

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072223\
 Data File : BG058406.D
 Acq On : 22 Jul 2023 18:09
 Operator : CG/JU
 Sample : 03536-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 23 01:32:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.894	152	57790	20.000	ng/ul	0.00
20) Naphthalene-d8	10.696	136	245316	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.533	164	156501	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.283	188	333065	20.000	ng/ul	0.00
79) Chrysene-d12	21.537	240	265762	20.000	ng/ul	0.00
88) Perylene-d12	24.680	264	325106	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	3855	2.455	ng/uL	0.00
4) Pyridine-d5	3.746	84	55677	11.947	ng/ul	0.00
7) Phenol-d5	7.071	99	83391	15.211	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	54656	15.951	ng/ul	0.00
11) 2-Chlorophenol-d4	7.430	132	59741	15.568	ng/ul	0.00
15) 4-Methylphenol-d8	8.610	113	25545	6.109	ng/ul	0.00
21) Nitrobenzene-d5	9.057	128	33710	18.333	ng/ul	0.00
24) 2-Nitrophenol-d4	9.780	143	31729	15.806	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	62204	16.164	ng/ul	0.00
31) 4-Chloroaniline-d4	10.849	131	5449	0.977	ng/ul	0.01
46) Dimethylphthalate-d6	13.940	166	208787	17.301	ng/ul	0.00
49) Acenaphthylene-d8	14.227	160	231973	18.342	ng/ul	0.00
54) 4-Nitrophenol-d4	14.750	143	13570	7.446	ng/ul	0.01
60) Fluorene-d10	15.526	176	186928	18.709	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	3798	2.238	ng/ul	0.00
73) Anthracene-d10	17.377	188	261152	18.147	ng/ul	0.00
81) Pyrene-d10	19.668	212	248629	15.839	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.457	264	164992	10.500	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	11503	6.459	ng/uL#	88
5) Pyridine	3.781	79	8108	1.647	ng/ul#	66
6) Benzaldehyde	7.036	77	69524	31.402	ng/ul	97
8) Phenol	7.095	94	99571	17.490	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.318	93	72444	16.610	ng/ul	97
12) 2-Chlorophenol	7.465	128	65943	16.416	ng/ul	99
13) 2-Methylphenol	8.346	108	25270	5.695	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.422	45	119821	16.764	ng/ul	98
16) Acetophenone	8.716	105	173447	24.356	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.693	70	65681	16.852	ng/ul	98
18) 4-Methylphenol	8.675	108	44868	9.305	ng/ul	93
19) Hexachloroethane	8.975	117	18710	11.817	ng/ul	96
22) Nitrobenzene	9.098	77	88595	18.067	ng/ul	98
23) Isophorone	9.615	82	177459	16.142	ng/ul	100
25) 2-Nitrophenol	9.815	139	38724	18.060	ng/ul	90
26) 2,4-Dimethylphenol	9.880	107	5201	1.088	ng/ul#	82
27) Bis(2-Chloroethoxy)met...	10.103	93	102954	17.682	ng/ul	98
29) 2,4-Dichlorophenol	10.355	162	65177	17.845	ng/ul	96
30) Naphthalene	10.749	128	244628	18.656	ng/ul	99
32) 4-Chloroaniline	10.867	127	6773	1.188	ng/ul#	59
33) Hexachlorobutadiene	11.025	225	49310	18.880	ng/ul	96
34) Caprolactam	11.625	113	20001	13.185	ng/ul	99
35) 4-Chloro-3-methylphenol	11.995	107	61129	13.151	ng/ul	95
36) 2-Methylnaphthalene	12.359	142	162535	18.501	ng/ul	96

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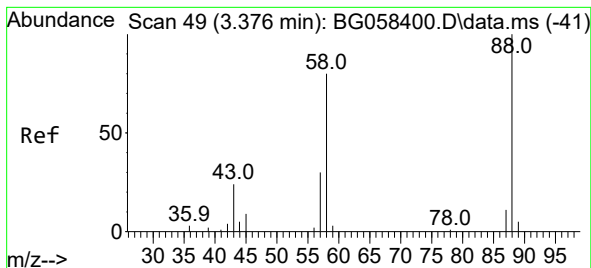
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.576	142	163778	18.190	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.729	216	90051	19.877	ng/ul	99
40) Hexachlorocyclopentadiene	12.700	237	15180	6.230	ng/ul	97
41) 2,4,6-Trichlorophenol	12.970	196	56302	18.358	ng/ul	99
42) 2,4,5-Trichlorophenol	13.046	196	64395	19.691	ng/ul	98
43) 1,1'-Biphenyl	13.370	154	215407	20.355	ng/ul	98
44) 2-Chloronaphthalene	13.411	162	172793	20.536	ng/ul	97
45) 2-Nitroaniline	13.616	65	53717	18.380	ng/ul	97
47) Dimethylphthalate	13.987	163	223353	18.426	ng/ul	100
48) 2,6-Dinitrotoluene	14.110	165	45034	19.225	ng/ul	97
50) Acenaphthylene	14.257	152	259085	18.978	ng/ul	100
51) 3-Nitroaniline	14.445	138	15922	8.156	ng/ul#	99
52) Acenaphthene	14.598	153	188008	19.836	ng/ul	99
53) 2,4-Dinitrophenol	14.656	184	3498	2.806	ng/ul#	83
55) 4-Nitrophenol	14.762	109	23332	16.623	ng/ul#	87
56) Dibenzofuran	14.932	168	265931	19.704	ng/ul	100
57) 2,4-Dinitrotoluene	14.903	165	63575	18.817	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.162	232	52660	17.429	ng/ul#	99
59) Diethylphthalate	15.344	149	226559	18.142	ng/ul	99
61) Fluorene	15.585	166	215113	19.436	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.573	204	114432	19.476	ng/ul	98
63) 4-Nitroaniline	15.602	138	19783	11.200	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.667	198	7729	4.427	ng/ul#	87
67) N-Nitrosodiphenylamine	15.790	169	145740	17.652	ng/ul	99
68) 4-Bromophenyl-phenylether	16.466	248	75253	21.331	ng/ul	96
69) Hexachlorobenzene	16.589	284	56092	14.091	ng/ul	98
70) Atrazine	16.736	200	67198	20.760	ng/ul	97
71) Pentachlorophenol	16.936	266	35315	15.805	ng/ul	93
72) Phenanthrene	17.324	178	329007	20.786	ng/ul	99
74) Anthracene	17.412	178	299691	18.860	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.334	216	85823	20.543	ng/ul	97
76) Pentachlorobenzene	14.856	250	83225	18.217	ng/ul	97
77) Carbazole	17.682	167	225037	16.338	ng/ul	98
78) Di-n-butylphthalate	18.234	149	385561	22.029	ng/ul	99
80) Fluoranthene	19.339	202	377237	20.978	ng/ul	99
82) Pyrene	19.697	202	282591	15.510	ng/ul	99
83) Butylbenzylphthalate	20.579	149	168311	23.459	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.437	252	7089	1.195	ng/ul#	94
85) Benzo(a)anthracene	21.519	228	366473	20.516	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.413	149	264202	25.890	ng/ul	99
87) Chrysene	21.578	228	347393	20.503	ng/ul	100
89) Di-n-octyl phthalate	22.588	149	416967	24.105	ng/ul	100
90) Benzo(b)fluoranthene	23.740	252	364970	19.403	ng/ul	99
91) Benzo(k)fluoranthene	23.740	252	365475	19.481	ng/ul	99
93) Benzo(a)pyrene	24.527	252	147302	8.804	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.258	276	303369	13.762	ng/ul	97
95) Dibenzo(a,h)anthracene	28.311	278	366371	20.269	ng/ul	98

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

BNA M

ClientSampleId :

[illegible]



#2

1,4-Dioxane

Concen: 6.459 ng/uL

RT: 3.375 min Scan# 49

Delta R.T. 0.000 min

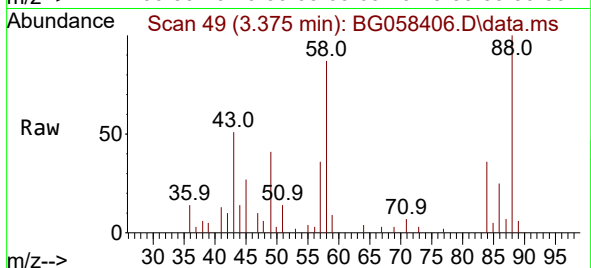
Lab File: BG058406.D

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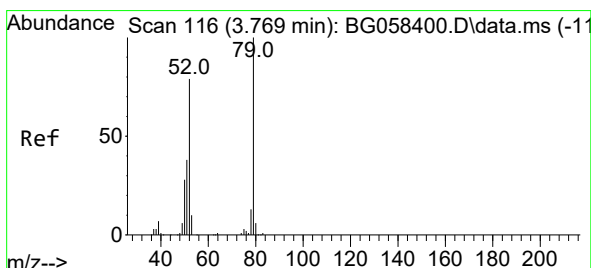
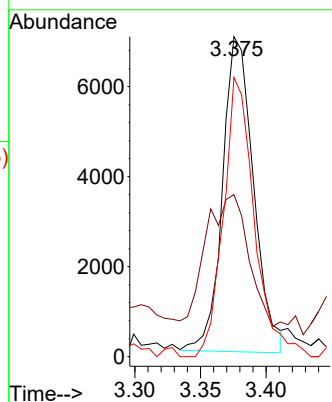
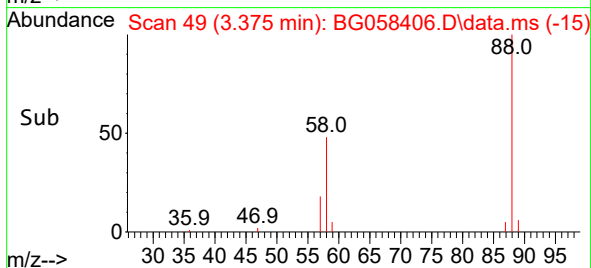
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	88	Resp:	11503
Ion Ratio	Lower	Upper	
88	100		
43	50.7	19.6	29.4#
58	87.3	70.2	105.4



#5

Pyridine

Concen: 1.647 ng/uL

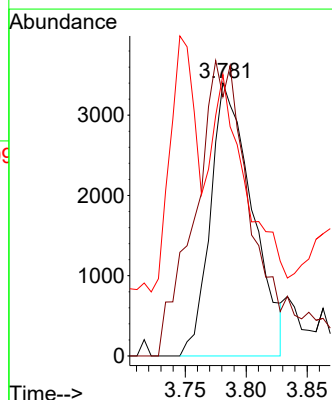
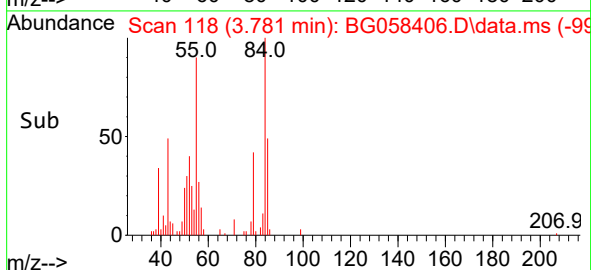
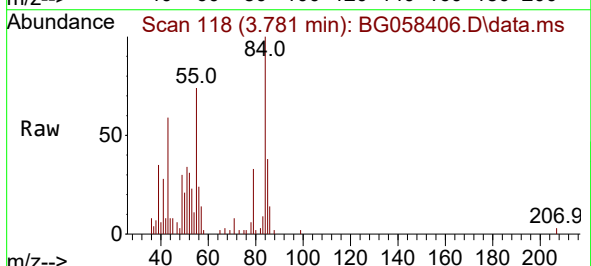
RT: 3.781 min Scan# 118

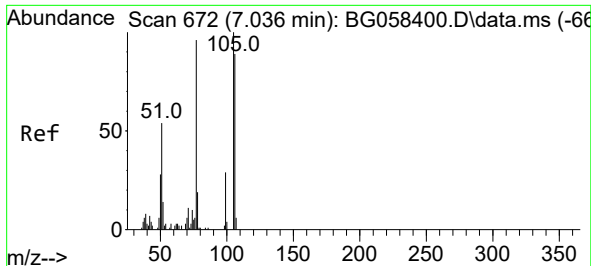
Delta R.T. 0.012 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Tgt Ion:	79	Resp:	8108
Ion Ratio	Lower	Upper	
79	100		
52	94.9	72.3	108.5
51	103.1	33.4	50.0#

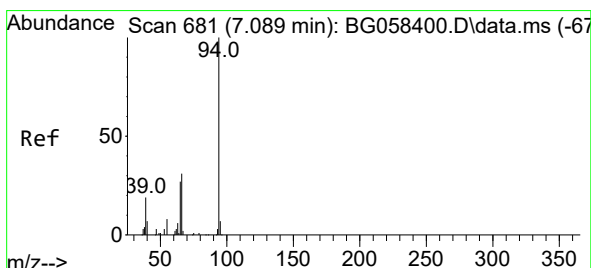
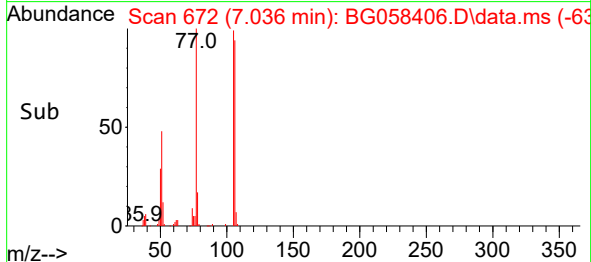
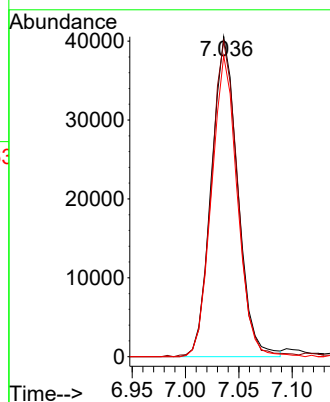
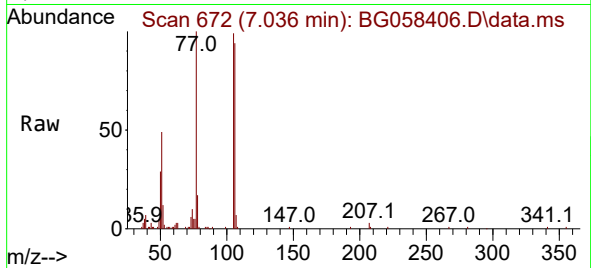




#6
Benzaldehyde
Concen: 31.402 ng/ul
RT: 7.036 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

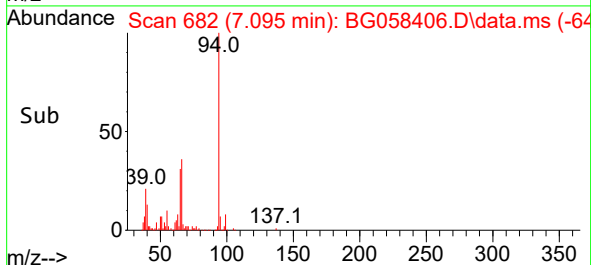
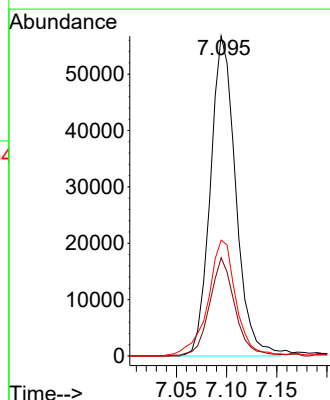
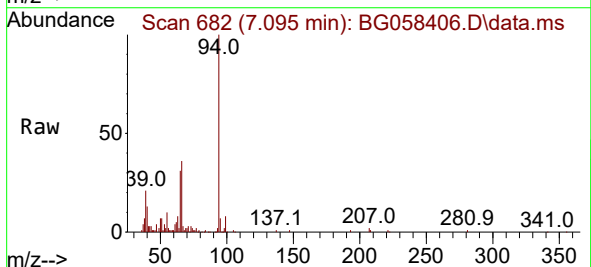
Instrument :
BNA_M
ClientSampleId :

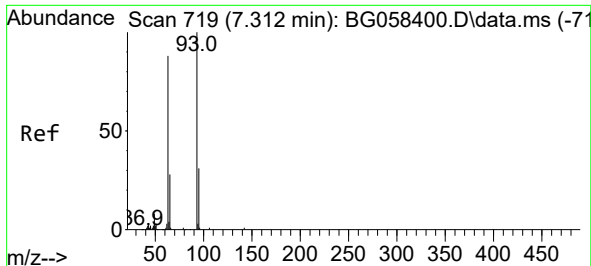
Tgt Ion: 77 Resp: 69524
Ion Ratio Lower Upper
77 100
105 98.6 78.2 117.4
106 94.0 71.6 107.4



#8
Phenol
Concen: 17.490 ng/ul
RT: 7.095 min Scan# 682
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion: 94 Resp: 99571
Ion Ratio Lower Upper
94 100
65 30.7 23.8 35.8
66 36.2 31.2 46.8



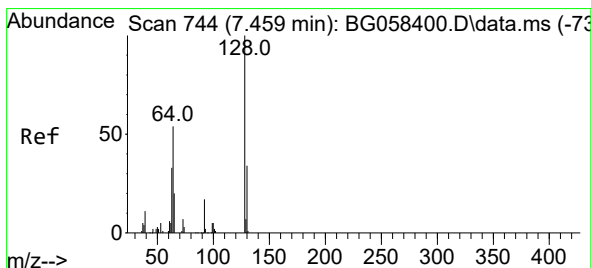
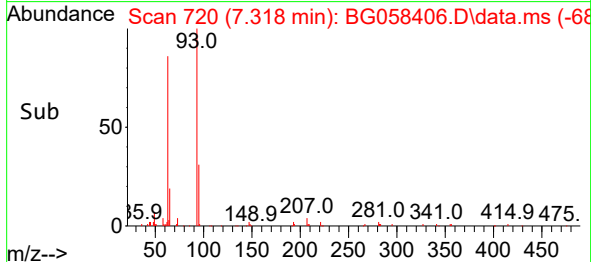
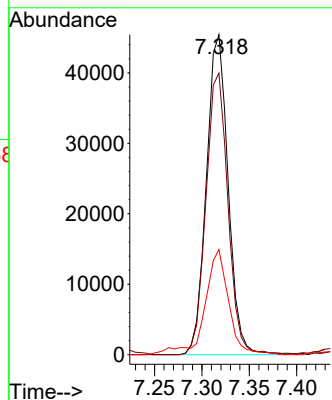
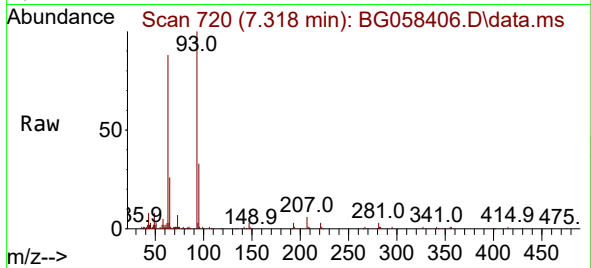


#10
 Bis(2-Chloroethyl)ether
 Concen: 16.610 ng/ul
 RT: 7.318 min Scan# 719
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 93 Resp: 72444

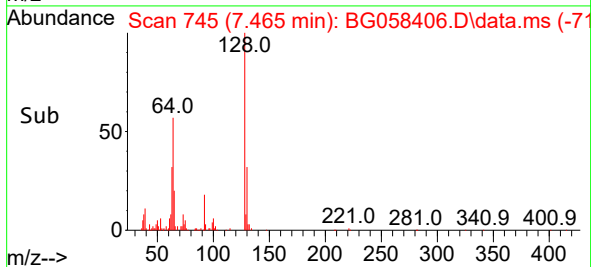
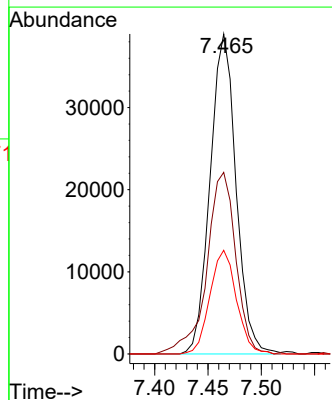
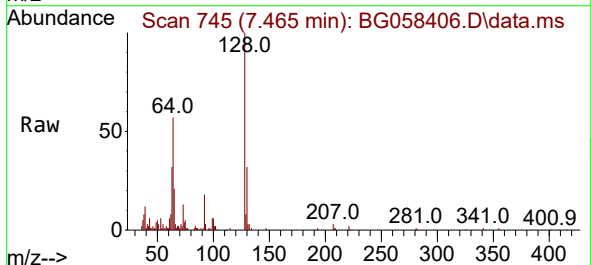
Ion	Ratio	Lower	Upper
93	100		
63	88.0	67.7	101.5
95	32.9	27.0	40.6

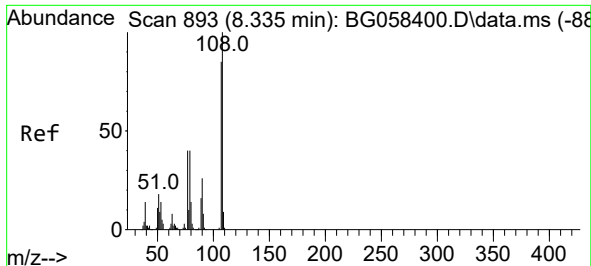


#12
 2-Chlorophenol
 Concen: 16.416 ng/ul
 RT: 7.465 min Scan# 745
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Tgt Ion: 128 Resp: 65943

Ion	Ratio	Lower	Upper
128	100		
64	56.7	45.6	68.4
130	32.4	25.2	37.8

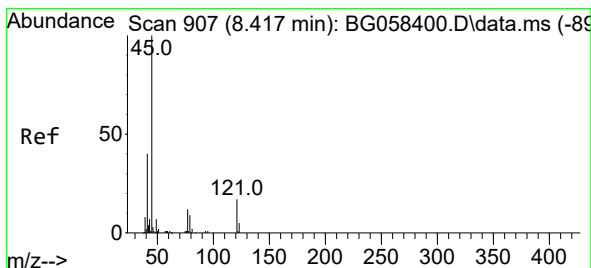
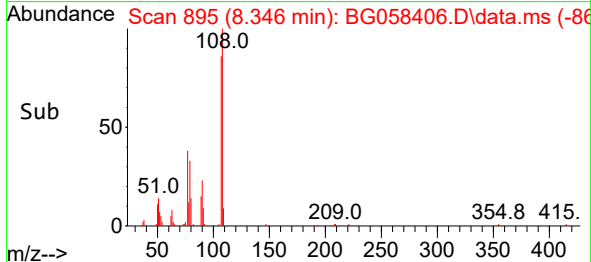
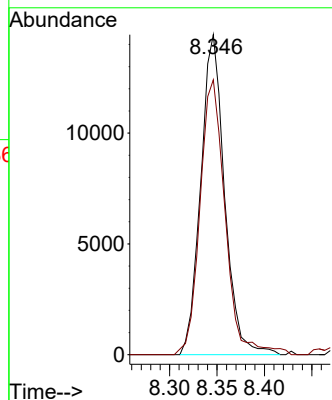
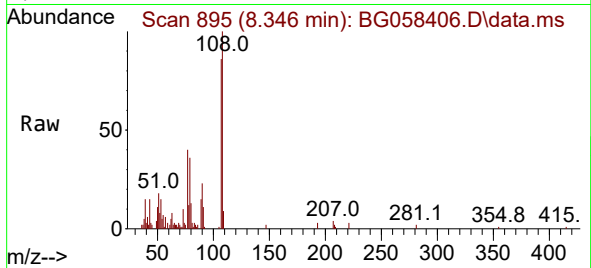




#13
2-Methylphenol
Concen: 5.695 ng/ul
RT: 8.346 min Scan# 893
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

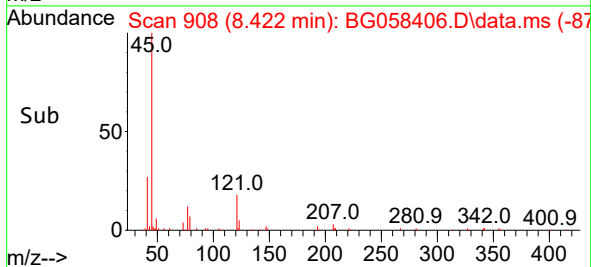
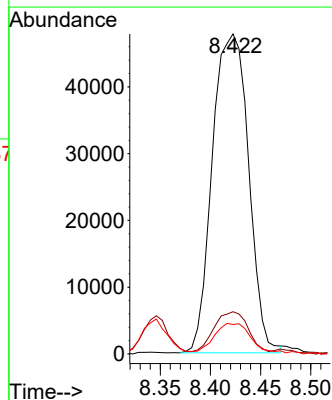
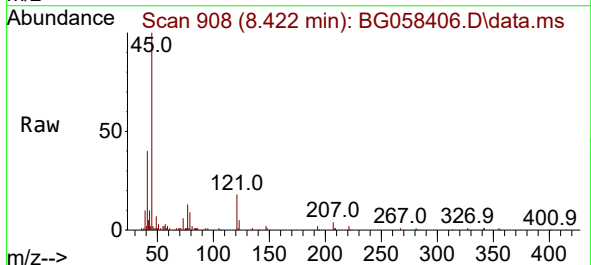
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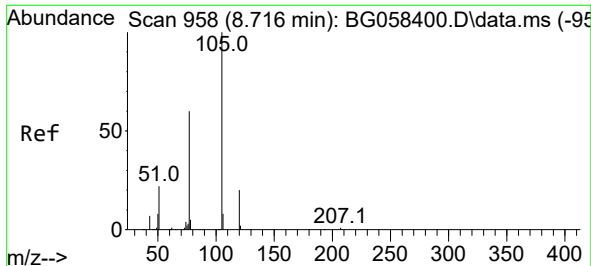
Tgt Ion:108 Resp: 25270
Ion Ratio Lower Upper
108 100
107 85.9 71.5 107.3



#14
2,2'-oxybis(1-Chloropropane)
Concen: 16.764 ng/ul
RT: 8.422 min Scan# 908
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion: 45 Resp: 119821
Ion Ratio Lower Upper
45 100
77 13.2 9.4 14.2
79 9.2 7.4 11.2

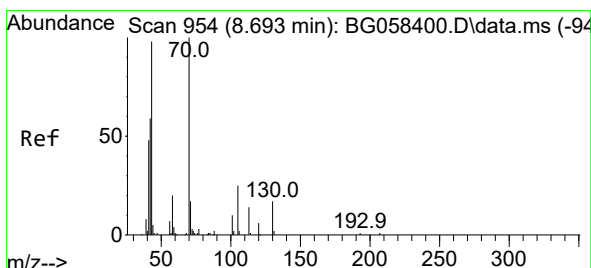
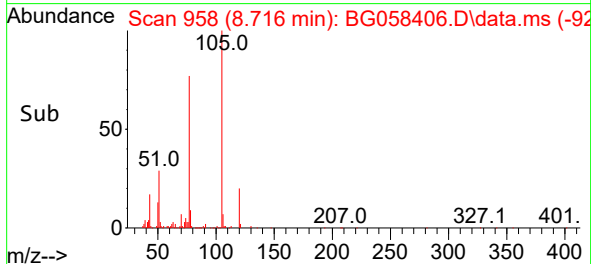
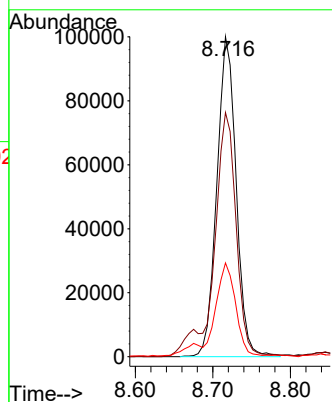
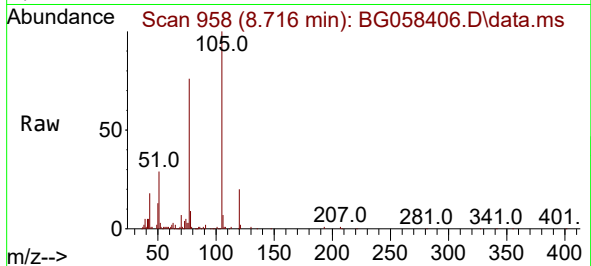




#16
Acetophenone
Concen: 24.356 ng/ul
RT: 8.716 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

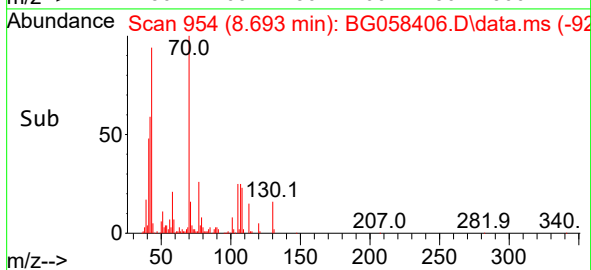
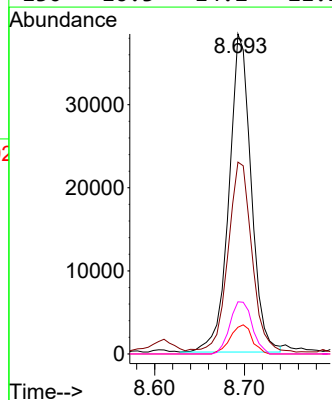
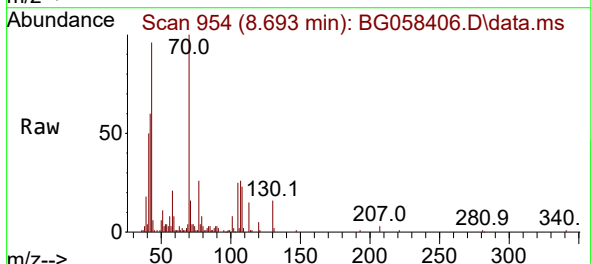
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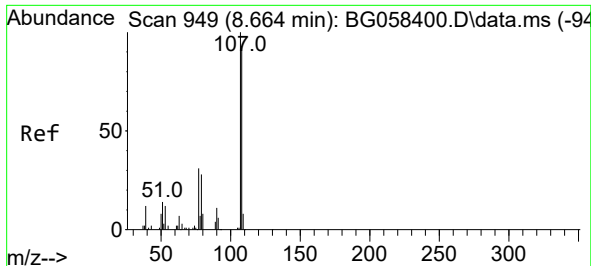
Tgt Ion:105 Resp: 173447
Ion Ratio Lower Upper
105 100
77 76.3 60.7 91.1
51 29.3 23.5 35.3



#17
N-Nitroso-di-n-propylamine
Concen: 16.852 ng/ul
RT: 8.693 min Scan# 954
Delta R.T. -0.011 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion: 70 Resp: 65681
Ion Ratio Lower Upper
70 100
42 60.0 46.6 69.8
101 8.4 7.3 10.9
130 16.3 14.2 21.2

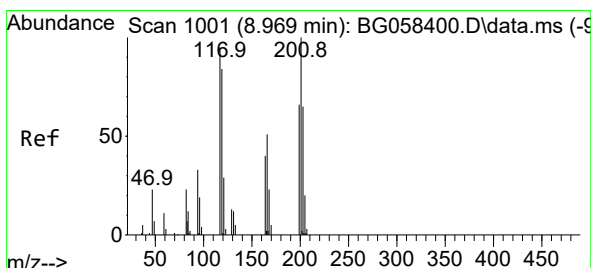
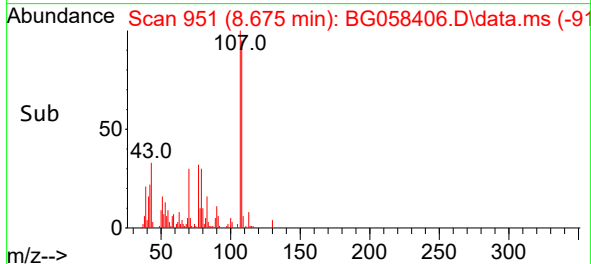
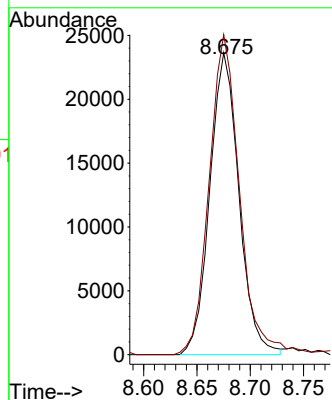
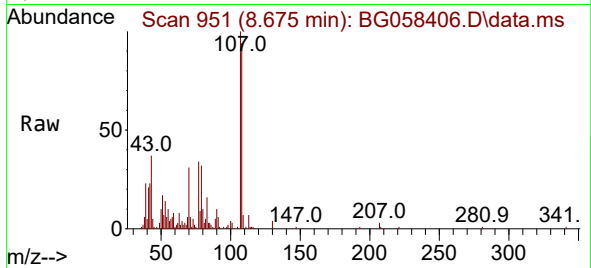




#18
4-Methylphenol
Concen: 9.305 ng/ul
RT: 8.675 min Scan# 91
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

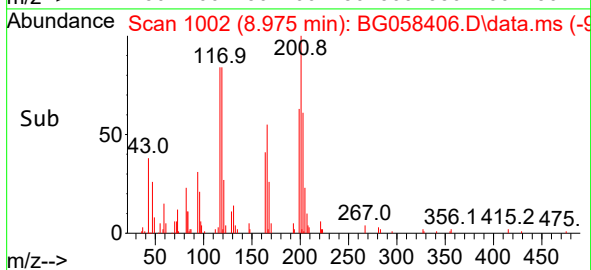
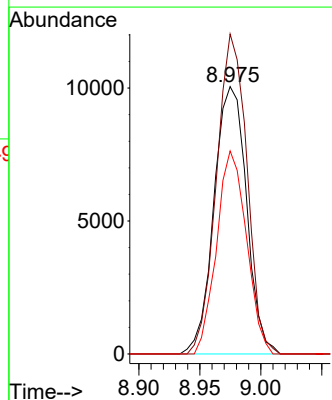
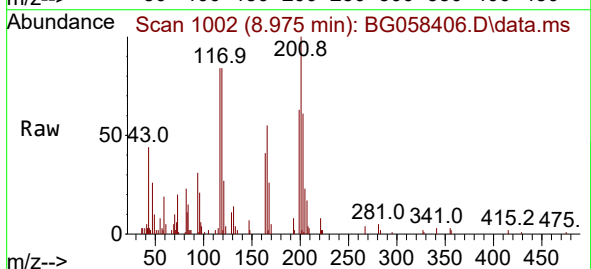
Instrument :
BNA_M
ClientSampleId :

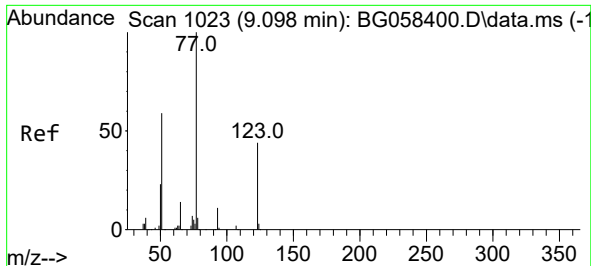
Tgt Ion:108 Resp: 44868
Ion Ratio Lower Upper
108 100
107 106.0 90.6 136.0



#19
Hexachloroethane
Concen: 11.817 ng/ul
RT: 8.975 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:117 Resp: 18710
Ion Ratio Lower Upper
117 100
201 122.3 103.6 155.4
199 76.0 60.1 90.1

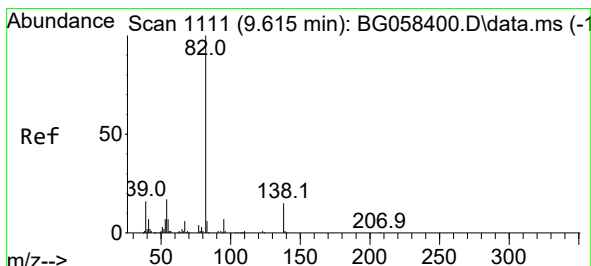
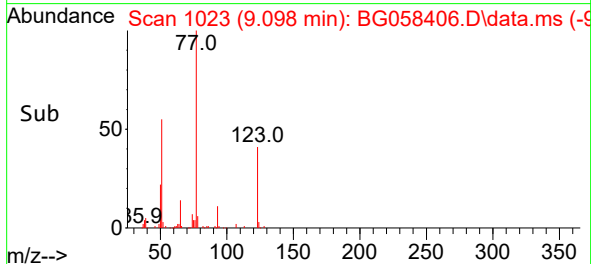
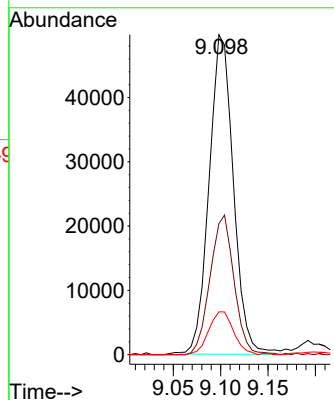
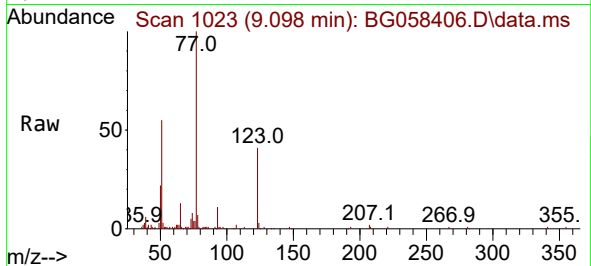




#22
Nitrobenzene
Concen: 18.067 ng/ul
RT: 9.098 min Scan# 1023
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

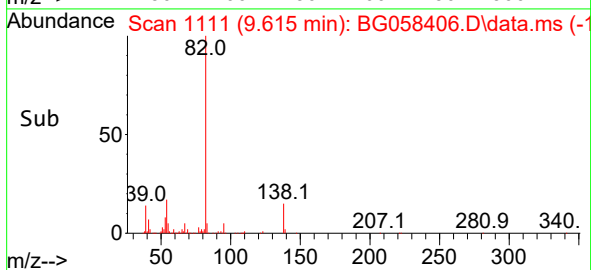
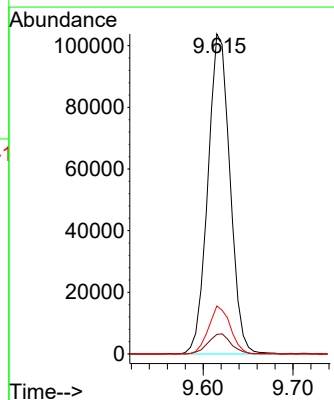
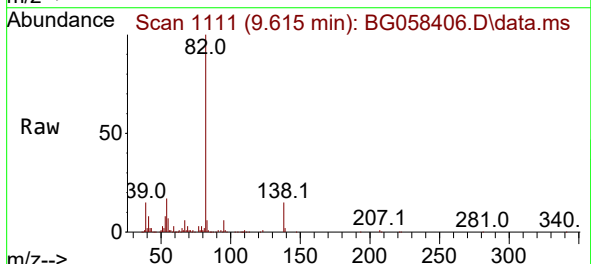
Instrument :
BNA_M
ClientSampleId :

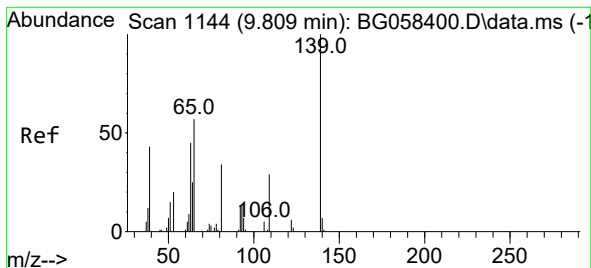
Tgt Ion: 77 Resp: 88595
Ion Ratio Lower Upper
77 100
123 41.0 34.0 51.0
65 13.4 11.0 16.6



#23
Isophorone
Concen: 16.142 ng/ul
RT: 9.615 min Scan# 1111
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion: 82 Resp: 177459
Ion Ratio Lower Upper
82 100
95 6.1 5.1 7.7
138 15.0 11.9 17.9





#25

2-Nitrophenol

Concen: 18.060 ng/ul

RT: 9.815 min Scan# 1145

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

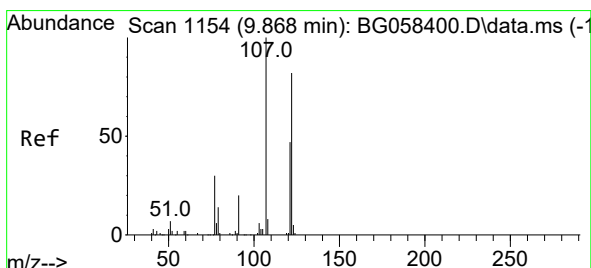
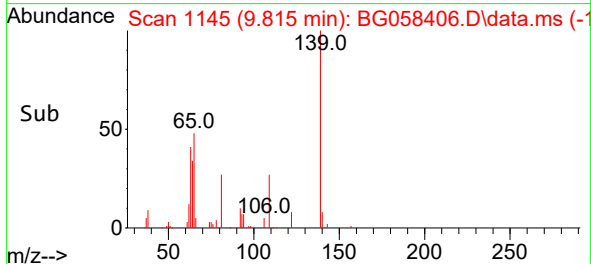
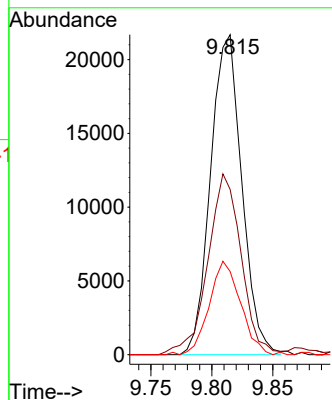
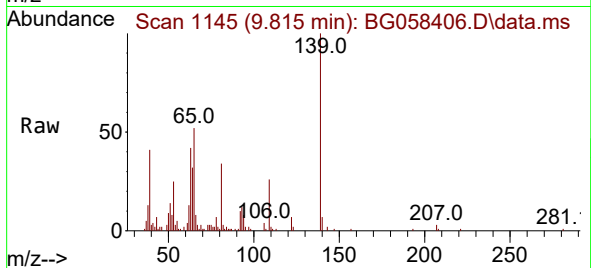
Tgt Ion:139 Resp: 38724

Ion Ratio Lower Upper

139 100

65 51.6 49.2 73.8

109 26.0 21.6 32.4



#26

2,4-Dimethylphenol

Concen: 1.088 ng/ul

RT: 9.880 min Scan# 1156

Delta R.T. 0.007 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

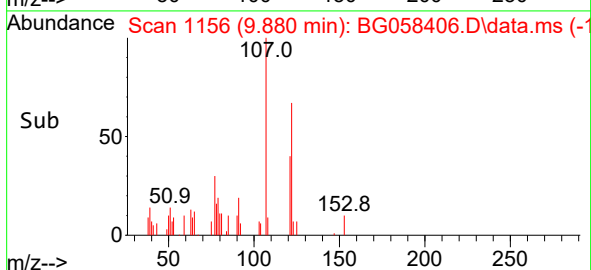
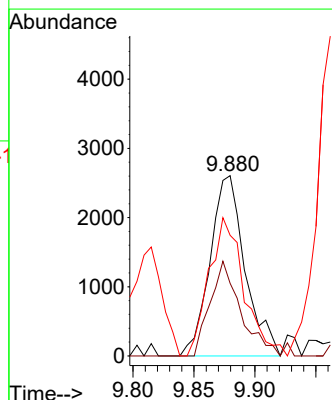
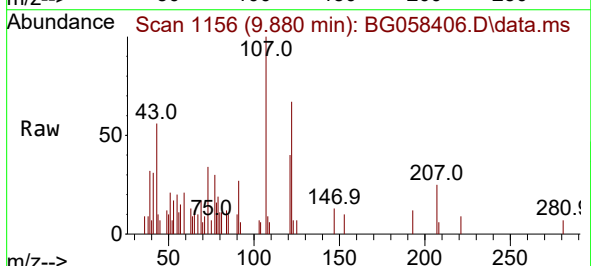
Tgt Ion:107 Resp: 5201

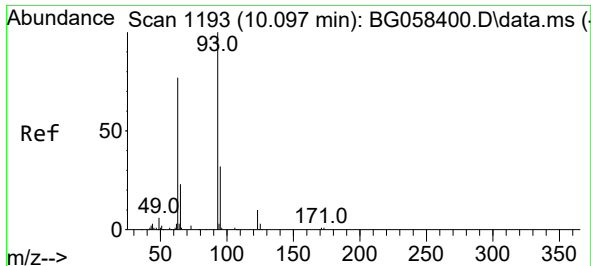
Ion Ratio Lower Upper

107 100

121 40.3 39.1 58.7

122 66.9 68.9 103.3#

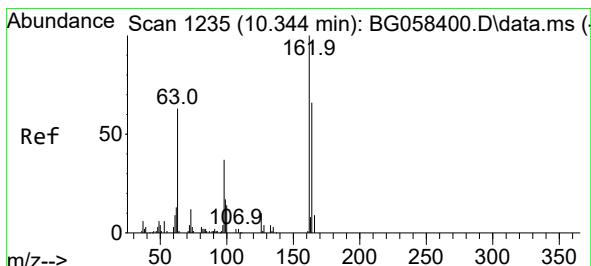
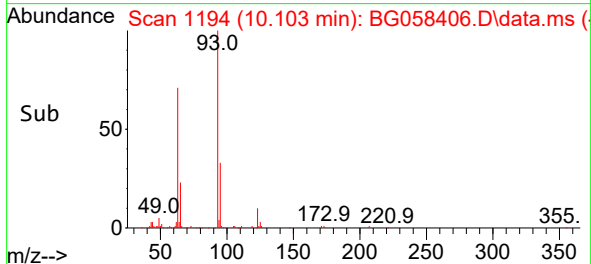
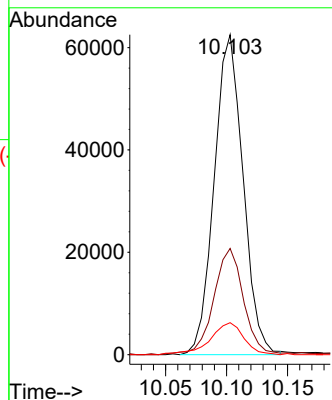
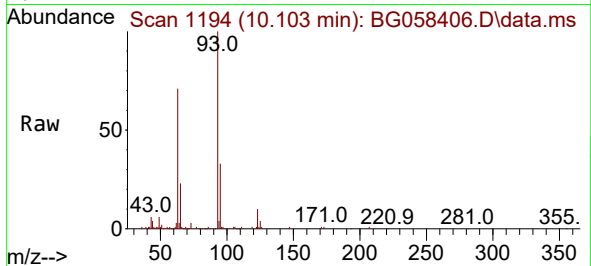




#27
 Bis(2-Chloroethoxy)methane
 Concen: 17.682 ng/ul
 RT: 10.103 min Scan# 1194
 Delta R.T. -0.005 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

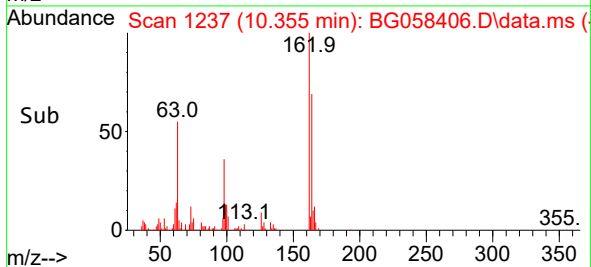
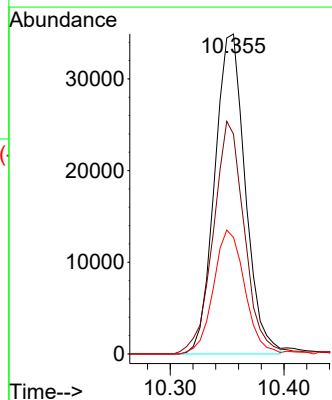
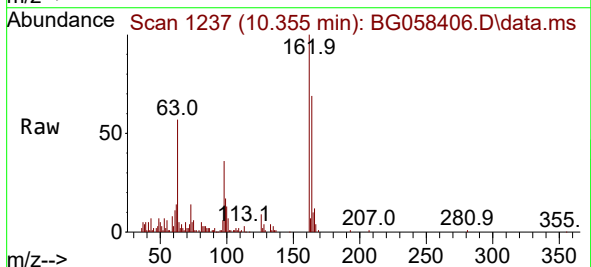
Instrument :
 BNA_M
 ClientSampleId :

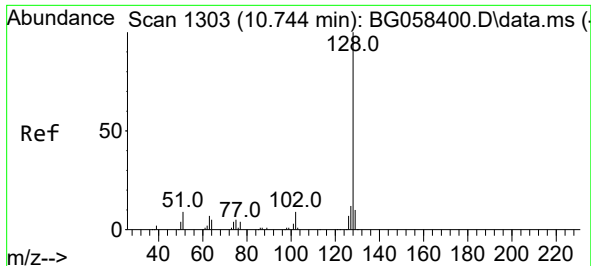
Tgt Ion: 93 Resp: 102954
 Ion Ratio Lower Upper
 93 100
 95 33.2 25.8 38.8
 123 10.0 9.3 13.9



#29
 2,4-Dichlorophenol
 Concen: 17.845 ng/ul
 RT: 10.355 min Scan# 1237
 Delta R.T. 0.007 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Tgt Ion:162 Resp: 65177
 Ion Ratio Lower Upper
 162 100
 164 68.7 58.4 87.6
 98 36.4 29.6 44.4

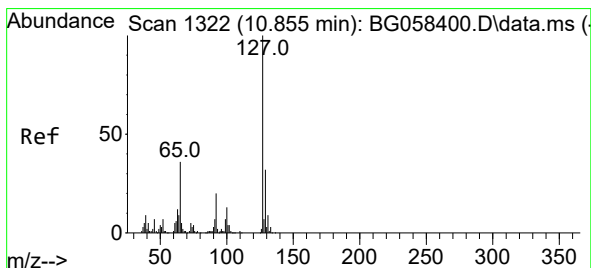
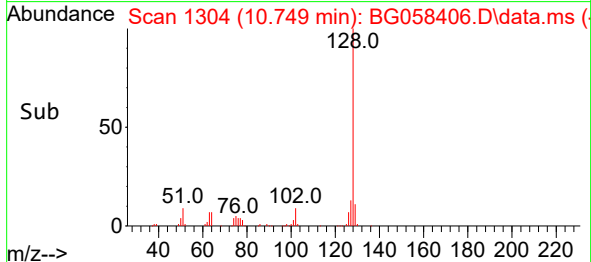
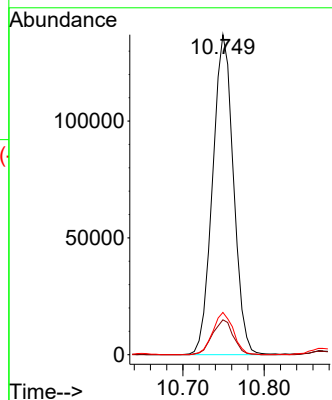
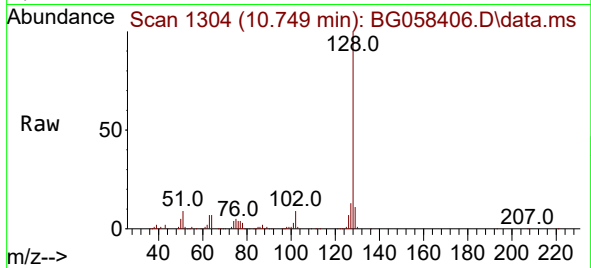




#30
Naphthalene
Concen: 18.656 ng/ul
RT: 10.749 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

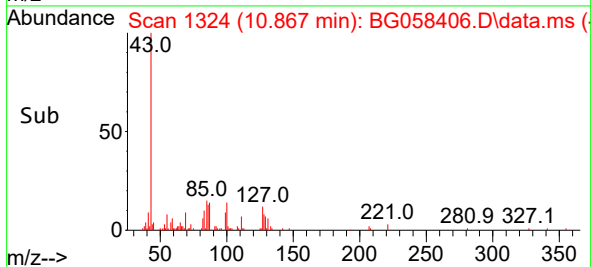
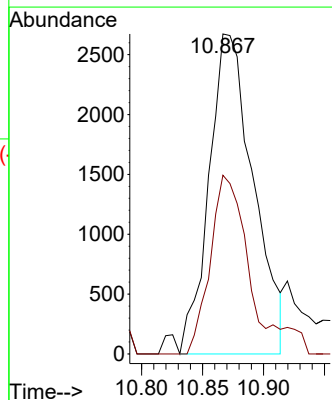
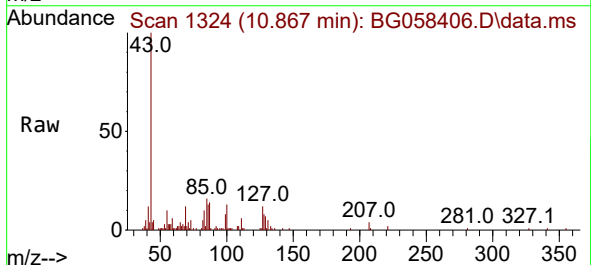
Instrument :
BNA_M
ClientSampleId :

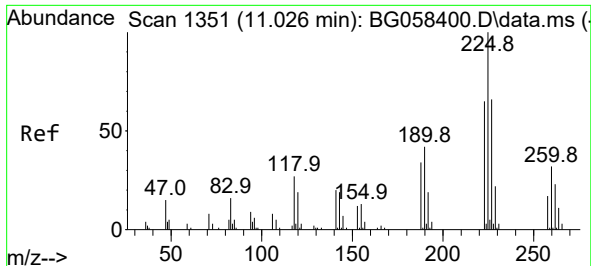
Tgt Ion:128 Resp: 244628
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.2 10.8 16.2



#32
4-Chloroaniline
Concen: 1.188 ng/ul
RT: 10.867 min Scan# 1324
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:127 Resp: 6773
Ion Ratio Lower Upper
127 100
129 55.9 26.1 39.1#

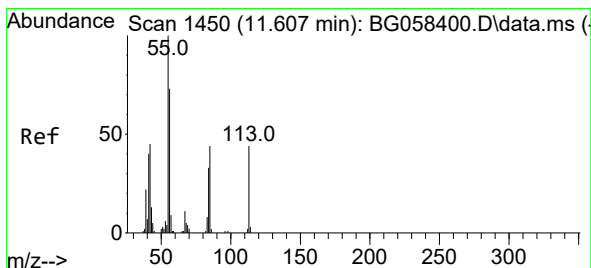
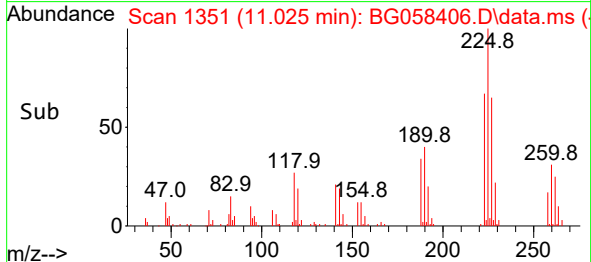
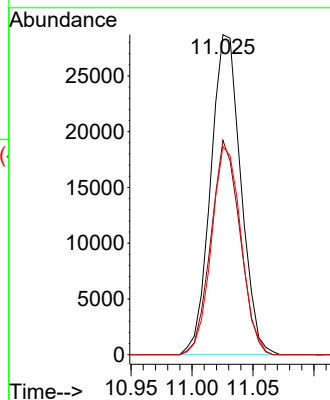
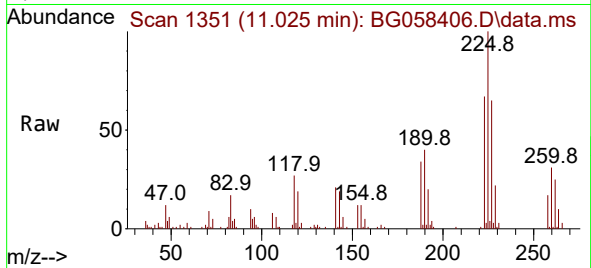




#33
Hexachlorobutadiene
Concen: 18.880 ng/ul
RT: 11.025 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

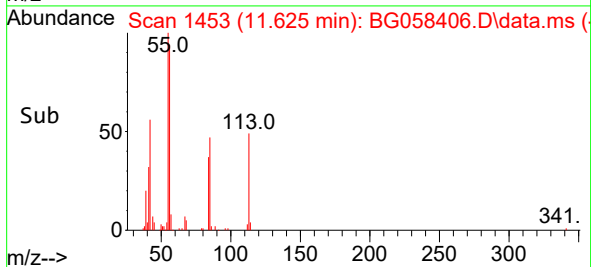
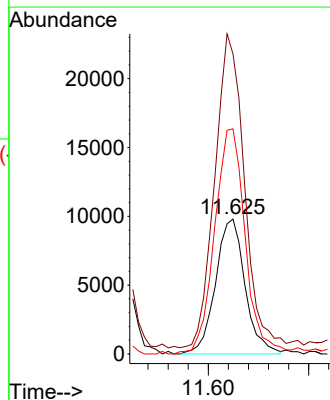
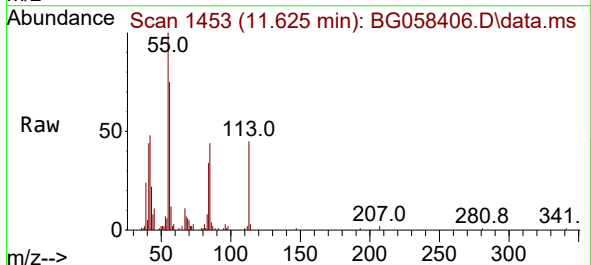
Instrument :
BNA_M
ClientSampleId :

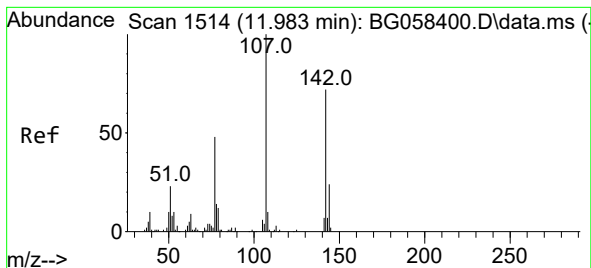
Tgt Ion:225 Resp: 49310
Ion Ratio Lower Upper
225 100
223 67.0 49.7 74.5
227 65.0 53.2 79.8



#34
Caprolactam
Concen: 13.185 ng/ul
RT: 11.625 min Scan# 1453
Delta R.T. -0.011 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:113 Resp: 20001
Ion Ratio Lower Upper
113 100
55 222.4 179.8 269.6
56 166.8 132.2 198.4

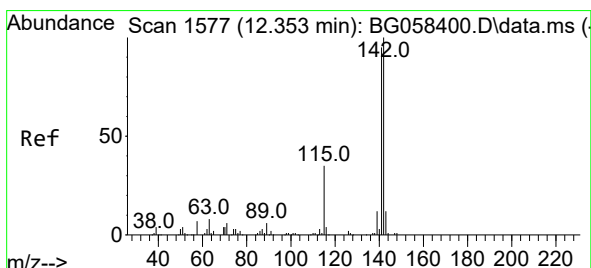
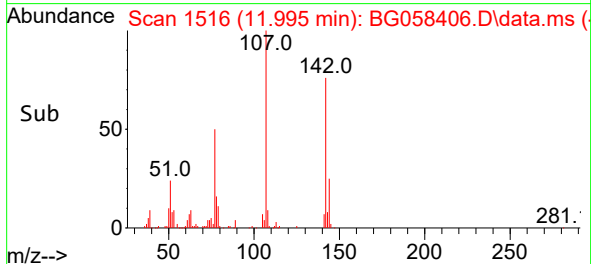
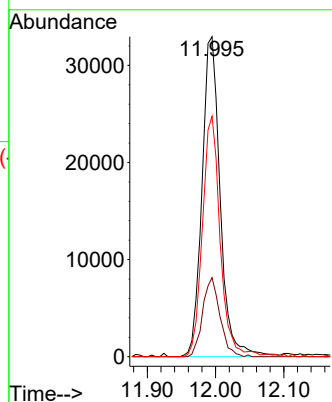
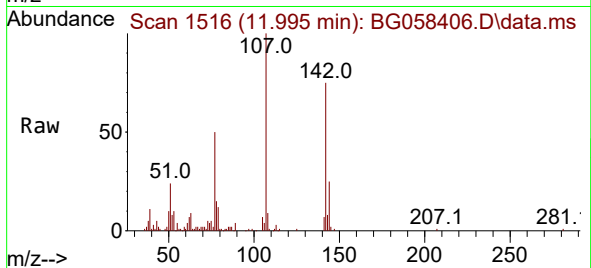




#35
4-Chloro-3-methylphenol
Concen: 13.151 ng/ul
RT: 11.995 min Scan# 1516
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

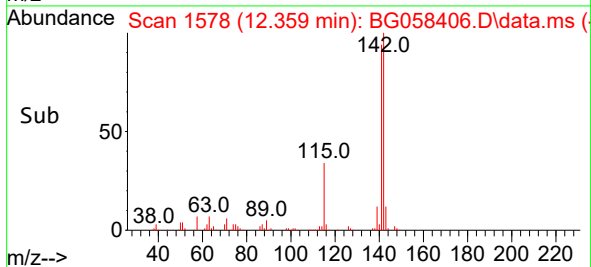
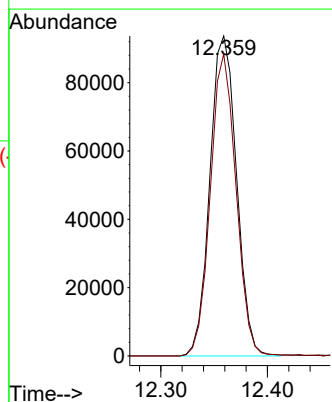
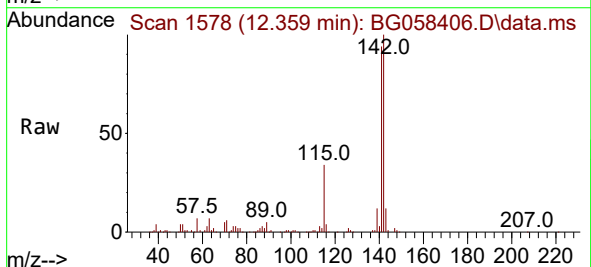
Instrument :
BNA_M
ClientSampleId :

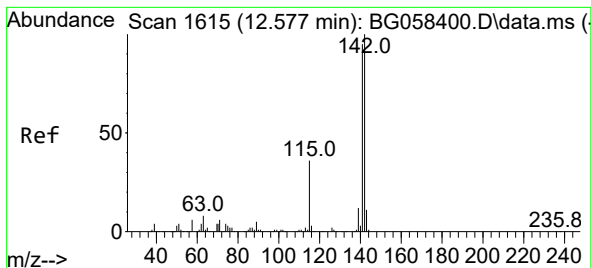
Tgt Ion:107 Resp: 61129
Ion Ratio Lower Upper
107 100
144 24.7 19.0 28.6
142 75.1 55.8 83.6



#36
2-Methylnaphthalene
Concen: 18.501 ng/ul
RT: 12.359 min Scan# 1578
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:142 Resp: 162535
Ion Ratio Lower Upper
142 100
141 94.3 72.6 108.8





#37

1-Methylnaphthalene

Concen: 18.190 ng/ul

RT: 12.576 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

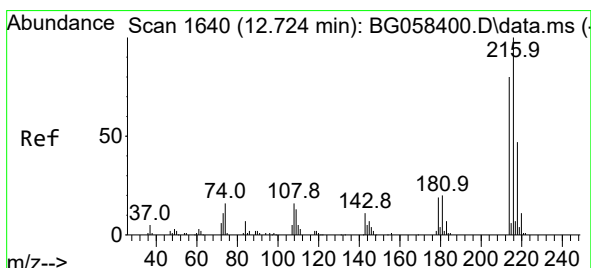
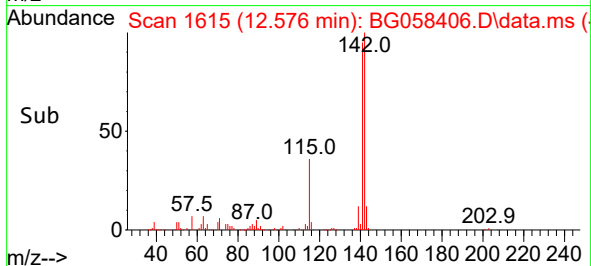
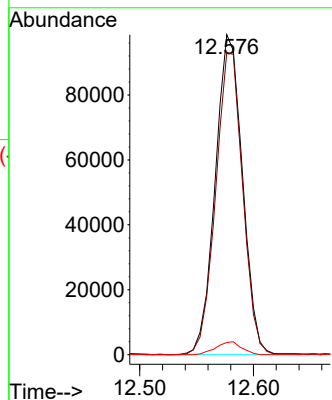
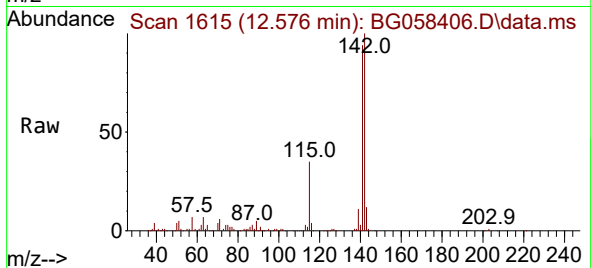
Tgt Ion:142 Resp: 163778

Ion Ratio Lower Upper

142 100

141 94.4 75.8 113.6

116 3.8 3.2 4.8



#39

1,2,4,5-Tetrachlorobenzene

Concen: 19.877 ng/ul

RT: 12.729 min Scan# 1641

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Tgt Ion:216 Resp: 90051

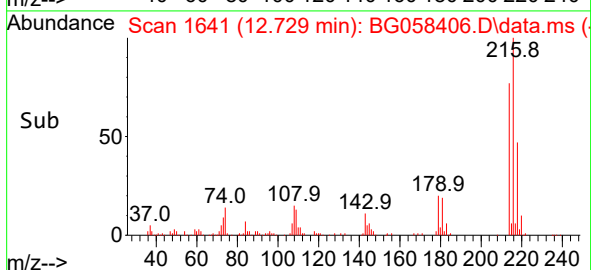
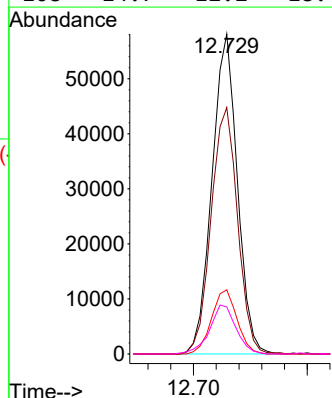
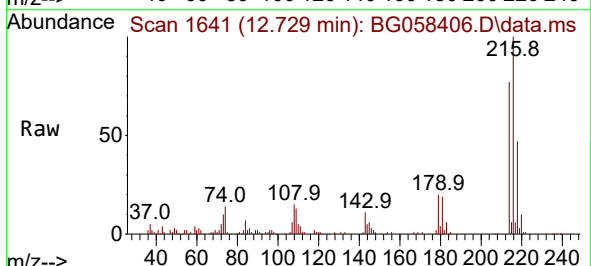
Ion Ratio Lower Upper

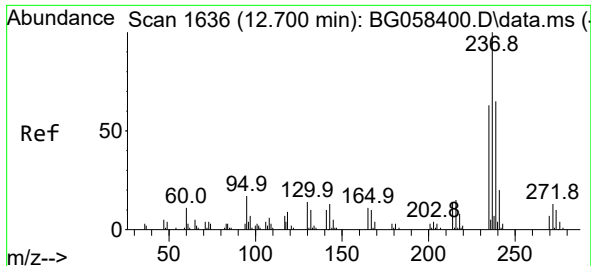
216 100

214 77.0 62.2 93.4

179 20.1 16.2 24.2

108 14.7 12.2 18.4

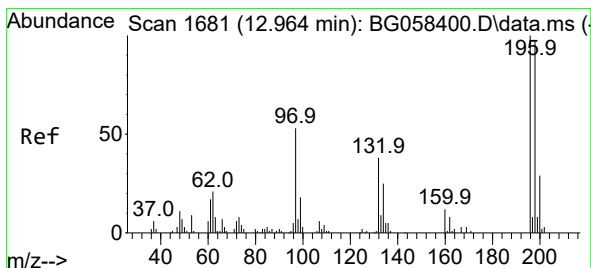
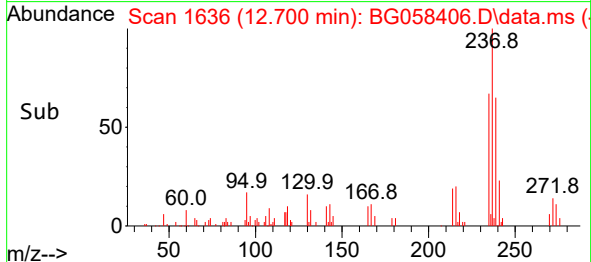
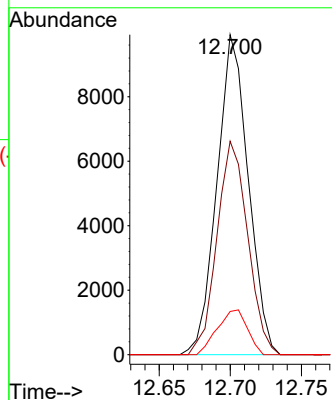
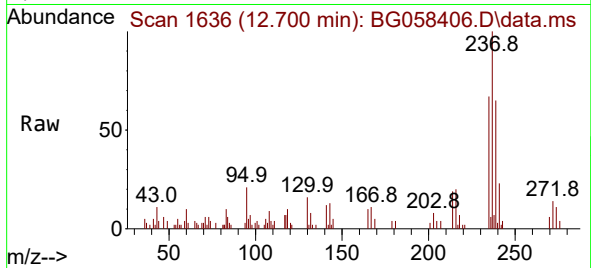




#40
Hexachlorocyclopentadiene
Concen: 6.230 ng/ul
RT: 12.700 min Scan# 1636
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

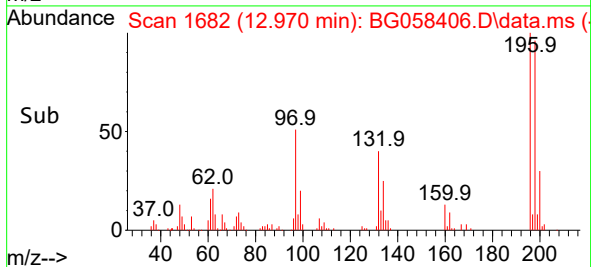
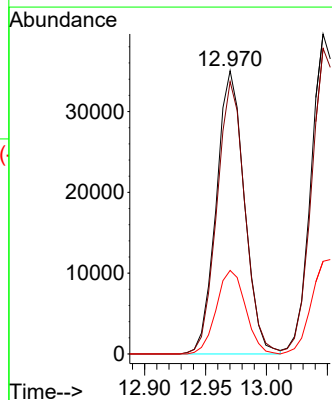
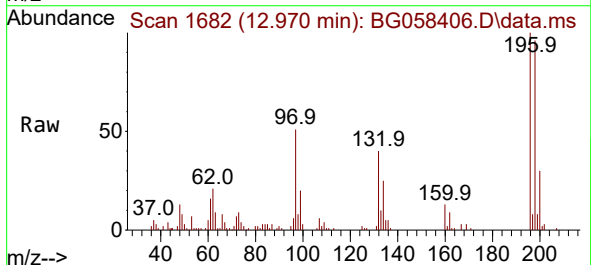
Instrument :
BNA_M
ClientSampleId :

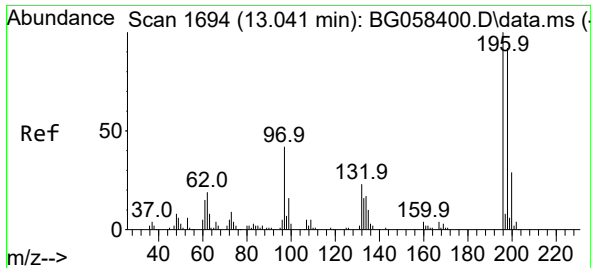
Tgt Ion:237 Resp: 15180
Ion Ratio Lower Upper
237 100
235 66.7 50.9 76.3
272 13.5 10.8 16.2



#41
2,4,6-Trichlorophenol
Concen: 18.358 ng/ul
RT: 12.970 min Scan# 1682
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:196 Resp: 56302
Ion Ratio Lower Upper
196 100
198 96.2 77.7 116.5
200 29.5 25.0 37.6

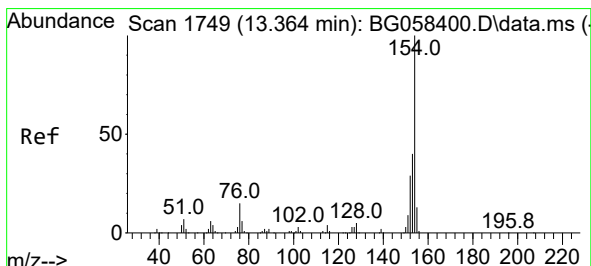
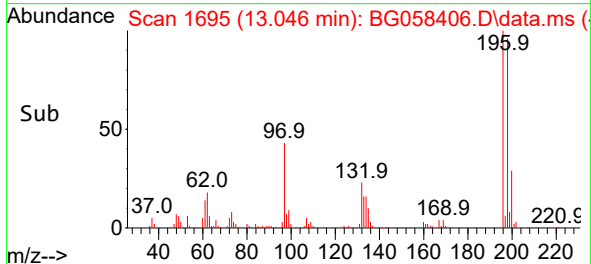
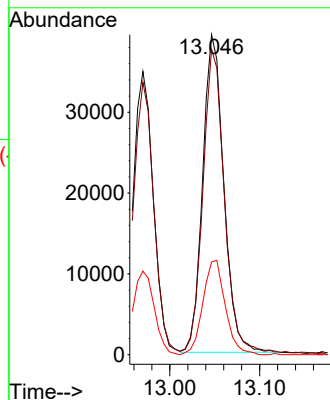
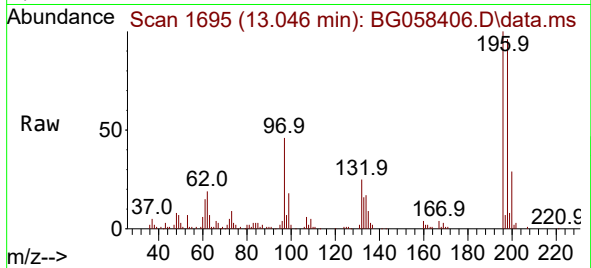




#42
2,4,5-Trichlorophenol
Concen: 19.691 ng/ul
RT: 13.046 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

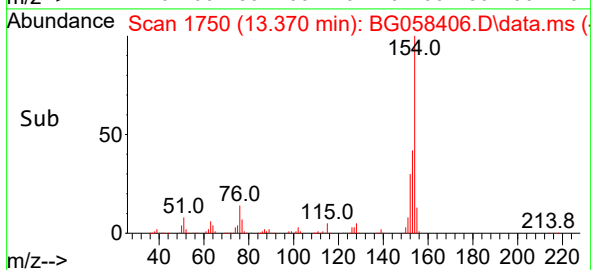
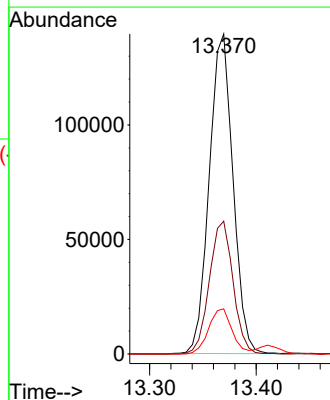
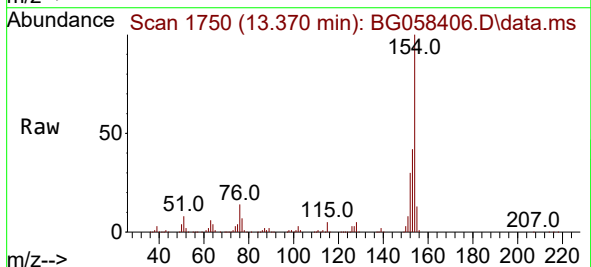
Instrument :
BNA_M
ClientSampleId :

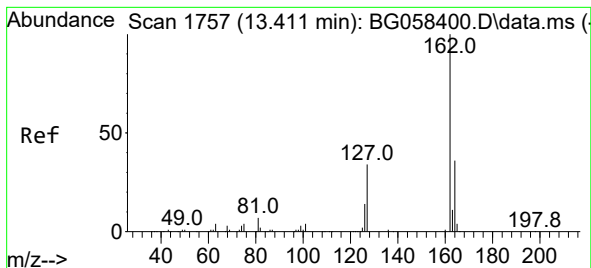
Tgt Ion:196 Resp: 64395
Ion Ratio Lower Upper
196 100
198 95.5 74.8 112.2
200 29.0 24.4 36.6



#43
1,1'-Biphenyl
Concen: 20.355 ng/ul
RT: 13.370 min Scan# 1750
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:154 Resp: 215407
Ion Ratio Lower Upper
154 100
153 41.5 31.8 47.6
76 14.1 11.7 17.5





#44

2-Chloronaphthalene

Concen: 20.536 ng/ul

RT: 13.411 min Scan# 1757

Delta R.T. -0.005 min

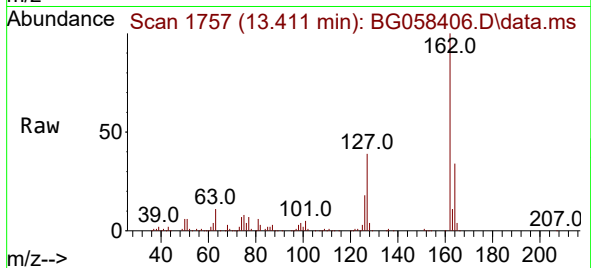
Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :



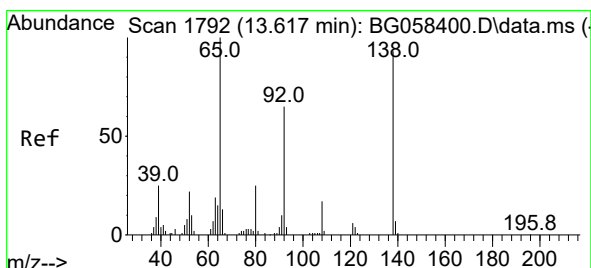
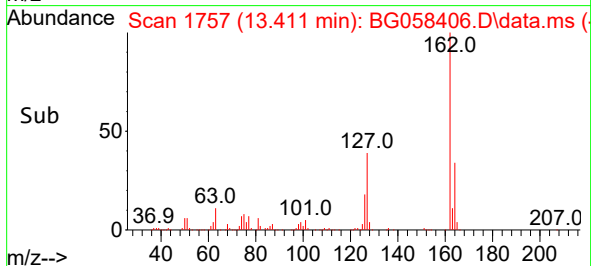
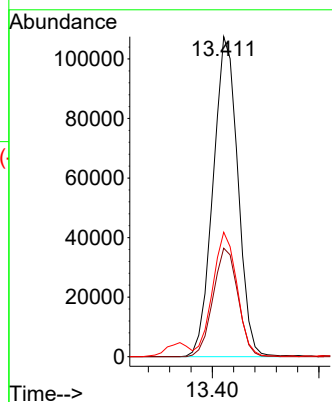
Tgt Ion:162 Resp: 172793

Ion Ratio Lower Upper

162 100

164 33.9 26.2 39.2

127 38.9 29.8 44.6



#45

2-Nitroaniline

Concen: 18.380 ng/ul

RT: 13.616 min Scan# 1792

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

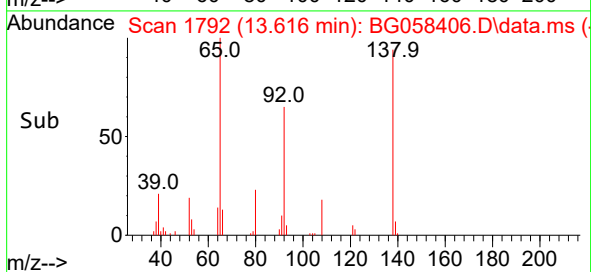
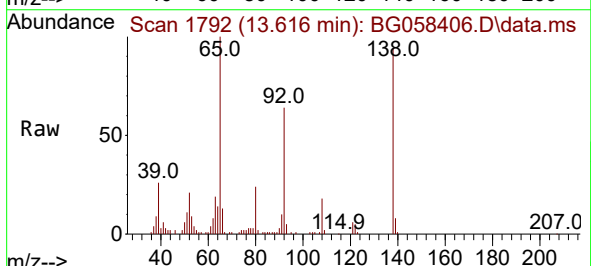
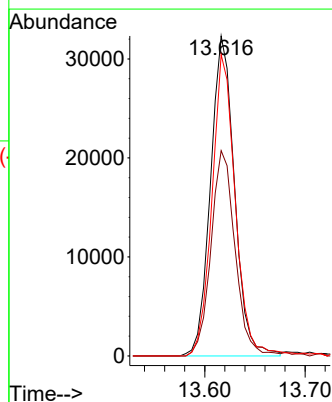
Tgt Ion: 65 Resp: 53717

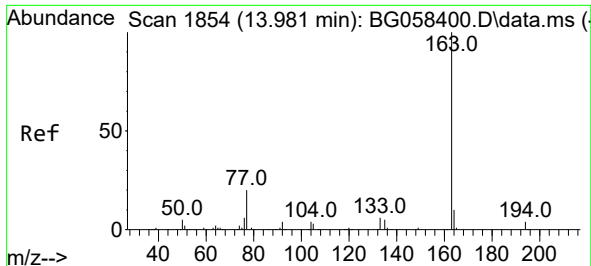
Ion Ratio Lower Upper

65 100

92 64.1 51.4 77.2

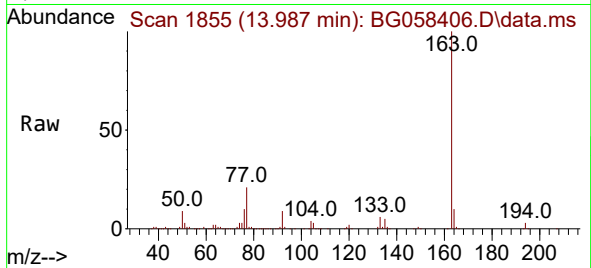
138 94.1 71.6 107.4



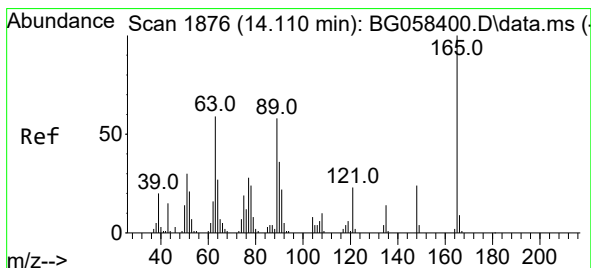
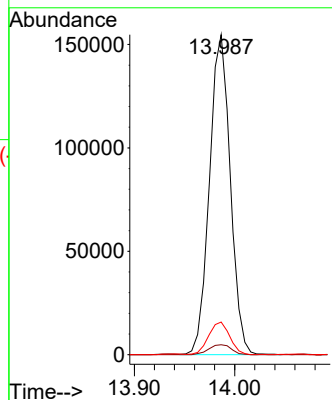
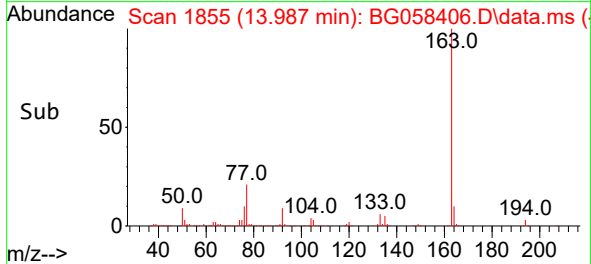


#47
Dimethylphthalate
Concen: 18.426 ng/ul
RT: 13.987 min Scan# 1855
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

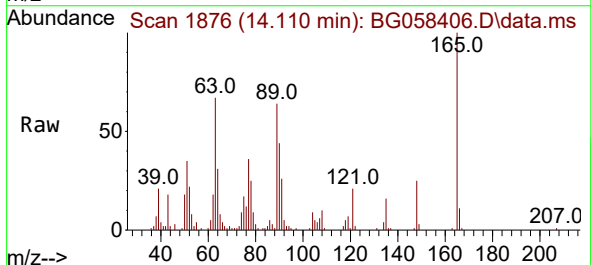
Instrument :
BNA_M
ClientSampleId :



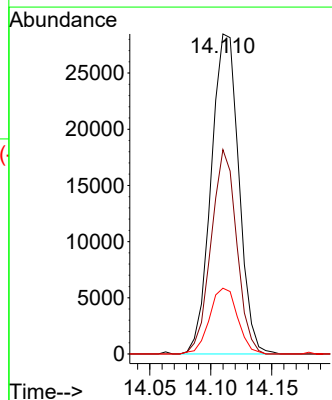
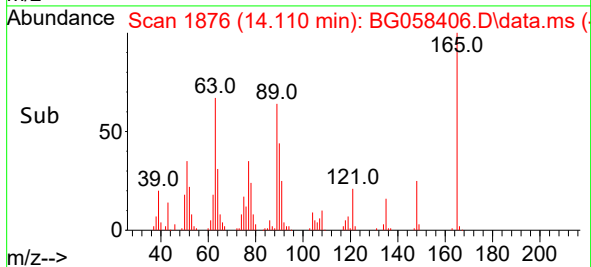
Tgt Ion:163 Resp: 223353
Ion Ratio Lower Upper
163 100
194 3.1 2.6 3.8
164 10.2 8.2 12.2

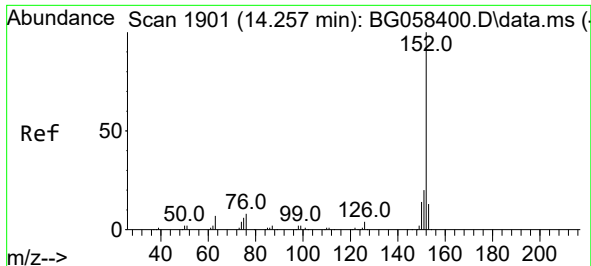


#48
2,6-Dinitrotoluene
Concen: 19.225 ng/ul
RT: 14.110 min Scan# 1876
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09



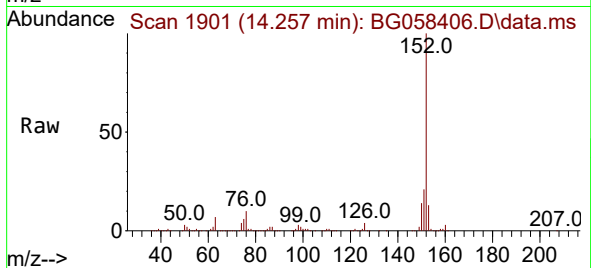
Tgt Ion:165 Resp: 45034
Ion Ratio Lower Upper
165 100
89 63.8 48.9 73.3
121 20.5 16.2 24.4



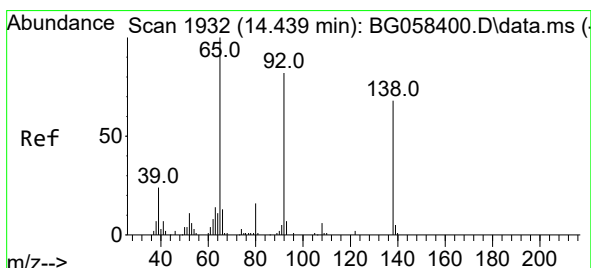
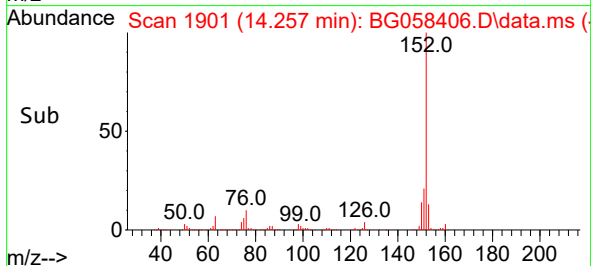
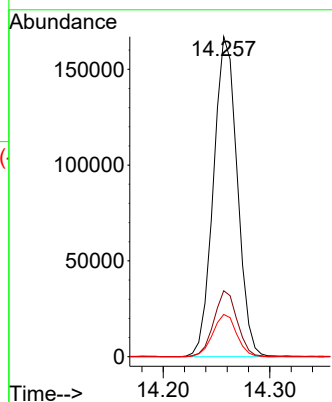


#50
Acenaphthylene
Concen: 18.978 ng/ul
RT: 14.257 min Scan# 1901
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Instrument :
BNA_M
ClientSampleId :

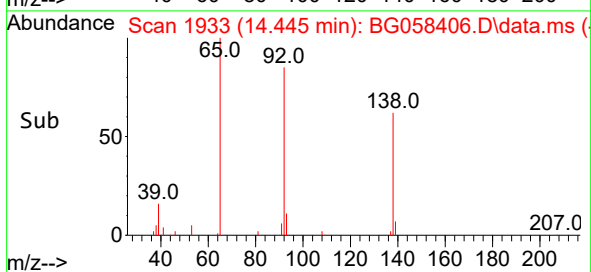
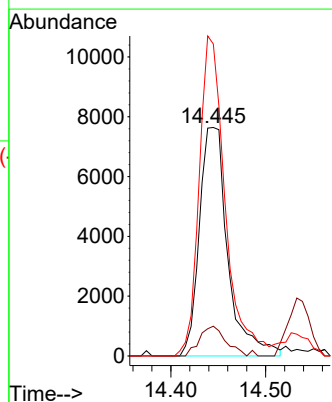
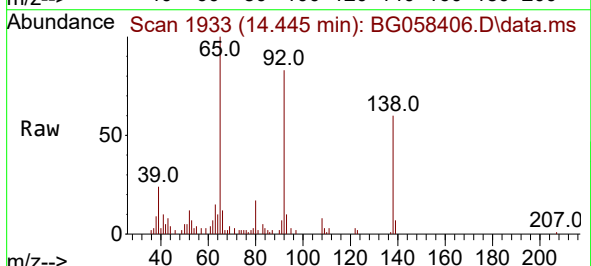


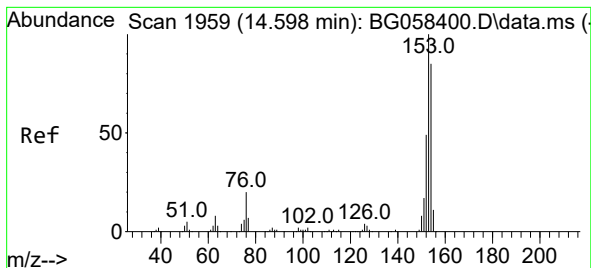
Tgt Ion:152 Resp: 259085
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 13.2 10.6 16.0



#51
3-Nitroaniline
Concen: 8.156 ng/ul
RT: 14.445 min Scan# 1933
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:138 Resp: 15922
Ion Ratio Lower Upper
138 100
108 13.0 8.6 13.0#
92 136.6 108.4 162.6





#52

Acenaphthene

Concen: 19.836 ng/ul

RT: 14.598 min Scan# 1959

Delta R.T. -0.005 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

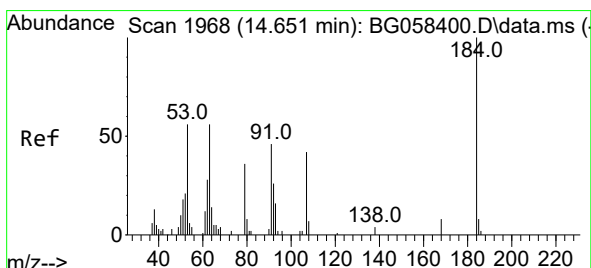
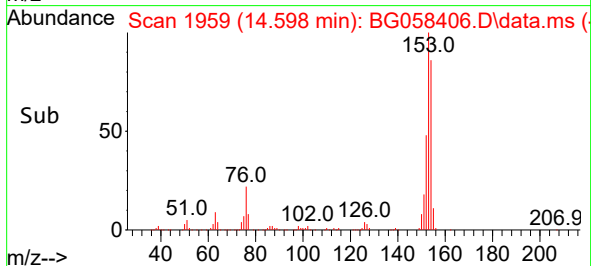
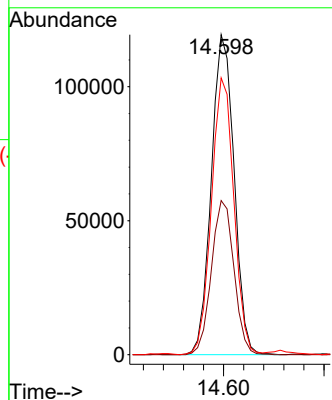
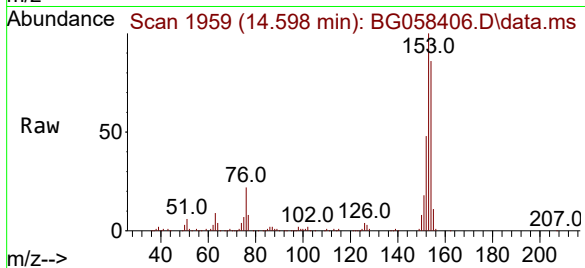
Tgt Ion:153 Resp: 188008

Ion Ratio Lower Upper

153 100

152 48.2 39.1 58.7

154 86.5 68.7 103.1



#53

2,4-Dinitrophenol

Concen: 2.806 ng/ul

RT: 14.656 min Scan# 1969

Delta R.T. 0.007 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

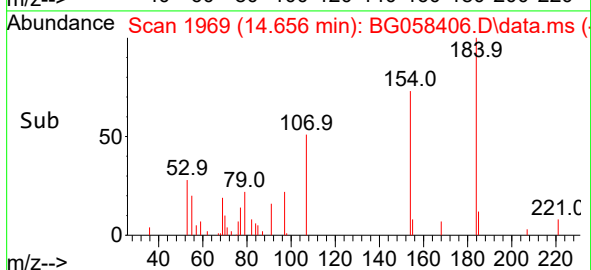
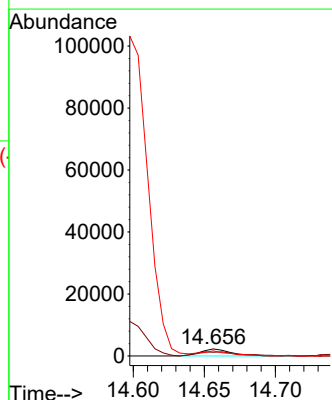
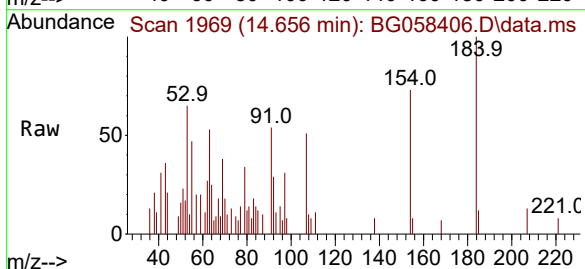
Tgt Ion:184 Resp: 3498

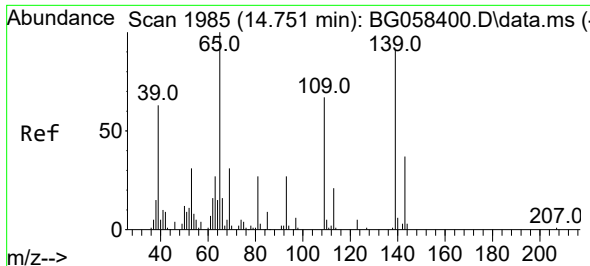
Ion Ratio Lower Upper

184 100

63 53.1 52.9 79.3

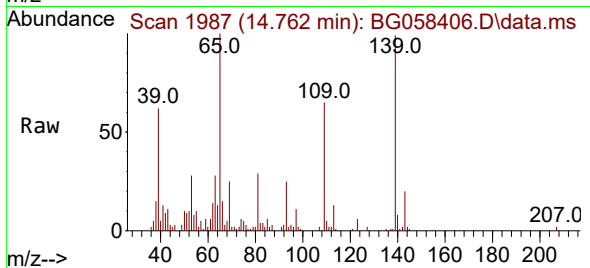
154 73.0 47.8 71.8#



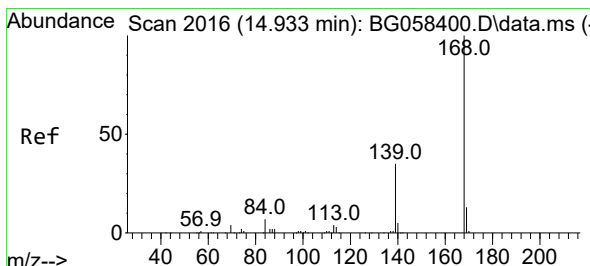
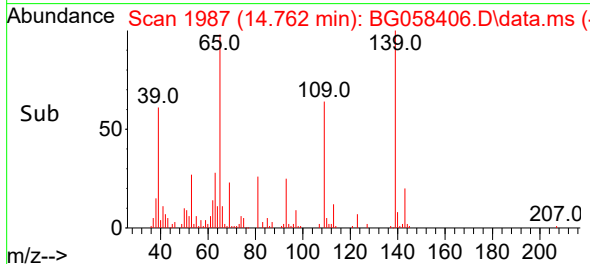
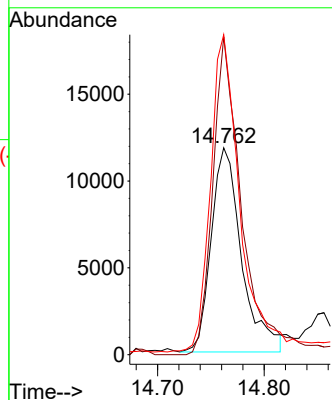


#55
4-Nitrophenol
Concen: 16.623 ng/ul
RT: 14.762 min Scan# 1985
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Instrument :
BNA_M
ClientSampleId :

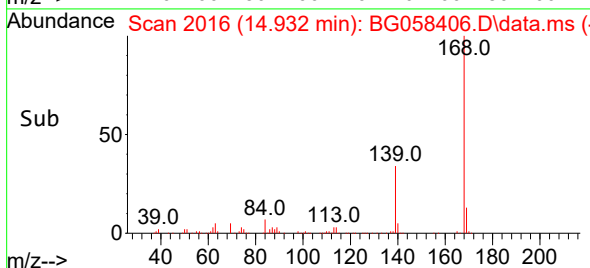
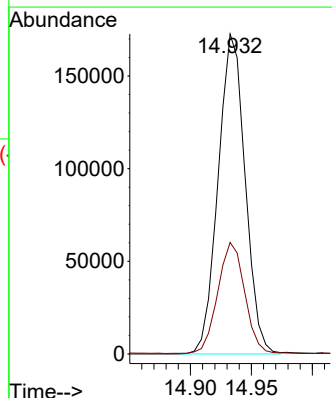
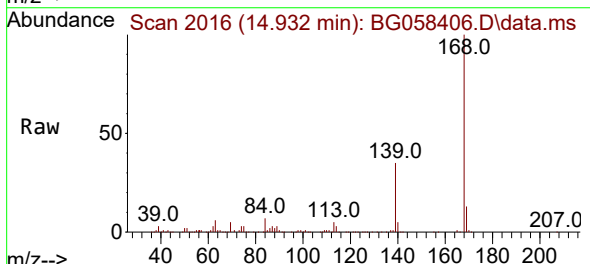


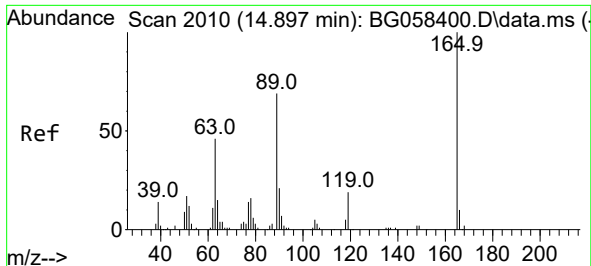
Tgt Ion:109 Resp: 23332
Ion Ratio Lower Upper
109 100
139 153.6 100.3 150.5#
65 154.6 120.6 180.8



#56
Dibenzofuran
Concen: 19.704 ng/ul
RT: 14.932 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:168 Resp: 265931
Ion Ratio Lower Upper
168 100
139 34.8 27.8 41.8

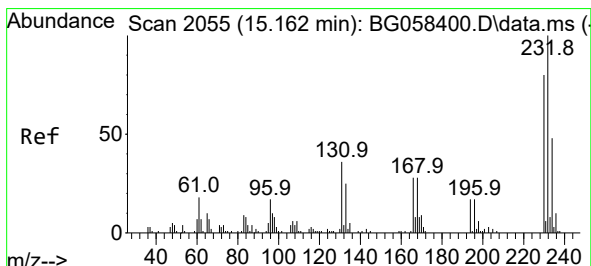
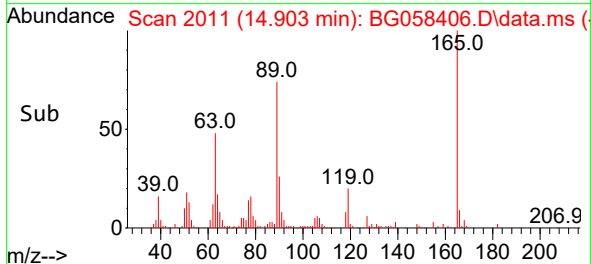
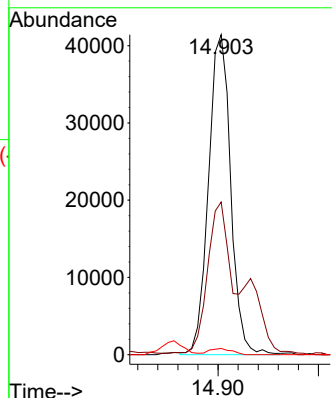
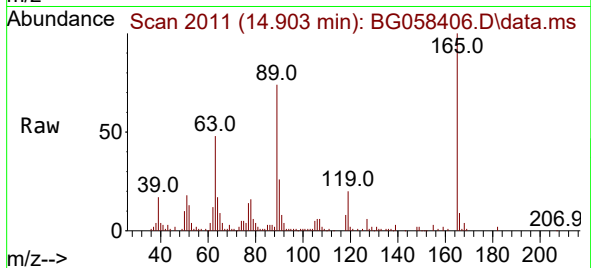




#57
2,4-Dinitrotoluene
Concen: 18.817 ng/ul
RT: 14.903 min Scan# 2011
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

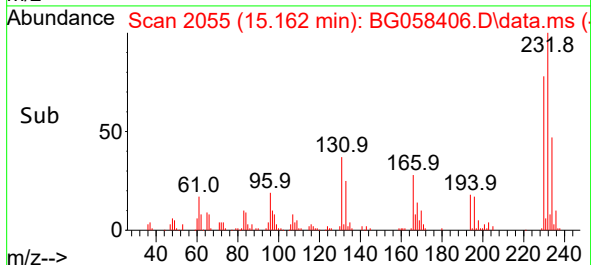
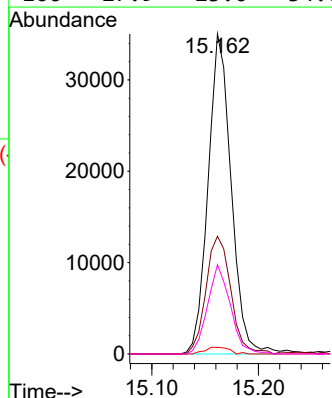
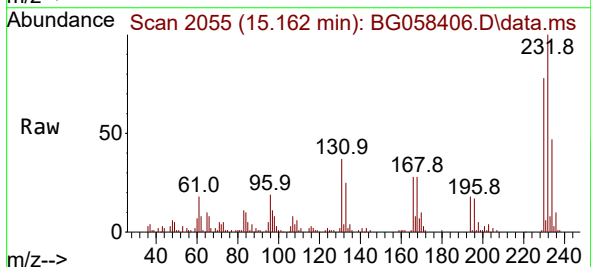
Instrument :
BNA_M
ClientSampleId :

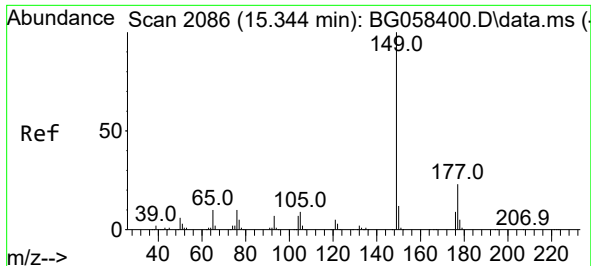
Tgt Ion:165 Resp: 63575
Ion Ratio Lower Upper
165 100
63 47.7 33.8 50.6
182 1.9 1.2 1.8#



#58
2,3,4,6-Tetrachlorophenol
Concen: 17.429 ng/ul
RT: 15.162 min Scan# 2055
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

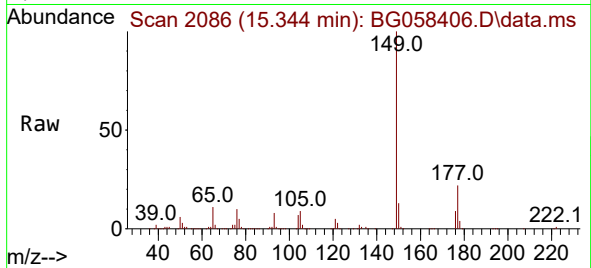
Tgt Ion:232 Resp: 52660
Ion Ratio Lower Upper
232 100
131 36.8 29.0 43.6
130 2.1 1.1 1.7#
166 27.9 23.0 34.6



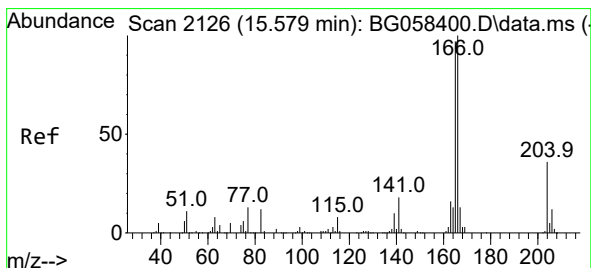
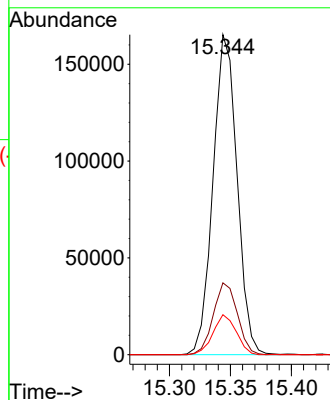
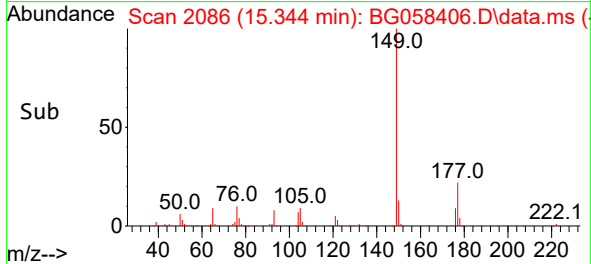


#59
Diethylphthalate
Concen: 18.142 ng/ul
RT: 15.344 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Instrument :
BNA_M
ClientSampleId :

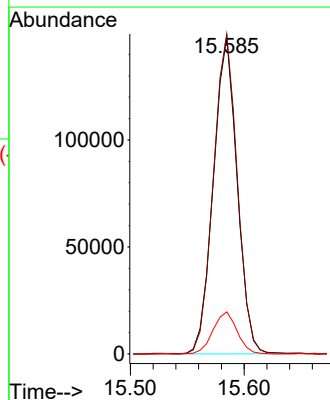
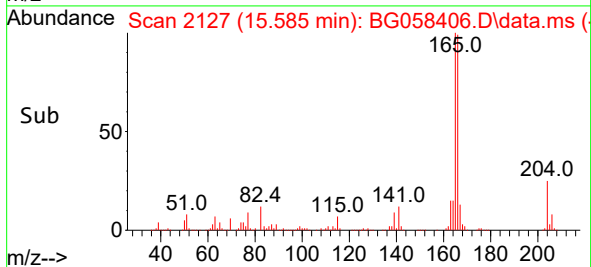
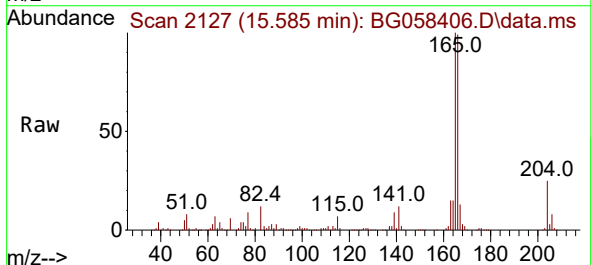


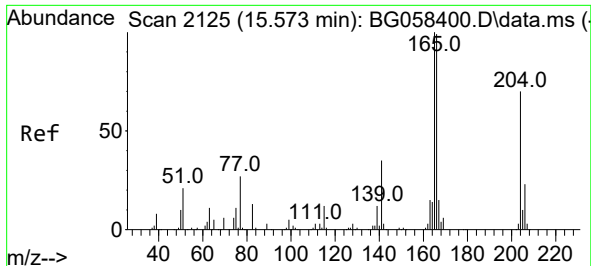
Tgt Ion:149 Resp: 226559
Ion Ratio Lower Upper
149 100
177 22.4 18.4 27.6
150 12.5 10.0 15.0



#61
Fluorene
Concen: 19.436 ng/ul
RT: 15.585 min Scan# 2127
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:166 Resp: 215113
Ion Ratio Lower Upper
166 100
165 101.0 80.2 120.2
167 13.3 10.5 15.7





#62

4-Chlorophenyl-phenylether

Concen: 19.476 ng/ul

RT: 15.573 min Scan# 2125

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

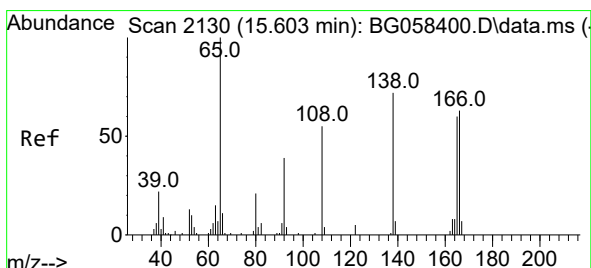
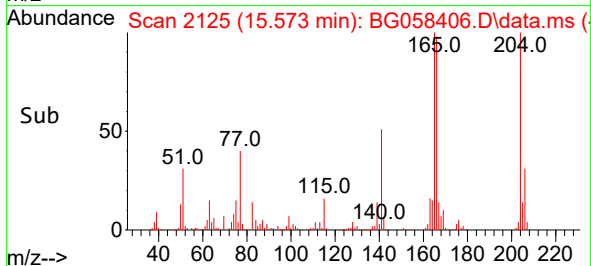
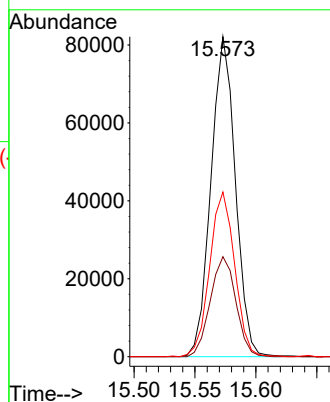
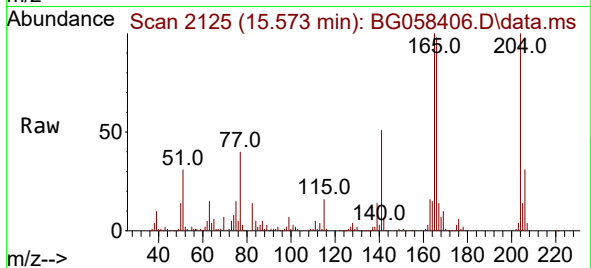
Tgt Ion:204 Resp: 114432

Ion Ratio Lower Upper

204 100

206 31.2 26.0 39.0

141 51.4 42.2 63.2



#63

4-Nitroaniline

Concen: 11.200 ng/ul

RT: 15.602 min Scan# 2130

Delta R.T. -0.005 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

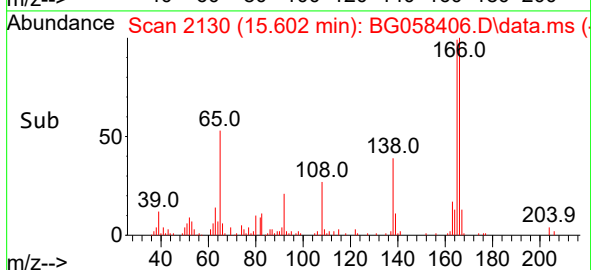
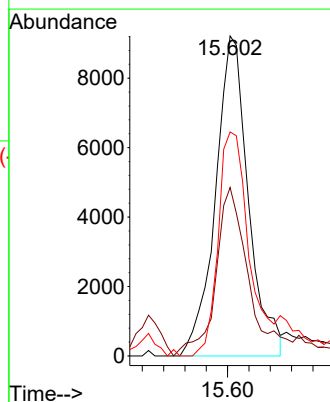
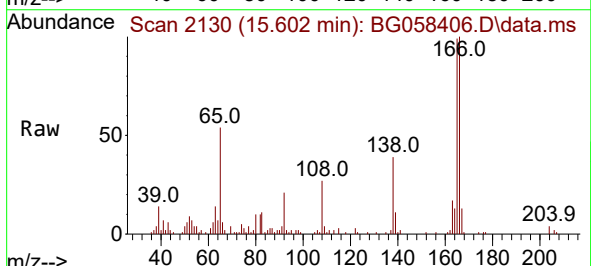
Tgt Ion:138 Resp: 19783

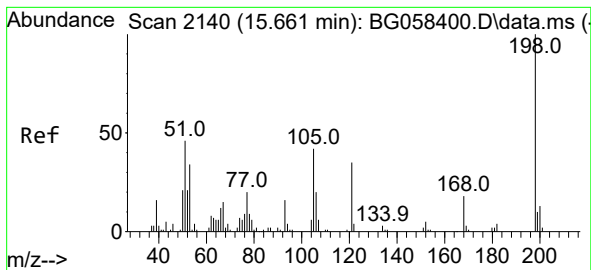
Ion Ratio Lower Upper

138 100

92 52.6 45.0 67.4

108 70.0 60.8 91.2

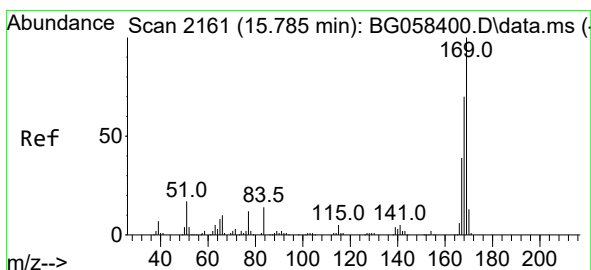
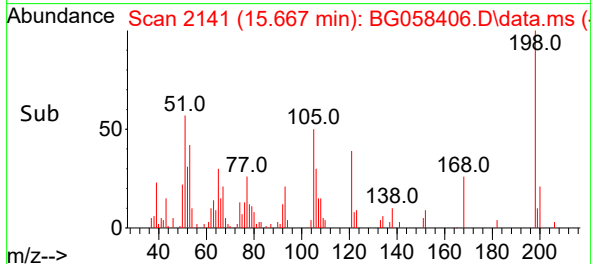
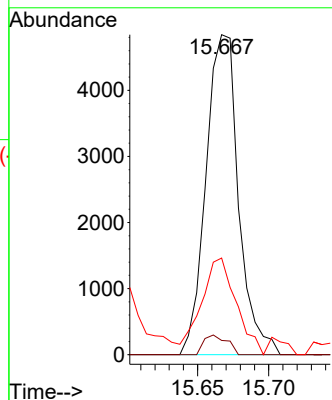
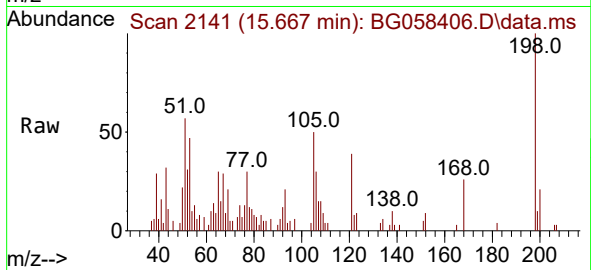




#66
 4,6-Dinitro-2-methylphenol
 Concen: 4.427 ng/ul
 RT: 15.667 min Scan# 2141
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

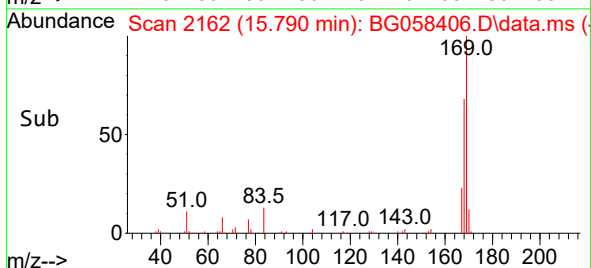
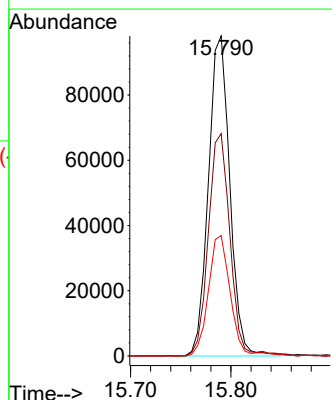
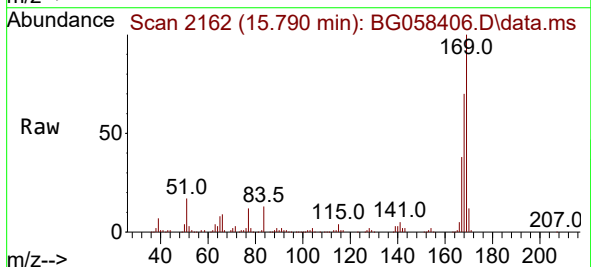
Instrument :
 BNA_M
 ClientSampleId :

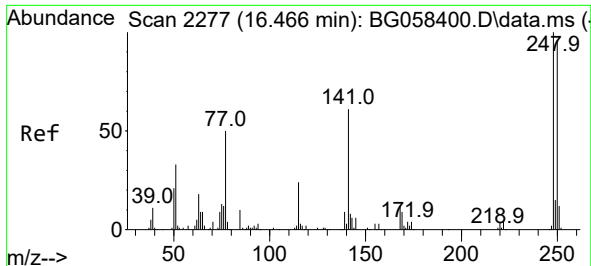
Tgt Ion:198 Resp: 7729
 Ion Ratio Lower Upper
 198 100
 182 4.4 3.4 5.2
 77 30.2 18.4 27.6#



#67
 N-Nitrosodiphenylamine
 Concen: 17.652 ng/ul
 RT: 15.790 min Scan# 2162
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Tgt Ion:169 Resp: 145740
 Ion Ratio Lower Upper
 169 100
 168 69.5 55.7 83.5
 167 37.7 31.2 46.8

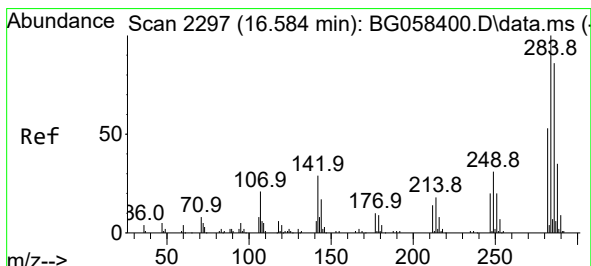
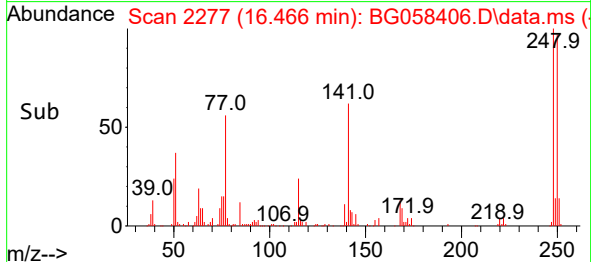
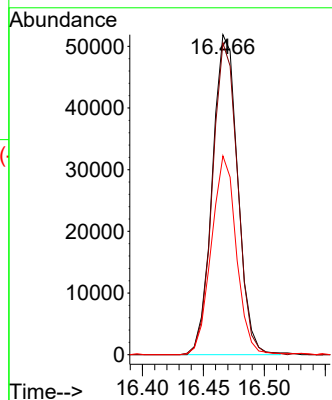
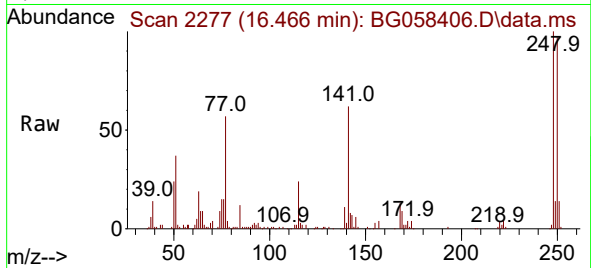




#68
 4-Bromophenyl-phenylether
 Concen: 21.331 ng/ul
 RT: 16.466 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

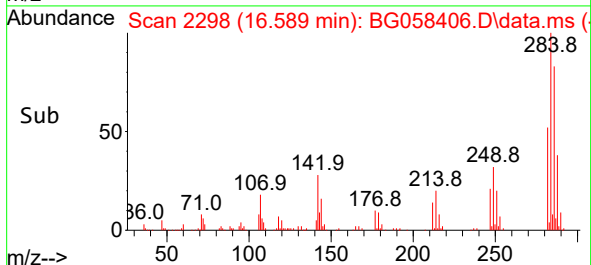
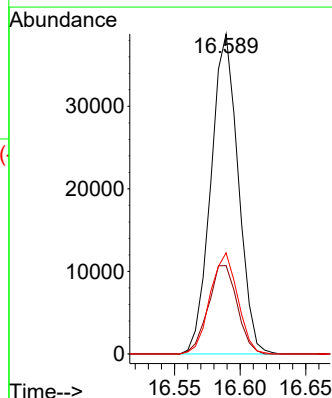
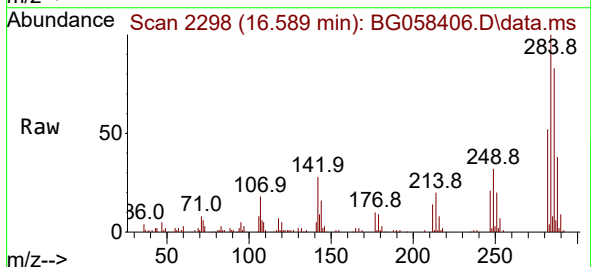
Instrument :
 BNA_M
 ClientSampleId :

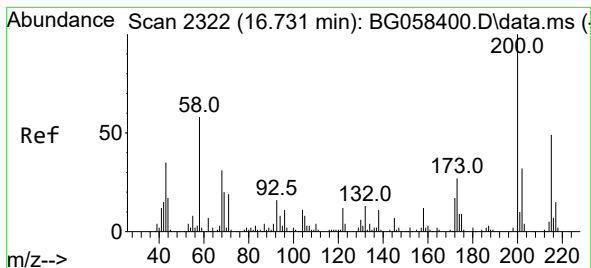
Tgt Ion:248 Resp: 75253
 Ion Ratio Lower Upper
 248 100
 250 97.4 73.8 110.6
 141 62.1 48.2 72.2



#69
 Hexachlorobenzene
 Concen: 14.091 ng/ul
 RT: 16.589 min Scan# 2298
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Tgt Ion:284 Resp: 56092
 Ion Ratio Lower Upper
 284 100
 142 27.6 20.5 30.7
 249 31.6 25.2 37.8





#70

Atrazine

Concen: 20.760 ng/ul

RT: 16.736 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

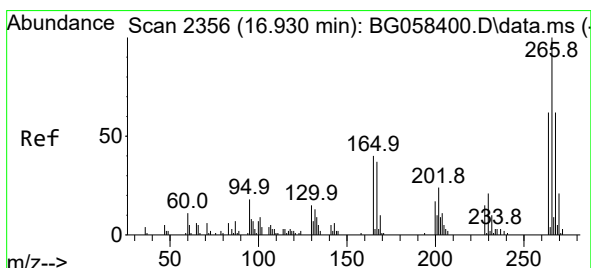
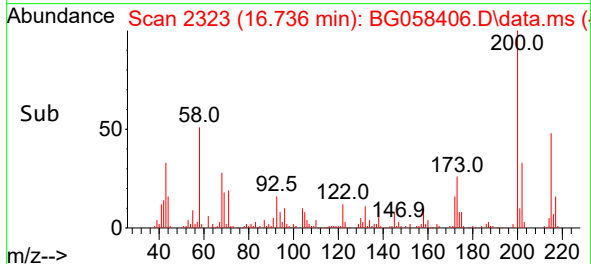
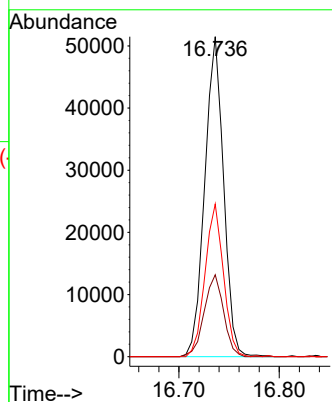
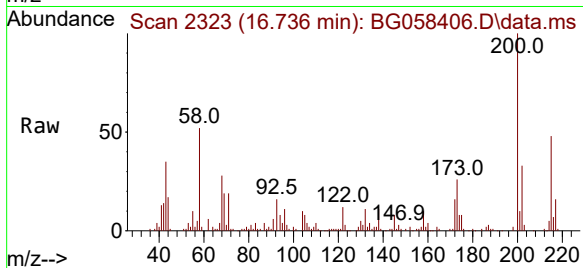
Tgt Ion:200 Resp: 67198

Ion Ratio Lower Upper

200 100

173 25.6 19.8 29.8

215 47.7 36.2 54.4



#71

Pentachlorophenol

Concen: 15.805 ng/ul

RT: 16.936 min Scan# 2357

Delta R.T. 0.007 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

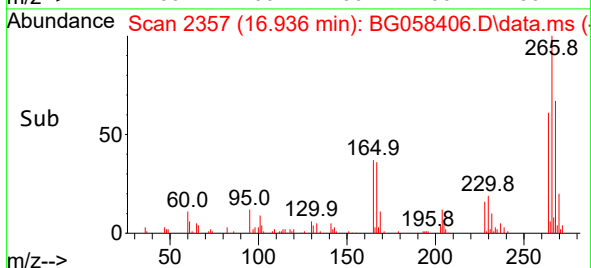
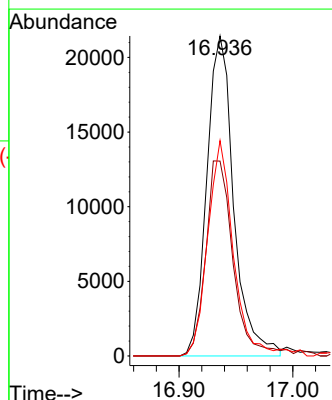
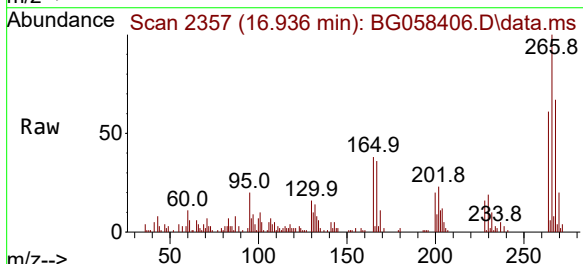
Tgt Ion:266 Resp: 35315

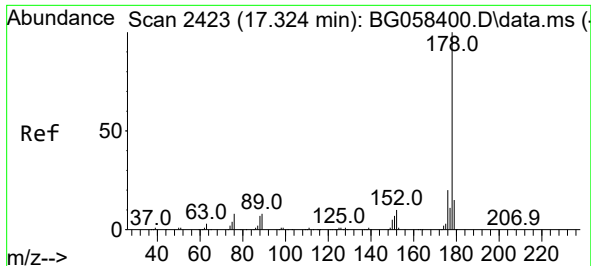
Ion Ratio Lower Upper

266 100

264 60.9 46.6 70.0

268 67.3 47.6 71.4

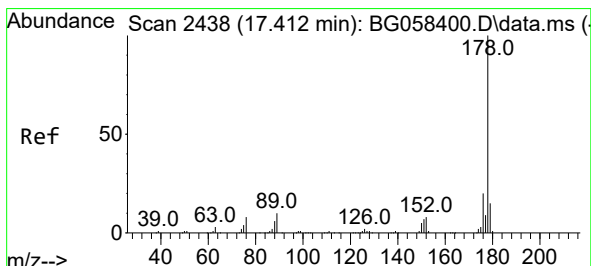
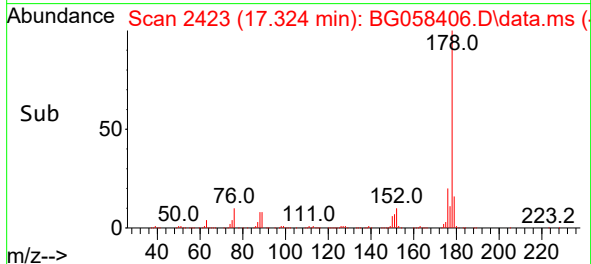
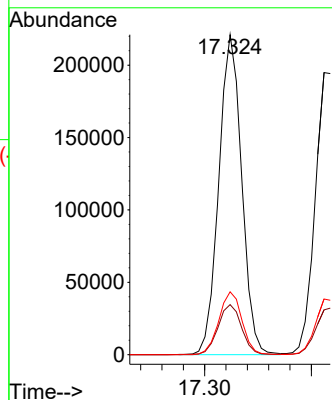
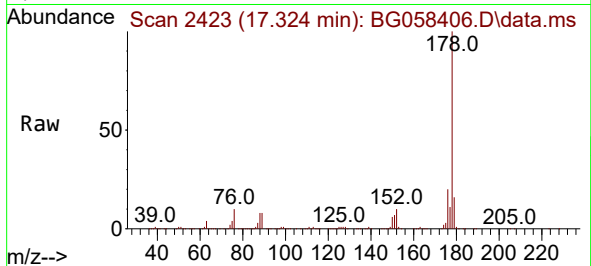




#72
Phenanthrene
Concen: 20.786 ng/ul
RT: 17.324 min Scan# 2423
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

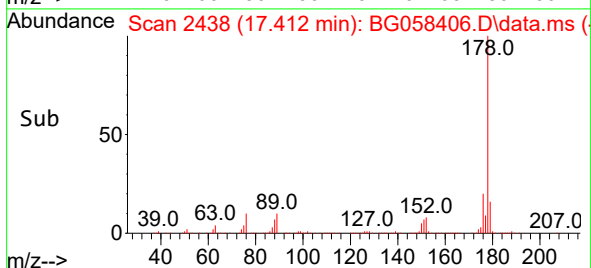
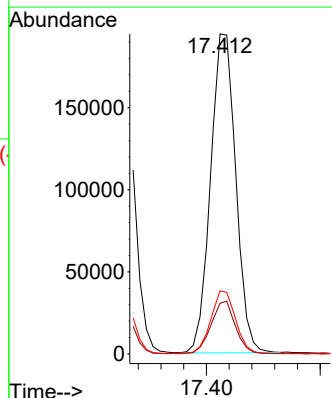
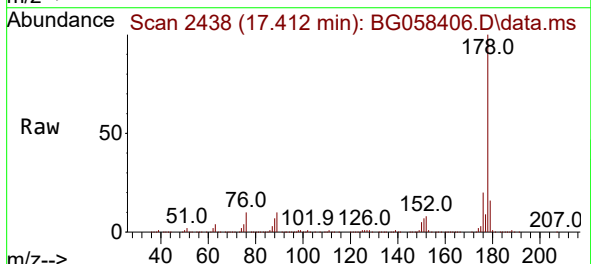
Instrument :
BNA_M
ClientSampleId :

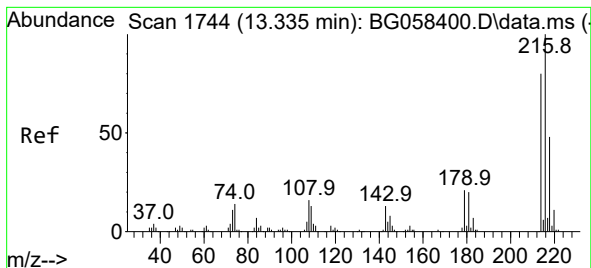
Tgt Ion:178 Resp: 329007
Ion Ratio Lower Upper
178 100
179 15.6 11.9 17.9
176 19.7 15.8 23.8



#74
Anthracene
Concen: 18.860 ng/ul
RT: 17.412 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:178 Resp: 299691
Ion Ratio Lower Upper
178 100
179 15.9 13.4 20.2
176 19.8 16.2 24.2

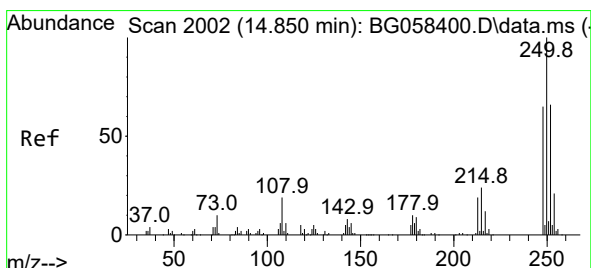
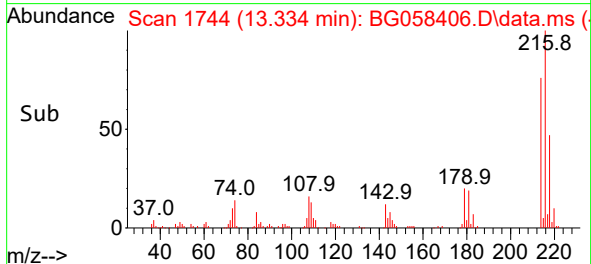
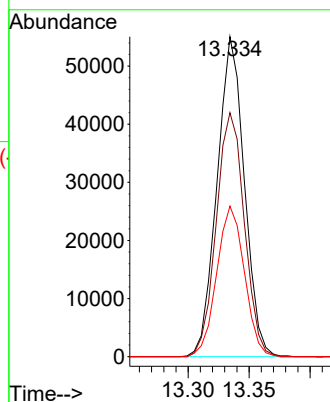
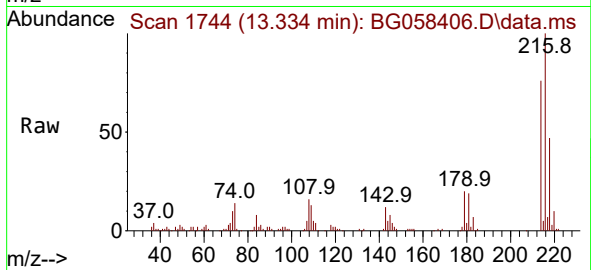




#75
1,2,3,4-Tetrachlorobenzene
Concen: 20.543 ng/uL
RT: 13.334 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

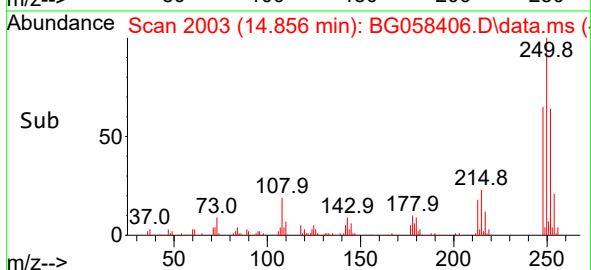
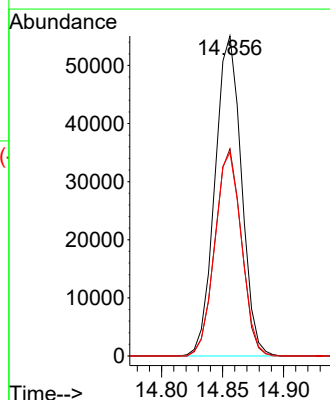
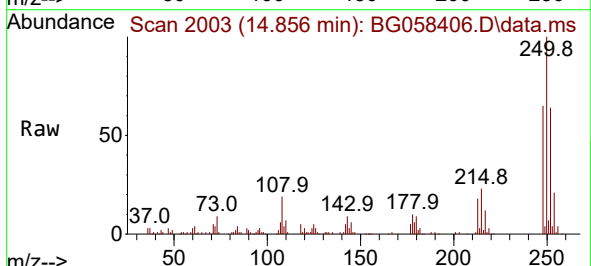
Instrument :
BNA_M
ClientSampleId :

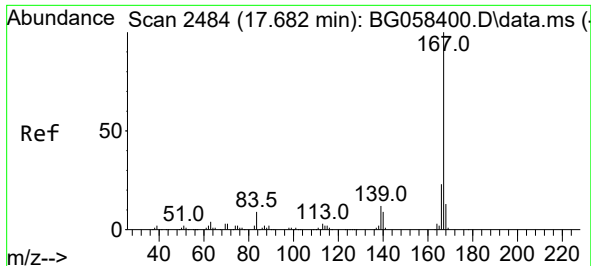
Tgt Ion:216 Resp: 85823
Ion Ratio Lower Upper
216 100
214 76.3 62.2 93.4
218 47.1 40.9 61.3



#76
Pentachlorobenzene
Concen: 18.217 ng/uL
RT: 14.856 min Scan# 2003
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:250 Resp: 83225
Ion Ratio Lower Upper
250 100
248 64.7 51.6 77.4
252 63.6 54.4 81.6

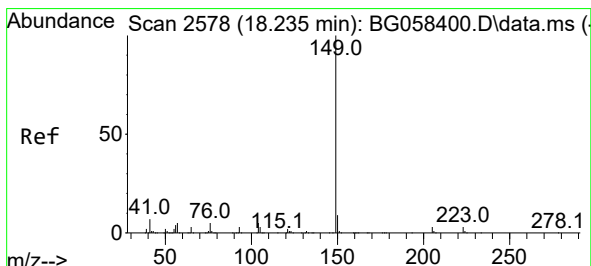
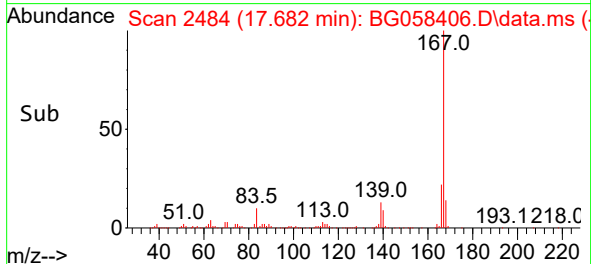
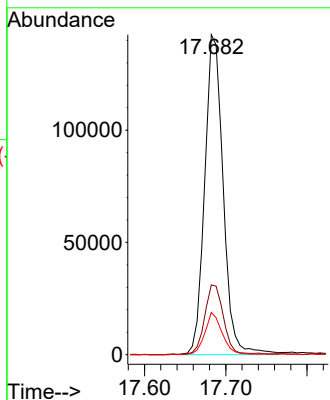
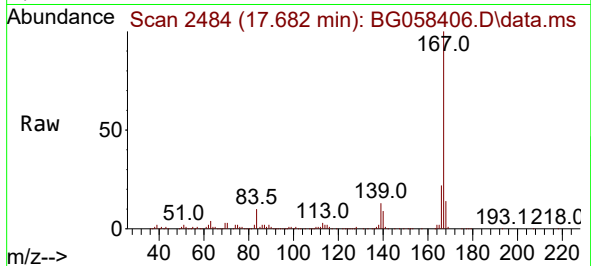




#77
 Carbazole
 Concen: 16.338 ng/ul
 RT: 17.682 min Scan# 2484
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

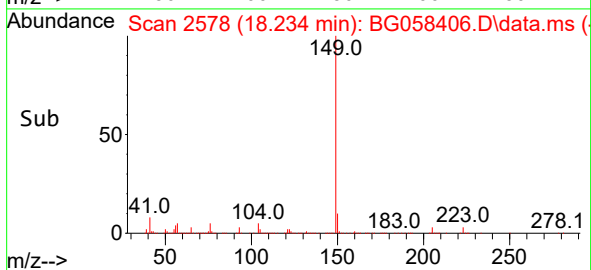
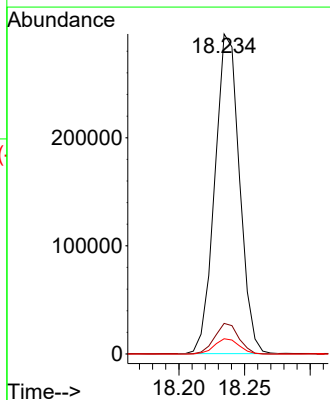
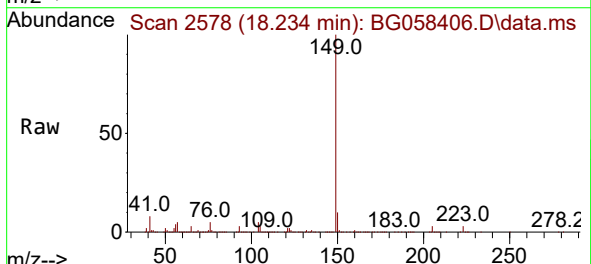
Instrument :
 BNA_M
 ClientSampleId :

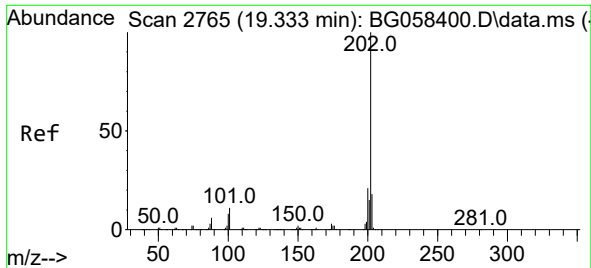
Tgt Ion:167 Resp: 225037
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.8 26.8
 139 13.2 9.4 14.0



#78
 Di-n-butylphthalate
 Concen: 22.029 ng/ul
 RT: 18.234 min Scan# 2578
 Delta R.T. -0.005 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Tgt Ion:149 Resp: 385561
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.2 10.8
 104 4.7 3.9 5.9

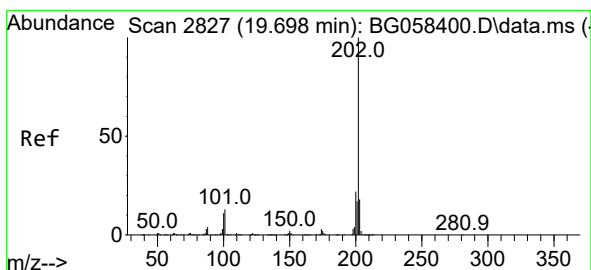
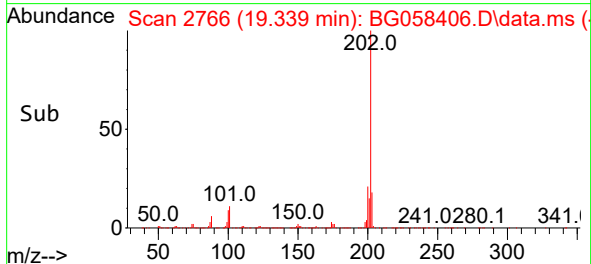
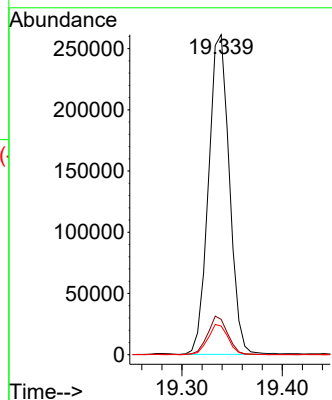
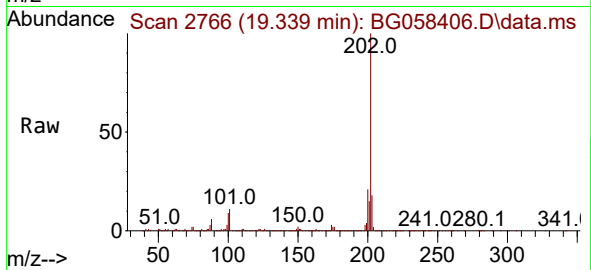




#80
 Fluoranthene
 Concen: 20.978 ng/ul
 RT: 19.339 min Scan# 2765
 Delta R.T. 0.007 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

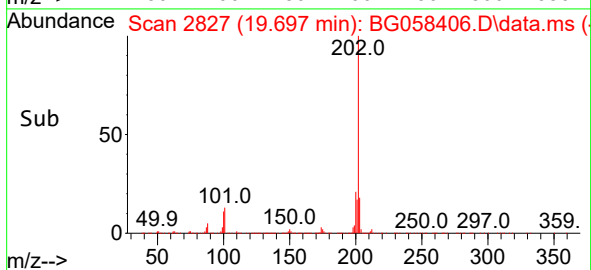
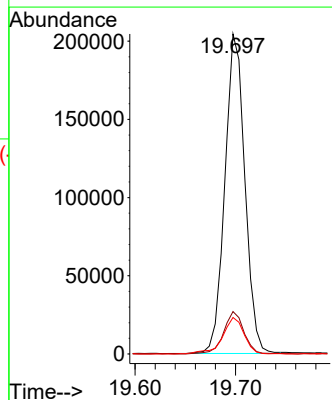
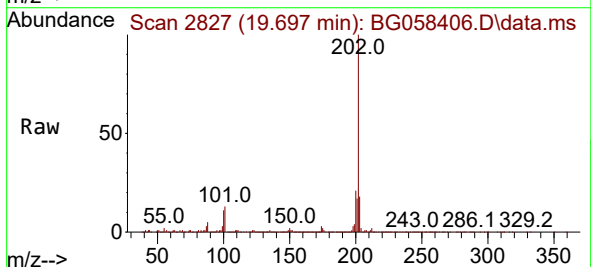
Instrument :
 BNA_M
 ClientSampleId :

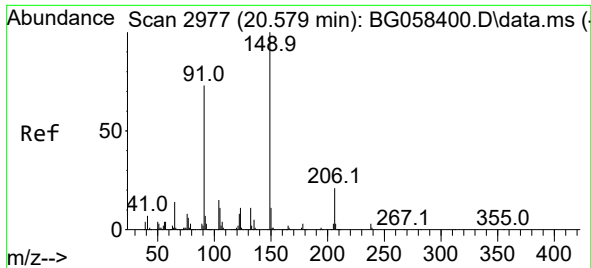
Tgt Ion:202 Resp: 377237
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.6 12.8
 100 8.9 7.2 10.8



#82
 Pyrene
 Concen: 15.510 ng/ul
 RT: 19.697 min Scan# 2827
 Delta R.T. 0.001 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Tgt Ion:202 Resp: 282591
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.2 15.2
 100 11.4 8.9 13.3

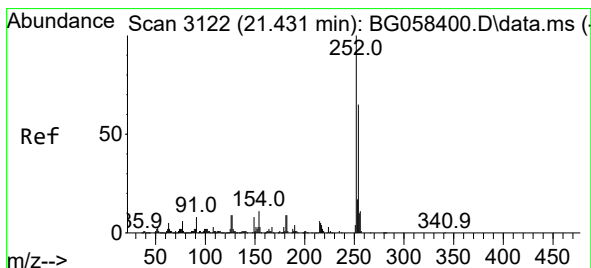
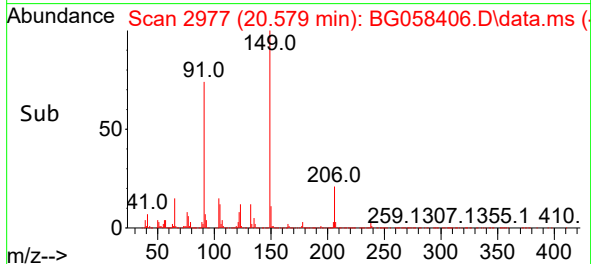
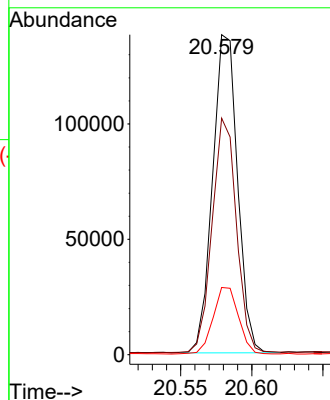
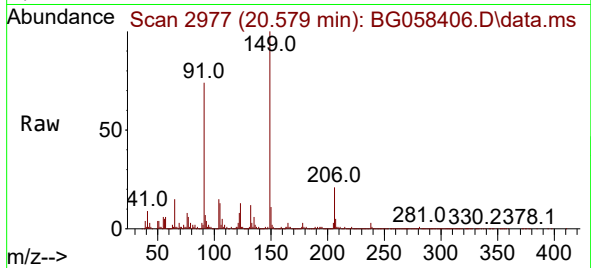




#83
Butylbenzylphthalate
Concen: 23.459 ng/ul
RT: 20.579 min Scan# 2977
Delta R.T. 0.001 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

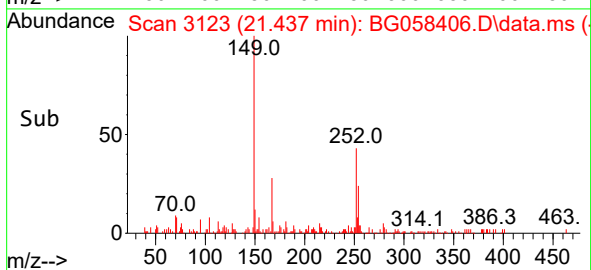
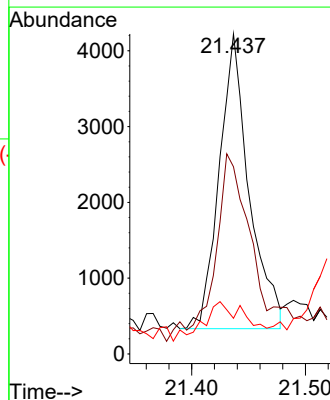
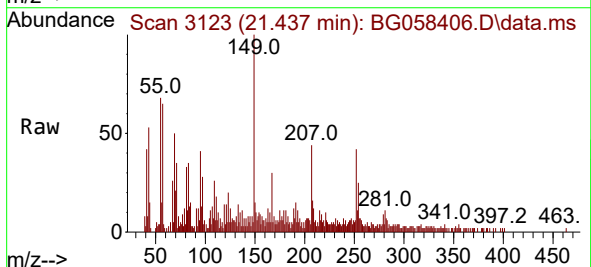
Instrument :
BNA_M
ClientSampleId :

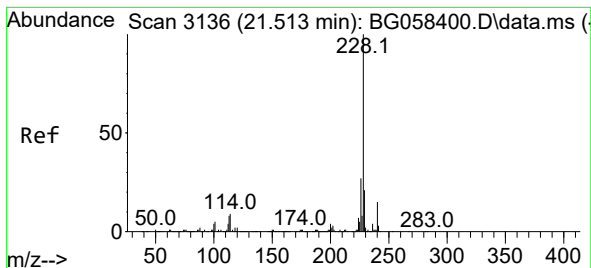
Tgt Ion:149 Resp: 168311
Ion Ratio Lower Upper
149 100
91 73.9 59.9 89.9
206 21.0 16.9 25.3



#84
3,3'-Dichlorobenzidine
Concen: 1.195 ng/ul
RT: 21.437 min Scan# 3123
Delta R.T. 0.007 min
Lab File: BG058406.D
Acq: 22 Jul 2023 18:09

Tgt Ion:252 Resp: 7089
Ion Ratio Lower Upper
252 100
254 58.5 50.5 75.7
126 11.2 6.5 9.7#





#85

Benzo(a)anthracene

Concen: 20.516 ng/ul

RT: 21.519 min Scan# 3136

Delta R.T. 0.007 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

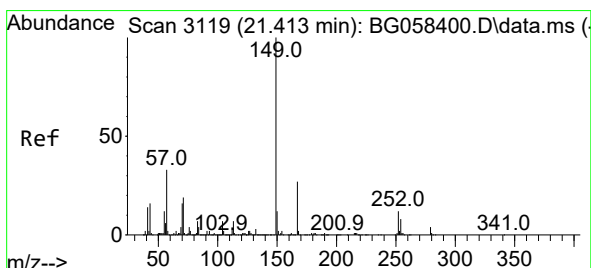
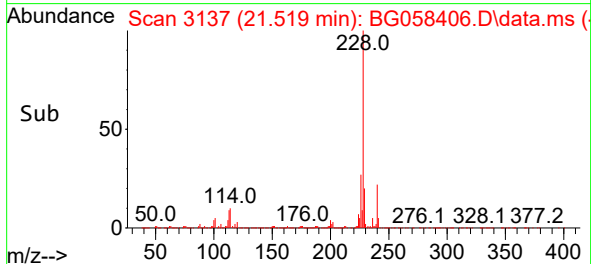
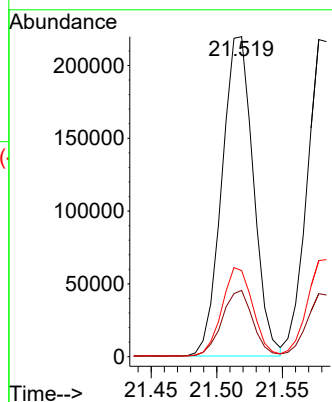
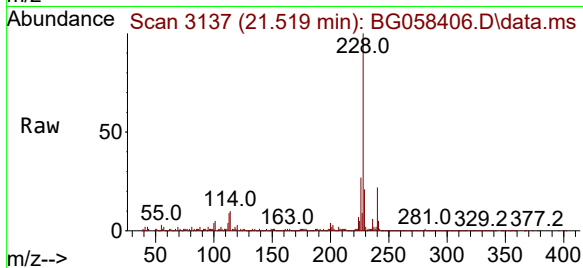
Tgt Ion:228 Resp: 366473

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

226 26.9 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 25.890 ng/ul

RT: 21.413 min Scan# 3119

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

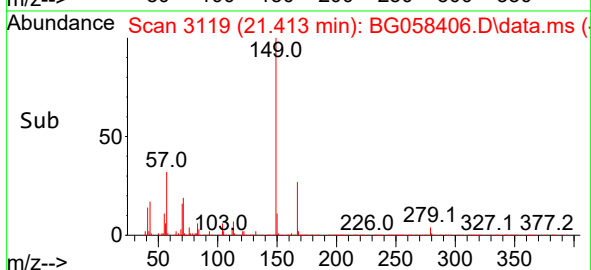
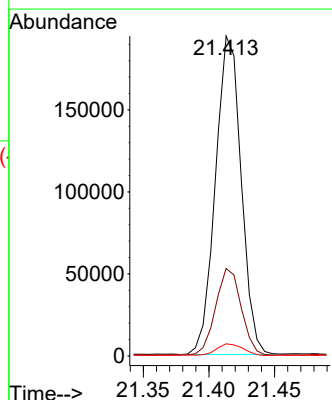
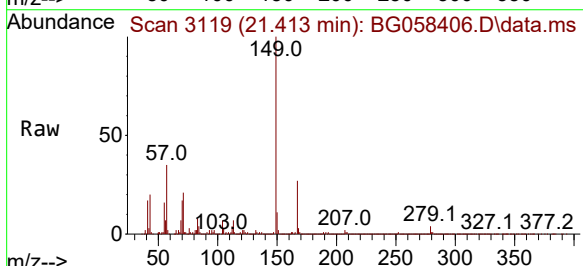
Tgt Ion:149 Resp: 264202

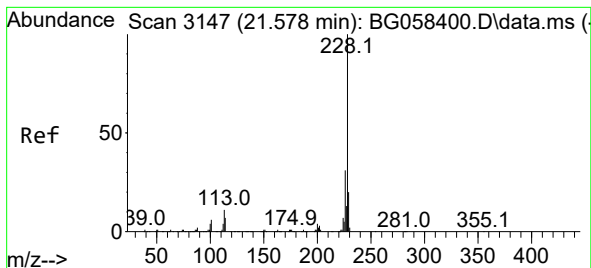
Ion Ratio Lower Upper

149 100

167 27.3 21.6 32.4

279 3.8 3.0 4.4





#87

Chrysene

Concen: 20.503 ng/ul

RT: 21.578 min Scan# 3147

Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

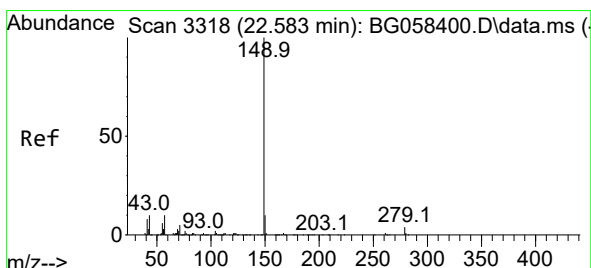
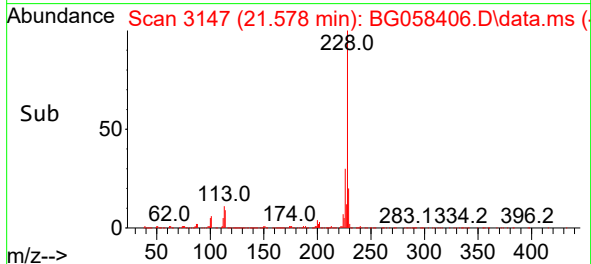
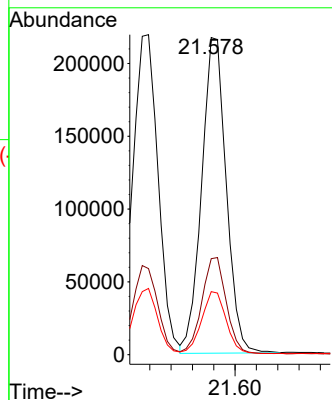
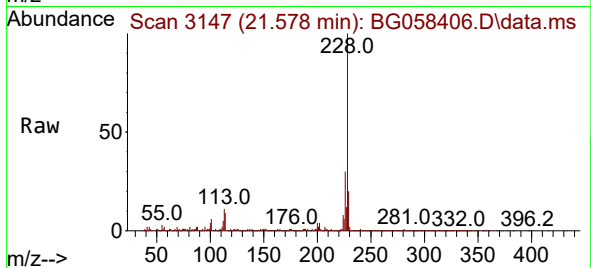
Tgt Ion:228 Resp: 347393

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 19.9 15.8 23.8



#89

Di-n-octyl phthalate

Concen: 24.105 ng/ul

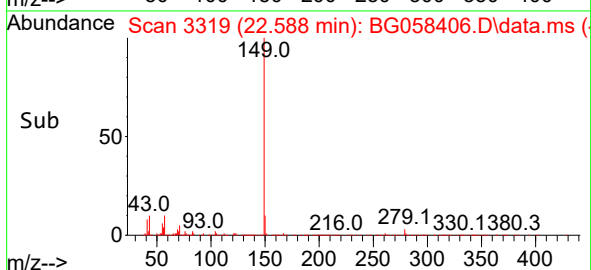
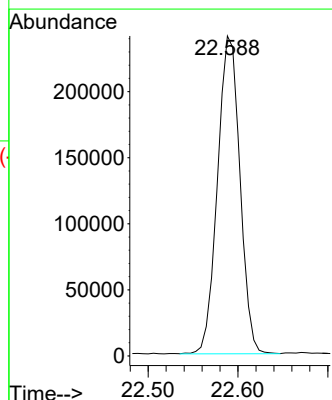
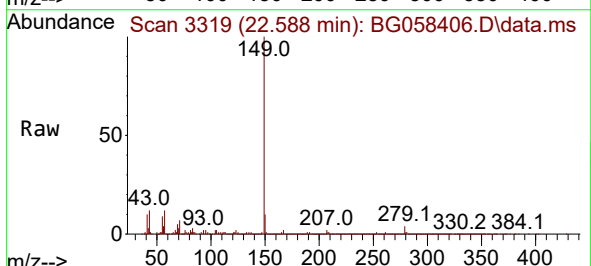
RT: 22.588 min Scan# 3319

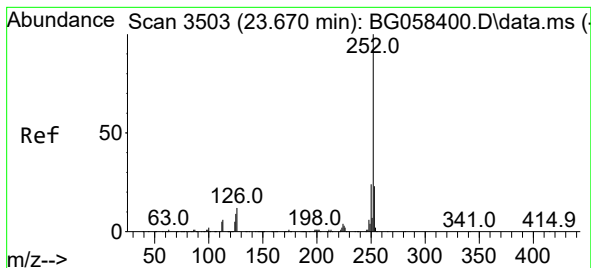
Delta R.T. 0.001 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Tgt Ion:149 Resp: 416967





#90

Benzo(b)fluoranthene

Concen: 19.403 ng/ul

RT: 23.740 min Scan# 3515

Delta R.T. 0.071 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

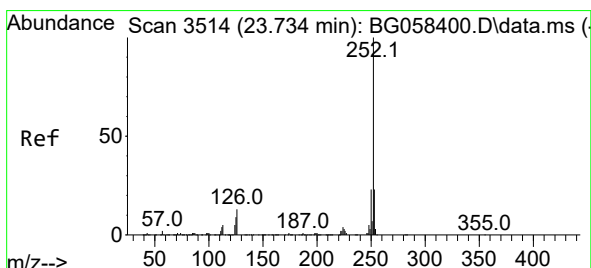
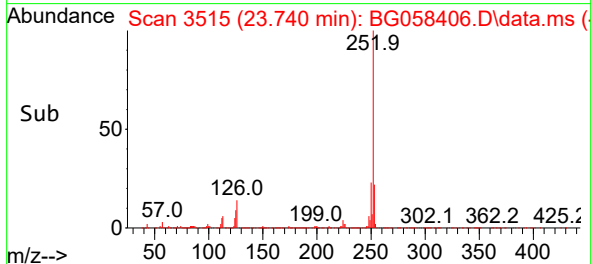
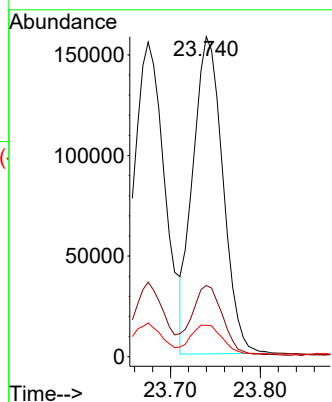
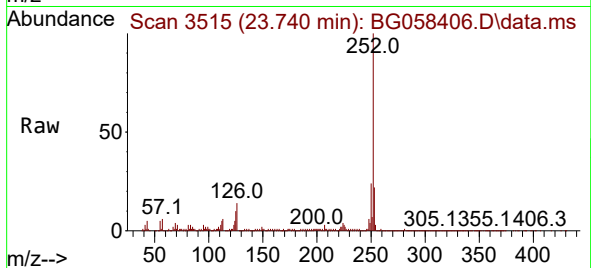
Tgt Ion:252 Resp: 364970

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 9.8 6.7 10.1



#91

Benzo(k)fluoranthene

Concen: 19.481 ng/ul

RT: 23.740 min Scan# 3515

Delta R.T. 0.007 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

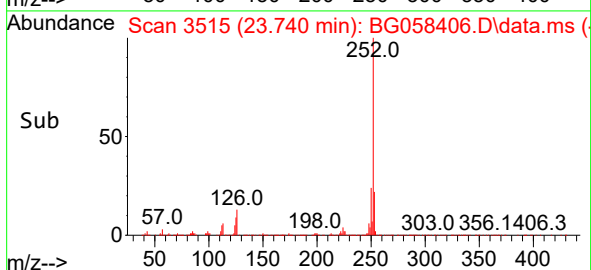
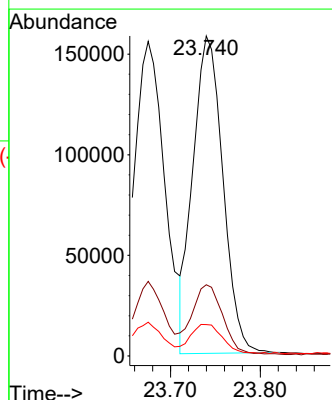
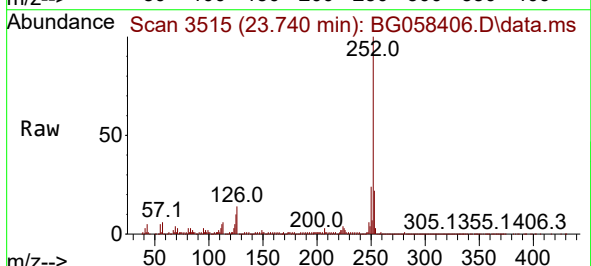
Tgt Ion:252 Resp: 365475

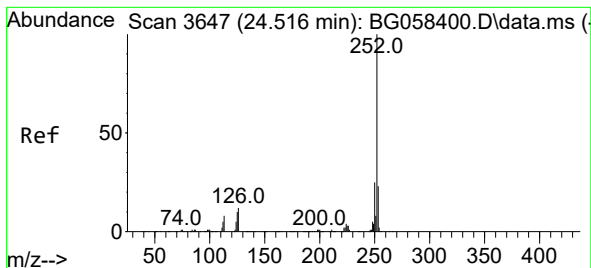
Ion Ratio Lower Upper

252 100

253 22.2 18.3 27.5

125 9.8 7.4 11.0





#93

Benzo(a)pyrene

Concen: 8.804 ng/ul

RT: 24.527 min Scan# 3

Delta R.T. 0.007 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

Instrument :

BNA_M

ClientSampleId :

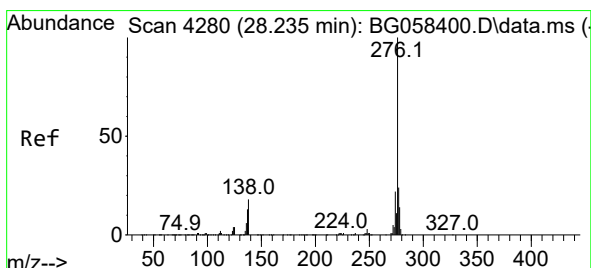
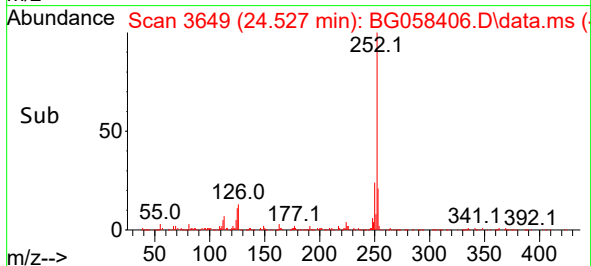
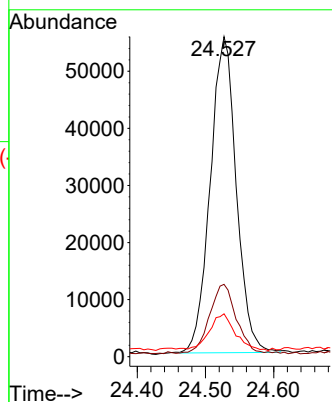
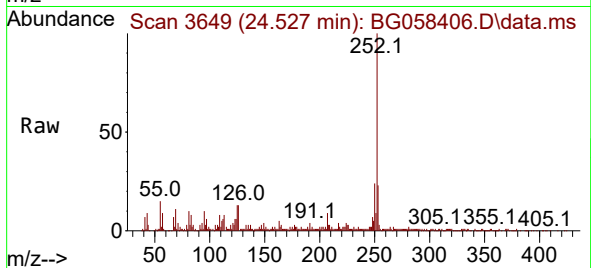
Tgt Ion:252 Resp: 147302

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 13.4 7.7 11.5#



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.762 ng/ul

RT: 28.258 min Scan# 4284

Delta R.T. 0.030 min

Lab File: BG058406.D

Acq: 22 Jul 2023 18:09

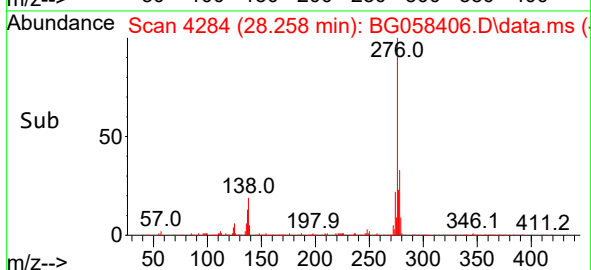
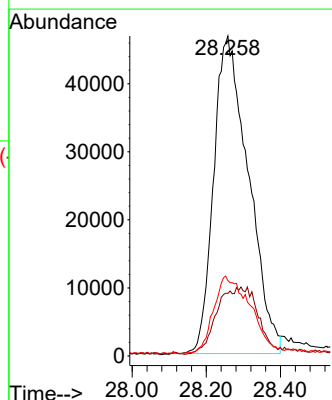
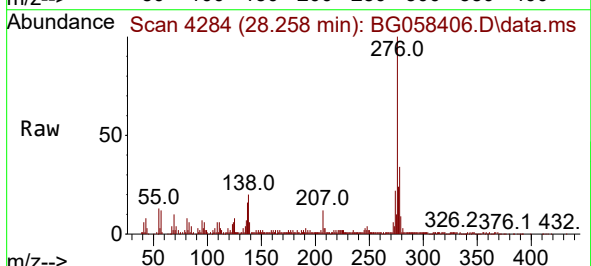
Tgt Ion:276 Resp: 303369

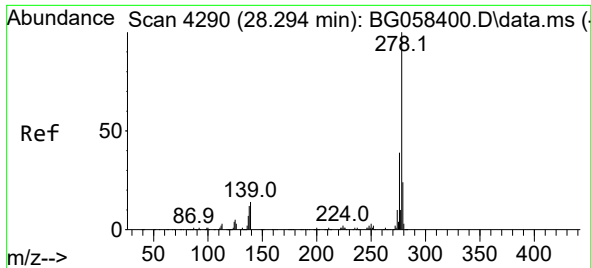
Ion Ratio Lower Upper

276 100

138 19.5 13.8 20.6

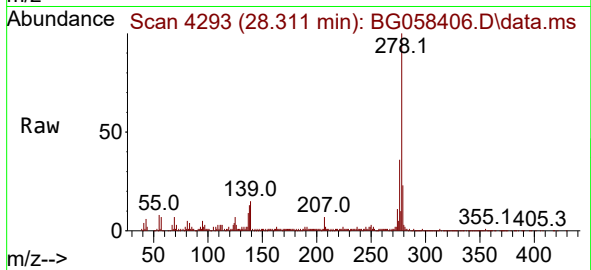
277 23.5 19.2 28.8





#95
 Dibenzo(a,h)anthracene
 Concen: 20.269 ng/ul
 RT: 28.311 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BG058406.D
 Acq: 22 Jul 2023 18:09

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	278	Resp:	366371
Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.4	15.6
279	23.2	18.4	27.6

