

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071823\
 Data File : BG058301.D
 Acq On : 18 Jul 2023 14:58
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 19 04:16:30 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	7.900	152	43172	20.000	ng/u1	0.00
20) Naphthalene-d8	10.702	136	207863	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	153019	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.277	188	376047	20.000	ng/u1	0.00
79) Chrysene-d12	21.531	240	322571	20.000	ng/u1	0.00
88) Perylene-d12	24.662	264	396990	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	9042	7.709	ng/uL	0.00
4) Pyridine-d5	3.752	84	66167	19.005	ng/u1	0.00
7) Phenol-d5	7.060	99	83115	20.295	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	51010	19.928	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	56360	19.660	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	62249	19.927	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	29973	19.237	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	33284	19.568	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.320	165	63609	19.508	ng/u1	0.00
31) 4-Chloroaniline-d4	10.838	131	91605	19.379	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	206976	17.541	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	235604	19.053	ng/u1	0.00
54) 4-Nitrophenol-d4	14.739	143	33534	18.818	ng/u1	0.00
60) Fluorene-d10	15.526	176	186405	19.081	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	34961	18.248	ng/u1	0.00
73) Anthracene-d10	17.377	188	305281	18.788	ng/u1	0.00
81) Pyrene-d10	19.668	212	353887	18.575	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.445	264	346878	18.078	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	10280	7.727	ng/uL	87
5) Pyridine	3.769	79	71931	19.564	ng/u1	100
6) Benzaldehyde	7.036	77	22593	13.660	ng/u1	94
8) Phenol	7.089	94	84191	19.795	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.318	93	64622	19.834	ng/u1	98
12) 2-Chlorophenol	7.459	128	59110	19.698	ng/u1	98
13) 2-Methylphenol	8.340	108	63426	19.134	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.423	45	107404	20.115	ng/u1	98
16) Acetophenone	8.716	105	107453	20.198	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.699	70	54623	18.760	ng/u1	92
18) 4-Methylphenol	8.669	108	71371	19.812	ng/u1	98
19) Hexachloroethane	8.981	117	23195	19.610	ng/u1	95
22) Nitrobenzene	9.098	77	77365	18.620	ng/u1	98
23) Isophorone	9.621	82	166172	17.839	ng/u1	99
25) 2-Nitrophenol	9.815	139	35586	19.586	ng/u1	92
26) 2,4-Dimethylphenol	9.868	107	78618	19.406	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.103	93	92924	18.835	ng/u1	99
29) 2,4-Dichlorophenol	10.350	162	61436	19.851	ng/u1	96
30) Naphthalene	10.749	128	210372	18.934	ng/u1	99
32) 4-Chloroaniline	10.861	127	94662	19.594	ng/u1	99
33) Hexachlorobutadiene	11.031	225	42777	19.330	ng/u1	99
34) Caprolactam	11.613	113	14980	11.654	ng/u1	95
35) 4-Chloro-3-methylphenol	11.989	107	78305	19.882	ng/u1	98
36) 2-Methylnaphthalene	12.359	142	143479	19.275	ng/u1	98

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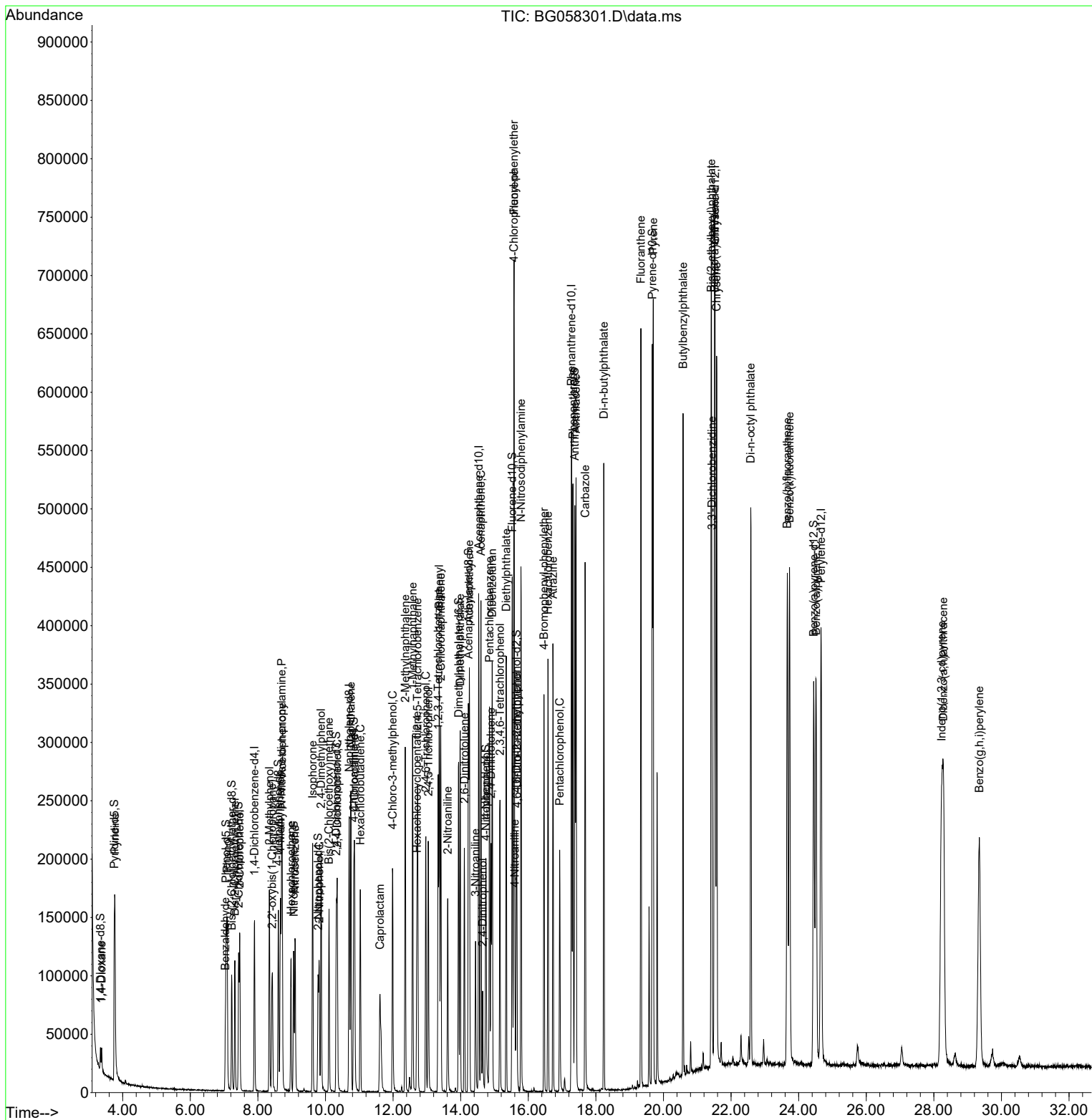
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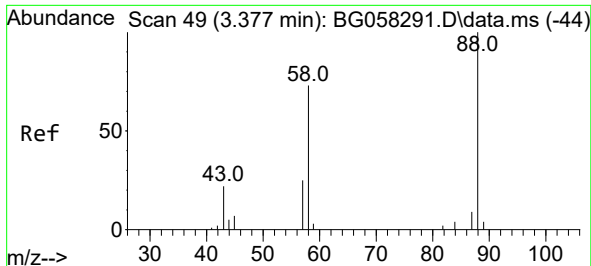
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.577	142	147866	19.382	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.724	216	86026	19.421	ng/ul	100
40) Hexachlorocyclopentadiene	12.706	237	39512	16.585	ng/ul	99
41) 2,4,6-Trichlorophenol	12.970	196	58654	19.560	ng/ul	97
42) 2,4,5-Trichlorophenol	13.041	196	63032	19.713	ng/ul	99
43) 1,1'-Biphenyl	13.364	154	193228	18.675	ng/ul	97
44) 2-Chloronaphthalene	13.411	162	156926	19.075	ng/ul	98
45) 2-Nitroaniline	13.617	65	53792	18.824	ng/ul	99
47) Dimethylphthalate	13.987	163	211081	17.809	ng/ul	99
48) 2,6-Dinitrotoluene	14.110	165	43060	18.801	ng/ul	98
50) Acenaphthylene	14.257	152	256466	19.214	ng/ul	99
51) 3-Nitroaniline	14.439	138	32672	17.118	ng/ul	85
52) Acenaphthene	14.598	153	176840	19.082	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	20155	16.535	ng/ul	98
55) 4-Nitrophenol	14.751	109	26199	19.090	ng/ul	99
56) Dibenzofuran	14.933	168	253236	19.191	ng/ul	100
57) 2,4-Dinitrotoluene	14.897	165	63438	19.204	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.162	232	58233	19.712	ng/ul#	100
59) Diethylphthalate	15.350	149	217348	17.801	ng/ul	98
61) Fluorene	15.579	166	208804	19.295	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.573	204	109420	19.047	ng/ul	100
63) 4-Nitroaniline	15.603	138	25396	14.705	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.661	198	35740	18.132	ng/ul	98
67) N-Nitrosodiphenylamine	15.785	169	174860	18.759	ng/ul	98
68) 4-Bromophenyl-phenylether	16.466	248	74997	18.829	ng/ul	97
69) Hexachlorobenzene	16.584	284	84307	18.758	ng/ul	98
70) Atrazine	16.731	200	70415	19.267	ng/ul	96
71) Pentachlorophenol	16.930	266	45349	17.975	ng/ul	90
72) Phenanthrene	17.324	178	338552	18.945	ng/ul	99
74) Anthracene	17.412	178	343886	19.168	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.335	216	90492	19.185	ng/uL	97
76) Pentachlorobenzene	14.850	250	97902	18.980	ng/uL	96
77) Carbazole	17.682	167	310391	19.959	ng/ul	99
78) Di-n-butylphthalate	18.235	149	387570	19.613	ng/ul	100
80) Fluoranthene	19.333	202	408598	18.721	ng/ul	100
82) Pyrene	19.698	202	411620	18.613	ng/ul	99
83) Butylbenzylphthalate	20.579	149	167793	19.268	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.431	252	146437	20.336	ng/ul	99
85) Benzo(a)anthracene	21.513	228	403123	18.593	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.413	149	243282	19.641	ng/ul	99
87) Chrysene	21.572	228	387406	18.838	ng/ul	98
89) Di-n-octyl phthalate	22.583	149	417096	19.746	ng/ul	100
90) Benzo(b)fluoranthene	23.664	252	426378	18.563	ng/ul	99
91) Benzo(k)fluoranthene	23.728	252	410595	17.923	ng/ul	98
93) Benzo(a)pyrene	24.516	252	375300	18.370	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.229	276	491384	18.255	ng/ul	99
95) Dibenzo(a,h)anthracene	28.282	278	406286	18.407	ng/ul	97
96) Benzo(g,h,i)perylene	29.345	276	400410	18.258	ng/ul	98

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

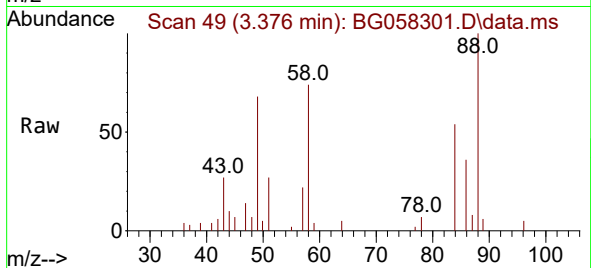
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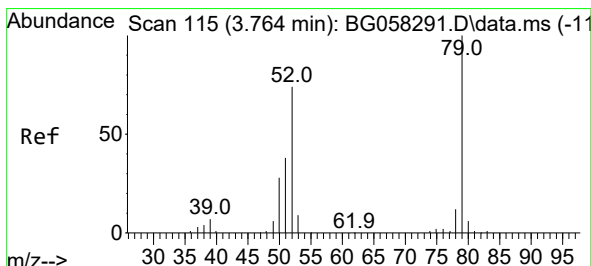
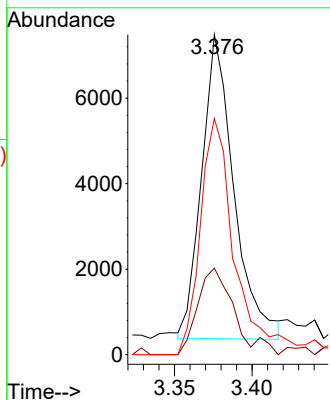
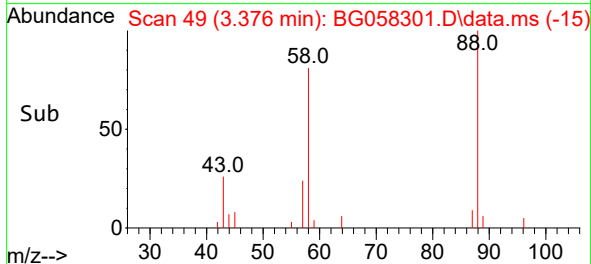


#2
1,4-Dioxane
Concen: 7.727 ng/uL
RT: 3.376 min Scan# 49
Delta R.T. 0.001 min
Lab File: BG058301.D
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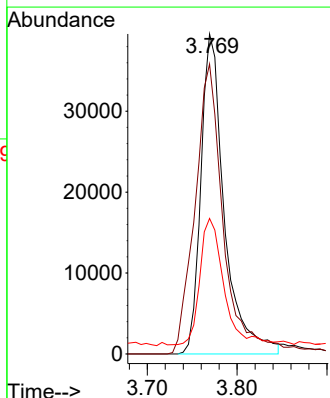
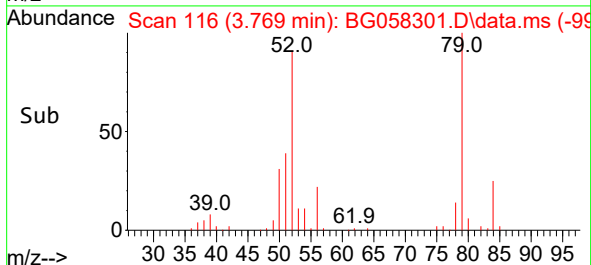
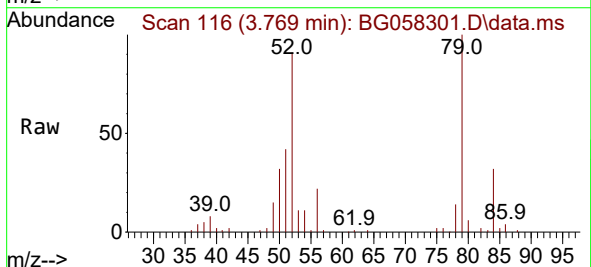


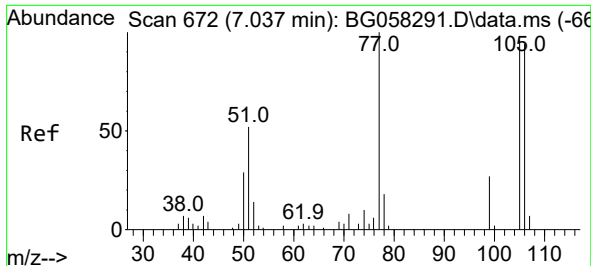
Tgt Ion: 88 Resp: 10280
Ion Ratio Lower Upper
88 100
43 27.1 19.6 29.4
58 73.8 70.2 105.4



#5
Pyridine
Concen: 19.564 ng/uL
RT: 3.769 min Scan# 116
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion: 79 Resp: 71931
Ion Ratio Lower Upper
79 100
52 90.6 72.3 108.5
51 42.4 33.4 50.0

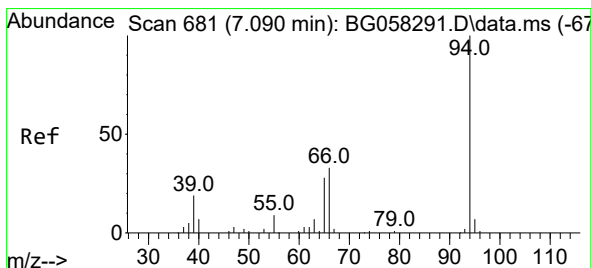
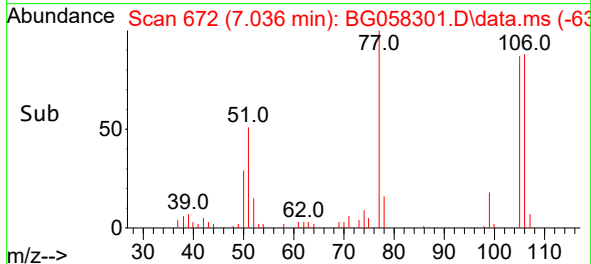
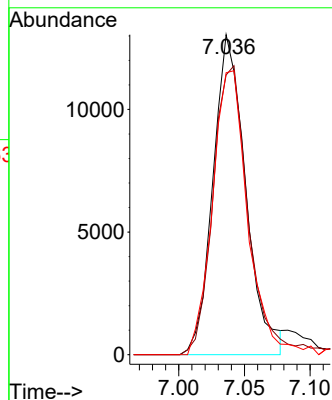
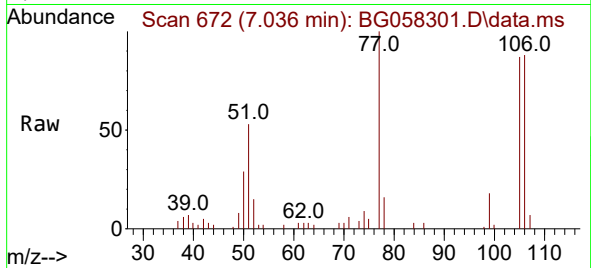




#6
Benzaldehyde
Concen: 13.660 ng/ul
RT: 7.036 min Scan# 672
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

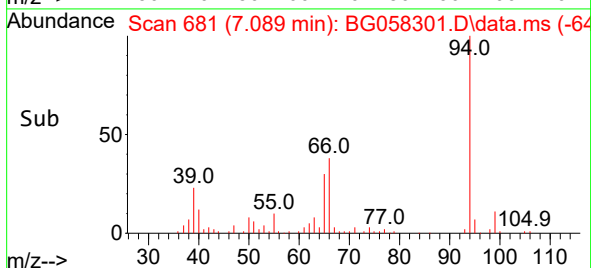
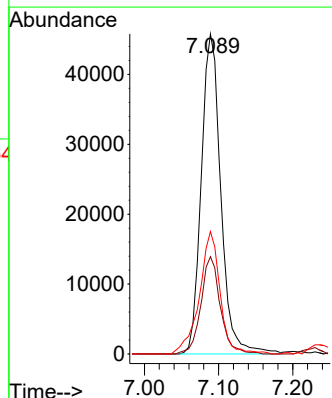
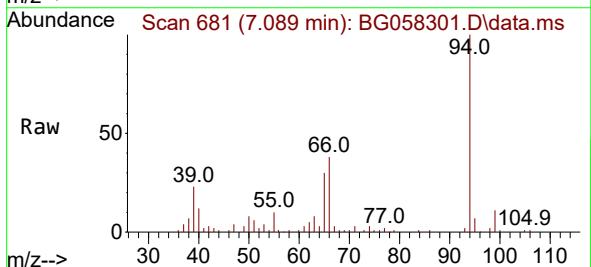
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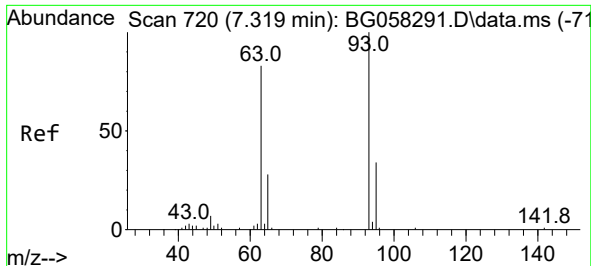
Tgt Ion: 77 Resp: 22593
Ion Ratio Lower Upper
77 100
105 87.4 78.2 117.4
106 88.1 71.6 107.4



#8
Phenol
Concen: 19.795 ng/ul
RT: 7.089 min Scan# 681
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion: 94 Resp: 84191
Ion Ratio Lower Upper
94 100
65 30.4 23.8 35.8
66 38.3 31.2 46.8

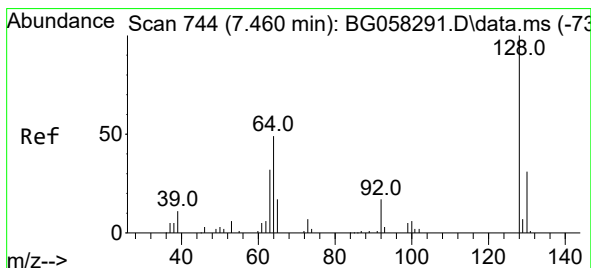
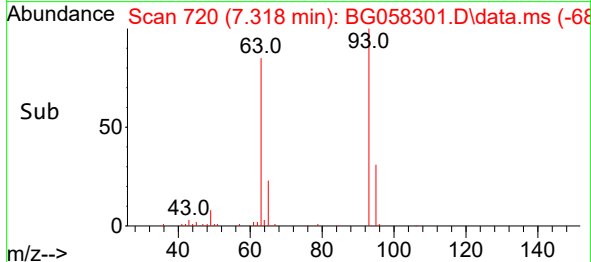
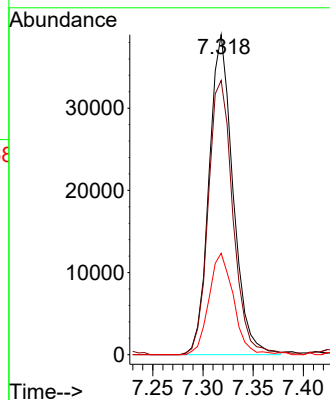
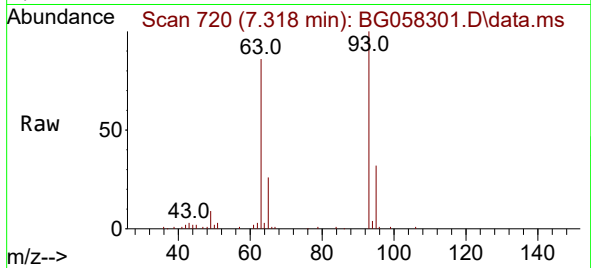




#10
Bis(2-Chloroethyl)ether
Concen: 19.834 ng/ul
RT: 7.318 min Scan# 720
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

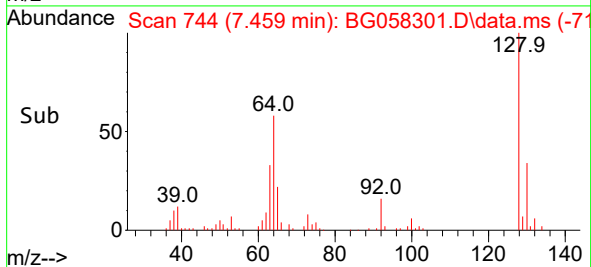
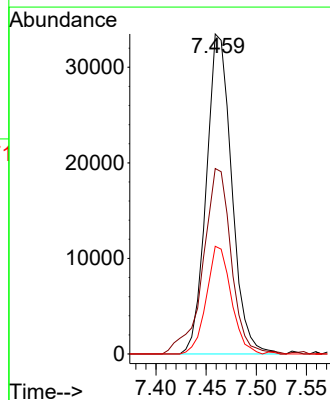
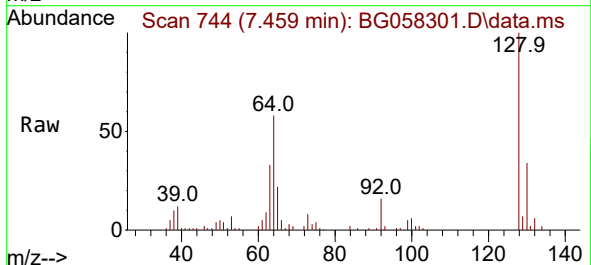
Instrument :
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ClientSampleId :

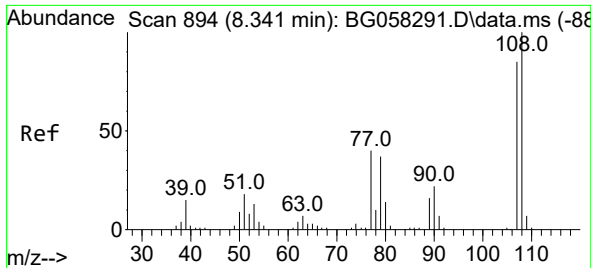
Tgt Ion: 93 Resp: 64622
Ion Ratio Lower Upper
93 100
63 85.7 67.7 101.5
95 31.7 27.0 40.6



#12
2-Chlorophenol
Concen: 19.698 ng/ul
RT: 7.459 min Scan# 744
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion: 128 Resp: 59110
Ion Ratio Lower Upper
128 100
64 57.9 45.6 68.4
130 33.7 25.2 37.8





#13

2-Methylphenol

Concen: 19.134 ng/ul

RT: 8.340 min Scan# 894

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

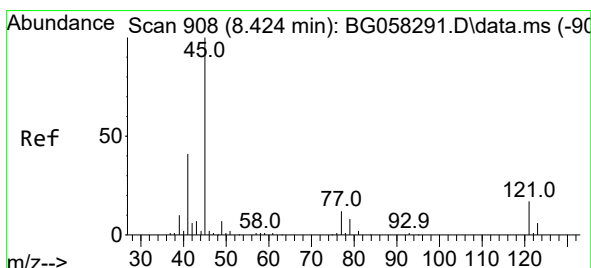
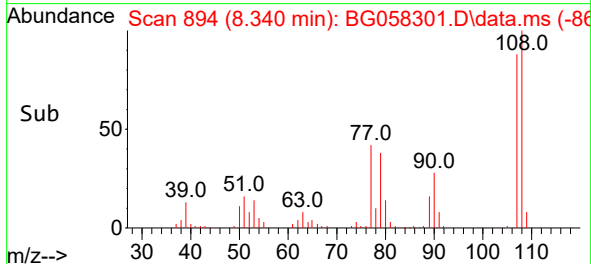
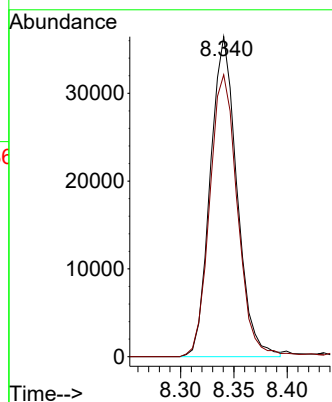
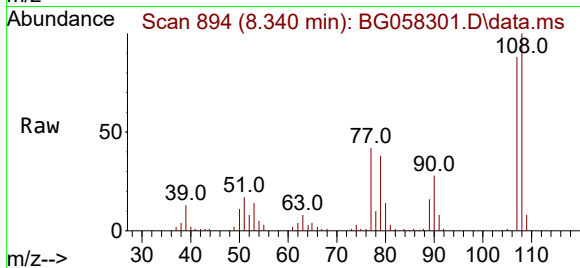
ClientSampleId :

Tgt Ion:108 Resp: 63426

Ion Ratio Lower Upper

108 100

107 88.1 71.5 107.3



#14

2,2'-oxybis(1-Chloropropane)

Concen: 20.115 ng/ul

RT: 8.423 min Scan# 908

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

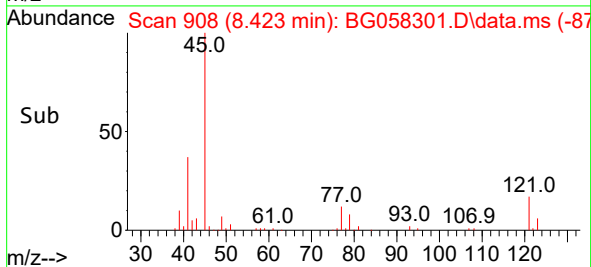
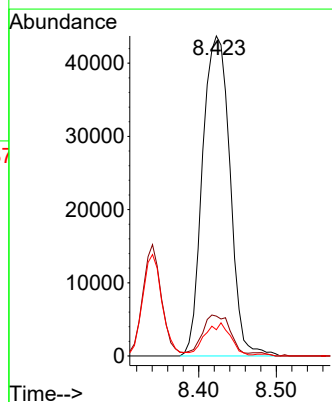
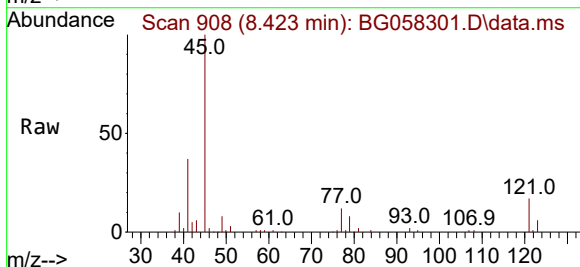
Tgt Ion: 45 Resp: 107404

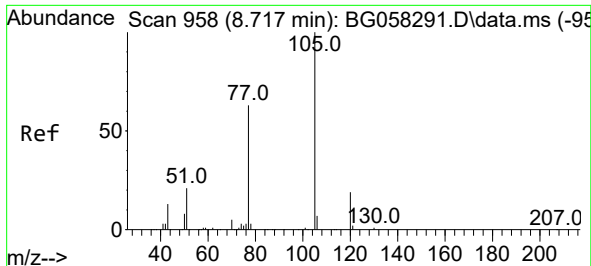
Ion Ratio Lower Upper

45 100

77 12.5 9.4 14.2

79 8.2 7.4 11.2

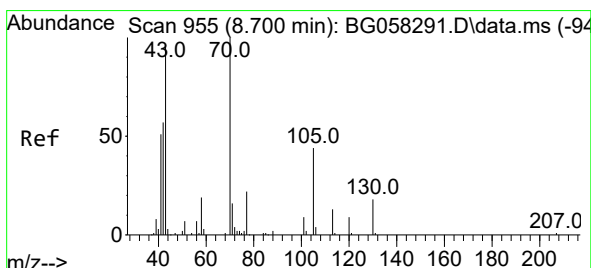
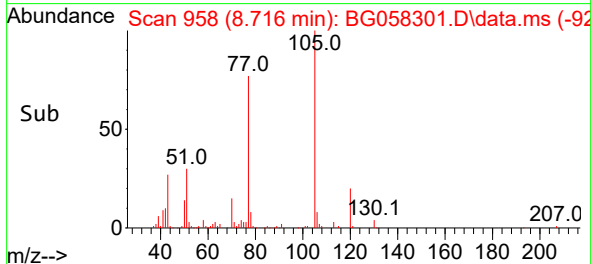
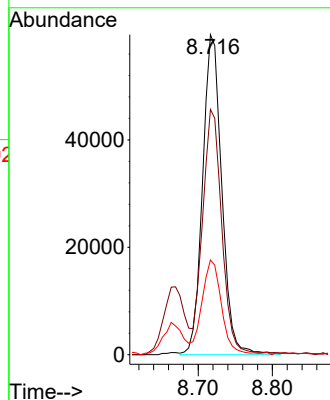
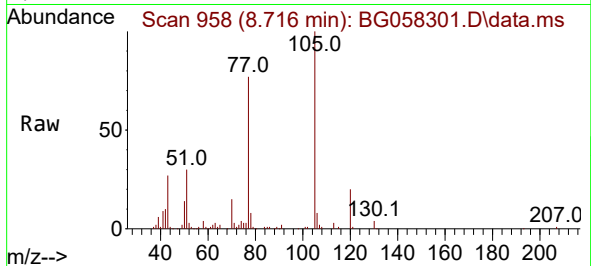




#16
Acetophenone
Concen: 20.198 ng/ul
RT: 8.716 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG058301.D
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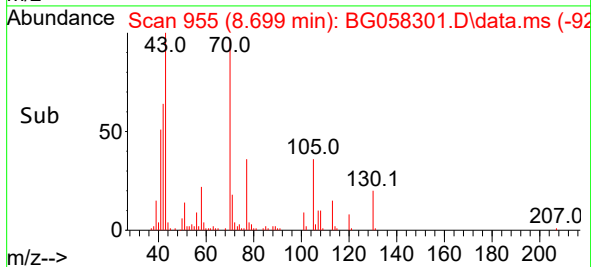
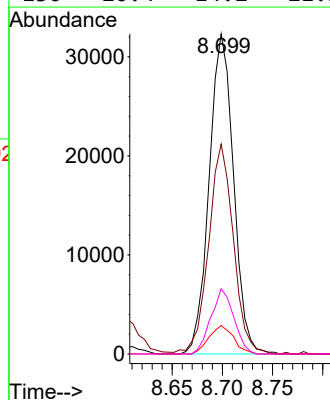
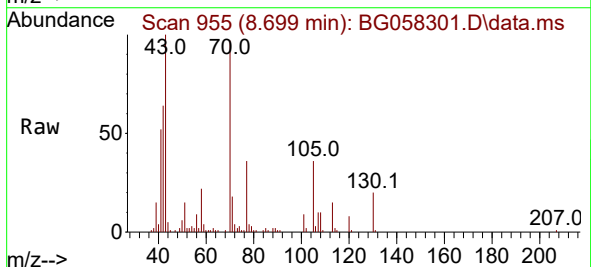
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BNA_M
ClientSampleId :

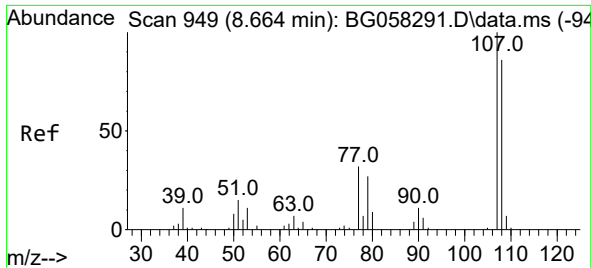
Tgt Ion:105 Resp: 107453
Ion Ratio Lower Upper
105 100
77 76.7 60.7 91.1
51 29.6 23.5 35.3



#17
N-Nitroso-di-n-propylamine
Concen: 18.760 ng/ul
RT: 8.699 min Scan# 955
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion: 70 Resp: 54623
Ion Ratio Lower Upper
70 100
42 65.6 46.6 69.8
101 8.9 7.3 10.9
130 20.4 14.2 21.2

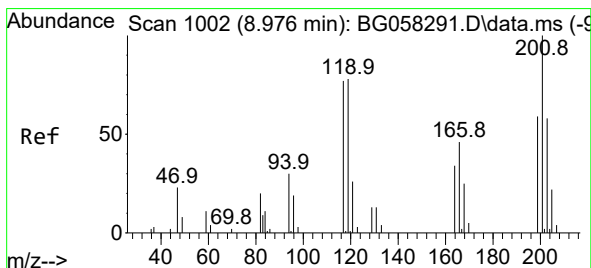
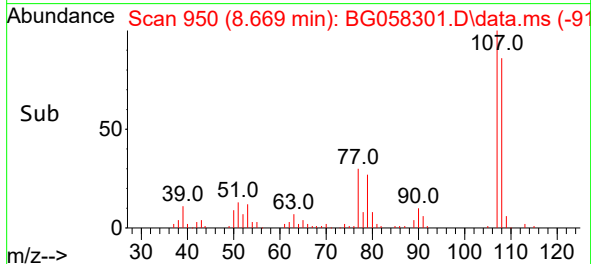
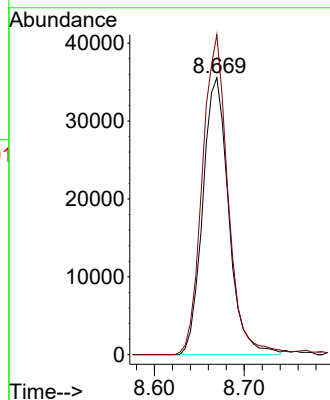
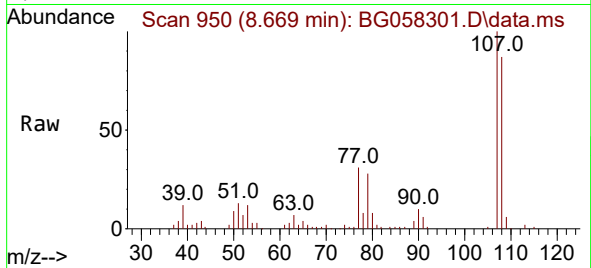




#18
4-Methylphenol
Concen: 19.812 ng/ul
RT: 8.669 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

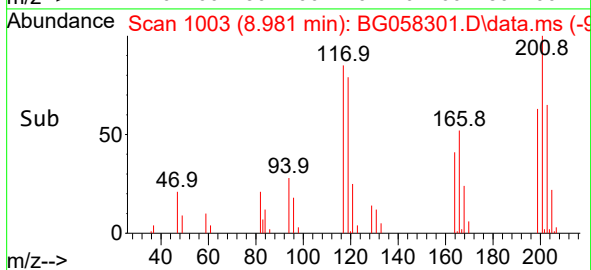
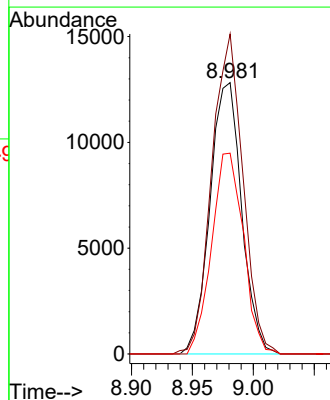
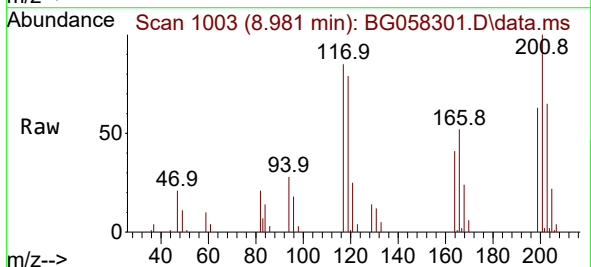
Instrument :
BNA_M
ClientSampleId :

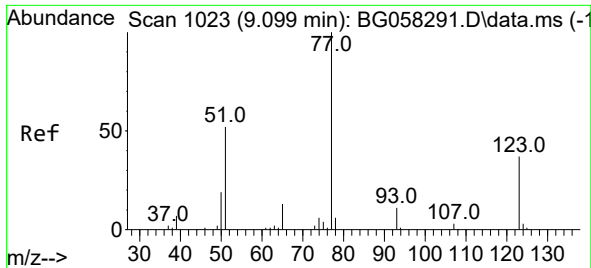
Tgt Ion:108 Resp: 71371
Ion Ratio Lower Upper
108 100
107 115.5 90.6 136.0



#19
Hexachloroethane
Concen: 19.610 ng/ul
RT: 8.981 min Scan# 1003
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:117 Resp: 23195
Ion Ratio Lower Upper
117 100
201 120.8 103.6 155.4
199 74.0 60.1 90.1

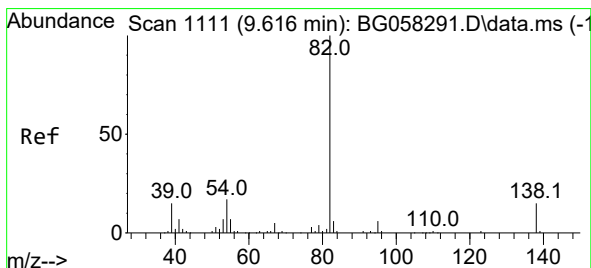
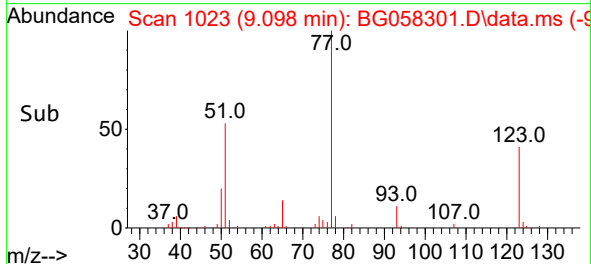
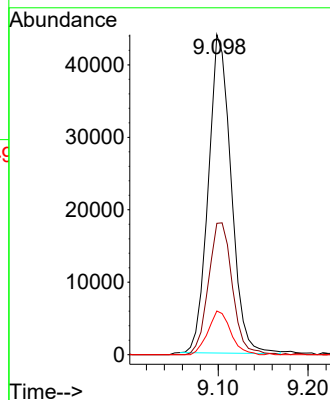
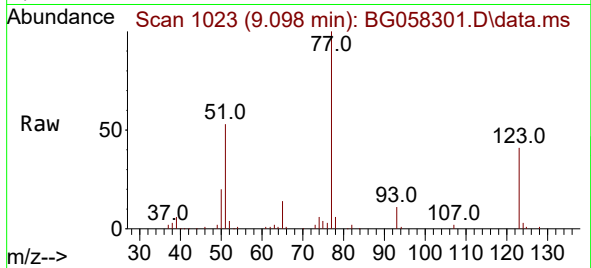




#22
Nitrobenzene
Concen: 18.620 ng/ul
RT: 9.098 min Scan# 1101
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

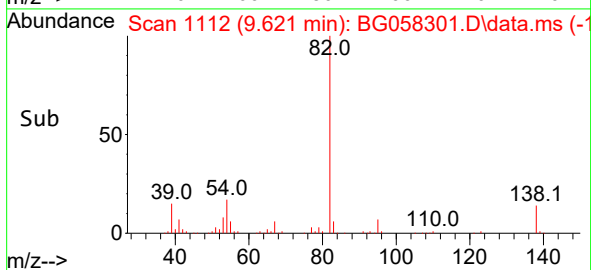
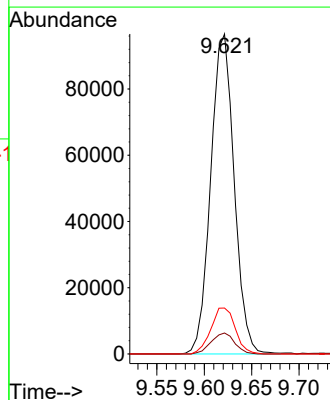
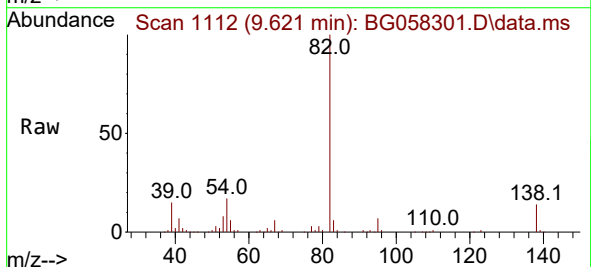
Instrument :
BNA_M
ClientSampleId :

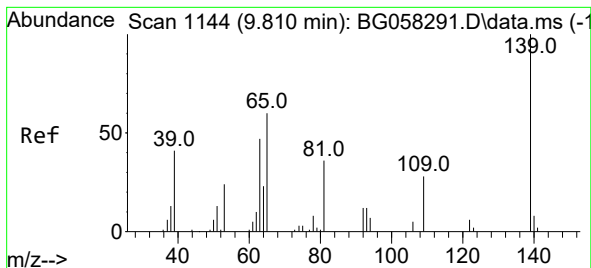
Tgt Ion: 77 Resp: 77365
Ion Ratio Lower Upper
77 100
123 41.1 34.0 51.0
65 13.7 11.0 16.6



#23
Isophorone
Concen: 17.839 ng/ul
RT: 9.621 min Scan# 1112
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion: 82 Resp: 166172
Ion Ratio Lower Upper
82 100
95 6.5 5.1 7.7
138 14.4 11.9 17.9





#25

2-Nitrophenol

Concen: 19.586 ng/ul

RT: 9.815 min Scan# 1145

Delta R.T. 0.001 min

Lab File: BG058301.D

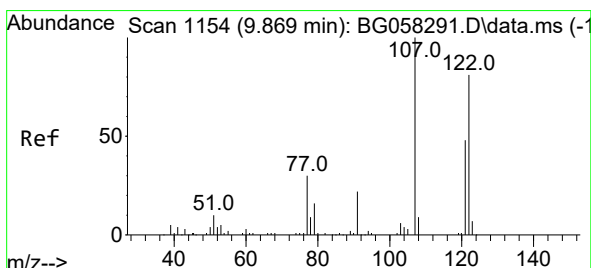
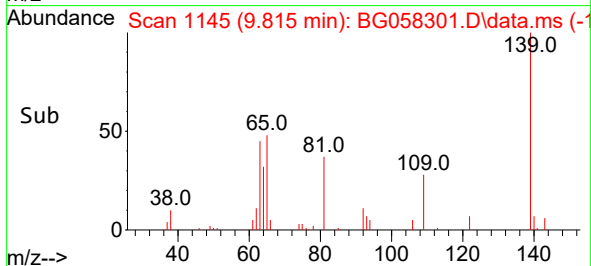
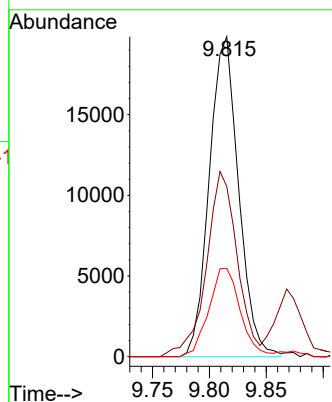
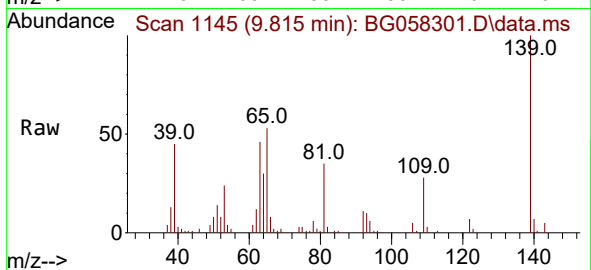
Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:139	Resp:	35586
Ion Ratio	Lower	Upper
139	100	
65	53.2	49.2 73.8
109	27.6	21.6 32.4



#26

2,4-Dimethylphenol

Concen: 19.406 ng/ul

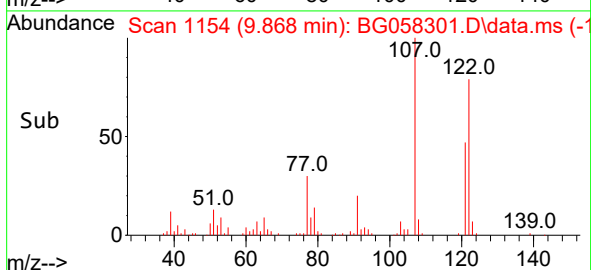
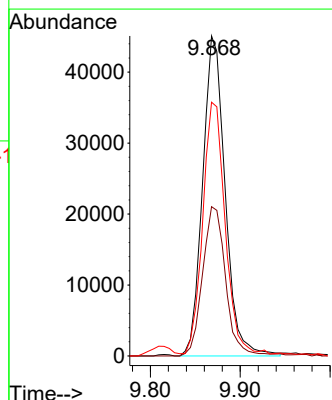
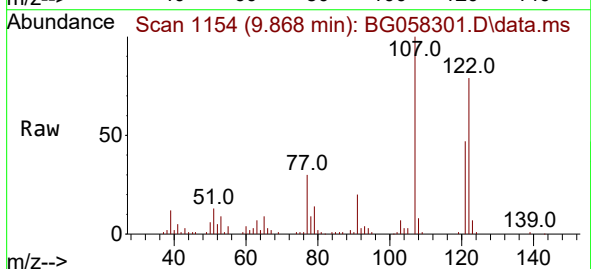
RT: 9.868 min Scan# 1154

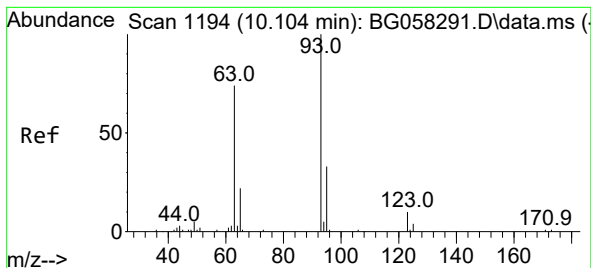
Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Tgt Ion:107	Resp:	78618
Ion Ratio	Lower	Upper
107	100	
121	46.7	39.1 58.7
122	79.3	68.9 103.3

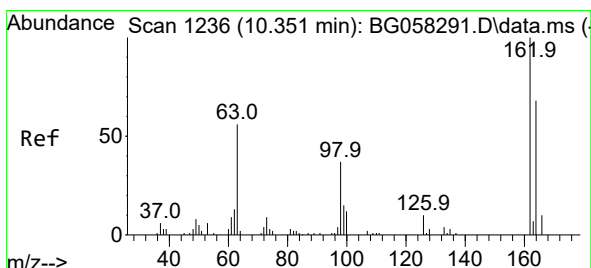
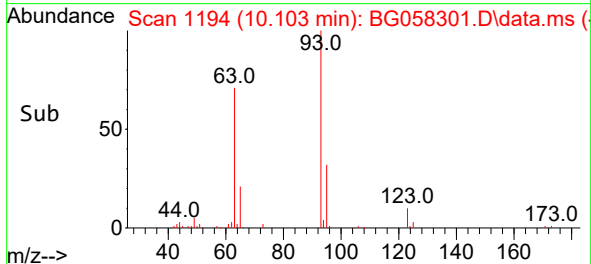
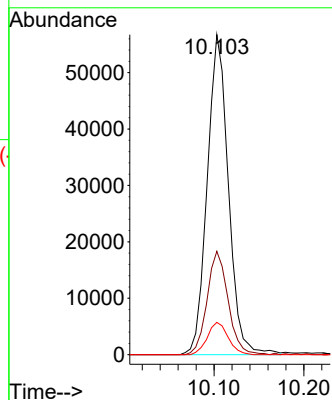
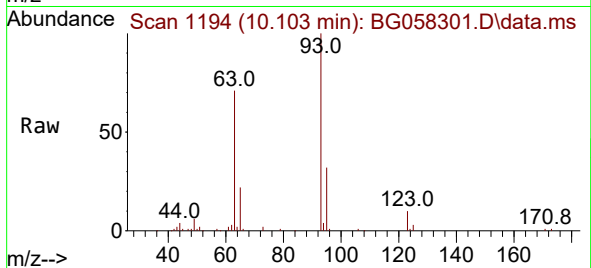




#27
 Bis(2-Chloroethoxy)methane
 Concen: 18.835 ng/ul
 RT: 10.103 min Scan# 1194
 Delta R.T. -0.005 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

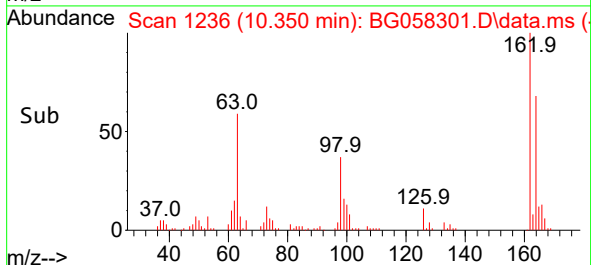
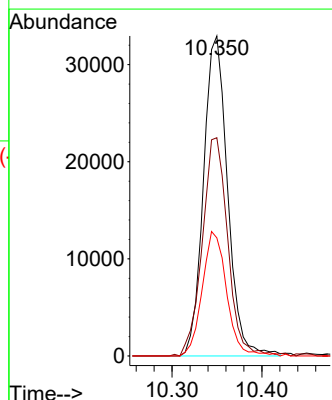
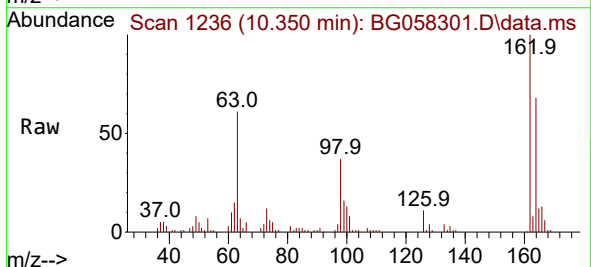
Instrument :
 BNA_M
 ClientSampleId :

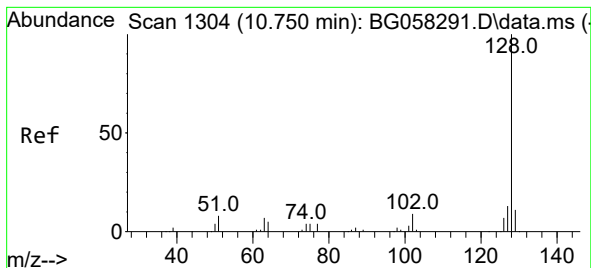
Tgt Ion: 93 Resp: 92924
 Ion Ratio Lower Upper
 93 100
 95 32.3 25.8 38.8
 123 10.1 9.3 13.9



#29
 2,4-Dichlorophenol
 Concen: 19.851 ng/ul
 RT: 10.350 min Scan# 1236
 Delta R.T. 0.001 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

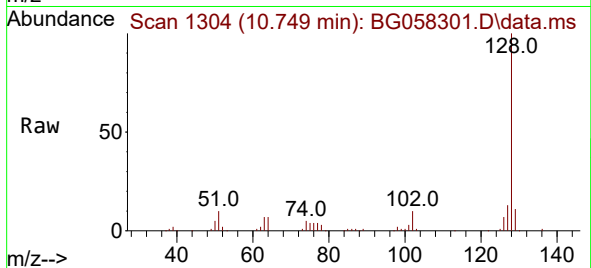
Tgt Ion:162 Resp: 61436
 Ion Ratio Lower Upper
 162 100
 164 68.2 58.4 87.6
 98 36.9 29.6 44.4



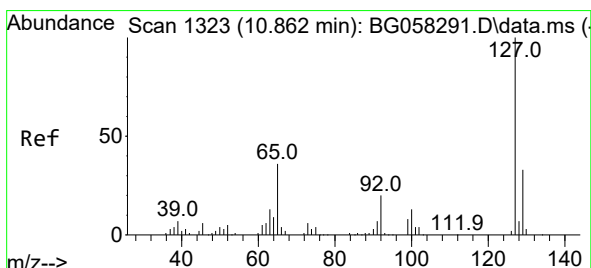
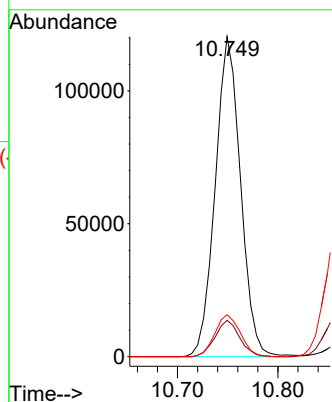
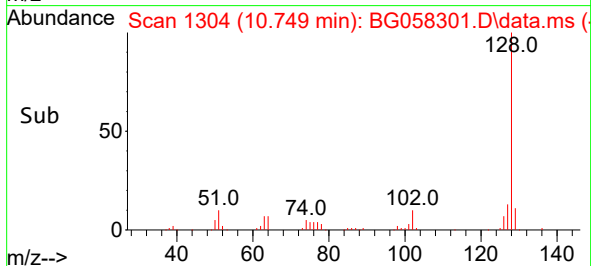


#30
Naphthalene
Concen: 18.934 ng/ul
RT: 10.749 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Instrument :
BNA_M
ClientSampleId :

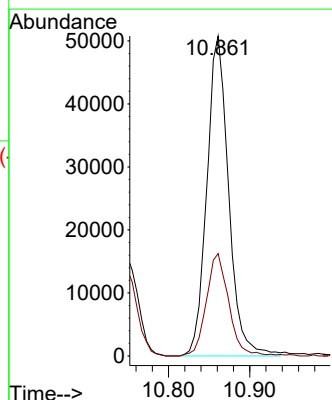
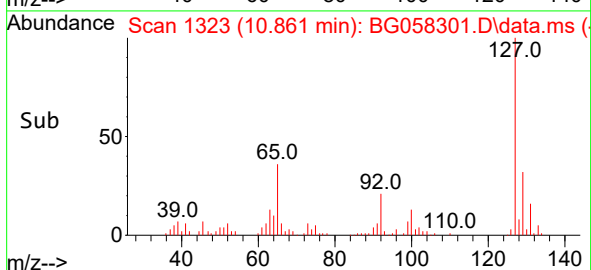
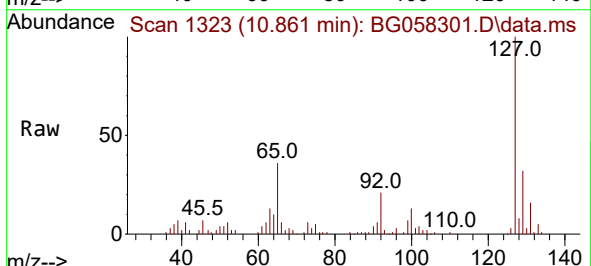


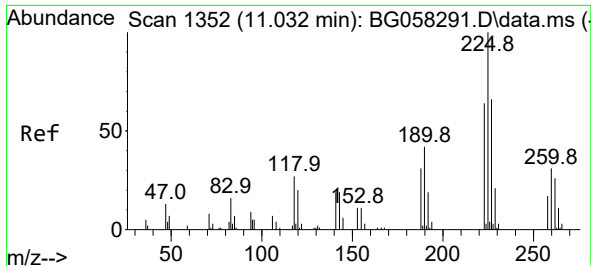
Tgt Ion:128 Resp: 210372
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.1 10.8 16.2



#32
4-Chloroaniline
Concen: 19.594 ng/ul
RT: 10.861 min Scan# 1323
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:127 Resp: 94662
Ion Ratio Lower Upper
127 100
129 32.0 26.1 39.1

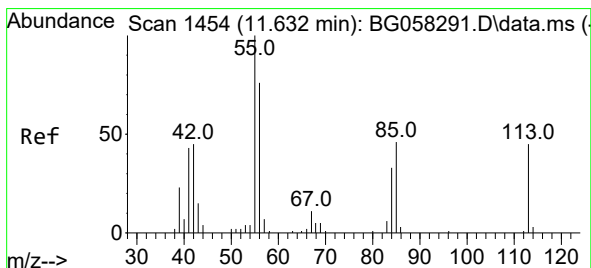
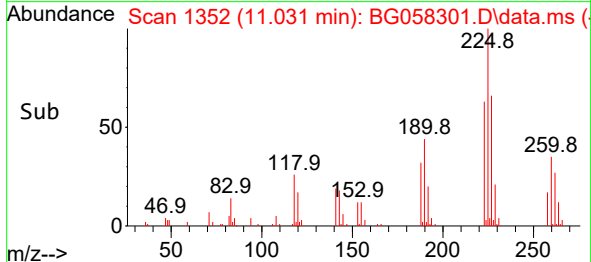
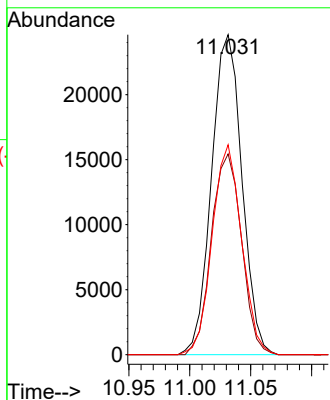
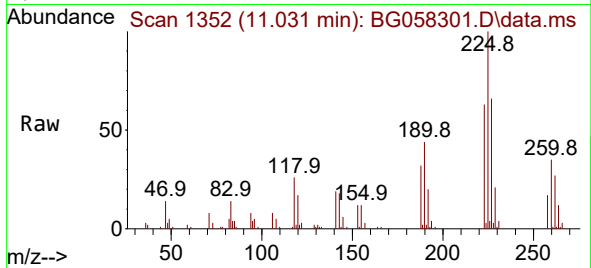




#33
Hexachlorobutadiene
Concen: 19.330 ng/ul
RT: 11.031 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

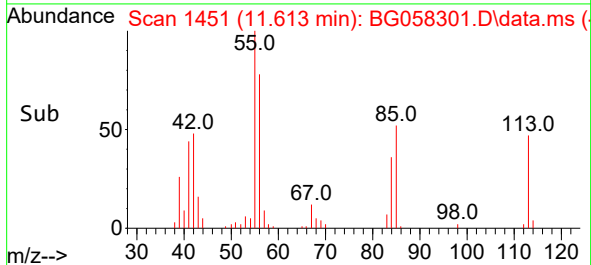
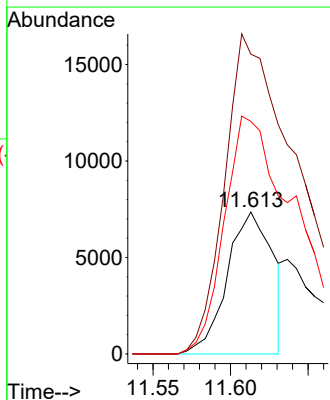
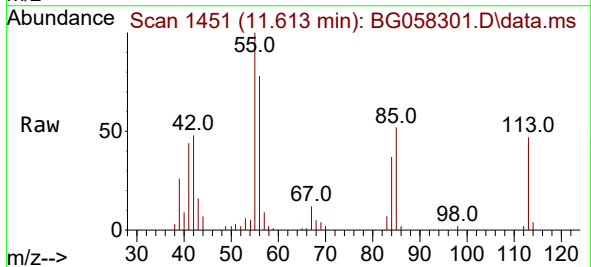
Instrument :
BNA_M
ClientSampleId :

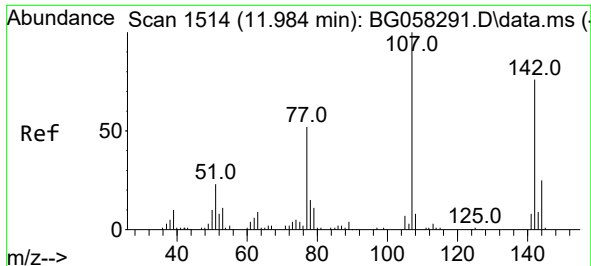
Tgt Ion:225 Resp: 42777
Ion Ratio Lower Upper
225 100
223 62.7 49.7 74.5
227 65.6 53.2 79.8



#34
Caprolactam
Concen: 11.654 ng/ul
RT: 11.613 min Scan# 1451
Delta R.T. -0.023 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:113 Resp: 14980
Ion Ratio Lower Upper
113 100
55 211.2 179.8 269.6
56 163.9 132.2 198.4





#35

4-Chloro-3-methylphenol

Concen: 19.882 ng/ul

RT: 11.989 min Scan# 1

Delta R.T. 0.001 min

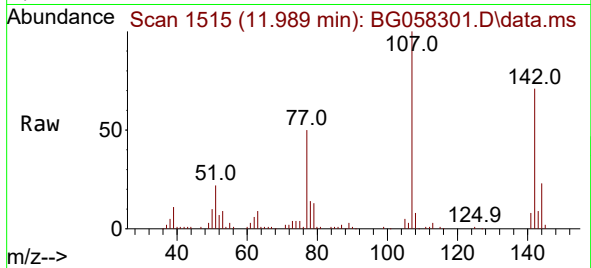
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :



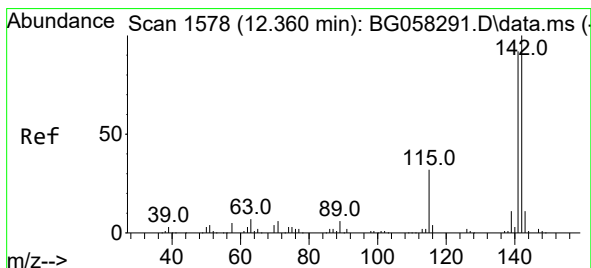
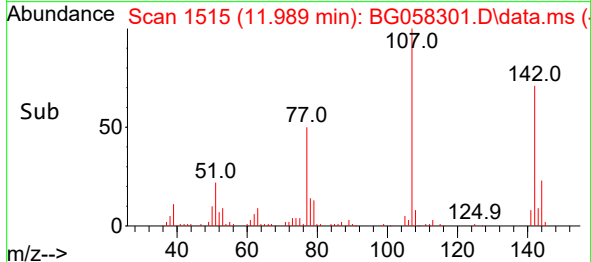
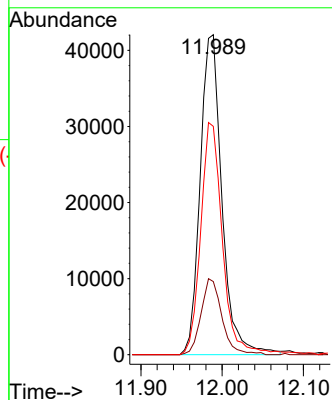
Tgt Ion:107 Resp: 78305

Ion Ratio Lower Upper

107 100

144 22.9 19.0 28.6

142 71.4 55.8 83.6



#36

2-Methylnaphthalene

Concen: 19.275 ng/ul

RT: 12.359 min Scan# 1578

Delta R.T. 0.001 min

Lab File: BG058301.D

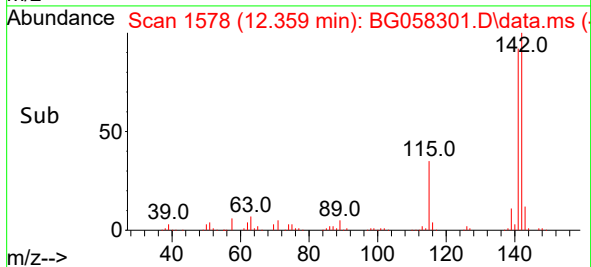
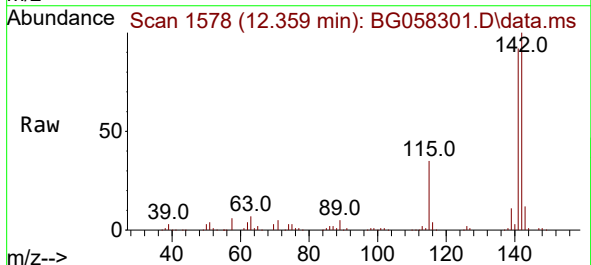
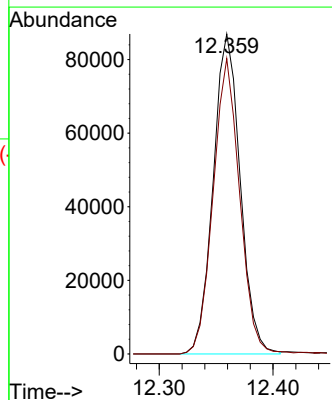
Acq: 18 Jul 2023 14:58

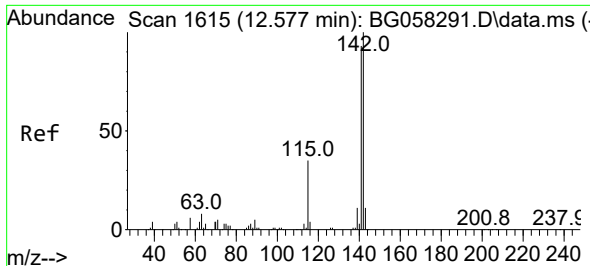
Tgt Ion:142 Resp: 143479

Ion Ratio Lower Upper

142 100

141 92.3 72.6 108.8





#37

1-Methylnaphthalene

Concen: 19.382 ng/ul

RT: 12.577 min Scan# 1

Delta R.T. -0.005 min

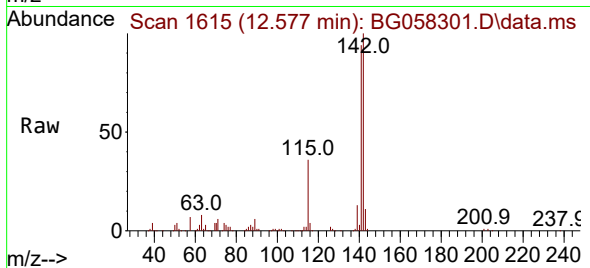
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :



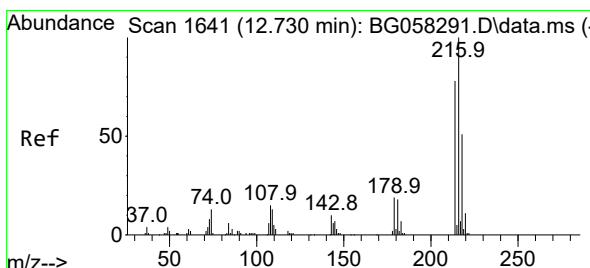
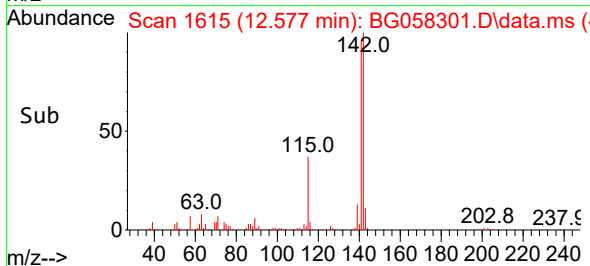
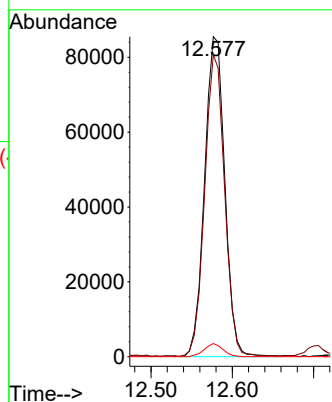
Tgt Ion:142 Resp: 147866

Ion Ratio Lower Upper

142 100

141 94.4 75.8 113.6

116 4.1 3.2 4.8



#39

1,2,4,5-Tetrachlorobenzene

Concen: 19.421 ng/ul

RT: 12.724 min Scan# 1640

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Tgt Ion:216 Resp: 86026

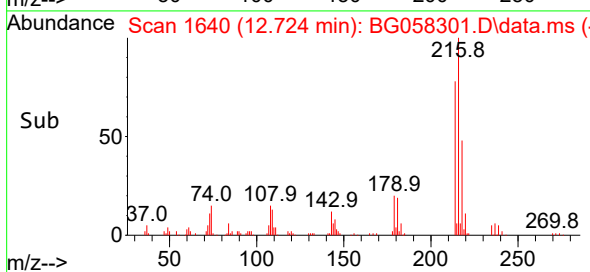
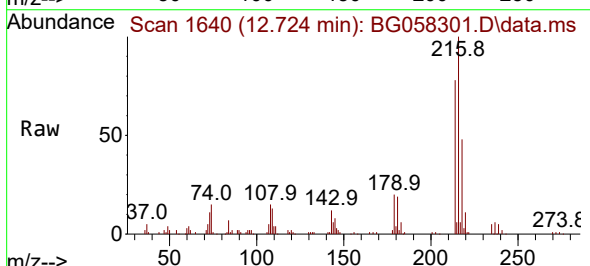
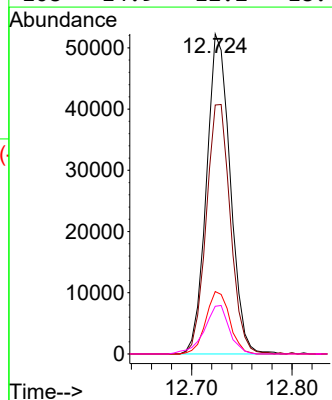
Ion Ratio Lower Upper

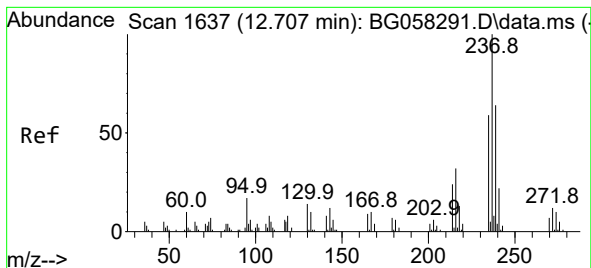
216 100

214 77.8 62.2 93.4

179 19.5 16.2 24.2

108 14.9 12.2 18.4





#40

Hexachlorocyclopentadiene

Concen: 16.585 ng/ul

RT: 12.706 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

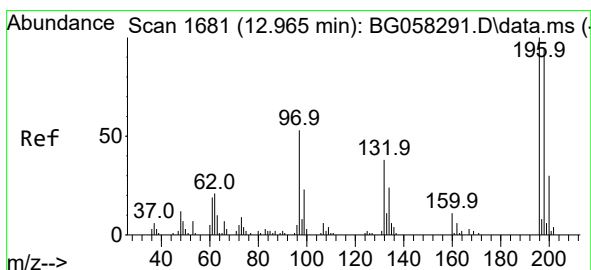
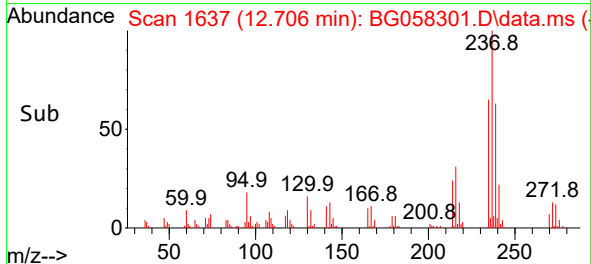
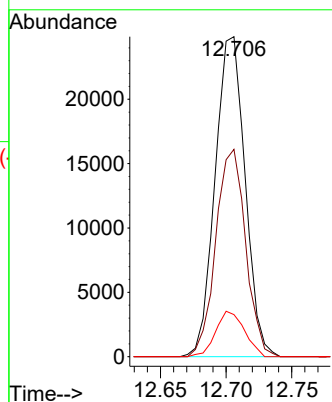
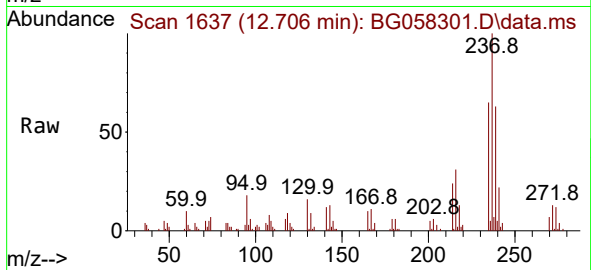
Tgt Ion:237 Resp: 39512

Ion Ratio Lower Upper

237 100

235 64.8 50.9 76.3

272 13.1 10.8 16.2



#41

2,4,6-Trichlorophenol

Concen: 19.560 ng/ul

RT: 12.970 min Scan# 1682

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

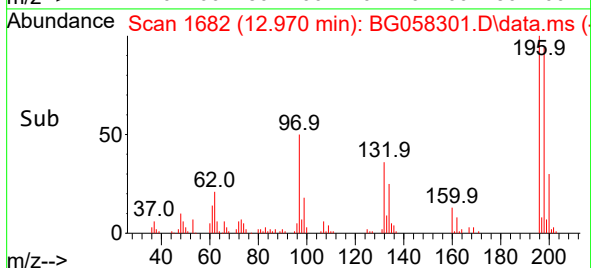
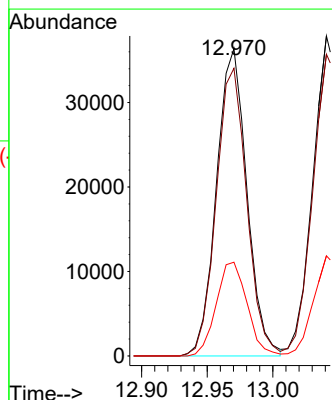
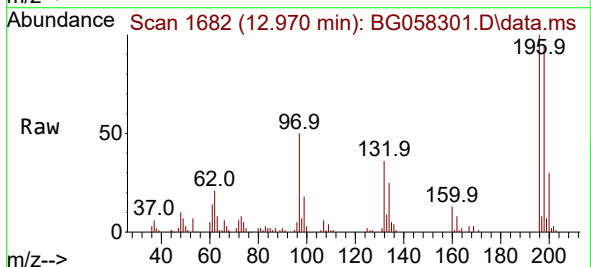
Tgt Ion:196 Resp: 58654

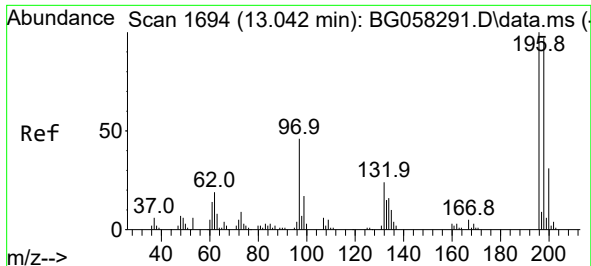
Ion Ratio Lower Upper

196 100

198 93.6 77.7 116.5

200 30.5 25.0 37.6





#42

2,4,5-Trichlorophenol

Concen: 19.713 ng/ul

RT: 13.041 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

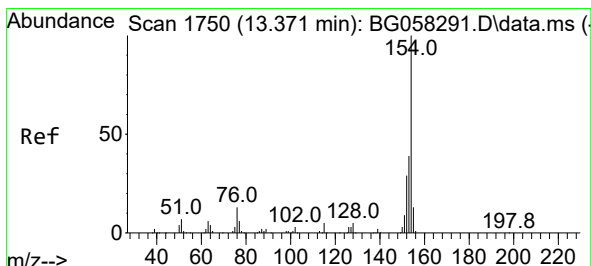
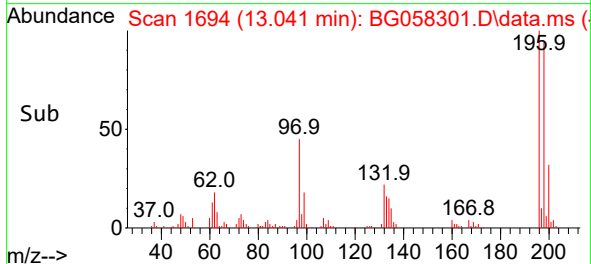
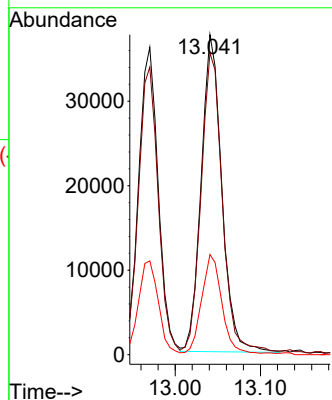
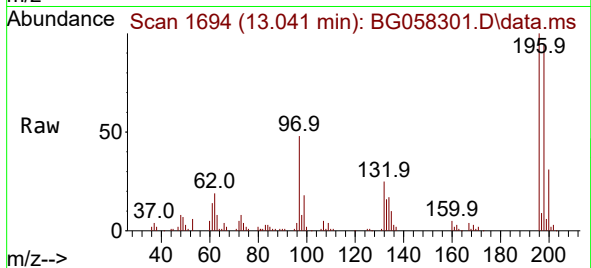
Tgt Ion:196 Resp: 63032

Ion Ratio Lower Upper

196 100

198 94.3 74.8 112.2

200 31.3 24.4 36.6



#43

1,1'-Biphenyl

Concen: 18.675 ng/ul

RT: 13.364 min Scan# 1749

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

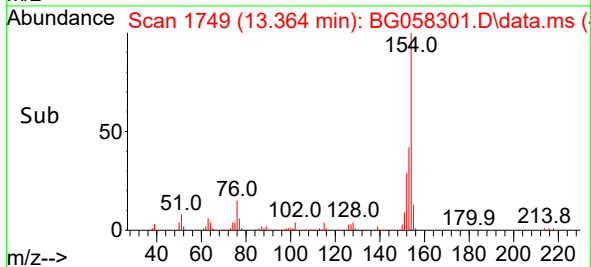
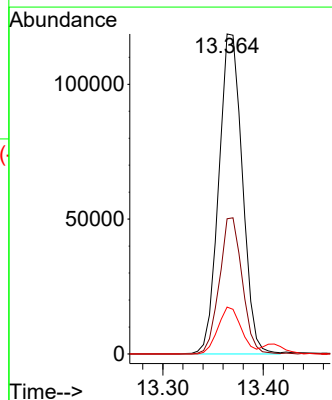
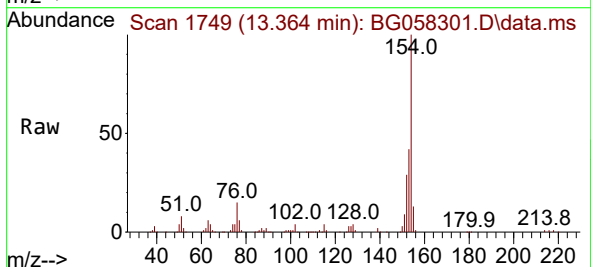
Tgt Ion:154 Resp: 193228

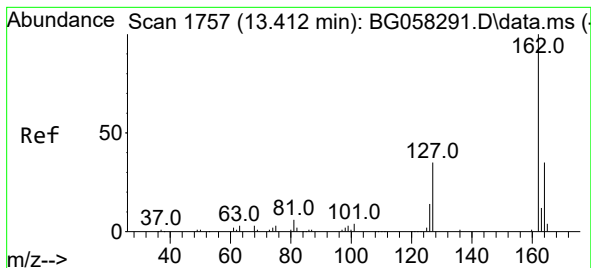
Ion Ratio Lower Upper

154 100

153 42.2 31.8 47.6

76 14.6 11.7 17.5





#44

2-Chloronaphthalene

Concen: 19.075 ng/ul

RT: 13.411 min Scan# 1

Delta R.T. -0.005 min

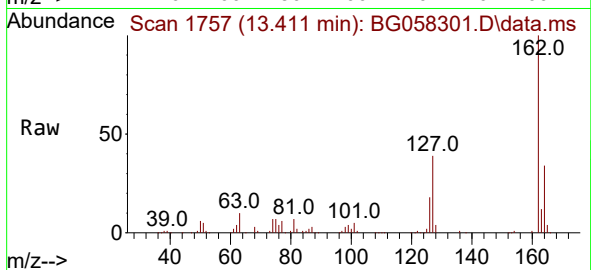
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :



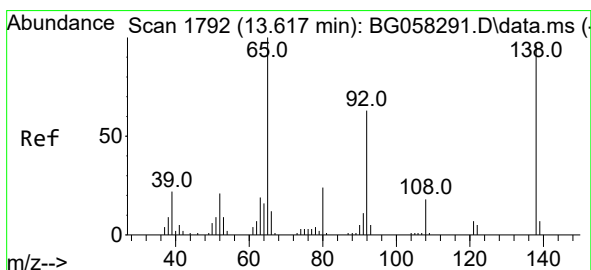
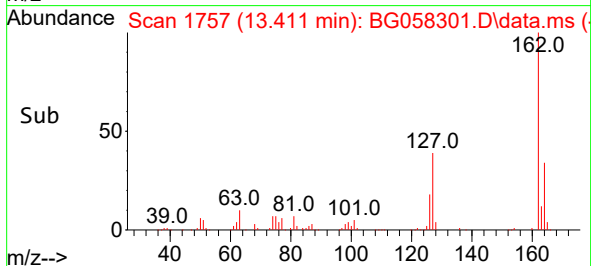
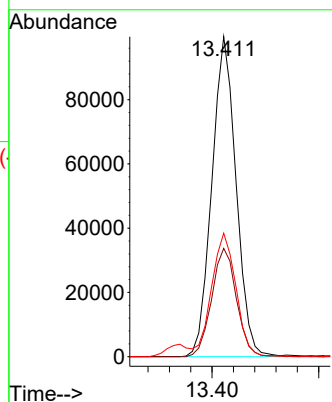
Tgt Ion:162 Resp: 156926

Ion Ratio Lower Upper

162 100

164 33.9 26.2 39.2

127 38.6 29.8 44.6



#45

2-Nitroaniline

Concen: 18.824 ng/ul

RT: 13.617 min Scan# 1792

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

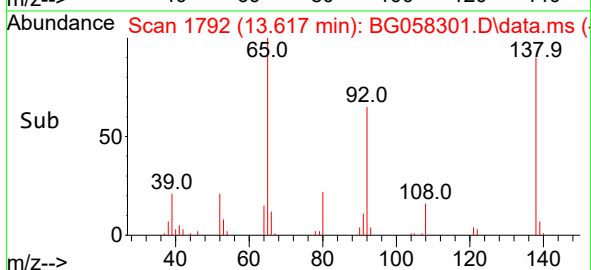
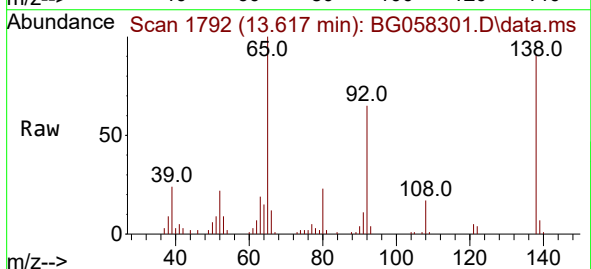
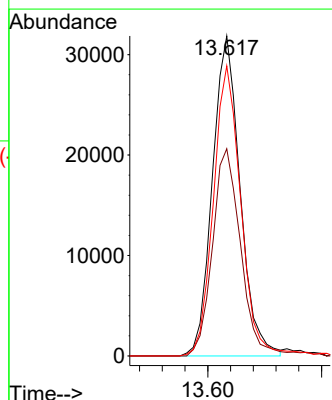
Tgt Ion: 65 Resp: 53792

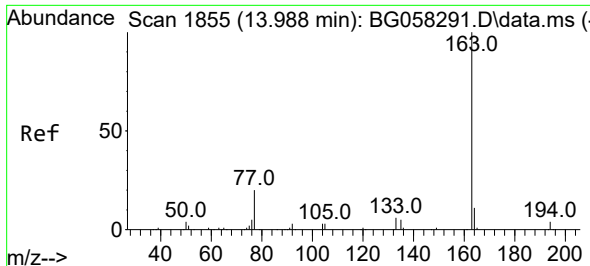
Ion Ratio Lower Upper

65 100

92 64.7 51.4 77.2

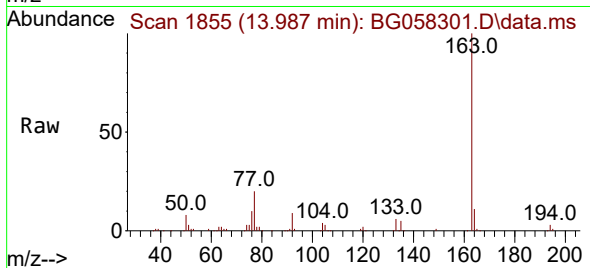
138 90.6 71.6 107.4



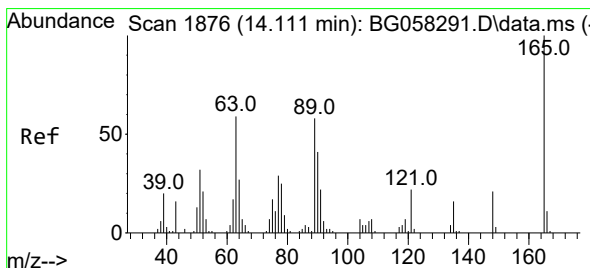
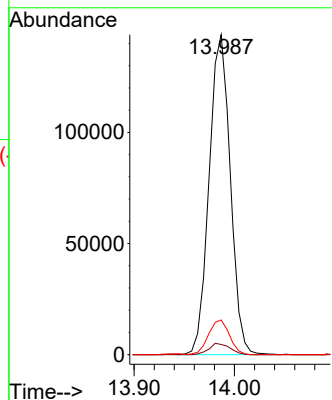
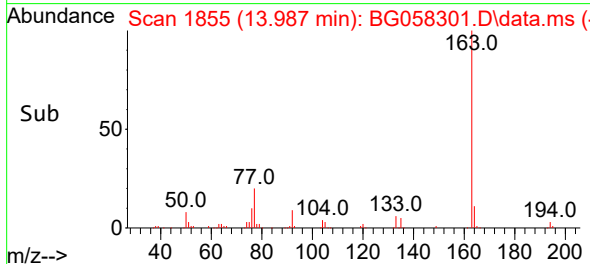


#47
Dimethylphthalate
Concen: 17.809 ng/ul
RT: 13.987 min Scan# 1855
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

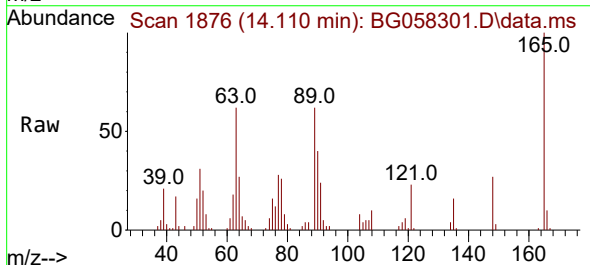
Instrument :
BNA_M
ClientSampleId :



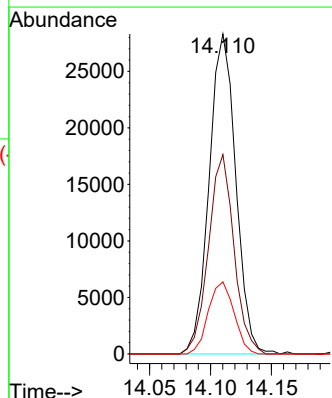
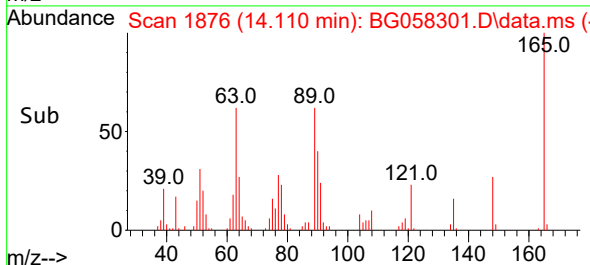
Tgt Ion:163 Resp: 211081
Ion Ratio Lower Upper
163 100
194 3.2 2.6 3.8
164 10.9 8.2 12.2

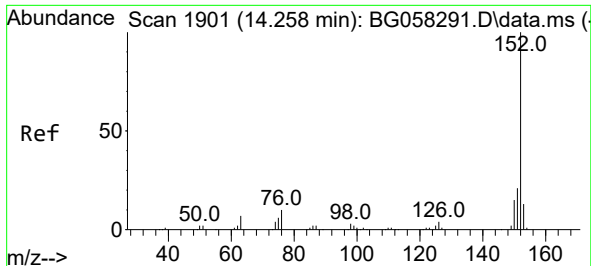


#48
2,6-Dinitrotoluene
Concen: 18.801 ng/ul
RT: 14.110 min Scan# 1876
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58



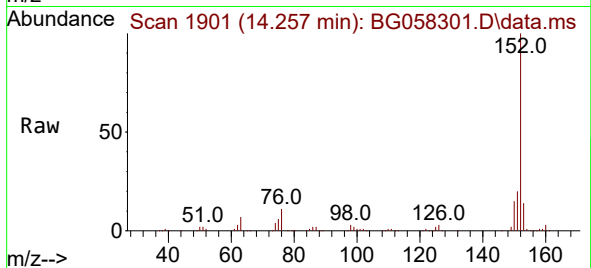
Tgt Ion:165 Resp: 43060
Ion Ratio Lower Upper
165 100
89 62.3 48.9 73.3
121 22.5 16.2 24.4



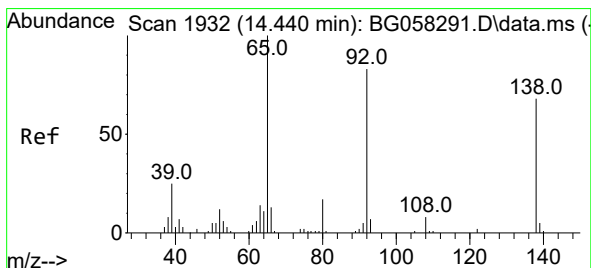
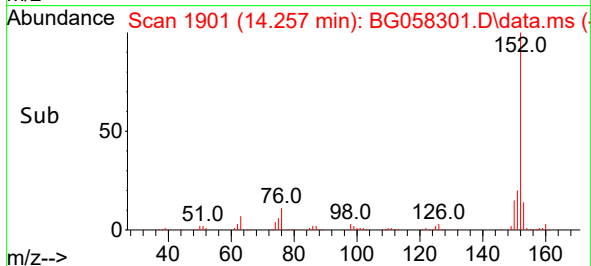
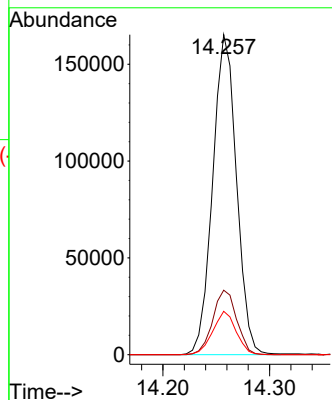


#50
Acenaphthylene
Concen: 19.214 ng/ul
RT: 14.257 min Scan# 1901
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Instrument :
BNA_M
ClientSampleId :

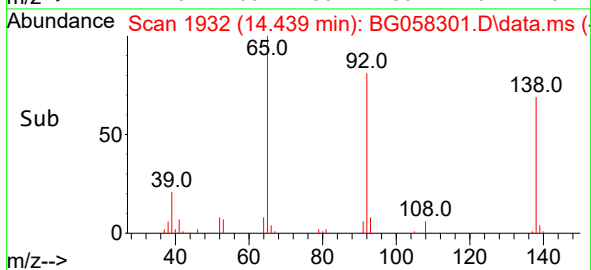
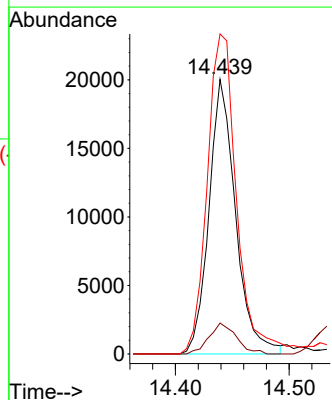
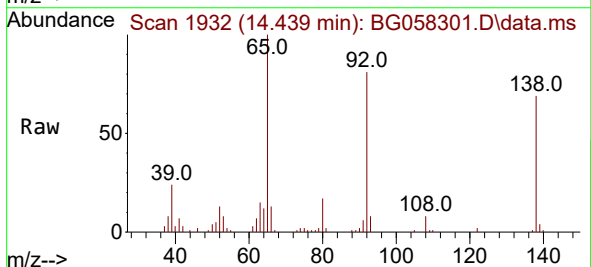


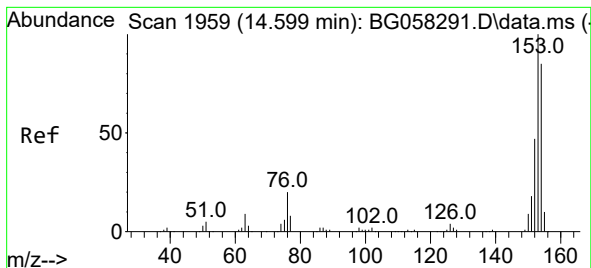
Tgt Ion:152 Resp: 256466
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.6 10.6 16.0



#51
3-Nitroaniline
Concen: 17.118 ng/ul
RT: 14.439 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:138 Resp: 32672
Ion Ratio Lower Upper
138 100
108 11.3 8.6 13.0
92 116.5 108.4 162.6





#52

Acenaphthene

Concen: 19.082 ng/ul

RT: 14.598 min Scan# 1959

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

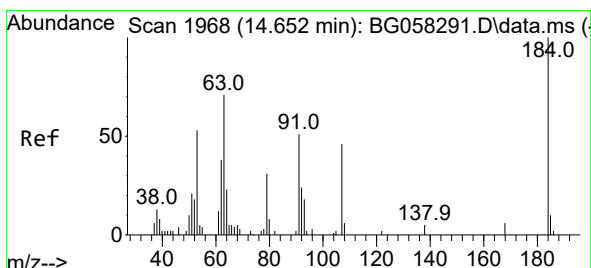
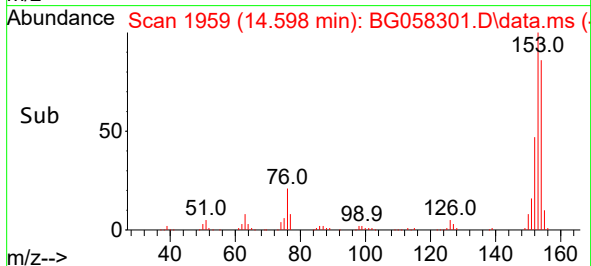
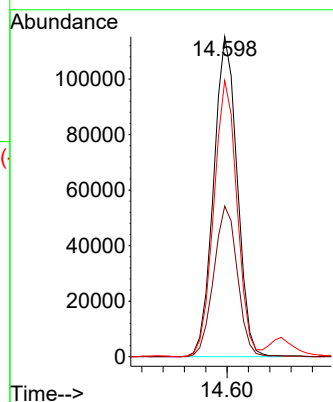
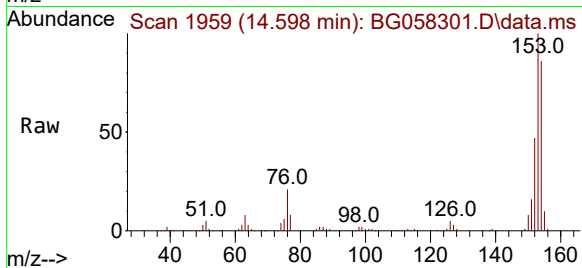
Tgt Ion:153 Resp: 176840

Ion Ratio Lower Upper

153 100

152 47.1 39.1 58.7

154 86.3 68.7 103.1



#53

2,4-Dinitrophenol

Concen: 16.535 ng/ul

RT: 14.651 min Scan# 1968

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

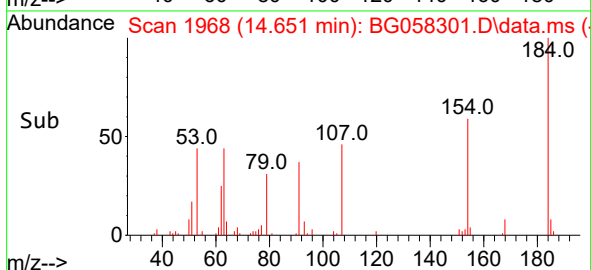
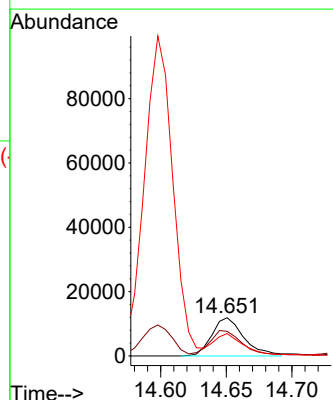
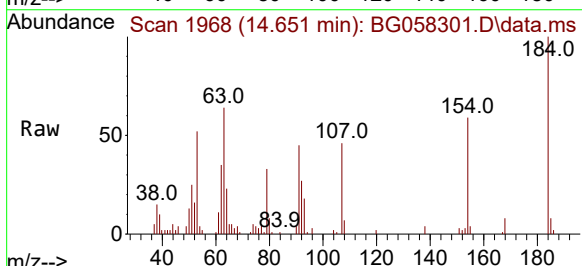
Tgt Ion:184 Resp: 20155

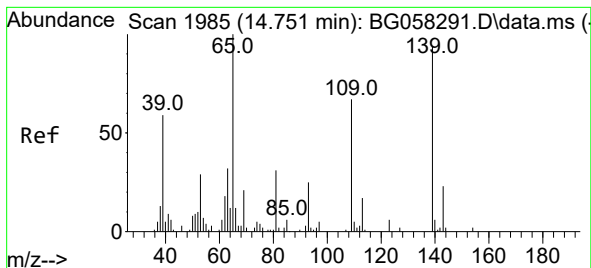
Ion Ratio Lower Upper

184 100

63 64.3 52.9 79.3

154 58.6 47.8 71.8

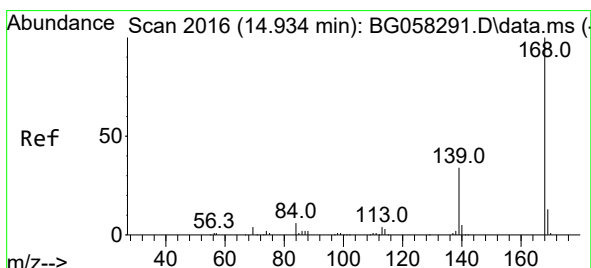
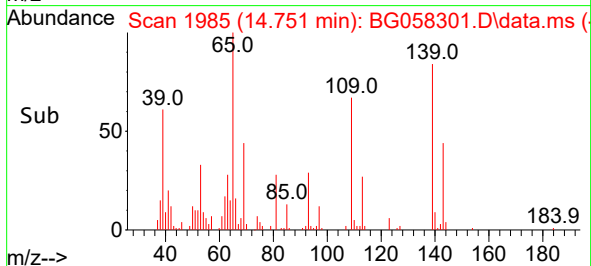
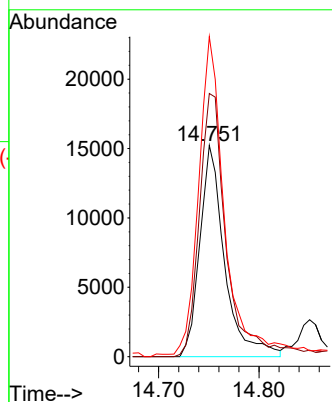
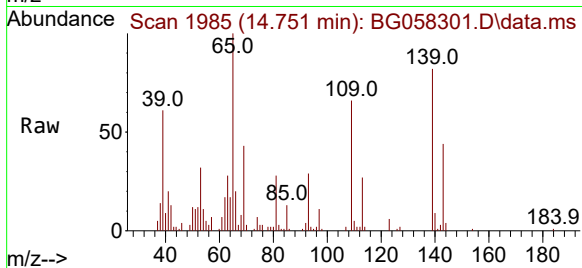




#55
4-Nitrophenol
Concen: 19.090 ng/ul
RT: 14.751 min Scan# 1985
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

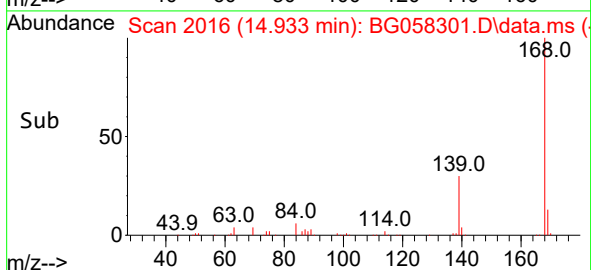
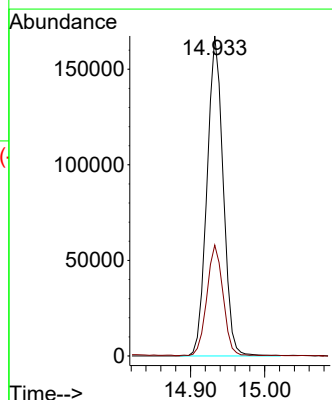
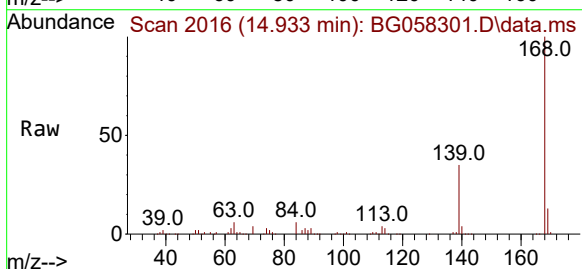
Instrument :
BNA_M
ClientSampleId :

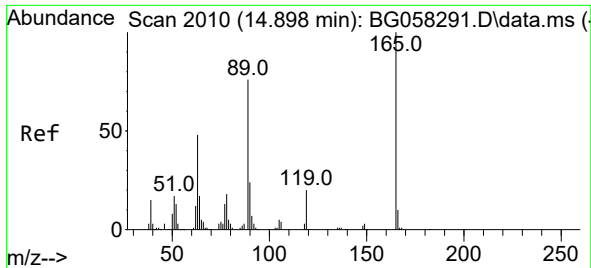
Tgt Ion	Ratio	Lower	Upper
109	100		
139	124.6	100.3	150.5
65	151.4	120.6	180.8



#56
Dibenzofuran
Concen: 19.191 ng/ul
RT: 14.933 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	27.8	41.8





#57

2,4-Dinitrotoluene

Concen: 19.204 ng/ul

RT: 14.897 min Scan# 2010

Delta R.T. -0.005 min

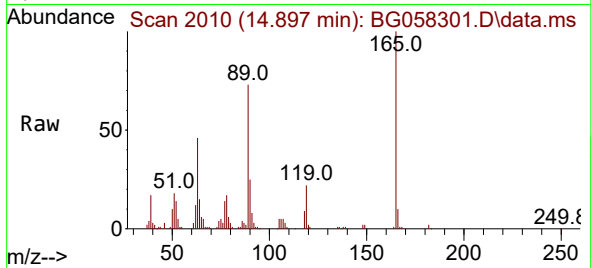
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

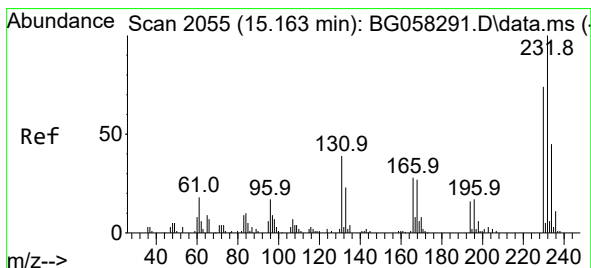
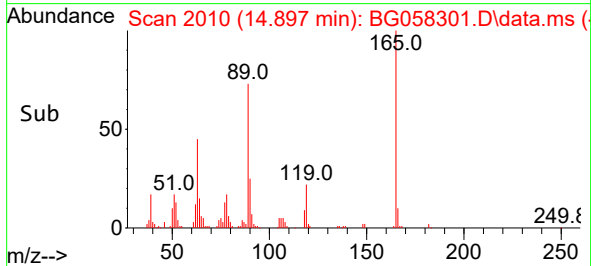
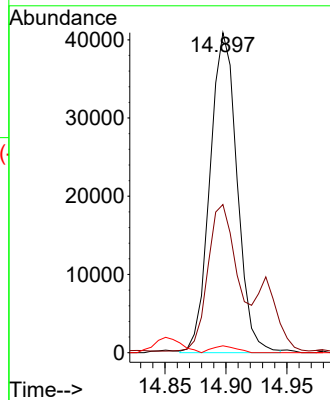
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	165	Resp:	63438
Ion Ratio	Lower	Upper	
165	100		
63	46.3	33.8	50.6
182	2.2	1.2	1.8#



#58

2,3,4,6-Tetrachlorophenol

Concen: 19.712 ng/ul

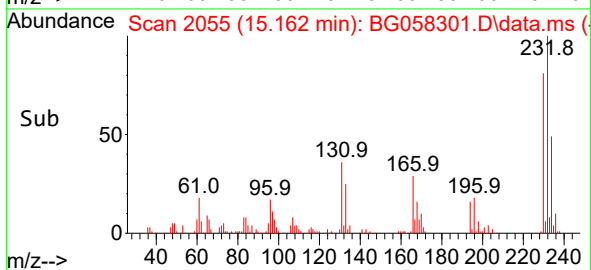
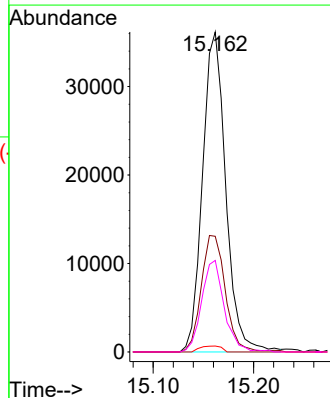
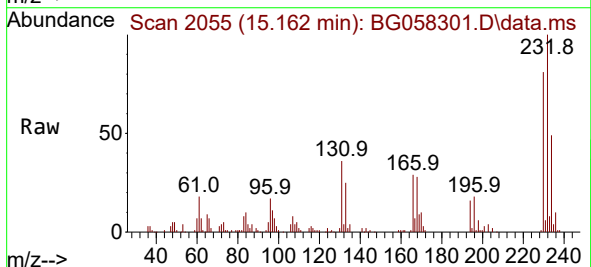
RT: 15.162 min Scan# 2055

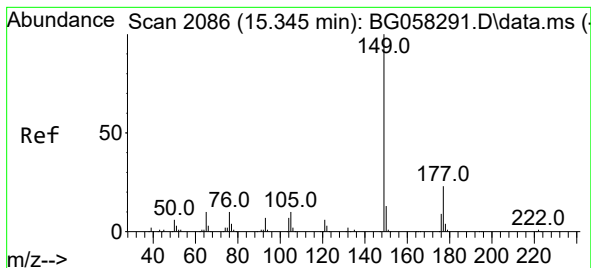
Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Tgt Ion:	232	Resp:	58233
Ion Ratio	Lower	Upper	
232	100		
131	36.1	29.0	43.6
130	1.8	1.1	1.7#
166	28.6	23.0	34.6





#59

Diethylphthalate

Concen: 17.801 ng/ul

RT: 15.350 min Scan# 2086

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

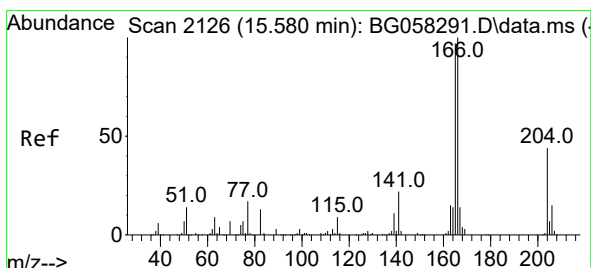
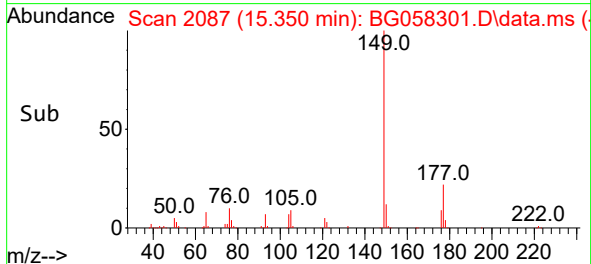
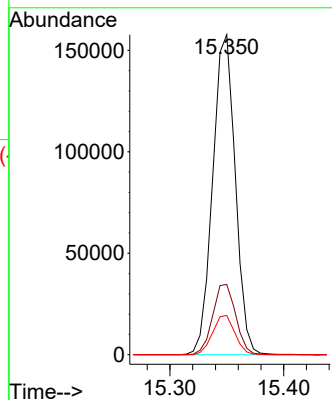
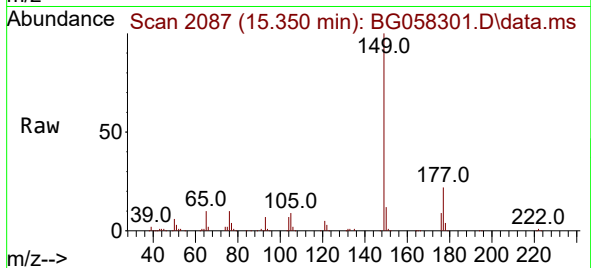
Tgt Ion:149 Resp: 217348

Ion Ratio Lower Upper

149 100

177 21.9 18.4 27.6

150 12.3 10.0 15.0



#61

Fluorene

Concen: 19.295 ng/ul

RT: 15.579 min Scan# 2126

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

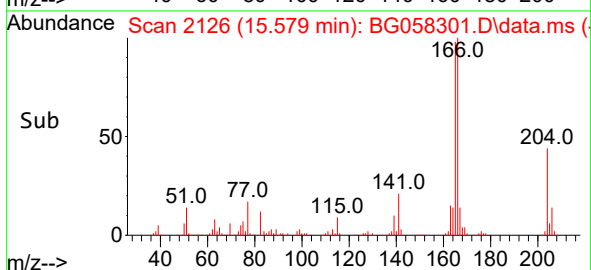
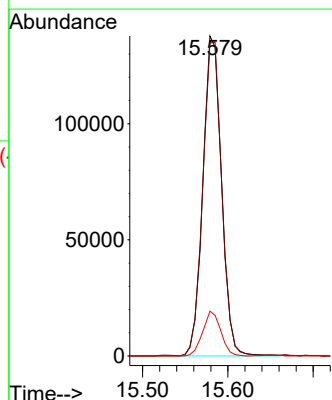
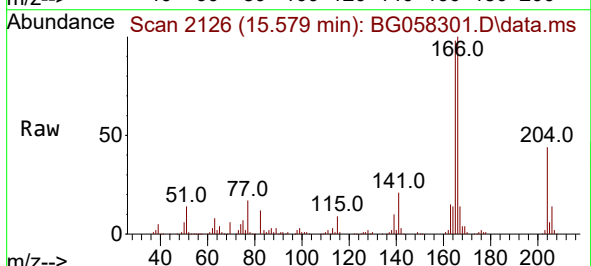
Tgt Ion:166 Resp: 208804

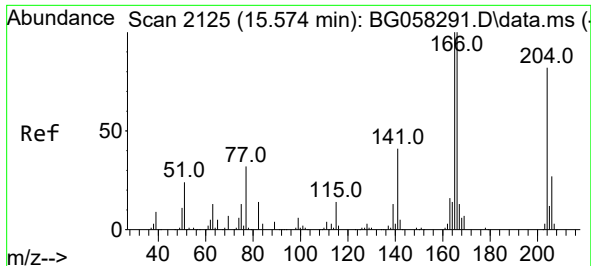
Ion Ratio Lower Upper

166 100

165 97.8 80.2 120.2

167 14.0 10.5 15.7





#62

4-Chlorophenyl-phenylether

Concen: 19.047 ng/ul

RT: 15.573 min Scan# 2125

Delta R.T. 0.001 min

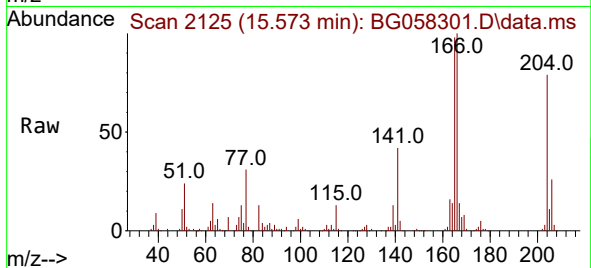
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :



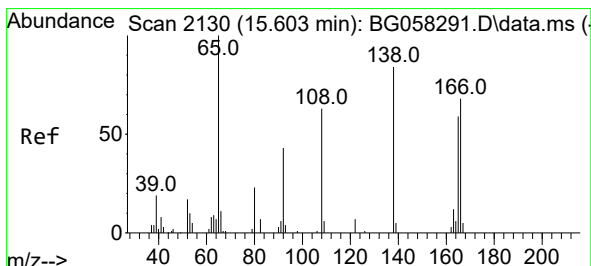
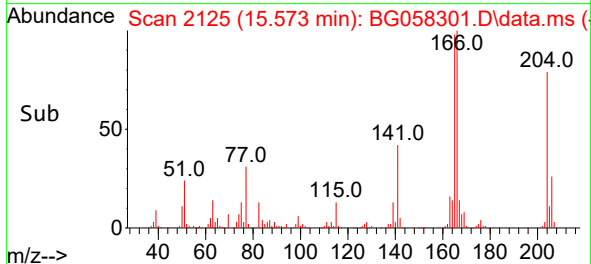
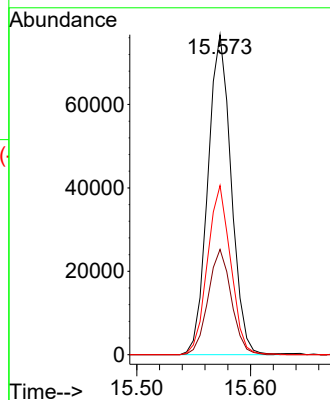
Tgt Ion:204 Resp: 109420

Ion Ratio Lower Upper

204 100

206 32.9 26.0 39.0

141 52.9 42.2 63.2



#63

4-Nitroaniline

Concen: 14.705 ng/ul

RT: 15.603 min Scan# 2130

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

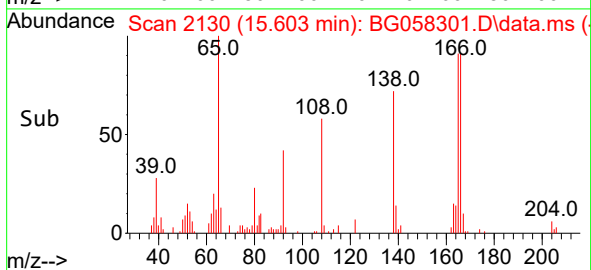
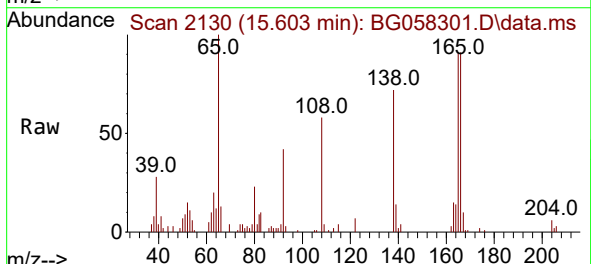
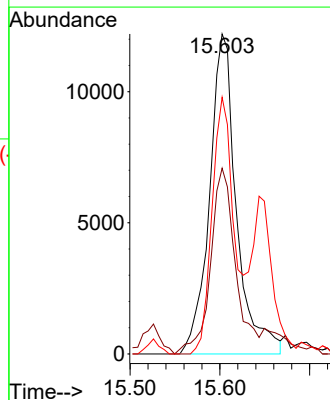
Tgt Ion:138 Resp: 25396

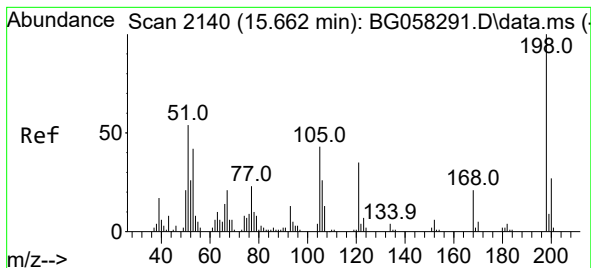
Ion Ratio Lower Upper

138 100

92 58.1 45.0 67.4

108 80.2 60.8 91.2

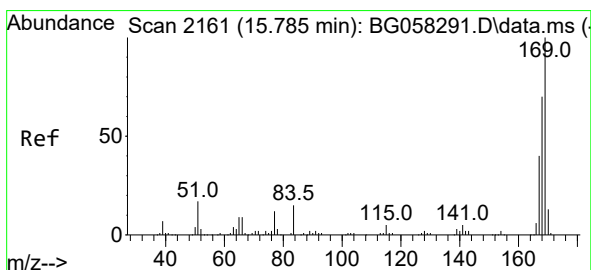
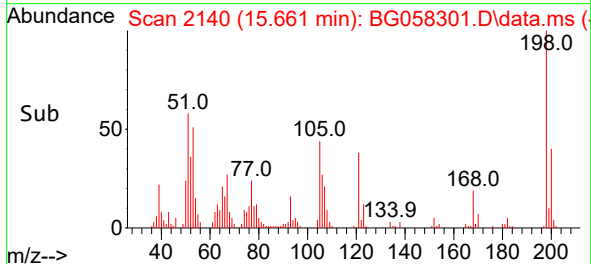
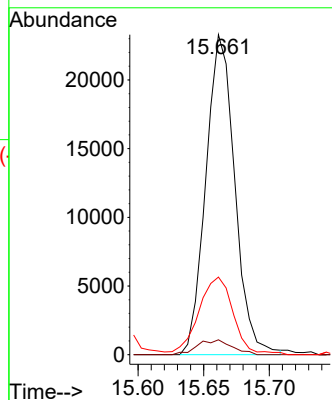
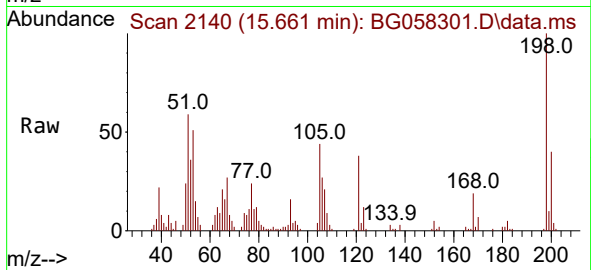




#66
 4,6-Dinitro-2-methylphenol
 Concen: 18.132 ng/ul
 RT: 15.661 min Scan# 2140
 Delta R.T. -0.005 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

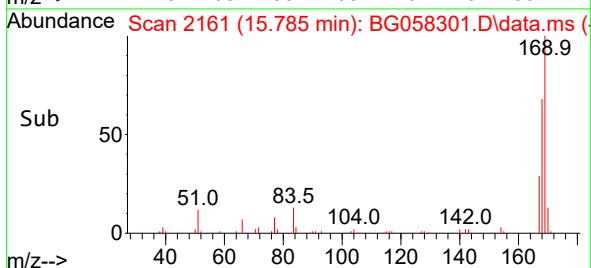
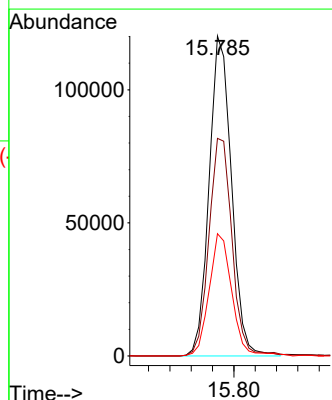
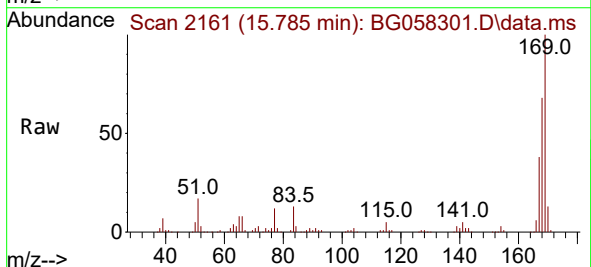
Instrument :
 BNA_M
 ClientSampleId :

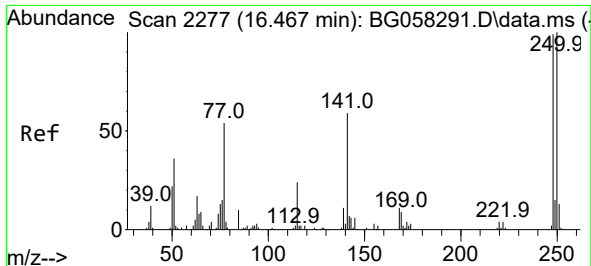
Tgt Ion:198 Resp: 35740
 Ion Ratio Lower Upper
 198 100
 182 4.6 3.4 5.2
 77 24.2 18.4 27.6



#67
 N-Nitrosodiphenylamine
 Concen: 18.759 ng/ul
 RT: 15.785 min Scan# 2161
 Delta R.T. -0.005 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

Tgt Ion:169 Resp: 174860
 Ion Ratio Lower Upper
 169 100
 168 68.0 55.7 83.5
 167 38.2 31.2 46.8

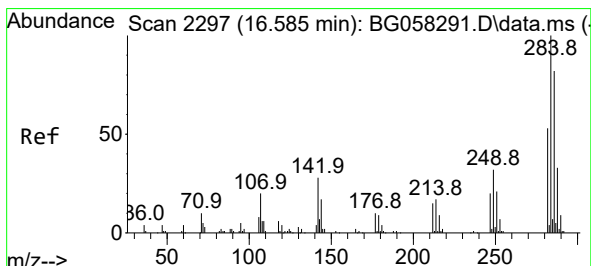
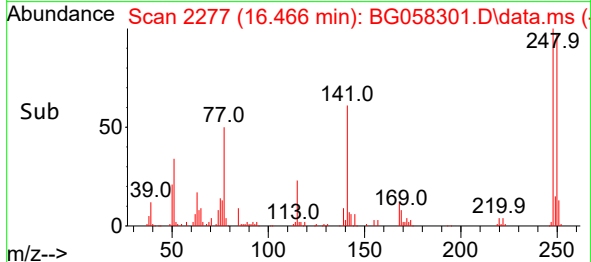
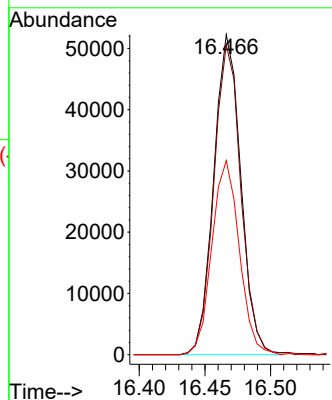
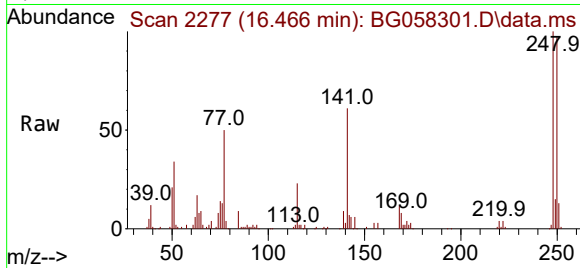




#68
4-Bromophenyl-phenylether
Concen: 18.829 ng/ul
RT: 16.466 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

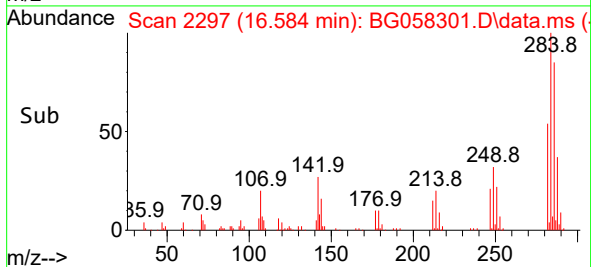
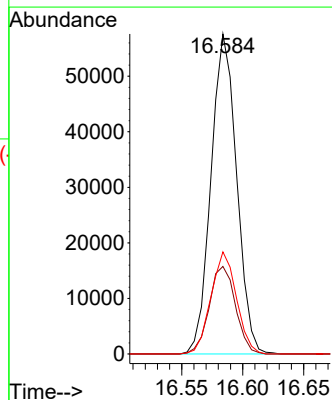
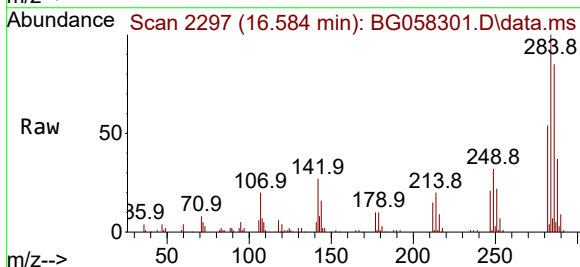
Instrument :
BNA_M
ClientSampleId :

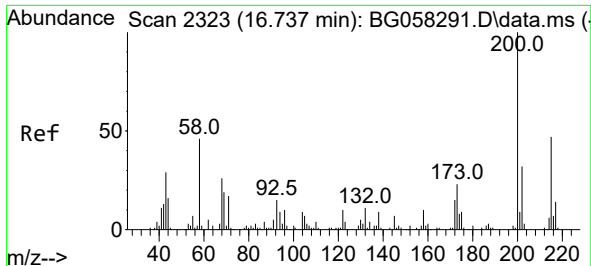
Tgt Ion:248 Resp: 74997
Ion Ratio Lower Upper
248 100
250 96.9 73.8 110.6
141 60.7 48.2 72.2



#69
Hexachlorobenzene
Concen: 18.758 ng/ul
RT: 16.584 min Scan# 2297
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:284 Resp: 84307
Ion Ratio Lower Upper
284 100
142 27.4 20.5 30.7
249 31.9 25.2 37.8

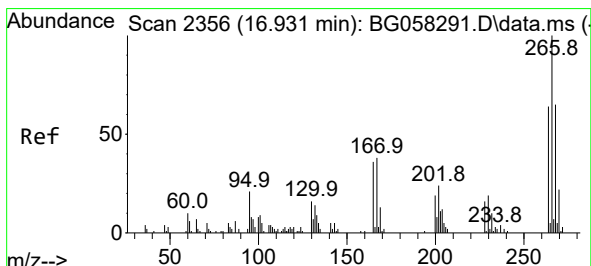
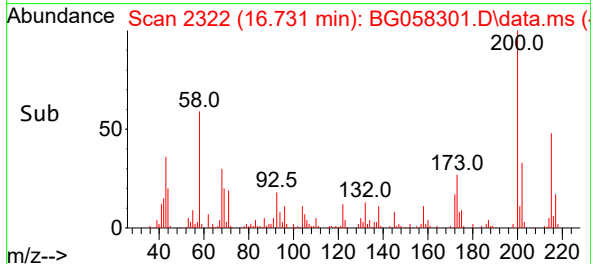
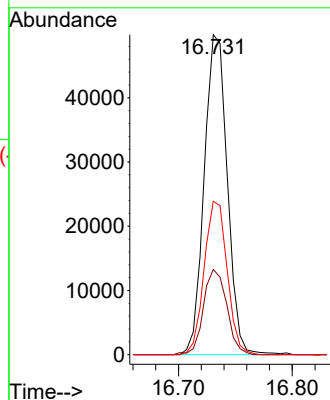
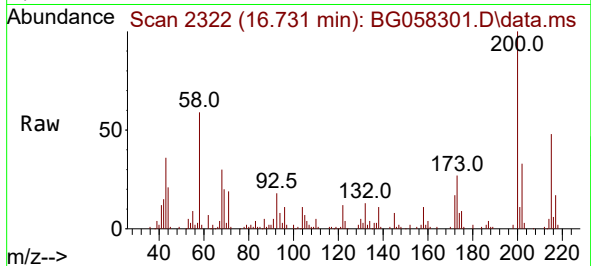




#70
 Atrazine
 Concen: 19.267 ng/ul
 RT: 16.731 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

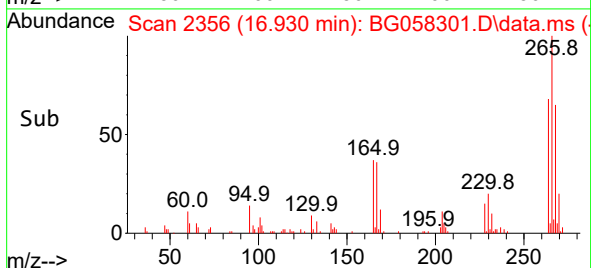
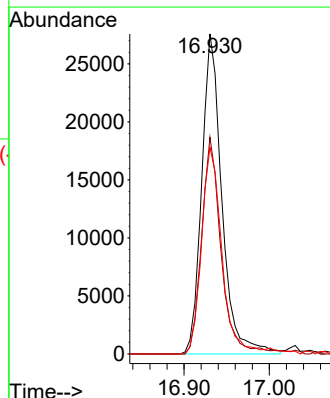
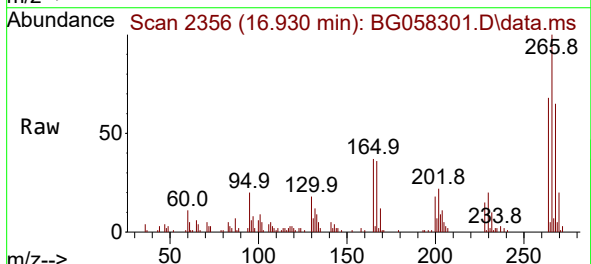
Instrument :
 BNA_M
 ClientSampleId :

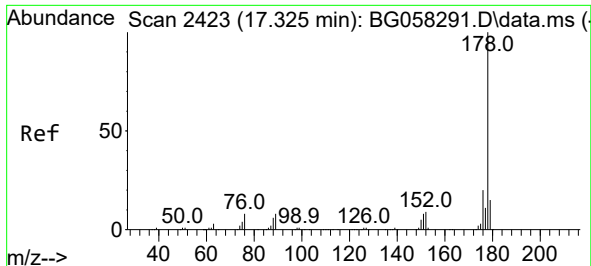
Tgt Ion:200 Resp: 70415
 Ion Ratio Lower Upper
 200 100
 173 26.6 19.8 29.8
 215 48.0 36.2 54.4



#71
 Pentachlorophenol
 Concen: 17.975 ng/ul
 RT: 16.930 min Scan# 2356
 Delta R.T. 0.001 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

Tgt Ion:266 Resp: 45349
 Ion Ratio Lower Upper
 266 100
 264 67.7 46.6 70.0
 268 64.6 47.6 71.4

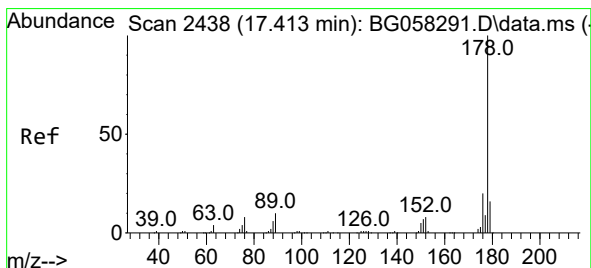
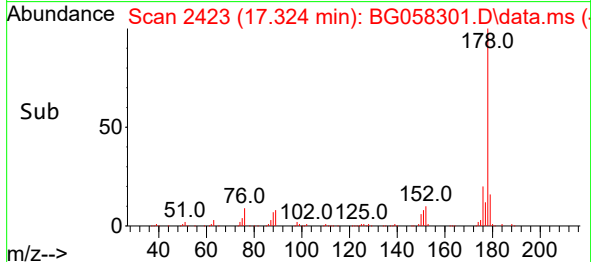
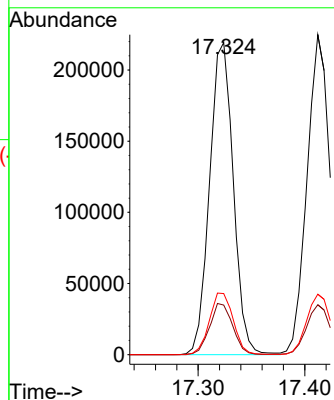
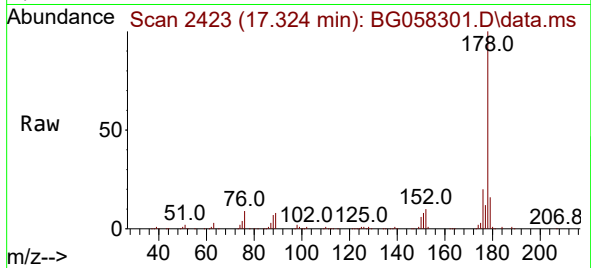




#72
Phenanthrene
Concen: 18.945 ng/ul
RT: 17.324 min Scan# 2423
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

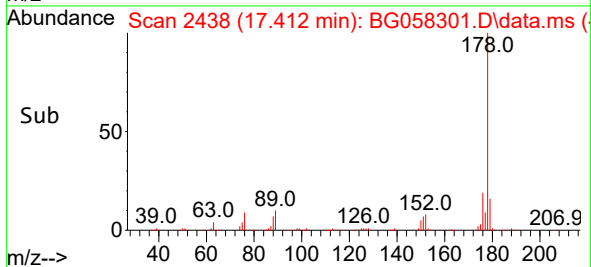
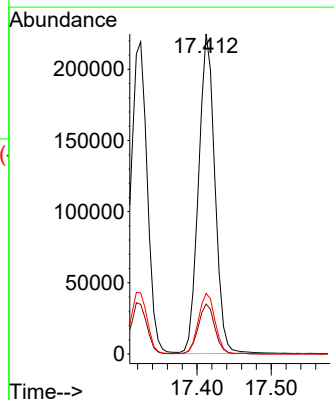
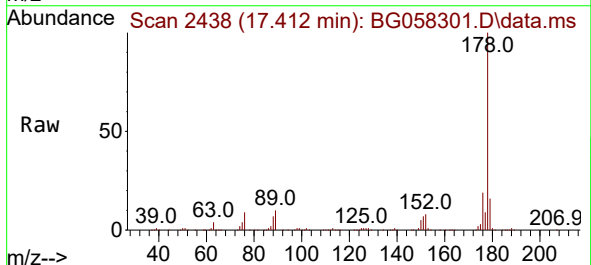
Instrument :
BNA_M
ClientSampleId :

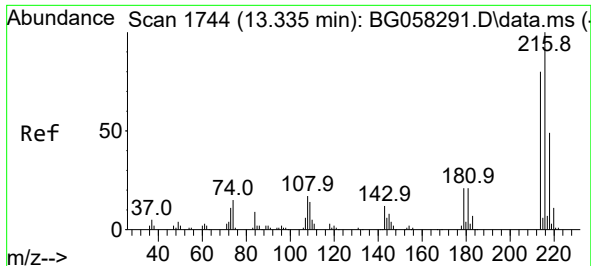
Tgt Ion:178 Resp: 338552
Ion Ratio Lower Upper
178 100
179 15.9 11.9 17.9
176 19.6 15.8 23.8



#74
Anthracene
Concen: 19.168 ng/ul
RT: 17.412 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:178 Resp: 343886
Ion Ratio Lower Upper
178 100
179 15.6 13.4 20.2
176 18.9 16.2 24.2

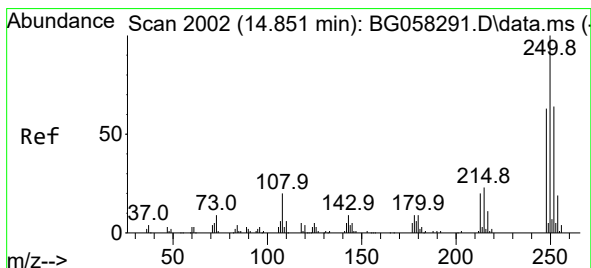
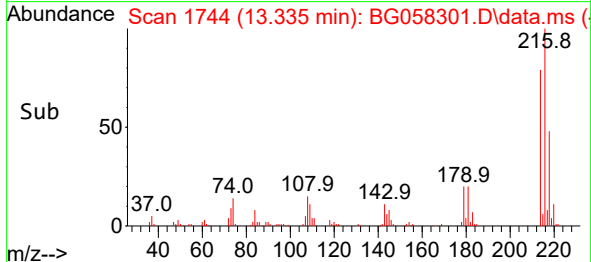
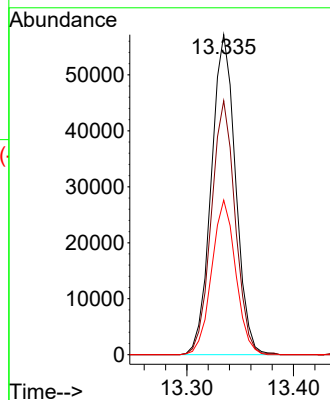
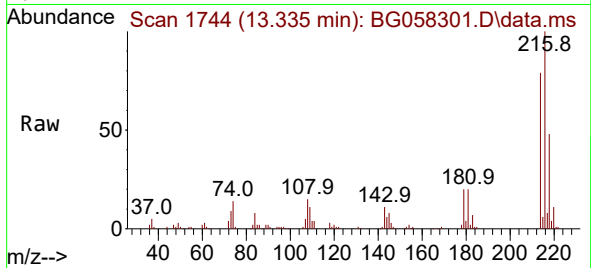




#75
1,2,3,4-Tetrachlorobenzene
Concen: 19.185 ng/uL
RT: 13.335 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

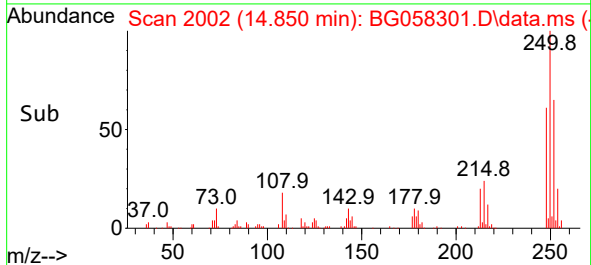
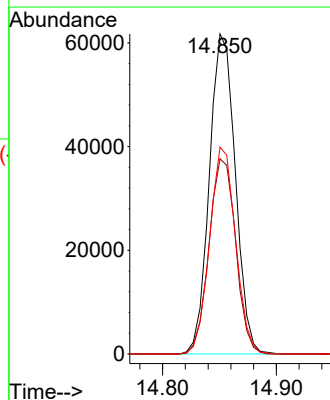
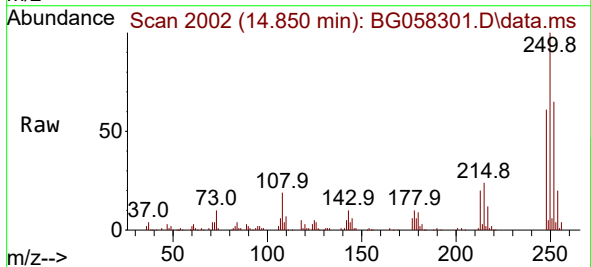
Instrument :
BNA_M
ClientSampleId :

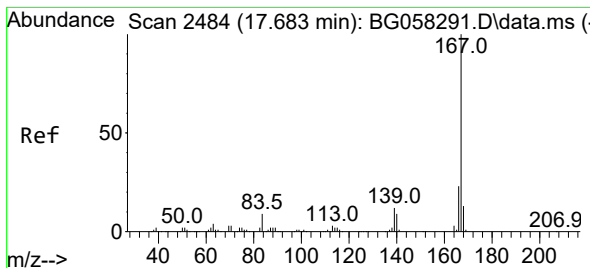
Tgt Ion:216 Resp: 90492
Ion Ratio Lower Upper
216 100
214 79.3 62.2 93.4
218 48.3 40.9 61.3



#76
Pentachlorobenzene
Concen: 18.980 ng/uL
RT: 14.850 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BG058301.D
Acq: 18 Jul 2023 14:58

Tgt Ion:250 Resp: 97902
Ion Ratio Lower Upper
250 100
248 61.0 51.6 77.4
252 64.6 54.4 81.6





#77

Carbazole

Concen: 19.959 ng/ul

RT: 17.682 min Scan# 2484

Delta R.T. 0.001 min

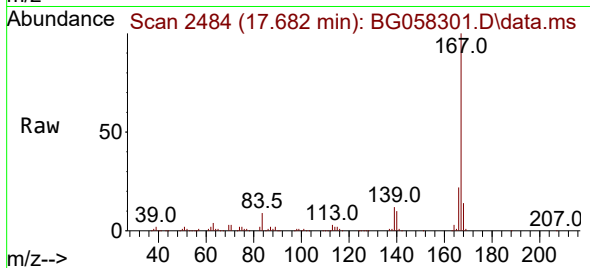
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :



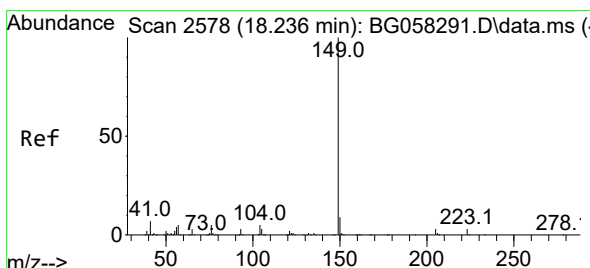
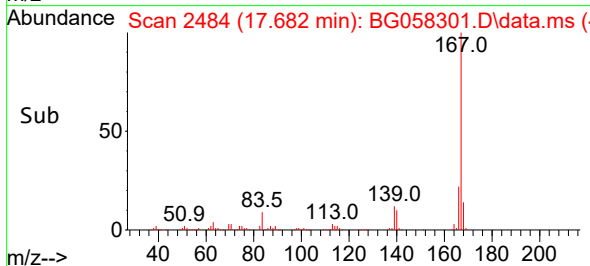
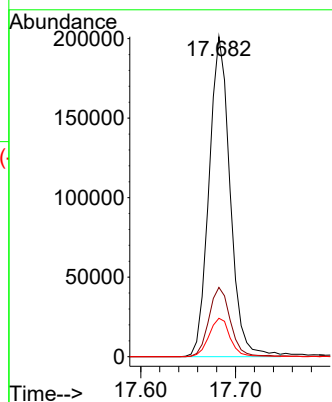
Tgt Ion:167 Resp: 310391

Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.8

139 12.0 9.4 14.0



#78

Di-n-butylphthalate

Concen: 19.613 ng/ul

RT: 18.235 min Scan# 2578

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

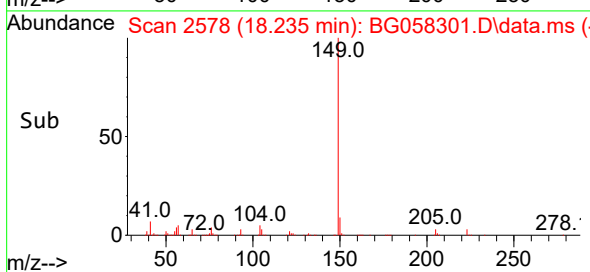
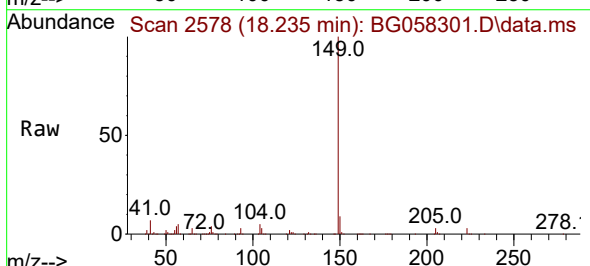
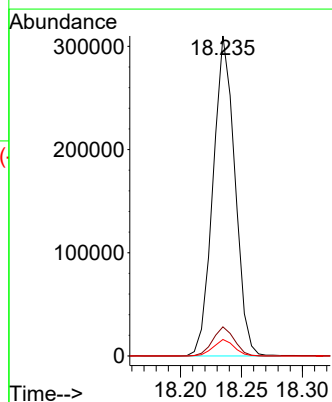
Tgt Ion:149 Resp: 387570

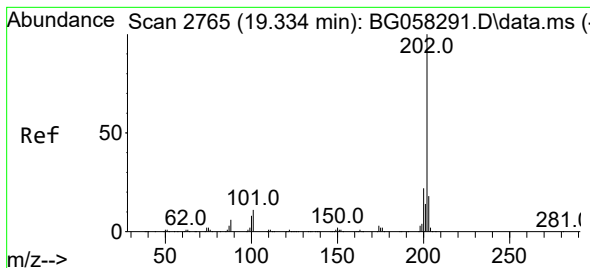
Ion Ratio Lower Upper

149 100

150 9.1 7.2 10.8

104 5.2 3.9 5.9





#80

Fluoranthene

Concen: 18.721 ng/ul

RT: 19.333 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

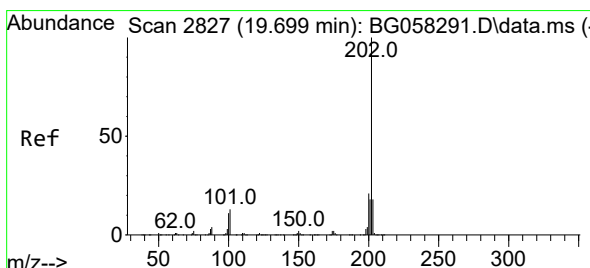
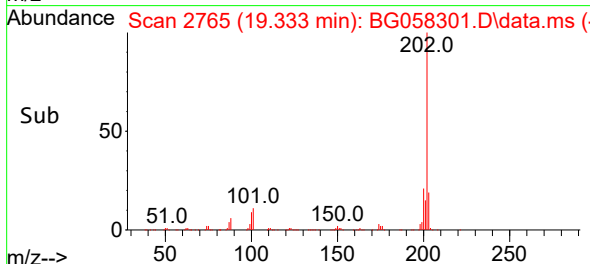
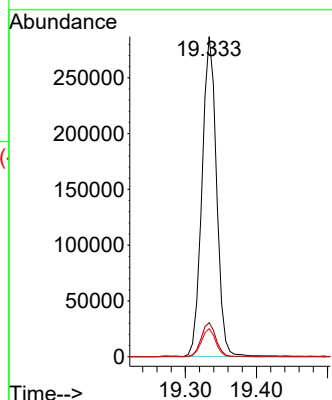
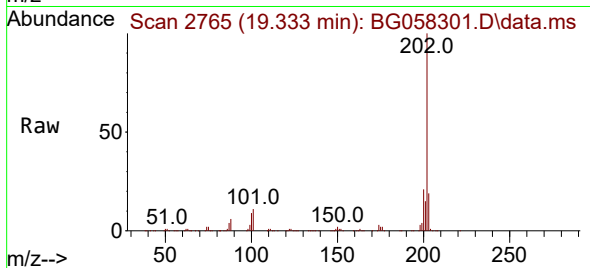
Tgt Ion:202 Resp: 408598

Ion Ratio Lower Upper

202 100

101 10.7 8.6 12.8

100 8.8 7.2 10.8



#82

Pyrene

Concen: 18.613 ng/ul

RT: 19.698 min Scan# 2827

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

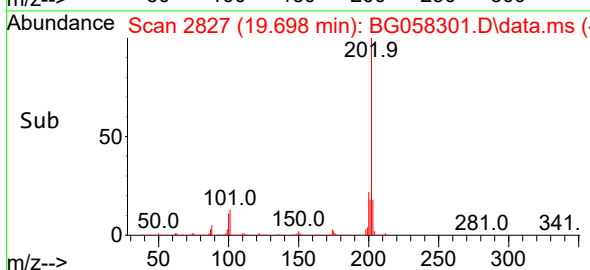
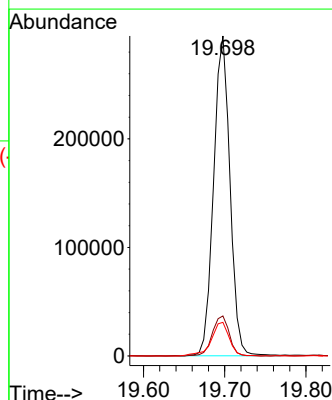
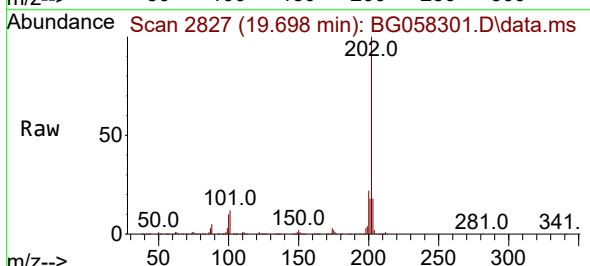
Tgt Ion:202 Resp: 411620

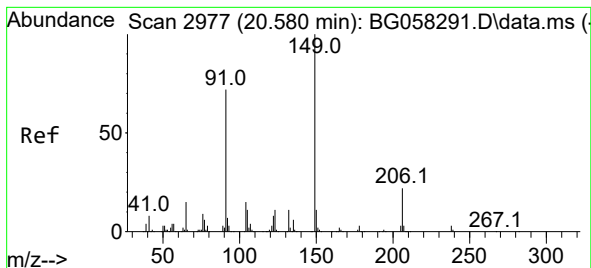
Ion Ratio Lower Upper

202 100

101 12.5 10.2 15.2

100 10.5 8.9 13.3





#83

Butylbenzylphthalate

Concen: 19.268 ng/ul

RT: 20.579 min Scan# 2977

Delta R.T. 0.001 min

Lab File: BG058301.D

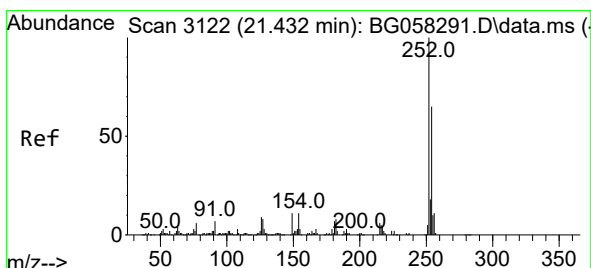
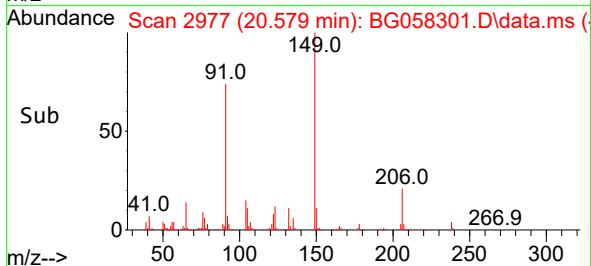
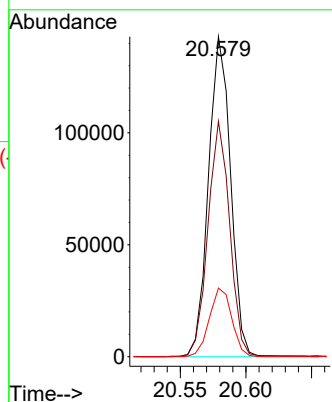
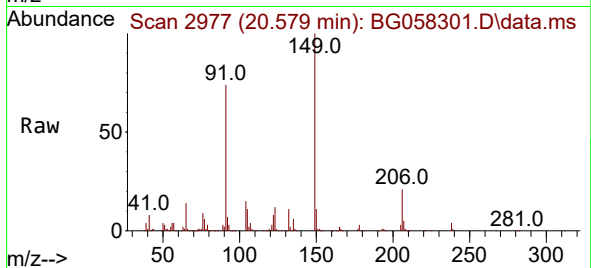
Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:149	Resp: 167793
Ion Ratio	Lower Upper
149	100
91	73.6 59.9 89.9
206	21.5 16.9 25.3



#84

3,3'-Dichlorobenzidine

Concen: 20.336 ng/ul

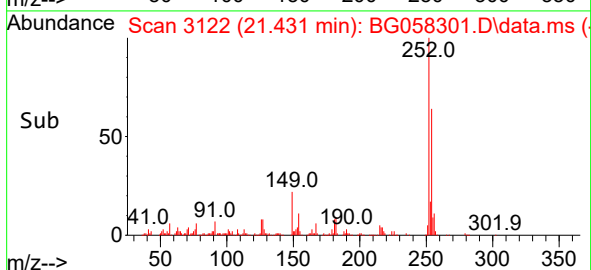
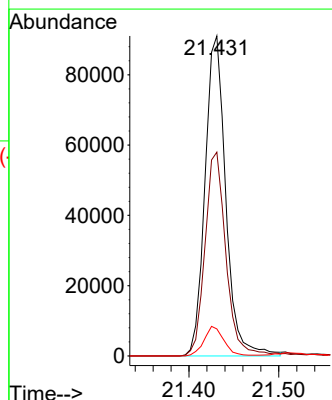
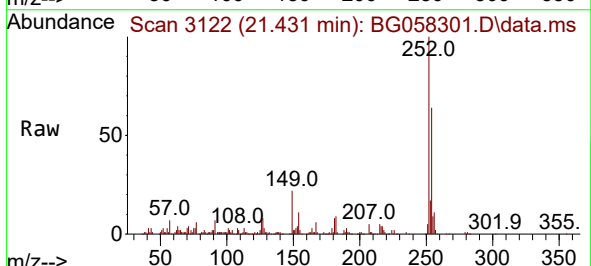
RT: 21.431 min Scan# 3122

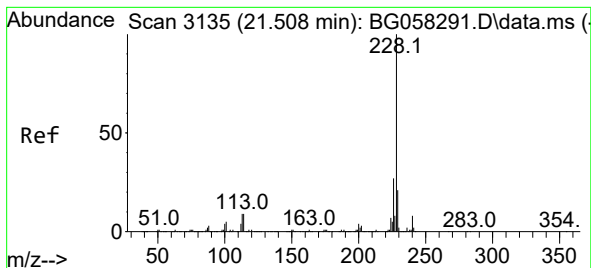
Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Tgt Ion:252	Resp: 146437
Ion Ratio	Lower Upper
252	100
254	63.7 50.5 75.7
126	8.5 6.5 9.7





#85

Benzo(a)anthracene

Concen: 18.593 ng/ul

RT: 21.513 min Scan# 3135

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

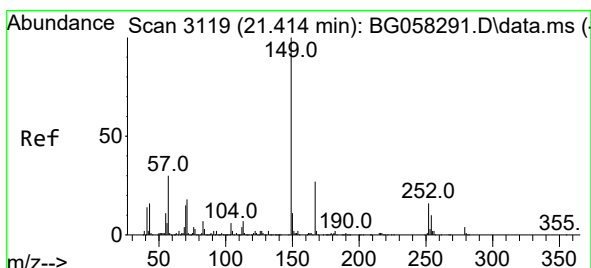
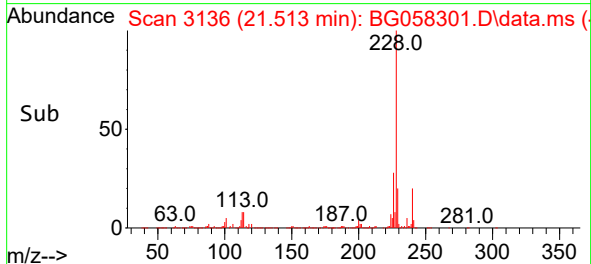
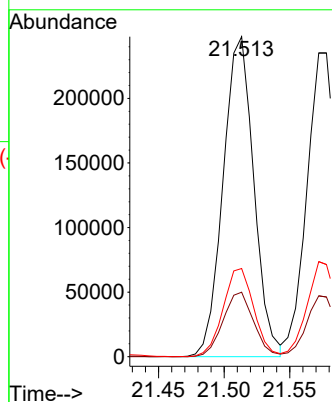
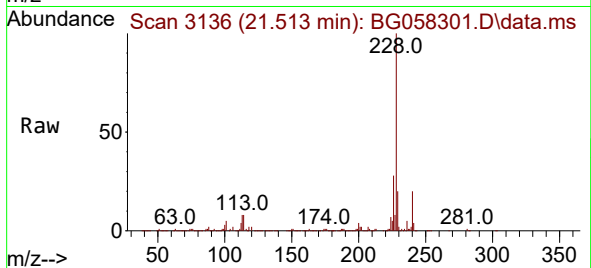
Tgt Ion:228 Resp: 403123

Ion Ratio Lower Upper

228 100

229 20.2 15.7 23.5

226 27.6 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 19.641 ng/ul

RT: 21.413 min Scan# 3119

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

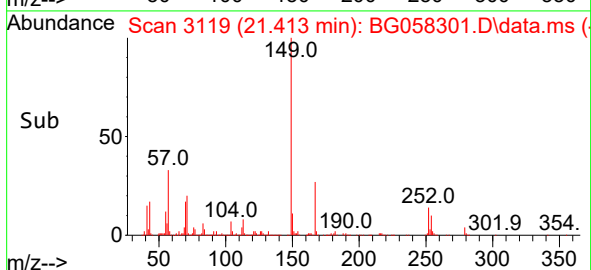
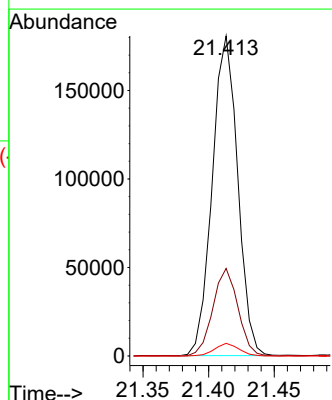
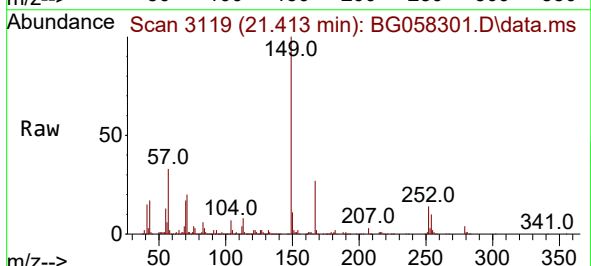
Tgt Ion:149 Resp: 243282

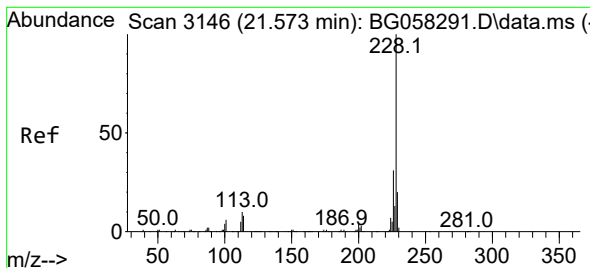
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.0 3.0 4.4





#87

Chrysene

Concen: 18.838 ng/ul

RT: 21.572 min Scan# 3146

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

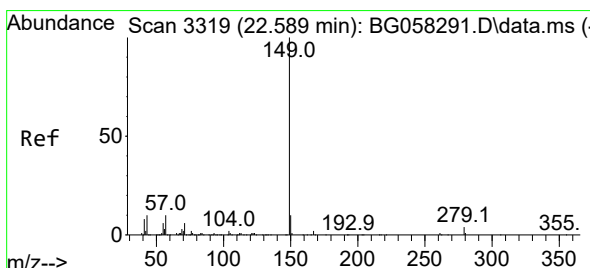
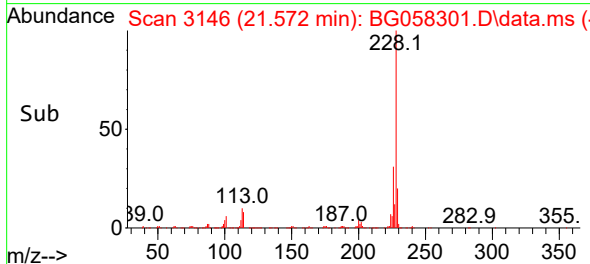
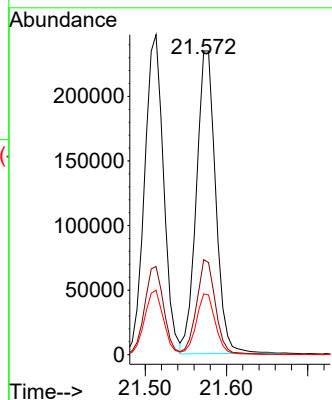
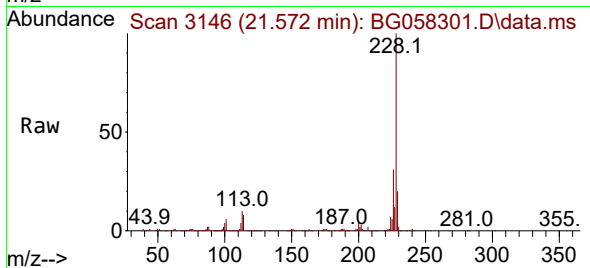
Tgt Ion:228 Resp: 387406

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

229 20.0 15.8 23.8



#89

Di-n-octyl phthalate

Concen: 19.746 ng/ul

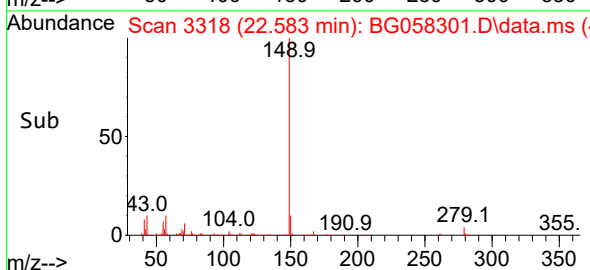
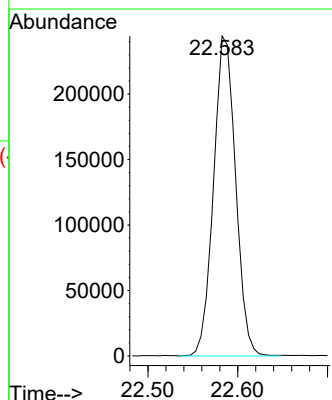
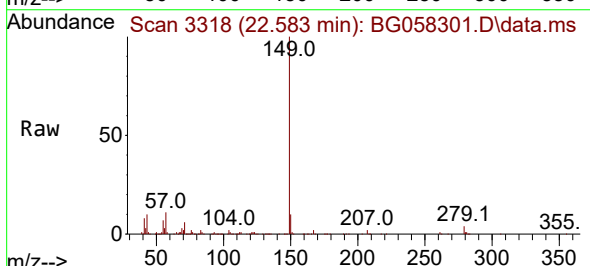
RT: 22.583 min Scan# 3318

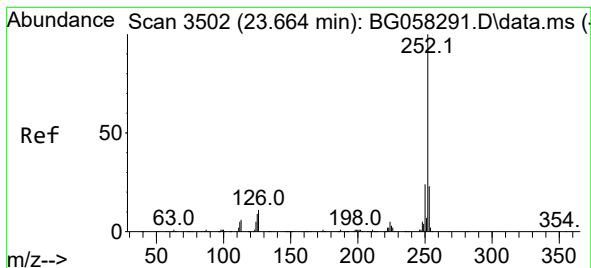
Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Tgt Ion:149 Resp: 417096





#90

Benzo(b)fluoranthene

Concen: 18.563 ng/ul

RT: 23.664 min Scan# 3502

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :

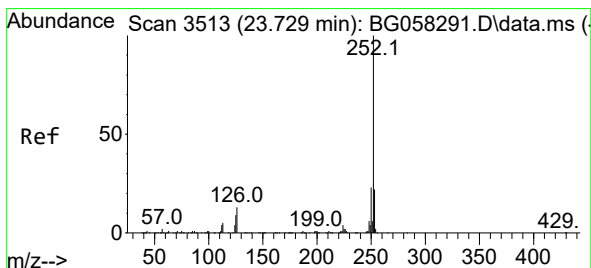
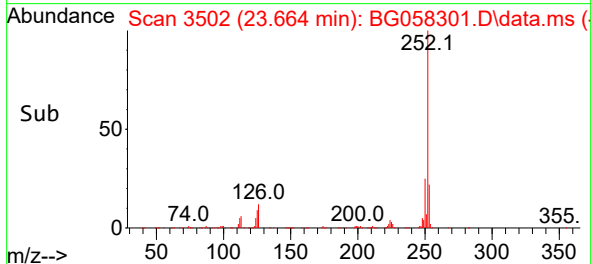
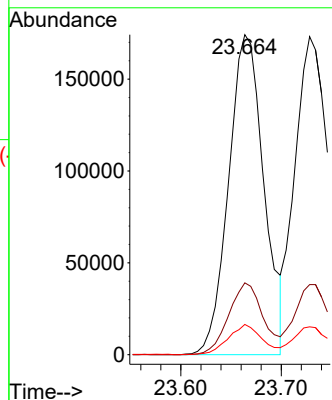
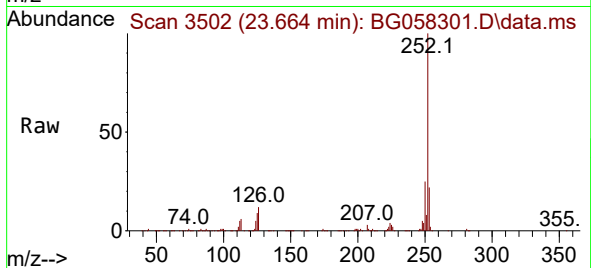
Tgt Ion:252 Resp: 426378

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 9.5 6.7 10.1



#91

Benzo(k)fluoranthene

Concen: 17.923 ng/ul

RT: 23.728 min Scan# 3513

Delta R.T. -0.005 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

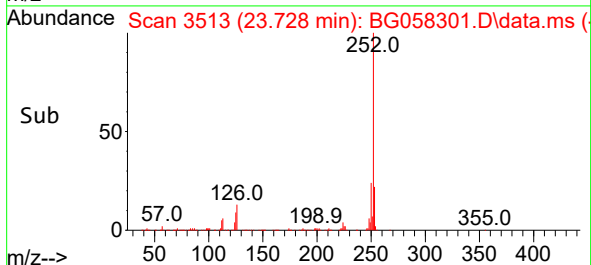
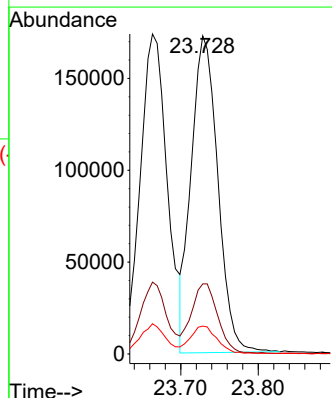
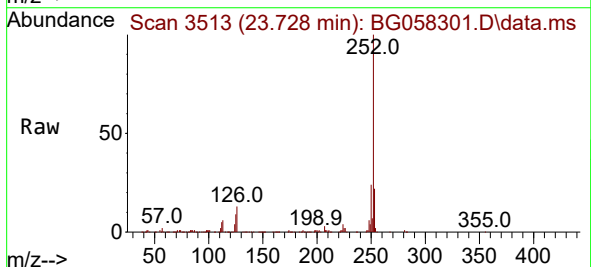
Tgt Ion:252 Resp: 410595

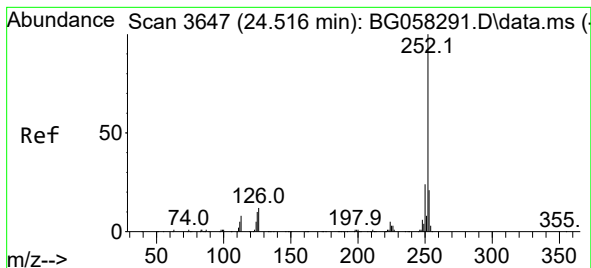
Ion Ratio Lower Upper

252 100

253 22.0 18.3 27.5

125 8.8 7.4 11.0





#93

Benzo(a)pyrene

Concen: 18.370 ng/ul

RT: 24.516 min Scan# 3647

Delta R.T. -0.005 min

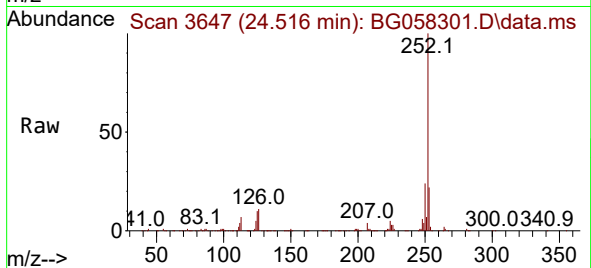
Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

Instrument :

BNA_M

ClientSampleId :



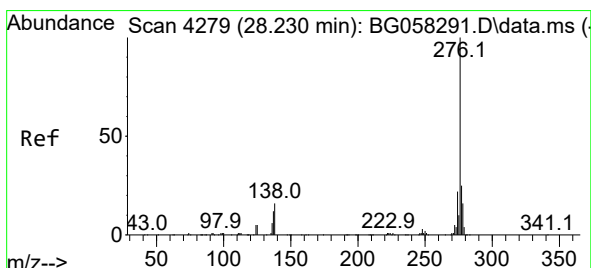
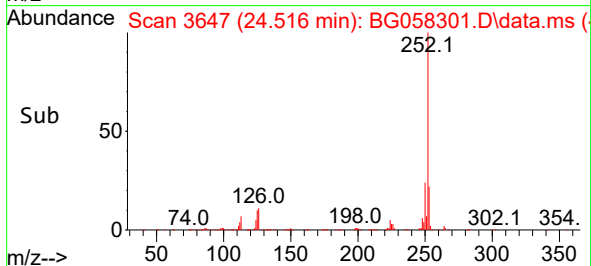
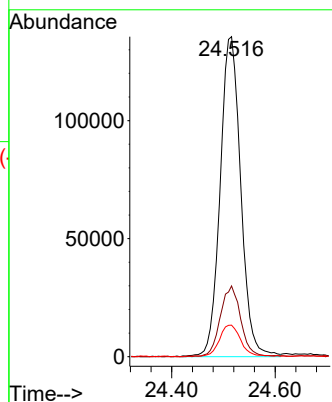
Tgt Ion:252 Resp: 375300

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.9 7.7 11.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 18.255 ng/ul

RT: 28.229 min Scan# 4279

Delta R.T. 0.001 min

Lab File: BG058301.D

Acq: 18 Jul 2023 14:58

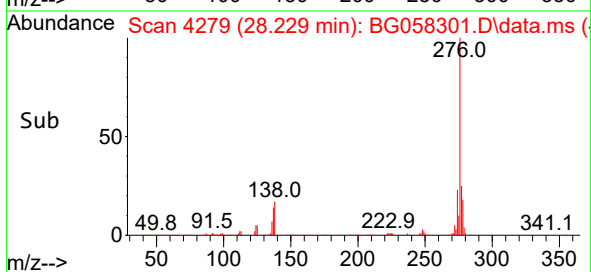
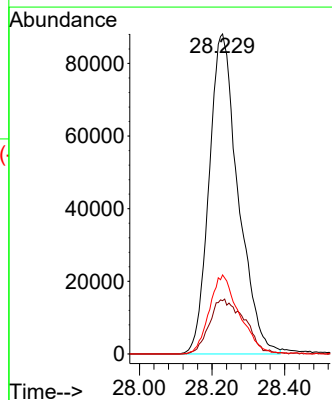
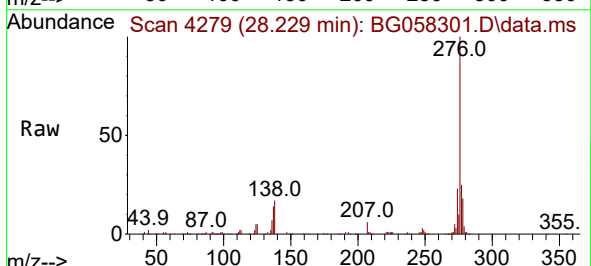
Tgt Ion:276 Resp: 491384

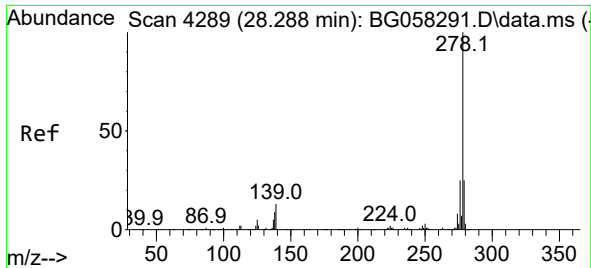
Ion Ratio Lower Upper

276 100

138 16.6 13.8 20.6

277 24.7 19.2 28.8

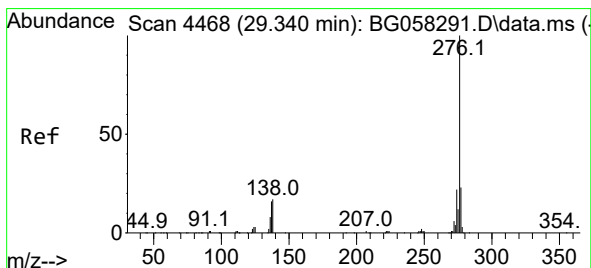
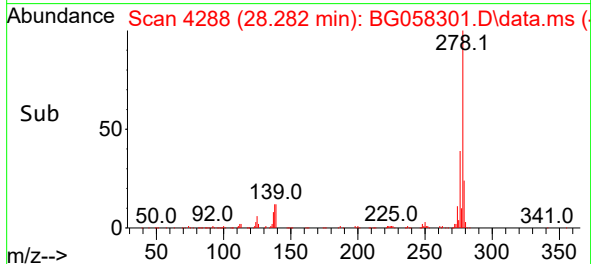
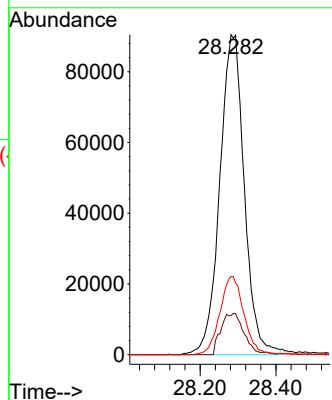
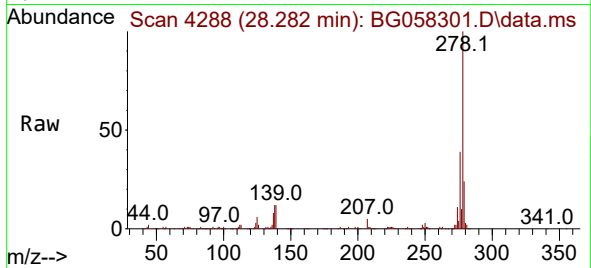




#95
 Dibenzo(a,h)anthracene
 Concen: 18.407 ng/ul
 RT: 28.282 min Scan# 41
 Delta R.T. -0.011 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:278 Resp: 406286
 Ion Ratio Lower Upper
 278 100
 139 12.3 10.4 15.6
 279 24.5 18.4 27.6



#96
 Benzo(g,h,i)perylene
 Concen: 18.258 ng/ul
 RT: 29.345 min Scan# 4469
 Delta R.T. -0.005 min
 Lab File: BG058301.D
 Acq: 18 Jul 2023 14:58

Tgt Ion:276 Resp: 400410
 Ion Ratio Lower Upper
 276 100
 138 17.7 13.5 20.3
 277 23.4 19.4 29.2

