

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090524\
 Data File : BG062662.D
 Acq On : 5 Sep 2024 11:50
 Operator : MA/JU
 Sample : P3390-03
 Misc : MDL-SOIL-8 ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 05 12:57:41 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	7.918	152	52287	20.000	ng	0.00
21) Naphthalene-d8	10.715	136	221555	20.000	ng	0.00
39) Acenaphthene-d10	14.546	164	178468	20.000	ng	0.00
64) Phenanthrene-d10	17.290	188	482507	20.000	ng	0.00
76) Chrysene-d12	21.532	240	523978	20.000	ng	0.00
86) Perylene-d12	24.605	264	581797	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	380621	125.828	ng	0.00
7) Phenol-d6	7.084	99	538297	123.182	ng	0.00
23) Nitrobenzene-d5	9.076	82	383150	93.137	ng	0.00
42) 2,4,6-Tribromophenol	16.032	330	370564	147.541	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1032183	93.682	ng	0.00
79) Terphenyl-d14	19.910	244	2170735	82.145	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.412	88	11145	8.844	ng	95
3) Pyridine	3.805	79	29172	8.035	ng	96
4) n-Nitrosodimethylamine	3.717	42	14497	8.213	ng	# 86
6) Aniline	7.248	93	40173	9.840	ng	94
8) 2-Chlorophenol	7.483	128	27555	8.485	ng	95
9) Benzaldehyde	7.060	77	26944	10.600	ng	92
10) Phenol	7.113	94	36967	8.356	ng	97
11) bis(2-Chloroethyl)ether	7.342	93	28483	8.409	ng	98
12) 1,3-Dichlorobenzene	7.813	146	29671	8.326	ng	97
13) 1,4-Dichlorobenzene	7.954	146	30583	8.339	ng	93
14) 1,2-Dichlorobenzene	8.271	146	29709	8.241	ng	92
15) Benzyl Alcohol	8.153	79	26624	8.234	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.435	45	51039	7.906	ng	99
17) 2-Methylphenol	8.359	107	23318	7.562	ng	93
18) Hexachloroethane	9.005	117	10814	7.863	ng	91
19) n-Nitroso-di-n-propyla...	8.717	70	26191	7.606	ng	95
20) 3+4-Methylphenols	8.682	107	31896	7.011	ng	98
22) Acetophenone	8.735	105	47794	7.996	ng	# 97
24) Nitrobenzene	9.117	77	36839	8.422	ng	98
25) Isophorone	9.634	82	70665	7.825	ng	99
26) 2-Nitrophenol	9.828	139	14157	8.566	ng	92
27) 2,4-Dimethylphenol	9.887	122	17320	7.152	ng	96
28) bis(2-Chloroethoxy)met...	10.122	93	40482	8.374	ng	96
29) 2,4-Dichlorophenol	10.362	162	28913	8.539	ng	99
30) 1,2,4-Trichlorobenzene	10.580	180	35772	8.912	ng	99
31) Naphthalene	10.762	128	98049	8.929	ng	97
32) Benzoic acid	9.951	122	8485	3.258	ng	94
33) 4-Chloroaniline	10.868	127	37262	8.622	ng	98
34) Hexachlorobutadiene	11.056	225	23634	8.431	ng	90
35) Caprolactam	11.614	113	10516	8.056	ng	# 87
36) 4-Chloro-3-methylphenol	11.990	107	31810	7.789	ng	90
37) 2-Methylnaphthalene	12.372	142	69914	8.208	ng	98
38) 1-Methylnaphthalene	12.589	142	67033	7.838	ng	91
40) 1,2,4,5-Tetrachloroben...	12.736	216	48129	8.967	ng	97
41) Hexachlorocyclopentadiene	12.719	237	13697	8.945	ng	89
43) 2,4,6-Trichlorophenol	12.977	196	28256	8.305	ng	98

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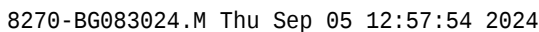
Instrument :
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 ClientSampleId :
 MDL-SOIL-03-QT3-2024

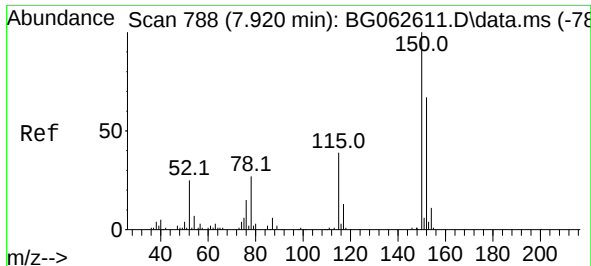
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 31 02:36:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.048	196	32864	8.529	ng	94
46) 1,1'-Biphenyl	13.377	154	106268	8.925	ng	96
47) 2-Chloronaphthalene	13.424	162	83920	8.697	ng	97
48) 2-Nitroaniline	13.617	65	21231	8.365	ng	94
49) Acenaphthylene	14.264	152	132675	9.285	ng	96
50) Dimethylphthalate	13.993	163	114660	8.786	ng	99
51) 2,6-Dinitrotoluene	14.111	165	20743	8.403	ng	93
52) Acenaphthene	14.610	154	76855	8.604	ng	95
53) 3-Nitroaniline	14.446	138	20425	8.552	ng	97
54) 2,4-Dinitrophenol	14.652	184	6851	4.946	ng	93
55) Dibenzofuran	14.945	168	138747	9.057	ng	96
56) 4-Nitrophenol	14.751	139	16277	8.041	ng	95
57) 2,4-Dinitrotoluene	14.898	165	29627	8.797	ng	99
58) Fluorene	15.592	166	106636	8.869	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.086	232	30755	8.426	ng	90
60) Diethylphthalate	15.362	149	110934	8.577	ng	99
61) 4-Chlorophenyl-phenyle...	15.586	204	63620	9.217	ng	92
62) 4-Nitroaniline	15.598	138	22897	8.694	ng	94
63) Azobenzene	15.880	77	106072	8.734	ng	97
65) 4,6-Dinitro-2-methylph...	15.668	198	15073	7.000	ng	93
66) n-Nitrosodiphenylamine	15.797	169	100266	8.643	ng	99
67) 4-Bromophenyl-phenylether	16.479	248	43952	8.826	ng	95
68) Hexachlorobenzene	16.596	284	51597	8.749	ng	95
69) Atrazine	16.743	200	42916	10.892	ng	94
70) Pentachlorophenol	16.943	266	21507	5.694	ng	95
71) Phenanthrene	17.331	178	206673	9.177	ng	99
72) Anthracene	17.419	178	202006	9.123	ng	98
73) Carbazole	17.689	167	179388	8.812	ng	99
74) Di-n-butylphthalate	18.253	149	189309	8.246	ng	99
75) Fluoranthene	19.340	202	257458	9.039	ng	97
77) Benzidine	19.522	184	100887	10.683	ng	98
78) Pyrene	19.704	202	280740	8.429	ng	98
80) Butylbenzylphthalate	20.598	149	72288	7.389	ng	98
81) Benzo(a)anthracene	21.514	228	287505	8.700	ng	98
82) 3,3'-Dichlorobenzidine	21.438	252	95385	8.860	ng	98
83) Chrysene	21.579	228	281612	8.896	ng	98
84) Bis(2-ethylhexyl)phtha...	21.438	149	111392	7.495	ng	# 96
85) Di-n-octyl phthalate	22.595	149	187545	7.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.065	276	332150	8.903	ng	# 92
88) Benzo(b)fluoranthene	23.629	252	275043	8.559	ng	99
89) Benzo(k)fluoranthene	23.694	252	274117	8.720	ng	98
90) Benzo(a)pyrene	24.452	252	251194	8.848	ng	99
91) Dibenzo(a,h)anthracene	28.118	278	274607	8.936	ng	97
92) Benzo(g,h,i)perylene	29.140	276	259388	8.370	ng	# 94

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

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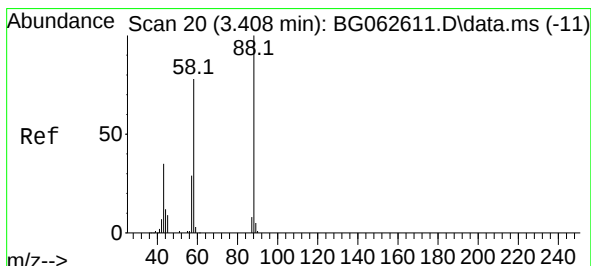
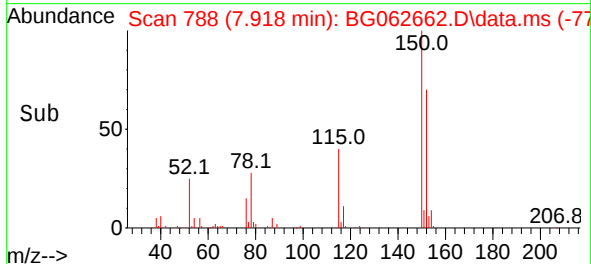
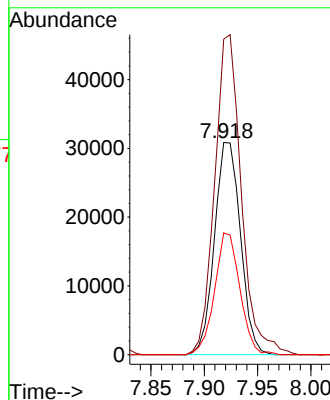
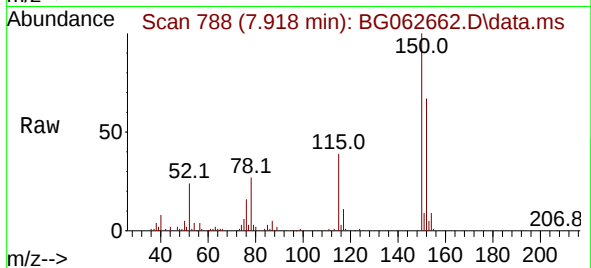




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.918 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

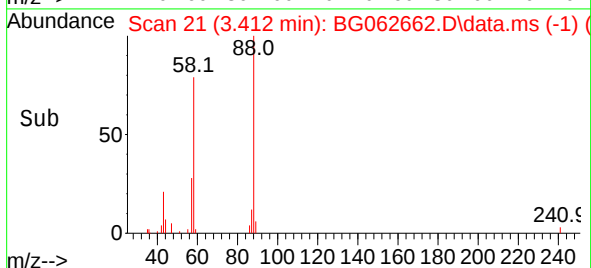
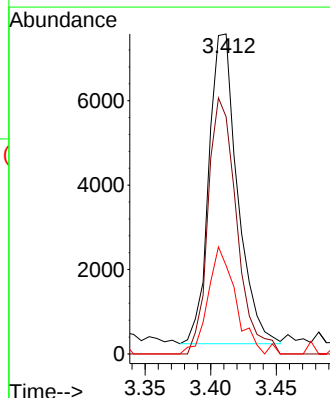
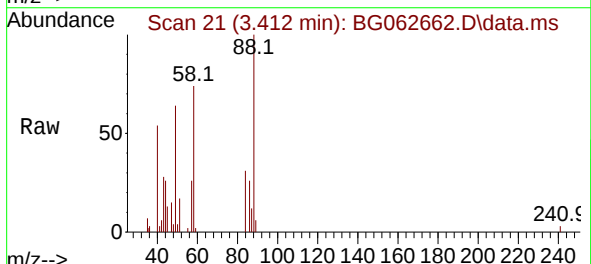
Instrument :
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MDL-SOIL-03-QT3-2024

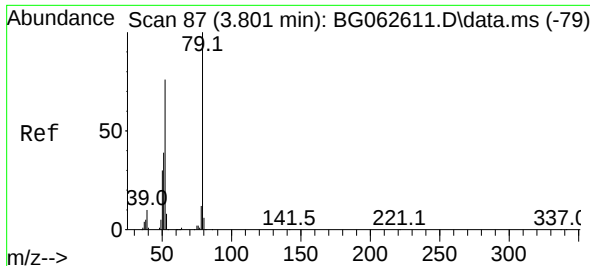
Tgt Ion:152 Resp: 52287
Ion Ratio Lower Upper
152 100
150 148.7 119.9 179.9
115 57.4 46.6 69.8



#2
1,4-Dioxane
Concen: 8.844 ng
RT: 3.412 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion: 88 Resp: 11145
Ion Ratio Lower Upper
88 100
58 82.6 62.3 93.5
43 32.9 27.5 41.3

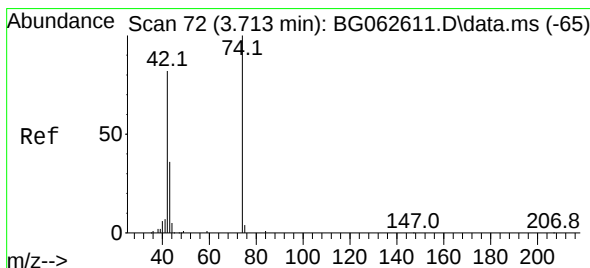
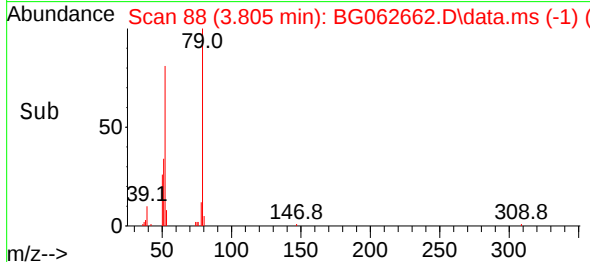
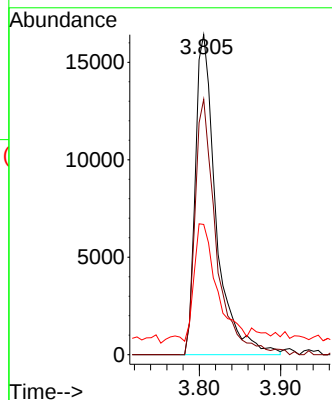
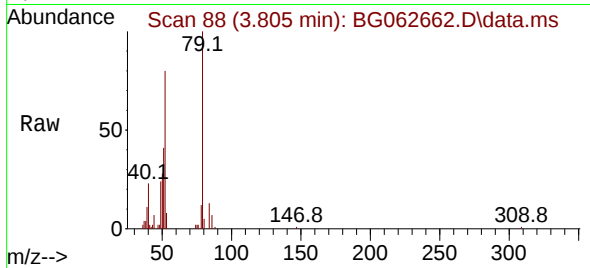




#3
 Pyridine
 Concen: 8.035 ng
 RT: 3.805 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: BG062662.D
 Acq: 5 Sep 2024 11:50

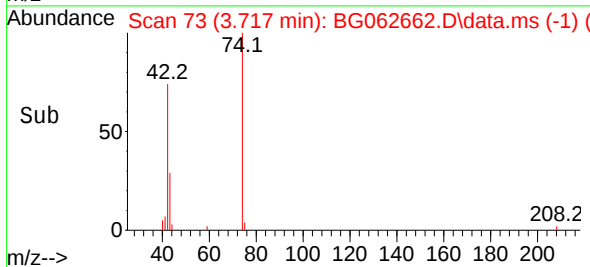
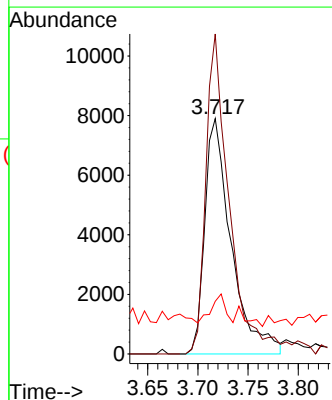
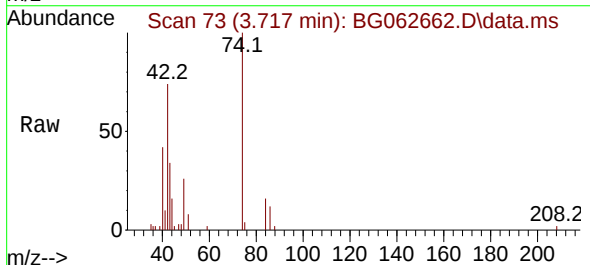
Instrument :
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 ClientSampleId :
 MDL-SOIL-03-QT3-2024

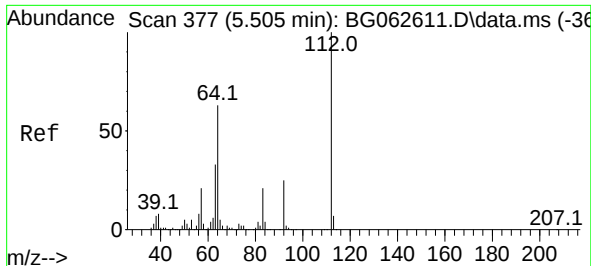
Tgt Ion: 79 Resp: 29172
 Ion Ratio Lower Upper
 79 100
 52 79.8 60.9 91.3
 51 40.7 31.5 47.3



#4
 n-Nitrosodimethylamine
 Concen: 8.213 ng
 RT: 3.717 min Scan# 73
 Delta R.T. 0.004 min
 Lab File: BG062662.D
 Acq: 5 Sep 2024 11:50

Tgt Ion: 42 Resp: 14497
 Ion Ratio Lower Upper
 42 100
 74 136.0 98.0 147.0
 44 22.4 7.4 11.2#

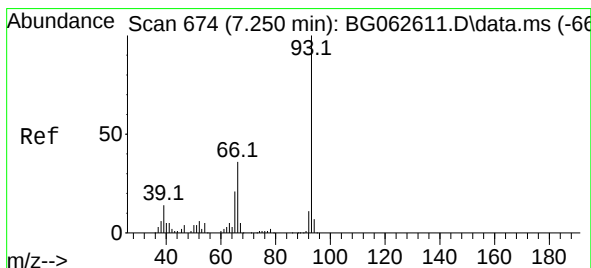
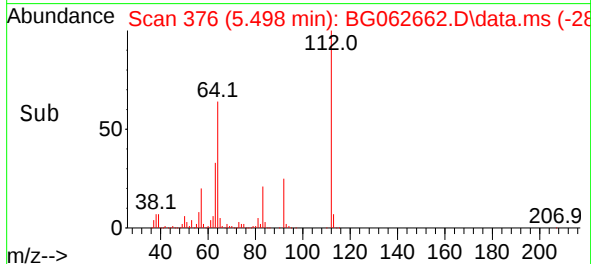
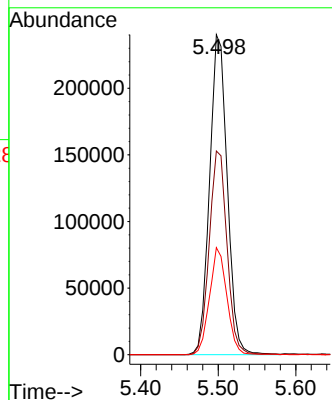
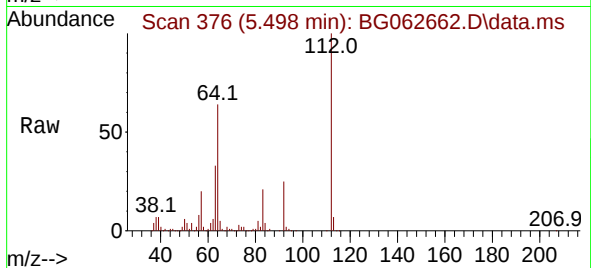




#5
2-Fluorophenol
Concen: 125.828 ng
RT: 5.498 min Scan# 377
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

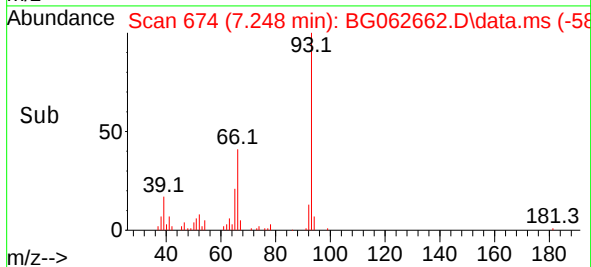
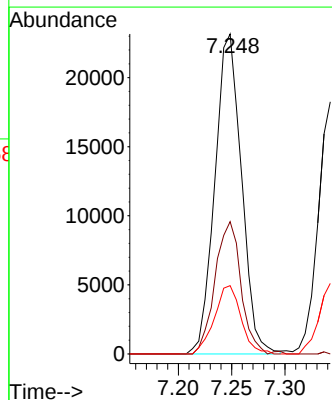
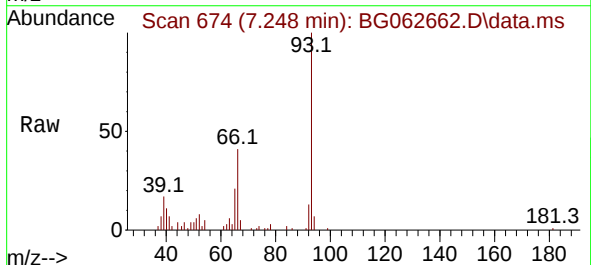
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2024

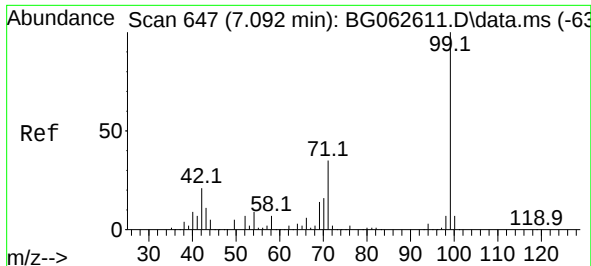
Tgt Ion:112 Resp: 380621
Ion Ratio Lower Upper
112 100
64 63.6 50.2 75.2
63 33.4 26.6 39.8



#6
Aniline
Concen: 9.840 ng
RT: 7.248 min Scan# 674
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion: 93 Resp: 40173
Ion Ratio Lower Upper
93 100
66 41.3 29.1 43.7
65 21.3 16.6 25.0

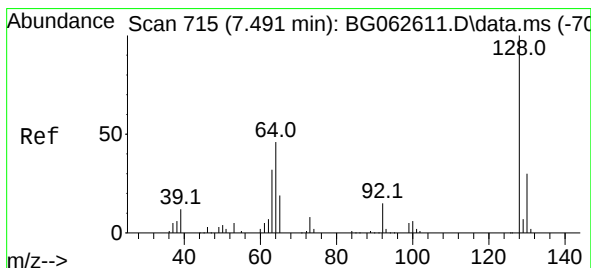
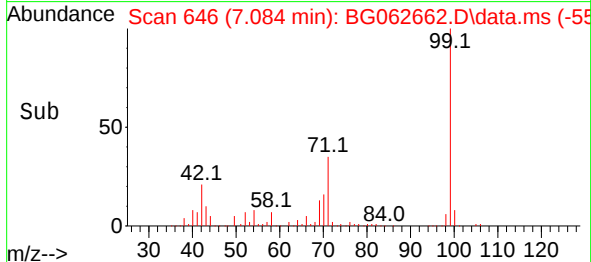
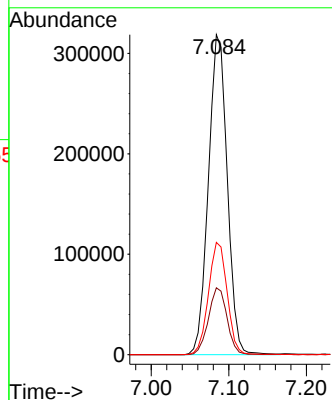
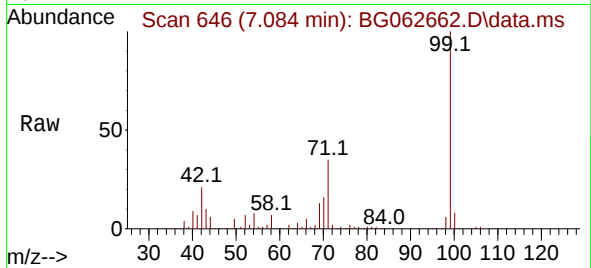




#7
Phenol-d6
Concen: 123.182 ng
RT: 7.084 min Scan# 646
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

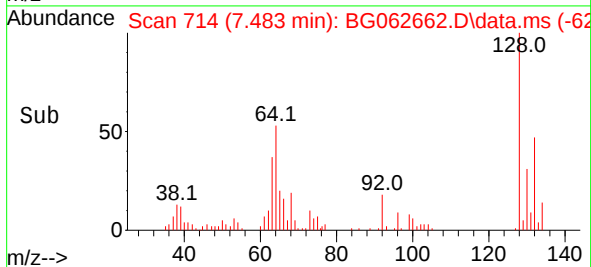
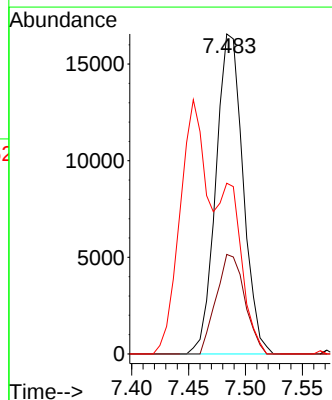
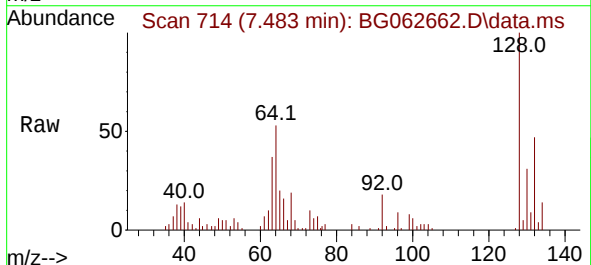
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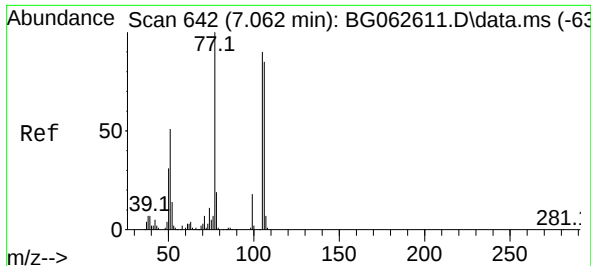
Tgt Ion: 99 Resp: 538297
Ion Ratio Lower Upper
99 100
42 20.9 16.9 25.3
71 35.1 27.9 41.9



#8
2-Chlorophenol
Concen: 8.485 ng
RT: 7.483 min Scan# 714
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:128 Resp: 27555
Ion Ratio Lower Upper
128 100
130 31.1 10.0 50.0
64 53.3 28.8 68.8

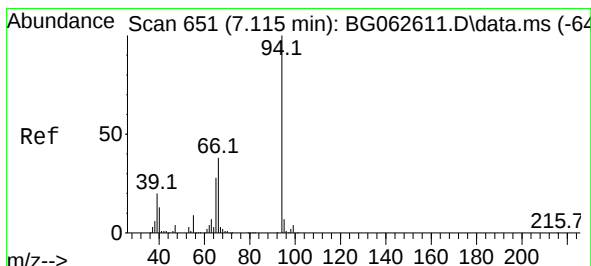
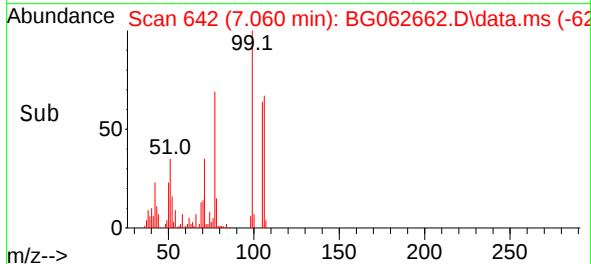
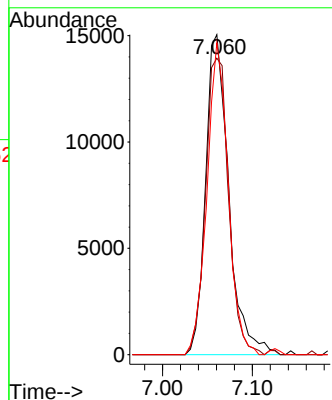
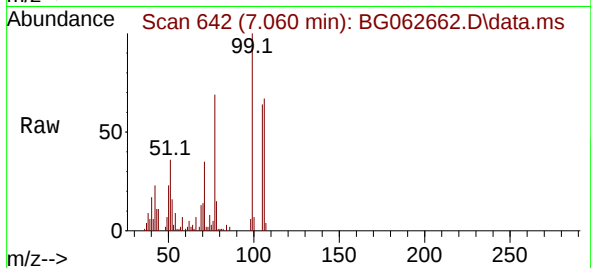




#9
Benzaldehyde
Concen: 10.600 ng
RT: 7.060 min Scan# 642
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

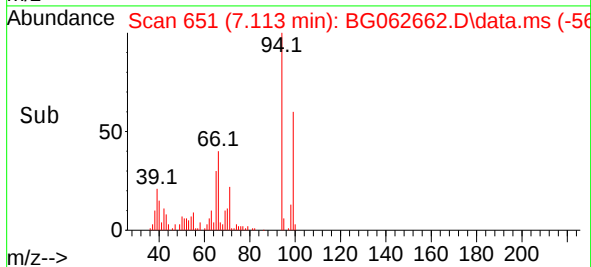
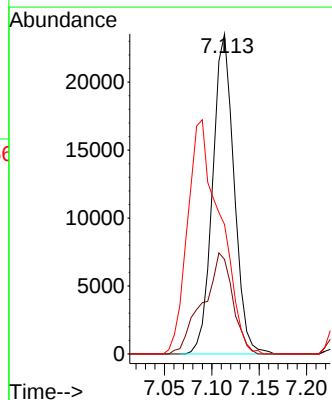
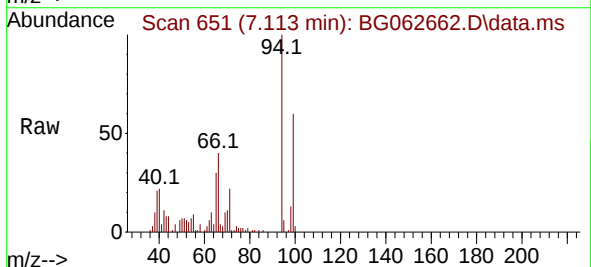
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

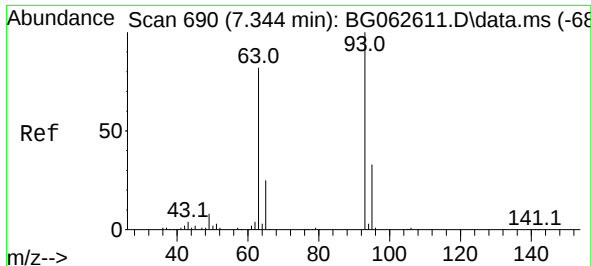
Tgt Ion: 77 Resp: 26944
Ion Ratio Lower Upper
77 100
105 92.6 70.2 110.2
106 97.5 65.4 105.4



#10
Phenol
Concen: 8.356 ng
RT: 7.113 min Scan# 651
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion: 94 Resp: 36967
Ion Ratio Lower Upper
94 100
65 29.6 8.6 48.6
66 40.5 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 8.409 ng

RT: 7.342 min Scan# 690

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

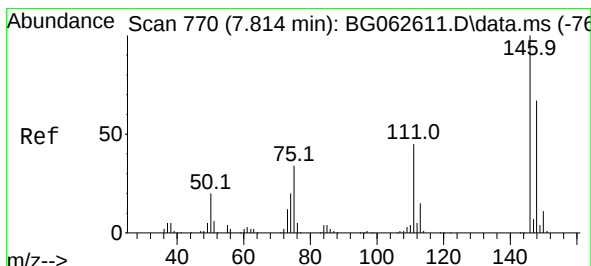
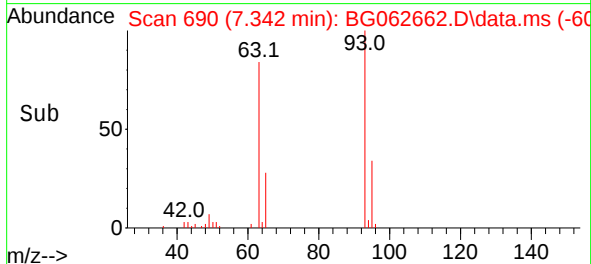
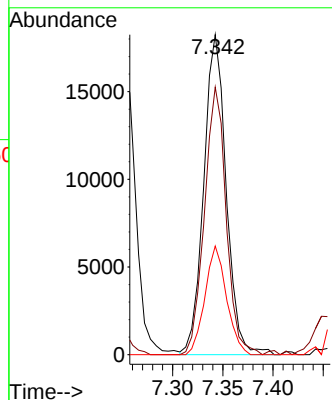
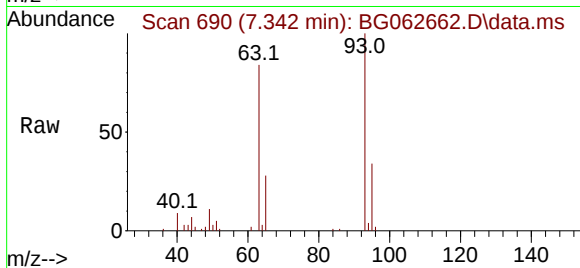
Tgt Ion: 93 Resp: 28483

Ion Ratio Lower Upper

93 100

63 83.6 61.9 101.9

95 34.0 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 8.326 ng

RT: 7.813 min Scan# 770

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

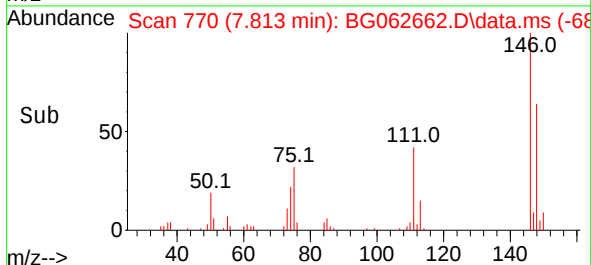
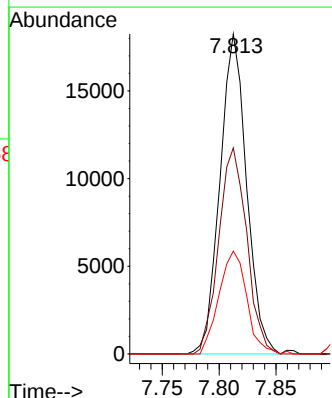
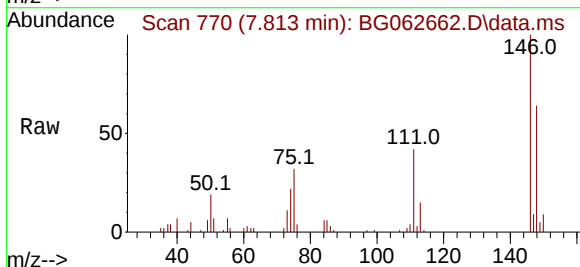
Tgt Ion:146 Resp: 29671

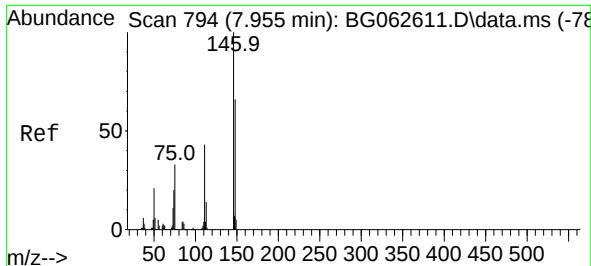
Ion Ratio Lower Upper

146 100

148 64.4 53.9 80.9

75 32.2 27.0 40.4

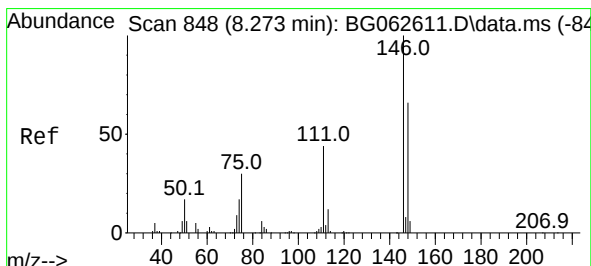
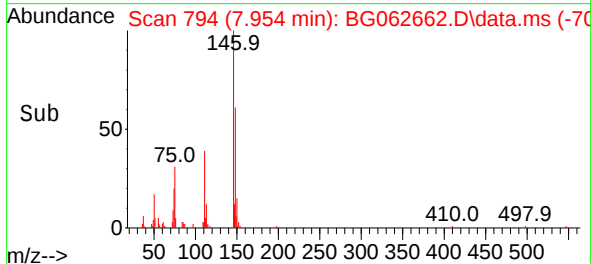
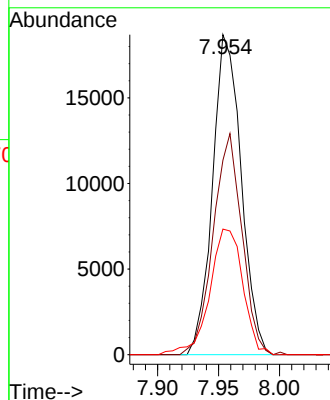
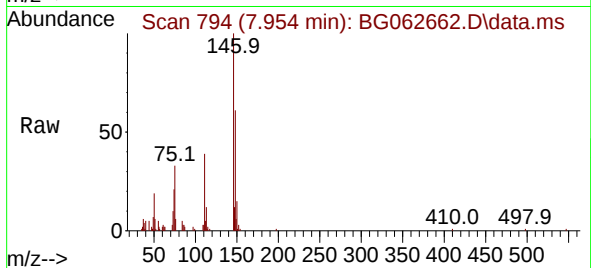




#13
1,4-Dichlorobenzene
Concen: 8.339 ng
RT: 7.954 min Scan# 794
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

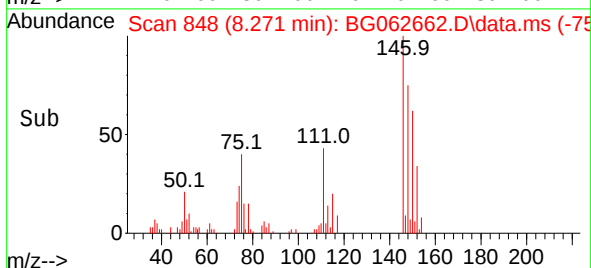
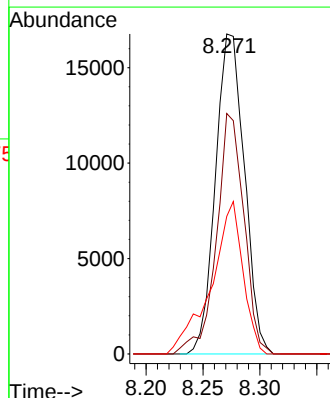
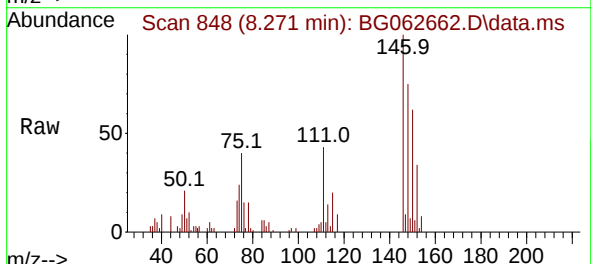
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2024

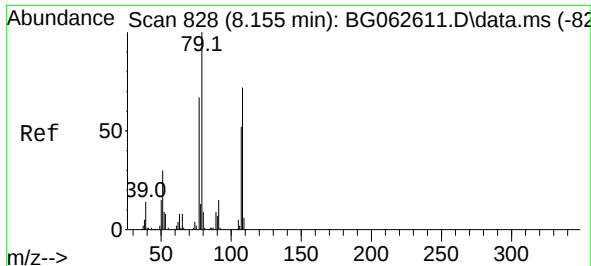
Tgt Ion:146 Resp: 30583
Ion Ratio Lower Upper
146 100
148 60.8 53.0 79.6
111 39.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 8.241 ng
RT: 8.271 min Scan# 848
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:146 Resp: 29709
Ion Ratio Lower Upper
146 100
148 75.2 52.5 78.7
111 43.0 35.5 53.3

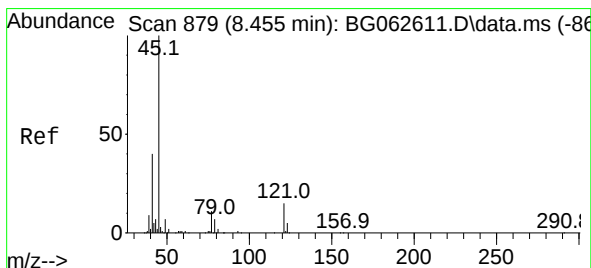
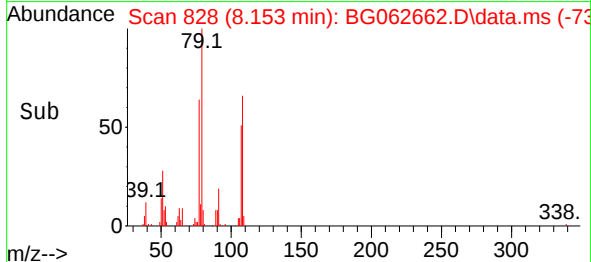
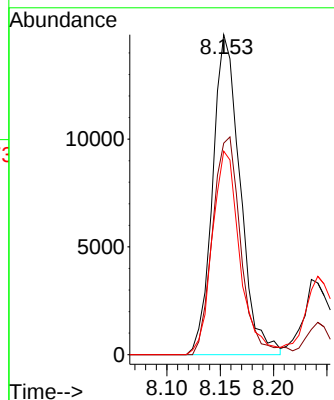
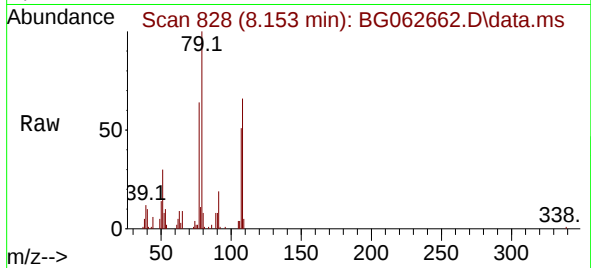




#15
Benzyl Alcohol
Concen: 8.234 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

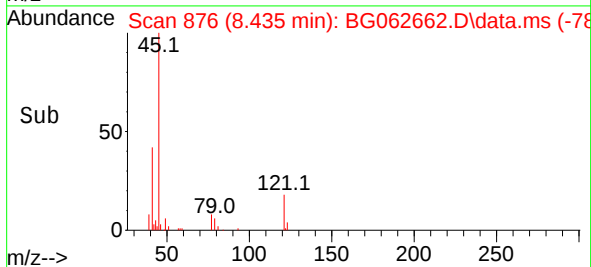
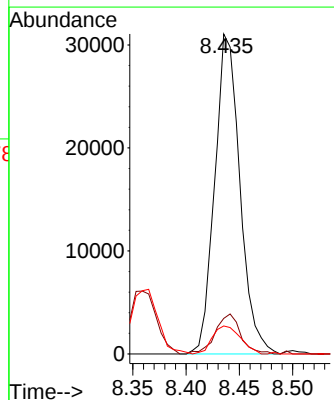
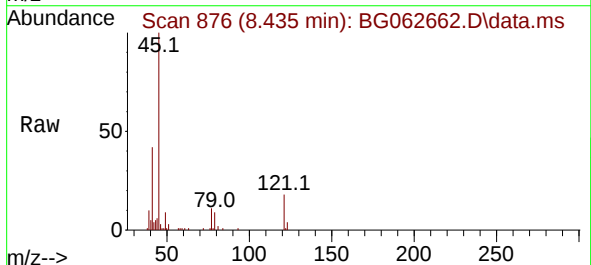
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

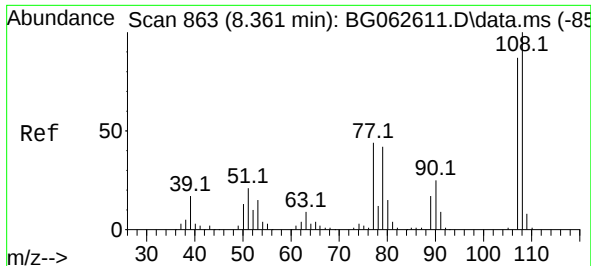
Tgt Ion: 79 Resp: 26624
Ion Ratio Lower Upper
79 100
108 66.1 57.9 86.9
77 63.6 53.4 80.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.906 ng
RT: 8.435 min Scan# 876
Delta R.T. -0.019 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

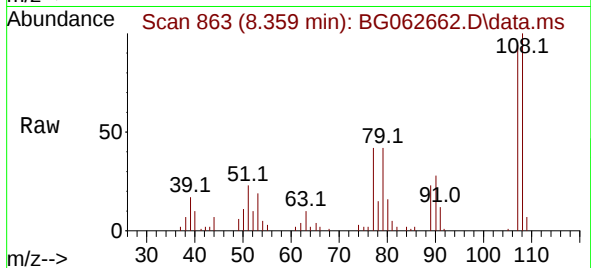
Tgt Ion: 45 Resp: 51039
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.7
79 8.8 0.0 28.3



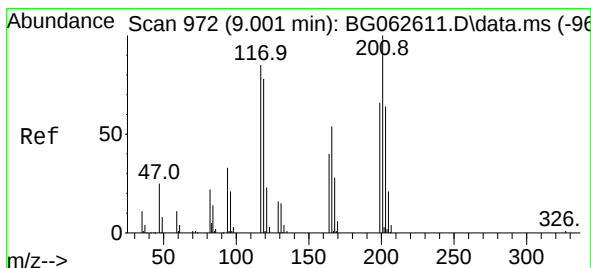
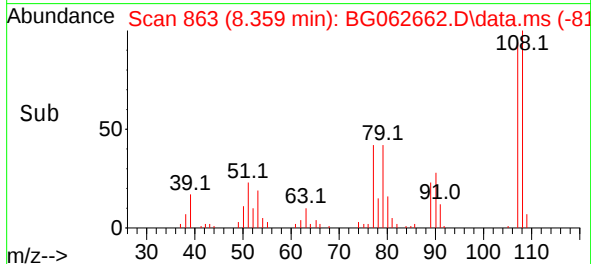
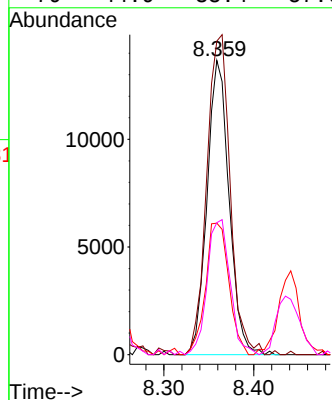


#17
2-Methylphenol
Concen: 7.562 ng
RT: 8.359 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

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

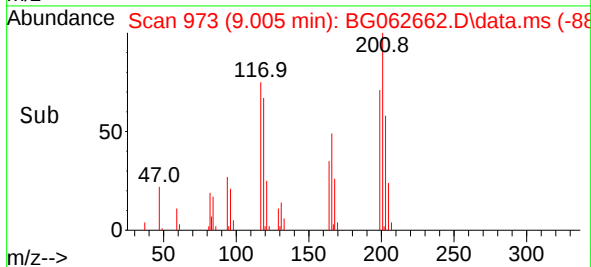
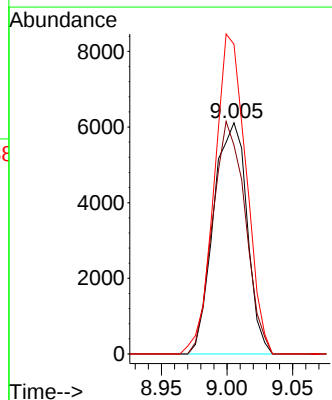
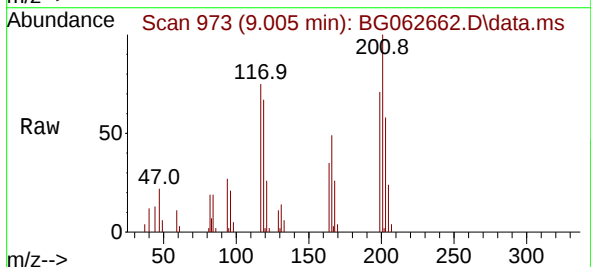


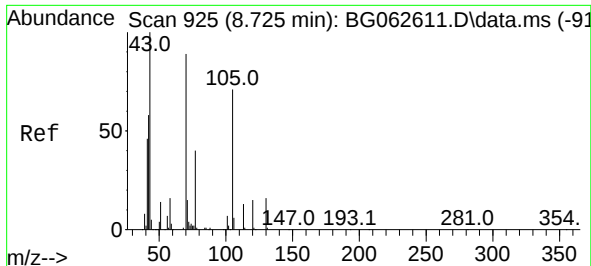
Tgt Ion:	107	Resp:	23318
Ion	Ratio	Lower	Upper
107	100		
108	106.6	91.5	137.3
77	44.7	40.0	60.0
79	44.9	38.4	57.6



#18
Hexachloroethane
Concen: 7.863 ng
RT: 9.005 min Scan# 973
Delta R.T. 0.004 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:	117	Resp:	10814
Ion	Ratio	Lower	Upper
117	100		
119	90.3	73.4	110.0
201	133.9	93.9	140.9

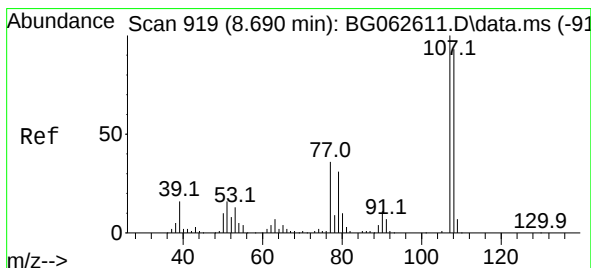
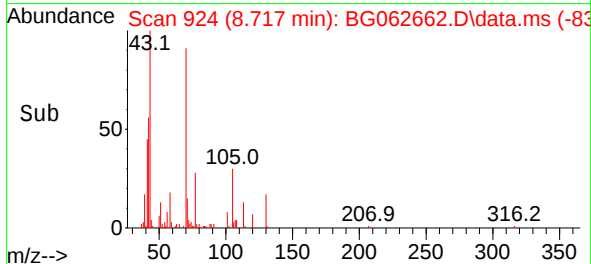
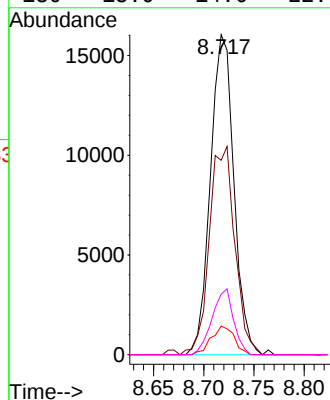
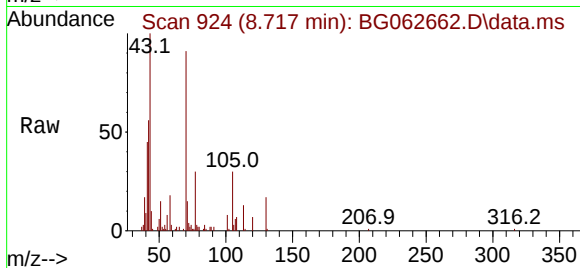




#19
n-Nitroso-di-n-propylamine
Concen: 7.606 ng
RT: 8.717 min Scan# 918
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

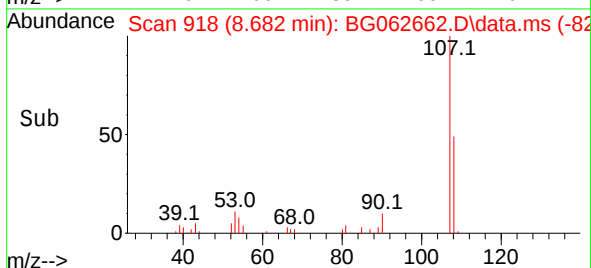
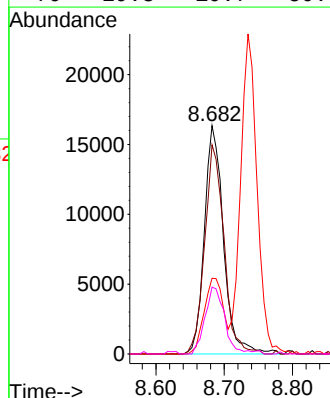
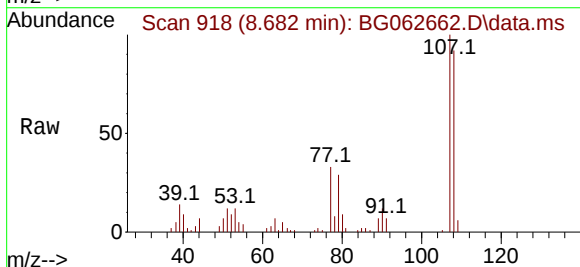
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

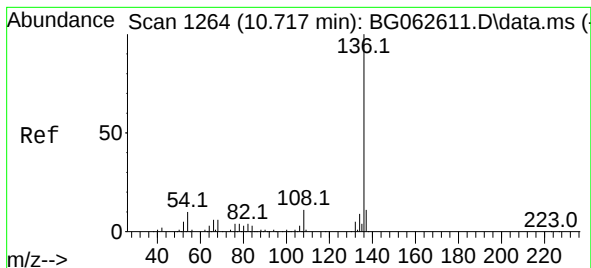
Tgt Ion:	70	Resp:	26191
Ion	Ratio	Lower	Upper
70	100		
42	60.8	52.3	78.5
101	9.0	6.6	9.8
130	18.9	14.6	22.0



#20
3+4-Methylphenols
Concen: 7.011 ng
RT: 8.682 min Scan# 918
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:	107	Resp:	31896
Ion	Ratio	Lower	Upper
107	100		
108	91.6	72.7	112.7
77	33.2	16.5	56.5
79	29.3	10.7	50.7

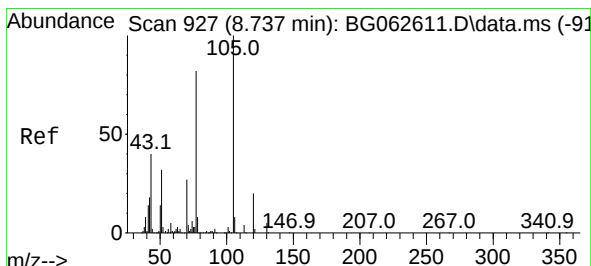
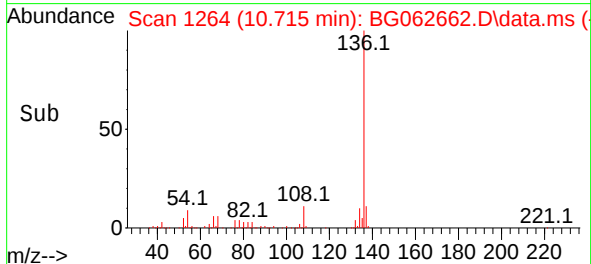
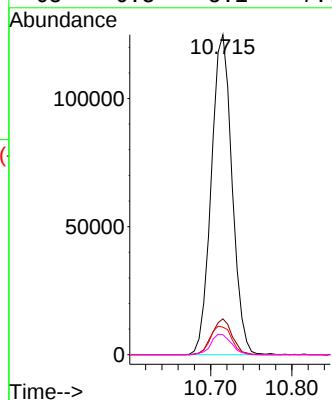
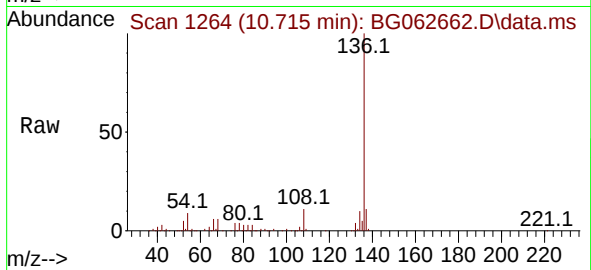




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.715 min Scan# 1264
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

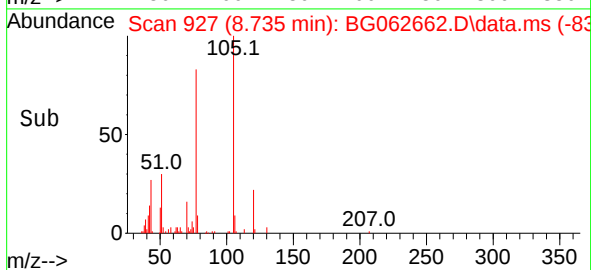
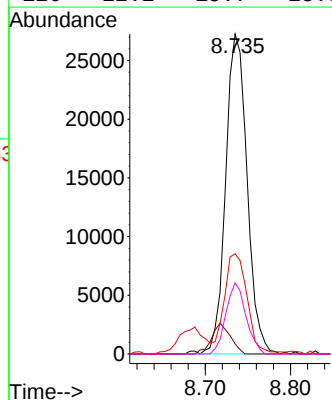
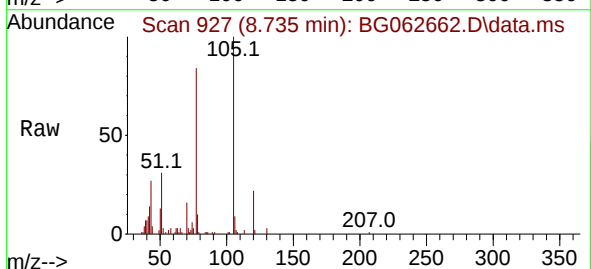
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2024

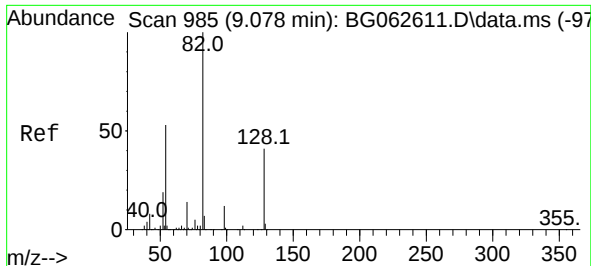
Tgt Ion:136 Resp: 221555
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.6 7.8 11.6
68 6.3 5.1 7.7



#22
Acetophenone
Concen: 7.996 ng
RT: 8.735 min Scan# 927
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:105 Resp: 47794
Ion Ratio Lower Upper
105 100
71 3.1 3.5 5.3#
51 31.4 25.7 38.5
120 22.2 15.7 23.5





#23

Nitrobenzene-d5

Concen: 93.137 ng

RT: 9.076 min Scan# 91

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

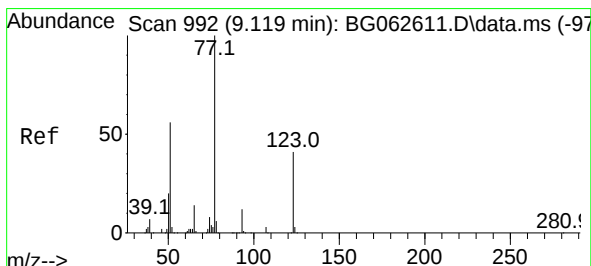
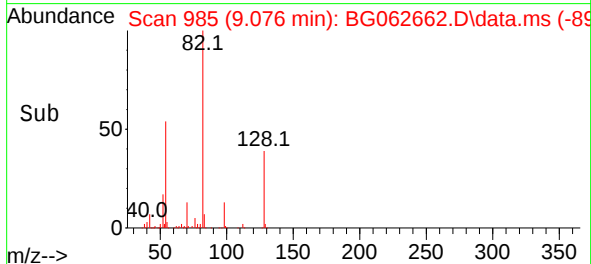
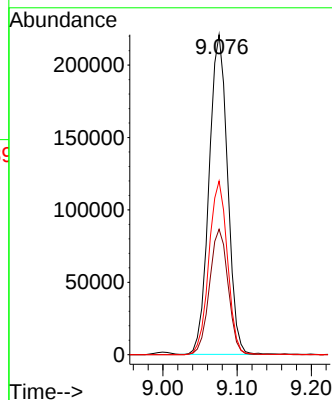
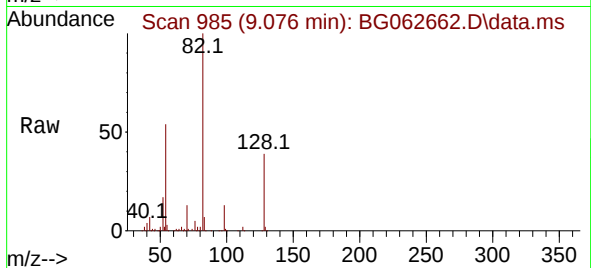
Tgt Ion: 82 Resp: 383150

Ion Ratio Lower Upper

82 100

128 39.2 32.5 48.7

54 54.3 42.5 63.7



#24

Nitrobenzene

Concen: 8.422 ng

RT: 9.117 min Scan# 992

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

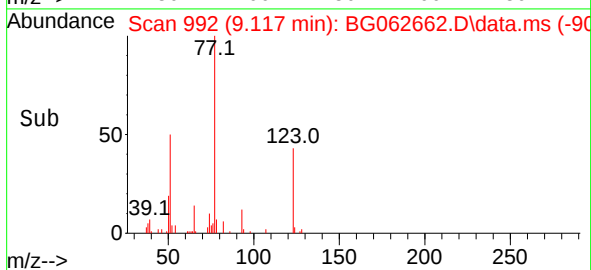
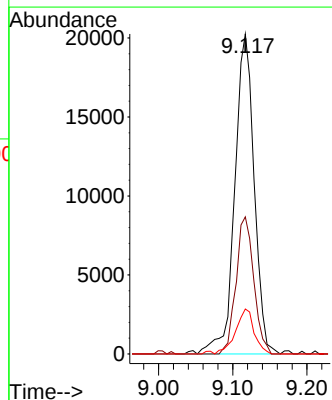
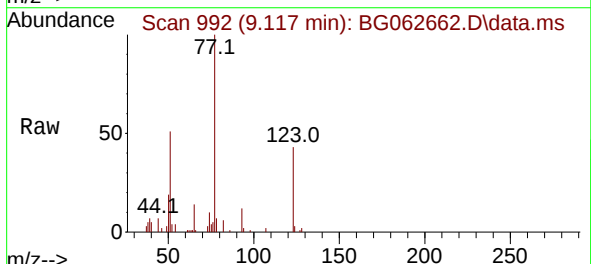
Tgt Ion: 77 Resp: 36839

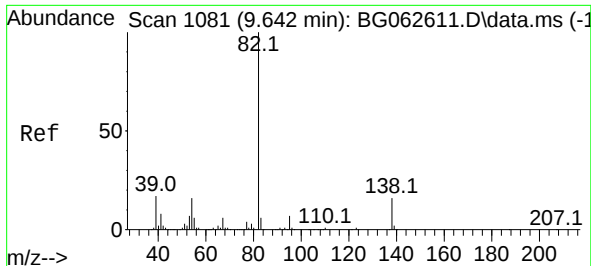
Ion Ratio Lower Upper

77 100

123 42.8 33.1 49.7

65 14.0 11.0 16.4





#25

Isophorone

Concen: 7.825 ng

RT: 9.634 min Scan# 1080

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

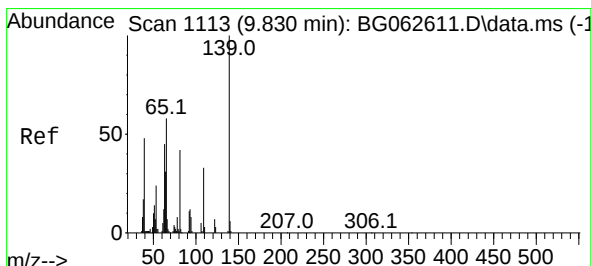
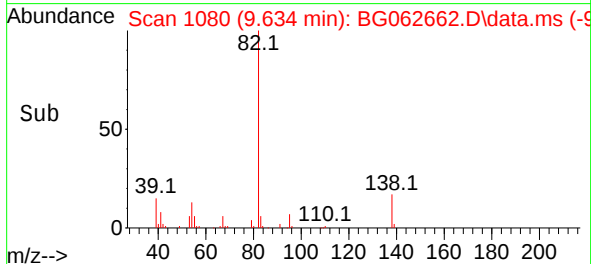
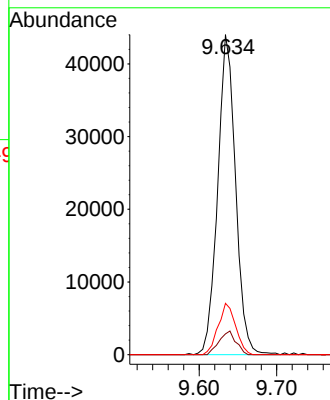
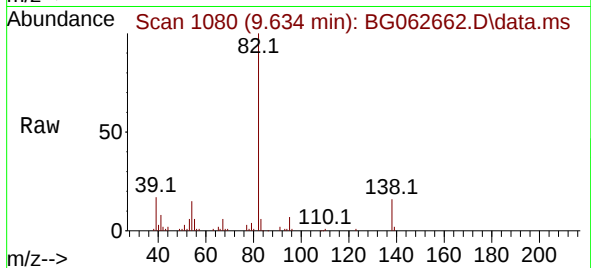
Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:	82	Resp:	70665
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.4	8.0
138	16.1	12.6	18.8



#26

2-Nitrophenol

Concen: 8.566 ng

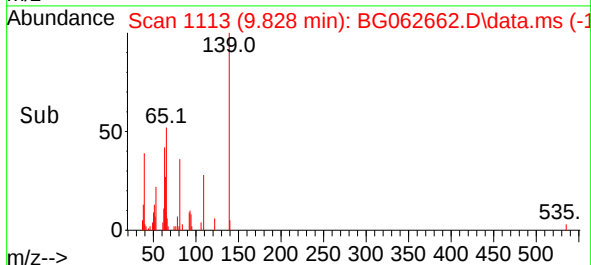
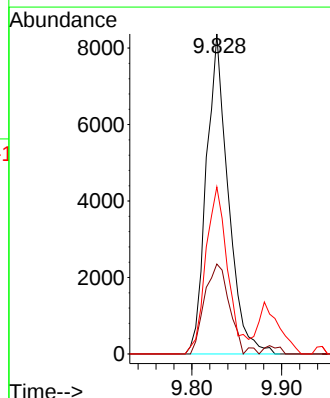
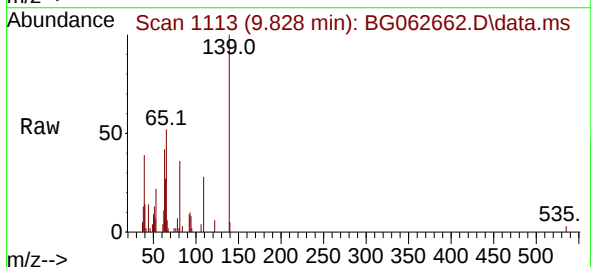
RT: 9.828 min Scan# 1113

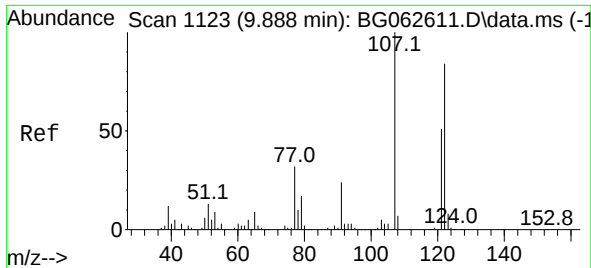
Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Tgt Ion:	139	Resp:	14157
Ion Ratio	Lower	Upper	
139	100		
109	28.1	26.6	39.8
65	52.2	46.5	69.7

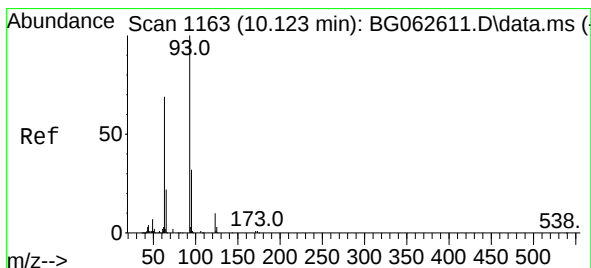
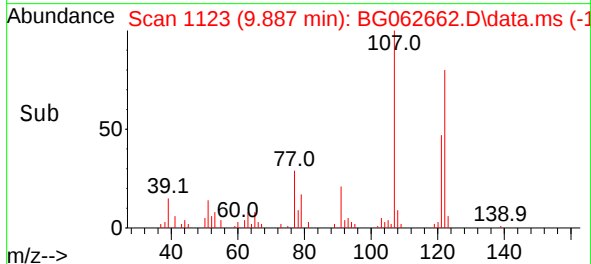
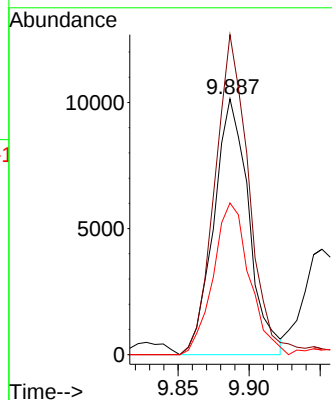
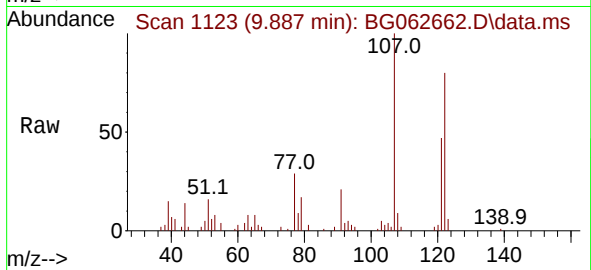




#27
2,4-Dimethylphenol
Concen: 7.152 ng
RT: 9.887 min Scan# 1123
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

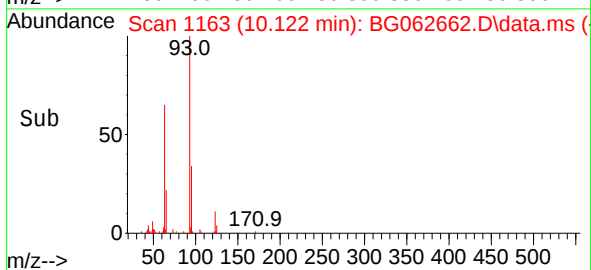
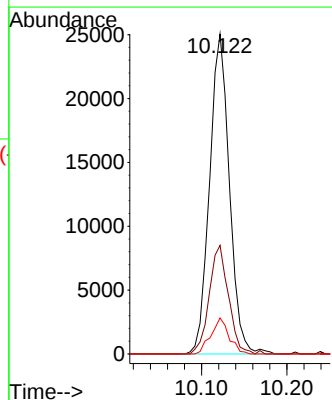
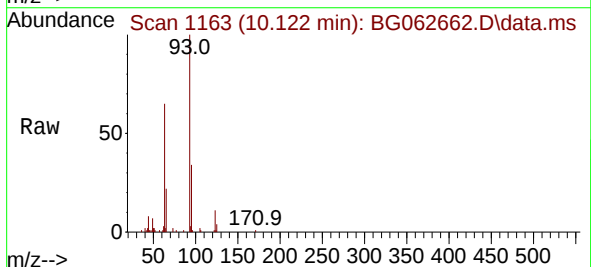
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2024

Tgt Ion:122 Resp: 17320
Ion Ratio Lower Upper
122 100
107 125.1 95.8 143.6
121 59.3 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 8.374 ng
RT: 10.122 min Scan# 1163
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion: 93 Resp: 40482
Ion Ratio Lower Upper
93 100
95 33.9 25.4 38.0
123 11.3 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 8.539 ng

RT: 10.362 min Scan# 1204

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

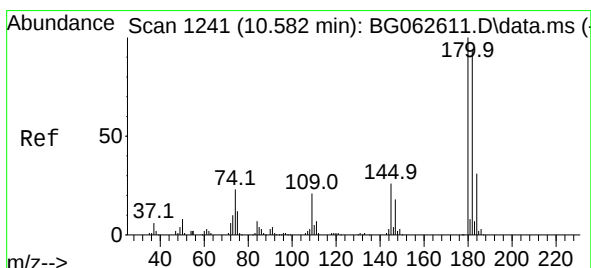
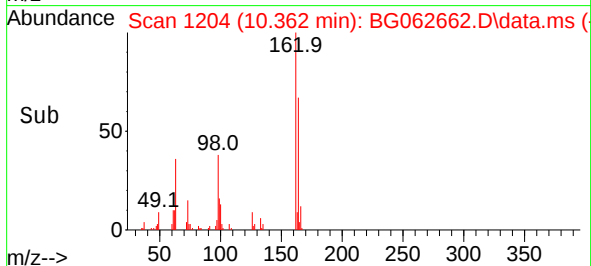
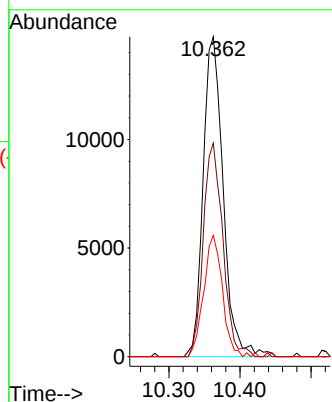
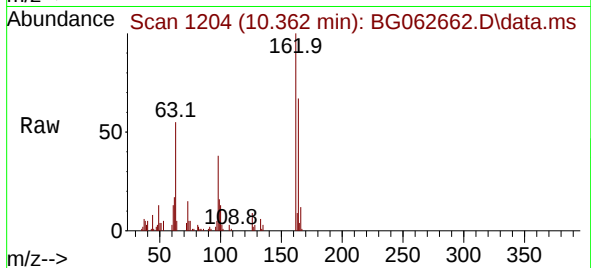
Tgt Ion:162 Resp: 28913

Ion Ratio Lower Upper

162 100

164 66.7 46.8 86.8

98 37.9 16.4 56.4



#30

1,2,4-Trichlorobenzene

Concen: 8.912 ng

RT: 10.580 min Scan# 1241

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

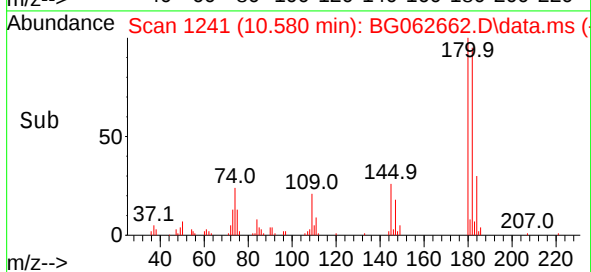
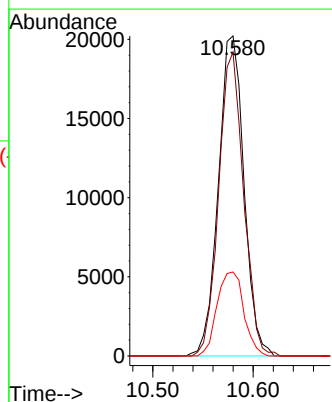
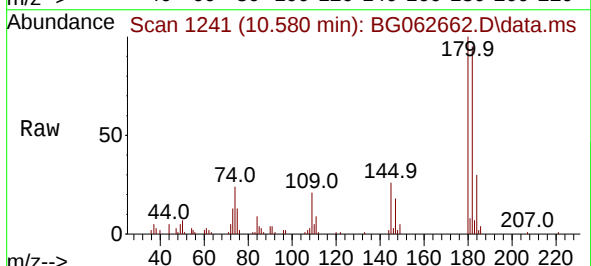
Tgt Ion:180 Resp: 35772

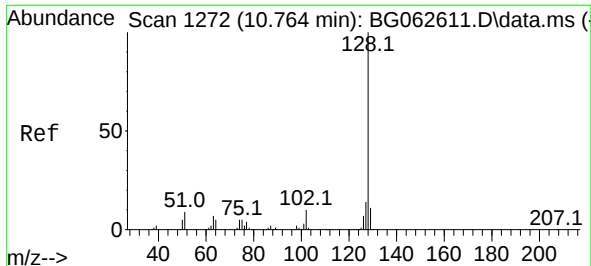
Ion Ratio Lower Upper

180 100

182 95.0 75.1 112.7

145 26.3 20.8 31.2

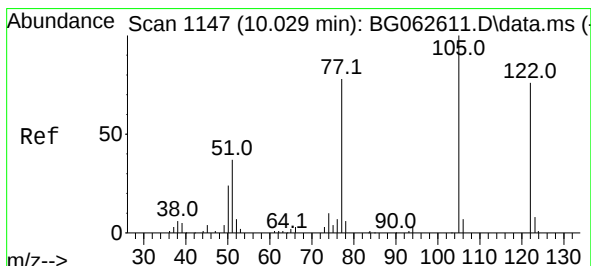
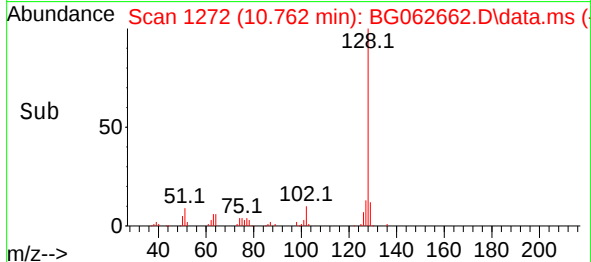
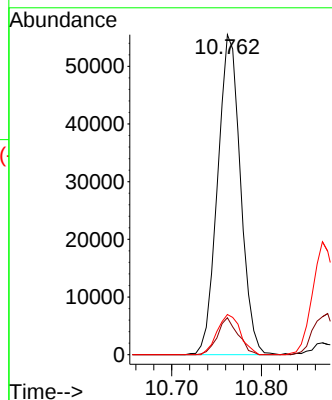
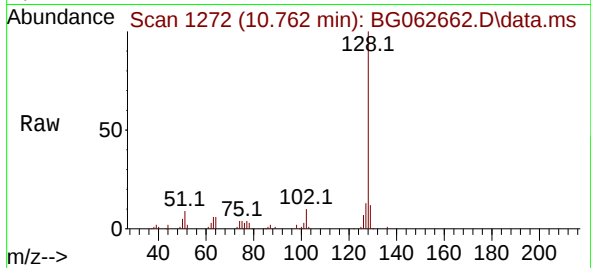




#31
Naphthalene
Concen: 8.929 ng
RT: 10.762 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

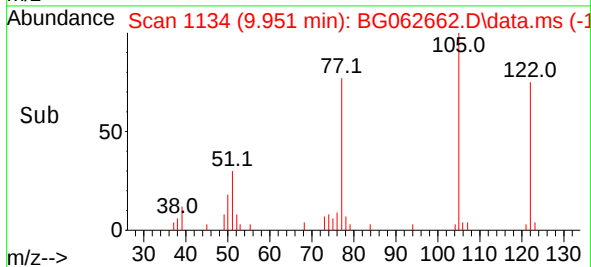
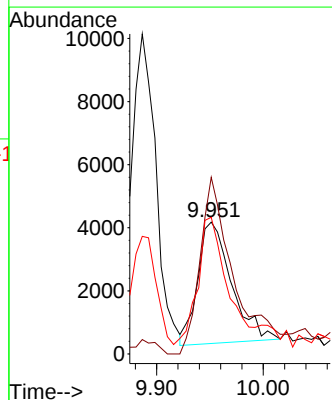
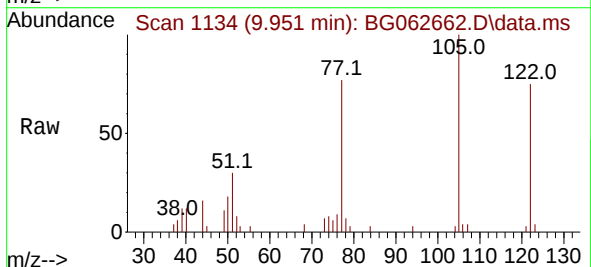
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

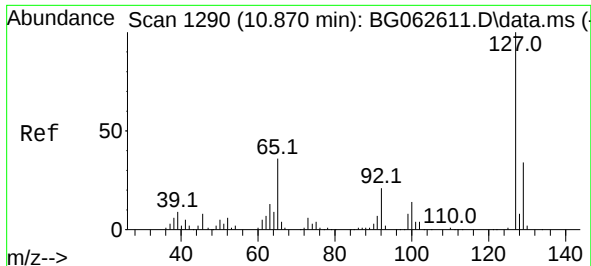
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	12.6	11.3	16.9



#32
Benzoic acid
Concen: 3.258 ng
RT: 9.951 min Scan# 1134
Delta R.T. -0.078 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	134.0	105.7	145.7
77	103.7	79.9	119.9





#33

4-Chloroaniline

Concen: 8.622 ng

RT: 10.868 min Scan# 1290

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:127 Resp: 37262

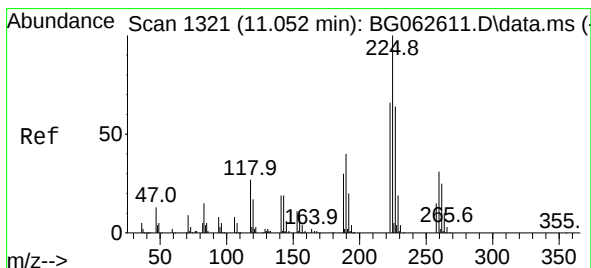
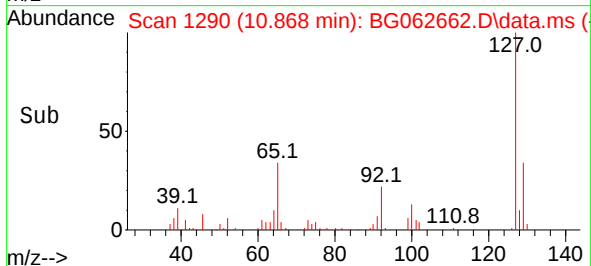
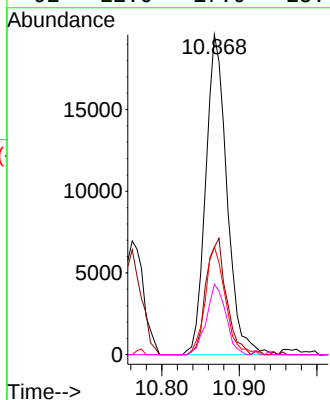
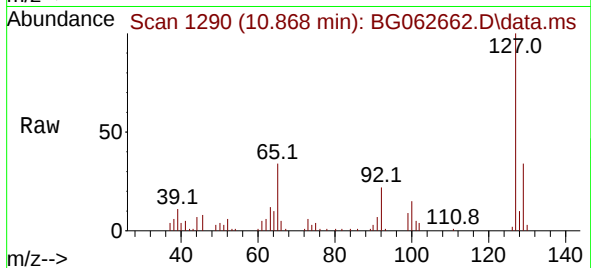
Ion Ratio Lower Upper

127 100

129 33.5 27.3 40.9

65 33.6 29.0 43.4

92 22.0 17.0 25.4



#34

Hexachlorobutadiene

Concen: 8.431 ng

RT: 11.056 min Scan# 1322

Delta R.T. 0.004 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

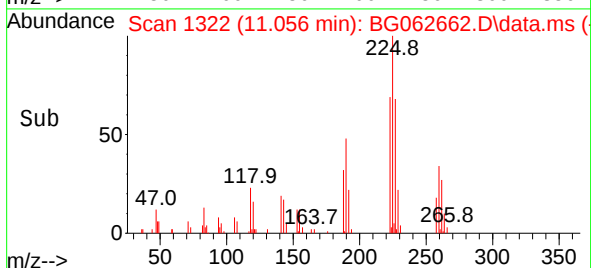
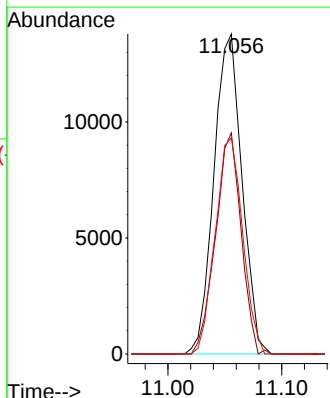
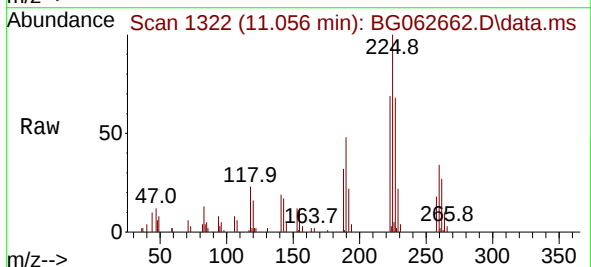
Tgt Ion:225 Resp: 23634

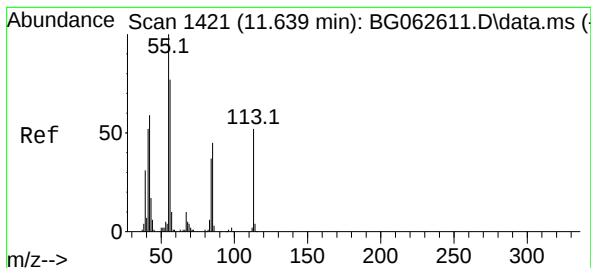
Ion Ratio Lower Upper

225 100

223 69.1 50.1 75.1

227 69.6 48.9 73.3





#35

Caprolactam

Concen: 8.056 ng

RT: 11.614 min Scan# 1417

Delta R.T. -0.025 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

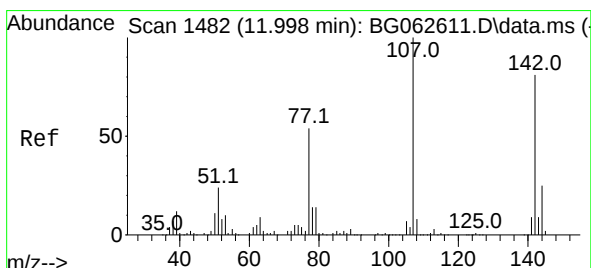
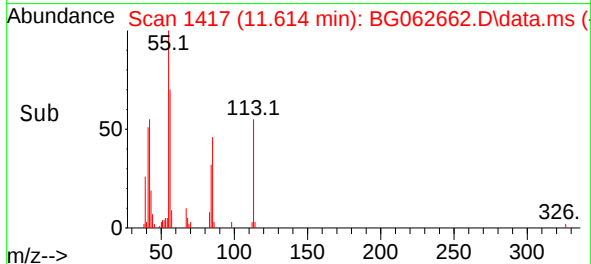
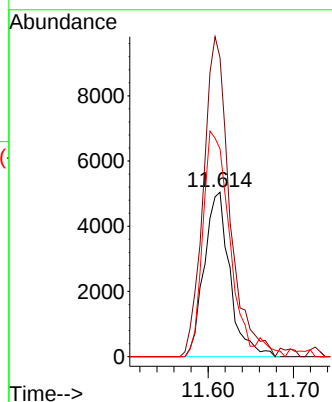
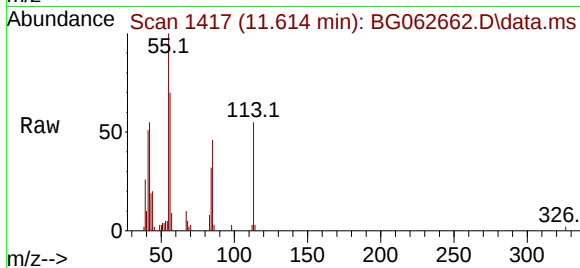
Tgt Ion:113 Resp: 10516

Ion Ratio Lower Upper

113 100

55 181.5 174.1 214.1

56 126.2 129.8 169.8#



#36

4-Chloro-3-methylphenol

Concen: 7.789 ng

RT: 11.990 min Scan# 1481

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

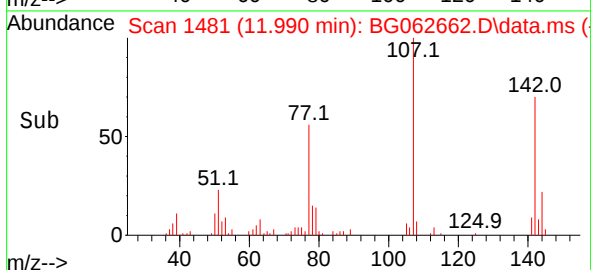
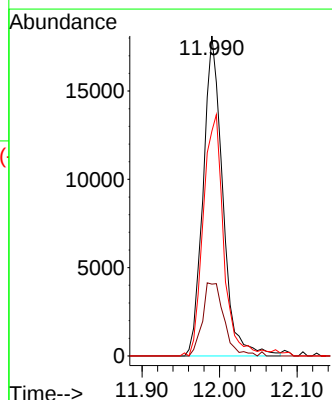
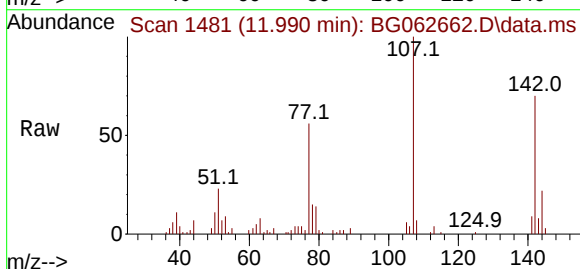
Tgt Ion:107 Resp: 31810

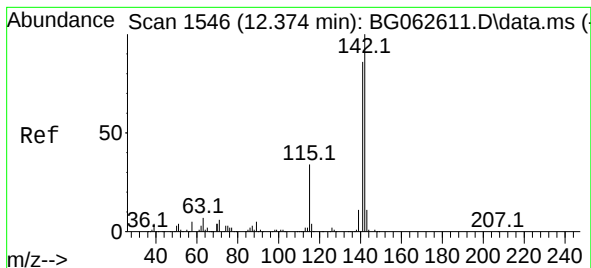
Ion Ratio Lower Upper

107 100

144 22.5 19.8 29.8

142 70.2 64.7 97.1





#37

2-Methylnaphthalene

Concen: 8.208 ng

RT: 12.372 min Scan# 1546

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

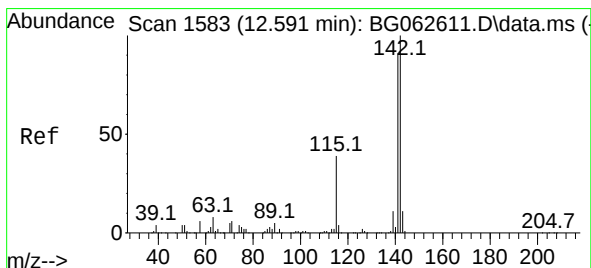
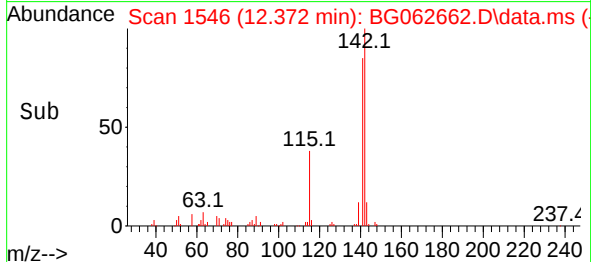
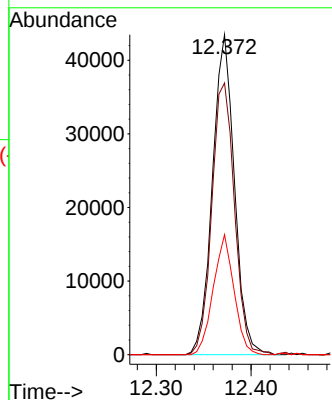
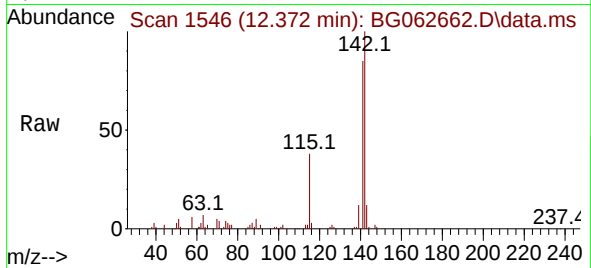
Tgt Ion:142 Resp: 69914

Ion Ratio Lower Upper

142 100

141 84.9 68.9 103.3

115 37.5 27.5 41.3



#38

1-Methylnaphthalene

Concen: 7.838 ng

RT: 12.589 min Scan# 1583

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

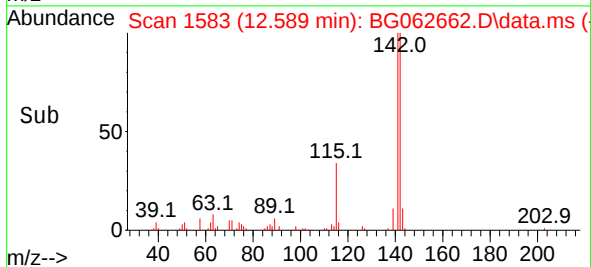
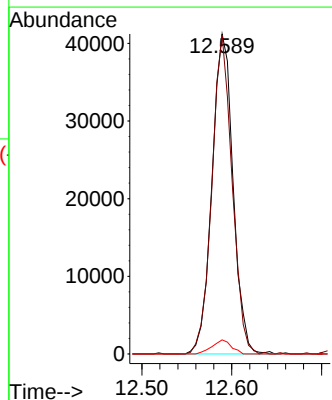
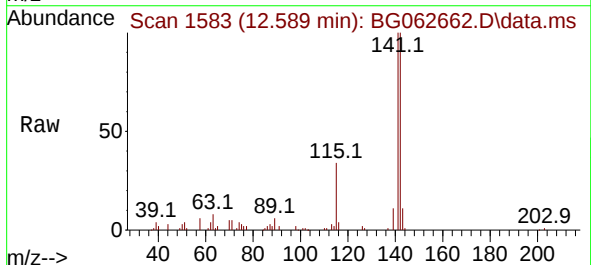
Tgt Ion:142 Resp: 67033

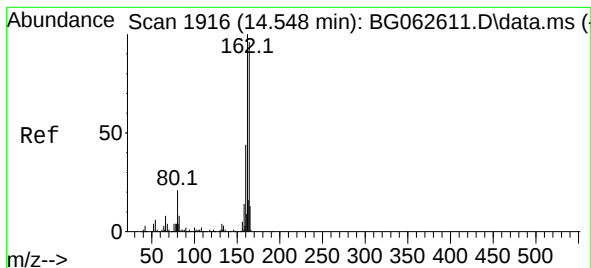
Ion Ratio Lower Upper

142 100

141 99.7 73.0 109.4

116 4.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.546 min Scan# 1916

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

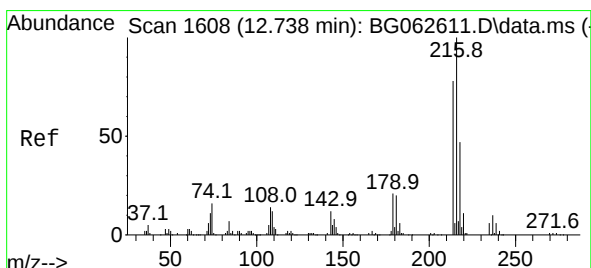
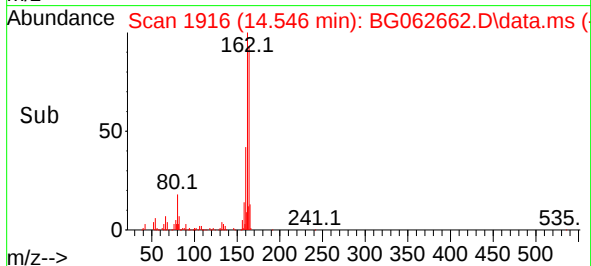
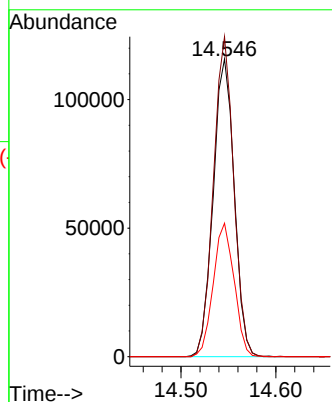
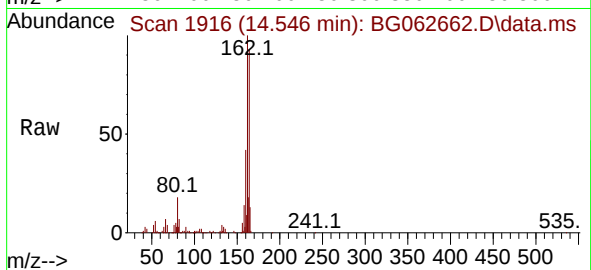
Tgt Ion:164 Resp: 178468

Ion Ratio Lower Upper

164 100

162 107.4 83.1 124.7

160 44.8 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.967 ng

RT: 12.736 min Scan# 1608

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Tgt Ion:216 Resp: 48129

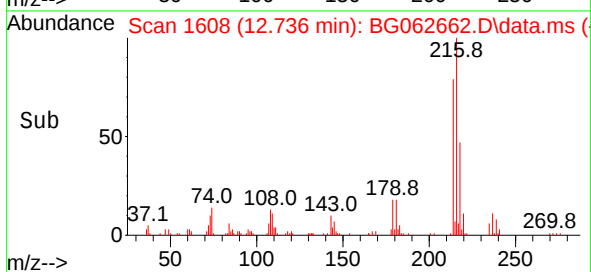
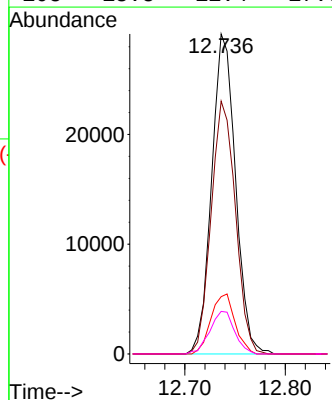
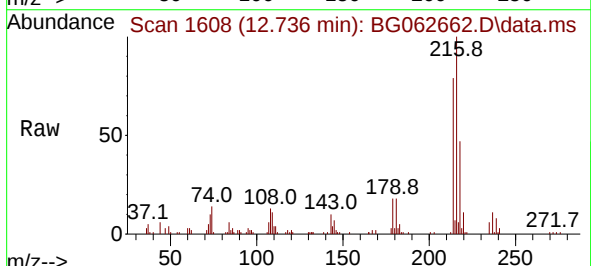
Ion Ratio Lower Upper

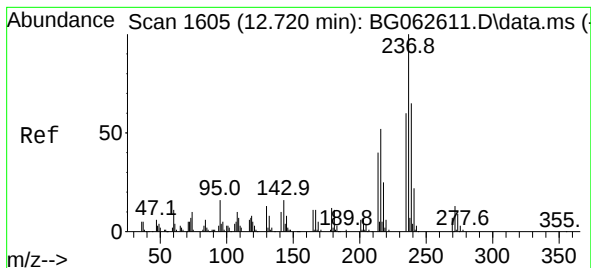
216 100

214 80.3 61.6 92.4

179 18.9 15.9 23.9

108 13.8 11.4 17.0

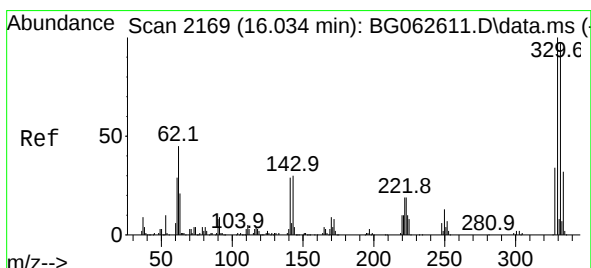
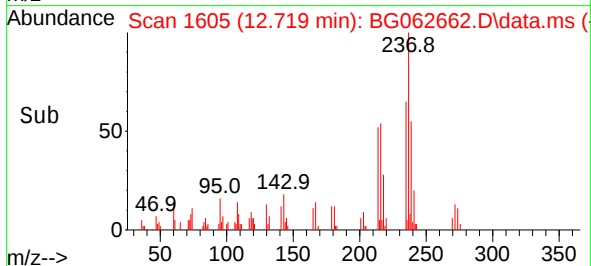
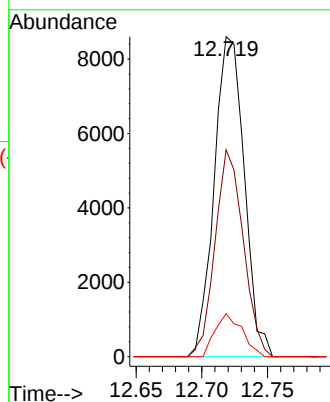
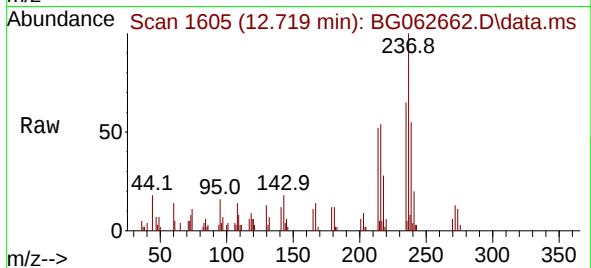




#41
Hexachlorocyclopentadiene
Concen: 8.945 ng
RT: 12.719 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

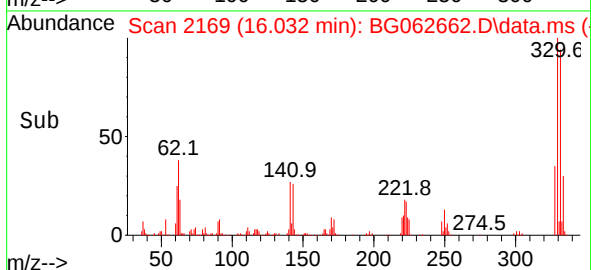
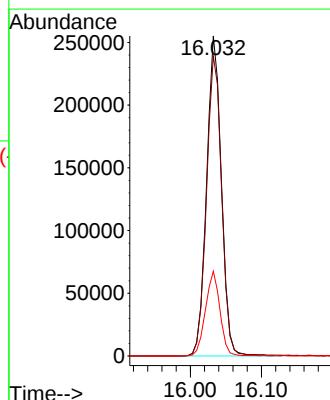
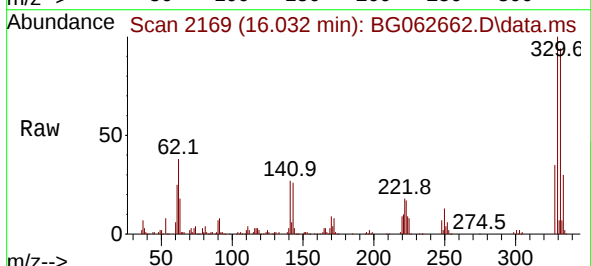
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

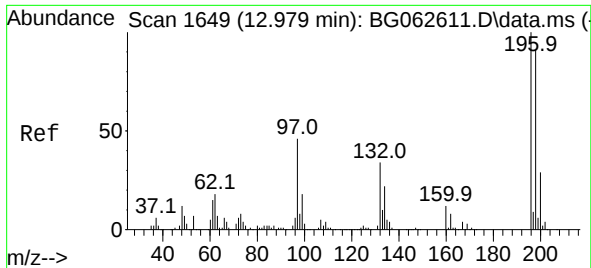
Tgt Ion	Ratio	Lower	Upper
237	100		
235	69.8	40.4	80.4
272	13.4	0.0	32.7



#42
2,4,6-Tribromophenol
Concen: 147.541 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	25.8	22.2	33.4





#43

2,4,6-Trichlorophenol

Concen: 8.305 ng

RT: 12.977 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

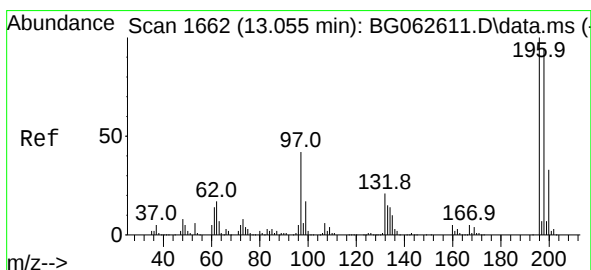
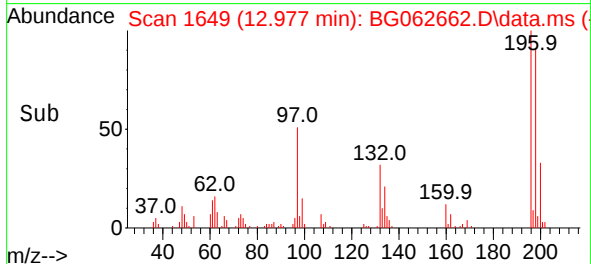
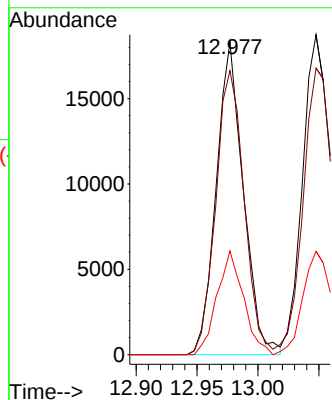
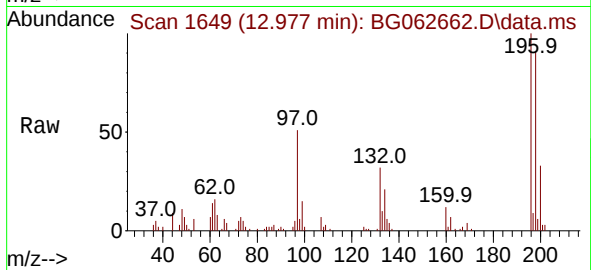
Tgt Ion:196 Resp: 28256

Ion Ratio Lower Upper

196 100

198 90.9 72.8 109.2

200 33.2 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 8.529 ng

RT: 13.048 min Scan# 1661

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Tgt Ion:196 Resp: 32864

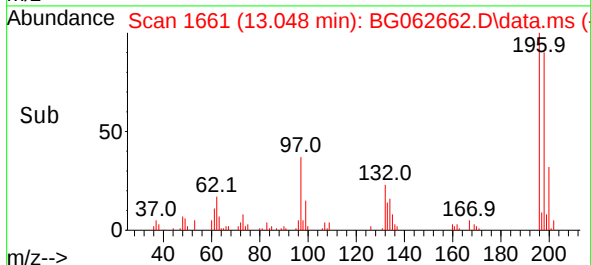
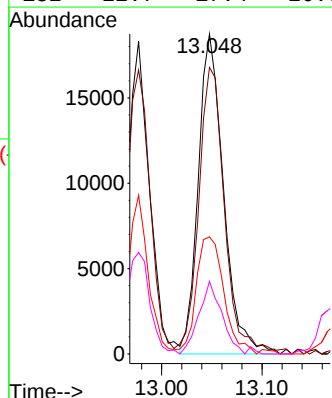
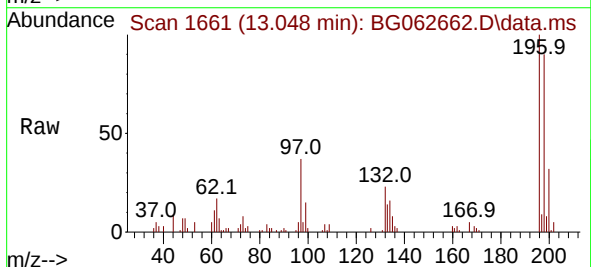
Ion Ratio Lower Upper

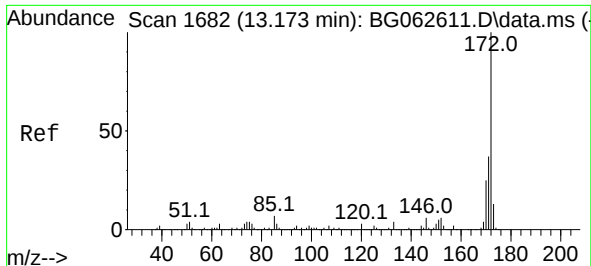
196 100

198 89.5 75.5 113.3

97 36.6 34.1 51.1

132 22.7 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 93.682 ng

RT: 13.171 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

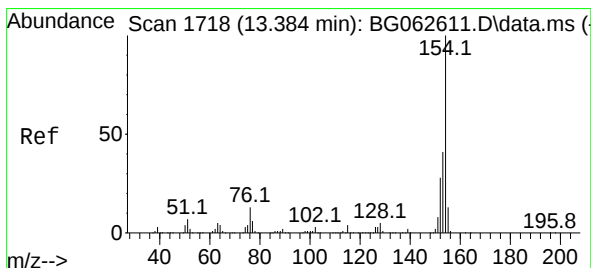
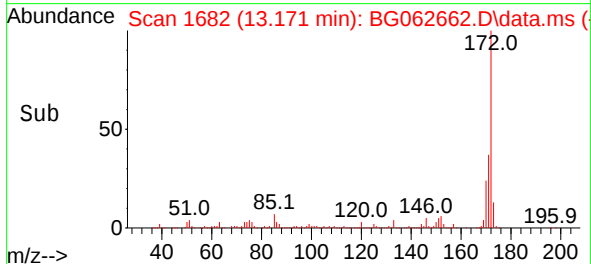
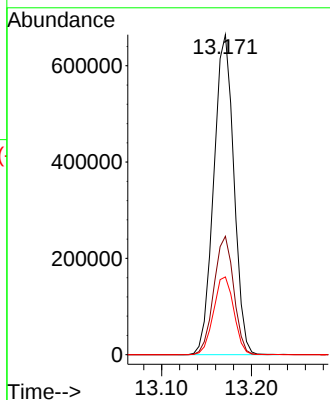
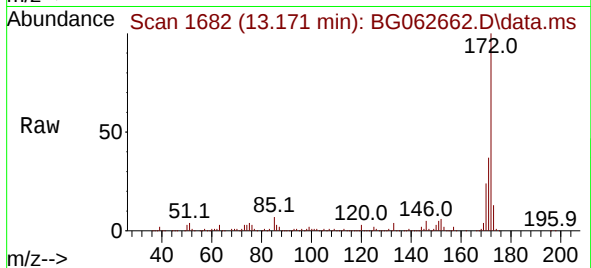
Tgt Ion:172 Resp: 1032183

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

170 24.3 20.0 30.0



#46

1,1'-Biphenyl

Concen: 8.925 ng

RT: 13.377 min Scan# 1717

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

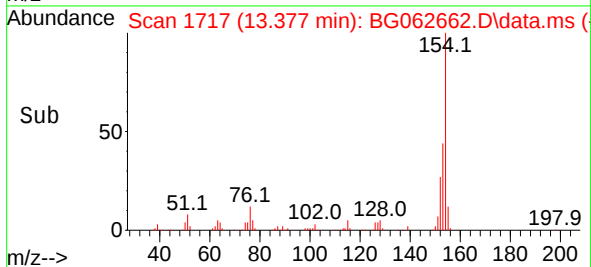
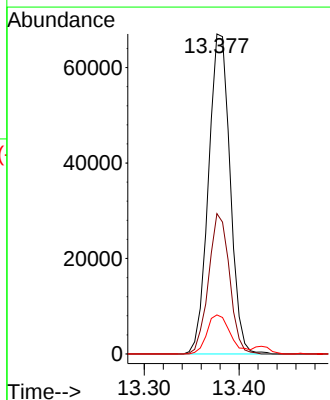
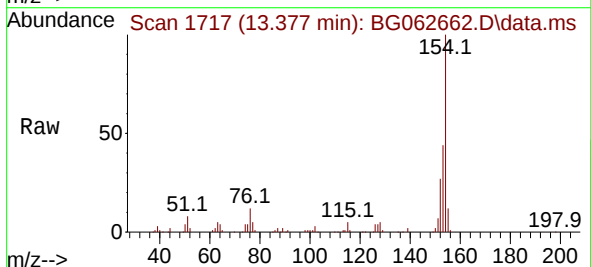
Tgt Ion:154 Resp: 106268

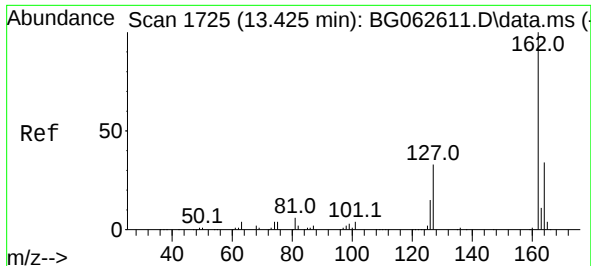
Ion Ratio Lower Upper

154 100

153 43.9 20.8 60.8

76 12.2 0.0 33.4

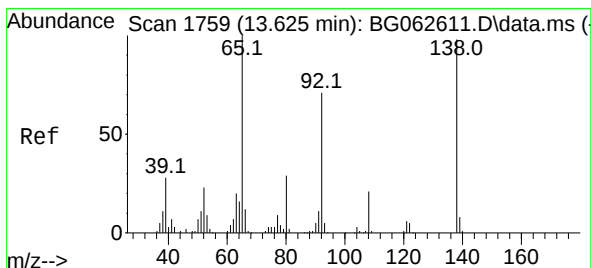
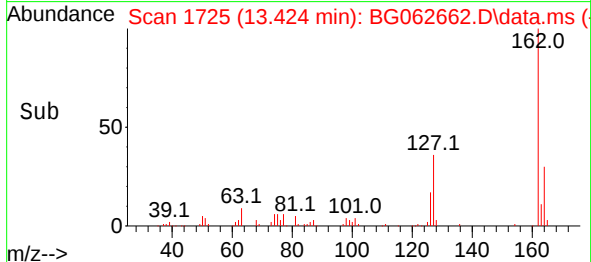
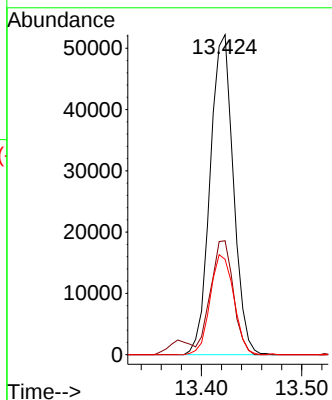
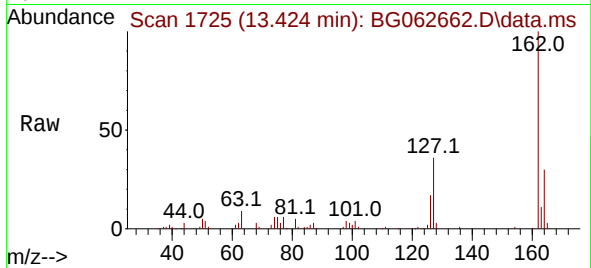




#47
2-Chloronaphthalene
Concen: 8.697 ng
RT: 13.424 min Scan# 1725
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

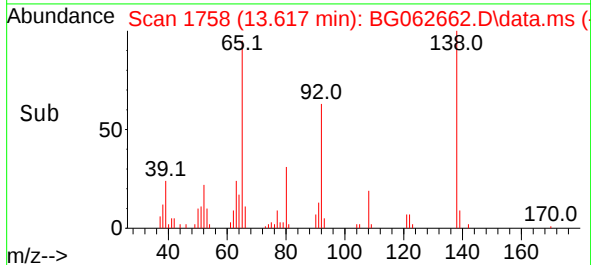
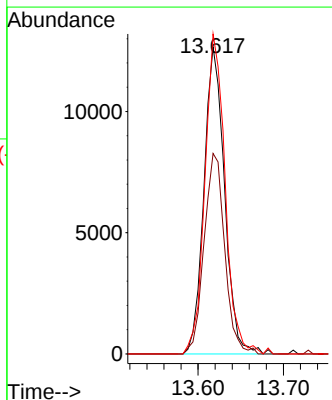
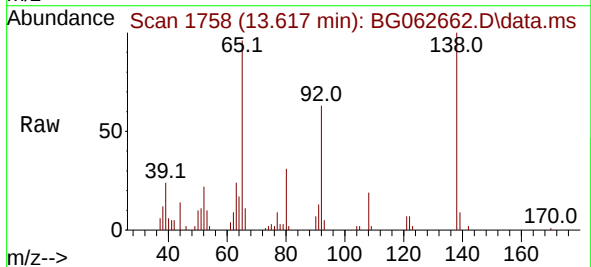
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2024

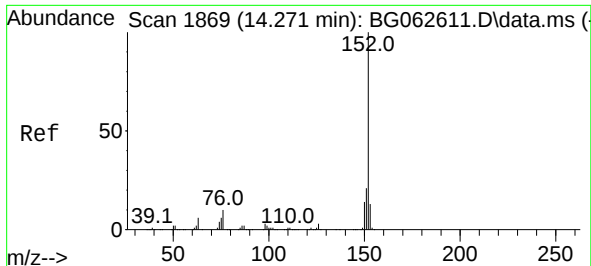
Tgt Ion:162 Resp: 83920
Ion Ratio Lower Upper
162 100
127 35.6 28.7 43.1
164 29.8 26.9 40.3



#48
2-Nitroaniline
Concen: 8.365 ng
RT: 13.617 min Scan# 1758
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion: 65 Resp: 21231
Ion Ratio Lower Upper
65 100
92 65.3 56.6 84.8
138 104.2 78.7 118.1





#49

Acenaphthylene

Concen: 9.285 ng

RT: 14.264 min Scan# 1868

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

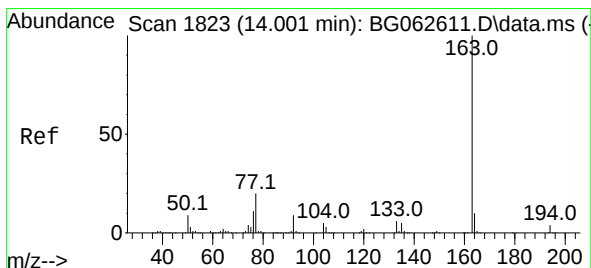
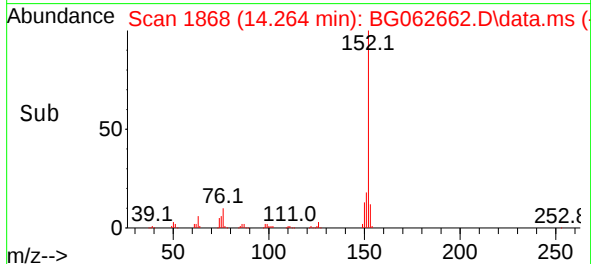
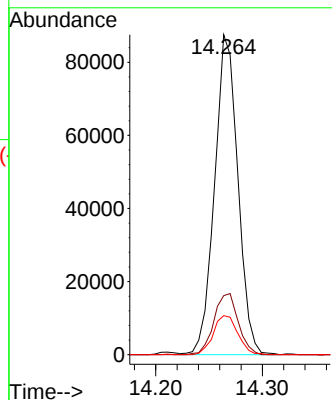
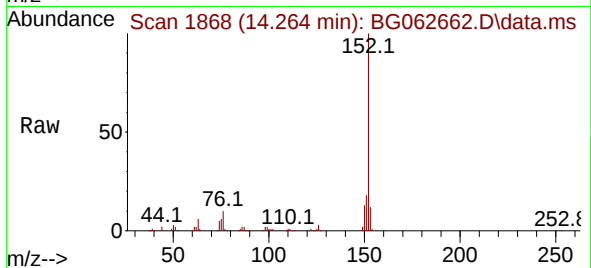
Tgt Ion:152 Resp: 132675

Ion Ratio Lower Upper

152 100

151 18.4 16.6 24.8

153 12.2 10.2 15.4



#50

Dimethylphthalate

Concen: 8.786 ng

RT: 13.993 min Scan# 1822

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

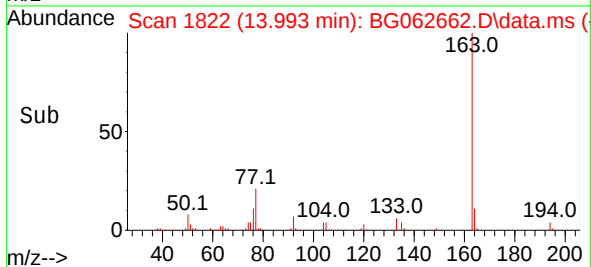
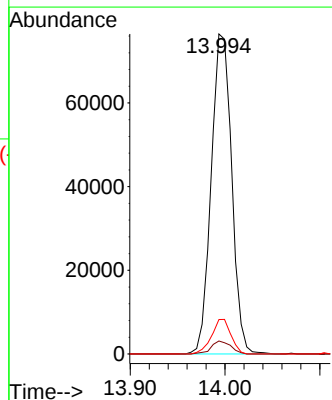
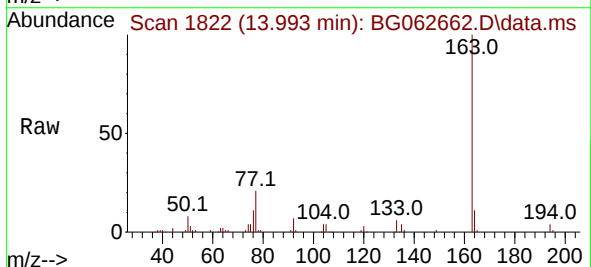
Tgt Ion:163 Resp: 114660

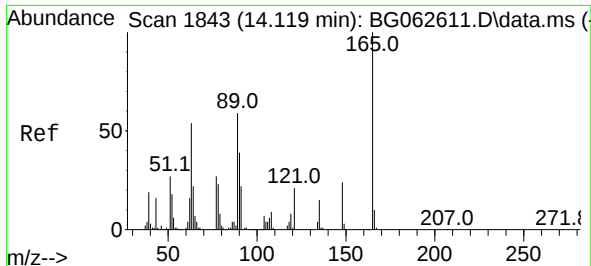
Ion Ratio Lower Upper

163 100

194 4.0 2.9 4.3

164 10.7 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 8.403 ng

RT: 14.111 min Scan# 1842

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

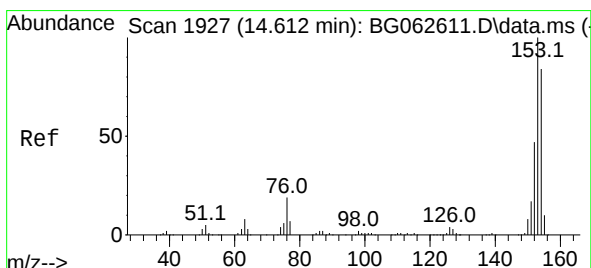
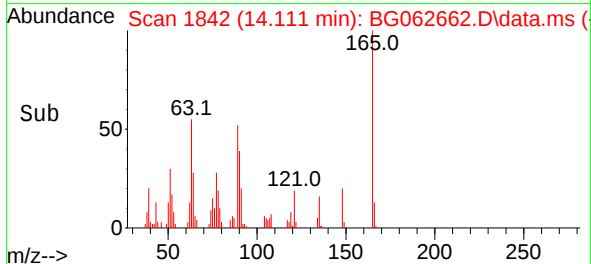
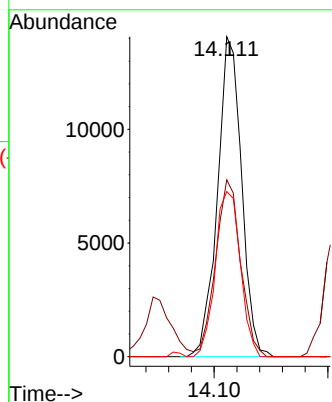
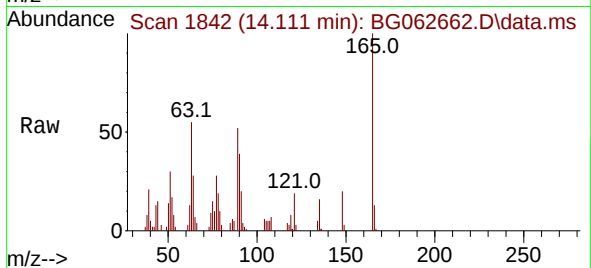
Tgt Ion:165 Resp: 20743

Ion Ratio Lower Upper

165 100

63 55.3 46.6 69.8

89 51.6 47.2 70.8



#52

Acenaphthene

Concen: 8.604 ng

RT: 14.610 min Scan# 1927

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

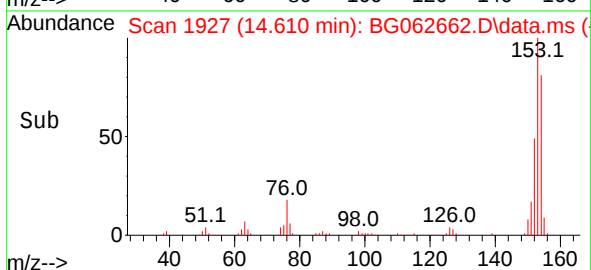
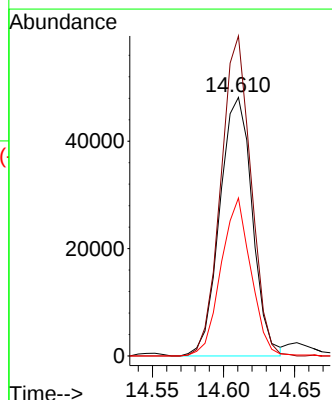
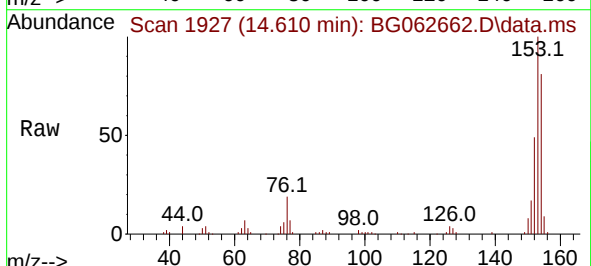
Tgt Ion:154 Resp: 76855

Ion Ratio Lower Upper

154 100

153 123.7 95.0 142.4

152 61.1 45.0 67.6





#53

3-Nitroaniline

Concen: 8.552 ng

RT: 14.446 min Scan# 1899

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

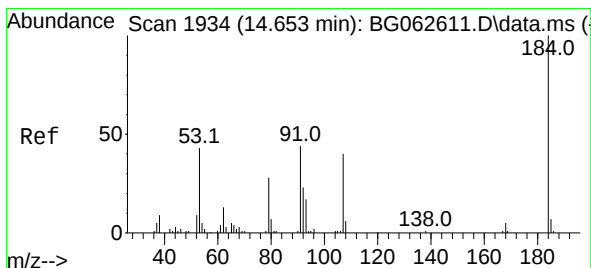
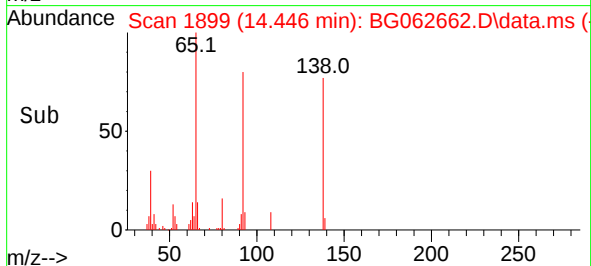
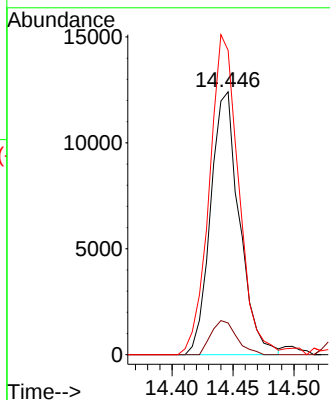
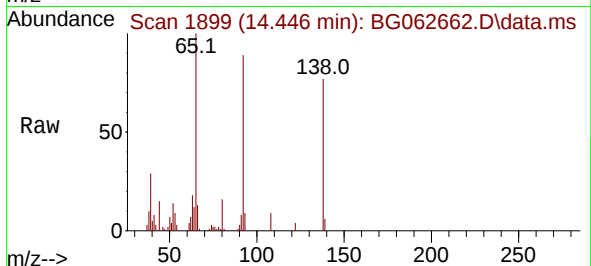
Tgt Ion:138 Resp: 20425

Ion Ratio Lower Upper

138 100

108 12.0 8.6 13.0

92 115.7 95.7 143.5



#54

2,4-Dinitrophenol

Concen: 4.946 ng

RT: 14.652 min Scan# 1934

Delta R.T. -0.001 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

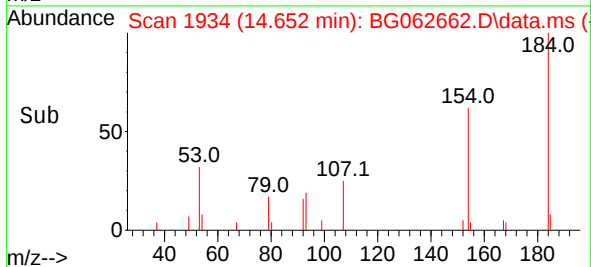
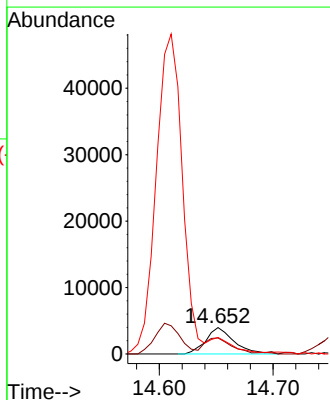
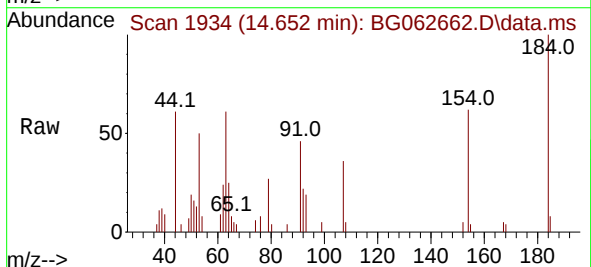
Tgt Ion:184 Resp: 6851

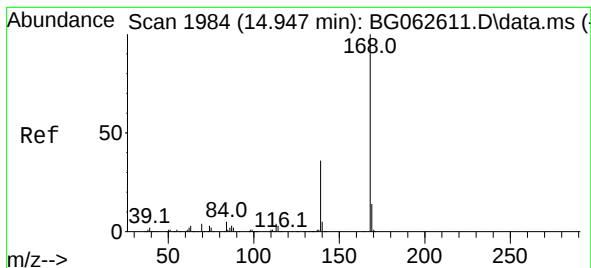
Ion Ratio Lower Upper

184 100

63 56.2 49.0 73.4

154 57.6 50.5 75.7





#55

Dibenzofuran

Concen: 9.057 ng

RT: 14.945 min Scan# 1984

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

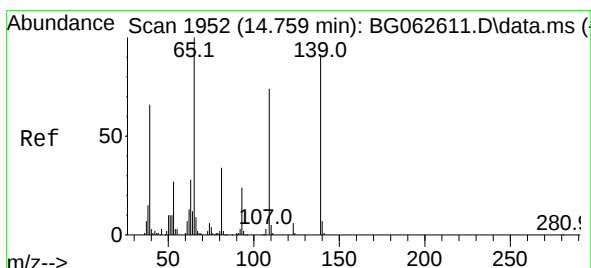
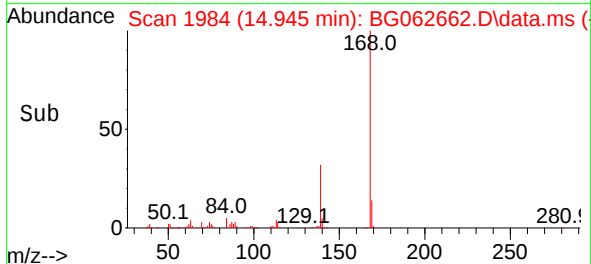
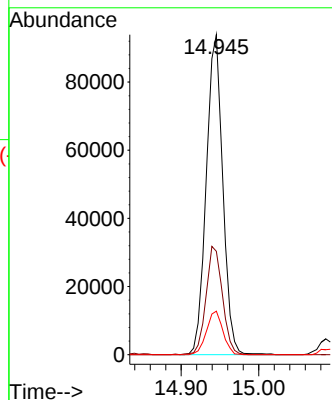
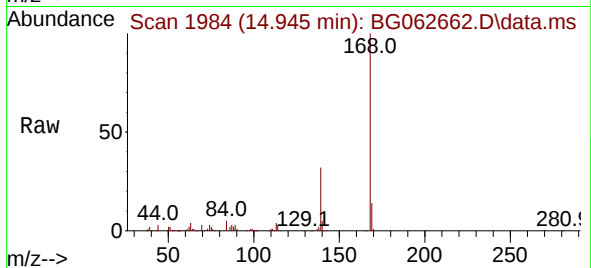
Tgt Ion:168 Resp: 138747

Ion Ratio Lower Upper

168 100

139 32.3 28.6 42.8

169 13.6 11.0 16.6



#56

4-Nitrophenol

Concen: 8.041 ng

RT: 14.751 min Scan# 1951

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

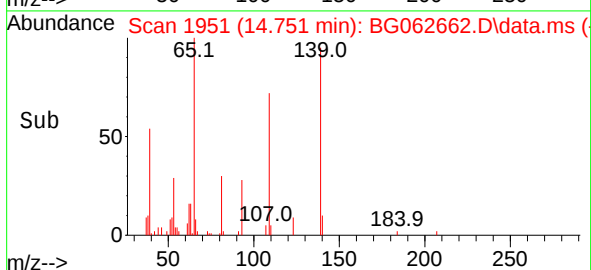
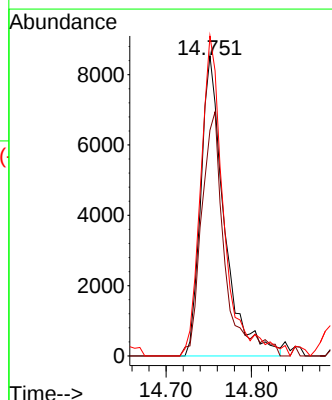
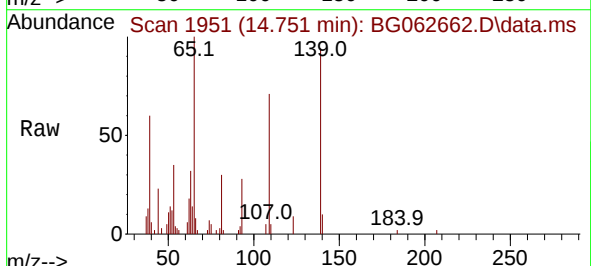
Tgt Ion:139 Resp: 16277

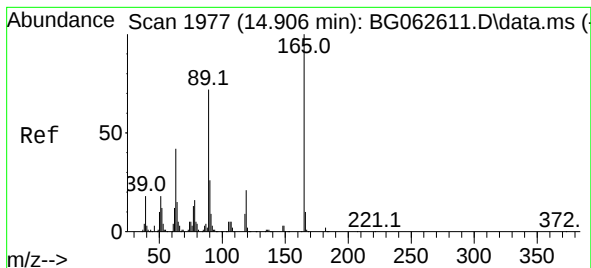
Ion Ratio Lower Upper

139 100

109 75.2 61.2 101.2

65 106.6 90.2 130.2





#57

2,4-Dinitrotoluene

Concen: 8.797 ng

RT: 14.898 min Scan# 1976

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:165 Resp: 29627

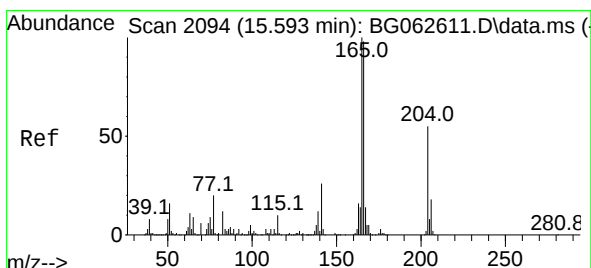
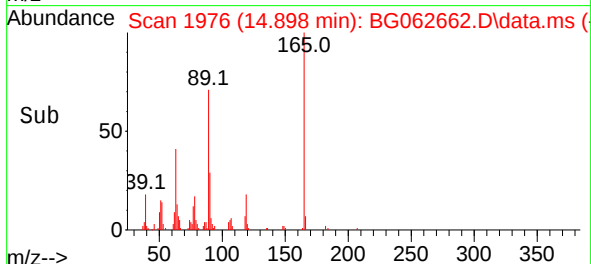
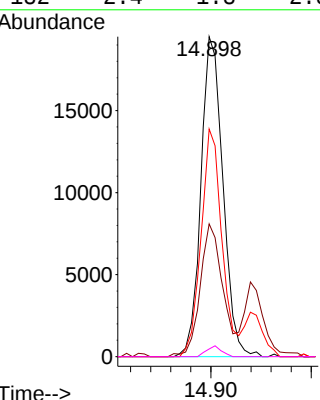
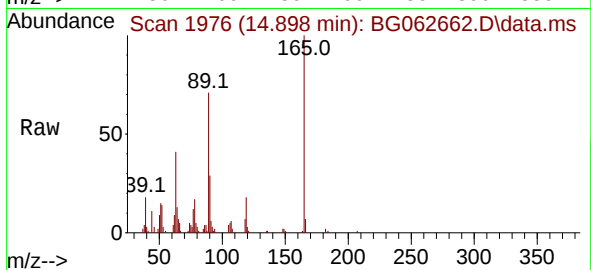
Ion Ratio Lower Upper

165 100

63 41.5 33.8 50.6

89 71.2 57.9 86.9

182 2.4 1.8 2.8



#58

Fluorene

Concen: 8.869 ng

RT: 15.592 min Scan# 2094

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

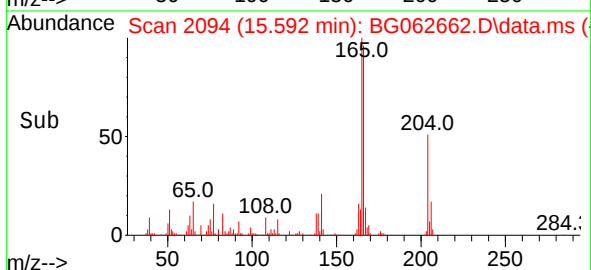
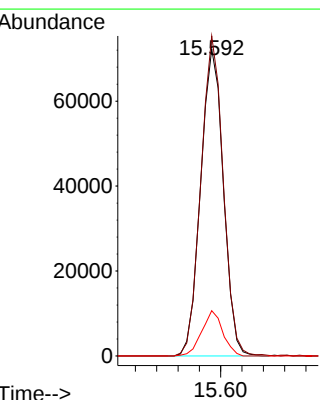
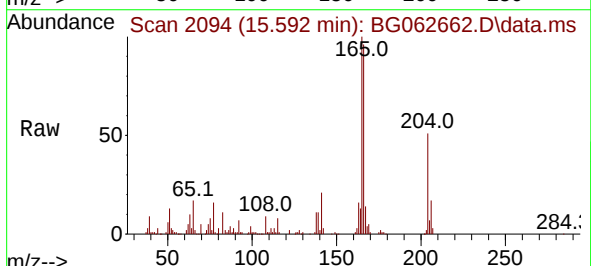
Tgt Ion:166 Resp: 106636

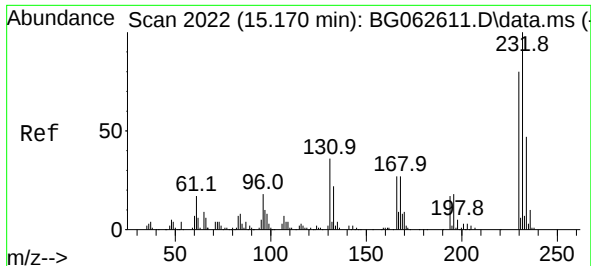
Ion Ratio Lower Upper

166 100

165 104.2 82.0 123.0

167 14.8 11.3 16.9





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.426 ng

RT: 15.086 min Scan# 2022

Delta R.T. -0.084 min

Lab File: BG062662.D

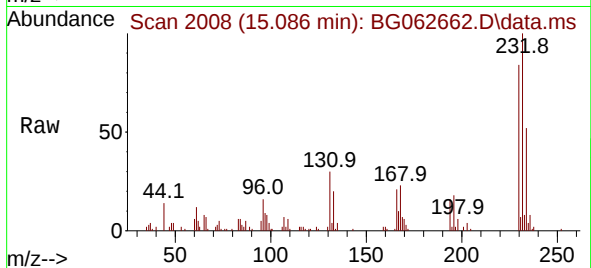
Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:232 Resp: 30755

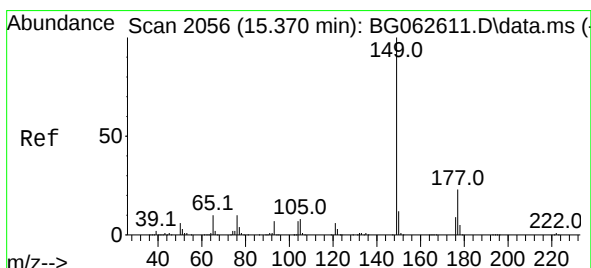
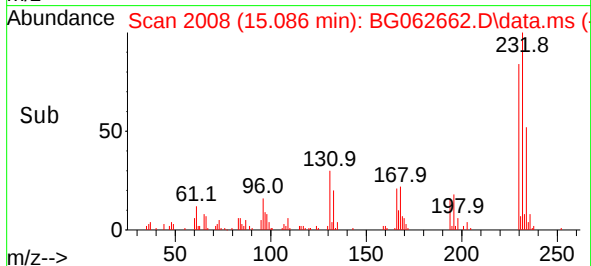
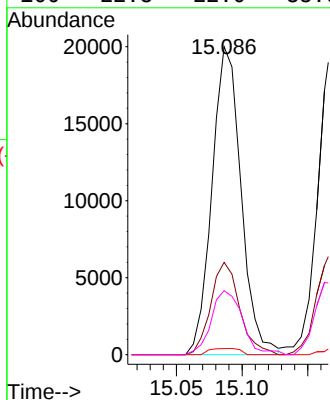
Ion Ratio Lower Upper

232 100

131 29.7 28.3 42.5

130 2.1 1.7 2.5

166 22.3 22.0 33.0



#60

Diethylphthalate

Concen: 8.577 ng

RT: 15.362 min Scan# 2055

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

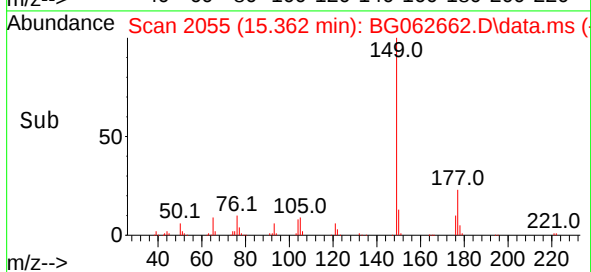
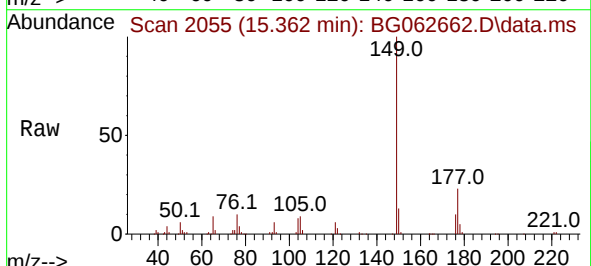
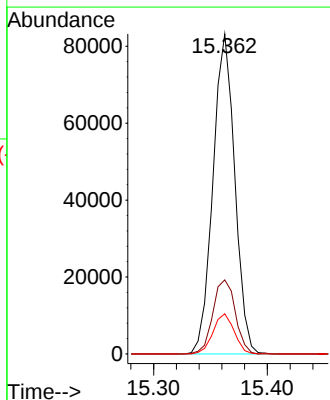
Tgt Ion:149 Resp: 110934

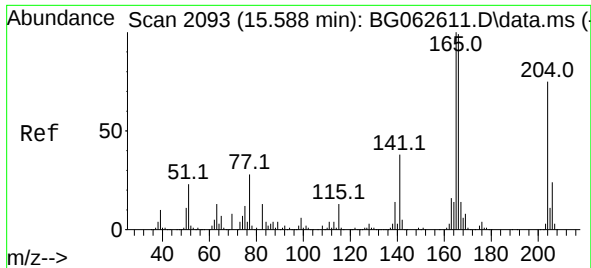
Ion Ratio Lower Upper

149 100

177 23.1 18.0 27.0

150 12.6 9.8 14.8

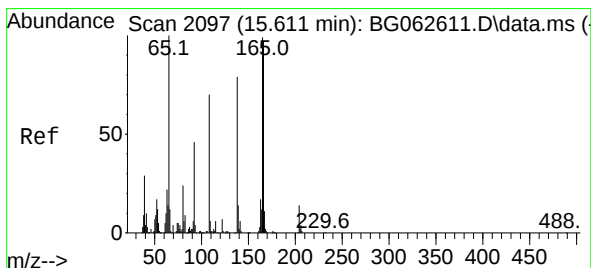
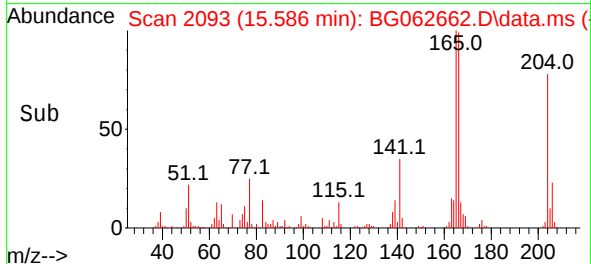
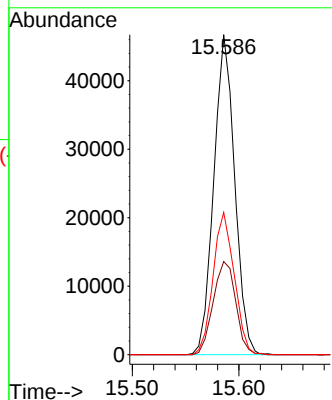
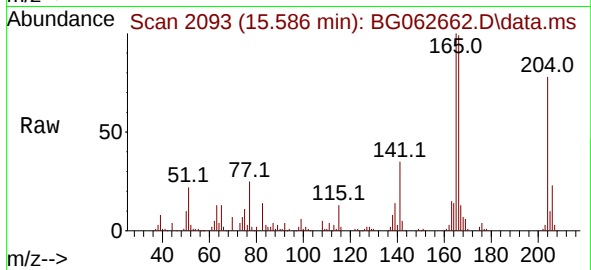




#61
4-Chlorophenyl-phenylether
Concen: 9.217 ng
RT: 15.586 min Scan# 2093
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

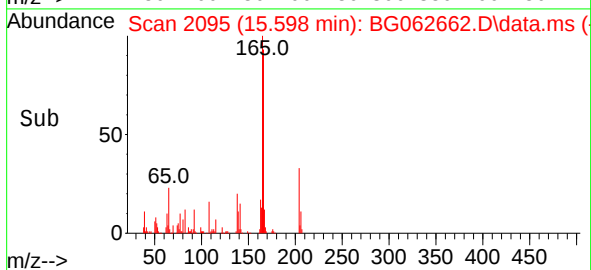
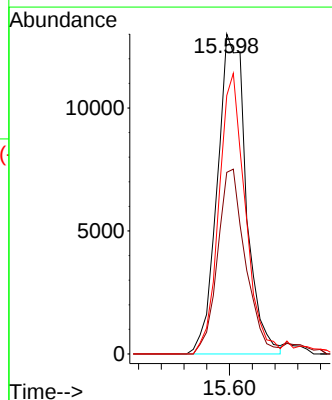
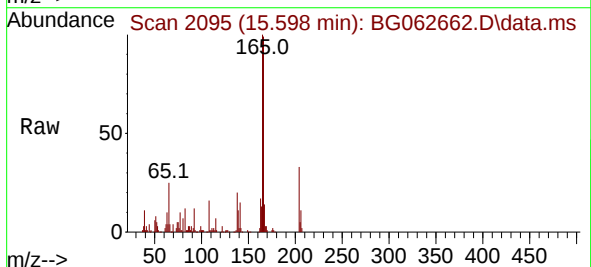
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

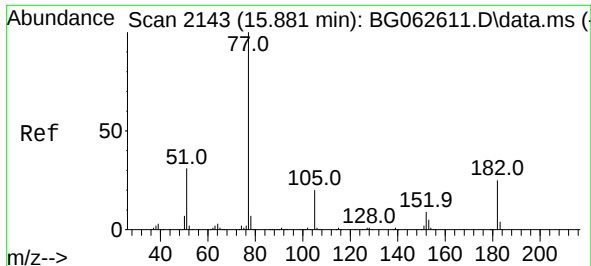
Tgt Ion:204 Resp: 63620
Ion Ratio Lower Upper
204 100
206 29.1 25.9 38.9
141 44.4 41.0 61.6



#62
4-Nitroaniline
Concen: 8.694 ng
RT: 15.598 min Scan# 2095
Delta R.T. -0.014 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:138 Resp: 22897
Ion Ratio Lower Upper
138 100
92 56.8 38.4 78.4
108 80.8 69.0 109.0

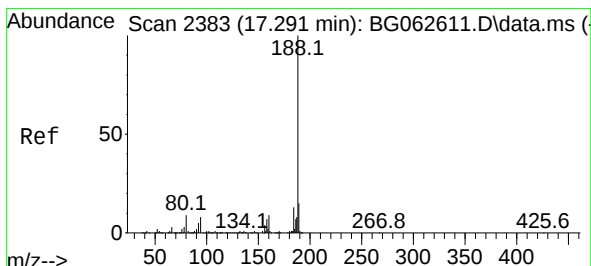
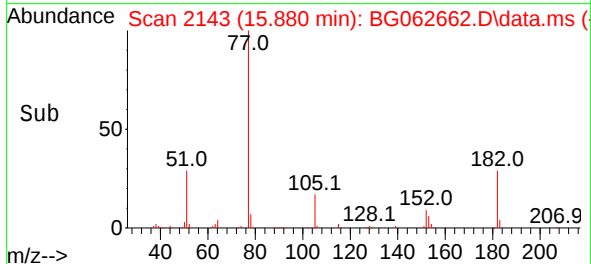
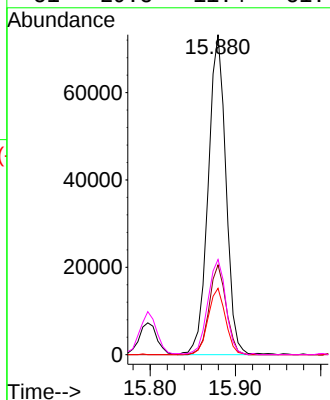
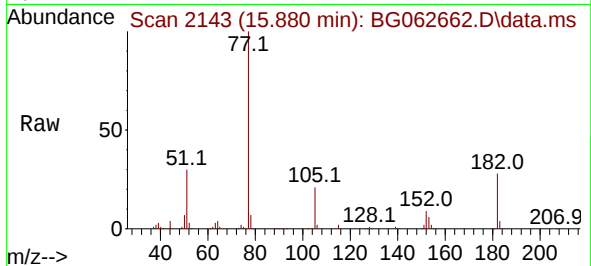




#63
Azobenzene
Concen: 8.734 ng
RT: 15.880 min Scan# 2143
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

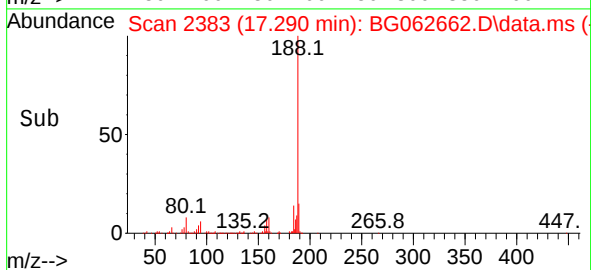
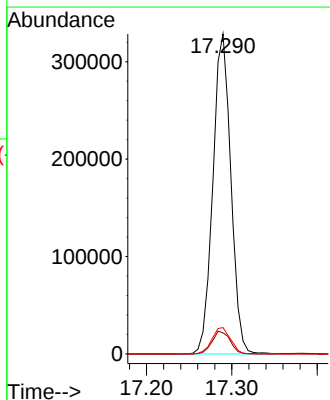
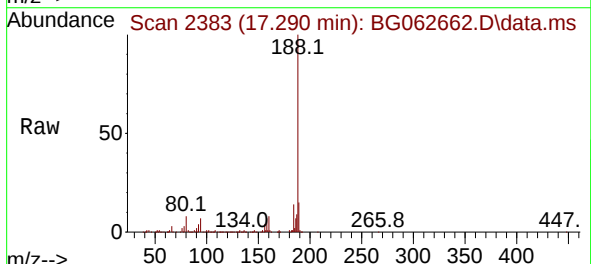
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

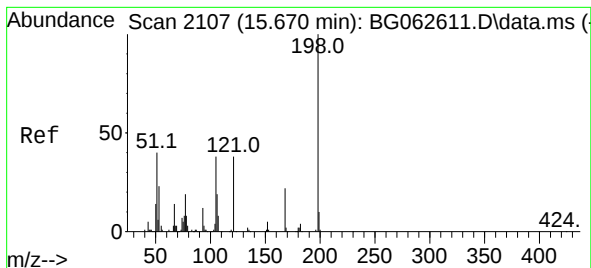
Tgt Ion: 77	Resp: 106072
Ion Ratio	Lower Upper
77 100	
182 28.1	5.0 45.0
105 20.7	0.5 40.5
51 29.8	11.4 51.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.290 min Scan# 2383
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:188	Resp: 482507
Ion Ratio	Lower Upper
188 100	
94 6.6	6.3 9.5
80 8.3	7.0 10.4

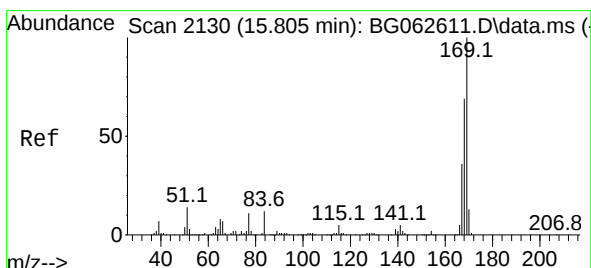
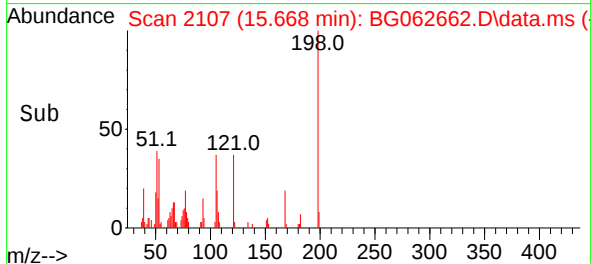
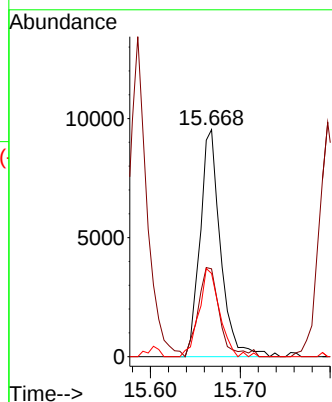
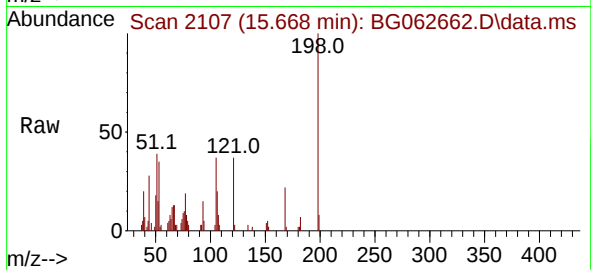




#65
4,6-Dinitro-2-methylphenol
Concen: 7.000 ng
RT: 15.668 min Scan# 2107
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

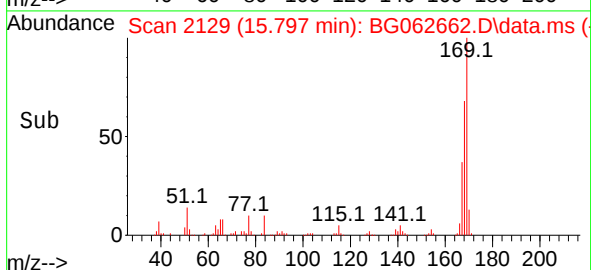
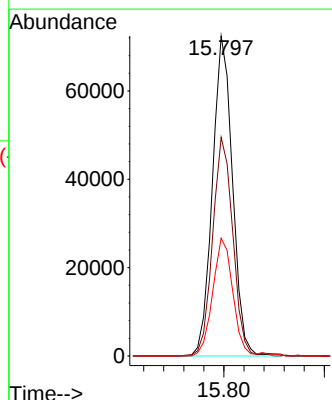
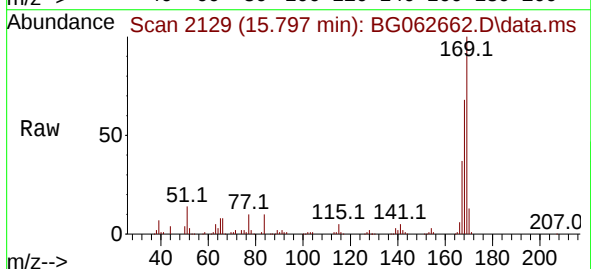
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

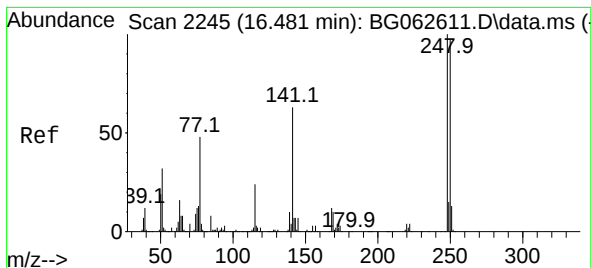
Tgt Ion:198 Resp: 15073
Ion Ratio Lower Upper
198 100
51 38.7 25.1 65.1
105 36.7 18.3 58.3



#66
n-Nitrosodiphenylamine
Concen: 8.643 ng
RT: 15.797 min Scan# 2129
Delta R.T. -0.008 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:169 Resp: 100266
Ion Ratio Lower Upper
169 100
168 68.3 55.4 83.2
167 36.8 29.0 43.6

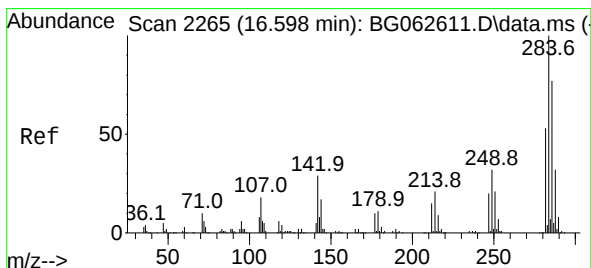
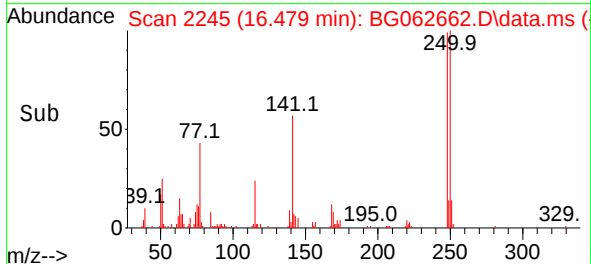
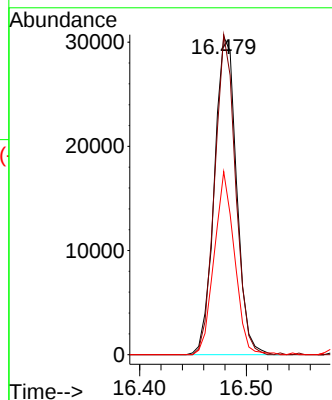
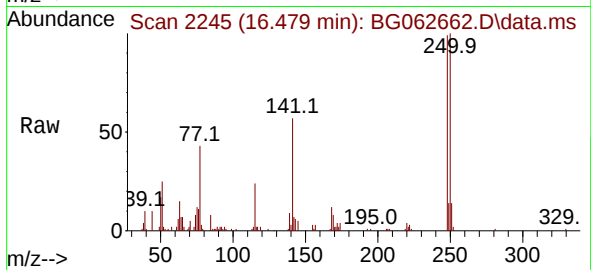




#67
4-Bromophenyl-phenylether
Concen: 8.826 ng
RT: 16.479 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

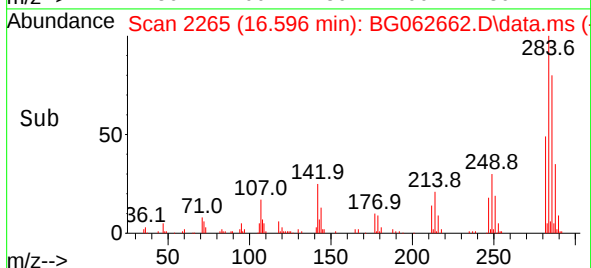
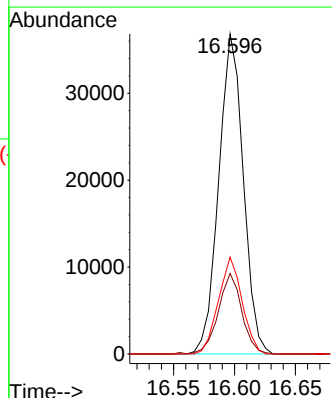
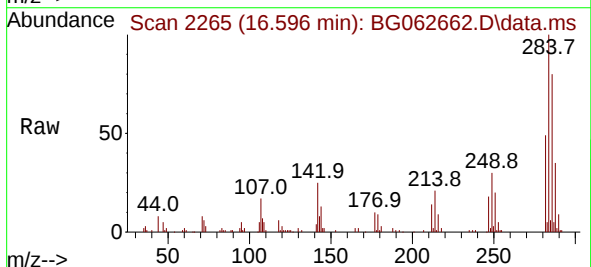
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

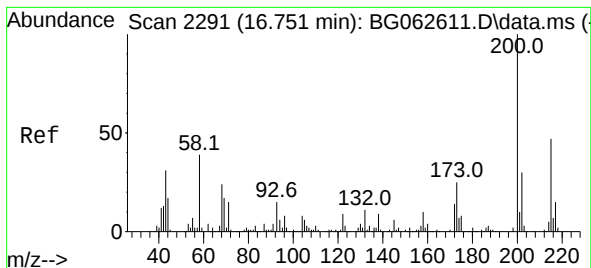
Tgt Ion:248 Resp: 43952
Ion Ratio Lower Upper
248 100
250 100.5 77.9 116.9
141 57.5 50.2 75.2



#68
Hexachlorobenzene
Concen: 8.749 ng
RT: 16.596 min Scan# 2265
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:284 Resp: 51597
Ion Ratio Lower Upper
284 100
142 25.1 23.5 35.3
249 33.3 25.4 38.0





#69

Atrazine

Concen: 10.892 ng

RT: 16.743 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

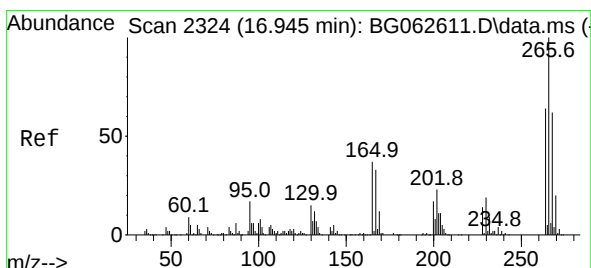
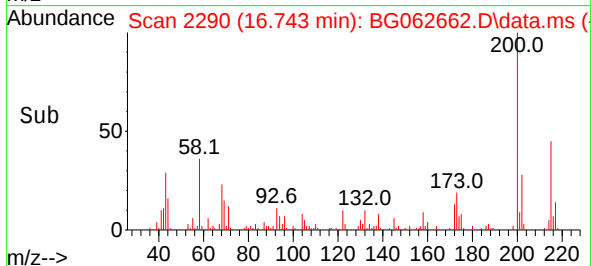
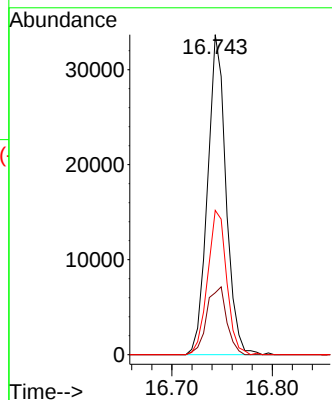
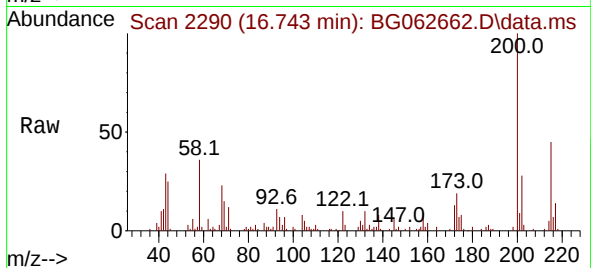
Tgt Ion:200 Resp: 42916

Ion Ratio Lower Upper

200 100

173 19.4 5.2 45.2

215 45.1 27.3 67.3



#70

Pentachlorophenol

Concen: 5.694 ng

RT: 16.943 min Scan# 2324

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

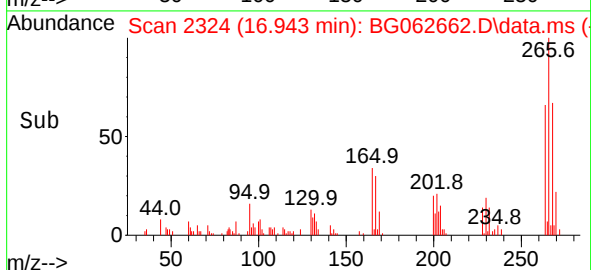
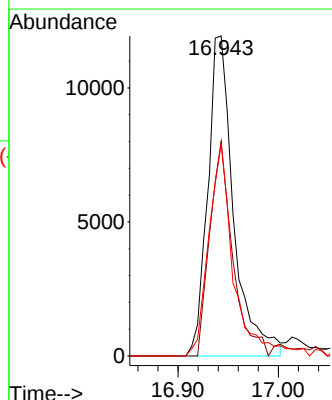
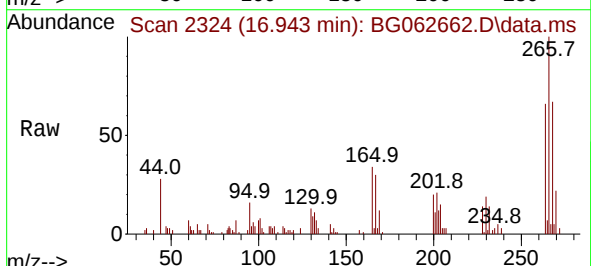
Tgt Ion:266 Resp: 21507

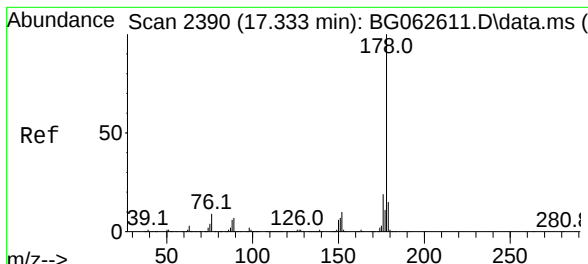
Ion Ratio Lower Upper

266 100

268 72.6 52.6 79.0

264 66.1 51.6 77.4



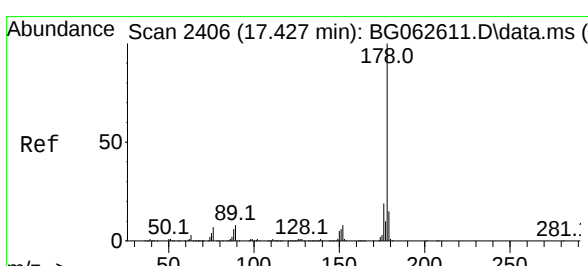
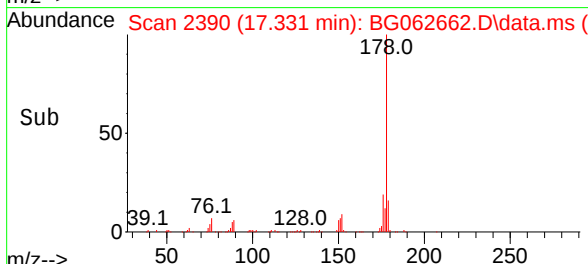
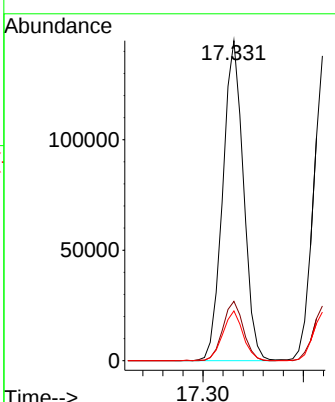
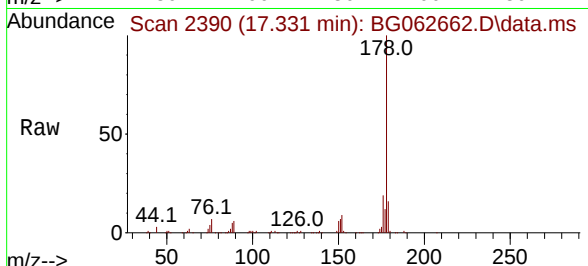


#71
 Phenanthrene
 Concen: 9.177 ng
 RT: 17.331 min Scan# 2405
 Delta R.T. -0.002 min
 Lab File: BG062662.D
 Acq: 5 Sep 2024 11:50

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

Tgt Ion:178 Resp: 206673

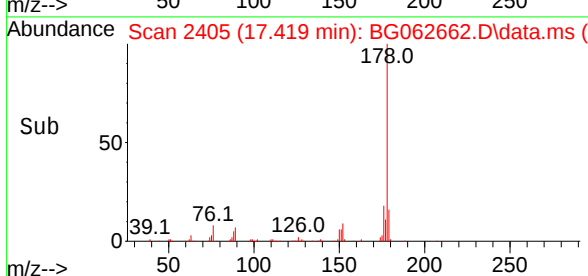
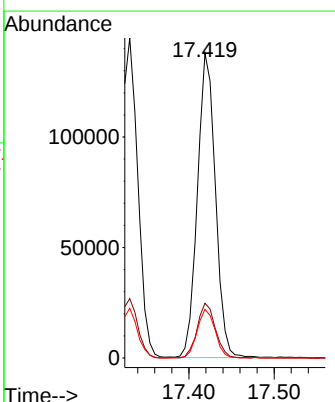
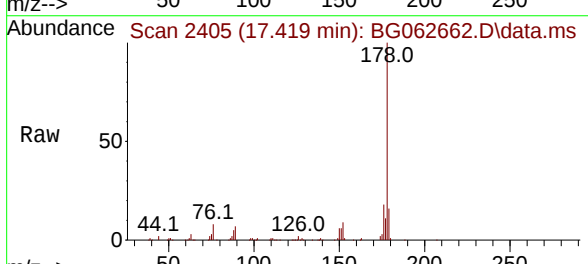
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.6	12.2	18.4

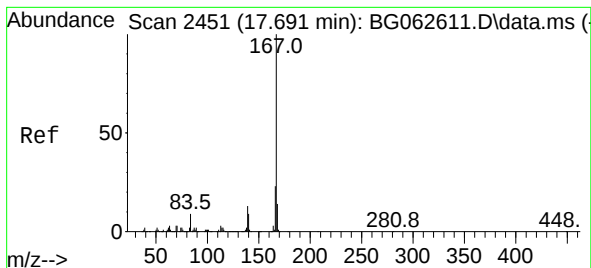


#72
 Anthracene
 Concen: 9.123 ng
 RT: 17.419 min Scan# 2405
 Delta R.T. -0.008 min
 Lab File: BG062662.D
 Acq: 5 Sep 2024 11:50

Tgt Ion:178 Resp: 202006

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.2	22.8
179	15.9	12.0	18.0





#73

Carbazole

Concen: 8.812 ng

RT: 17.689 min Scan# 2451

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

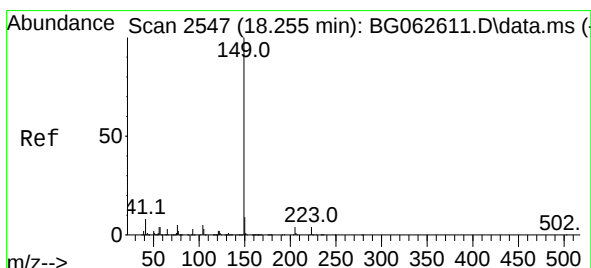
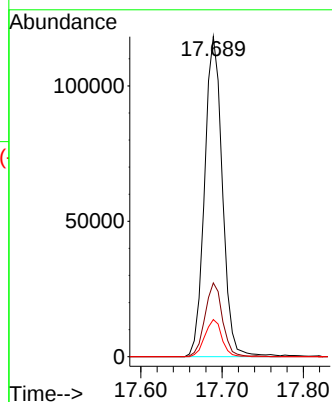
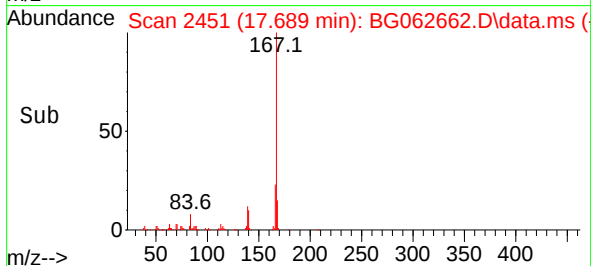
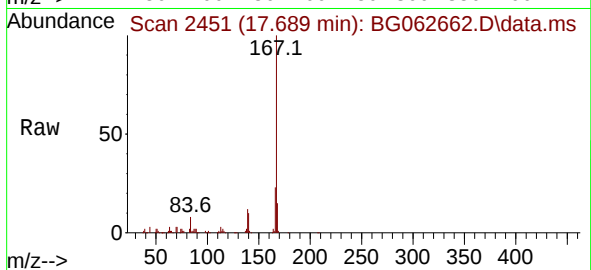
Tgt Ion:167 Resp: 179388

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.2

139 11.6 10.1 15.1



#74

Di-n-butylphthalate

Concen: 8.246 ng

RT: 18.253 min Scan# 2547

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

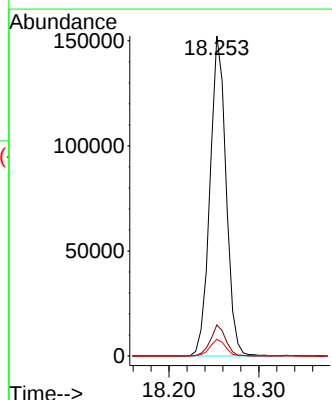
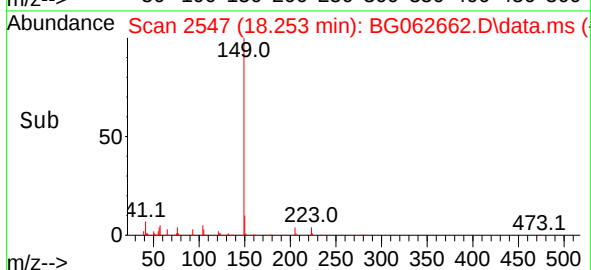
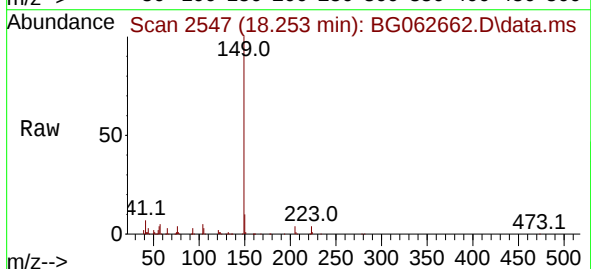
Tgt Ion:149 Resp: 189309

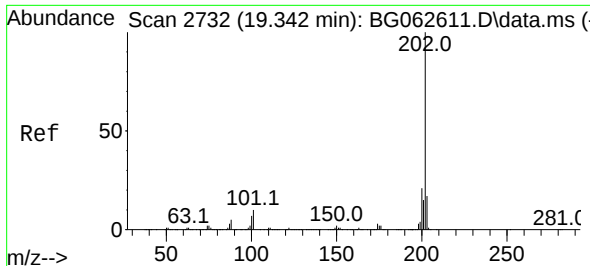
Ion Ratio Lower Upper

149 100

150 9.7 7.3 10.9

104 5.2 4.2 6.2

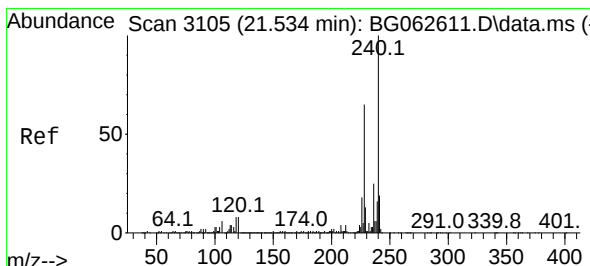
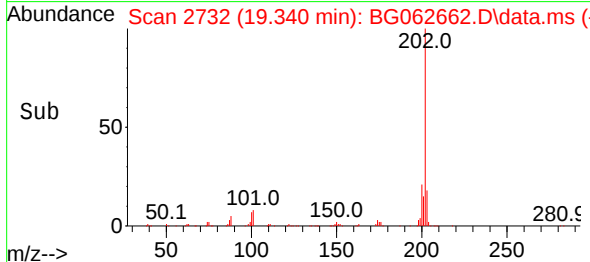
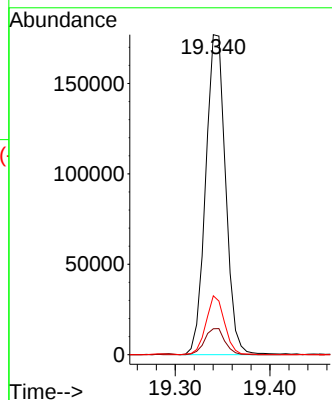
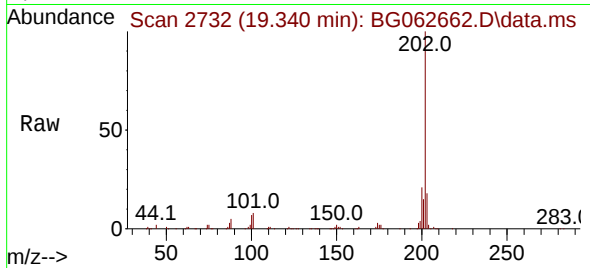




#75
Fluoranthene
Concen: 9.039 ng
RT: 19.340 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

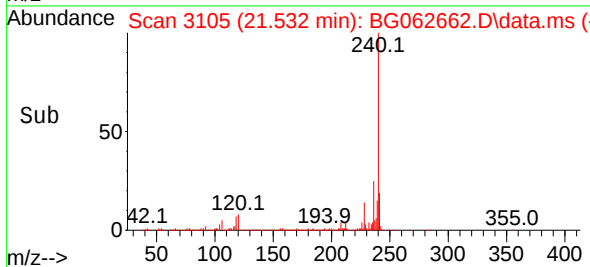
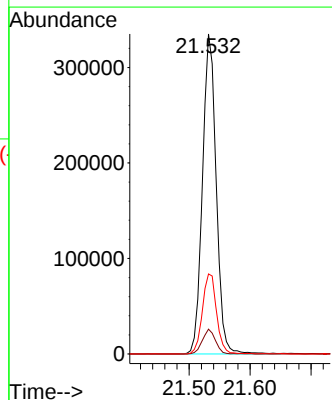
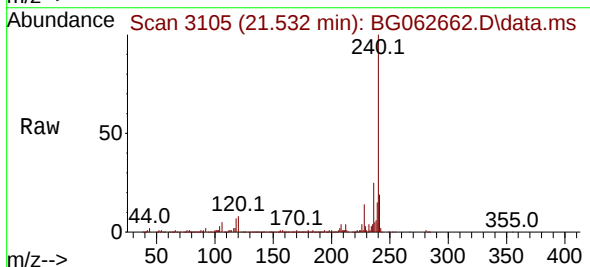
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

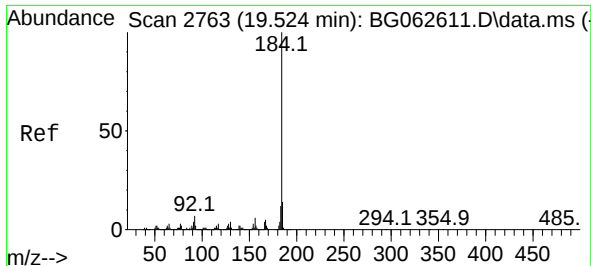
Tgt Ion:202 Resp: 257458
Ion Ratio Lower Upper
202 100
101 8.1 0.0 29.6
203 18.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.532 min Scan# 3105
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:240 Resp: 523978
Ion Ratio Lower Upper
240 100
120 7.8 6.6 9.8
236 25.0 20.2 30.4

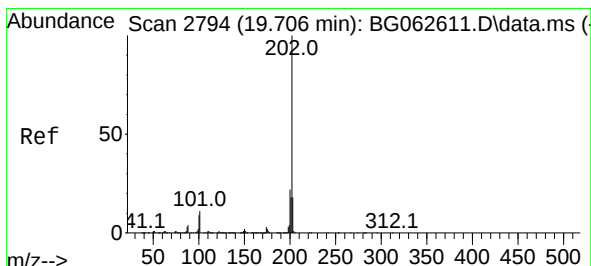
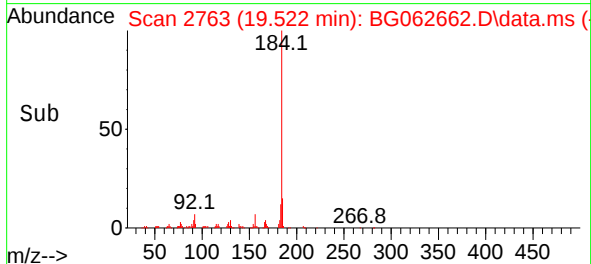
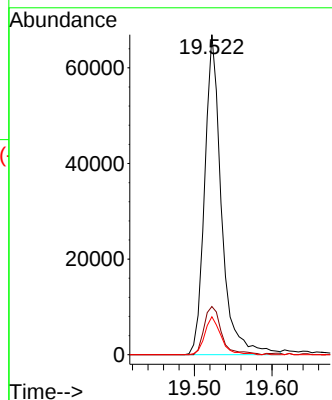
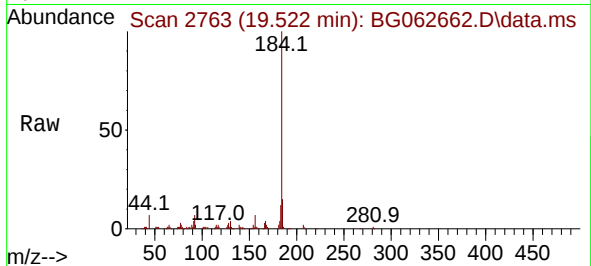




#77
Benzidine
Concen: 10.683 ng
RT: 19.522 min Scan# 2763
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

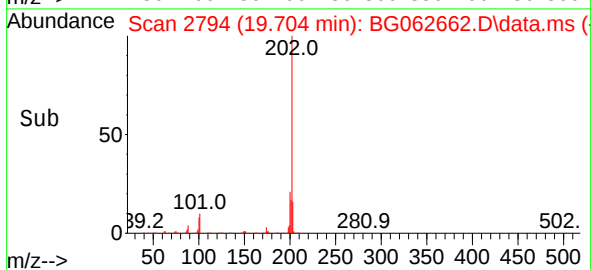
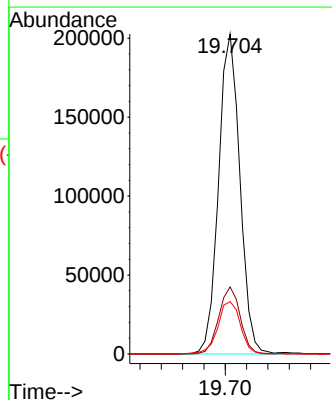
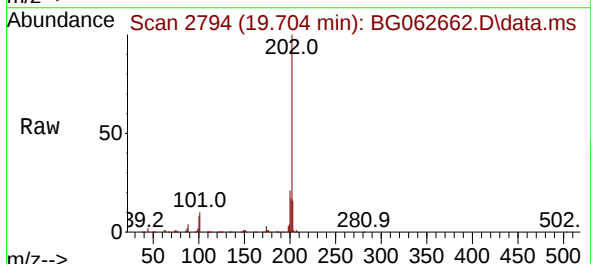
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2024

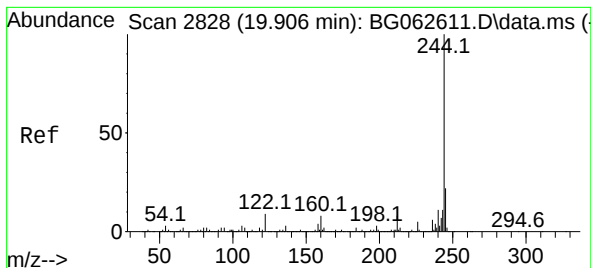
Tgt Ion:184 Resp: 100887
Ion Ratio Lower Upper
184 100
185 15.0 11.0 16.6
183 11.9 9.7 14.5



#78
Pyrene
Concen: 8.429 ng
RT: 19.704 min Scan# 2794
Delta R.T. -0.002 min
Lab File: BG062662.D
Acq: 5 Sep 2024 11:50

Tgt Ion:202 Resp: 280740
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 16.3 14.1 21.1





#79

Terphenyl-d14

Concen: 82.145 ng

RT: 19.910 min Scan# 2

Delta R.T. 0.004 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

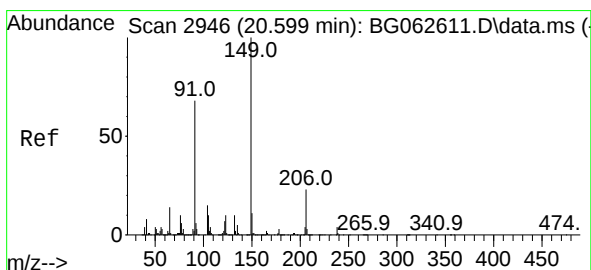
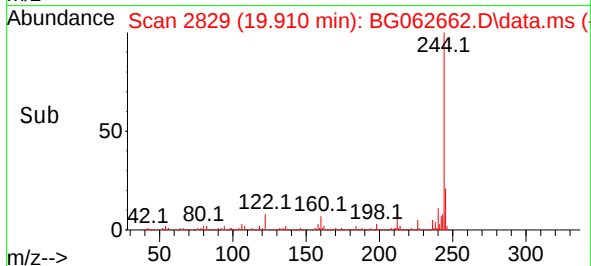
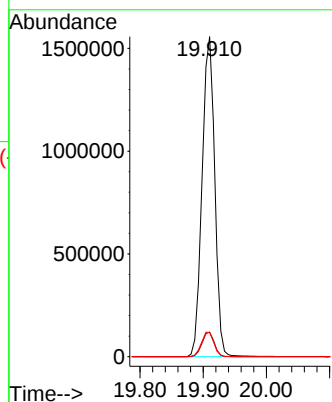
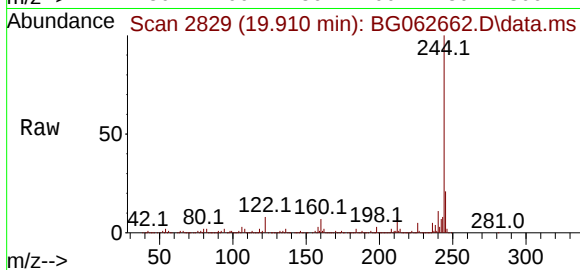
Tgt Ion:244 Resp: 2170735

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

122 7.5 7.2 10.8



#80

Butylbenzylphthalate

Concen: 7.389 ng

RT: 20.598 min Scan# 2946

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

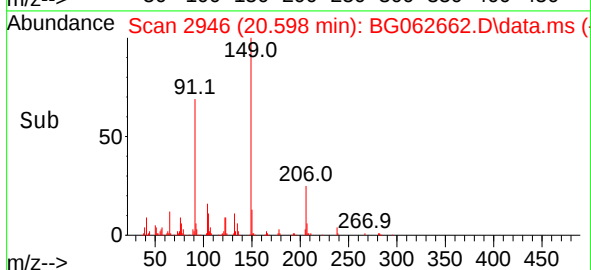
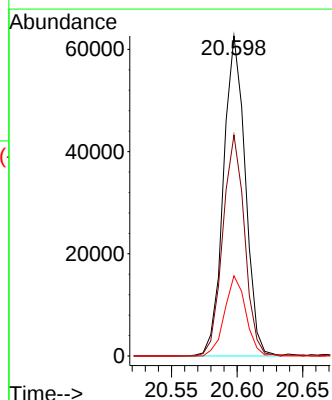
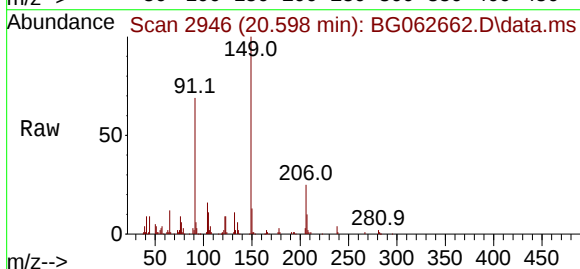
Tgt Ion:149 Resp: 72288

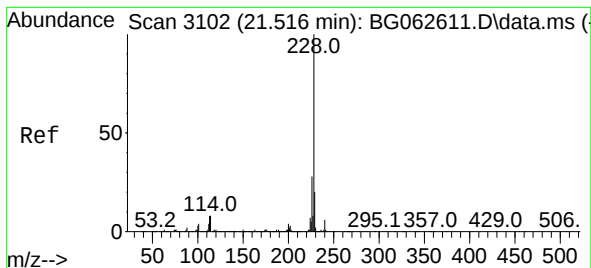
Ion Ratio Lower Upper

149 100

91 69.1 54.6 81.8

206 25.0 18.4 27.6





#81

Benzo(a)anthracene

Concen: 8.700 ng

RT: 21.514 min Scan# 3102

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

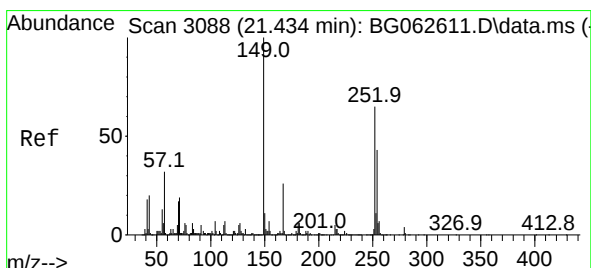
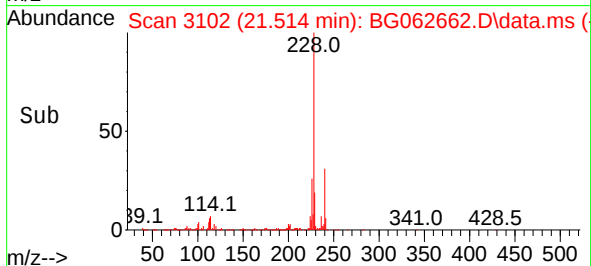
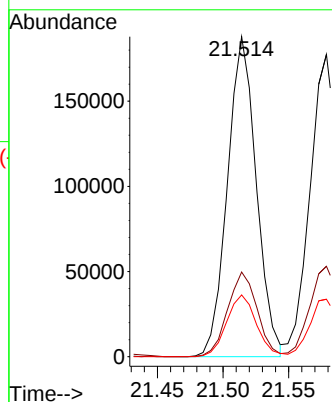
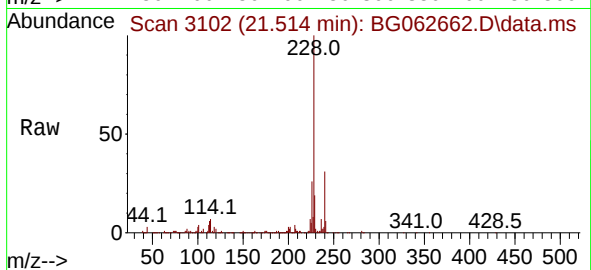
Tgt Ion:228 Resp: 287505

Ion Ratio Lower Upper

228 100

226 26.4 22.3 33.5

229 19.3 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 8.860 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

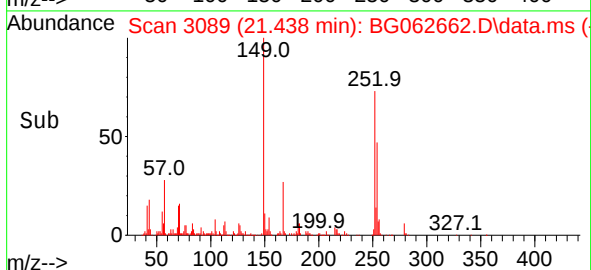
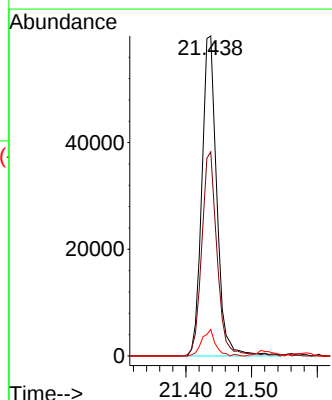
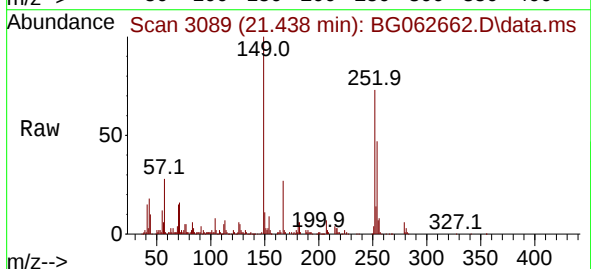
Tgt Ion:252 Resp: 95385

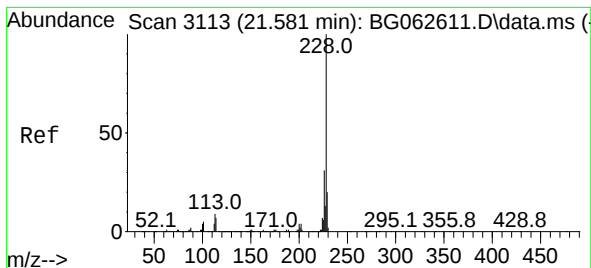
Ion Ratio Lower Upper

252 100

254 63.8 52.2 78.2

126 8.2 6.7 10.1





#83

Chrysene

Concen: 8.896 ng

RT: 21.579 min Scan# 3113

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

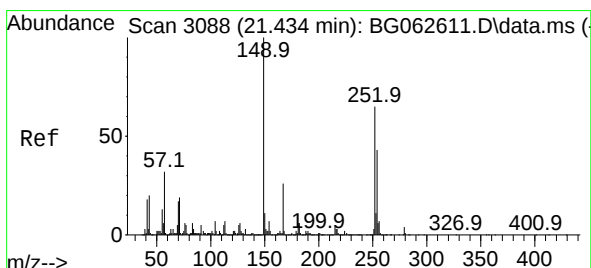
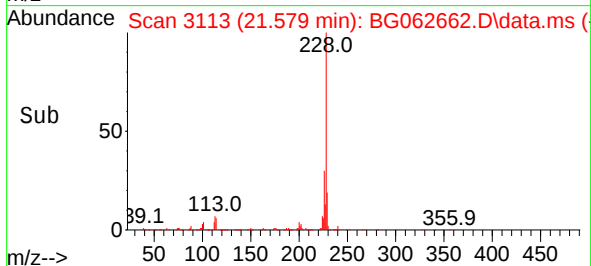
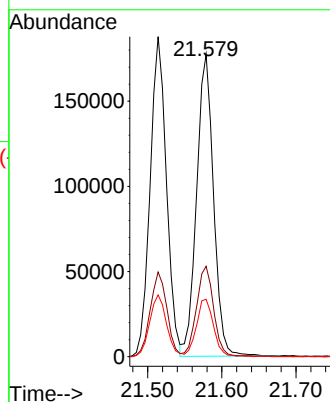
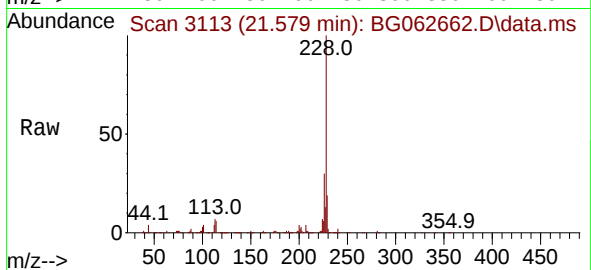
Tgt Ion:228 Resp: 281612

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

229 19.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.495 ng

RT: 21.438 min Scan# 3089

Delta R.T. 0.004 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

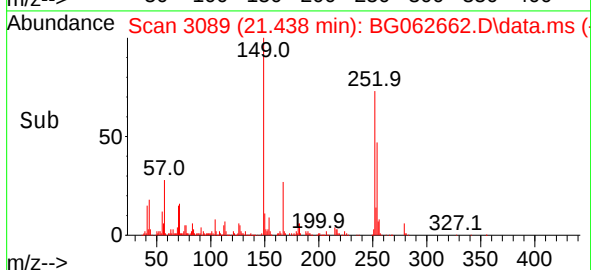
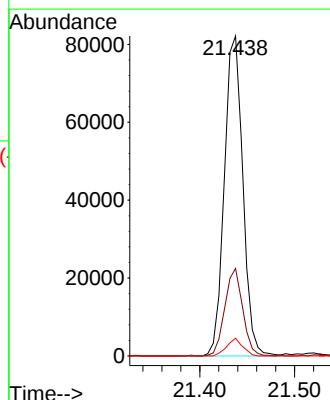
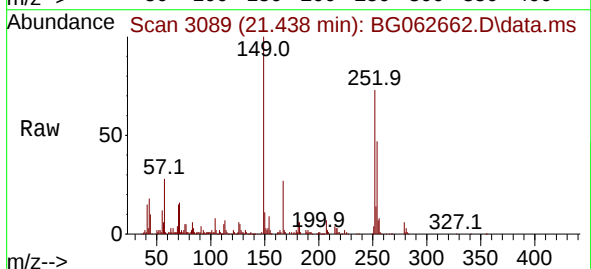
Tgt Ion:149 Resp: 111392

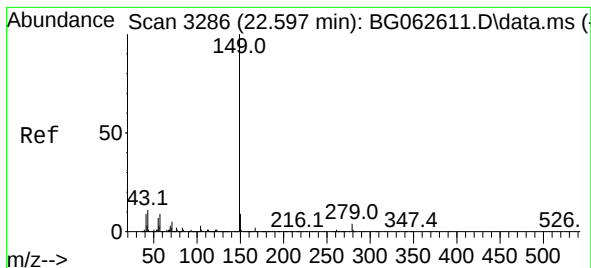
Ion Ratio Lower Upper

149 100

167 27.4 20.5 30.7

279 5.5 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 7.207 ng

RT: 22.595 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

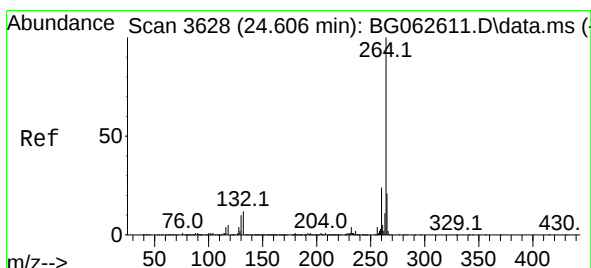
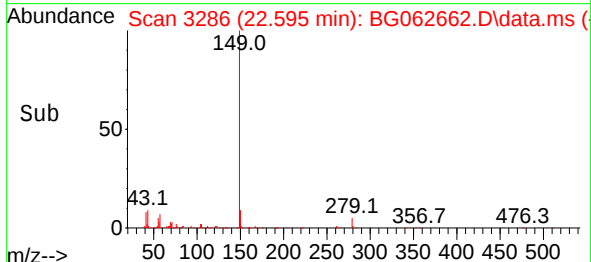
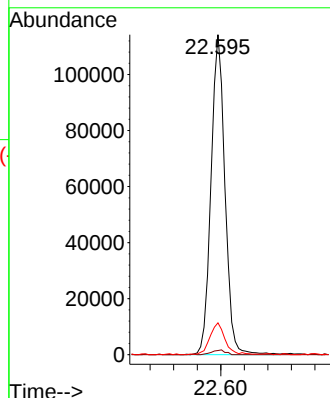
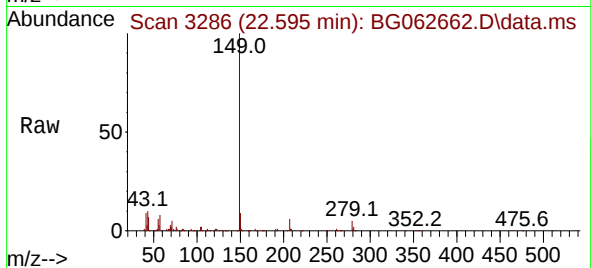
Tgt Ion:149 Resp: 187545

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

43 10.9 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.605 min Scan# 3628

Delta R.T. -0.002 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

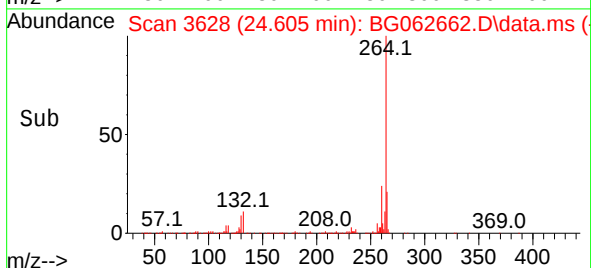
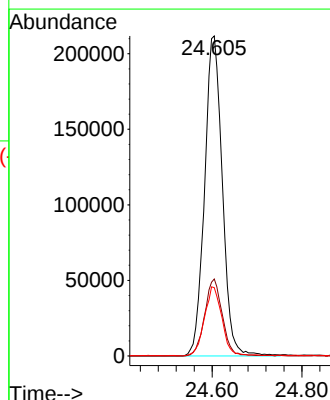
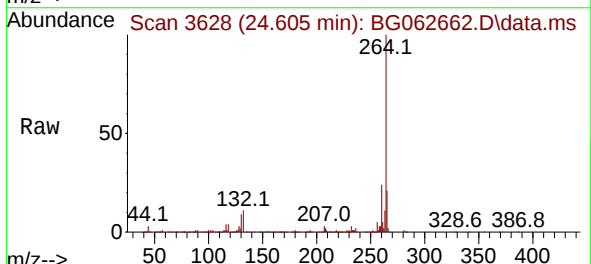
Tgt Ion:264 Resp: 581797

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.903 ng

RT: 28.065 min Scan# 41

Delta R.T. -0.008 min

Lab File: BG062662.D

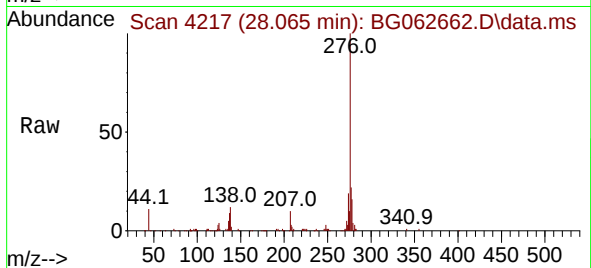
Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024



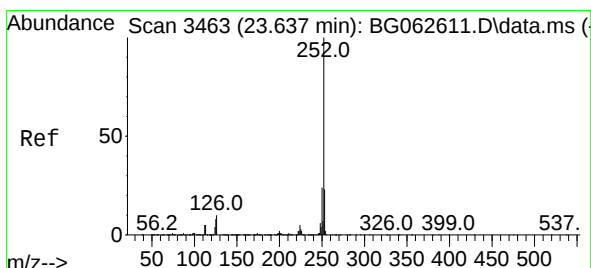
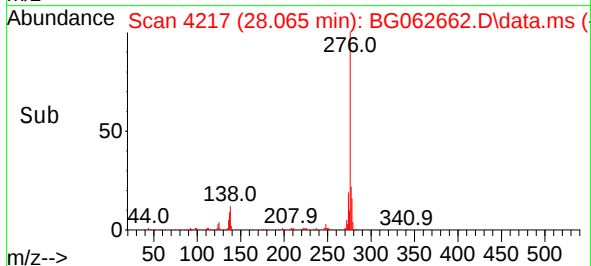
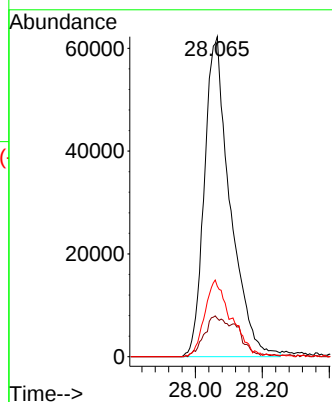
Tgt Ion:276 Resp: 332150

Ion Ratio Lower Upper

276 100

138 11.0 14.9 22.3#

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.559 ng

RT: 23.629 min Scan# 3462

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

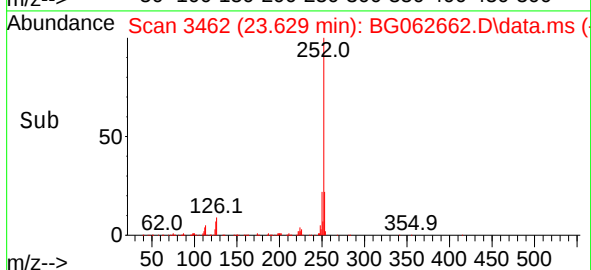
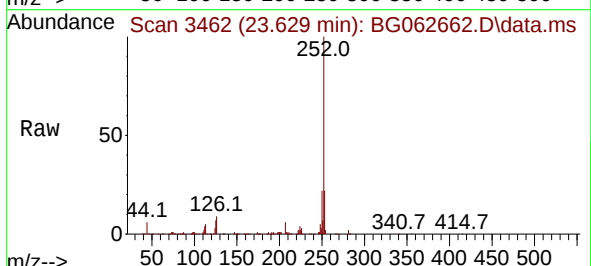
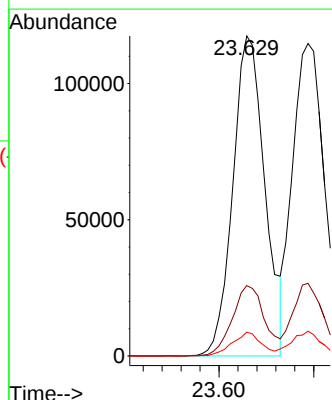
Tgt Ion:252 Resp: 275043

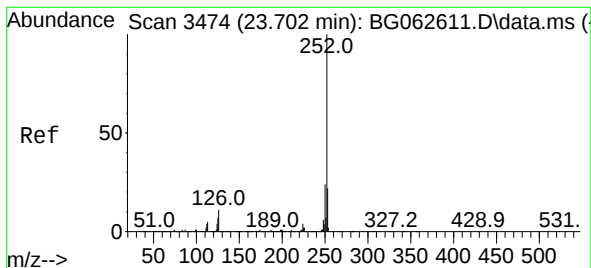
Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

125 7.5 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 8.720 ng

RT: 23.694 min Scan# 34

Delta R.T. -0.008 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

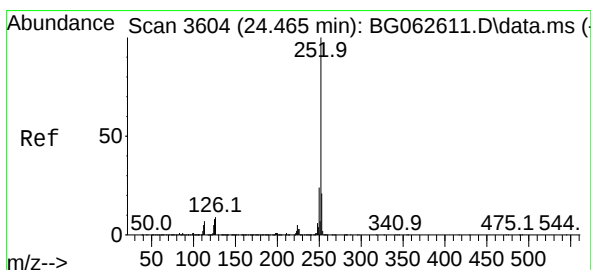
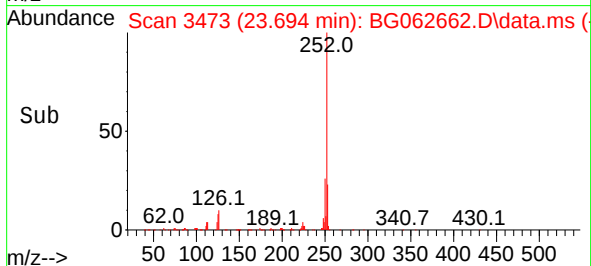
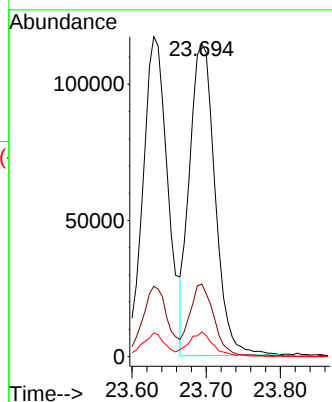
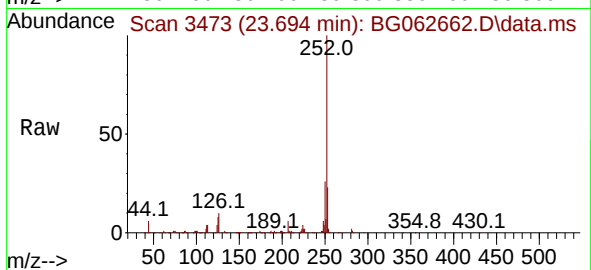
Tgt Ion:252 Resp: 274117

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 7.9 6.1 9.1



#90

Benzo(a)pyrene

Concen: 8.848 ng

RT: 24.452 min Scan# 3602

Delta R.T. -0.014 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

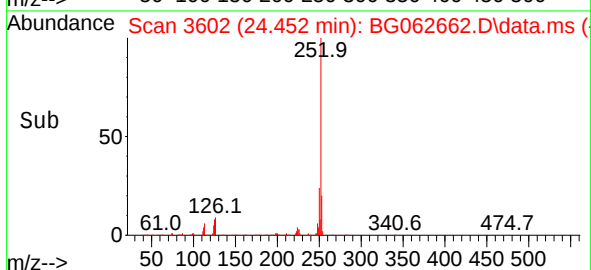
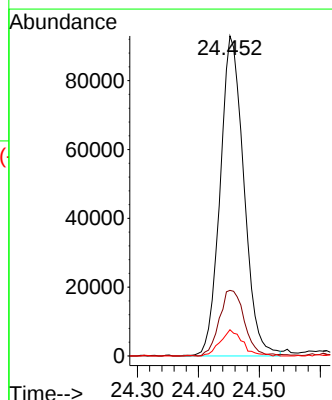
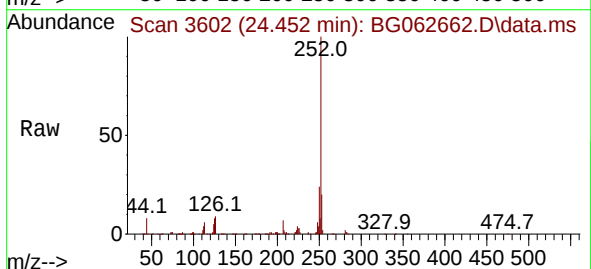
Tgt Ion:252 Resp: 251194

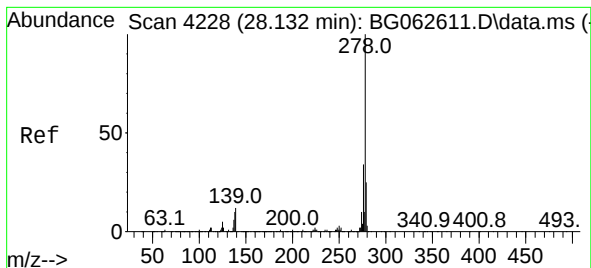
Ion Ratio Lower Upper

252 100

253 20.5 17.1 25.7

125 8.2 6.6 10.0





#91

Dibenzo(a,h)anthracene

Concen: 8.936 ng

RT: 28.118 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2024

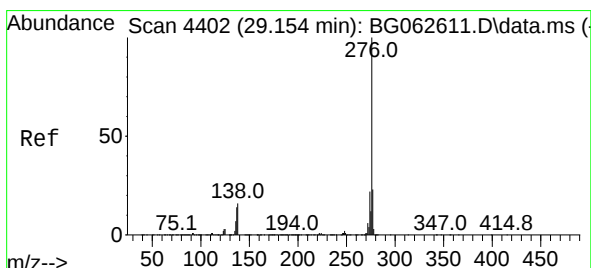
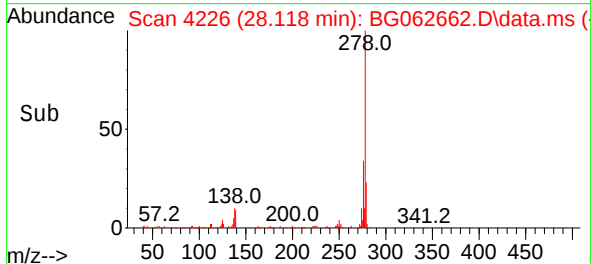
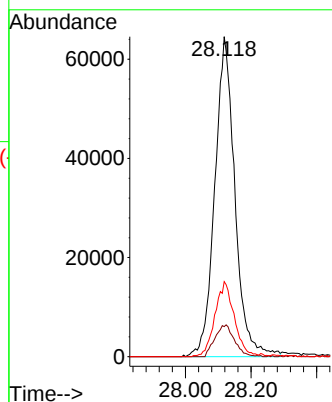
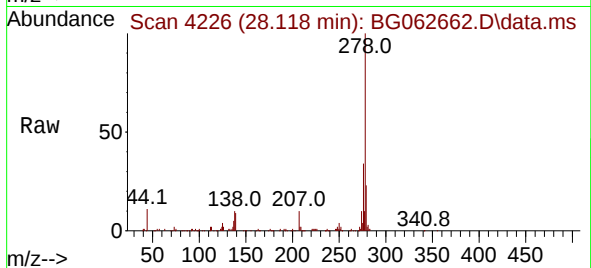
Tgt Ion:278 Resp: 274607

Ion Ratio Lower Upper

278 100

139 9.4 9.2 13.8

279 23.5 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 8.370 ng

RT: 29.140 min Scan# 4400

Delta R.T. -0.014 min

Lab File: BG062662.D

Acq: 5 Sep 2024 11:50

Tgt Ion:276 Resp: 259388

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 11.9 12.7 19.1#

