

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
 Data File : BG064015.D
 Acq On : 6 Feb 2025 13:28
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 06 14:09:41 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	7.874	152	62786	20.000	ng	0.00
21) Naphthalene-d8	10.659	136	259165	20.000	ng	0.00
39) Acenaphthene-d10	14.495	164	172846	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	396729	20.000	ng	0.00
76) Chrysene-d12	21.470	240	428033	20.000	ng	0.00
86) Perylene-d12	24.495	264	453324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.459	112	510807	130.441	ng	0.00
7) Phenol-d6	7.033	99	690004	128.396	ng	0.00
23) Nitrobenzene-d5	9.025	82	476234	111.679	ng	0.00
42) 2,4,6-Tribromophenol	15.982	330	254432	127.713	ng	0.00
45) 2-Fluorobiphenyl	13.126	172	1048186	92.913	ng	0.00
79) Terphenyl-d14	19.860	244	1860320	90.769	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.397	88	8911	4.791	ng	97
3) Pyridine	3.790	79	19598	3.902	ng	96
4) n-Nitrosodimethylamine	3.702	42	13360	4.627	ng	# 82
6) Aniline	7.198	93	26547	4.610	ng	100
8) 2-Chlorophenol	7.439	128	19442	4.872	ng	96
9) Benzaldehyde	7.016	77	19677	6.707	ng	95
10) Phenol	7.063	94	25885	4.576	ng	92
11) bis(2-Chloroethyl)ether	7.298	93	20593	4.521	ng	95
12) 1,3-Dichlorobenzene	7.768	146	22147	4.664	ng	94
13) 1,4-Dichlorobenzene	7.909	146	21607	4.506	ng	96
14) 1,2-Dichlorobenzene	8.226	146	21286	4.631	ng	96
15) Benzyl Alcohol	8.109	79	17608	4.384	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.397	45	44766	4.880	ng	98
17) 2-Methylphenol	8.308	107	15563	4.254	ng	91
18) Hexachloroethane	8.955	117	7685	4.869	ng	# 81
19) n-Nitroso-di-n-propyla...	8.673	70	15785	4.242	ng	# 95
20) 3+4-Methylphenols	8.632	107	21311	4.372	ng	94
22) Acetophenone	8.690	105	32031	4.498	ng	# 93
24) Nitrobenzene	9.066	77	24560	8.411	ng	97
25) Isophorone	9.589	82	43665	4.724	ng	96
26) 2-Nitrophenol	9.771	139	5612	9.901	ng	# 91
27) 2,4-Dimethylphenol	9.830	122	6523	2.453	ng	# 72
28) bis(2-Chloroethoxy)met...	10.071	93	25828	4.391	ng	97
29) 2,4-Dichlorophenol	10.306	162	14352	7.425	ng	96
30) 1,2,4-Trichlorobenzene	10.524	180	20086	4.598	ng	94
31) Naphthalene	10.712	128	61220	4.406	ng	96
32) Benzoic acid	9.901	122	1885	6.895	ng	87
33) 4-Chloroaniline	10.811	127	23069	4.333	ng	97
34) Hexachlorobutadiene	11.005	225	12822	4.609	ng	94
35) Caprolactam	11.546	113	5002	8.589	ng	# 82
36) 4-Chloro-3-methylphenol	11.928	107	19855	4.665	ng	97
37) 2-Methylnaphthalene	12.321	142	42552	4.395	ng	95
38) 1-Methylnaphthalene	12.539	142	40336	4.210	ng	96
40) 1,2,4,5-Tetrachloroben...	12.686	216	22294	4.374	ng	95
41) Hexachlorocyclopentadiene	12.674	237	4494	3.484	ng	96
43) 2,4,6-Trichlorophenol	12.921	196	10825	8.142	ng	90

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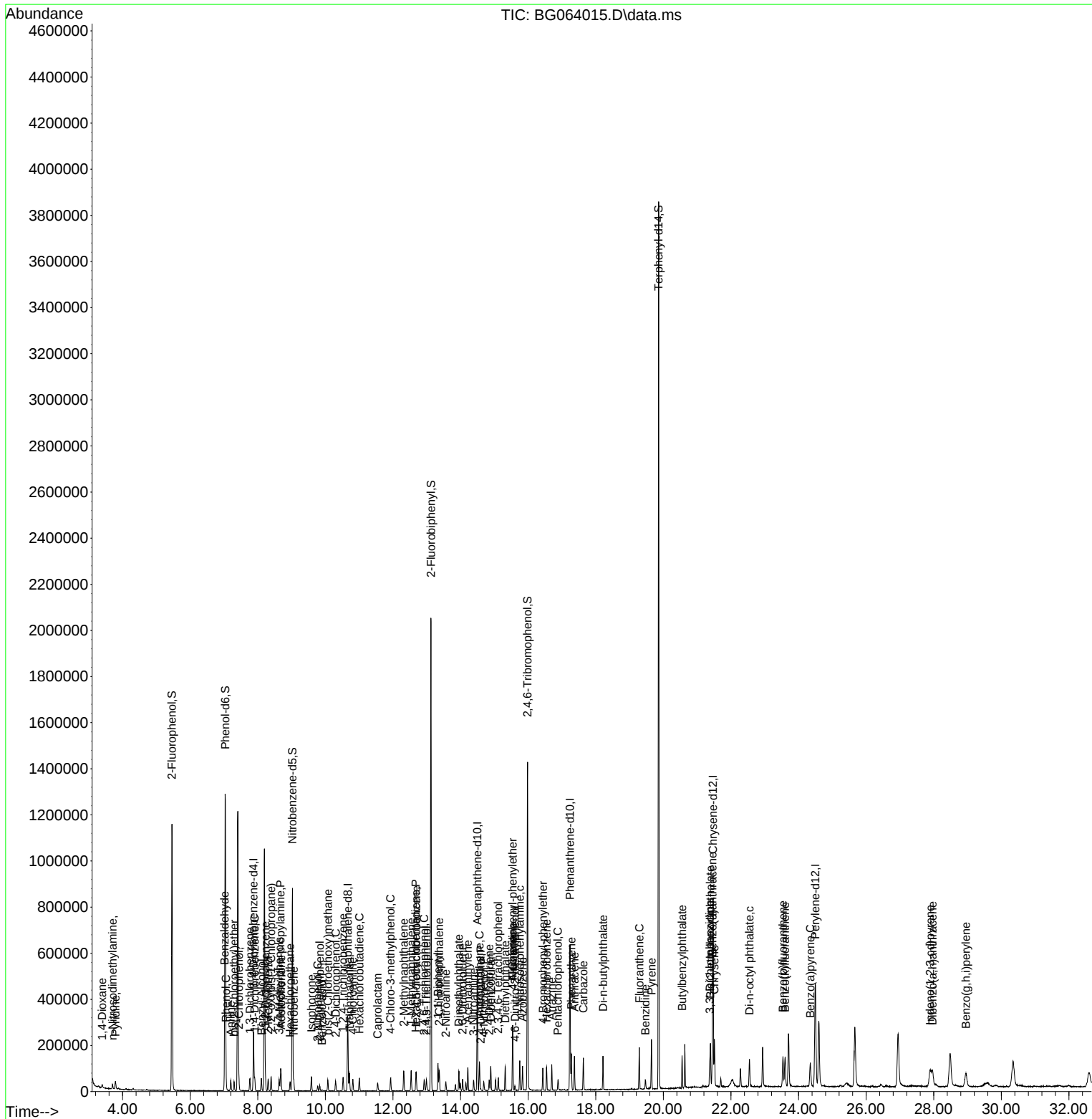
Quant Time: Feb 06 14:09:41 2025
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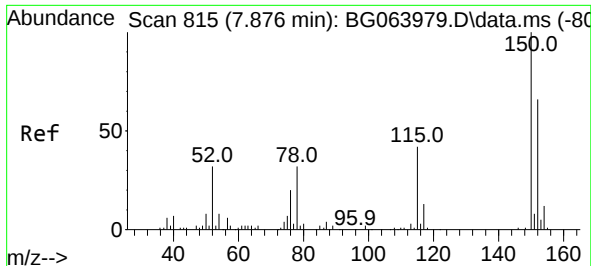
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.991	196	13180	7.529	ng	91
46) 1,1'-Biphenyl	13.332	154	60392	4.589	ng	98
47) 2-Chloronaphthalene	13.367	162	44246	4.613	ng	97
48) 2-Nitroaniline	13.561	65	10178	8.668	ng	88
49) Acenaphthylene	14.213	152	67643	4.540	ng	95
50) Dimethylphthalate	13.949	163	50026	4.365	ng	99
51) 2,6-Dinitrotoluene	14.061	165	8328	8.400	ng	# 80
52) Acenaphthene	14.560	154	44262	4.429	ng	96
53) 3-Nitroaniline	14.384	138	9016	8.489	ng	# 86
54) 2,4-Dinitrophenol	14.595	184	1678	7.348	ng	# 72
55) Dibenzofuran	14.895	168	68837	4.242	ng	99
56) 4-Nitrophenol	14.689	139	7464	11.447	ng	96
57) 2,4-Dinitrotoluene	14.848	165	11014	8.938	ng	# 89
58) Fluorene	15.541	166	55521	4.427	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.112	232	12254	8.568	ng	# 97
60) Diethylphthalate	15.324	149	56294	4.633	ng	99
61) 4-Chlorophenyl-phenyle...	15.541	204	28414	4.515	ng	90
62) 4-Nitroaniline	15.547	138	9440	7.131	ng	95
63) Azobenzene	15.835	77	59834	4.169	ng	99
65) 4,6-Dinitro-2-methylph...	15.612	198	3317	7.815	ng	90
66) n-Nitrosodiphenylamine	15.753	169	46290	4.208	ng	97
67) 4-Bromophenyl-phenylether	16.434	248	17828	4.515	ng	95
68) Hexachlorobenzene	16.546	284	20765	4.473	ng	95
69) Atrazine	16.699	200	16873	4.609	ng	94
70) Pentachlorophenol	16.881	266	9515	11.486	ng	# 86
71) Phenanthrene	17.280	178	94854	4.552	ng	98
72) Anthracene	17.368	178	89836	4.309	ng	97
73) Carbazole	17.633	167	84700	4.340	ng	97
74) Di-n-butylphthalate	18.215	149	92920	4.567	ng	100
75) Fluoranthene	19.290	202	108725	4.285	ng	98
77) Benzidine	19.466	184	24179	2.653	ng	# 93
78) Pyrene	19.648	202	130885	4.953	ng	97
80) Butylbenzylphthalate	20.553	149	35366	8.945	ng	99
81) Benzo(a)anthracene	21.452	228	126694	4.662	ng	98
82) 3,3'-Dichlorobenzidine	21.375	252	38113	4.503	ng	99
83) Chrysene	21.511	228	122624	4.534	ng	98
84) Bis(2-ethylhexyl)phtha...	21.393	149	59599	8.121	ng	94
85) Di-n-octyl phthalate	22.545	149	94474	10.279	ng	98
87) Indeno(1,2,3-cd)pyrene	27.897	276	135159	4.622	ng	94
88) Benzo(b)fluoranthene	23.538	252	118717	4.447	ng	97
89) Benzo(k)fluoranthene	23.602	252	122043	4.453	ng	98
90) Benzo(a)pyrene	24.348	252	108911	4.571	ng	96
91) Dibenzo(a,h)anthracene	27.968	278	110275	4.466	ng	# 95
92) Benzo(g,h,i)perylene	28.955	276	107022	4.293	ng	95

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

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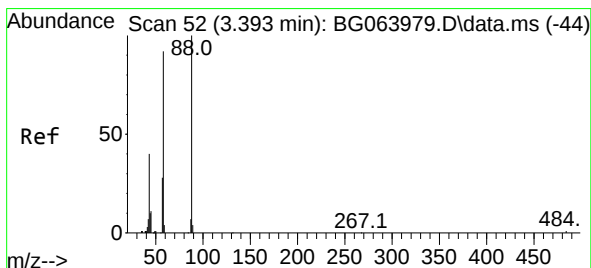
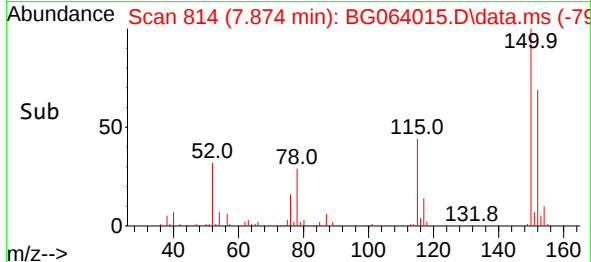
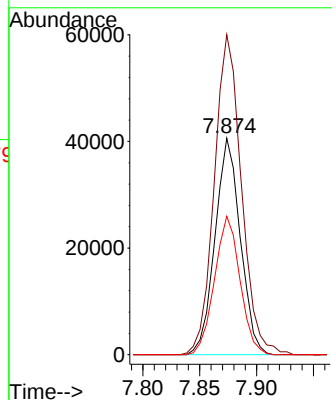
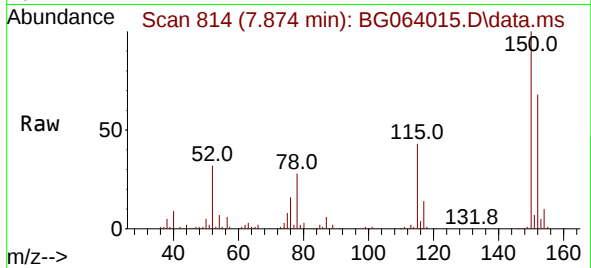




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.874 min Scan# 815
 Delta R.T. -0.002 min
 Lab File: BG064015.D
 Acq: 6 Feb 2025 13:28

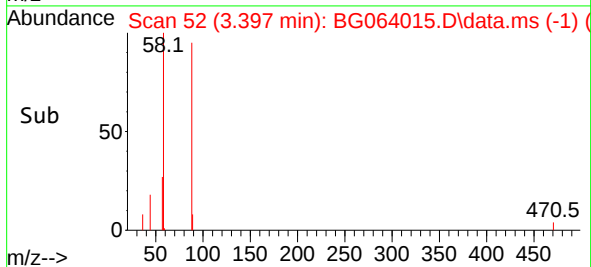
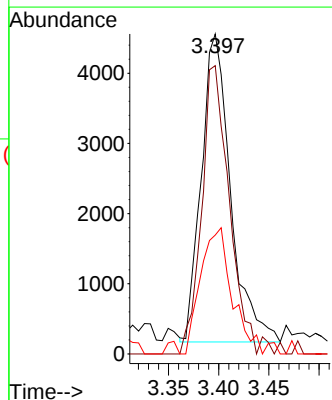
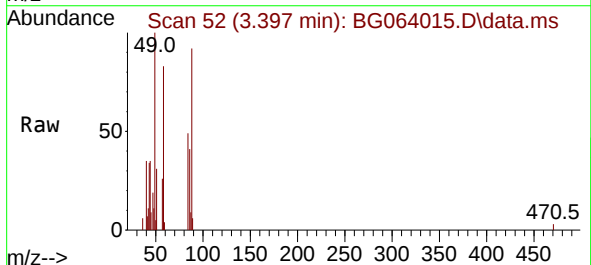
Instrument :
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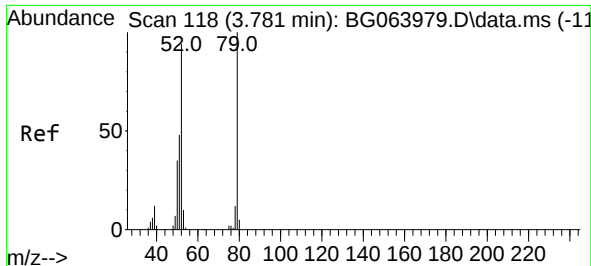
Tgt Ion:152 Resp: 62786
 Ion Ratio Lower Upper
 152 100
 150 147.8 121.0 181.6
 115 63.9 50.4 75.6



#2
 1,4-Dioxane
 Concen: 4.791 ng
 RT: 3.397 min Scan# 52
 Delta R.T. 0.003 min
 Lab File: BG064015.D
 Acq: 6 Feb 2025 13:28

Tgt Ion: 88 Resp: 8911
 Ion Ratio Lower Upper
 88 100
 58 89.7 71.8 107.8
 43 44.0 31.2 46.8

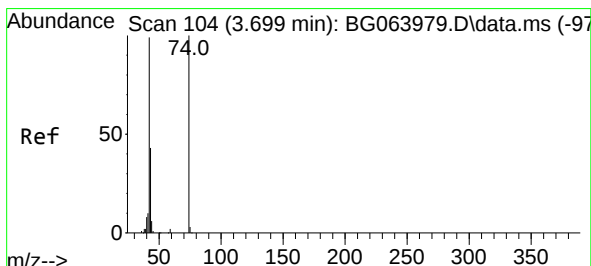
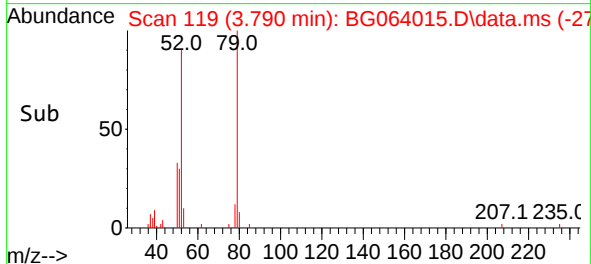
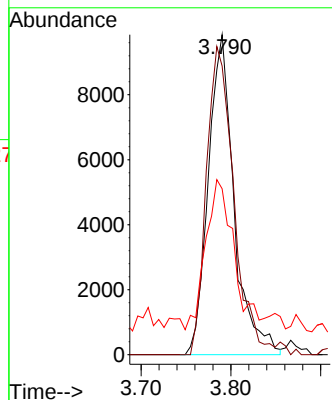
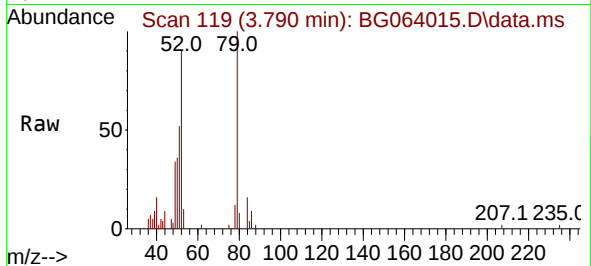




#3
Pyridine
Concen: 3.902 ng
RT: 3.790 min Scan# 118
Delta R.T. 0.009 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

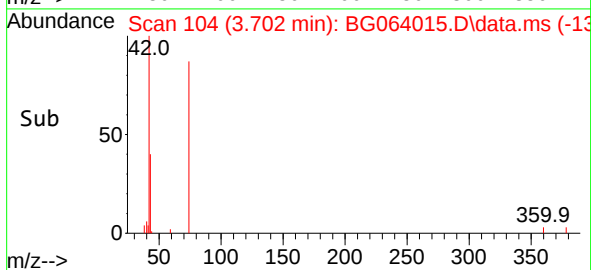
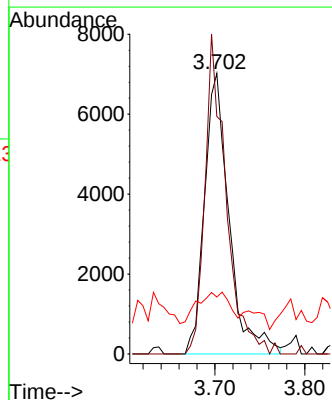
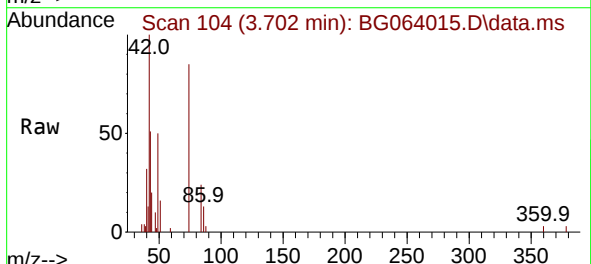
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2025

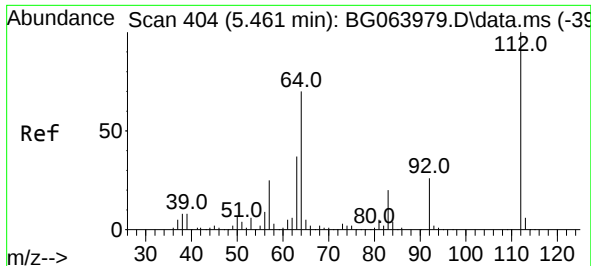
Tgt Ion: 79 Resp: 19598
Ion Ratio Lower Upper
79 100
52 90.2 75.1 112.7
51 51.8 38.9 58.3



#4
n-Nitrosodimethylamine
Concen: 4.627 ng
RT: 3.702 min Scan# 104
Delta R.T. 0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion: 42 Resp: 13360
Ion Ratio Lower Upper
42 100
74 84.7 80.8 121.2
44 20.3 5.8 8.6

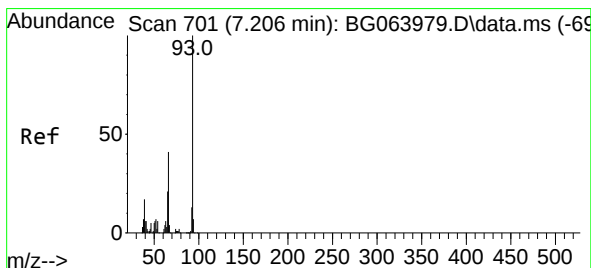
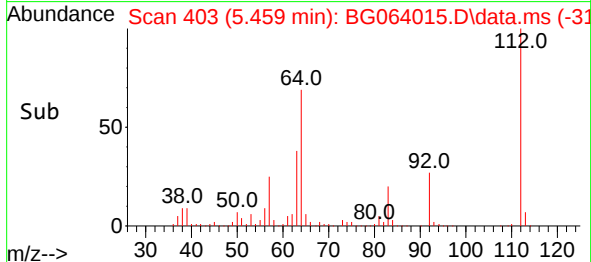
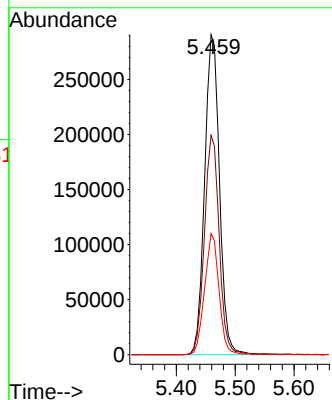
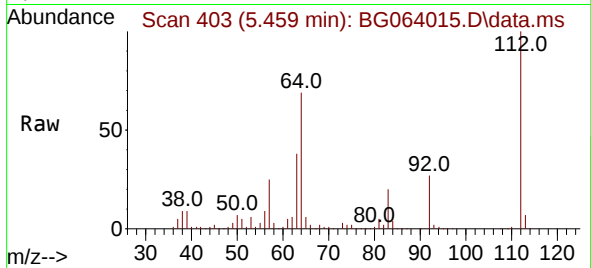




#5
2-Fluorophenol
Concen: 130.441 ng
RT: 5.459 min Scan# 404
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

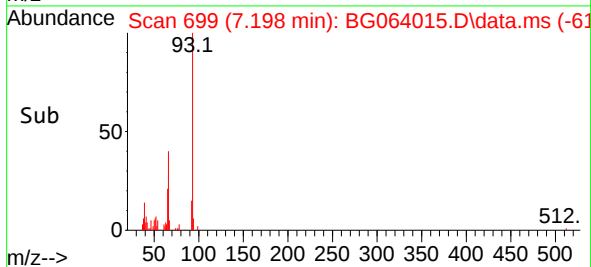
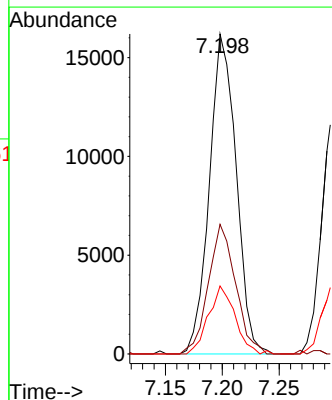
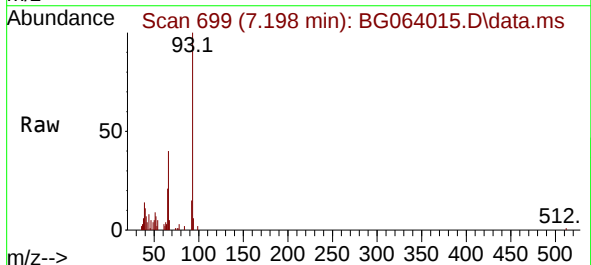
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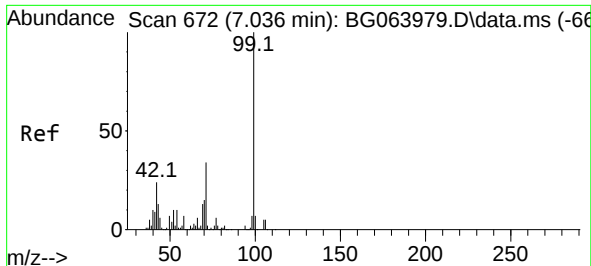
Tgt Ion:112 Resp: 510807
Ion Ratio Lower Upper
112 100
64 68.5 55.8 83.8
63 37.8 29.3 43.9



#6
Aniline
Concen: 4.610 ng
RT: 7.198 min Scan# 699
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion: 93 Resp: 26547
Ion Ratio Lower Upper
93 100
66 40.5 32.5 48.7
65 21.3 16.6 25.0

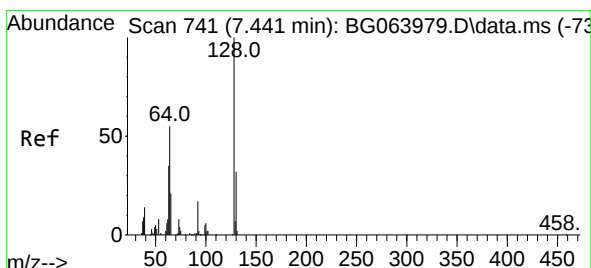
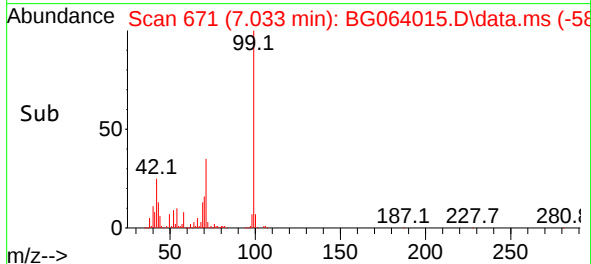
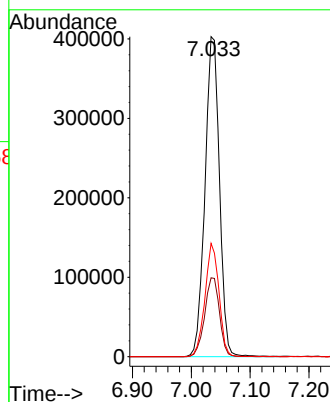
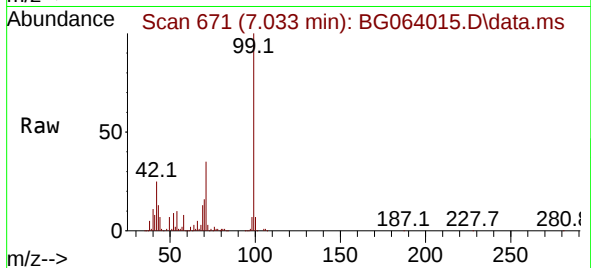




#7
Phenol-d6
Concen: 128.396 ng
RT: 7.033 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

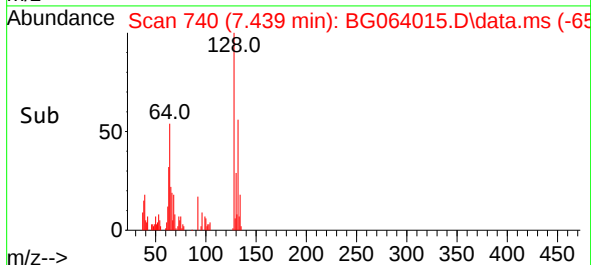
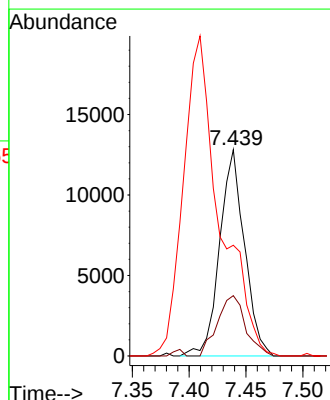
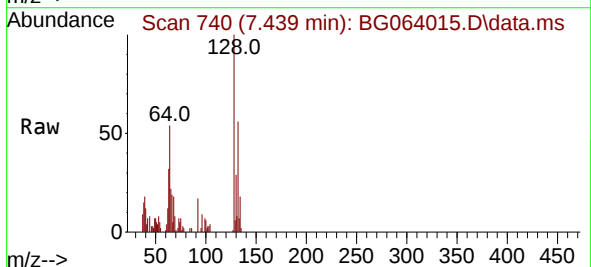
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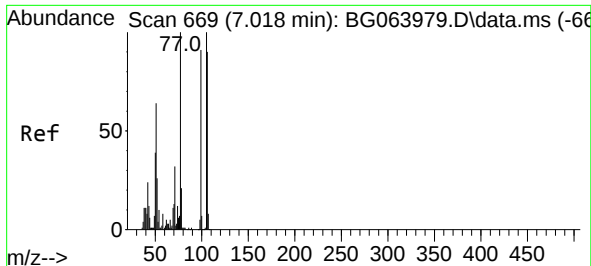
Tgt Ion: 99 Resp: 690004
Ion Ratio Lower Upper
99 100
42 24.7 18.9 28.3
71 35.4 27.0 40.6



#8
2-Chlorophenol
Concen: 4.872 ng
RT: 7.439 min Scan# 740
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion: 128 Resp: 19442
Ion Ratio Lower Upper
128 100
130 29.2 11.9 51.9
64 53.7 36.8 76.8

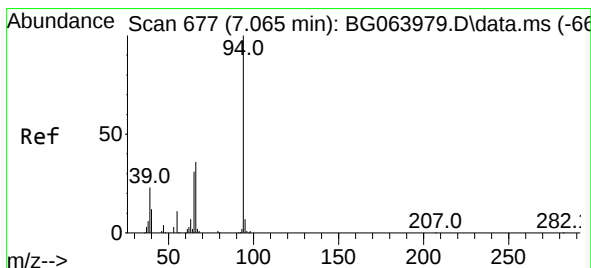
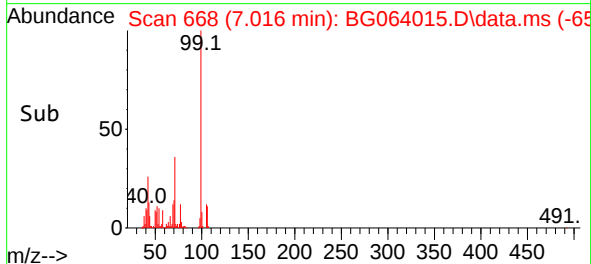
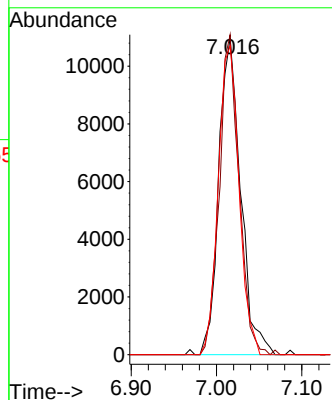
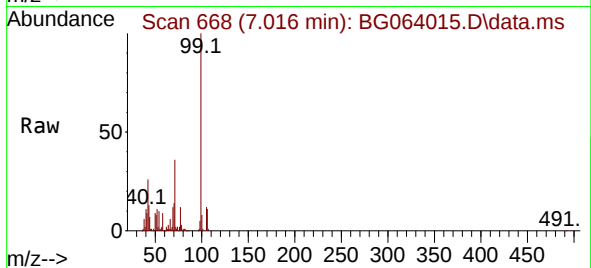




#9
Benzaldehyde
Concen: 6.707 ng
RT: 7.016 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG064015.D
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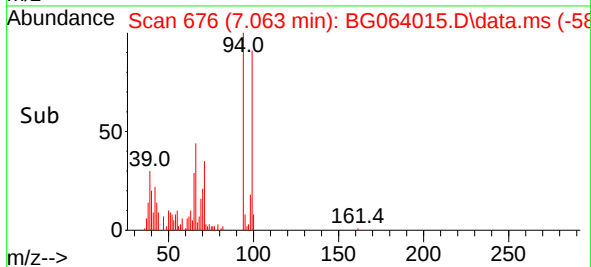
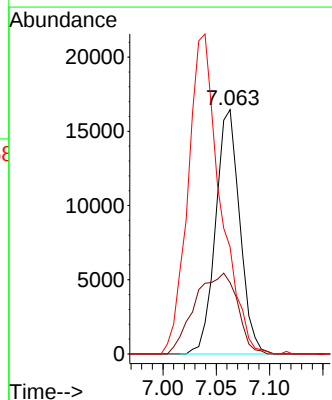
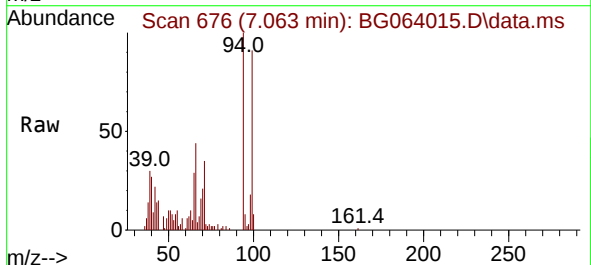
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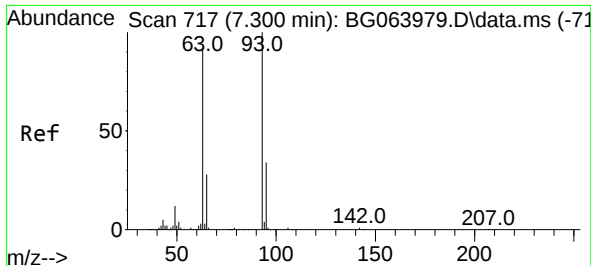
Tgt Ion: 77 Resp: 19677
Ion Ratio Lower Upper
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105 101.2 79.8 119.8
106 97.7 69.9 109.9



#10
Phenol
Concen: 4.576 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion: 94 Resp: 25885
Ion Ratio Lower Upper
94 100
65 29.1 11.4 51.4
66 43.7 16.7 56.7

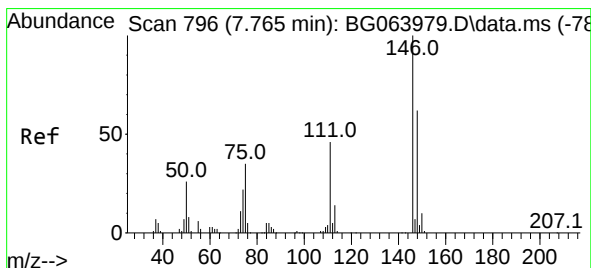
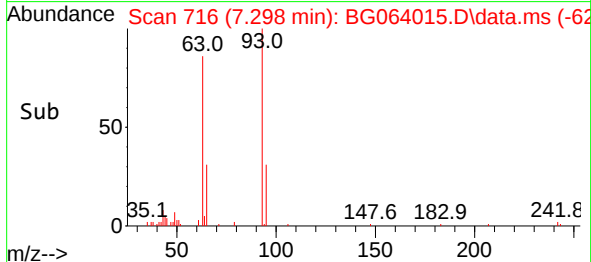
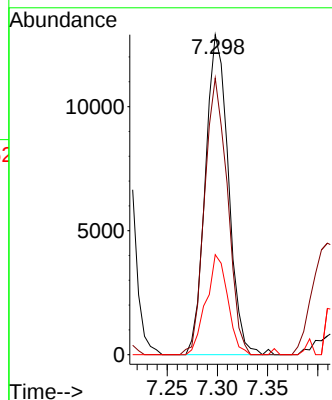
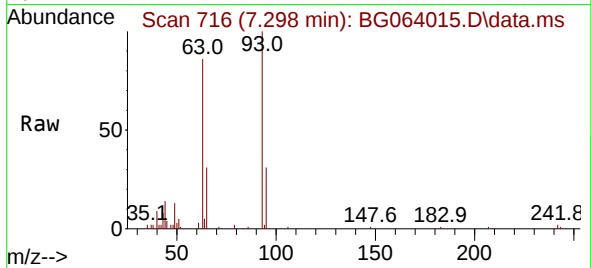




#11
bis(2-Chloroethyl)ether
Concen: 4.521 ng
RT: 7.298 min Scan# 717
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

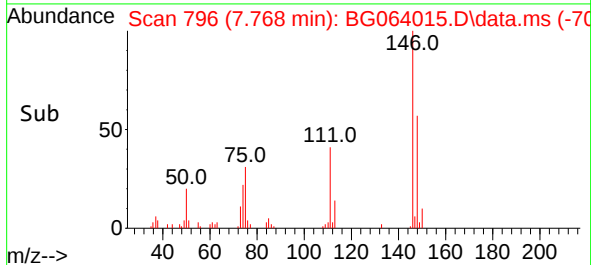
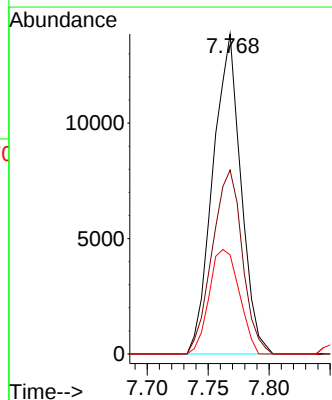
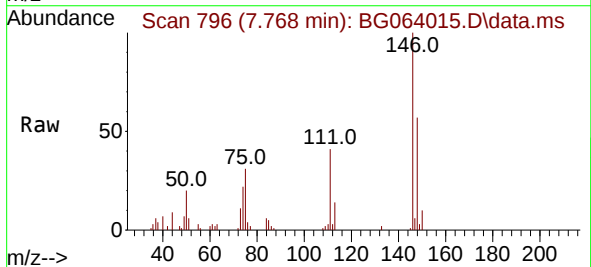
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

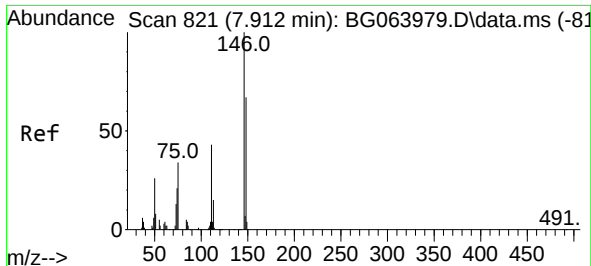
Tgt Ion: 93 Resp: 20593
Ion Ratio Lower Upper
93 100
63 86.4 71.2 111.2
95 31.2 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 4.664 ng
RT: 7.768 min Scan# 796
Delta R.T. 0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:146 Resp: 22147
Ion Ratio Lower Upper
146 100
148 57.4 49.6 74.4
75 31.0 27.8 41.8

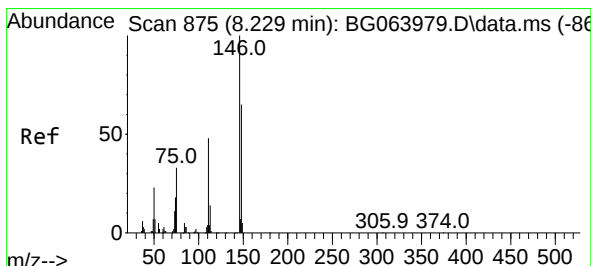
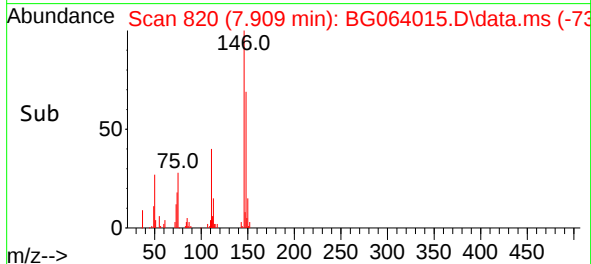
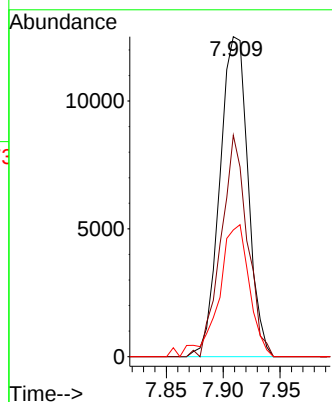
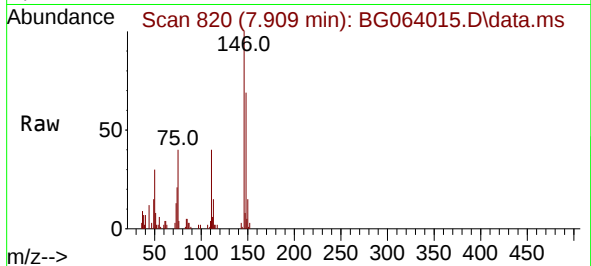




#13
1,4-Dichlorobenzene
Concen: 4.506 ng
RT: 7.909 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

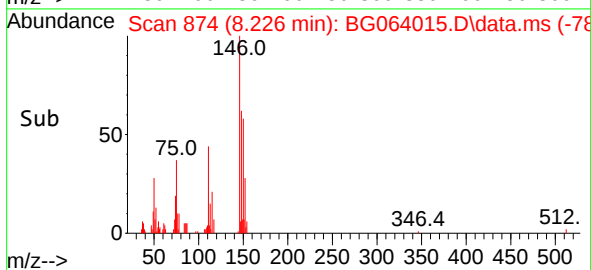
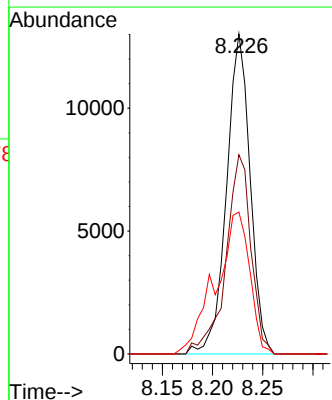
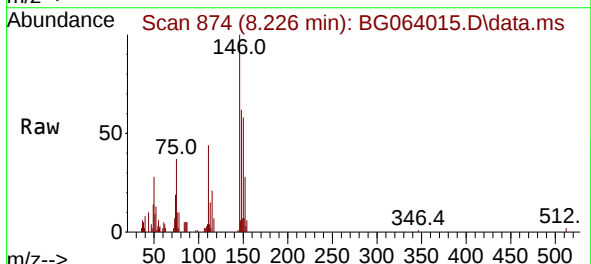
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

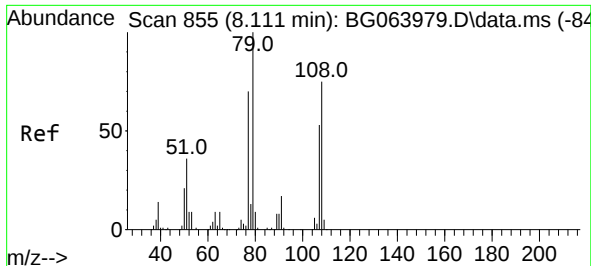
Tgt Ion:146 Resp: 21607
Ion Ratio Lower Upper
146 100
148 69.2 53.3 79.9
111 39.6 34.8 52.2



#14
1,2-Dichlorobenzene
Concen: 4.631 ng
RT: 8.226 min Scan# 874
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:146 Resp: 21286
Ion Ratio Lower Upper
146 100
148 62.3 52.0 78.0
111 44.3 38.2 57.2

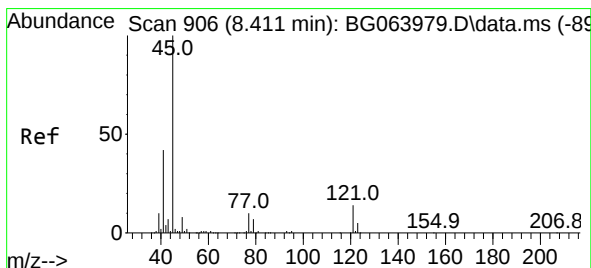
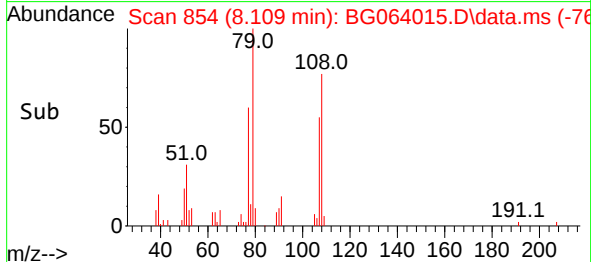
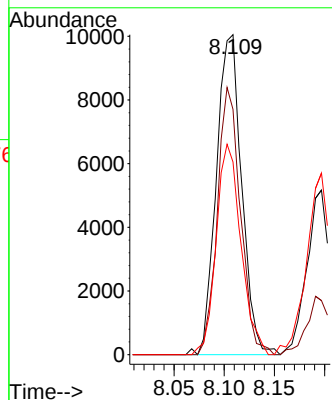
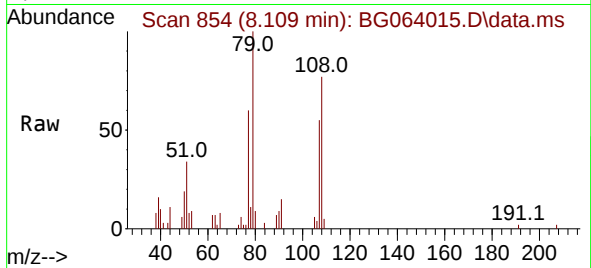




#15
Benzyl Alcohol
Concen: 4.384 ng
RT: 8.109 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

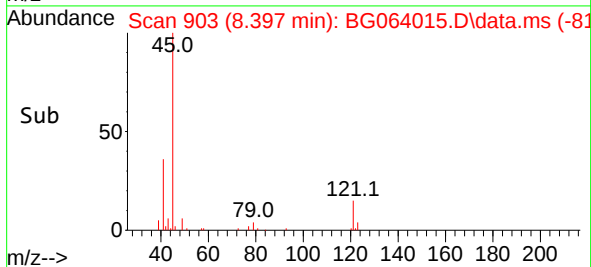
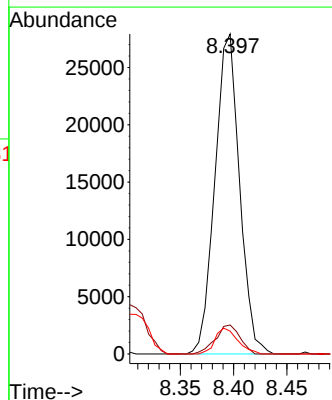
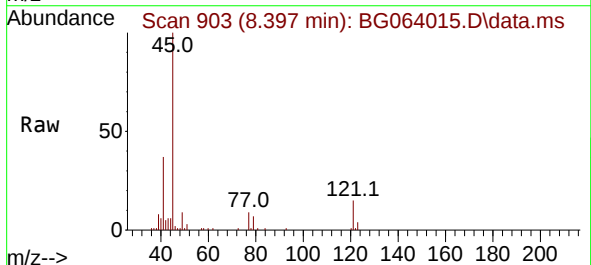
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

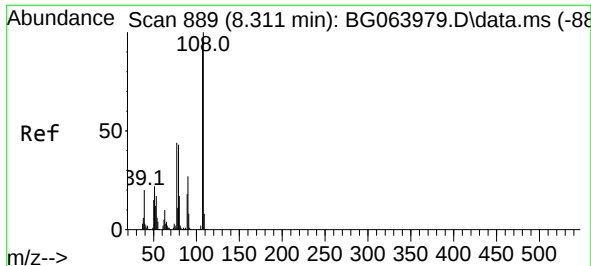
Tgt Ion: 79 Resp: 17608
Ion Ratio Lower Upper
79 100
108 76.7 60.3 90.5
77 60.2 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.880 ng
RT: 8.397 min Scan# 903
Delta R.T. -0.014 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

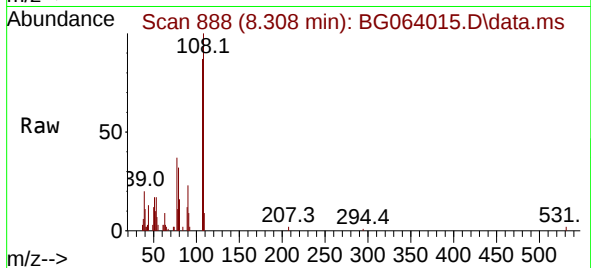
Tgt Ion: 45 Resp: 44766
Ion Ratio Lower Upper
45 100
77 9.1 0.0 29.8
79 7.2 0.0 27.7



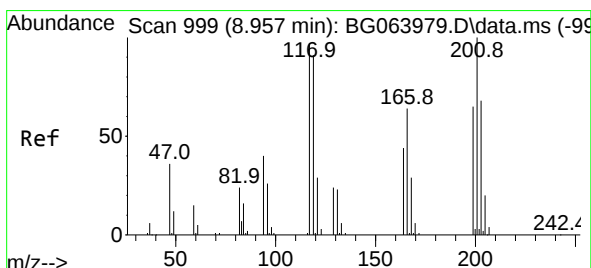
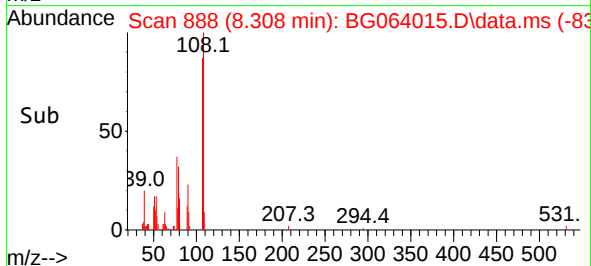
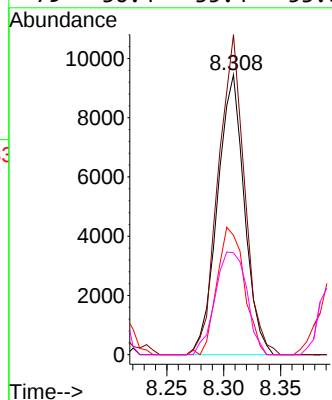


#17
2-Methylphenol
Concen: 4.254 ng
RT: 8.308 min Scan# 889
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

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

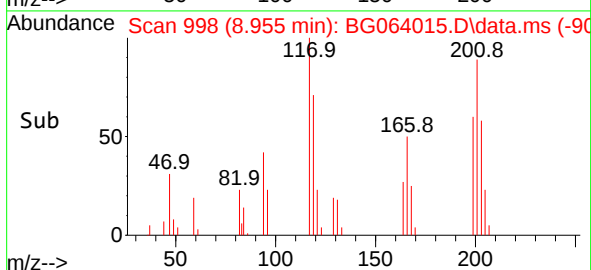
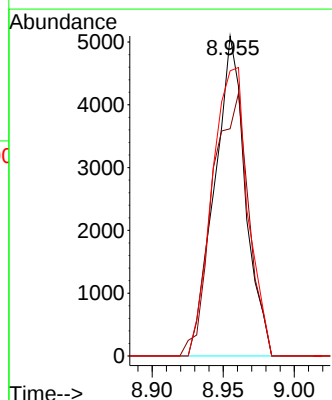
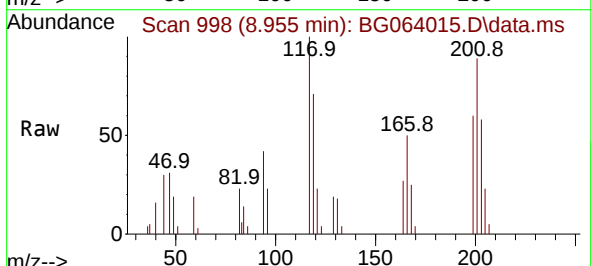


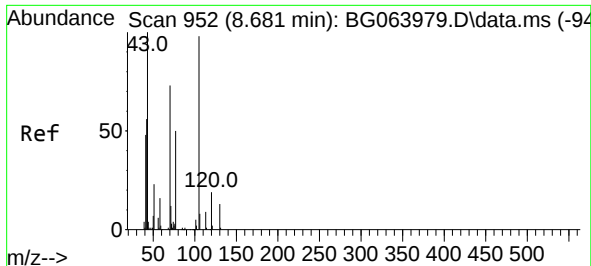
Tgt Ion:107 Resp: 15563
Ion Ratio Lower Upper
107 100
108 114.4 82.9 124.3
77 42.7 36.4 54.6
79 36.4 35.4 53.0



#18
Hexachloroethane
Concen: 4.869 ng
RT: 8.955 min Scan# 998
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:117 Resp: 7685
Ion Ratio Lower Upper
117 100
119 71.0 75.4 113.0#
201 89.1 82.4 123.6

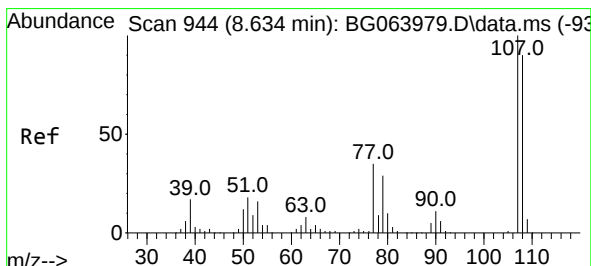
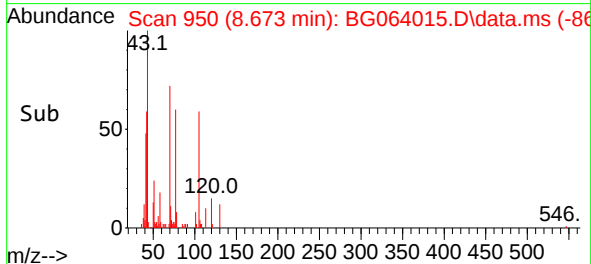
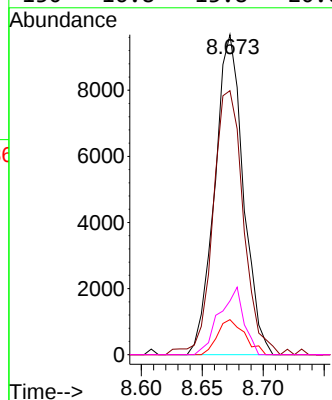
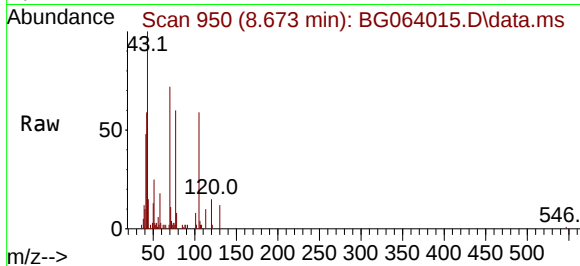




#19
n-Nitroso-di-n-propylamine
Concen: 4.242 ng
RT: 8.673 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

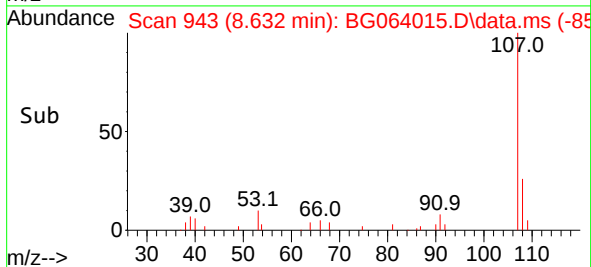
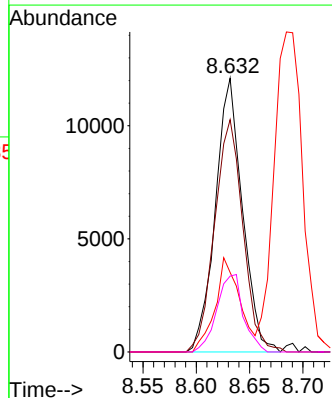
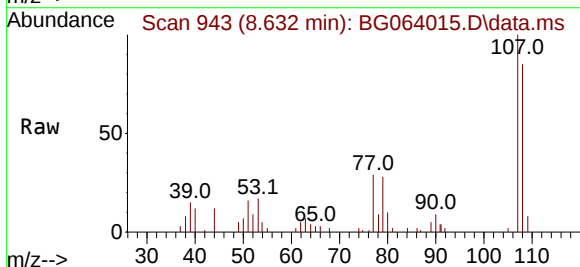
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

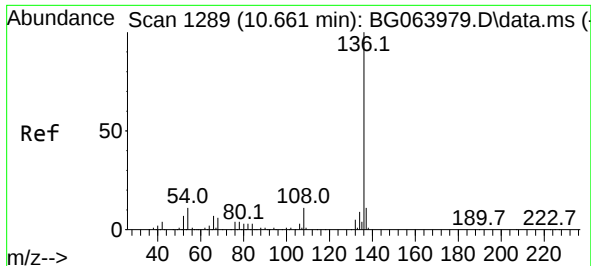
Tgt Ion: 70 Resp: 15785
Ion Ratio Lower Upper
70 100
42 82.5 62.2 93.4
101 11.0 5.6 8.4#
130 16.8 13.8 20.6



#20
3+4-Methylphenols
Concen: 4.372 ng
RT: 8.632 min Scan# 943
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion: 107 Resp: 21311
Ion Ratio Lower Upper
107 100
108 84.9 70.0 110.0
77 29.1 15.2 55.2
79 27.7 9.1 49.1

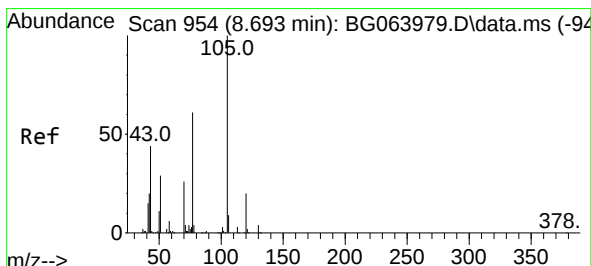
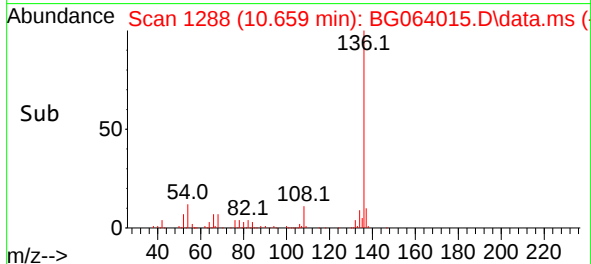
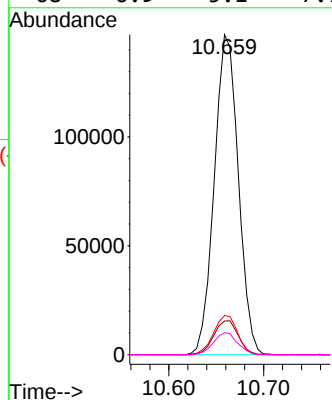
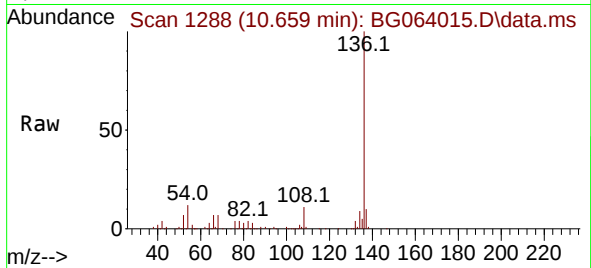




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.659 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

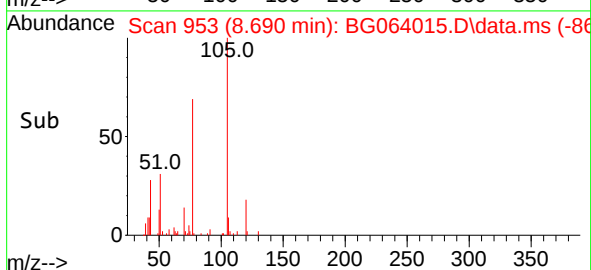
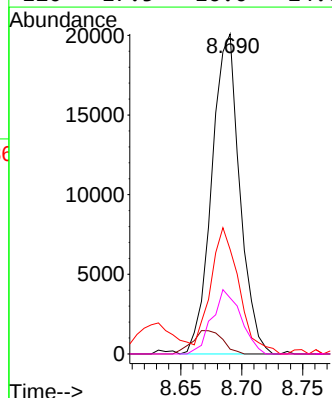
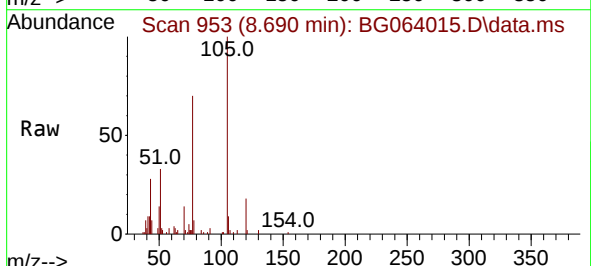
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

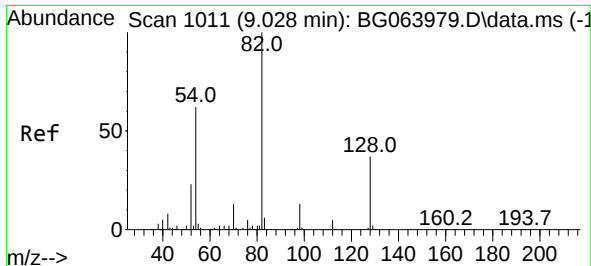
Tgt Ion:136 Resp: 259165
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 12.2 9.2 13.8
68 6.9 5.1 7.7



#22
Acetophenone
Concen: 4.498 ng
RT: 8.690 min Scan# 953
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:105 Resp: 32031
Ion Ratio Lower Upper
105 100
71 1.5 3.1 4.7#
51 32.6 29.9 44.9
120 17.5 16.0 24.0





#23

Nitrobenzene-d5

Concen: 111.679 ng

RT: 9.025 min Scan# 1011

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

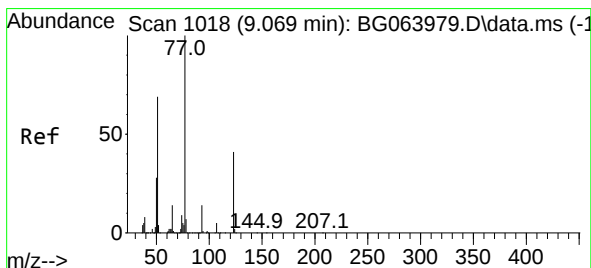
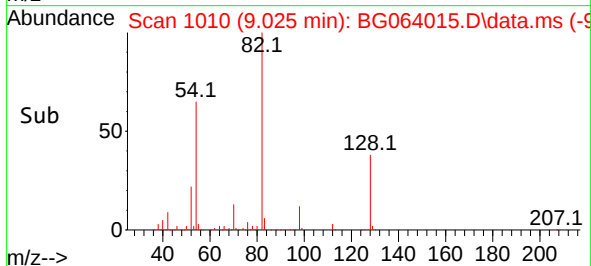
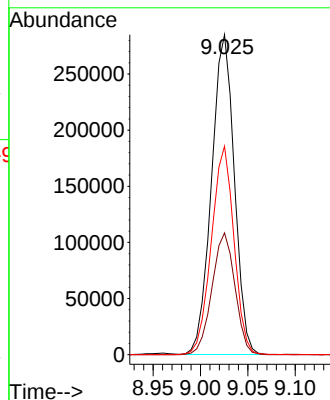
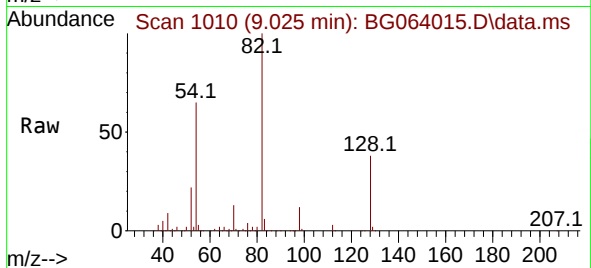
Tgt Ion: 82 Resp: 476234

Ion Ratio Lower Upper

82 100

128 38.1 29.4 44.2

54 65.2 49.9 74.9



#24

Nitrobenzene

Concen: 8.411 ng

RT: 9.066 min Scan# 1017

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

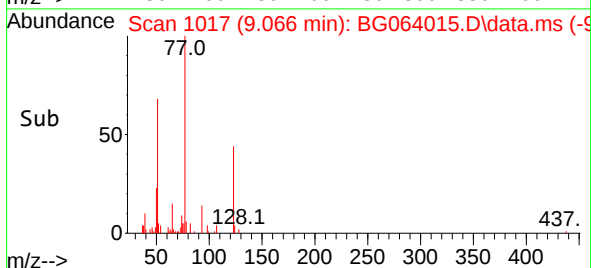
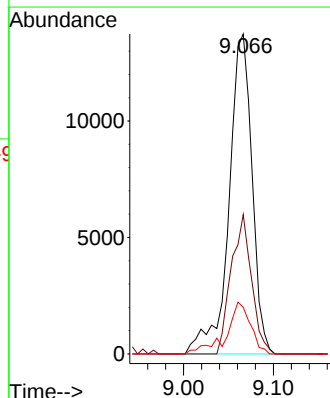
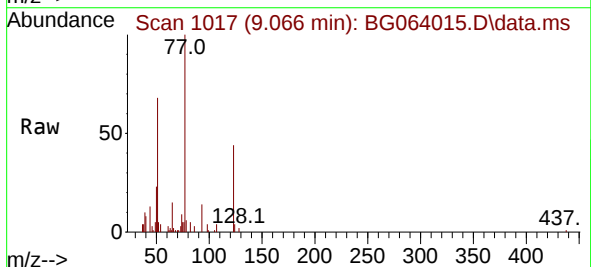
Tgt Ion: 77 Resp: 24560

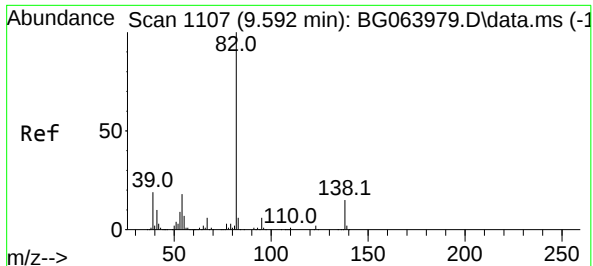
Ion Ratio Lower Upper

77 100

123 43.6 32.9 49.3

65 14.6 11.0 16.6

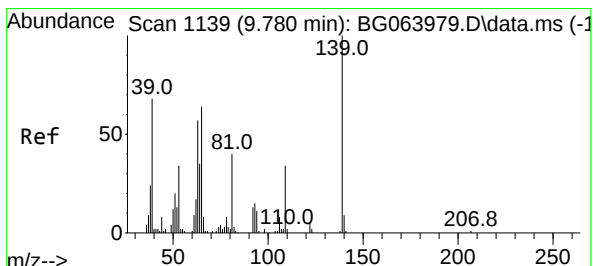
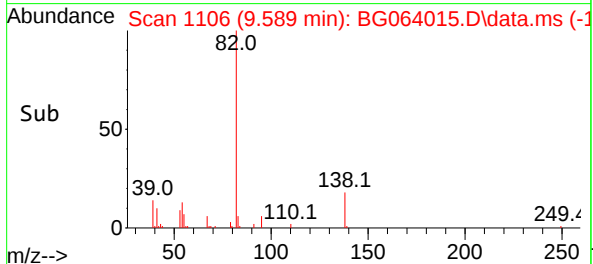
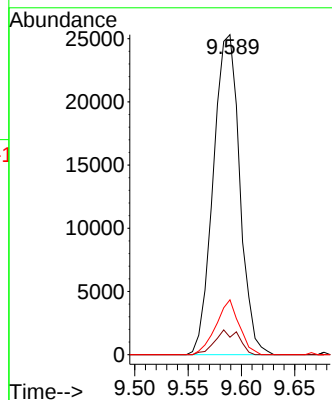
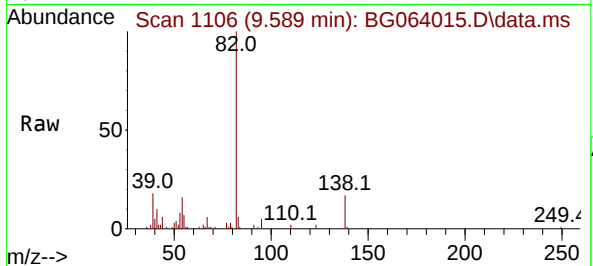




#25
Isophorone
Concen: 4.724 ng
RT: 9.589 min Scan# 1106
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

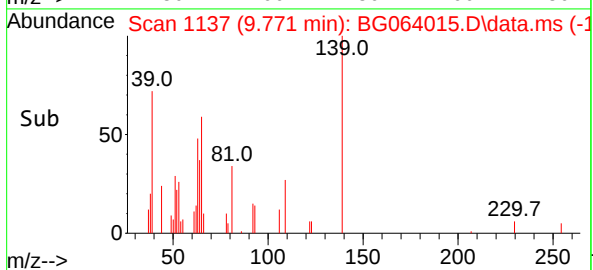
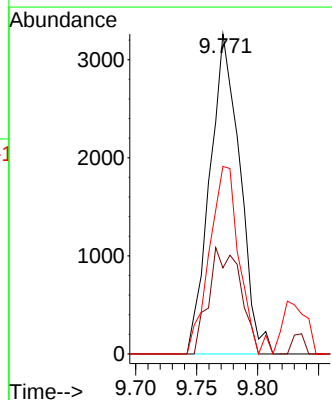
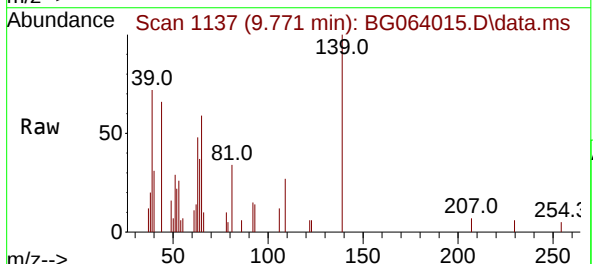
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

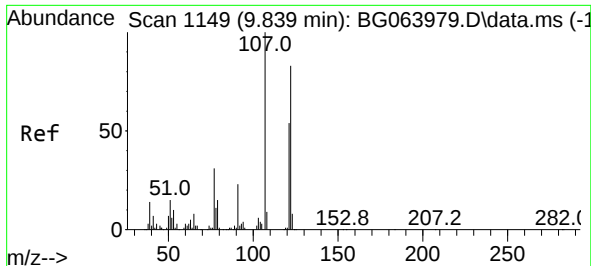
Tgt Ion: 82 Resp: 43665
Ion Ratio Lower Upper
82 100
95 5.5 5.0 7.4
138 17.2 12.2 18.4



#26
2-Nitrophenol
Concen: 9.901 ng
RT: 9.771 min Scan# 1137
Delta R.T. -0.009 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:139 Resp: 5612
Ion Ratio Lower Upper
139 100
109 26.9 27.1 40.7#
65 58.6 51.0 76.6





#27

2,4-Dimethylphenol

Concen: 2.453 ng

RT: 9.830 min Scan# 1149

Delta R.T. -0.009 min

Lab File: BG064015.D

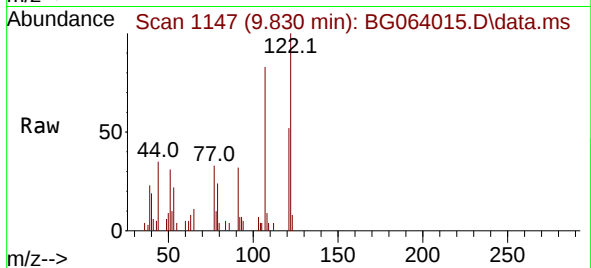
Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025



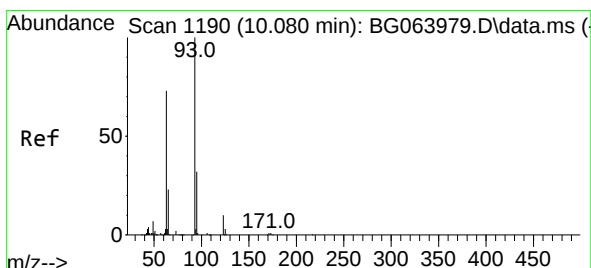
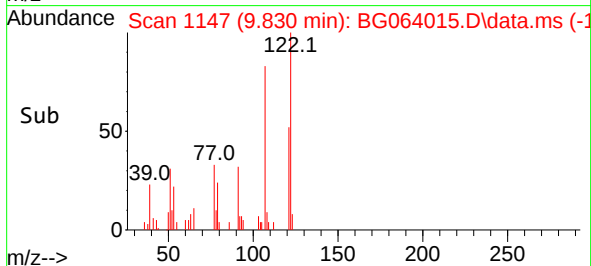
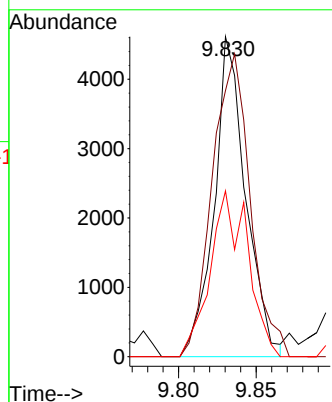
Tgt Ion:122 Resp: 6523

Ion Ratio Lower Upper

122 100

107 83.2 96.4 144.6#

121 51.8 51.8 77.6



#28

bis(2-Chloroethoxy)methane

Concen: 4.391 ng

RT: 10.071 min Scan# 1188

Delta R.T. -0.009 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

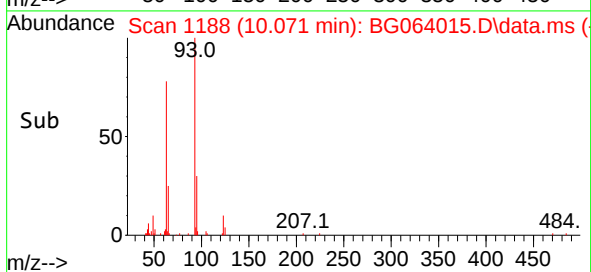
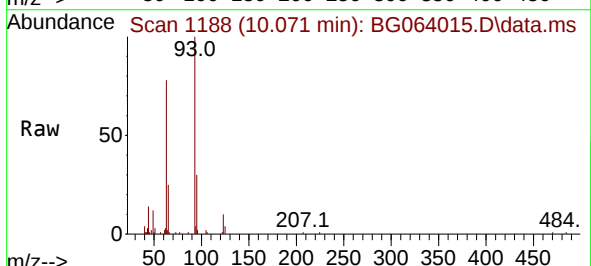
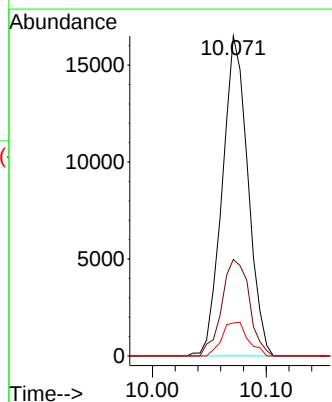
Tgt Ion: 93 Resp: 25828

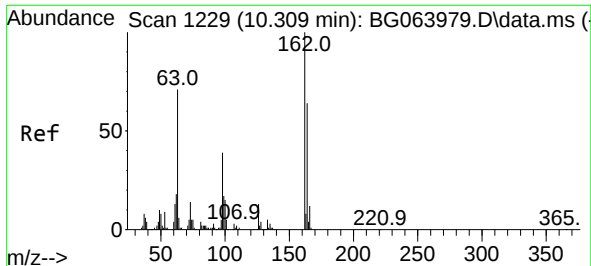
Ion Ratio Lower Upper

93 100

95 30.2 25.4 38.2

123 10.3 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 7.425 ng

RT: 10.306 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

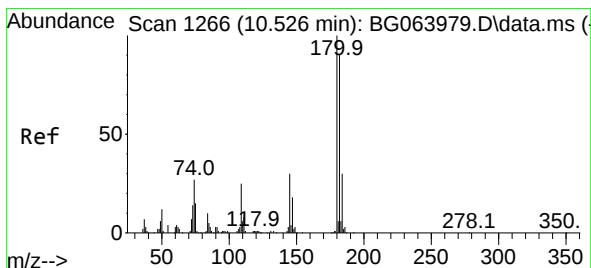
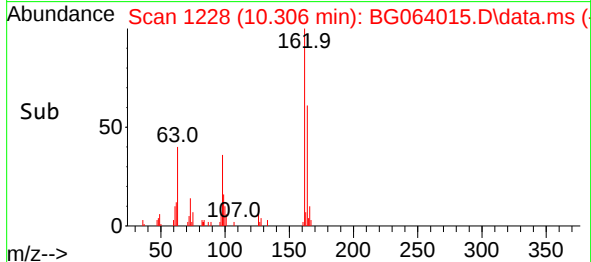
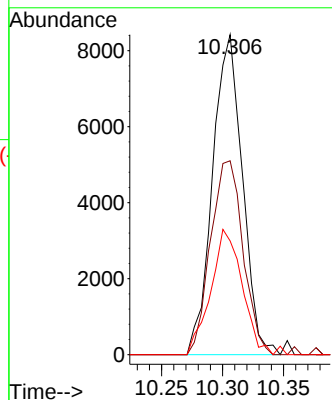
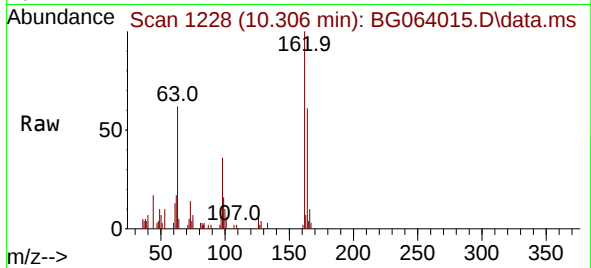
Tgt Ion:162 Resp: 14352

Ion Ratio Lower Upper

162 100

164 60.6 43.6 83.6

98 35.6 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 4.598 ng

RT: 10.524 min Scan# 1265

Delta R.T. -0.002 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

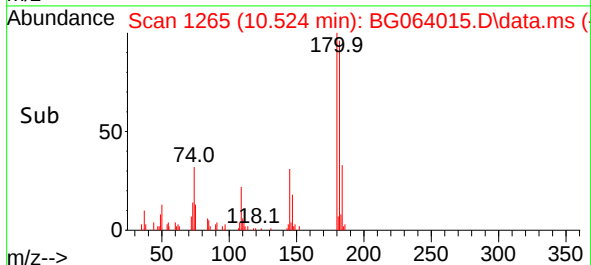
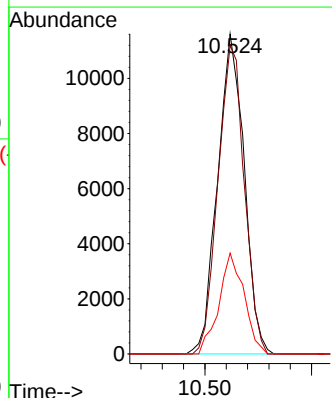
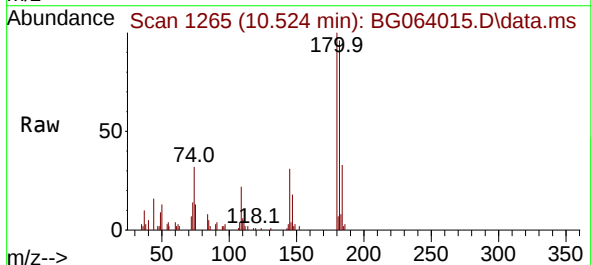
Tgt Ion:180 Resp: 20086

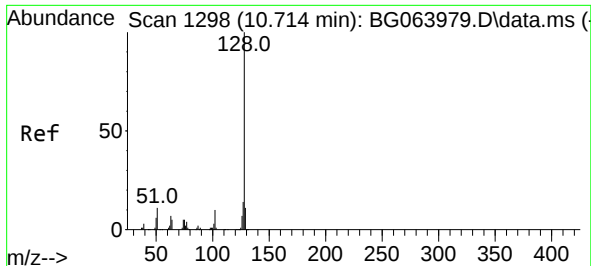
Ion Ratio Lower Upper

180 100

182 96.5 72.3 108.5

145 31.5 23.8 35.8

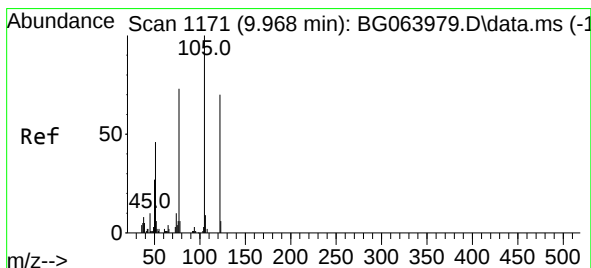
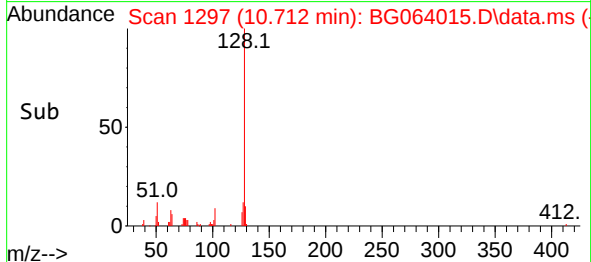
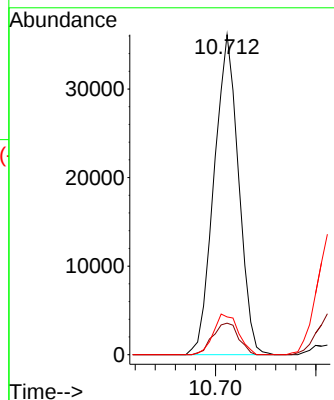
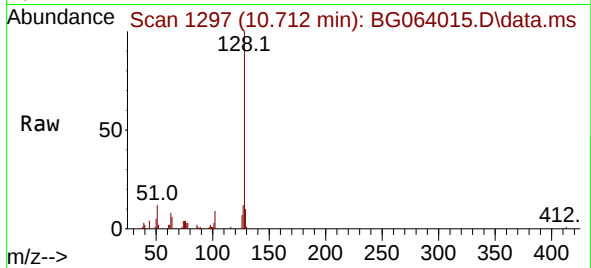




#31
Naphthalene
Concen: 4.406 ng
RT: 10.712 min Scan# 1159
Delta R.T. -0.002 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

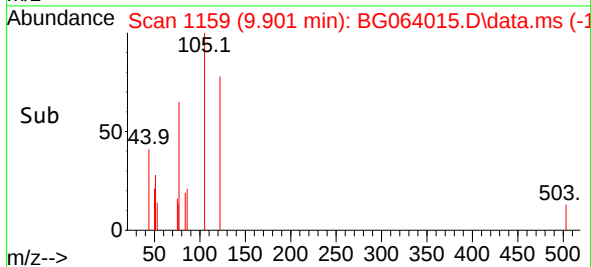
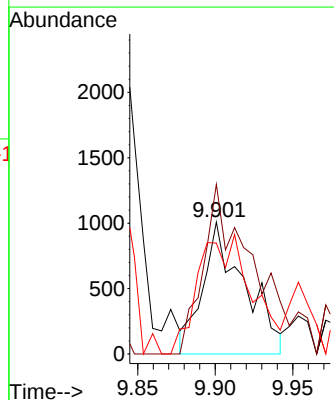
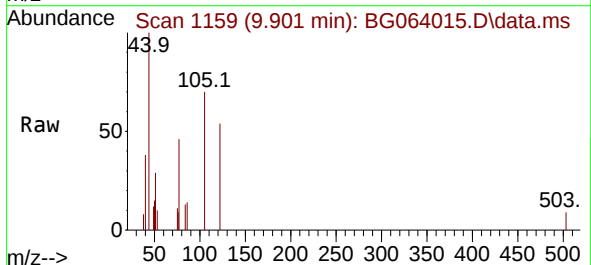
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

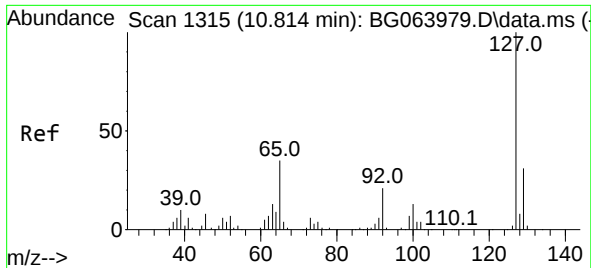
Tgt Ion:128 Resp: 61220
Ion Ratio Lower Upper
128 100
129 9.8 8.8 13.2
127 11.8 10.8 16.2



#32
Benzoic acid
Concen: 6.895 ng
RT: 9.901 min Scan# 1159
Delta R.T. -0.067 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:122 Resp: 1885
Ion Ratio Lower Upper
122 100
105 128.6 117.9 157.9
77 84.1 83.9 123.9

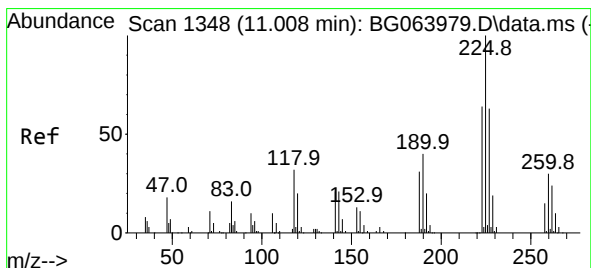
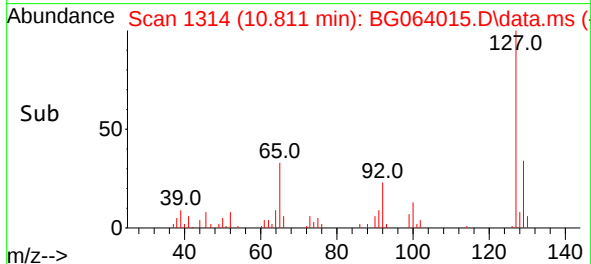
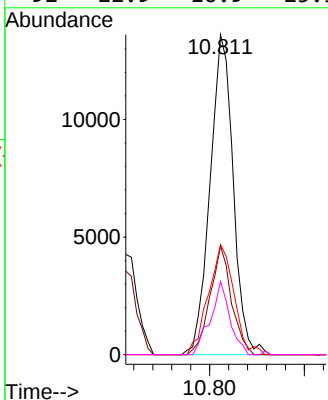
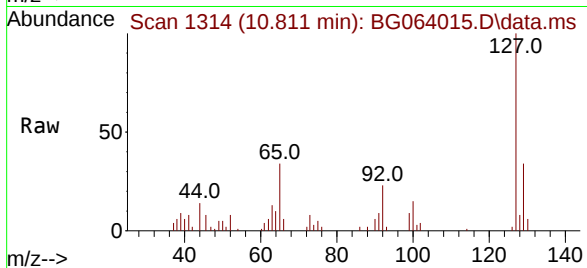




#33
4-Chloroaniline
Concen: 4.333 ng
RT: 10.811 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

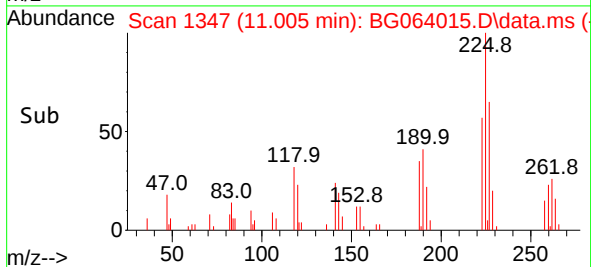
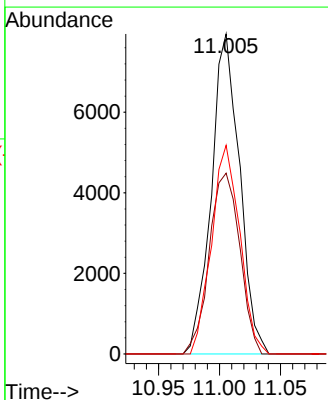
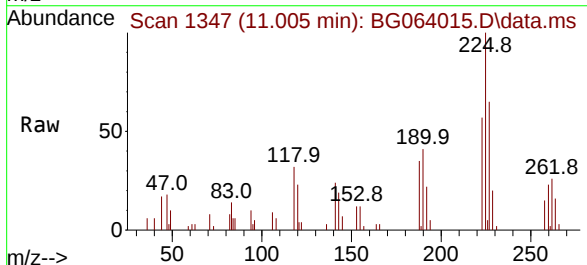
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

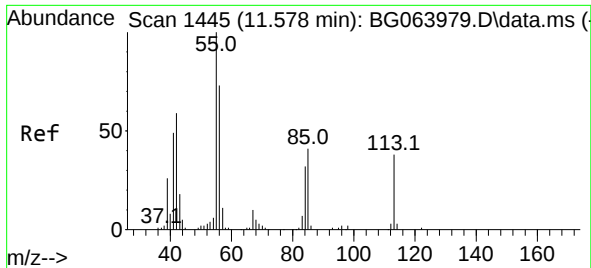
Tgt Ion:	127	Resp:	23069
Ion	Ratio	Lower	Upper
127	100		
129	33.9	24.9	37.3
65	34.4	28.2	42.4
92	22.9	16.9	25.3



#34
Hexachlorobutadiene
Concen: 4.609 ng
RT: 11.005 min Scan# 1347
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:	225	Resp:	12822
Ion	Ratio	Lower	Upper
225	100		
223	56.5	51.0	76.6
227	65.2	50.3	75.5

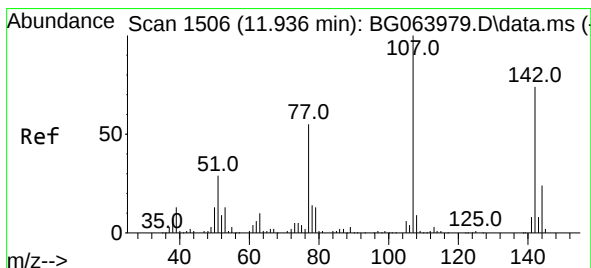
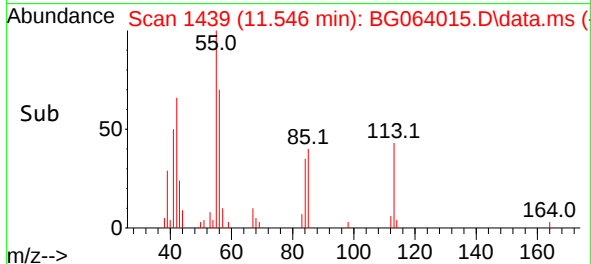
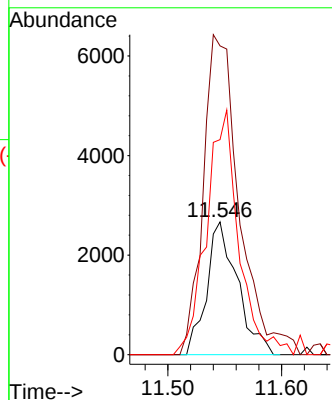
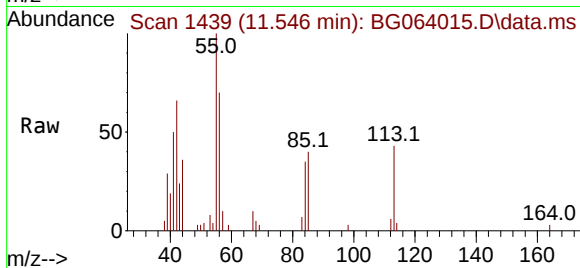




#35
Caprolactam
Concen: 8.589 ng
RT: 11.546 min Scan# 14
Delta R.T. -0.032 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

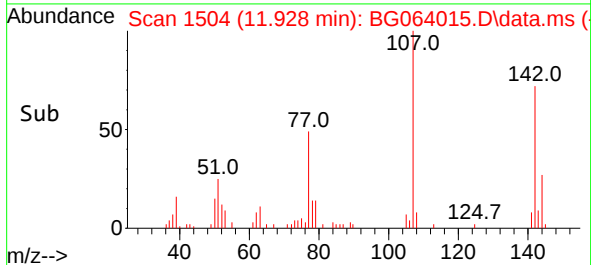
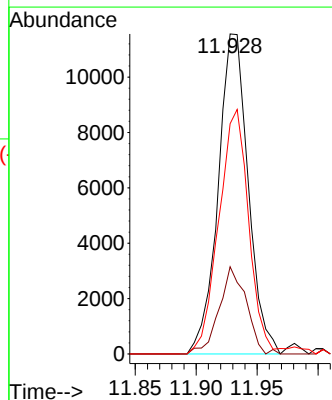
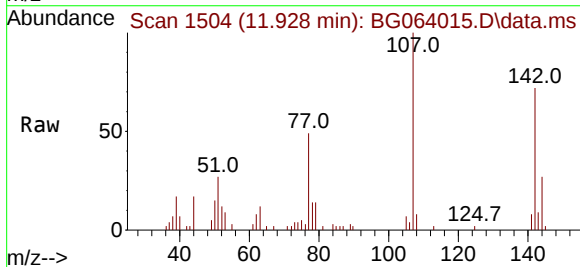
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

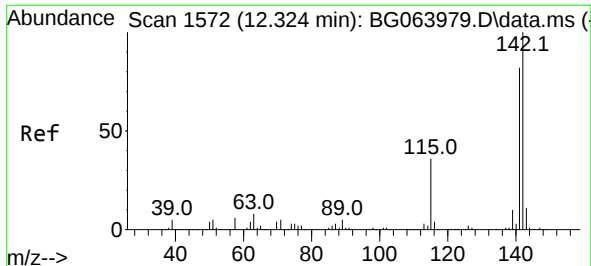
Tgt Ion	Ratio	Lower	Upper
113	100		
55	232.4	241.8	281.8#
56	161.9	171.5	211.5#



#36
4-Chloro-3-methylphenol
Concen: 4.665 ng
RT: 11.928 min Scan# 1504
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.2	19.2	28.8
142	71.9	58.9	88.3

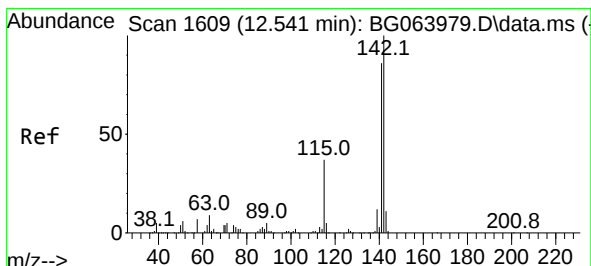
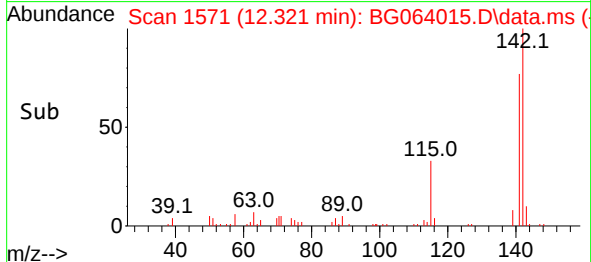
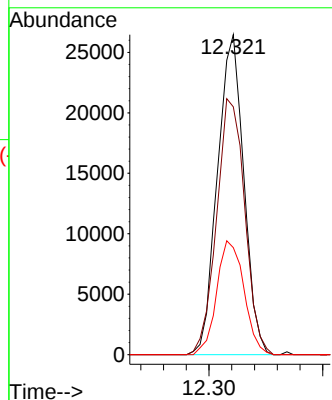
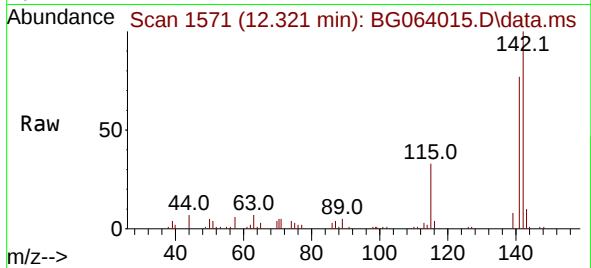




#37
2-Methylnaphthalene
Concen: 4.395 ng
RT: 12.321 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

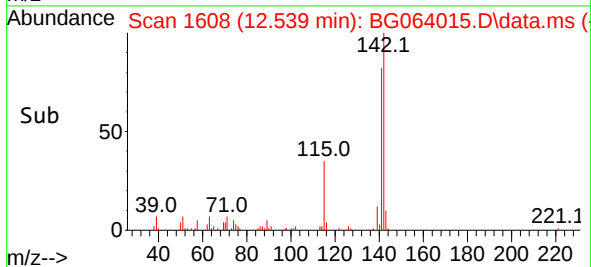
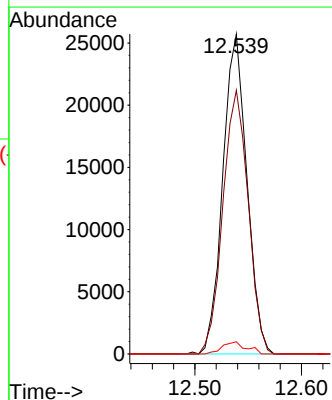
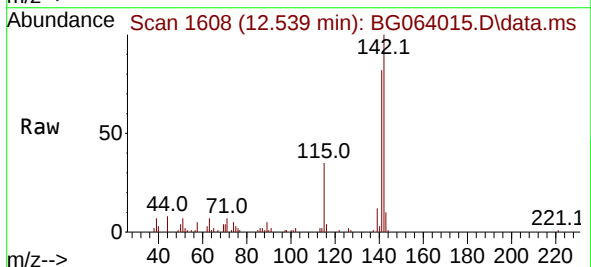
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

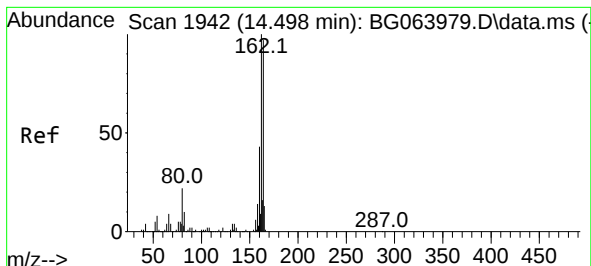
Tgt Ion:142 Resp: 42552
Ion Ratio Lower Upper
142 100
141 77.4 65.8 98.8
115 33.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 4.210 ng
RT: 12.539 min Scan# 1608
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:142 Resp: 40336
Ion Ratio Lower Upper
142 100
141 82.4 69.2 103.8
116 3.8 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.495 min Scan# 1942

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

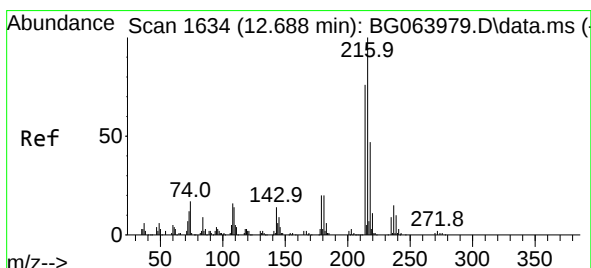
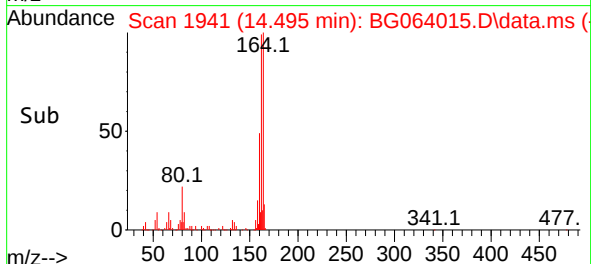
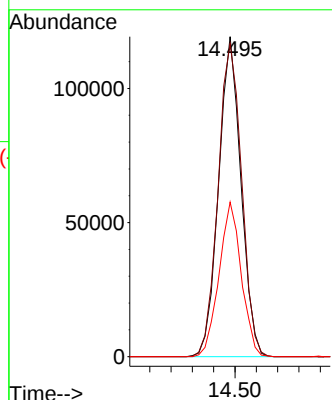
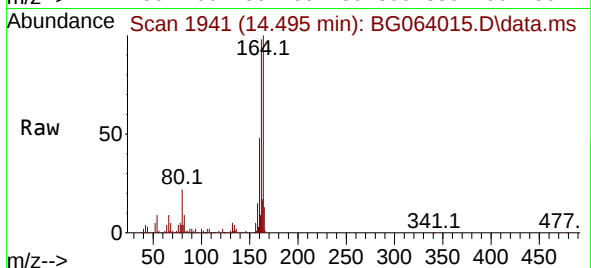
Tgt Ion:164 Resp: 172846

Ion Ratio Lower Upper

164 100

162 97.8 82.3 123.5

160 48.3 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.374 ng

RT: 12.686 min Scan# 1633

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Tgt Ion:216 Resp: 22294

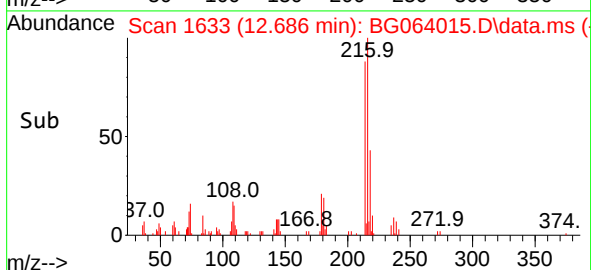
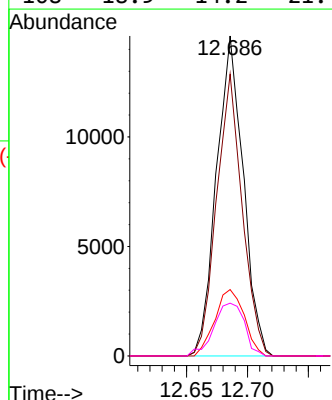
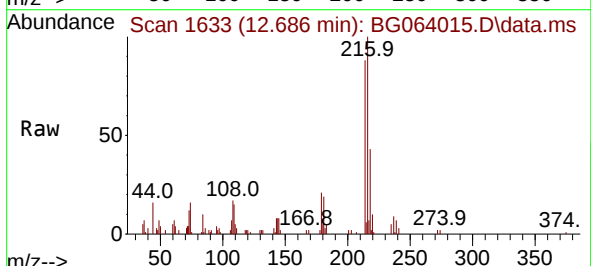
Ion Ratio Lower Upper

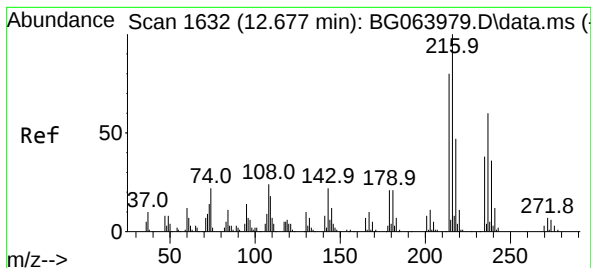
216 100

214 84.3 62.9 94.3

179 22.8 16.6 25.0

108 18.9 14.2 21.4

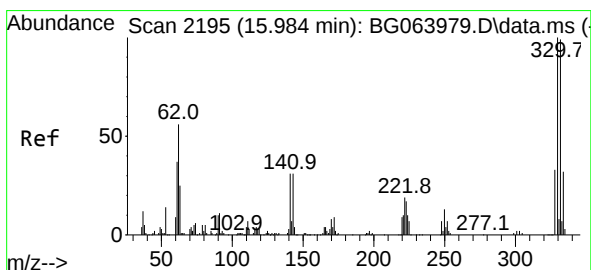
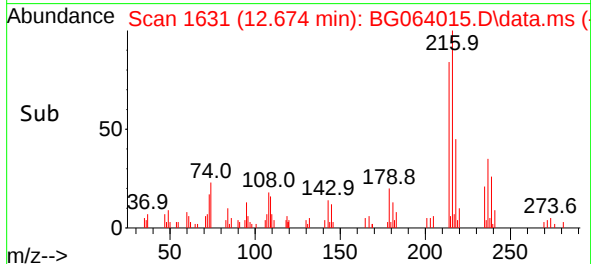
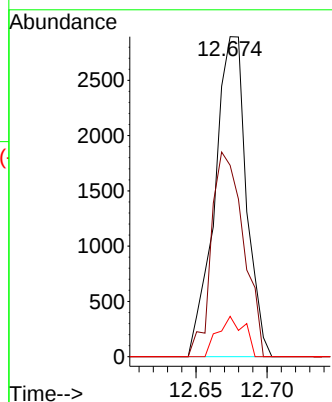
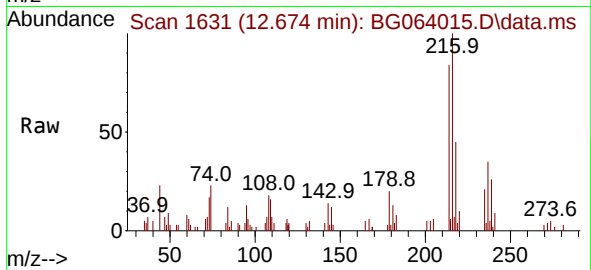




#41
Hexachlorocyclopentadiene
Concen: 3.484 ng
RT: 12.674 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

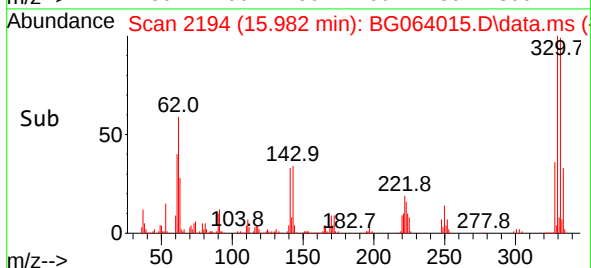
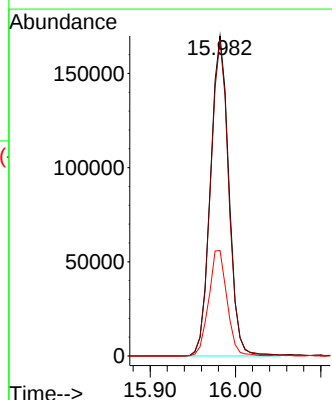
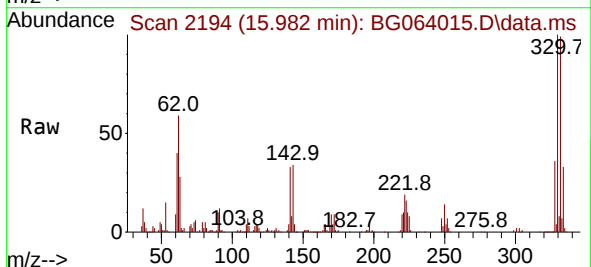
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

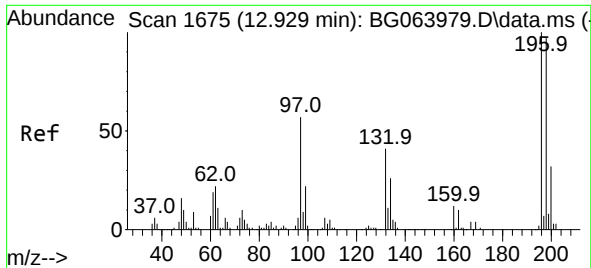
Tgt Ion:237 Resp: 4494
Ion Ratio Lower Upper
237 100
235 59.8 43.8 83.8
272 12.6 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 127.713 ng
RT: 15.982 min Scan# 2194
Delta R.T. -0.002 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

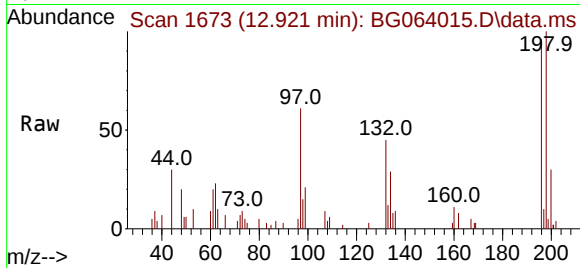
Tgt Ion:330 Resp: 254432
Ion Ratio Lower Upper
330 100
332 98.0 79.0 118.6
141 32.9 27.2 40.8



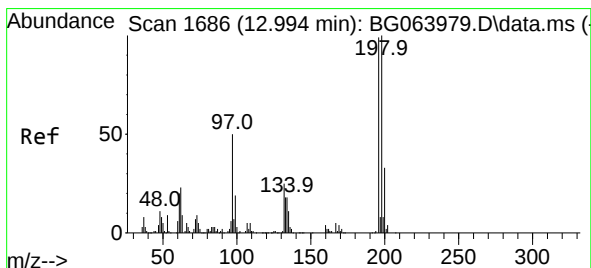
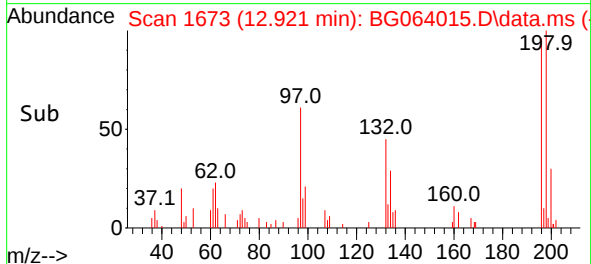
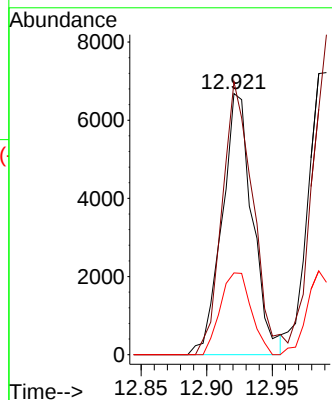


#43
2,4,6-Trichlorophenol
Concen: 8.142 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

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

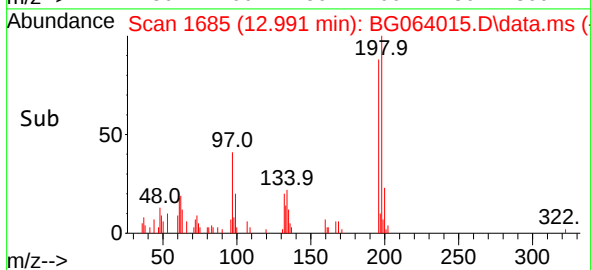
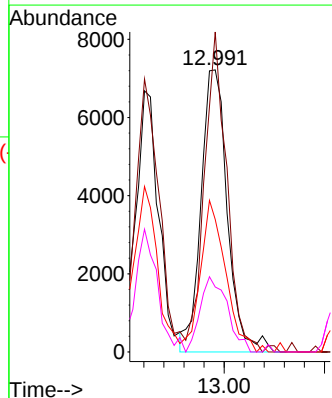
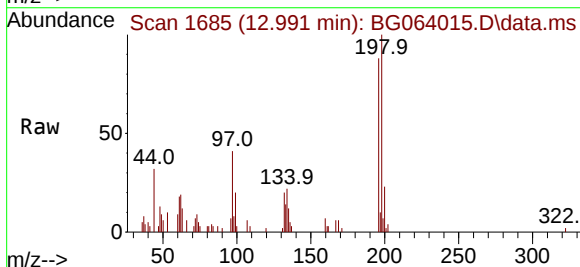


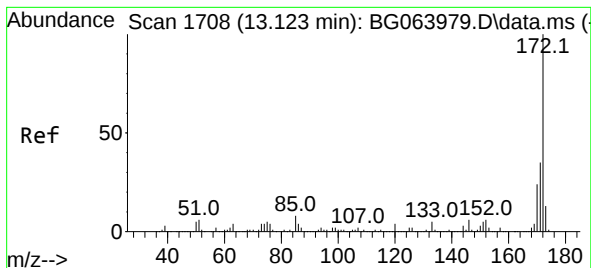
Tgt Ion:196 Resp: 10825
Ion Ratio Lower Upper
196 100
198 109.3 77.9 116.9
200 33.6 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 7.529 ng
RT: 12.991 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:196 Resp: 13180
Ion Ratio Lower Upper
196 100
198 113.5 81.1 121.7
97 47.0 41.2 61.8
132 23.0 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 92.913 ng

RT: 13.126 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

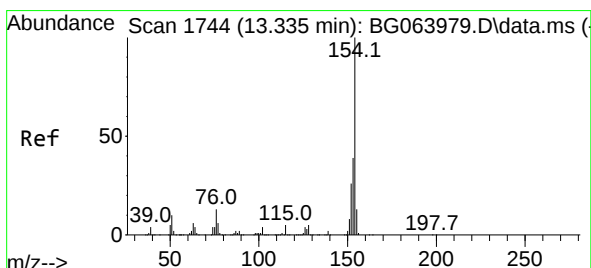
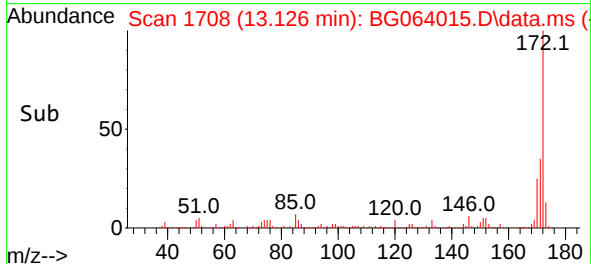
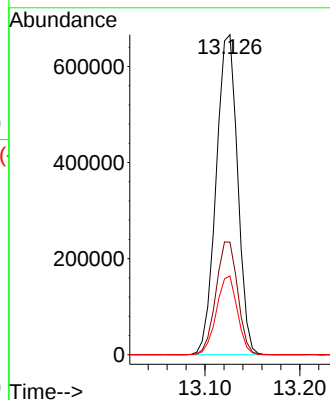
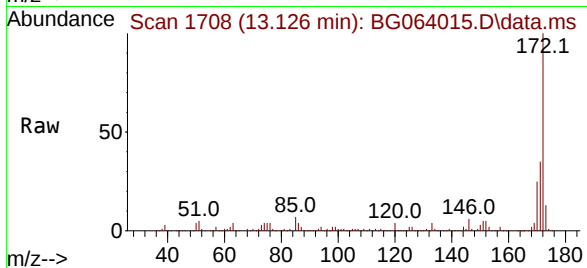
Tgt Ion:172 Resp: 1048186

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.6

170 24.6 19.4 29.2



#46

1,1'-Biphenyl

Concen: 4.589 ng

RT: 13.332 min Scan# 1743

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

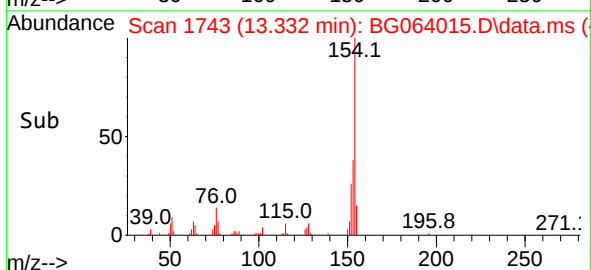
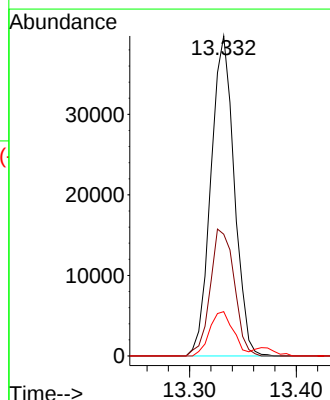
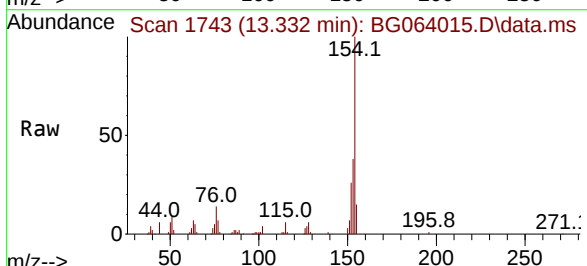
Tgt Ion:154 Resp: 60392

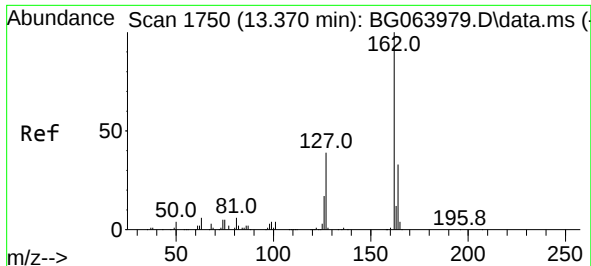
Ion Ratio Lower Upper

154 100

153 38.0 19.3 59.3

76 13.9 0.0 33.3

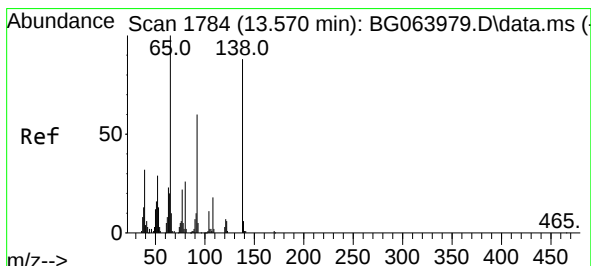
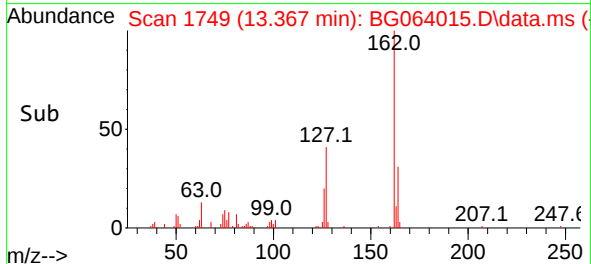
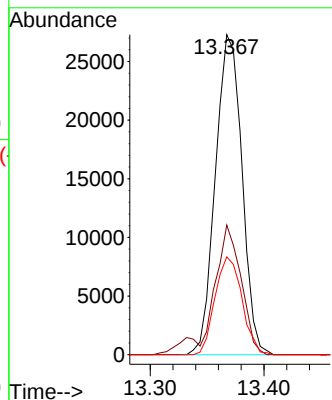
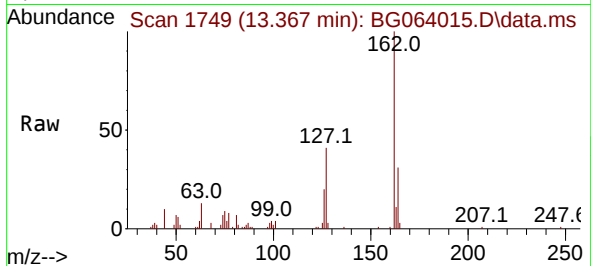




#47
2-Chloronaphthalene
Concen: 4.613 ng
RT: 13.367 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

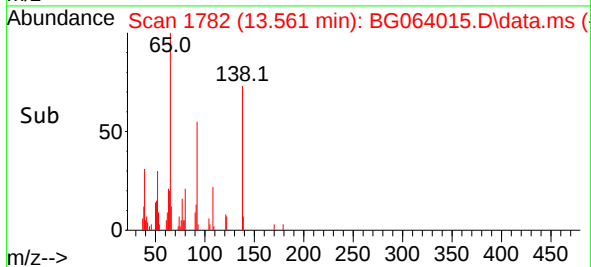
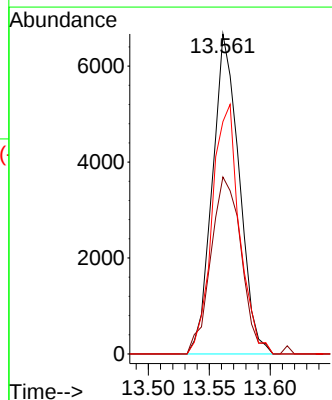
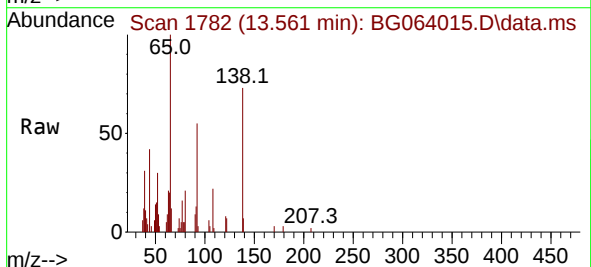
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

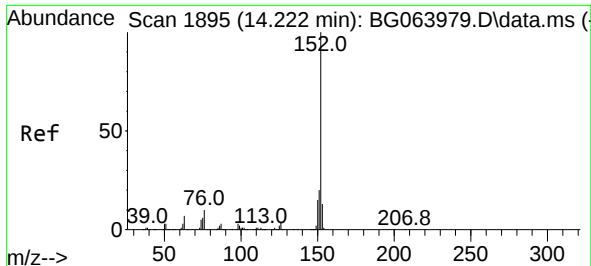
Tgt Ion:162 Resp: 44246
Ion Ratio Lower Upper
162 100
127 40.5 33.4 50.2
164 30.5 26.0 39.0



#48
2-Nitroaniline
Concen: 8.668 ng
RT: 13.561 min Scan# 1782
Delta R.T. -0.009 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion: 65 Resp: 10178
Ion Ratio Lower Upper
65 100
92 55.3 47.6 71.4
138 72.6 70.6 106.0

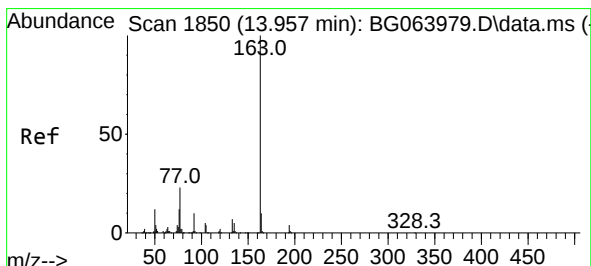
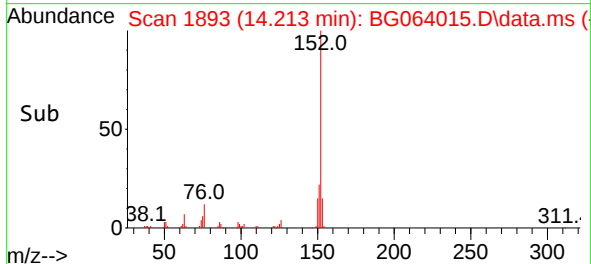
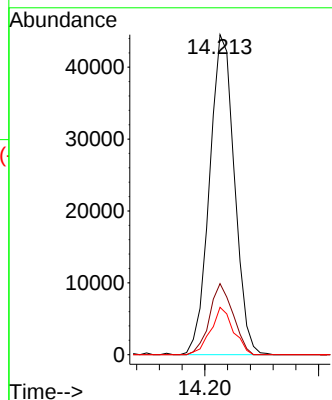
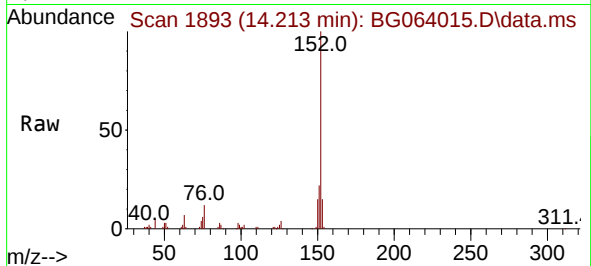




#49
Acenaphthylene
Concen: 4.540 ng
RT: 14.213 min Scan# 1893
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

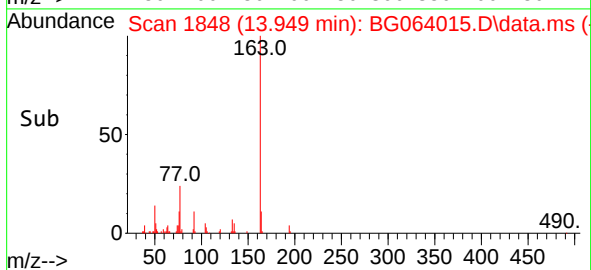
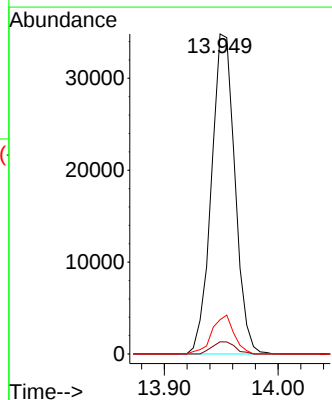
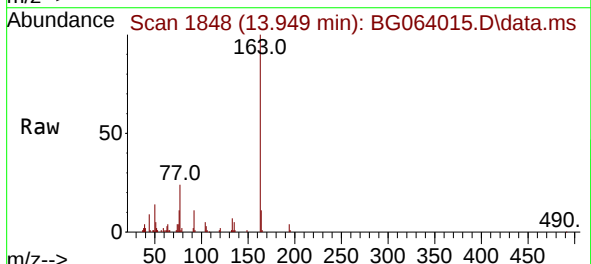
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

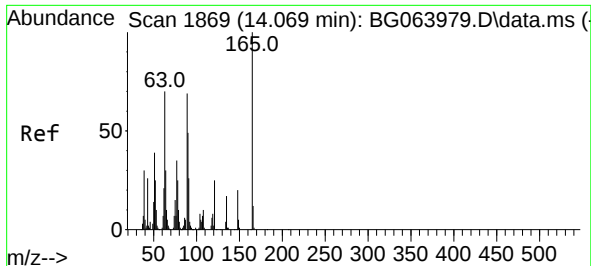
Tgt Ion:152 Resp: 67643
Ion Ratio Lower Upper
152 100
151 22.2 15.9 23.9
153 14.8 10.3 15.5



#50
Dimethylphthalate
Concen: 4.365 ng
RT: 13.949 min Scan# 1848
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:163 Resp: 50026
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.7 8.0 12.0

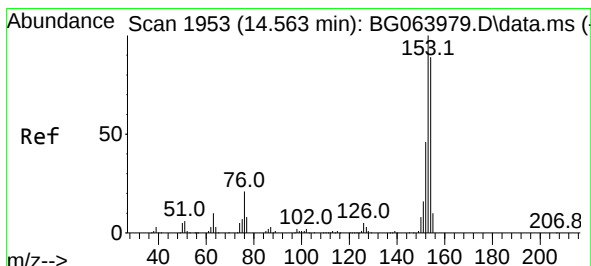
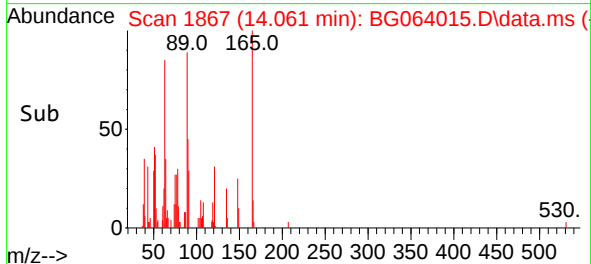
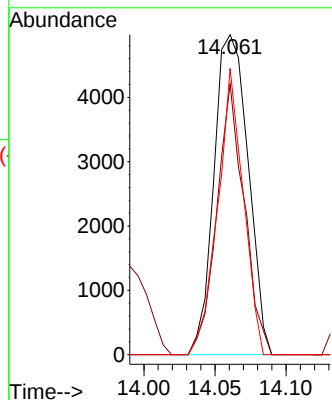
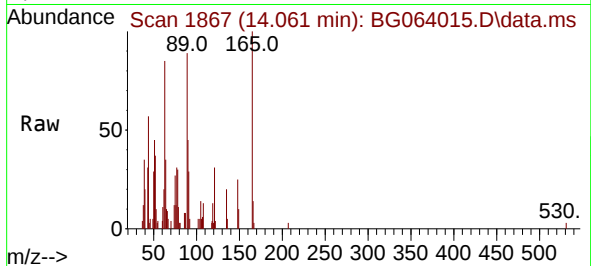




#51
2,6-Dinitrotoluene
Concen: 8.400 ng
RT: 14.061 min Scan# 1867
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

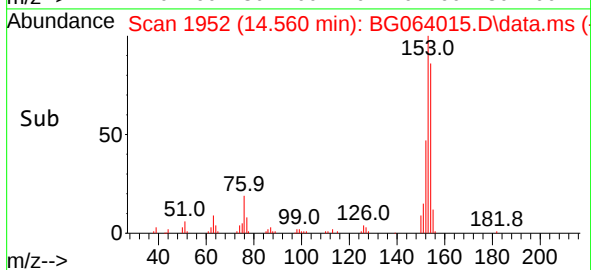
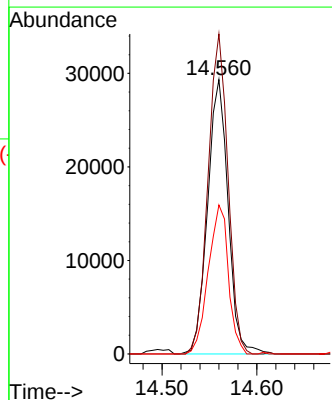
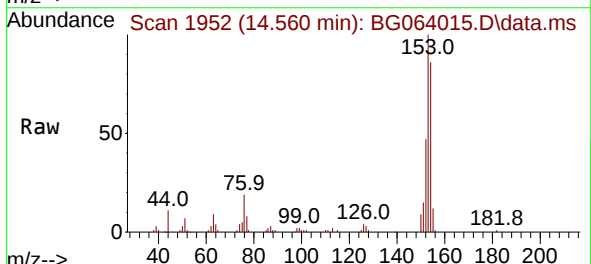
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

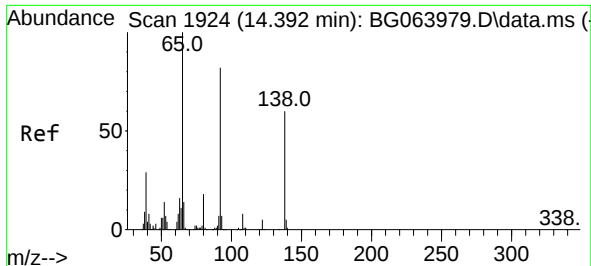
Tgt Ion:165 Resp: 8328
Ion Ratio Lower Upper
165 100
63 84.6 57.7 86.5
89 89.5 55.6 83.4#



#52
Acenaphthene
Concen: 4.429 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:154 Resp: 44262
Ion Ratio Lower Upper
154 100
153 116.6 90.2 135.2
152 54.3 41.1 61.7

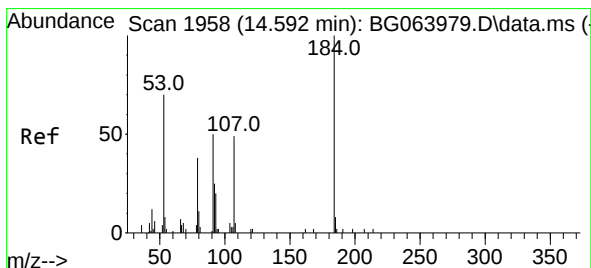
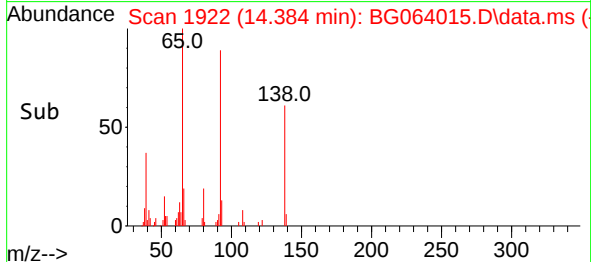
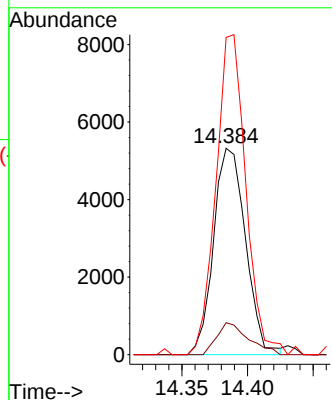
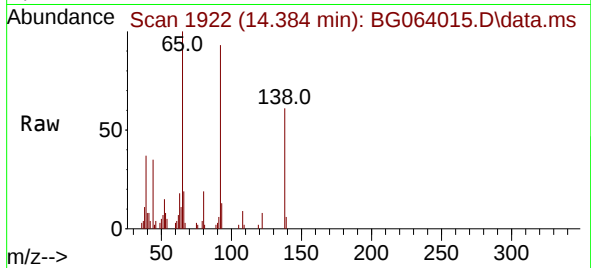




#53
3-Nitroaniline
Concen: 8.489 ng
RT: 14.384 min Scan# 1922
Delta R.T. -0.008 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

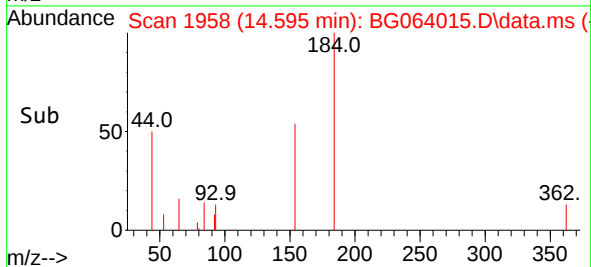
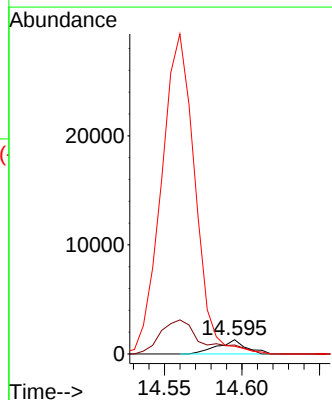
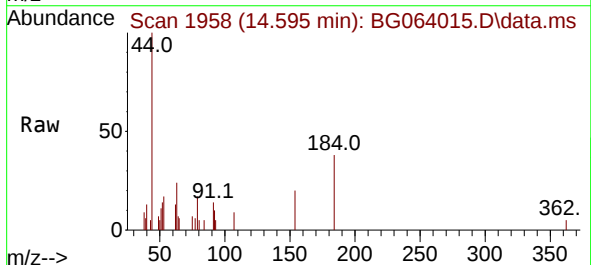
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

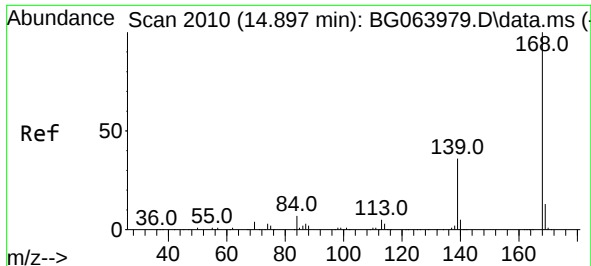
Tgt Ion:138 Resp: 9016
Ion Ratio Lower Upper
138 100
108 15.5 10.3 15.5#
92 153.8 109.0 163.4



#54
2,4-Dinitrophenol
Concen: 7.348 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:184 Resp: 1678
Ion Ratio Lower Upper
184 100
63 63.0 67.3 100.9#
154 53.6 65.9 98.9#

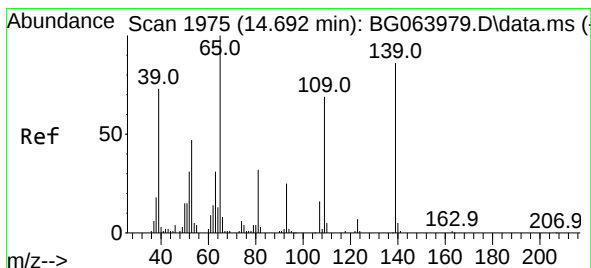
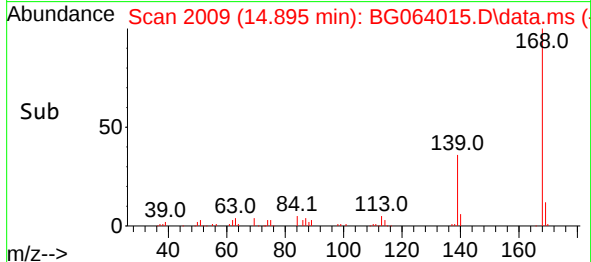
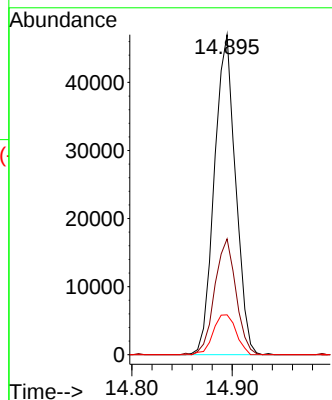
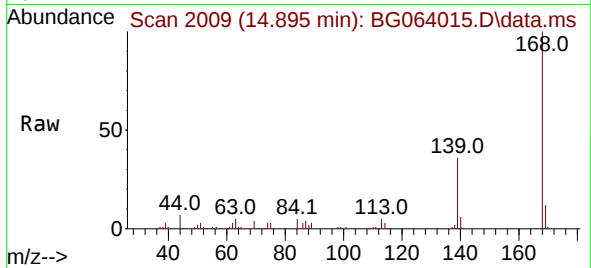




#55
Dibenzofuran
Concen: 4.242 ng
RT: 14.895 min Scan# 2010
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

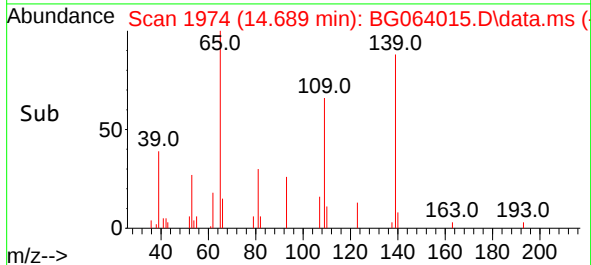
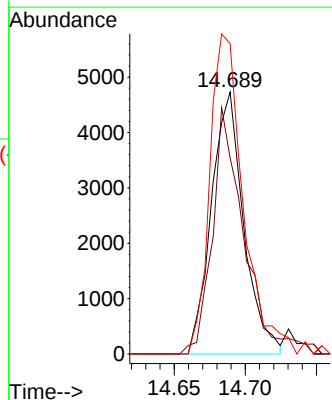
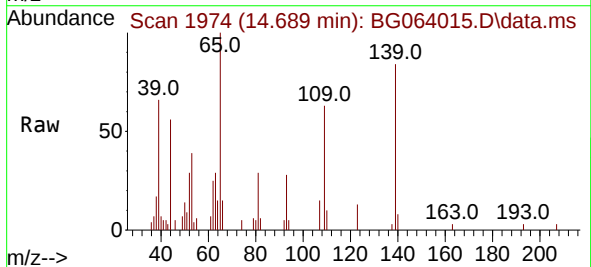
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

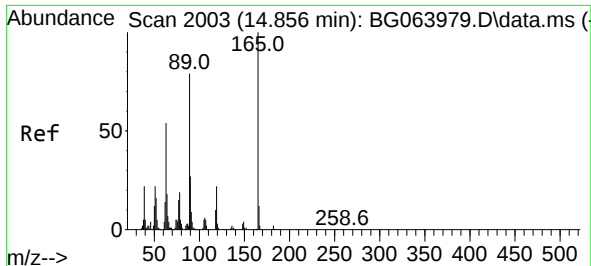
Tgt Ion:168 Resp: 68837
Ion Ratio Lower Upper
168 100
139 36.2 28.6 43.0
169 12.5 10.6 16.0



#56
4-Nitrophenol
Concen: 11.447 ng
RT: 14.689 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:139 Resp: 7464
Ion Ratio Lower Upper
139 100
109 74.9 60.1 100.1
65 118.5 96.2 136.2





#57

2,4-Dinitrotoluene

Concen: 8.938 ng

RT: 14.848 min Scan# 2001

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:165 Resp: 11014

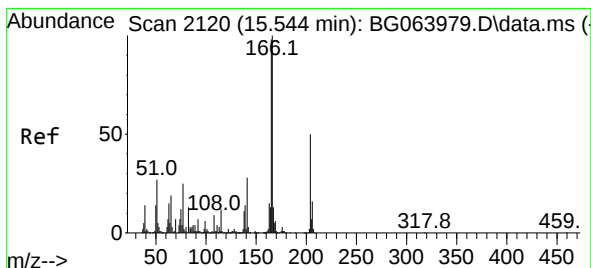
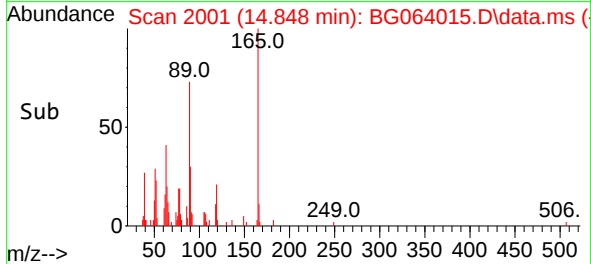
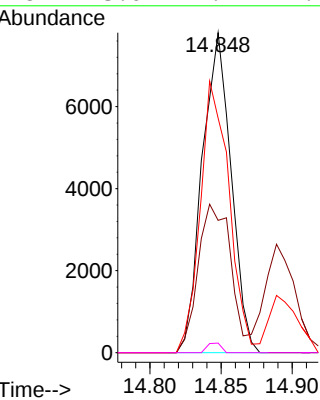
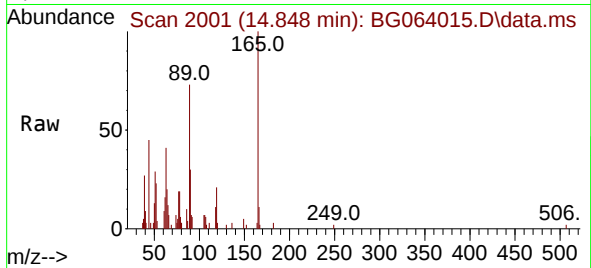
Ion Ratio Lower Upper

165 100

63 41.4 43.6 65.4#

89 73.3 63.1 94.7

182 3.0 1.4 2.0#



#58

Fluorene

Concen: 4.427 ng

RT: 15.541 min Scan# 2119

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

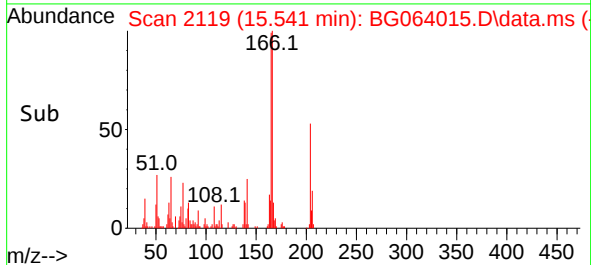
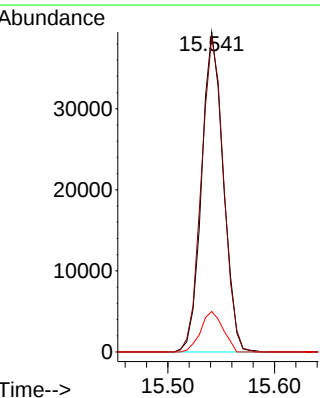
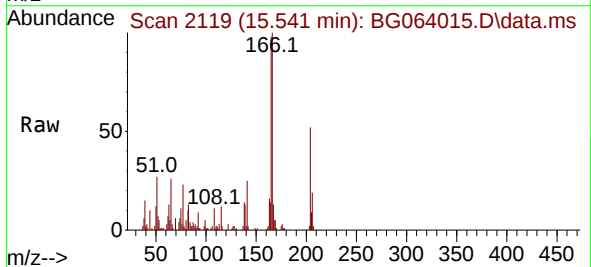
Tgt Ion:166 Resp: 55521

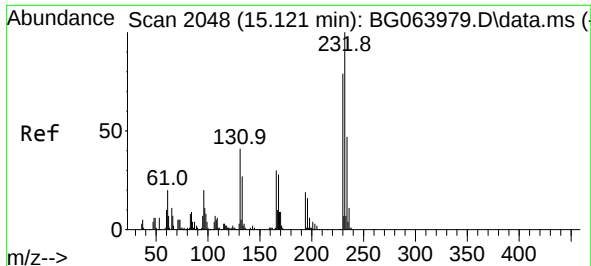
Ion Ratio Lower Upper

166 100

165 98.4 78.7 118.1

167 12.6 10.1 15.1

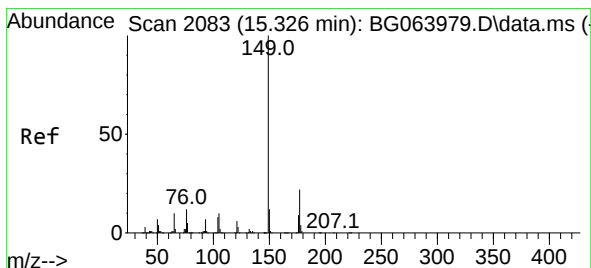
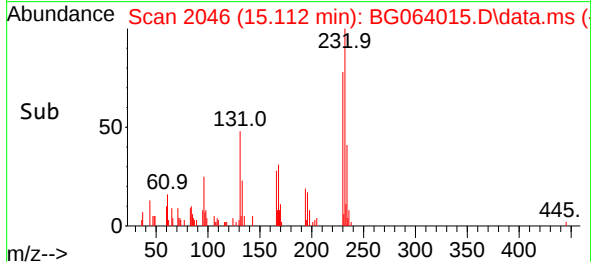
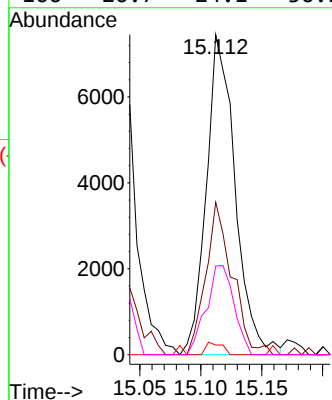
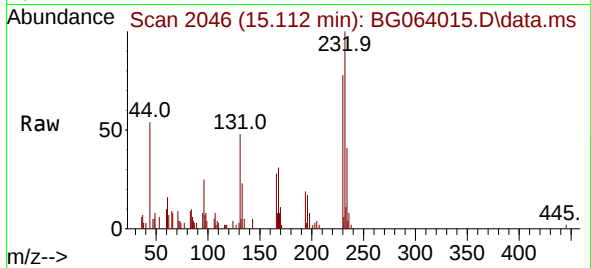




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.568 ng
RT: 15.112 min Scan# 2046
Delta R.T. -0.009 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

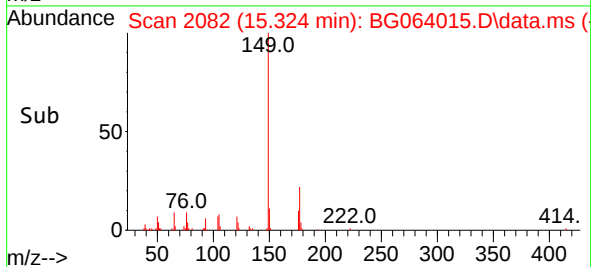
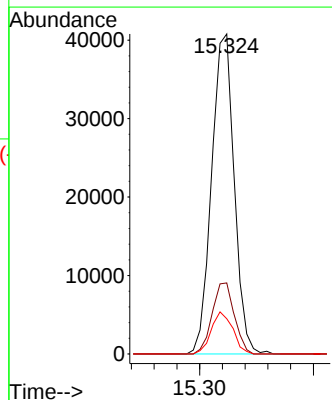
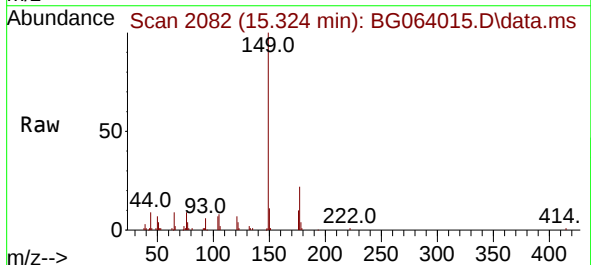
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

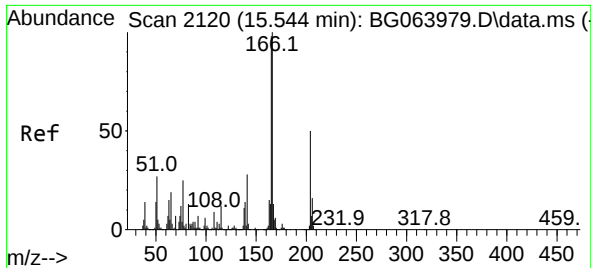
Tgt Ion:232 Resp: 12254
Ion Ratio Lower Upper
232 100
131 43.6 34.0 51.0
130 2.1 2.2 3.4#
166 26.7 24.1 36.1



#60
Diethylphthalate
Concen: 4.633 ng
RT: 15.324 min Scan# 2082
Delta R.T. -0.002 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:149 Resp: 56294
Ion Ratio Lower Upper
149 100
177 22.2 18.0 27.0
150 11.0 9.7 14.5

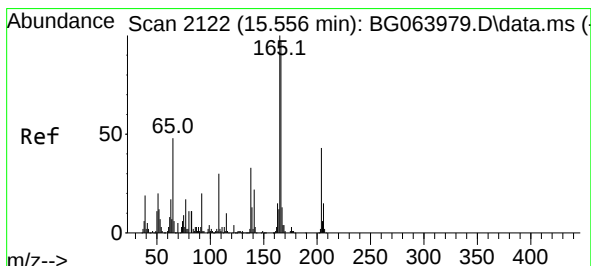
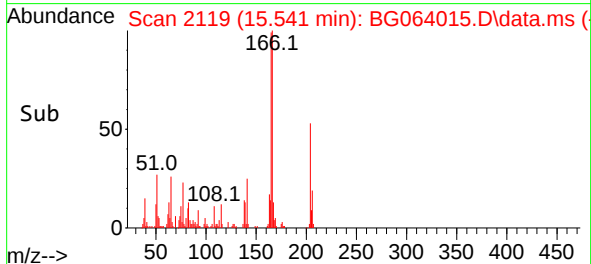
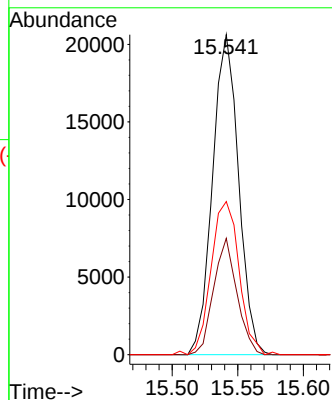
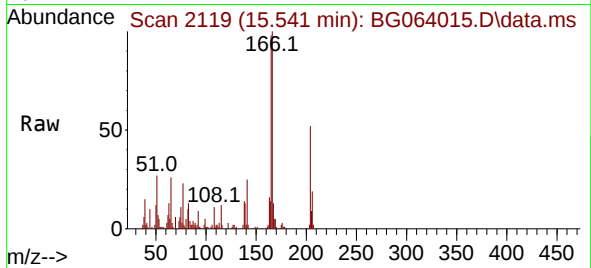




#61
4-Chlorophenyl-phenylether
Concen: 4.515 ng
RT: 15.541 min Scan# 2119
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

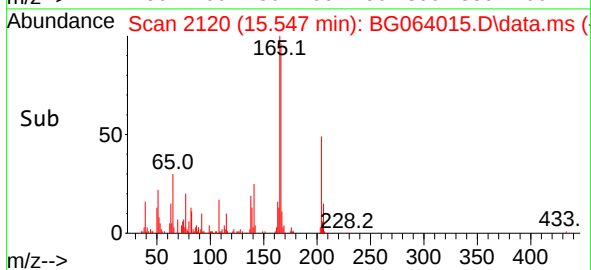
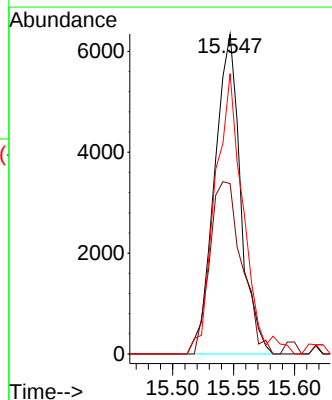
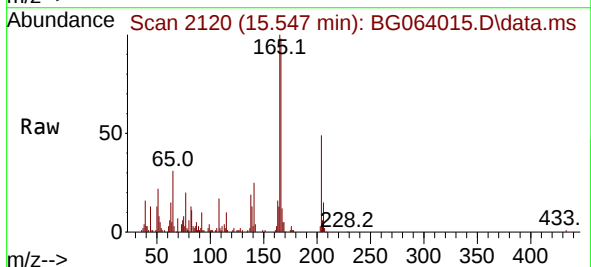
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

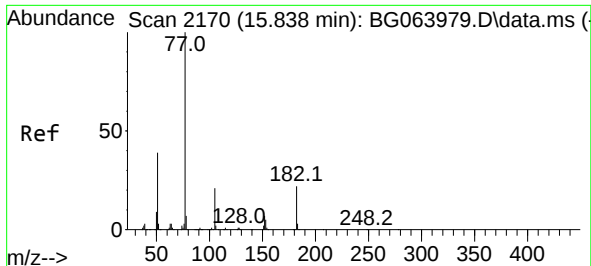
Tgt Ion:204 Resp: 28414
Ion Ratio Lower Upper
204 100
206 36.3 25.8 38.6
141 47.8 44.6 67.0



#62
4-Nitroaniline
Concen: 7.131 ng
RT: 15.547 min Scan# 2120
Delta R.T. -0.009 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:138 Resp: 9440
Ion Ratio Lower Upper
138 100
92 53.2 40.3 80.3
108 87.6 69.3 109.3

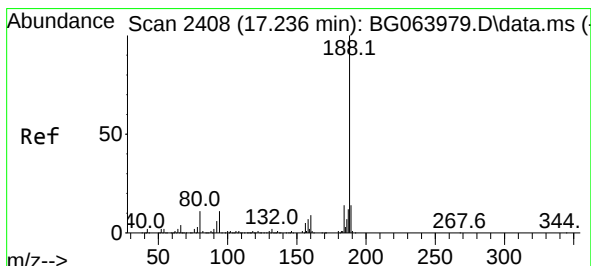
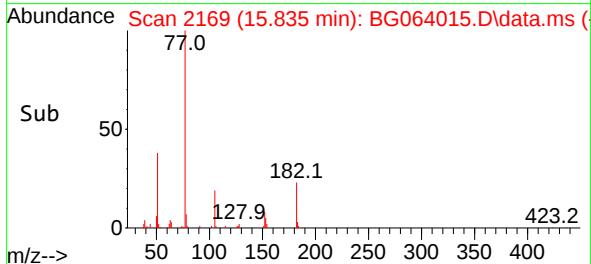
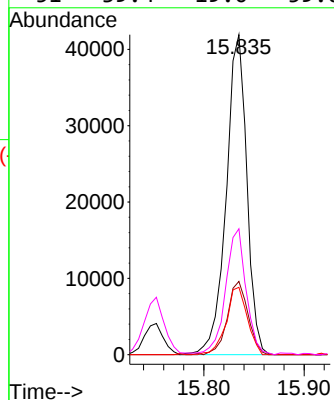
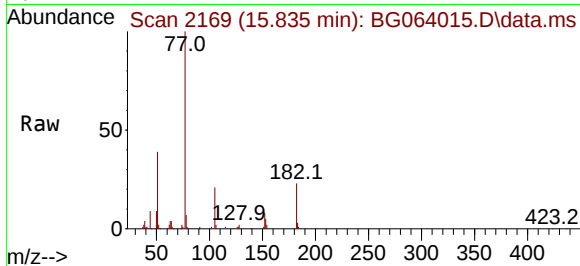




#63
Azobenzene
Concen: 4.169 ng
RT: 15.835 min Scan# 2170
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

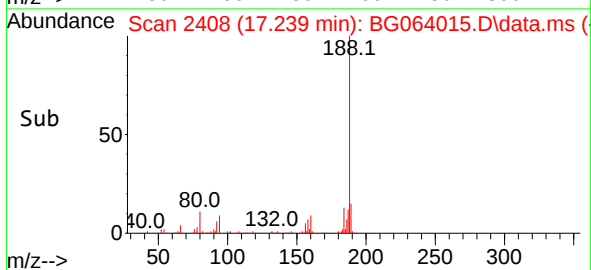
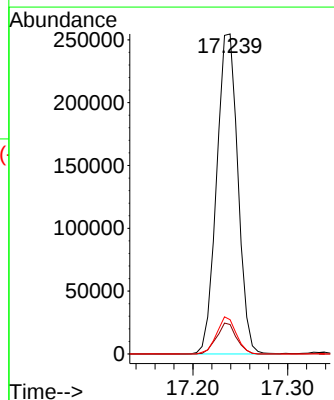
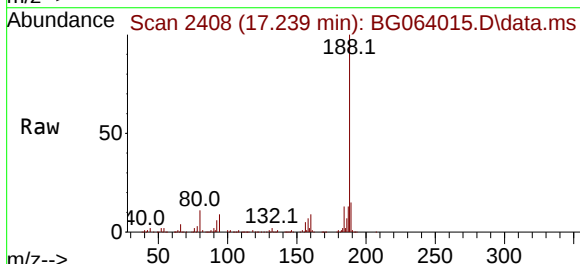
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

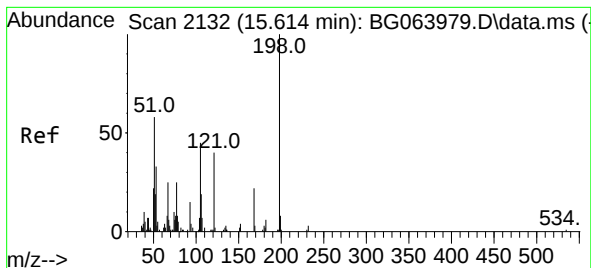
Tgt Ion: 77	Resp: 59834
Ion Ratio	Lower Upper
77 100	
182 22.9	2.3 42.3
105 21.1	1.0 41.0
51 39.4	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2408
Delta R.T. 0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:188	Resp: 396729		
Ion Ratio	Lower	Upper	
188 100			
94 9.2	8.6	13.0	
80 10.7	8.5	12.7	

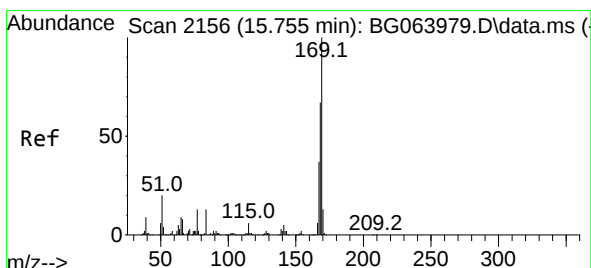
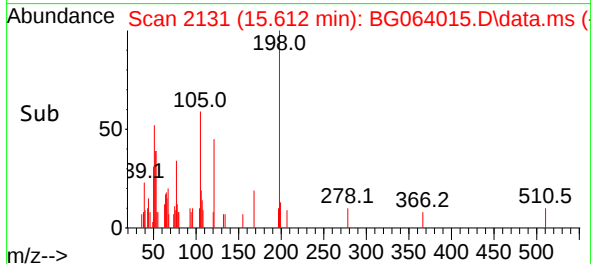
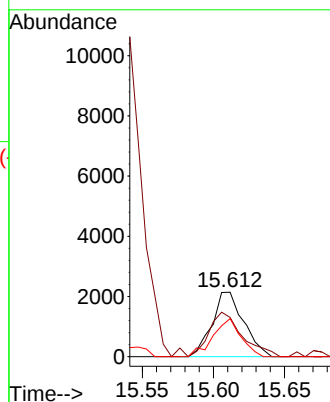
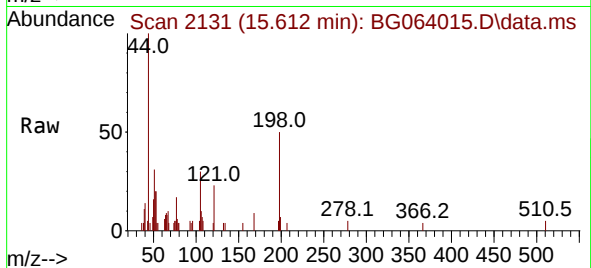




#65
4,6-Dinitro-2-methylphenol
Concen: 7.815 ng
RT: 15.612 min Scan# 2132
Delta R.T. -0.002 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

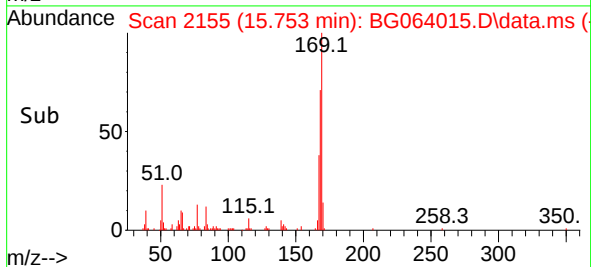
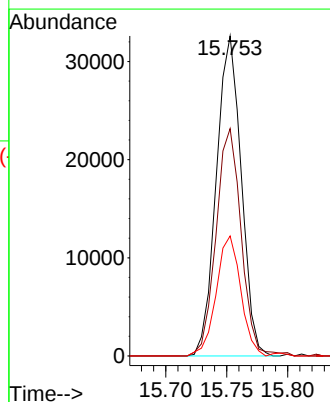
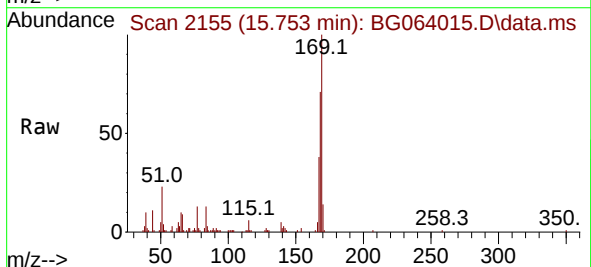
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

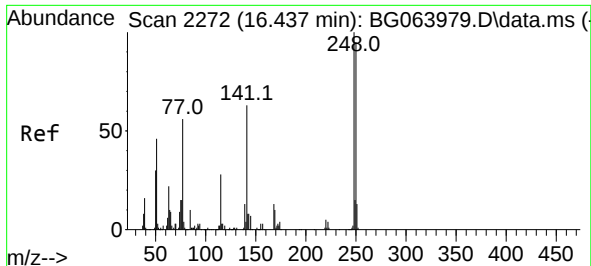
Tgt Ion:198 Resp: 3317
Ion Ratio Lower Upper
198 100
51 60.8 45.4 85.4
105 59.0 27.7 67.7



#66
n-Nitrosodiphenylamine
Concen: 4.208 ng
RT: 15.753 min Scan# 2155
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:169 Resp: 46290
Ion Ratio Lower Upper
169 100
168 71.1 53.5 80.3
167 37.5 30.0 45.0

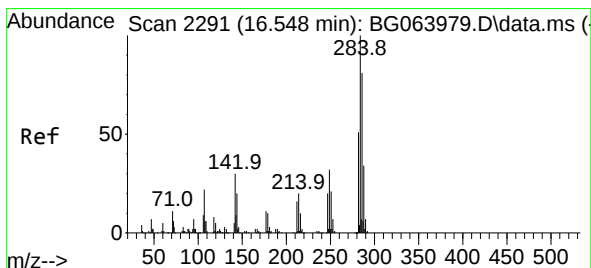
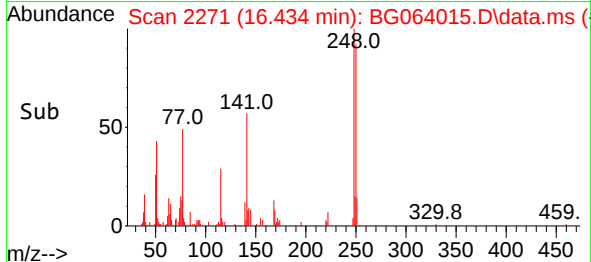
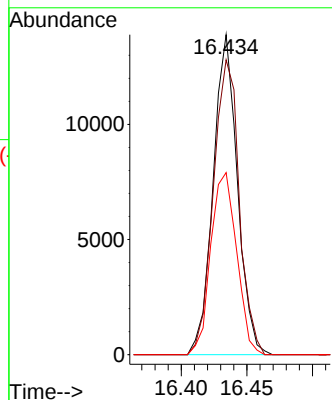
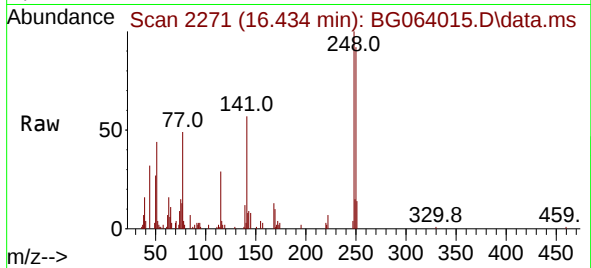




#67
4-Bromophenyl-phenylether
Concen: 4.515 ng
RT: 16.434 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

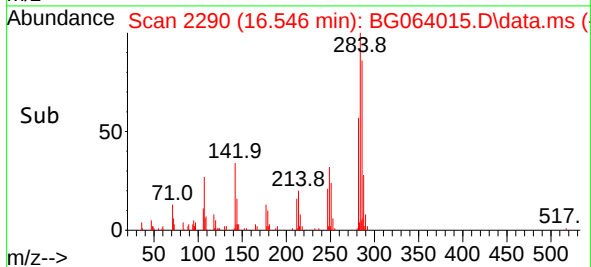
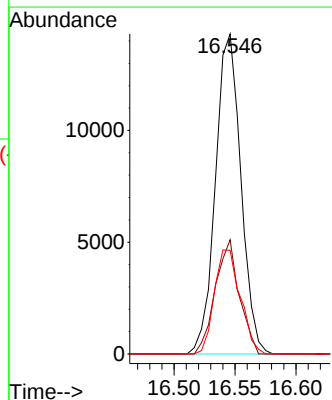
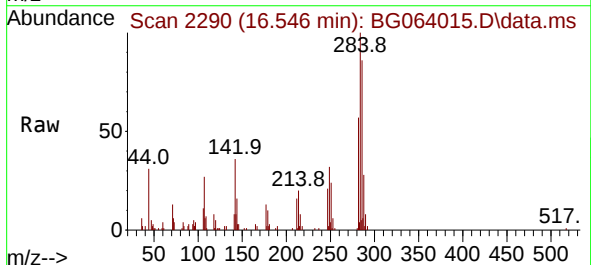
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

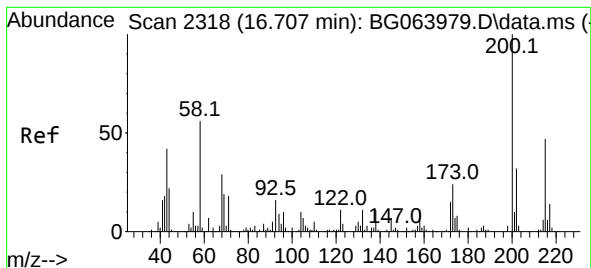
Tgt Ion:248 Resp: 17828
Ion Ratio Lower Upper
248 100
250 92.1 76.2 114.4
141 56.9 50.6 75.8



#68
Hexachlorobenzene
Concen: 4.473 ng
RT: 16.546 min Scan# 2290
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:284 Resp: 20765
Ion Ratio Lower Upper
284 100
142 35.7 23.8 35.8
249 32.4 25.9 38.9





#69

Atrazine

Concen: 4.609 ng

RT: 16.699 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

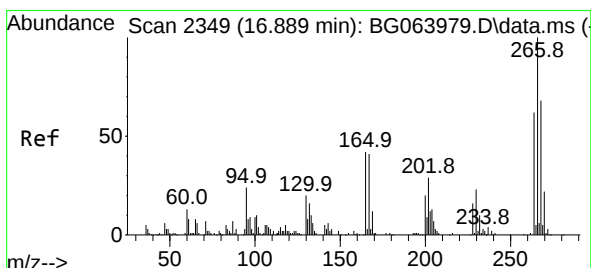
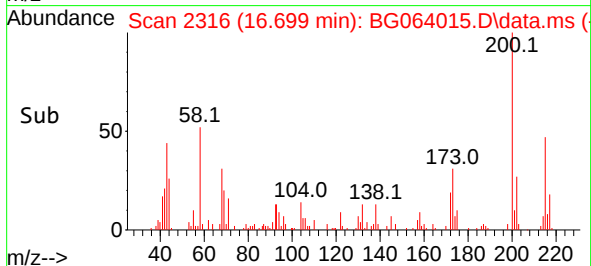
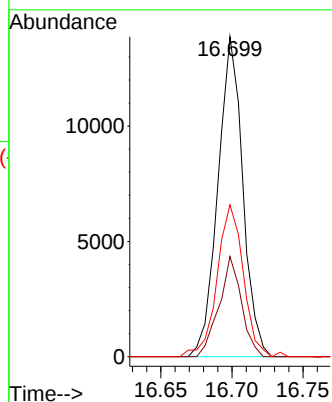
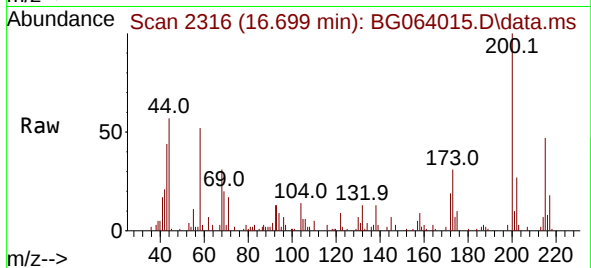
Tgt Ion:200 Resp: 16873

Ion Ratio Lower Upper

200 100

173 31.3 3.8 43.8

215 47.5 26.6 66.6



#70

Pentachlorophenol

Concen: 11.486 ng

RT: 16.881 min Scan# 2347

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

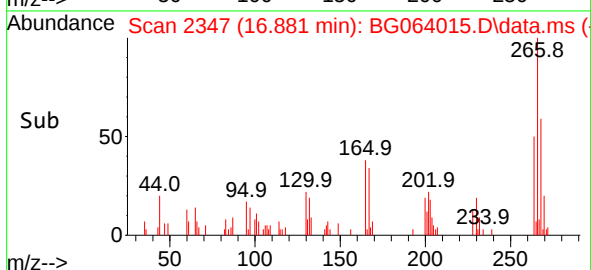
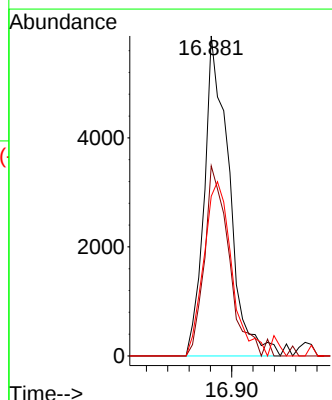
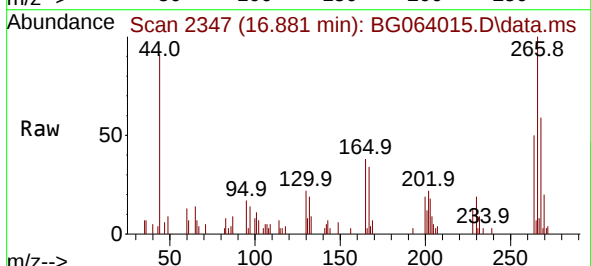
Tgt Ion:266 Resp: 9515

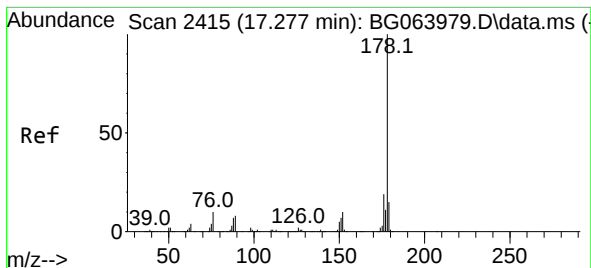
Ion Ratio Lower Upper

266 100

268 59.4 54.8 82.2

264 49.9 50.0 75.0#





#71

Phenanthrene

Concen: 4.552 ng

RT: 17.280 min Scan# 2415

Delta R.T. 0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

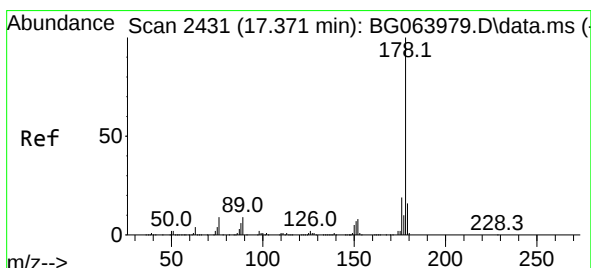
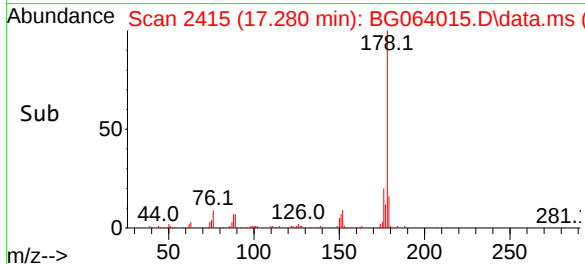
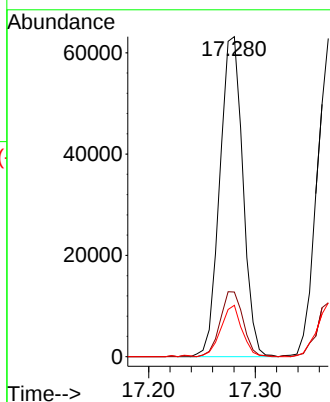
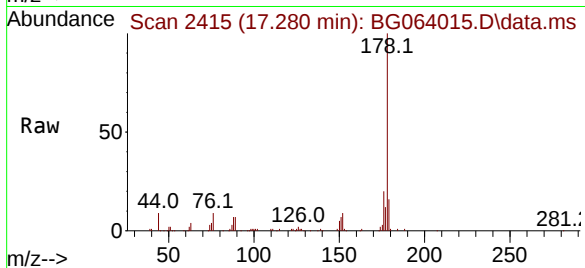
Tgt Ion:178 Resp: 94854

Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

179 16.1 12.2 18.4



#72

Anthracene

Concen: 4.309 ng

RT: 17.368 min Scan# 2430

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

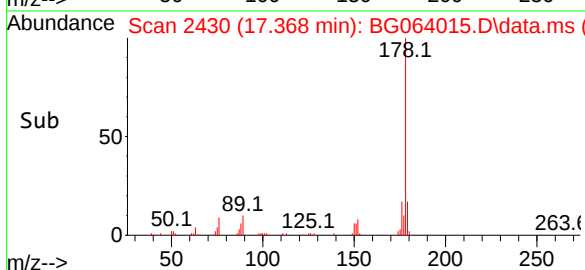
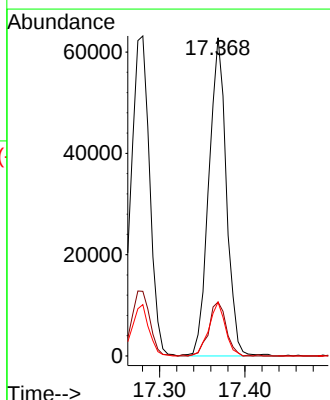
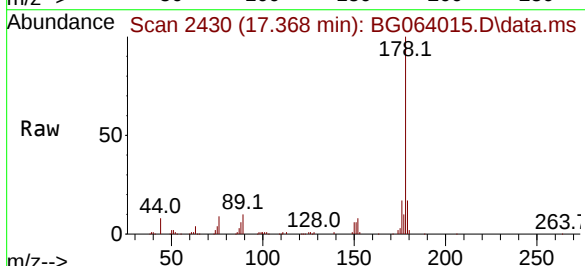
Tgt Ion:178 Resp: 89836

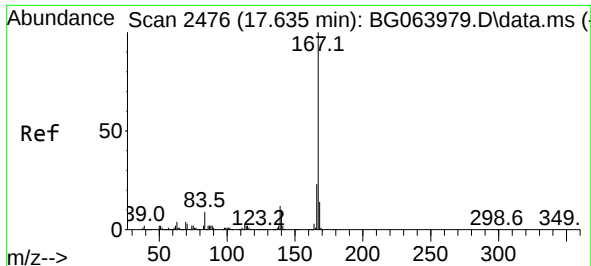
Ion Ratio Lower Upper

178 100

176 16.9 15.0 22.4

179 16.9 12.8 19.2

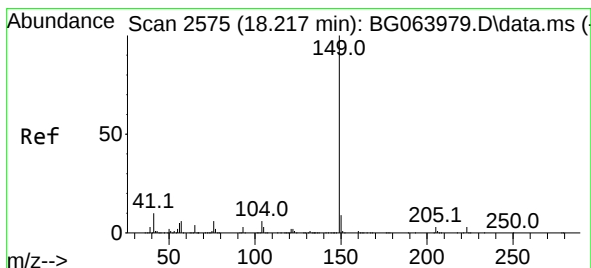
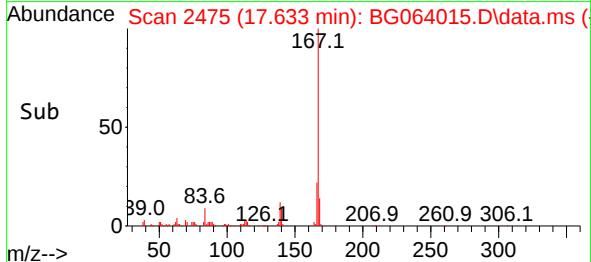
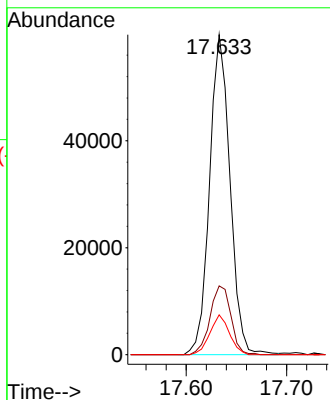
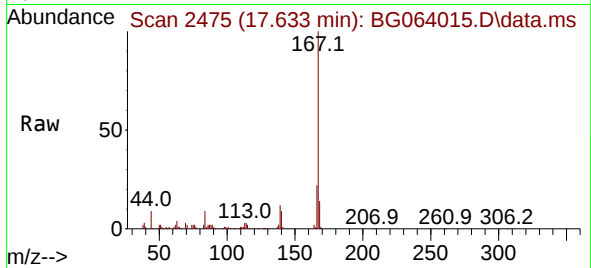




#73
 Carbazole
 Concen: 4.340 ng
 RT: 17.633 min Scan# 2476
 Delta R.T. -0.003 min
 Lab File: BG064015.D
 Acq: 6 Feb 2025 13:28

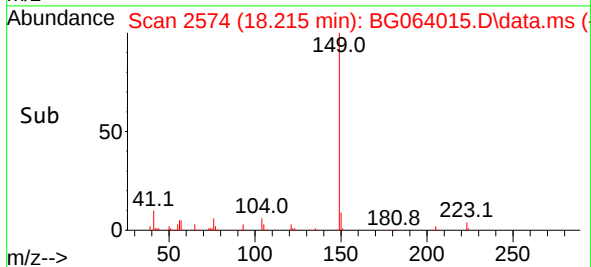
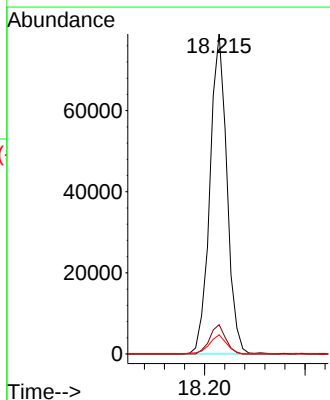
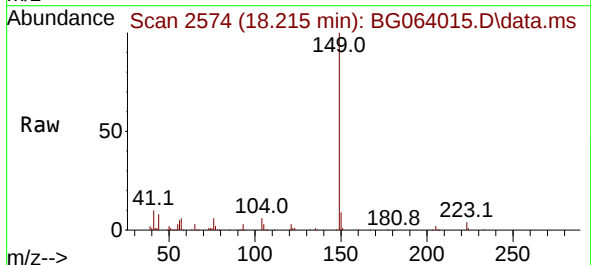
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

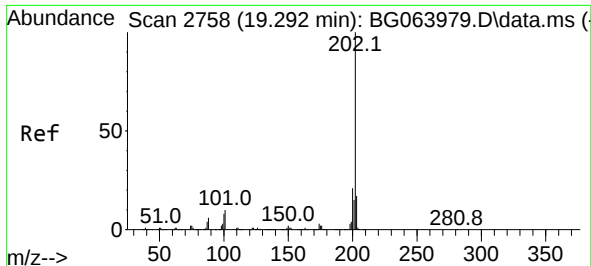
Tgt Ion:167 Resp: 84700
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.6 28.0
 139 12.4 9.8 14.8



#74
 Di-n-butylphthalate
 Concen: 4.567 ng
 RT: 18.215 min Scan# 2574
 Delta R.T. -0.003 min
 Lab File: BG064015.D
 Acq: 6 Feb 2025 13:28

Tgt Ion:149 Resp: 92920
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 6.0 4.6 6.8

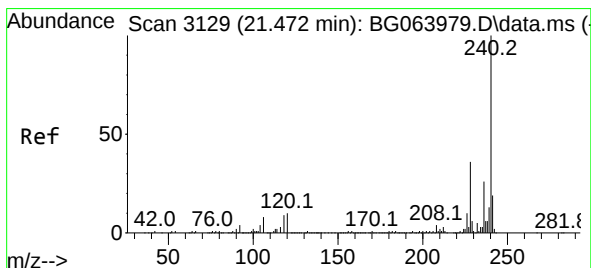
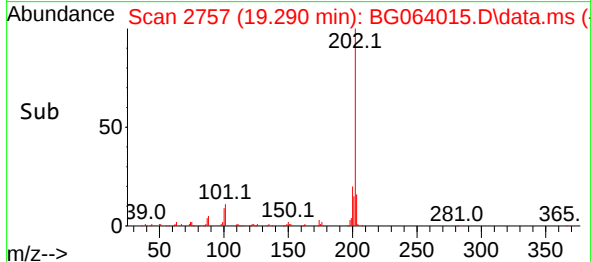
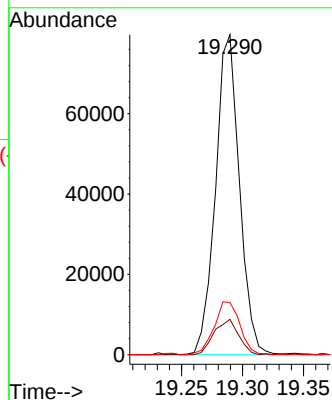
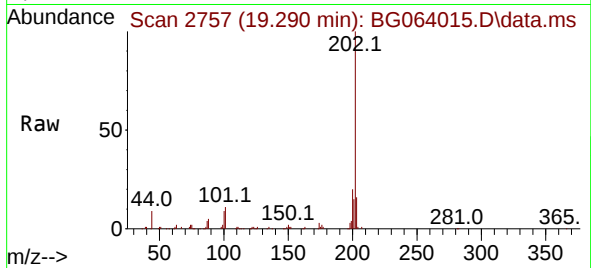




#75
Fluoranthene
Concen: 4.285 ng
RT: 19.290 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

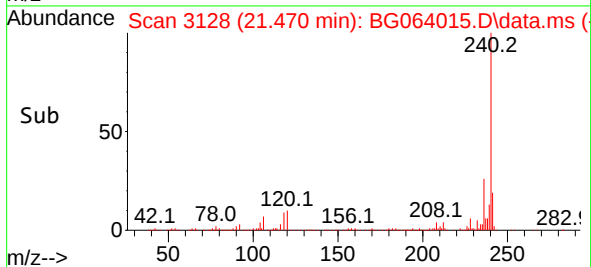
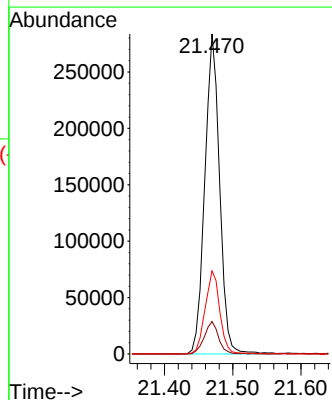
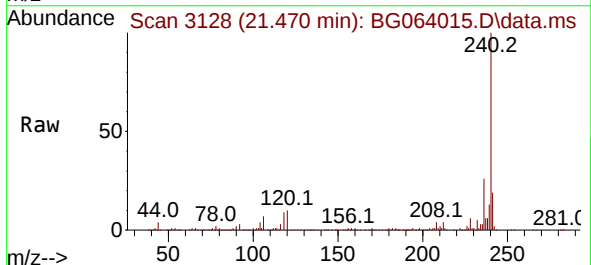
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

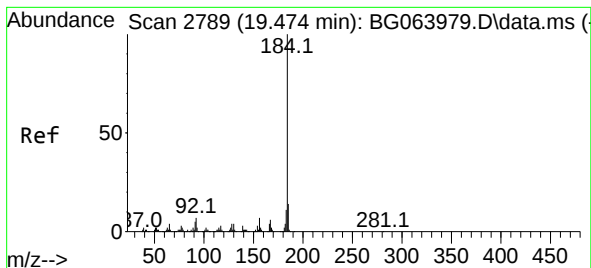
Tgt Ion:202 Resp: 108725
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.4
203 16.3 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.470 min Scan# 3128
Delta R.T. -0.003 min
Lab File: BG064015.D
Acq: 6 Feb 2025 13:28

Tgt Ion:240 Resp: 428033
Ion Ratio Lower Upper
240 100
120 10.1 7.9 11.9
236 25.9 21.0 31.6





#77

Benzidine

Concen: 2.653 ng

RT: 19.466 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

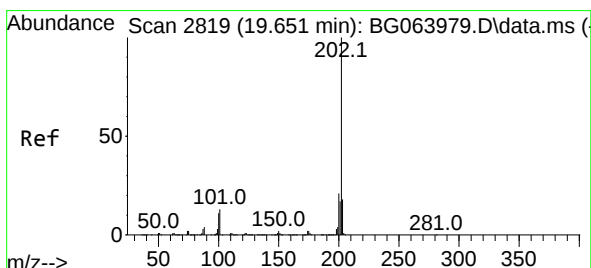
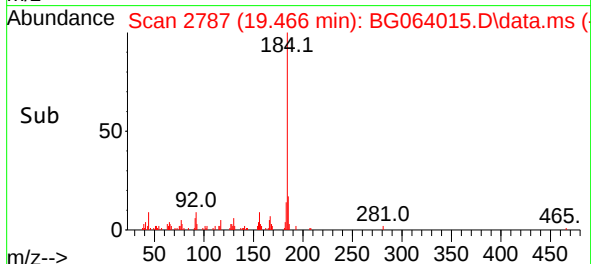
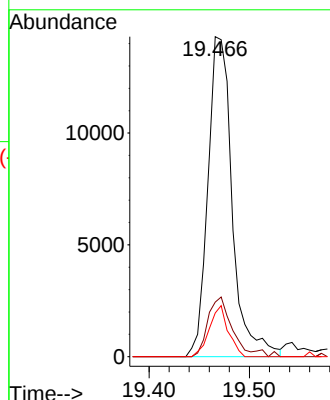
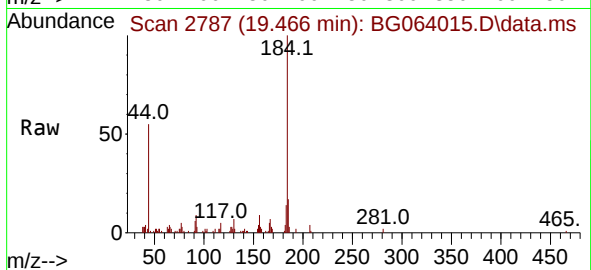
Tgt Ion:184 Resp: 24179

Ion Ratio Lower Upper

184 100

185 17.0 11.2 16.8#

183 13.6 8.7 13.1#



#78

Pyrene

Concen: 4.953 ng

RT: 19.648 min Scan# 2818

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

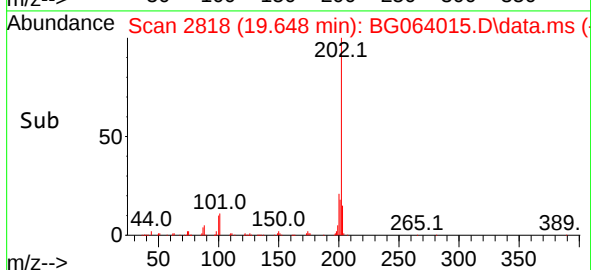
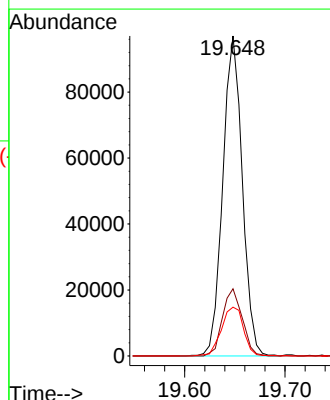
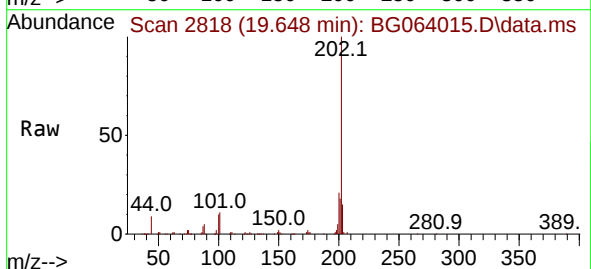
Tgt Ion:202 Resp: 130885

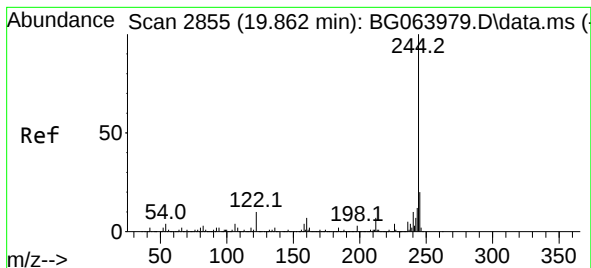
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 15.2 14.5 21.7





#79

Terphenyl-d14

Concen: 90.769 ng

RT: 19.860 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

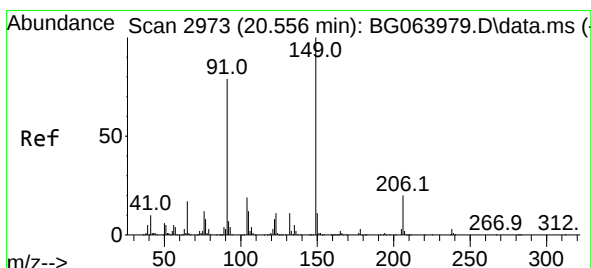
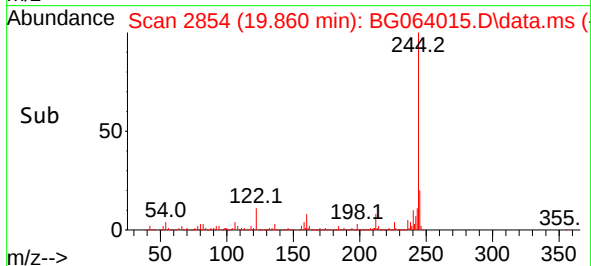
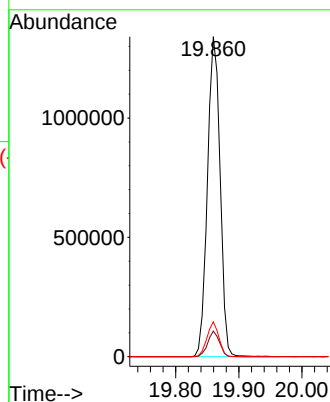
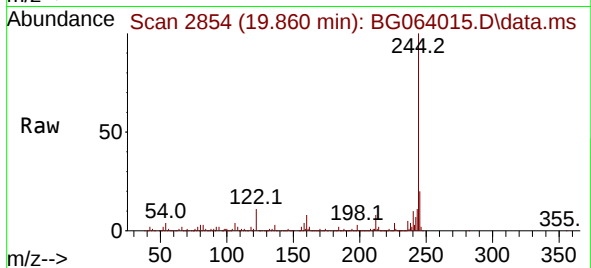
Tgt Ion:244 Resp: 1860320

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

122 10.9 7.7 11.5



#80

Butylbenzylphthalate

Concen: 8.945 ng

RT: 20.553 min Scan# 2972

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

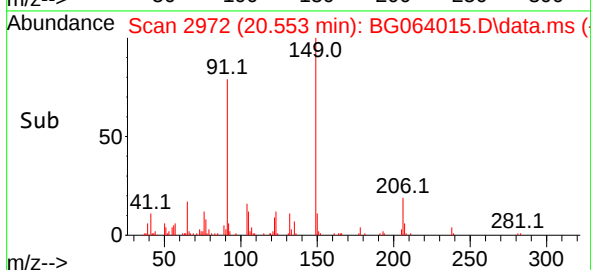
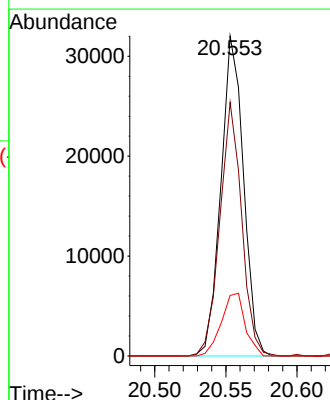
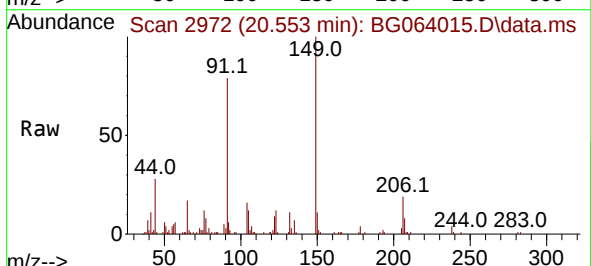
Tgt Ion:149 Resp: 35366

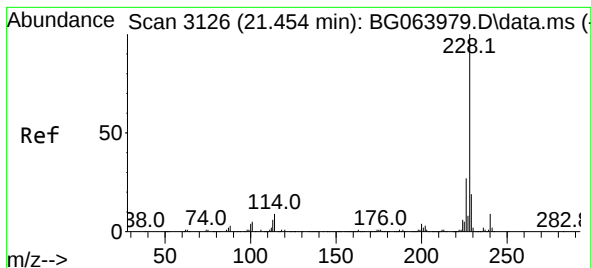
Ion Ratio Lower Upper

149 100

91 79.2 63.0 94.6

206 18.9 15.8 23.6





#81

Benzo(a)anthracene

Concen: 4.662 ng

RT: 21.452 min Scan# 3126

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

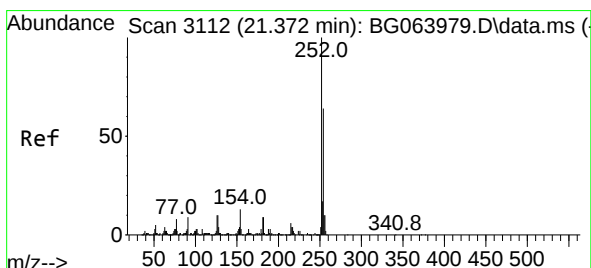
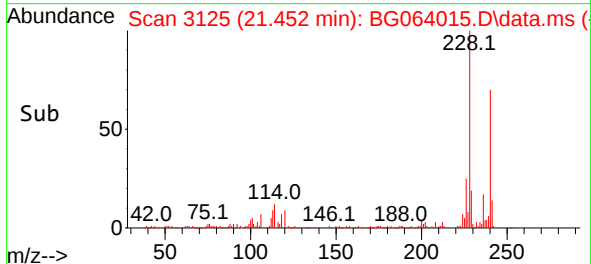
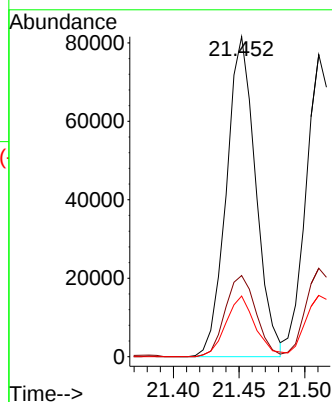
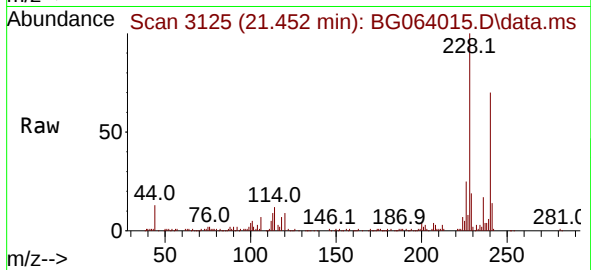
Tgt Ion:228 Resp: 126694

Ion Ratio Lower Upper

228 100

226 25.4 21.8 32.6

229 19.0 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 4.503 ng

RT: 21.375 min Scan# 3112

Delta R.T. 0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

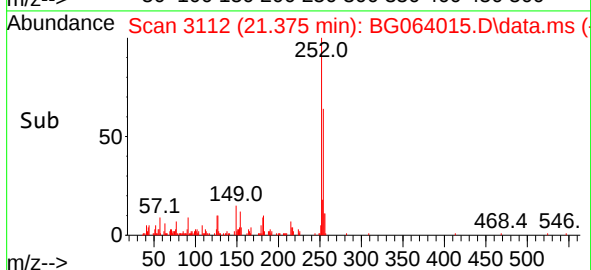
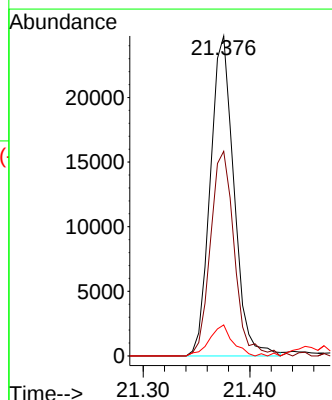
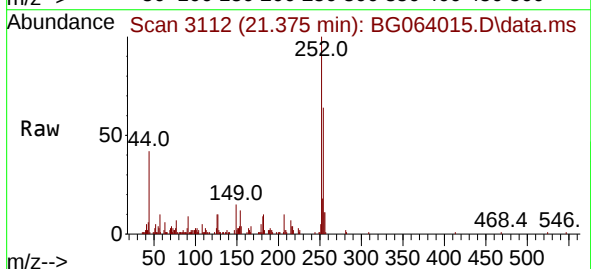
Tgt Ion:252 Resp: 38113

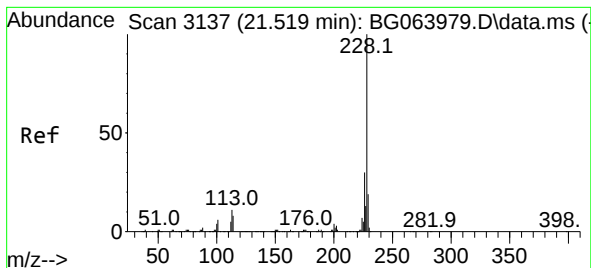
Ion Ratio Lower Upper

252 100

254 64.0 50.8 76.2

126 9.7 8.2 12.2





#83

Chrysene

Concen: 4.534 ng

RT: 21.511 min Scan# 3115

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

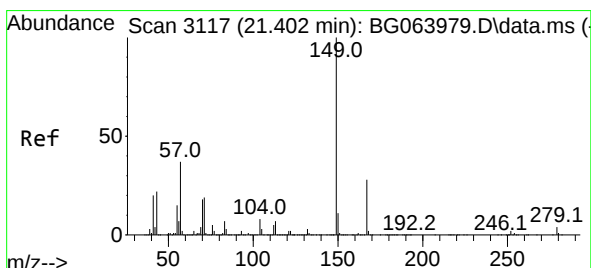
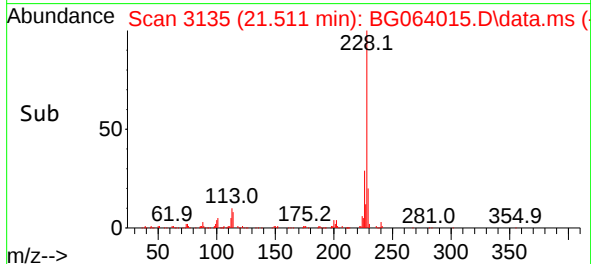
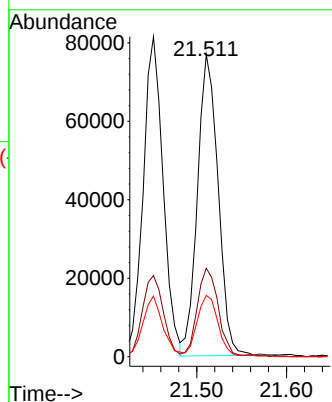
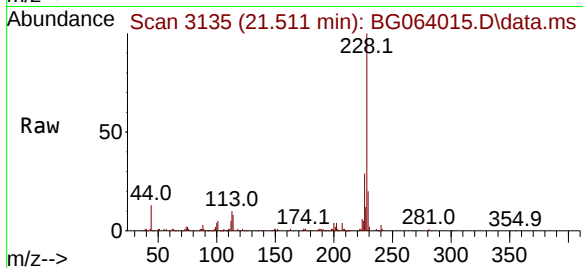
Tgt Ion:228 Resp: 122624

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.2

229 20.3 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.121 ng

RT: 21.393 min Scan# 3115

Delta R.T. -0.009 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

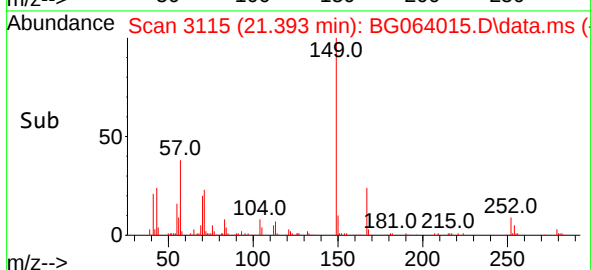
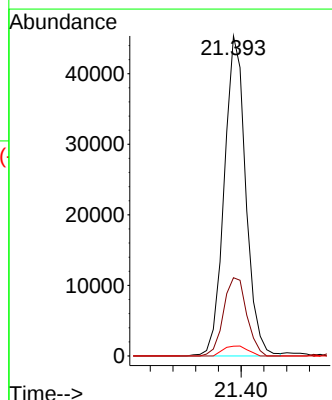
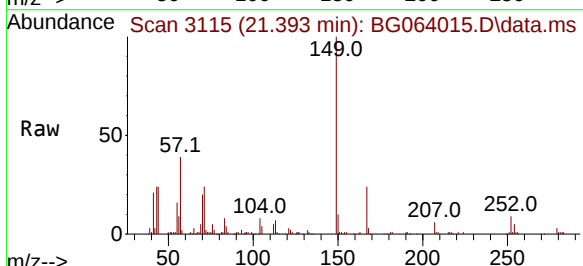
Tgt Ion:149 Resp: 59599

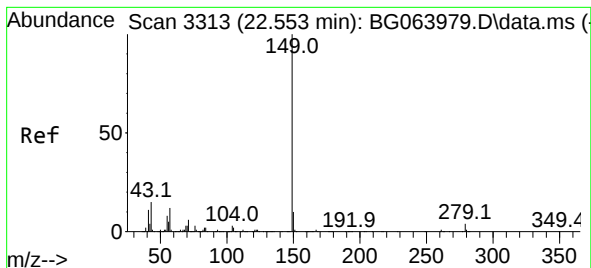
Ion Ratio Lower Upper

149 100

167 24.5 22.5 33.7

279 3.0 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 10.279 ng

RT: 22.545 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

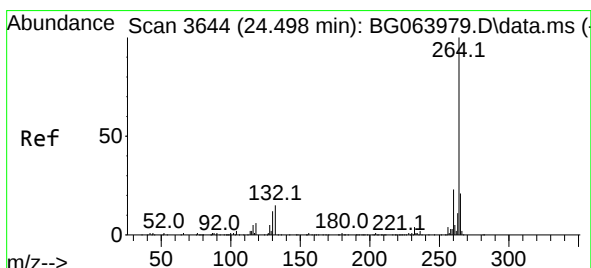
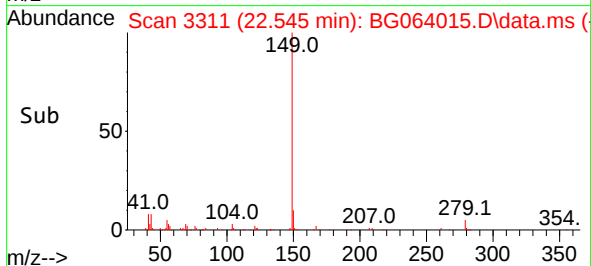
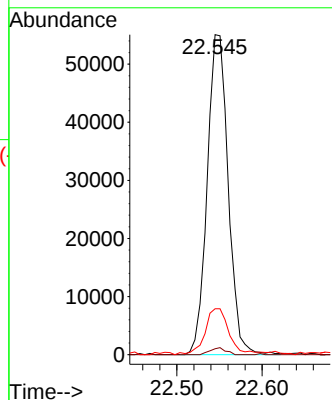
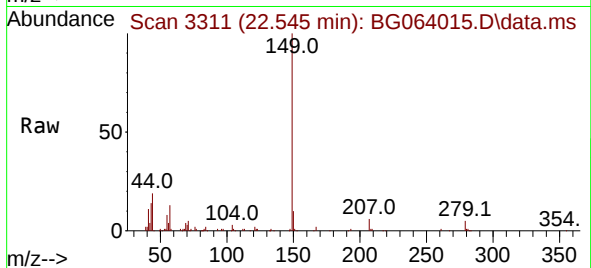
Tgt Ion:149 Resp: 94474

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 16.5 12.3 18.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.495 min Scan# 3643

Delta R.T. -0.003 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

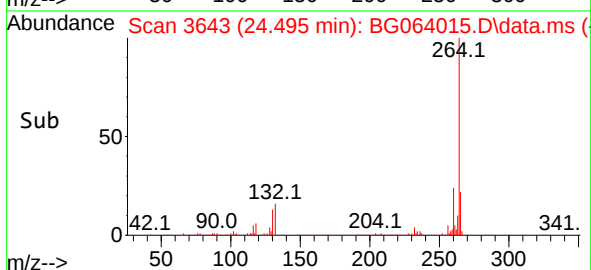
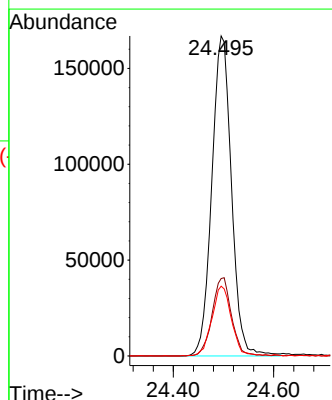
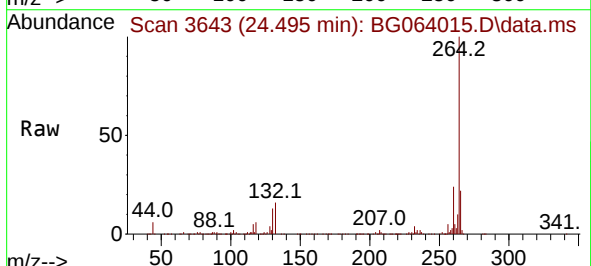
Tgt Ion:264 Resp: 453324

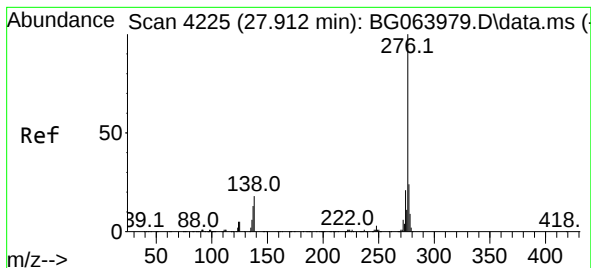
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 21.8 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.622 ng

RT: 27.897 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

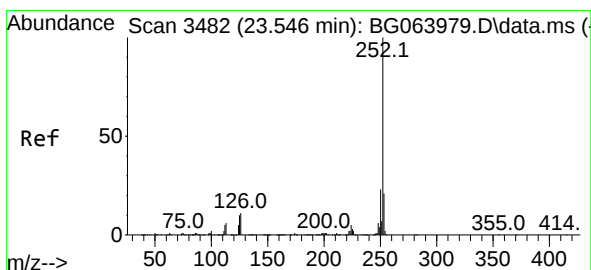
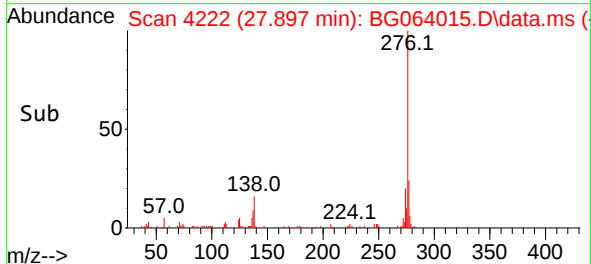
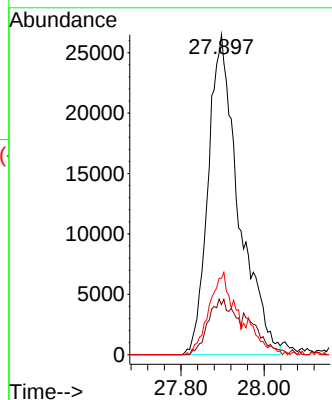
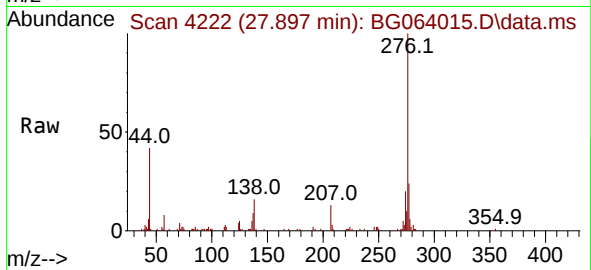
Tgt Ion:276 Resp: 135159

Ion Ratio Lower Upper

276 100

138 15.2 10.7 16.1

277 21.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 4.447 ng

RT: 23.538 min Scan# 3480

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

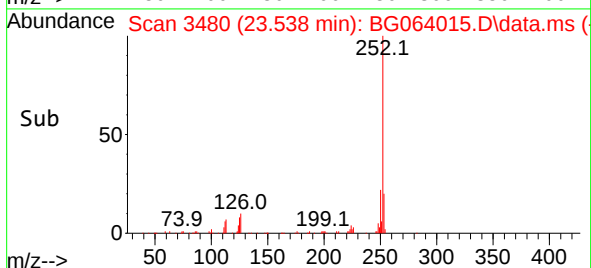
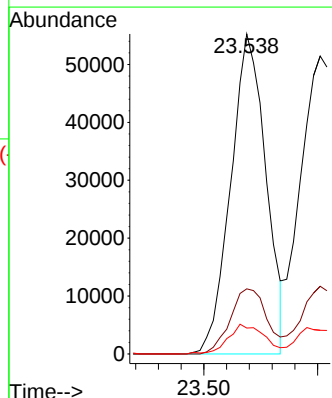
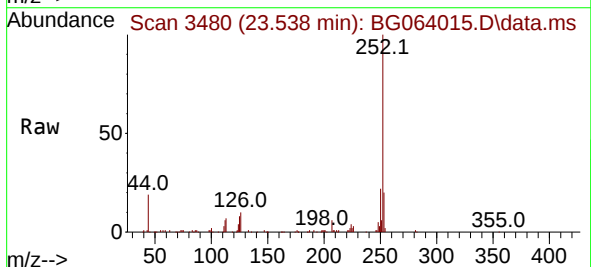
Tgt Ion:252 Resp: 118717

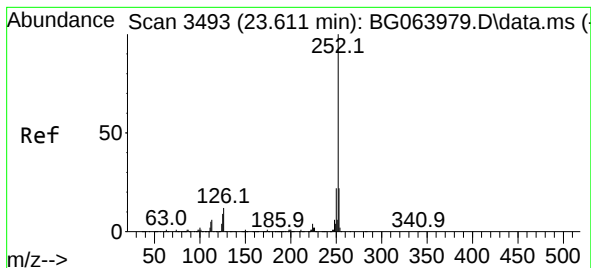
Ion Ratio Lower Upper

252 100

253 20.3 16.9 25.3

125 8.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 4.453 ng

RT: 23.602 min Scan# 3491

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

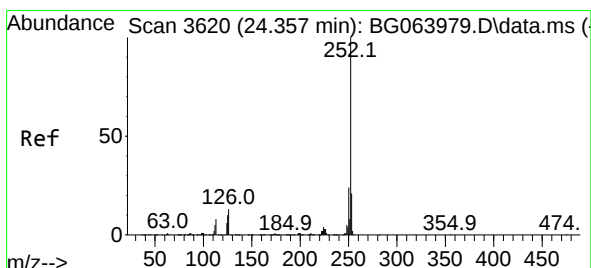
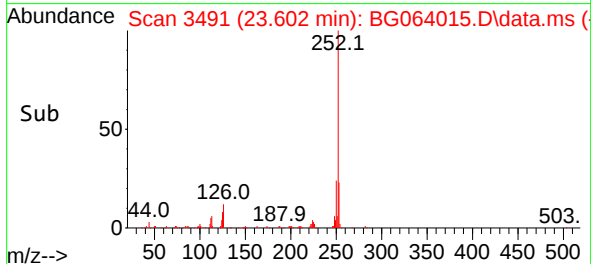
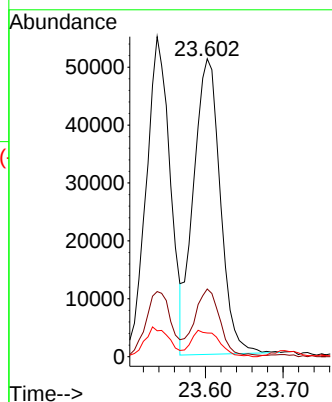
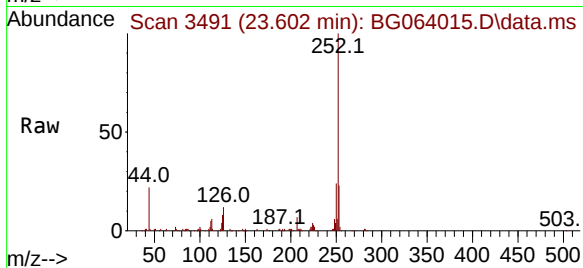
Tgt Ion:252 Resp: 122043

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 7.9 7.5 11.3



#90

Benzo(a)pyrene

Concen: 4.571 ng

RT: 24.348 min Scan# 3618

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

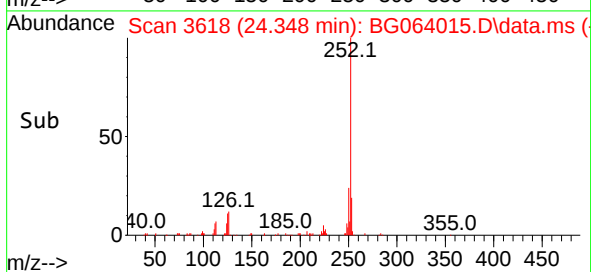
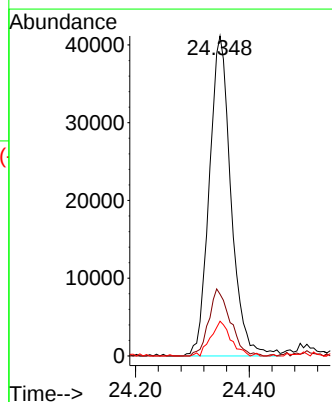
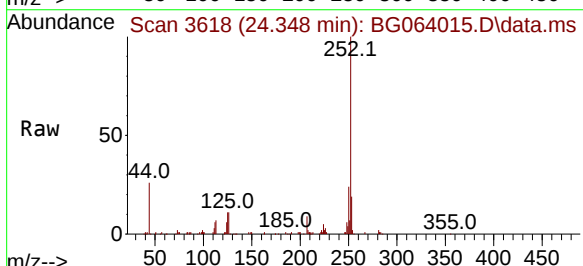
Tgt Ion:252 Resp: 108911

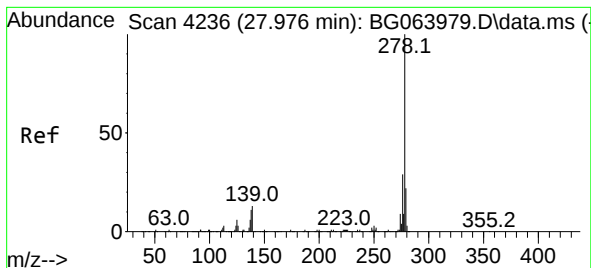
Ion Ratio Lower Upper

252 100

253 19.3 17.1 25.7

125 10.8 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 4.466 ng

RT: 27.968 min Scan# 41

Delta R.T. -0.008 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2025

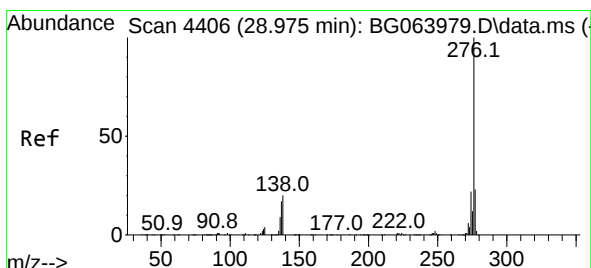
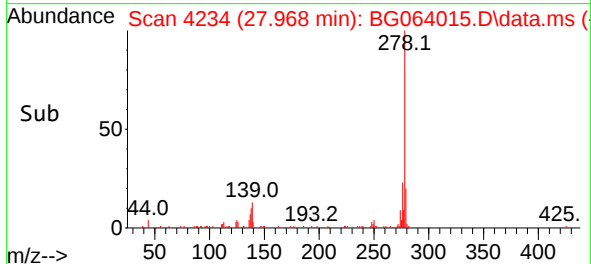
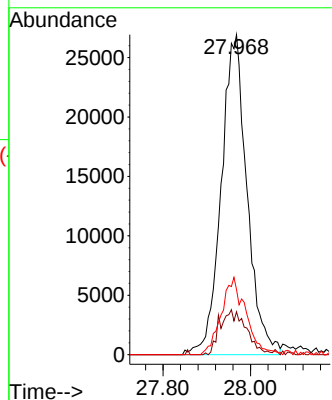
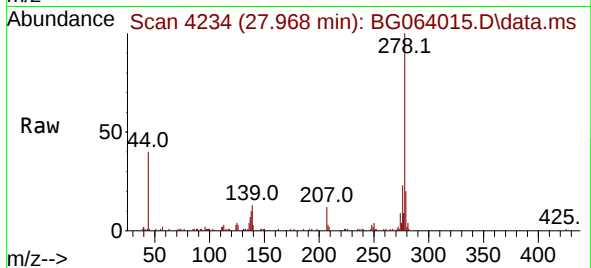
Tgt Ion:278 Resp: 110275

Ion Ratio Lower Upper

278 100

139 16.7 10.8 16.2#

279 20.4 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 4.293 ng

RT: 28.955 min Scan# 4402

Delta R.T. -0.020 min

Lab File: BG064015.D

Acq: 6 Feb 2025 13:28

Tgt Ion:276 Resp: 107022

Ion Ratio Lower Upper

276 100

277 21.7 18.2 27.4

138 16.1 15.8 23.6

