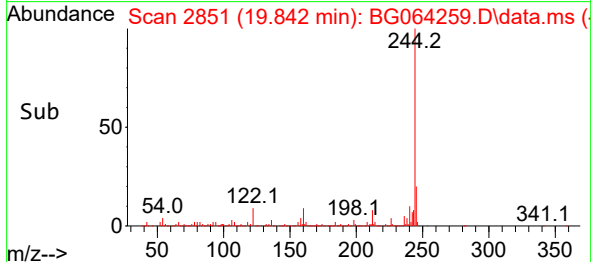
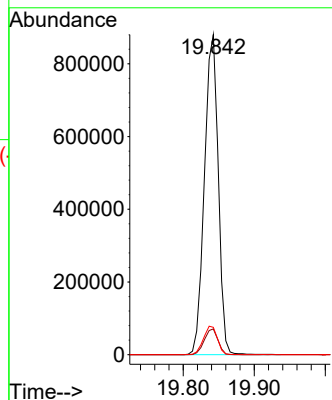
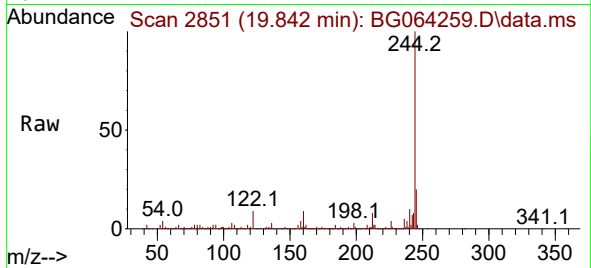




#79
 Terphenyl-d14
 Concen: 103.309 ng
 RT: 19.842 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

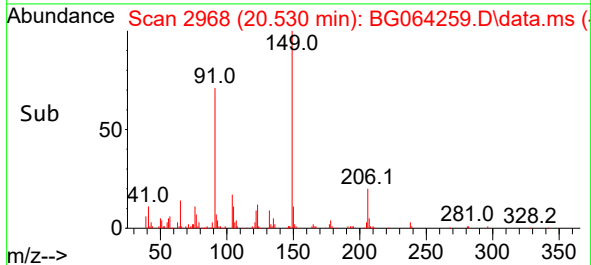
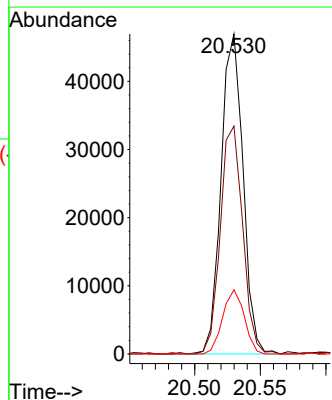
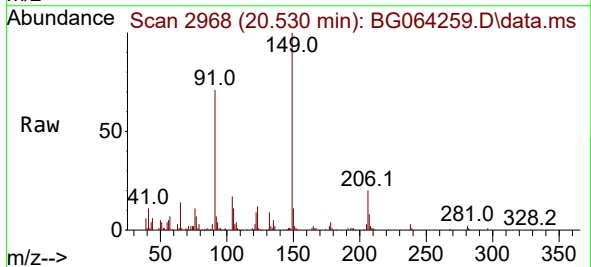
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

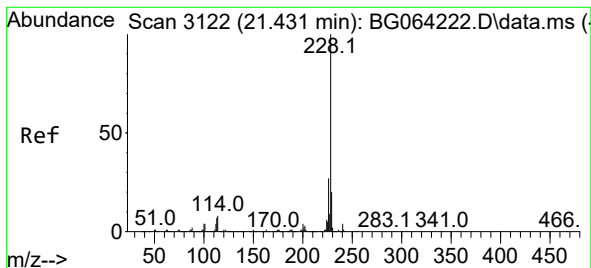
Tgt Ion:244 Resp: 1192380
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 10.0
 122 8.6 7.0 10.6



#80
 Butylbenzylphthalate
 Concen: 9.533 ng
 RT: 20.530 min Scan# 2968
 Delta R.T. -0.003 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

Tgt Ion:149 Resp: 54549
 Ion Ratio Lower Upper
 149 100
 91 71.2 61.4 92.0
 206 20.0 15.8 23.6





#81

Benzo(a)anthracene

Concen: 8.905 ng

RT: 21.429 min Scan# 3121

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

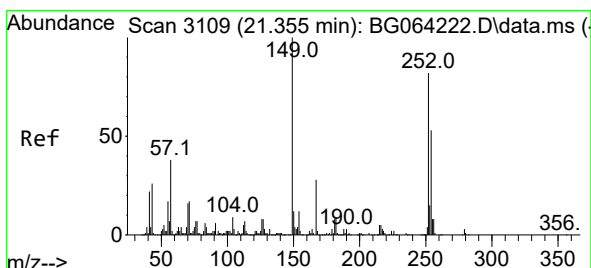
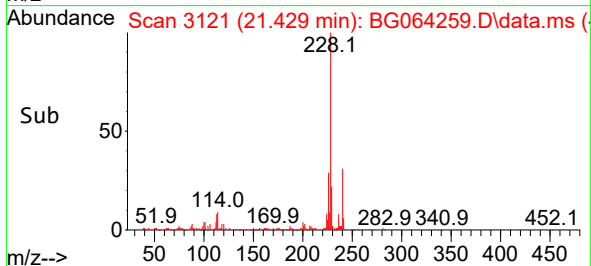
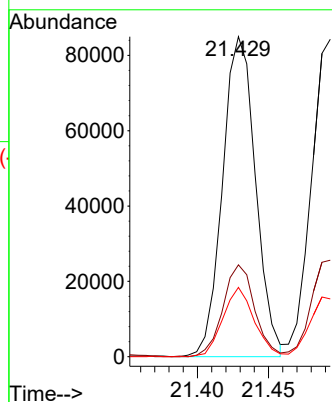
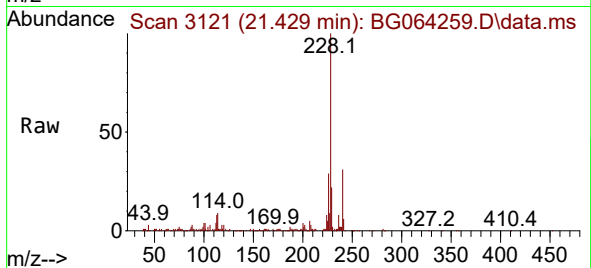
Tgt Ion:228 Resp: 137192

Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 21.7 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 9.519 ng

RT: 21.352 min Scan# 3108

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

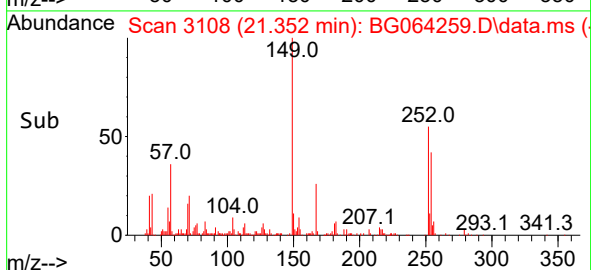
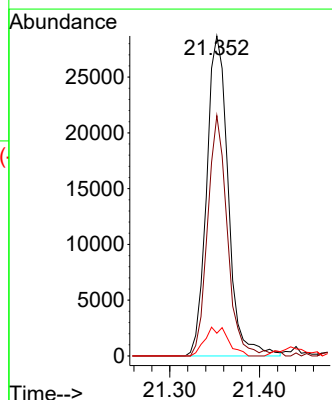
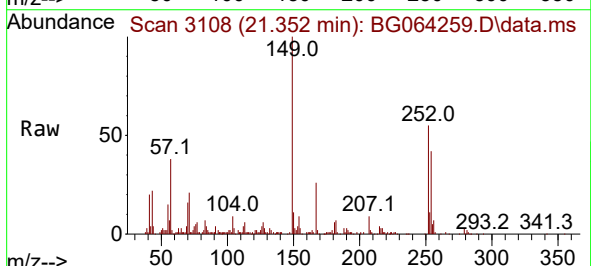
Tgt Ion:252 Resp: 47761

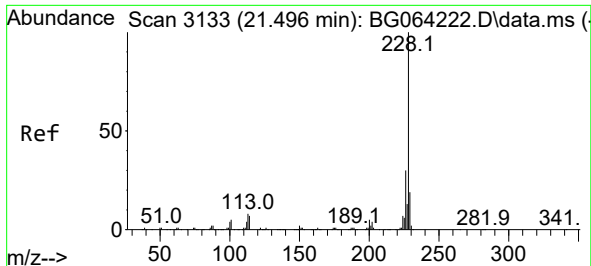
Ion Ratio Lower Upper

252 100

254 75.1 51.9 77.9

126 7.1 7.6 11.4#

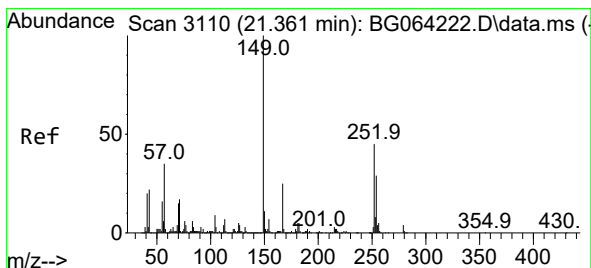
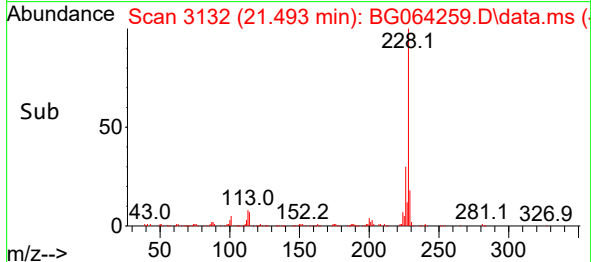
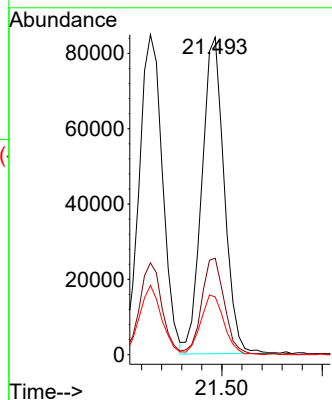
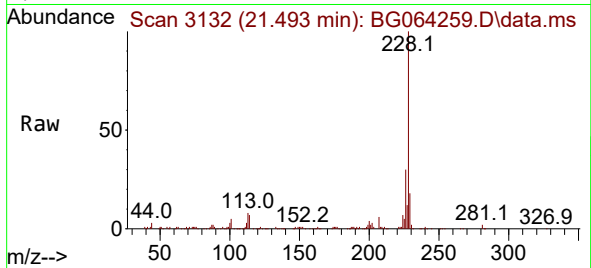




#83
Chrysene
Concen: 8.815 ng
RT: 21.493 min Scan# 3133
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

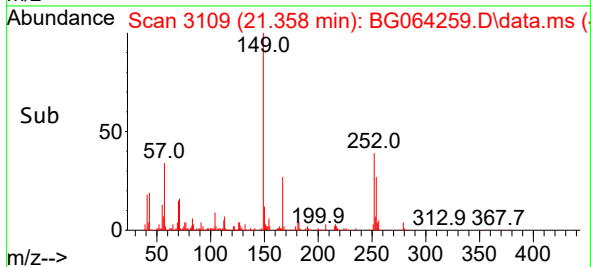
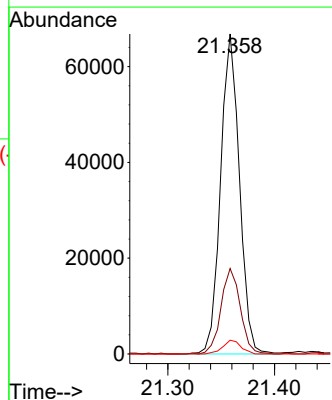
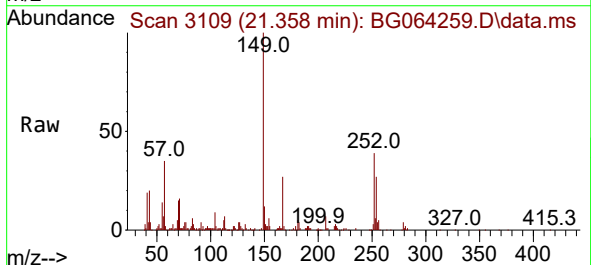
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

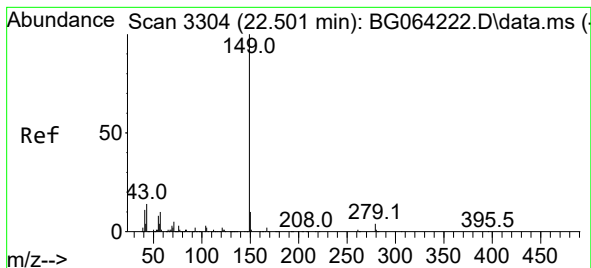
Tgt Ion:228 Resp: 130377
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 18.2 15.4 23.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.510 ng
RT: 21.358 min Scan# 3109
Delta R.T. -0.009 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:149 Resp: 81702
Ion Ratio Lower Upper
149 100
167 26.7 20.0 30.0
279 4.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 9.299 ng

RT: 22.498 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

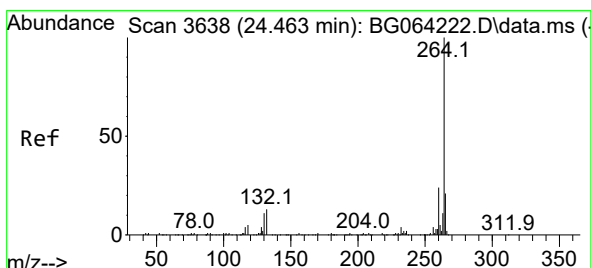
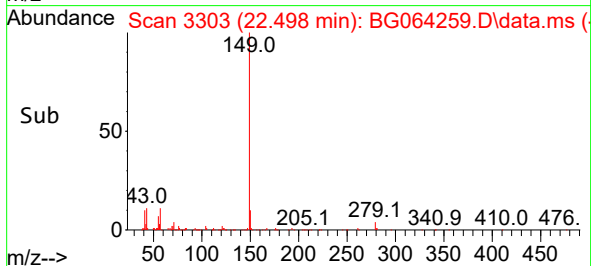
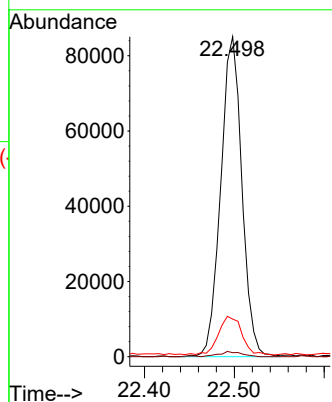
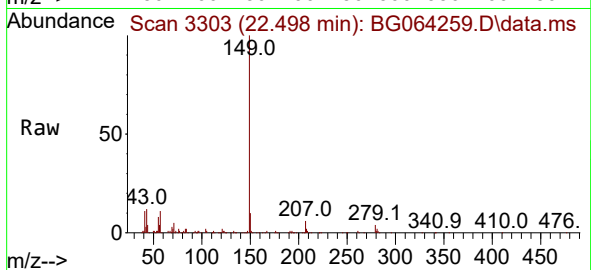
Tgt Ion:149 Resp: 139199

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 13.3 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.455 min Scan# 3636

Delta R.T. -0.009 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

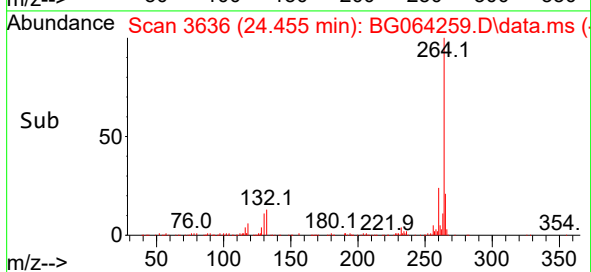
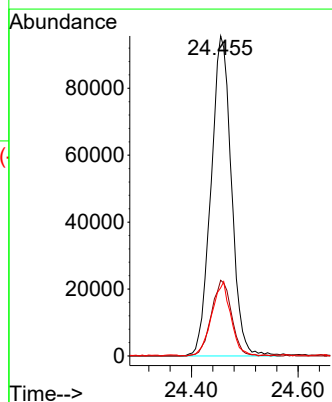
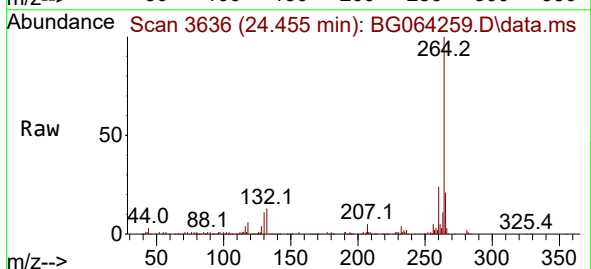
Tgt Ion:264 Resp: 254292

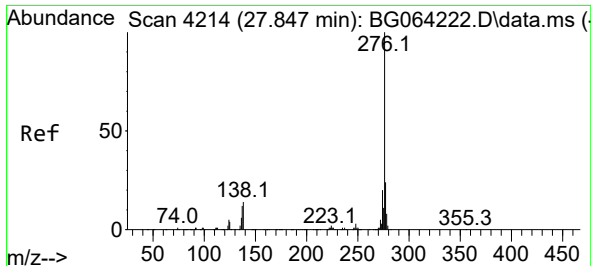
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.3 16.7 25.1

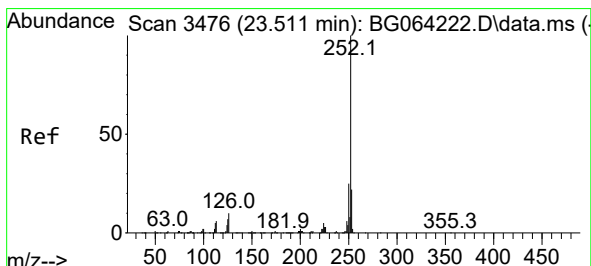
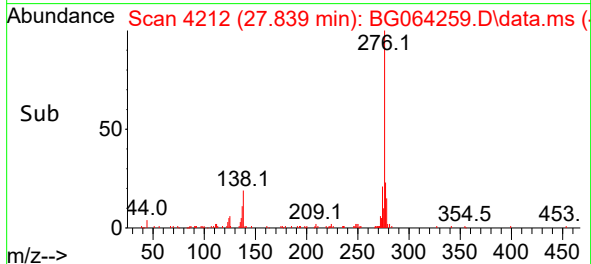
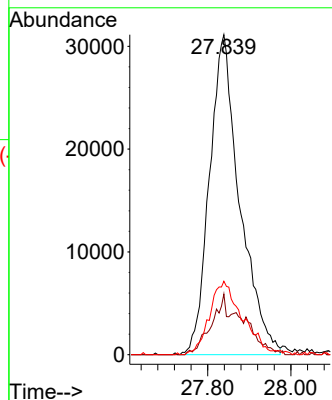
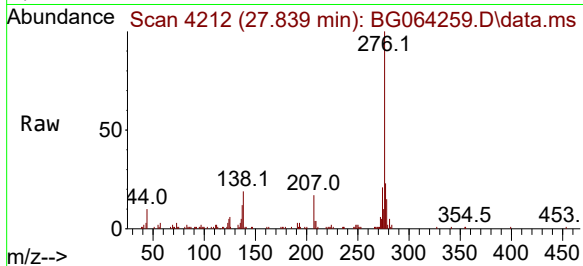




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.063 ng
 RT: 27.839 min Scan# 41
 Delta R.T. -0.032 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

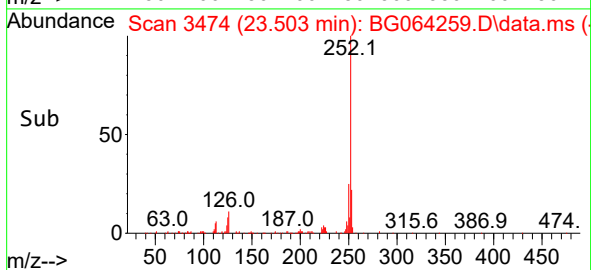
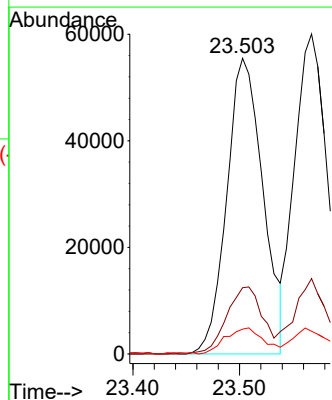
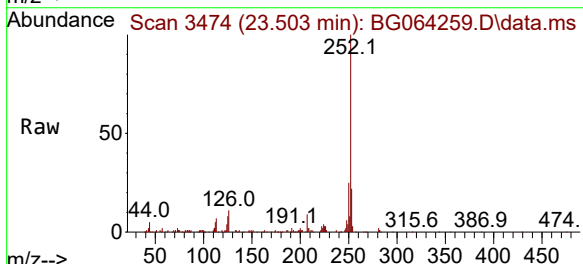
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

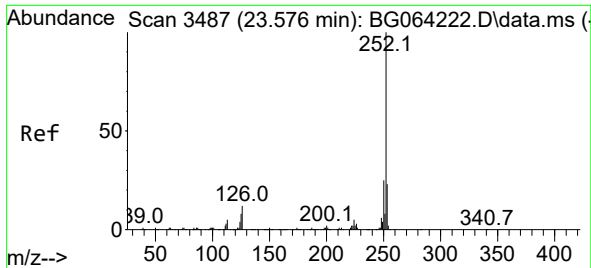
Tgt Ion:276 Resp: 157387
 Ion Ratio Lower Upper
 276 100
 138 10.0 7.4 11.0
 277 24.6 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 9.139 ng
 RT: 23.503 min Scan# 3474
 Delta R.T. -0.014 min
 Lab File: BG064259.D
 Acq: 3 Sep 2025 18:30

Tgt Ion:252 Resp: 131160
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 8.4 5.9 8.9

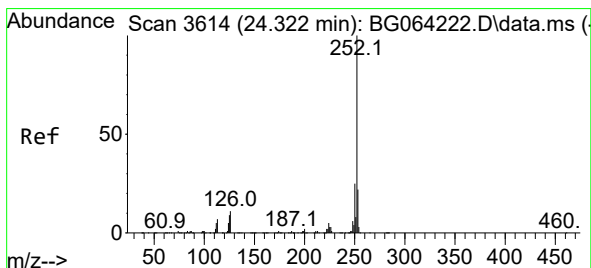
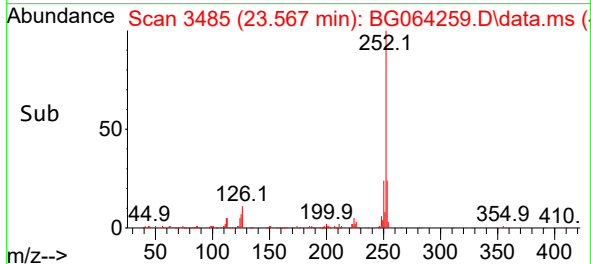
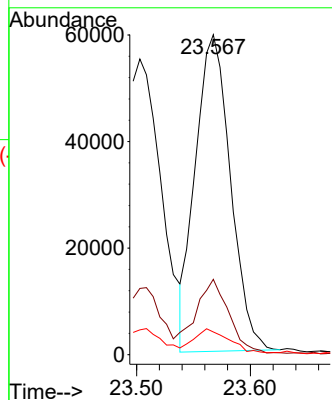
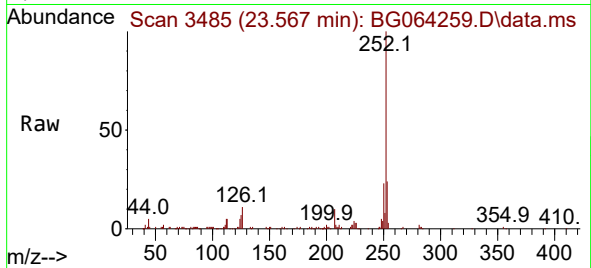




#89
Benzo(k)fluoranthene
Concen: 8.708 ng
RT: 23.567 min Scan# 34
Delta R.T. -0.020 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

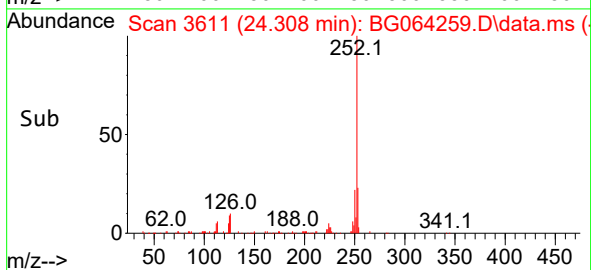
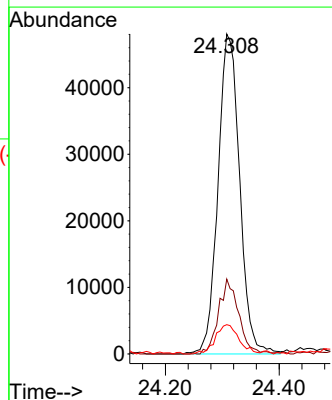
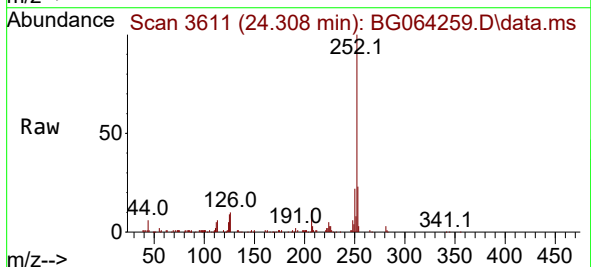
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

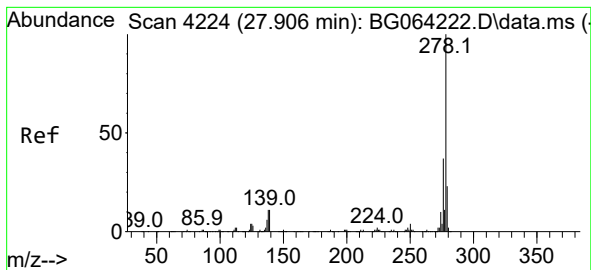
Tgt Ion:252 Resp: 127318
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 7.1 7.0 10.4



#90
Benzo(a)pyrene
Concen: 9.523 ng
RT: 24.308 min Scan# 3611
Delta R.T. -0.020 min
Lab File: BG064259.D
Acq: 3 Sep 2025 18:30

Tgt Ion:252 Resp: 127133
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 9.1 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 9.058 ng

RT: 27.892 min Scan# 41

Delta R.T. -0.032 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

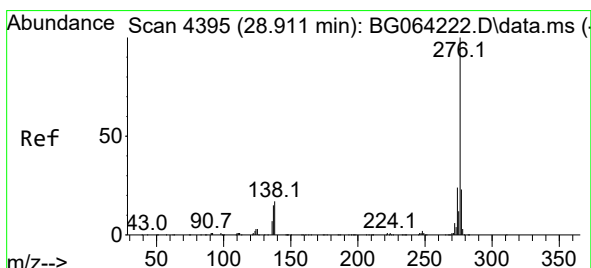
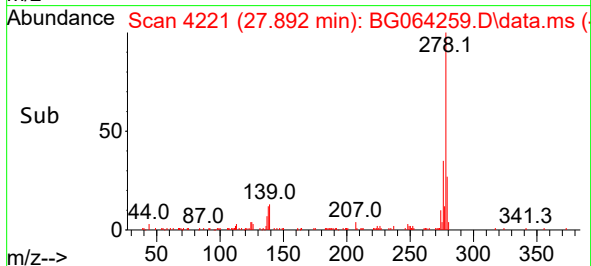
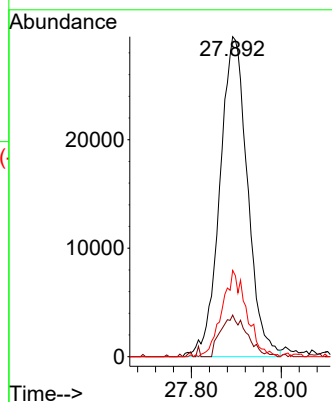
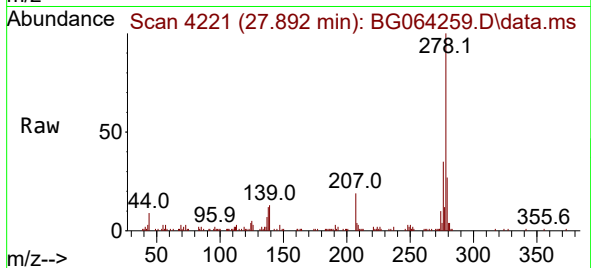
Tgt Ion:278 Resp: 126293

Ion Ratio Lower Upper

278 100

139 13.0 9.0 13.4

279 26.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 9.354 ng

RT: 28.885 min Scan# 4390

Delta R.T. -0.050 min

Lab File: BG064259.D

Acq: 3 Sep 2025 18:30

Tgt Ion:276 Resp: 126916

Ion Ratio Lower Upper

276 100

277 23.3 18.2 27.4

138 15.1 13.3 19.9

