

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062016.D
 Acq On : 11 Jul 2024 19:06
 Operator : MA/JU
 Sample : P3125-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CZ2MS

Quant Time: Jul 12 00:07:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	47470	20.000	ng/u1	0.00
20) Naphthalene-d8	10.850	136	223094	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.669	164	159273	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.419	188	368069	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.679	240	319230	20.000	ng/u1	0.00
88) Perylene-d12	24.893	264	371403	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.500	96	229	0.181	ng/uL	0.06
4) Pyridine-d5	3.858	84	41976	10.807	ng/u1	0.00
7) Phenol-d5	7.202	99	166517	32.054	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.366	67	100200	30.458	ng/u1	0.00
11) 2-Chlorophenol-d4	7.572	132	119247	33.464	ng/u1	0.00
15) 4-Methylphenol-d8	8.753	113	130072	31.800	ng/u1	0.00
21) Nitrobenzene-d5	9.211	128	62006	36.545	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	74532	38.466	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.474	165	146089	39.090	ng/u1	0.00
31) 4-Chloroaniline-d4	11.073	131	719	0.133	ng/u1	0.09
46) Dimethylphthalate-d6	14.076	166	473976	36.197	ng/u1	0.00
49) Acenaphthylene-d8	14.370	160	499946	36.513	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	72204	34.529	ng/u1	0.00
60) Fluorene-d10	15.662	176	413989	37.556	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.786	200	83956	43.432	ng/u1	0.00
73) Anthracene-d10	17.513	188	623440	36.279	ng/u1	0.00
81) Pyrene-d10	19.799	212	463096	24.663	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.663	264	308030	16.723	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.476	88	17324	12.425	ng/uL	86
5) Pyridine	3.882	79	70372	17.666	ng/u1	94
6) Benzaldehyde	7.178	77	69232	25.180	ng/u1	92
8) Phenol	7.225	94	208234	39.151	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.460	93	139202	34.069	ng/u1	93
12) 2-Chlorophenol	7.601	128	140288	38.642	ng/u1	92
13) 2-Methylphenol	8.482	108	146290	38.536	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.565	45	301530	33.779	ng/u1#	96
16) Acetophenone	8.864	105	253668	37.545	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.847	70	132193	34.948	ng/u1	89
18) 4-Methylphenol	8.811	108	158963	37.392	ng/u1	92
19) Hexachloroethane	9.123	117	32956	20.926	ng/u1#	70
22) Nitrobenzene	9.252	77	194467	40.377	ng/u1	99
23) Isophorone	9.769	82	389692	35.815	ng/u1#	95
25) 2-Nitrophenol	9.963	139	83955	42.488	ng/u1#	91
26) 2,4-Dimethylphenol	10.016	107	143140	30.268	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.251	93	202309	33.763	ng/u1#	94
29) 2,4-Dichlorophenol	10.498	162	146838	41.827	ng/u1	96
30) Naphthalene	10.903	128	490830	40.053	ng/u1#	95
32) 4-Chloroaniline	11.009	127	117578	22.084	ng/u1	96
33) Hexachlorobutadiene	11.173	225	120209	45.503	ng/u1	93
34) Caprolactam	11.784	113	34694	25.224	ng/u1	85
35) 4-Chloro-3-methylphenol	12.131	107	202252	43.257	ng/u1	92
36) 2-Methylnaphthalene	12.501	142	362334	40.812	ng/u1	98

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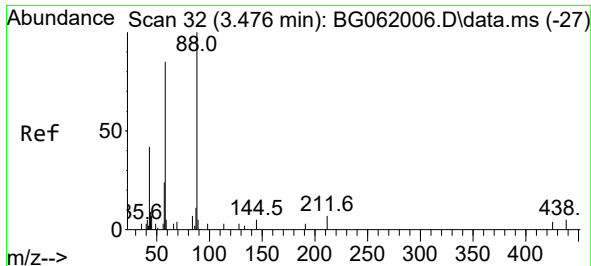
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.724	142	382049	41.409	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.865	216	192022	40.147	ng/ul	99
40) Hexachlorocyclopentadiene	12.842	237	77615	24.377	ng/ul	91
41) 2,4,6-Trichlorophenol	13.106	196	135234	42.568	ng/ul	95
42) 2,4,5-Trichlorophenol	13.183	196	152963	43.831	ng/ul	90
43) 1,1'-Biphenyl	13.506	154	504198	41.086	ng/ul	98
44) 2-Chloronaphthalene	13.553	162	379498	41.204	ng/ul	95
45) 2-Nitroaniline	13.759	65	174517	47.317	ng/ul	98
47) Dimethylphthalate	14.123	163	509401	40.445	ng/ul	99
48) 2,6-Dinitrotoluene	14.246	165	108935	45.592	ng/ul	99
50) Acenaphthylene	14.399	152	606202	40.339	ng/ul	98
51) 3-Nitroaniline	14.581	138	92267	39.671	ng/ul	99
52) Acenaphthene	14.740	153	415381	40.030	ng/ul	93
53) 2,4-Dinitrophenol	14.787	184	59280	47.489	ng/ul	94
55) 4-Nitrophenol	14.892	109	127328	53.350	ng/ul	91
56) Dibenzofuran	15.069	168	612013	41.731	ng/ul	92
57) 2,4-Dinitrotoluene	15.039	165	165935	47.356	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.292	232	137165	43.527	ng/ul#	96
59) Diethylphthalate	15.480	149	542989	40.007	ng/ul	97
61) Fluorene	15.721	166	515678	41.346	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.709	204	256831	40.996	ng/ul	89
63) 4-Nitroaniline	15.739	138	100506	42.588	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	15.797	198	99408	47.784	ng/ul#	93
67) N-Nitrosodiphenylamine	15.921	169	432671	43.045	ng/ul	99
68) 4-Bromophenyl-phenylether	16.602	248	187696	44.950	ng/ul	93
69) Hexachlorobenzene	16.714	284	120654	25.128	ng/ul	92
70) Atrazine	16.867	200	110668	27.890	ng/ul	99
71) Pentachlorophenol	17.061	266	108537	41.124	ng/ul	95
72) Phenanthrene	17.460	178	952292	49.068	ng/ul	100
74) Anthracene	17.548	178	820420	40.905	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.471	216	187189	40.948	ng/ul	94
76) Pentachlorobenzene	14.986	250	172331	33.052	ng/ul	96
77) Carbazole	17.818	167	543531	32.201	ng/ul	96
78) Di-n-butylphthalate	18.371	149	944450	43.581	ng/ul	99
80) Fluoranthene	19.464	202	1227028	55.219	ng/ul#	94
83) Butylbenzylphthalate	20.703	149	404235	41.962	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.573	252	57112	7.520	ng/ul	91
85) Benzo(a)anthracene	21.655	228	1155477	49.992	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.555	149	598202	43.274	ng/ul#	98
87) Chrysene	21.726	228	1092695	50.500	ng/ul	98
89) Di-n-octyl phthalate	22.766	149	1015332	44.747	ng/ul	100
90) Benzo(b)fluoranthene	23.870	252	1251846	53.498	ng/ul	99
91) Benzo(k)fluoranthene	23.870	252	1251846	53.649	ng/ul	95
93) Benzo(a)pyrene	24.734	252	338814	15.291	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	28.547	276	558741	19.732	ng/ul	97
95) Dibenzo(a,h)anthracene	28.606	278	1086697	46.467	ng/ul	98
96) Benzo(g,h,i)perylene	29.675	276	73975	3.284	ng/ul	96

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

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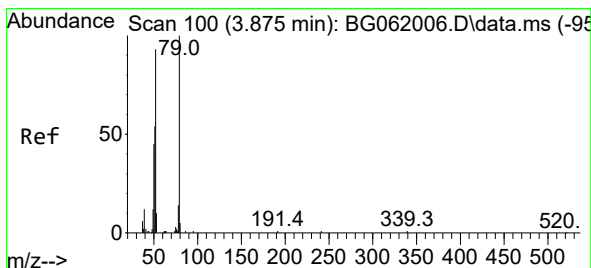
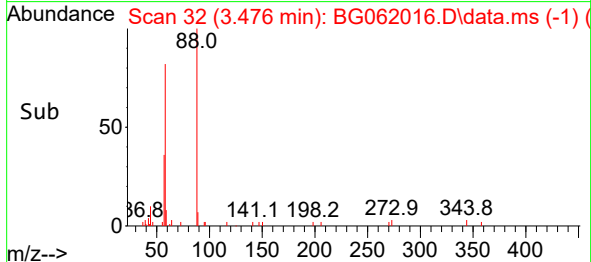
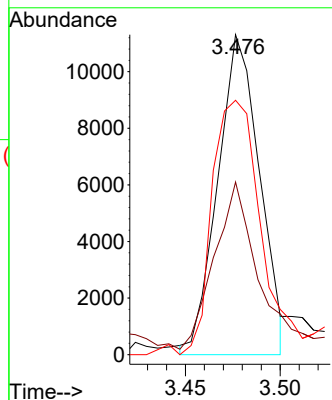
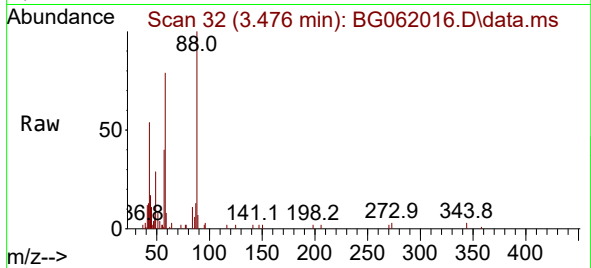




#2
1,4-Dioxane
Concen: 12.425 ng/uL
RT: 3.476 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG062016.D
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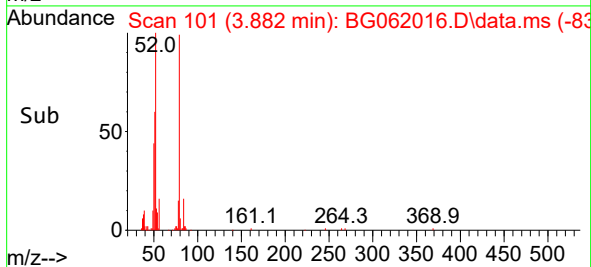
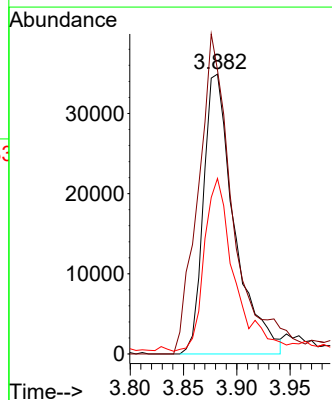
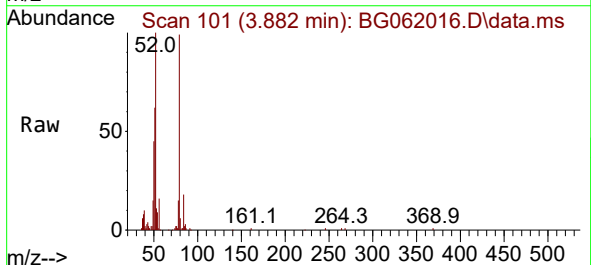
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

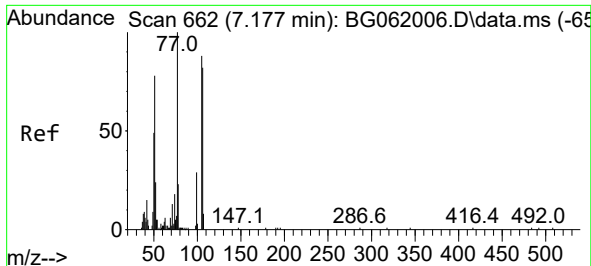
Tgt Ion: 88 Resp: 17324
Ion Ratio Lower Upper
88 100
43 53.9 39.4 59.2
58 79.5 78.1 117.1



#5
Pyridine
Concen: 17.666 ng/uL
RT: 3.882 min Scan# 101
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion: 79 Resp: 70372
Ion Ratio Lower Upper
79 100
52 101.5 86.0 129.0
51 62.7 46.4 69.6

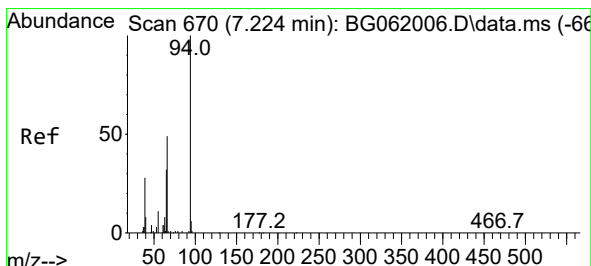
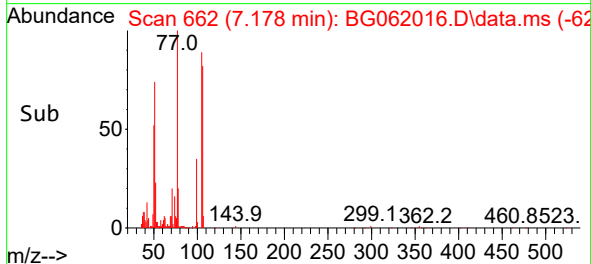
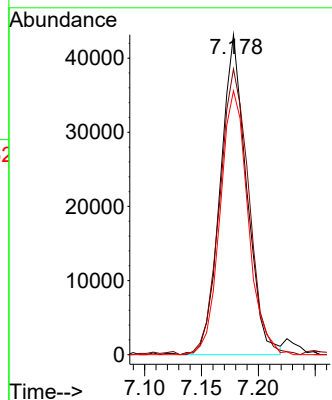
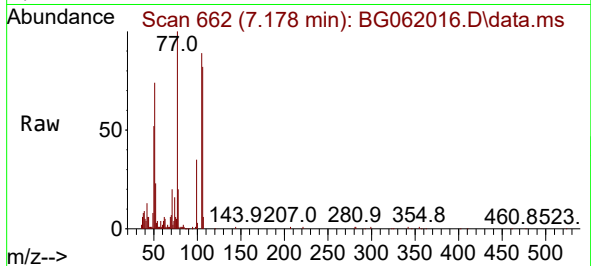




#6
Benzaldehyde
Concen: 25.180 ng/ul
RT: 7.178 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

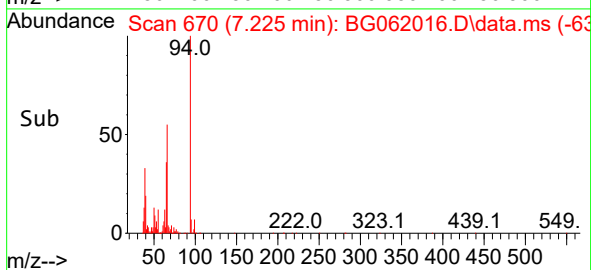
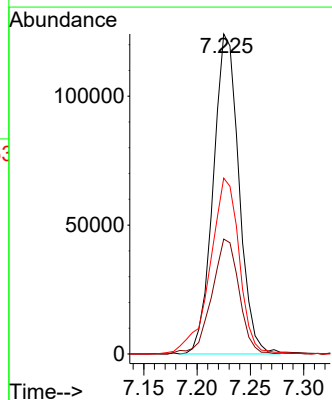
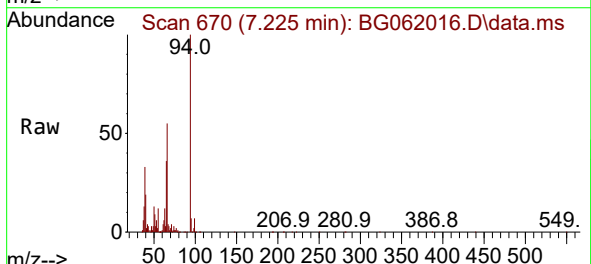
Instrument :
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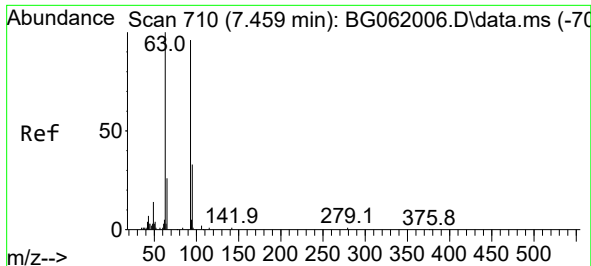
Tgt Ion: 77 Resp: 69232
Ion Ratio Lower Upper
77 100
105 89.3 79.6 119.4
106 82.5 62.6 93.8



#8
Phenol
Concen: 39.151 ng/ul
RT: 7.225 min Scan# 670
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion: 94 Resp: 208234
Ion Ratio Lower Upper
94 100
65 35.9 29.0 43.4
66 54.9 37.4 56.2

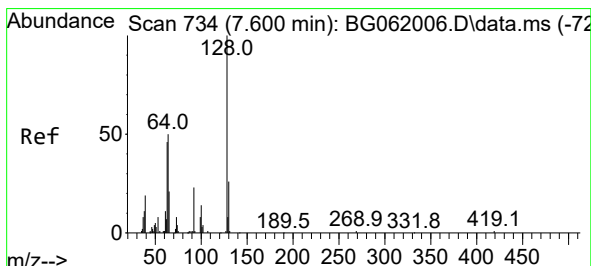
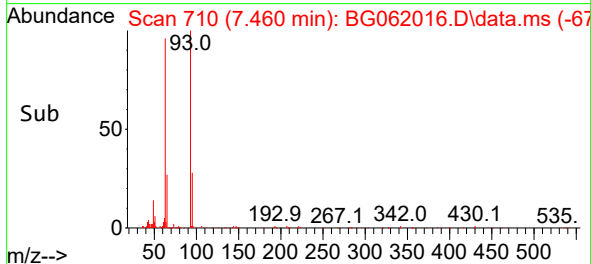
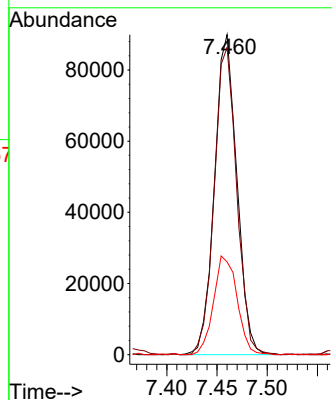
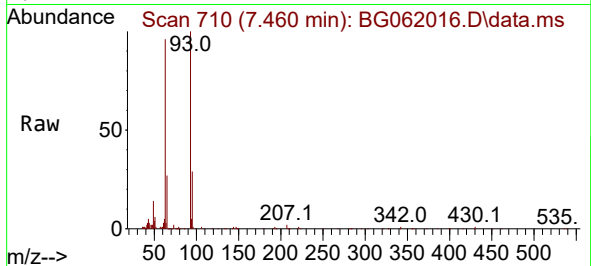




#10
Bis(2-Chloroethyl)ether
Concen: 34.069 ng/ul
RT: 7.460 min Scan# 710
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

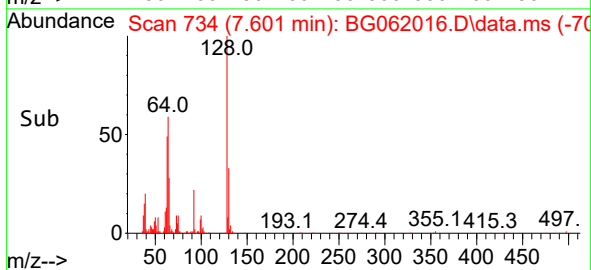
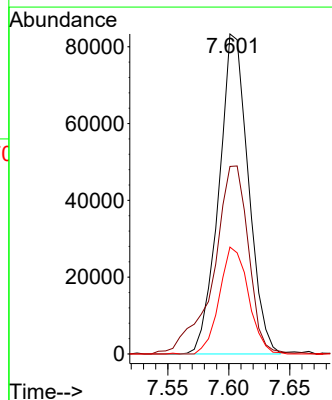
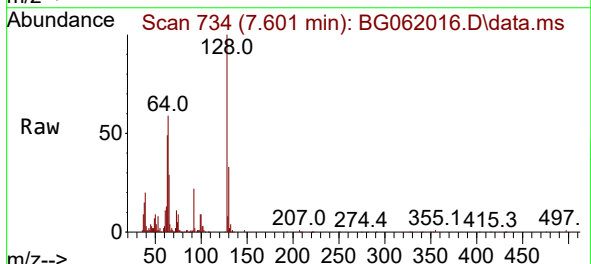
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ClientSampleId :
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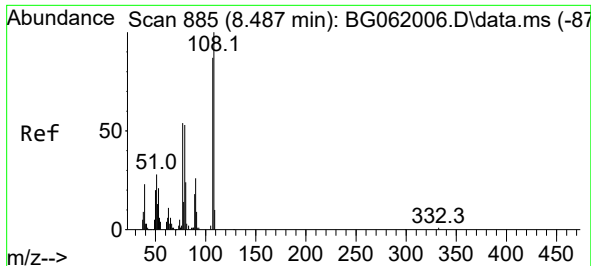
Tgt Ion: 93 Resp: 139202
Ion Ratio Lower Upper
93 100
63 96.0 72.2 108.2
95 29.0 26.7 40.1



#12
2-Chlorophenol
Concen: 38.642 ng/ul
RT: 7.601 min Scan# 734
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:128 Resp: 140288
Ion Ratio Lower Upper
128 100
64 58.6 42.6 63.8
130 33.4 23.3 34.9

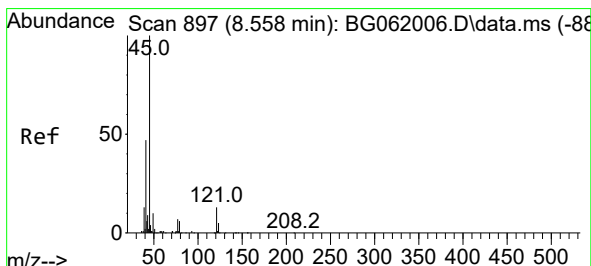
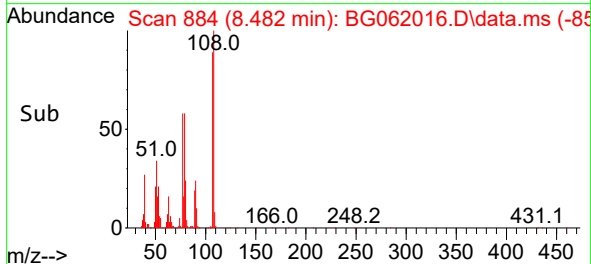
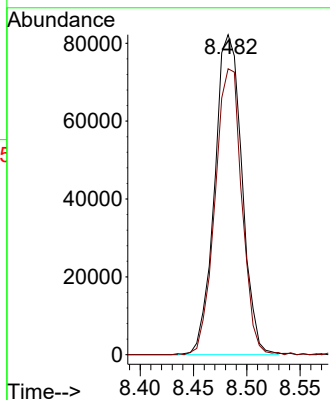
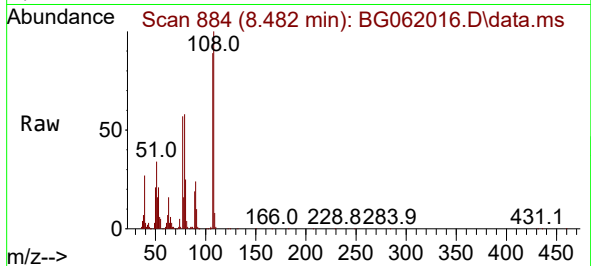




#13
2-Methylphenol
Concen: 38.536 ng/ul
RT: 8.482 min Scan# 885
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

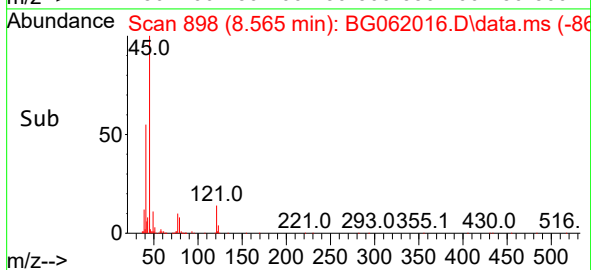
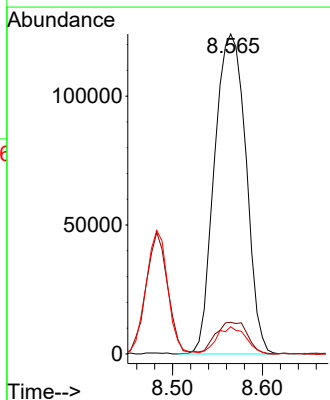
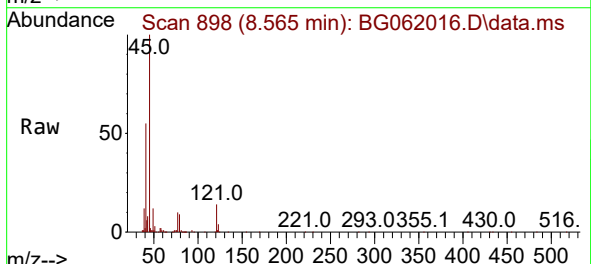
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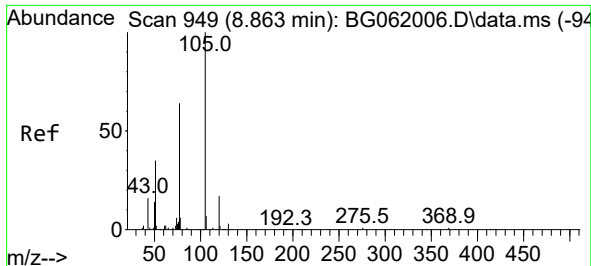
Tgt Ion:108 Resp: 146290
Ion Ratio Lower Upper
108 100
107 89.3 74.9 112.3



#14
2,2'-oxybis(1-Chloropropane)
Concen: 33.779 ng/ul
RT: 8.565 min Scan# 898
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion: 45 Resp: 301530
Ion Ratio Lower Upper
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77 9.9 7.4 11.0
79 8.5 4.8 7.2#

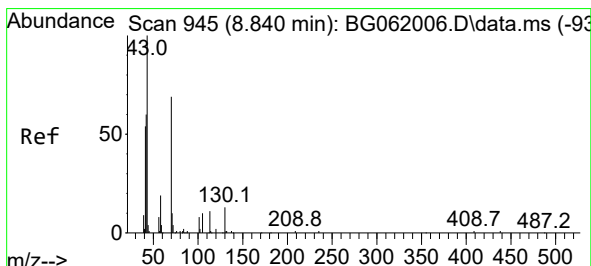
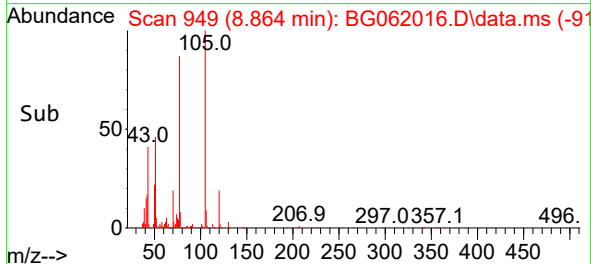
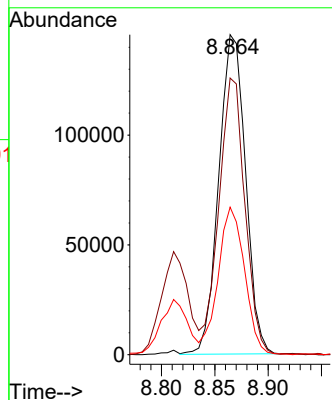
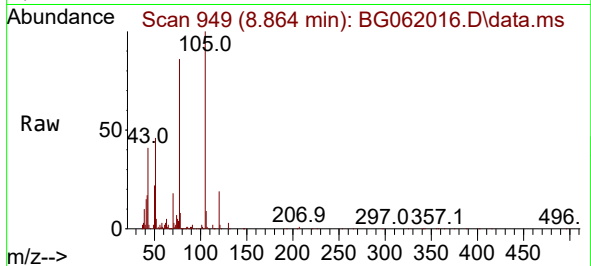




#16
Acetophenone
Concen: 37.545 ng/ul
RT: 8.864 min Scan# 949
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

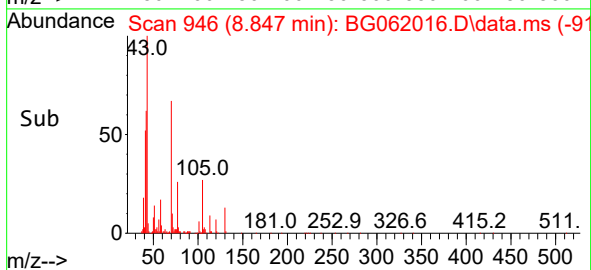
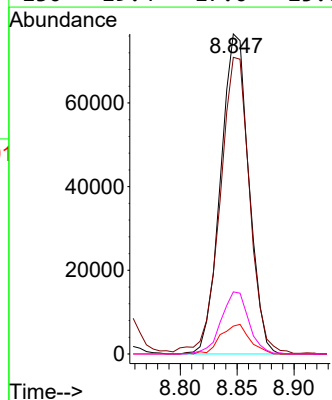
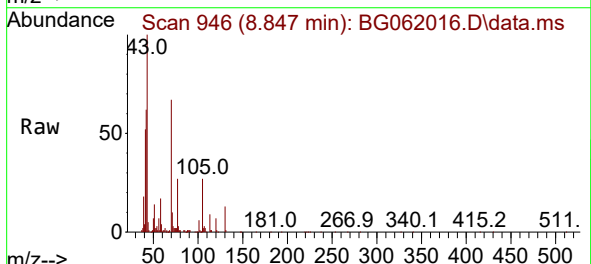
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ClientSampleId :
A4CZ2MS

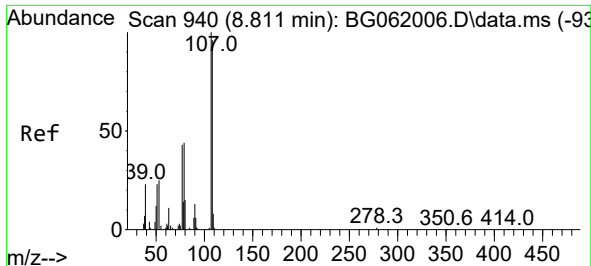
Tgt Ion:105 Resp: 253668
Ion Ratio Lower Upper
105 100
77 86.5 64.1 96.1
51 46.1 33.8 50.8



#17
N-Nitroso-di-n-propylamine
Concen: 34.948 ng/ul
RT: 8.847 min Scan# 946
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion: 70 Resp: 132193
Ion Ratio Lower Upper
70 100
42 92.7 64.7 97.1
101 8.7 7.3 10.9
130 19.4 17.0 25.6

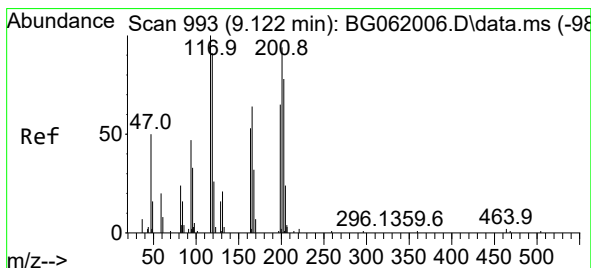
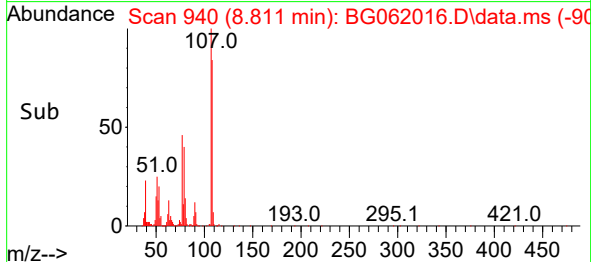
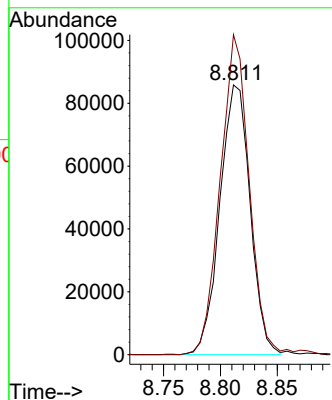
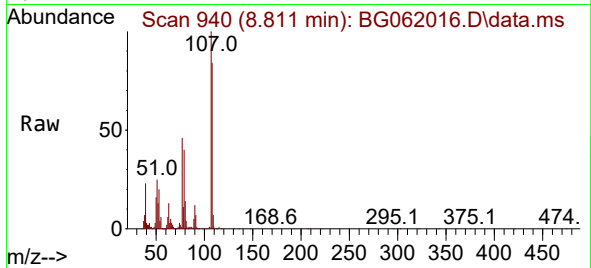




#18
4-Methylphenol
Concen: 37.392 ng/ul
RT: 8.811 min Scan# 940
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

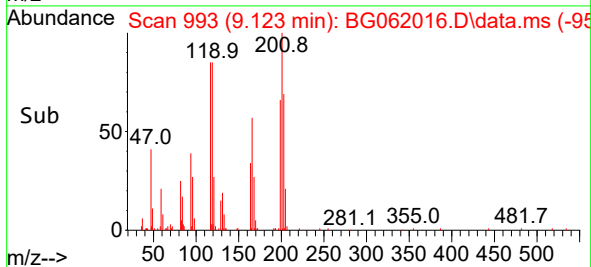
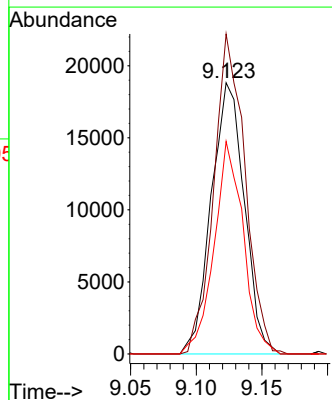
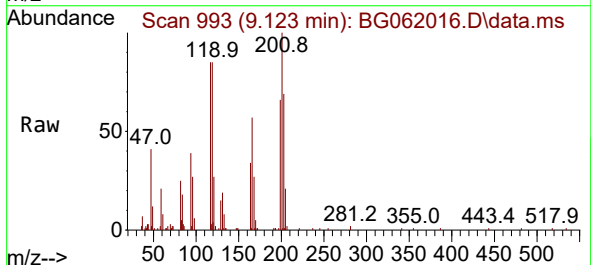
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

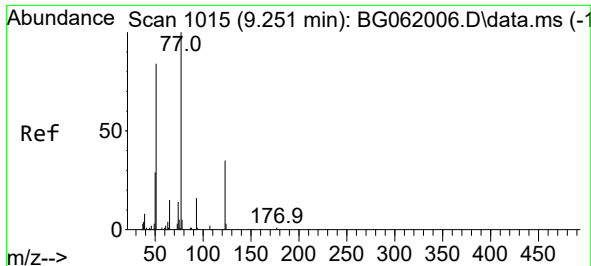
Tgt Ion:108 Resp: 158963
Ion Ratio Lower Upper
108 100
107 118.6 88.4 132.6



#19
Hexachloroethane
Concen: 20.926 ng/ul
RT: 9.123 min Scan# 993
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:117 Resp: 32956
Ion Ratio Lower Upper
117 100
201 118.9 69.3 103.9#
199 78.3 48.9 73.3#

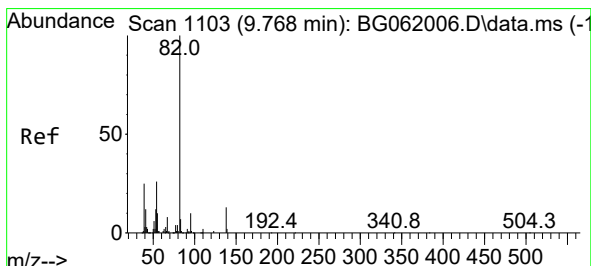
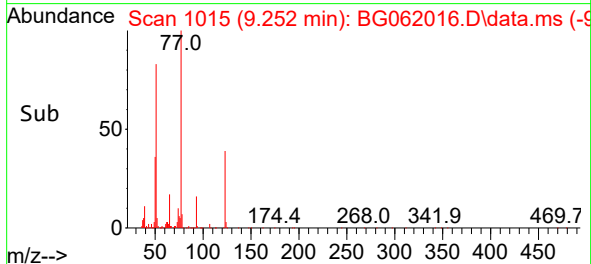
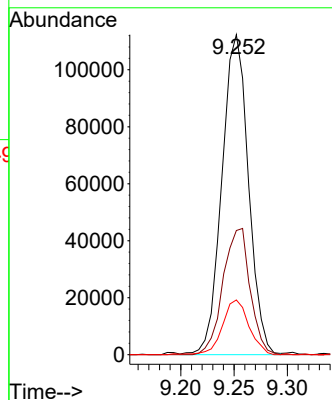
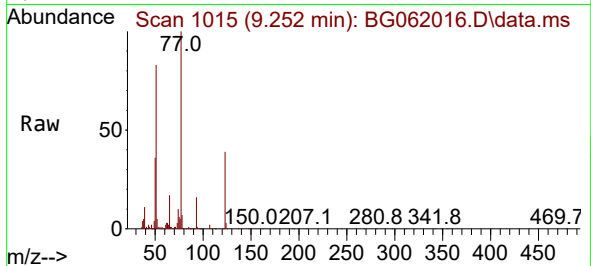




#22
Nitrobenzene
Concen: 40.377 ng/ul
RT: 9.252 min Scan# 1015
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

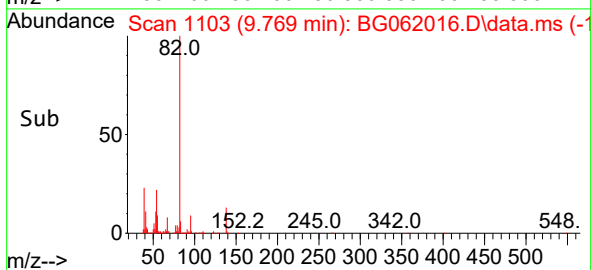
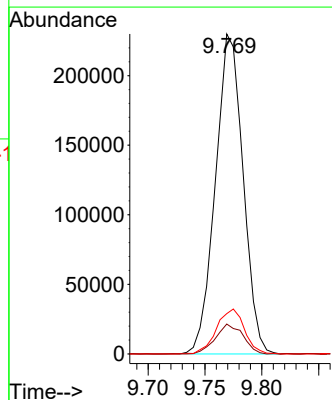
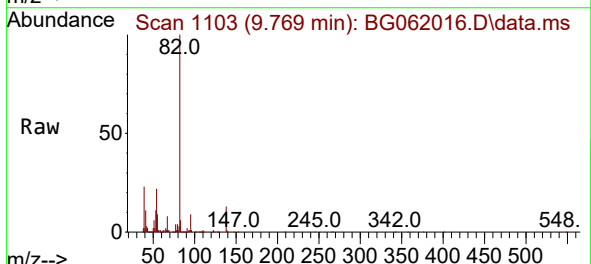
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

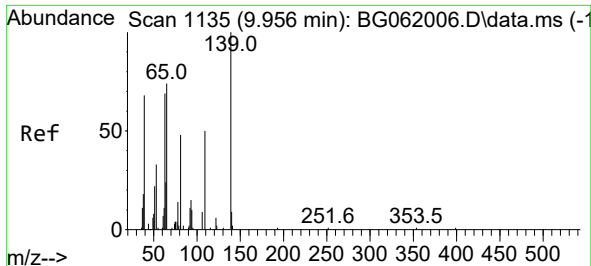
Tgt Ion: 77 Resp: 194467
Ion Ratio Lower Upper
77 100
123 38.8 31.0 46.6
65 17.1 12.7 19.1



#23
Isophorone
Concen: 35.815 ng/ul
RT: 9.769 min Scan# 1103
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion: 82 Resp: 389692
Ion Ratio Lower Upper
82 100
95 9.3 6.0 9.0#
138 12.6 11.9 17.9

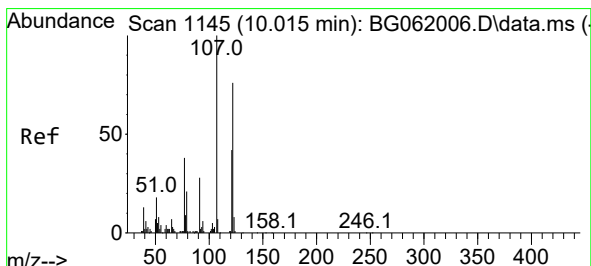
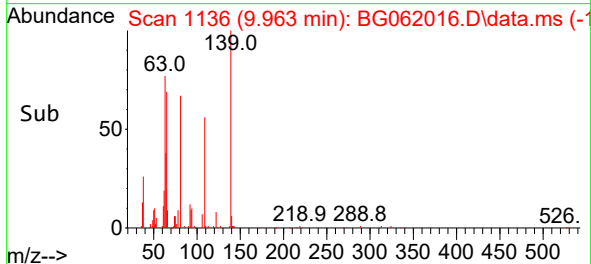
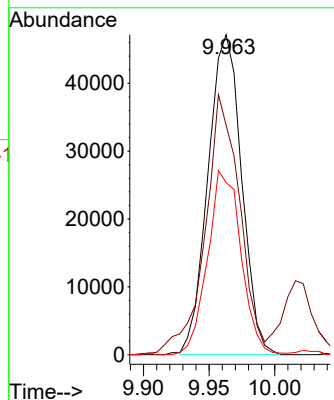
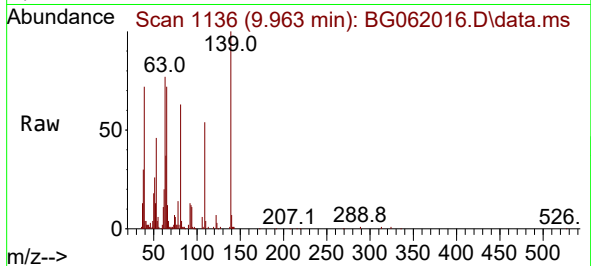




#25
2-Nitrophenol
Concen: 42.488 ng/ul
RT: 9.963 min Scan# 1135
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

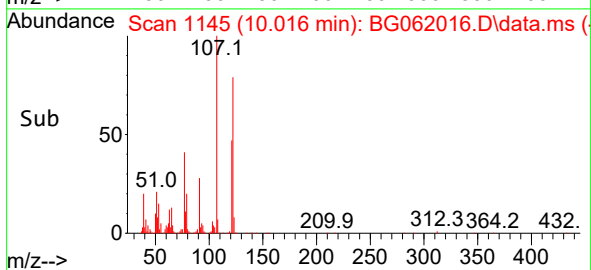
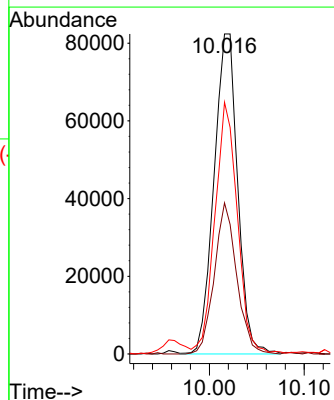
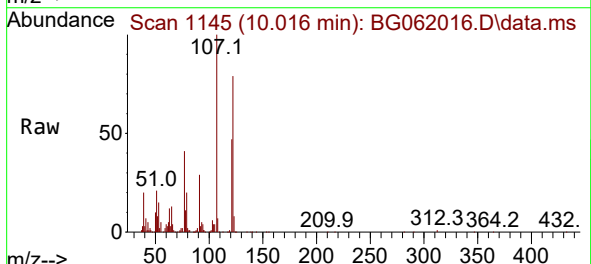
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

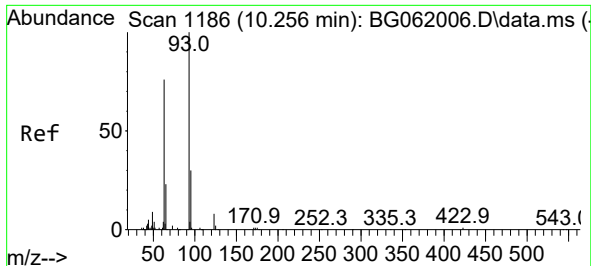
Tgt Ion:139 Resp: 83955
Ion Ratio Lower Upper
139 100
65 71.7 61.6 92.4
109 53.8 35.4 53.2#



#26
2,4-Dimethylphenol
Concen: 30.268 ng/ul
RT: 10.016 min Scan# 1145
Delta R.T. -0.005 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:107 Resp: 143140
Ion Ratio Lower Upper
107 100
121 47.2 35.6 53.4
122 78.7 62.2 93.2

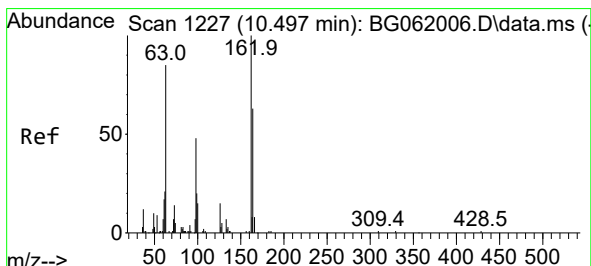
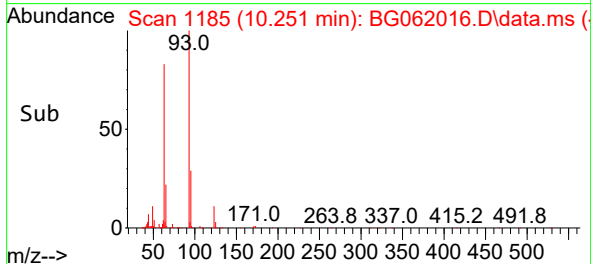
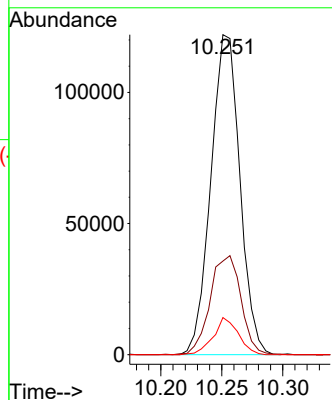
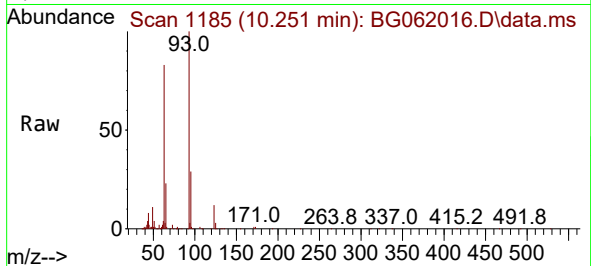




#27
 Bis(2-Chloroethoxy)methane
 Concen: 33.763 ng/ul
 RT: 10.251 min Scan# 1185
 Delta R.T. 0.001 min
 Lab File: BG062016.D
 Acq: 11 Jul 2024 19:06

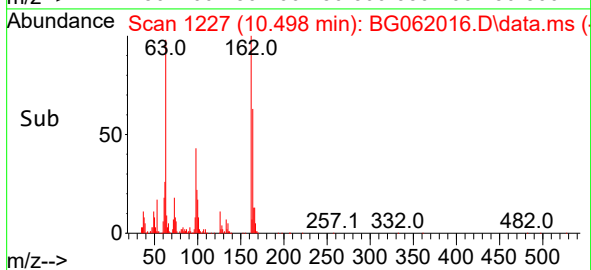
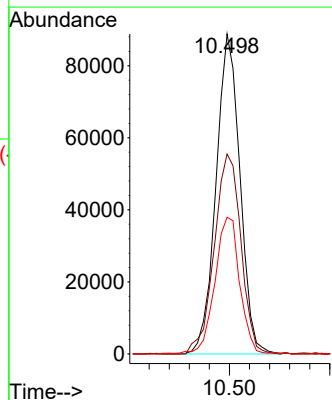
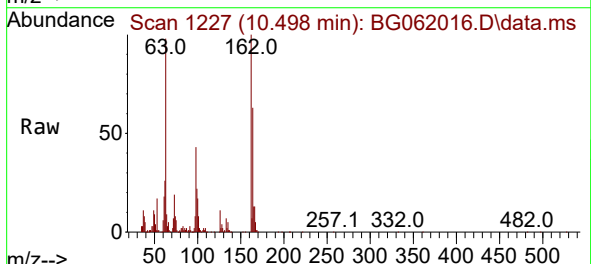
Instrument :
 BNA_G
 ClientSampleId :
 A4CZ2MS

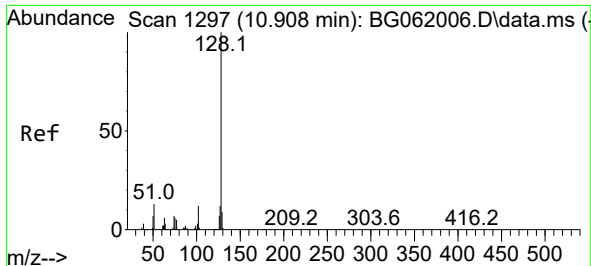
Tgt Ion: 93 Resp: 202309
 Ion Ratio Lower Upper
 93 100
 95 29.3 26.2 39.2
 123 11.6 7.5 11.3#



#29
 2,4-Dichlorophenol
 Concen: 41.827 ng/ul
 RT: 10.498 min Scan# 1227
 Delta R.T. 0.001 min
 Lab File: BG062016.D
 Acq: 11 Jul 2024 19:06

Tgt Ion:162 Resp: 146838
 Ion Ratio Lower Upper
 162 100
 164 62.5 46.9 70.3
 98 42.8 33.4 50.2

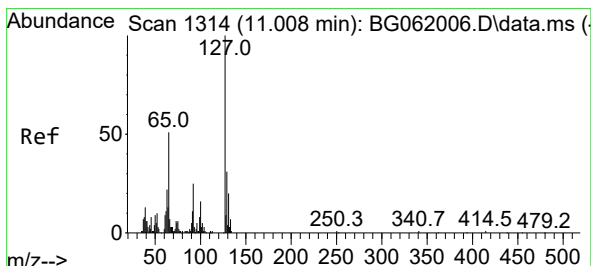
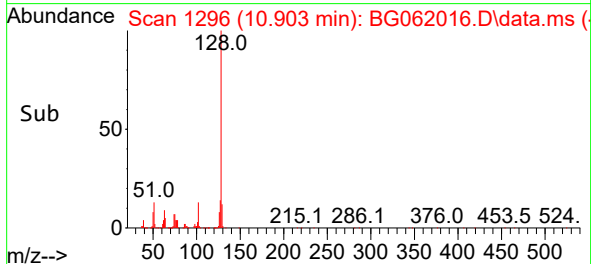
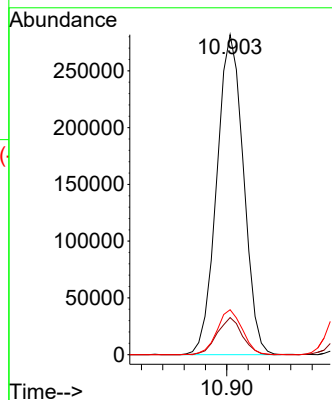
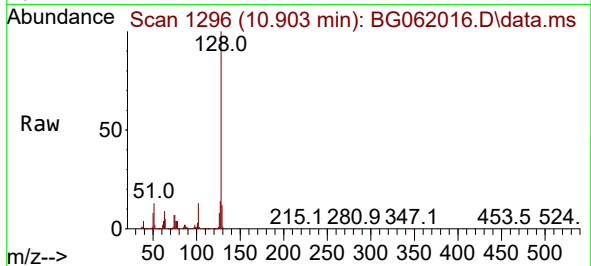




#30
Naphthalene
Concen: 40.053 ng/ul
RT: 10.903 min Scan# 1296
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

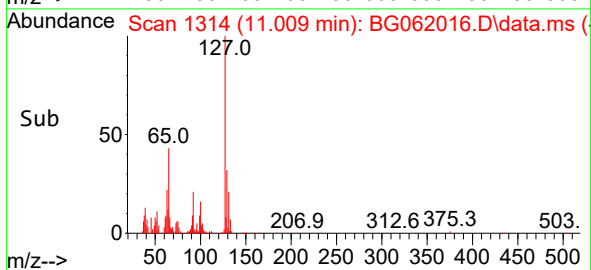
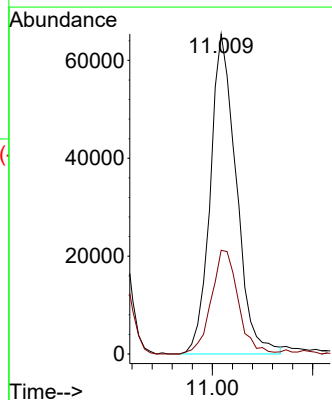
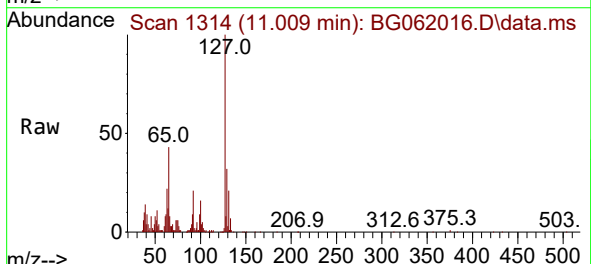
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

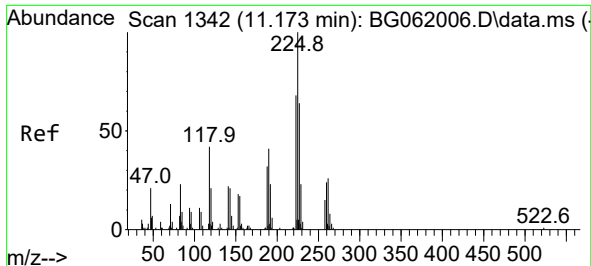
Tgt Ion:128 Resp: 490830
Ion Ratio Lower Upper
128 100
129 11.6 7.7 11.5#
127 14.1 9.6 14.4



#32
4-Chloroaniline
Concen: 22.084 ng/ul
RT: 11.009 min Scan# 1314
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:127 Resp: 117578
Ion Ratio Lower Upper
127 100
129 32.4 24.2 36.4

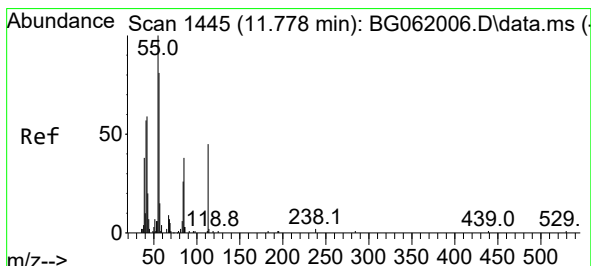
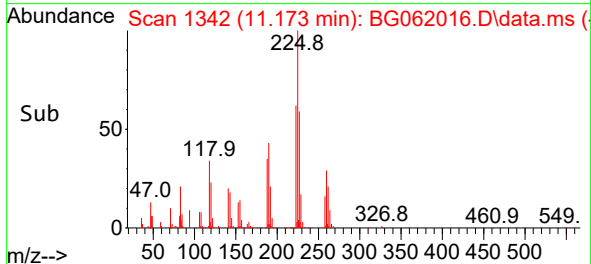
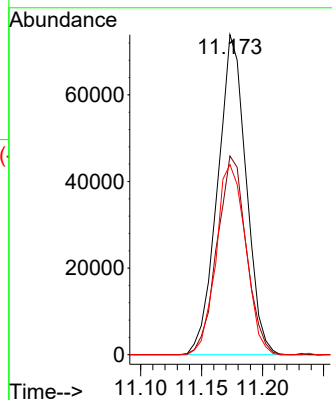
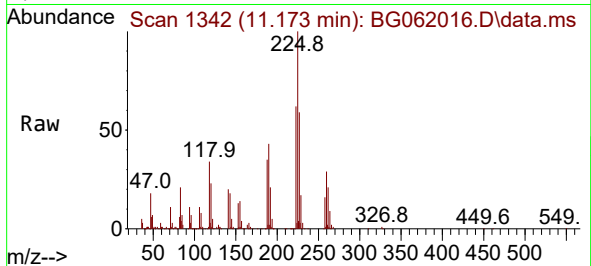




#33
Hexachlorobutadiene
Concen: 45.503 ng/ul
RT: 11.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

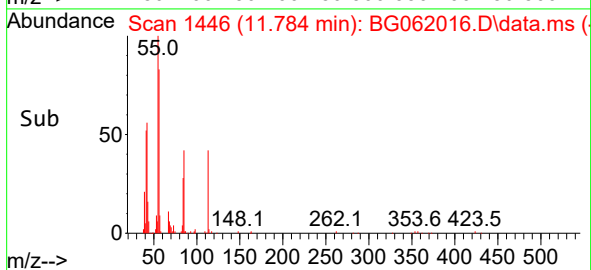
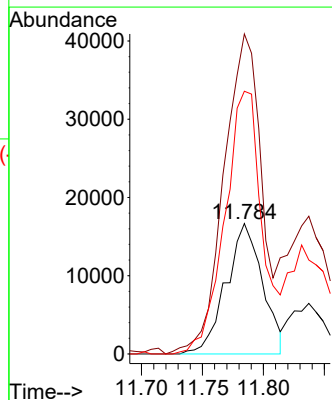
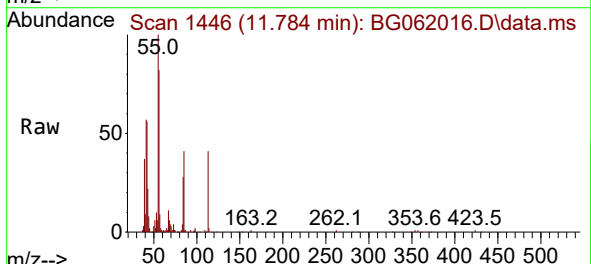
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

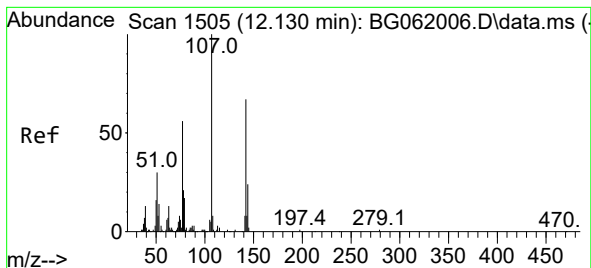
Tgt Ion:225 Resp: 120209
Ion Ratio Lower Upper
225 100
223 62.1 45.4 68.2
227 59.4 44.0 66.0



#34
Caprolactam
Concen: 25.224 ng/ul
RT: 11.784 min Scan# 1446
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:113 Resp: 34694
Ion Ratio Lower Upper
113 100
55 245.4 184.6 276.8
56 201.5 135.0 202.6

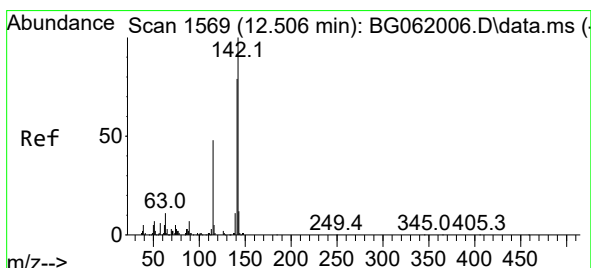
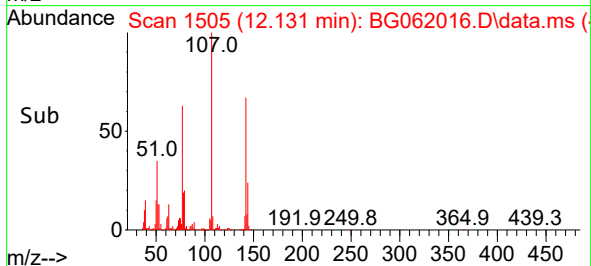
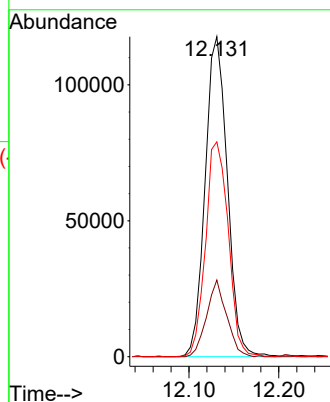
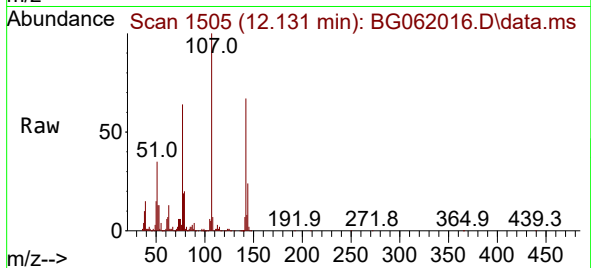




#35
4-Chloro-3-methylphenol
Concen: 43.257 ng/ul
RT: 12.131 min Scan# 1505
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

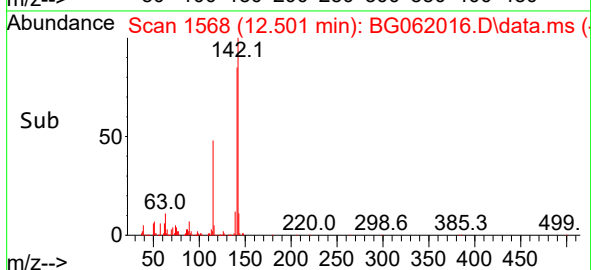
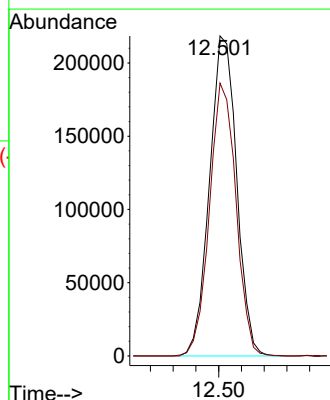
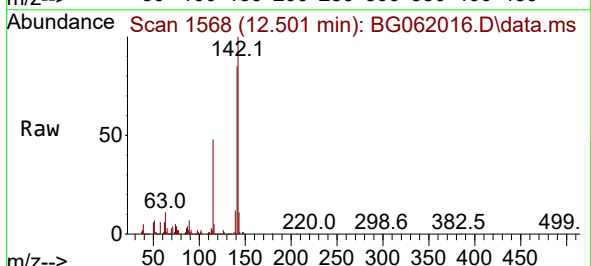
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

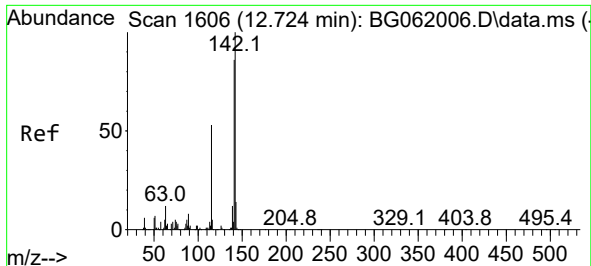
Tgt Ion:107 Resp: 202252
Ion Ratio Lower Upper
107 100
144 23.9 19.6 29.4
142 67.2 60.3 90.5



#36
2-Methylnaphthalene
Concen: 40.812 ng/ul
RT: 12.501 min Scan# 1568
Delta R.T. -0.005 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:142 Resp: 362334
Ion Ratio Lower Upper
142 100
141 85.2 69.4 104.2





#37

1-Methylnaphthalene

Concen: 41.409 ng/ul

RT: 12.724 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

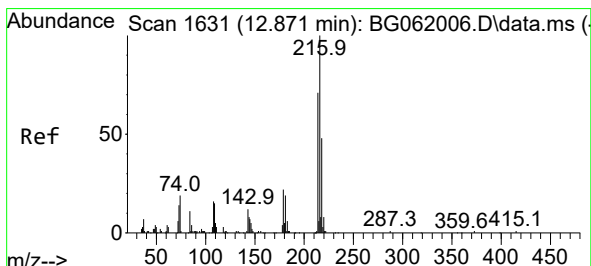
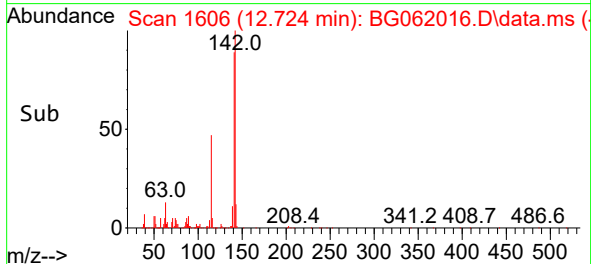
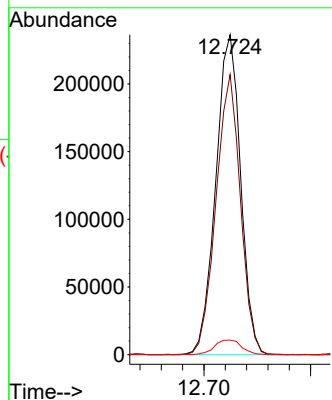
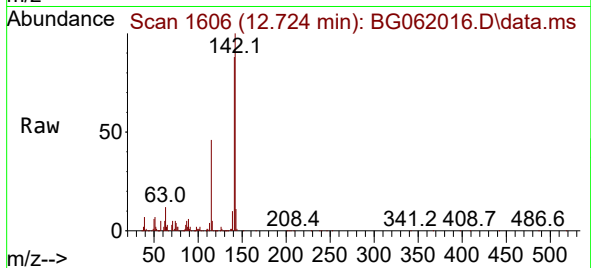
Tgt Ion:142 Resp: 382049

Ion Ratio Lower Upper

142 100

141 87.6 71.4 107.2

116 4.6 3.8 5.8



#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.147 ng/ul

RT: 12.865 min Scan# 1630

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Tgt Ion:216 Resp: 192022

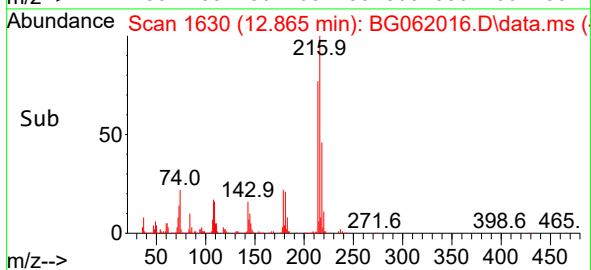
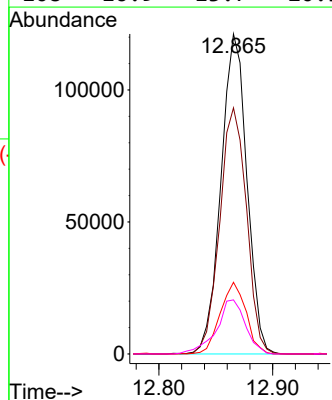
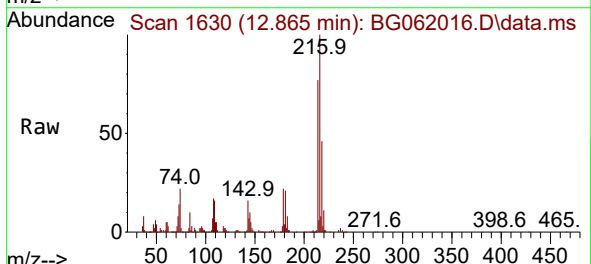
Ion Ratio Lower Upper

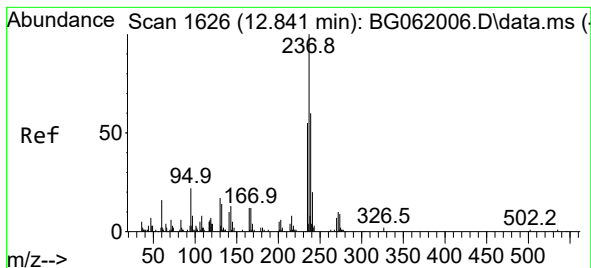
216 100

214 76.9 62.5 93.7

179 22.4 18.6 27.8

108 16.9 13.7 20.5

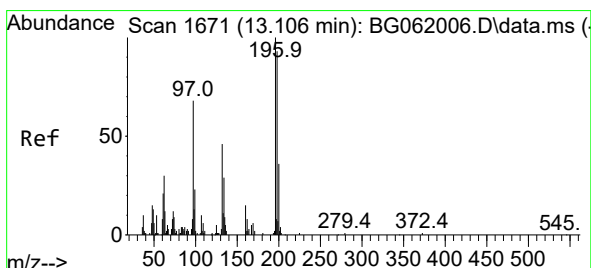
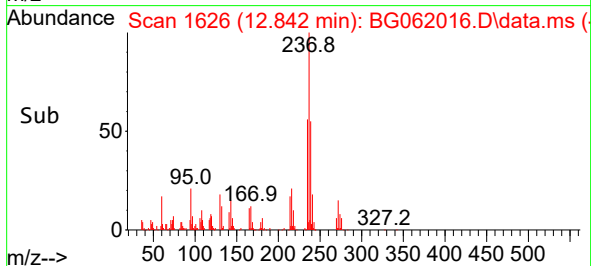
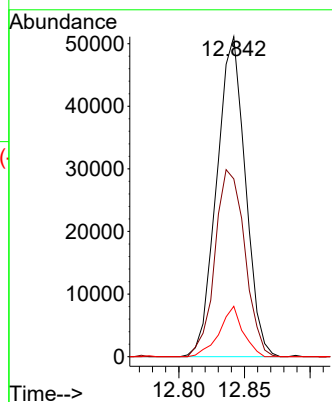
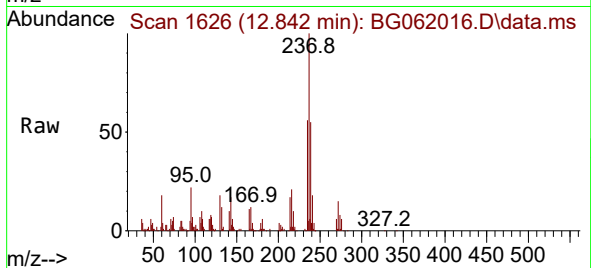




#40
Hexachlorocyclopentadiene
Concen: 24.377 ng/ul
RT: 12.842 min Scan# 1626
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

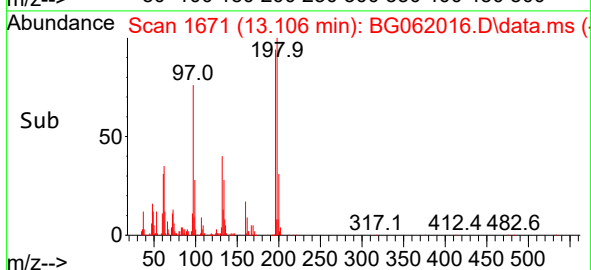
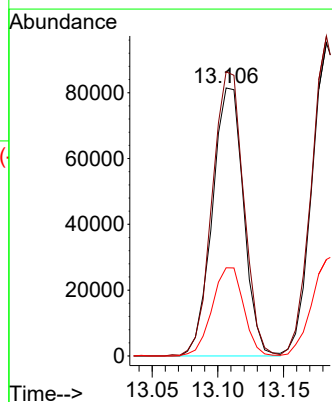
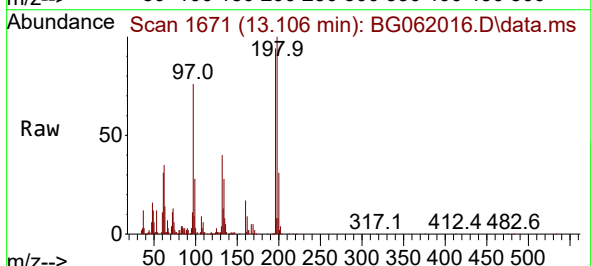
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

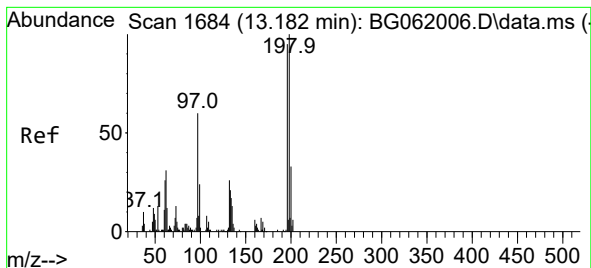
Tgt Ion:237 Resp: 77615
Ion Ratio Lower Upper
237 100
235 55.6 51.7 77.5
272 15.8 12.4 18.6



#41
2,4,6-Trichlorophenol
Concen: 42.568 ng/ul
RT: 13.106 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:196 Resp: 135234
Ion Ratio Lower Upper
196 100
198 106.0 79.9 119.9
200 32.9 26.7 40.1





#42

2,4,5-Trichlorophenol

Concen: 43.831 ng/ul

RT: 13.183 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

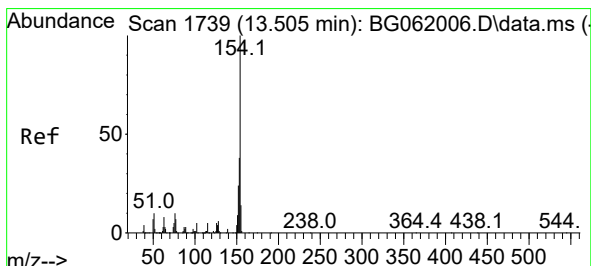
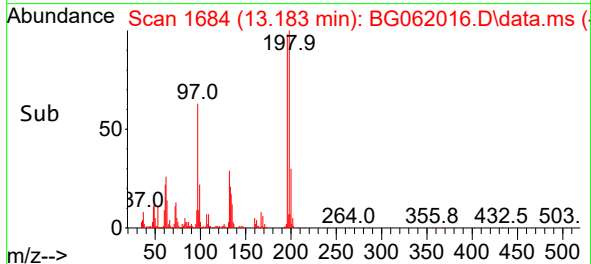
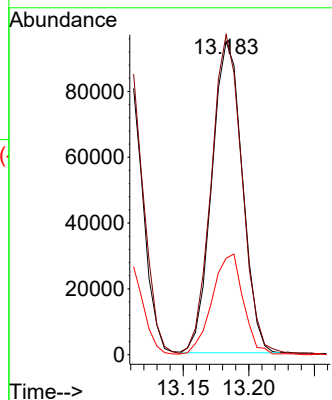
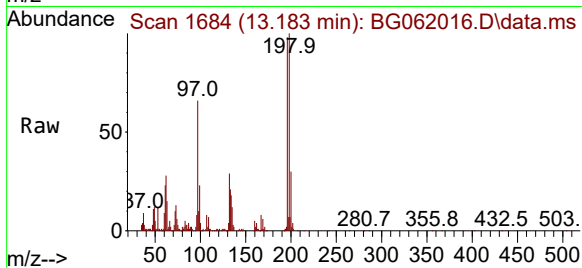
Tgt Ion:196 Resp: 152963

Ion Ratio Lower Upper

196 100

198 102.2 72.5 108.7

200 30.8 23.7 35.5



#43

1,1'-Biphenyl

Concen: 41.086 ng/ul

RT: 13.506 min Scan# 1739

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

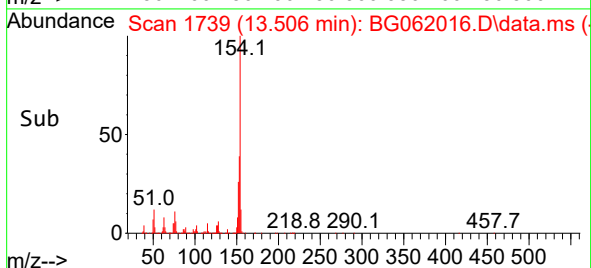
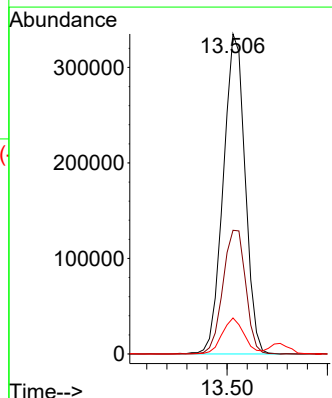
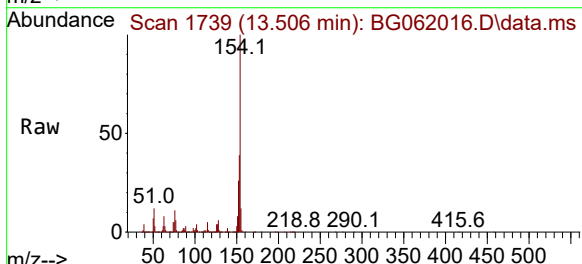
Tgt Ion:154 Resp: 504198

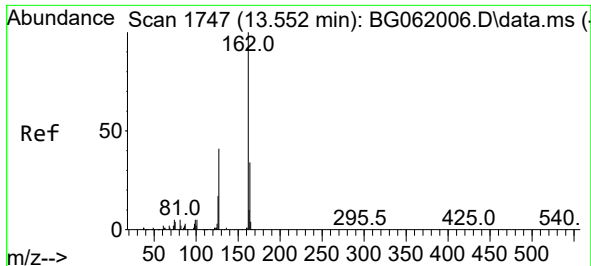
Ion Ratio Lower Upper

154 100

153 38.6 31.7 47.5

76 11.2 10.0 15.0

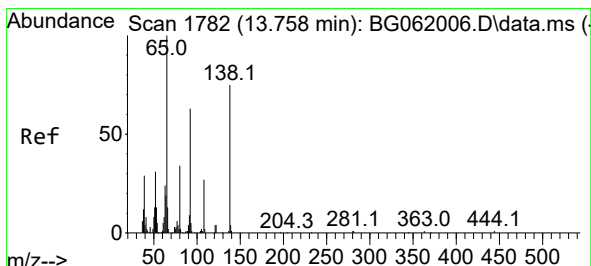
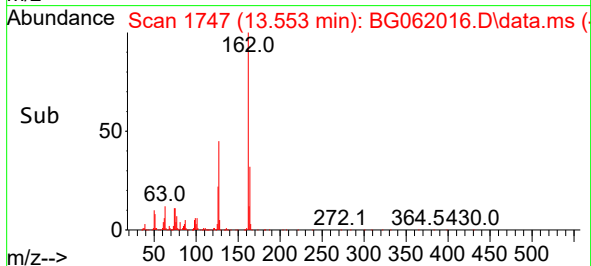
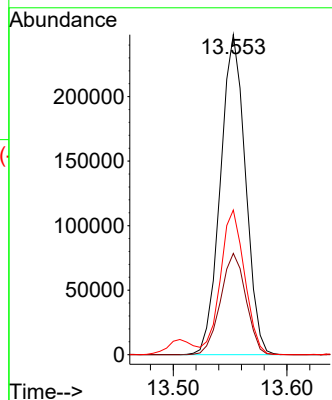
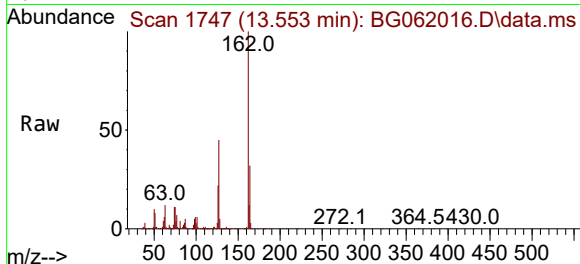




#44
2-Chloronaphthalene
Concen: 41.204 ng/ul
RT: 13.553 min Scan# 1747
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

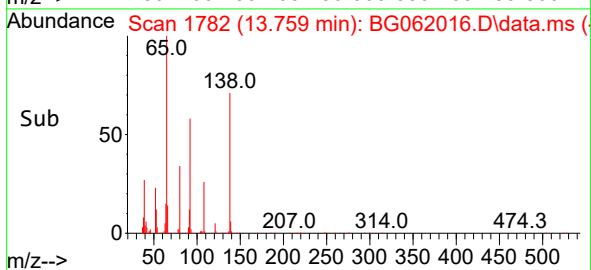
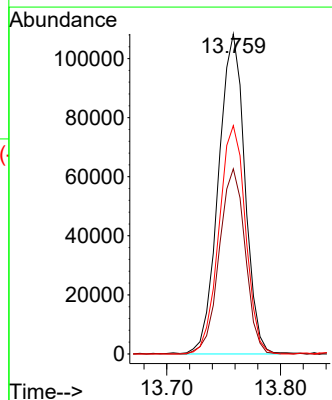
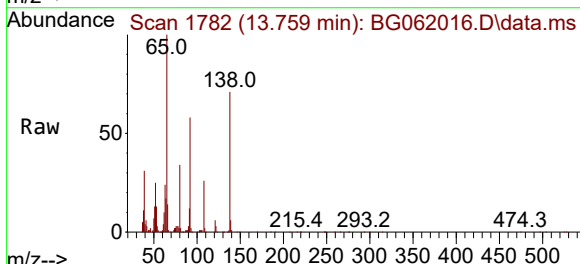
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

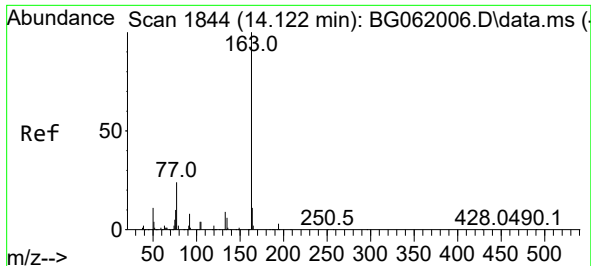
Tgt Ion:162 Resp: 379498
Ion Ratio Lower Upper
162 100
164 31.7 23.3 34.9
127 45.2 33.2 49.8



#45
2-Nitroaniline
Concen: 47.317 ng/ul
RT: 13.759 min Scan# 1782
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion: 65 Resp: 174517
Ion Ratio Lower Upper
65 100
92 57.9 48.2 72.4
138 71.3 56.8 85.2

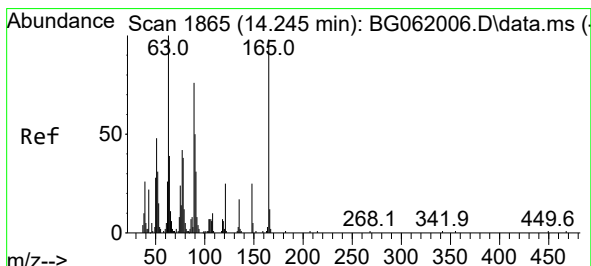
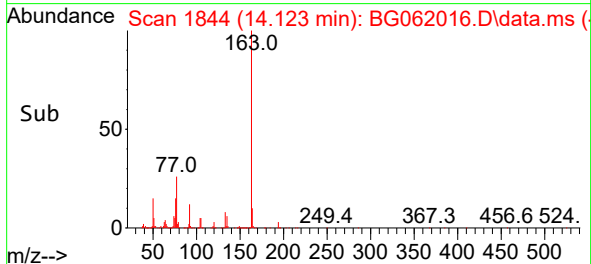
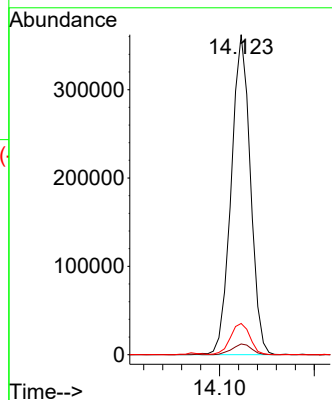
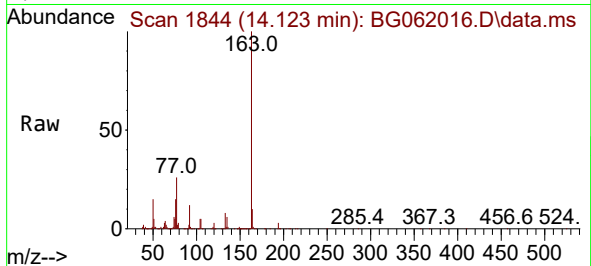




#47
Dimethylphthalate
Concen: 40.445 ng/ul
RT: 14.123 min Scan# 1844
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

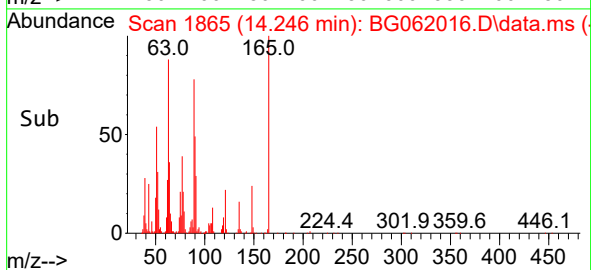
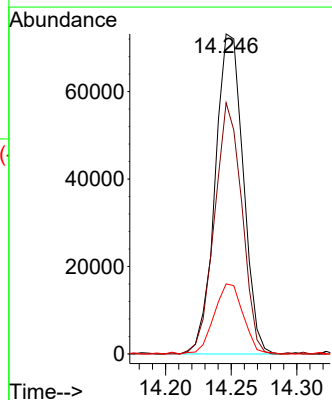
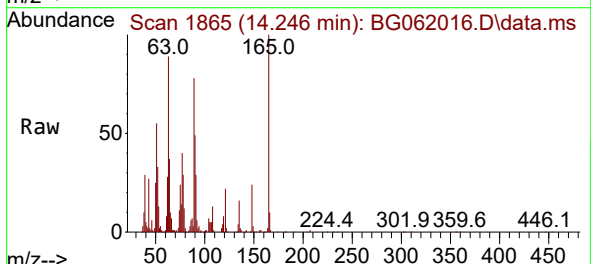
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

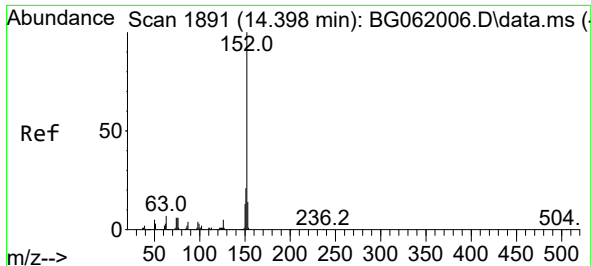
Tgt Ion:163 Resp: 509401
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.7 8.2 12.4



#48
2,6-Dinitrotoluene
Concen: 45.592 ng/ul
RT: 14.246 min Scan# 1865
Delta R.T. -0.005 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:165 Resp: 108935
Ion Ratio Lower Upper
165 100
89 78.5 62.6 93.8
121 21.9 18.4 27.6

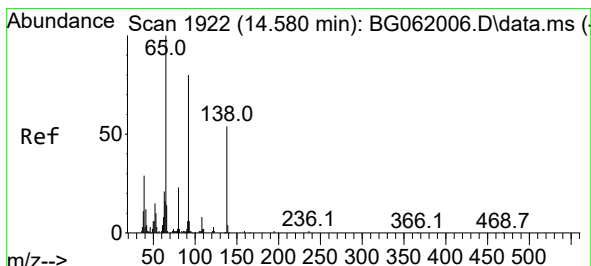
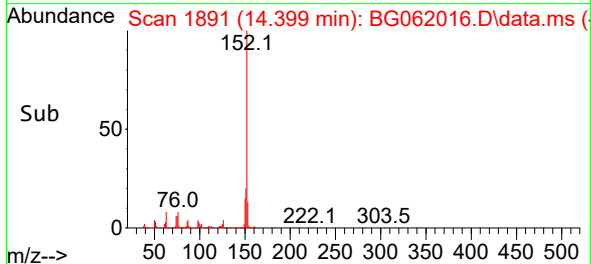
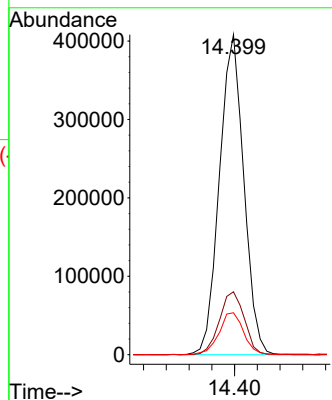
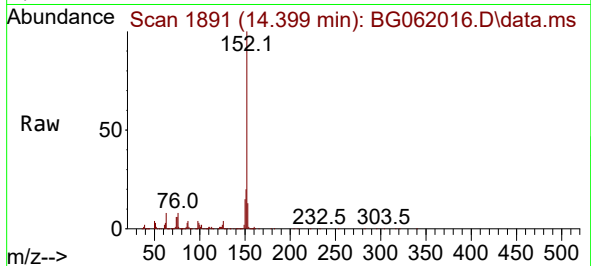




#50
Acenaphthylene
Concen: 40.339 ng/ul
RT: 14.399 min Scan# 1891
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

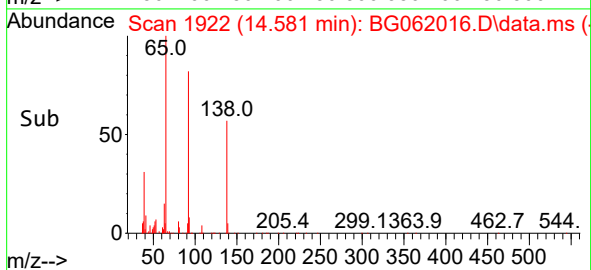
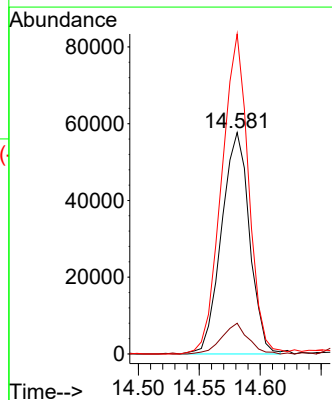
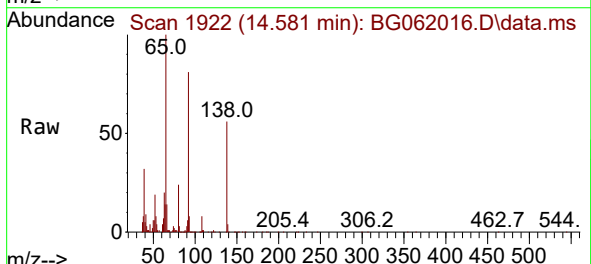
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

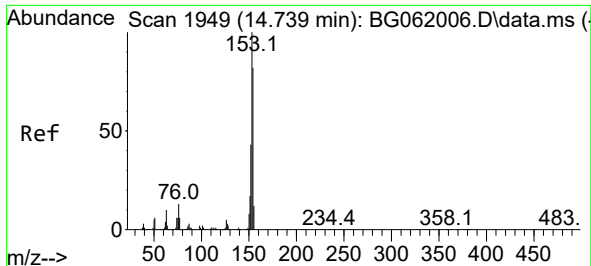
Tgt Ion:152 Resp: 606202
Ion Ratio Lower Upper
152 100
151 19.6 16.5 24.7
153 13.1 11.4 17.0



#51
3-Nitroaniline
Concen: 39.671 ng/ul
RT: 14.581 min Scan# 1922
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:138 Resp: 92267
Ion Ratio Lower Upper
138 100
108 13.9 12.3 18.5
92 144.5 116.3 174.5

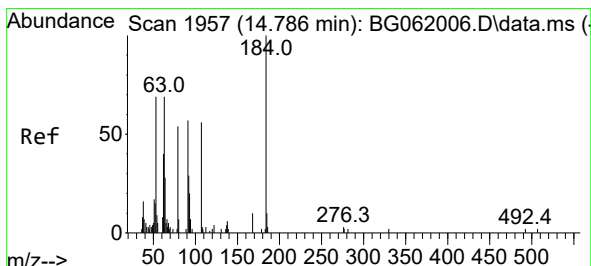
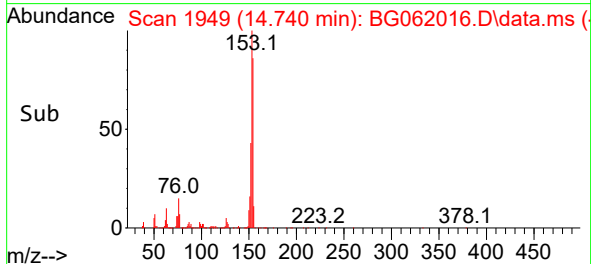
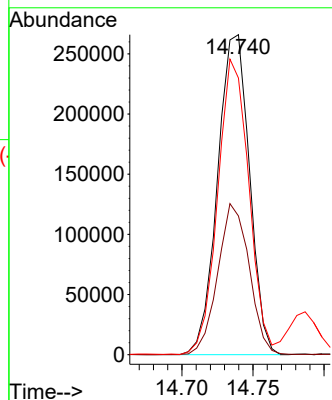
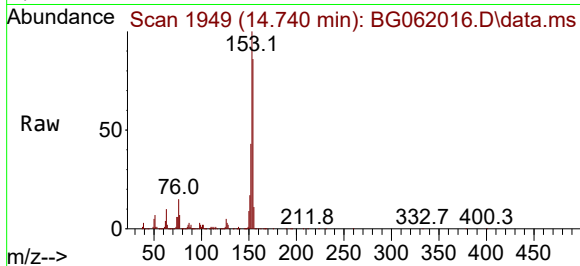




#52
Acenaphthene
Concen: 40.030 ng/ul
RT: 14.740 min Scan# 1949
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

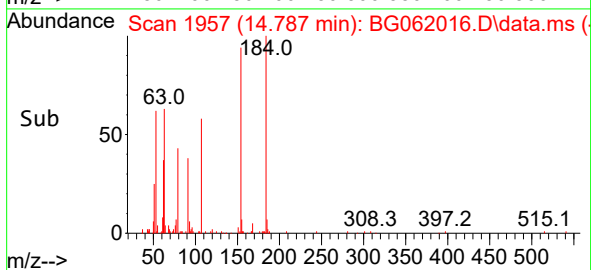
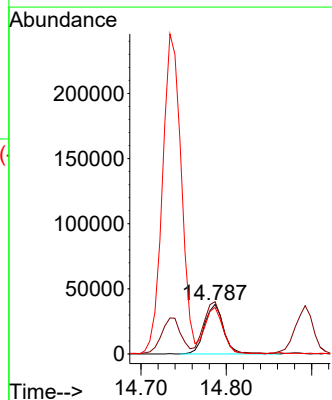
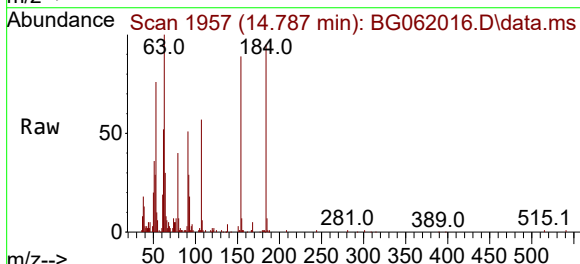
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

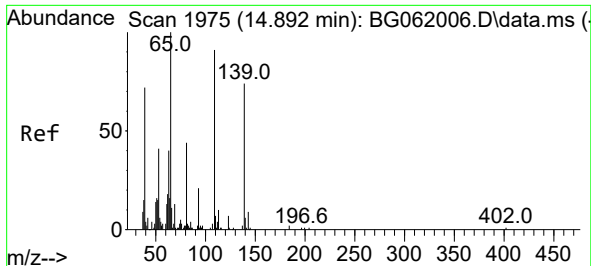
Tgt Ion:153 Resp: 415381
Ion Ratio Lower Upper
153 100
152 43.3 37.2 55.8
154 86.5 75.0 112.6



#53
2,4-Dinitrophenol
Concen: 47.489 ng/ul
RT: 14.787 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:184 Resp: 59280
Ion Ratio Lower Upper
184 100
63 105.5 83.6 125.4
154 93.8 66.8 100.2

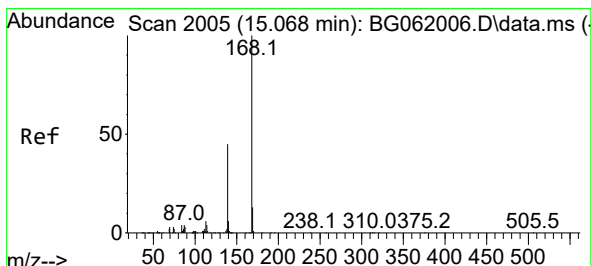
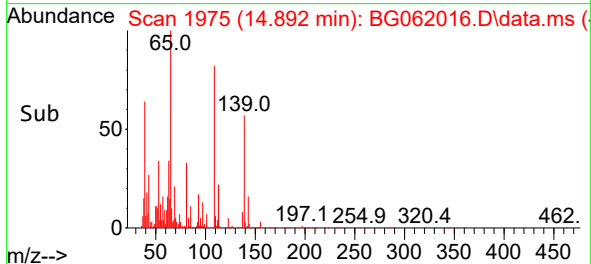
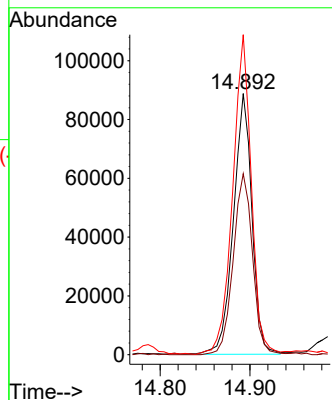
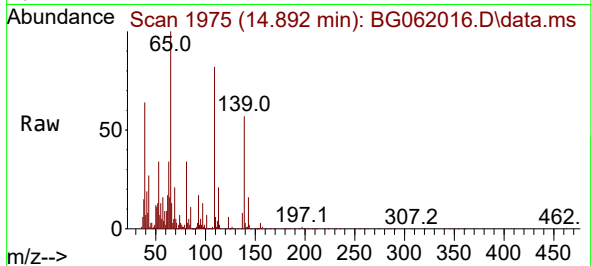




#55
4-Nitrophenol
Concen: 53.350 ng/ul
RT: 14.892 min Scan# 1975
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

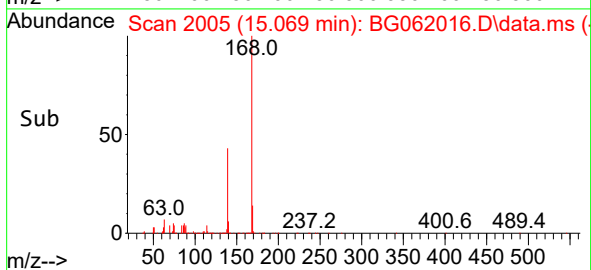
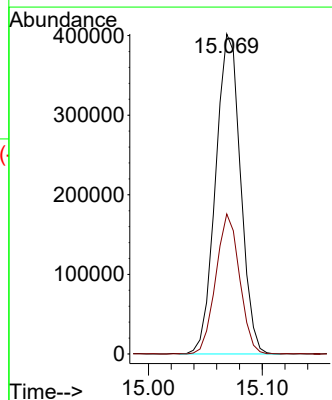
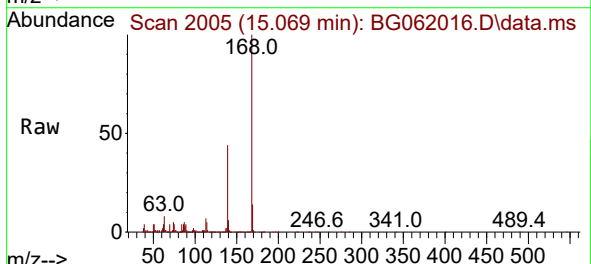
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

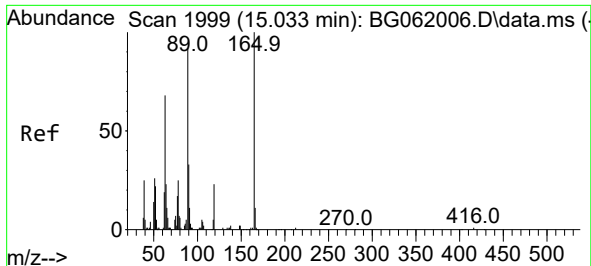
Tgt Ion:109 Resp: 127328
Ion Ratio Lower Upper
109 100
139 69.3 67.4 101.2
65 122.5 102.1 153.1



#56
Dibenzofuran
Concen: 41.731 ng/ul
RT: 15.069 min Scan# 2005
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:168 Resp: 612013
Ion Ratio Lower Upper
168 100
139 43.8 31.0 46.4





#57

2,4-Dinitrotoluene

Concen: 47.356 ng/ul

RT: 15.039 min Scan# 2000

Delta R.T. 0.007 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

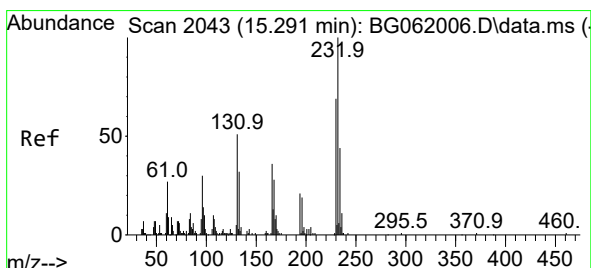
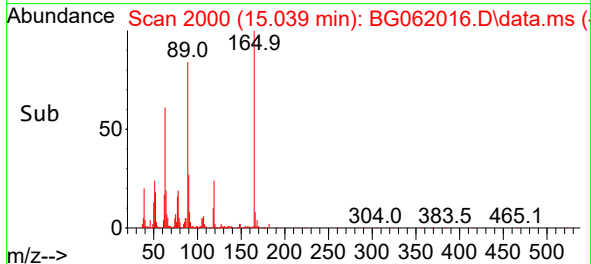
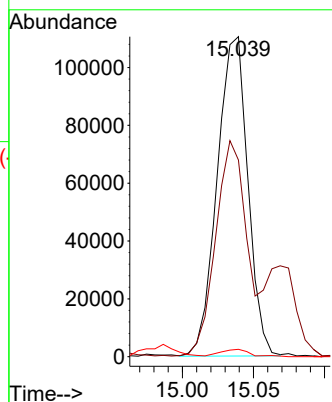
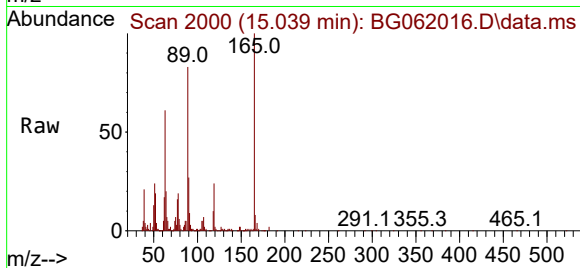
Tgt Ion:165 Resp: 165935

Ion Ratio Lower Upper

165 100

63 61.4 44.9 67.3

182 2.3 2.6 3.8#



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.527 ng/ul

RT: 15.292 min Scan# 2043

Delta R.T. -0.005 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Tgt Ion:232 Resp: 137165

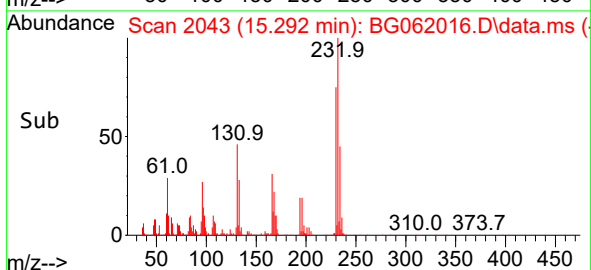
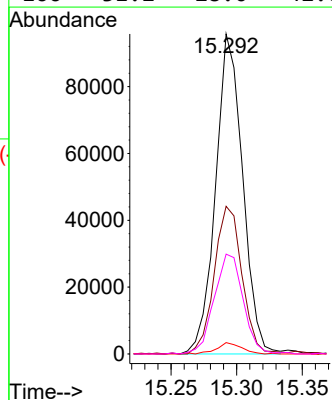
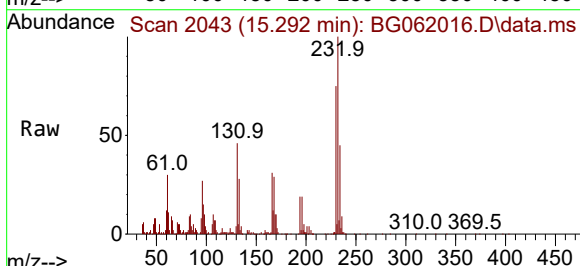
Ion Ratio Lower Upper

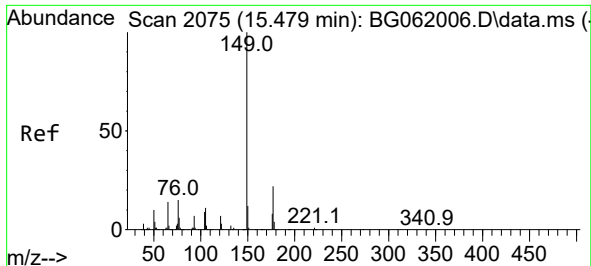
232 100

131 46.2 35.8 53.8

130 3.5 2.0 3.0#

166 31.2 28.0 42.0

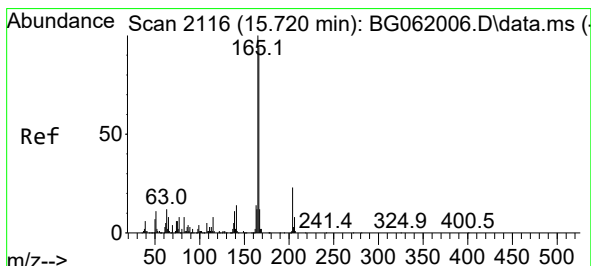
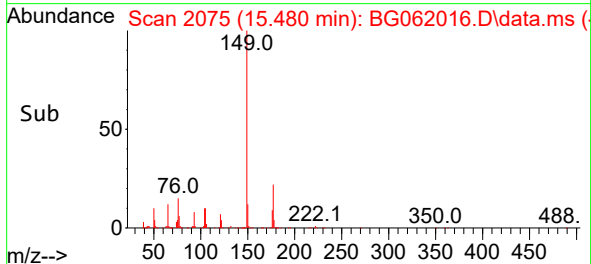
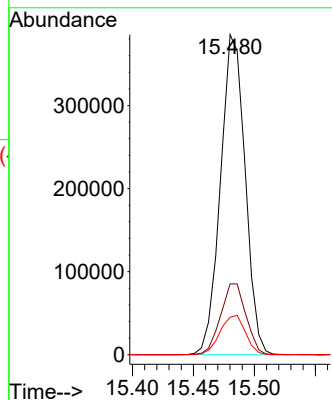
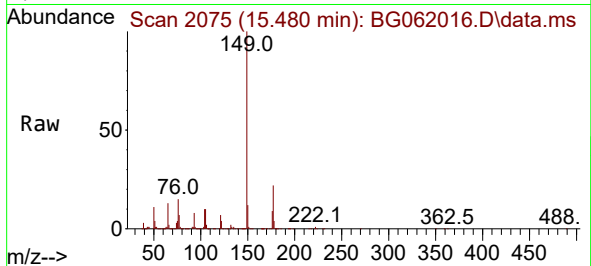




#59
Diethylphthalate
Concen: 40.007 ng/ul
RT: 15.480 min Scan# 2075
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

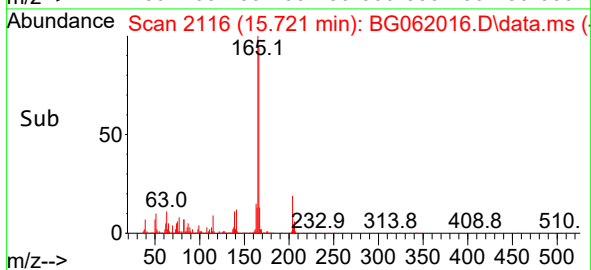
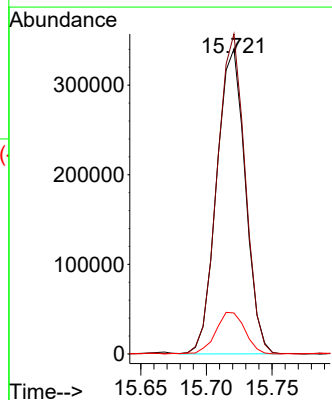
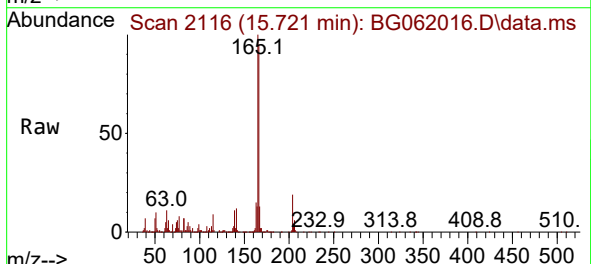
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

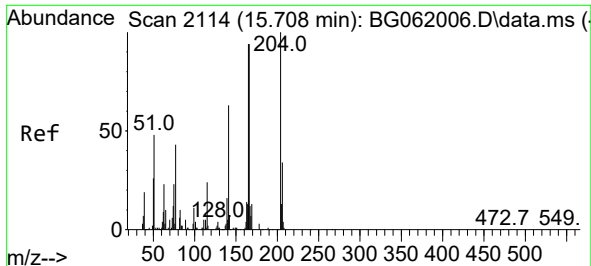
Tgt Ion:149 Resp: 542989
Ion Ratio Lower Upper
149 100
177 22.1 16.3 24.5
150 11.7 9.6 14.4



#61
Fluorene
Concen: 41.346 ng/ul
RT: 15.721 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:166 Resp: 515678
Ion Ratio Lower Upper
166 100
165 104.9 78.4 117.6
167 13.4 10.4 15.6

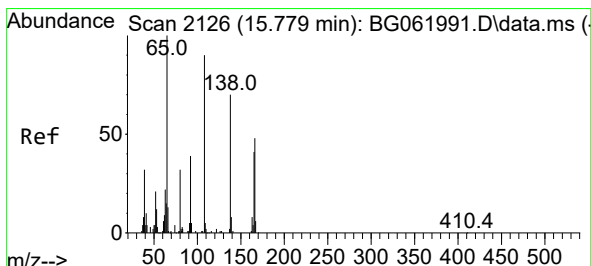
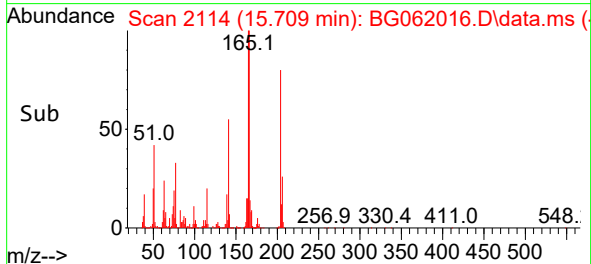
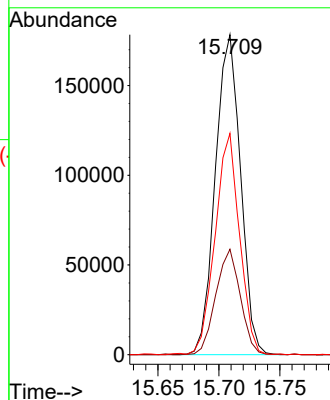
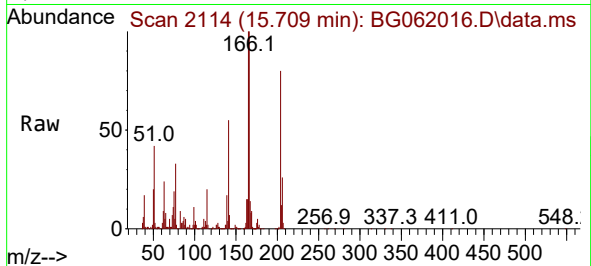




#62
4-Chlorophenyl-phenylether
Concen: 40.996 ng/ul
RT: 15.709 min Scan# 2114
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

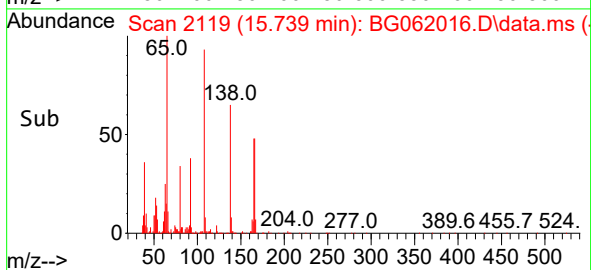
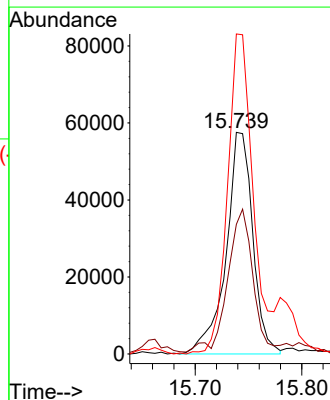
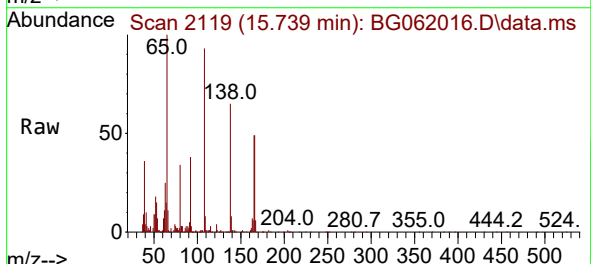
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

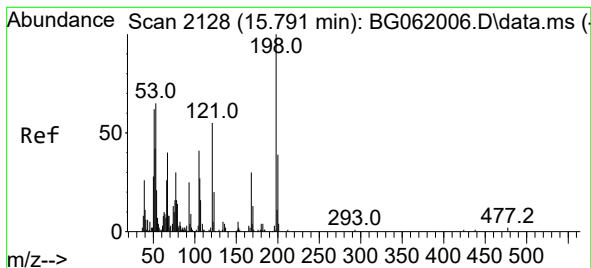
Tgt Ion:204 Resp: 256831
Ion Ratio Lower Upper
204 100
206 32.9 24.5 36.7
141 69.2 46.6 69.8



#63
4-Nitroaniline
Concen: 42.588 ng/ul
RT: 15.739 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:138 Resp: 100506
Ion Ratio Lower Upper
138 100
92 58.5 52.3 78.5
108 144.4 94.1 141.1#

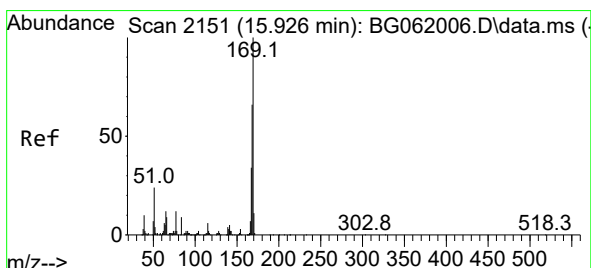
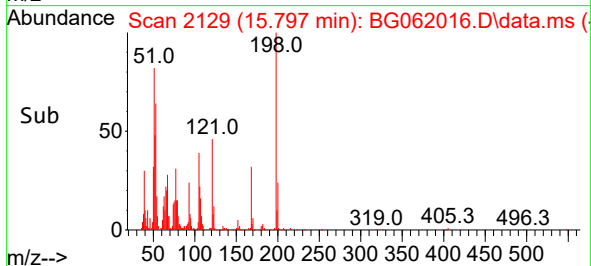
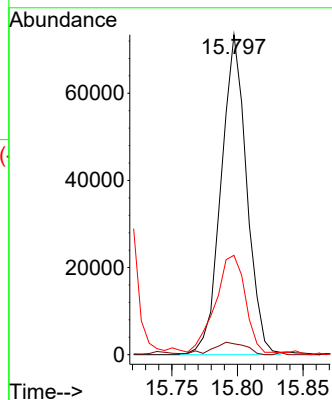
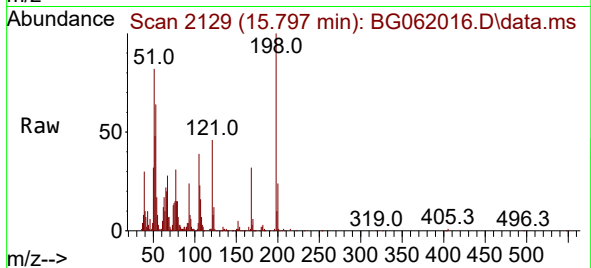




#66
4,6-Dinitro-2-methylphenol
Concen: 47.784 ng/ul
RT: 15.797 min Scan# 2128
Delta R.T. 0.007 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

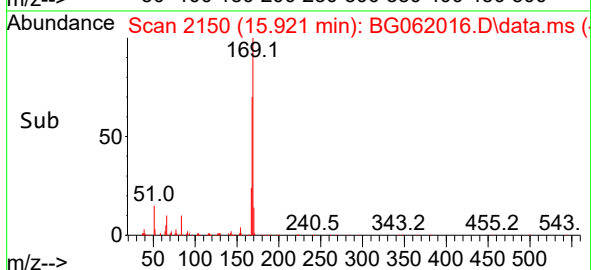
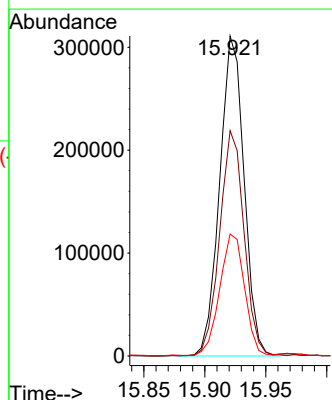
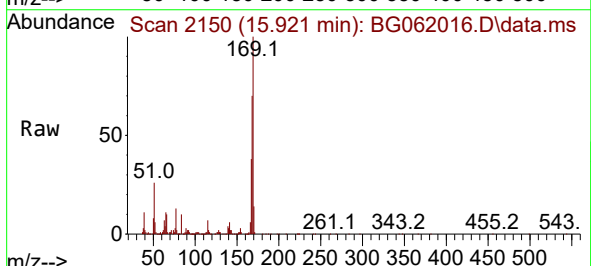
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

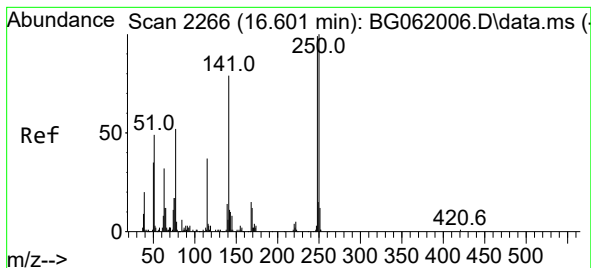
Tgt Ion:198 Resp: 99408
Ion Ratio Lower Upper
198 100
182 3.4 3.6 5.4#
77 31.0 21.8 32.8



#67
N-Nitrosodiphenylamine
Concen: 43.045 ng/ul
RT: 15.921 min Scan# 2150
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:169 Resp: 432671
Ion Ratio Lower Upper
169 100
168 70.4 55.6 83.4
167 38.1 29.8 44.8

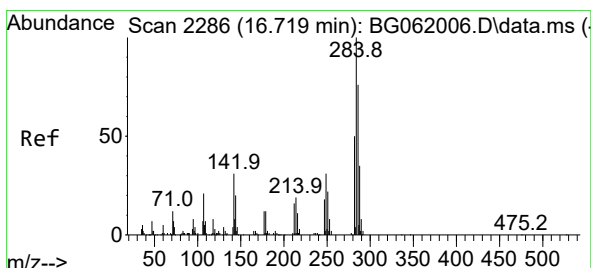
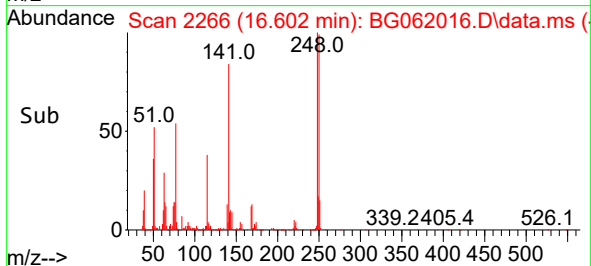
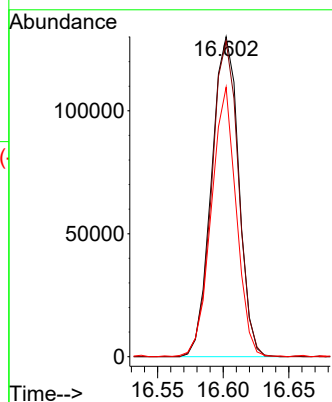
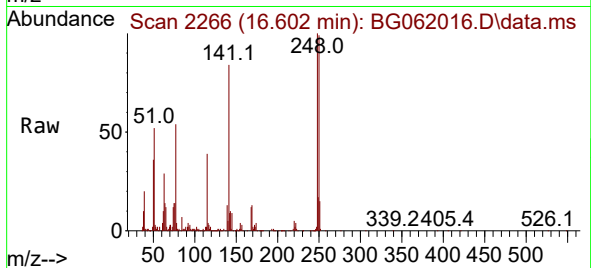




#68
4-Bromophenyl-phenylether
Concen: 44.950 ng/ul
RT: 16.602 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

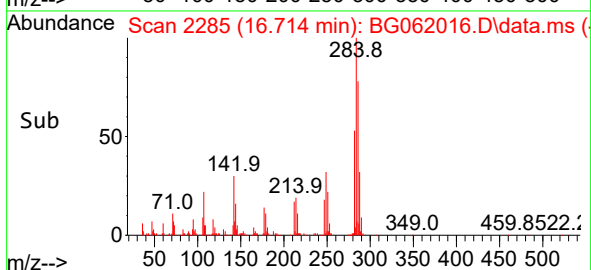
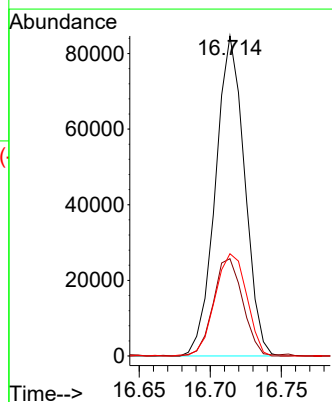
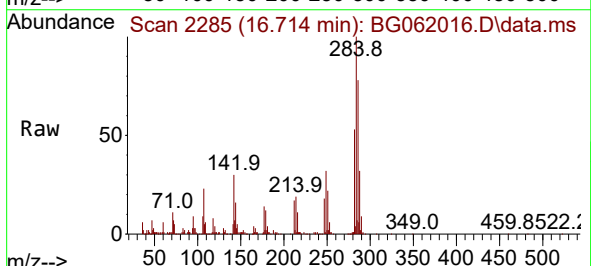
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

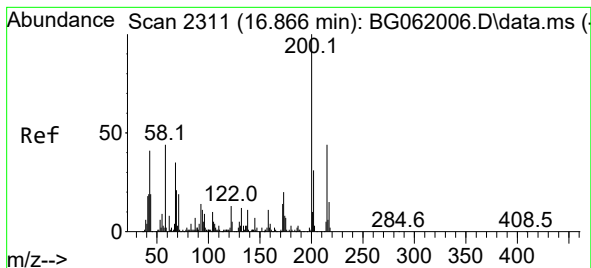
Tgt Ion:248 Resp: 187696
Ion Ratio Lower Upper
248 100
250 98.7 77.2 115.8
141 84.2 57.8 86.8



#69
Hexachlorobenzene
Concen: 25.128 ng/ul
RT: 16.714 min Scan# 2285
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:284 Resp: 120654
Ion Ratio Lower Upper
284 100
142 28.3 26.4 39.6
249 29.8 27.2 40.8





#70

Atrazine

Concen: 27.890 ng/ul

RT: 16.867 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

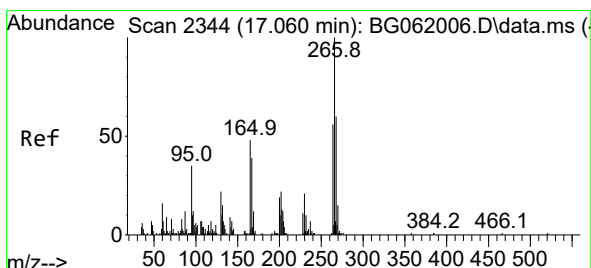
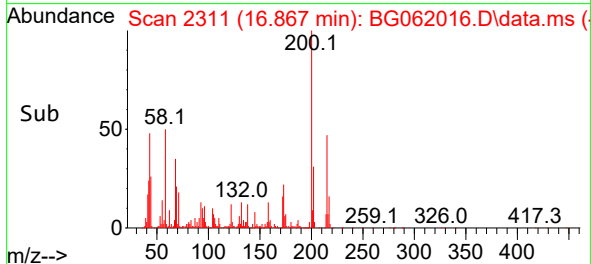
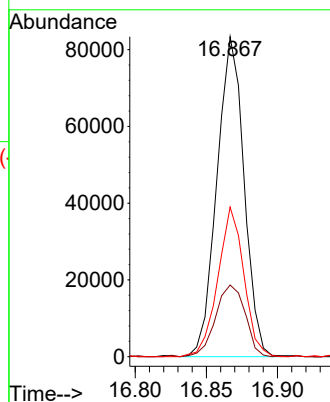
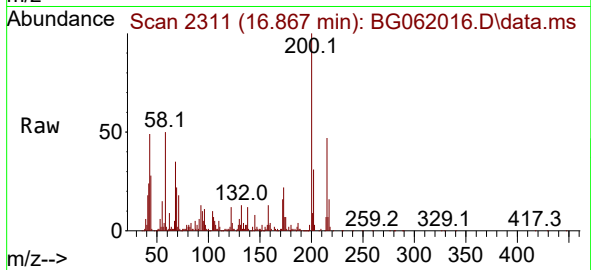
Tgt Ion:200 Resp: 110668

Ion Ratio Lower Upper

200 100

173 22.4 18.7 28.1

215 46.8 37.8 56.6



#71

Pentachlorophenol

Concen: 41.124 ng/ul

RT: 17.061 min Scan# 2344

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

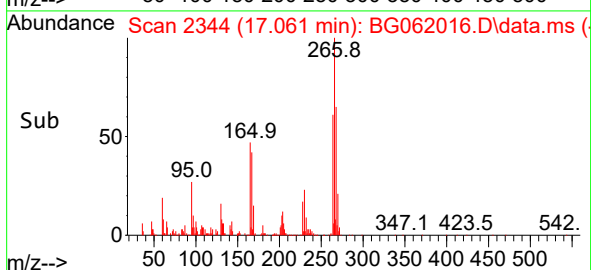
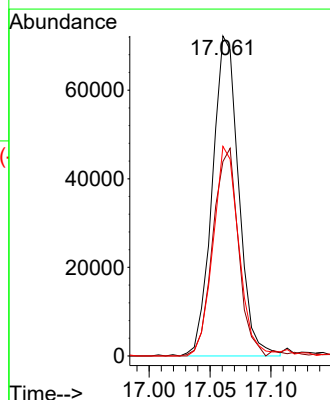
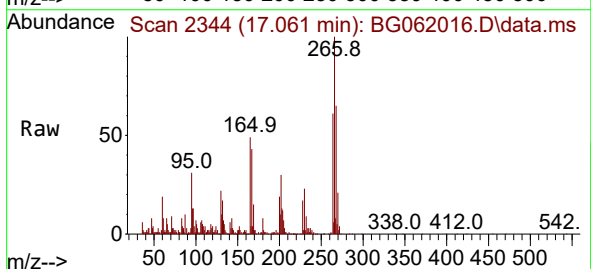
Tgt Ion:266 Resp: 108537

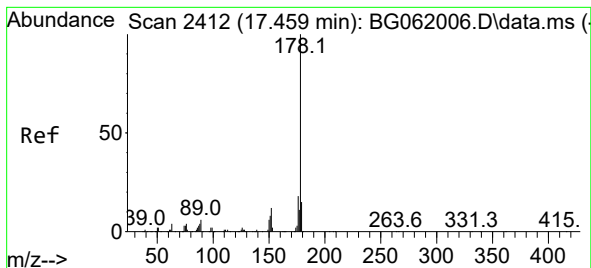
Ion Ratio Lower Upper

266 100

264 60.8 45.0 67.6

268 65.5 50.5 75.7





#72

Phenanthrene

Concen: 49.068 ng/ul

RT: 17.460 min Scan# 2412

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

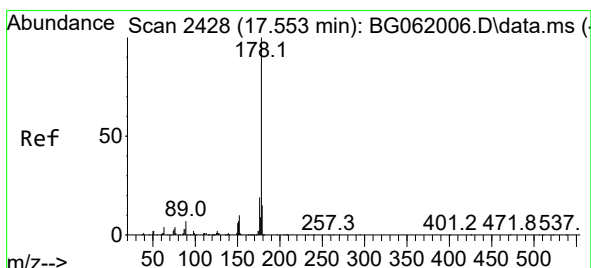
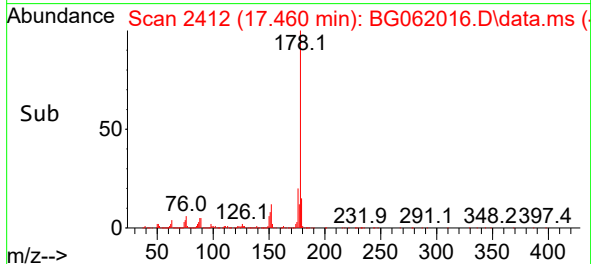
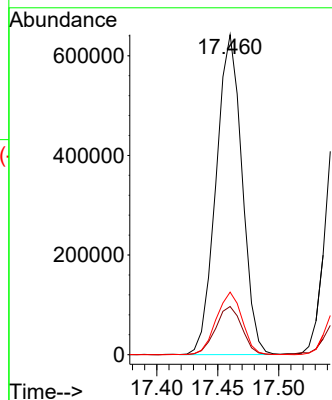
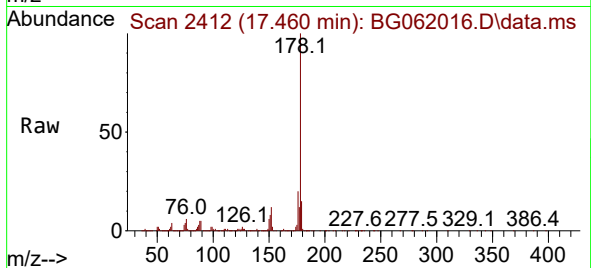
Tgt Ion:178 Resp: 952292

Ion Ratio Lower Upper

178 100

179 15.1 11.9 17.9

176 19.6 15.5 23.3



#74

Anthracene

Concen: 40.905 ng/ul

RT: 17.548 min Scan# 2427

Delta R.T. -0.005 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

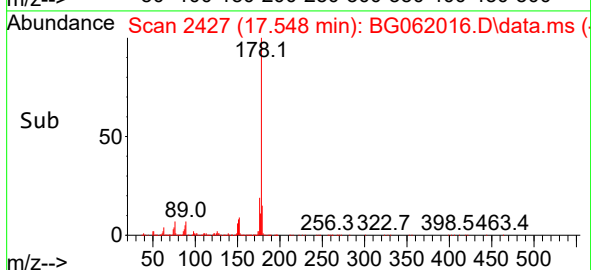
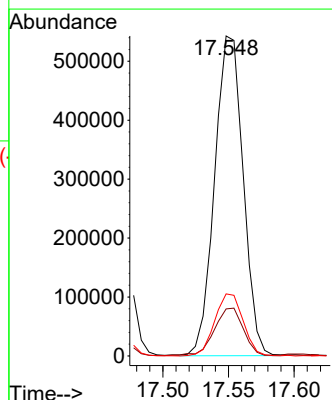
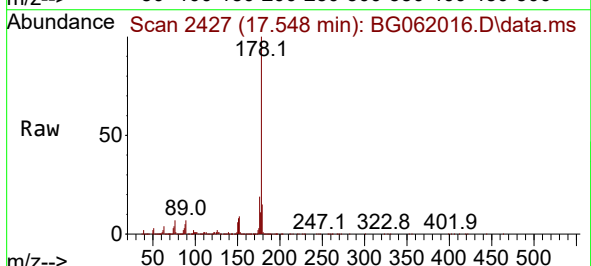
Tgt Ion:178 Resp: 820420

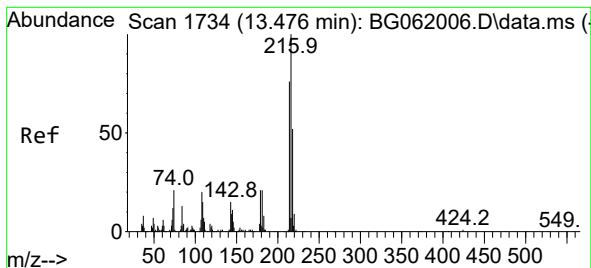
Ion Ratio Lower Upper

178 100

179 14.7 11.9 17.9

176 19.4 14.7 22.1

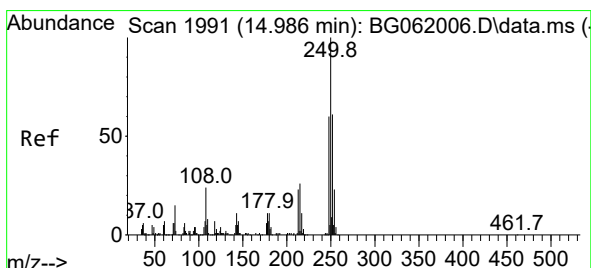
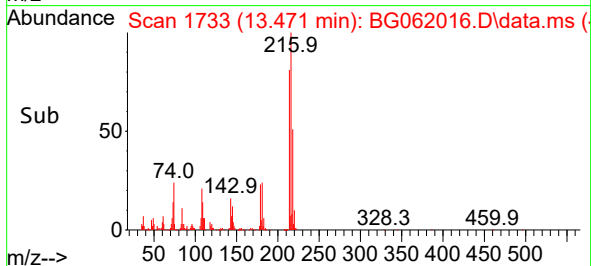
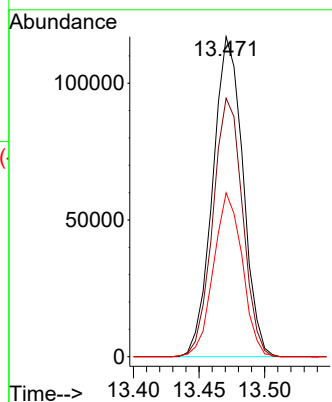
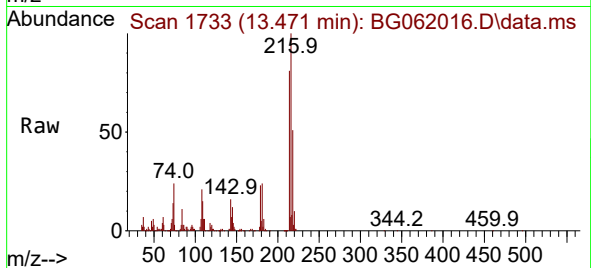




#75
1,2,3,4-Tetrachlorobenzene
Concen: 40.948 ng/ul
RT: 13.471 min Scan# 1733
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

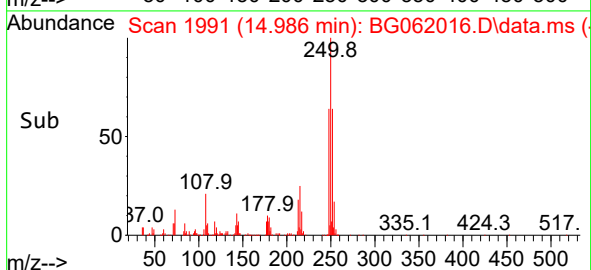
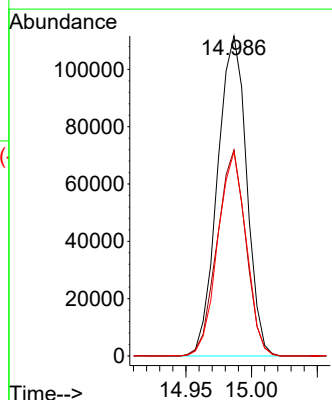
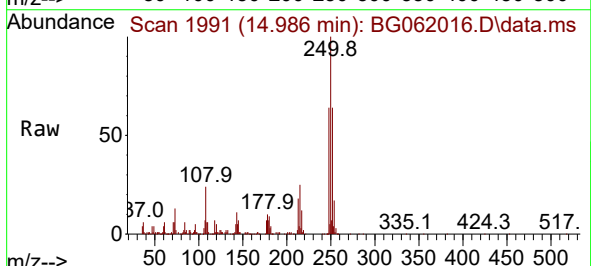
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

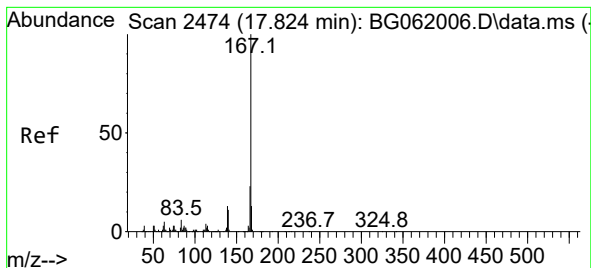
Tgt Ion:216 Resp: 187189
Ion Ratio Lower Upper
216 100
214 80.7 61.7 92.5
218 51.2 35.7 53.5



#76
Pentachlorobenzene
Concen: 33.052 ng/ul
RT: 14.986 min Scan# 1991
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:250 Resp: 172331
Ion Ratio Lower Upper
250 100
248 64.4 47.5 71.3
252 63.8 50.0 75.0





#77

Carbazole

Concen: 32.201 ng/ul

RT: 17.818 min Scan# 2473

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

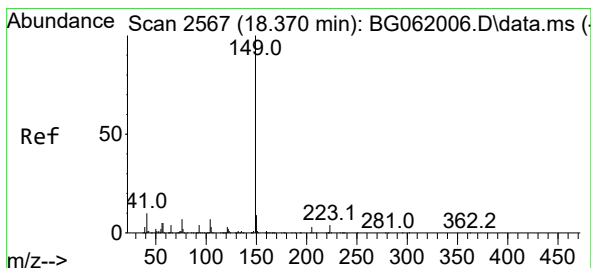
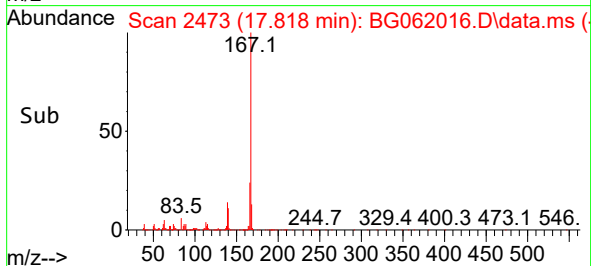
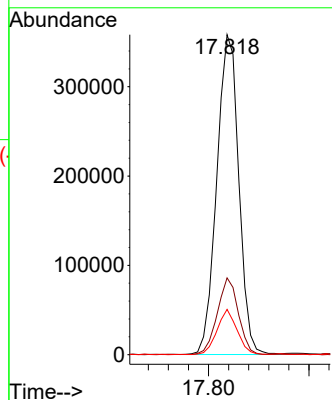
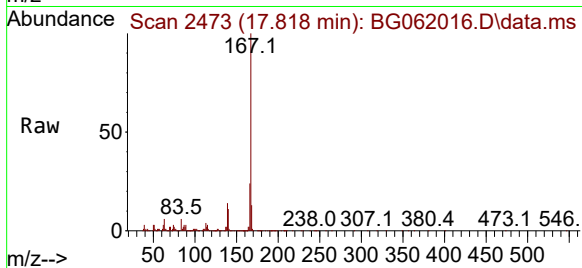
Tgt Ion:167 Resp: 543531

Ion Ratio Lower Upper

167 100

166 24.0 18.2 27.2

139 14.1 9.6 14.4



#78

Di-n-butylphthalate

Concen: 43.581 ng/ul

RT: 18.371 min Scan# 2567

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

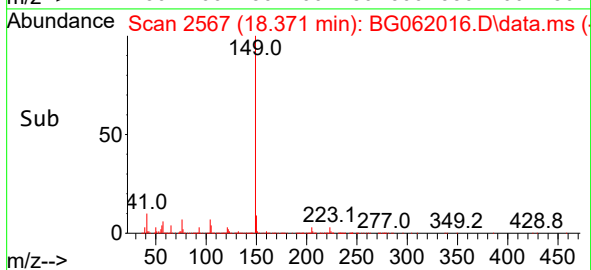
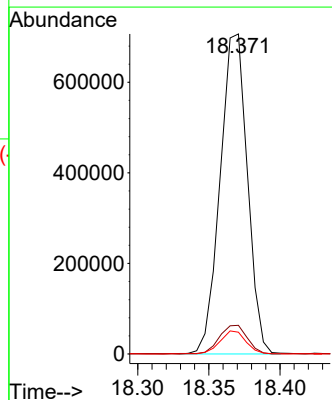
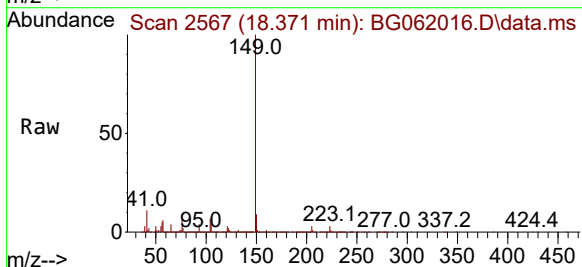
Tgt Ion:149 Resp: 944450

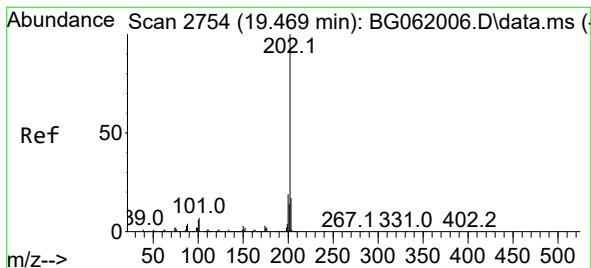
Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

104 6.8 5.0 7.4





#80

Fluoranthene

Concen: 55.219 ng/ul

RT: 19.464 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

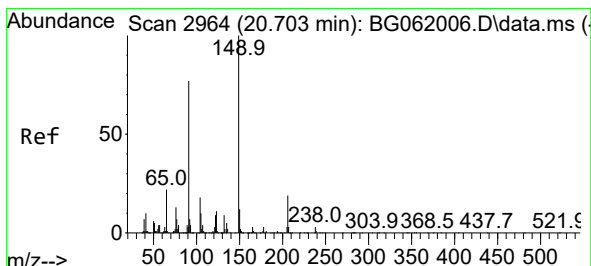
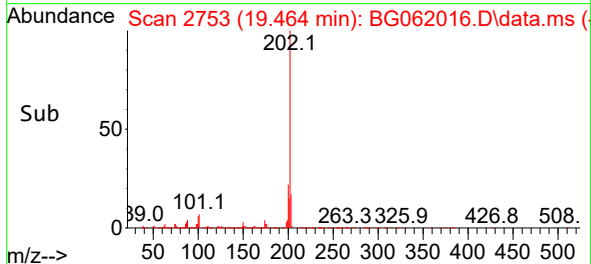
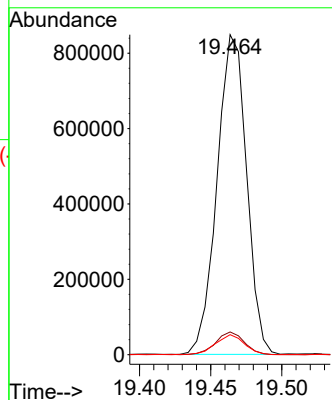
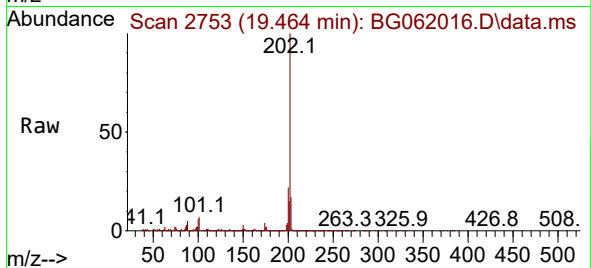
Tgt Ion:202 Resp: 1227028

Ion Ratio Lower Upper

202 100

101 7.1 7.4 11.2#

100 6.3 6.6 10.0#



#83

Butylbenzylphthalate

Concen: 41.962 ng/ul

RT: 20.703 min Scan# 2964

Delta R.T. 0.001 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

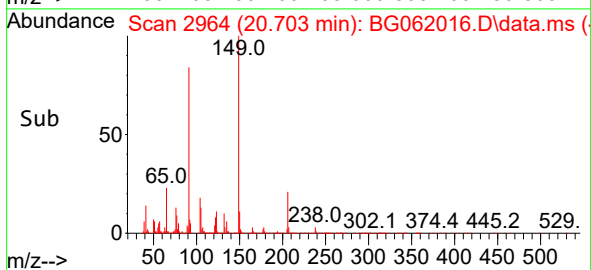
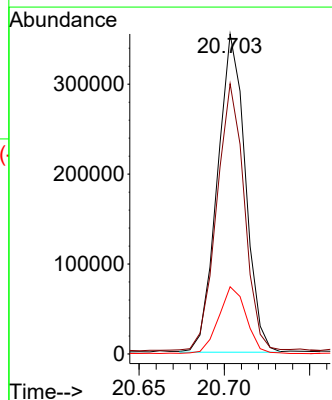
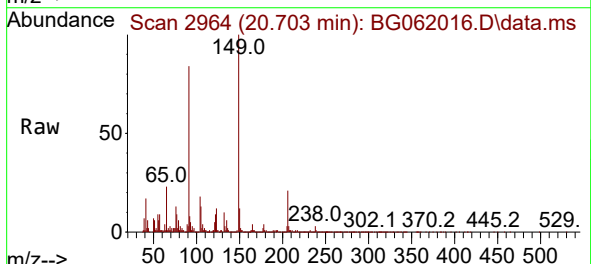
Tgt Ion:149 Resp: 404235

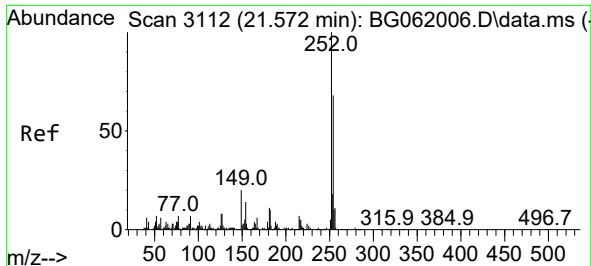
Ion Ratio Lower Upper

149 100

91 84.4 60.6 91.0

206 21.0 14.6 21.8

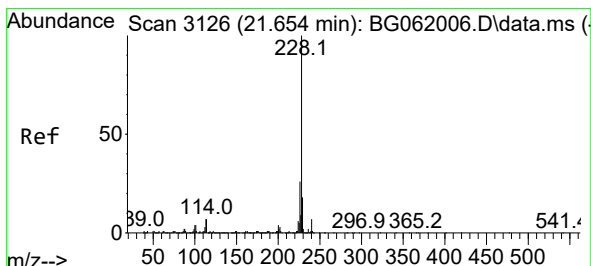
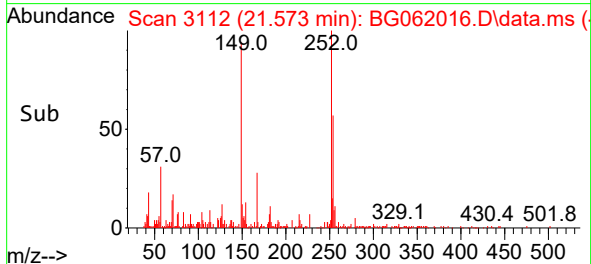
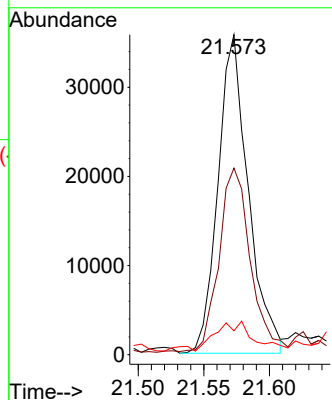
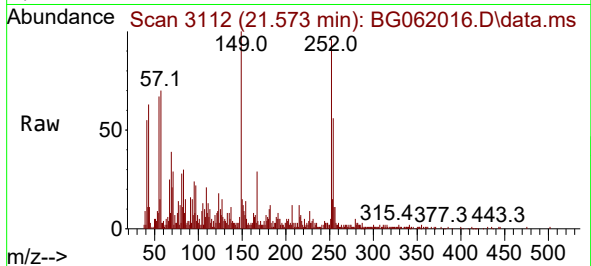




#84
3,3'-Dichlorobenzidine
Concen: 7.520 ng/ul
RT: 21.573 min Scan# 3112
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

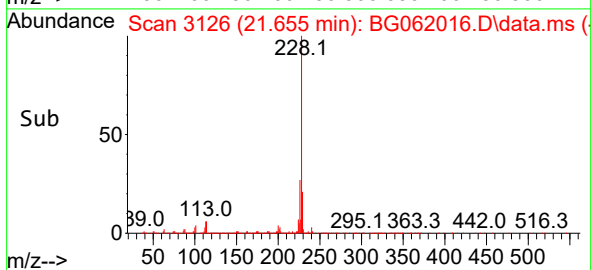
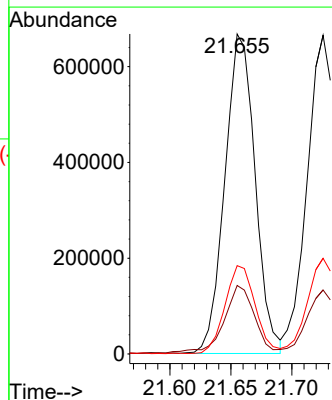
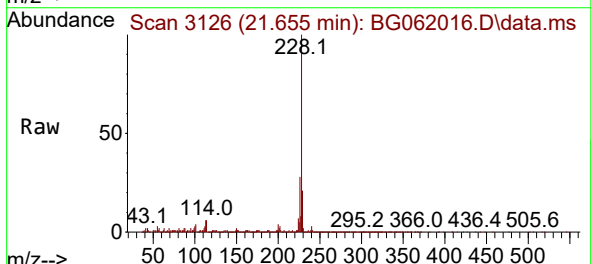
Instrument :
BNA_G
ClientSampleId :
A4CZ2MS

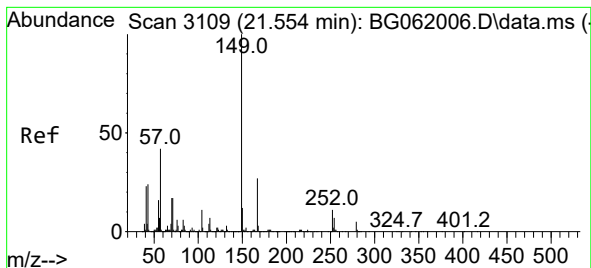
Tgt Ion:252 Resp: 57112
Ion Ratio Lower Upper
252 100
254 58.3 52.8 79.2
126 7.5 6.6 10.0



#85
Benzo(a)anthracene
Concen: 49.992 ng/ul
RT: 21.655 min Scan# 3126
Delta R.T. 0.001 min
Lab File: BG062016.D
Acq: 11 Jul 2024 19:06

Tgt Ion:228 Resp: 1155477
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 27.6 21.7 32.5

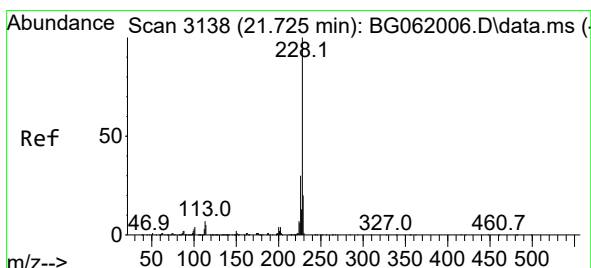
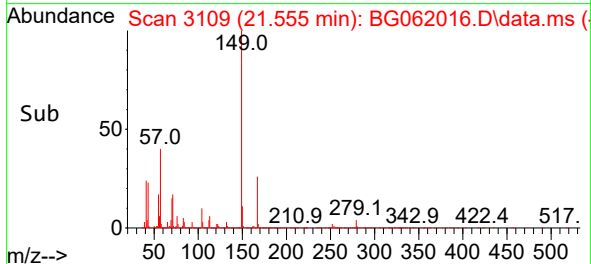
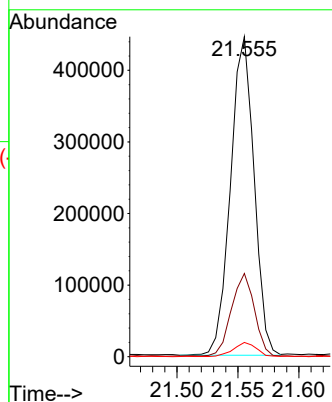
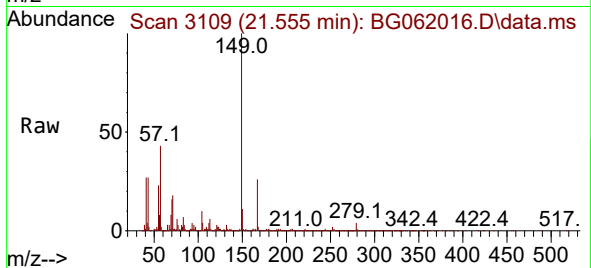




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 43.274 ng/ul
 RT: 21.555 min Scan# 3109
 Delta R.T. 0.001 min
 Lab File: BG062016.D
 Acq: 11 Jul 2024 19:06

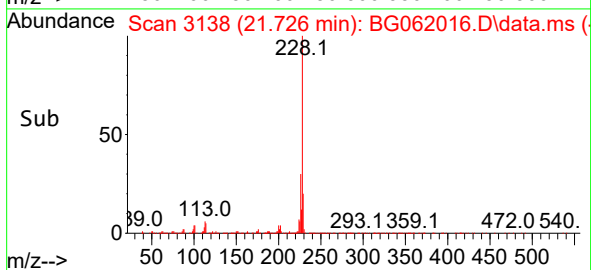
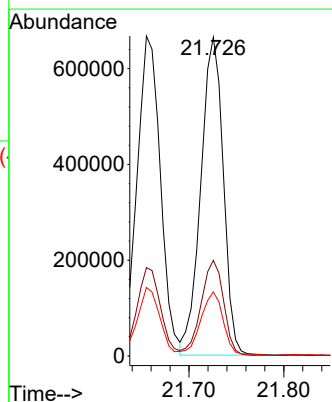
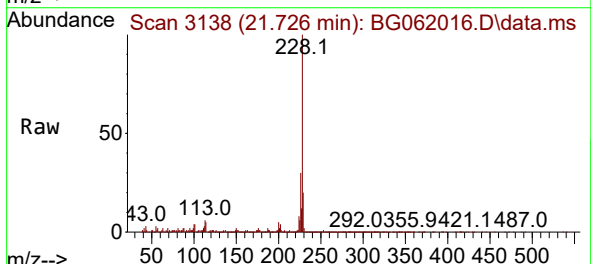
Instrument :
 BNA_G
 ClientSampleId :
 A4CZ2MS

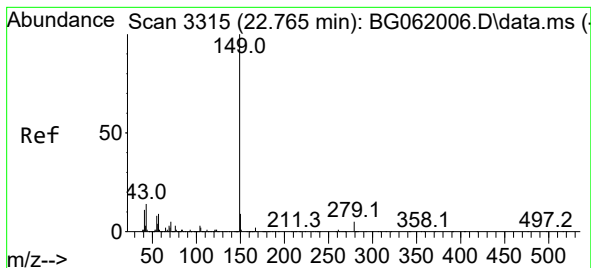
Tgt Ion:149 Resp: 598202
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.7 32.5
 279 4.5 2.8 4.2#



#87
 Chrysene
 Concen: 50.500 ng/ul
 RT: 21.726 min Scan# 3138
 Delta R.T. 0.001 min
 Lab File: BG062016.D
 Acq: 11 Jul 2024 19:06

Tgt Ion:228 Resp: 1092695
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.3 34.9
 229 20.1 15.5 23.3





#89

Di-n-octyl phthalate

Concen: 44.747 ng/ul

RT: 22.766 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

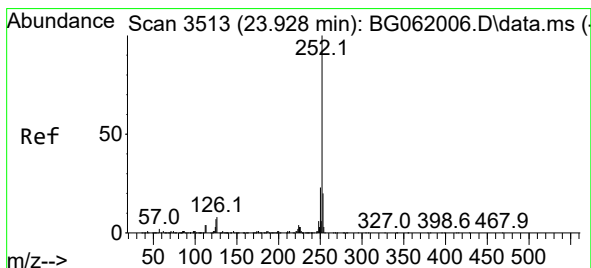
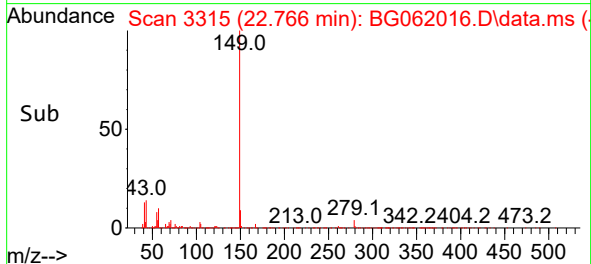
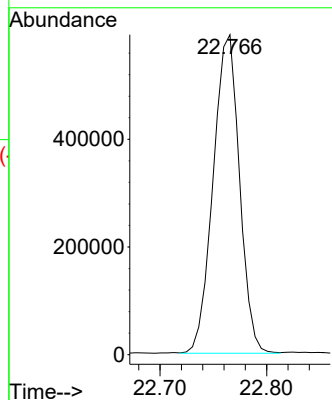
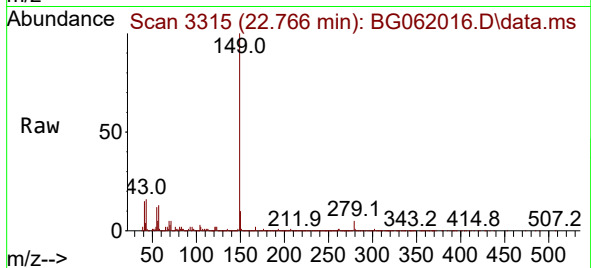
Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

Tgt Ion:149 Resp: 1015332



#90

Benzo(b)fluoranthene

Concen: 53.498 ng/ul

RT: 23.870 min Scan# 3503

Delta R.T. 0.013 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

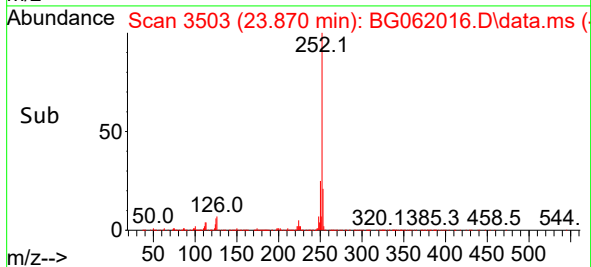
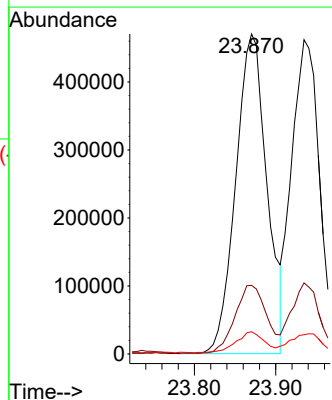
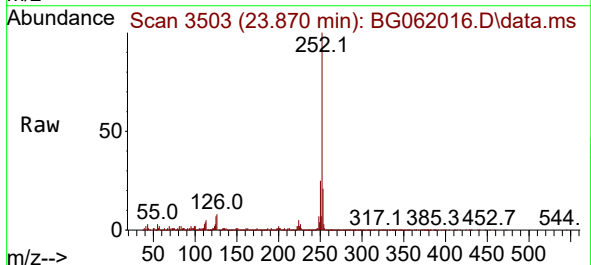
Tgt Ion:252 Resp: 1251846

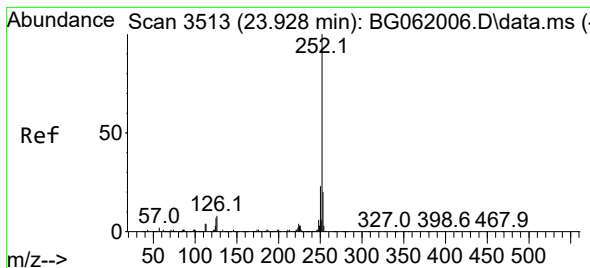
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 6.9 6.1 9.1





#91

Benzo(k)fluoranthene

Concen: 53.649 ng/ul

RT: 23.870 min Scan# 3513

Delta R.T. -0.052 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

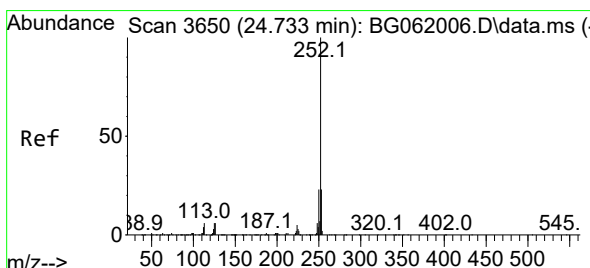
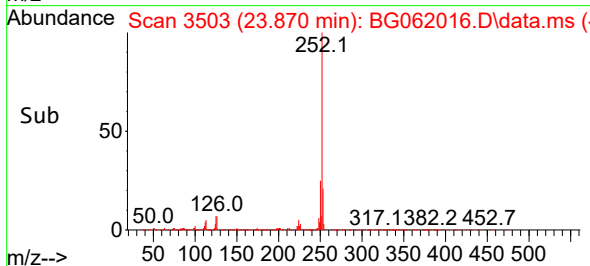
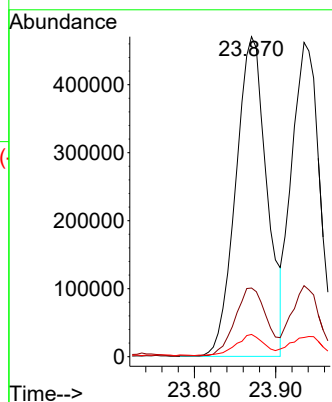
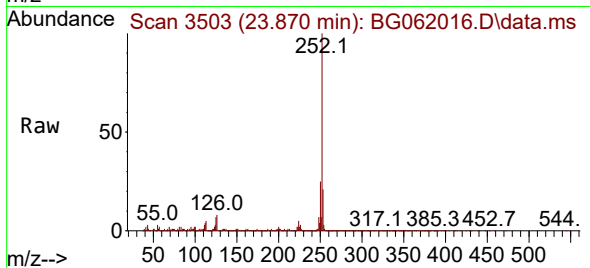
Tgt Ion:252 Resp: 1251846

Ion Ratio Lower Upper

252 100

253 21.5 19.3 28.9

125 6.9 6.3 9.5



#93

Benzo(a)pyrene

Concen: 15.291 ng/ul

RT: 24.734 min Scan# 3650

Delta R.T. 0.007 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

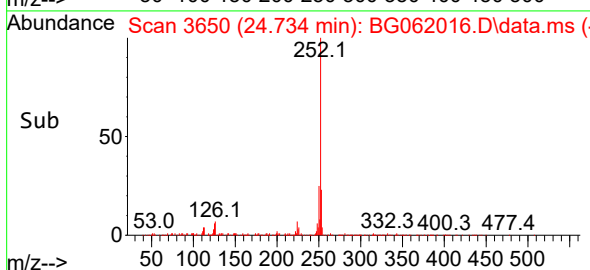
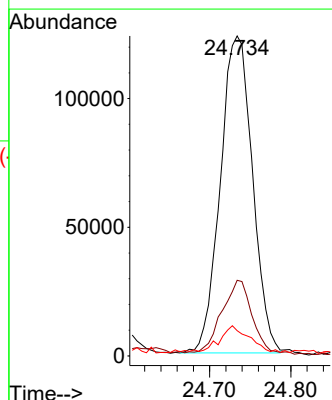
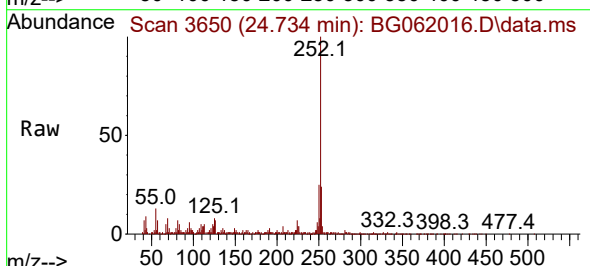
Tgt Ion:252 Resp: 338814

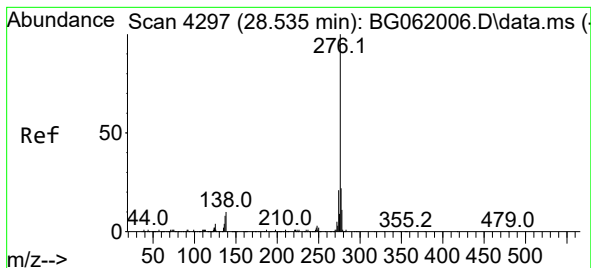
Ion Ratio Lower Upper

252 100

253 23.6 16.5 24.7

125 7.9 7.4 11.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 19.732 ng/ul

RT: 28.547 min Scan# 4309

Delta R.T. 0.013 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

Instrument :

BNA_G

ClientSampleId :

A4CZ2MS

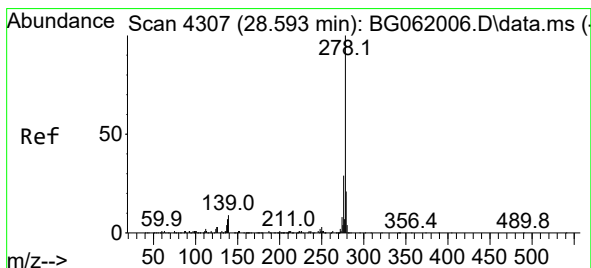
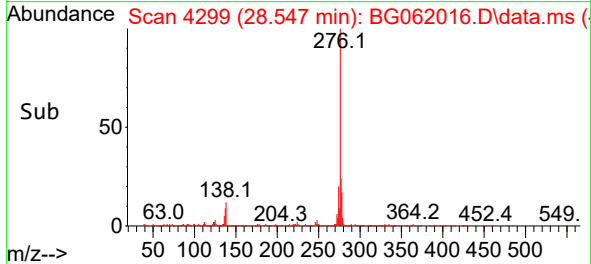
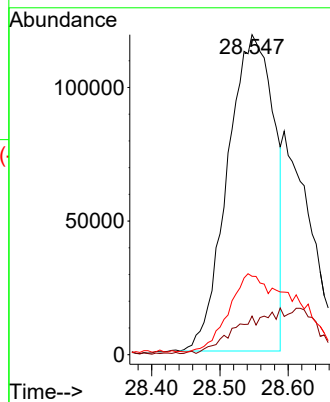
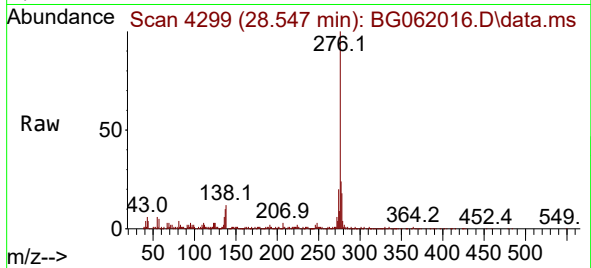
Tgt Ion:276 Resp: 558741

Ion Ratio Lower Upper

276 100

138 12.1 11.9 17.9

277 24.5 19.3 28.9



#95

Dibenzo(a,h)anthracene

Concen: 46.467 ng/ul

RT: 28.606 min Scan# 4309

Delta R.T. 0.013 min

Lab File: BG062016.D

Acq: 11 Jul 2024 19:06

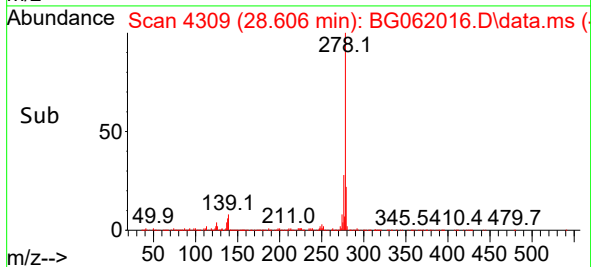
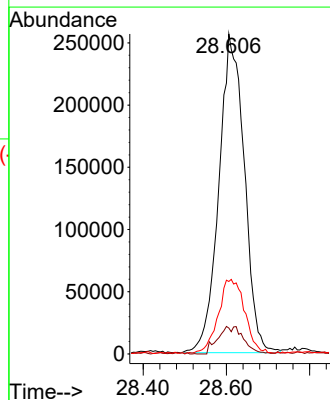
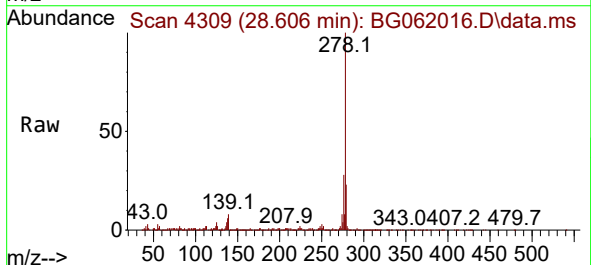
Tgt Ion:278 Resp: 1086697

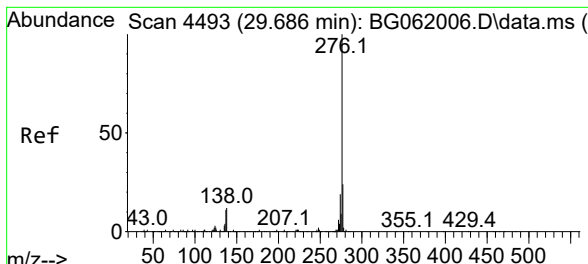
Ion Ratio Lower Upper

278 100

139 8.1 7.6 11.4

279 22.6 18.8 28.2





#96
 Benzo(g,h,i)perylene
 Concen: 3.284 ng/ul
 RT: 29.675 min Scan# 44
 Delta R.T. 0.007 min
 Lab File: BG062016.D
 Acq: 11 Jul 2024 19:06

Instrument :
 BNA_G
 ClientSampleId :
 A4CZ2MS

Tgt Ion:	276	Resp:	73975
Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.1	16.7
277	20.5	18.8	28.2

