

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090524\
 Data File : BG062661.D
 Acq On : 5 Sep 2024 11:10
 Operator : MA/JU
 Sample : P3390-03
 Misc : MDL-SOIL-4 ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Sep 05 12:56:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	53576	20.000	ng	0.00
21) Naphthalene-d8	10.714	136	226159	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	186253	20.000	ng	0.00
64) Phenanthrene-d10	17.288	188	514802	20.000	ng	0.00
76) Chrysene-d12	21.530	240	580074	20.000	ng	0.00
86) Perylene-d12	24.603	264	654115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	353394	114.017	ng	0.00
7) Phenol-d6	7.089	99	502864	112.305	ng	0.00
23) Nitrobenzene-d5	9.074	82	342508	81.563	ng	0.00
42) 2,4,6-Tribromophenol	16.031	330	341122	130.141	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	910935	79.221	ng	0.00
79) Terphenyl-d14	19.909	244	2036152	69.601	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.411	88	5657	4.381	ng	98
3) Pyridine	3.810	79	14096	3.789	ng	# 88
4) n-Nitrosodimethylamine	3.716	42	7312	4.043	ng	# 82
6) Aniline	7.247	93	17828	4.262	ng	92
8) 2-Chlorophenol	7.488	128	12986	3.902	ng	82
9) Benzaldehyde	7.065	77	13436	5.159	ng	92
10) Phenol	7.112	94	16783	3.702	ng	84
11) bis(2-Chloroethyl)ether	7.341	93	13651	3.933	ng	92
12) 1,3-Dichlorobenzene	7.811	146	13589	3.721	ng	89
13) 1,4-Dichlorobenzene	7.958	146	14868	3.956	ng	96
14) 1,2-Dichlorobenzene	8.275	146	13608	3.684	ng	94
15) Benzyl Alcohol	8.158	79	11211	3.384	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.440	45	23879	3.610	ng	99
17) 2-Methylphenol	8.364	107	9907	3.135	ng	91
18) Hexachloroethane	9.004	117	4987	3.539	ng	# 75
19) n-Nitroso-di-n-propyla...	8.716	70	10738	3.043	ng	# 95
20) 3+4-Methylphenols	8.687	107	14036	3.011	ng	97
22) Acetophenone	8.740	105	23015	3.772	ng	# 97
24) Nitrobenzene	9.116	77	17512	3.922	ng	97
25) Isophorone	9.639	82	31177	3.382	ng	96
26) 2-Nitrophenol	9.827	139	5750	3.408	ng	91
27) 2,4-Dimethylphenol	9.885	122	7770	3.143	ng	98
28) bis(2-Chloroethoxy)met...	10.120	93	17071	3.459	ng	99
29) 2,4-Dichlorophenol	10.361	162	12147	3.515	ng	91
30) 1,2,4-Trichlorobenzene	10.579	180	16774	4.094	ng	99
31) Naphthalene	10.761	128	44075	3.932	ng	97
33) 4-Chloroaniline	10.872	127	16812	3.811	ng	99
34) Hexachlorobutadiene	11.055	225	10900	3.809	ng	94
35) Caprolactam	11.601	113	4596	3.449	ng	# 88
36) 4-Chloro-3-methylphenol	11.989	107	12872	3.088	ng	98
37) 2-Methylnaphthalene	12.371	142	31458	3.618	ng	95
38) 1-Methylnaphthalene	12.594	142	30581	3.503	ng	# 97
40) 1,2,4,5-Tetrachloroben...	12.741	216	21741	3.881	ng	98
41) Hexachlorocyclopentadiene	12.723	237	5189	3.247	ng	96
43) 2,4,6-Trichlorophenol	13.052	196	13872	3.907	ng	98
44) 2,4,5-Trichlorophenol	13.052	196	13872	3.450	ng	97

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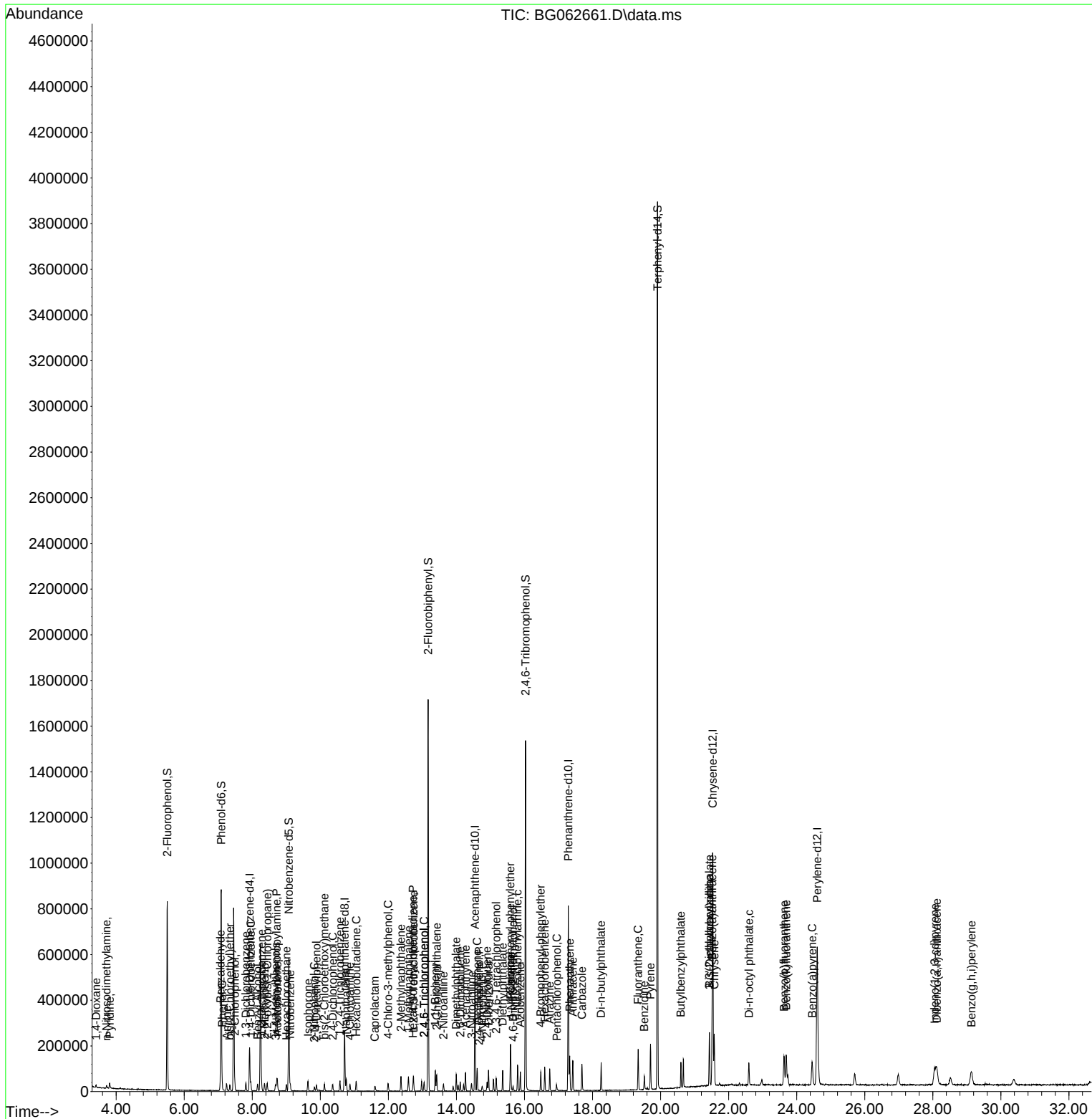
Quant Time: Sep 05 12:56:55 2024
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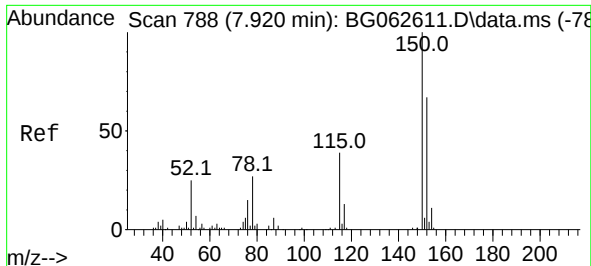
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.375	154	50457	4.061	ng	93
47) 2-Chloronaphthalene	13.422	162	37703	3.744	ng	94
48) 2-Nitroaniline	13.622	65	9121	3.444	ng	96
49) Acenaphthylene	14.268	152	59811	4.011	ng	98
50) Dimethylphthalate	13.992	163	51584	3.788	ng	# 99
51) 2,6-Dinitrotoluene	14.116	165	8660	3.362	ng	92
52) Acenaphthene	14.609	154	35132	3.768	ng	99
53) 3-Nitroaniline	14.445	138	8268	3.317	ng	96
54) 2,4-Dinitrophenol	14.662	184	1701	1.177	ng	92
55) Dibenzofuran	14.944	168	63050	3.944	ng	99
56) 4-Nitrophenol	14.756	139	6357	3.009	ng	95
57) 2,4-Dinitrotoluene	14.897	165	11919	3.391	ng	# 93
58) Fluorene	15.590	166	48014	3.827	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.167	232	13960	3.665	ng	# 98
60) Diethylphthalate	15.361	149	49686	3.681	ng	98
61) 4-Chlorophenyl-phenyle...	15.585	204	26927	3.738	ng	# 93
62) 4-Nitroaniline	15.602	138	9494	3.454	ng	94
63) Azobenzene	15.878	77	46277	3.651	ng	97
65) 4,6-Dinitro-2-methylph...	15.667	198	5455	2.374	ng	84
66) n-Nitrosodiphenylamine	15.796	169	46012	3.718	ng	97
67) 4-Bromophenyl-phenylether	16.478	248	20125	3.788	ng	92
68) Hexachlorobenzene	16.595	284	24232	3.851	ng	91
69) Atrazine	16.742	200	19847	4.721	ng	98
70) Pentachlorophenol	16.948	266	7567	1.878	ng	91
71) Phenanthrene	17.330	178	95509	3.975	ng	98
72) Anthracene	17.424	178	91974	3.893	ng	98
73) Carbazole	17.688	167	79457	3.658	ng	98
74) Di-n-butylphthalate	18.252	149	85251	3.481	ng	98
75) Fluoranthene	19.339	202	121235	3.989	ng	99
77) Benzidine	19.521	184	42411	4.056	ng	95
78) Pyrene	19.703	202	131356	3.562	ng	99
80) Butylbenzylphthalate	20.596	149	33235	3.069	ng	97
81) Benzo(a)anthracene	21.513	228	140677	3.845	ng	98
82) 3,3'-Dichlorobenzidine	21.431	252	44079	3.698	ng	# 91
83) Chrysene	21.577	228	138951	3.965	ng	97
84) Bis(2-ethylhexyl)phtha...	21.436	149	51223	3.113	ng	# 94
85) Di-n-octyl phthalate	22.594	149	83194	2.888	ng	98
87) Indeno(1,2,3-cd)pyrene	28.052	276	160105	3.817	ng	# 87
88) Benzo(b)fluoranthene	23.628	252	127179	3.520	ng	99
89) Benzo(k)fluoranthene	23.693	252	138172	3.910	ng	98
90) Benzo(a)pyrene	24.456	252	118721	3.720	ng	99
91) Dibenzo(a,h)anthracene	28.117	278	128918	3.731	ng	# 95
92) Benzo(g,h,i)perylene	29.133	276	121969	3.501	ng	# 95

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

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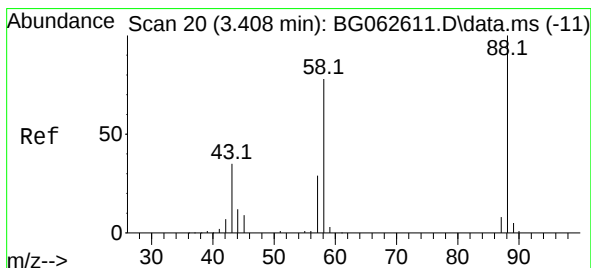
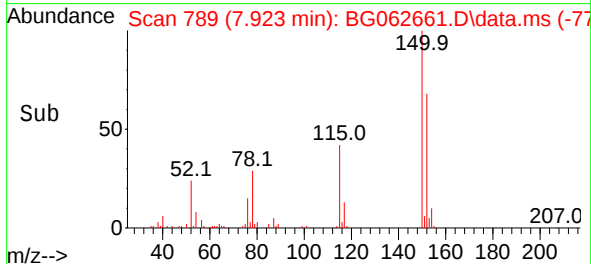
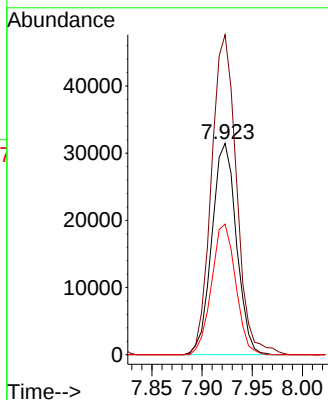
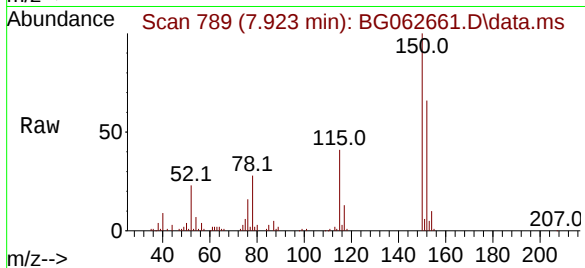




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

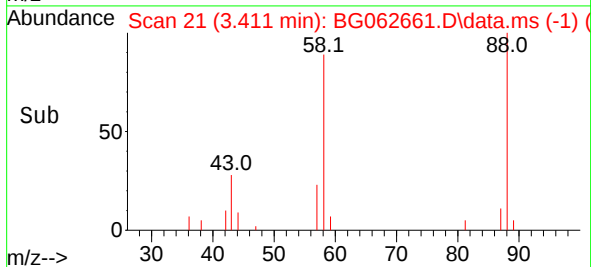
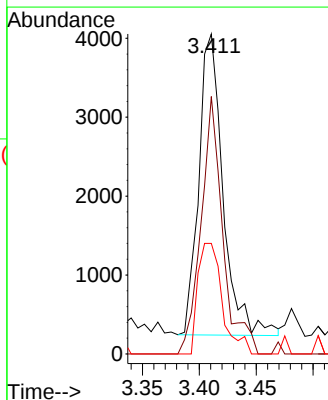
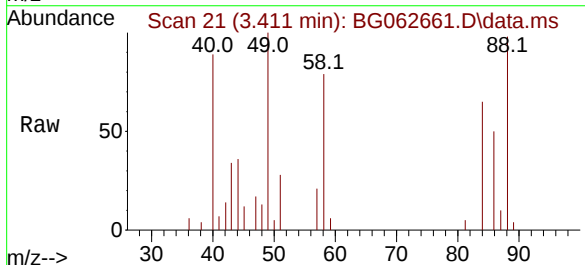
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BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

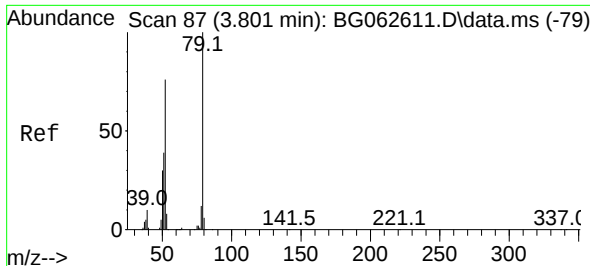
Tgt Ion:152 Resp: 53576
Ion Ratio Lower Upper
152 100
150 151.4 119.9 179.9
115 61.8 46.6 69.8



#2
1,4-Dioxane
Concen: 4.381 ng
RT: 3.411 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion: 88 Resp: 5657
Ion Ratio Lower Upper
88 100
58 76.7 62.3 93.5
43 36.9 27.5 41.3





#3

Pyridine

Concen: 3.789 ng

RT: 3.810 min Scan# 80

Delta R.T. 0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

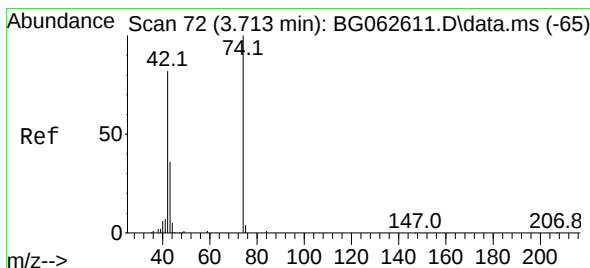
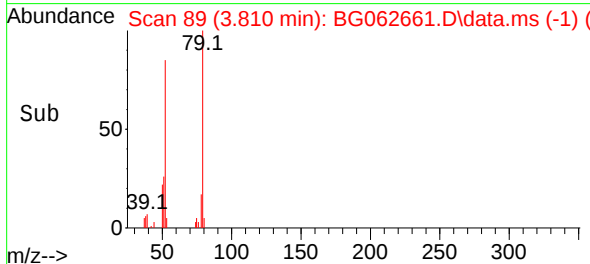
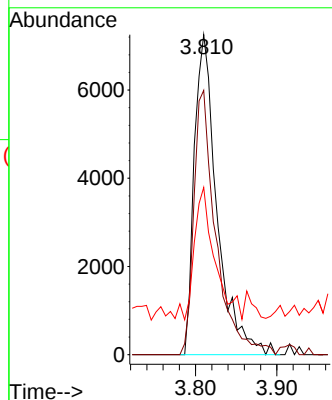
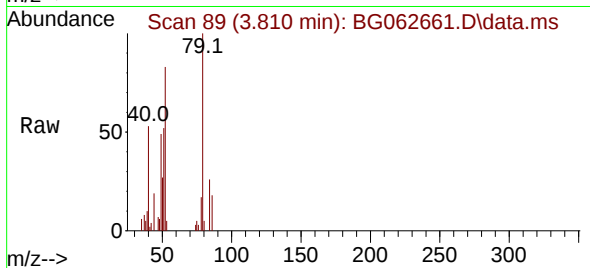
Tgt Ion: 79 Resp: 14096

Ion Ratio Lower Upper

79 100

52 82.6 60.9 91.3

51 52.3 31.5 47.3#



#4

n-Nitrosodimethylamine

Concen: 4.043 ng

RT: 3.716 min Scan# 73

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

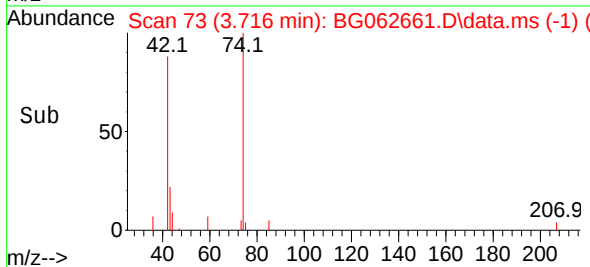
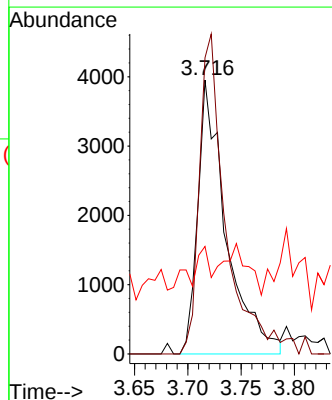
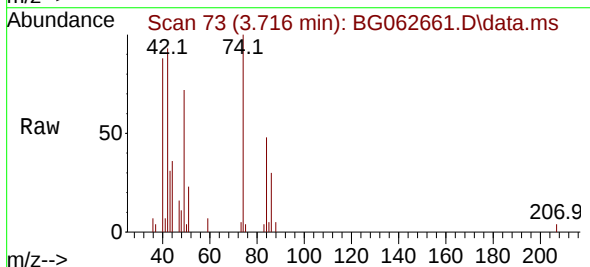
Tgt Ion: 42 Resp: 7312

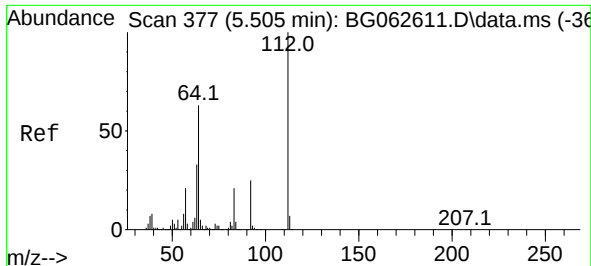
Ion Ratio Lower Upper

42 100

74 108.1 98.0 147.0

44 39.3 7.4 11.2#

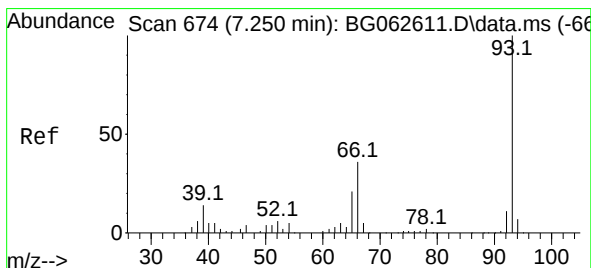
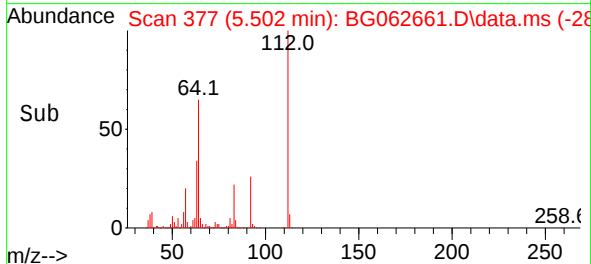
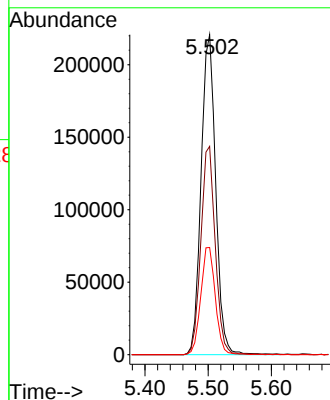
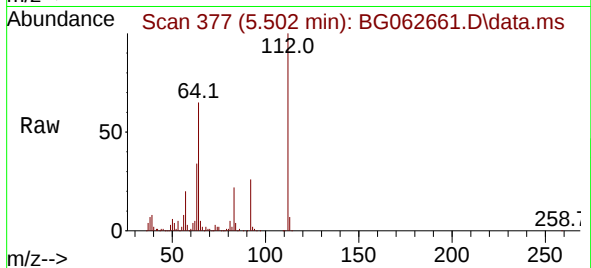




#5
2-Fluorophenol
Concen: 114.017 ng
RT: 5.502 min Scan# 377
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

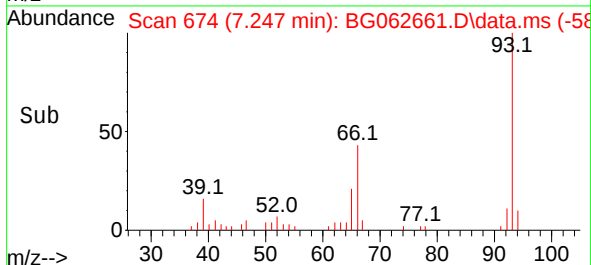
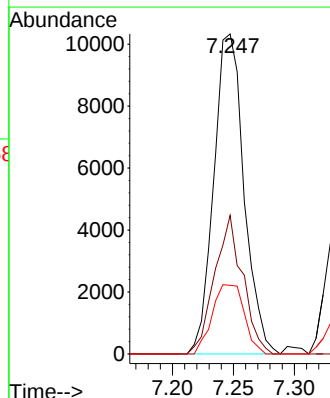
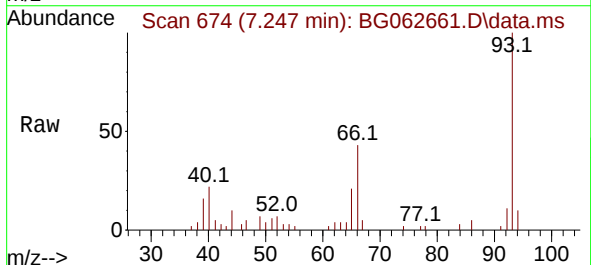
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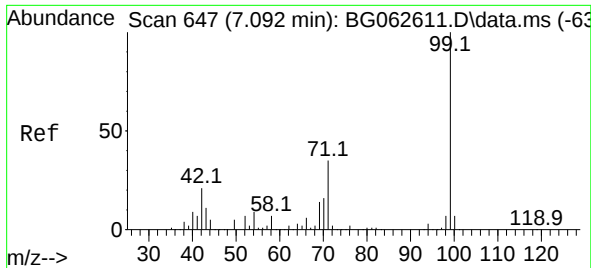
Tgt Ion:112 Resp: 353394
Ion Ratio Lower Upper
112 100
64 65.1 50.2 75.2
63 33.5 26.6 39.8



#6
Aniline
Concen: 4.262 ng
RT: 7.247 min Scan# 674
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion: 93 Resp: 17828
Ion Ratio Lower Upper
93 100
66 43.3 29.1 43.7
65 21.5 16.6 25.0

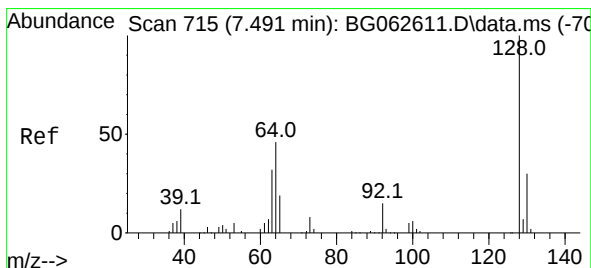
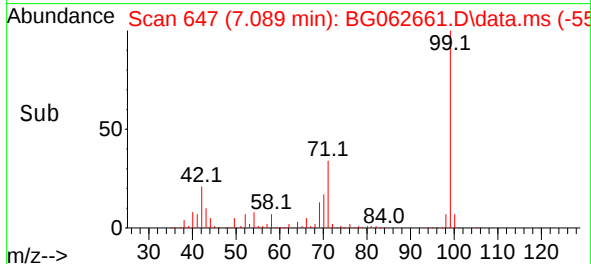
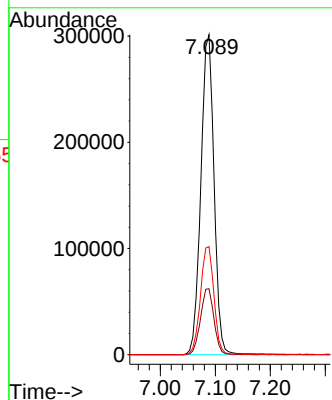
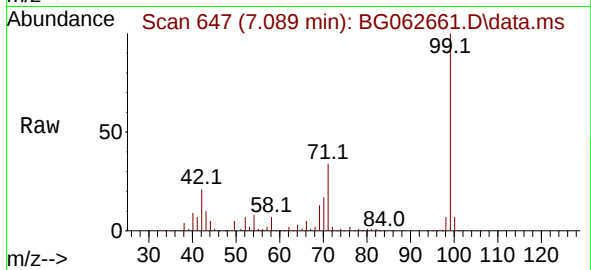




#7
Phenol-d6
Concen: 112.305 ng
RT: 7.089 min Scan# 647
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

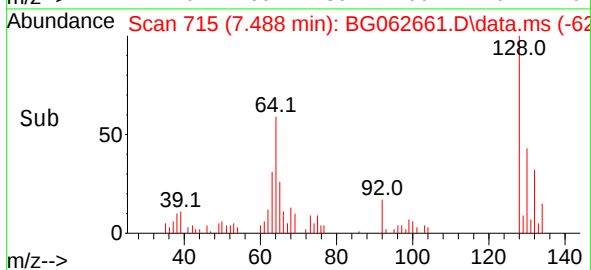
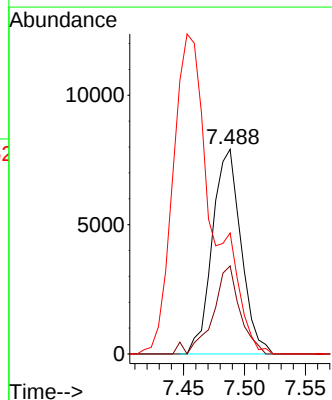
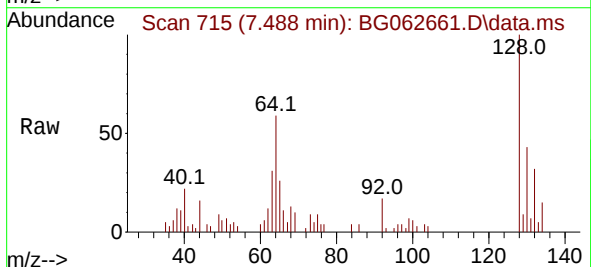
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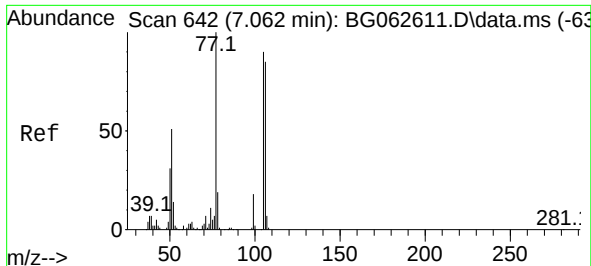
Tgt Ion: 99 Resp: 502864
Ion Ratio Lower Upper
99 100
42 20.6 16.9 25.3
71 33.7 27.9 41.9



#8
2-Chlorophenol
Concen: 3.902 ng
RT: 7.488 min Scan# 715
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:128 Resp: 12986
Ion Ratio Lower Upper
128 100
130 43.0 10.0 50.0
64 59.1 28.8 68.8

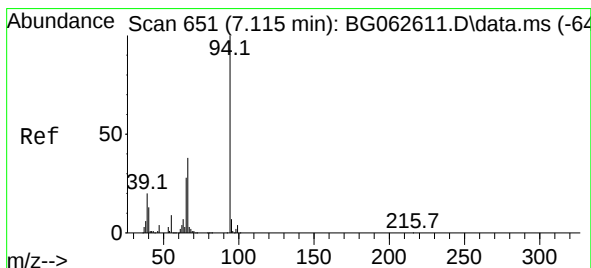
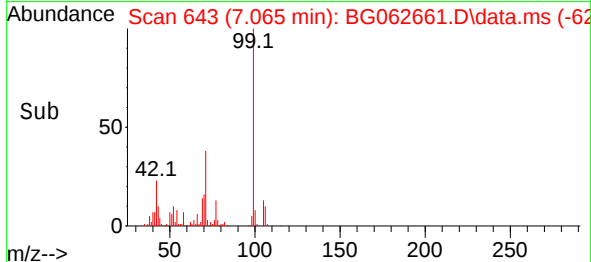
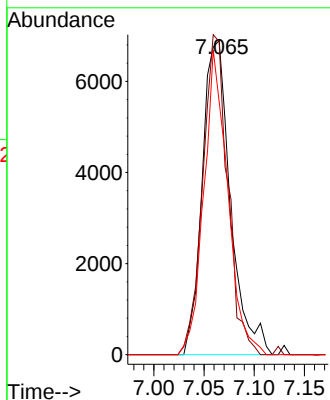
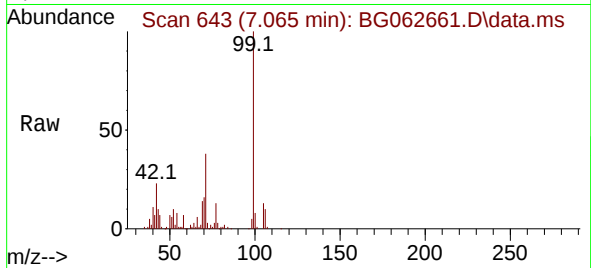




#9
Benzaldehyde
Concen: 5.159 ng
RT: 7.065 min Scan# 642
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

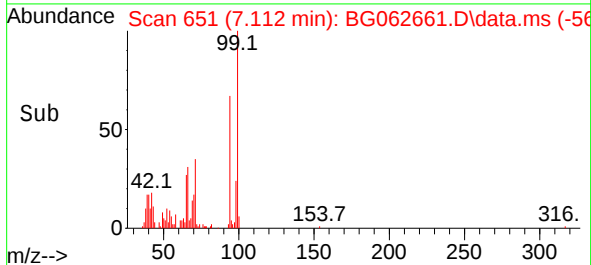
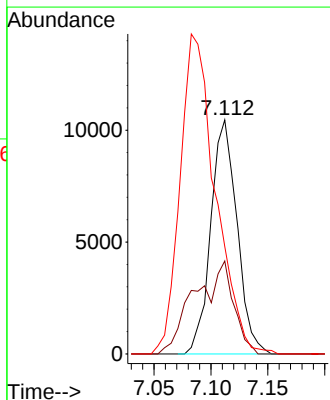
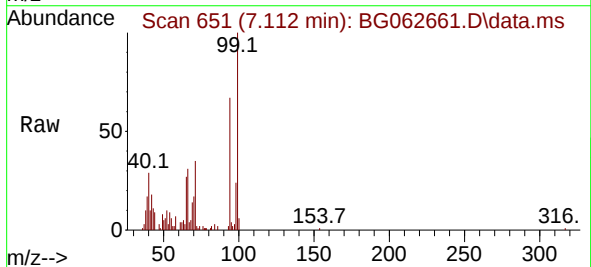
Instrument :
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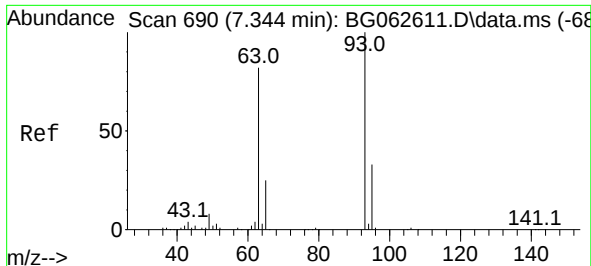
Tgt Ion: 77 Resp: 13436
Ion Ratio Lower Upper
77 100
105 99.7 70.2 110.2
106 80.5 65.4 105.4



#10
Phenol
Concen: 3.702 ng
RT: 7.112 min Scan# 651
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion: 94 Resp: 16783
Ion Ratio Lower Upper
94 100
65 39.8 8.6 48.6
66 45.9 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 3.933 ng

RT: 7.341 min Scan# 690

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

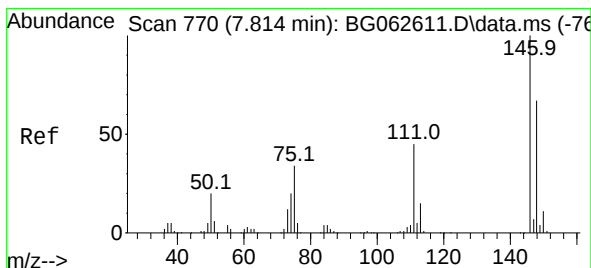
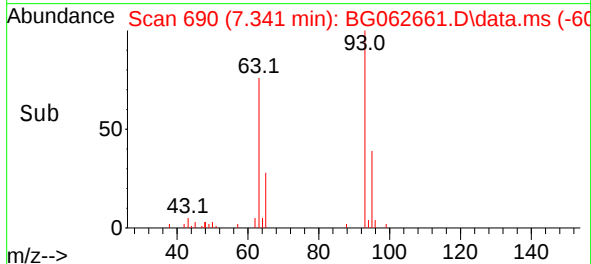
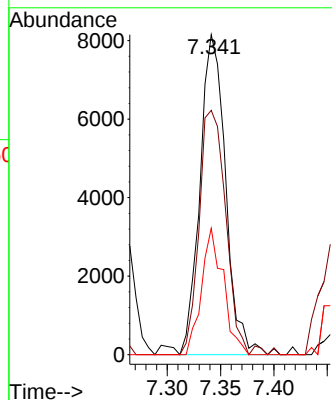
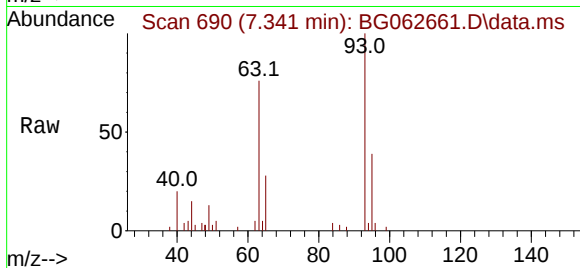
Tgt Ion: 93 Resp: 13651

Ion Ratio Lower Upper

93 100

63 76.3 61.9 101.9

95 39.5 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 3.721 ng

RT: 7.811 min Scan# 770

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

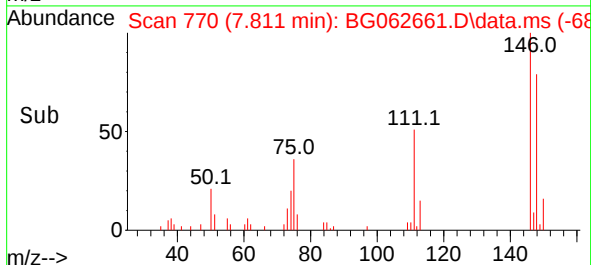
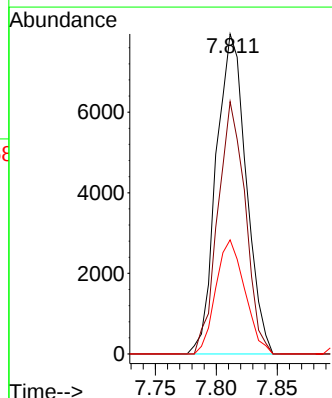
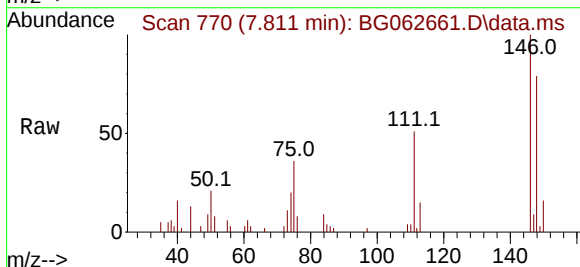
Tgt Ion:146 Resp: 13589

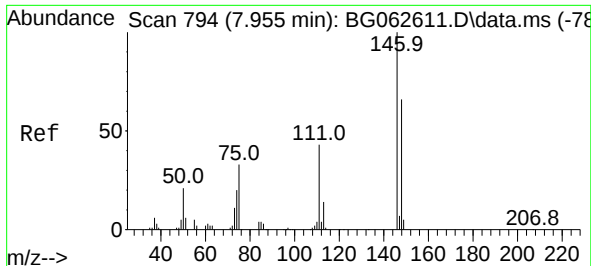
Ion Ratio Lower Upper

146 100

148 78.8 53.9 80.9

75 35.6 27.0 40.4

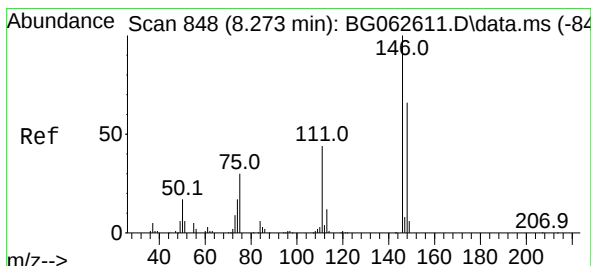
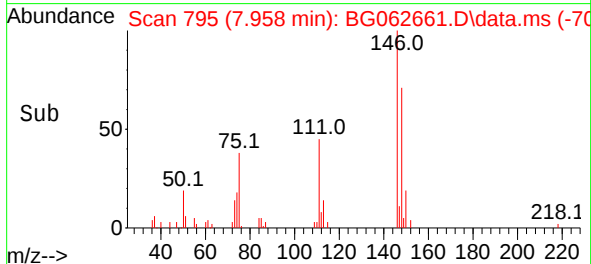
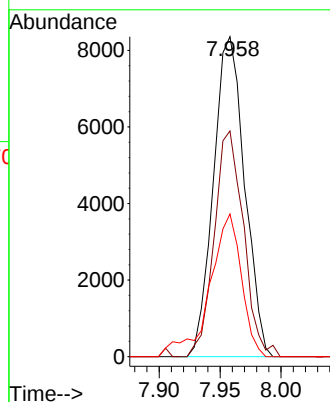
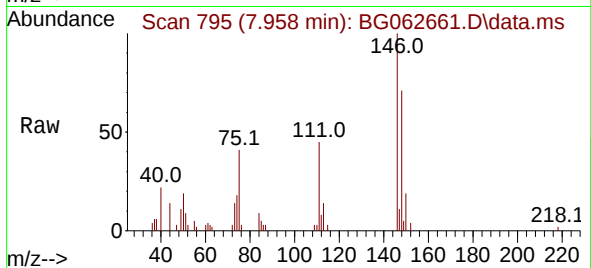




#13
1,4-Dichlorobenzene
Concen: 3.956 ng
RT: 7.958 min Scan# 795
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

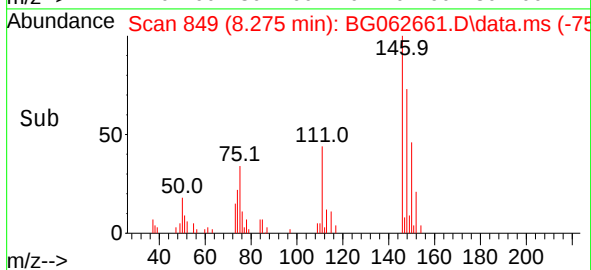
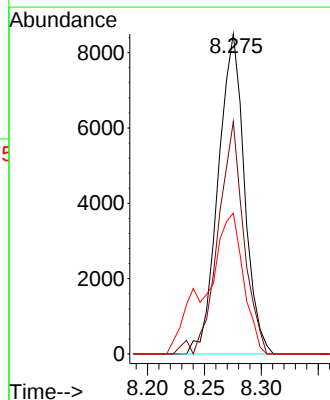
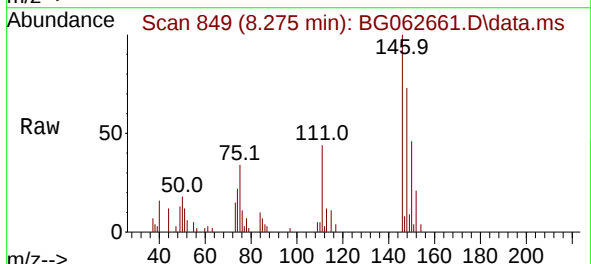
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

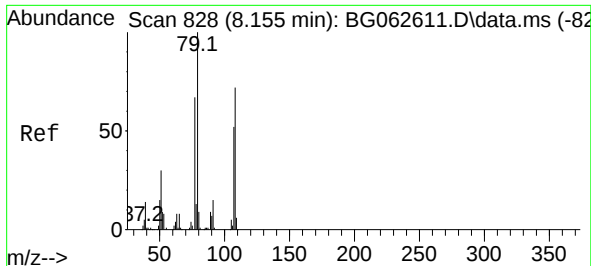
Tgt Ion:146 Resp: 14868
Ion Ratio Lower Upper
146 100
148 70.6 53.0 79.6
111 44.6 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 3.684 ng
RT: 8.275 min Scan# 849
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:146 Resp: 13608
Ion Ratio Lower Upper
146 100
148 72.6 52.5 78.7
111 44.0 35.5 53.3

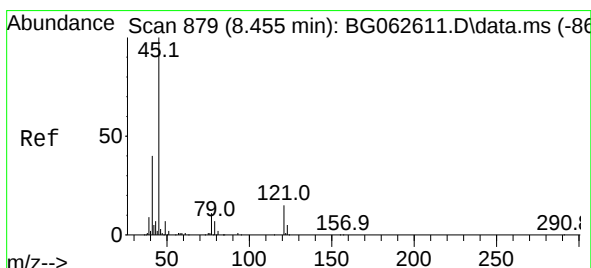
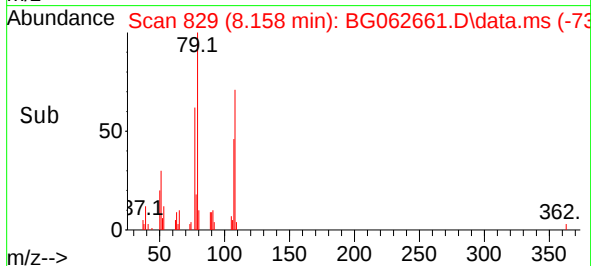
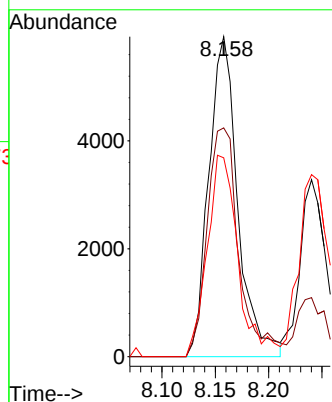
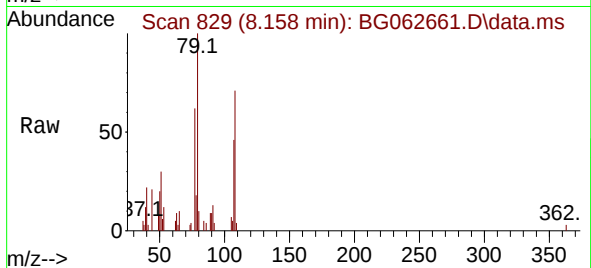




#15
Benzyl Alcohol
Concen: 3.384 ng
RT: 8.158 min Scan# 811
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

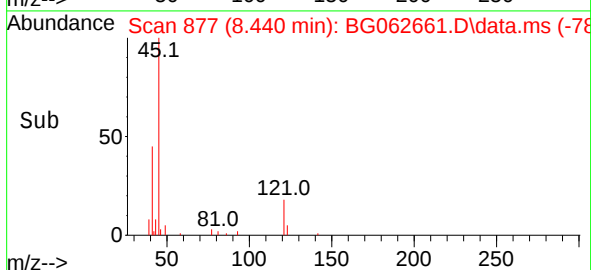
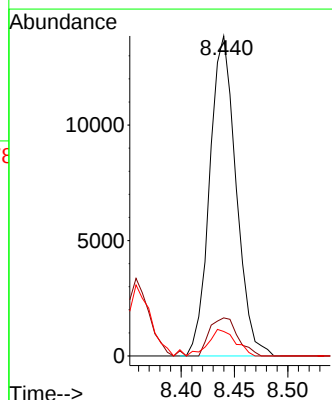
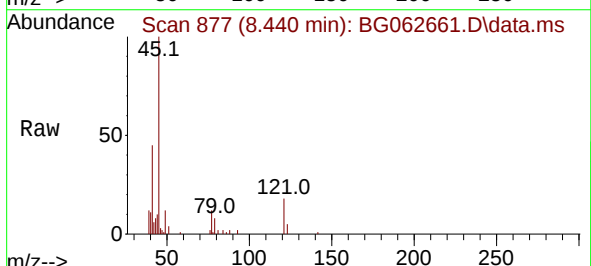
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

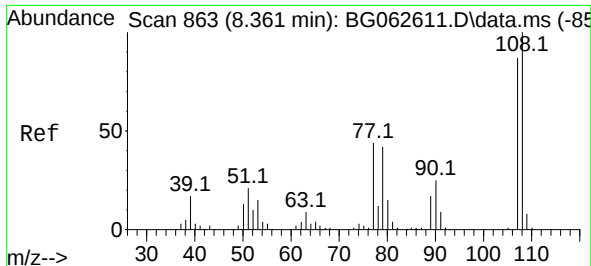
Tgt Ion: 79 Resp: 11211
Ion Ratio Lower Upper
79 100
108 71.5 57.9 86.9
77 62.1 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.610 ng
RT: 8.440 min Scan# 877
Delta R.T. -0.015 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion: 45 Resp: 23879
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.7
79 7.6 0.0 28.3

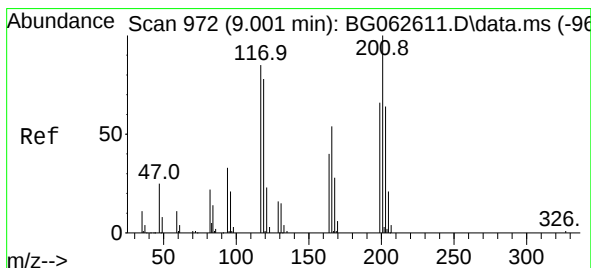
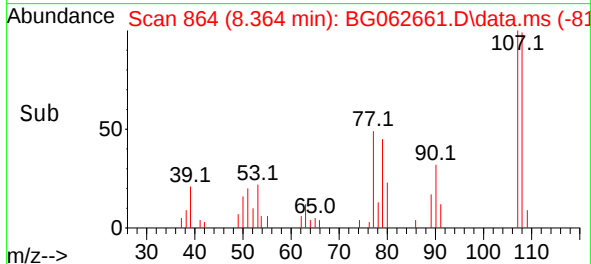
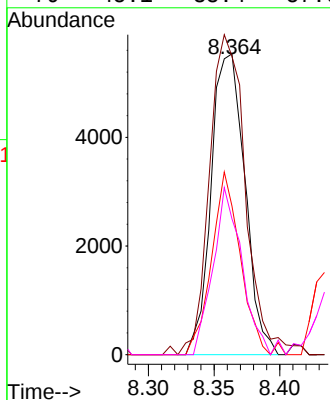
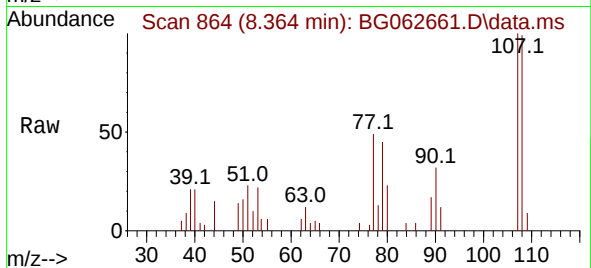




#17
2-Methylphenol
Concen: 3.135 ng
RT: 8.364 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

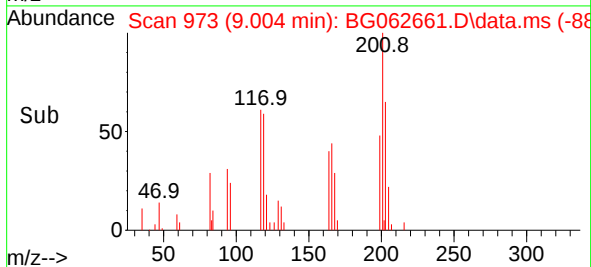
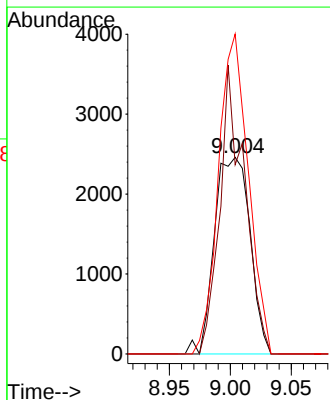
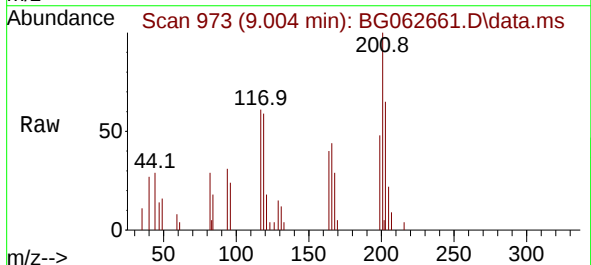
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

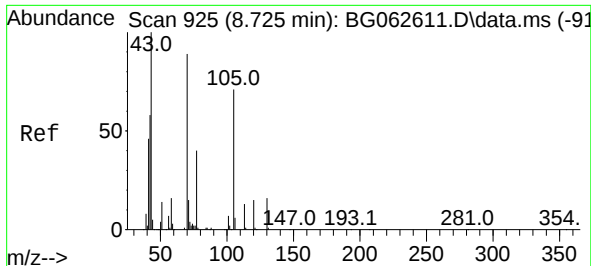
Tgt Ion:	107	Resp:	9907
Ion	Ratio	Lower	Upper
107	100		
108	99.2	91.5	137.3
77	49.4	40.0	60.0
79	45.1	38.4	57.6



#18
Hexachloroethane
Concen: 3.539 ng
RT: 9.004 min Scan# 973
Delta R.T. 0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:	117	Resp:	4987
Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.4	110.0
201	162.8	93.9	140.9#

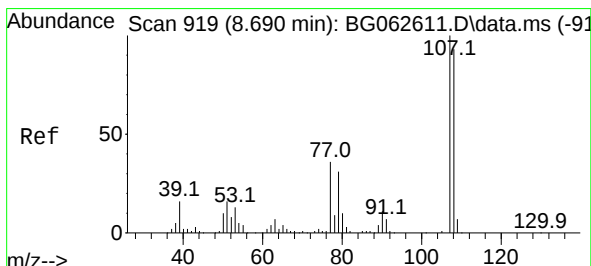
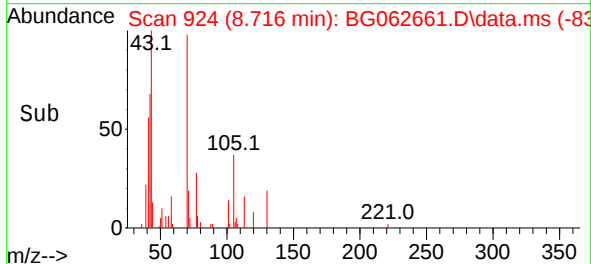
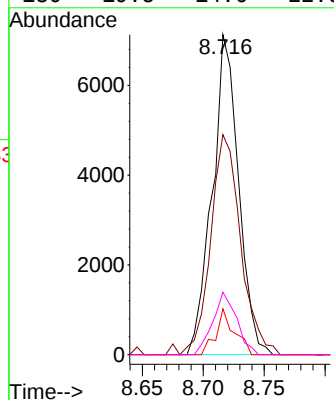
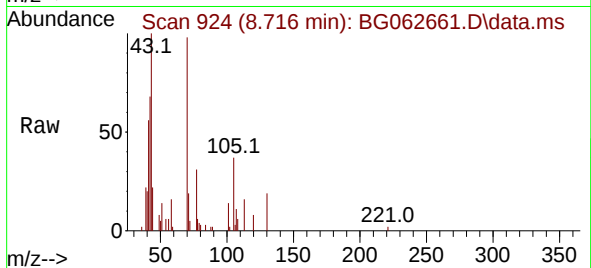




#19
n-Nitroso-di-n-propylamine
Concen: 3.043 ng
RT: 8.716 min Scan# 919
Delta R.T. -0.009 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

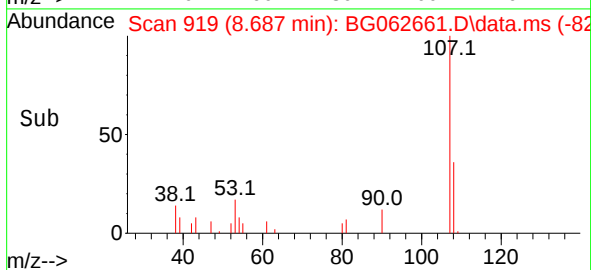
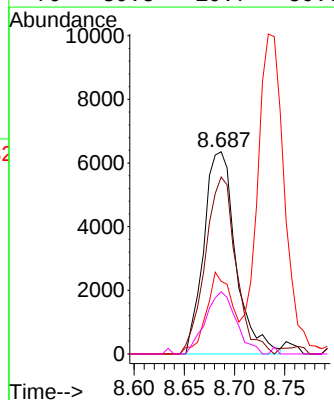
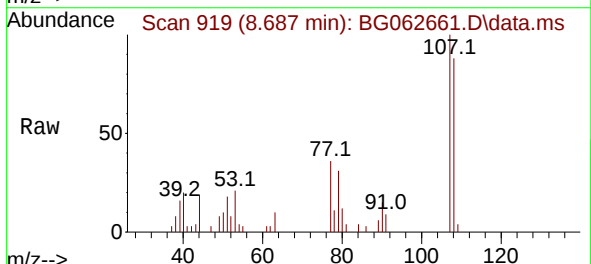
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

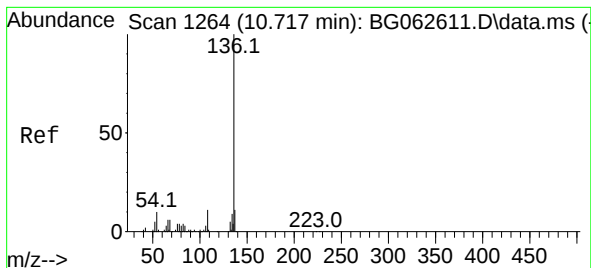
Tgt Ion: 70 Resp: 10738
Ion Ratio Lower Upper
70 100
42 68.8 52.3 78.5
101 14.3 6.6 9.8#
130 19.5 14.6 22.0



#20
3+4-Methylphenols
Concen: 3.011 ng
RT: 8.687 min Scan# 919
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion: 107 Resp: 14036
Ion Ratio Lower Upper
107 100
108 87.6 72.7 112.7
77 35.9 16.5 56.5
79 30.8 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.714 min Scan# 1264

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:136 Resp: 226159

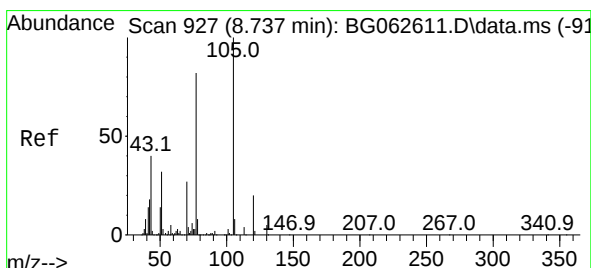
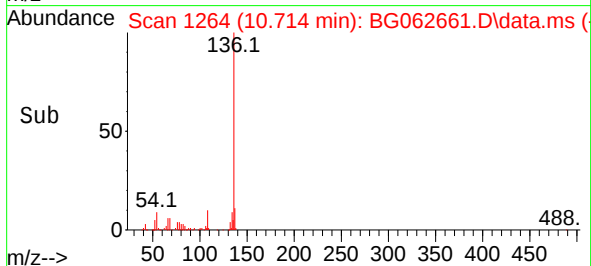
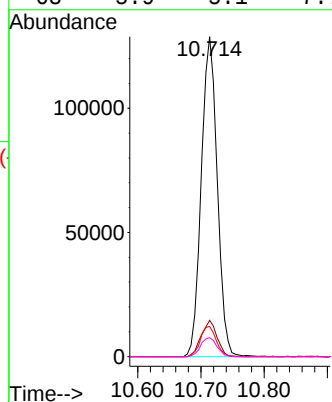
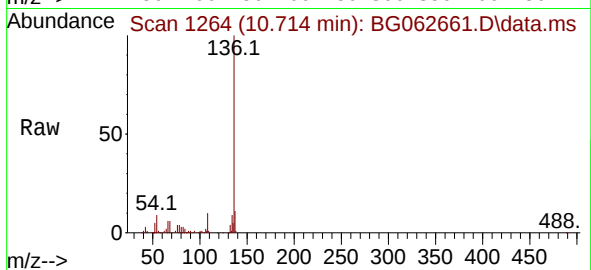
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 9.4 7.8 11.6

68 5.9 5.1 7.7



#22

Acetophenone

Concen: 3.772 ng

RT: 8.740 min Scan# 928

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Tgt Ion:105 Resp: 23015

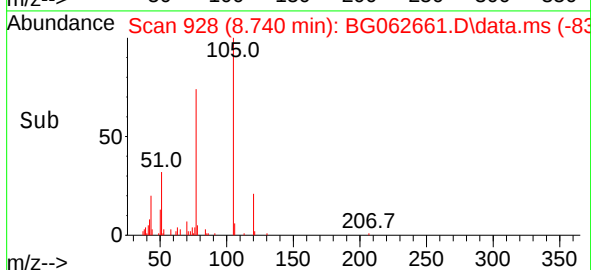
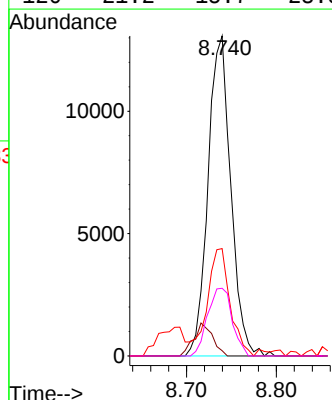
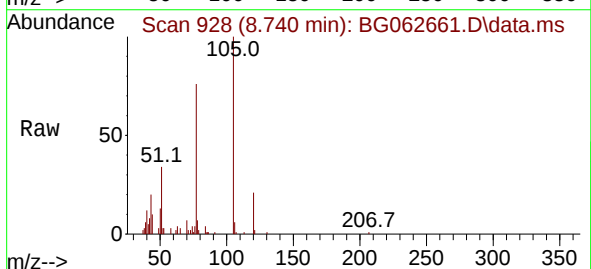
Ion Ratio Lower Upper

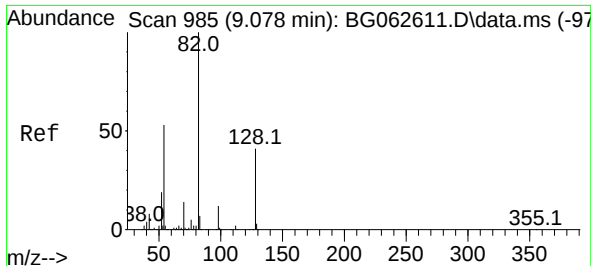
105 100

71 1.7 3.5 5.3#

51 33.6 25.7 38.5

120 21.2 15.7 23.5





#23

Nitrobenzene-d5

Concen: 81.563 ng

RT: 9.074 min Scan# 91

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

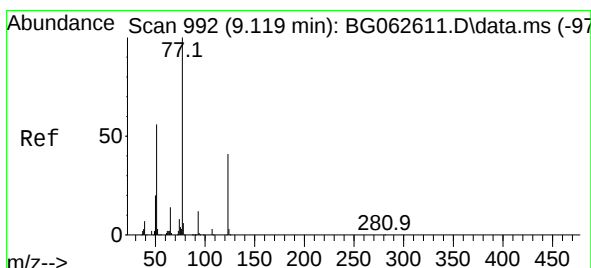
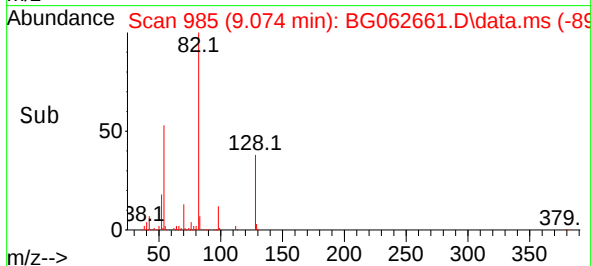
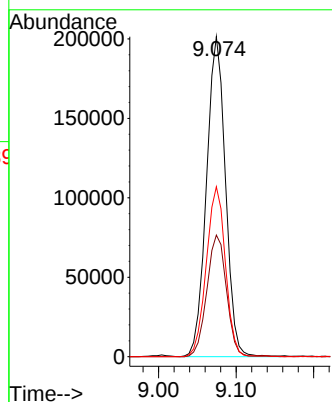
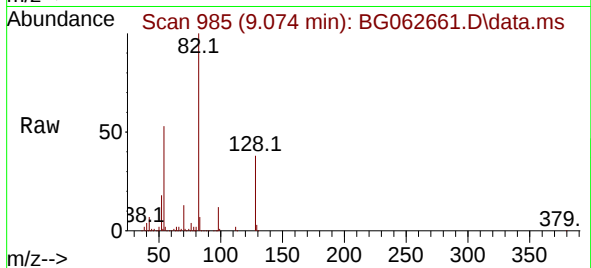
Tgt Ion: 82 Resp: 342508

Ion Ratio Lower Upper

82 100

128 38.0 32.5 48.7

54 53.1 42.5 63.7



#24

Nitrobenzene

Concen: 3.922 ng

RT: 9.116 min Scan# 992

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

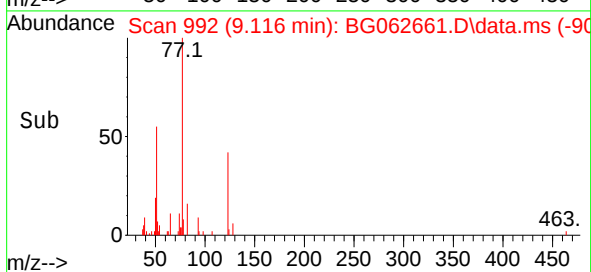
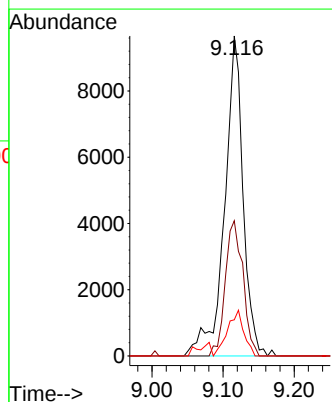
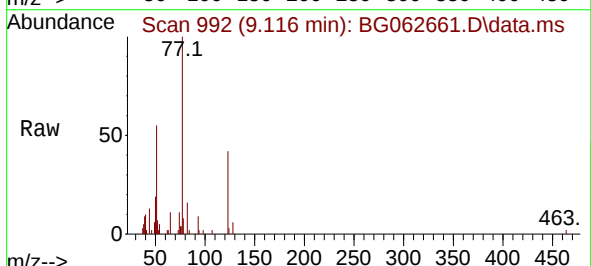
Tgt Ion: 77 Resp: 17512

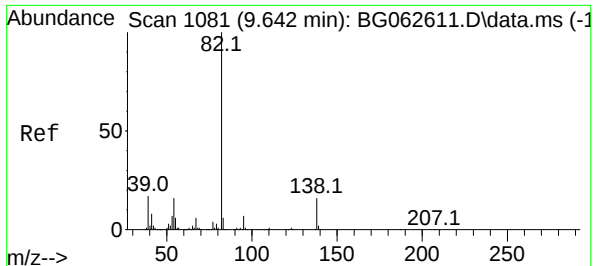
Ion Ratio Lower Upper

77 100

123 42.3 33.1 49.7

65 11.3 11.0 16.4





#25

Isophorone

Concen: 3.382 ng

RT: 9.639 min Scan# 1081

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

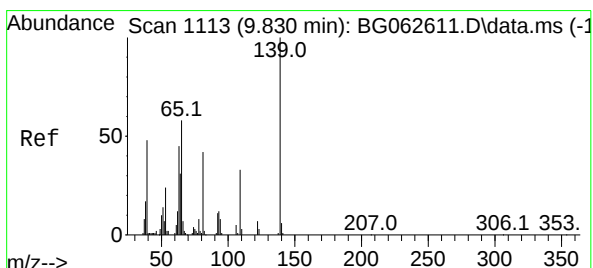
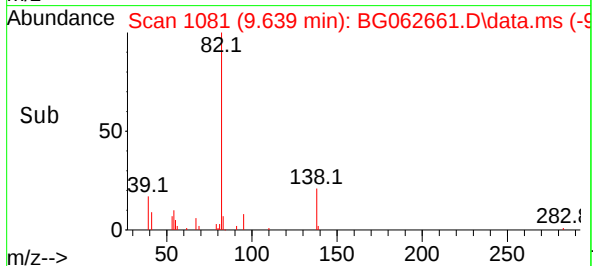
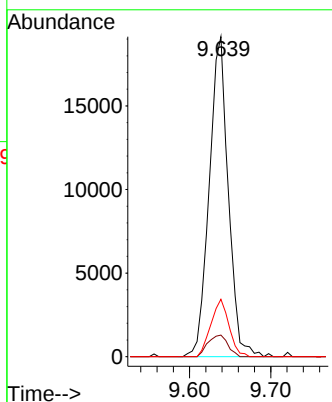
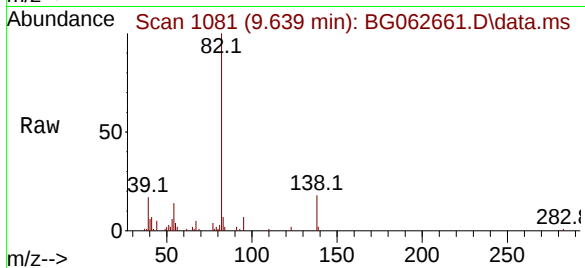
Tgt Ion: 82 Resp: 31177

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

138 17.9 12.6 18.8



#26

2-Nitrophenol

Concen: 3.408 ng

RT: 9.827 min Scan# 1113

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

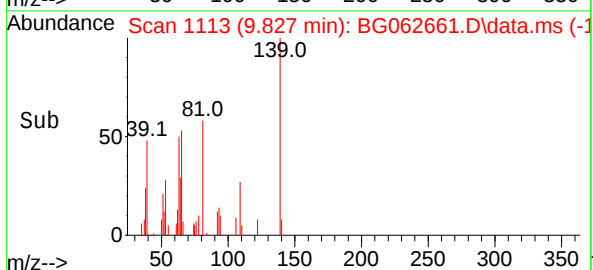
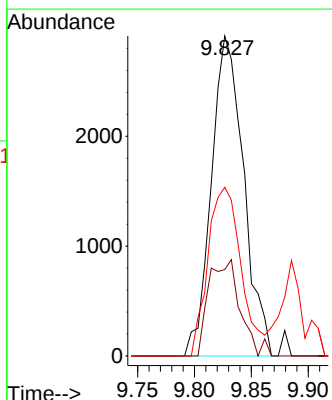
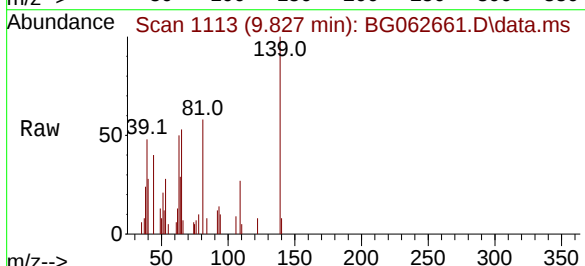
Tgt Ion:139 Resp: 5750

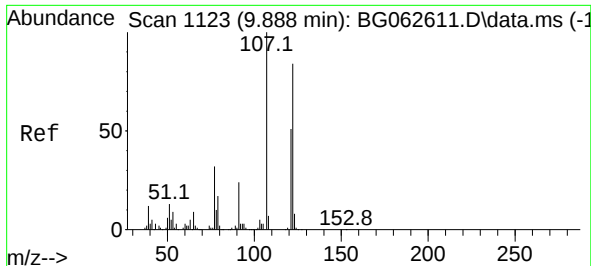
Ion Ratio Lower Upper

139 100

109 27.0 26.6 39.8

65 52.7 46.5 69.7

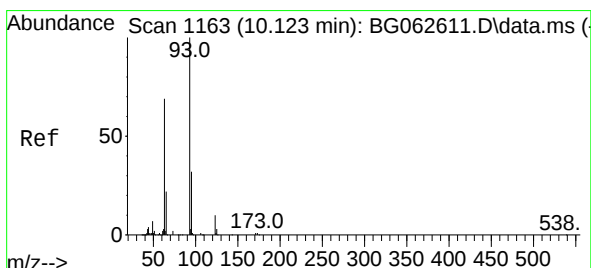
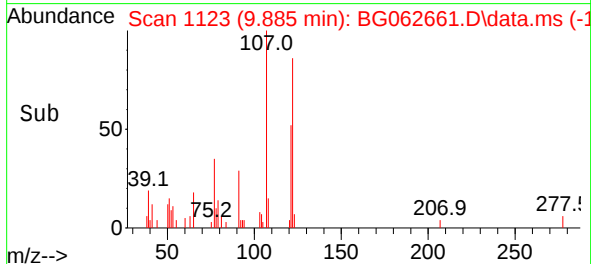
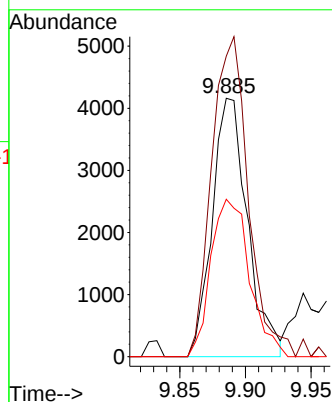
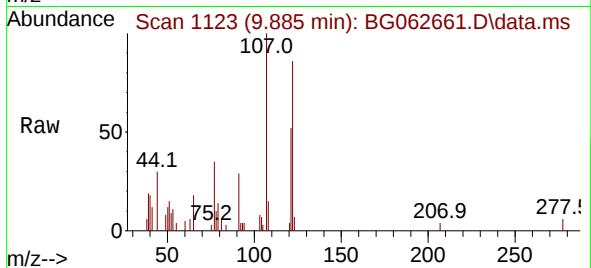




#27
2,4-Dimethylphenol
Concen: 3.143 ng
RT: 9.885 min Scan# 1123
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

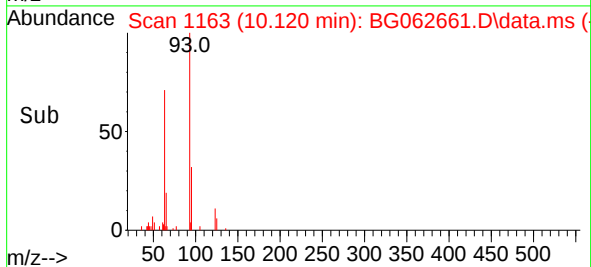
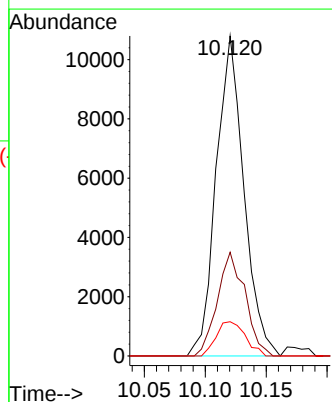
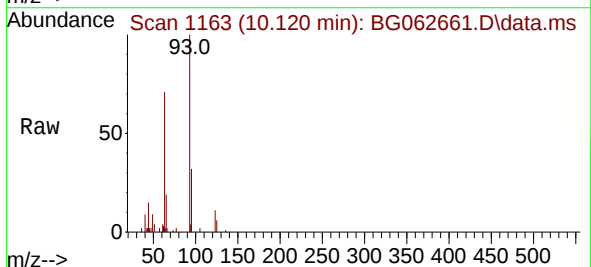
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

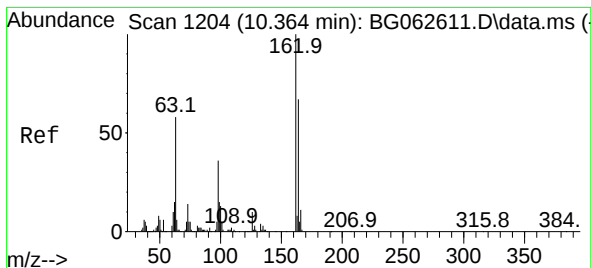
Tgt Ion:122 Resp: 7770
Ion Ratio Lower Upper
122 100
107 116.3 95.8 143.6
121 60.9 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 3.459 ng
RT: 10.120 min Scan# 1163
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion: 93 Resp: 17071
Ion Ratio Lower Upper
93 100
95 32.4 25.4 38.0
123 10.7 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 3.515 ng

RT: 10.361 min Scan# 1204

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

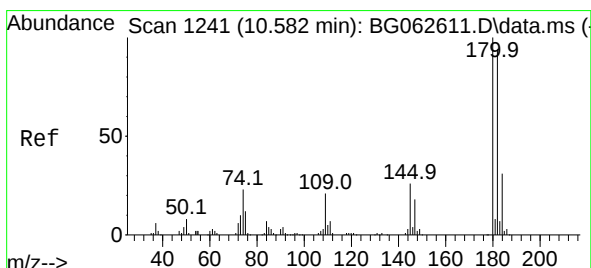
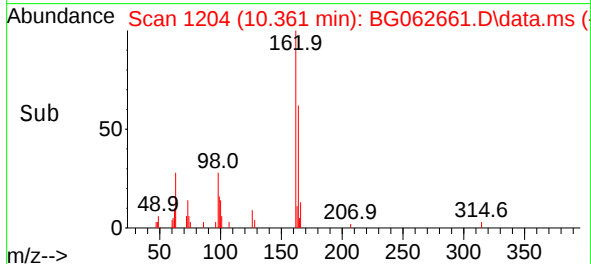
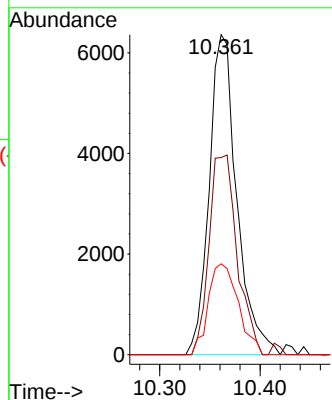
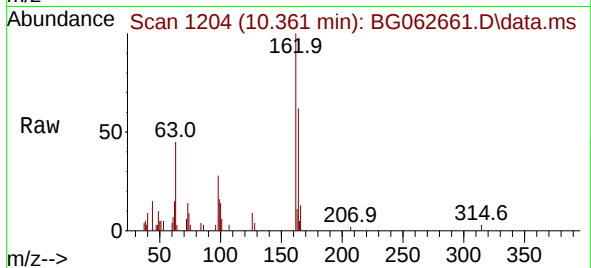
Tgt Ion:162 Resp: 12147

Ion Ratio Lower Upper

162 100

164 61.6 46.8 86.8

98 28.4 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 4.094 ng

RT: 10.579 min Scan# 1241

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

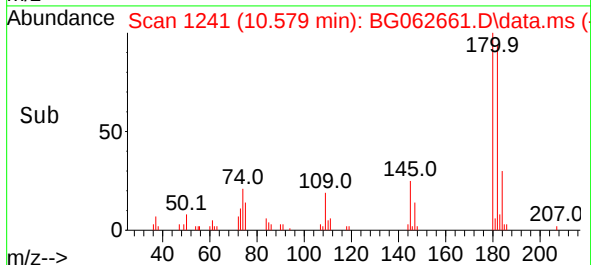
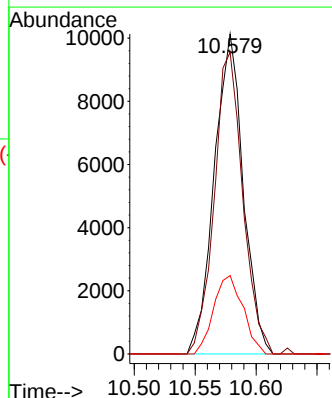
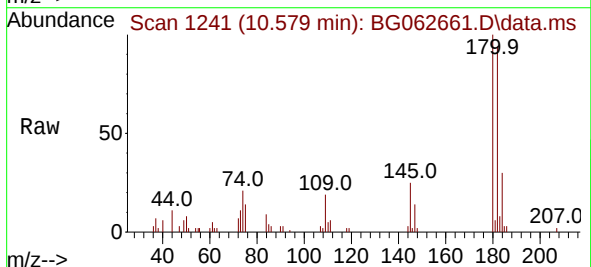
Tgt Ion:180 Resp: 16774

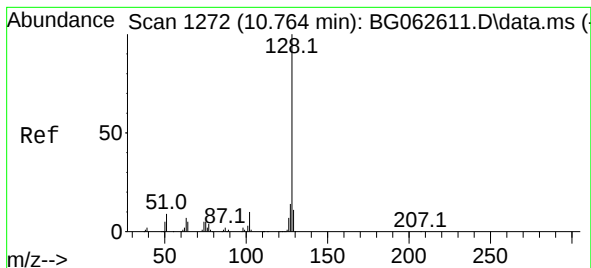
Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

145 24.5 20.8 31.2





#31

Naphthalene

Concen: 3.932 ng

RT: 10.761 min Scan# 1272

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

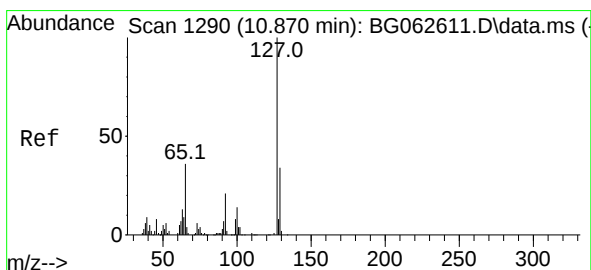
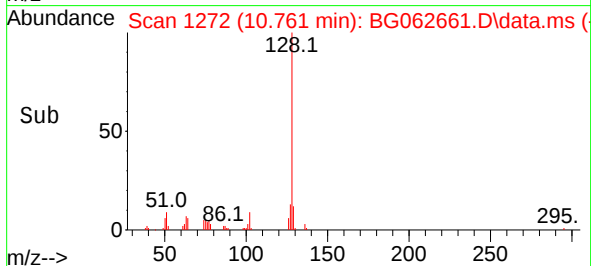
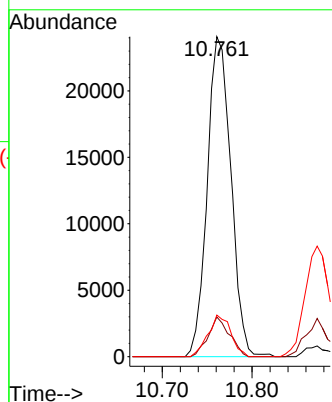
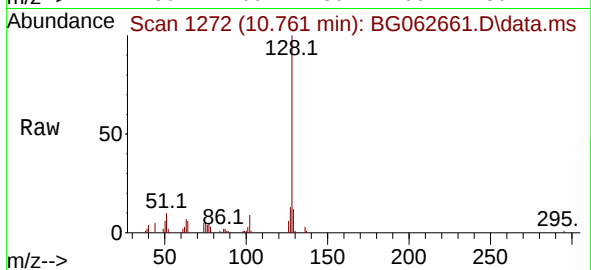
Tgt Ion:128 Resp: 44075

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

127 13.0 11.3 16.9



#33

4-Chloroaniline

Concen: 3.811 ng

RT: 10.872 min Scan# 1291

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Tgt Ion:127 Resp: 16812

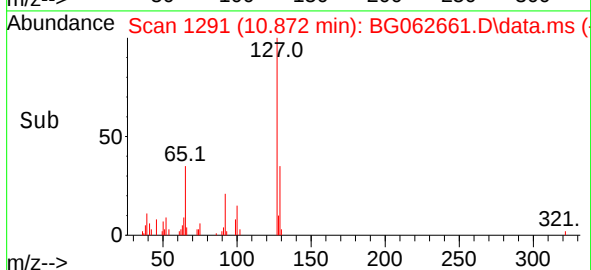
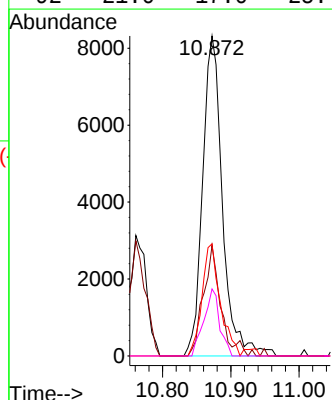
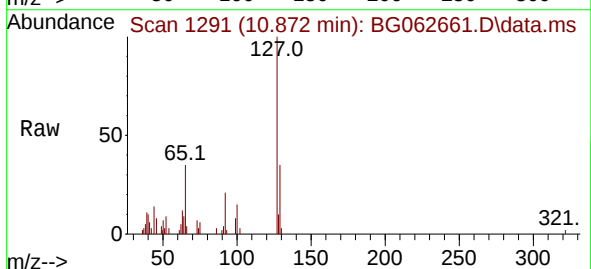
Ion Ratio Lower Upper

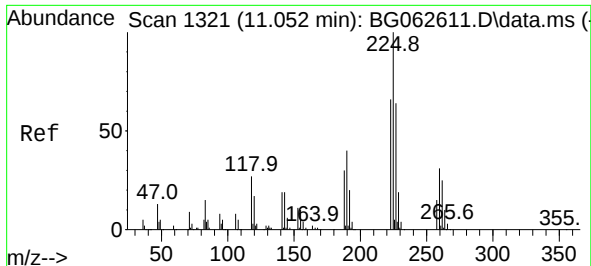
127 100

129 34.5 27.3 40.9

65 35.1 29.0 43.4

92 21.0 17.0 25.4





#34

Hexachlorobutadiene

Concen: 3.809 ng

RT: 11.055 min Scan# 1415

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

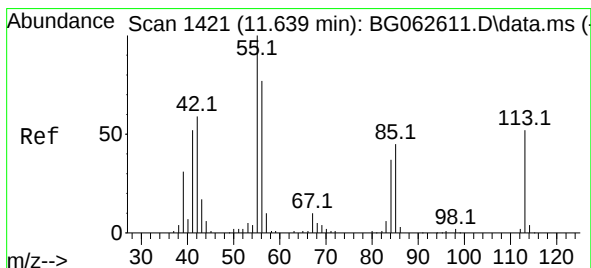
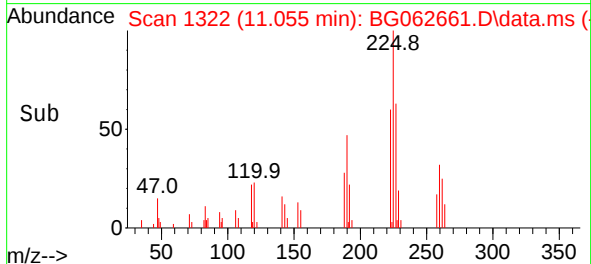
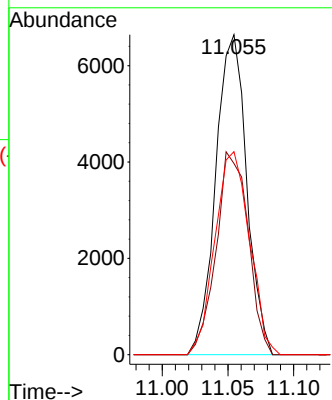
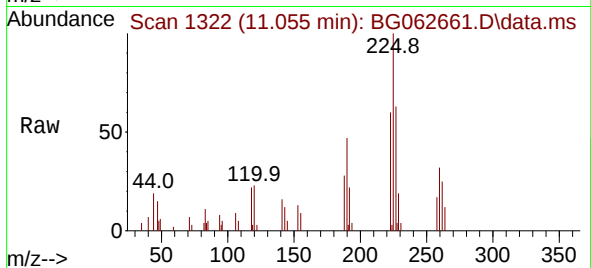
Tgt Ion:225 Resp: 10900

Ion Ratio Lower Upper

225 100

223 59.8 50.1 75.1

227 67.7 48.9 73.3



#35

Caprolactam

Concen: 3.449 ng

RT: 11.601 min Scan# 1415

Delta R.T. -0.038 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

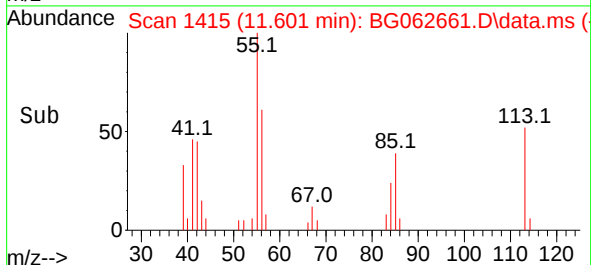
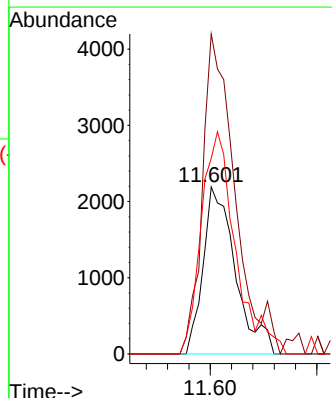
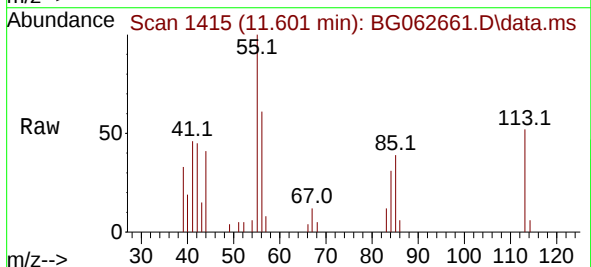
Tgt Ion:113 Resp: 4596

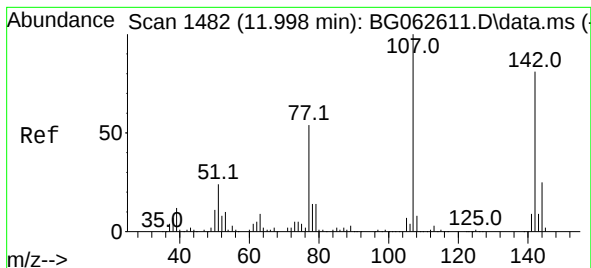
Ion Ratio Lower Upper

113 100

55 191.6 174.1 214.1

56 117.2 129.8 169.8#

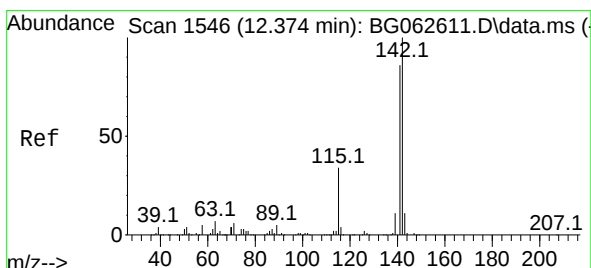
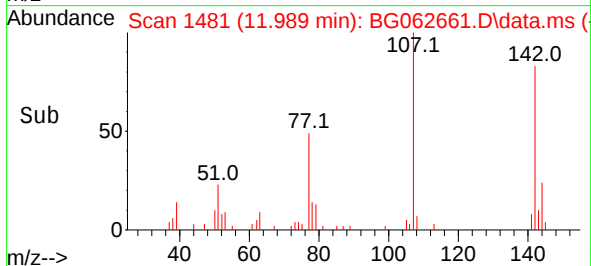
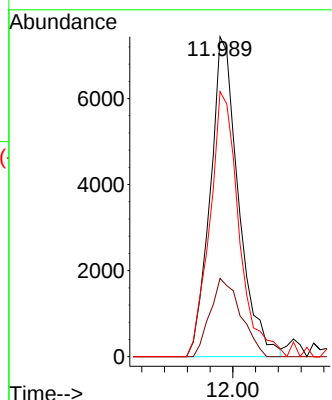
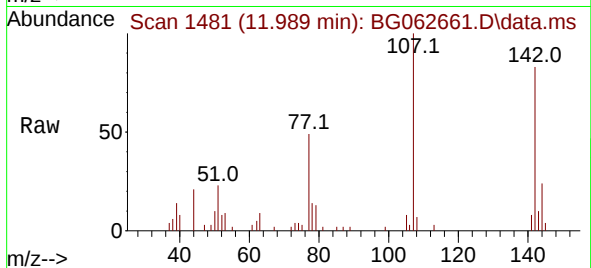




#36
4-Chloro-3-methylphenol
Concen: 3.088 ng
RT: 11.989 min Scan# 1482
Delta R.T. -0.009 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

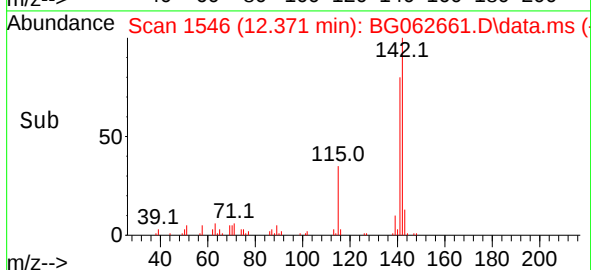
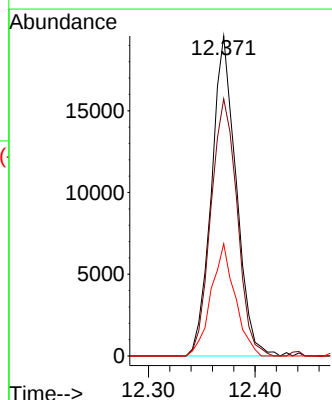
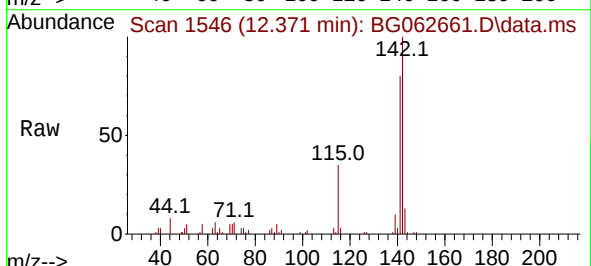
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

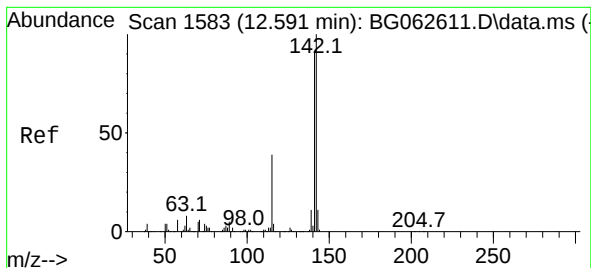
Tgt Ion:107 Resp: 12872
Ion Ratio Lower Upper
107 100
144 24.5 19.8 29.8
142 82.8 64.7 97.1



#37
2-Methylnaphthalene
Concen: 3.618 ng
RT: 12.371 min Scan# 1546
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:142 Resp: 31458
Ion Ratio Lower Upper
142 100
141 80.3 68.9 103.3
115 35.1 27.5 41.3





#38

1-Methylnaphthalene

Concen: 3.503 ng

RT: 12.594 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

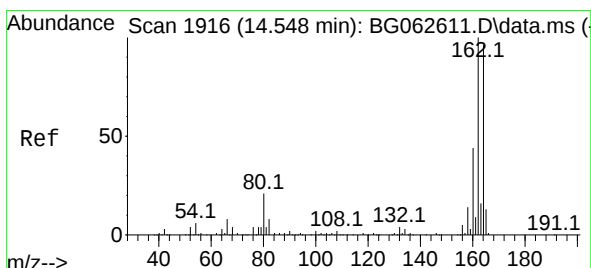
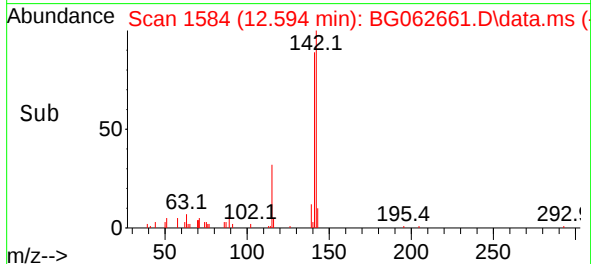
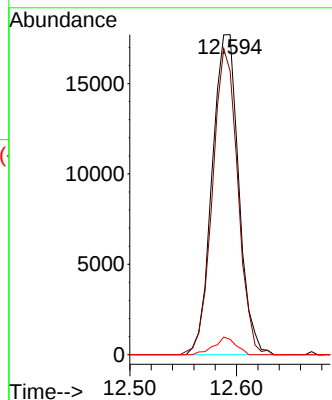
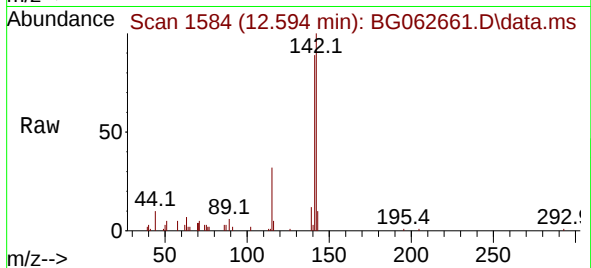
Tgt Ion:142 Resp: 30581

Ion Ratio Lower Upper

142 100

141 88.6 73.0 109.4

116 4.8 3.2 4.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1916

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

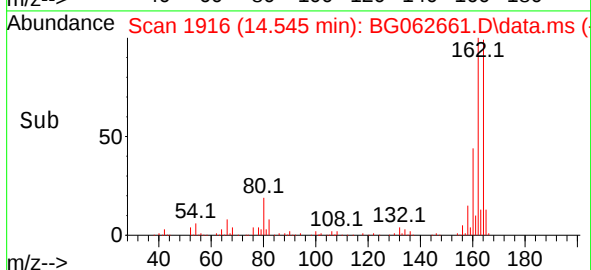
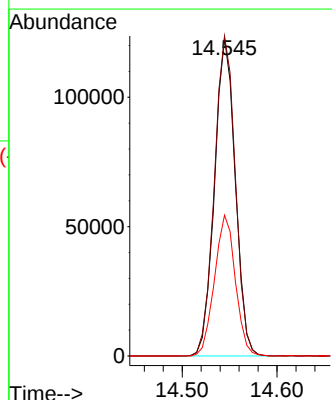
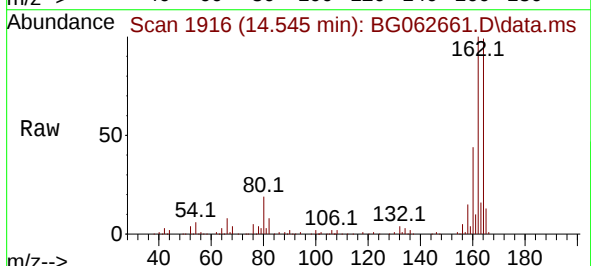
Tgt Ion:164 Resp: 186253

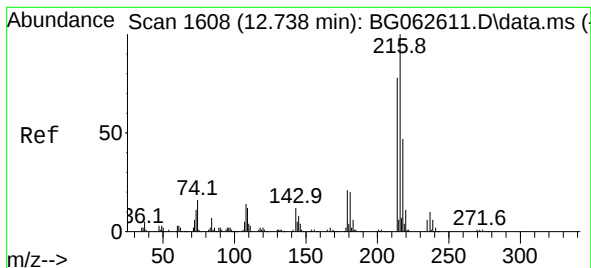
Ion Ratio Lower Upper

164 100

162 100.7 83.1 124.7

160 44.3 36.2 54.4





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.881 ng

RT: 12.741 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:216 Resp: 21741

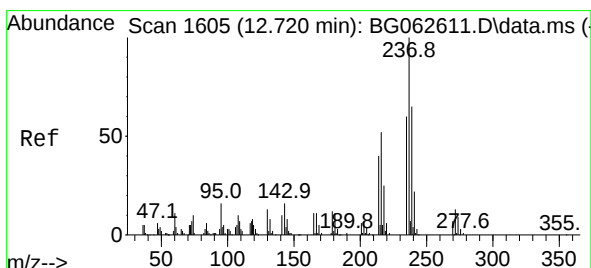
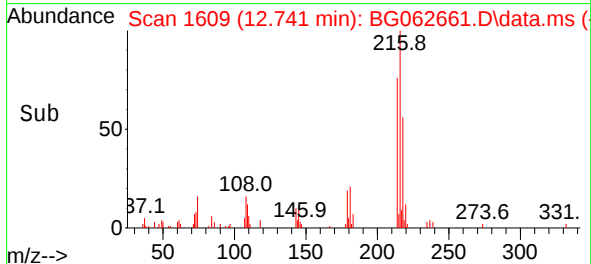
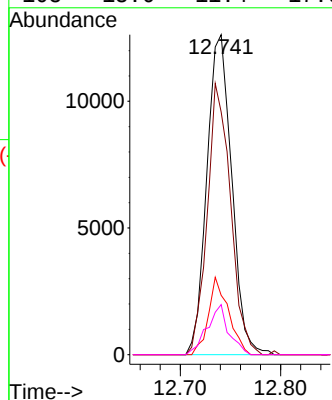
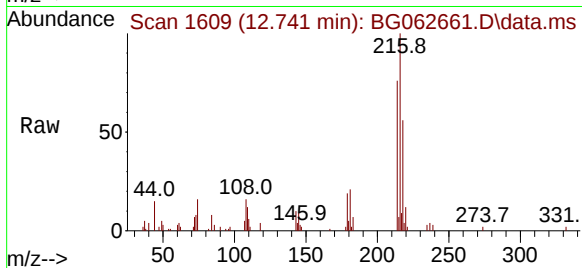
Ion Ratio Lower Upper

216 100

214 79.4 61.6 92.4

179 19.6 15.9 23.9

108 13.6 11.4 17.0



#41

Hexachlorocyclopentadiene

Concen: 3.247 ng

RT: 12.723 min Scan# 1606

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

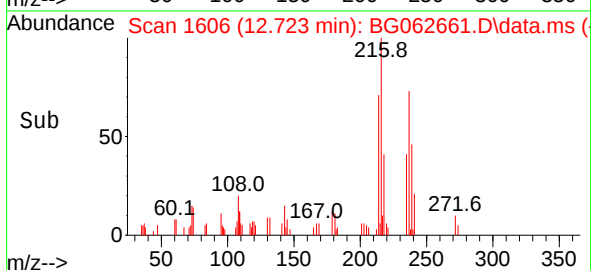
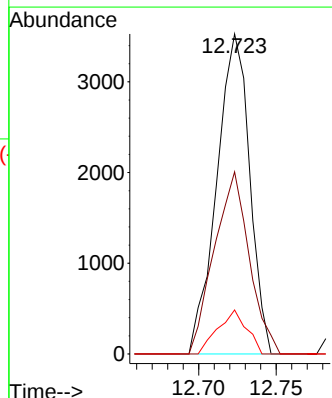
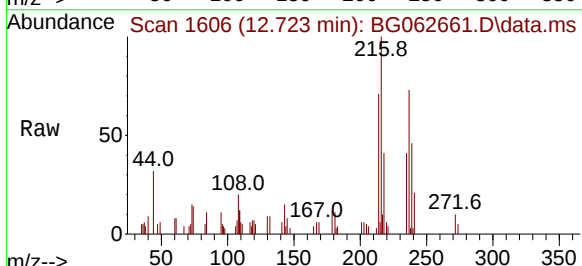
Tgt Ion:237 Resp: 5189

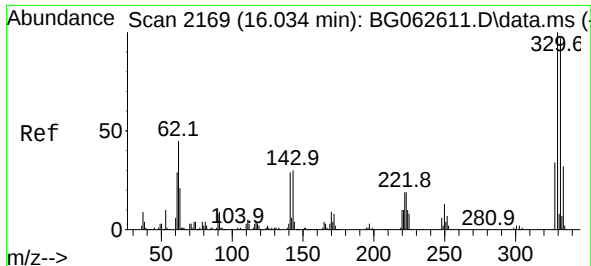
Ion Ratio Lower Upper

237 100

235 56.9 40.4 80.4

272 13.7 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 130.141 ng

RT: 16.031 min Scan# 2169

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

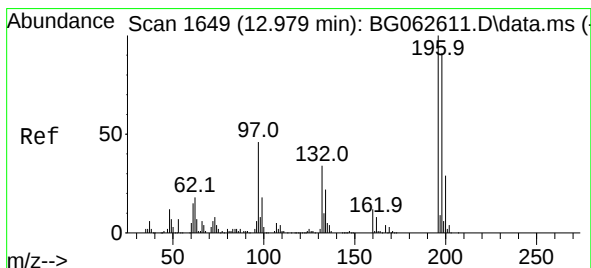
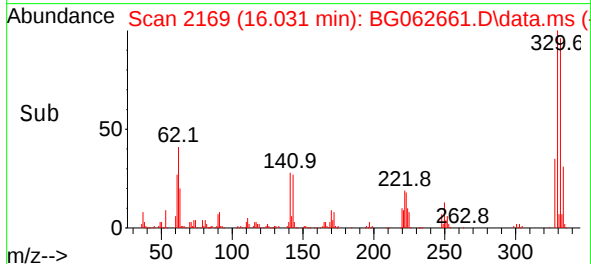
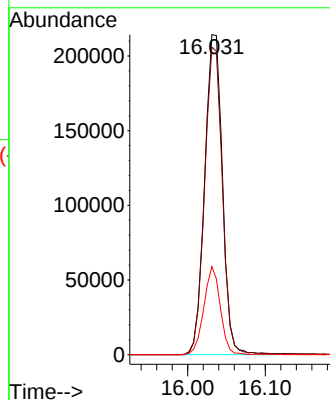
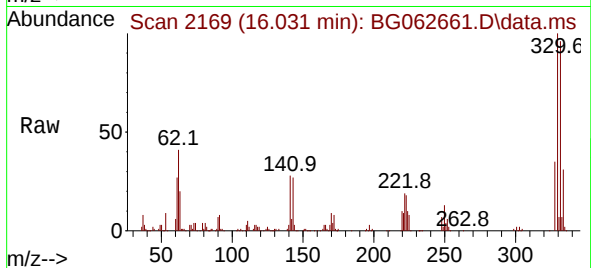
Tgt Ion:330 Resp: 341122

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

141 25.4 22.2 33.4



#43

2,4,6-Trichlorophenol

Concen: 3.907 ng

RT: 13.052 min Scan# 1662

Delta R.T. 0.073 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

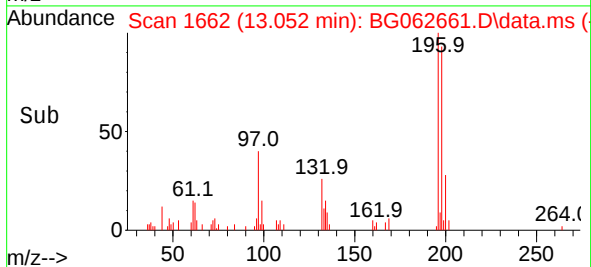
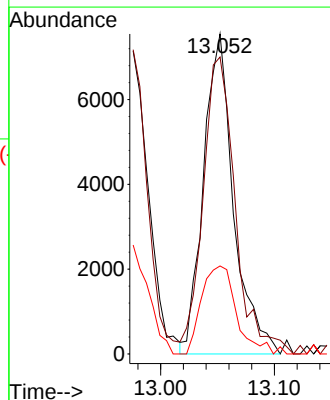
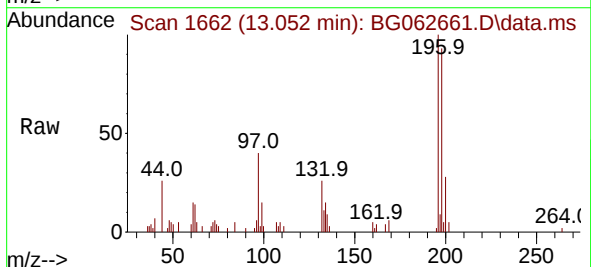
Tgt Ion:196 Resp: 13872

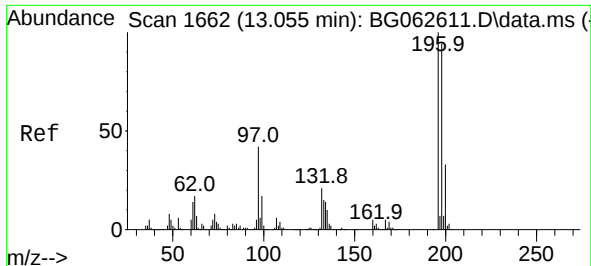
Ion Ratio Lower Upper

196 100

198 92.8 72.8 109.2

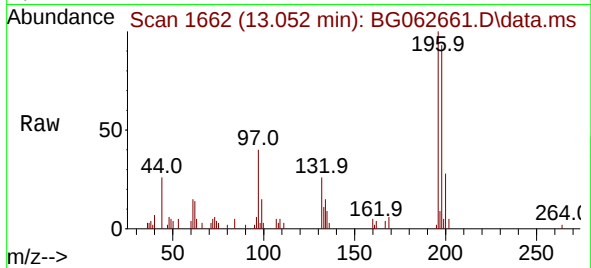
200 27.5 23.5 35.3



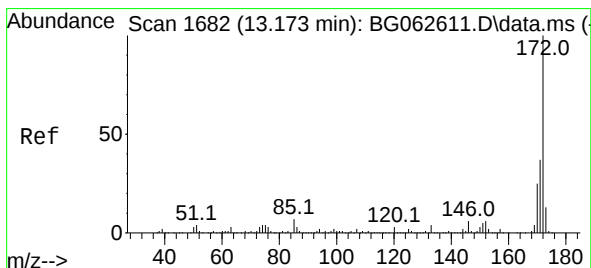
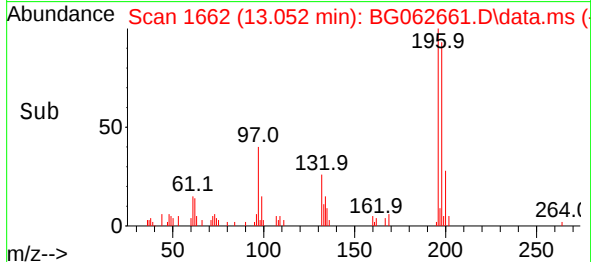
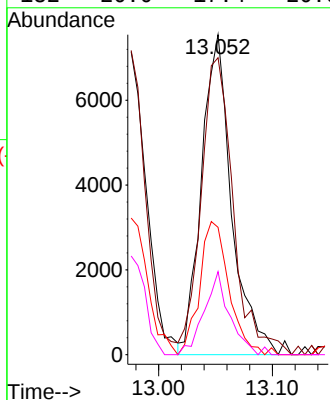


#44
2,4,5-Trichlorophenol
Concen: 3.450 ng
RT: 13.052 min Scan# 1662
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

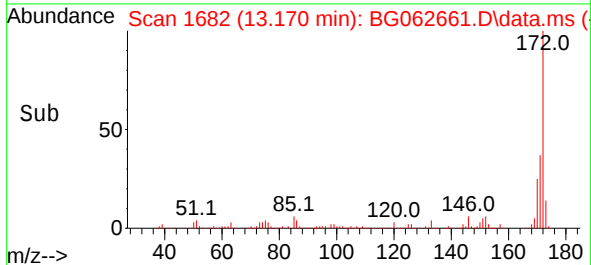
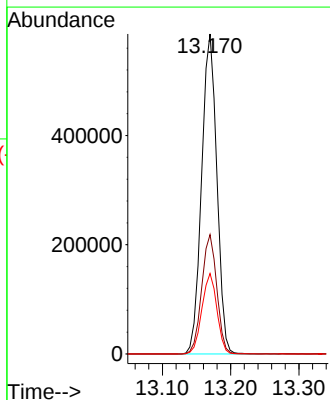
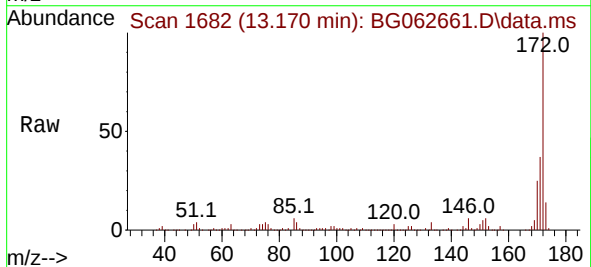


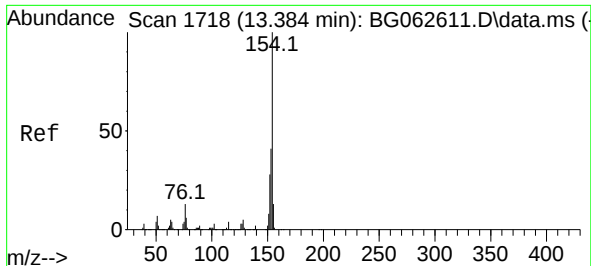
Tgt Ion:196 Resp: 13872
Ion Ratio Lower Upper
196 100
198 92.8 75.5 113.3
97 39.8 34.1 51.1
132 26.0 17.4 26.0



#45
2-Fluorobiphenyl
Concen: 79.221 ng
RT: 13.170 min Scan# 1682
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:172 Resp: 910935
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 25.2 20.0 30.0





#46

1,1'-Biphenyl

Concen: 4.061 ng

RT: 13.375 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

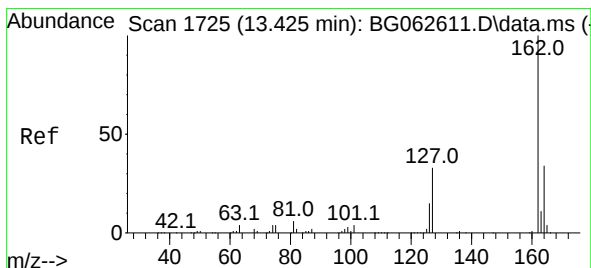
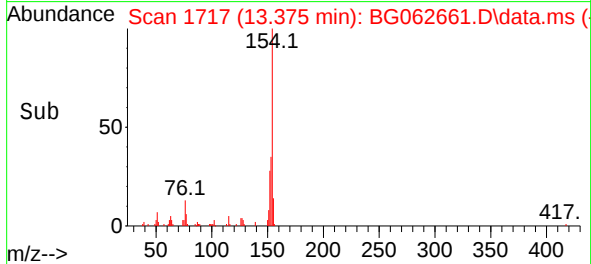
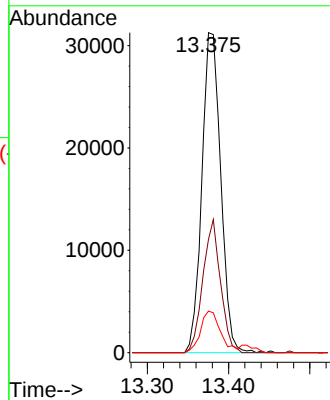
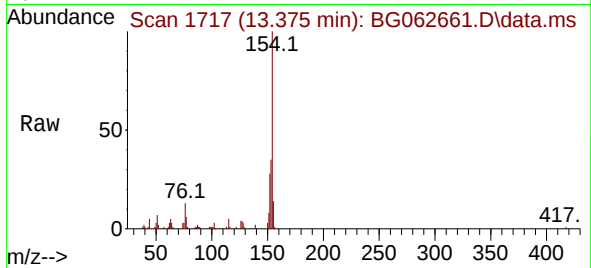
Tgt Ion:154 Resp: 50457

Ion Ratio Lower Upper

154 100

153 35.4 20.8 60.8

76 13.0 0.0 33.4



#47

2-Chloronaphthalene

Concen: 3.744 ng

RT: 13.422 min Scan# 1725

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

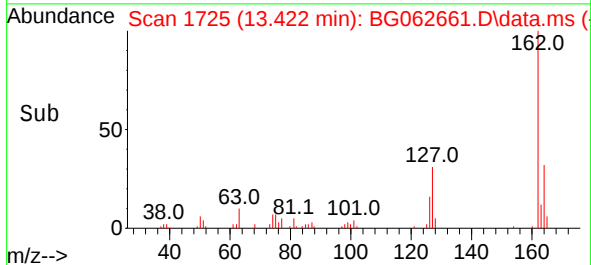
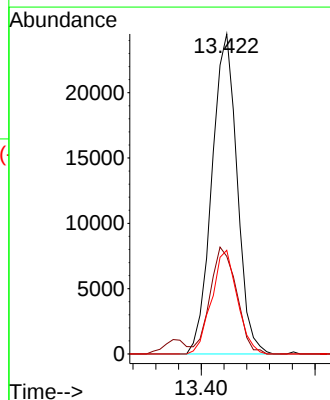
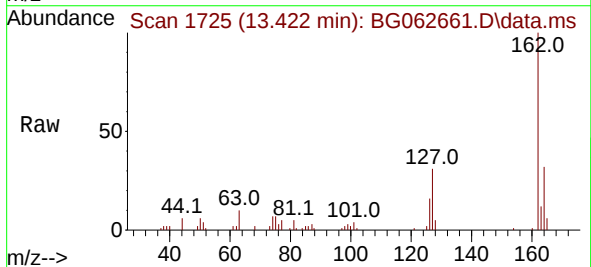
Tgt Ion:162 Resp: 37703

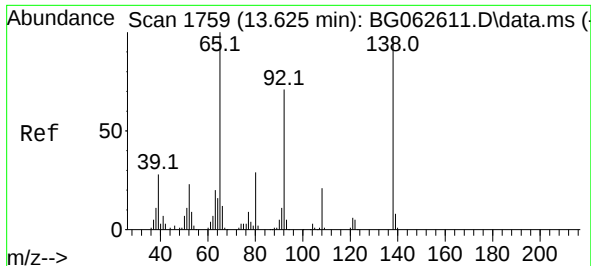
Ion Ratio Lower Upper

162 100

127 30.5 28.7 43.1

164 32.4 26.9 40.3





#48

2-Nitroaniline

Concen: 3.444 ng

RT: 13.622 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

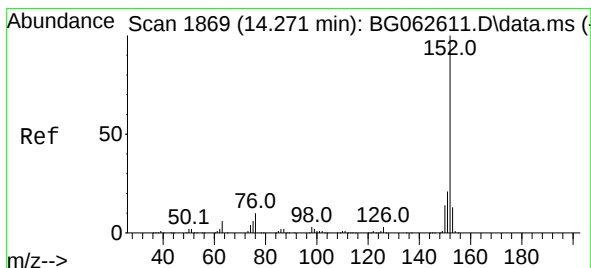
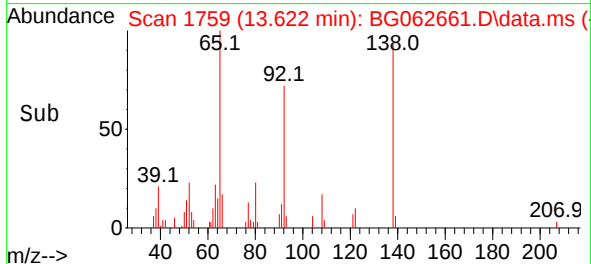
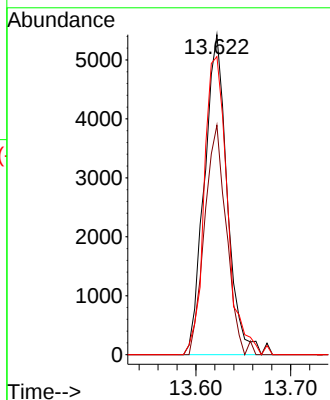
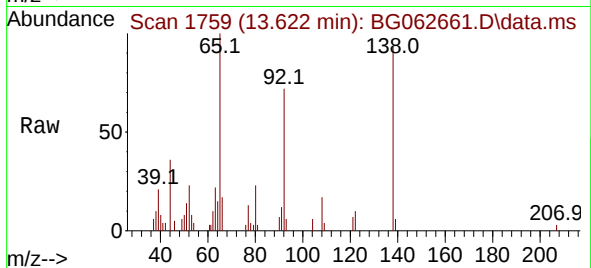
Tgt Ion: 65 Resp: 9121

Ion Ratio Lower Upper

65 100

92 71.7 56.6 84.8

138 93.1 78.7 118.1



#49

Acenaphthylene

Concen: 4.011 ng

RT: 14.268 min Scan# 1869

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

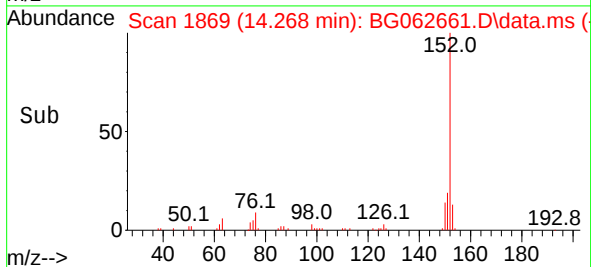
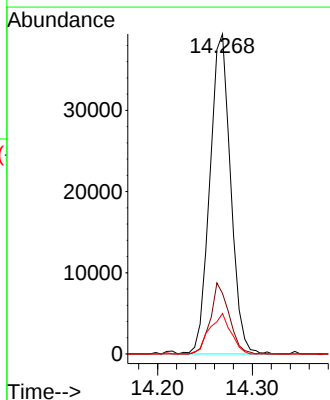
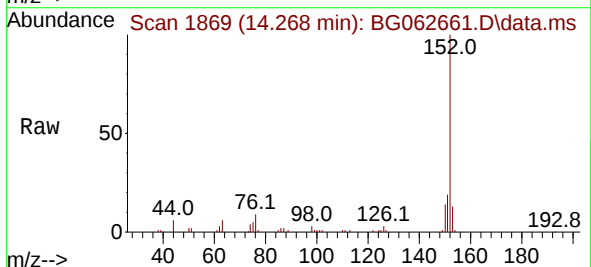
Tgt Ion:152 Resp: 59811

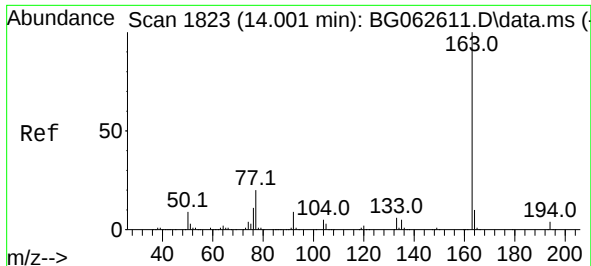
Ion Ratio Lower Upper

152 100

151 18.9 16.6 24.8

153 12.7 10.2 15.4





#50

Dimethylphthalate

Concen: 3.788 ng

RT: 13.992 min Scan# 1822

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

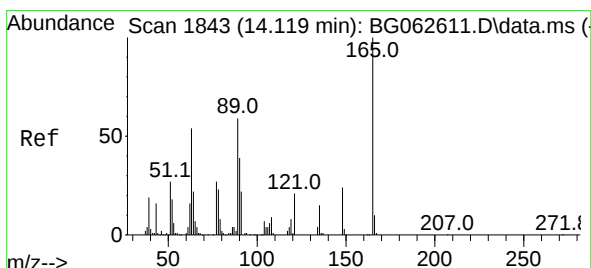
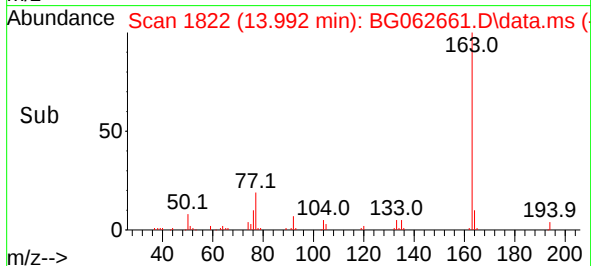
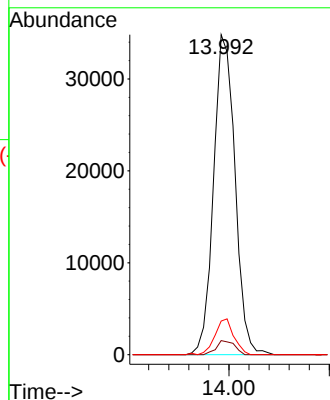
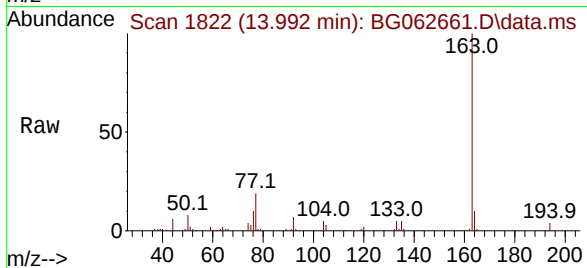
Tgt Ion:163 Resp: 51584

Ion Ratio Lower Upper

163 100

194 4.4 2.9 4.3#

164 10.5 8.3 12.5



#51

2,6-Dinitrotoluene

Concen: 3.362 ng

RT: 14.116 min Scan# 1843

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

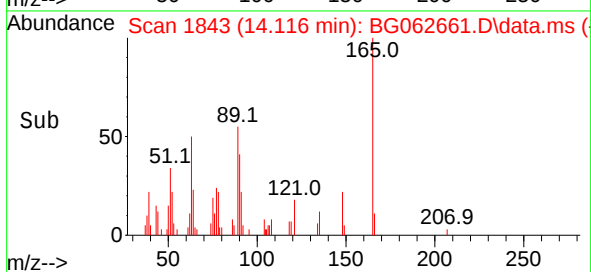
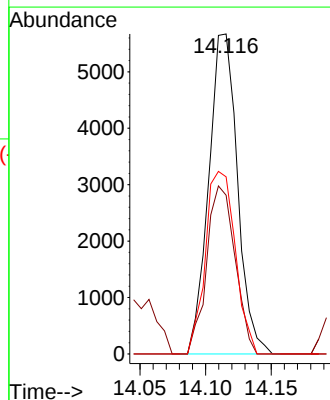
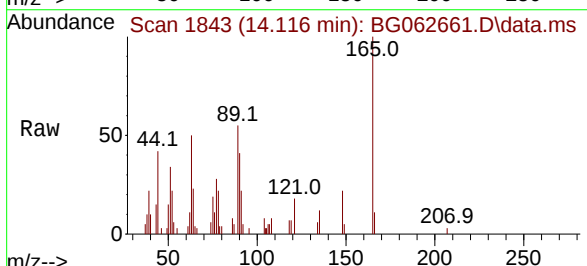
Tgt Ion:165 Resp: 8660

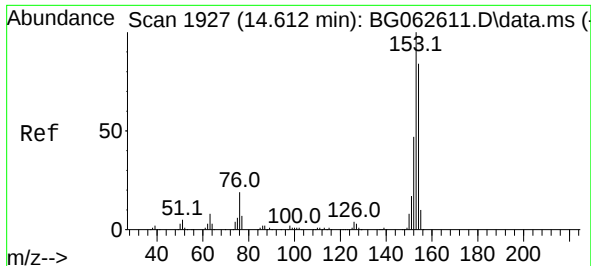
Ion Ratio Lower Upper

165 100

63 49.6 46.6 69.8

89 55.4 47.2 70.8





#52

Acenaphthene

Concen: 3.768 ng

RT: 14.609 min Scan# 1927

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

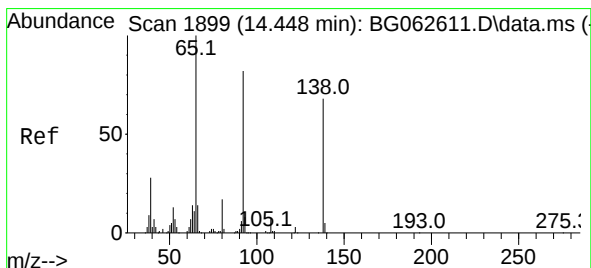
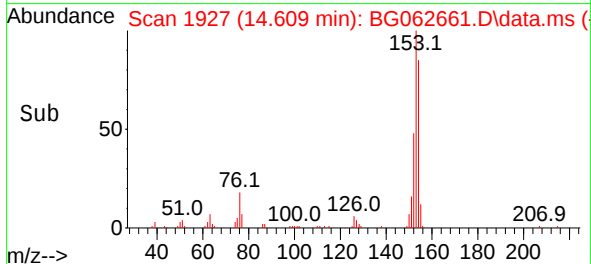
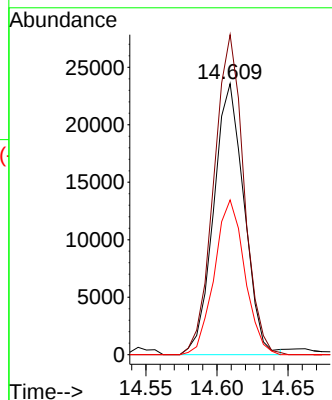
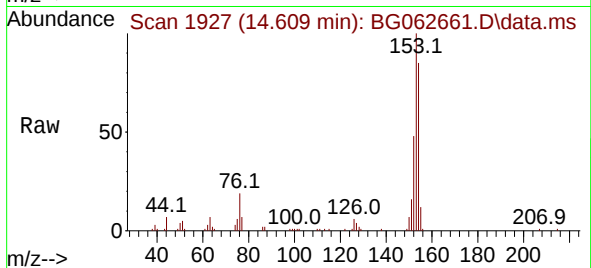
Tgt Ion:154 Resp: 35132

Ion Ratio Lower Upper

154 100

153 118.0 95.0 142.4

152 57.1 45.0 67.6



#53

3-Nitroaniline

Concen: 3.317 ng

RT: 14.445 min Scan# 1899

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

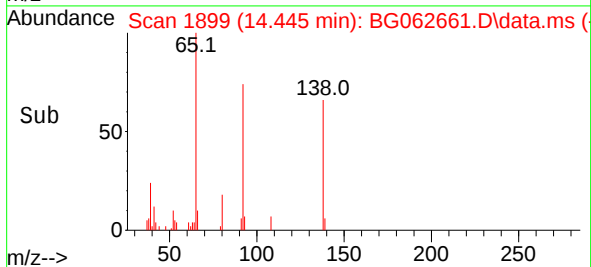
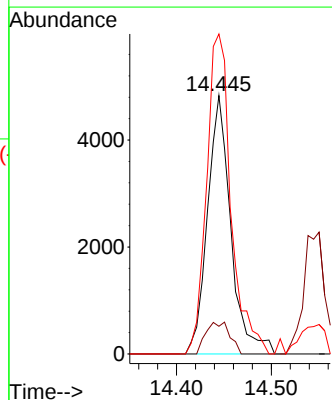
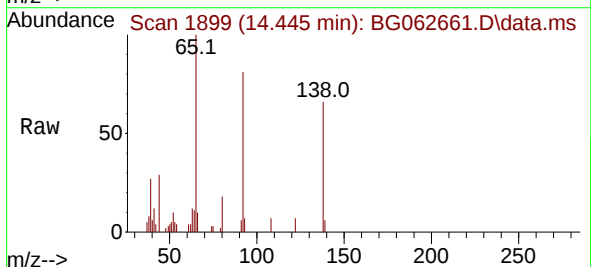
Tgt Ion:138 Resp: 8268

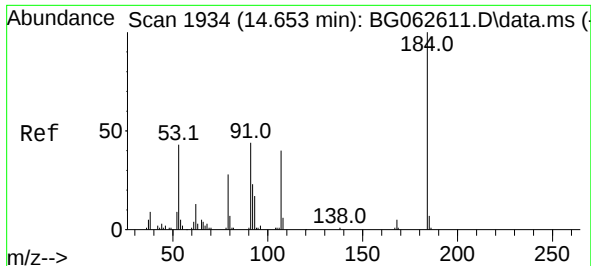
Ion Ratio Lower Upper

138 100

108 10.7 8.6 13.0

92 123.9 95.7 143.5





#54

2,4-Dinitrophenol

Concen: 1.177 ng

RT: 14.662 min Scan# 1936

Delta R.T. 0.009 min

Lab File: BG062661.D

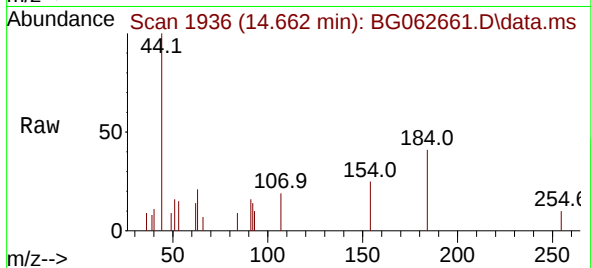
Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024



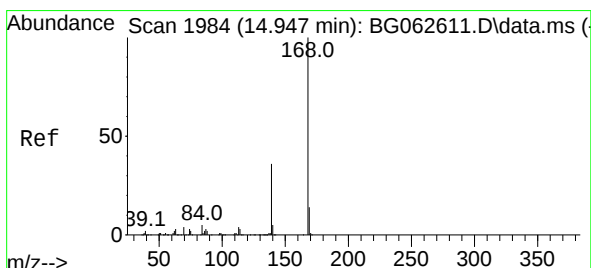
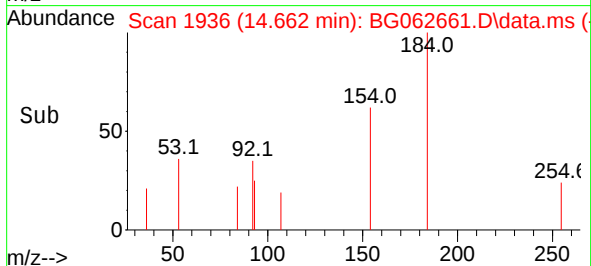
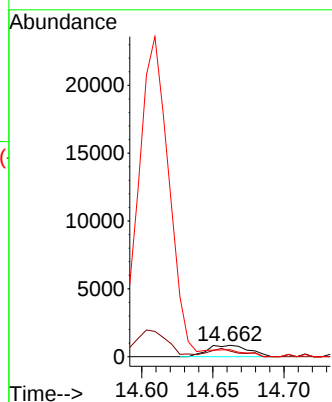
Tgt Ion:184 Resp: 1701

Ion Ratio Lower Upper

184 100

63 50.2 49.0 73.4

154 62.1 50.5 75.7



#55

Dibenzofuran

Concen: 3.944 ng

RT: 14.944 min Scan# 1984

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

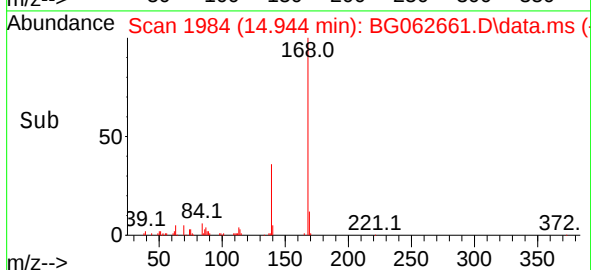
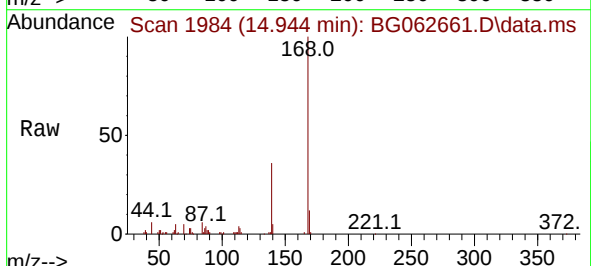
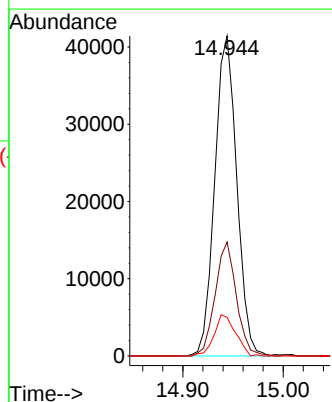
Tgt Ion:168 Resp: 63050

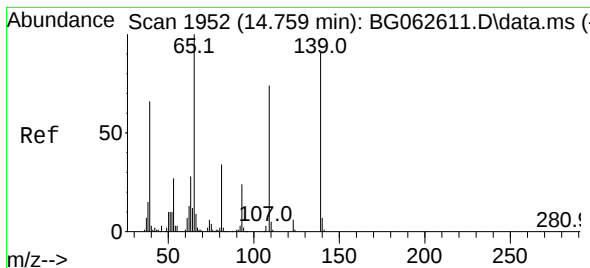
Ion Ratio Lower Upper

168 100

139 35.6 28.6 42.8

169 12.1 11.0 16.6





#56

4-Nitrophenol

Concen: 3.009 ng

RT: 14.756 min Scan# 1952

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

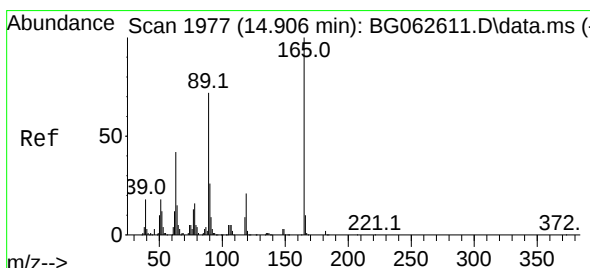
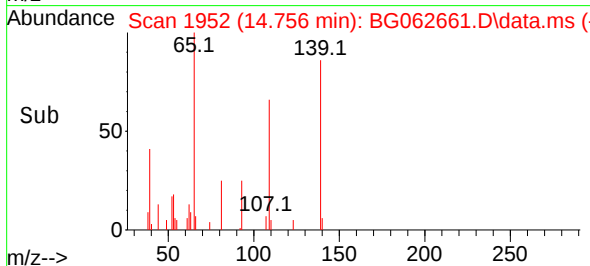
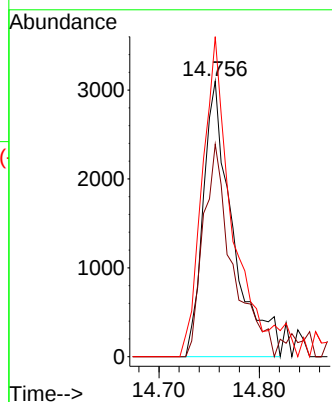
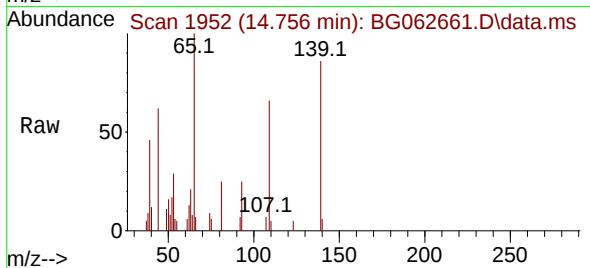
Tgt Ion:139 Resp: 6357

Ion Ratio Lower Upper

139 100

109 77.1 61.2 101.2

65 116.1 90.2 130.2



#57

2,4-Dinitrotoluene

Concen: 3.391 ng

RT: 14.897 min Scan# 1976

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Tgt Ion:165 Resp: 11919

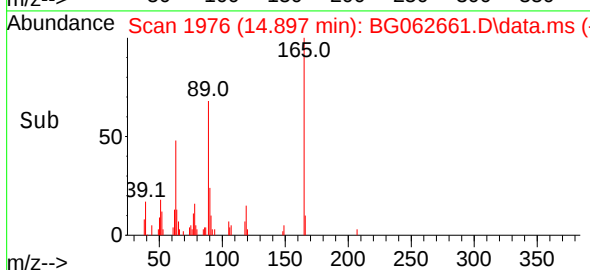
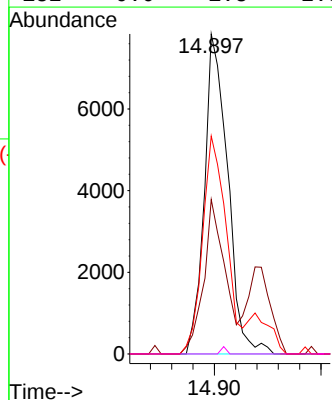
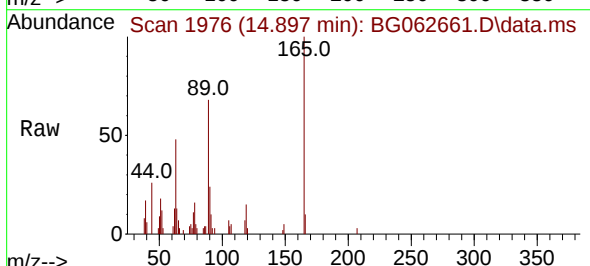
Ion Ratio Lower Upper

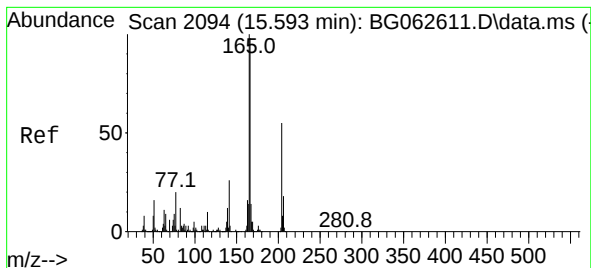
165 100

63 48.3 33.8 50.6

89 68.1 57.9 86.9

182 0.0 1.8 2.8#





#58

Fluorene

Concen: 3.827 ng

RT: 15.590 min Scan# 2094

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

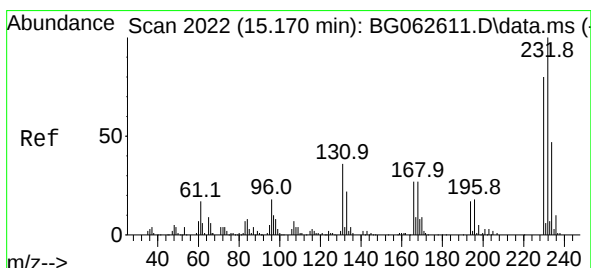
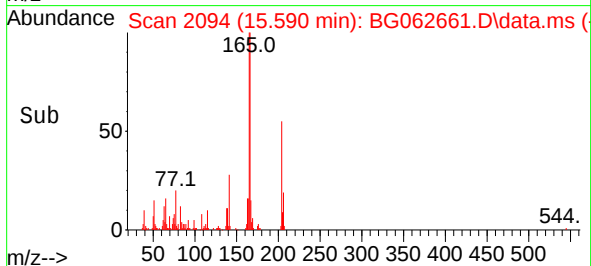
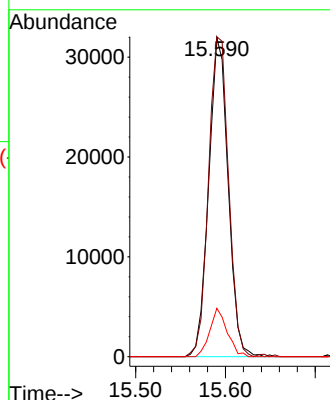
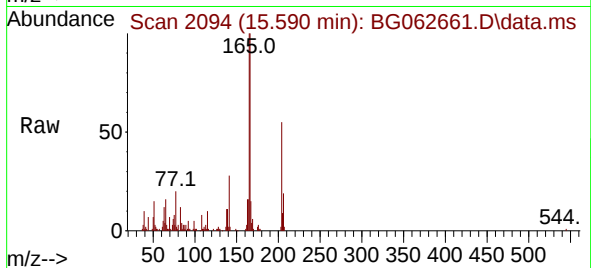
Tgt Ion:166 Resp: 48014

Ion Ratio Lower Upper

166 100

165 100.4 82.0 123.0

167 15.2 11.3 16.9



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.665 ng

RT: 15.167 min Scan# 2022

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Tgt Ion:232 Resp: 13960

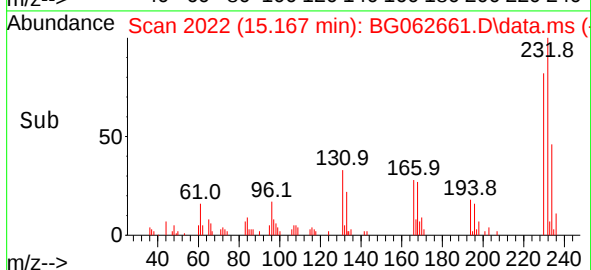
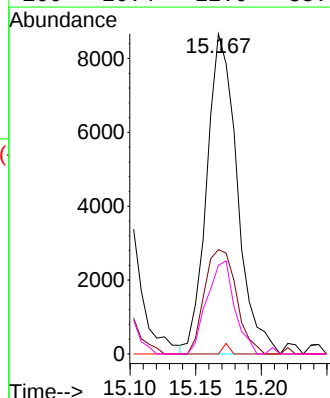
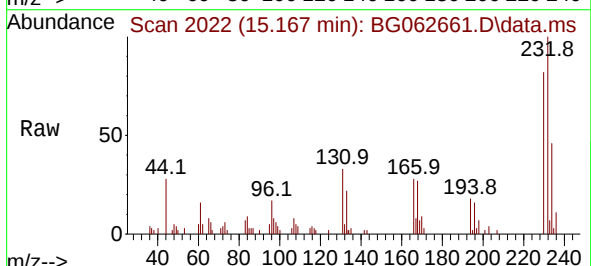
Ion Ratio Lower Upper

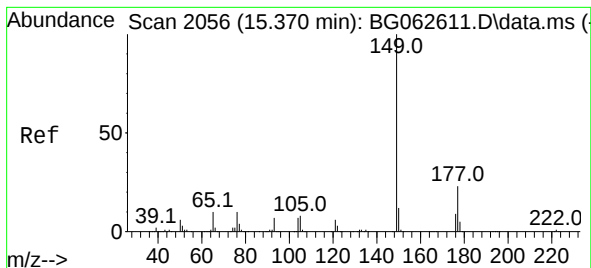
232 100

131 34.1 28.3 42.5

130 0.7 1.7 2.5#

166 26.4 22.0 33.0





#60

Diethylphthalate

Concen: 3.681 ng

RT: 15.361 min Scan# 2055

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

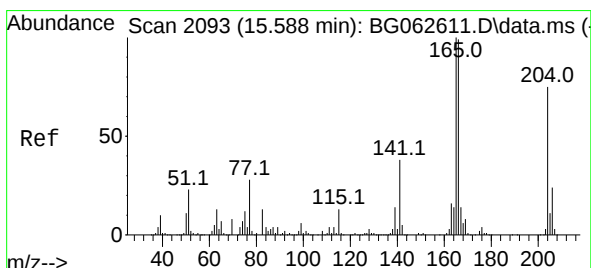
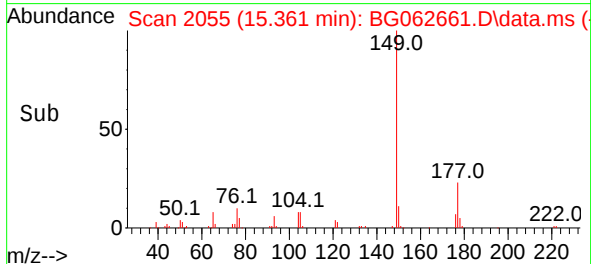
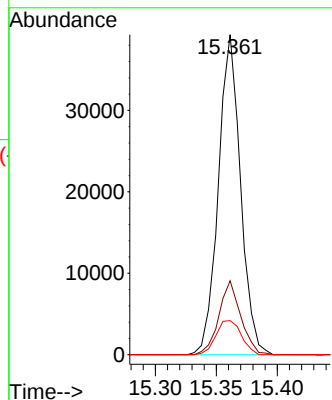
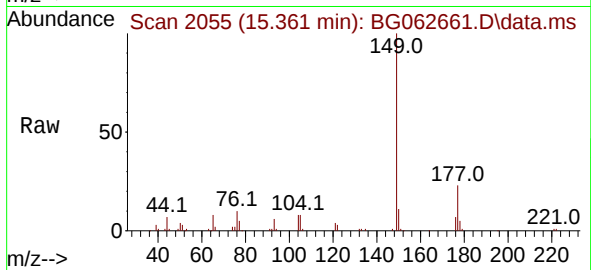
Tgt Ion:149 Resp: 49686

Ion Ratio Lower Upper

149 100

177 23.1 18.0 27.0

150 10.7 9.8 14.8



#61

4-Chlorophenyl-phenylether

Concen: 3.738 ng

RT: 15.585 min Scan# 2093

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

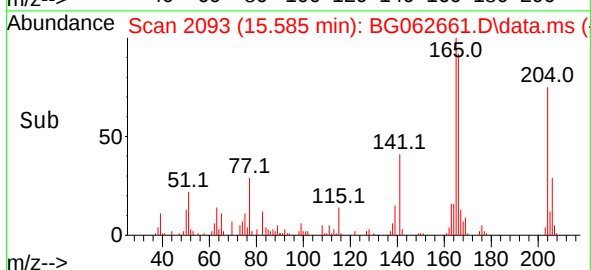
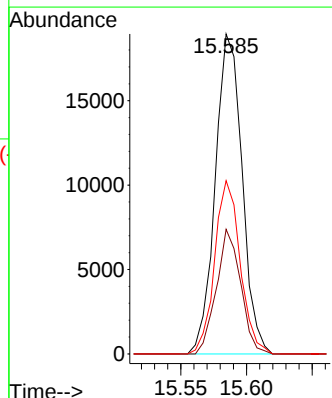
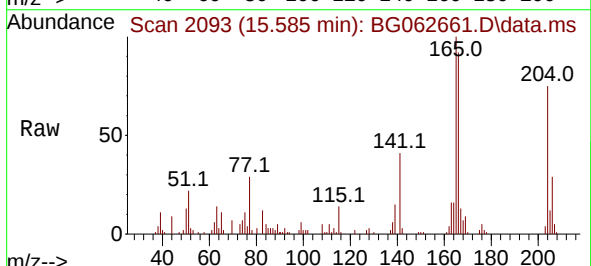
Tgt Ion:204 Resp: 26927

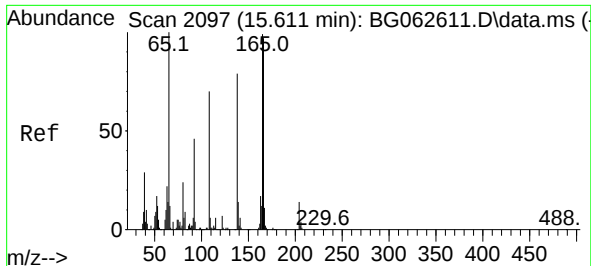
Ion Ratio Lower Upper

204 100

206 39.0 25.9 38.9#

141 54.2 41.0 61.6





#62

4-Nitroaniline

Concen: 3.454 ng

RT: 15.602 min Scan# 2097

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

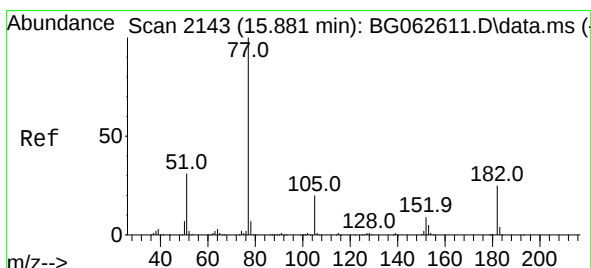
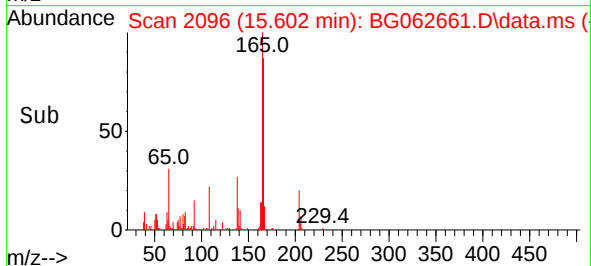
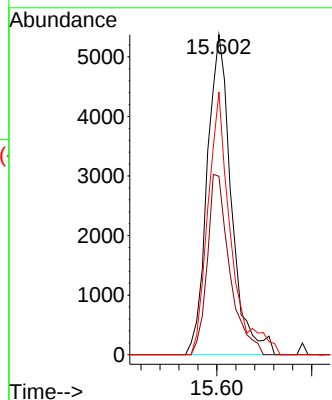
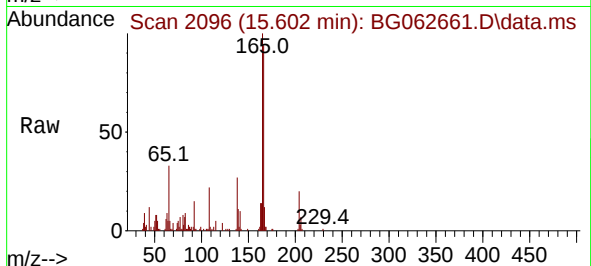
Tgt Ion:138 Resp: 9494

Ion Ratio Lower Upper

138 100

92 55.7 38.4 78.4

108 82.1 69.0 109.0



#63

Azobenzene

Concen: 3.651 ng

RT: 15.878 min Scan# 2143

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Tgt Ion: 77 Resp: 46277

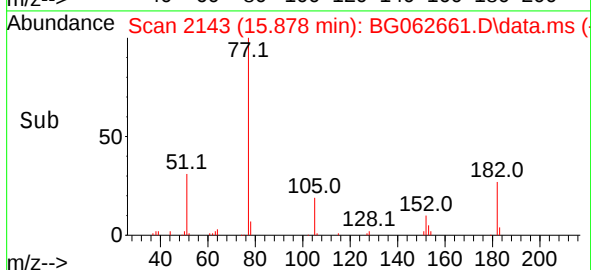
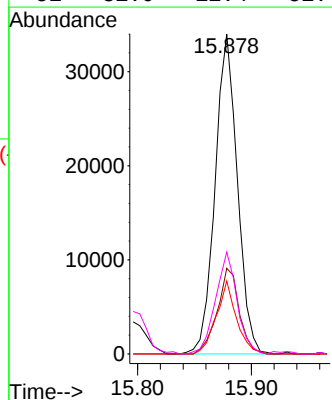
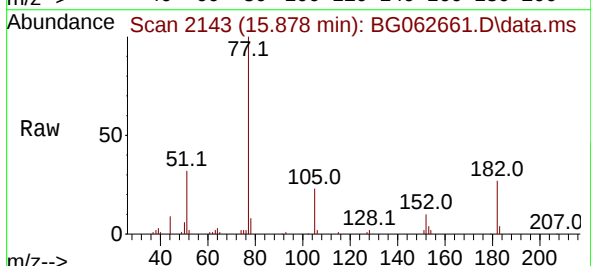
Ion Ratio Lower Upper

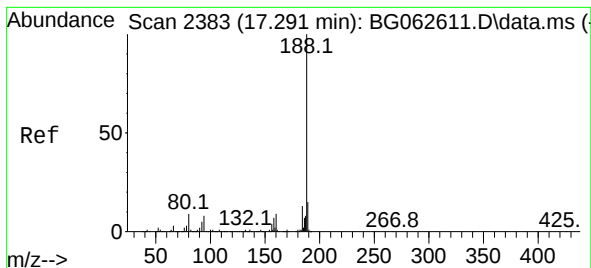
77 100

182 26.7 5.0 45.0

105 22.8 0.5 40.5

51 31.9 11.4 51.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.288 min Scan# 2383

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

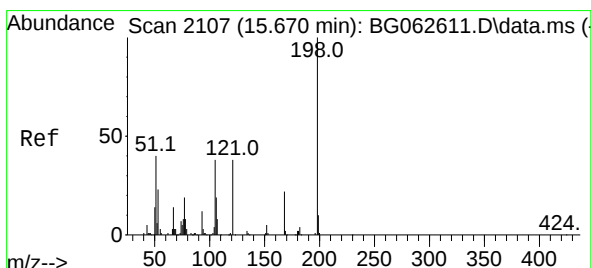
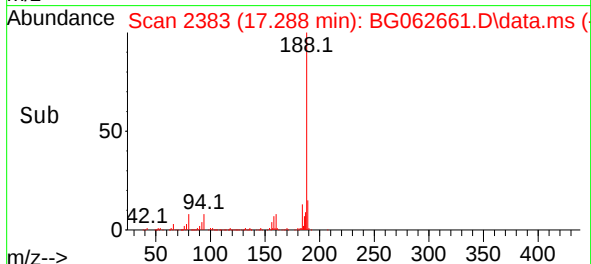
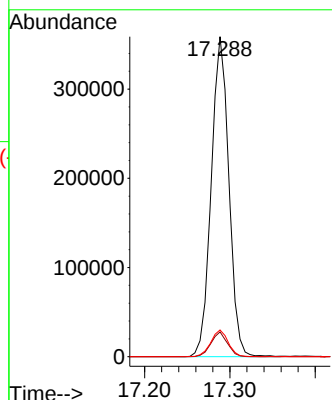
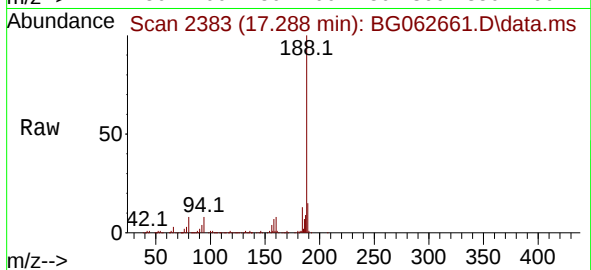
Tgt Ion:188 Resp: 514802

Ion Ratio Lower Upper

188 100

94 7.8 6.3 9.5

80 8.4 7.0 10.4



#65

4,6-Dinitro-2-methylphenol

Concen: 2.374 ng

RT: 15.667 min Scan# 2107

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

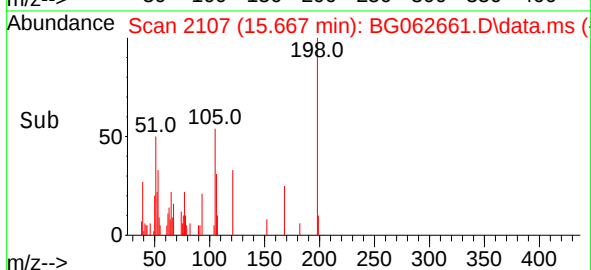
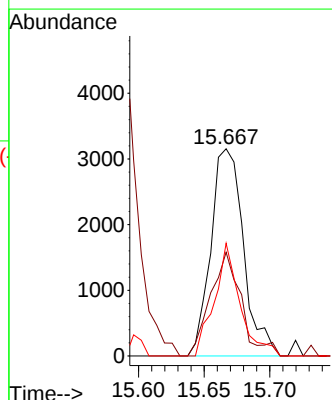
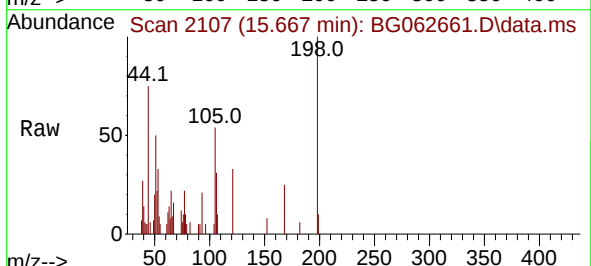
Tgt Ion:198 Resp: 5455

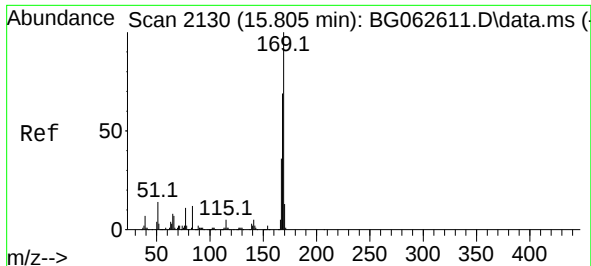
Ion Ratio Lower Upper

198 100

51 50.0 25.1 65.1

105 54.4 18.3 58.3

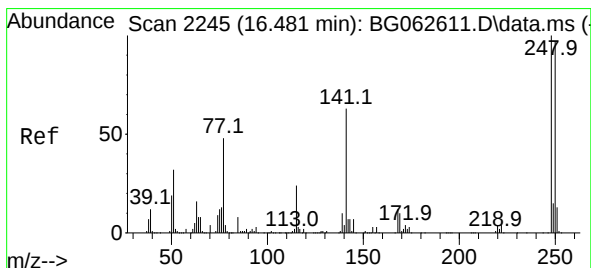
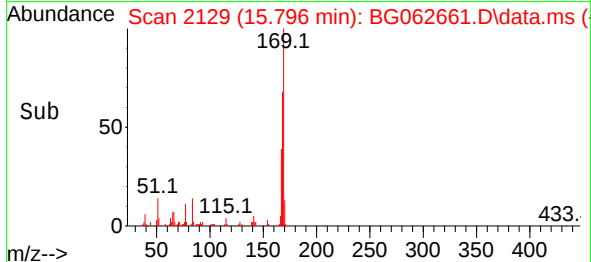
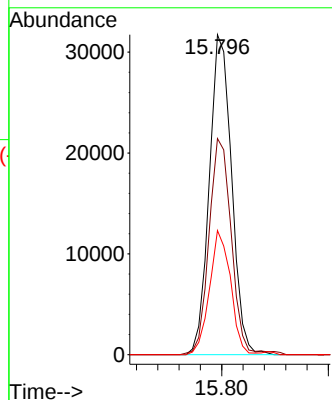
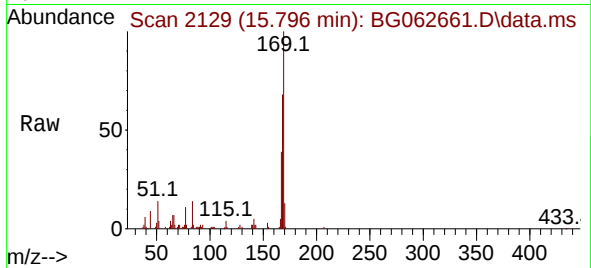




#66
n-Nitrosodiphenylamine
Concen: 3.718 ng
RT: 15.796 min Scan# 2130
Delta R.T. -0.009 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

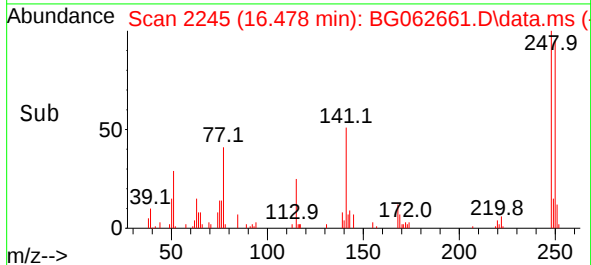
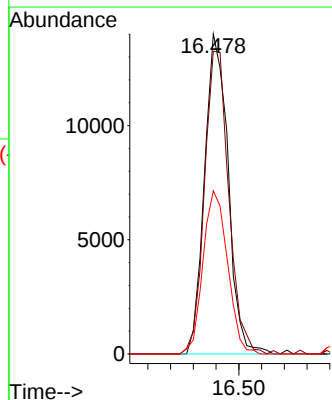
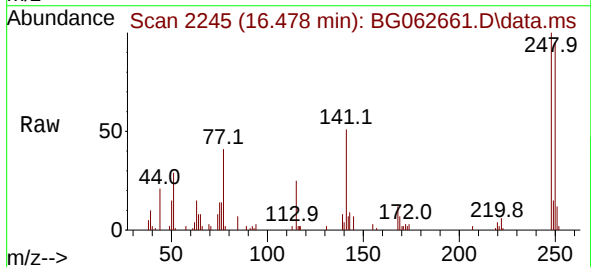
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

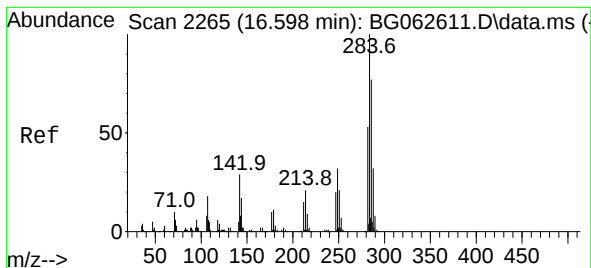
Tgt Ion:169 Resp: 46012
Ion Ratio Lower Upper
169 100
168 67.5 55.4 83.2
167 38.8 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 3.788 ng
RT: 16.478 min Scan# 2245
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:248 Resp: 20125
Ion Ratio Lower Upper
248 100
250 94.6 77.9 116.9
141 51.0 50.2 75.2





#68

Hexachlorobenzene

Concen: 3.851 ng

RT: 16.595 min Scan# 2265

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

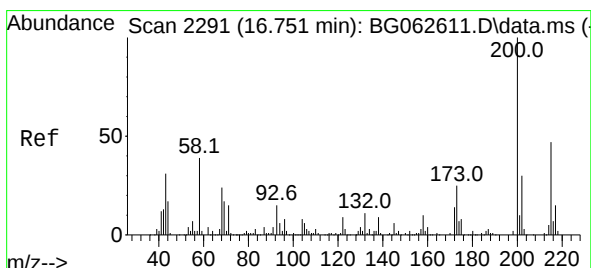
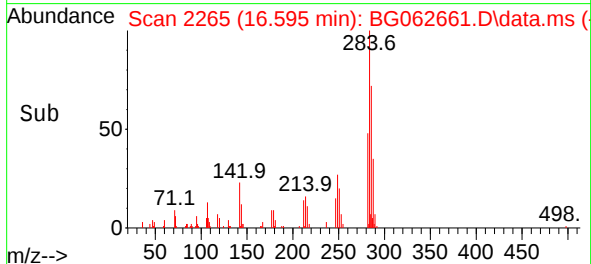
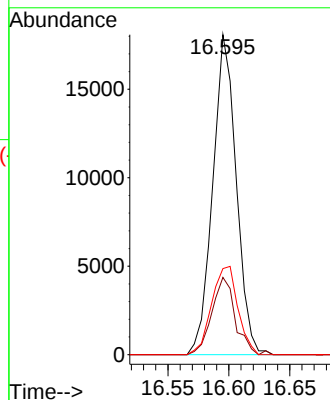
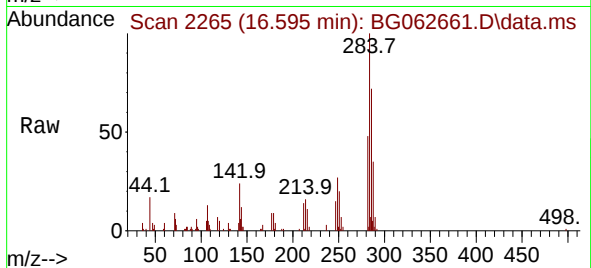
Tgt Ion:284 Resp: 24232

Ion Ratio Lower Upper

284 100

142 24.1 23.5 35.3

249 26.9 25.4 38.0



#69

Atrazine

Concen: 4.721 ng

RT: 16.742 min Scan# 2290

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

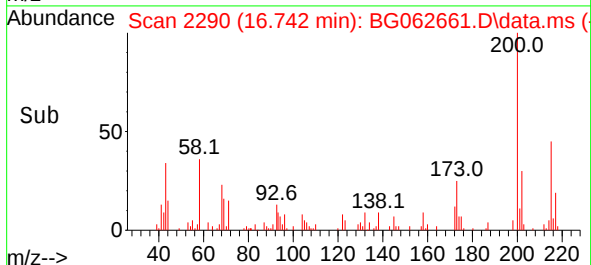
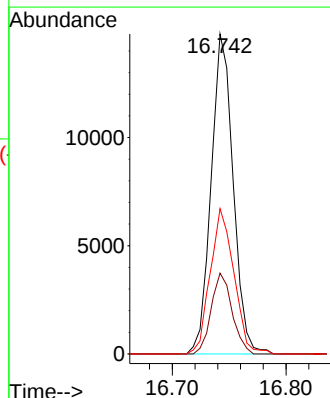
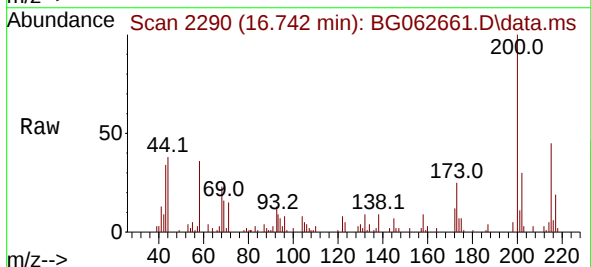
Tgt Ion:200 Resp: 19847

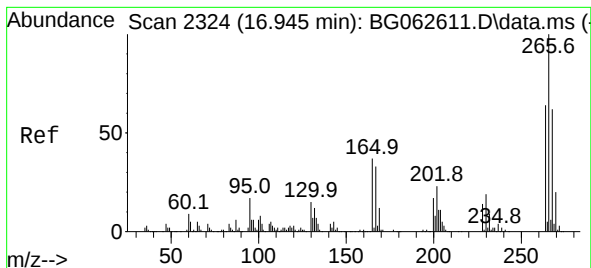
Ion Ratio Lower Upper

200 100

173 25.2 5.2 45.2

215 45.4 27.3 67.3





#70

Pentachlorophenol

Concen: 1.878 ng

RT: 16.948 min Scan# 2324

Delta R.T. 0.003 min

Lab File: BG062661.D

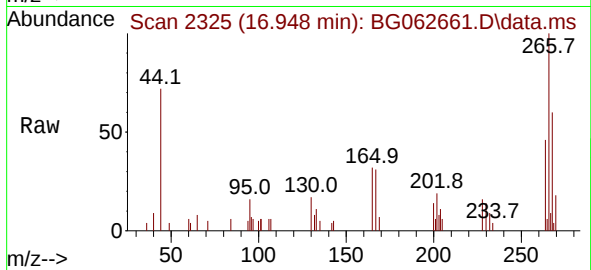
Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024



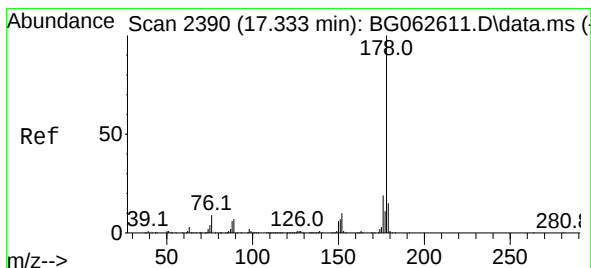
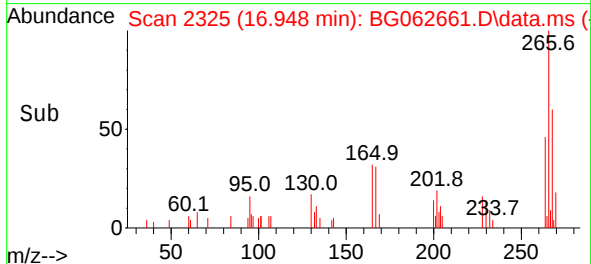
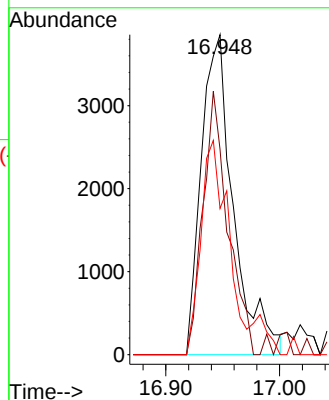
Tgt Ion:266 Resp: 7567

Ion Ratio Lower Upper

266 100

268 64.2 52.6 79.0

264 51.6 51.6 77.4



#71

Phenanthrene

Concen: 3.975 ng

RT: 17.330 min Scan# 2390

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

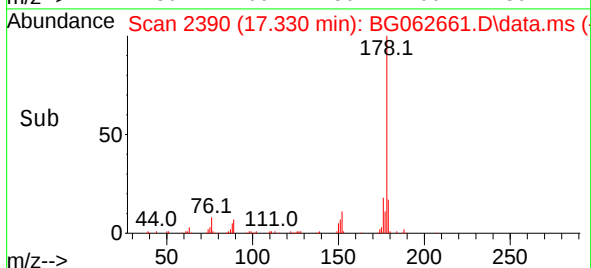
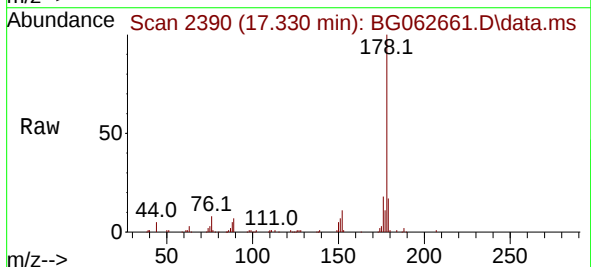
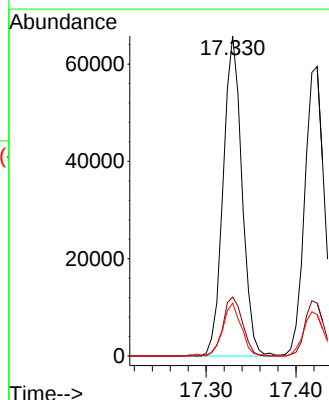
Tgt Ion:178 Resp: 95509

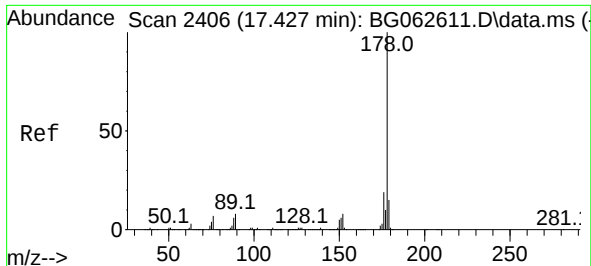
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 16.5 12.2 18.4

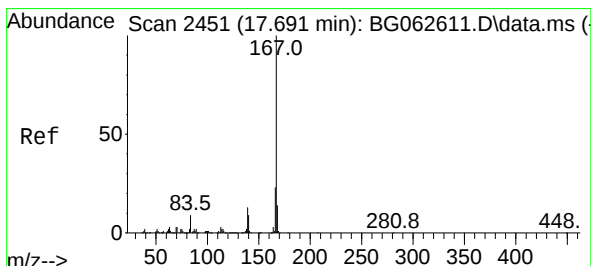
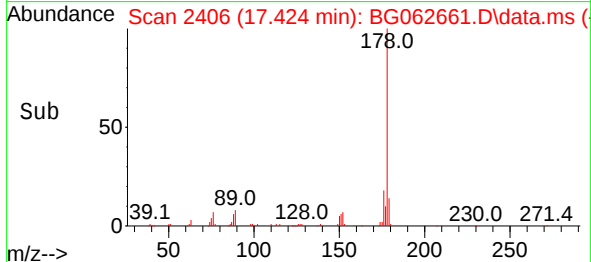
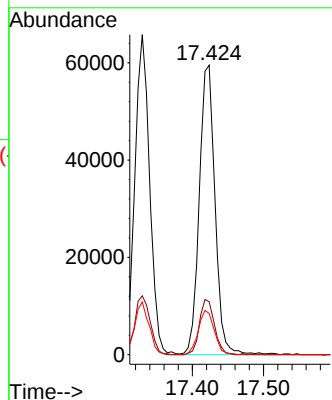
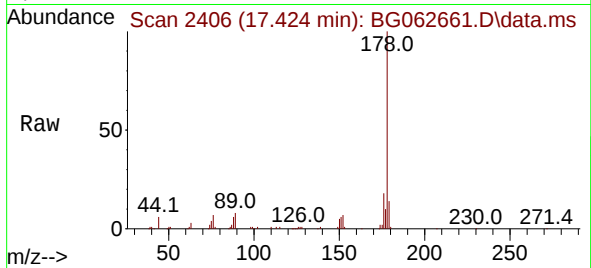




#72
 Anthracene
 Concen: 3.893 ng
 RT: 17.424 min Scan# 2406
 Delta R.T. -0.003 min
 Lab File: BG062661.D
 Acq: 5 Sep 2024 11:10

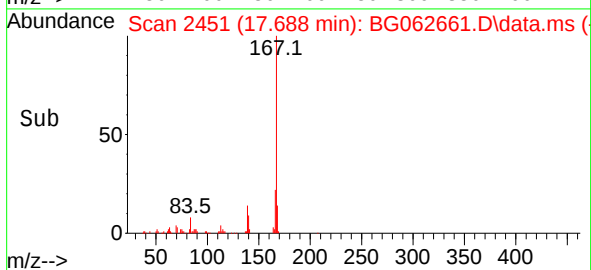
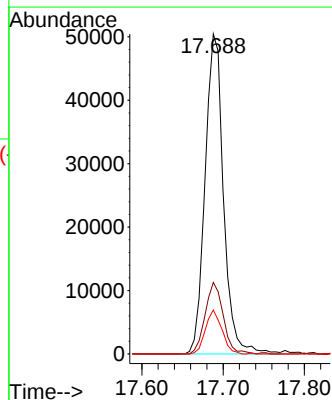
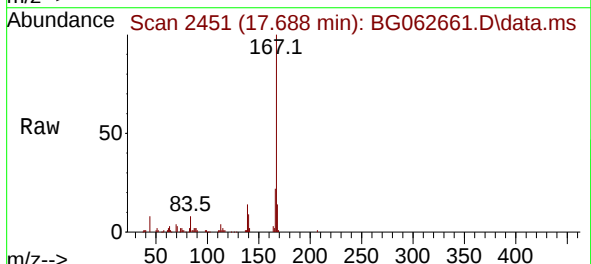
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

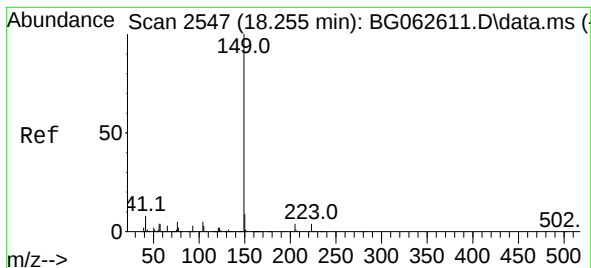
Tgt Ion:178 Resp: 91974
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.2 22.8
 179 14.3 12.0 18.0



#73
 Carbazole
 Concen: 3.658 ng
 RT: 17.688 min Scan# 2451
 Delta R.T. -0.003 min
 Lab File: BG062661.D
 Acq: 5 Sep 2024 11:10

Tgt Ion:167 Resp: 79457
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.2
 139 13.8 10.1 15.1





#74

Di-n-butylphthalate

Concen: 3.481 ng

RT: 18.252 min Scan# 2547

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

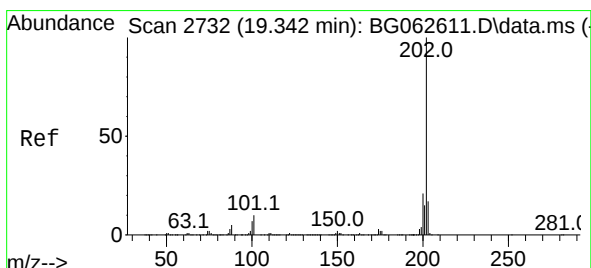
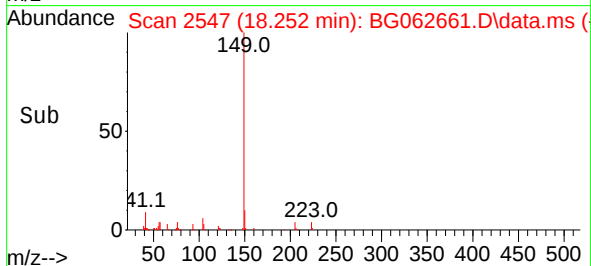
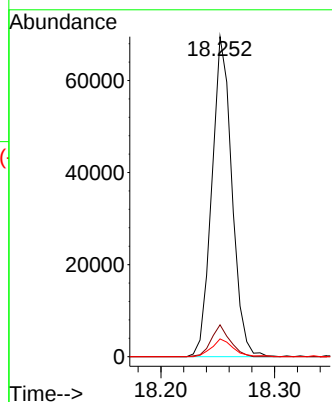
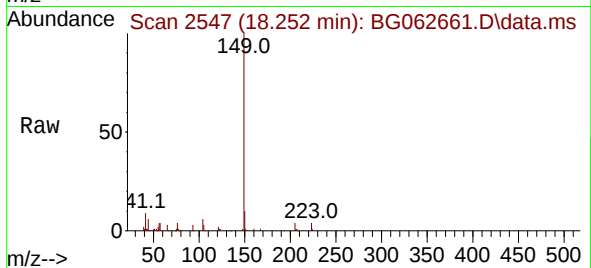
Tgt Ion:149 Resp: 85251

Ion Ratio Lower Upper

149 100

150 9.9 7.3 10.9

104 5.5 4.2 6.2



#75

Fluoranthene

Concen: 3.989 ng

RT: 19.339 min Scan# 2732

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

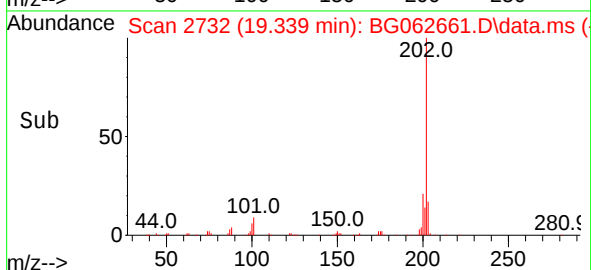
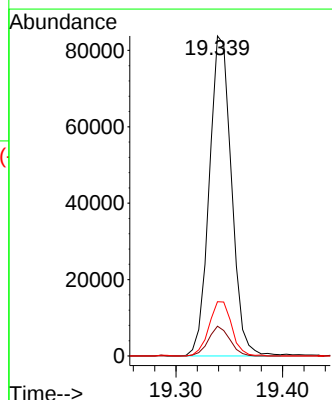
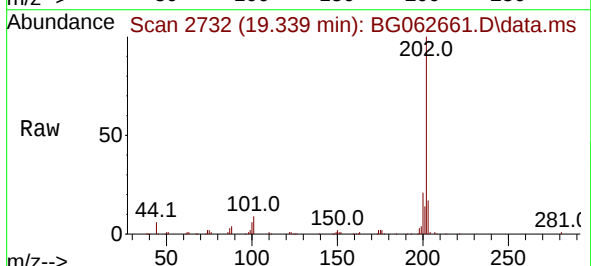
Tgt Ion:202 Resp: 121235

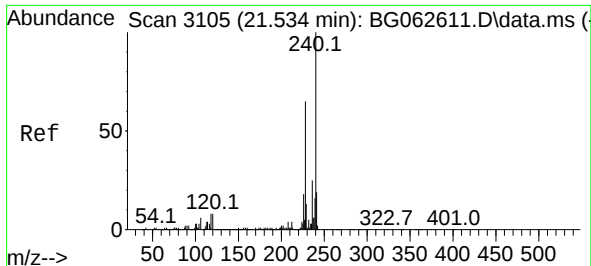
Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.6

203 16.9 0.0 37.4

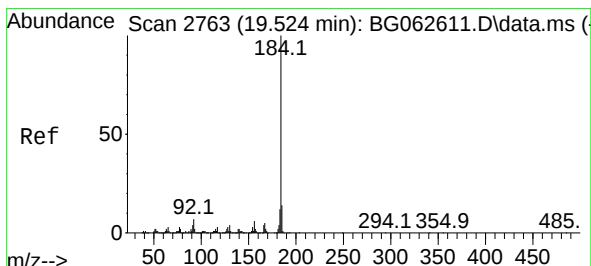
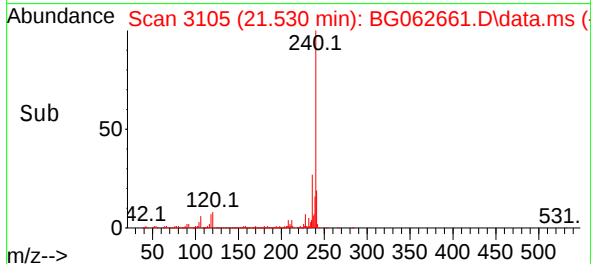
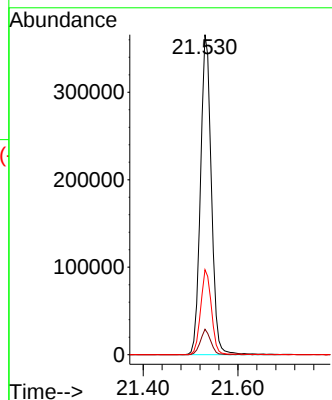
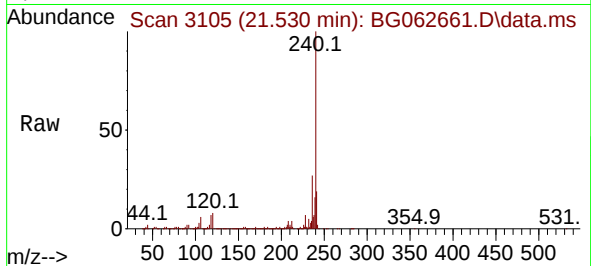




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.530 min Scan# 3105
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

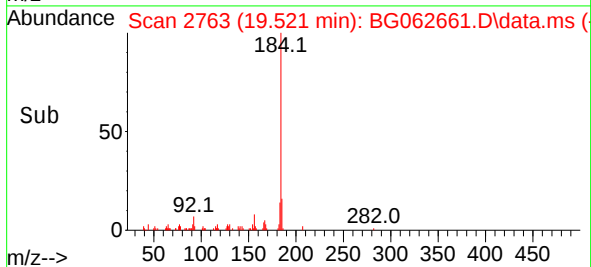
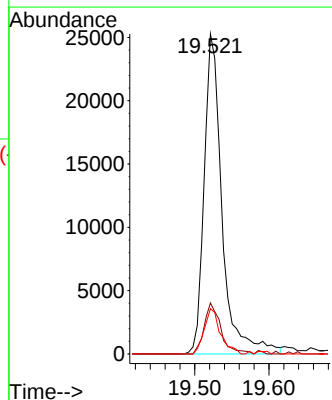
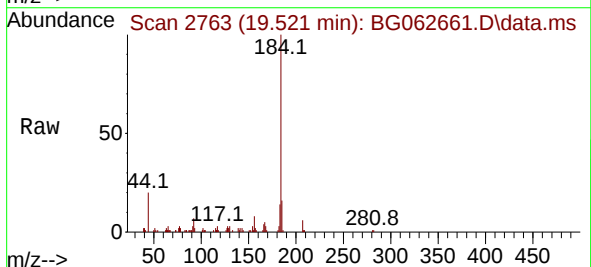
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

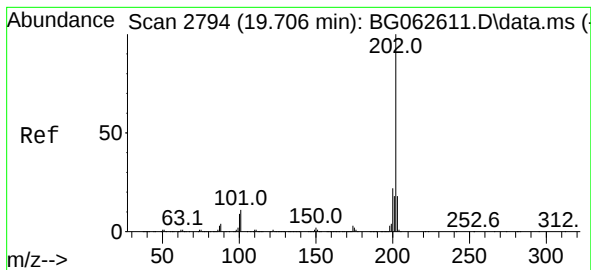
Tgt Ion:240 Resp: 580074
Ion Ratio Lower Upper
240 100
120 7.9 6.6 9.8
236 26.5 20.2 30.4



#77
Benzidine
Concen: 4.056 ng
RT: 19.521 min Scan# 2763
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:184 Resp: 42411
Ion Ratio Lower Upper
184 100
185 15.9 11.0 16.6
183 14.1 9.7 14.5





#78

Pyrene

Concen: 3.562 ng

RT: 19.703 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

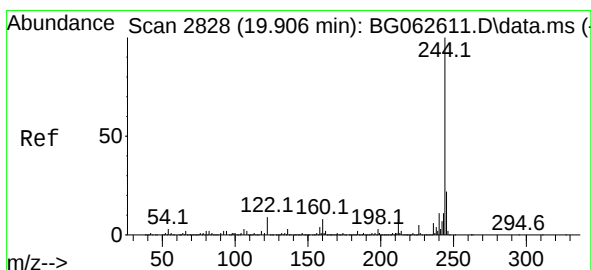
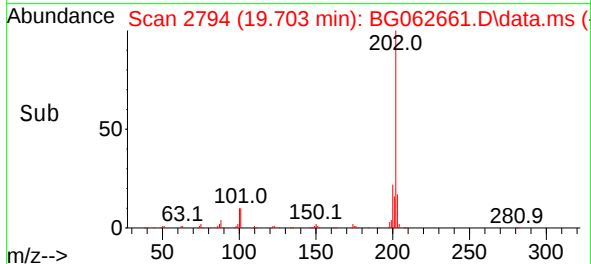
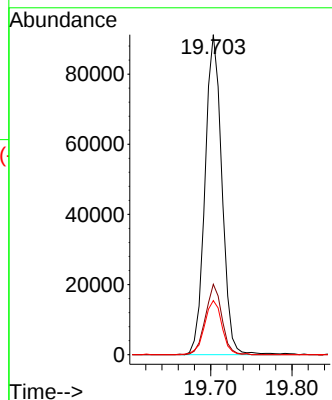
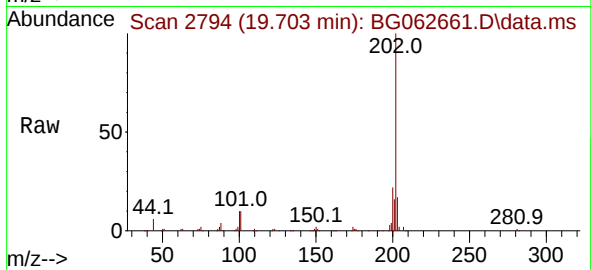
Tgt Ion:202 Resp: 131356

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

203 16.9 14.1 21.1



#79

Terphenyl-d14

Concen: 69.601 ng

RT: 19.909 min Scan# 2829

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

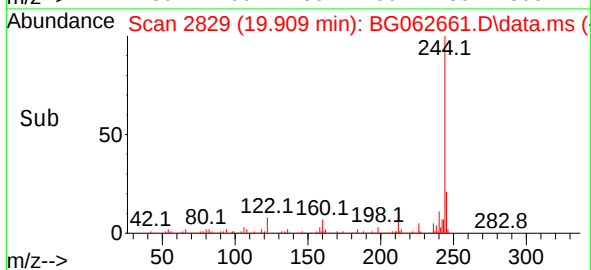
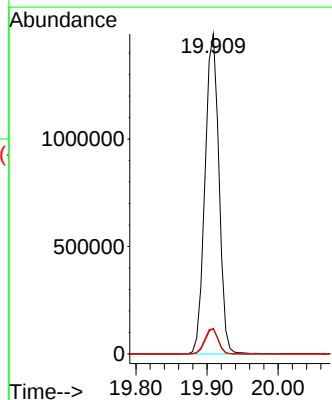
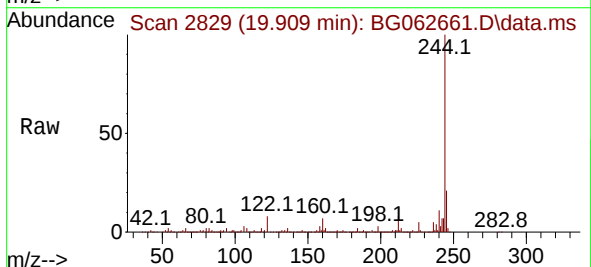
Tgt Ion:244 Resp: 2036152

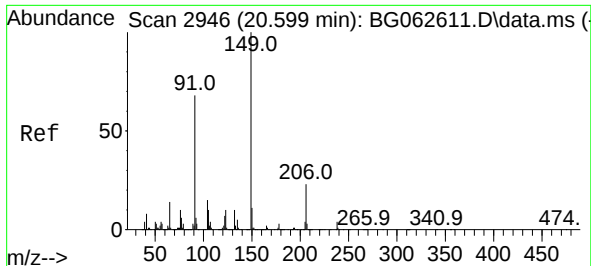
Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

122 7.8 7.2 10.8

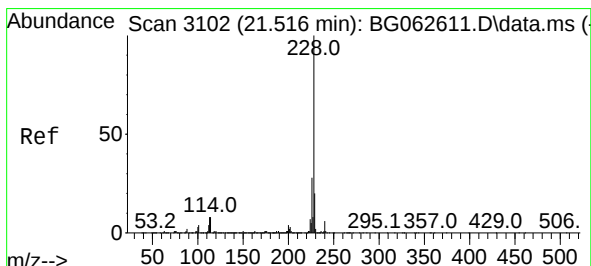
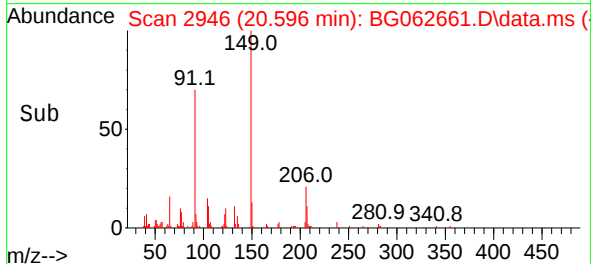
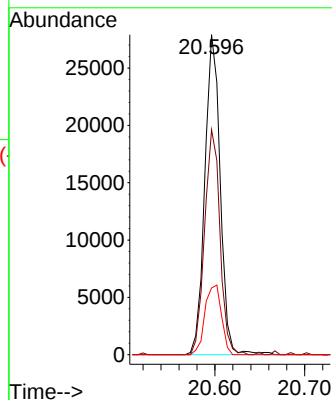
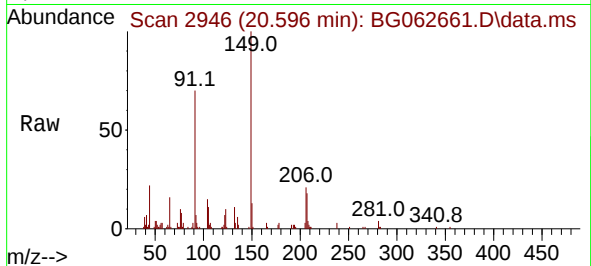




#80
Butylbenzylphthalate
Concen: 3.069 ng
RT: 20.596 min Scan# 2946
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

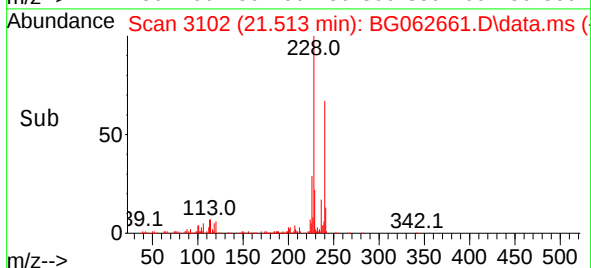
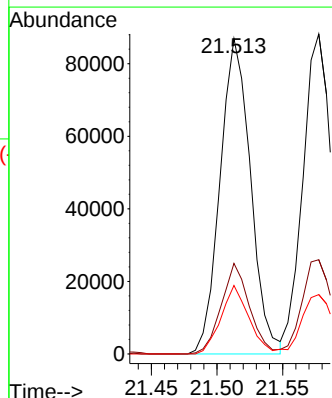
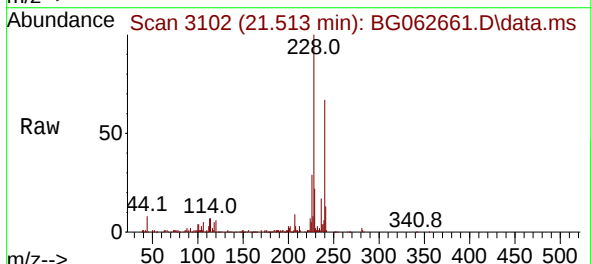
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

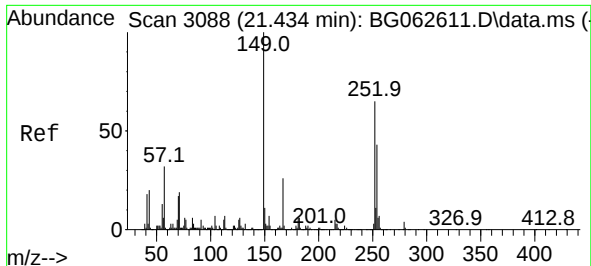
Tgt Ion:	149	Resp:	33235
Ion Ratio	Lower	Upper	
149	100		
91	70.3	54.6	81.8
206	20.9	18.4	27.6



#81
Benzo(a)anthracene
Concen: 3.845 ng
RT: 21.513 min Scan# 3102
Delta R.T. -0.003 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Tgt Ion:	228	Resp:	140677
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.3	33.5
229	21.7	16.2	24.2





#82

3,3'-Dichlorobenzidine

Concen: 3.698 ng

RT: 21.431 min Scan# 3088

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

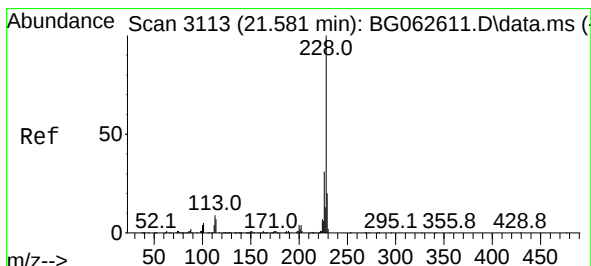
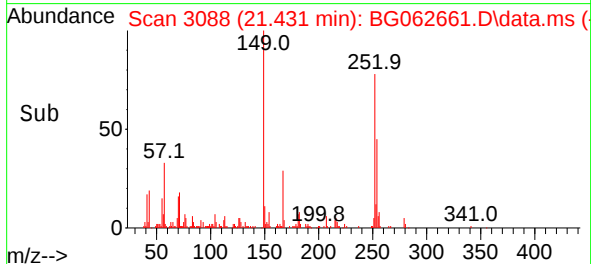
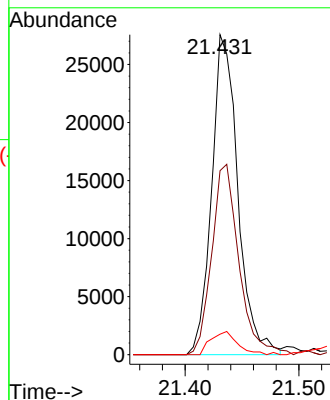
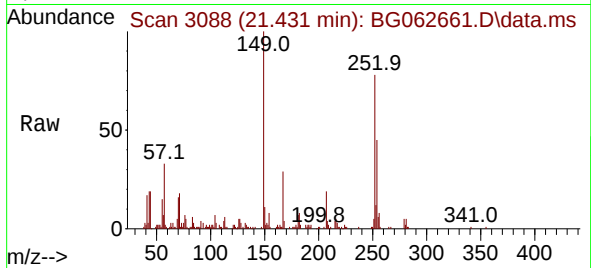
Tgt Ion:252 Resp: 44079

Ion Ratio Lower Upper

252 100

254 57.5 52.2 78.2

126 6.4 6.7 10.1#



#83

Chrysene

Concen: 3.965 ng

RT: 21.577 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

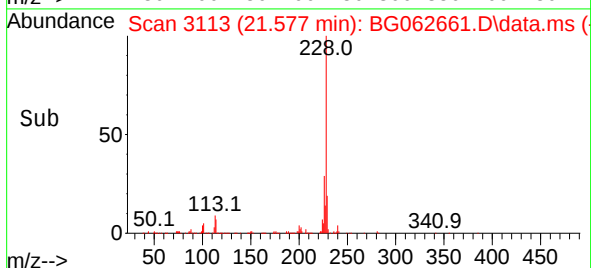
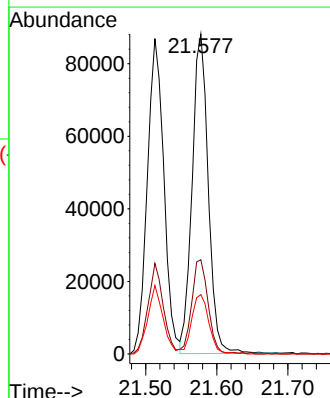
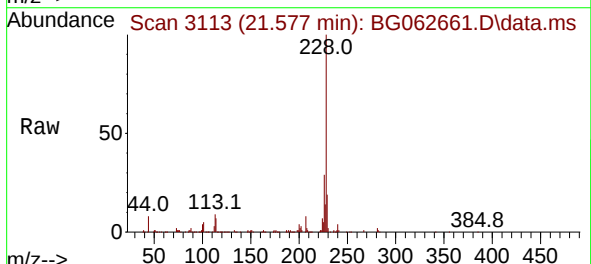
Tgt Ion:228 Resp: 138951

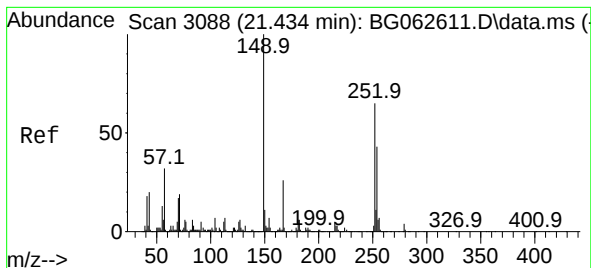
Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

229 18.5 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.113 ng

RT: 21.436 min Scan# 3088

Delta R.T. 0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

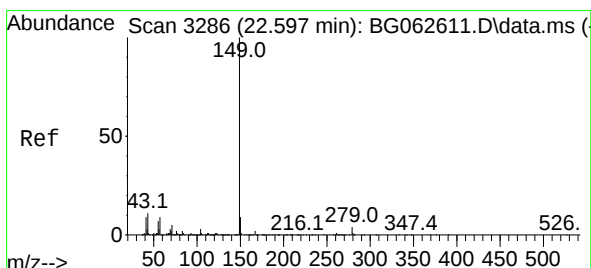
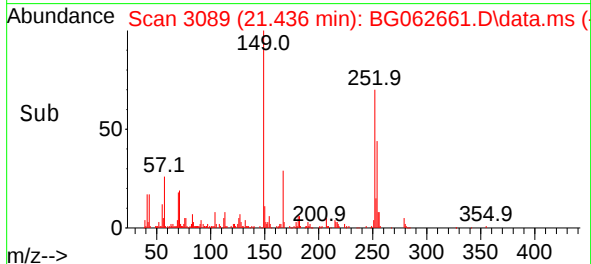
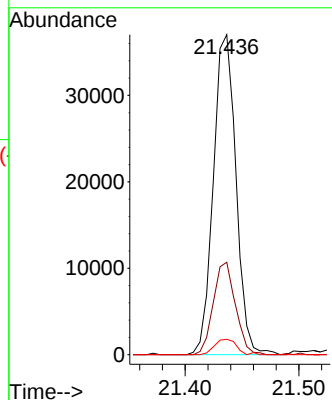
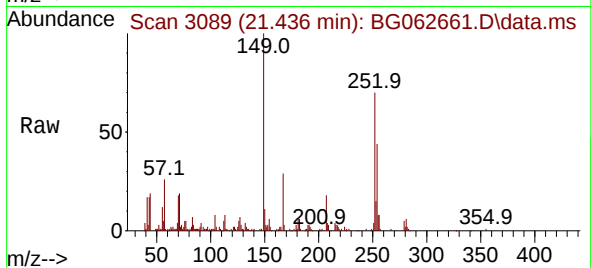
Tgt Ion:149 Resp: 51223

Ion Ratio Lower Upper

149 100

167 28.9 20.5 30.7

279 4.8 3.1 4.7#



#85

Di-n-octyl phthalate

Concen: 2.888 ng

RT: 22.594 min Scan# 3286

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

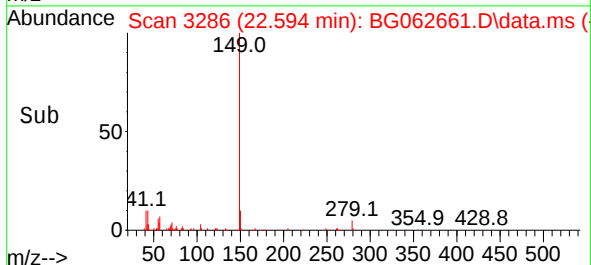
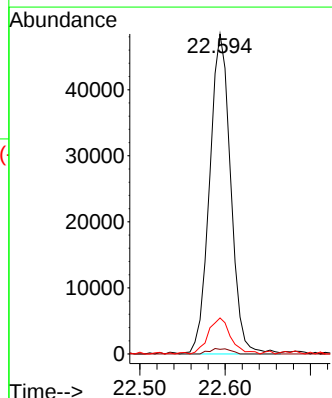
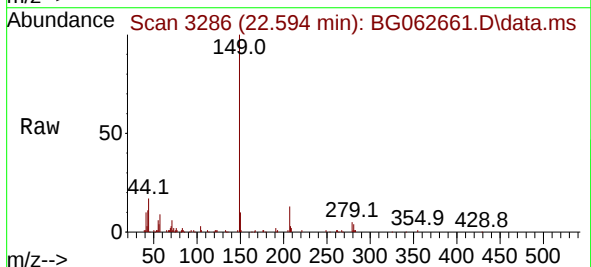
Tgt Ion:149 Resp: 83194

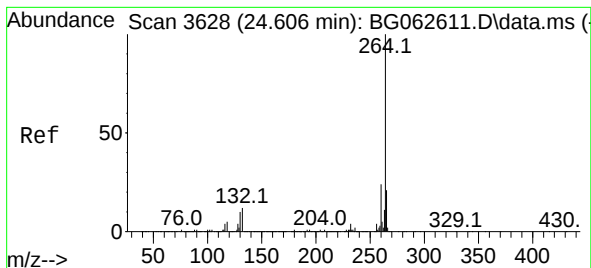
Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 12.0 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.603 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

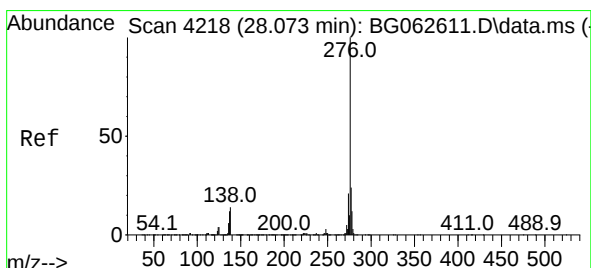
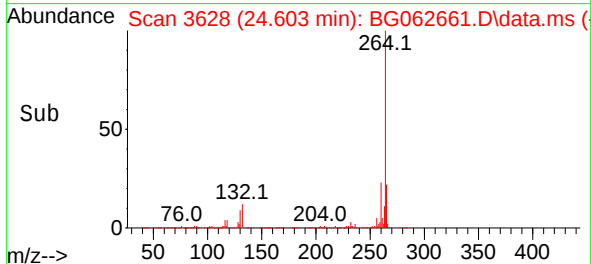
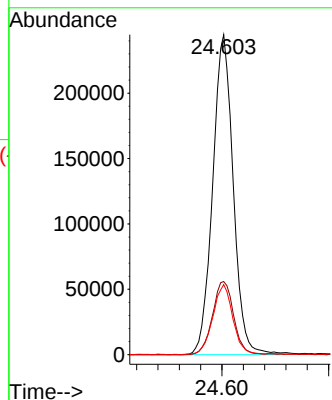
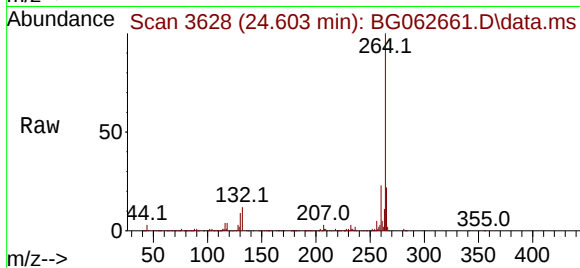
Tgt Ion:264 Resp: 654115

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.9 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.817 ng

RT: 28.052 min Scan# 4215

Delta R.T. -0.021 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

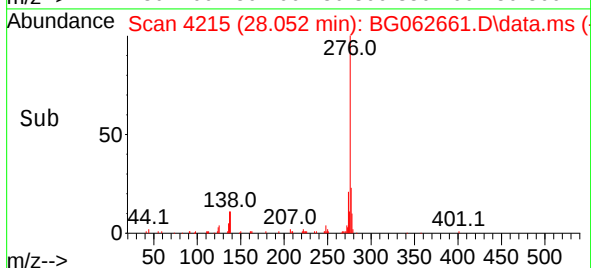
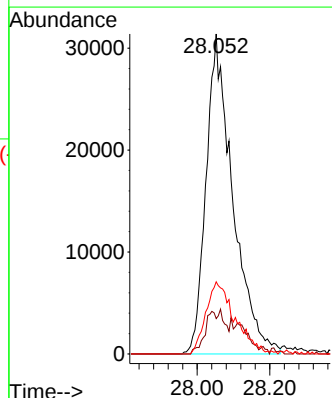
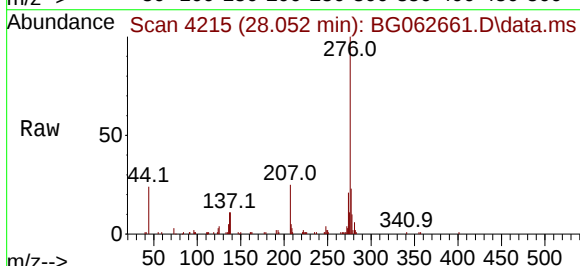
Tgt Ion:276 Resp: 160105

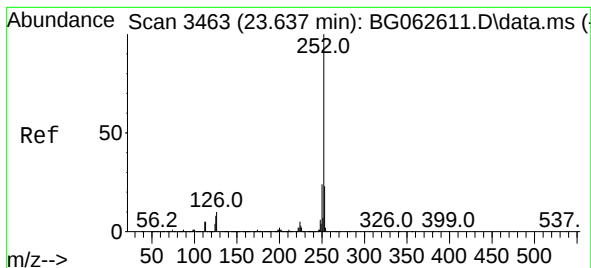
Ion Ratio Lower Upper

276 100

138 5.8 14.9 22.3#

277 24.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 3.520 ng

RT: 23.628 min Scan# 3462

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

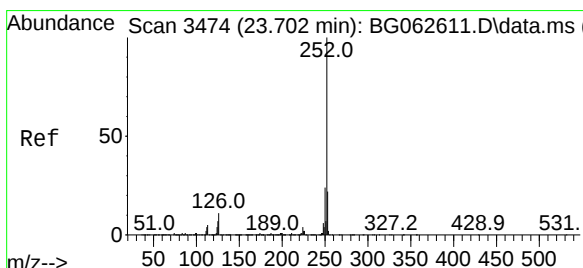
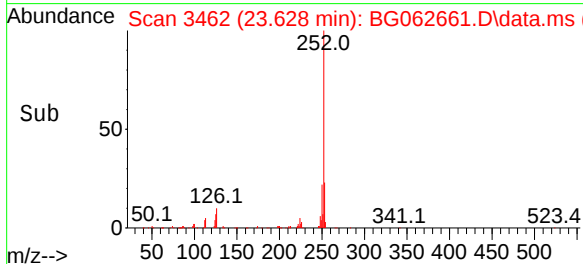
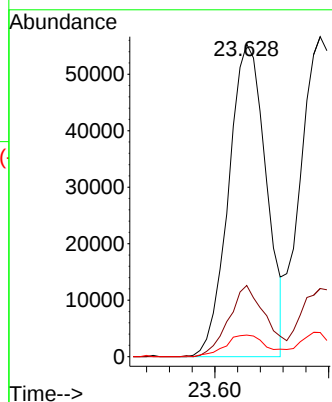
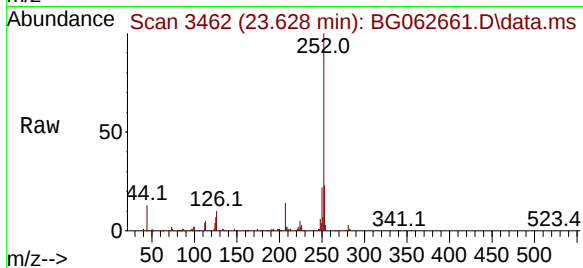
Tgt Ion:252 Resp: 127179

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 6.9 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 3.910 ng

RT: 23.693 min Scan# 3473

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

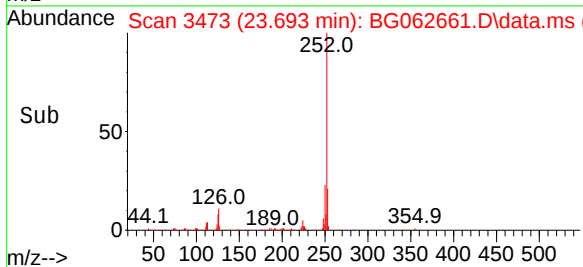
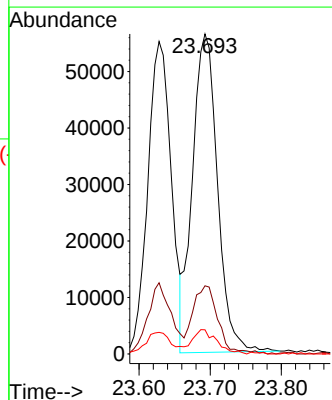
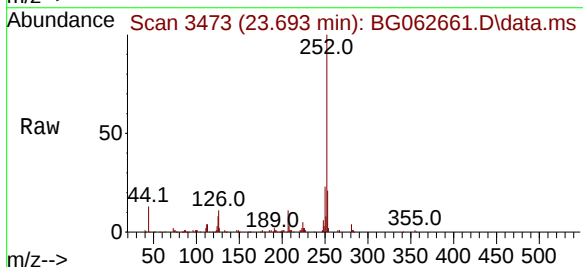
Tgt Ion:252 Resp: 138172

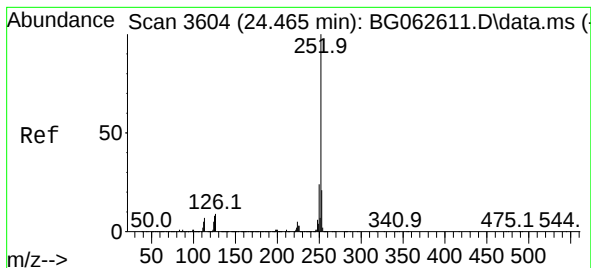
Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.8

125 7.5 6.1 9.1





#90

Benzo(a)pyrene

Concen: 3.720 ng

RT: 24.456 min Scan# 3

Delta R.T. -0.009 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

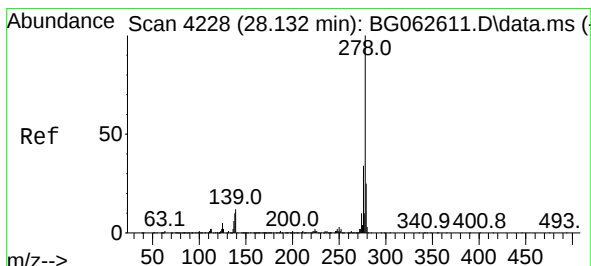
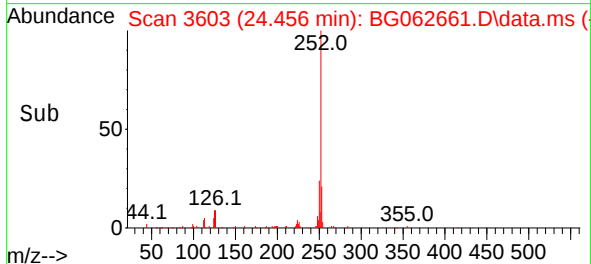
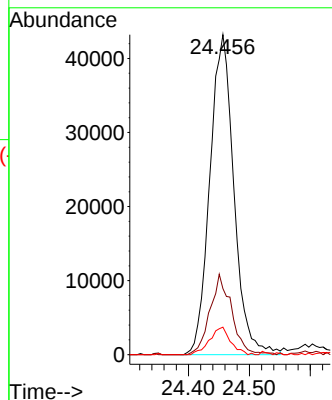
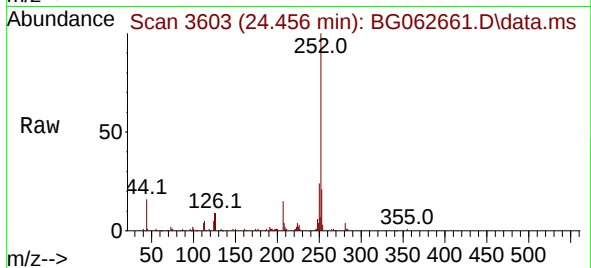
Tgt Ion:252 Resp: 118721

Ion Ratio Lower Upper

252 100

253 20.7 17.1 25.7

125 8.6 6.6 10.0



#91

Dibenzo(a,h)anthracene

Concen: 3.731 ng

RT: 28.117 min Scan# 4226

Delta R.T. -0.015 min

Lab File: BG062661.D

Acq: 5 Sep 2024 11:10

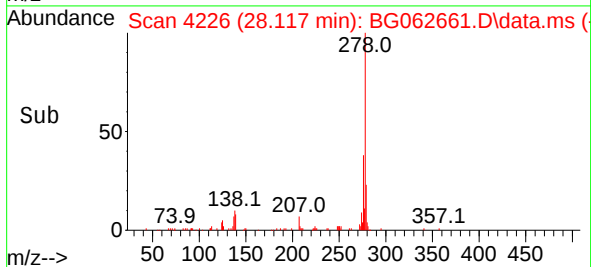
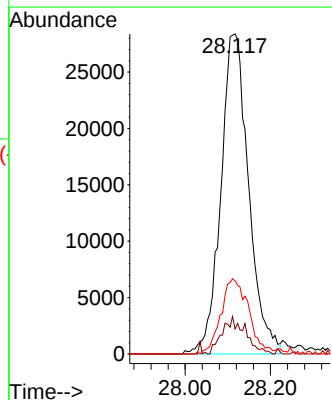
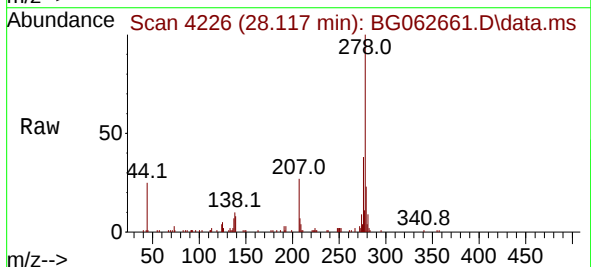
Tgt Ion:278 Resp: 128918

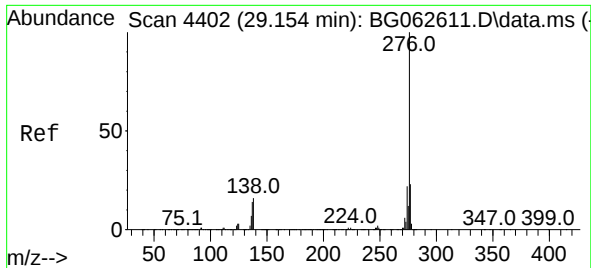
Ion Ratio Lower Upper

278 100

139 7.8 9.2 13.8#

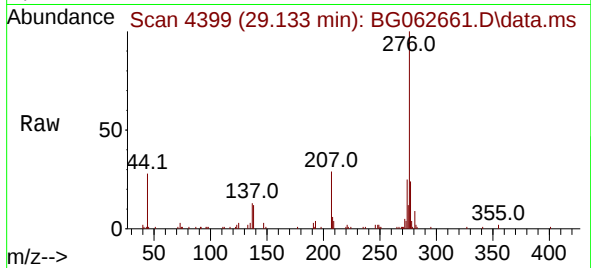
279 22.8 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 3.501 ng
RT: 29.133 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG062661.D
Acq: 5 Sep 2024 11:10

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:276 Resp: 121969
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 12.2 12.7 19.1#

