

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
 Data File : BG064016.D
 Acq On : 6 Feb 2025 14:06
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 06 15:07:36 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	49017	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	208624	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	143960	20.000	ng	0.00
64) Phenanthrene-d10	17.236	188	314794	20.000	ng	# 0.00
76) Chrysene-d12	21.466	240	374106	20.000	ng	0.00
86) Perylene-d12	24.498	264	396507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	419274	137.142	ng	0.00
7) Phenol-d6	7.036	99	599039	142.781	ng	0.00
23) Nitrobenzene-d5	9.022	82	409762	119.370	ng	0.00
42) 2,4,6-Tribromophenol	15.979	330	234346	139.613	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	913976	97.273	ng	0.00
79) Terphenyl-d14	19.862	244	1688722	94.274	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.382	88	14845	10.224	ng	98
3) Pyridine	3.775	79	33899	8.646	ng	98
4) n-Nitrosodimethylamine	3.687	42	22060	9.785	ng	# 90
6) Aniline	7.201	93	46868	10.424	ng	94
8) 2-Chlorophenol	7.436	128	30873	9.910	ng	97
9) Benzaldehyde	7.013	77	31010	13.539	ng	94
10) Phenol	7.060	94	43832	9.925	ng	96
11) bis(2-Chloroethyl)ether	7.300	93	34541	9.713	ng	95
12) 1,3-Dichlorobenzene	7.765	146	33829	9.126	ng	94
13) 1,4-Dichlorobenzene	7.906	146	35033m	9.358	ng	
14) 1,2-Dichlorobenzene	8.223	146	34254	9.546	ng	99
15) Benzyl Alcohol	8.105	79	30591	9.755	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.393	45	75461	10.538	ng	98
17) 2-Methylphenol	8.305	107	27608	9.666	ng	88
18) Hexachloroethane	8.951	117	12152	9.863	ng	94
19) n-Nitroso-di-n-propyla...	8.669	70	28938	9.960	ng	# 94
20) 3+4-Methylphenols	8.628	107	37776	9.927	ng	96
22) Acetophenone	8.687	105	57832	10.089	ng	# 95
24) Nitrobenzene	9.063	77	41725	13.503	ng	94
25) Isophorone	9.586	82	79444	10.676	ng	98
26) 2-Nitrophenol	9.774	139	10302	19.345	ng	# 85
27) 2,4-Dimethylphenol	9.833	122	20244	9.457	ng	98
28) bis(2-Chloroethoxy)met...	10.074	93	44416	9.380	ng	99
29) 2,4-Dichlorophenol	10.303	162	27975	12.465	ng	96
30) 1,2,4-Trichlorobenzene	10.526	180	35116	9.985	ng	98
31) Naphthalene	10.708	128	109879	9.824	ng	99
32) Benzoic acid	9.903	122	7551m	12.771	ng	
33) 4-Chloroaniline	10.814	127	42378	9.889	ng	97
34) Hexachlorobutadiene	11.008	225	21812	9.740	ng	93
35) Caprolactam	11.543	113	9308	12.879	ng	# 86
36) 4-Chloro-3-methylphenol	11.930	107	33025	9.639	ng	91
37) 2-Methylnaphthalene	12.318	142	75067	9.631	ng	94
38) 1-Methylnaphthalene	12.536	142	72328m	9.378	ng	
40) 1,2,4,5-Tetrachloroben...	12.688	216	41774	9.840	ng	98
41) Hexachlorocyclopentadiene	12.671	237	11703	10.892	ng	90
43) 2,4,6-Trichlorophenol	12.923	196	20855m	12.402	ng	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
 Data File : BG064016.D
 Acq On : 6 Feb 2025 14:06
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 06 15:07:36 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

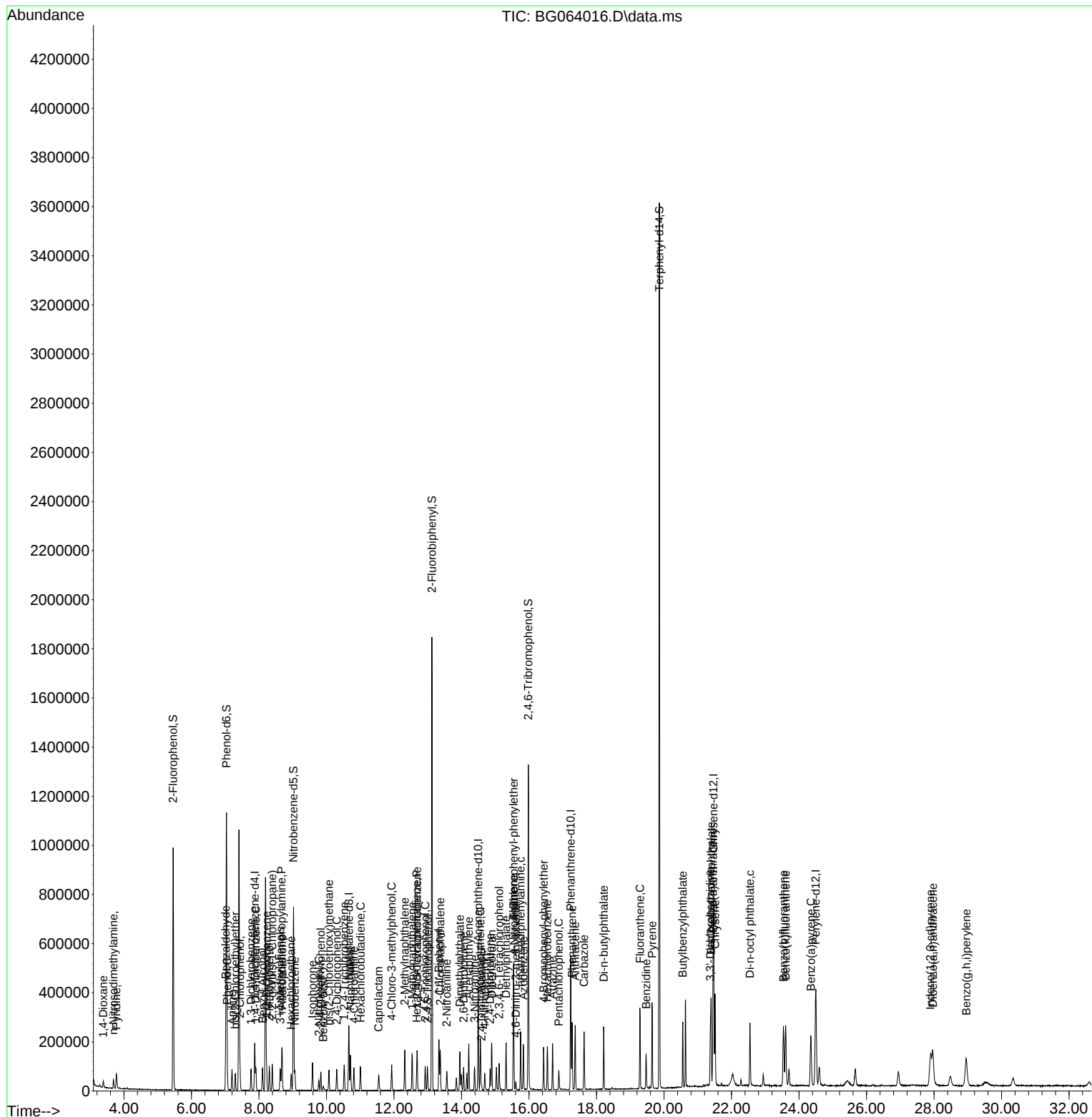
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.994	196	24651	12.001	ng	98
46) 1,1'-Biphenyl	13.329	154	107656	9.822	ng	98
47) 2-Chloronaphthalene	13.370	162	76510	9.577	ng	96
48) 2-Nitroaniline	13.564	65	19789	14.244	ng	93
49) Acenaphthylene	14.216	152	126254	10.174	ng	99
50) Dimethylphthalate	13.951	163	93357	9.781	ng	98
51) 2,6-Dinitrotoluene	14.063	165	15514	13.224	ng	98
52) Acenaphthene	14.557	154	78572	9.440	ng	98
53) 3-Nitroaniline	14.386	138	17698	12.769	ng	# 90
54) 2,4-Dinitrophenol	14.592	184	3304	13.715	ng	# 86
55) Dibenzofuran	14.892	168	123896	9.167	ng	98
56) 4-Nitrophenol	14.686	139	13071	14.768	ng	92
57) 2,4-Dinitrotoluene	14.845	165	20185	13.714	ng	# 89
58) Fluorene	15.544	166	100038	9.576	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	22173	12.505	ng	# 97
60) Diethylphthalate	15.320	149	97603	9.644	ng	99
61) 4-Chlorophenyl-phenyle...	15.544	204	52557	10.027	ng	98
62) 4-Nitroaniline	15.550	138	19485	11.856	ng	91
63) Azobenzene	15.832	77	110097	9.211	ng	99
65) 4,6-Dinitro-2-methylph...	15.608	198	6977	15.988	ng	97
66) n-Nitrosodiphenylamine	15.749	169	86430	9.903	ng	99
67) 4-Bromophenyl-phenylether	16.431	248	32230	10.286	ng	92
68) Hexachlorobenzene	16.543	284	37060	10.060	ng	# 89
69) Atrazine	16.695	200	30552	10.519	ng	96
70) Pentachlorophenol	16.883	266	14538	14.074	ng	91
71) Phenanthrene	17.277	178	166027	10.042	ng	100
72) Anthracene	17.365	178	163329	9.872	ng	98
73) Carbazole	17.630	167	153803	9.931	ng	98
74) Di-n-butylphthalate	18.211	149	167025	10.346	ng	98
75) Fluoranthene	19.286	202	197597	9.815	ng	99
77) Benzidine	19.469	184	77164	9.686	ng	95
78) Pyrene	19.645	202	216416	9.371	ng	97
80) Butylbenzylphthalate	20.556	149	70699	13.308	ng	# 96
81) Benzo(a)anthracene	21.449	228	238092	10.024	ng	99
82) 3,3'-Dichlorobenzidine	21.372	252	81123	10.967	ng	99
83) Chrysene	21.513	228	228803	9.680	ng	98
84) Bis(2-ethylhexyl)phtha...	21.396	149	119690	12.862	ng	96
85) Di-n-octyl phthalate	22.547	149	192511	14.722	ng	100
87) Indeno(1,2,3-cd)pyrene	27.894	276	256951	10.045	ng	98
88) Benzo(b)fluoranthene	23.540	252	223090	9.555	ng	99
89) Benzo(k)fluoranthene	23.605	252	234835	9.795	ng	96
90) Benzo(a)pyrene	24.351	252	211012	10.125	ng	99
91) Dibenzo(a,h)anthracene	27.964	278	213564	9.887	ng	99
92) Benzo(g,h,i)perylene	28.957	276	204583m	9.382	ng	

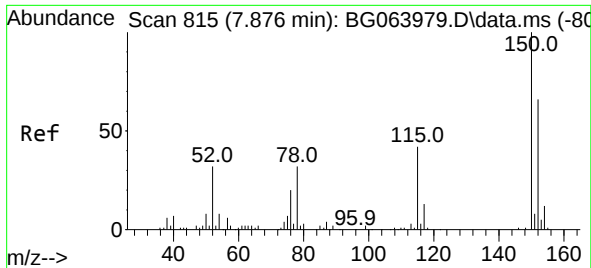
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064016.D
Acq On : 6 Feb 2025 14:06
Operator : RC/JU
Sample : Q1168-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-OT1-2025

Quant Time: Feb 06 15:07:36 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

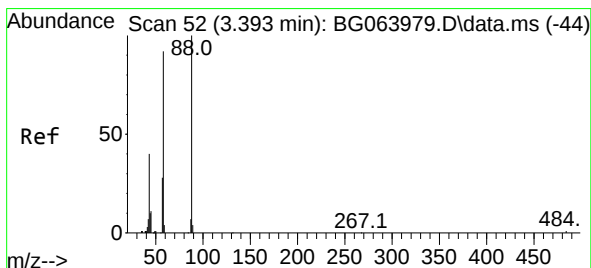
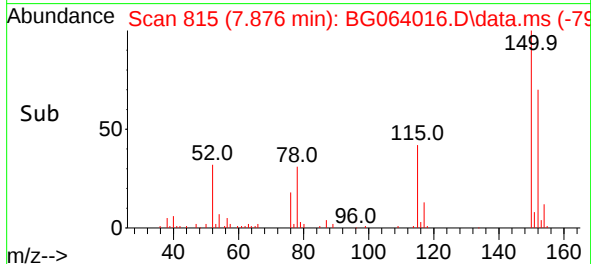
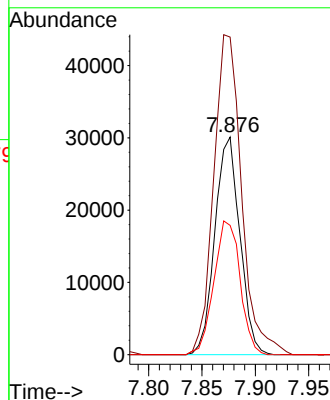
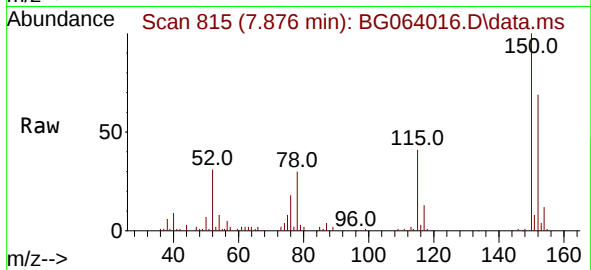




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.876 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: BG064016.D
 Acq: 6 Feb 2025 14:06

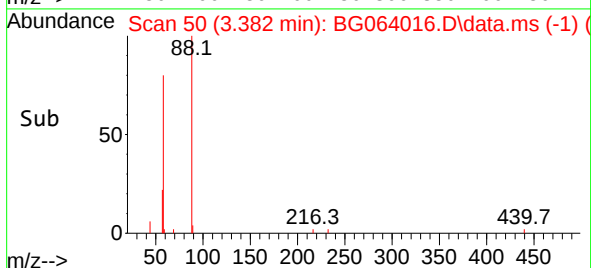
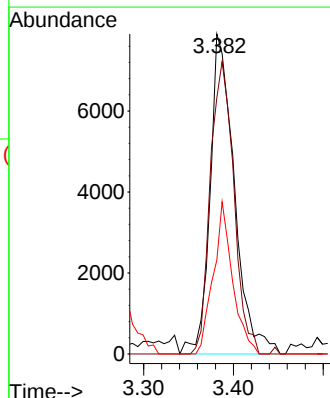
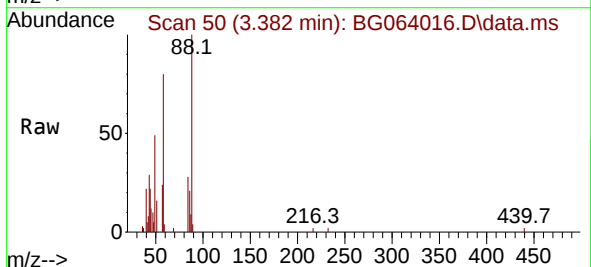
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

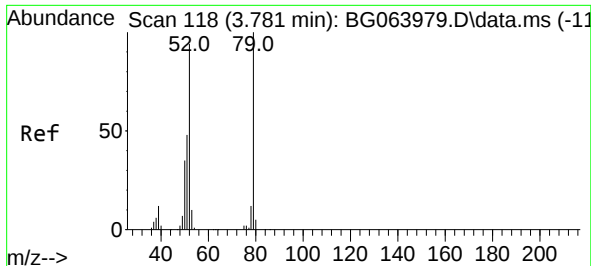
Tgt Ion:152 Resp: 49017
 Ion Ratio Lower Upper
 152 100
 150 145.9 121.0 181.6
 115 59.4 50.4 75.6



#2
 1,4-Dioxane
 Concen: 10.224 ng
 RT: 3.382 min Scan# 50
 Delta R.T. -0.012 min
 Lab File: BG064016.D
 Acq: 6 Feb 2025 14:06

Tgt Ion: 88 Resp: 14845
 Ion Ratio Lower Upper
 88 100
 58 88.0 71.8 107.8
 43 37.9 31.2 46.8





#3

Pyridine

Concen: 8.646 ng

RT: 3.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG064016.D

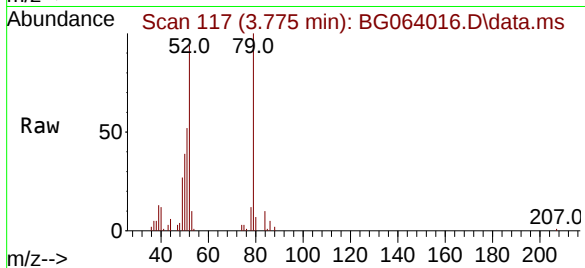
Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025



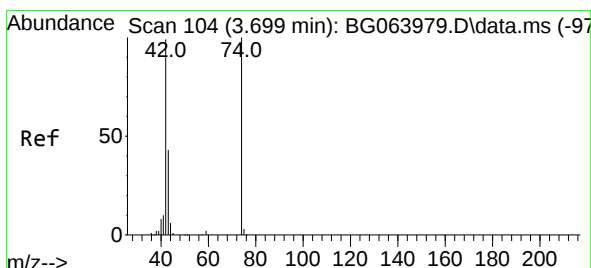
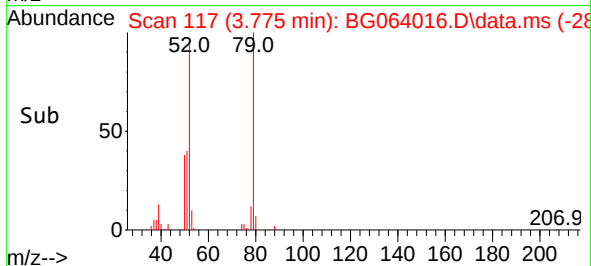
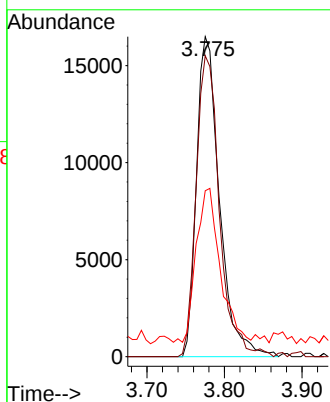
Tgt Ion: 79 Resp: 33899

Ion Ratio Lower Upper

79 100

52 94.0 75.1 112.7

51 51.8 38.9 58.3



#4

n-Nitrosodimethylamine

Concen: 9.785 ng

RT: 3.687 min Scan# 102

Delta R.T. -0.012 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

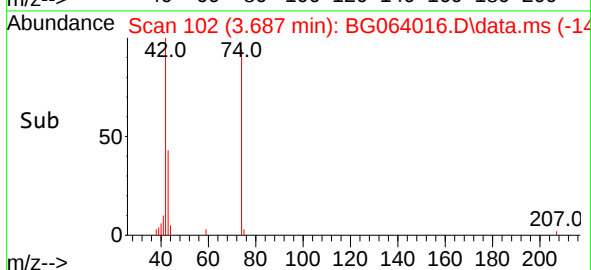
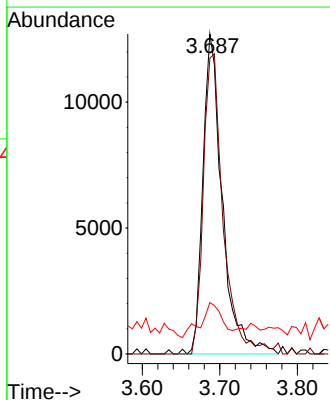
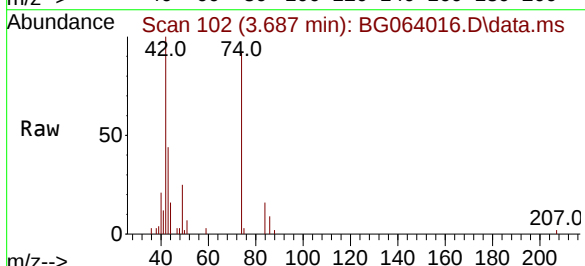
Tgt Ion: 42 Resp: 22060

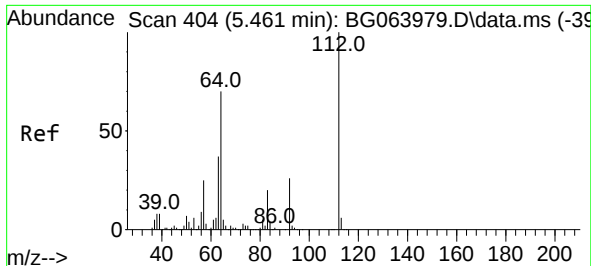
Ion Ratio Lower Upper

42 100

74 92.5 80.8 121.2

44 16.1 5.8 8.6#

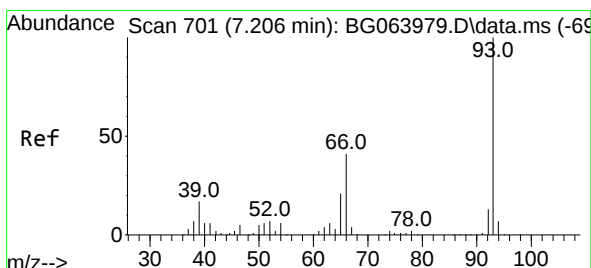
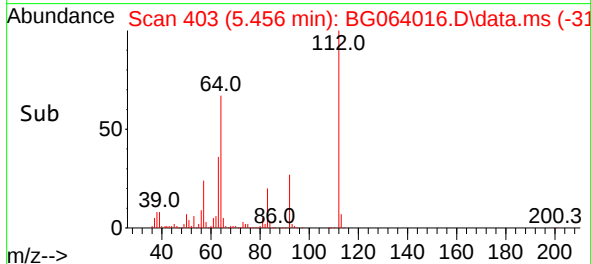
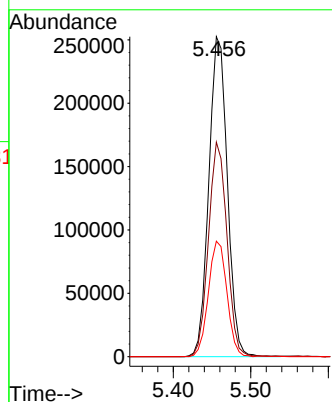
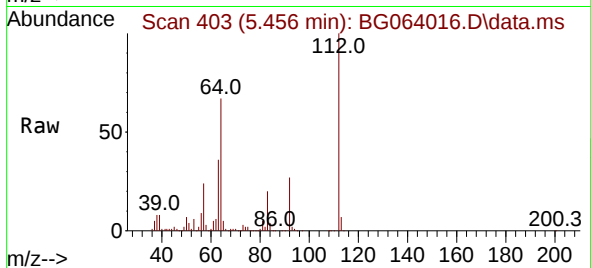




#5
2-Fluorophenol
Concen: 137.142 ng
RT: 5.456 min Scan# 404
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

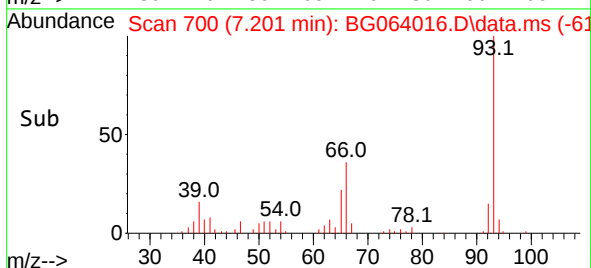
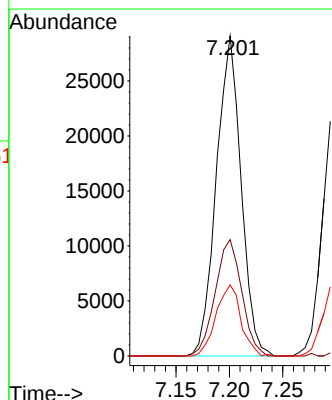
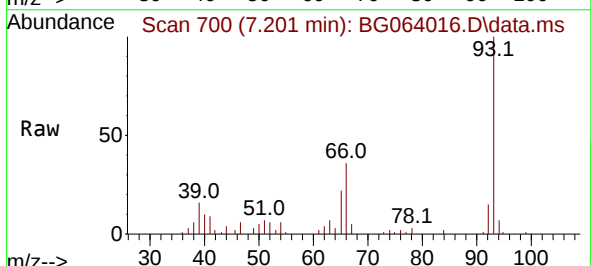
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

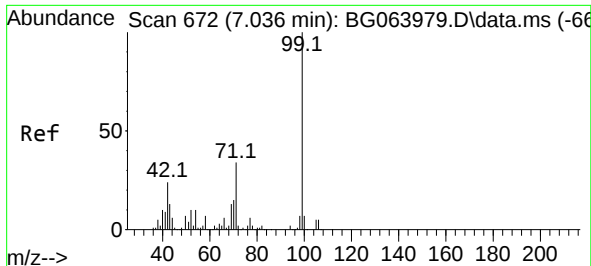
Tgt Ion:112 Resp: 419274
Ion Ratio Lower Upper
112 100
64 67.0 55.8 83.8
63 36.1 29.3 43.9



#6
Aniline
Concen: 10.424 ng
RT: 7.201 min Scan# 700
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion: 93 Resp: 46868
Ion Ratio Lower Upper
93 100
66 36.4 32.5 48.7
65 22.2 16.6 25.0

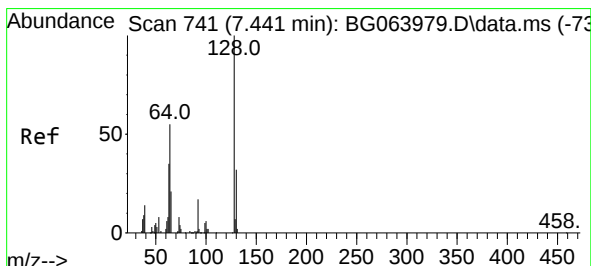
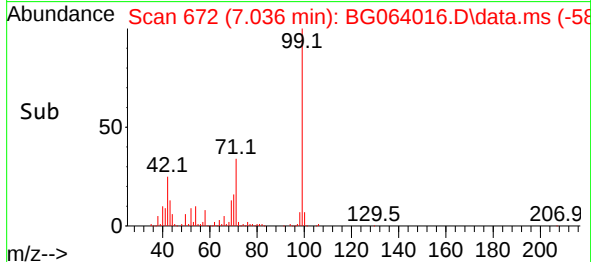
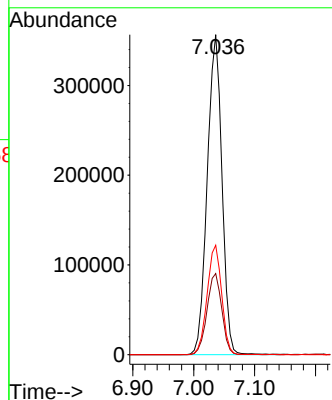
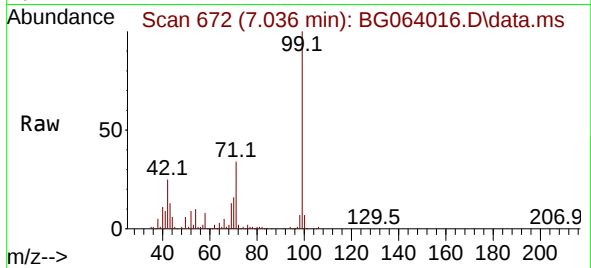




#7
Phenol-d6
Concen: 142.781 ng
RT: 7.036 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

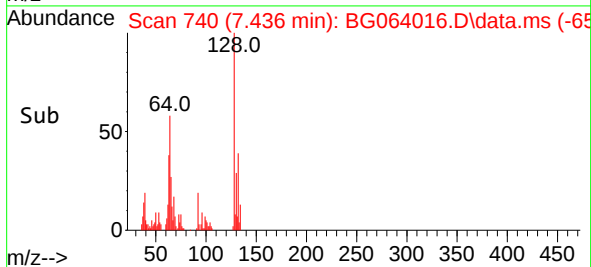
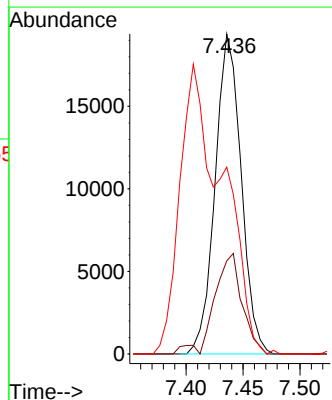
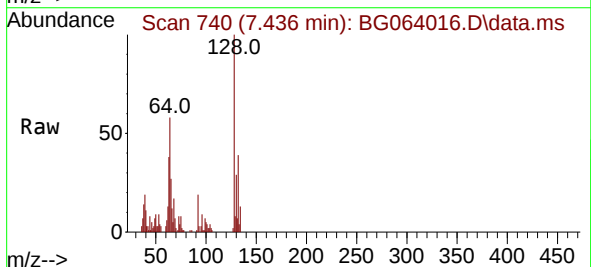
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

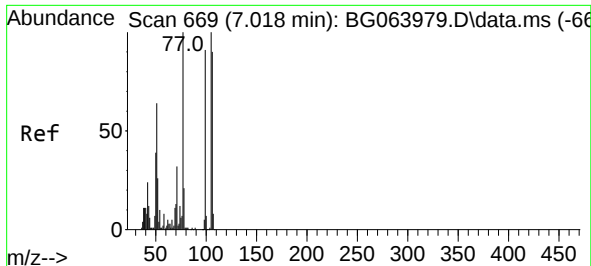
Tgt Ion: 99 Resp: 599039
Ion Ratio Lower Upper
99 100
42 25.4 18.9 28.3
71 34.2 27.0 40.6



#8
2-Chlorophenol
Concen: 9.910 ng
RT: 7.436 min Scan# 740
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:128 Resp: 30873
Ion Ratio Lower Upper
128 100
130 29.1 11.9 51.9
64 58.4 36.8 76.8

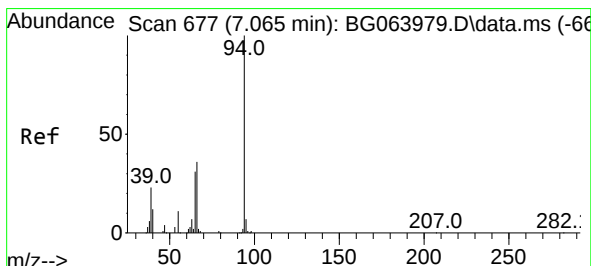
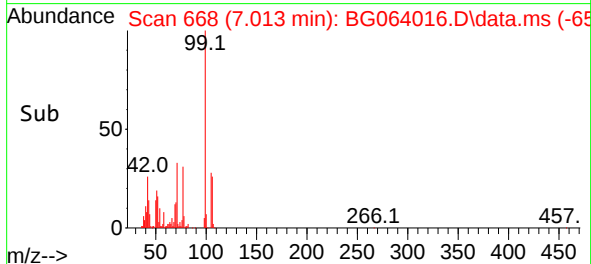
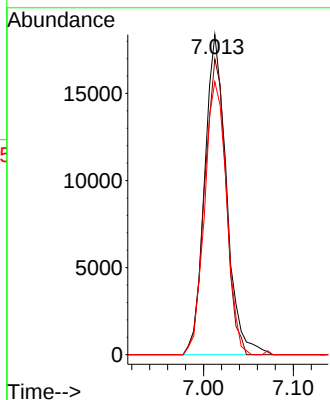
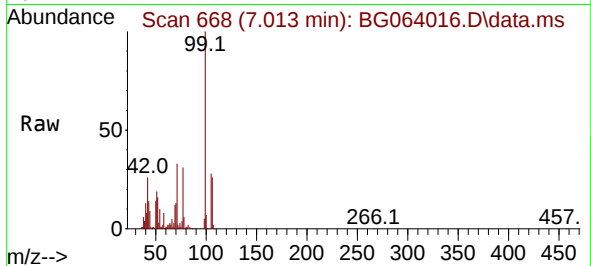




#9
Benzaldehyde
Concen: 13.539 ng
RT: 7.013 min Scan# 609
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

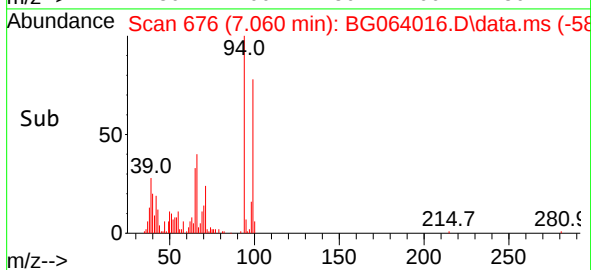
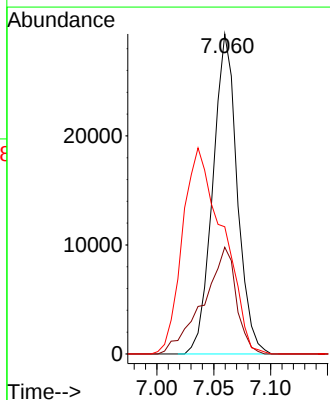
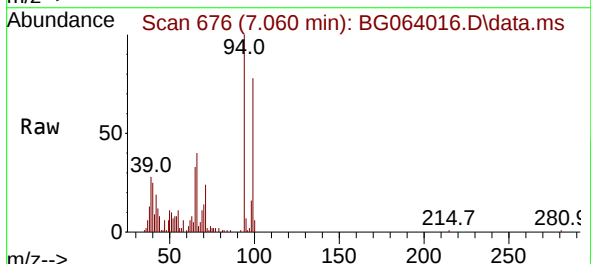
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

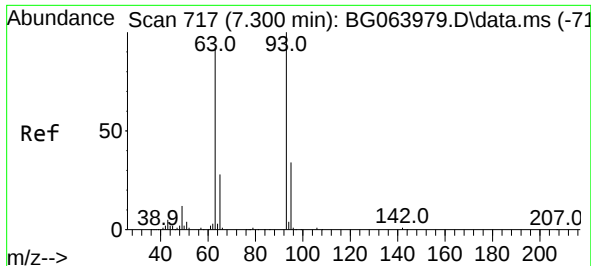
Tgt Ion: 77 Resp: 31010
Ion Ratio Lower Upper
77 100
105 92.4 79.8 119.8
106 85.3 69.9 109.9



#10
Phenol
Concen: 9.925 ng
RT: 7.060 min Scan# 676
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion: 94 Resp: 43832
Ion Ratio Lower Upper
94 100
65 33.3 11.4 51.4
66 39.8 16.7 56.7

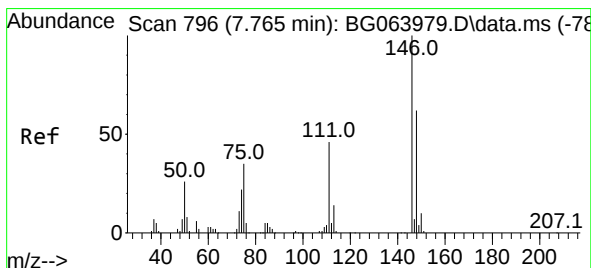
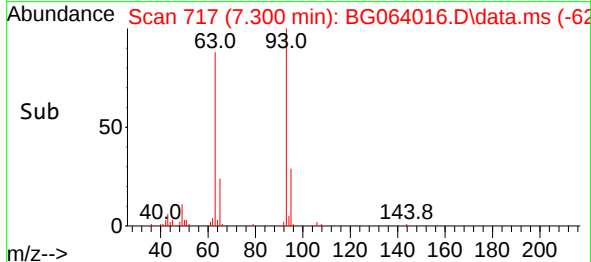
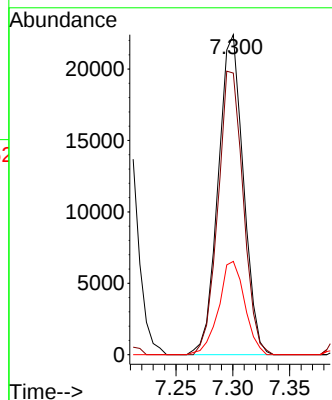
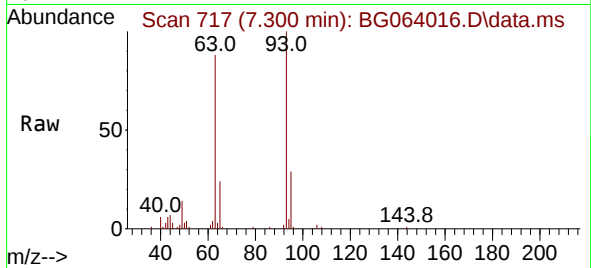




#11
bis(2-Chloroethyl)ether
Concen: 9.713 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

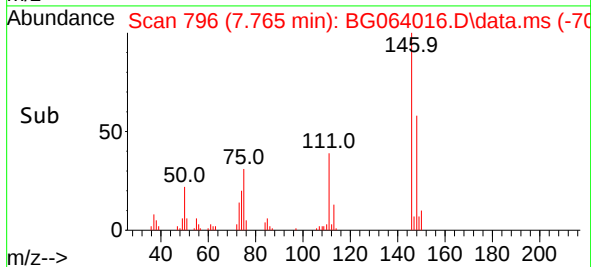
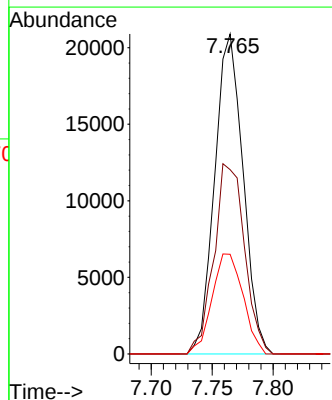
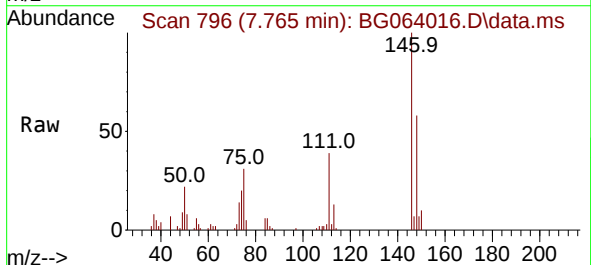
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

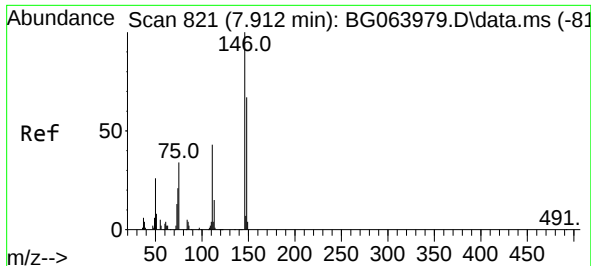
Tgt Ion: 93 Resp: 34541
Ion Ratio Lower Upper
93 100
63 88.0 71.2 111.2
95 29.1 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 9.126 ng
RT: 7.765 min Scan# 796
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:146 Resp: 33829
Ion Ratio Lower Upper
146 100
148 57.6 49.6 74.4
75 31.1 27.8 41.8

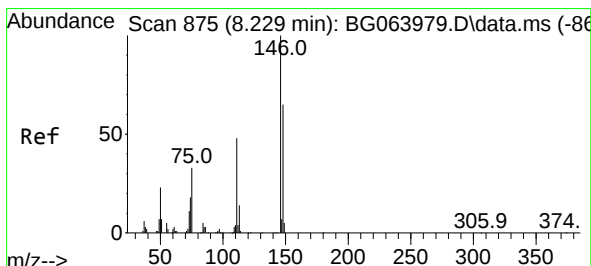
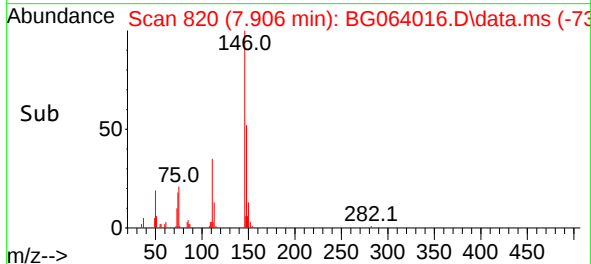
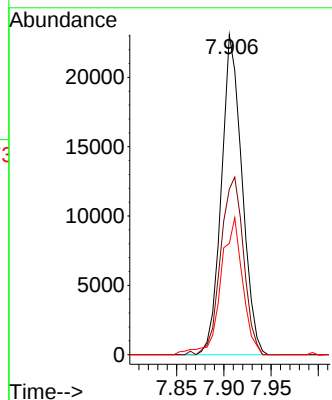
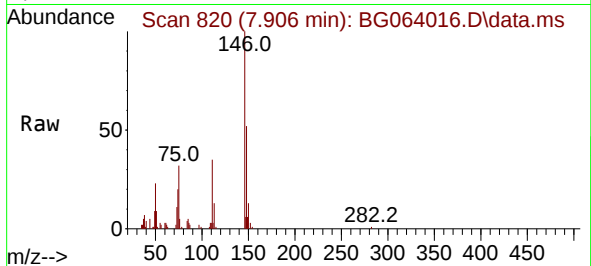




#13
1,4-Dichlorobenzene
Concen: 9.358 ng m
RT: 7.906 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

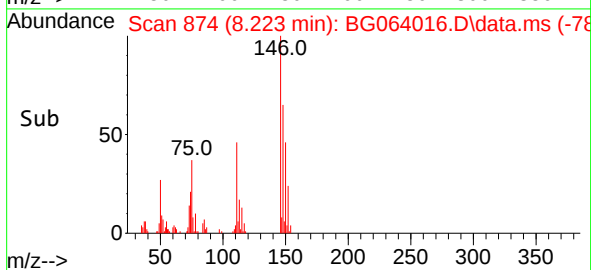
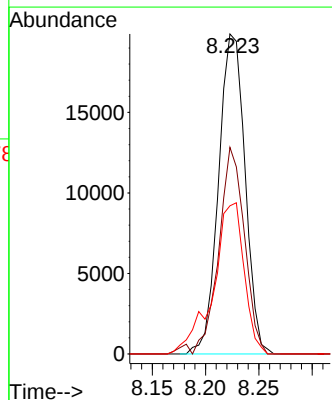
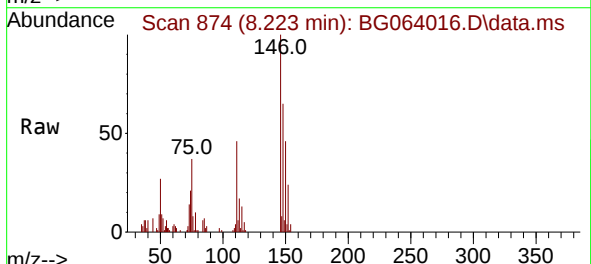
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

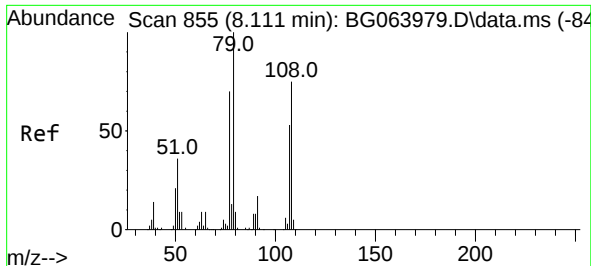
Tgt Ion:146 Resp: 35033
Ion Ratio Lower Upper
146 100
148 51.8 53.3 79.9#
111 34.8 34.8 52.2#



#14
1,2-Dichlorobenzene
Concen: 9.546 ng
RT: 8.223 min Scan# 874
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:146 Resp: 34254
Ion Ratio Lower Upper
146 100
148 64.5 52.0 78.0
111 46.3 38.2 57.2

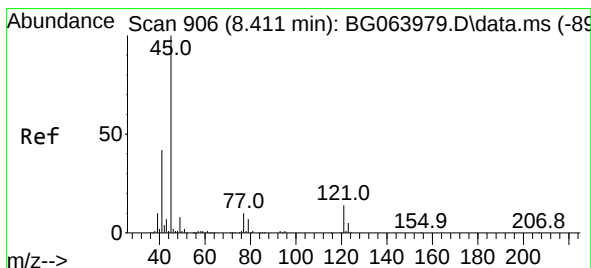
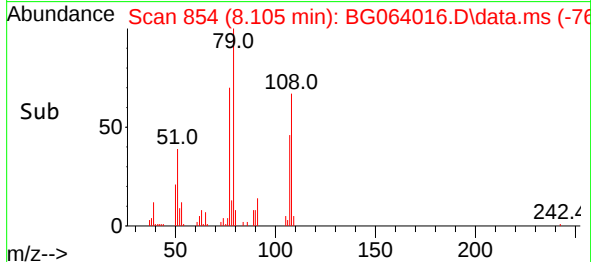
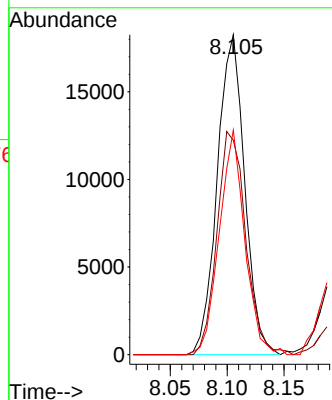
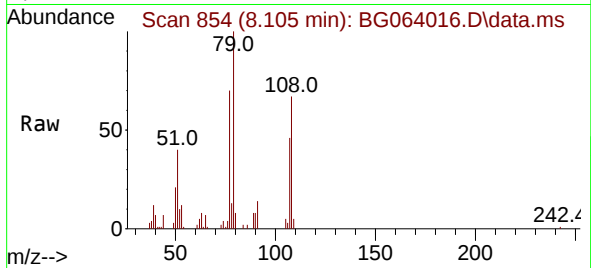




#15
Benzyl Alcohol
Concen: 9.755 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

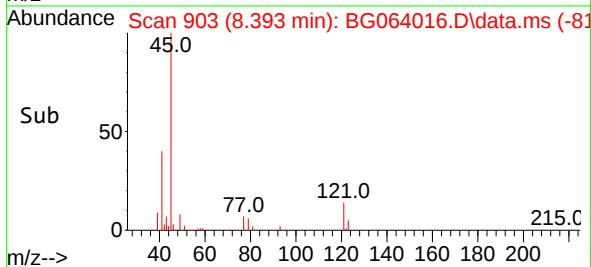
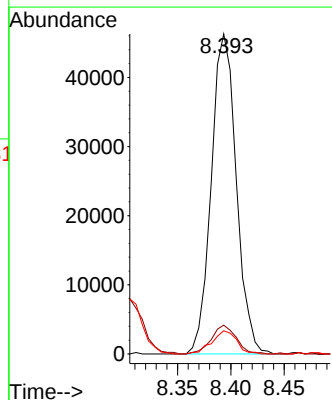
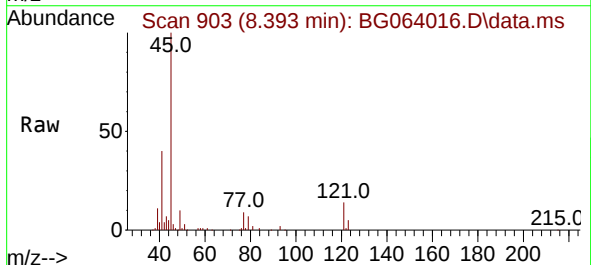
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

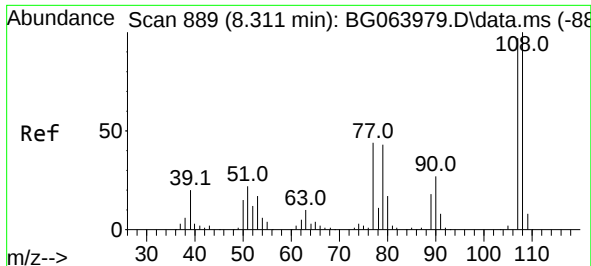
Tgt Ion: 79 Resp: 30591
Ion Ratio Lower Upper
79 100
108 67.0 60.3 90.5
77 70.2 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.538 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.018 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion: 45 Resp: 75461
Ion Ratio Lower Upper
45 100
77 9.0 0.0 29.8
79 7.3 0.0 27.7

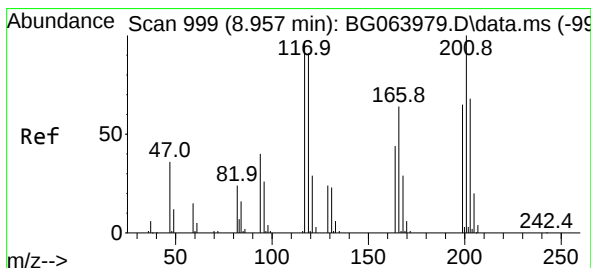
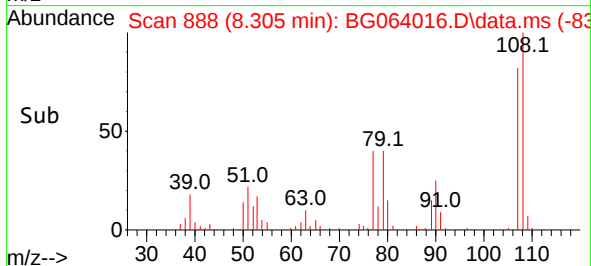
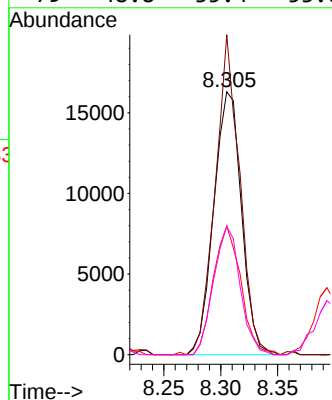
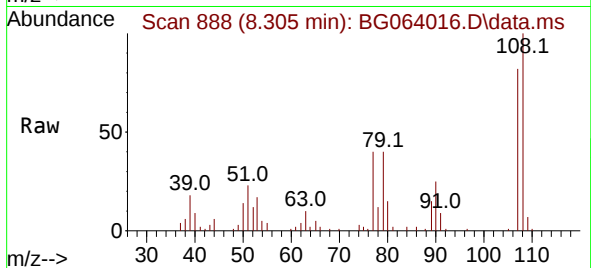




#17
2-Methylphenol
Concen: 9.666 ng
RT: 8.305 min Scan# 889
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

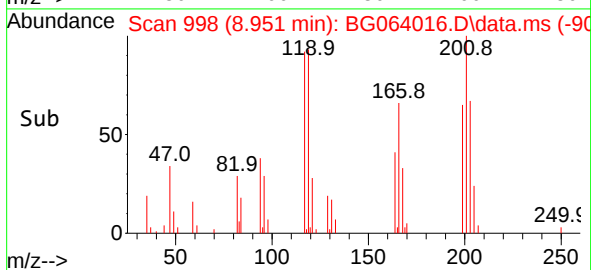
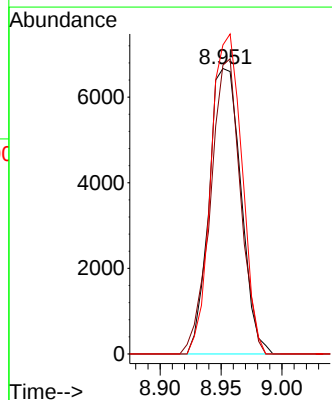
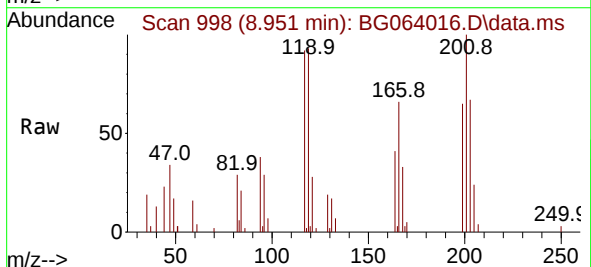
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

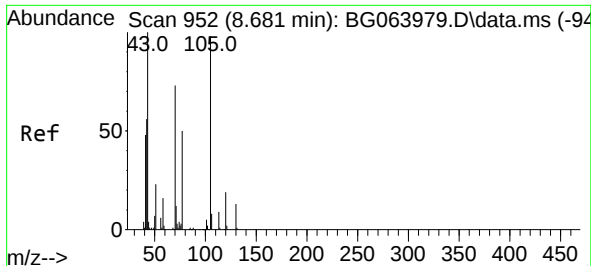
Tgt Ion:	107	Resp:	27608
Ion	Ratio	Lower	Upper
107	100		
108	121.7	82.9	124.3
77	48.9	36.4	54.6
79	48.8	35.4	53.0



#18
Hexachloroethane
Concen: 9.863 ng
RT: 8.951 min Scan# 998
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:	117	Resp:	12152
Ion	Ratio	Lower	Upper
117	100		
119	101.2	75.4	113.0
201	108.3	82.4	123.6

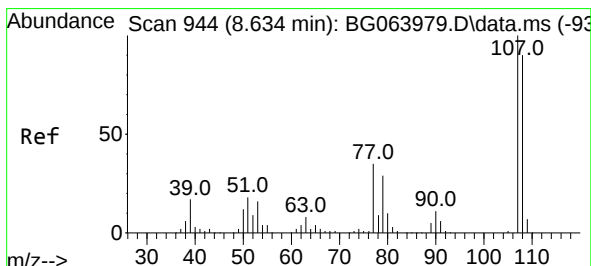
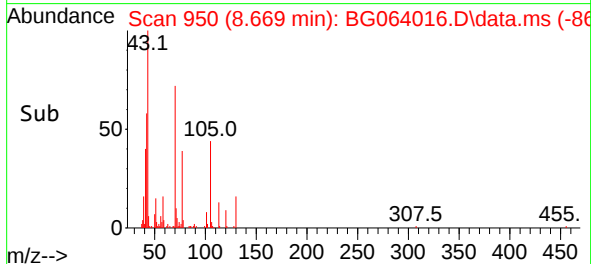
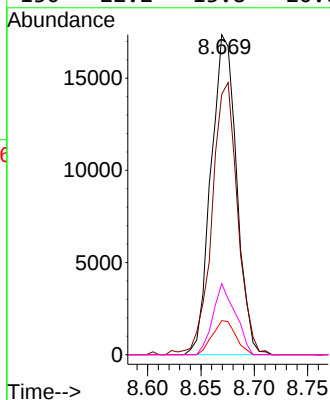
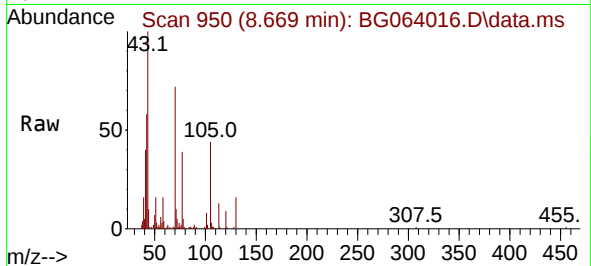




#19
n-Nitroso-di-n-propylamine
Concen: 9.960 ng
RT: 8.669 min Scan# 91
Delta R.T. -0.012 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

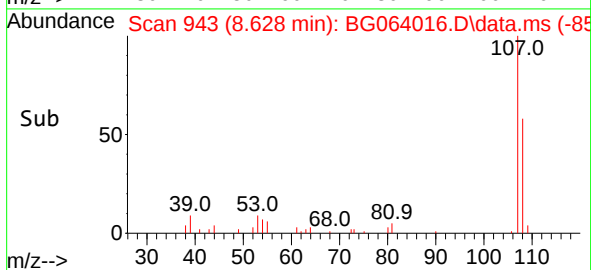
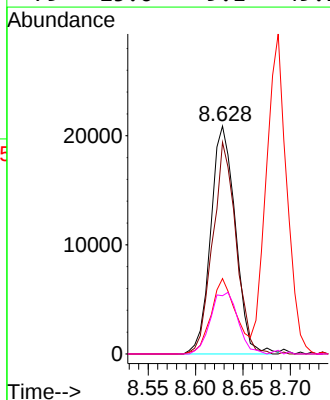
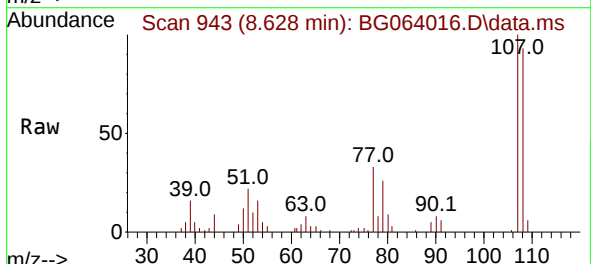
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

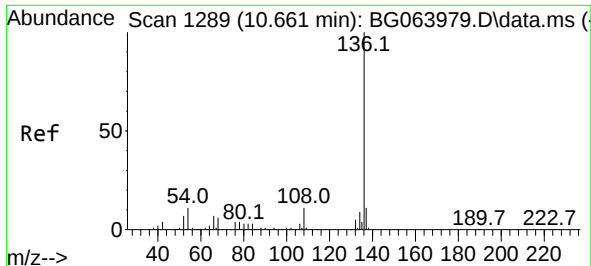
Tgt Ion: 70 Resp: 28938
Ion Ratio Lower Upper
70 100
42 81.4 62.2 93.4
101 10.6 5.6 8.4#
130 22.2 13.8 20.6#



#20
3+4-Methylphenols
Concen: 9.927 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion: 107 Resp: 37776
Ion Ratio Lower Upper
107 100
108 93.0 70.0 110.0
77 33.1 15.2 55.2
79 25.6 9.1 49.1

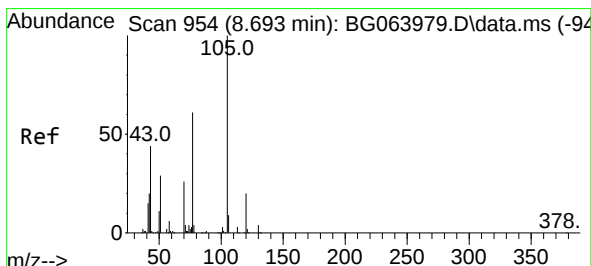
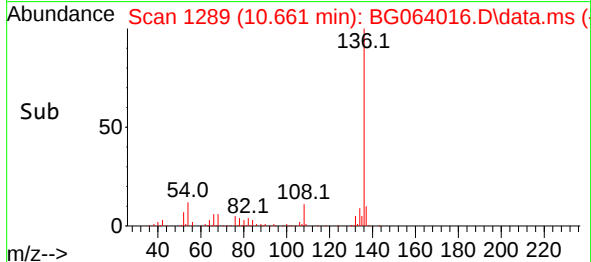
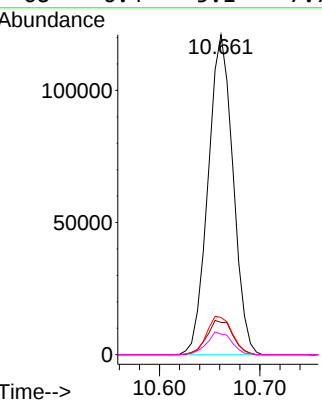
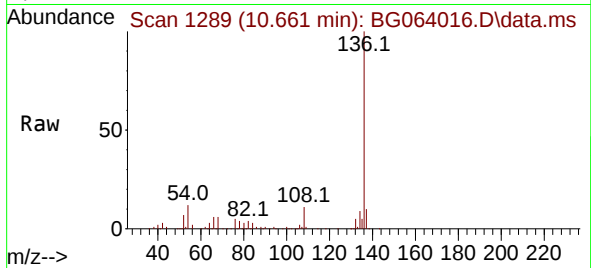




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.661 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

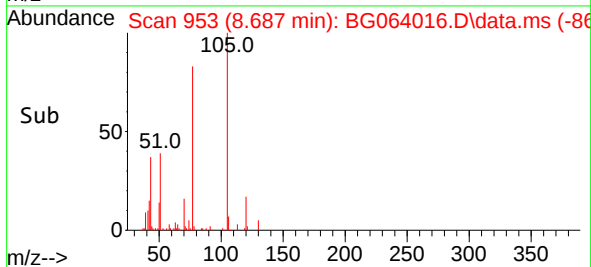
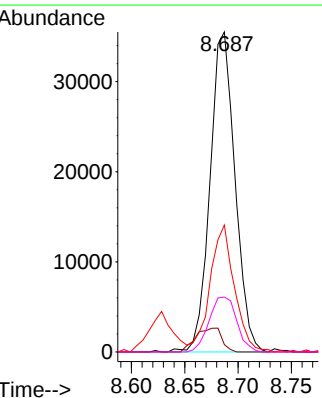
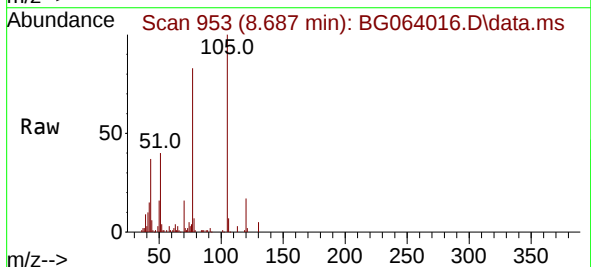
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2025

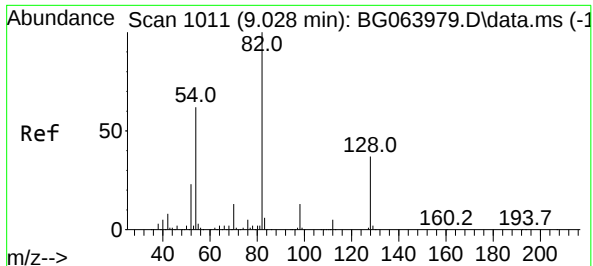
Tgt Ion:	136	Resp:	208624
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.9	13.3
54	11.7	9.2	13.8
68	6.4	5.1	7.7



#22
Acetophenone
Concen: 10.089 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:	105	Resp:	57832
Ion Ratio	Lower	Upper	
105	100		
71	2.3	3.1	4.7#
51	39.7	29.9	44.9
120	17.1	16.0	24.0





#23

Nitrobenzene-d5

Concen: 119.370 ng

RT: 9.022 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

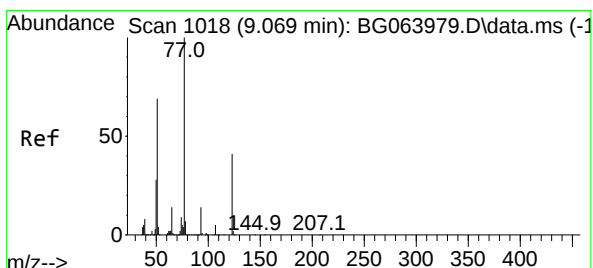
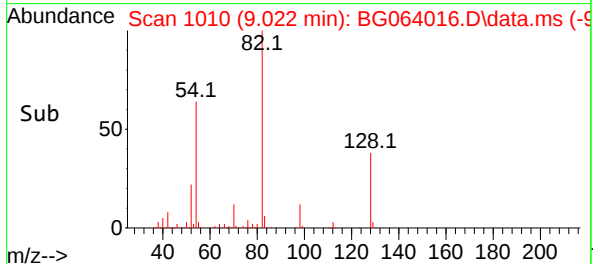
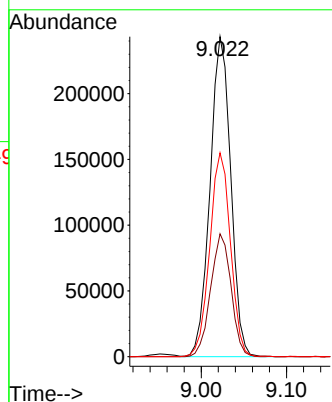
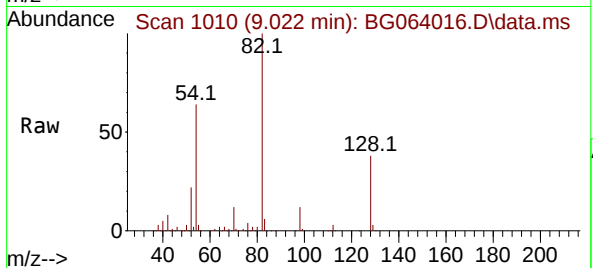
Tgt Ion: 82 Resp: 409762

Ion Ratio Lower Upper

82 100

128 38.4 29.4 44.2

54 63.7 49.9 74.9



#24

Nitrobenzene

Concen: 13.503 ng

RT: 9.063 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

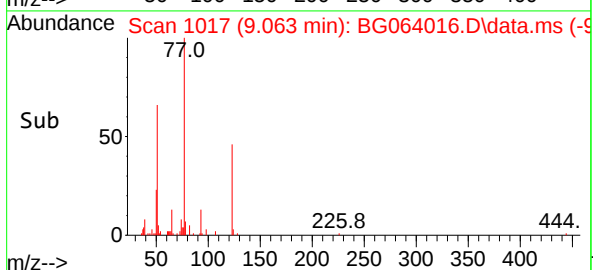
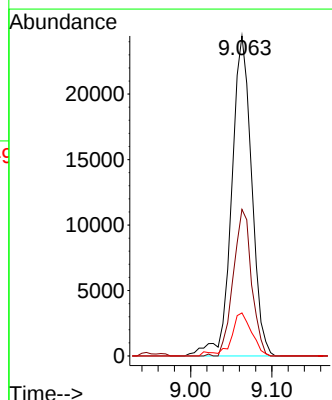
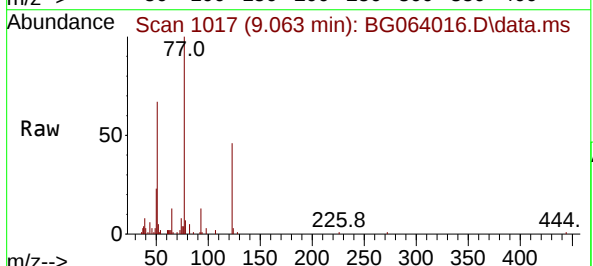
Tgt Ion: 77 Resp: 41725

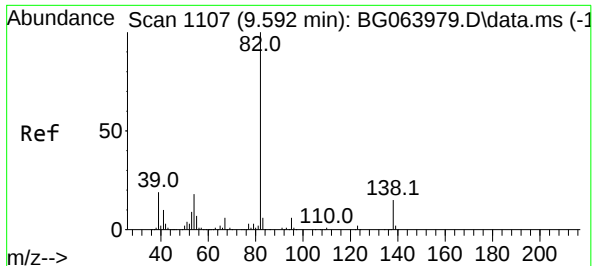
Ion Ratio Lower Upper

77 100

123 45.8 32.9 49.3

65 13.5 11.0 16.6

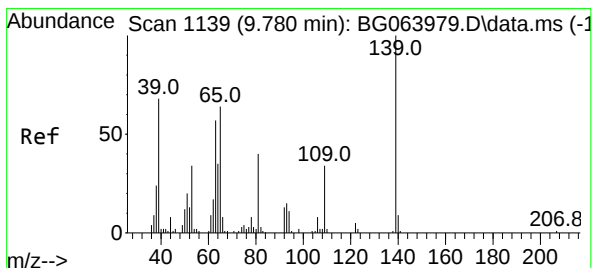
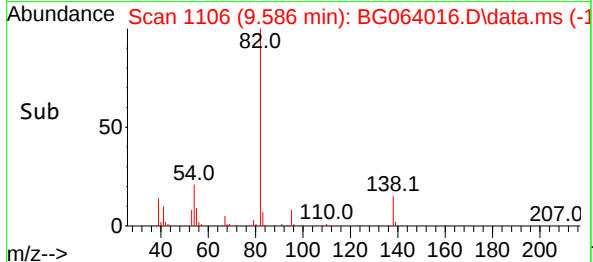
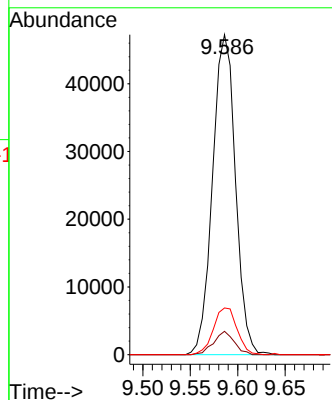
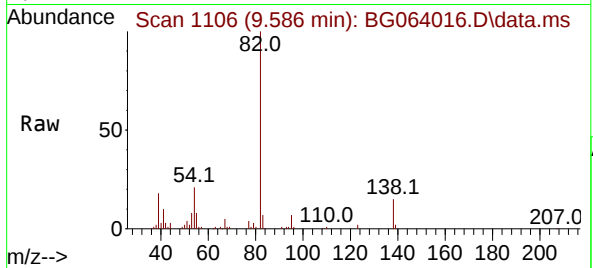




#25
Isophorone
Concen: 10.676 ng
RT: 9.586 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

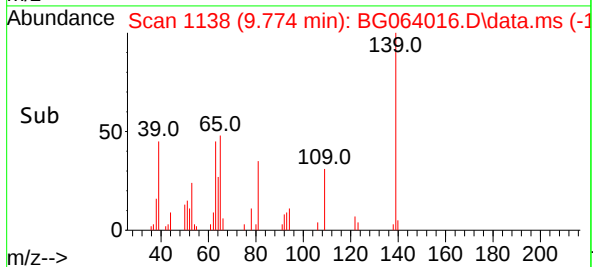
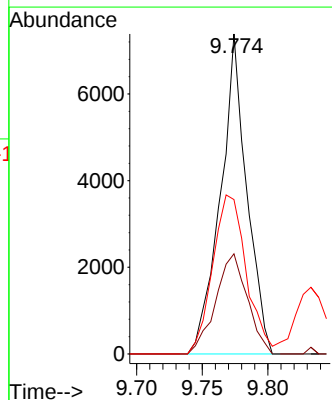
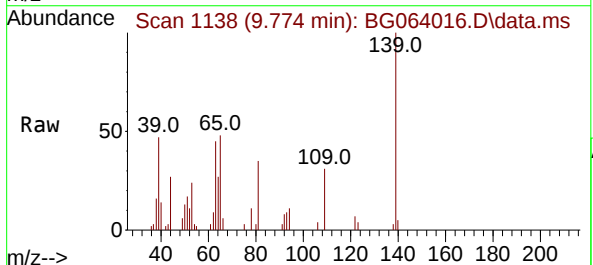
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

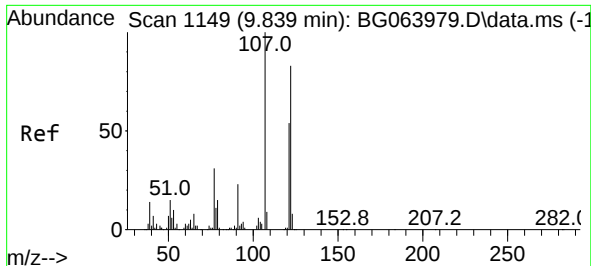
Tgt Ion: 82 Resp: 79444
Ion Ratio Lower Upper
82 100
95 7.3 5.0 7.4
138 14.6 12.2 18.4



#26
2-Nitrophenol
Concen: 19.345 ng
RT: 9.774 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:139 Resp: 10302
Ion Ratio Lower Upper
139 100
109 31.3 27.1 40.7
65 48.3 51.0 76.6#





#27

2,4-Dimethylphenol

Concen: 9.457 ng

RT: 9.833 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BG064016.D

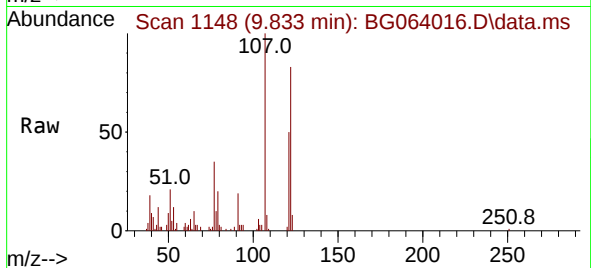
Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025



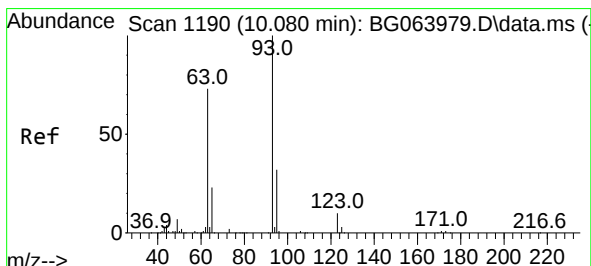
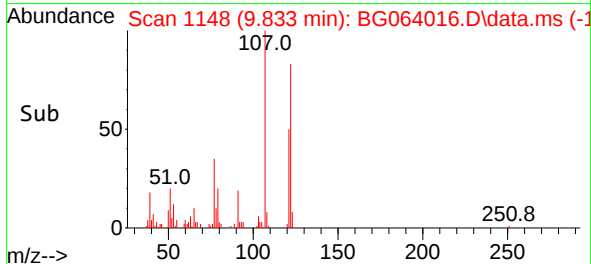
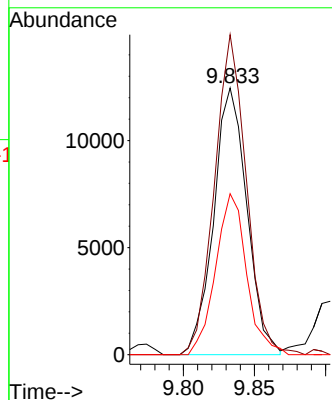
Tgt Ion:122 Resp: 20244

Ion Ratio Lower Upper

122 100

107 120.0 96.4 144.6

121 60.3 51.8 77.6



#28

bis(2-Chloroethoxy)methane

Concen: 9.380 ng

RT: 10.074 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

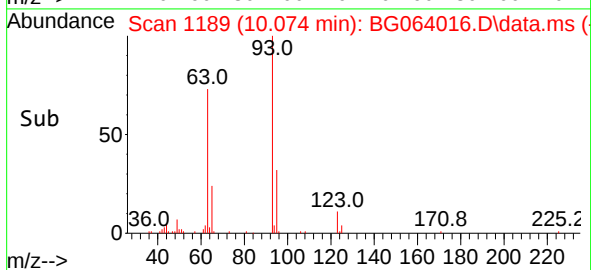
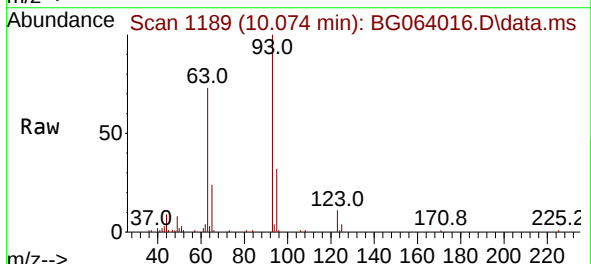
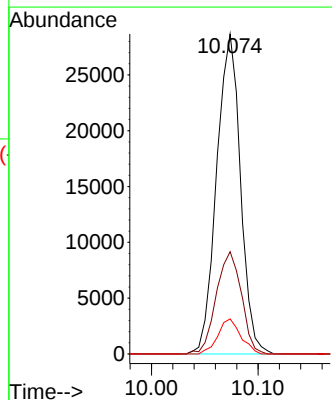
Tgt Ion: 93 Resp: 44416

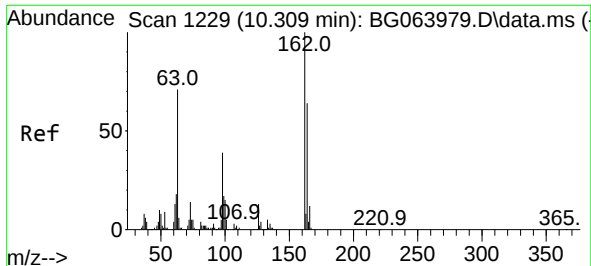
Ion Ratio Lower Upper

93 100

95 31.9 25.4 38.2

123 11.0 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 12.465 ng

RT: 10.303 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

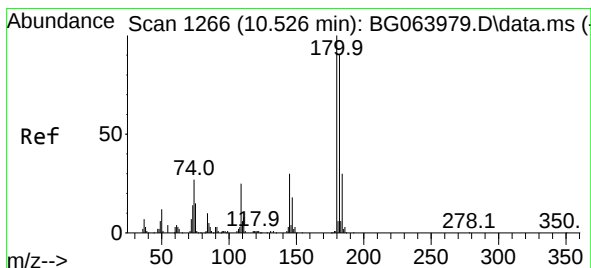
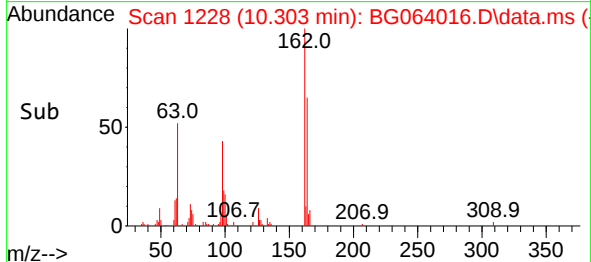
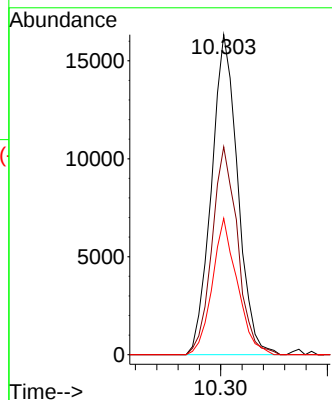
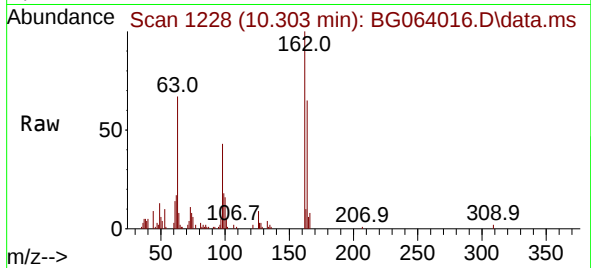
Tgt Ion:162 Resp: 27975

Ion Ratio Lower Upper

162 100

164 65.0 43.6 83.6

98 42.6 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 9.985 ng

RT: 10.526 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

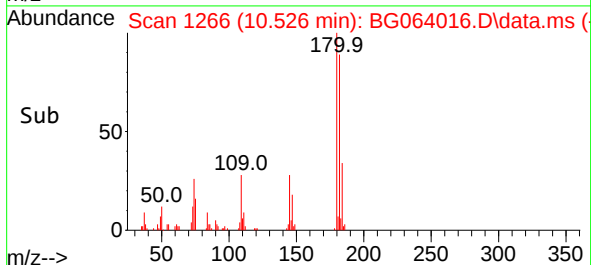
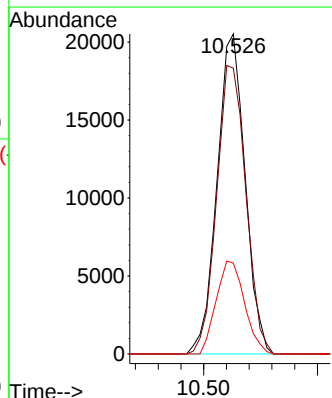
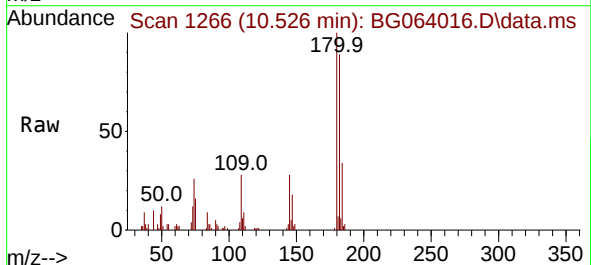
Tgt Ion:180 Resp: 35116

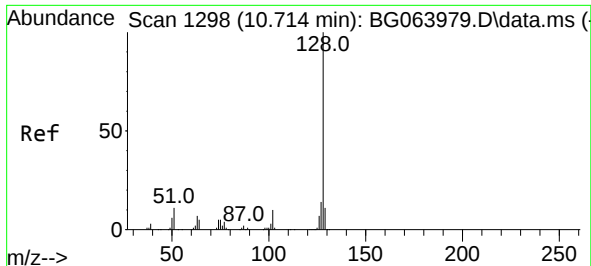
Ion Ratio Lower Upper

180 100

182 89.3 72.3 108.5

145 28.4 23.8 35.8

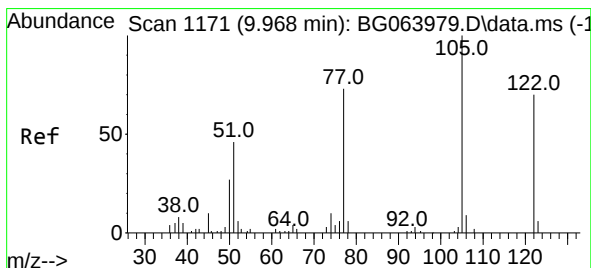
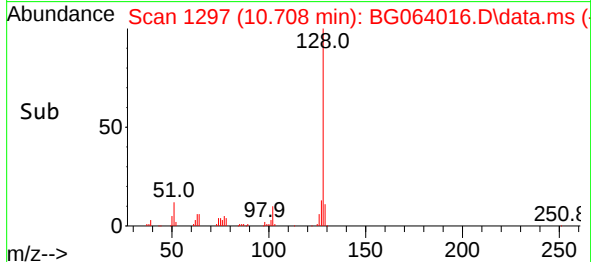
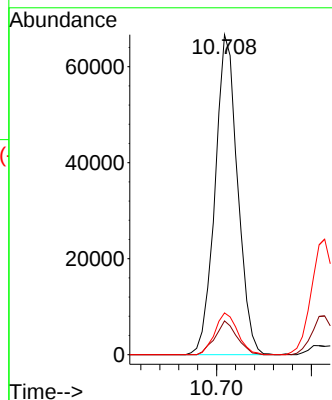
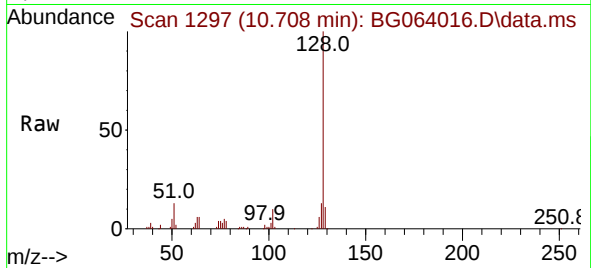




#31
Naphthalene
Concen: 9.824 ng
RT: 10.708 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

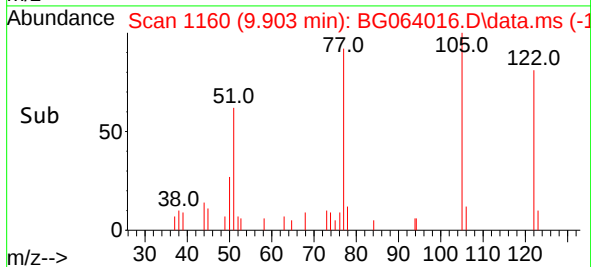
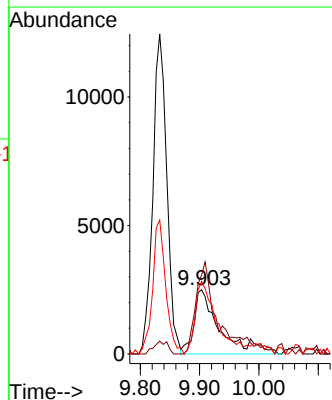
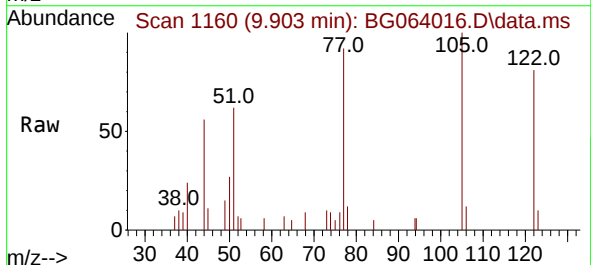
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

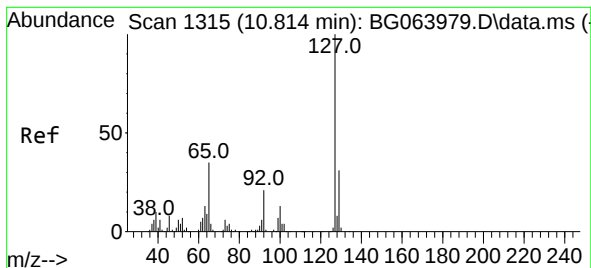
Tgt Ion:128 Resp: 109879
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.1 10.8 16.2



#32
Benzoic acid
Concen: 12.771 ng m
RT: 9.903 min Scan# 1160
Delta R.T. -0.065 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:122 Resp: 7551
Ion Ratio Lower Upper
122 100
105 123.1 117.9 157.9
77 112.9 83.9 123.9





#33

4-Chloroaniline

Concen: 9.889 ng

RT: 10.814 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:127 Resp: 42378

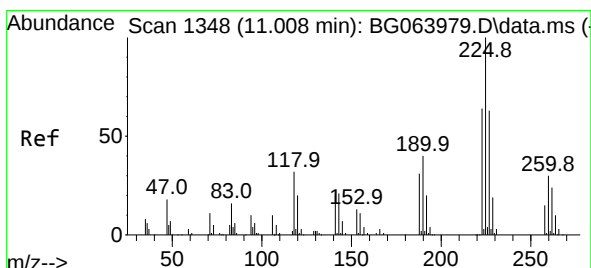
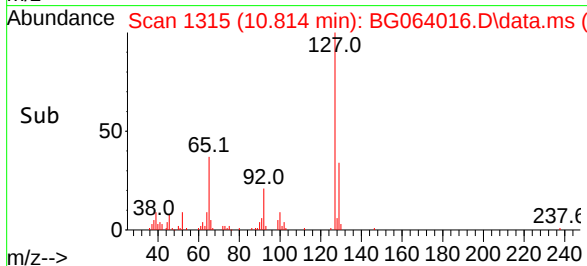
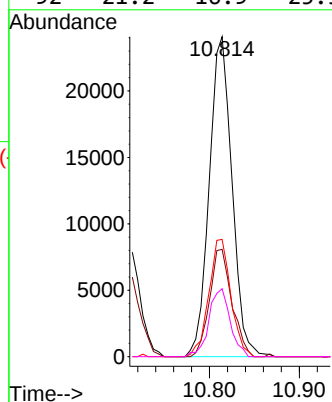
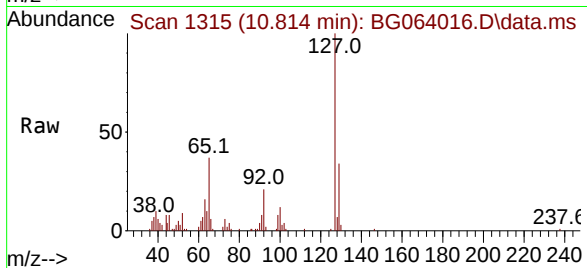
Ion Ratio Lower Upper

127 100

129 33.6 24.9 37.3

65 36.7 28.2 42.4

92 21.2 16.9 25.3



#34

Hexachlorobutadiene

Concen: 9.740 ng

RT: 11.008 min Scan# 1348

Delta R.T. -0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

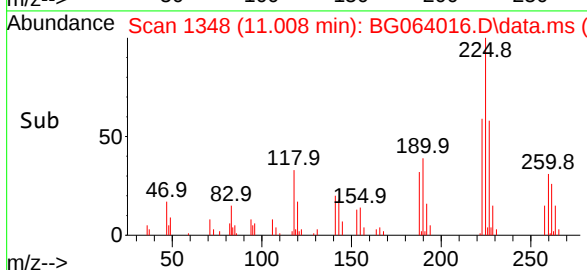
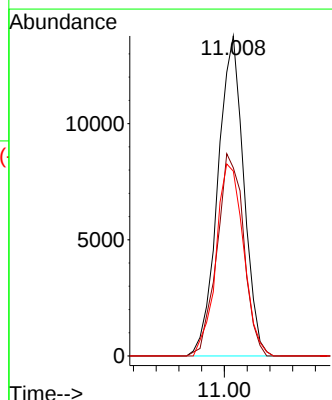
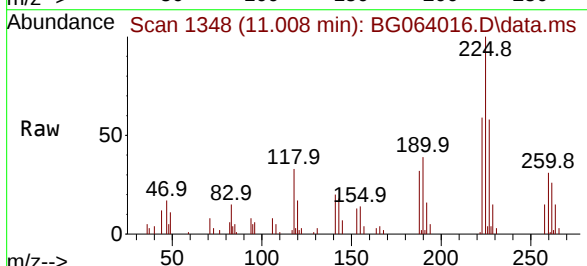
Tgt Ion:225 Resp: 21812

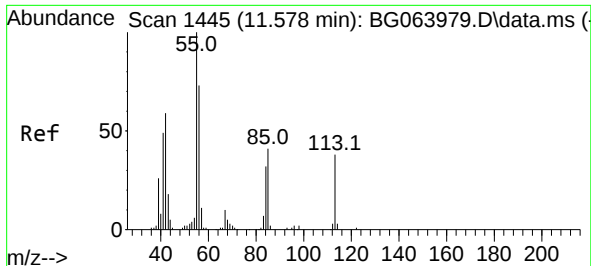
Ion Ratio Lower Upper

225 100

223 58.8 51.0 76.6

227 57.8 50.3 75.5

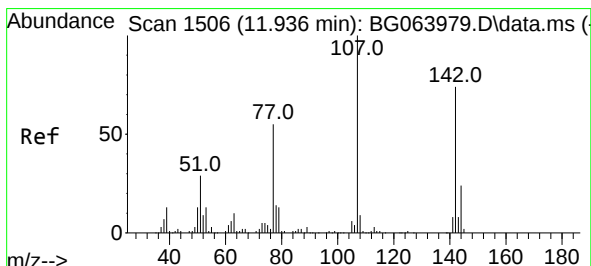
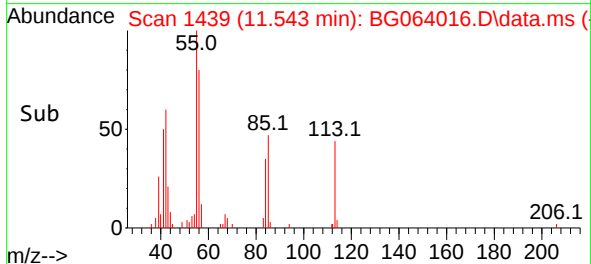
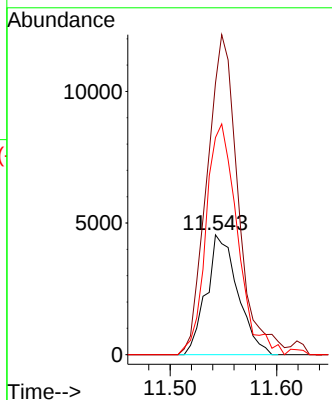
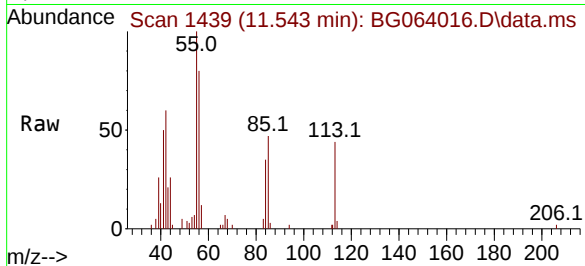




#35
Caprolactam
Concen: 12.879 ng
RT: 11.543 min Scan# 1445
Delta R.T. -0.035 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

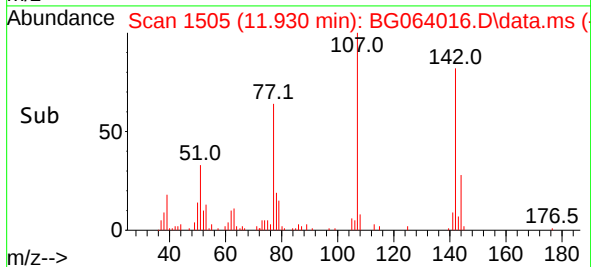
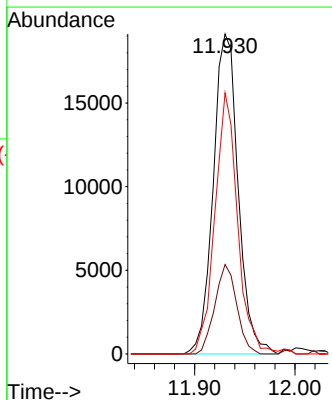
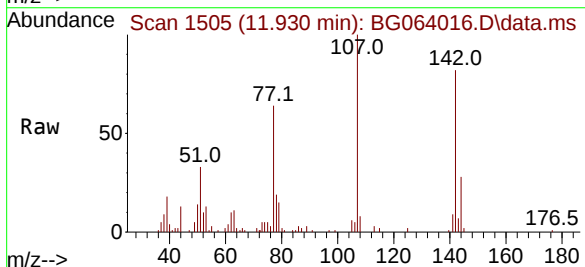
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

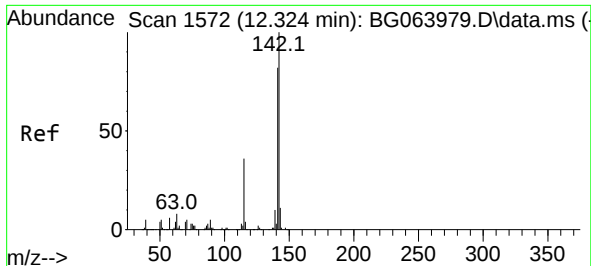
Tgt Ion:113 Resp: 9308
Ion Ratio Lower Upper
113 100
55 226.5 241.8 281.8#
56 181.0 171.5 211.5



#36
4-Chloro-3-methylphenol
Concen: 9.639 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:107 Resp: 33025
Ion Ratio Lower Upper
107 100
144 28.0 19.2 28.8
142 81.6 58.9 88.3

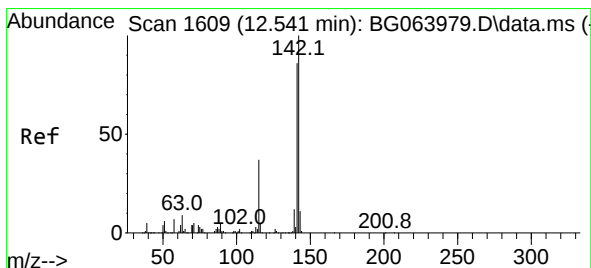
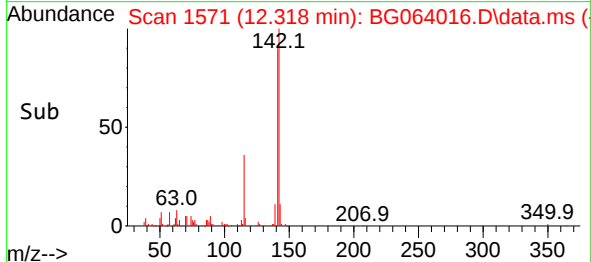
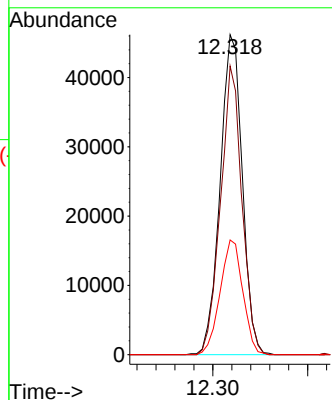
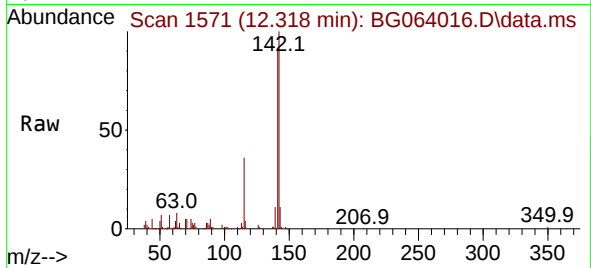




#37
2-Methylnaphthalene
Concen: 9.631 ng
RT: 12.318 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

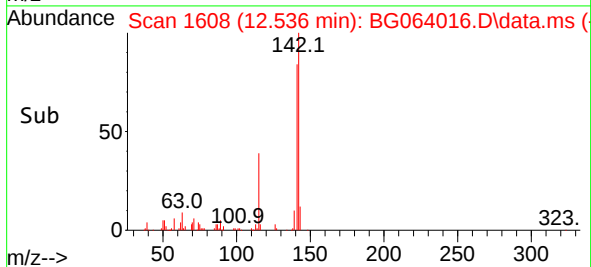
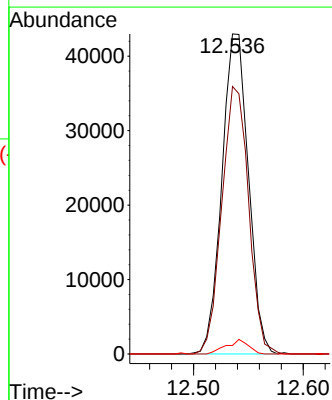
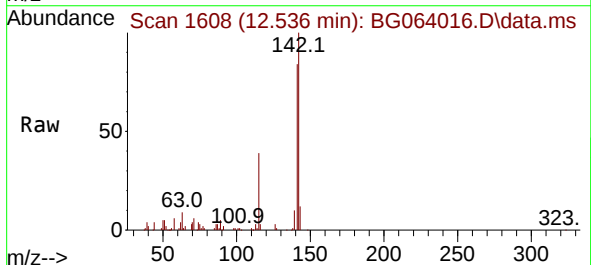
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

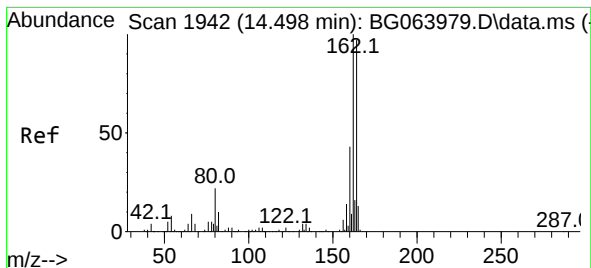
Tgt Ion:142 Resp: 75067
Ion Ratio Lower Upper
142 100
141 90.2 65.8 98.8
115 35.9 28.9 43.3



#38
1-Methylnaphthalene
Concen: 9.378 ng m
RT: 12.536 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:142 Resp: 72328
Ion Ratio Lower Upper
142 100
141 83.6 69.2 103.8
116 2.7 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: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

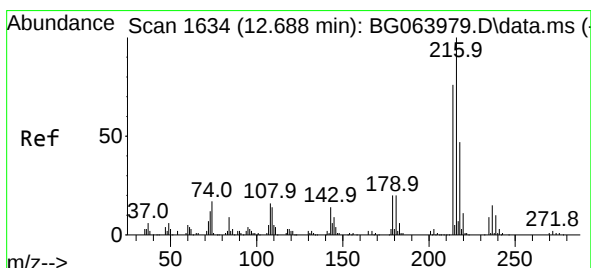
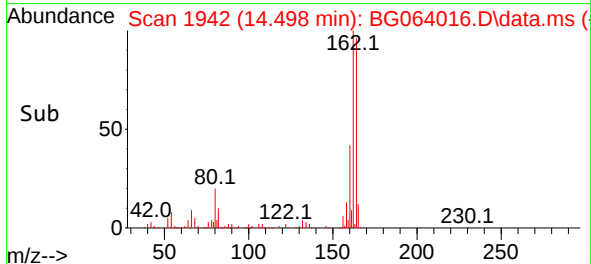
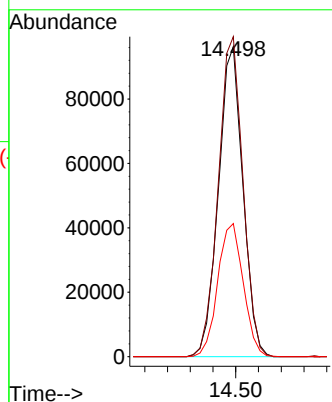
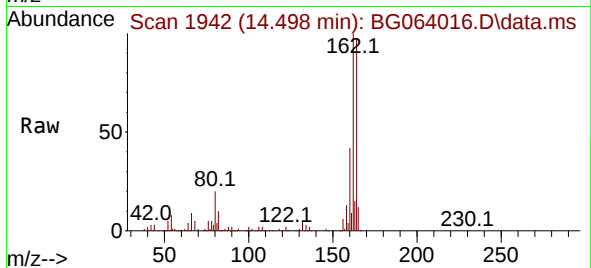
Tgt Ion:164 Resp: 143960

Ion Ratio Lower Upper

164 100

162 103.2 82.3 123.5

160 43.0 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.840 ng

RT: 12.688 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Tgt Ion:216 Resp: 41774

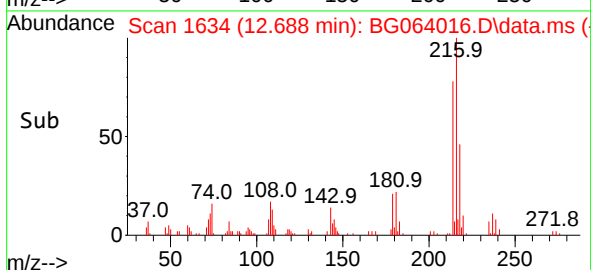
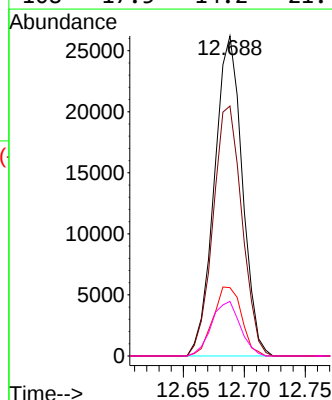
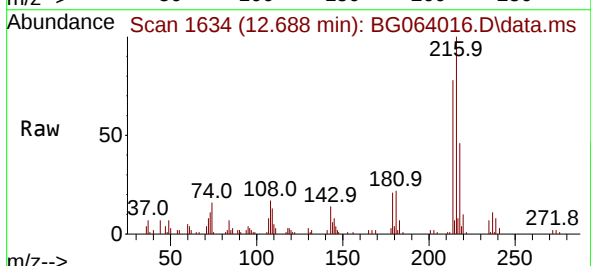
Ion Ratio Lower Upper

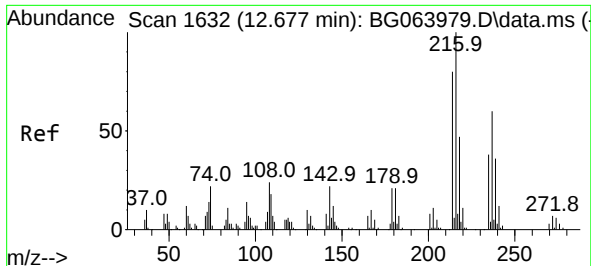
216 100

214 80.9 62.9 94.3

179 22.0 16.6 25.0

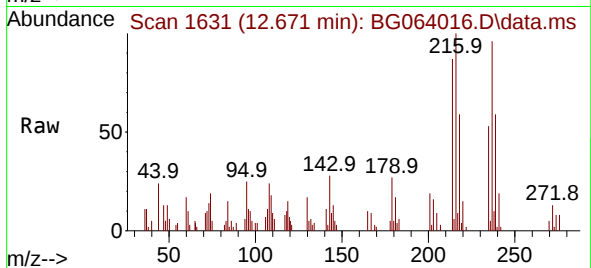
108 17.5 14.2 21.4



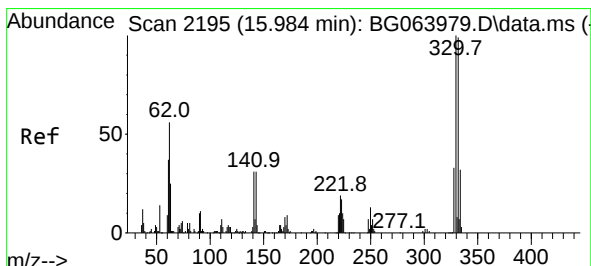
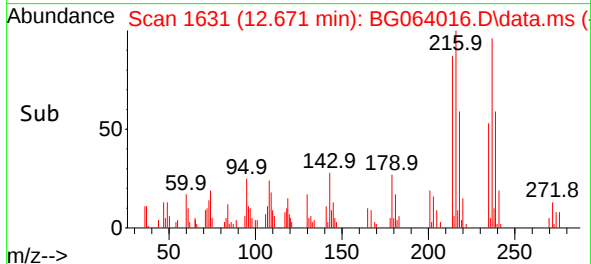
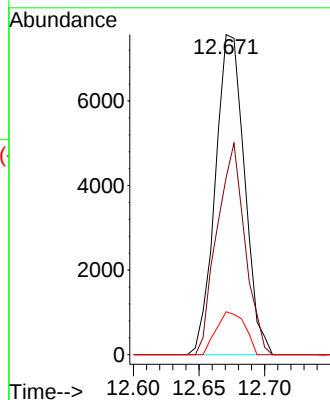


#41
Hexachlorocyclopentadiene
Concen: 10.892 ng
RT: 12.671 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

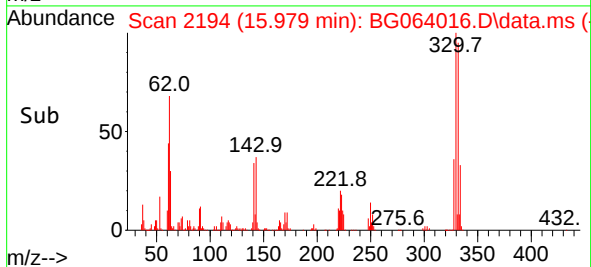
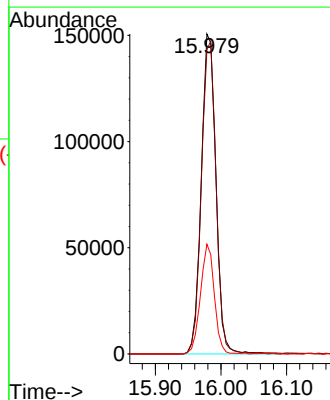
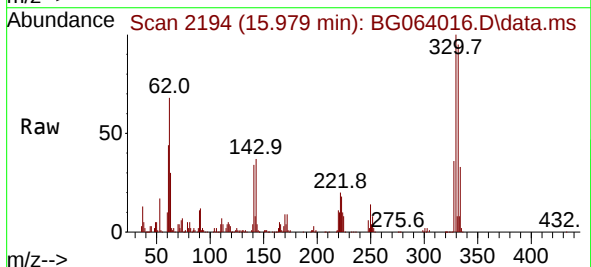


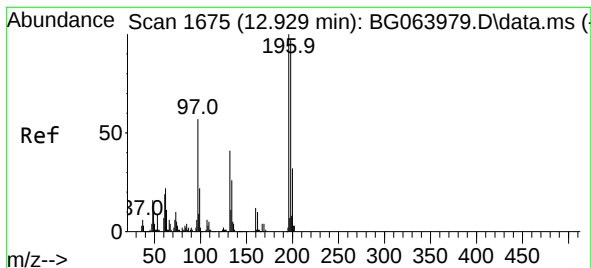
Tgt Ion:237 Resp: 11703
Ion Ratio Lower Upper
237 100
235 55.4 43.8 83.8
272 13.4 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 139.613 ng
RT: 15.979 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:330 Resp: 234346
Ion Ratio Lower Upper
330 100
332 97.7 79.0 118.6
141 32.6 27.2 40.8





#43

2,4,6-Trichlorophenol

Concen: 12.402 ng m

RT: 12.923 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

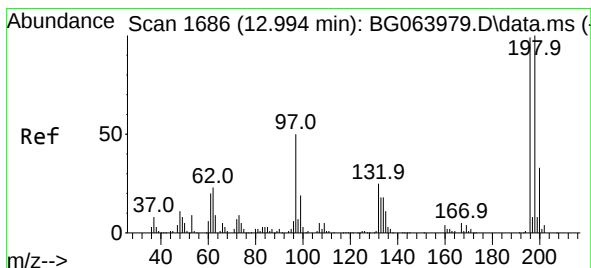
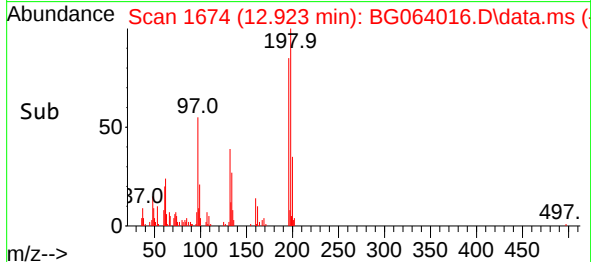
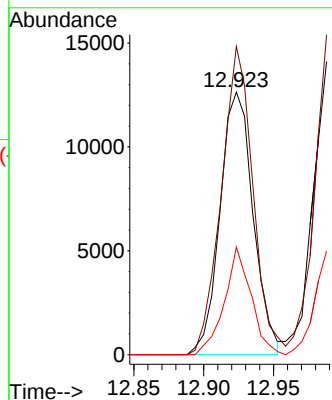
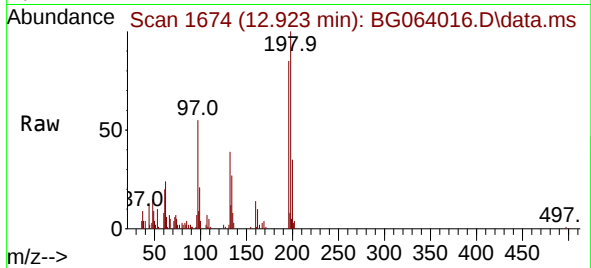
Tgt Ion:196 Resp: 20855

Ion Ratio Lower Upper

196 100

198 117.3 77.9 116.9#

200 41.0 25.5 38.3#



#44

2,4,5-Trichlorophenol

Concen: 12.001 ng

RT: 12.994 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Tgt Ion:196 Resp: 24651

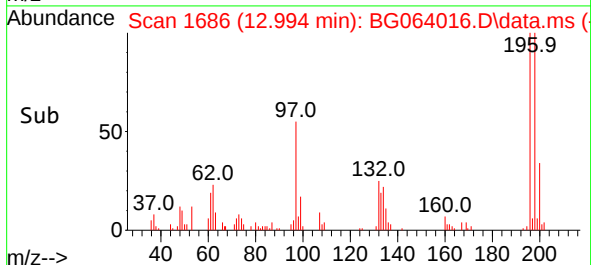
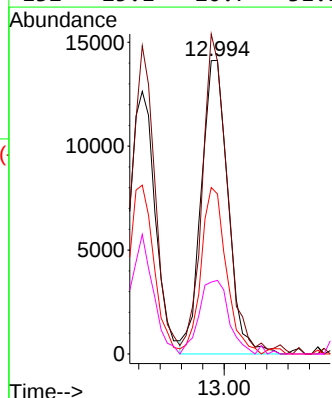
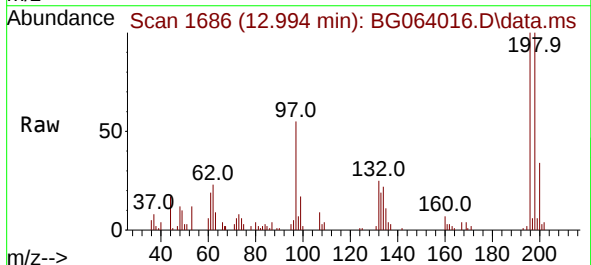
Ion Ratio Lower Upper

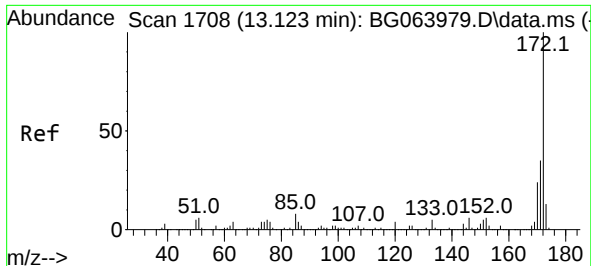
196 100

198 99.7 81.1 121.7

97 54.5 41.2 61.8

132 25.1 20.7 31.1

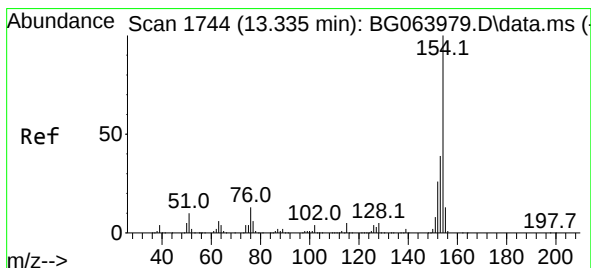
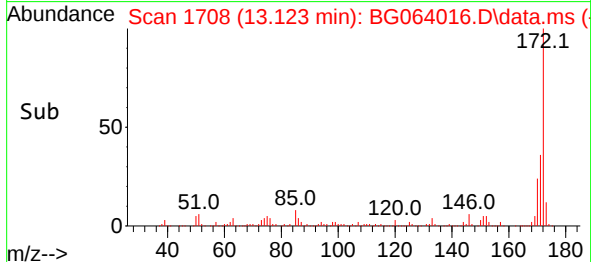
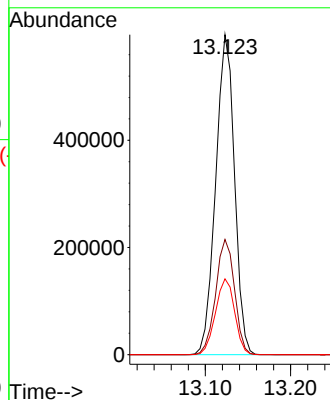
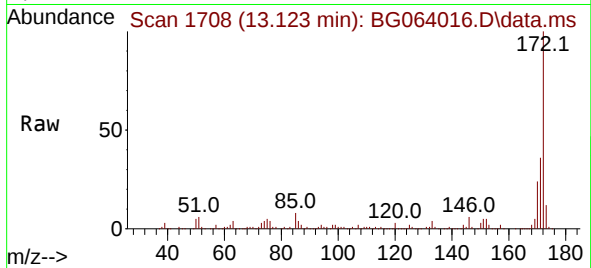




#45
2-Fluorobiphenyl
Concen: 97.273 ng
RT: 13.123 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

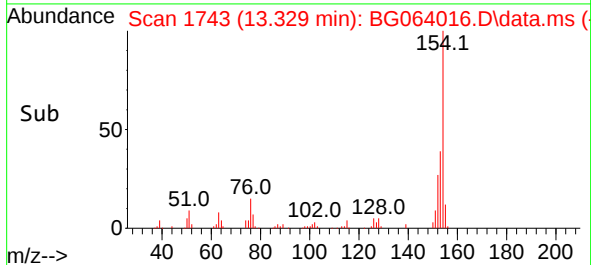
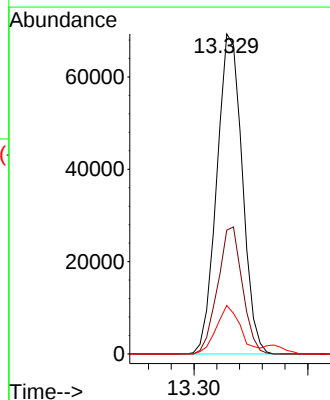
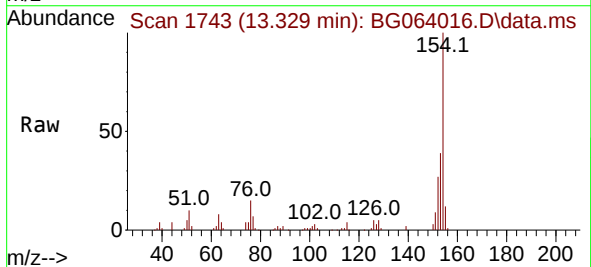
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

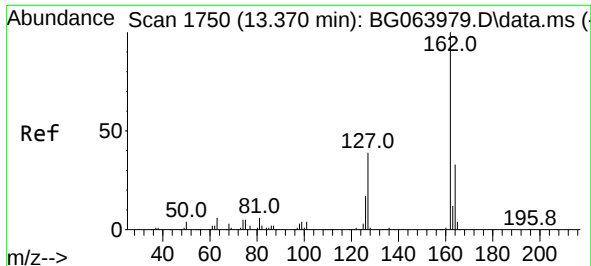
Tgt Ion:172 Resp: 913976
Ion Ratio Lower Upper
172 100
171 36.0 27.8 41.6
170 23.7 19.4 29.2



#46
1,1'-Biphenyl
Concen: 9.822 ng
RT: 13.329 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:154 Resp: 107656
Ion Ratio Lower Upper
154 100
153 38.7 19.3 59.3
76 15.2 0.0 33.3

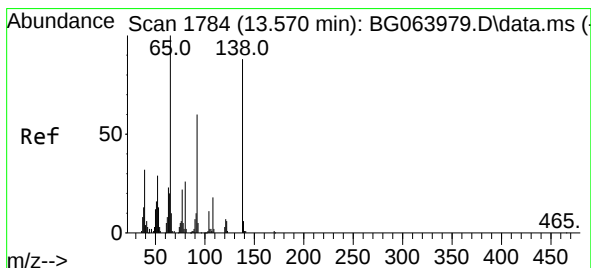
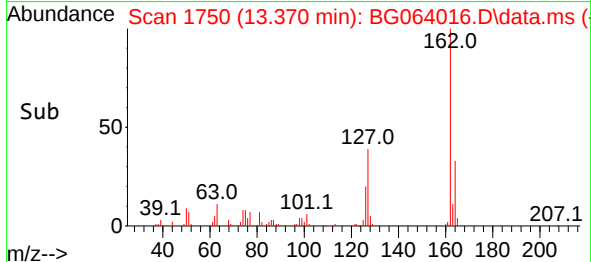
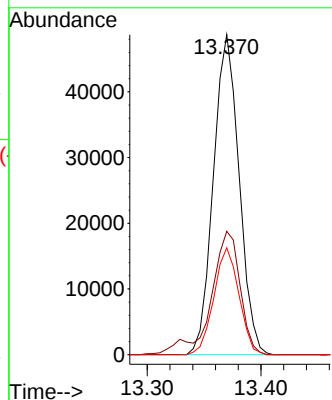
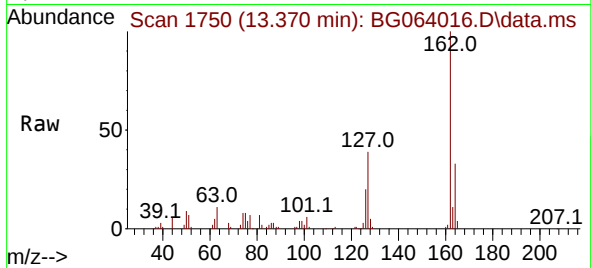




#47
2-Chloronaphthalene
Concen: 9.577 ng
RT: 13.370 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

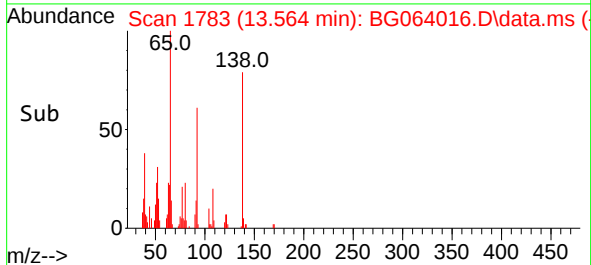
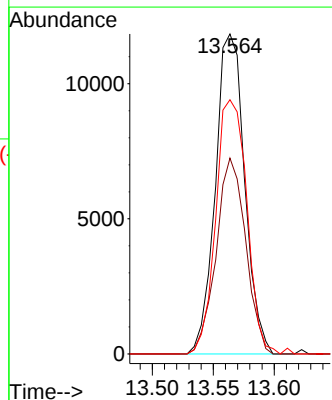
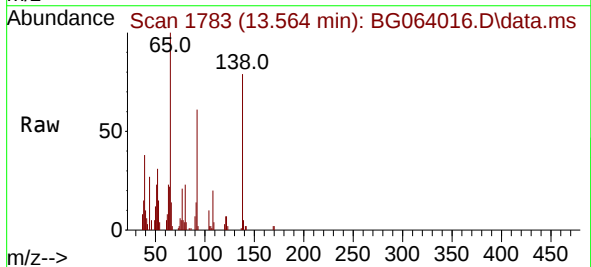
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

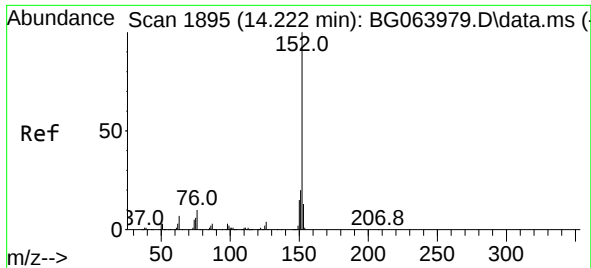
Tgt Ion:162 Resp: 76510
Ion Ratio Lower Upper
162 100
127 38.6 33.4 50.2
164 33.4 26.0 39.0



#48
2-Nitroaniline
Concen: 14.244 ng
RT: 13.564 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion: 65 Resp: 19789
Ion Ratio Lower Upper
65 100
92 61.2 47.6 71.4
138 79.4 70.6 106.0

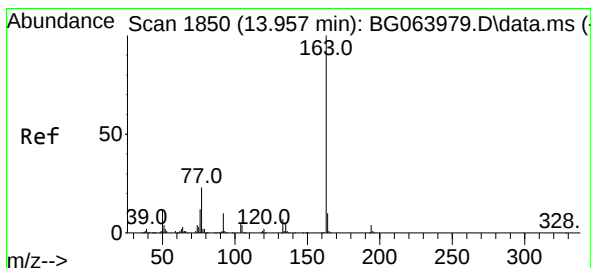
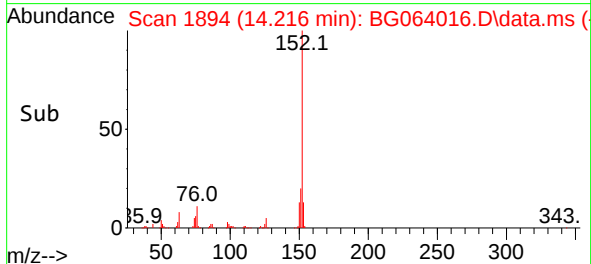
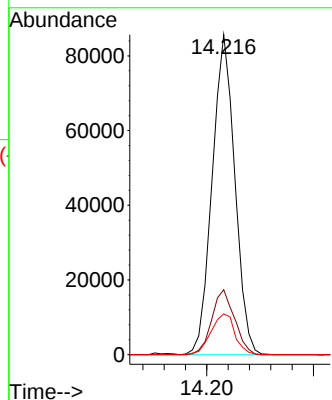
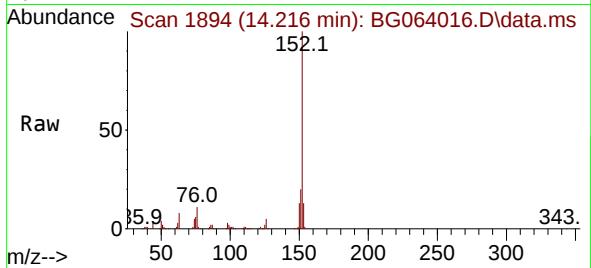




#49
Acenaphthylene
Concen: 10.174 ng
RT: 14.216 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

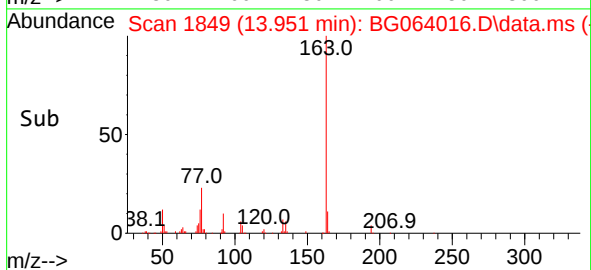
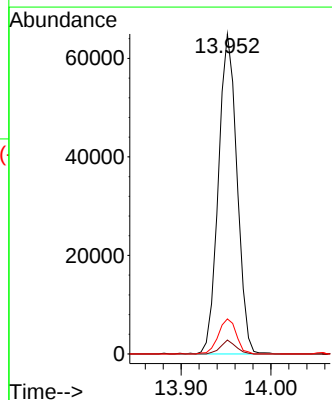
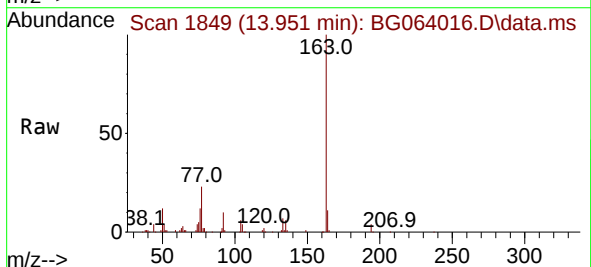
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

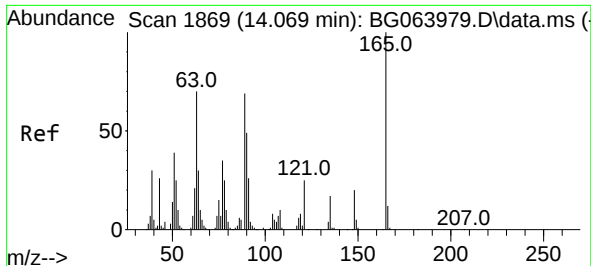
Tgt Ion:152 Resp: 126254
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 12.8 10.3 15.5



#50
Dimethylphthalate
Concen: 9.781 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:163 Resp: 93357
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.4
164 10.9 8.0 12.0

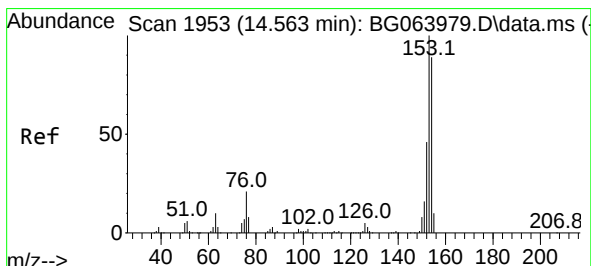
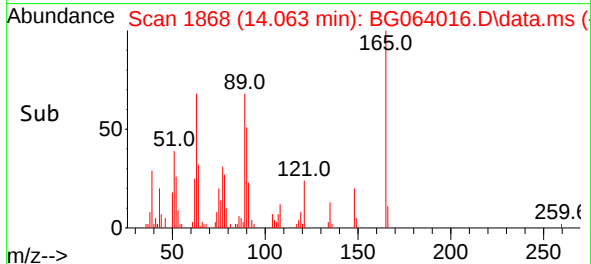
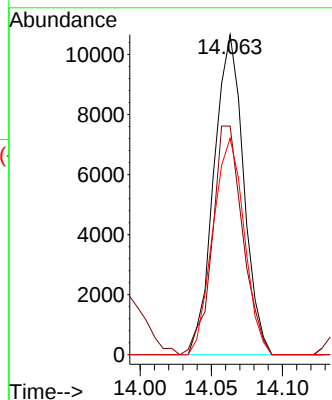
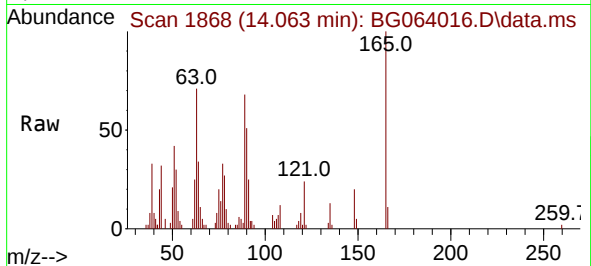




#51
2,6-Dinitrotoluene
Concen: 13.224 ng
RT: 14.063 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

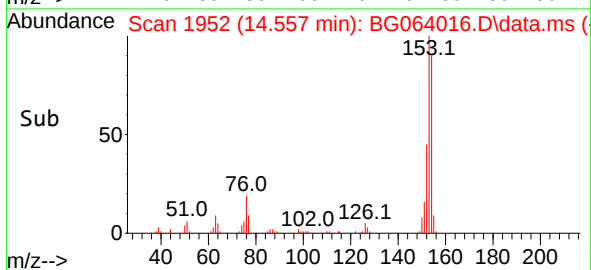
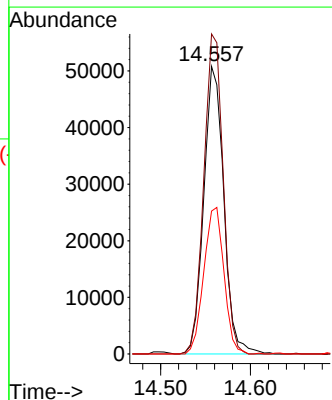
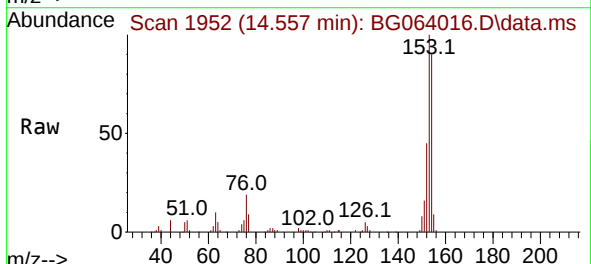
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

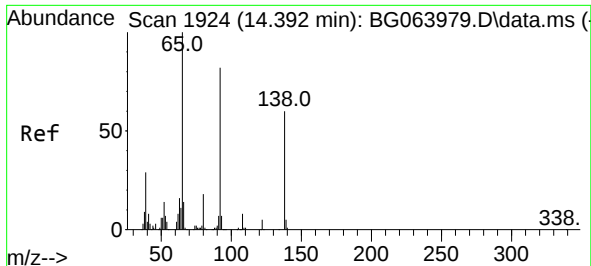
Tgt Ion:	165	Resp:	15514
Ion Ratio	Lower	Upper	
165	100		
63	71.4	57.7	86.5
89	67.6	55.6	83.4



#52
Acenaphthene
Concen: 9.440 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:	154	Resp:	78572
Ion Ratio	Lower	Upper	
154	100		
153	111.3	90.2	135.2
152	49.7	41.1	61.7

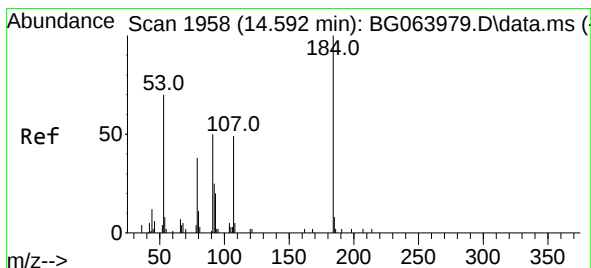
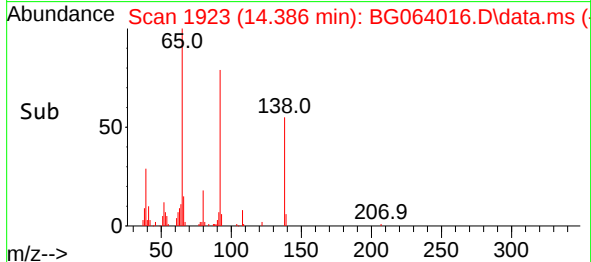
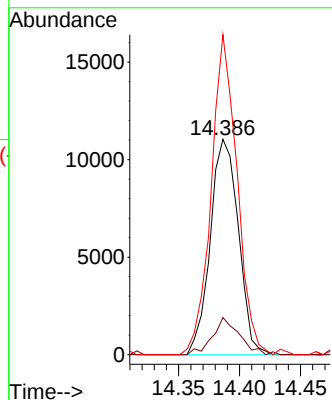
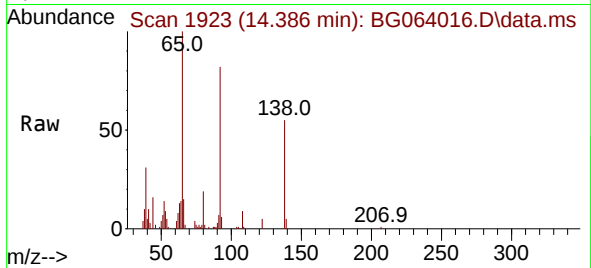




#53
3-Nitroaniline
Concen: 12.769 ng
RT: 14.386 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

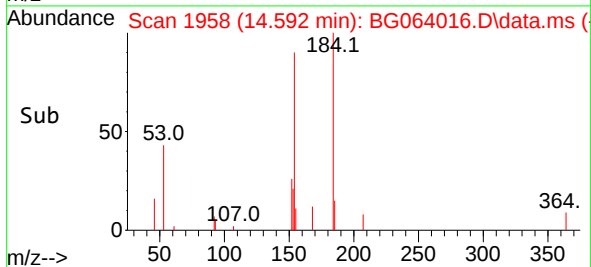
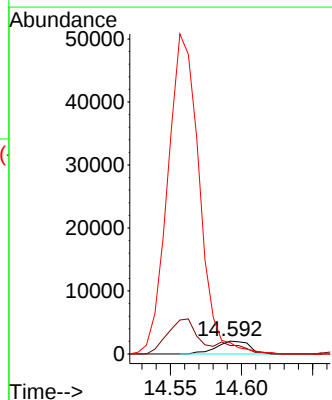
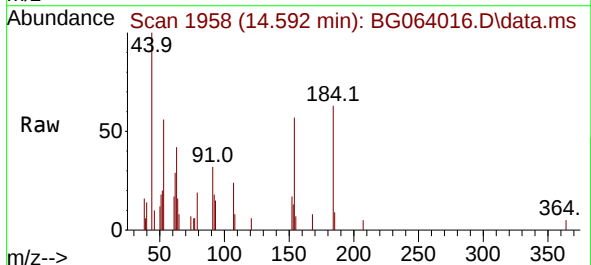
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

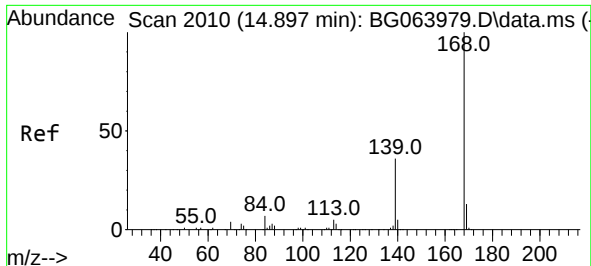
Tgt Ion:138 Resp: 17698
Ion Ratio Lower Upper
138 100
108 17.2 10.3 15.5#
92 148.6 109.0 163.4



#54
2,4-Dinitrophenol
Concen: 13.715 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:184 Resp: 3304
Ion Ratio Lower Upper
184 100
63 65.9 67.3 100.9#
154 89.6 65.9 98.9

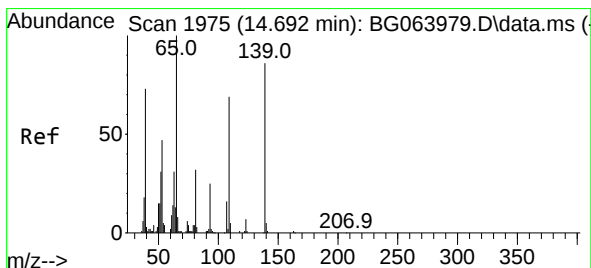
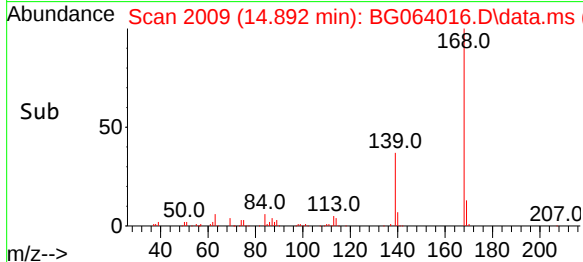
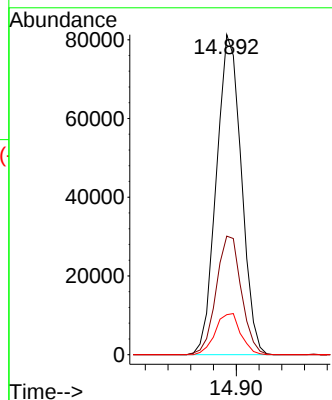
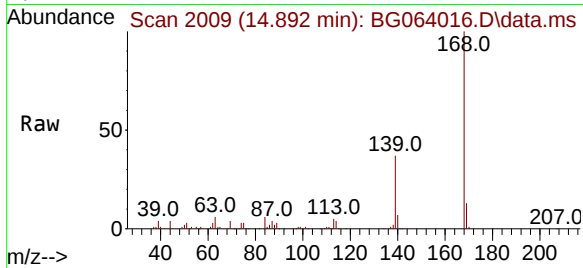




#55
Dibenzofuran
Concen: 9.167 ng
RT: 14.892 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

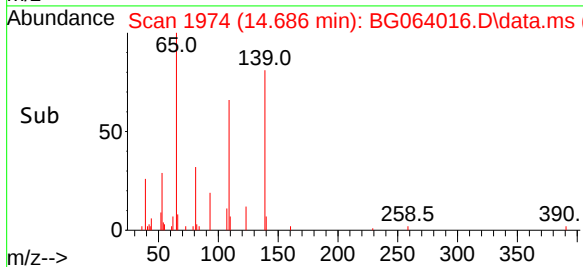
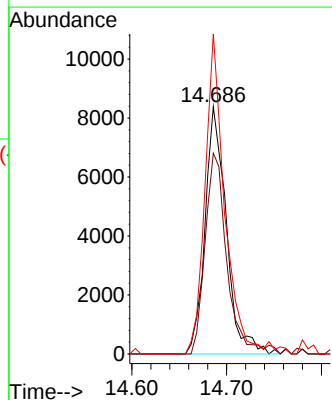
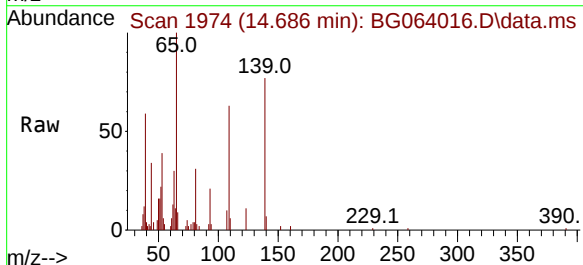
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

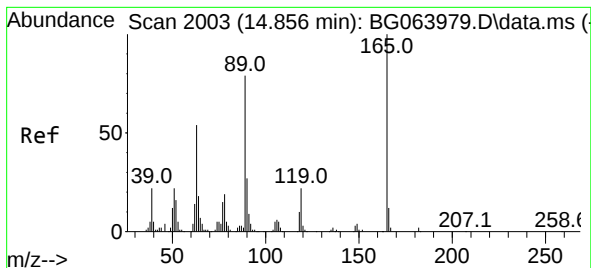
Tgt Ion:168 Resp: 123896
Ion Ratio Lower Upper
168 100
139 37.1 28.6 43.0
169 12.5 10.6 16.0



#56
4-Nitrophenol
Concen: 14.768 ng
RT: 14.686 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

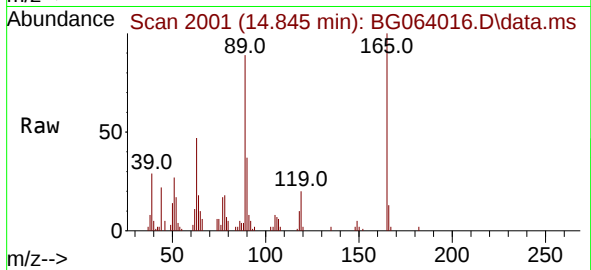
Tgt Ion:139 Resp: 13071
Ion Ratio Lower Upper
139 100
109 81.3 60.1 100.1
65 129.5 96.2 136.2



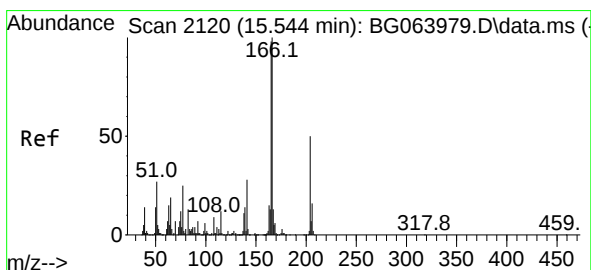
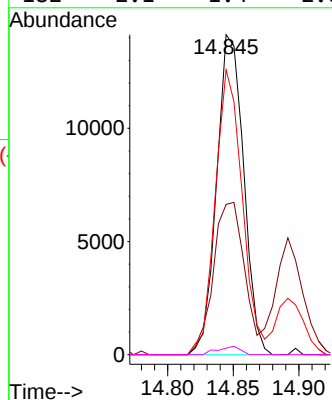
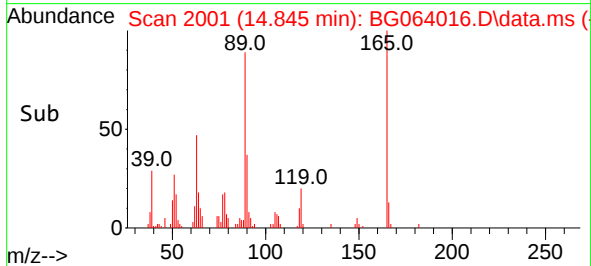


#57
2,4-Dinitrotoluene
Concen: 13.714 ng
RT: 14.845 min Scan# 2001
Delta R.T. -0.011 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

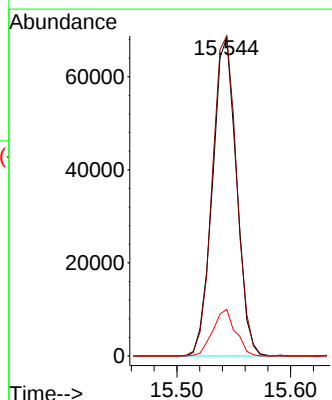
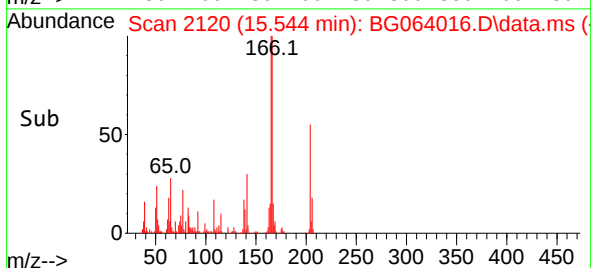
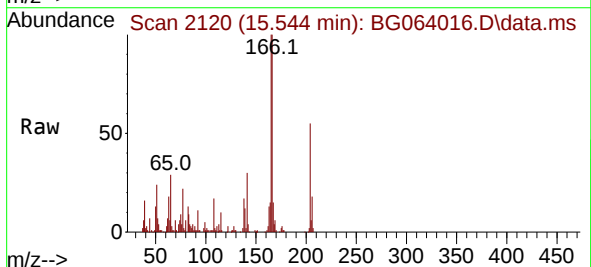


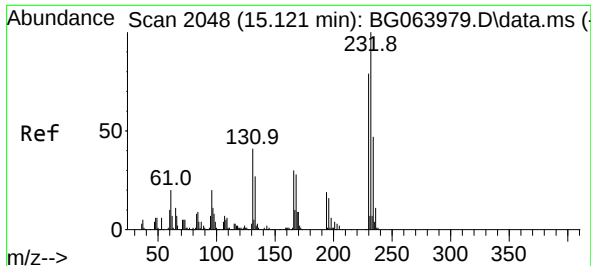
Tgt Ion:165 Resp: 20185
Ion Ratio Lower Upper
165 100
63 46.9 43.6 65.4
89 89.0 63.1 94.7
182 2.1 1.4 2.0#



#58
Fluorene
Concen: 9.576 ng
RT: 15.544 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:166 Resp: 100038
Ion Ratio Lower Upper
166 100
165 100.5 78.7 118.1
167 14.6 10.1 15.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 12.505 ng

RT: 15.115 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BG064016.D

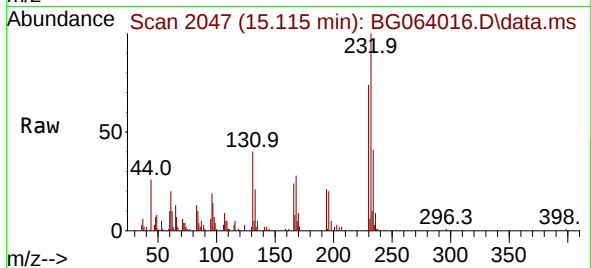
Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025



Tgt Ion:232 Resp: 22173

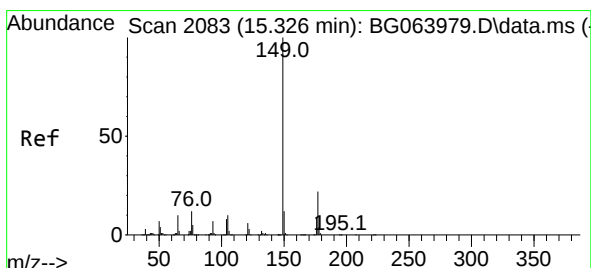
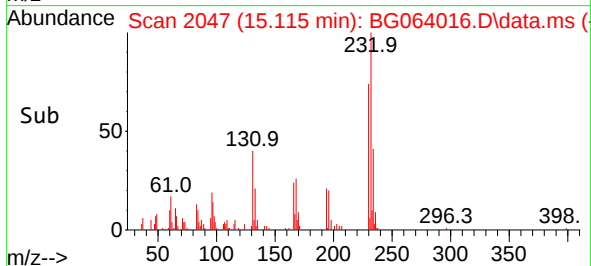
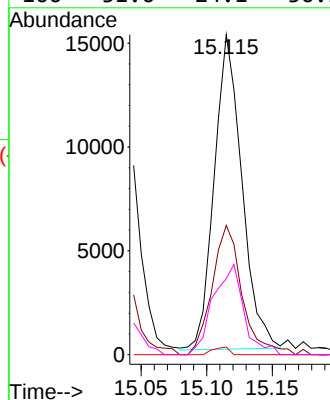
Ion Ratio Lower Upper

232 100

131 44.9 34.0 51.0

130 1.4 2.2 3.4#

166 31.6 24.1 36.1



#60

Diethylphthalate

Concen: 9.644 ng

RT: 15.320 min Scan# 2082

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

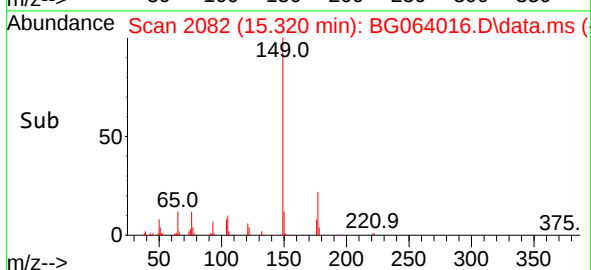
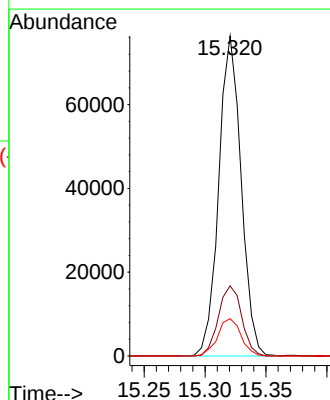
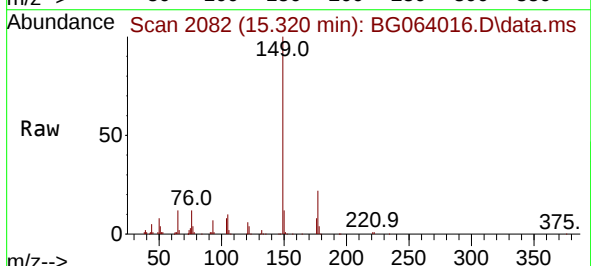
Tgt Ion:149 Resp: 97603

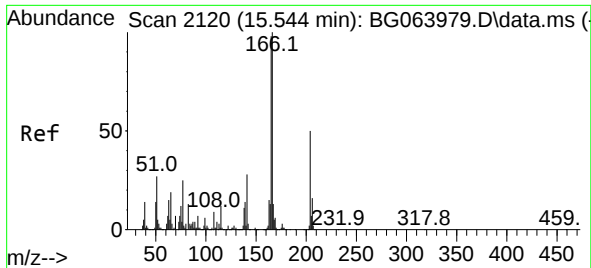
Ion Ratio Lower Upper

149 100

177 21.9 18.0 27.0

150 11.7 9.7 14.5

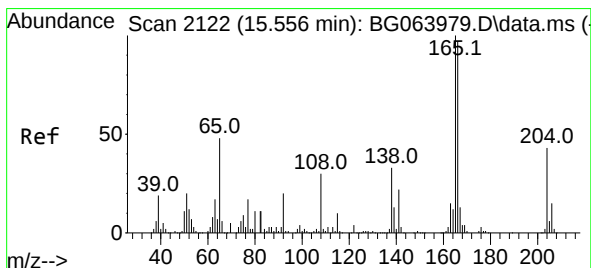
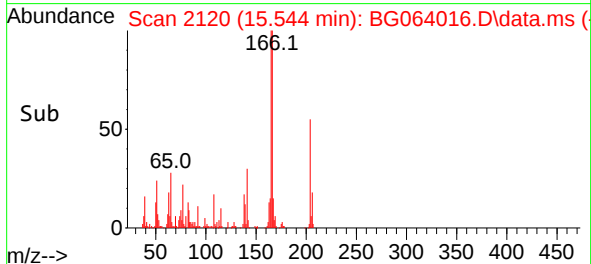
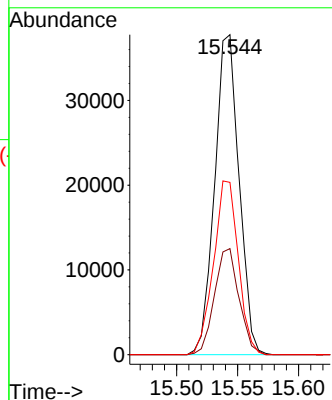
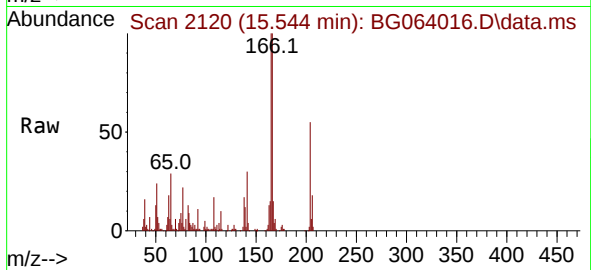




#61
4-Chlorophenyl-phenylether
Concen: 10.027 ng
RT: 15.544 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

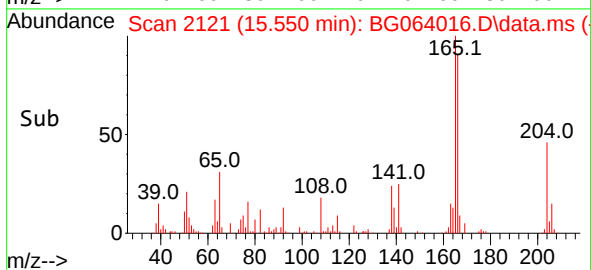
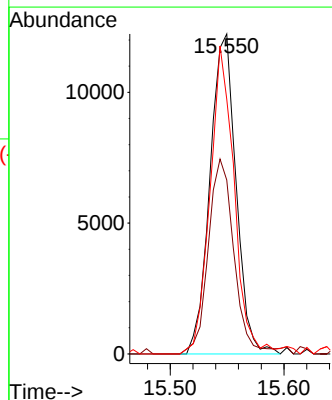
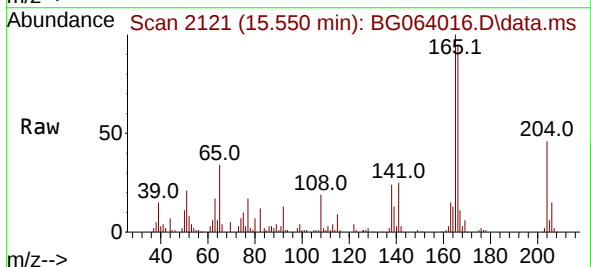
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

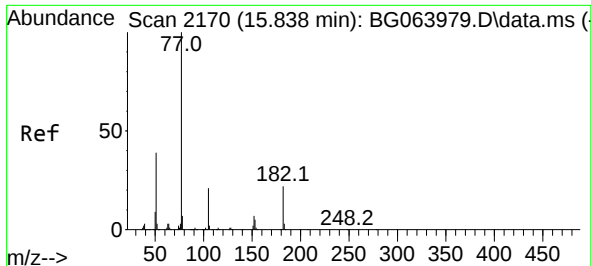
Tgt Ion:204 Resp: 52557
Ion Ratio Lower Upper
204 100
206 33.2 25.8 38.6
141 53.9 44.6 67.0



#62
4-Nitroaniline
Concen: 11.856 ng
RT: 15.550 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:138 Resp: 19485
Ion Ratio Lower Upper
138 100
92 54.3 40.3 80.3
108 79.6 69.3 109.3

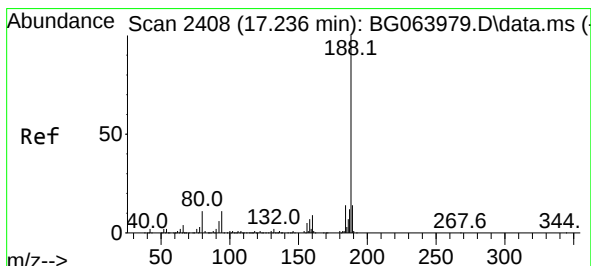
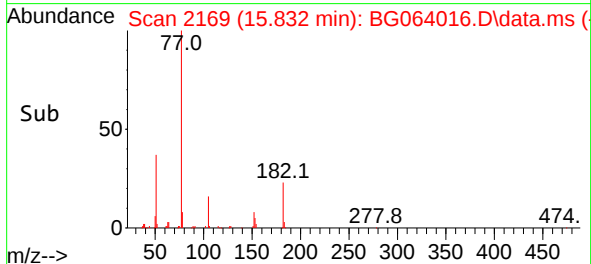
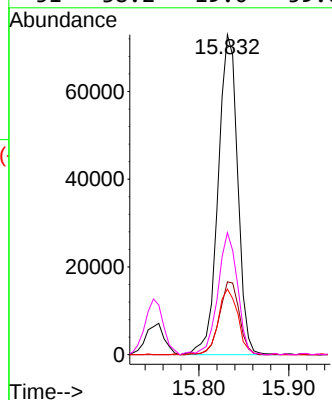
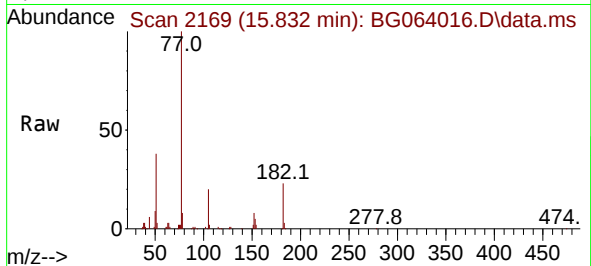




#63
Azobenzene
Concen: 9.211 ng
RT: 15.832 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

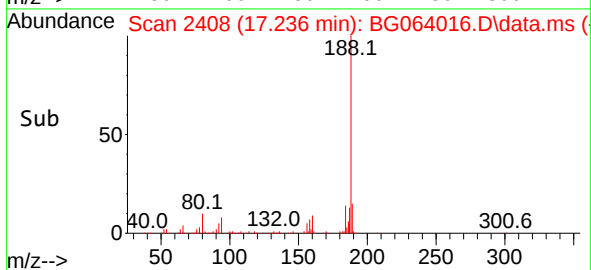
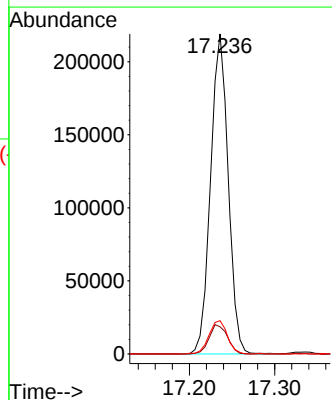
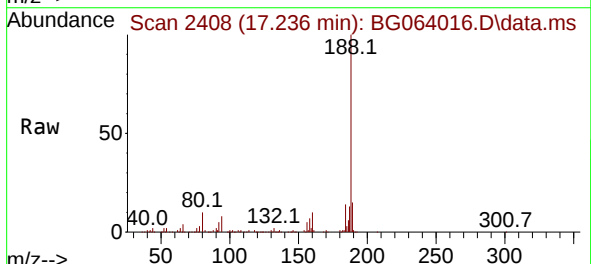
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

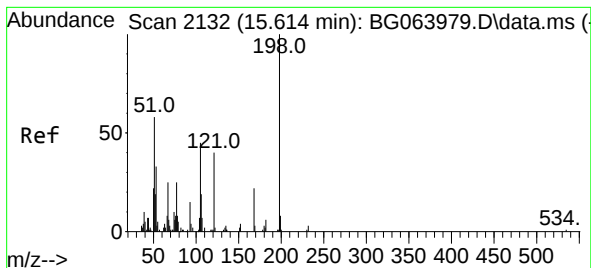
Tgt Ion: 77 Resp: 110097
Ion Ratio Lower Upper
77 100
182 22.7 2.3 42.3
105 20.5 1.0 41.0
51 38.2 19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.236 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:188 Resp: 314794
Ion Ratio Lower Upper
188 100
94 8.5 8.6 13.0#
80 10.4 8.5 12.7

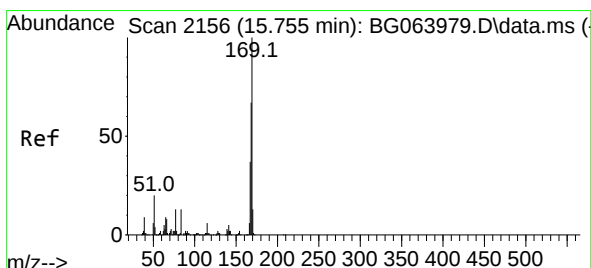
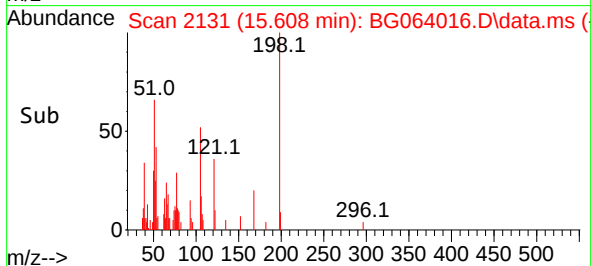
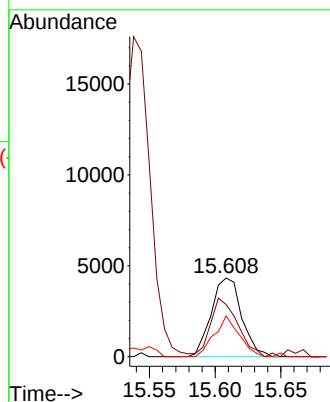
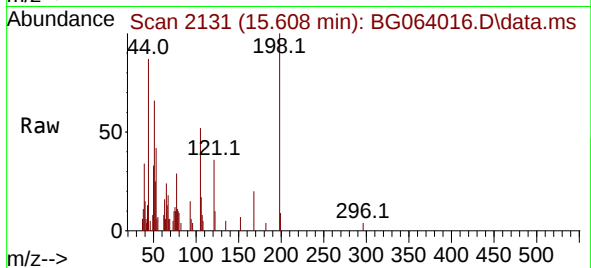




#65
4,6-Dinitro-2-methylphenol
Concen: 15.988 ng
RT: 15.608 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

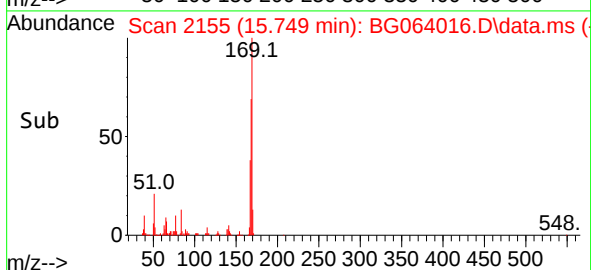
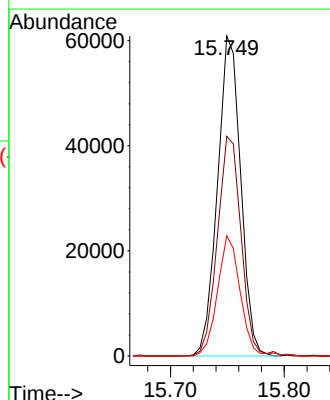
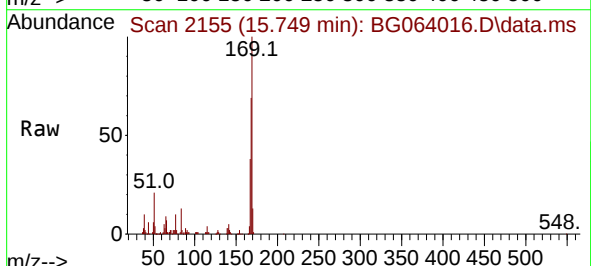
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

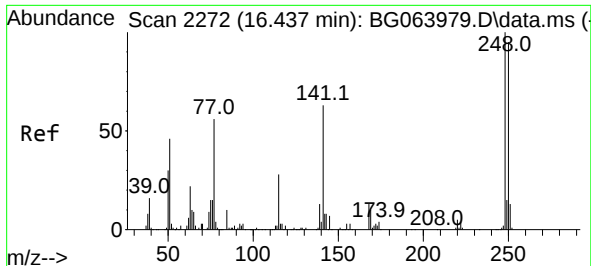
Tgt Ion:198 Resp: 6977
Ion Ratio Lower Upper
198 100
51 66.2 45.4 85.4
105 51.8 27.7 67.7



#66
n-Nitrosodiphenylamine
Concen: 9.903 ng
RT: 15.749 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:169 Resp: 86430
Ion Ratio Lower Upper
169 100
168 68.6 53.5 80.3
167 37.6 30.0 45.0

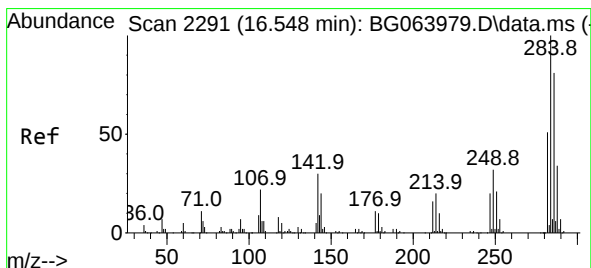
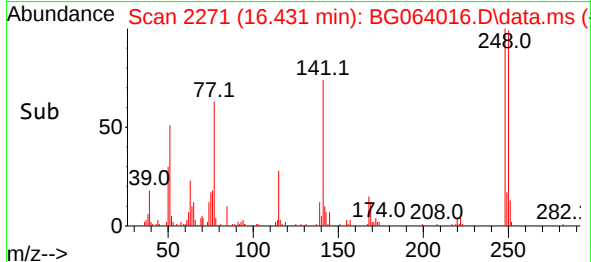
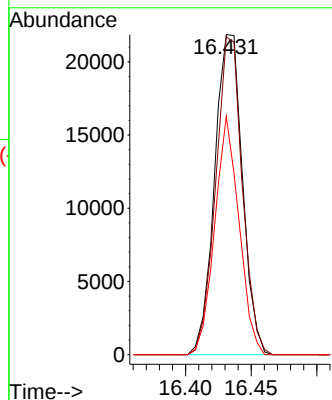
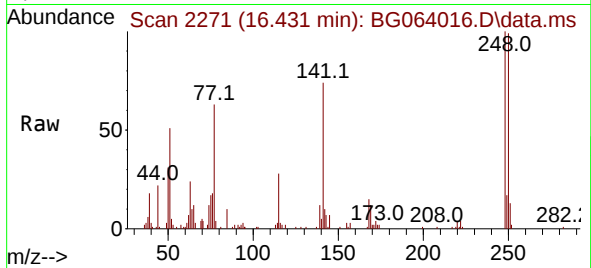




#67
4-Bromophenyl-phenylether
Concen: 10.286 ng
RT: 16.431 min Scan# 211
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

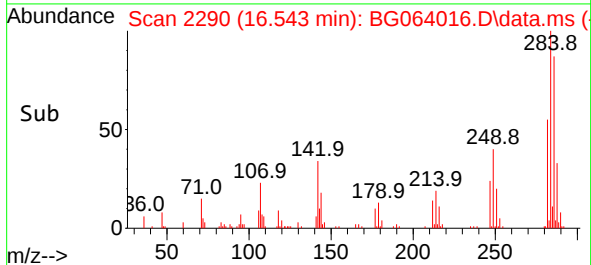
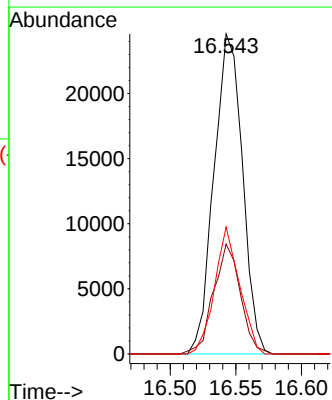
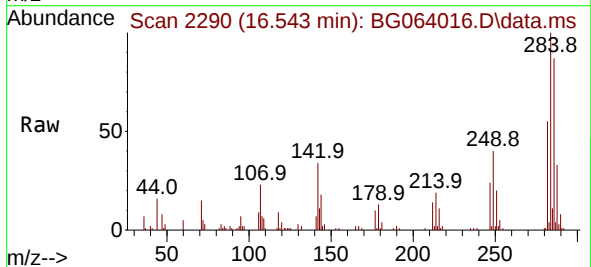
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

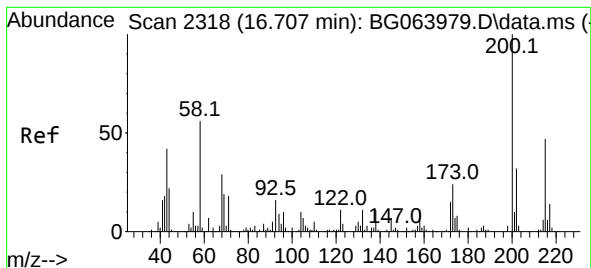
Tgt Ion:248 Resp: 32230
Ion Ratio Lower Upper
248 100
250 99.3 76.2 114.4
141 74.4 50.6 75.8



#68
Hexachlorobenzene
Concen: 10.060 ng
RT: 16.543 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:284 Resp: 37060
Ion Ratio Lower Upper
284 100
142 34.4 23.8 35.8
249 39.7 25.9 38.9#





#69

Atrazine

Concen: 10.519 ng

RT: 16.695 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

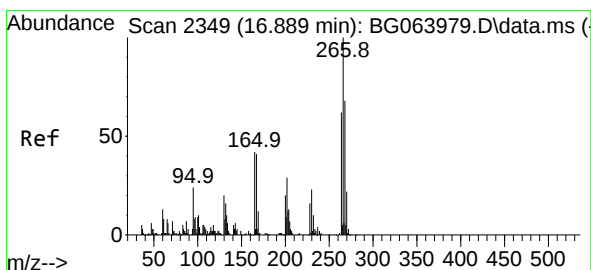
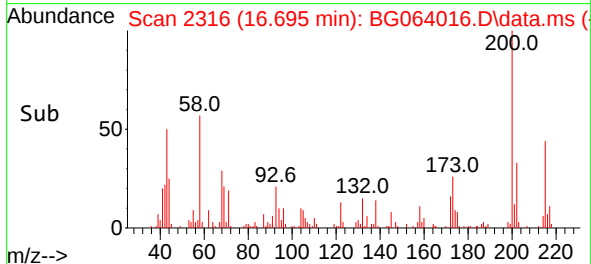
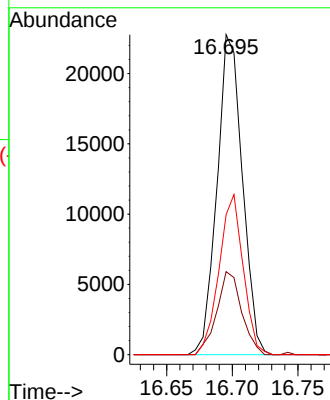
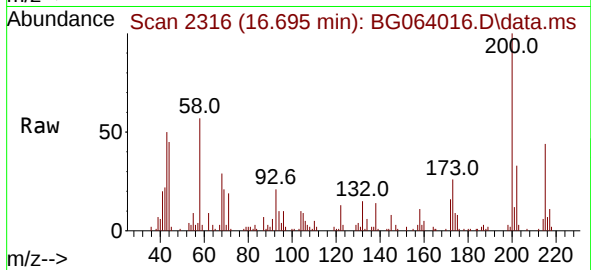
Tgt Ion:200 Resp: 30552

Ion Ratio Lower Upper

200 100

173 25.9 3.8 43.8

215 43.7 26.6 66.6



#70

Pentachlorophenol

Concen: 14.074 ng

RT: 16.883 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

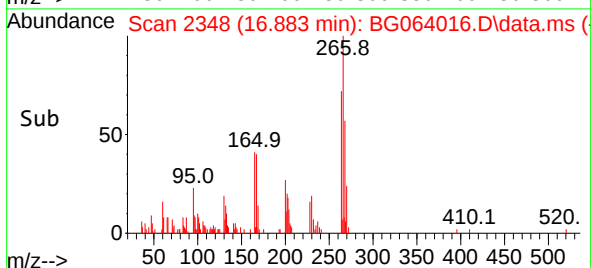
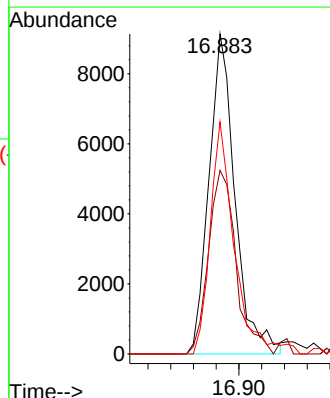
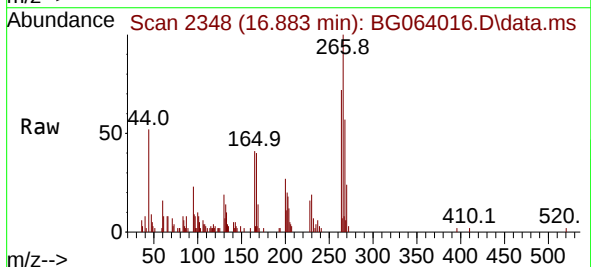
Tgt Ion:266 Resp: 14538

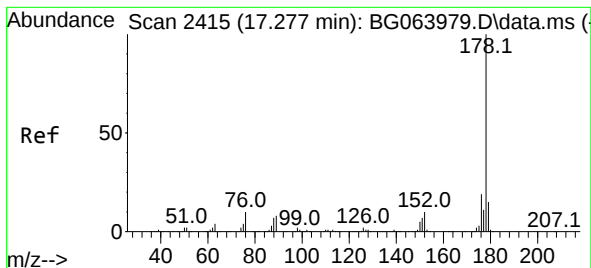
Ion Ratio Lower Upper

266 100

268 63.8 54.8 82.2

264 72.5 50.0 75.0





#71

Phenanthrene

Concen: 10.042 ng

RT: 17.277 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

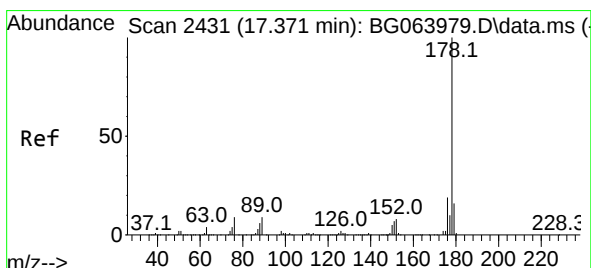
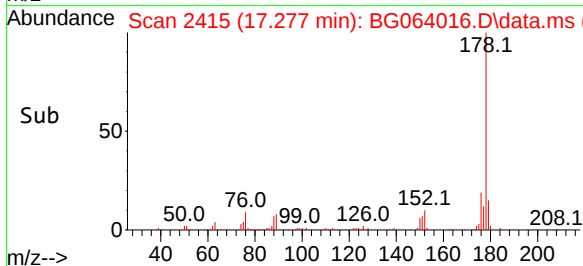
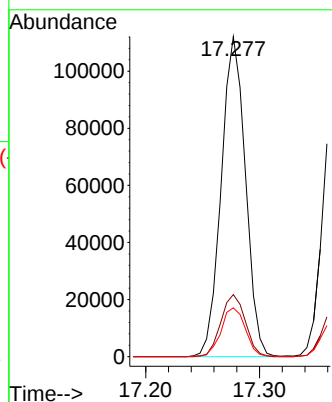
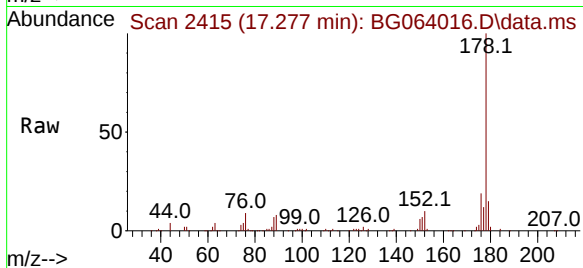
Tgt Ion:178 Resp: 166027

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.2 12.2 18.4



#72

Anthracene

Concen: 9.872 ng

RT: 17.365 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

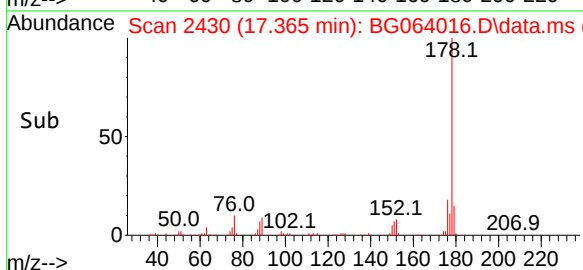
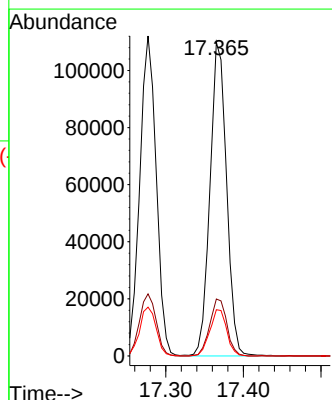
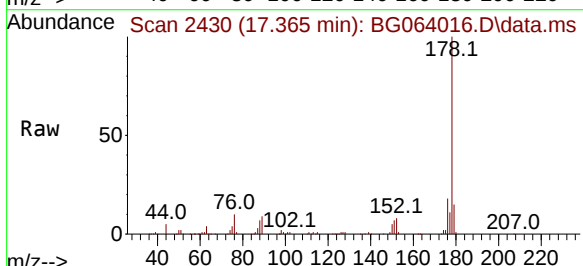
Tgt Ion:178 Resp: 163329

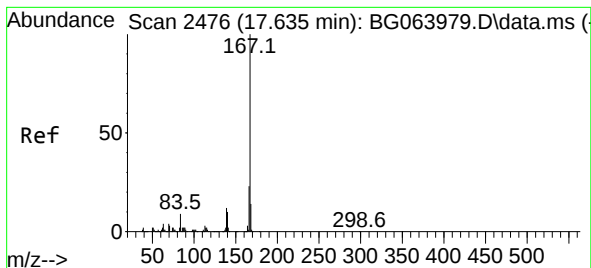
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 14.8 12.8 19.2





#73

Carbazole

Concen: 9.931 ng

RT: 17.630 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

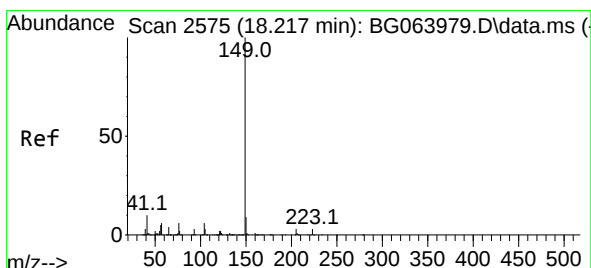
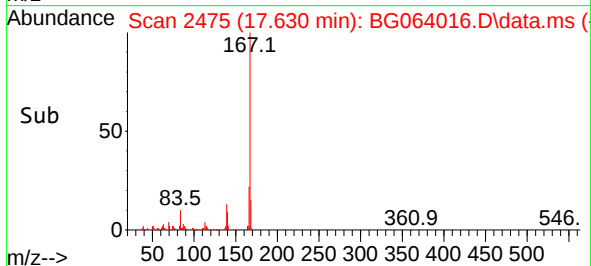
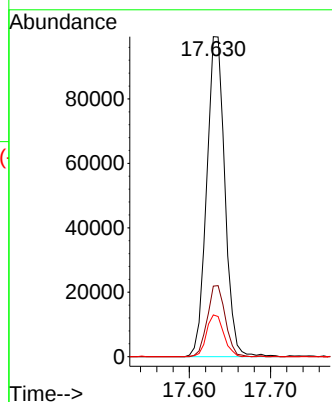
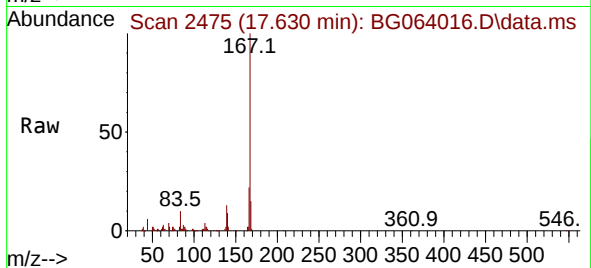
Tgt Ion:167 Resp: 153803

Ion Ratio Lower Upper

167 100

166 22.1 18.6 28.0

139 13.0 9.8 14.8



#74

Di-n-butylphthalate

Concen: 10.346 ng

RT: 18.211 min Scan# 2574

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

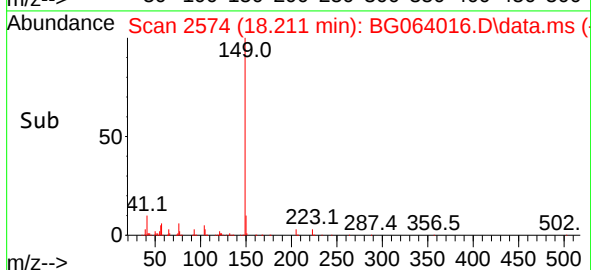
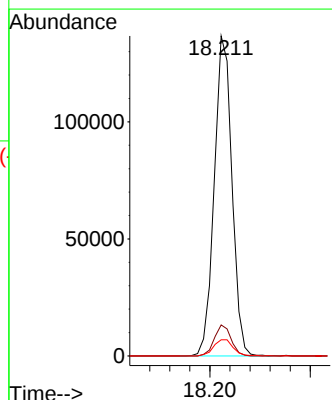
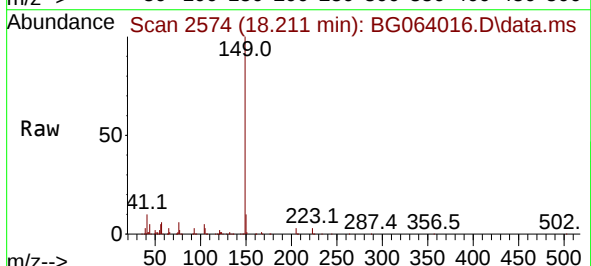
Tgt Ion:149 Resp: 167025

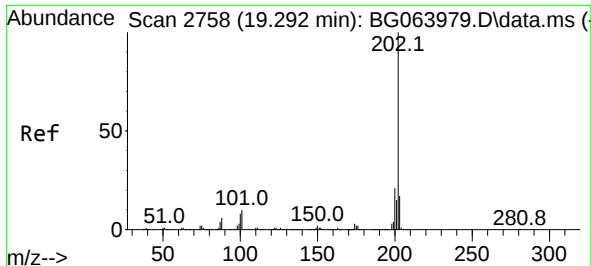
Ion Ratio Lower Upper

149 100

150 9.7 7.4 11.0

104 5.0 4.6 6.8

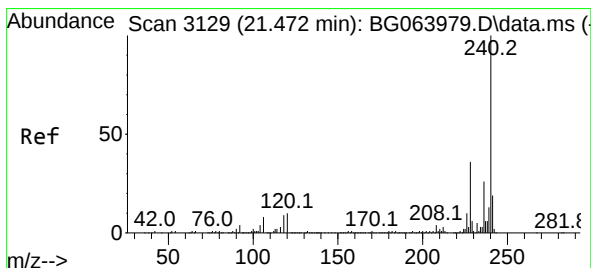
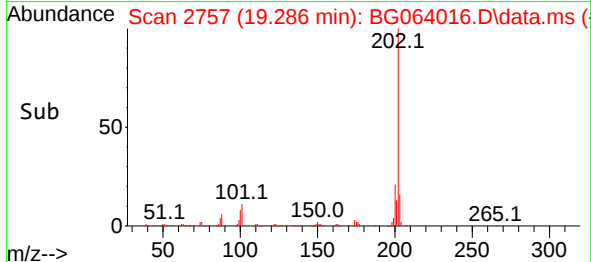
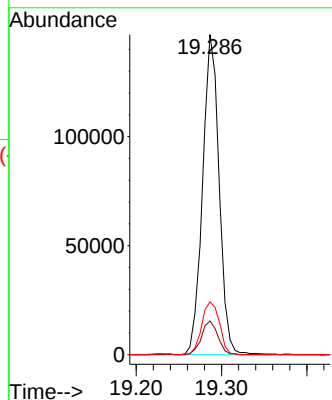
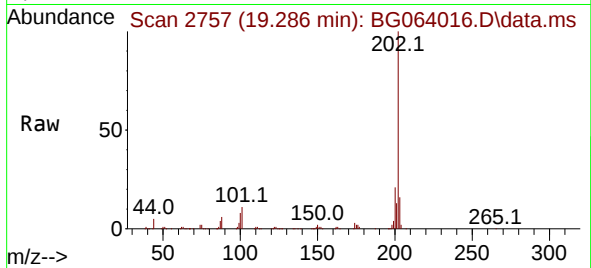




#75
Fluoranthene
Concen: 9.815 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

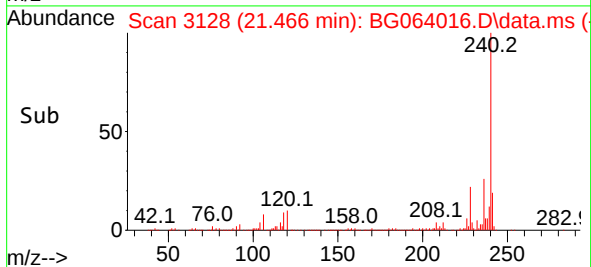
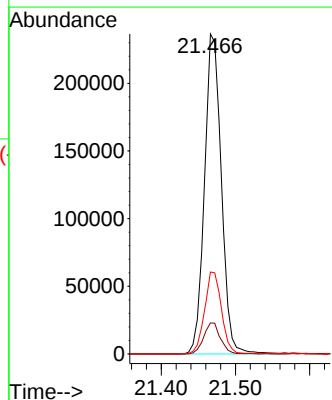
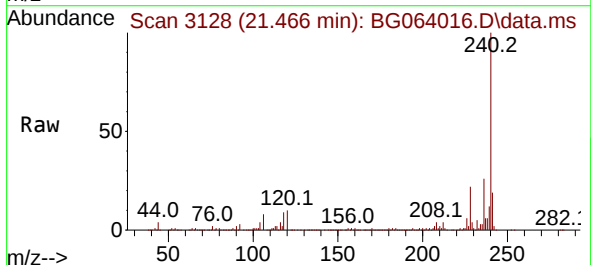
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

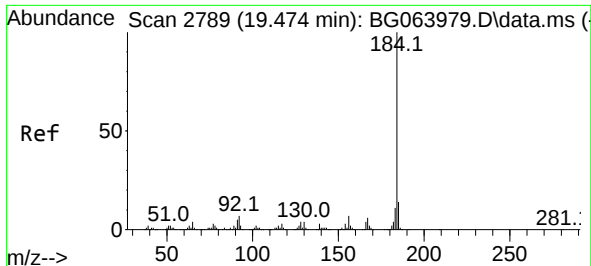
Tgt Ion:202 Resp: 197597
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.4
203 16.5 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:240 Resp: 374106
Ion Ratio Lower Upper
240 100
120 9.7 7.9 11.9
236 25.6 21.0 31.6

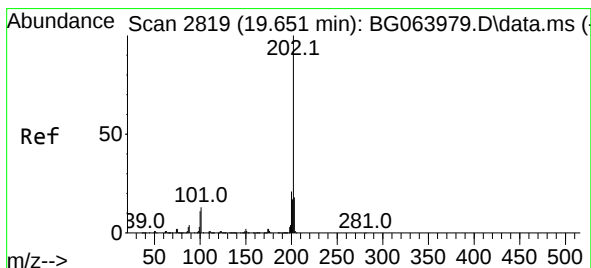
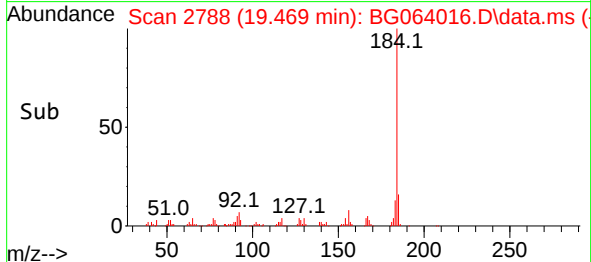
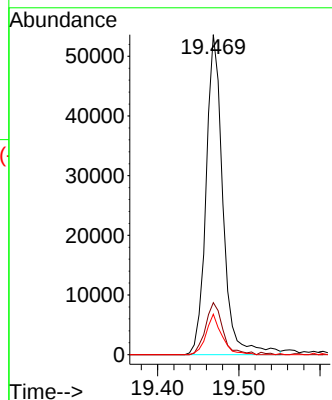
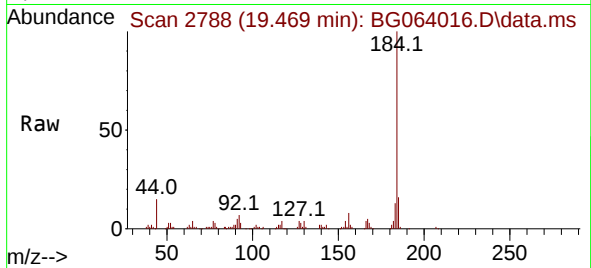




#77
Benzidine
Concen: 9.686 ng
RT: 19.469 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

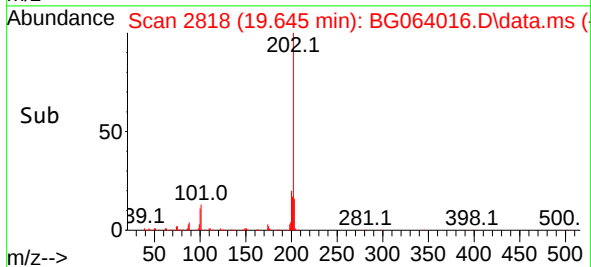
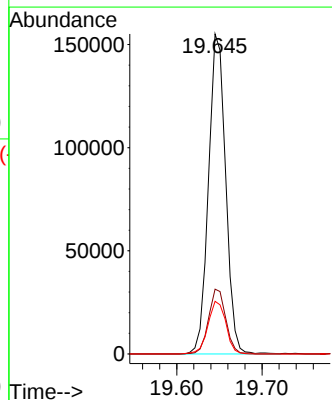
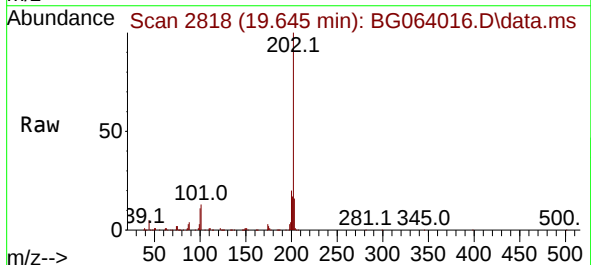
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

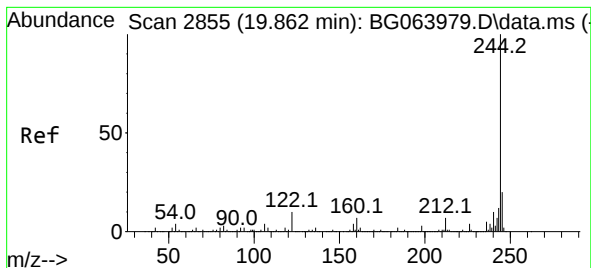
Tgt Ion:184 Resp: 77164
Ion Ratio Lower Upper
184 100
185 16.2 11.2 16.8
183 12.7 8.7 13.1



#78
Pyrene
Concen: 9.371 ng
RT: 19.645 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:202 Resp: 216416
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 16.5 14.5 21.7





#79

Terphenyl-d14

Concen: 94.274 ng

RT: 19.862 min Scan# 2855

Delta R.T. -0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

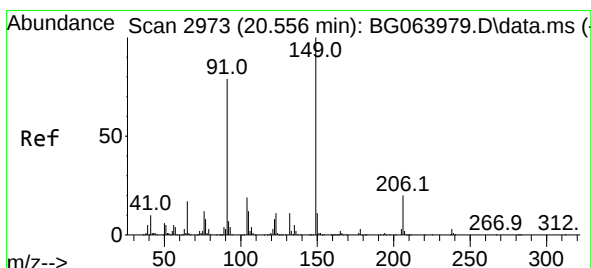
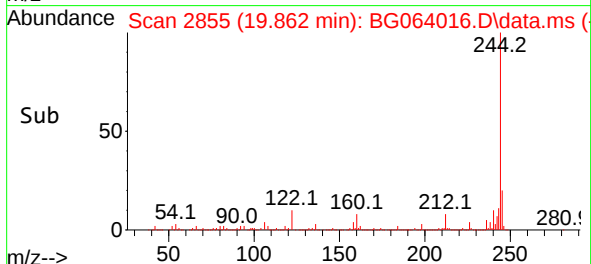
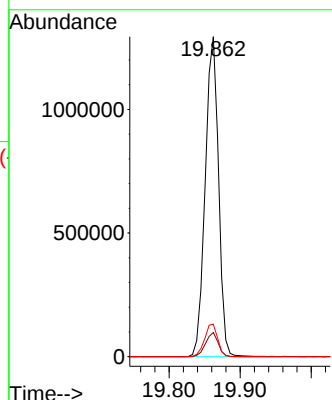
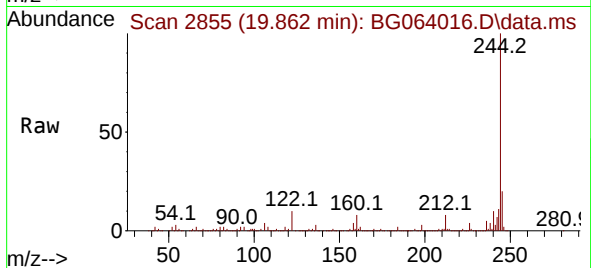
Tgt Ion:244 Resp: 1688722

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 10.2 7.7 11.5



#80

Butylbenzylphthalate

Concen: 13.308 ng

RT: 20.556 min Scan# 2973

Delta R.T. -0.000 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

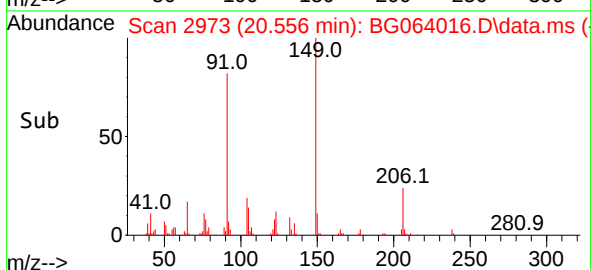
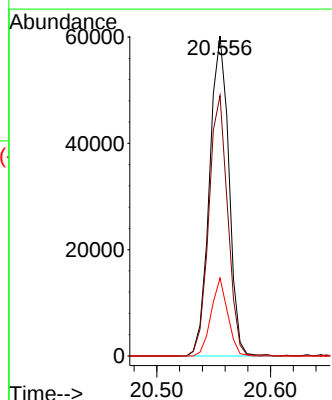
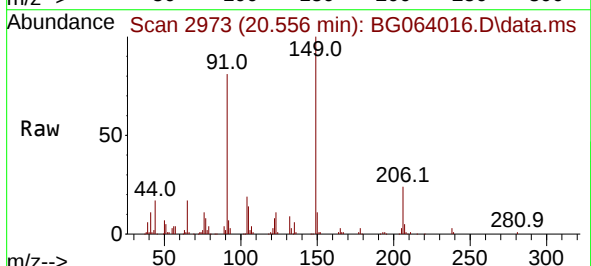
Tgt Ion:149 Resp: 70699

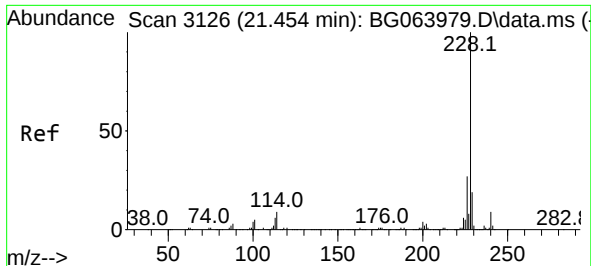
Ion Ratio Lower Upper

149 100

91 81.4 63.0 94.6

206 24.3 15.8 23.6#

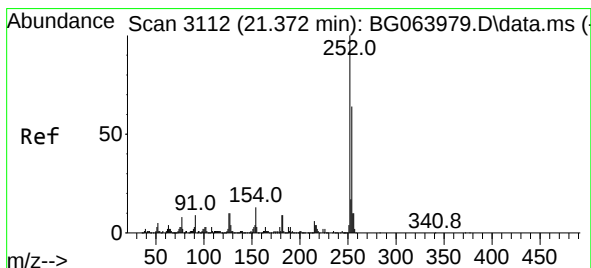
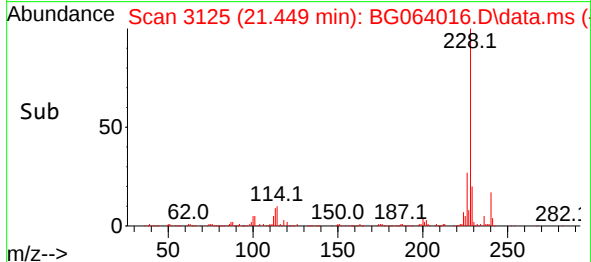
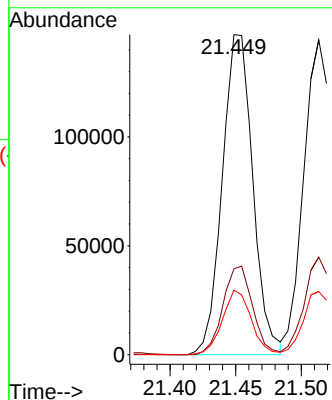
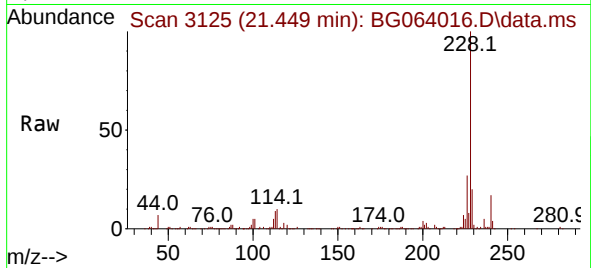




#81
Benzo(a)anthracene
Concen: 10.024 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

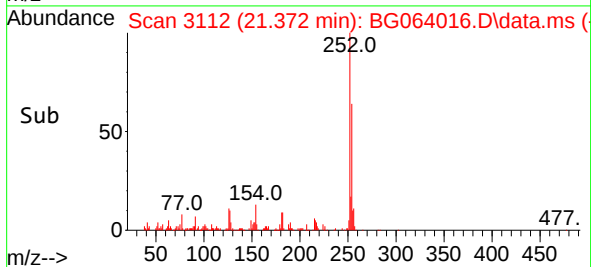
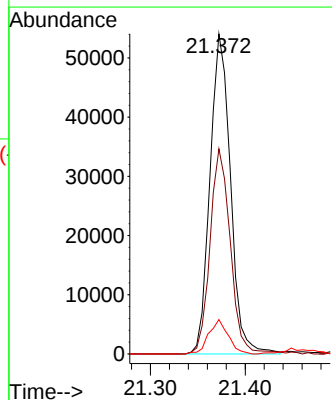
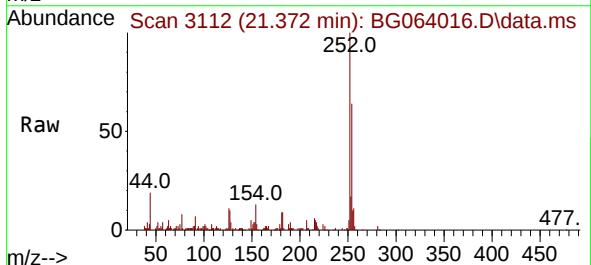
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

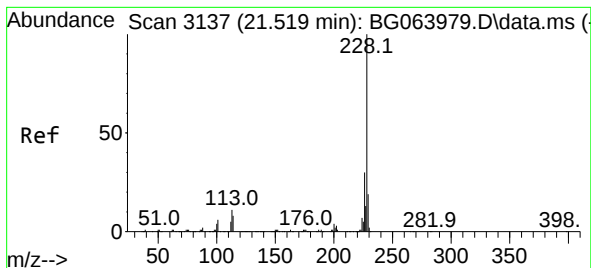
Tgt Ion:228 Resp: 238092
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.6
229 20.1 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 10.967 ng
RT: 21.372 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:252 Resp: 81123
Ion Ratio Lower Upper
252 100
254 64.1 50.8 76.2
126 10.8 8.2 12.2





#83

Chrysene

Concen: 9.680 ng

RT: 21.513 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

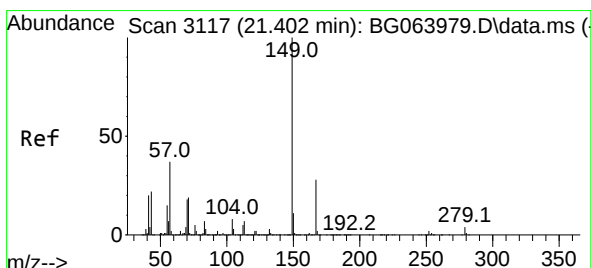
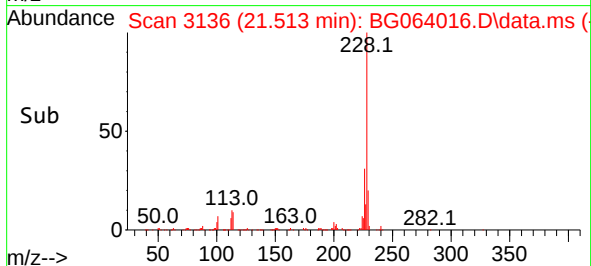
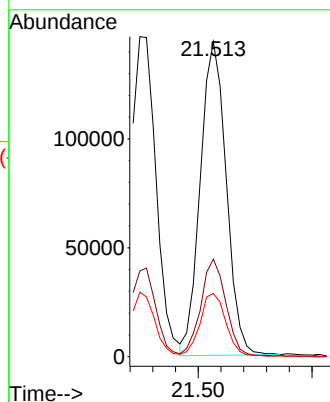
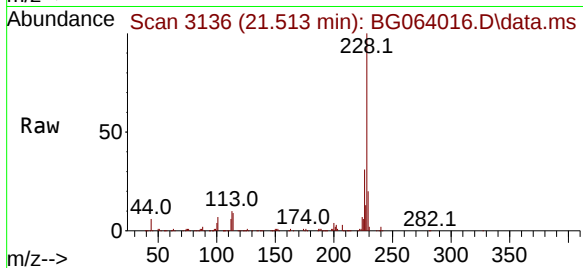
Tgt Ion:228 Resp: 228803

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 20.1 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.862 ng

RT: 21.396 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

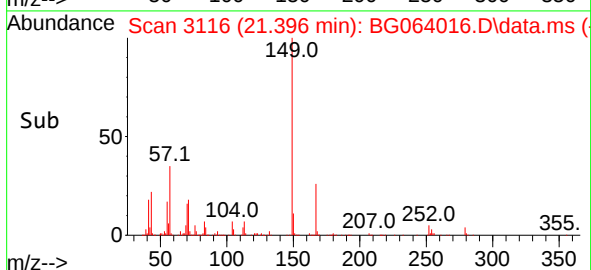
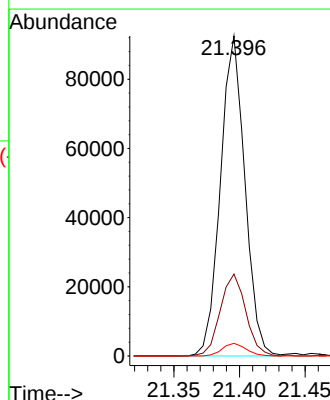
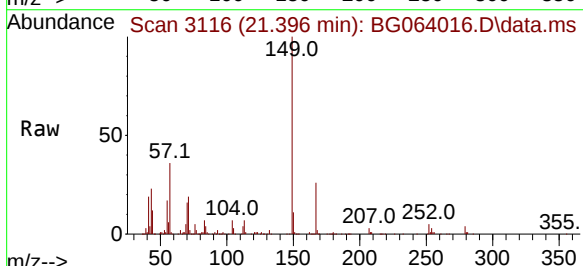
Tgt Ion:149 Resp: 119690

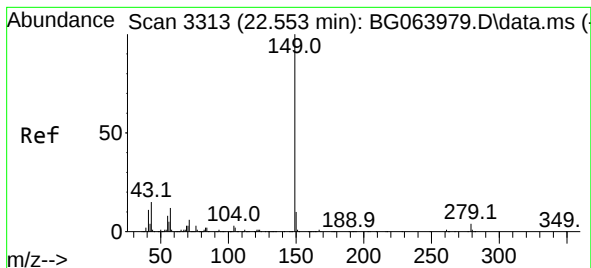
Ion Ratio Lower Upper

149 100

167 25.6 22.5 33.7

279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 14.722 ng

RT: 22.547 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

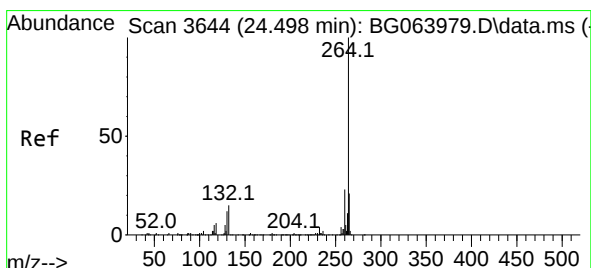
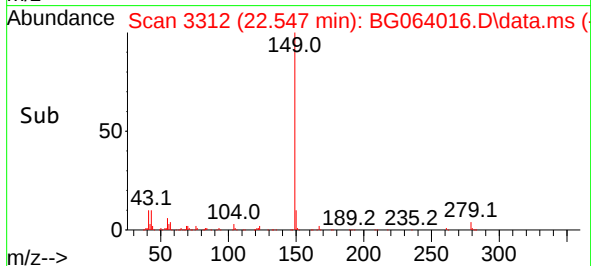
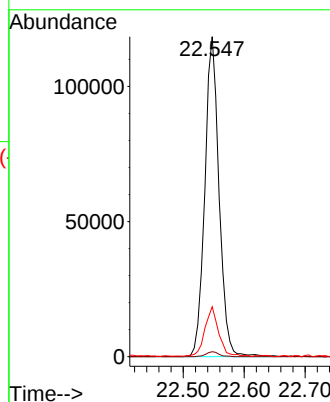
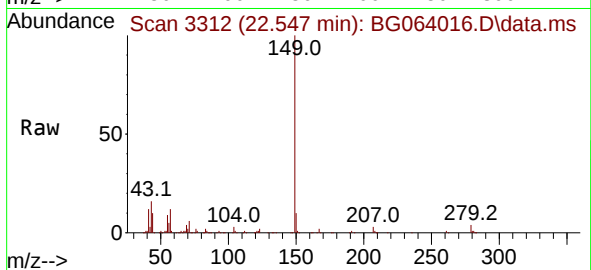
Tgt Ion:149 Resp: 192511

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

43 15.5 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: BG064016.D

Acq: 6 Feb 2025 14:06

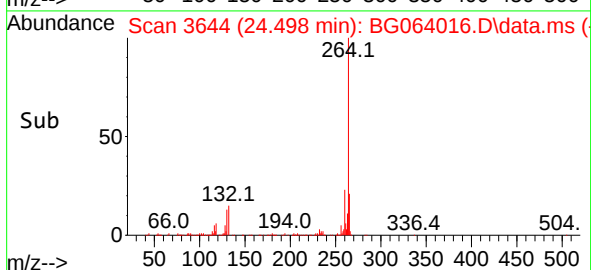
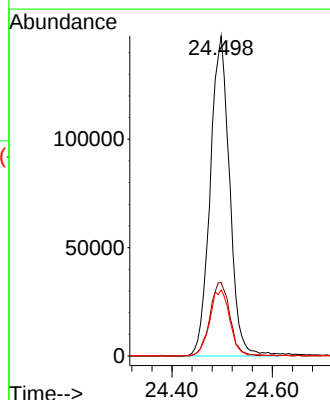
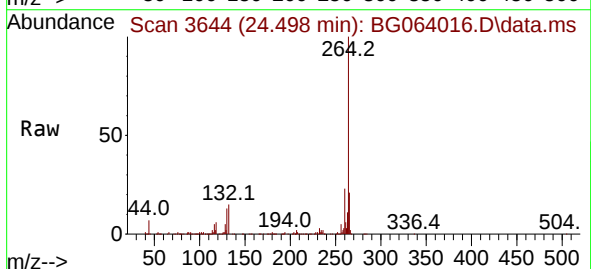
Tgt Ion:264 Resp: 396507

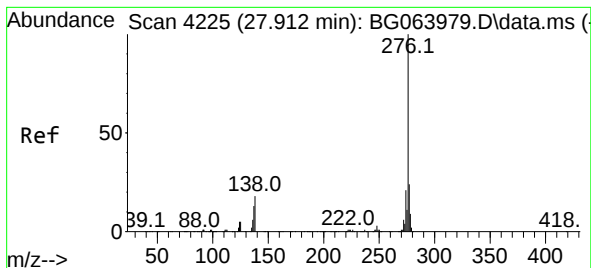
Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

265 20.7 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.045 ng

RT: 27.894 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

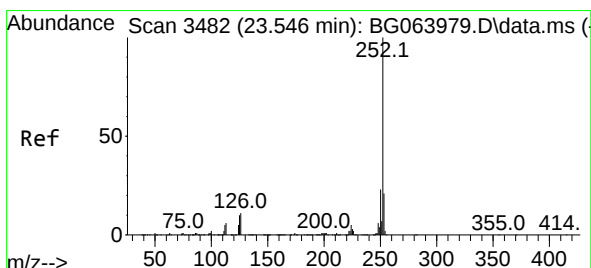
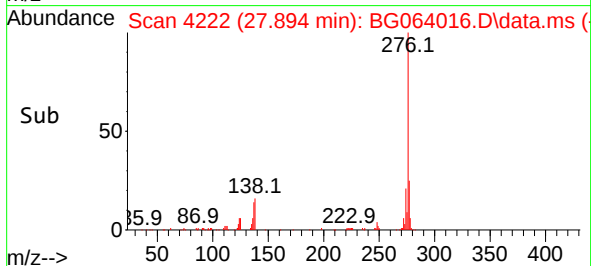
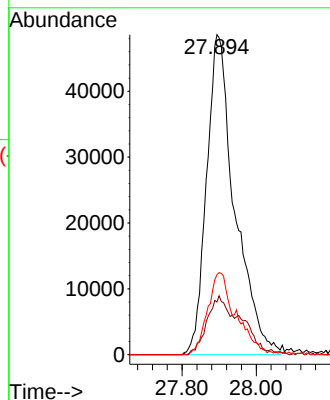
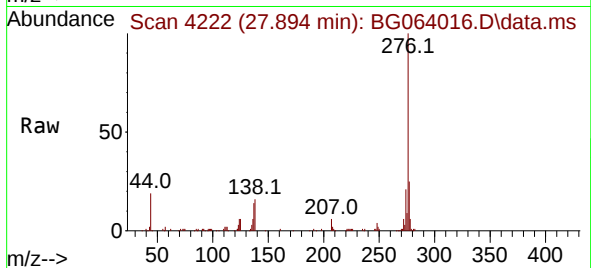
Tgt Ion:276 Resp: 256951

Ion Ratio Lower Upper

276 100

138 14.8 10.7 16.1

277 25.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.555 ng

RT: 23.540 min Scan# 3481

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

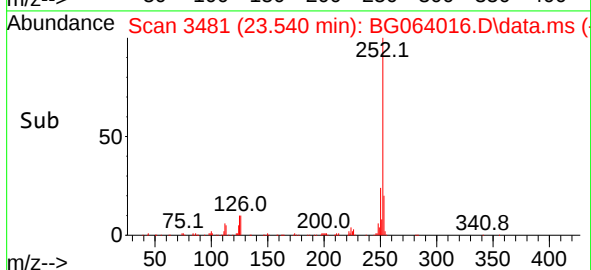
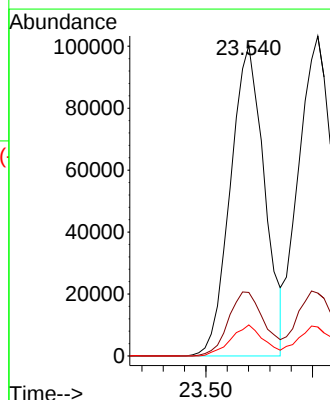
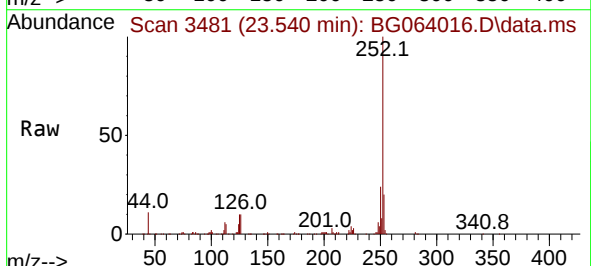
Tgt Ion:252 Resp: 223090

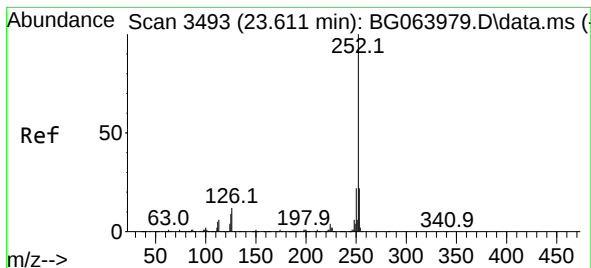
Ion Ratio Lower Upper

252 100

253 20.4 16.9 25.3

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 9.795 ng

RT: 23.605 min Scan# 34

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

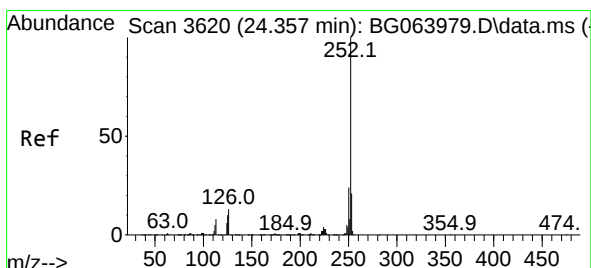
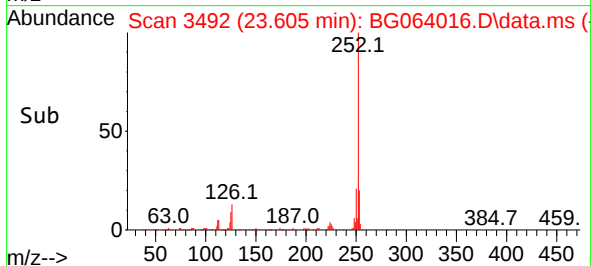
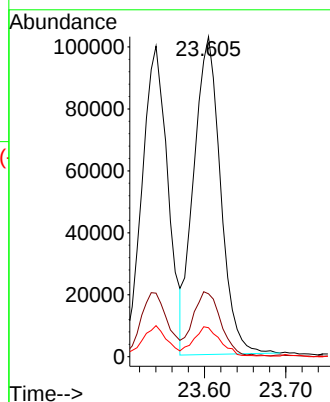
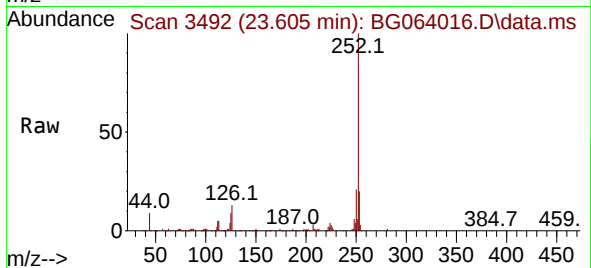
Tgt Ion:252 Resp: 234835

Ion Ratio Lower Upper

252 100

253 19.7 17.7 26.5

125 9.1 7.5 11.3



#90

Benzo(a)pyrene

Concen: 10.125 ng

RT: 24.351 min Scan# 3619

Delta R.T. -0.006 min

Lab File: BG064016.D

Acq: 6 Feb 2025 14:06

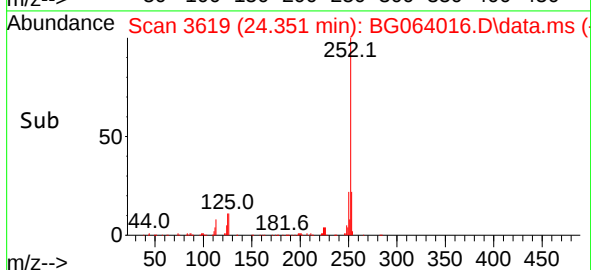
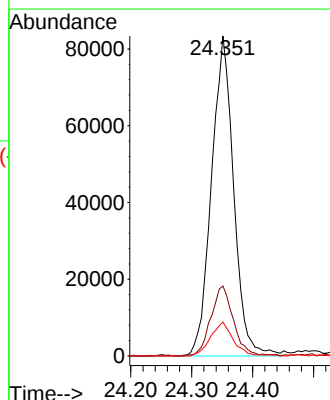
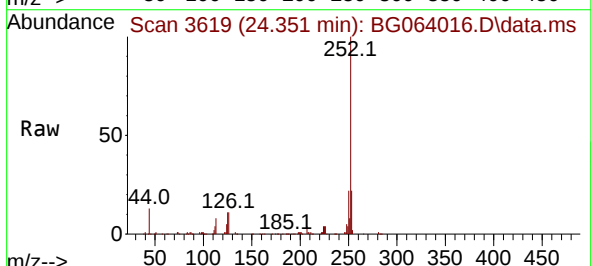
Tgt Ion:252 Resp: 211012

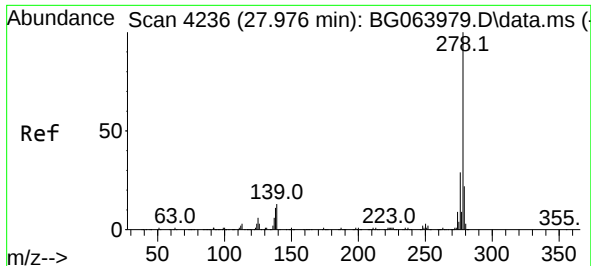
Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 10.6 7.9 11.9

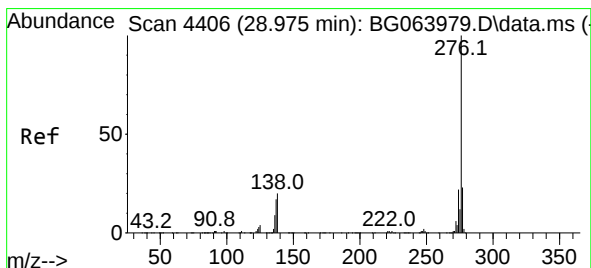
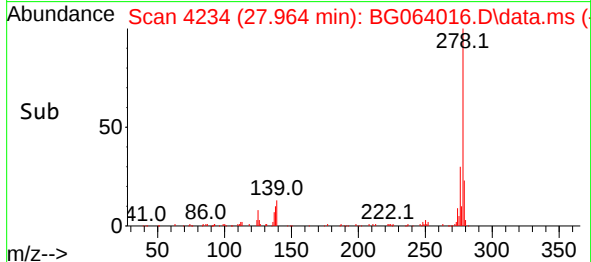
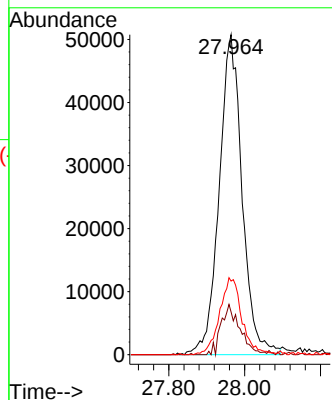
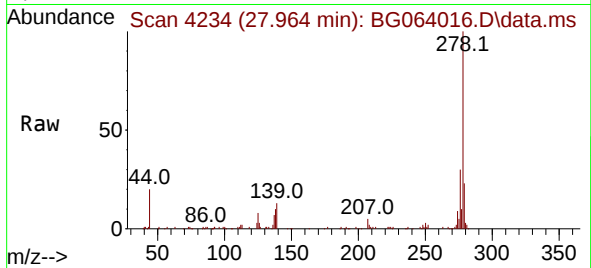




#91
Dibenzo(a,h)anthracene
Concen: 9.887 ng
RT: 27.964 min Scan# 41
Delta R.T. -0.012 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:278 Resp: 213564
Ion Ratio Lower Upper
278 100
139 13.4 10.8 16.2
279 23.0 17.8 26.6



#92
Benzo(g,h,i)perylene
Concen: 9.382 ng m
RT: 28.957 min Scan# 4403
Delta R.T. -0.018 min
Lab File: BG064016.D
Acq: 6 Feb 2025 14:06

Tgt Ion:276 Resp: 204583
Ion Ratio Lower Upper
276 100
277 23.0 18.2 27.4
138 16.0 15.8 23.6

