

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
 Data File : BG064012.D
 Acq On : 6 Feb 2025 11:35
 Operator : RC/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 06 12:16:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	69815	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	311916	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	202189	20.000	ng	0.00
64) Phenanthrene-d10	17.235	188	460104	20.000	ng	0.00
76) Chrysene-d12	21.472	240	504450	20.000	ng	0.00
86) Perylene-d12	24.498	264	529207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	536205	123.141	ng	0.00
7) Phenol-d6	7.036	99	788038	131.875	ng	0.00
23) Nitrobenzene-d5	9.027	82	539524	105.124	ng	0.00
42) 2,4,6-Tribromophenol	15.984	330	302943	129.721	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	1226972	92.977	ng	0.00
79) Terphenyl-d14	19.862	244	2126747	88.049	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	17510	8.467	ng	94
3) Pyridine	3.787	79	41192	7.377	ng	# 89
4) n-Nitrosodimethylamine	3.693	42	29303	9.126	ng	# 93
6) Aniline	7.200	93	61448	9.596	ng	96
8) 2-Chlorophenol	7.441	128	40854	9.207	ng	96
9) Benzaldehyde	7.012	77	41825	12.821	ng	95
10) Phenol	7.059	94	58482	9.297	ng	89
11) bis(2-Chloroethyl)ether	7.300	93	46017	9.085	ng	93
12) 1,3-Dichlorobenzene	7.764	146	44733	8.472	ng	99
13) 1,4-Dichlorobenzene	7.911	146	45706	8.572	ng	98
14) 1,2-Dichlorobenzene	8.228	146	44279	8.664	ng	99
15) Benzyl Alcohol	8.105	79	41813	9.361	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.393	45	101497	9.951	ng	98
17) 2-Methylphenol	8.305	107	35827	8.807	ng	98
18) Hexachloroethane	8.957	117	16388	9.338	ng	98
19) n-Nitroso-di-n-propyla...	8.675	70	40059	9.680	ng	99
20) 3+4-Methylphenols	8.634	107	49394	9.113	ng	96
22) Acetophenone	8.687	105	77781	9.076	ng	98
24) Nitrobenzene	9.063	77	55165	12.383	ng	96
25) Isophorone	9.586	82	106175	9.543	ng	99
26) 2-Nitrophenol	9.774	139	12701	16.819	ng	93
27) 2,4-Dimethylphenol	9.832	122	20209	6.315	ng	92
28) bis(2-Chloroethoxy)met...	10.073	93	62349	8.807	ng	99
29) 2,4-Dichlorophenol	10.302	162	35144	11.094	ng	95
30) 1,2,4-Trichlorobenzene	10.526	180	47466	9.028	ng	97
31) Naphthalene	10.708	128	146626	8.768	ng	98
32) Benzoic acid	9.909	122	9930m	11.954	ng	
33) 4-Chloroaniline	10.814	127	55958	8.734	ng	98
34) Hexachlorobutadiene	11.007	225	29947	8.944	ng	96
35) Caprolactam	11.554	113	12963	12.361	ng	90
36) 4-Chloro-3-methylphenol	11.930	107	45625	8.906	ng	99
37) 2-Methylnaphthalene	12.318	142	101977	8.751	ng	95
38) 1-Methylnaphthalene	12.535	142	94926	8.232	ng	98
40) 1,2,4,5-Tetrachloroben...	12.688	216	55155	9.250	ng	98
41) Hexachlorocyclopentadiene	12.670	237	11316	7.499	ng	99
43) 2,4,6-Trichlorophenol	12.923	196	27428	11.924	ng	88

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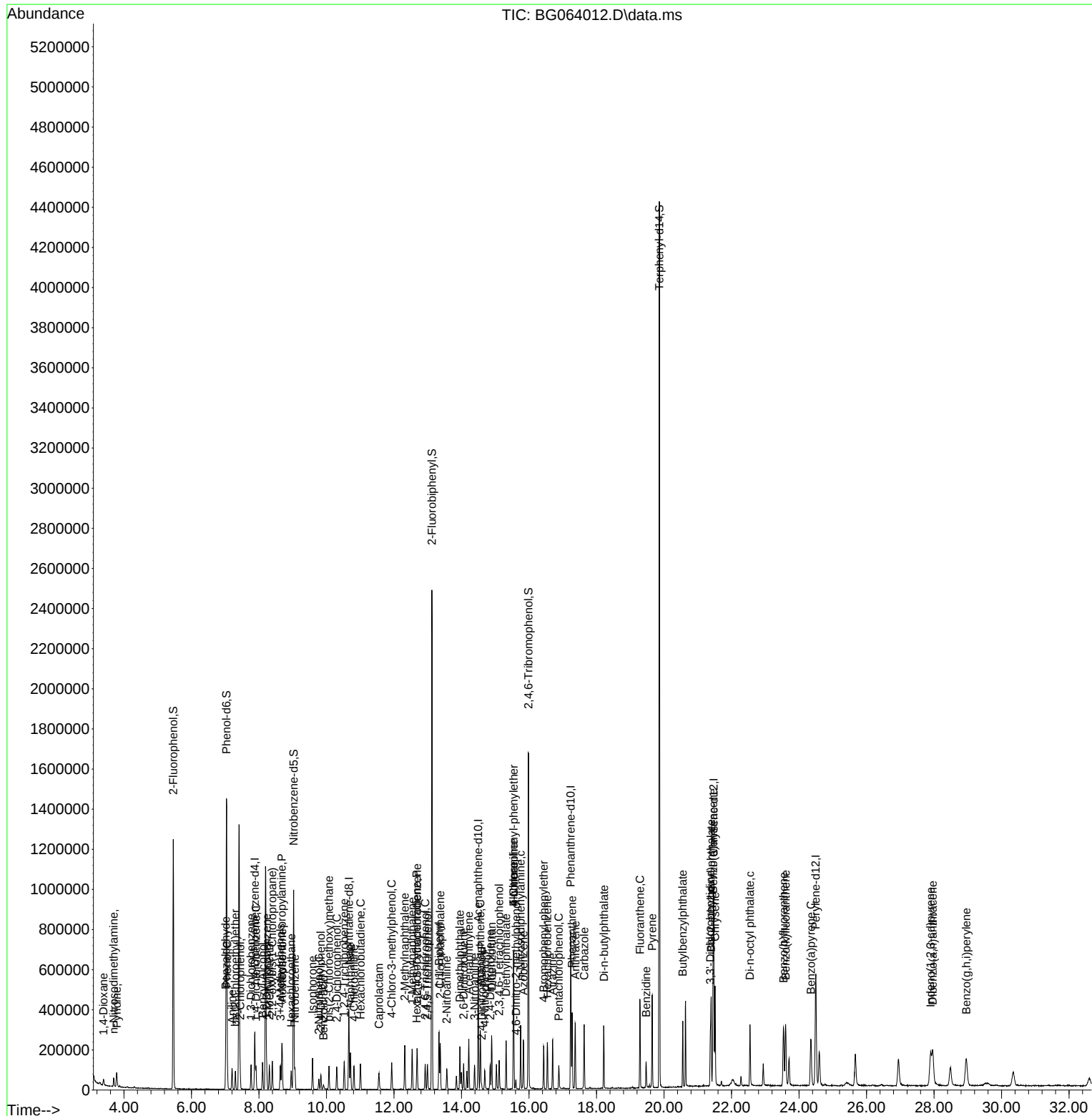
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	32437	11.492	ng	96
46) 1,1'-Biphenyl	13.334	154	146814	9.537	ng	96
47) 2-Chloronaphthalene	13.369	162	105173	9.374	ng	98
48) 2-Nitroaniline	13.563	65	26572	13.828	ng	99
49) Acenaphthylene	14.215	152	161647	9.275	ng	98
50) Dimethylphthalate	13.951	163	125738	9.379	ng	99
51) 2,6-Dinitrotoluene	14.063	165	21807	13.231	ng	98
52) Acenaphthene	14.556	154	105944	9.063	ng	98
53) 3-Nitroaniline	14.386	138	23746	12.437	ng	100
54) 2,4-Dinitrophenol	14.597	184	4293	12.966	ng #	75
55) Dibenzofuran	14.891	168	170151	8.964	ng	99
56) 4-Nitrophenol	14.691	139	18079	14.672	ng	96
57) 2,4-Dinitrotoluene	14.850	165	27550	13.473	ng	96
58) Fluorene	15.543	166	132499	9.031	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.114	232	28764	11.948	ng	99
60) Diethylphthalate	15.320	149	129420	9.105	ng	100
61) 4-Chlorophenyl-phenyle...	15.543	204	69292	9.413	ng	96
62) 4-Nitroaniline	15.543	138	25856	11.419	ng	98
63) Azobenzene	15.831	77	143924	8.573	ng	99
65) 4,6-Dinitro-2-methylph...	15.614	198	8483	14.011	ng	92
66) n-Nitrosodiphenylamine	15.749	169	113069	8.863	ng	94
67) 4-Bromophenyl-phenylether	16.436	248	42364	9.251	ng	94
68) Hexachlorobenzene	16.542	284	50083	9.302	ng #	93
69) Atrazine	16.701	200	42684	10.055	ng	95
70) Pentachlorophenol	16.883	266	21436	14.122	ng	97
71) Phenanthrene	17.277	178	222281	9.198	ng	98
72) Anthracene	17.371	178	209899	8.680	ng	98
73) Carbazole	17.635	167	203043	8.970	ng	97
74) Di-n-butylphthalate	18.217	149	222086	9.412	ng	99
75) Fluoranthene	19.286	202	267386	9.087	ng	98
77) Benzidine	19.468	184	72307	6.731	ng #	94
78) Pyrene	19.650	202	290063	9.314	ng	100
80) Butylbenzylphthalate	20.555	149	83911	12.379	ng	99
81) Benzo(a)anthracene	21.454	228	295743	9.234	ng	99
82) 3,3'-Dichlorobenzidine	21.372	252	94282	9.453	ng	97
83) Chrysene	21.513	228	298912	9.378	ng	98
84) Bis(2-ethylhexyl)phtha...	21.395	149	145429	12.032	ng	100
85) Di-n-octyl phthalate	22.547	149	226026	13.716	ng	99
87) Indeno(1,2,3-cd)pyrene	27.899	276	316848	9.281	ng	94
88) Benzo(b)fluoranthene	23.540	252	274262	8.801	ng	99
89) Benzo(k)fluoranthene	23.604	252	289023	9.033	ng	98
90) Benzo(a)pyrene	24.351	252	262185	9.426	ng	97
91) Dibenzo(a,h)anthracene	27.958	278	263579	9.143	ng	96
92) Benzo(g,h,i)perylene	28.957	276	254333	8.739	ng	96

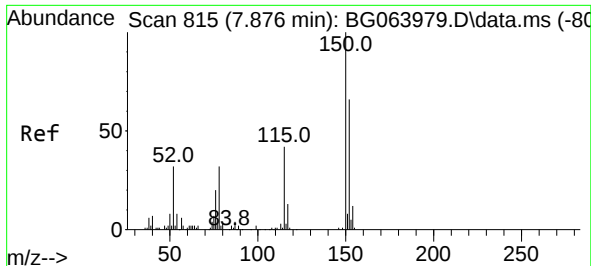
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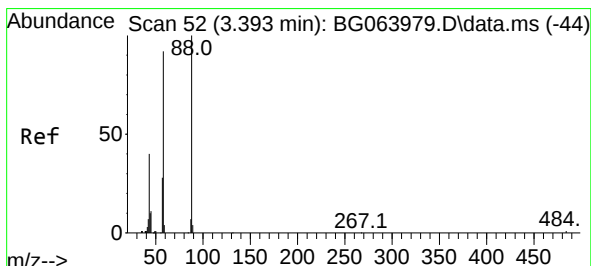
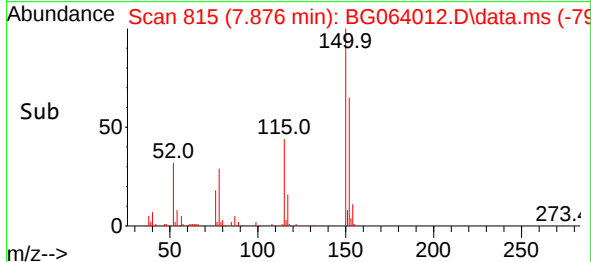
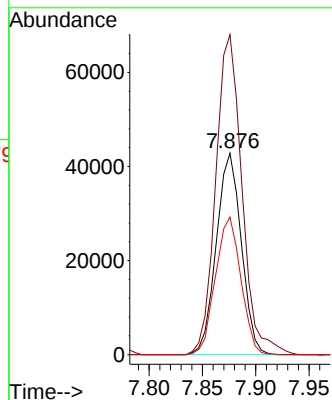
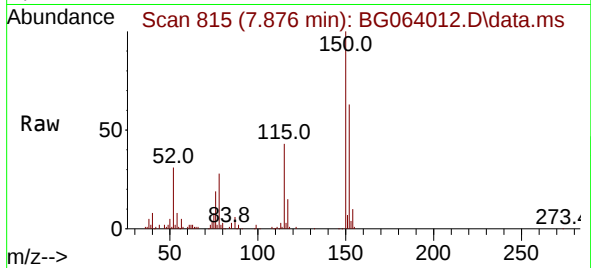




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.876 min Scan# 815
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

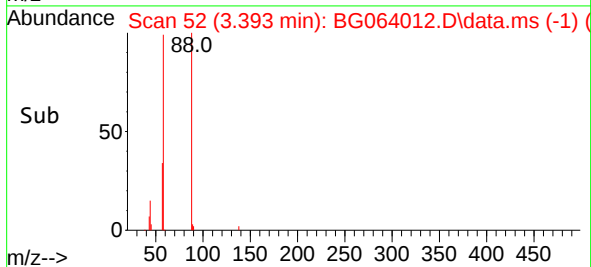
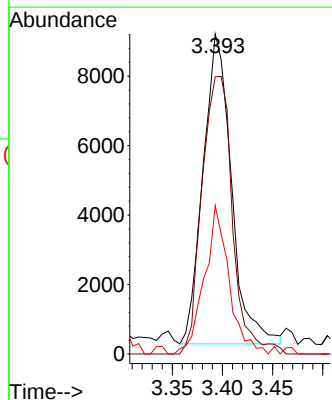
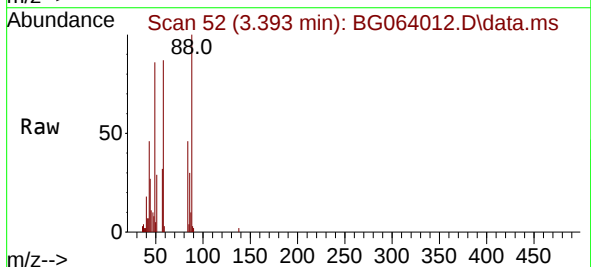
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

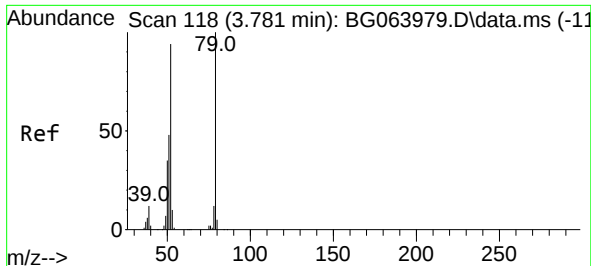
Tgt Ion:152 Resp: 69815
Ion Ratio Lower Upper
152 100
150 158.8 121.0 181.6
115 68.3 50.4 75.6



#2
1,4-Dioxane
Concen: 8.467 ng
RT: 3.393 min Scan# 52
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion: 88 Resp: 17510
Ion Ratio Lower Upper
88 100
58 96.6 71.8 107.8
43 41.6 31.2 46.8





#3

Pyridine

Concen: 7.377 ng

RT: 3.787 min Scan# 11

Delta R.T. 0.005 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

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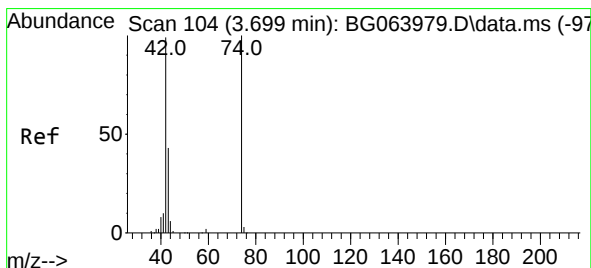
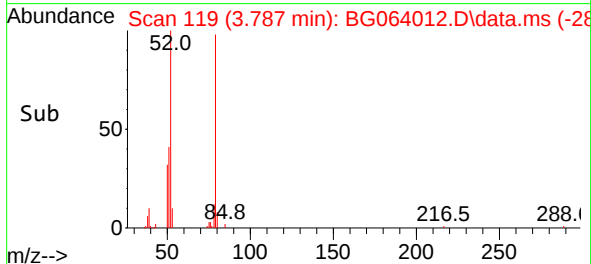
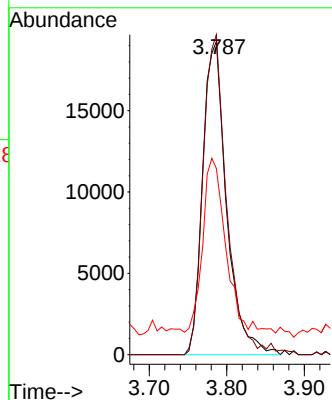
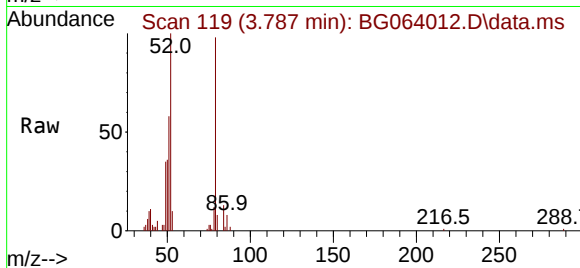
Tgt Ion: 79 Resp: 41192

Ion Ratio Lower Upper

79 100

52 102.2 75.1 112.7

51 59.5 38.9 58.3#



#4

n-Nitrosodimethylamine

Concen: 9.126 ng

RT: 3.693 min Scan# 103

Delta R.T. -0.006 min

Lab File: BG064012.D

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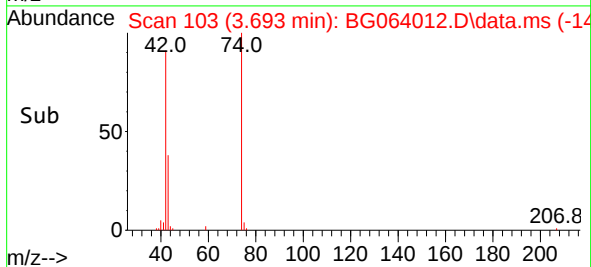
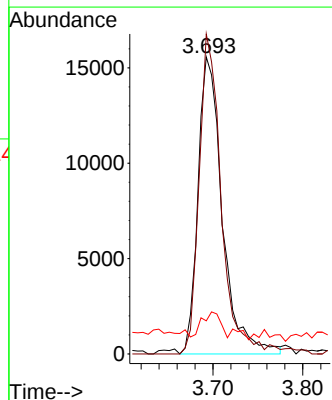
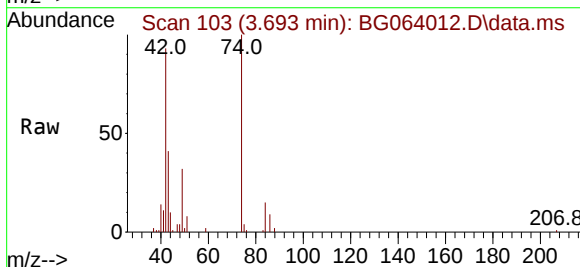
Tgt Ion: 42 Resp: 29303

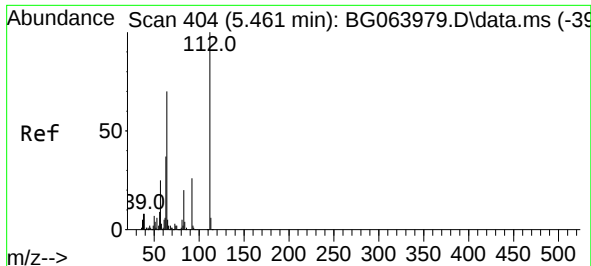
Ion Ratio Lower Upper

42 100

74 107.8 80.8 121.2

44 11.1 5.8 8.6#

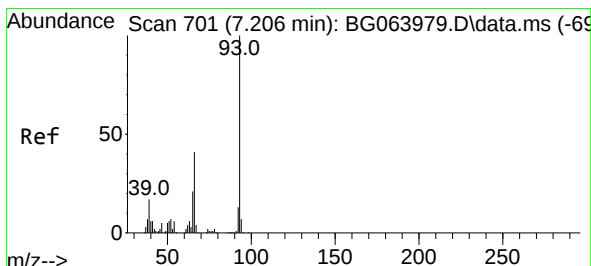
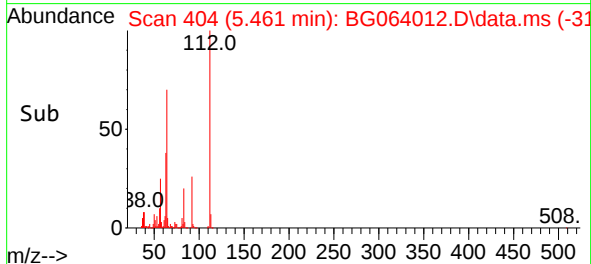
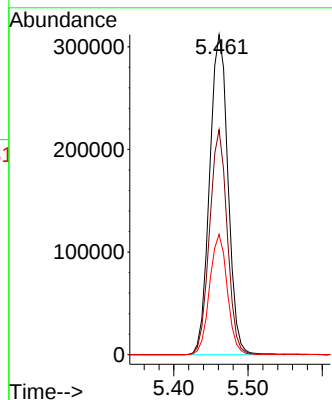
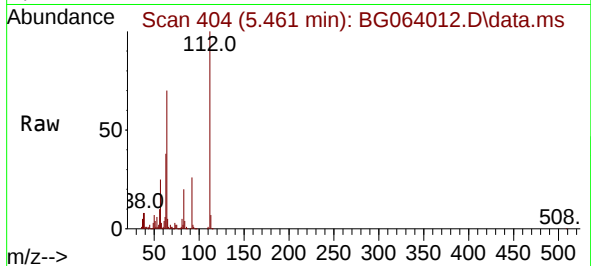




#5
2-Fluorophenol
Concen: 123.141 ng
RT: 5.461 min Scan# 404
Delta R.T. -0.000 min
Lab File: BG064012.D
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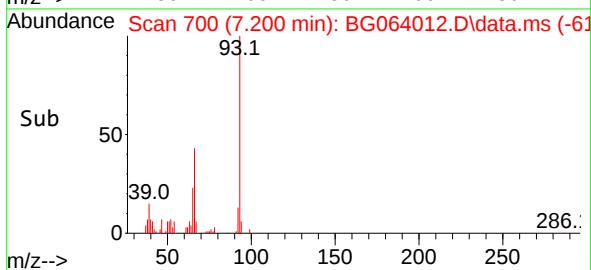
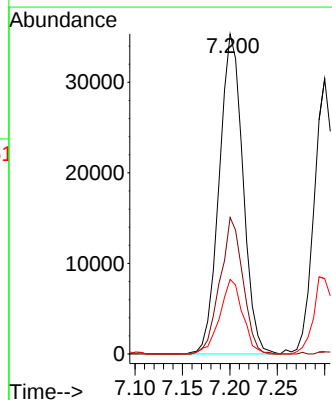
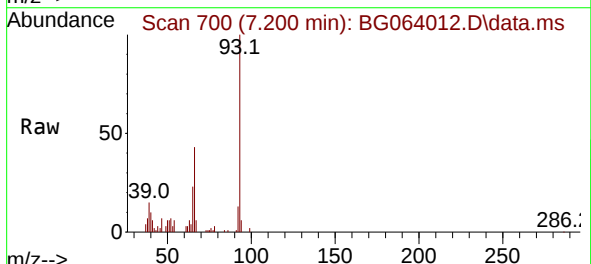
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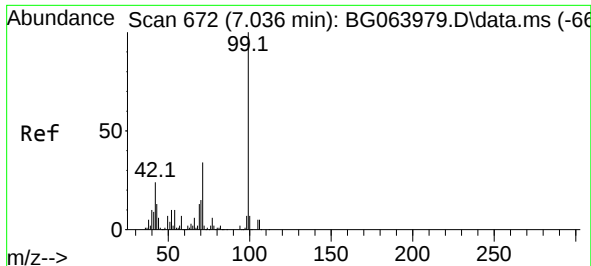
Tgt Ion:112 Resp: 536205
Ion Ratio Lower Upper
112 100
64 70.3 55.8 83.8
63 37.6 29.3 43.9



#6
Aniline
Concen: 9.596 ng
RT: 7.200 min Scan# 700
Delta R.T. -0.006 min
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Tgt Ion: 93 Resp: 61448
Ion Ratio Lower Upper
93 100
66 42.7 32.5 48.7
65 23.3 16.6 25.0

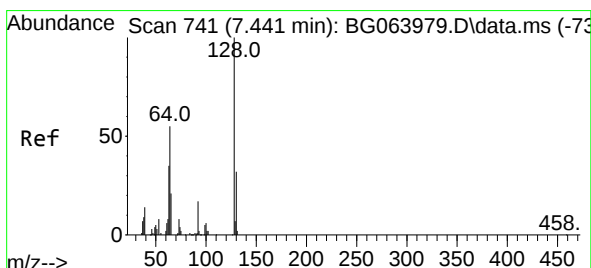
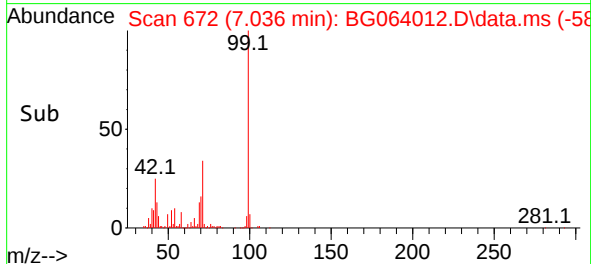
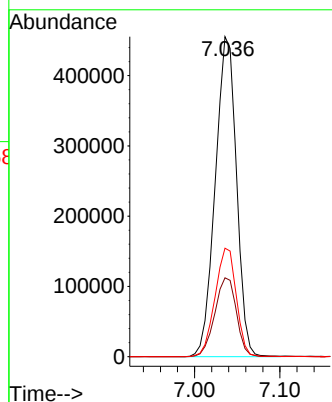
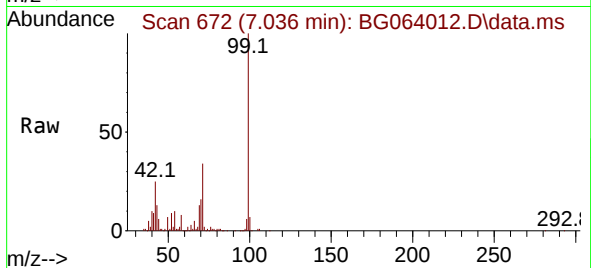




#7
Phenol-d6
Concen: 131.875 ng
RT: 7.036 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG064012.D
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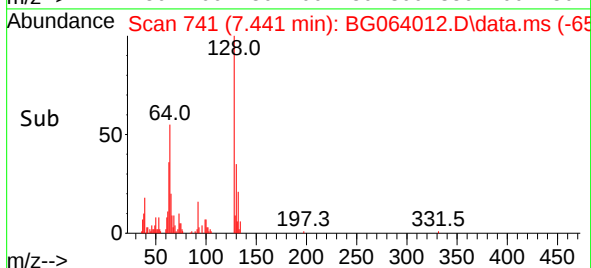
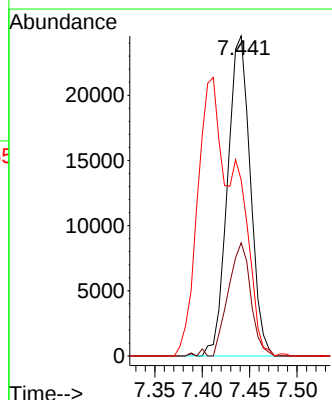
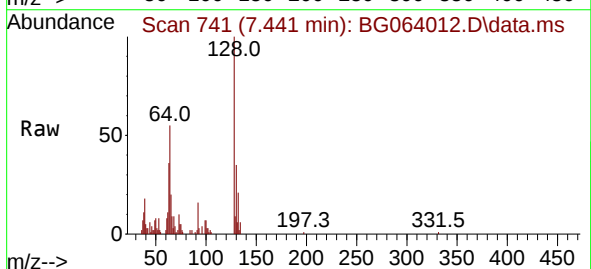
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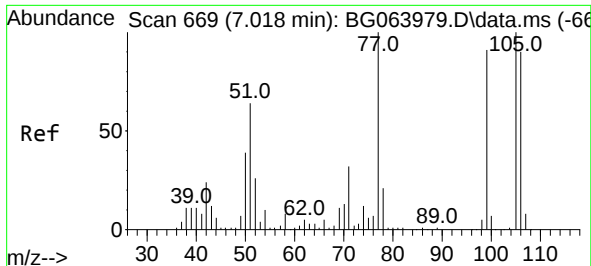
Tgt Ion: 99 Resp: 788038
Ion Ratio Lower Upper
99 100
42 24.6 18.9 28.3
71 33.9 27.0 40.6



#8
2-Chlorophenol
Concen: 9.207 ng
RT: 7.441 min Scan# 741
Delta R.T. -0.000 min
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Tgt Ion:128 Resp: 40854
Ion Ratio Lower Upper
128 100
130 35.3 11.9 51.9
64 55.0 36.8 76.8

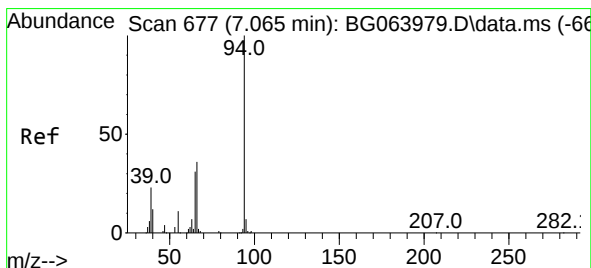
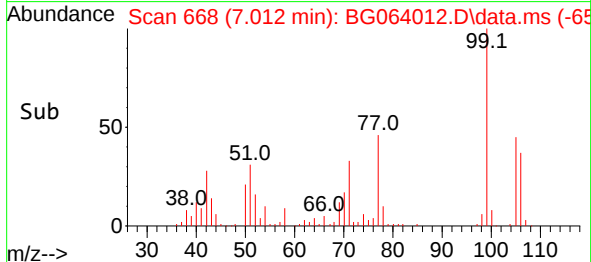
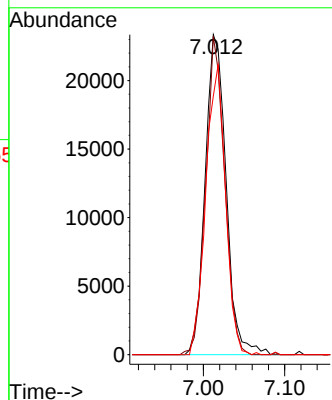
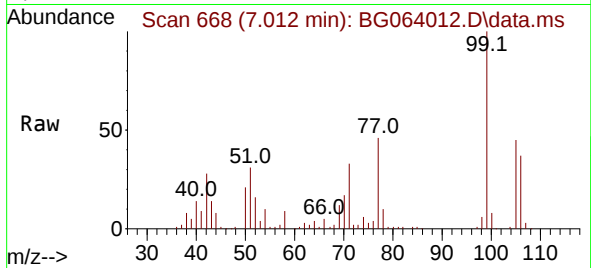




#9
Benzaldehyde
Concen: 12.821 ng
RT: 7.012 min Scan# 60
Delta R.T. -0.006 min
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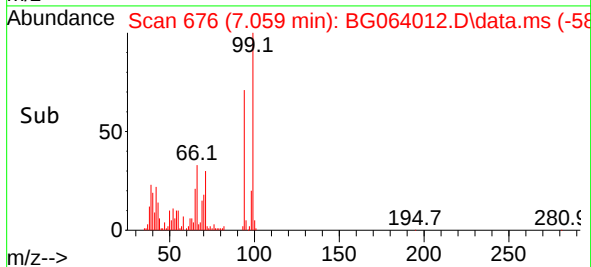
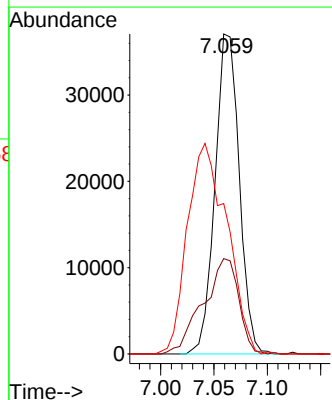
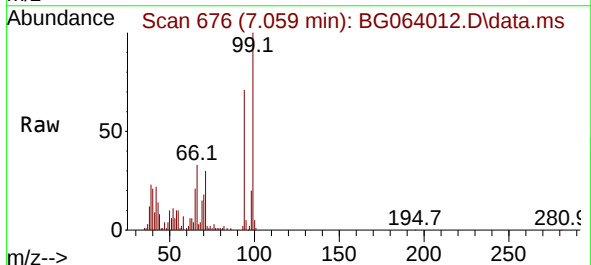
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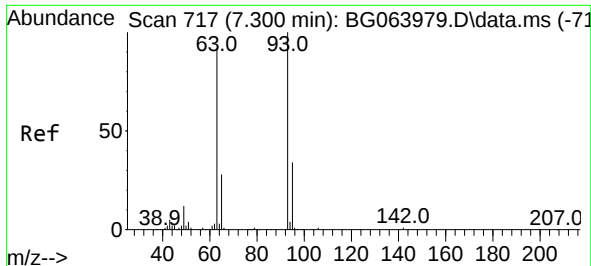
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Ion Ratio Lower Upper
77 100
105 99.5 79.8 119.8
106 80.8 69.9 109.9



#10
Phenol
Concen: 9.297 ng
RT: 7.059 min Scan# 676
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion: 94 Resp: 58482
Ion Ratio Lower Upper
94 100
65 29.8 11.4 51.4
66 47.0 16.7 56.7

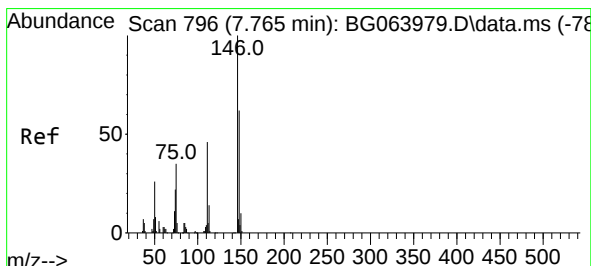
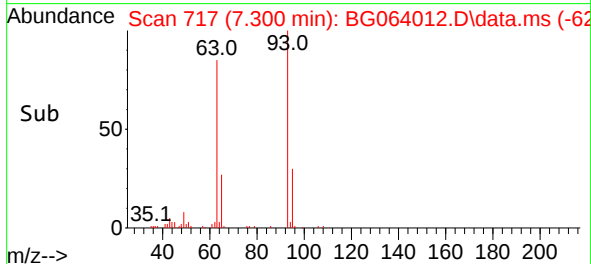
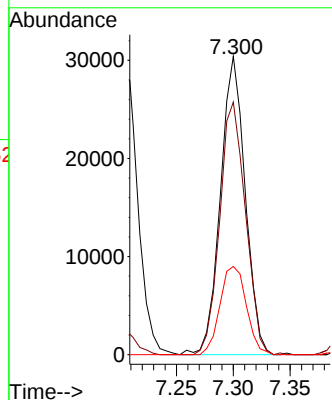
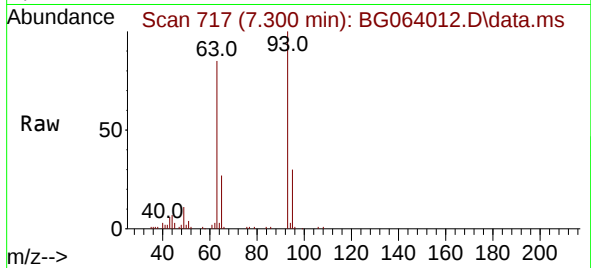




#11
bis(2-Chloroethyl)ether
Concen: 9.085 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

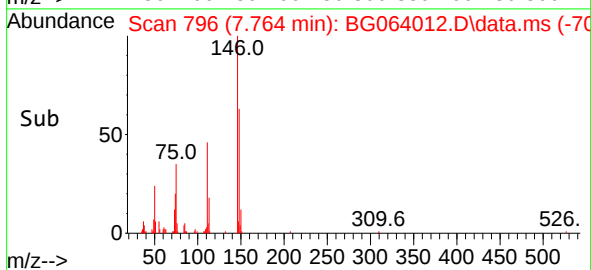
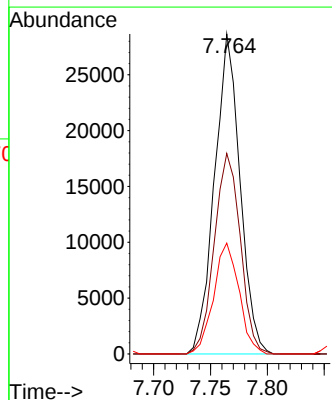
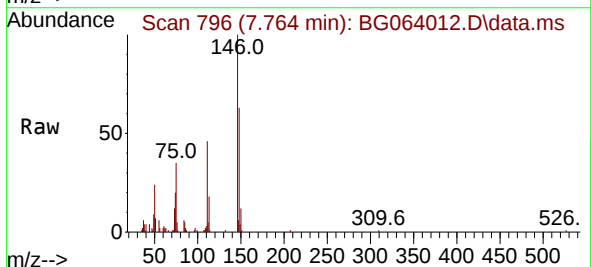
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

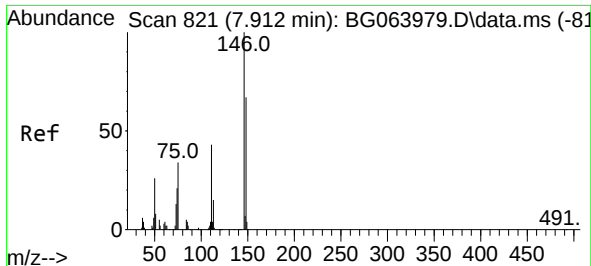
Tgt Ion: 93 Resp: 46017
Ion Ratio Lower Upper
93 100
63 84.7 71.2 111.2
95 29.6 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 8.472 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:146 Resp: 44733
Ion Ratio Lower Upper
146 100
148 62.7 49.6 74.4
75 34.7 27.8 41.8





#13

1,4-Dichlorobenzene

Concen: 8.572 ng

RT: 7.911 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

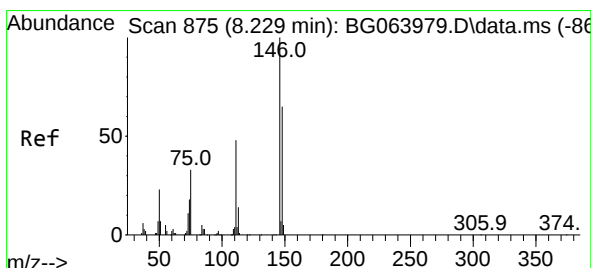
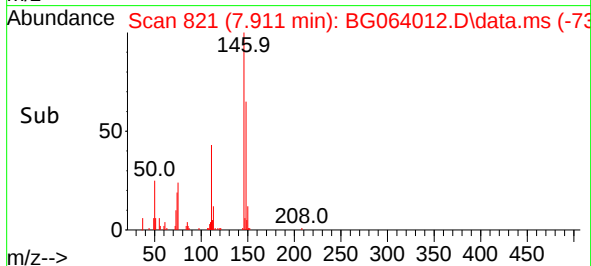
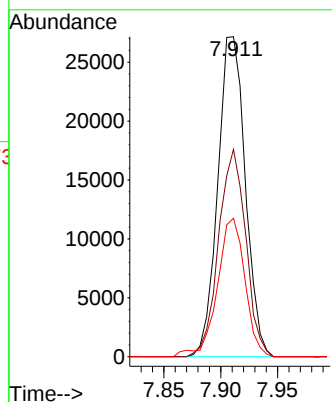
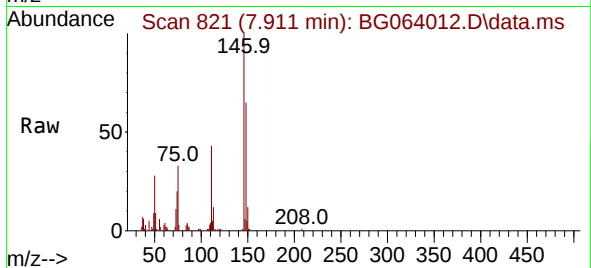
Tgt Ion:146 Resp: 45706

Ion Ratio Lower Upper

146 100

148 64.8 53.3 79.9

111 43.2 34.8 52.2



#14

1,2-Dichlorobenzene

Concen: 8.664 ng

RT: 8.228 min Scan# 875

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

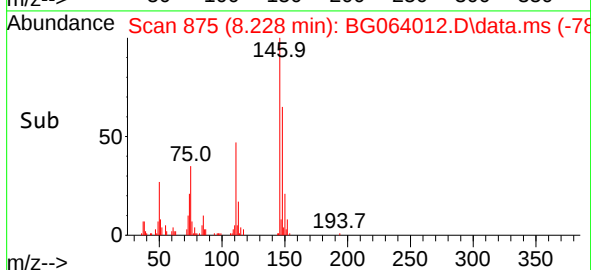
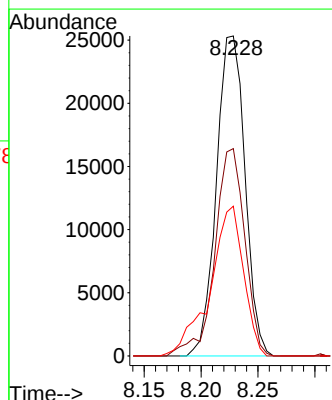
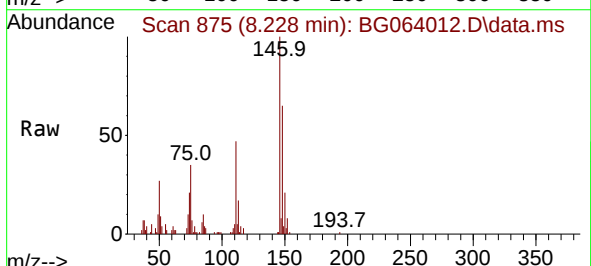
Tgt Ion:146 Resp: 44279

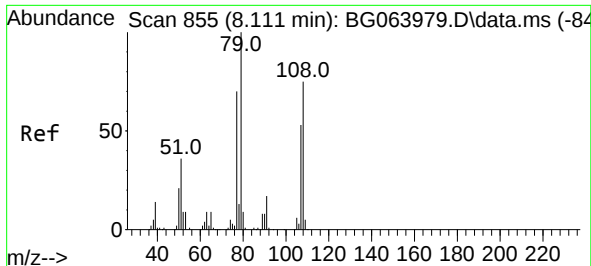
Ion Ratio Lower Upper

146 100

148 64.8 52.0 78.0

111 46.8 38.2 57.2

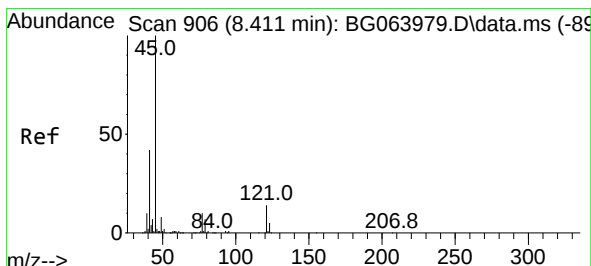
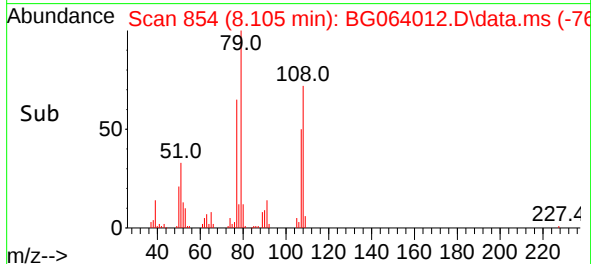
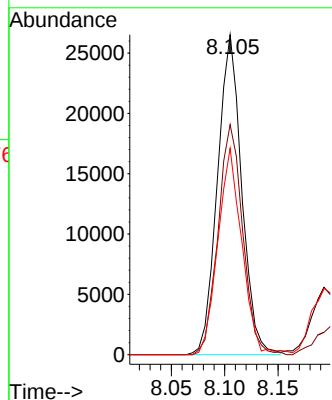
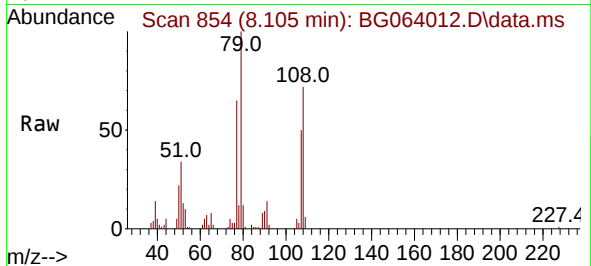




#15
Benzyl Alcohol
Concen: 9.361 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

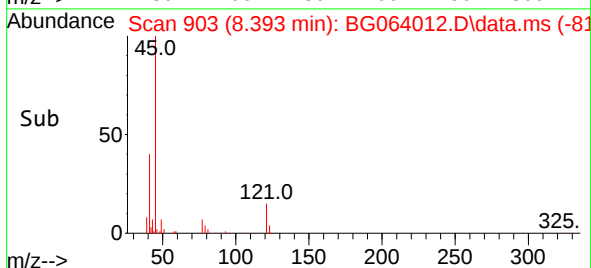
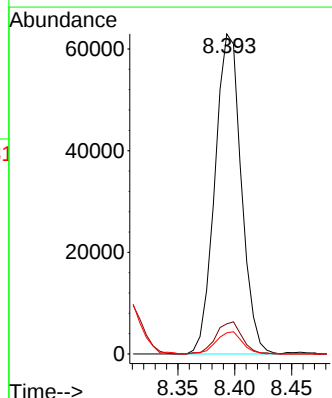
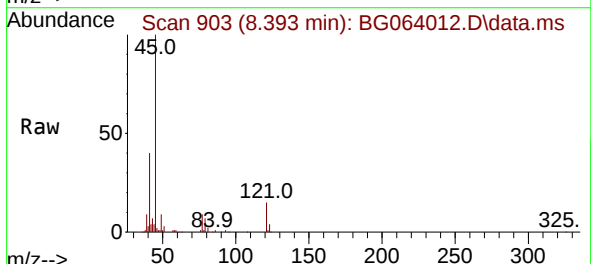
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

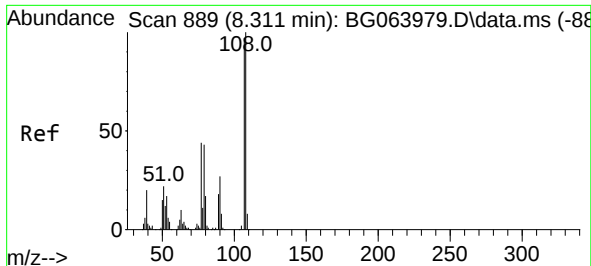
Tgt Ion: 79 Resp: 41813
Ion Ratio Lower Upper
79 100
108 71.9 60.3 90.5
77 64.5 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.951 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.018 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion: 45 Resp: 101497
Ion Ratio Lower Upper
45 100
77 9.4 0.0 29.8
79 6.6 0.0 27.7

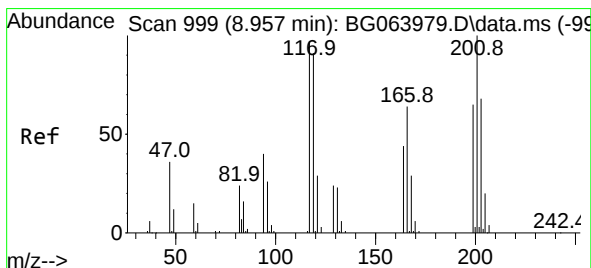
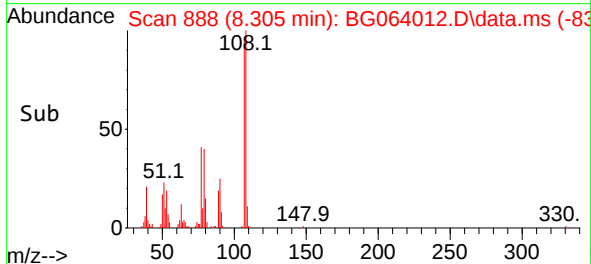
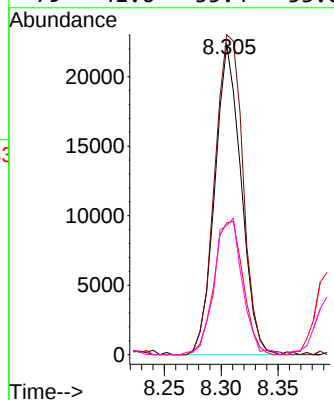
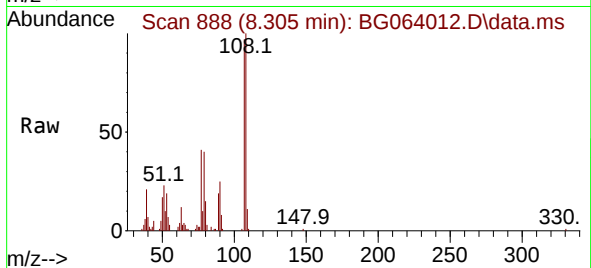




#17
2-Methylphenol
Concen: 8.807 ng
RT: 8.305 min Scan# 889
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

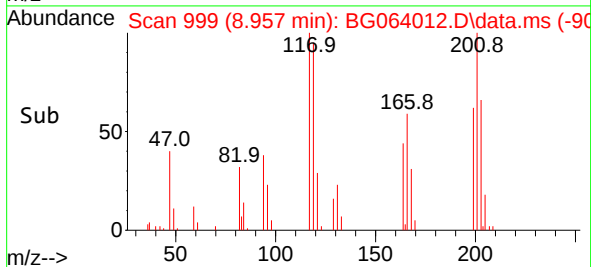
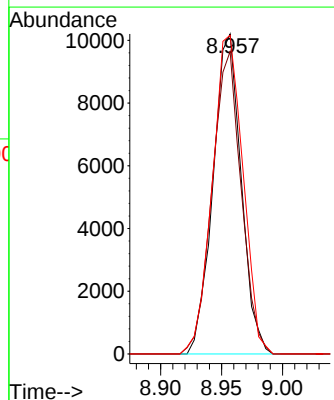
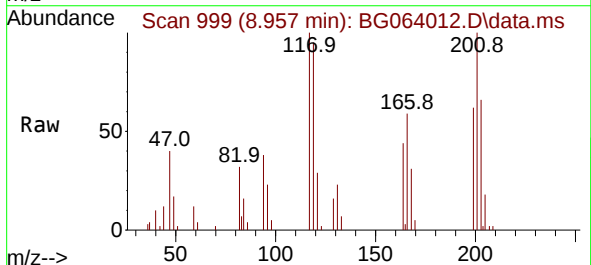
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

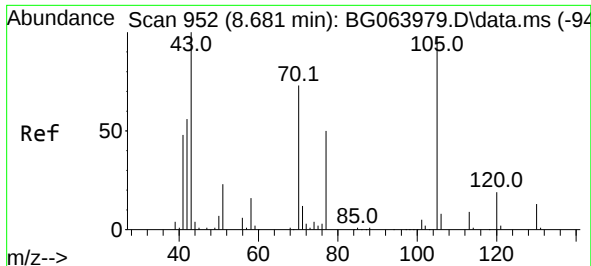
Tgt Ion:	107	Resp:	35827
Ion	Ratio	Lower	Upper
107	100		
108	103.2	82.9	124.3
77	42.5	36.4	54.6
79	41.6	35.4	53.0



#18
Hexachloroethane
Concen: 9.338 ng
RT: 8.957 min Scan# 999
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:	117	Resp:	16388
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.4	113.0
201	99.6	82.4	123.6



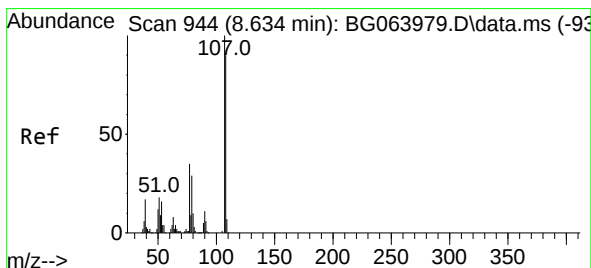
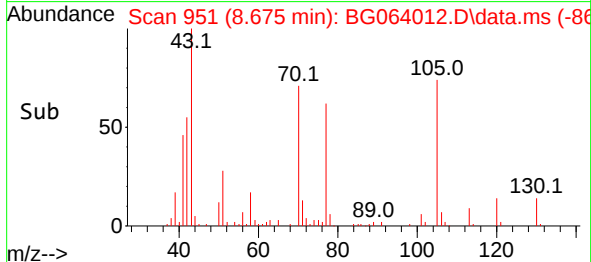
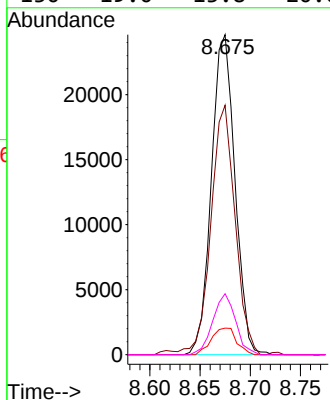
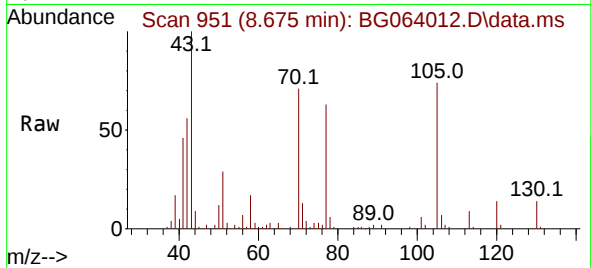


#19
n-Nitroso-di-n-propylamine
Concen: 9.680 ng
RT: 8.675 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion: 70 Resp: 40059

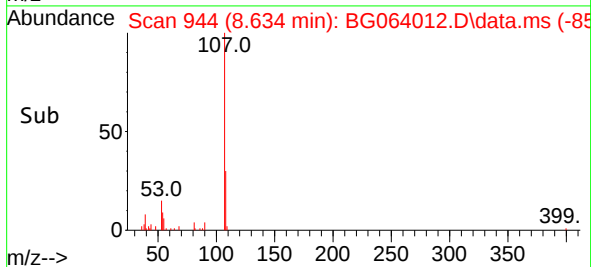
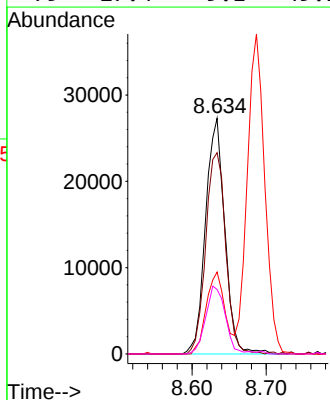
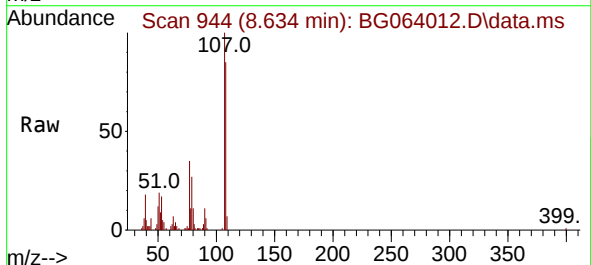
Ion	Ratio	Lower	Upper
70	100		
42	78.0	62.2	93.4
101	8.3	5.6	8.4
130	19.0	13.8	20.6

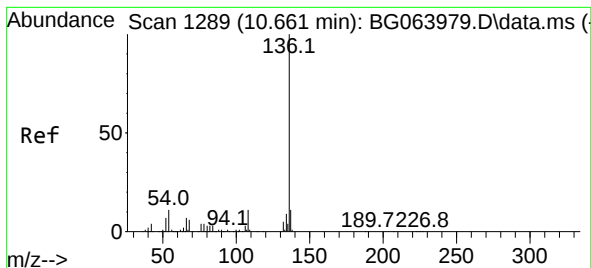


#20
3+4-Methylphenols
Concen: 9.113 ng
RT: 8.634 min Scan# 944
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion: 107 Resp: 49394

Ion	Ratio	Lower	Upper
107	100		
108	85.4	70.0	110.0
77	34.8	15.2	55.2
79	27.4	9.1	49.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.661 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:136 Resp: 311916

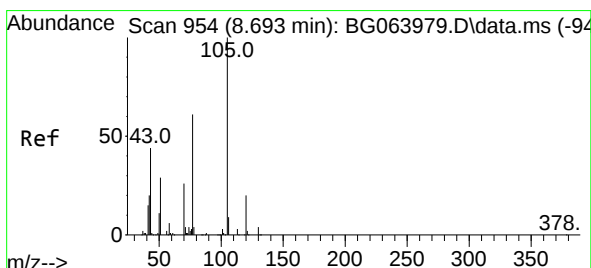
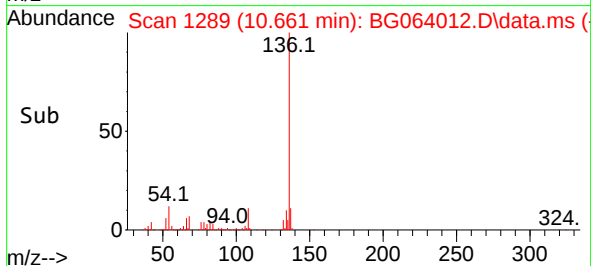
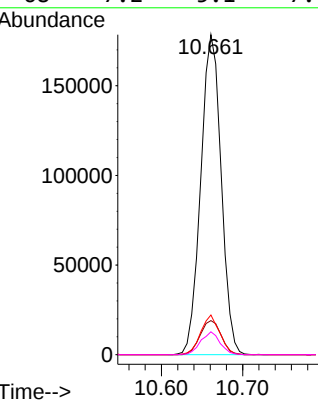
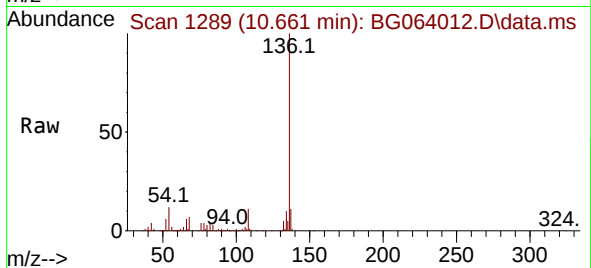
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 12.4 9.2 13.8

68 7.2 5.1 7.7



#22

Acetophenone

Concen: 9.076 ng

RT: 8.687 min Scan# 953

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Tgt Ion:105 Resp: 77781

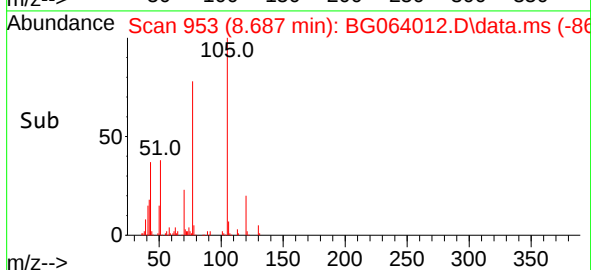
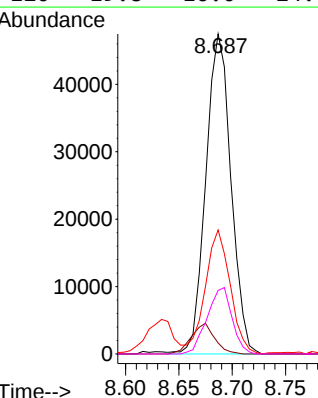
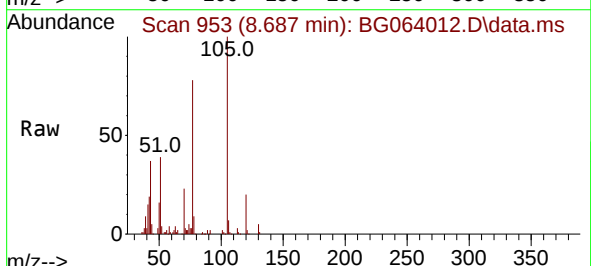
Ion Ratio Lower Upper

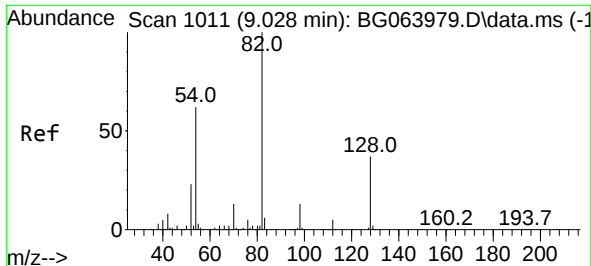
105 100

71 3.4 3.1 4.7

51 38.7 29.9 44.9

120 19.8 16.0 24.0

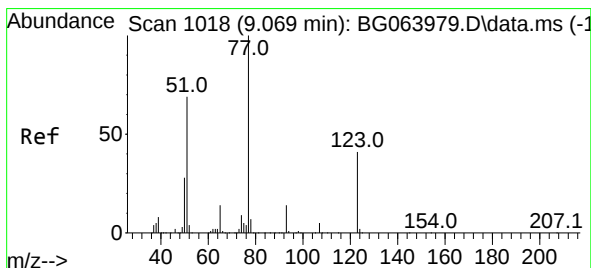
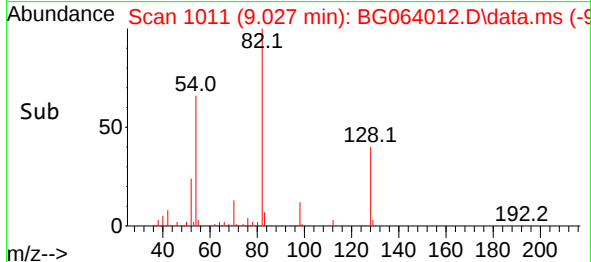
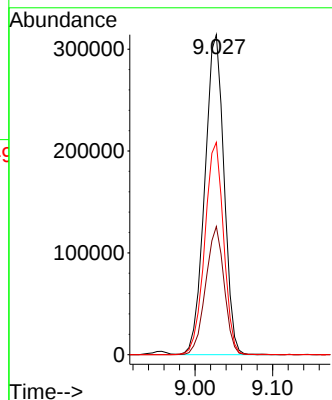
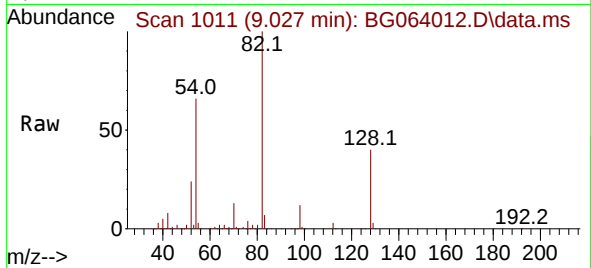




#23
Nitrobenzene-d5
Concen: 105.124 ng
RT: 9.027 min Scan# 1011
Delta R.T. -0.001 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

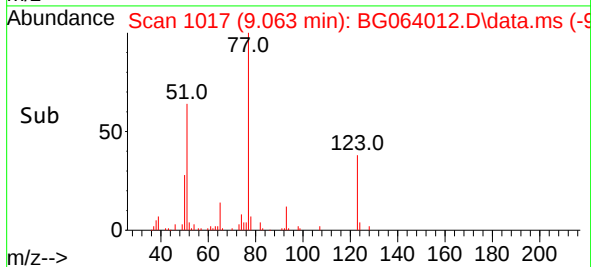
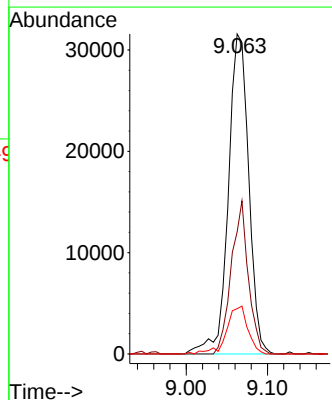
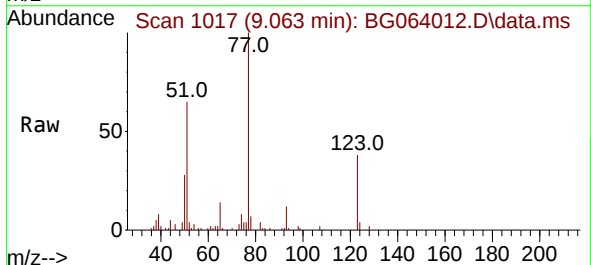
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

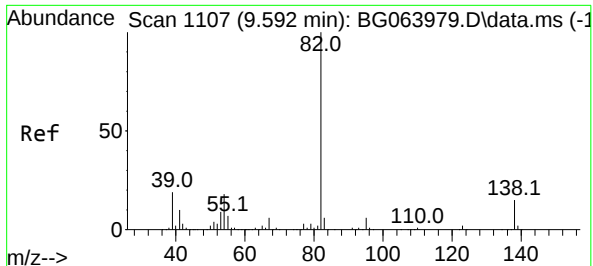
Tgt Ion: 82 Resp: 539524
Ion Ratio Lower Upper
82 100
128 40.1 29.4 44.2
54 66.4 49.9 74.9



#24
Nitrobenzene
Concen: 12.383 ng
RT: 9.063 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion: 77 Resp: 55165
Ion Ratio Lower Upper
77 100
123 38.1 32.9 49.3
65 14.1 11.0 16.6

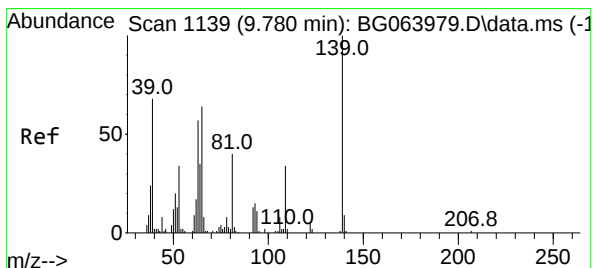
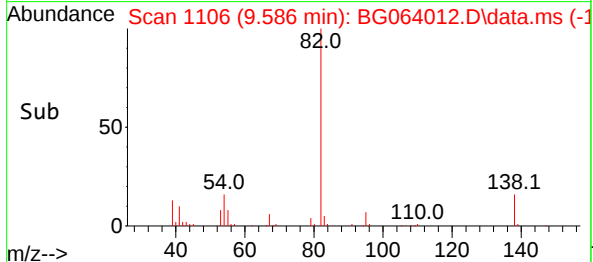
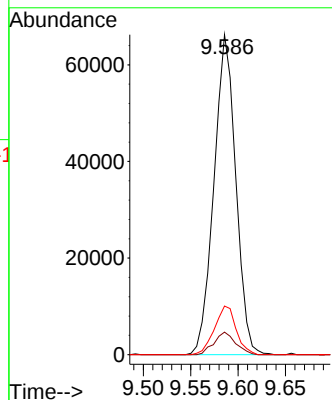
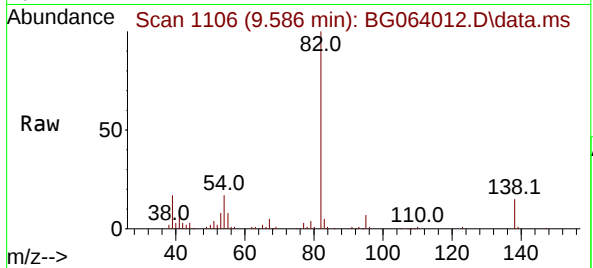




#25
Isophorone
Concen: 9.543 ng
RT: 9.586 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

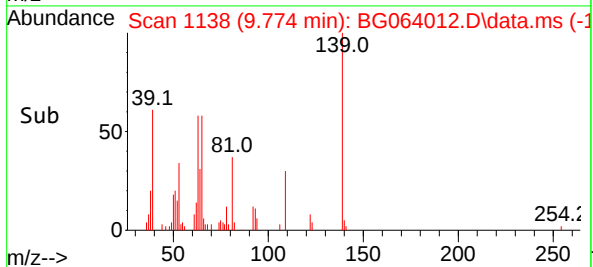
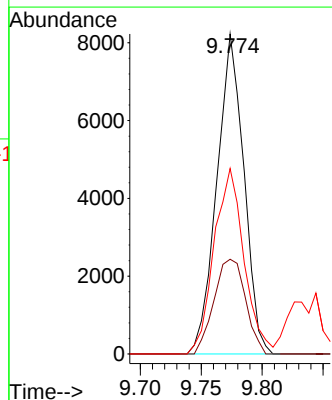
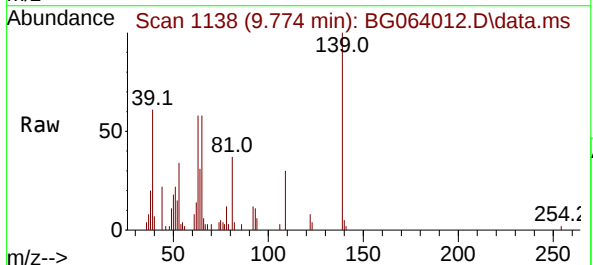
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

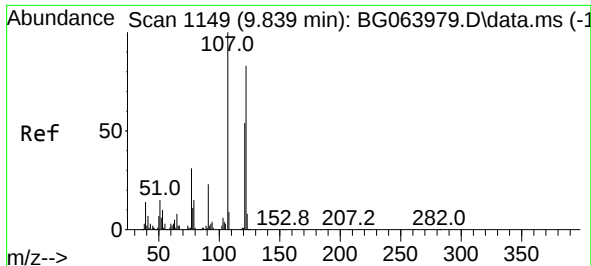
Tgt Ion: 82 Resp: 106175
Ion Ratio Lower Upper
82 100
95 7.0 5.0 7.4
138 15.2 12.2 18.4



#26
2-Nitrophenol
Concen: 16.819 ng
RT: 9.774 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:139 Resp: 12701
Ion Ratio Lower Upper
139 100
109 29.6 27.1 40.7
65 58.0 51.0 76.6





#27

2,4-Dimethylphenol

Concen: 6.315 ng

RT: 9.832 min Scan# 1149

Delta R.T. -0.007 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

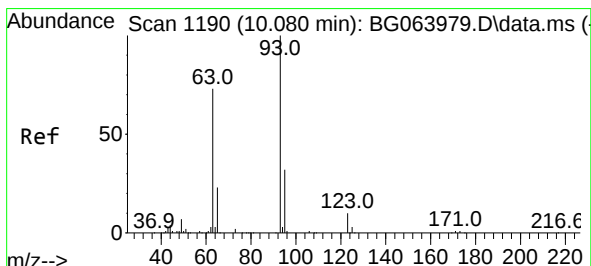
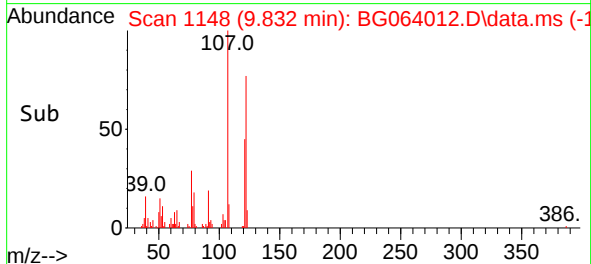
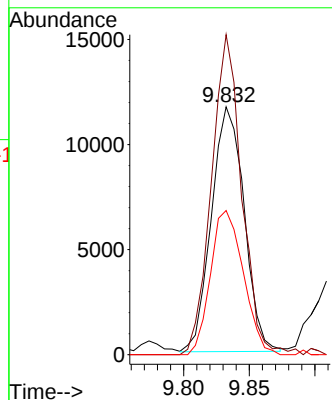
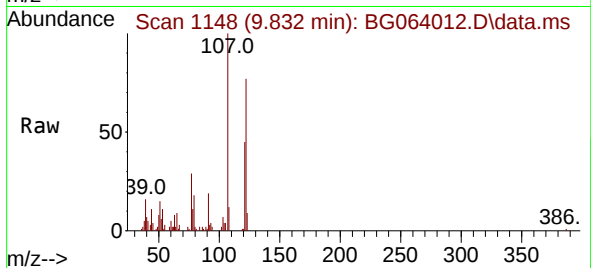
Tgt Ion:122 Resp: 20209

Ion Ratio Lower Upper

122 100

107 129.1 96.4 144.6

121 58.2 51.8 77.6



#28

bis(2-Chloroethoxy)methane

Concen: 8.807 ng

RT: 10.073 min Scan# 1189

Delta R.T. -0.007 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

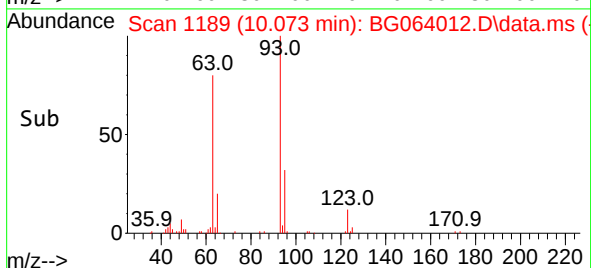
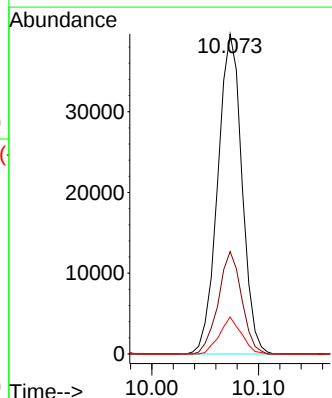
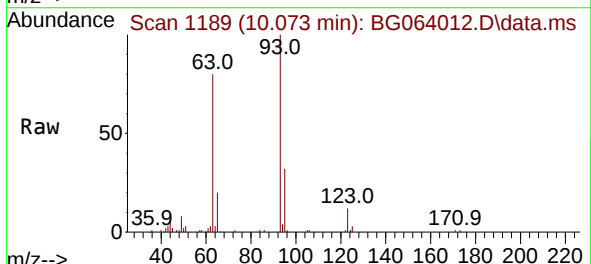
Tgt Ion: 93 Resp: 62349

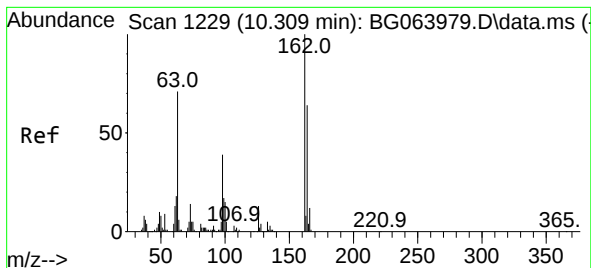
Ion Ratio Lower Upper

93 100

95 32.0 25.4 38.2

123 11.5 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 11.094 ng

RT: 10.302 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

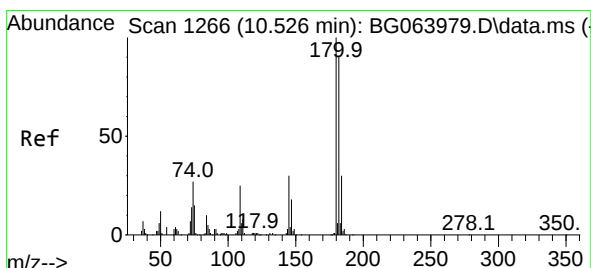
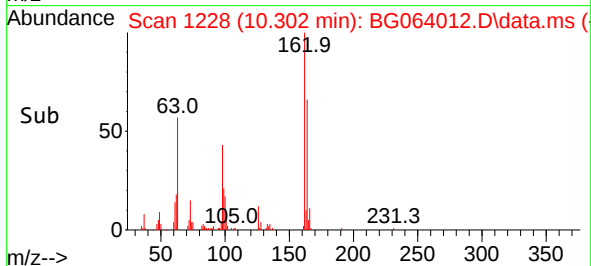
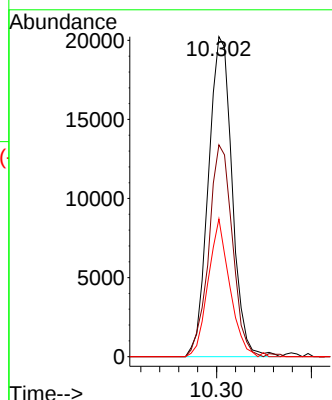
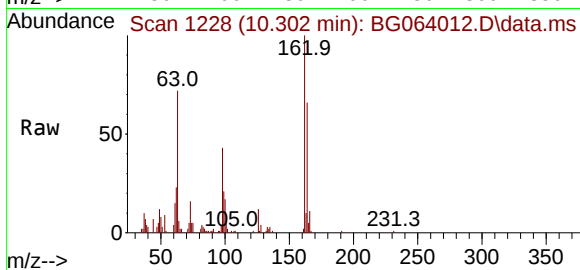
Tgt Ion:162 Resp: 35144

Ion Ratio Lower Upper

162 100

164 66.2 43.6 83.6

98 43.0 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 9.028 ng

RT: 10.526 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

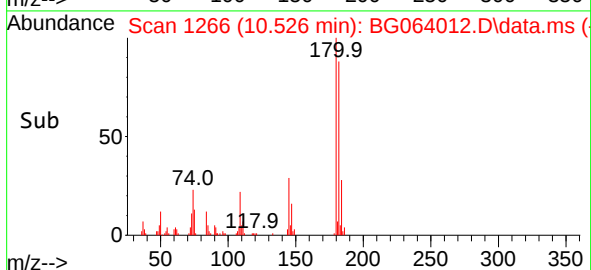
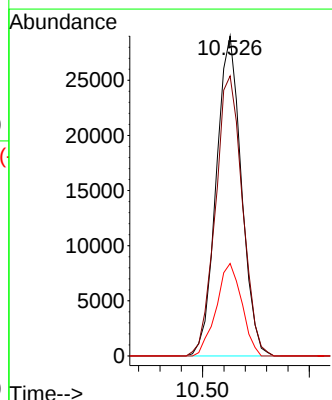
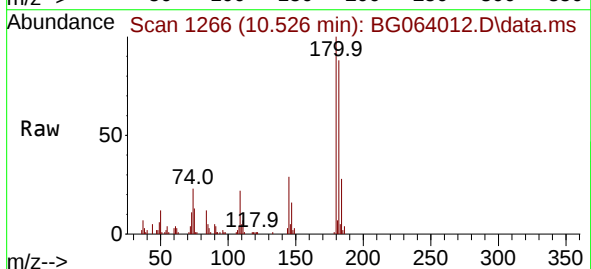
Tgt Ion:180 Resp: 47466

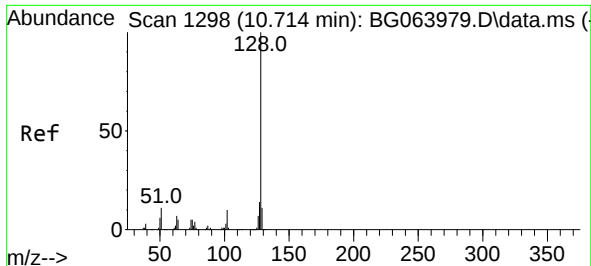
Ion Ratio Lower Upper

180 100

182 87.5 72.3 108.5

145 28.9 23.8 35.8

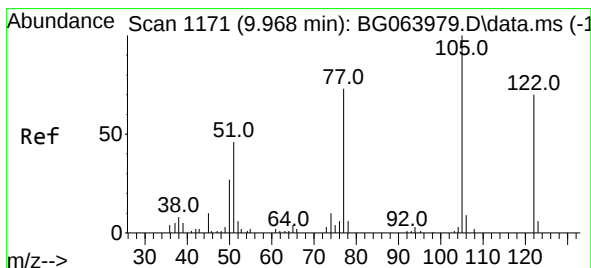
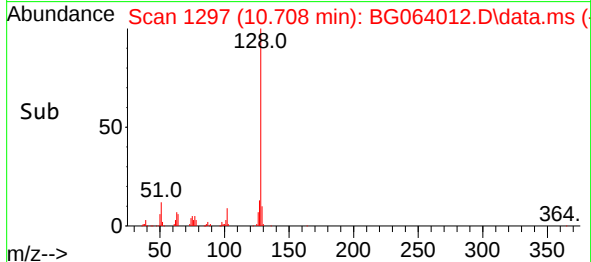
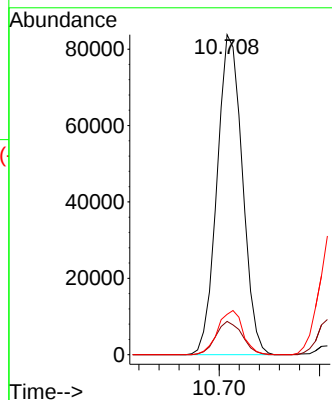
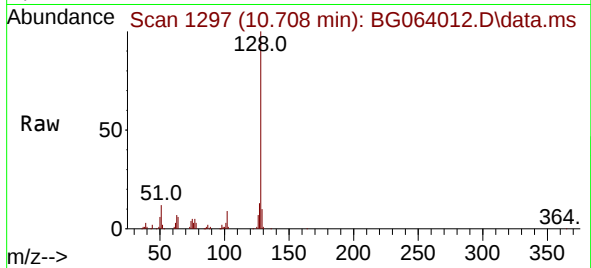




#31
Naphthalene
Concen: 8.768 ng
RT: 10.708 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

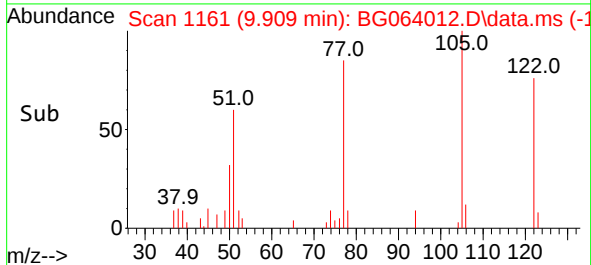
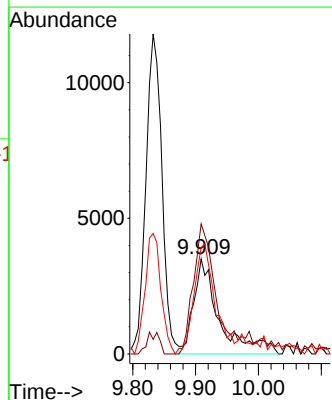
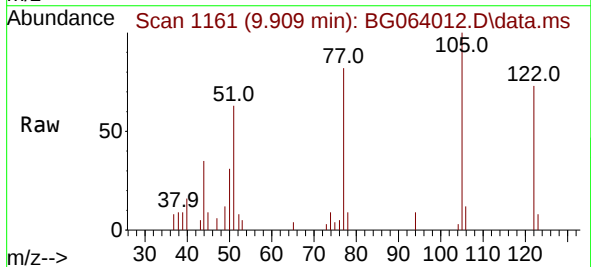
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2024

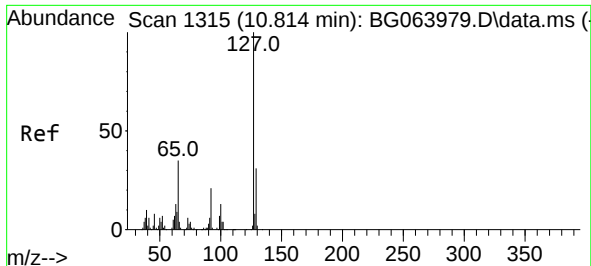
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.6	10.8	16.2



#32
Benzoic acid
Concen: 11.954 ng m
RT: 9.909 min Scan# 1161
Delta R.T. -0.059 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	136.9	117.9	157.9
77	112.2	83.9	123.9

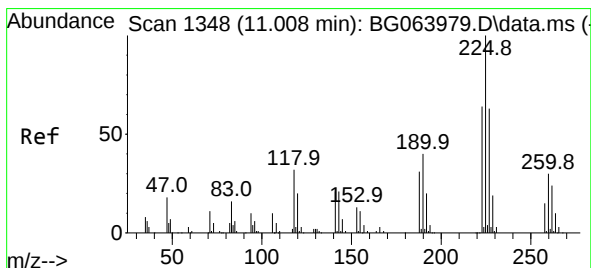
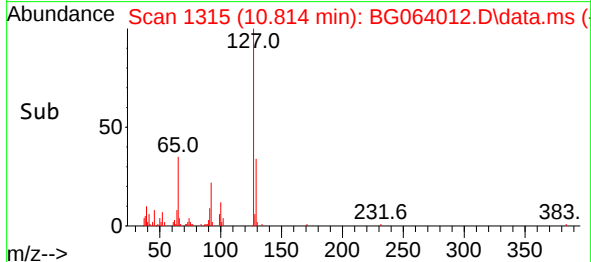
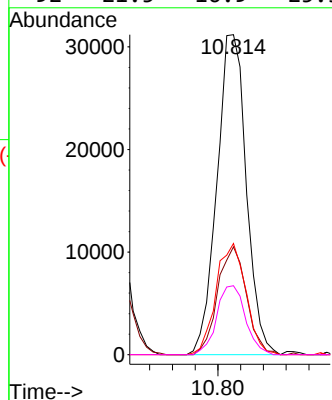
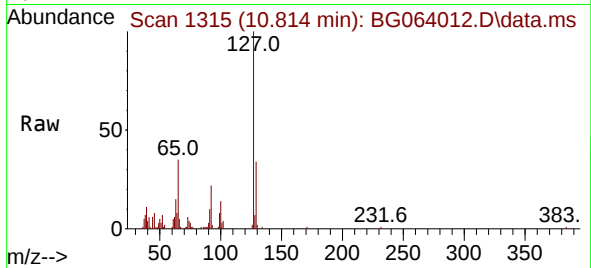




#33
4-Chloroaniline
Concen: 8.734 ng
RT: 10.814 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

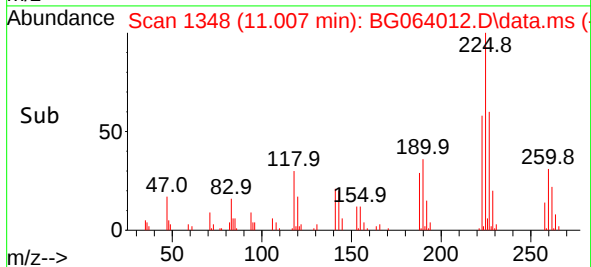
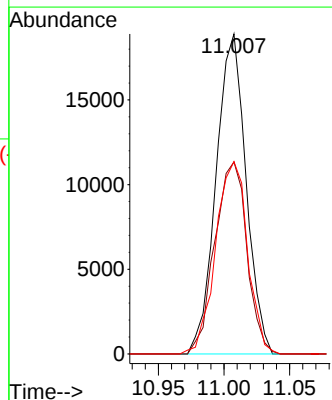
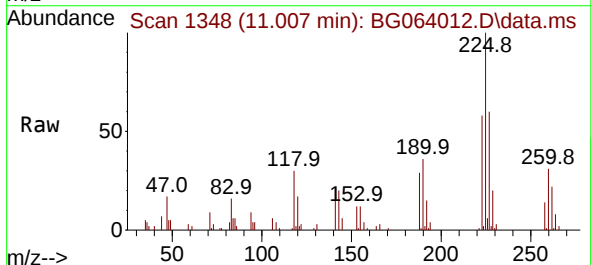
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

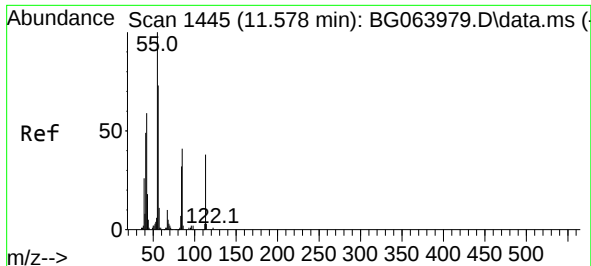
Tgt Ion:	127	Resp:	55958
Ion	Ratio	Lower	Upper
127	100		
129	33.7	24.9	37.3
65	34.7	28.2	42.4
92	21.5	16.9	25.3



#34
Hexachlorobutadiene
Concen: 8.944 ng
RT: 11.007 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:	225	Resp:	29947
Ion	Ratio	Lower	Upper
225	100		
223	60.0	51.0	76.6
227	60.1	50.3	75.5

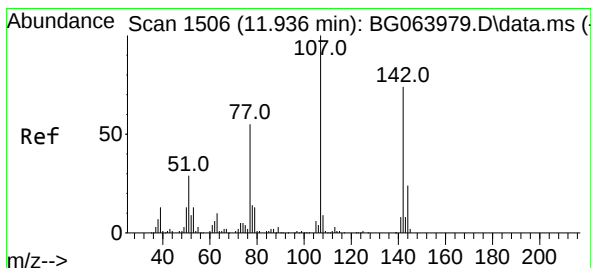
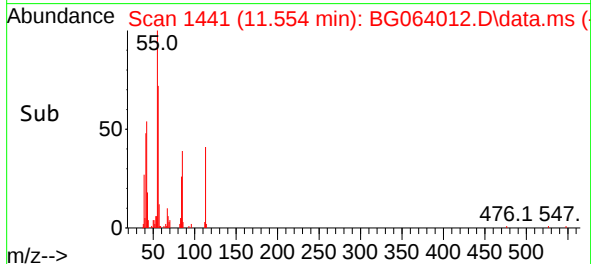
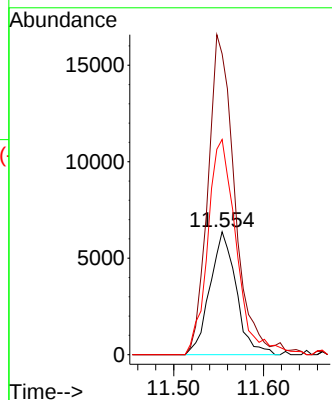
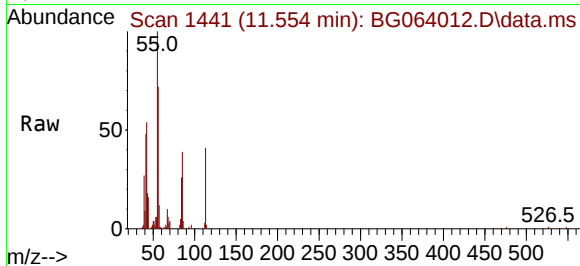




#35
Caprolactam
Concen: 12.361 ng
RT: 11.554 min Scan# 1441
Delta R.T. -0.024 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

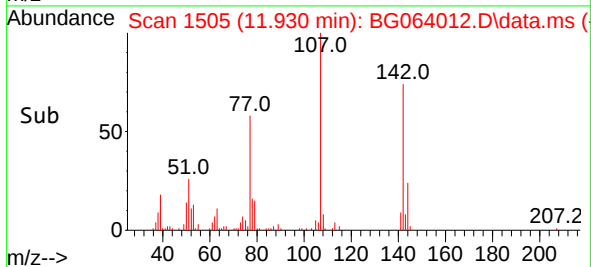
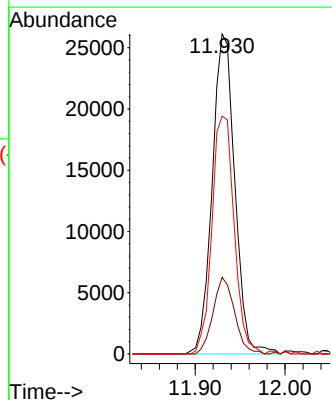
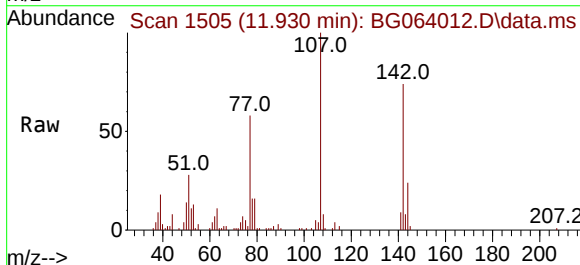
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

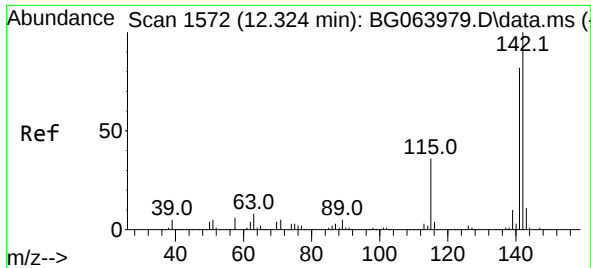
Tgt Ion:113 Resp: 12963
Ion Ratio Lower Upper
113 100
55 244.6 241.8 281.8
56 175.0 171.5 211.5



#36
4-Chloro-3-methylphenol
Concen: 8.906 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:107 Resp: 45625
Ion Ratio Lower Upper
107 100
144 23.9 19.2 28.8
142 74.4 58.9 88.3

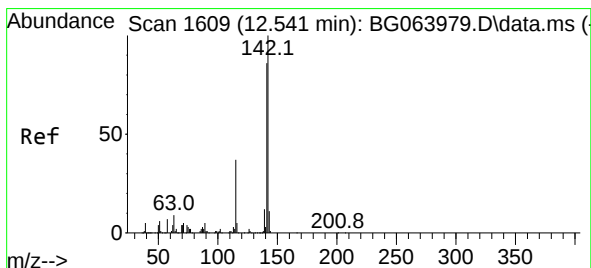
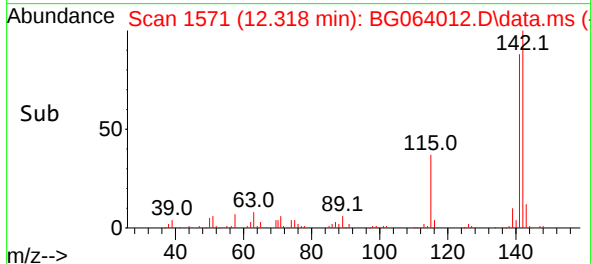
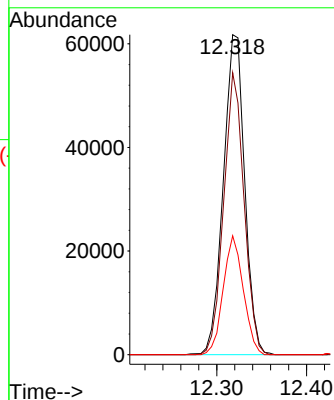
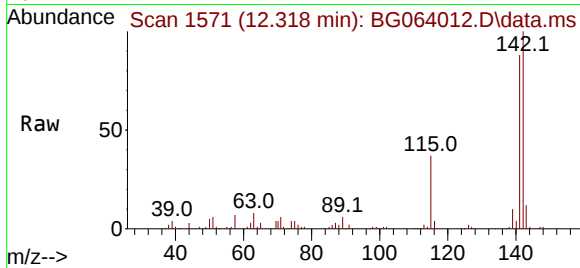




#37
2-Methylnaphthalene
Concen: 8.751 ng
RT: 12.318 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

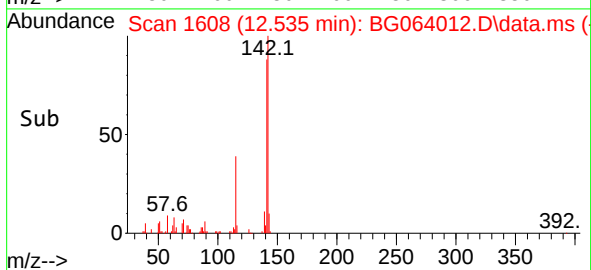
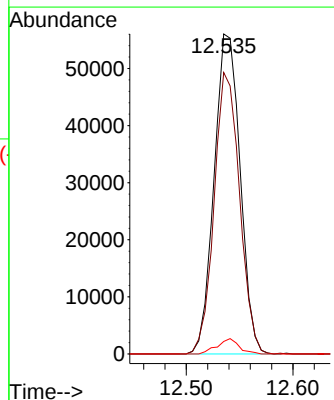
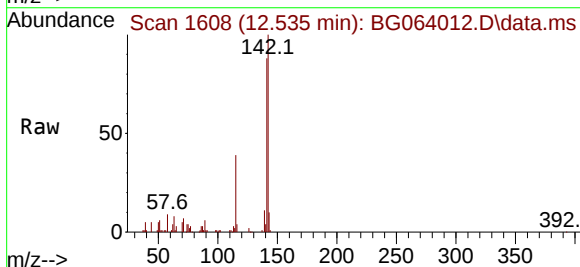
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

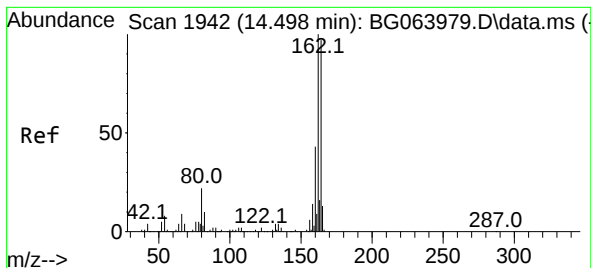
Tgt Ion:142 Resp: 101977
Ion Ratio Lower Upper
142 100
141 88.1 65.8 98.8
115 37.2 28.9 43.3



#38
1-Methylnaphthalene
Concen: 8.232 ng
RT: 12.535 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:142 Resp: 94926
Ion Ratio Lower Upper
142 100
141 88.0 69.2 103.8
116 3.9 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.498 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

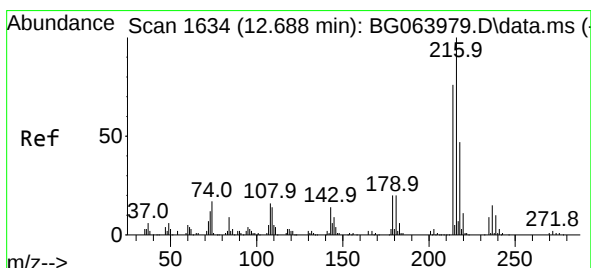
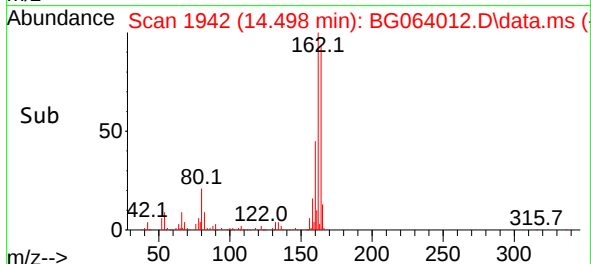
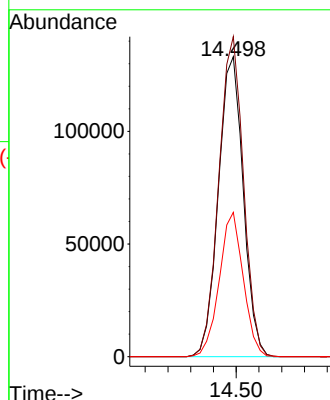
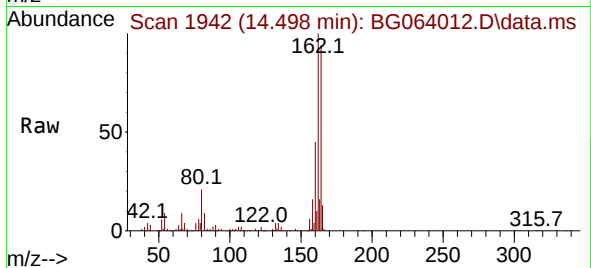
Tgt Ion:164 Resp: 202189

Ion Ratio Lower Upper

164 100

162 106.7 82.3 123.5

160 48.1 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.250 ng

RT: 12.688 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Tgt Ion:216 Resp: 55155

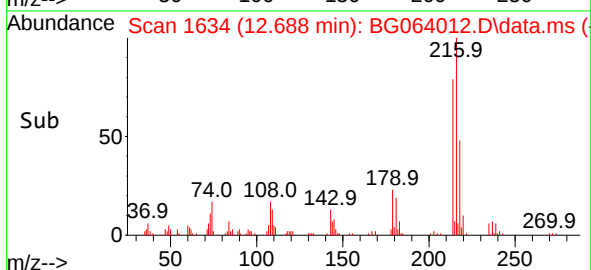
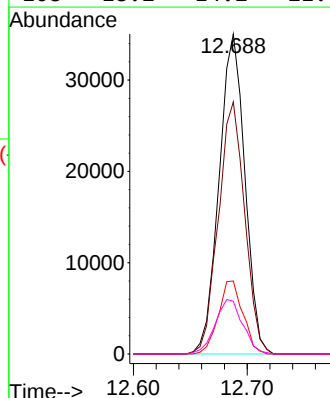
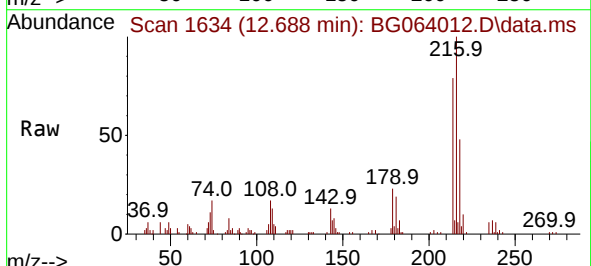
Ion Ratio Lower Upper

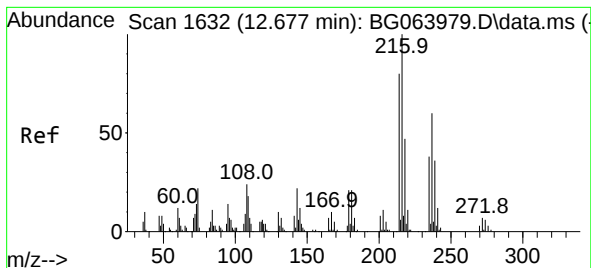
216 100

214 80.2 62.9 94.3

179 21.7 16.6 25.0

108 18.2 14.2 21.4





#41

Hexachlorocyclopentadiene

Concen: 7.499 ng

RT: 12.670 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

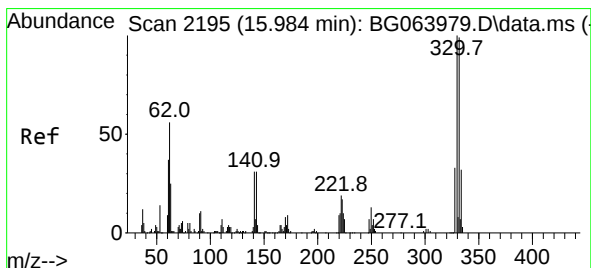
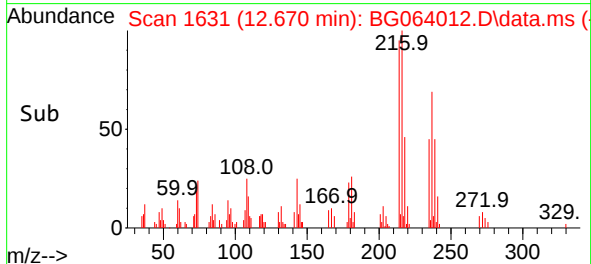
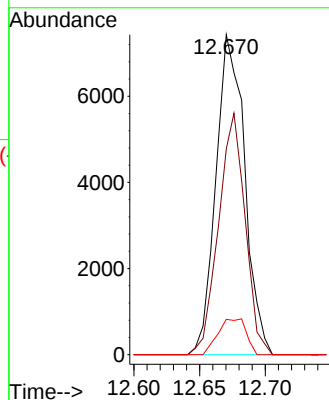
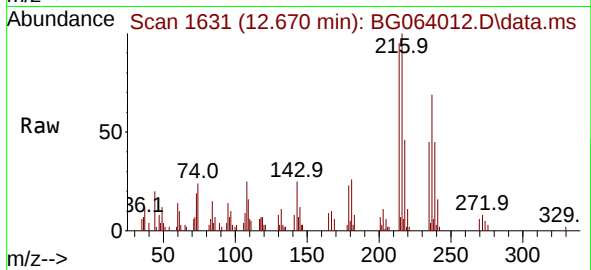
Tgt Ion:237 Resp: 11316

Ion Ratio Lower Upper

237 100

235 64.3 43.8 83.8

272 11.0 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 129.721 ng

RT: 15.984 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

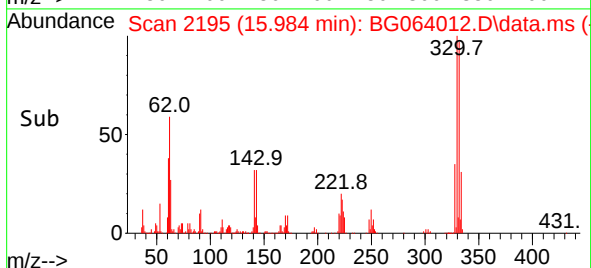
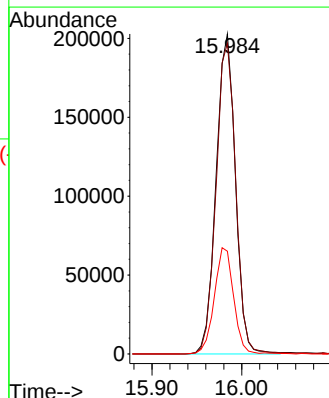
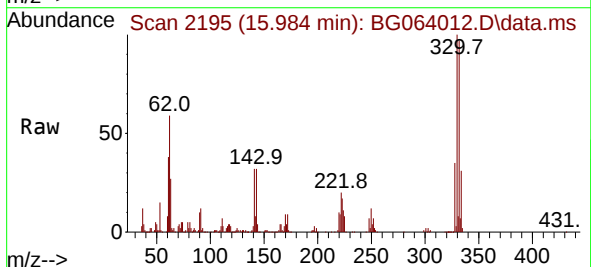
Tgt Ion:330 Resp: 302943

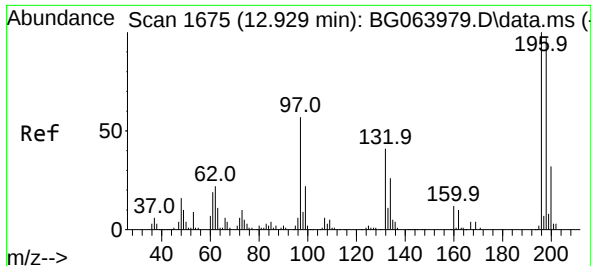
Ion Ratio Lower Upper

330 100

332 98.7 79.0 118.6

141 33.3 27.2 40.8

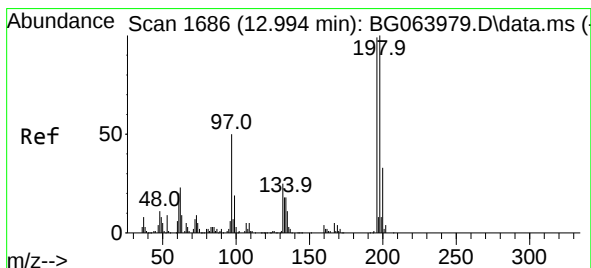
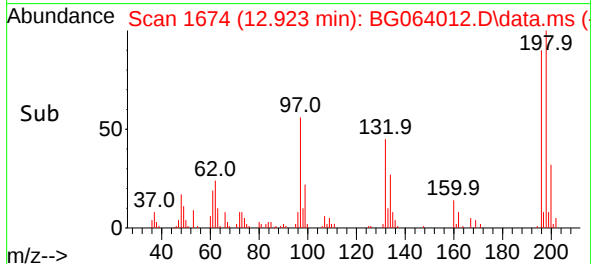
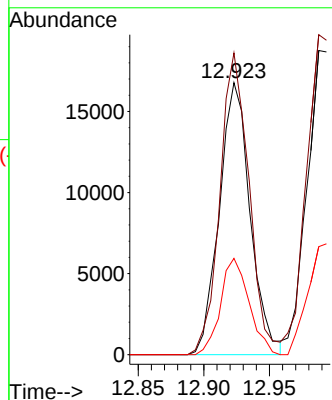
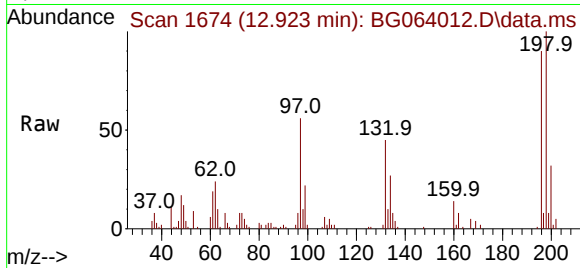




#43
2,4,6-Trichlorophenol
Concen: 11.924 ng
RT: 12.923 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

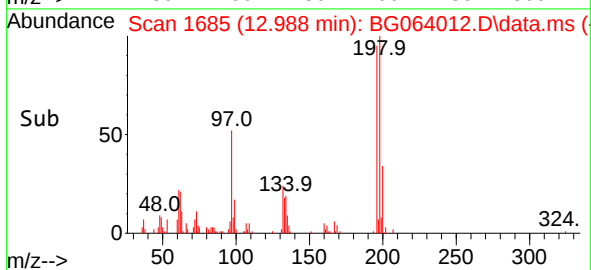
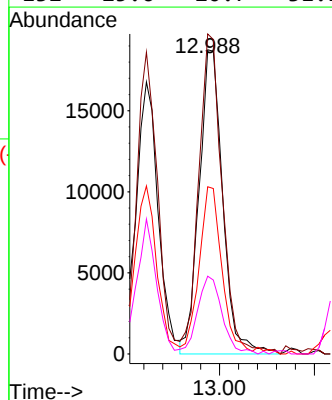
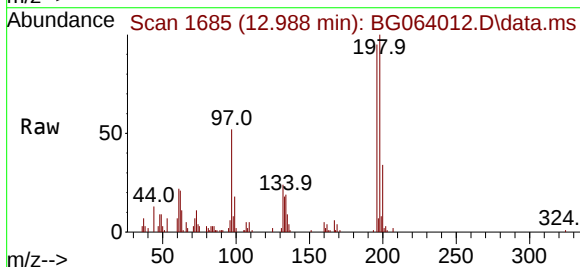
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

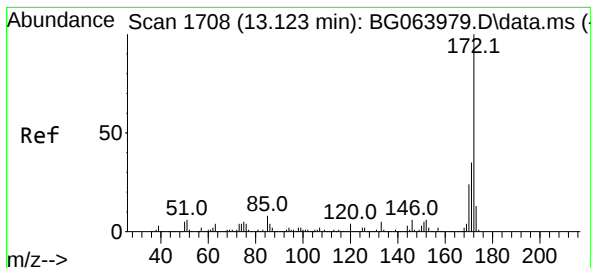
Tgt Ion:196 Resp: 27428
Ion Ratio Lower Upper
196 100
198 111.0 77.9 116.9
200 35.4 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 11.492 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:196 Resp: 32437
Ion Ratio Lower Upper
196 100
198 105.2 81.1 121.7
97 54.9 41.2 61.8
132 25.6 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 92.977 ng

RT: 13.123 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

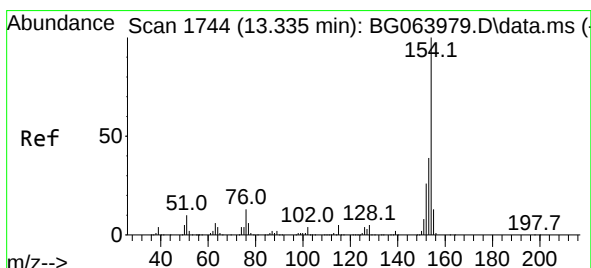
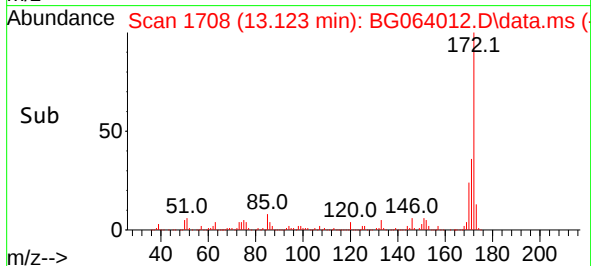
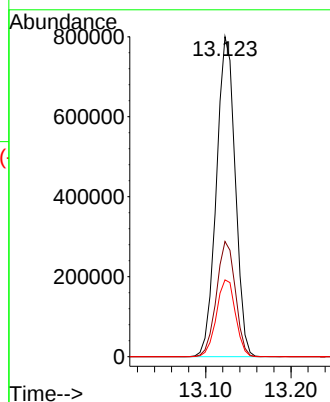
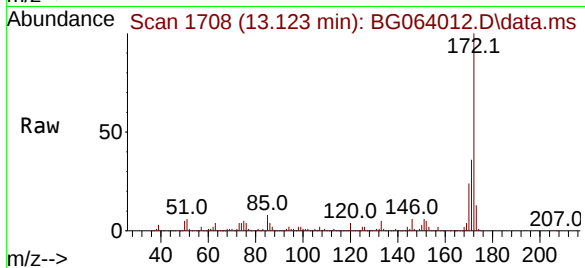
Tgt Ion:172 Resp: 1226972

Ion Ratio Lower Upper

172 100

171 36.0 27.8 41.6

170 24.0 19.4 29.2



#46

1,1'-Biphenyl

Concen: 9.537 ng

RT: 13.334 min Scan# 1744

Delta R.T. -0.001 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

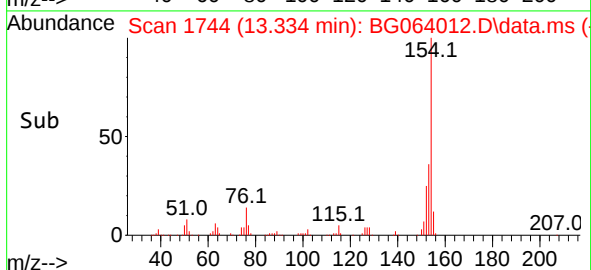
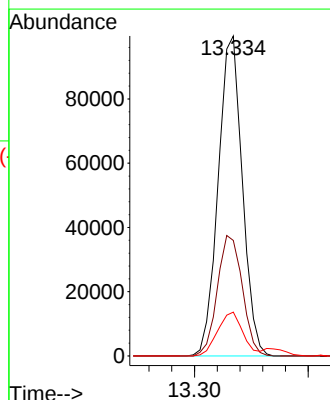
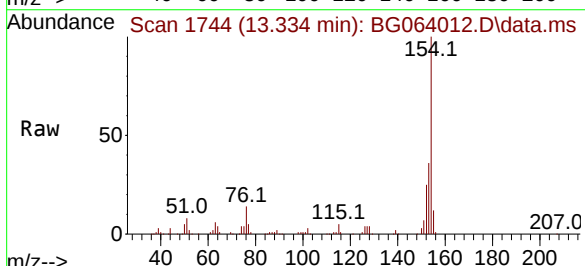
Tgt Ion:154 Resp: 146814

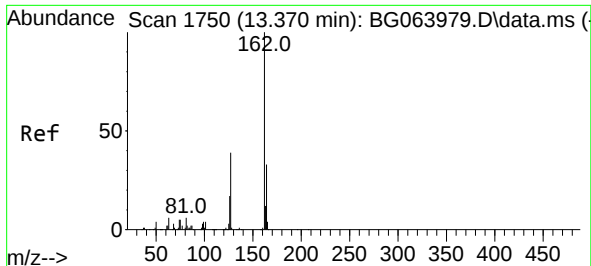
Ion Ratio Lower Upper

154 100

153 36.1 19.3 59.3

76 13.7 0.0 33.3

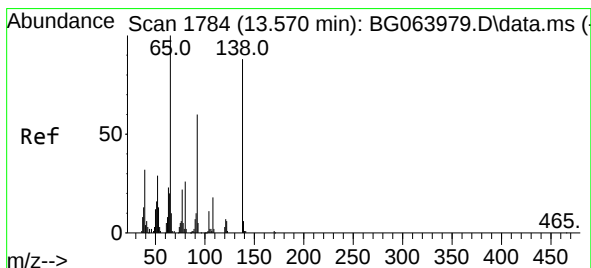
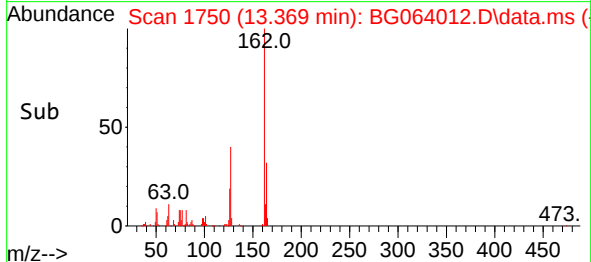
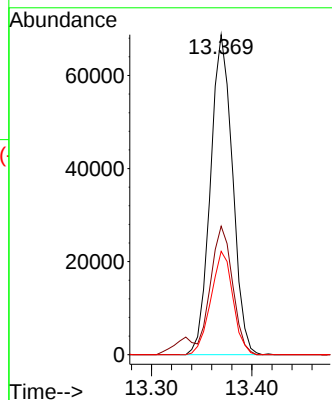
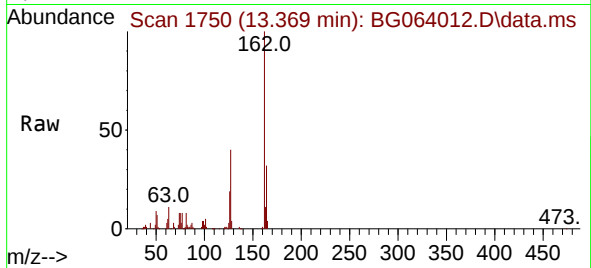




#47
2-Chloronaphthalene
Concen: 9.374 ng
RT: 13.369 min Scan# 1750
Delta R.T. -0.001 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

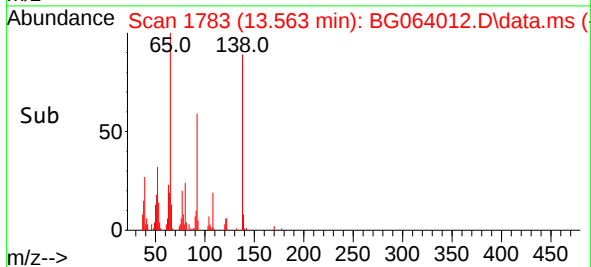
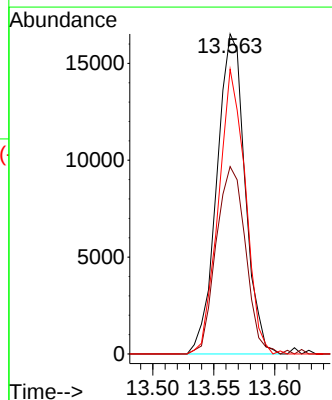
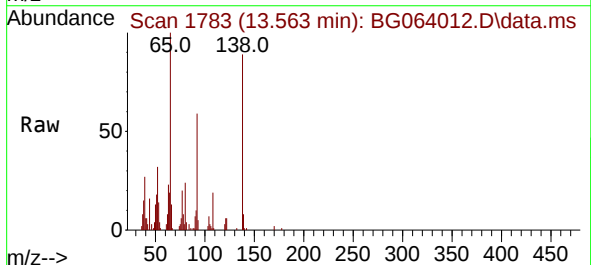
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

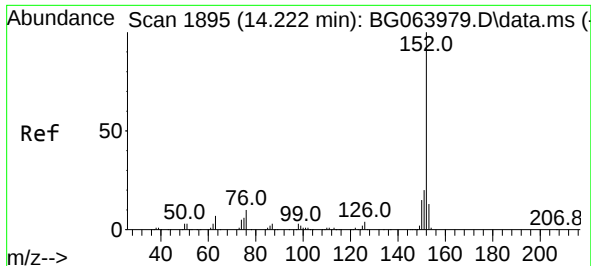
Tgt Ion:162 Resp: 105173
Ion Ratio Lower Upper
162 100
127 40.1 33.4 50.2
164 32.3 26.0 39.0



#48
2-Nitroaniline
Concen: 13.828 ng
RT: 13.563 min Scan# 1783
Delta R.T. -0.007 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion: 65 Resp: 26572
Ion Ratio Lower Upper
65 100
92 58.6 47.6 71.4
138 89.0 70.6 106.0

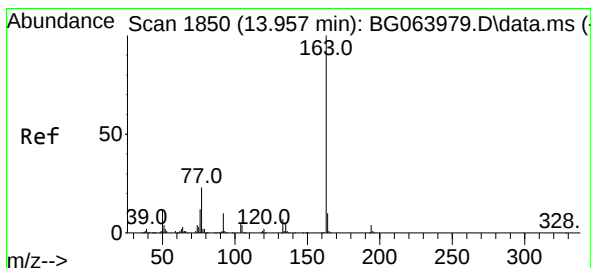
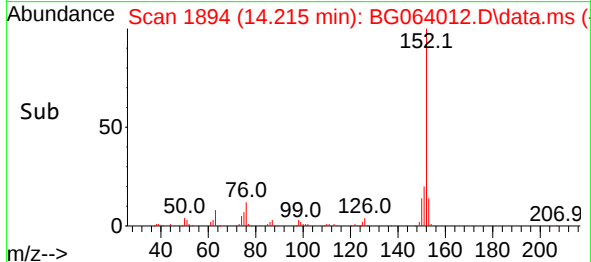
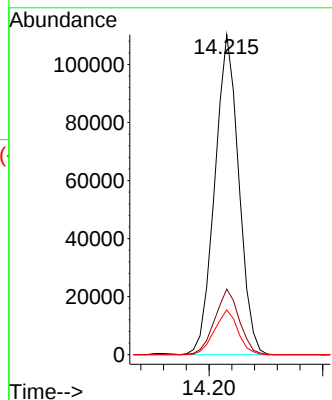
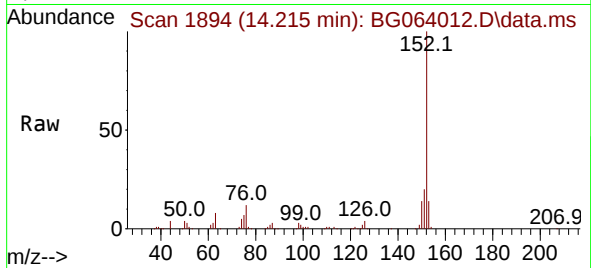




#49
Acenaphthylene
Concen: 9.275 ng
RT: 14.215 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

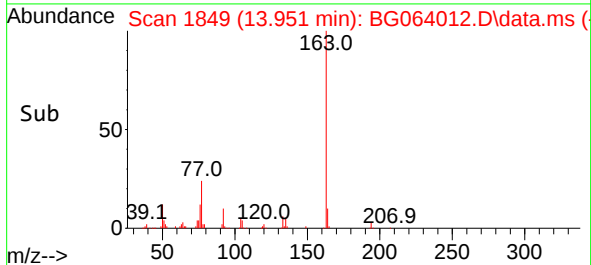
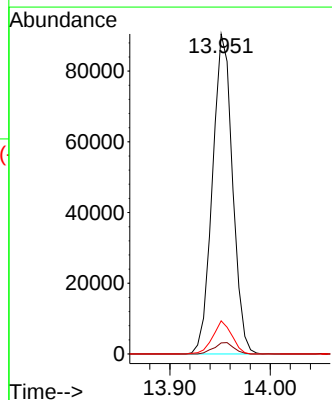
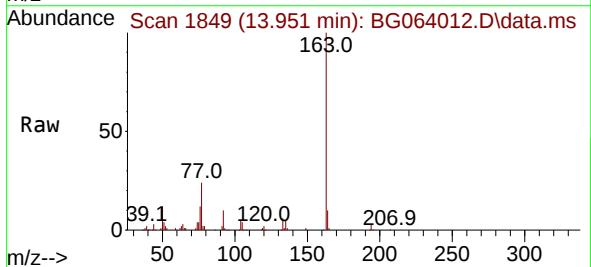
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

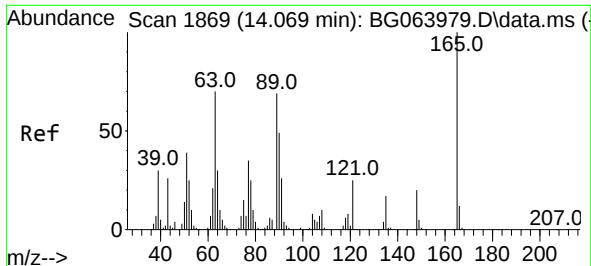
Tgt Ion:152 Resp: 161647
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 14.0 10.3 15.5



#50
Dimethylphthalate
Concen: 9.379 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:163 Resp: 125738
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.4 8.0 12.0

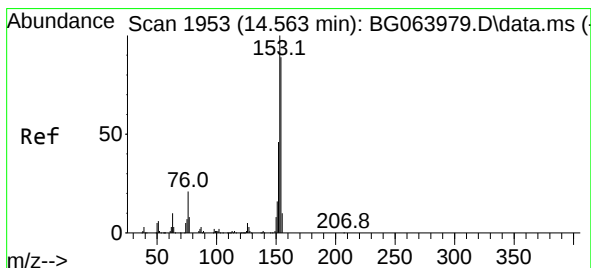
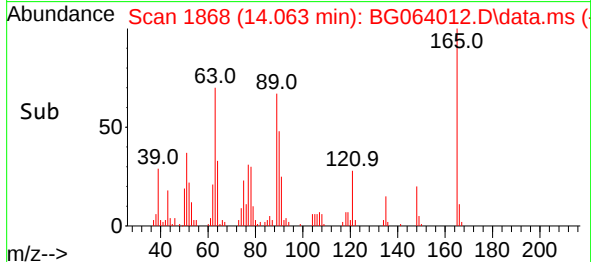
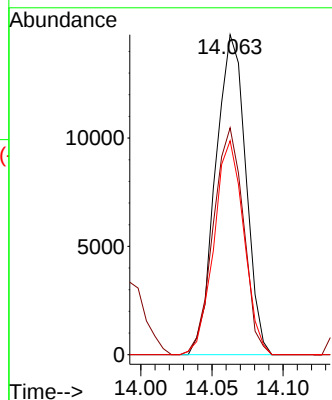
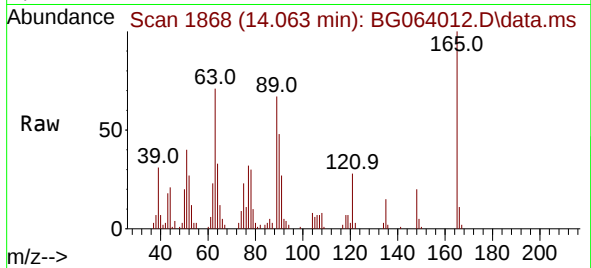




#51
2,6-Dinitrotoluene
Concen: 13.231 ng
RT: 14.063 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

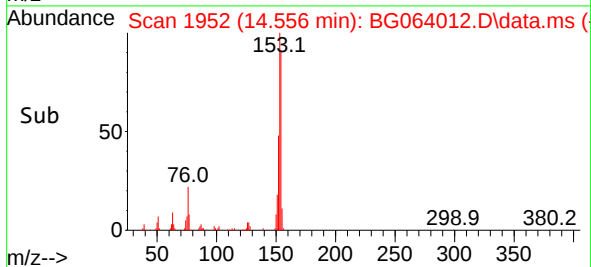
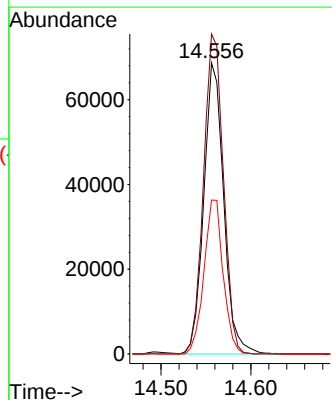
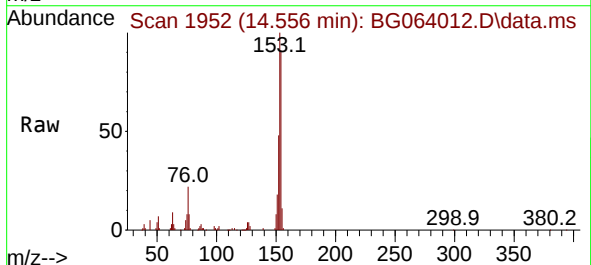
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

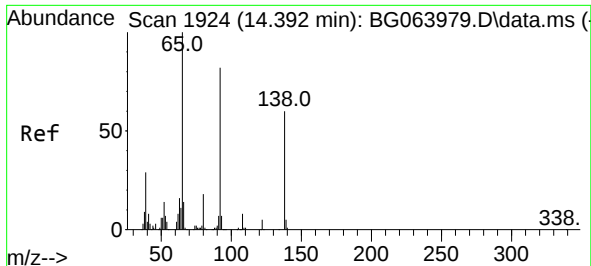
Tgt Ion:165 Resp: 21807
Ion Ratio Lower Upper
165 100
63 70.9 57.7 86.5
89 66.8 55.6 83.4



#52
Acenaphthene
Concen: 9.063 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.007 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:154 Resp: 105944
Ion Ratio Lower Upper
154 100
153 110.0 90.2 135.2
152 52.9 41.1 61.7

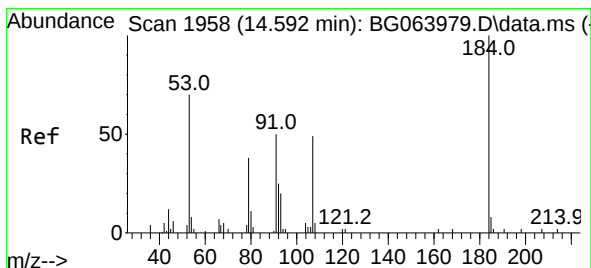
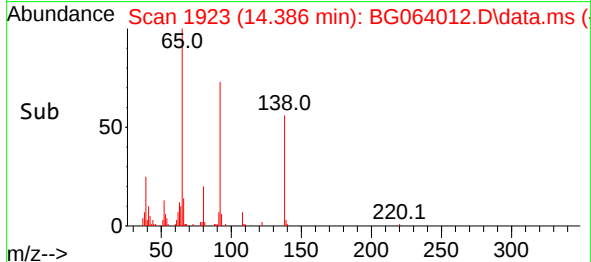
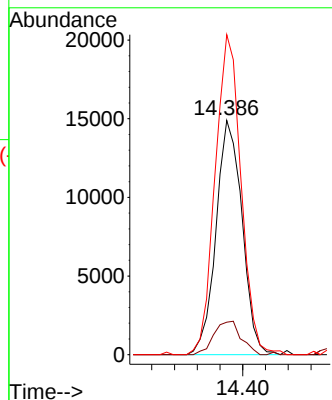
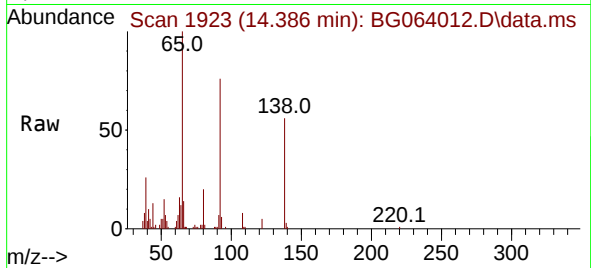




#53
3-Nitroaniline
Concen: 12.437 ng
RT: 14.386 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

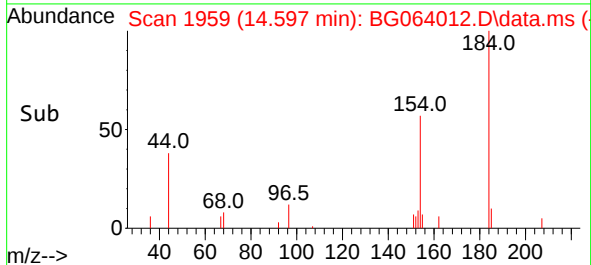
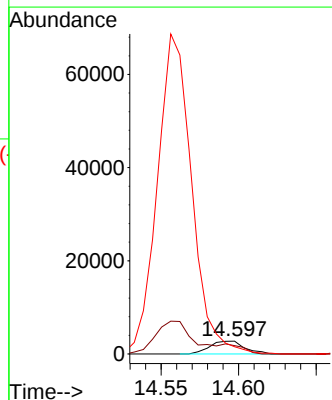
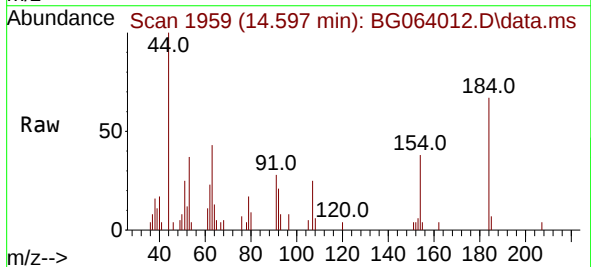
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

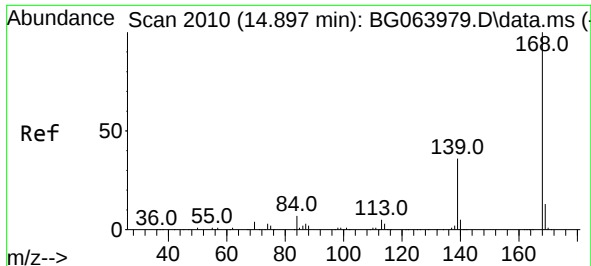
Tgt Ion:138 Resp: 23746
Ion Ratio Lower Upper
138 100
108 13.9 10.3 15.5
92 136.6 109.0 163.4



#54
2,4-Dinitrophenol
Concen: 12.966 ng
RT: 14.597 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:184 Resp: 4293
Ion Ratio Lower Upper
184 100
63 65.0 67.3 100.9#
154 56.7 65.9 98.9#

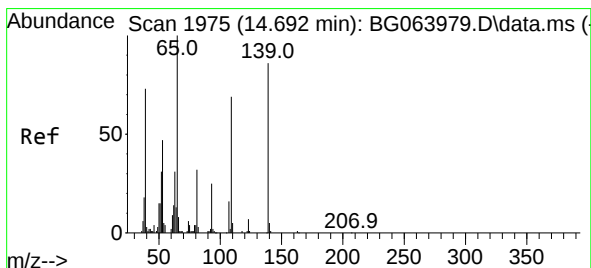
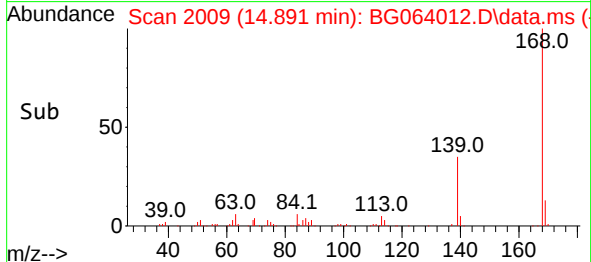
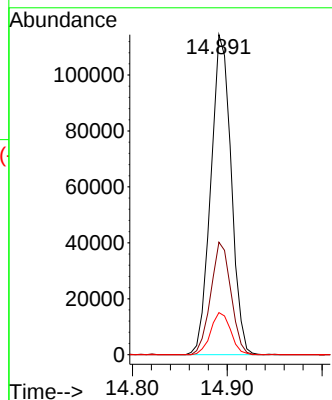
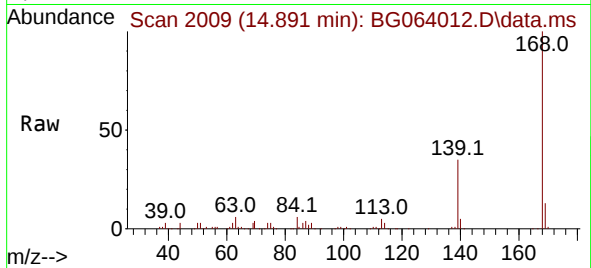




#55
Dibenzofuran
Concen: 8.964 ng
RT: 14.891 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

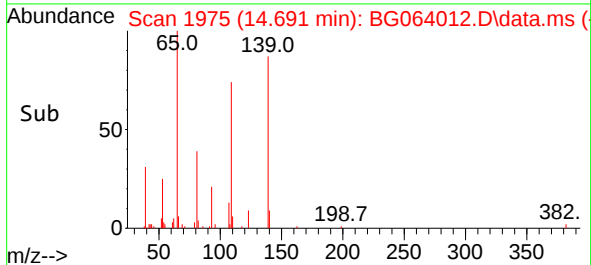
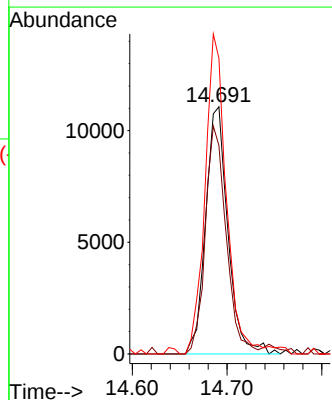
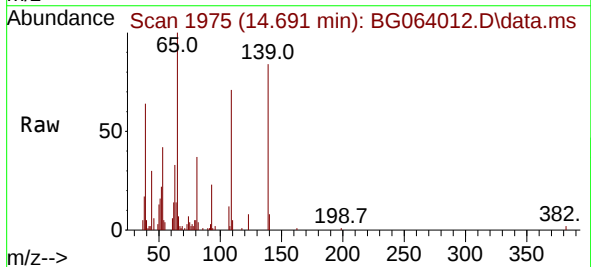
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2024

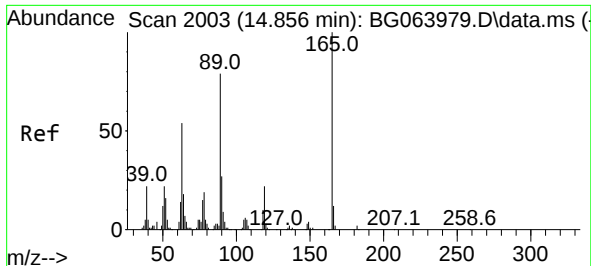
Tgt Ion:168 Resp: 170151
Ion Ratio Lower Upper
168 100
139 35.1 28.6 43.0
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 14.672 ng
RT: 14.691 min Scan# 1975
Delta R.T. -0.001 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:139 Resp: 18079
Ion Ratio Lower Upper
139 100
109 84.3 60.1 100.1
65 119.5 96.2 136.2

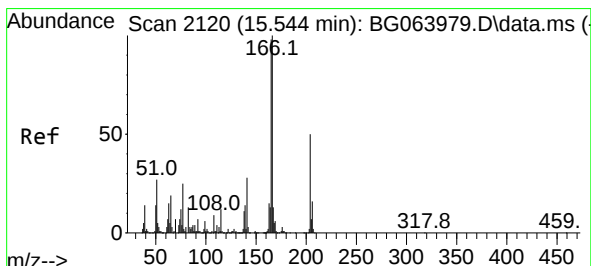
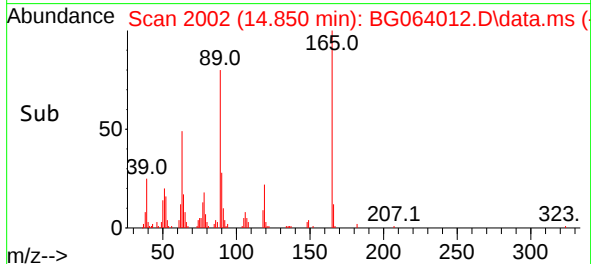
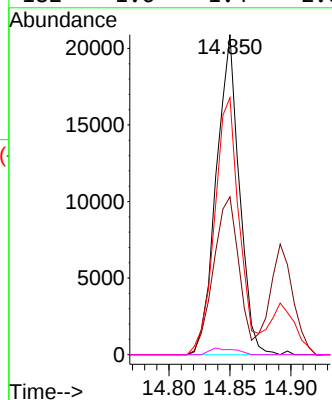
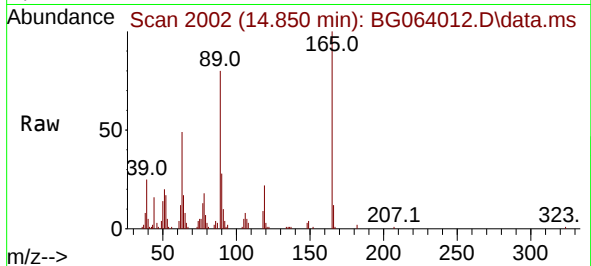




#57
2,4-Dinitrotoluene
Concen: 13.473 ng
RT: 14.850 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

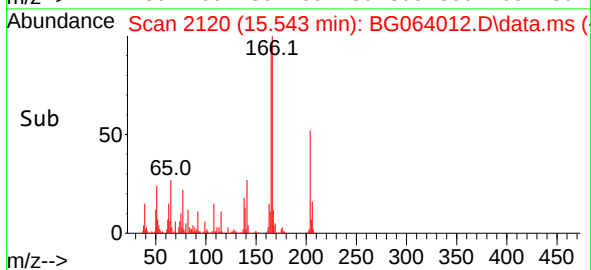
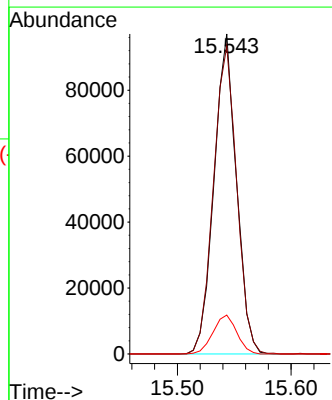
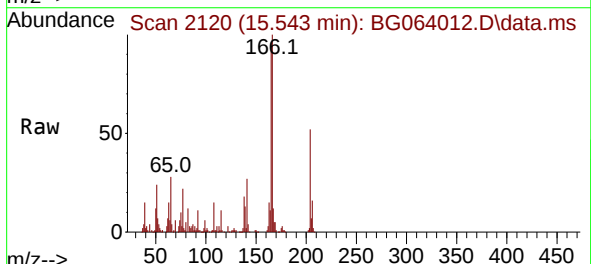
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

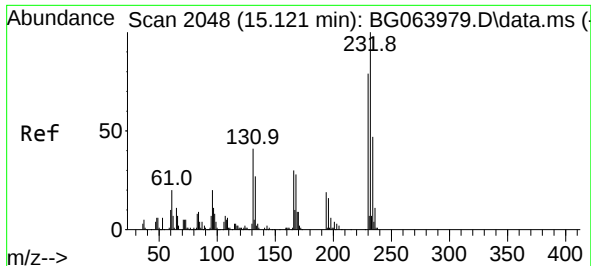
Tgt Ion:165 Resp: 27550
Ion Ratio Lower Upper
165 100
63 49.3 43.6 65.4
89 80.3 63.1 94.7
182 1.6 1.4 2.0



#58
Fluorene
Concen: 9.031 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:166 Resp: 132499
Ion Ratio Lower Upper
166 100
165 96.2 78.7 118.1
167 12.1 10.1 15.1

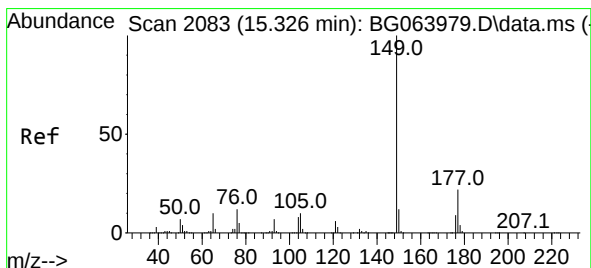
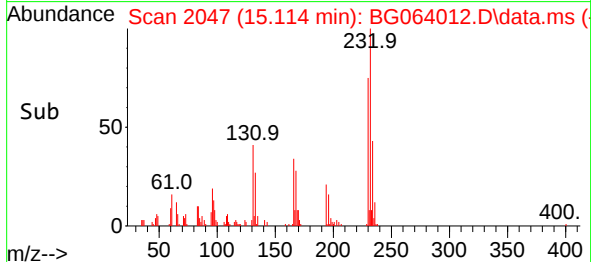
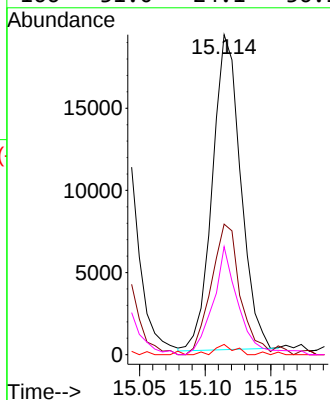
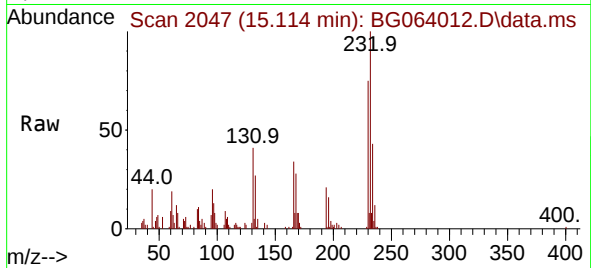




#59
2,3,4,6-Tetrachlorophenol
Concen: 11.948 ng
RT: 15.114 min Scan# 2047
Delta R.T. -0.007 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

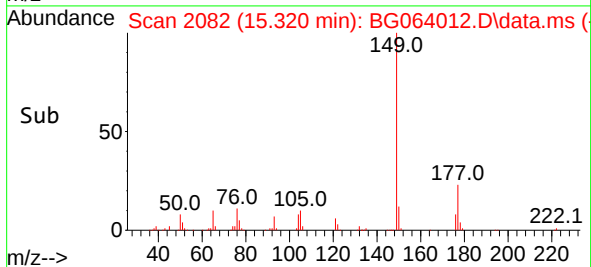
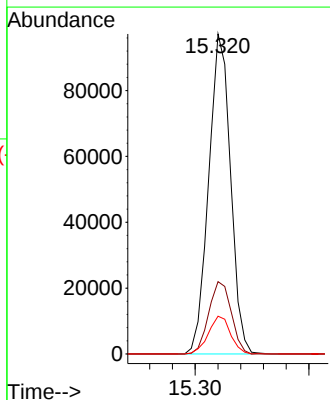
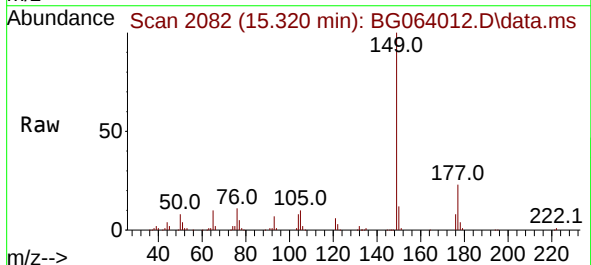
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

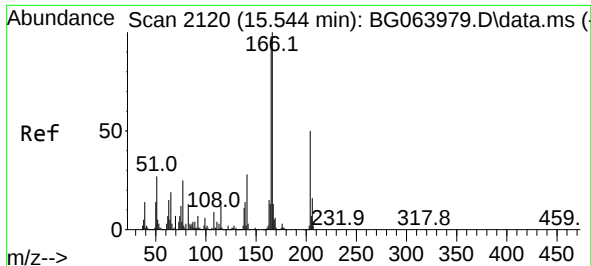
Tgt Ion:232 Resp: 28764
Ion Ratio Lower Upper
232 100
131 43.3 34.0 51.0
130 2.3 2.2 3.4
166 31.0 24.1 36.1



#60
Diethylphthalate
Concen: 9.105 ng
RT: 15.320 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:149 Resp: 129420
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 11.8 9.7 14.5

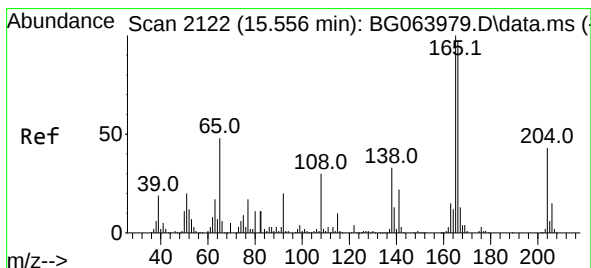
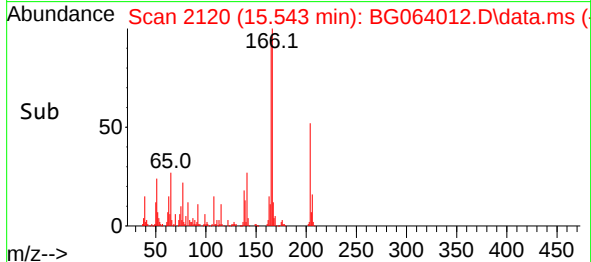
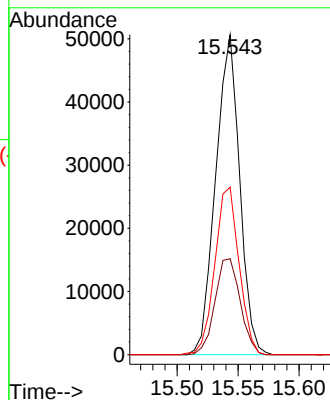
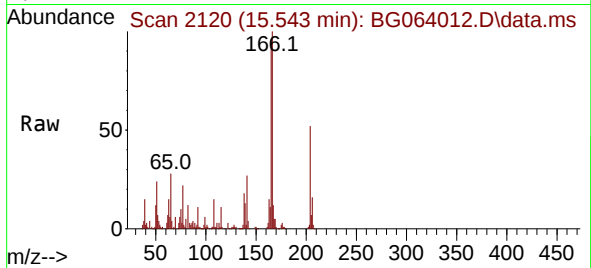




#61
4-Chlorophenyl-phenylether
Concen: 9.413 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

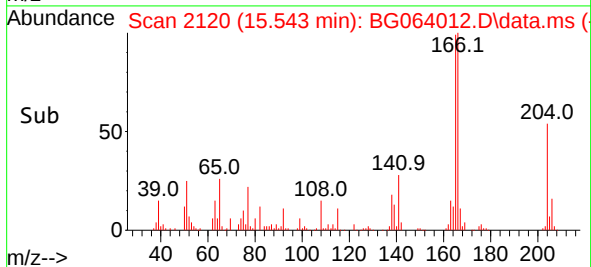
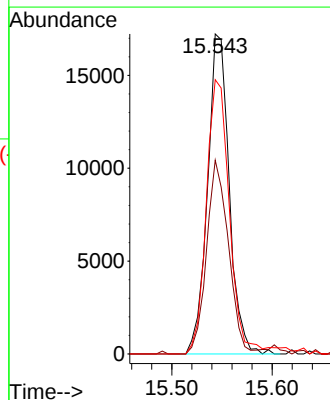
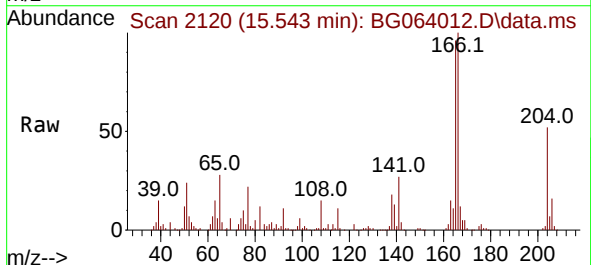
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

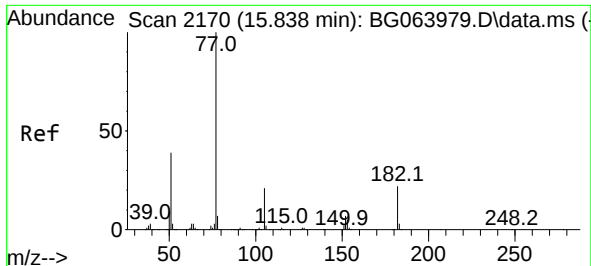
Tgt Ion:204 Resp: 69292
Ion Ratio Lower Upper
204 100
206 30.0 25.8 38.6
141 52.3 44.6 67.0



#62
4-Nitroaniline
Concen: 11.419 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.013 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:138 Resp: 25856
Ion Ratio Lower Upper
138 100
92 60.5 40.3 80.3
108 85.7 69.3 109.3

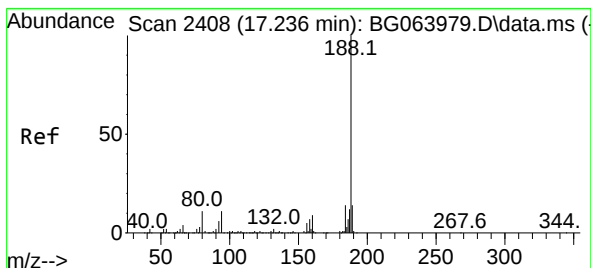
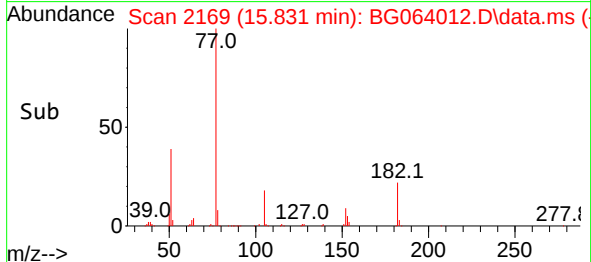
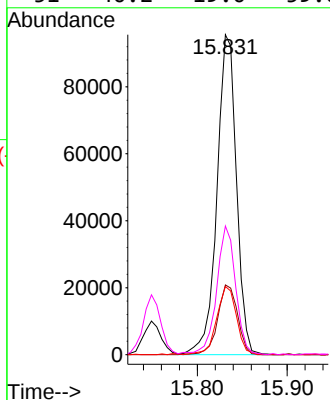
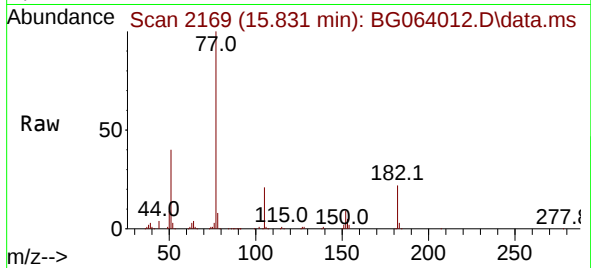




#63
Azobenzene
Concen: 8.573 ng
RT: 15.831 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

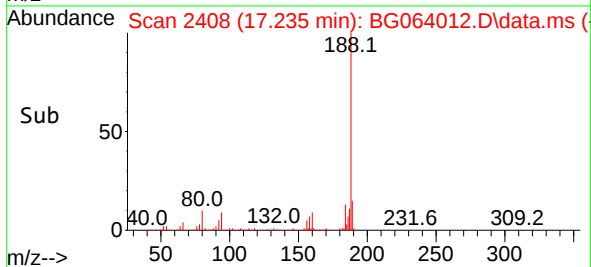
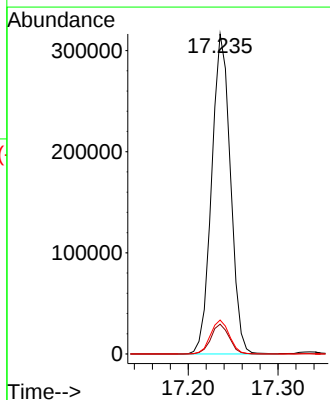
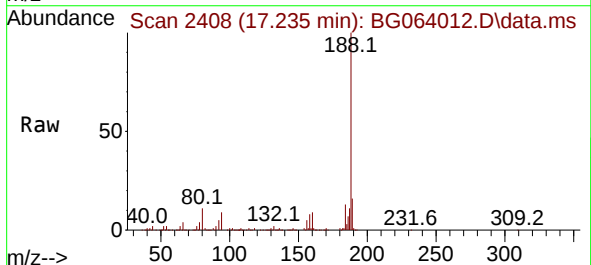
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

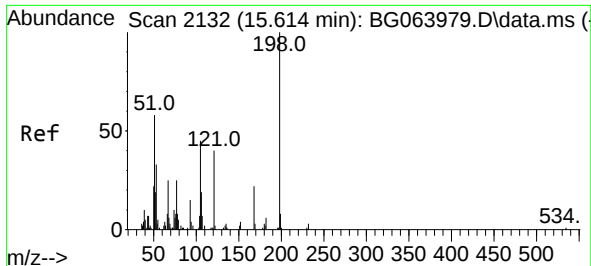
Tgt Ion: 77	Resp: 143924
Ion Ratio	Lower Upper
77 100	
182 21.8	2.3 42.3
105 21.3	1.0 41.0
51 40.2	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.235 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:188	Resp: 460104
Ion Ratio	Lower Upper
188 100	
94 9.3	8.6 13.0
80 10.6	8.5 12.7

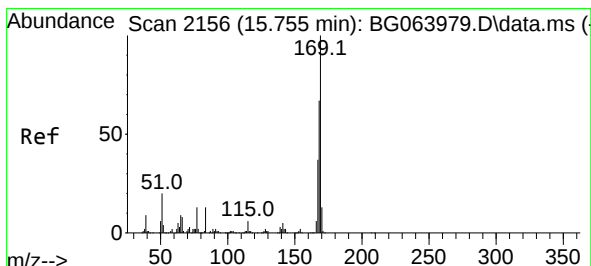
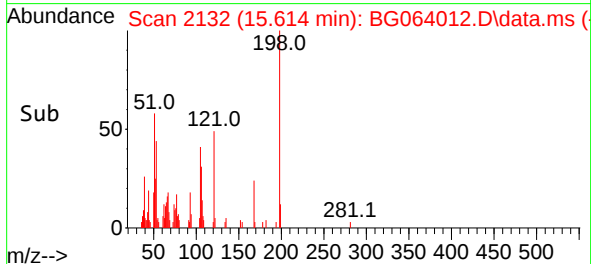
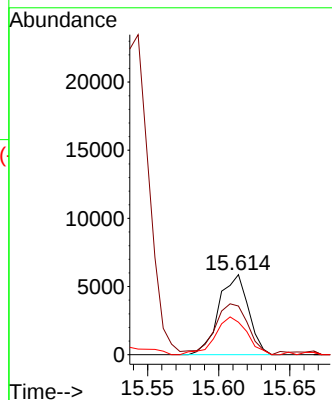
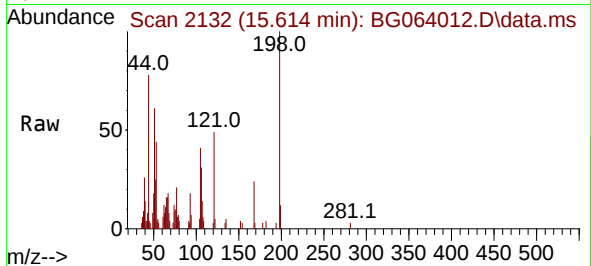




#65
4,6-Dinitro-2-methylphenol
Concen: 14.011 ng
RT: 15.614 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

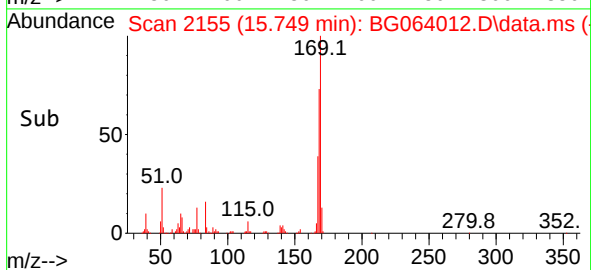
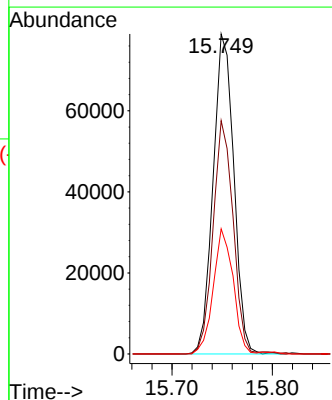
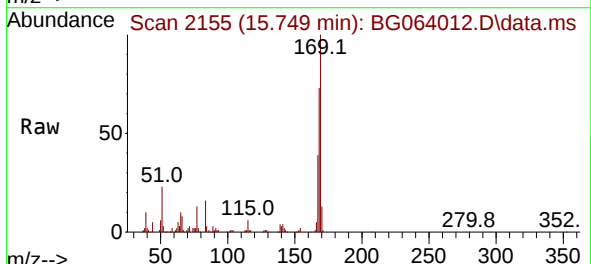
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

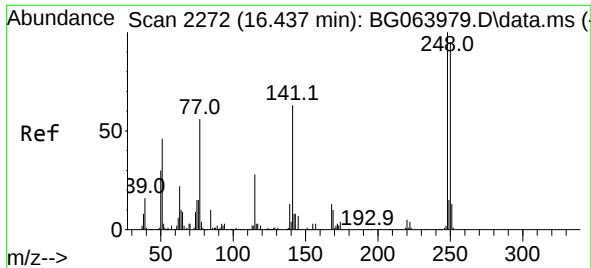
Tgt Ion:198 Resp: 8483
Ion Ratio Lower Upper
198 100
51 60.7 45.4 85.4
105 40.5 27.7 67.7



#66
n-Nitrosodiphenylamine
Concen: 8.863 ng
RT: 15.749 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:169 Resp: 113069
Ion Ratio Lower Upper
169 100
168 72.9 53.5 80.3
167 39.1 30.0 45.0

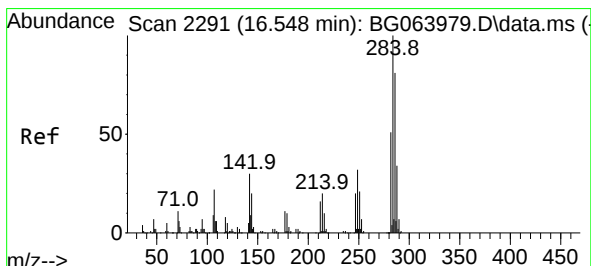
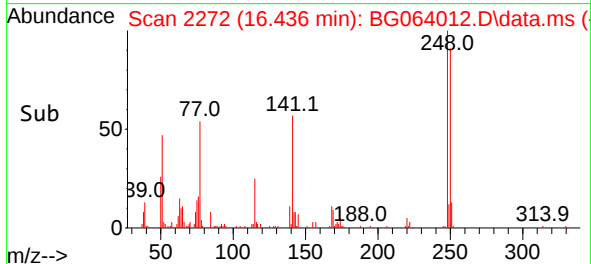
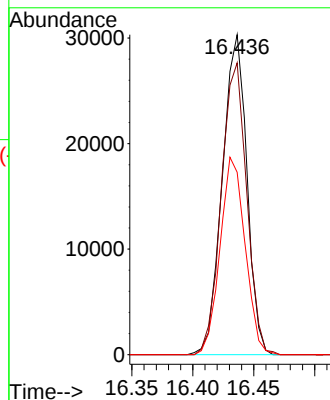
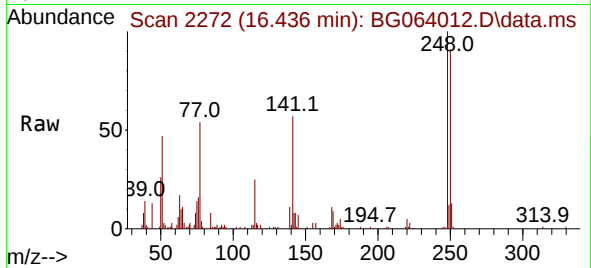




#67
4-Bromophenyl-phenylether
Concen: 9.251 ng
RT: 16.436 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

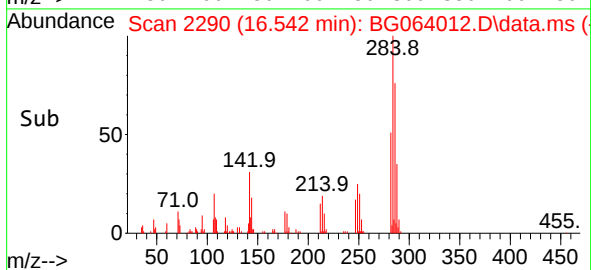
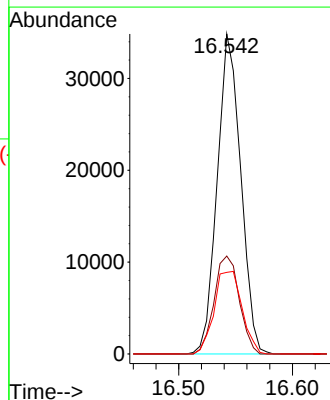
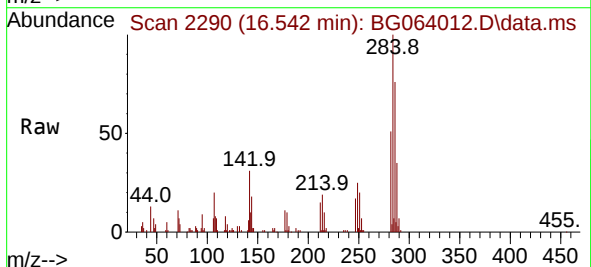
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

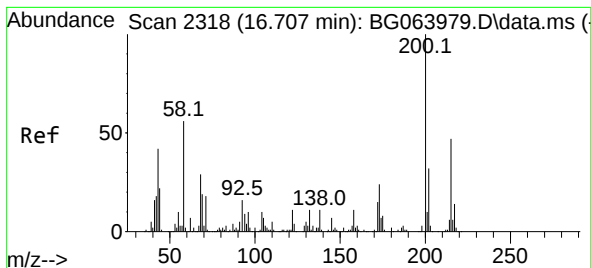
Tgt Ion:248 Resp: 42364
Ion Ratio Lower Upper
248 100
250 91.2 76.2 114.4
141 57.0 50.6 75.8



#68
Hexachlorobenzene
Concen: 9.302 ng
RT: 16.542 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:284 Resp: 50083
Ion Ratio Lower Upper
284 100
142 30.6 23.8 35.8
249 25.5 25.9 38.9#





#69

Atrazine

Concen: 10.055 ng

RT: 16.701 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

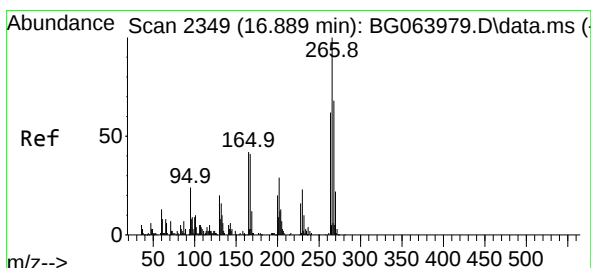
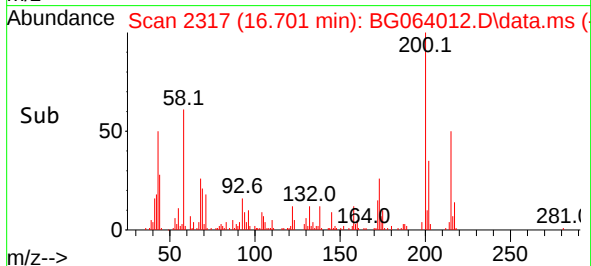
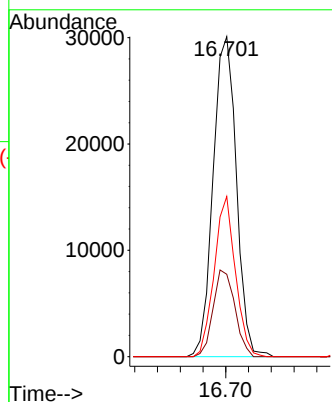
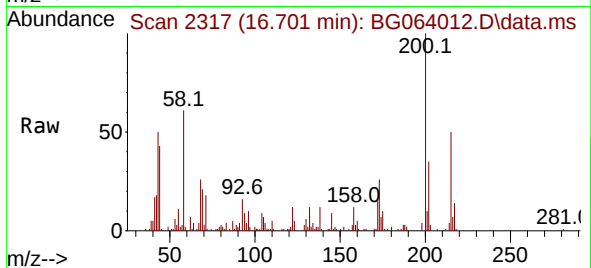
Tgt Ion:200 Resp: 42684

Ion Ratio Lower Upper

200 100

173 25.8 3.8 43.8

215 50.1 26.6 66.6



#70

Pentachlorophenol

Concen: 14.122 ng

RT: 16.883 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

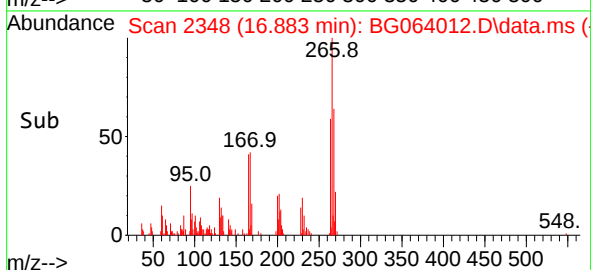
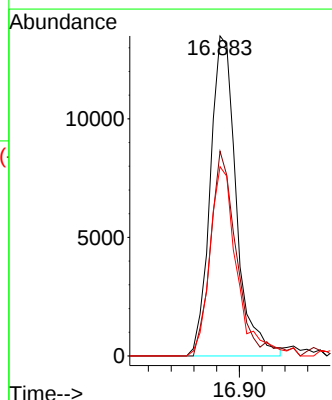
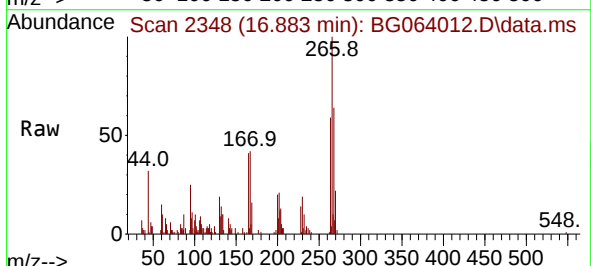
Tgt Ion:266 Resp: 21436

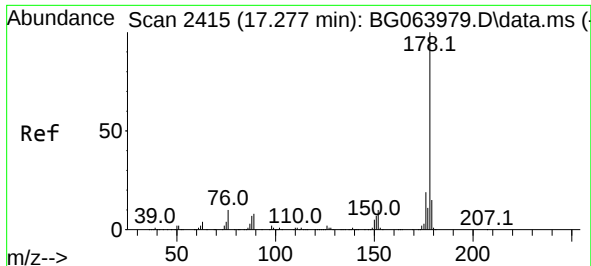
Ion Ratio Lower Upper

266 100

268 64.0 54.8 82.2

264 63.0 50.0 75.0

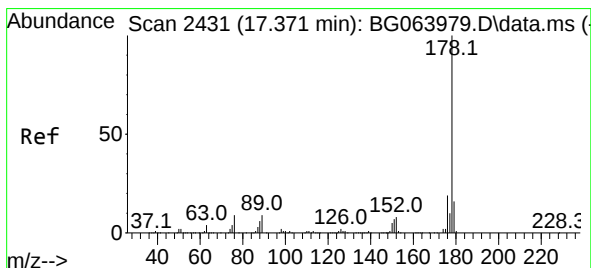
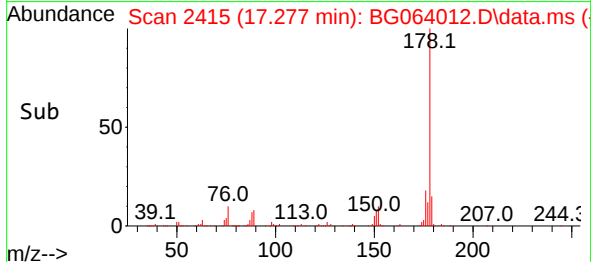
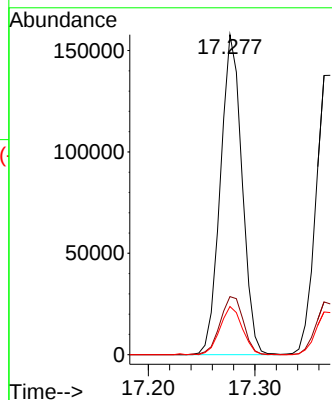
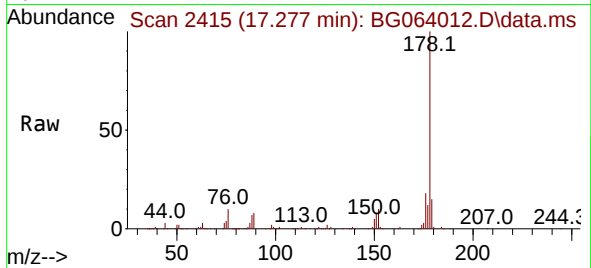




#71
Phenanthrene
Concen: 9.198 ng
RT: 17.277 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

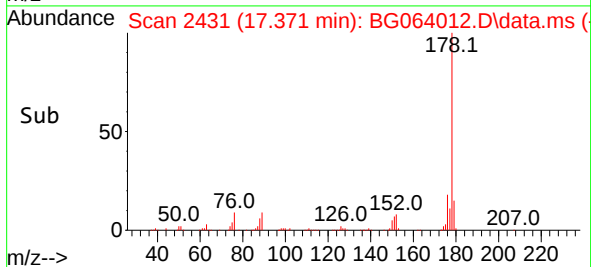
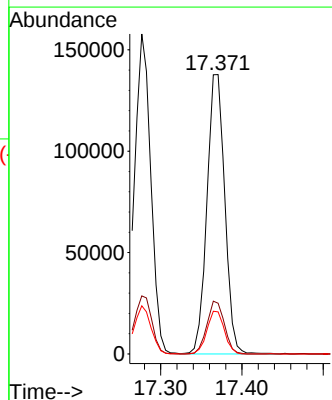
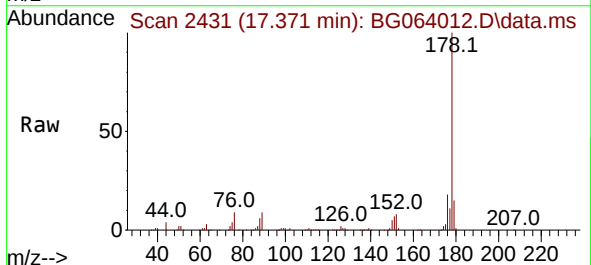
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

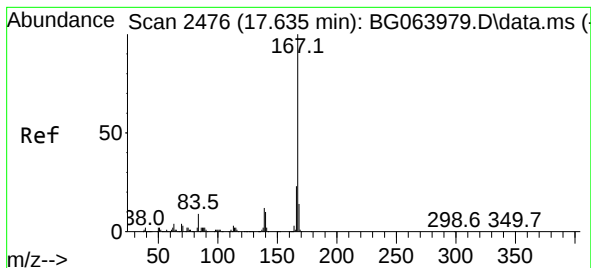
Tgt Ion:178 Resp: 222281
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 15.0 12.2 18.4



#72
Anthracene
Concen: 8.680 ng
RT: 17.371 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:178 Resp: 209899
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.0 12.8 19.2





#73

Carbazole

Concen: 8.970 ng

RT: 17.635 min Scan# 24

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

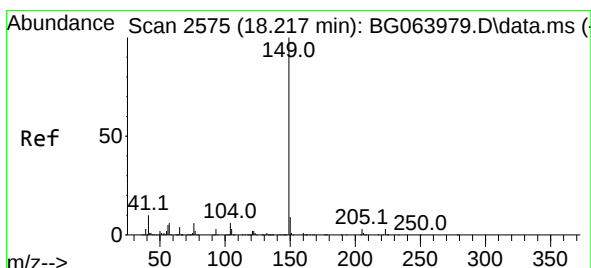
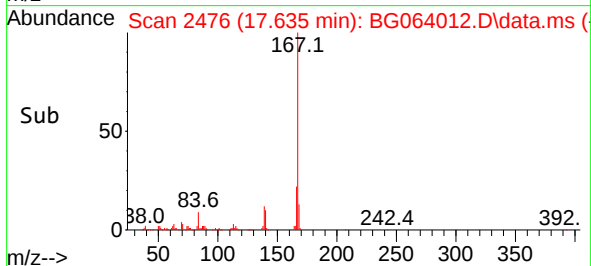
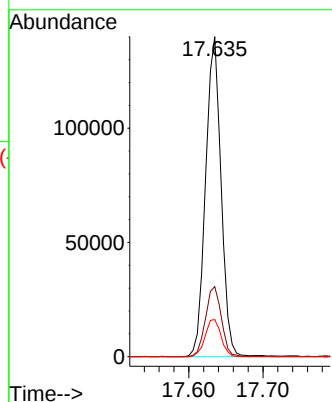
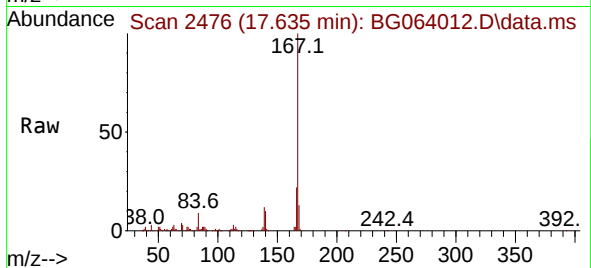
Tgt Ion:167 Resp: 203043

Ion Ratio Lower Upper

167 100

166 21.9 18.6 28.0

139 11.6 9.8 14.8



#74

Di-n-butylphthalate

Concen: 9.412 ng

RT: 18.217 min Scan# 2575

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

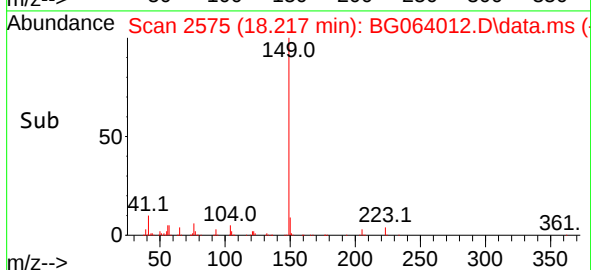
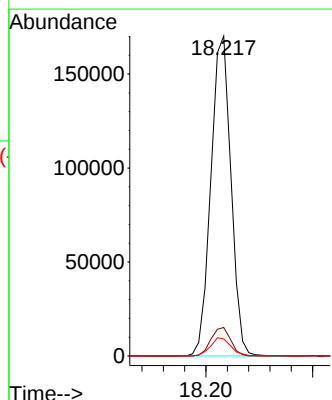
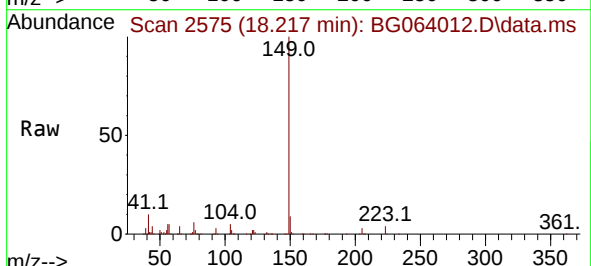
Tgt Ion:149 Resp: 222086

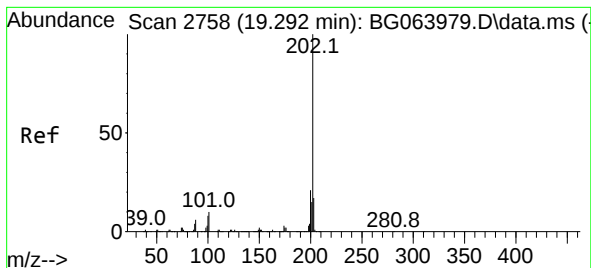
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 5.4 4.6 6.8





#75

Fluoranthene

Concen: 9.087 ng

RT: 19.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

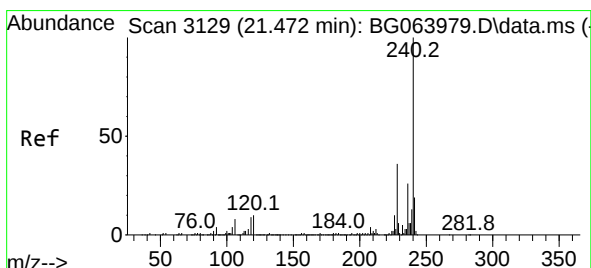
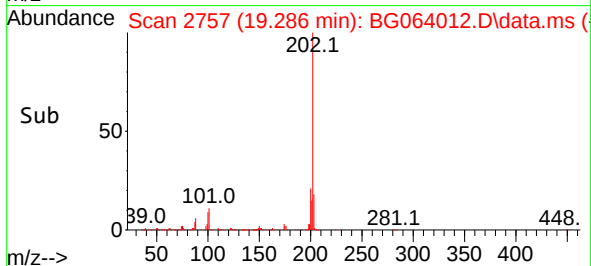
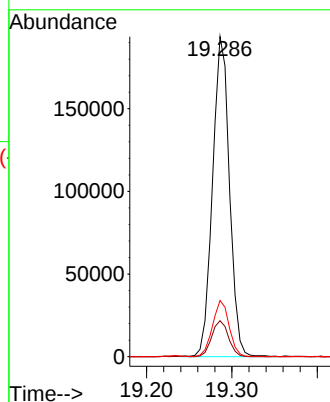
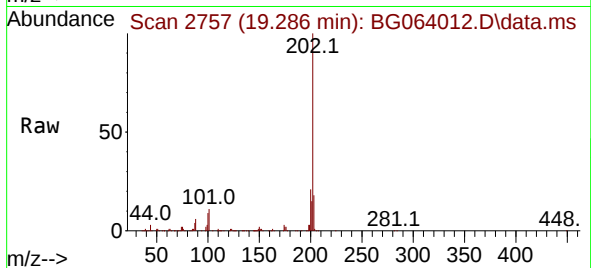
Tgt Ion:202 Resp: 267386

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.4

203 17.5 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.472 min Scan# 3129

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

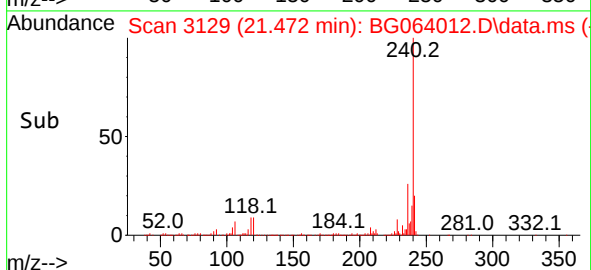
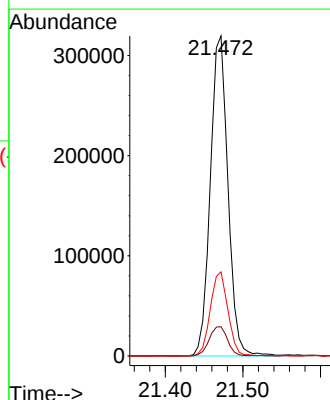
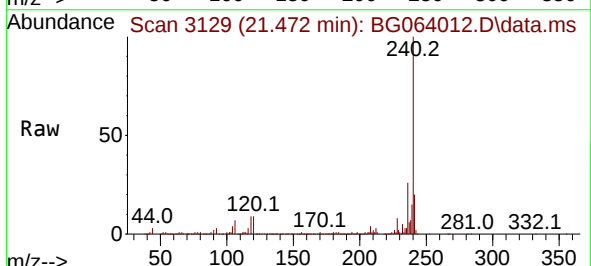
Tgt Ion:240 Resp: 504450

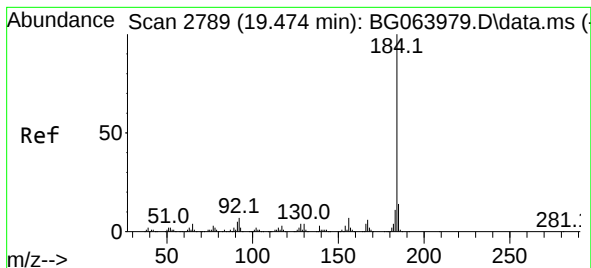
Ion Ratio Lower Upper

240 100

120 9.2 7.9 11.9

236 26.3 21.0 31.6





#77

Benzidine

Concen: 6.731 ng

RT: 19.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

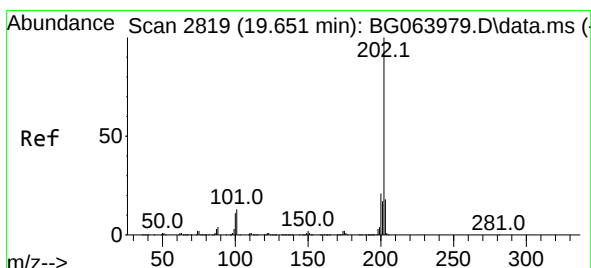
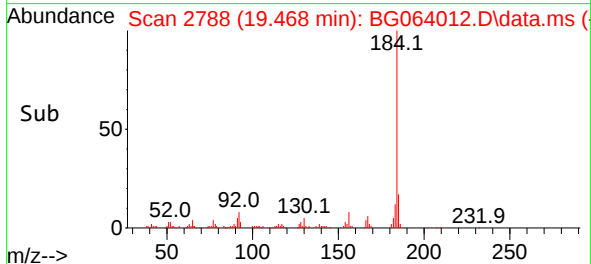
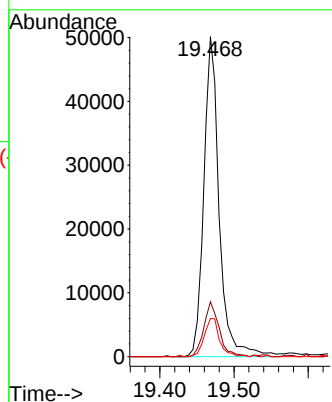
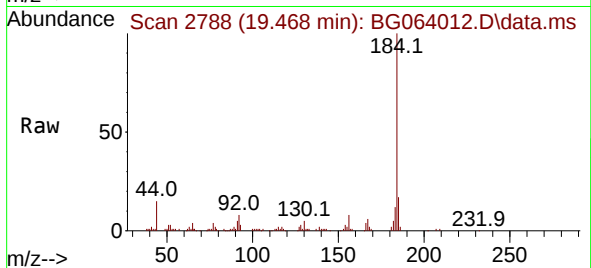
Tgt Ion:184 Resp: 72307

Ion Ratio Lower Upper

184 100

185 17.2 11.2 16.8#

183 11.9 8.7 13.1



#78

Pyrene

Concen: 9.314 ng

RT: 19.650 min Scan# 2819

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

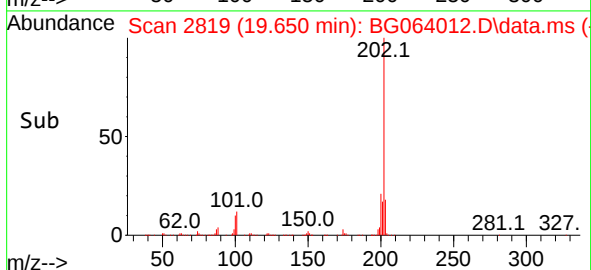
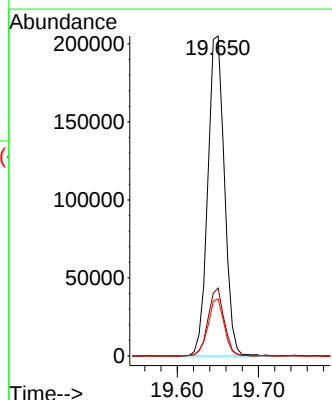
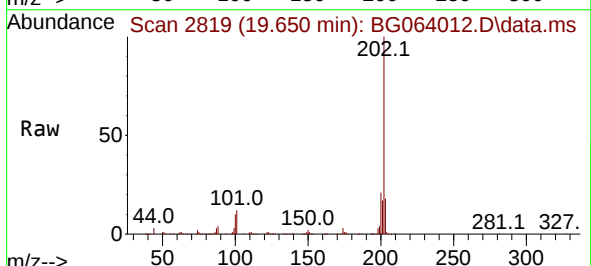
Tgt Ion:202 Resp: 290063

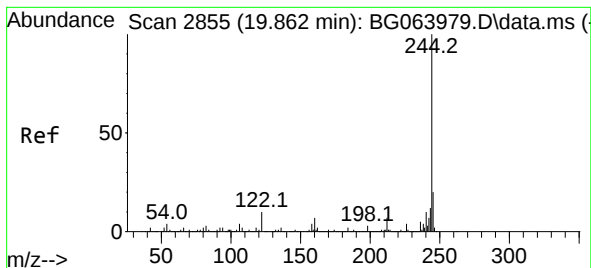
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.9 14.5 21.7





#79

Terphenyl-d14

Concen: 88.049 ng

RT: 19.862 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

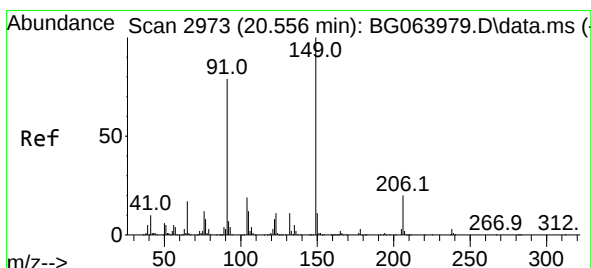
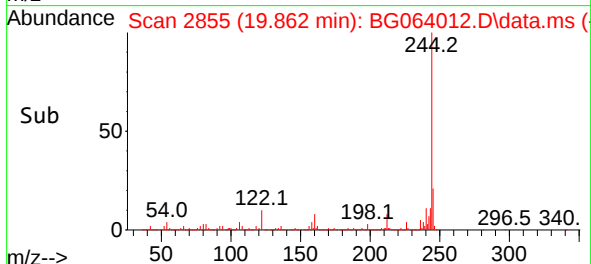
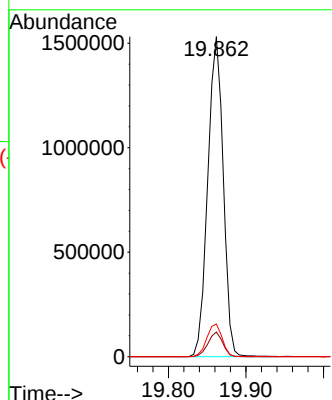
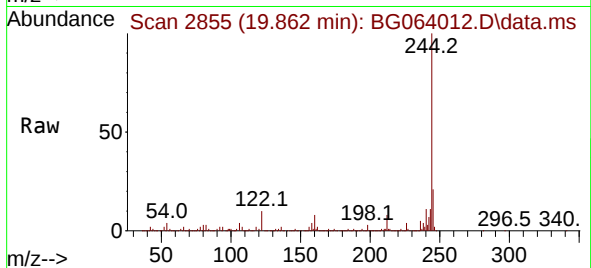
Tgt Ion:244 Resp: 2126747

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 10.2 7.7 11.5



#80

Butylbenzylphthalate

Concen: 12.379 ng

RT: 20.555 min Scan# 2973

Delta R.T. -0.001 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

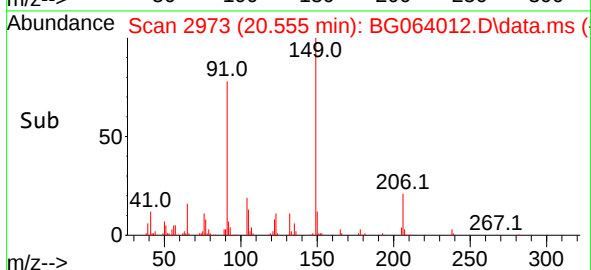
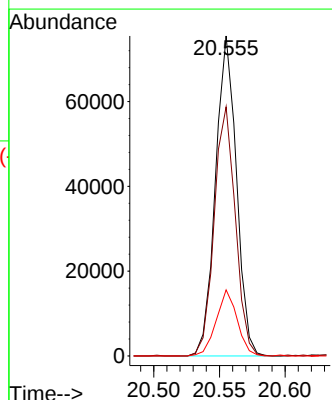
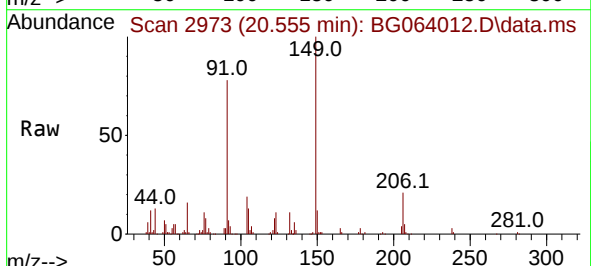
Tgt Ion:149 Resp: 83911

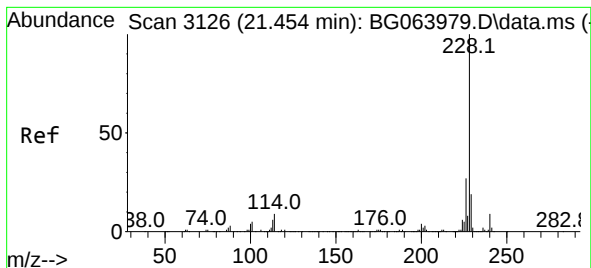
Ion Ratio Lower Upper

149 100

91 77.9 63.0 94.6

206 20.7 15.8 23.6





#81

Benzo(a)anthracene

Concen: 9.234 ng

RT: 21.454 min Scan# 3126

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

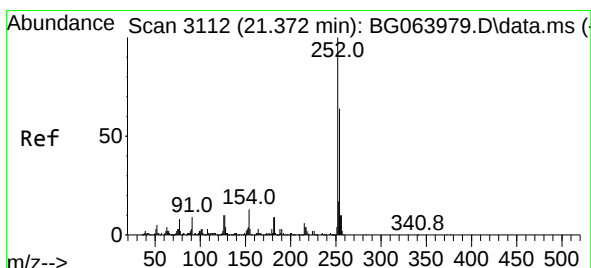
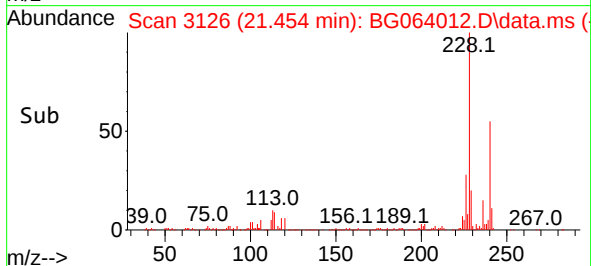
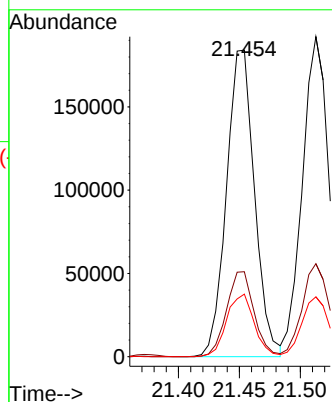
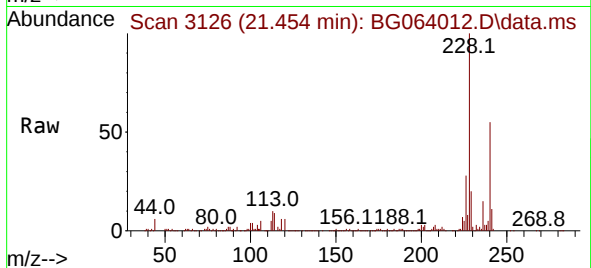
Tgt Ion:228 Resp: 295743

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.6

229 20.4 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 9.453 ng

RT: 21.372 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

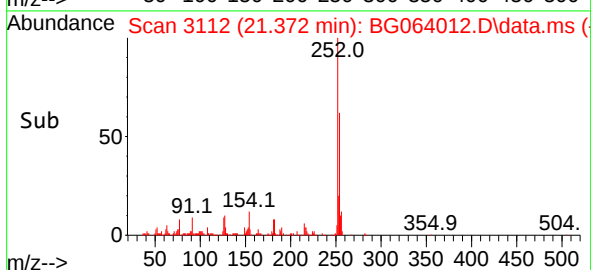
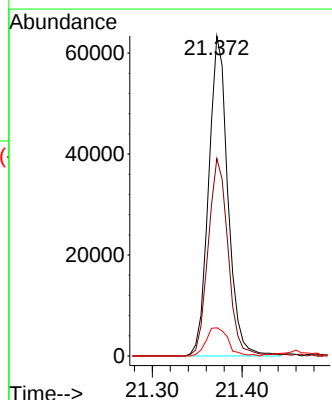
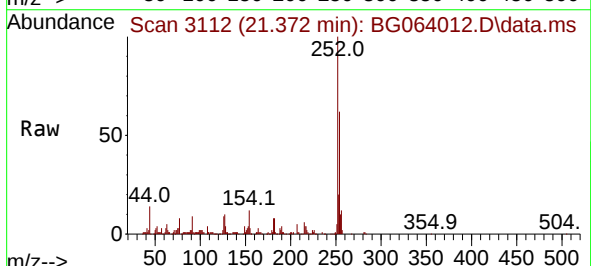
Tgt Ion:252 Resp: 94282

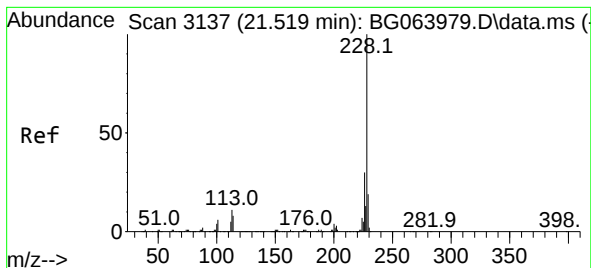
Ion Ratio Lower Upper

252 100

254 61.7 50.8 76.2

126 8.8 8.2 12.2





#83

Chrysene

Concen: 9.378 ng

RT: 21.513 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

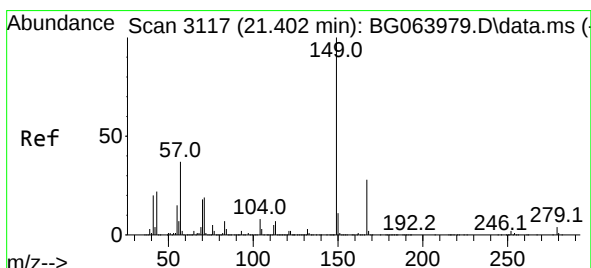
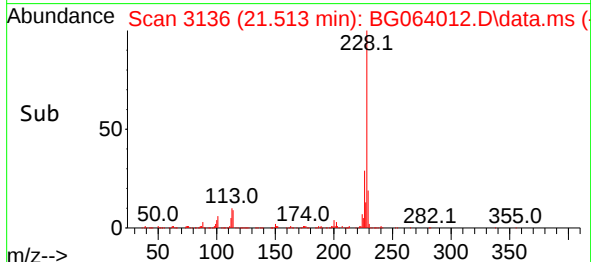
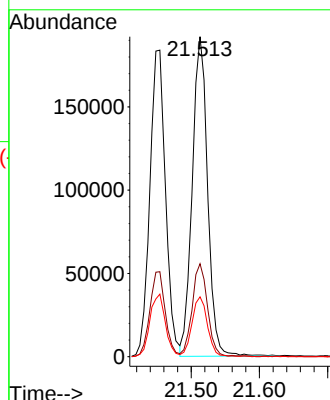
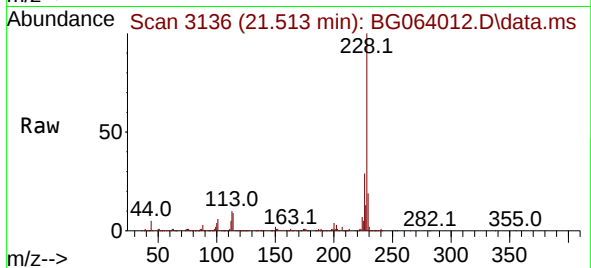
Tgt Ion:228 Resp: 298912

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

229 18.7 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.032 ng

RT: 21.395 min Scan# 3116

Delta R.T. -0.007 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

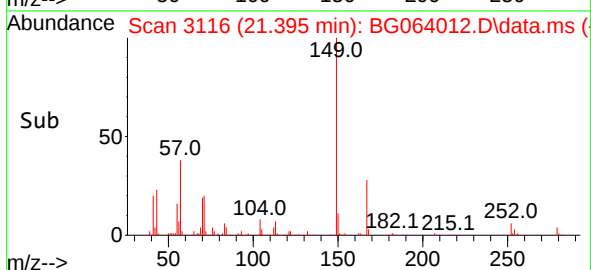
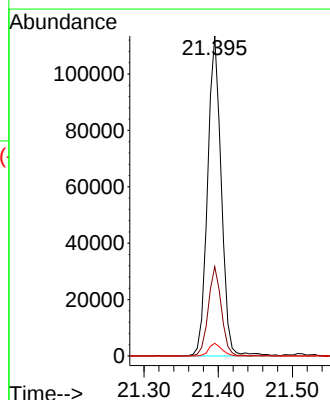
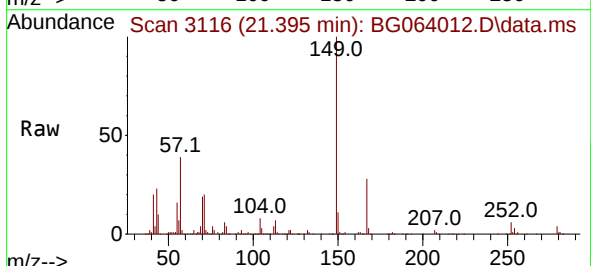
Tgt Ion:149 Resp: 145429

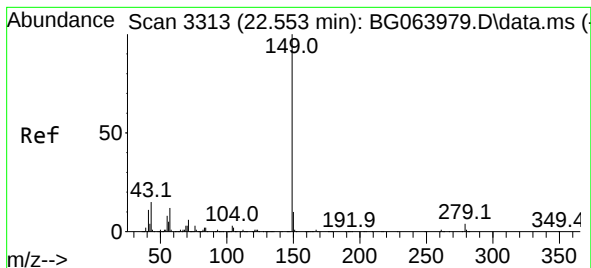
Ion Ratio Lower Upper

149 100

167 27.9 22.5 33.7

279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 13.716 ng

RT: 22.547 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

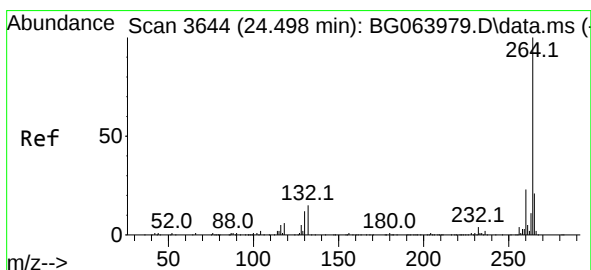
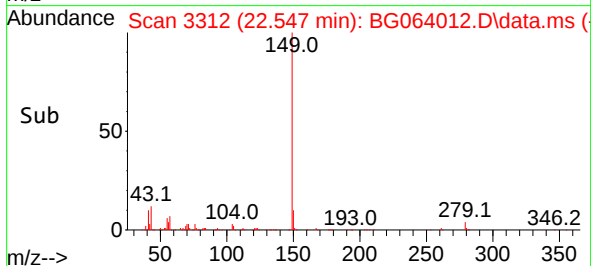
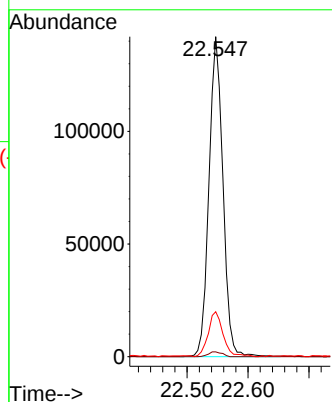
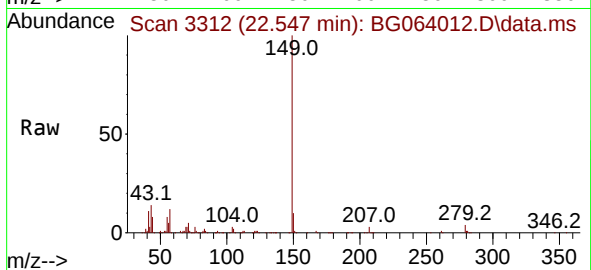
Tgt Ion:149 Resp: 226026

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 15.1 12.3 18.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.498 min Scan# 3644

Delta R.T. -0.000 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

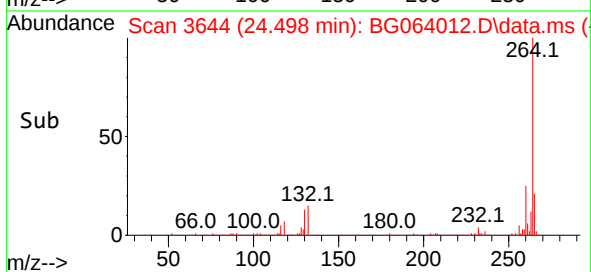
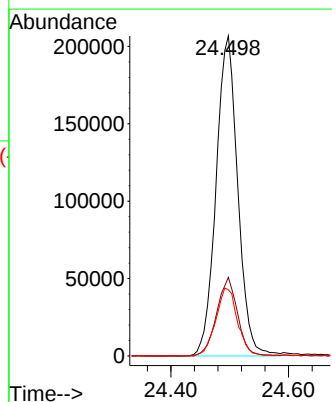
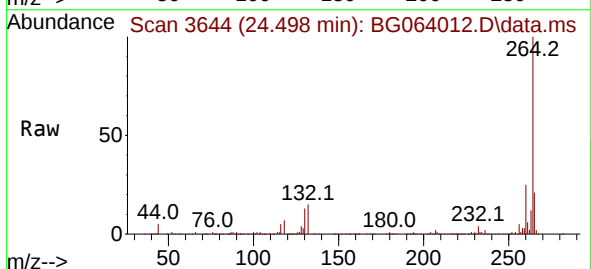
Tgt Ion:264 Resp: 529207

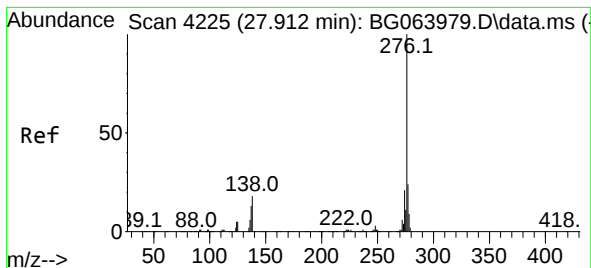
Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 20.6 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.281 ng

RT: 27.899 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

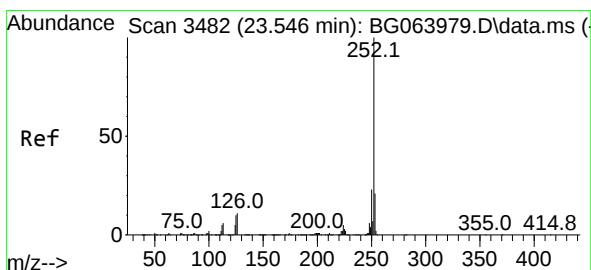
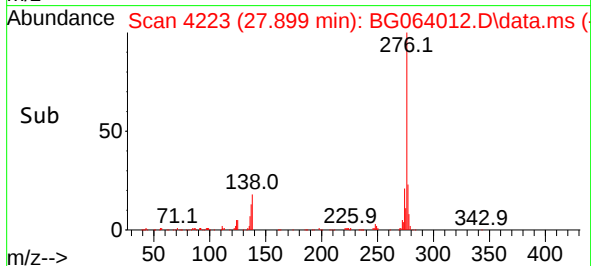
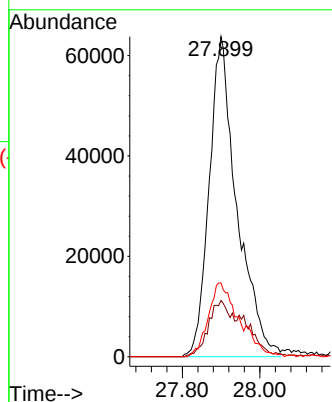
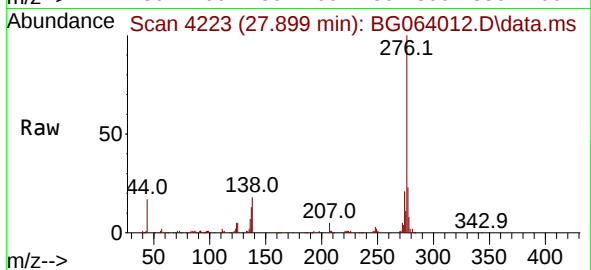
Tgt Ion:276 Resp: 316848

Ion Ratio Lower Upper

276 100

138 15.1 10.7 16.1

277 21.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 8.801 ng

RT: 23.540 min Scan# 3481

Delta R.T. -0.006 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

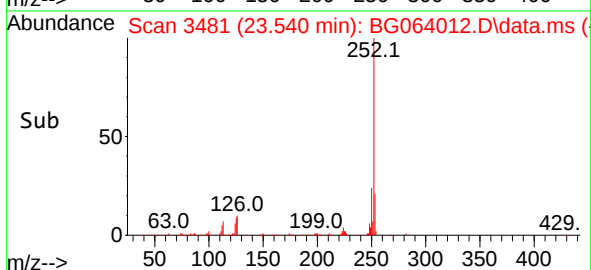
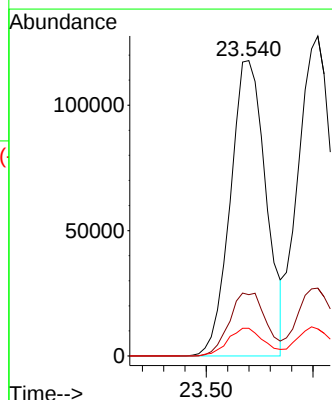
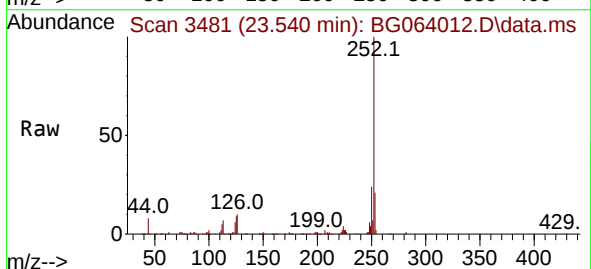
Tgt Ion:252 Resp: 274262

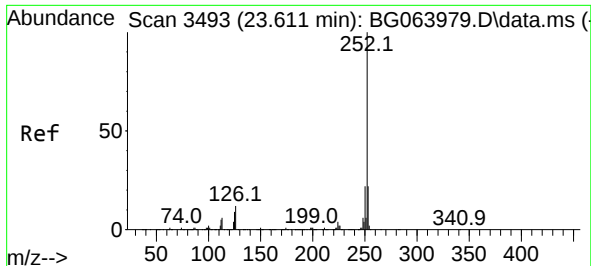
Ion Ratio Lower Upper

252 100

253 20.7 16.9 25.3

125 9.4 7.9 11.9

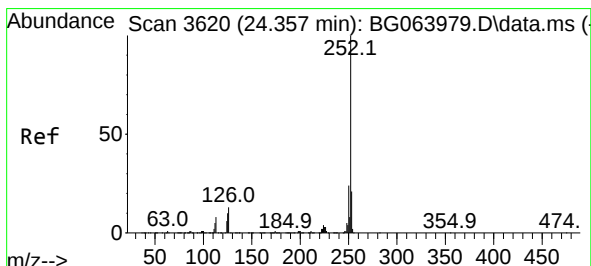
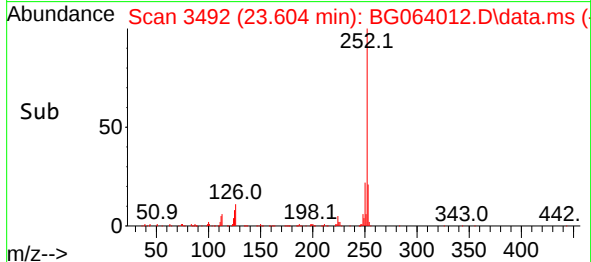
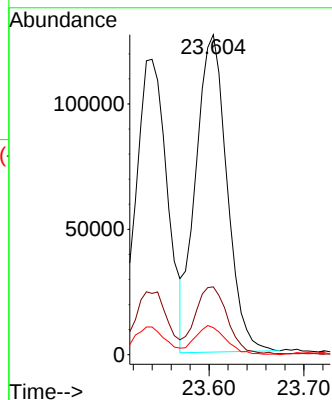
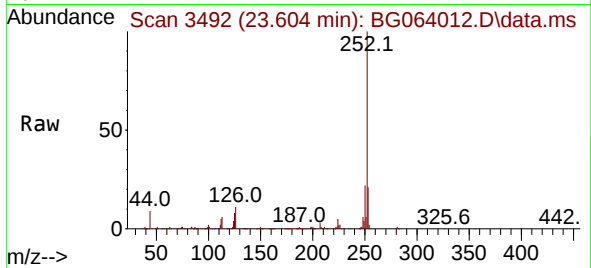




#89
Benzo(k)fluoranthene
Concen: 9.033 ng
RT: 23.604 min Scan# 34
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

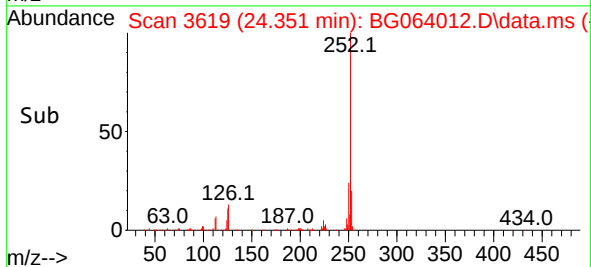
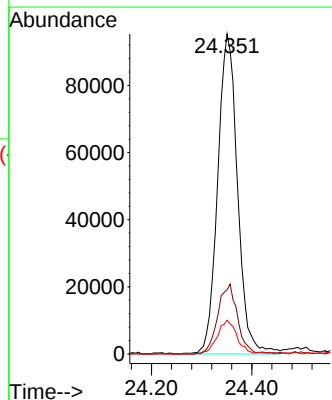
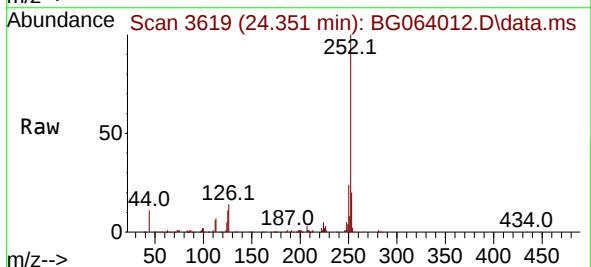
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

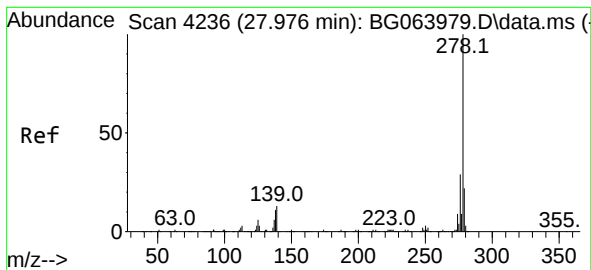
Tgt Ion:252 Resp: 289023
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 8.5 7.5 11.3



#90
Benzo(a)pyrene
Concen: 9.426 ng
RT: 24.351 min Scan# 3619
Delta R.T. -0.006 min
Lab File: BG064012.D
Acq: 6 Feb 2025 11:35

Tgt Ion:252 Resp: 262185
Ion Ratio Lower Upper
252 100
253 20.0 17.1 25.7
125 10.6 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 9.143 ng

RT: 27.958 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

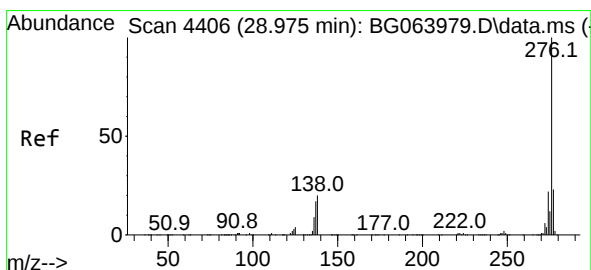
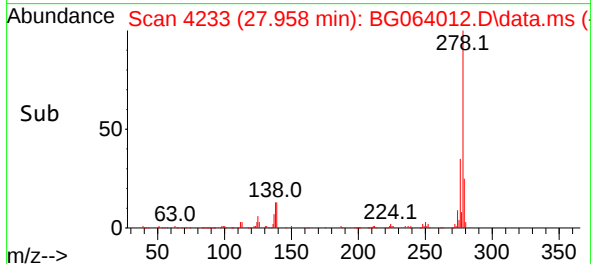
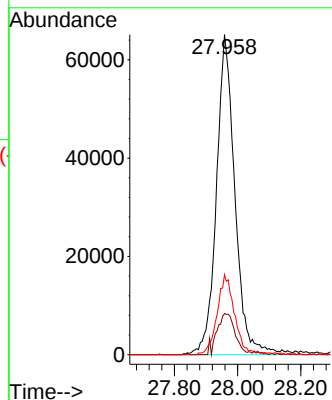
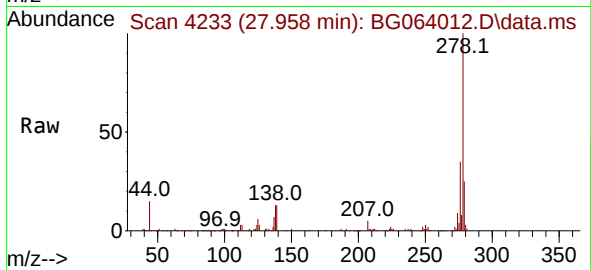
Tgt Ion:278 Resp: 263579

Ion Ratio Lower Upper

278 100

139 12.9 10.8 16.2

279 25.0 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 8.739 ng

RT: 28.957 min Scan# 4403

Delta R.T. -0.018 min

Lab File: BG064012.D

Acq: 6 Feb 2025 11:35

Tgt Ion:276 Resp: 254333

Ion Ratio Lower Upper

276 100

277 25.0 18.2 27.4

138 17.7 15.8 23.6

