

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
 Data File : BG060138.D
 Acq On : 22 Dec 2023 14:50
 Operator : MA/JU
 Sample : 05898-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-68a

Quant Time: Dec 22 15:29:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:42:04 2023
 Response via : Initial Calibration

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

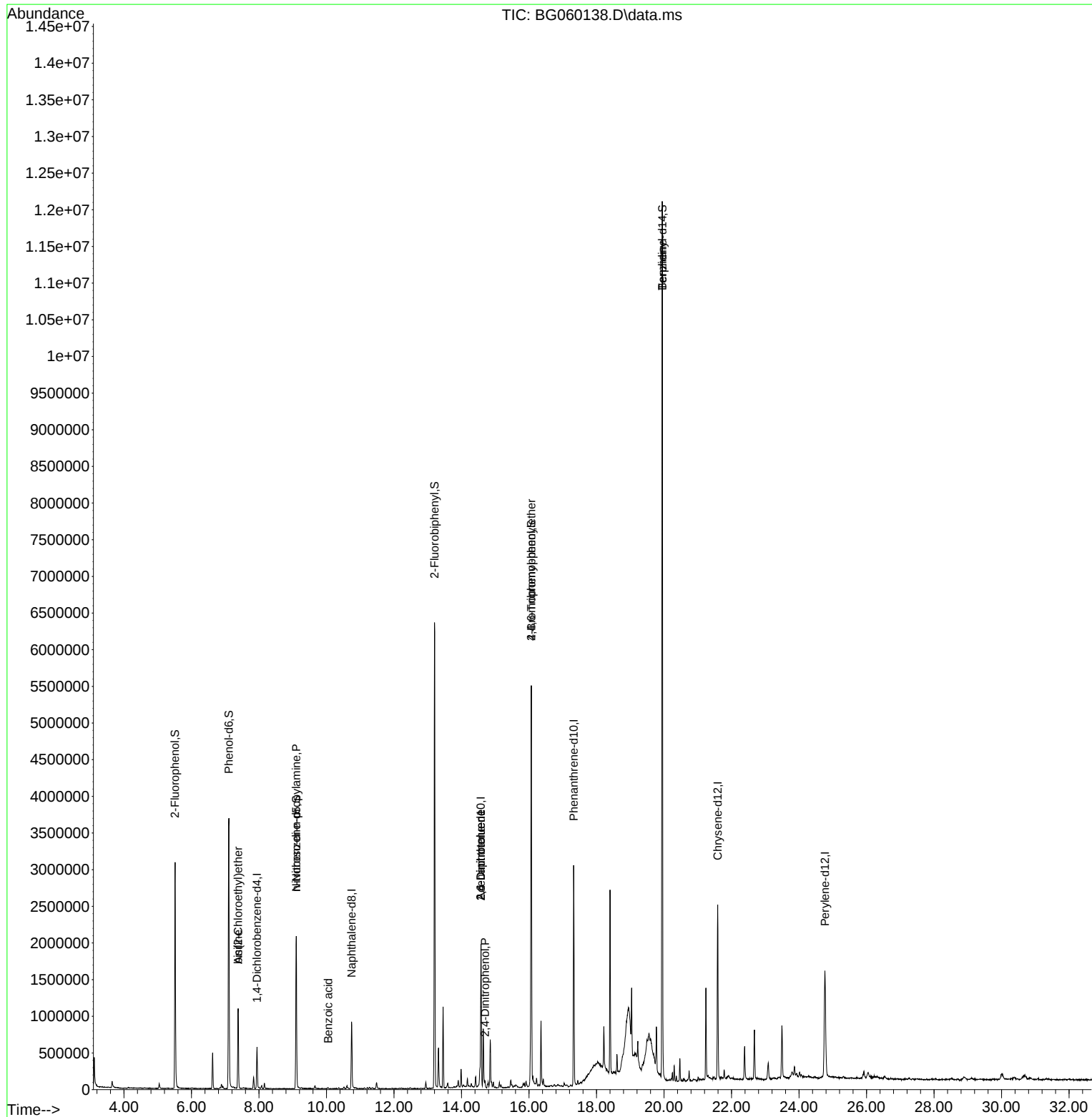
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	171837	20.000	ng	# 0.00
21) Naphthalene-d8	10.744	136	813239	20.000	ng	0.00
39) Acenaphthene-d10	14.575	164	694766	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	1886619	20.000	ng	0.00
76) Chrysene-d12	21.590	240	1415680	20.000	ng	0.00
86) Perylene-d12	24.769	264	1423600	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.515	112	1468515	134.660	ng	0.00
7) Phenol-d6	7.107	99	2376739	129.500	ng	0.00
23) Nitrobenzene-d5	9.105	82	1360343	81.944	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	1077131	115.146	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	3531469	76.323	ng	0.00
79) Terphenyl-d14	19.951	244	5410703	69.160	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.383	93	433488	22.619	ng	# 48
11) bis(2-Chloroethyl)ether	7.383	93	433488	30.110	ng	# 19
19) n-Nitroso-di-n-propyla...	9.105	70	165947	11.628	ng	# 80
32) Benzoic acid	10.051	122	96	5.097	ng	# 72
51) 2,6-Dinitrotoluene	14.575	165	91356	7.474	ng	# 25
54) 2,4-Dinitrophenol	14.698	184	54	6.625	ng	# 22
57) 2,4-Dinitrotoluene	14.575	165	91356	5.091	ng	# 24
67) 4-Bromophenyl-phenylether	16.067	248	63776	3.588	ng	# 1
77) Benzidine	19.951	184	114682	2.996	ng	# 94

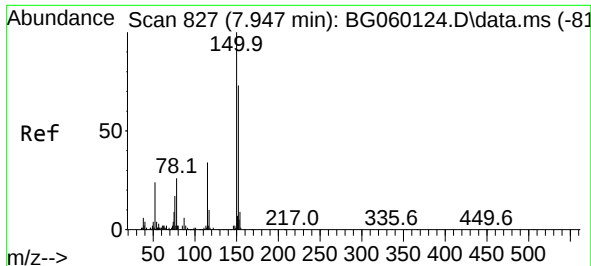
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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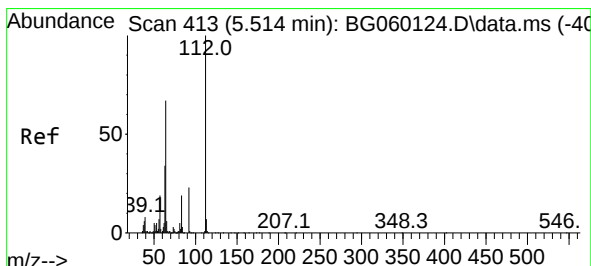
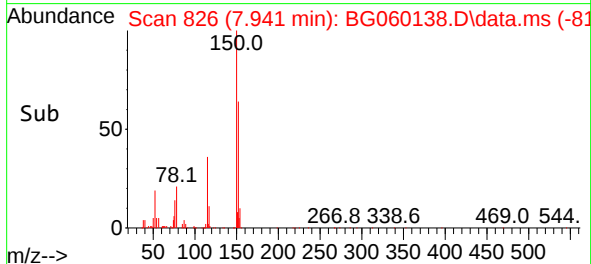
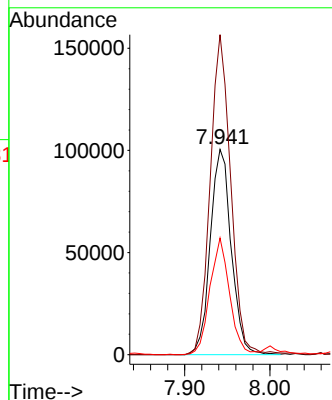
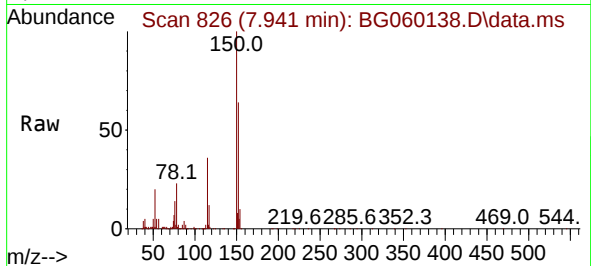




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

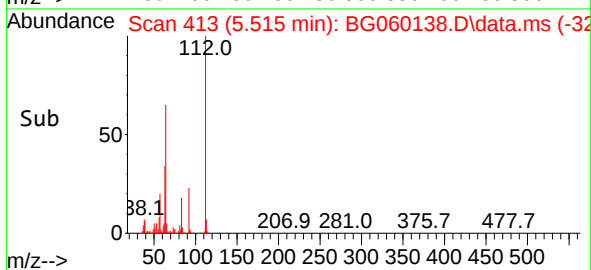
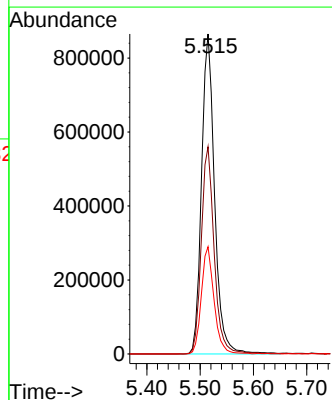
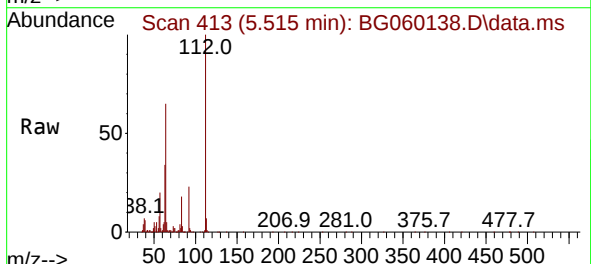
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BNA_G
ClientSampleId :
GHL-SS-68a

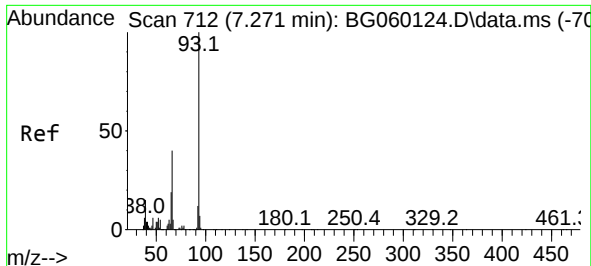
Tgt Ion:152 Resp: 171837
Ion Ratio Lower Upper
152 100
150 155.8 109.4 164.0
115 56.8 36.5 54.7#



#5
2-Fluorophenol
Concen: 134.660 ng
RT: 5.515 min Scan# 413
Delta R.T. 0.001 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion:112 Resp: 1468515
Ion Ratio Lower Upper
112 100
64 64.8 53.3 79.9
63 33.5 27.1 40.7

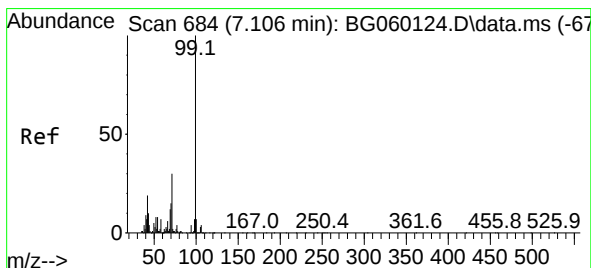
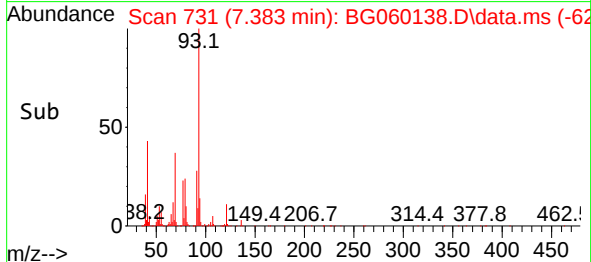
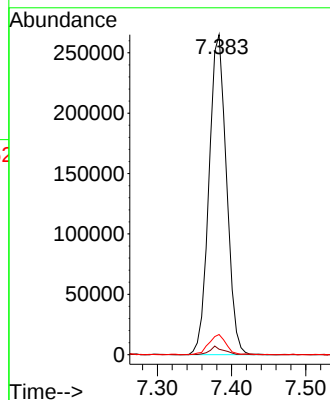
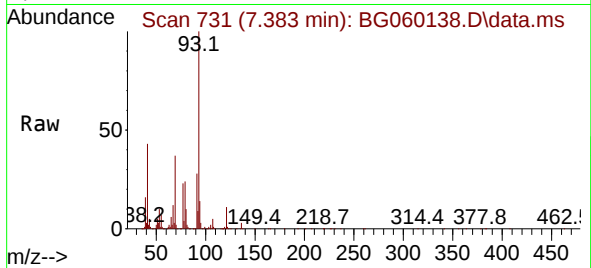




#6
Aniline
Concen: 22.619 ng
RT: 7.383 min Scan# 712
Delta R.T. 0.112 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

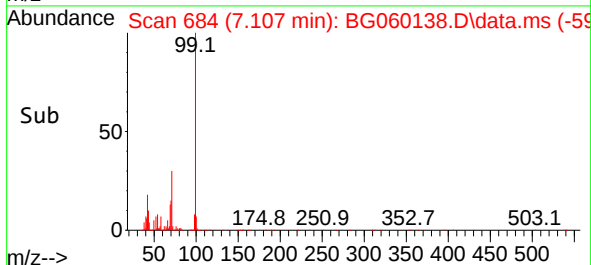
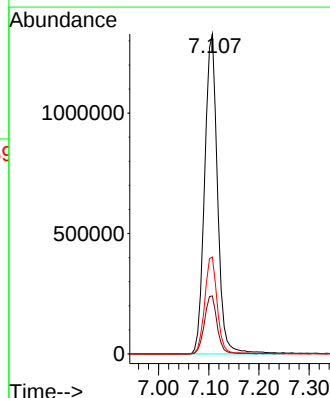
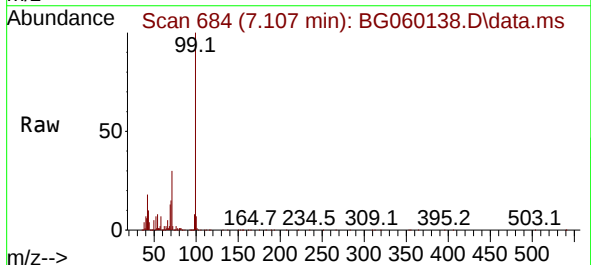
Instrument :
BNA_G
ClientSampleId :
GHL-SS-68a

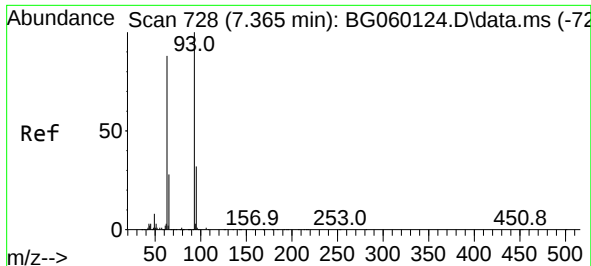
Tgt Ion: 93 Resp: 433488
Ion Ratio Lower Upper
93 100
66 1.7 32.3 48.5#
65 6.3 15.7 23.5#



#7
Phenol-d6
Concen: 129.500 ng
RT: 7.107 min Scan# 684
Delta R.T. 0.001 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion: 99 Resp: 2376739
Ion Ratio Lower Upper
99 100
42 18.1 15.2 22.8
71 30.3 24.2 36.2

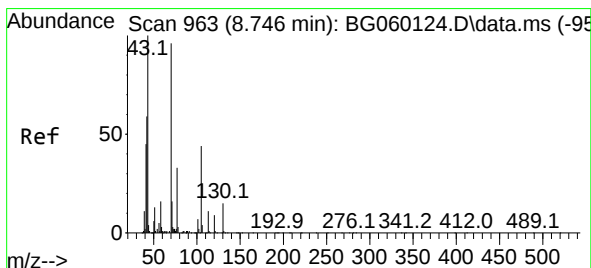
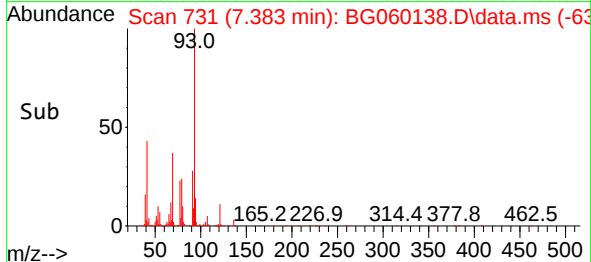
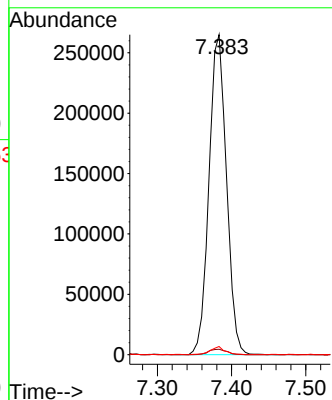
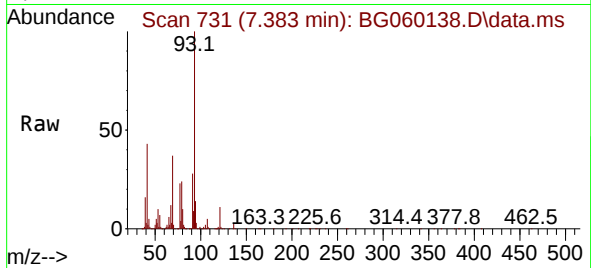




#11
bis(2-Chloroethyl)ether
Concen: 30.110 ng
RT: 7.383 min Scan# 71
Delta R.T. 0.018 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

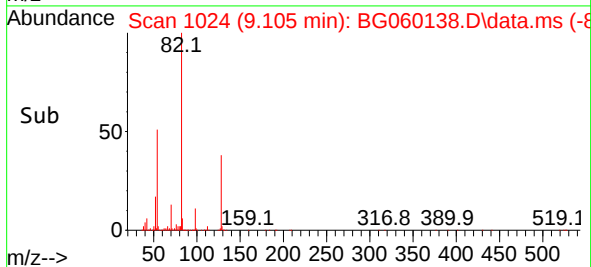
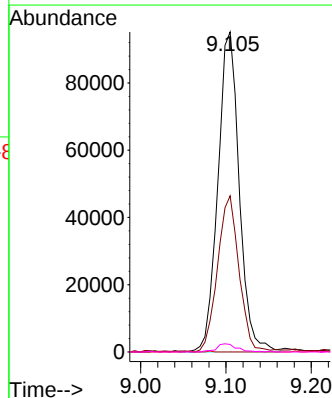
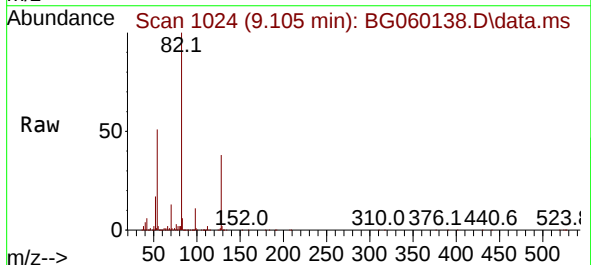
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ClientSampleId :
GHL-SS-68a

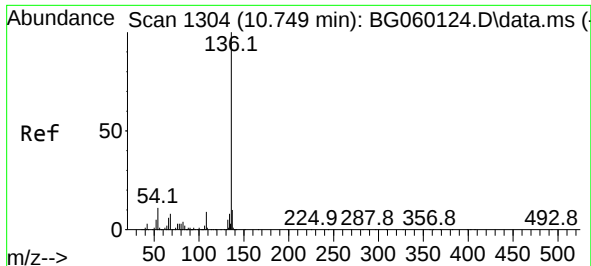
Tgt Ion: 93 Resp: 433488
Ion Ratio Lower Upper
93 100
63 1.7 66.4 106.4#
95 2.6 11.2 51.2#



#19
n-Nitroso-di-n-propylamine
Concen: 11.628 ng
RT: 9.105 min Scan# 1024
Delta R.T. 0.359 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion: 70 Resp: 165947
Ion Ratio Lower Upper
70 100
42 48.8 49.6 74.4#
101 0.0 6.2 9.4#
130 2.4 12.2 18.2#

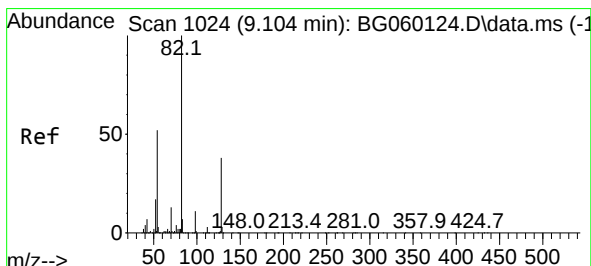
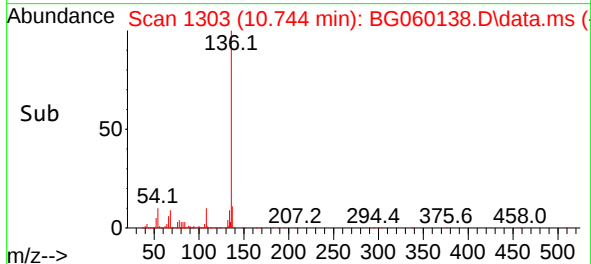
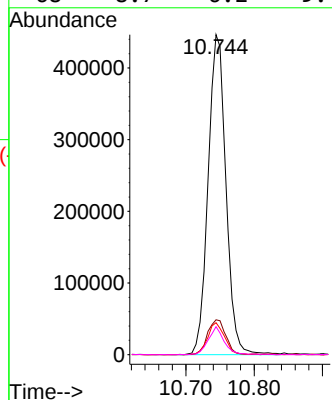
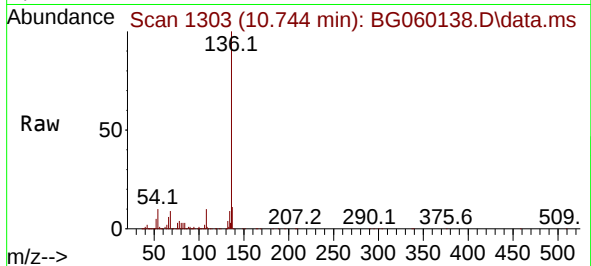




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

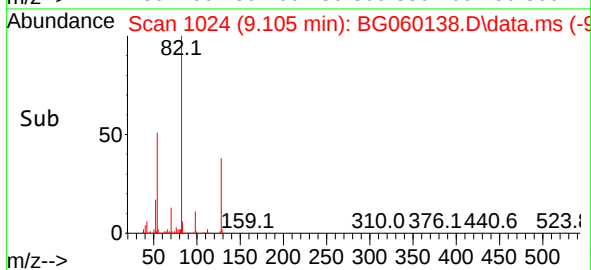
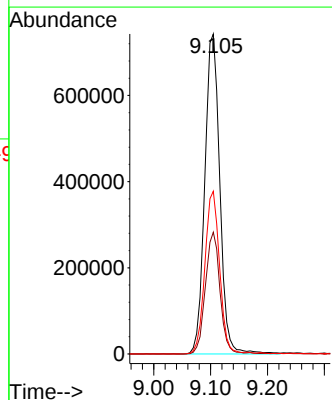
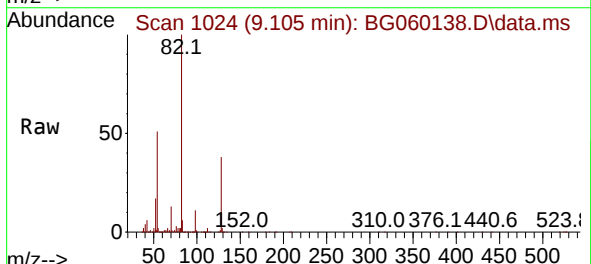
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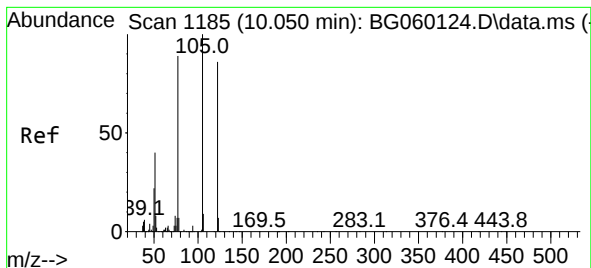
Tgt Ion:136 Resp: 813239
Ion Ratio Lower Upper
136 100
137 10.9 8.1 12.1
54 10.0 8.7 13.1
68 8.7 6.2 9.4



#23
Nitrobenzene-d5
Concen: 81.944 ng
RT: 9.105 min Scan# 1024
Delta R.T. 0.001 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion: 82 Resp: 1360343
Ion Ratio Lower Upper
82 100
128 38.0 30.5 45.7
54 50.8 41.9 62.9

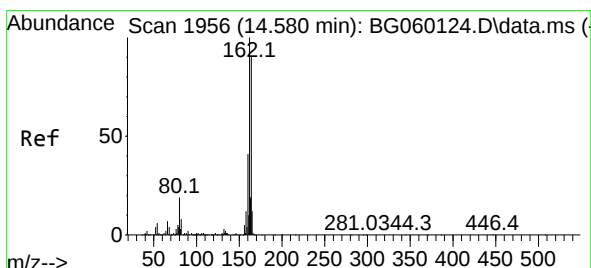
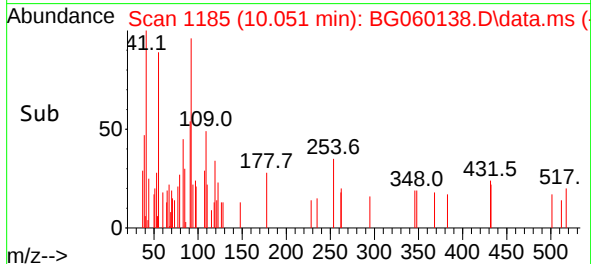
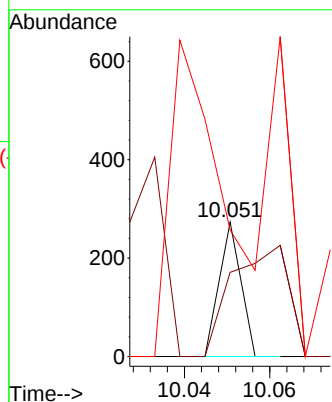
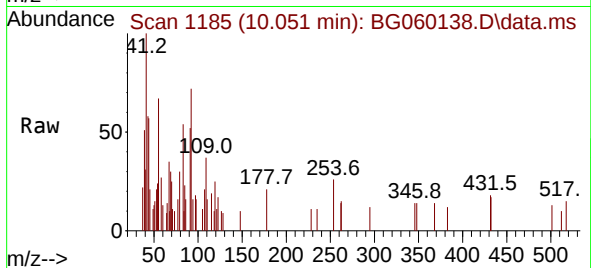




#32
Benzoic acid
Concen: 5.097 ng
RT: 10.051 min Scan# 1185
Delta R.T. 0.001 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

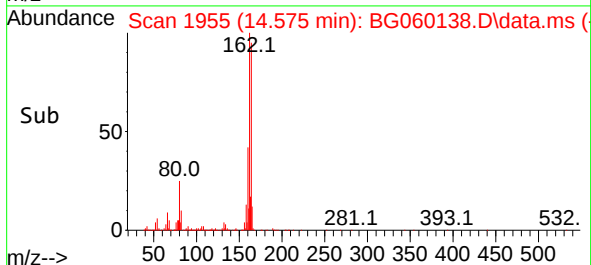
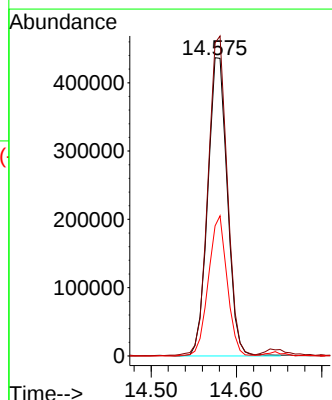
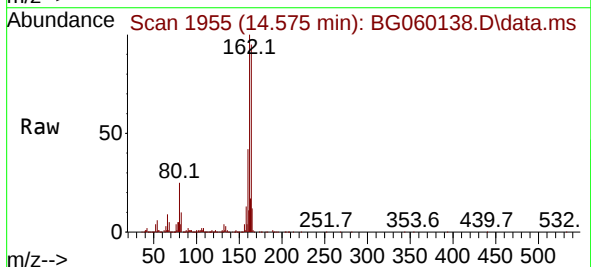
Instrument :
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ClientSampleId :
GHL-SS-68a

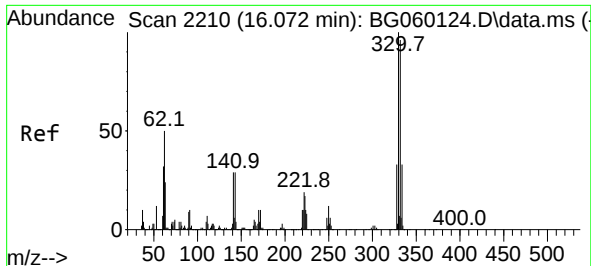
Tgt Ion:122 Resp: 96
Ion Ratio Lower Upper
122 100
105 62.6 93.2 133.2#
77 94.1 81.7 121.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.575 min Scan# 1955
Delta R.T. -0.005 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion:164 Resp: 694766
Ion Ratio Lower Upper
164 100
162 104.9 88.5 132.7
160 43.6 36.2 54.2

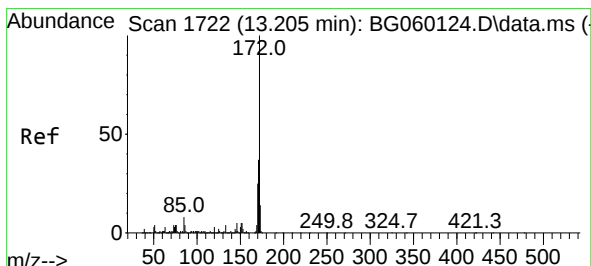
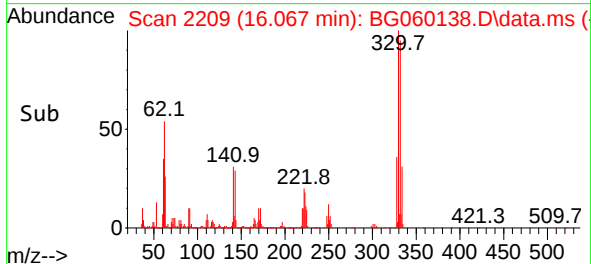
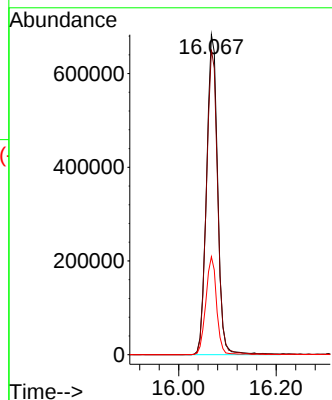
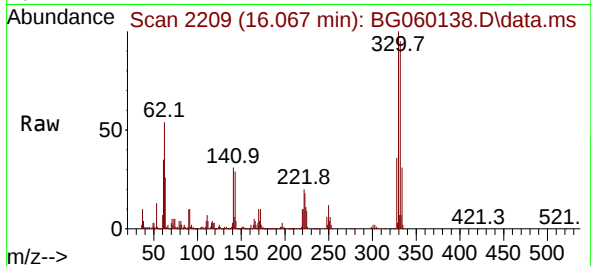




#42
2,4,6-Tribromophenol
Concen: 115.146 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

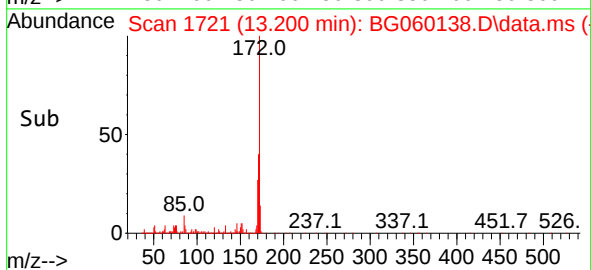
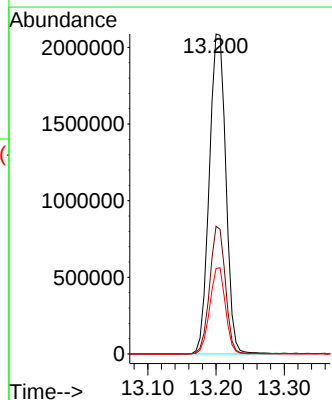
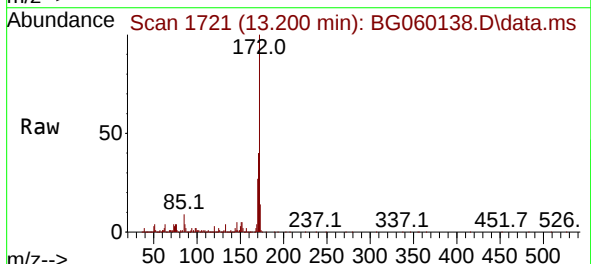
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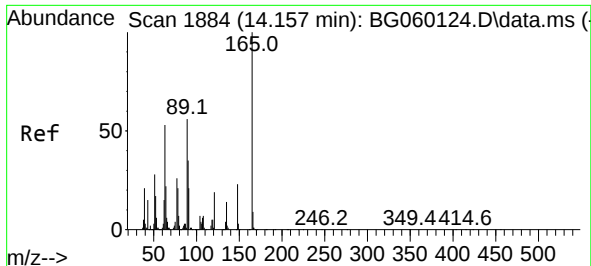
Tgt Ion:330 Resp: 1077131
Ion Ratio Lower Upper
330 100
332 95.6 75.5 113.3
141 29.6 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 76.323 ng
RT: 13.200 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion:172 Resp: 3531469
Ion Ratio Lower Upper
172 100
171 39.9 29.2 43.8
170 26.7 20.1 30.1





#51

2,6-Dinitrotoluene

Concen: 7.474 ng

RT: 14.575 min Scan# 1955

Delta R.T. 0.418 min

Lab File: BG060138.D

Acq: 22 Dec 2023 14:50

Instrument :

BNA_G

ClientSampleId :

GHL-SS-68a

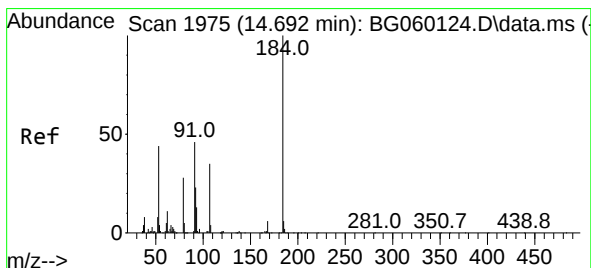
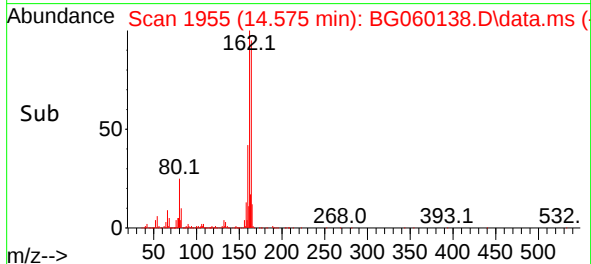
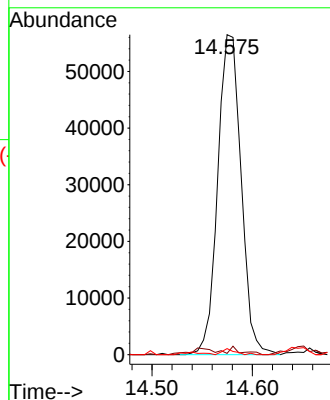
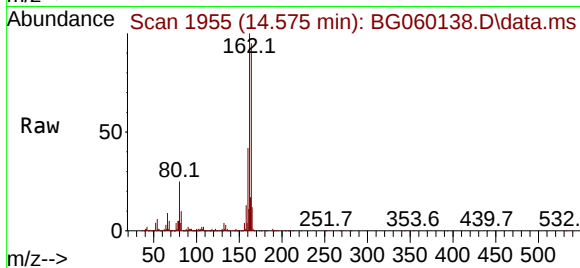
Tgt Ion:165 Resp: 91356

Ion Ratio Lower Upper

165 100

63 0.4 45.4 68.2#

89 1.9 44.6 66.8#



#54

2,4-Dinitrophenol

Concen: 6.625 ng

RT: 14.698 min Scan# 1976

Delta R.T. 0.006 min

Lab File: BG060138.D

Acq: 22 Dec 2023 14:50

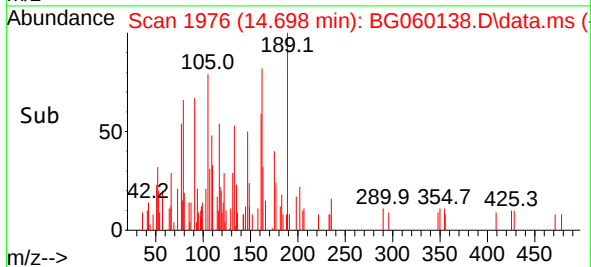
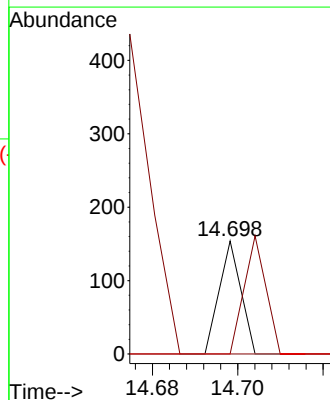
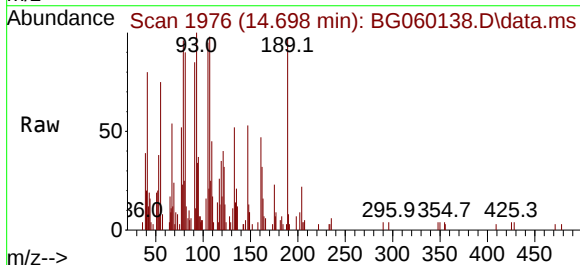
Tgt Ion:184 Resp: 54

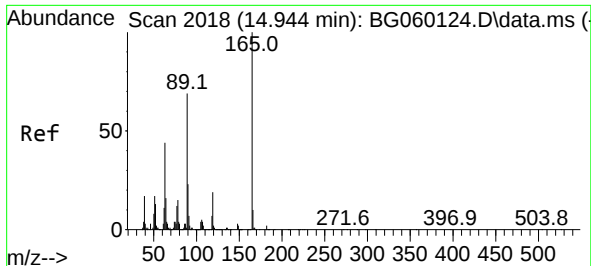
Ion Ratio Lower Upper

184 100

63 0.0 48.1 72.1#

154 0.0 44.3 66.5#

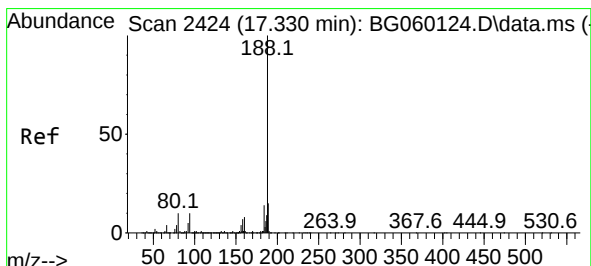
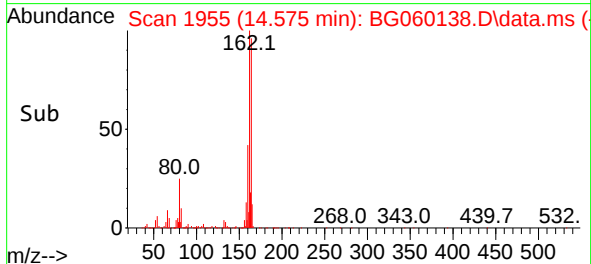
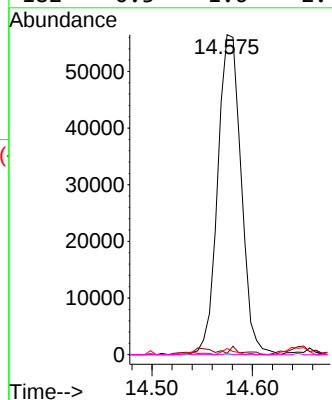
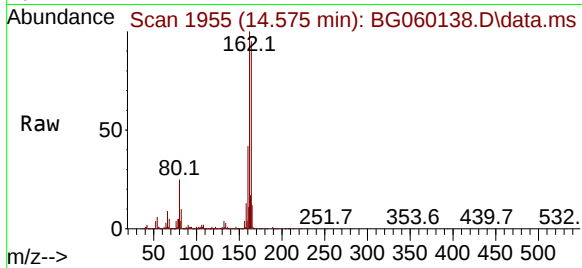




#57
2,4-Dinitrotoluene
Concen: 5.091 ng
RT: 14.575 min Scan# 1955
Delta R.T. -0.369 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

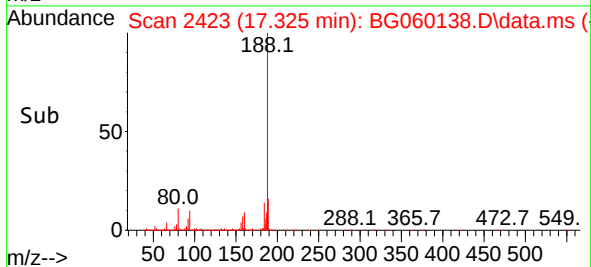
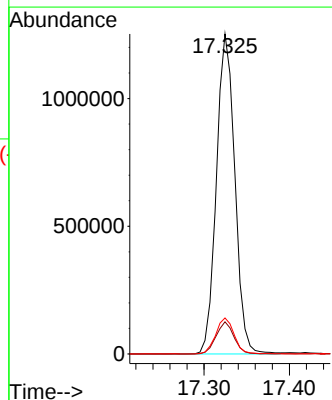
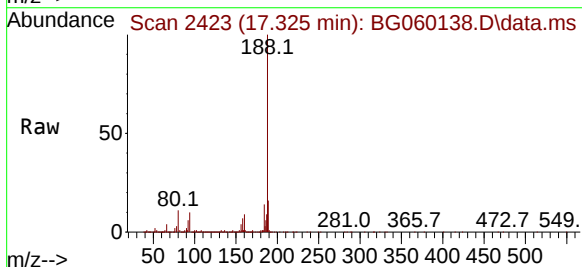
Instrument :
BNA_G
ClientSampleId :
GHL-SS-68a

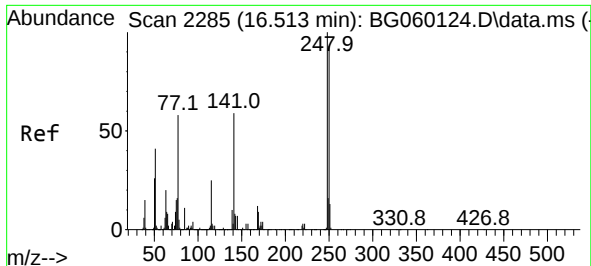
Tgt Ion:165 Resp: 91356
Ion Ratio Lower Upper
165 100
63 0.4 35.4 53.0#
89 1.9 55.6 83.4#
182 0.3 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion:188 Resp: 1886619
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 11.2 7.9 11.9

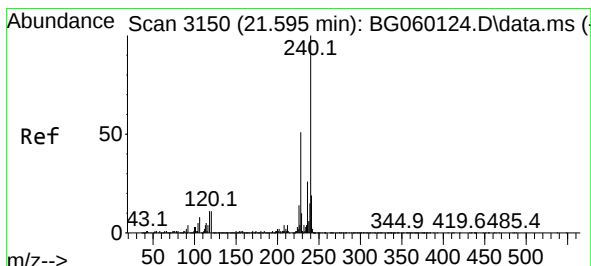
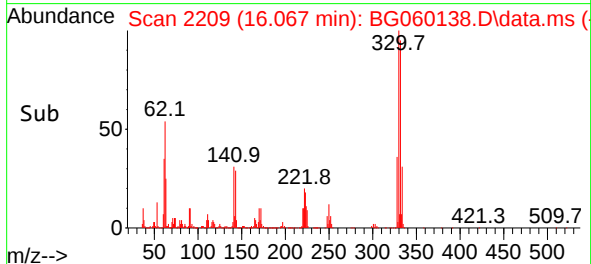
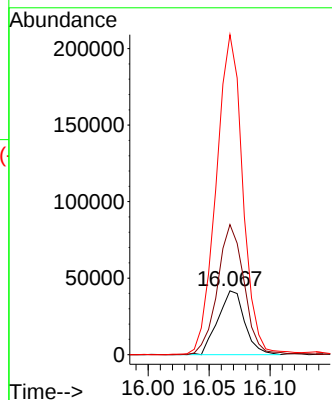
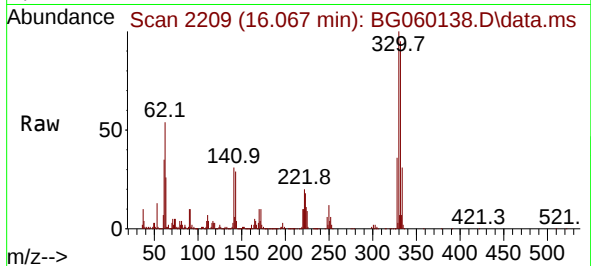




#67
4-Bromophenyl-phenylether
Concen: 3.588 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

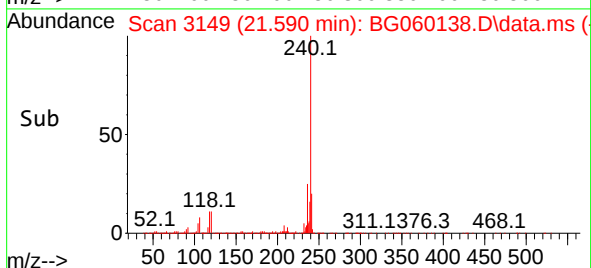
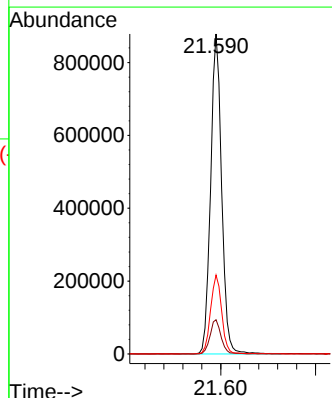
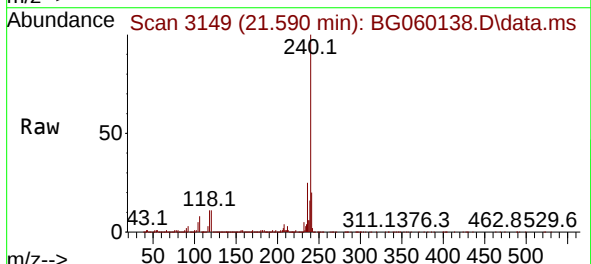
Instrument :
BNA_G
ClientSampleId :
GHL-SS-68a

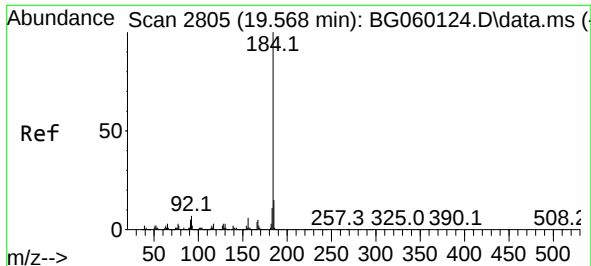
Tgt Ion:248 Resp: 63776
Ion Ratio Lower Upper
248 100
250 206.4 74.5 111.7#
141 388.9 47.4 71.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion:240 Resp: 1415680
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 24.6 20.4 30.6

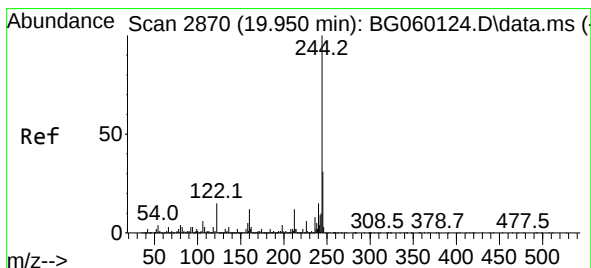
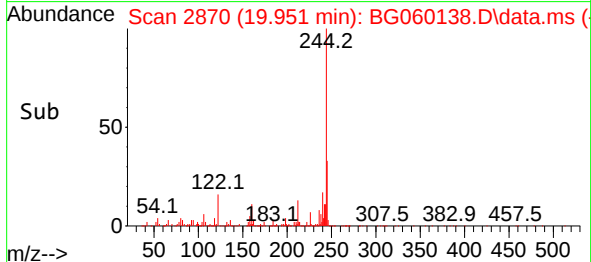
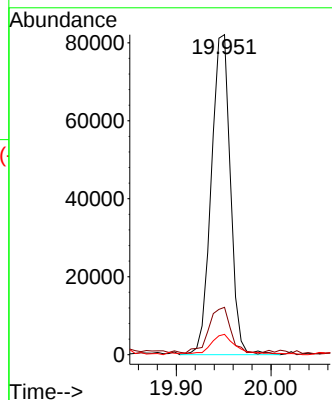
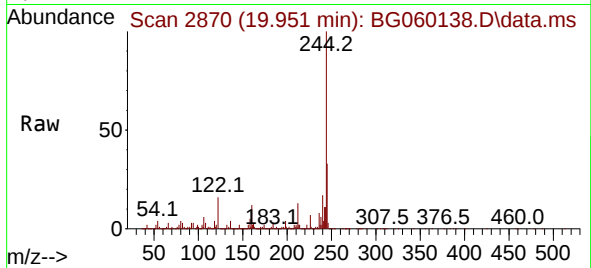




#77
Benzidine
Concen: 2.996 ng
RT: 19.951 min Scan# 2805
Delta R.T. 0.383 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

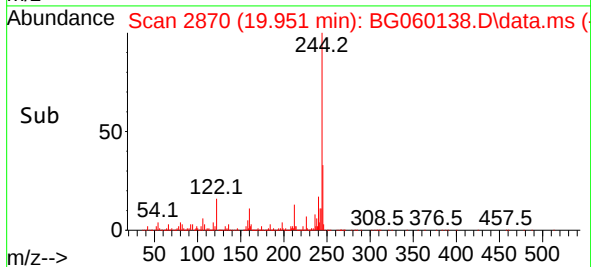
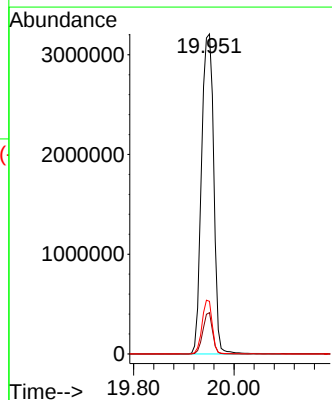
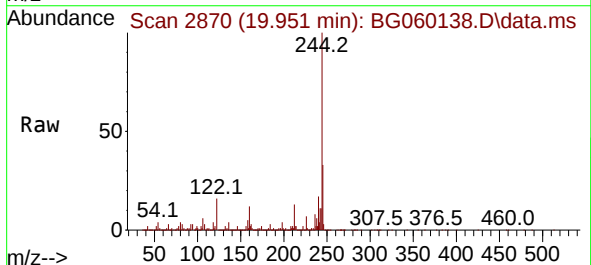
Instrument :
BNA_G
ClientSampleId :
GHL-SS-68a

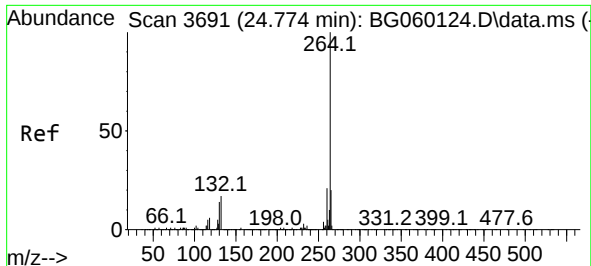
Tgt Ion:184 Resp: 114682
Ion Ratio Lower Upper
184 100
185 14.8 11.7 17.5
183 6.3 9.0 13.6#



#79
Terphenyl-d14
Concen: 69.160 ng
RT: 19.951 min Scan# 2870
Delta R.T. 0.001 min
Lab File: BG060138.D
Acq: 22 Dec 2023 14:50

Tgt Ion:244 Resp: 5410703
Ion Ratio Lower Upper
244 100
212 12.9 9.5 14.3
122 16.4 12.2 18.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.769 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BG060138.D
 Acq: 22 Dec 2023 14:50

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-68a

Tgt Ion:264 Resp: 1423600
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.1 25.7
 265 21.7 16.0 24.0

