

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059137.D
 Acq On : 21 Sep 2023 10:27
 Operator : MA/JU
 Sample : PB155513BS
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 22 01:01:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	42709	20.000	ng/u1	0.00
20) Naphthalene-d8	11.143	136	198649	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.926	164	131825	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.676	188	292288	20.000	ng/u1	0.00
79) Chrysene-d12	22.000	240	242851	20.000	ng/u1	0.00
88) Perylene-d12	25.555	264	284473	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.604	96	7005	6.420	ng/uL	0.00
4) Pyridine-d5	4.039	84	114203	35.677	ng/u1	0.00
7) Phenol-d5	7.412	99	169891	40.455	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.617	67	98874	38.366	ng/u1	0.00
11) 2-Chlorophenol-d4	7.811	132	122143	39.413	ng/u1	0.00
15) 4-Methylphenol-d8	8.986	113	129753	38.795	ng/u1	0.00
21) Nitrobenzene-d5	9.497	128	65815	42.936	ng/u1	0.00
24) 2-Nitrophenol-d4	10.214	143	70402	45.465	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.743	165	132348	45.019	ng/u1	0.00
31) 4-Chloroaniline-d4	11.284	131	182807	39.841	ng/u1	0.00
46) Dimethylphthalate-d6	14.327	166	418166	41.246	ng/u1	0.00
49) Acenaphthylene-d8	14.633	160	493911	40.010	ng/u1	0.00
54) 4-Nitrophenol-d4	15.109	143	81515	44.069	ng/u1	0.01
60) Fluorene-d10	15.919	176	382577	41.225	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.031	200	80448	48.412	ng/u1	0.01
73) Anthracene-d10	17.782	188	561569	42.225	ng/u1	0.00
81) Pyrene-d10	20.050	212	610347	42.999	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.302	264	608869	43.833	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.646	88	15681	12.710	ng/uL#	73
5) Pyridine	4.057	79	111366	34.142	ng/u1	97
6) Benzaldehyde	7.441	77	79144	36.346	ng/u1	96
8) Phenol	7.441	94	181021	41.938	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.711	93	139093	40.136	ng/u1	97
12) 2-Chlorophenol	7.846	128	130910	41.402	ng/u1	94
13) 2-Methylphenol	8.716	108	132733	41.436	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.816	45	290723	40.405	ng/u1	98
16) Acetophenone	9.145	105	211076	40.993	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.110	70	106921	41.076	ng/u1	97
18) 4-Methylphenol	9.057	108	146399	42.646	ng/u1	96
19) Hexachloroethane	9.380	117	52073	41.888	ng/u1	94
22) Nitrobenzene	9.544	77	154669	44.558	ng/u1	90
23) Isophorone	10.050	82	330707	44.429	ng/u1	98
25) 2-Nitrophenol	10.250	139	78310	45.253	ng/u1	95
26) 2,4-Dimethylphenol	10.273	107	118150	36.518	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.532	93	206366	44.563	ng/u1	98
29) 2,4-Dichlorophenol	10.767	162	136638	45.979	ng/u1	95
30) Naphthalene	11.195	128	470873	44.297	ng/u1	99
32) 4-Chloroaniline	11.313	127	149863	33.180	ng/u1	97
33) Hexachlorobutadiene	11.425	225	83332	43.566	ng/u1#	87
34) Caprolactam	12.106	113	33951	31.196	ng/u1#	61
35) 4-Chloro-3-methylphenol	12.382	107	150598	48.111	ng/u1	94
36) 2-Methylnaphthalene	12.776	142	312027	43.951	ng/u1	98

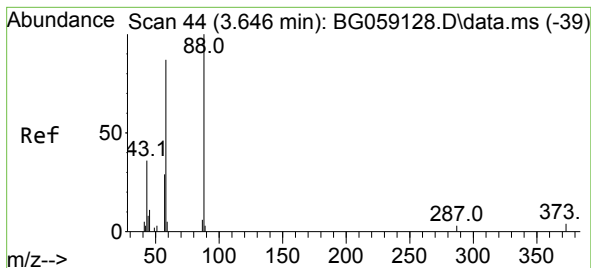
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.993	142	308257	42.983	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.117	216	165230	42.754	ng/ul	99
40) Hexachlorocyclopentadiene	13.070	237	82774	33.595	ng/ul	95
41) 2,4,6-Trichlorophenol	13.358	196	101333	40.153	ng/ul	91
42) 2,4,5-Trichlorophenol	13.428	196	117843	43.169	ng/ul	97
43) 1,1'-Biphenyl	13.769	154	464326	44.128	ng/ul	95
44) 2-Chloronaphthalene	13.822	162	345282	42.977	ng/ul	97
45) 2-Nitroaniline	14.039	65	121058	47.535	ng/ul	96
47) Dimethylphthalate	14.374	163	452039	43.654	ng/ul	98
48) 2,6-Dinitrotoluene	14.521	165	93455	48.839	ng/ul	95
50) Acenaphthylene	14.662	152	538384	40.832	ng/ul	98
51) 3-Nitroaniline	14.856	138	100455	47.578	ng/ul	96
52) Acenaphthene	14.991	153	384176	42.965	ng/ul	98
53) 2,4-Dinitrophenol	15.050	184	60772	52.708	ng/ul	90
55) 4-Nitrophenol	15.126	109	55886	45.716	ng/ul	91
56) Dibenzofuran	15.326	168	525981	44.349	ng/ul	100
57) 2,4-Dinitrotoluene	15.291	165	132551	48.048	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.532	232	98933	39.153	ng/ul#	86
59) Diethylphthalate	15.720	149	445825	43.692	ng/ul	99
61) Fluorene	15.972	166	440765	43.524	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.955	204	224333	44.633	ng/ul	96
63) 4-Nitroaniline	16.025	138	100536	51.368	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	16.043	198	86879	48.507	ng/ul	99
67) N-Nitrosodiphenylamine	16.178	169	367250	47.193	ng/ul	96
68) 4-Bromophenyl-phenylether	16.854	248	136455	47.984	ng/ul	98
69) Hexachlorobenzene	16.942	284	149612	45.931	ng/ul	97
70) Atrazine	17.106	200	9291	3.001	ng/ul#	80
71) Pentachlorophenol	17.300	266	78746	37.218	ng/ul	94
72) Phenanthrene	17.723	178	751438	45.940	ng/ul	98
74) Anthracene	17.817	178	741801	44.384	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.728	216	17029	4.370	ng/uL	89
76) Pentachlorobenzene	15.220	250	171776	47.658	ng/uL	98
77) Carbazole	18.087	167	648051	46.639	ng/ul	99
78) Di-n-butylphthalate	18.593	149	785369	45.881	ng/ul	99
80) Fluoranthene	19.715	202	824227	46.597	ng/ul	99
82) Pyrene	20.079	202	844166	45.752	ng/ul	99
83) Butylbenzylphthalate	20.937	149	315962	47.409	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.889	252	273437	46.594	ng/ul	98
85) Benzo(a)anthracene	21.983	228	789574	44.782	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.812	149	478257	47.963	ng/ul	99
87) Chrysene	22.053	228	755640	45.955	ng/ul	99
89) Di-n-octyl phthalate	23.134	149	828991	47.665	ng/ul	100
90) Benzo(b)fluoranthene	24.398	252	838093	48.349	ng/ul	99
91) Benzo(k)fluoranthene	24.480	252	834813	46.449	ng/ul	97
93) Benzo(a)pyrene	25.391	252	743851	44.650	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.674	276	811381	42.824	ng/ul	95
95) Dibenzo(a,h)anthracene	29.756	278	750468	49.288	ng/ul	98
96) Benzo(g,h,i)perylene	30.978	276	735823	48.211	ng/ul	99

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



#2

1,4-Dioxane

Concen: 12.710 ng/uL

RT: 3.646 min Scan# 44

Delta R.T. -0.006 min

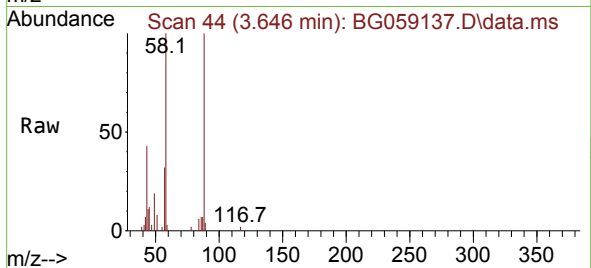
Lab File: BG059137.D

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BNA_G

ClientSampleId :



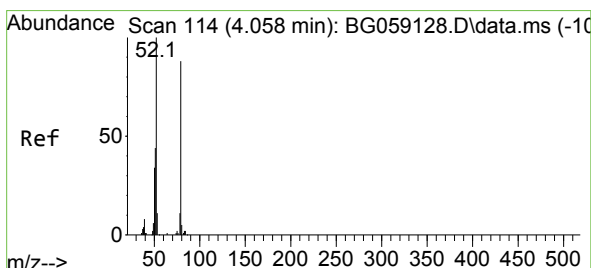
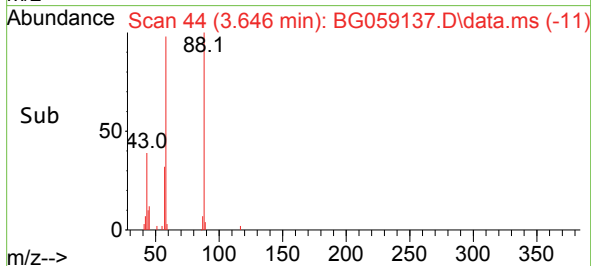
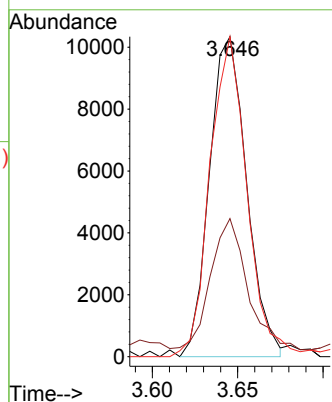
Tgt Ion: 88 Resp: 15681

Ion Ratio Lower Upper

88 100

43 43.2 24.5 36.7#

58 100.0 60.6 91.0#



#5

Pyridine

Concen: 34.142 ng/uL

RT: 4.057 min Scan# 114

Delta R.T. -0.007 min

Lab File: BG059137.D

Acq: 21 Sep 2023 10:27

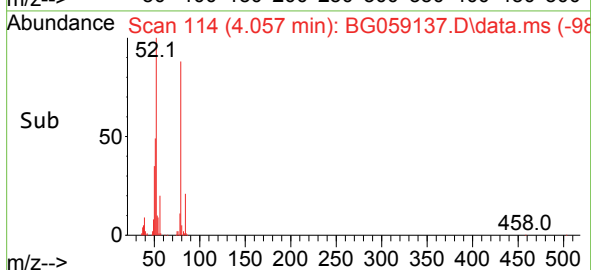
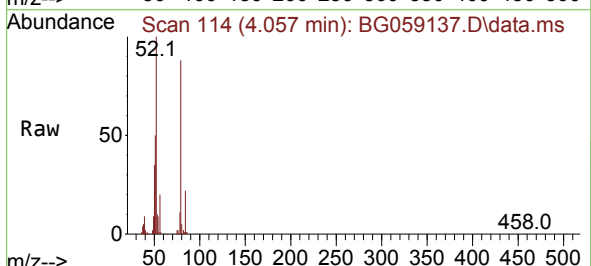
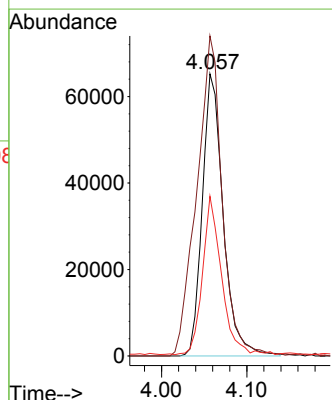
Tgt Ion: 79 Resp: 111366

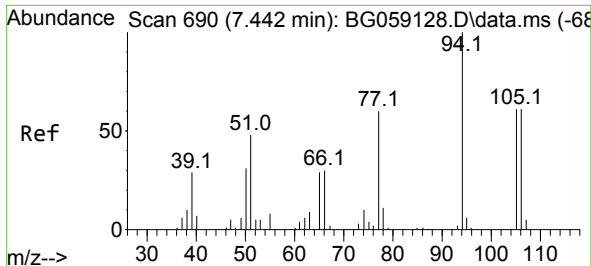
Ion Ratio Lower Upper

79 100

52 113.4 90.6 135.8

51 56.6 39.6 59.4

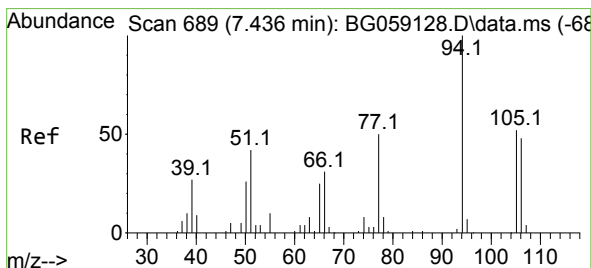
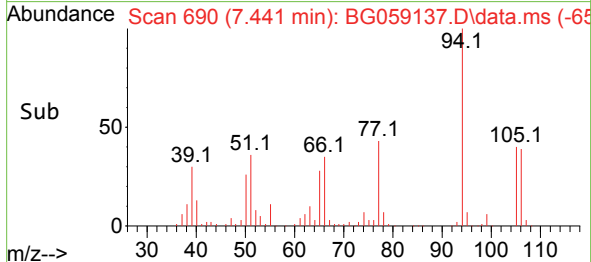
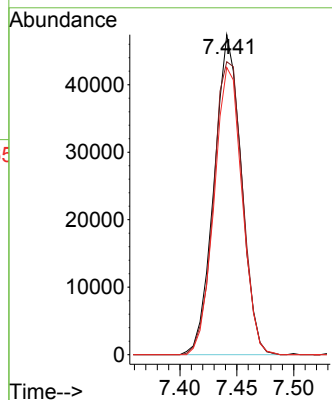
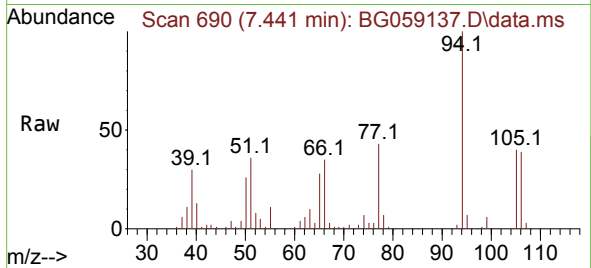




#6
Benzaldehyde
Concen: 36.346 ng/ul
RT: 7.441 min Scan# 690
Delta R.T. -0.001 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

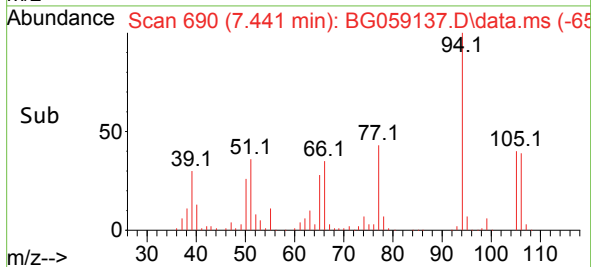
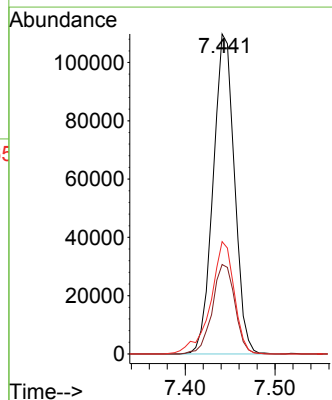
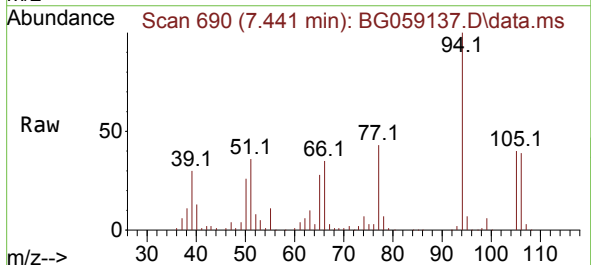
Instrument :
BNA_G
ClientSampleId :

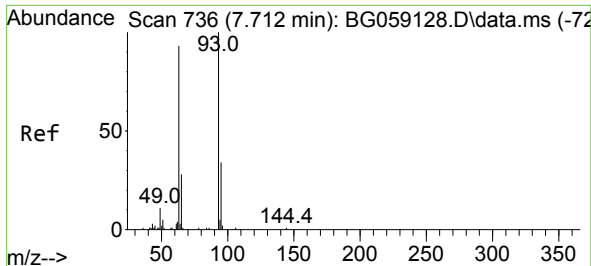
Tgt Ion: 77 Resp: 79144
Ion Ratio Lower Upper
77 100
105 91.5 76.9 115.3
106 89.7 69.4 104.0



#8
Phenol
Concen: 41.938 ng/ul
RT: 7.441 min Scan# 690
Delta R.T. 0.005 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

Tgt Ion: 94 Resp: 181021
Ion Ratio Lower Upper
94 100
65 27.9 24.4 36.6
66 35.1 28.4 42.6





#10

Bis(2-Chloroethyl)ether

Concen: 40.136 ng/ul

RT: 7.711 min Scan# 71

Delta R.T. -0.001 min

Lab File: BG059137.D

Acq: 21 Sep 2023 10:27

Instrument :

BNA_G

ClientSampleId :

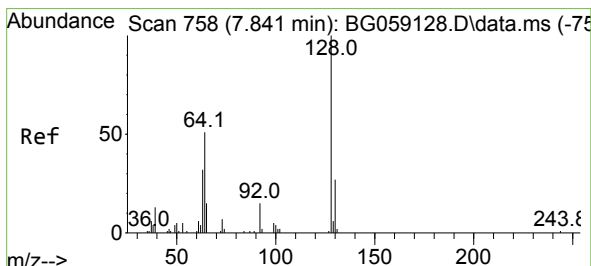
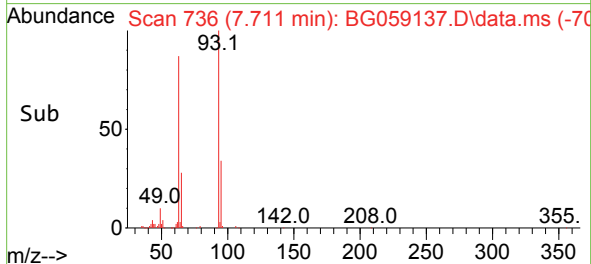
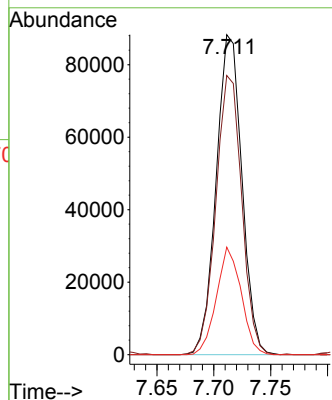
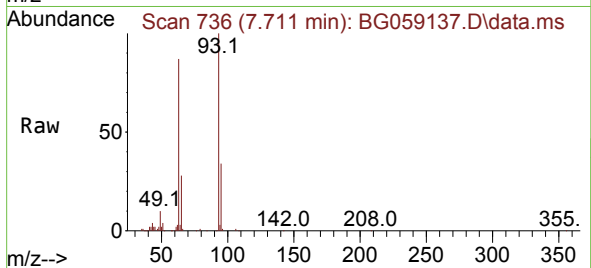
Tgt Ion: 93 Resp: 139093

Ion Ratio Lower Upper

93 100

63 87.3 68.3 102.5

95 33.6 23.8 35.8



#12

2-Chlorophenol

Concen: 41.402 ng/ul

RT: 7.846 min Scan# 759

Delta R.T. -0.001 min

Lab File: BG059137.D

Acq: 21 Sep 2023 10:27

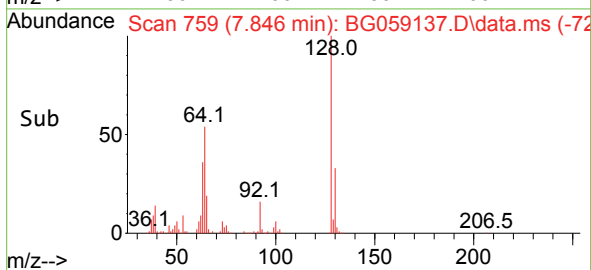
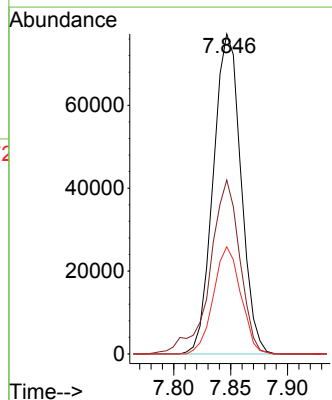
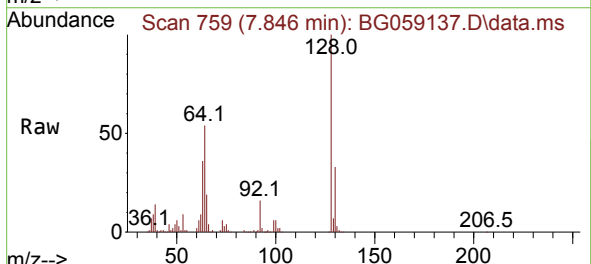
Tgt Ion:128 Resp: 130910

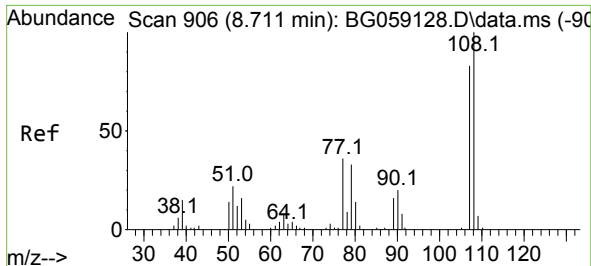
Ion Ratio Lower Upper

128 100

64 54.4 40.3 60.5

130 33.5 24.0 36.0





#13

2-Methylphenol

Concen: 41.436 ng/ul

RT: 8.716 min Scan# 906

Delta R.T. -0.001 min

Lab File: BG059137.D

Acq: 21 Sep 2023 10:27

Instrument :

BNA_G

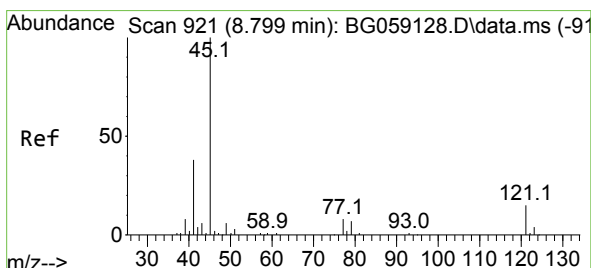
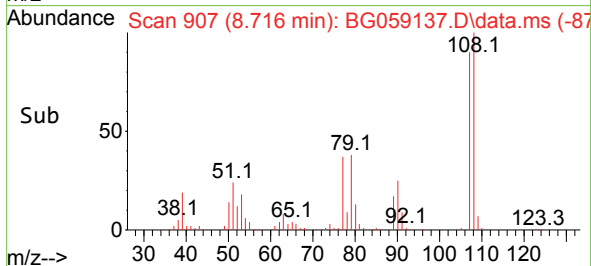
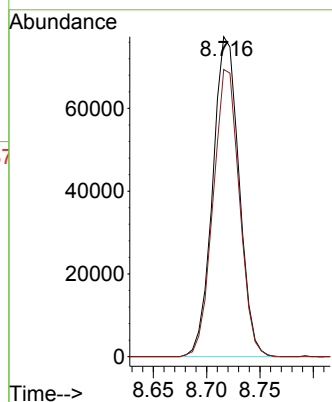
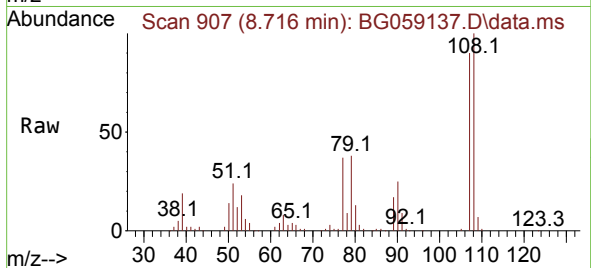
ClientSampleId :

Tgt Ion:108 Resp: 132733

Ion Ratio Lower Upper

108 100

107 89.7 75.1 112.7



#14

2,2'-oxybis(1-Chloropropane)

Concen: 40.405 ng/ul

RT: 8.816 min Scan# 924

Delta R.T. 0.011 min

Lab File: BG059137.D

Acq: 21 Sep 2023 10:27

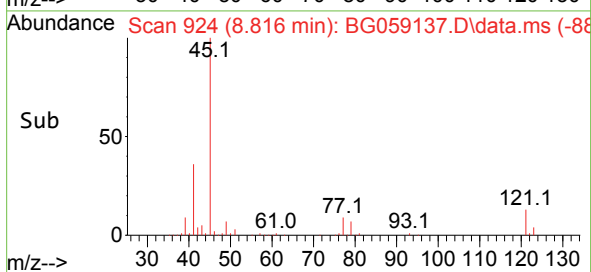
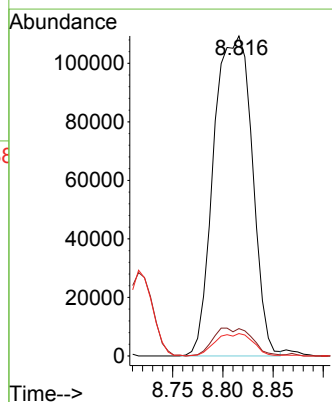
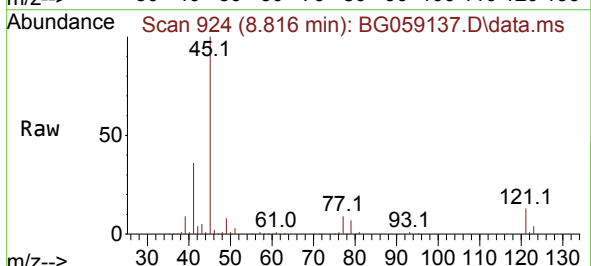
Tgt Ion: 45 Resp: 290723

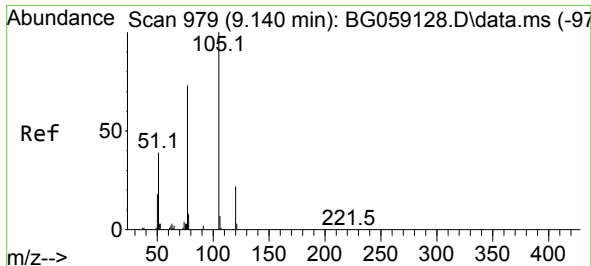
Ion Ratio Lower Upper

45 100

77 8.6 7.8 11.6

79 7.0 5.6 8.4

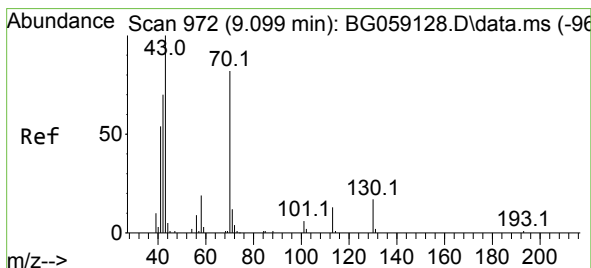
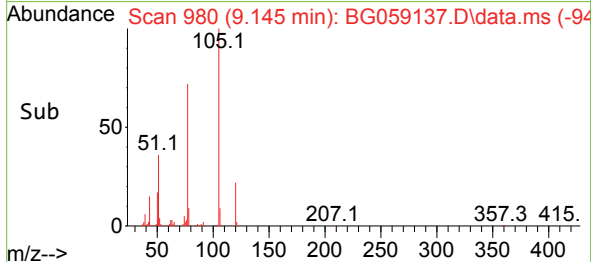
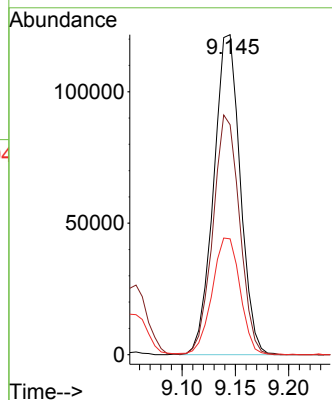
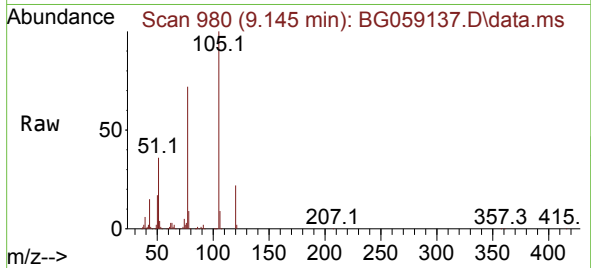




#16
Acetophenone
Concen: 40.993 ng/ul
RT: 9.145 min Scan# 911
Delta R.T. 0.005 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

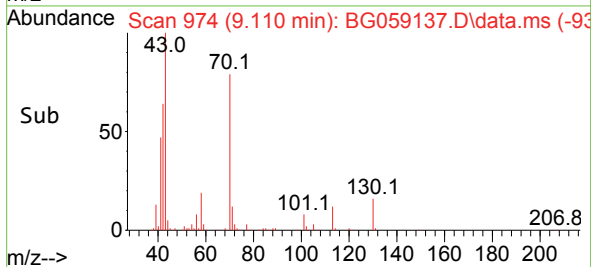
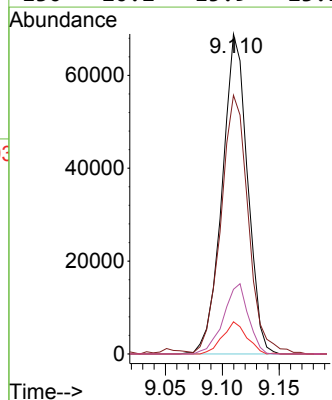
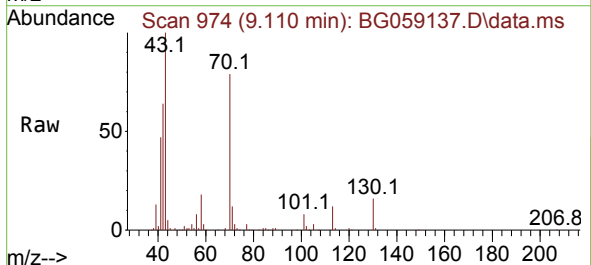
Instrument :
BNA_G
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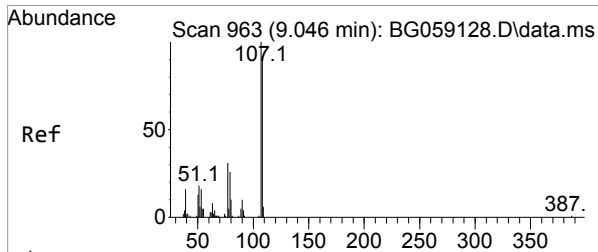
Tgt Ion:105 Resp: 211076
Ion Ratio Lower Upper
105 100
77 71.9 57.2 85.8
51 36.2 31.6 47.4



#17
N-Nitroso-di-n-propylamine
Concen: 41.076 ng/ul
RT: 9.110 min Scan# 974
Delta R.T. 0.011 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

Tgt Ion: 70 Resp: 106921
Ion Ratio Lower Upper
70 100
42 80.9 67.1 100.7
101 10.1 7.6 11.4
130 20.2 15.9 23.9

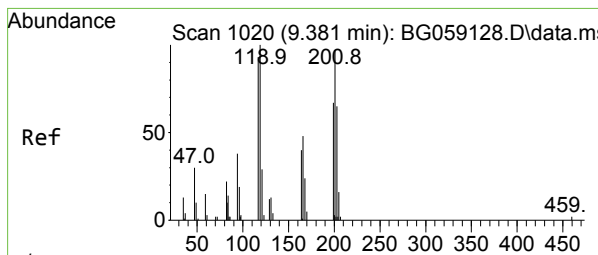
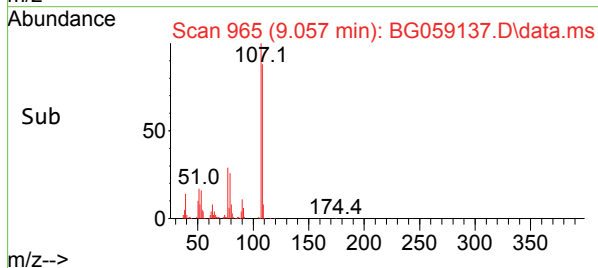
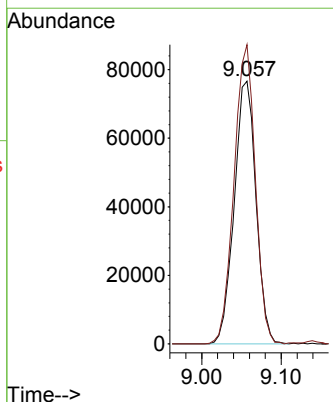
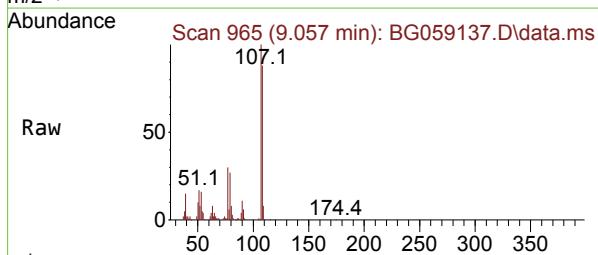




#18
4-Methylphenol
Concen: 42.646 ng/u1
RT: 9.057 min Scan# 9
Delta R.T. 0.011 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

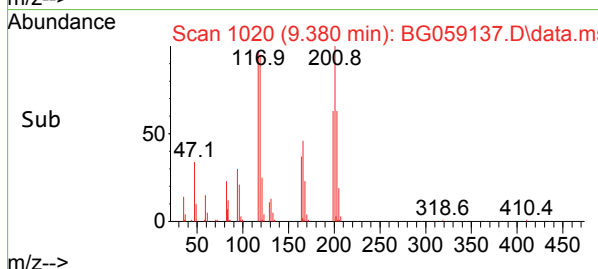
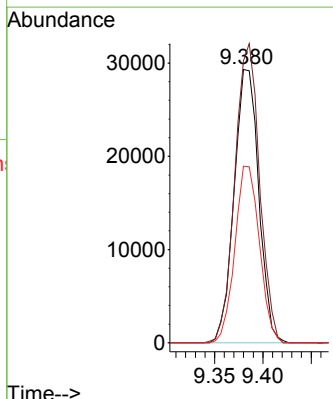
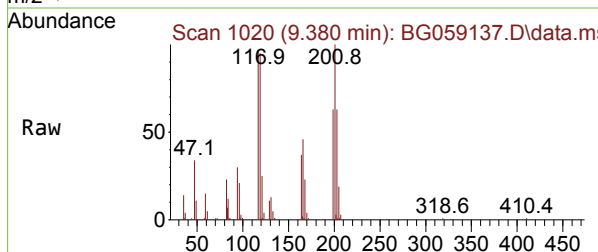
Instrument :
BNA_G
ClientSampleId :

Tgt Ion:108 Resp: 146399
Ion Ratio Lower Upper
108 100
107 113.9 94.4 141.6



#19
Hexachloroethane
Concen: 41.888 ng/u1
RT: 9.380 min Scan# 1020
Delta R.T. -0.001 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

Tgt Ion:117 Resp: 52073
Ion Ratio Lower Upper
117 100
201 103.1 86.4 129.6
199 64.6 56.2 84.2



Ref

#22
Nitrobenzene
Concen: 44.558 ng/ul
RT: 9.544 min Scan# 10
Delta R.T. 0.005 min
Lab File: BG059137.D
Acq: 21 Sep 2023 10:27

Instrument :
BNA_G
ClientSampleId :

Raw

Tgt Ion: 77	Resp: 154669		
Ion	Ratio	Lower	Upper
77	100		
123	44.3	41.8	62.8
65	13.8	12.3	18.5

Sub