

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061121.D
 Acq On : 6 May 2024 15:27
 Operator : MA/JU
 Sample : P2390-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-2

Quant Time: May 06 16:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

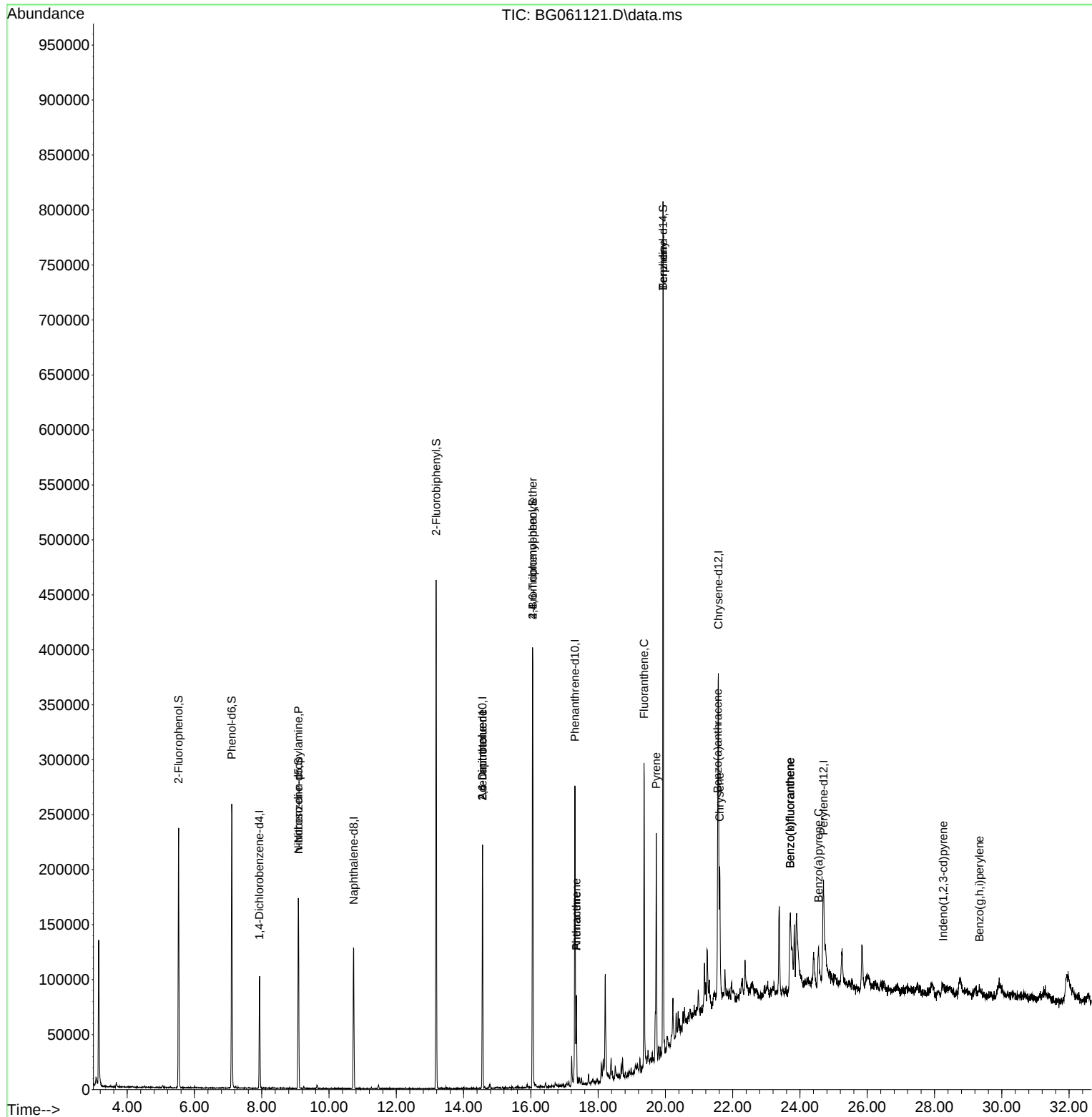
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	26335	20.000	ng	-0.03
21) Naphthalene-d8	10.733	136	104355	20.000	ng	-0.03
39) Acenaphthene-d10	14.564	164	77493	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	176874	20.000	ng	#-0.03
76) Chrysene-d12	21.573	240	178116	20.000	ng	-0.02
86) Perylene-d12	24.699	264	136233	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	83159	64.220	ng	-0.02
7) Phenol-d6	7.108	99	120017	62.653	ng	-0.03
23) Nitrobenzene-d5	9.088	82	88479	42.031	ng	-0.03
42) 2,4,6-Tribromophenol	16.056	330	92461	59.693	ng	-0.02
45) 2-Fluorobiphenyl	13.183	172	238737	45.556	ng	-0.03
79) Terphenyl-d14	19.928	244	404156	37.738	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.066	77	95	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.088	70	13332	9.300 ng	#	69
51) 2,6-Dinitrotoluene	14.564	165	10308	8.051 ng	#	15
57) 2,4-Dinitrotoluene	14.564	165	10308	5.442 ng	#	17
67) 4-Bromophenyl-phenylether	16.056	248	5957	2.859 ng	#	1
71) Phenanthrene	17.354	178	52282	6.465 ng		96
72) Anthracene	17.354	178	52282	6.479 ng		95
75) Fluoranthene	19.364	202	175344	15.826 ng		100
77) Benzidine	19.928	184	7030	4.749 ng	#	82
78) Pyrene	19.728	202	138577	12.238 ng		98
81) Benzo(a)anthracene	21.549	228	72930	6.257 ng		97
83) Chrysene	21.614	228	97182	8.899 ng		95
87) Indeno(1,2,3-cd)pyrene	28.259	276	22387	2.480 ng	#	79
88) Benzo(b)fluoranthene	23.712	252	90651	11.908 ng		96
89) Benzo(k)fluoranthene	23.712	252	90651	12.378 ng		94
90) Benzo(a)pyrene	24.552	252	50060	7.548 ng	#	95
92) Benzo(g,h,i)perylene	29.334	276	19284	2.595 ng	#	77

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

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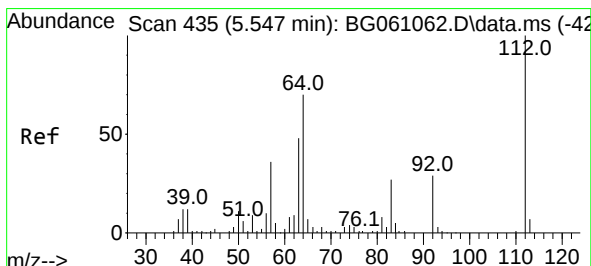
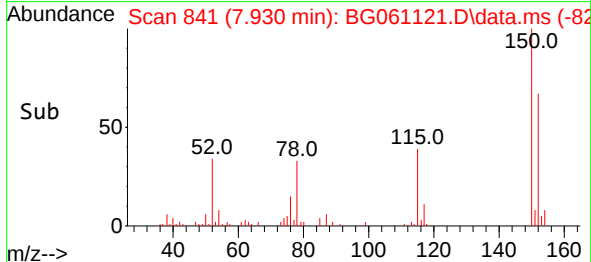
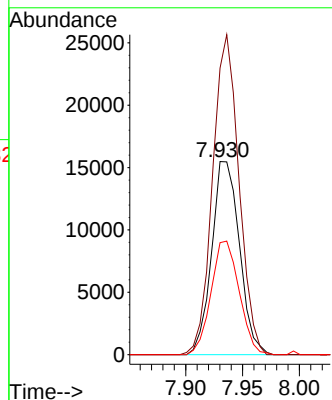
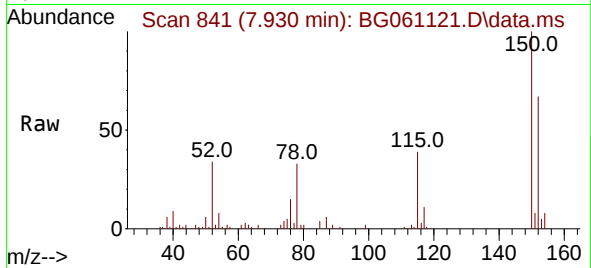




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 846
Delta R.T. -0.031 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

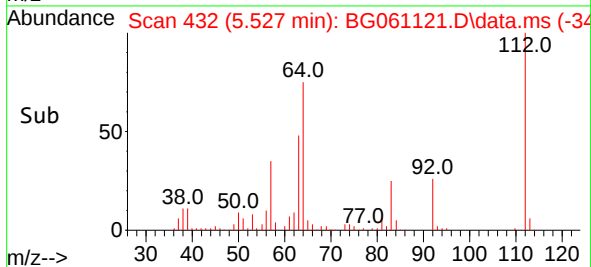
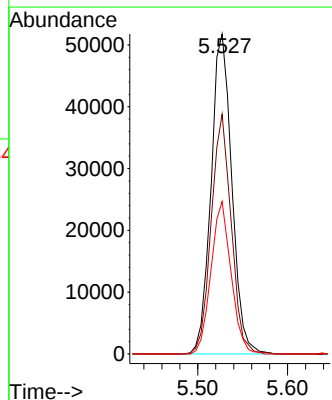
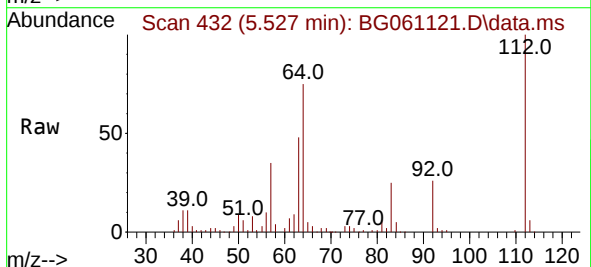
Instrument :
BNA_G
ClientSampleId :
BG-2

Tgt Ion:152 Resp: 26335
Ion Ratio Lower Upper
152 100
150 148.4 138.3 207.5
115 58.0 48.0 72.0



#5
2-Fluorophenol
Concen: 64.220 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:112 Resp: 83159
Ion Ratio Lower Upper
112 100
64 74.9 55.7 83.5
63 47.6 38.1 57.1

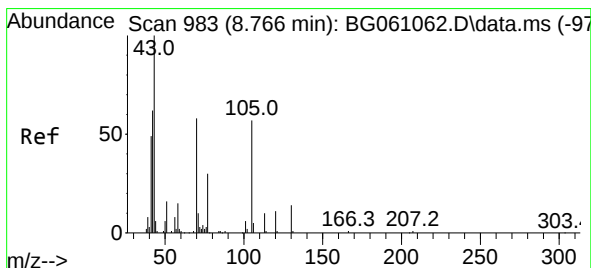
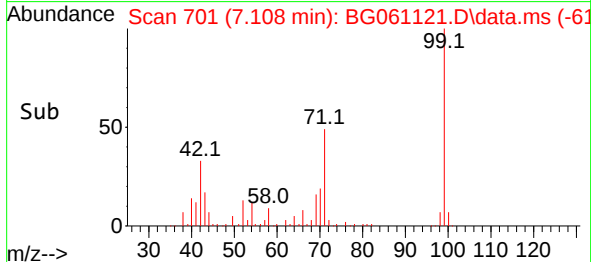
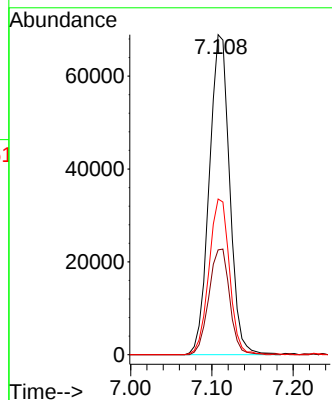
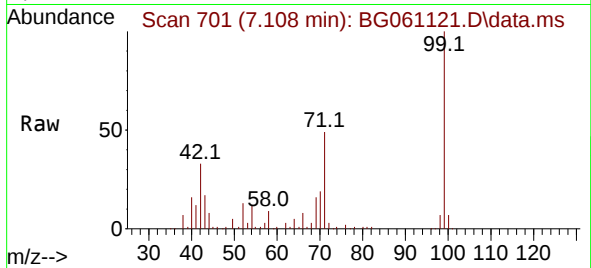




#7
Phenol-d6
Concen: 62.653 ng
RT: 7.108 min Scan# 70
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

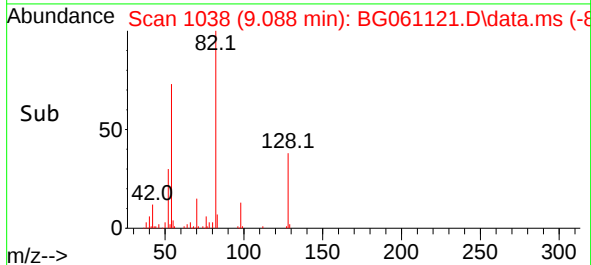
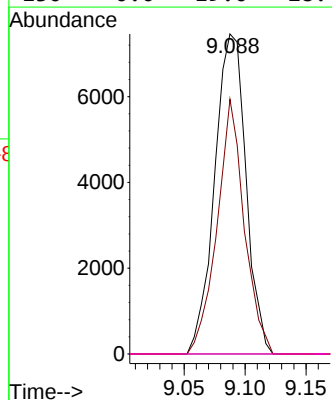
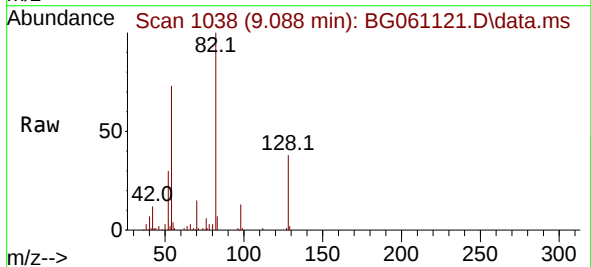
Instrument :
BNA_G
ClientSampleId :
BG-2

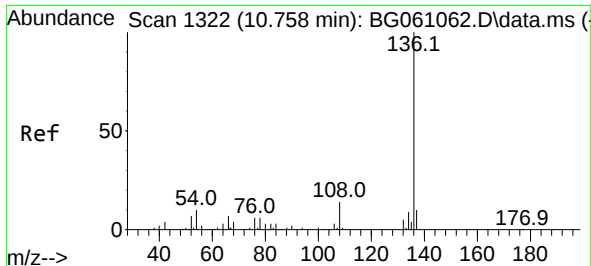
Tgt Ion: 99 Resp: 120017
Ion Ratio Lower Upper
99 100
42 32.8 29.2 43.8
71 48.7 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.300 ng
RT: 9.088 min Scan# 1038
Delta R.T. 0.321 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion: 70 Resp: 13332
Ion Ratio Lower Upper
70 100
42 79.6 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#

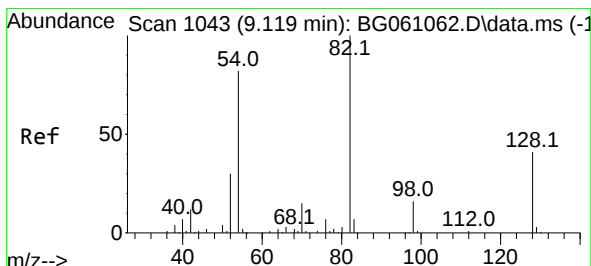
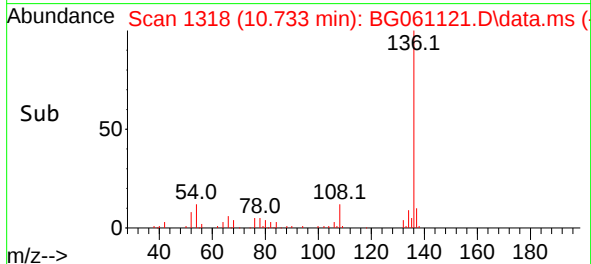
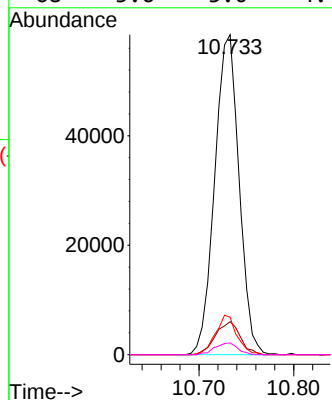
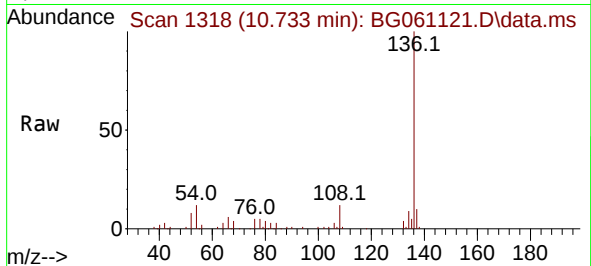




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 11
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

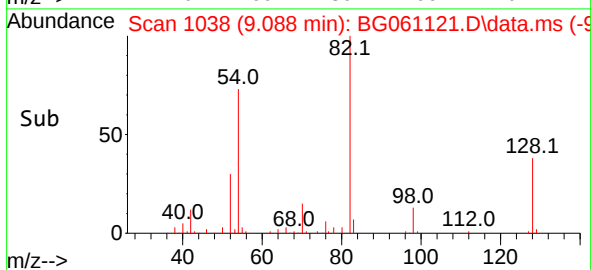
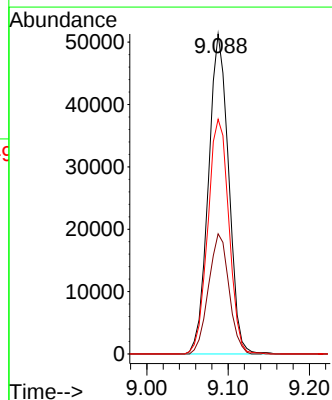
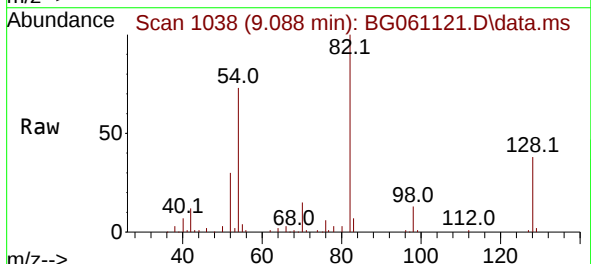
Instrument :
BNA_G
ClientSampleId :
BG-2

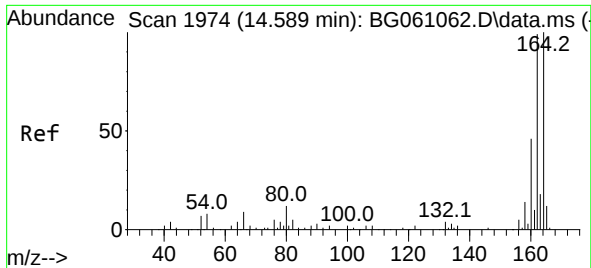
Tgt Ion:	136	Resp:	104355
Ion	Ratio	Lower	Upper
136	100		
137	10.3	7.8	11.6
54	11.7	8.1	12.1
68	3.6	3.0	4.4



#23
Nitrobenzene-d5
Concen: 42.031 ng
RT: 9.088 min Scan# 1038
Delta R.T. -0.031 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:	82	Resp:	88479
Ion	Ratio	Lower	Upper
82	100		
128	37.6	32.7	49.1
54	73.4	65.6	98.4

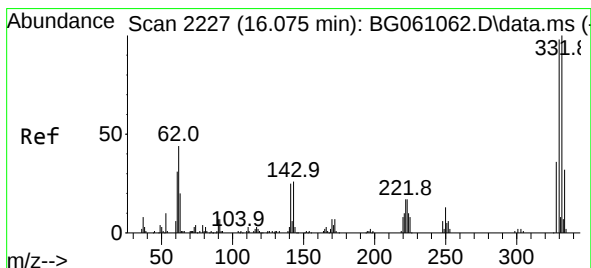
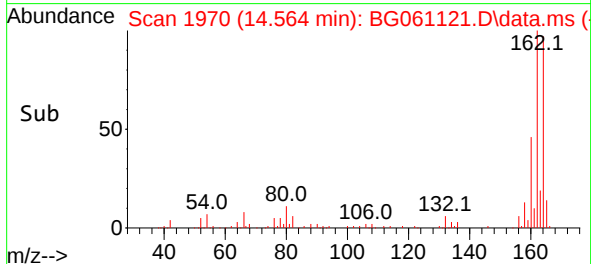
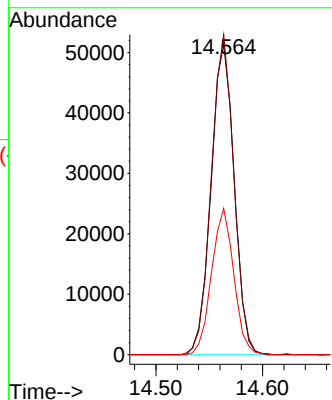
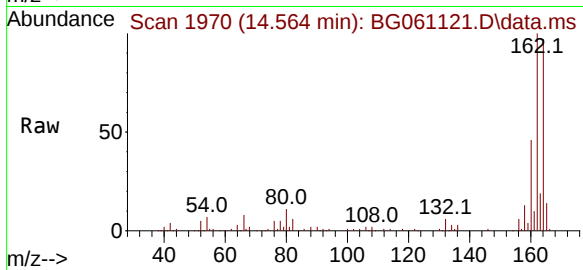




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.564 min Scan# 1974
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

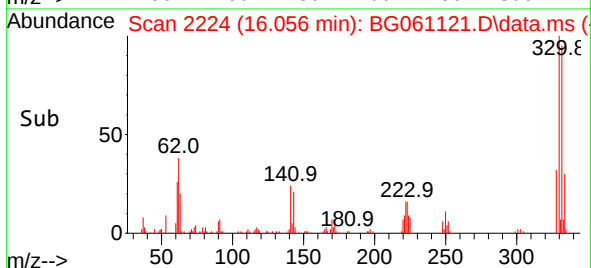
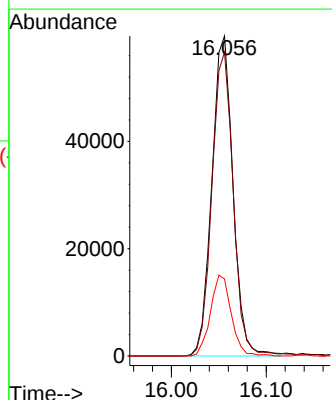
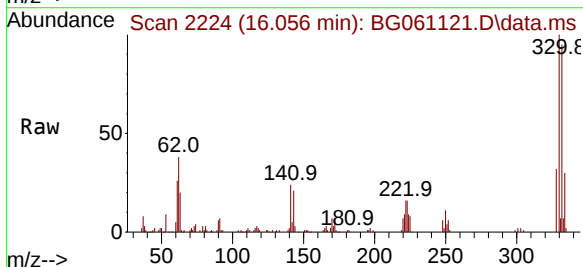
Instrument :
BNA_G
ClientSampleId :
BG-2

Tgt Ion:164 Resp: 77493
Ion Ratio Lower Upper
164 100
162 103.2 79.4 119.2
160 47.2 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 59.693 ng
RT: 16.056 min Scan# 2224
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:330 Resp: 92461
Ion Ratio Lower Upper
330 100
332 95.6 78.6 117.8
141 24.8 20.5 30.7

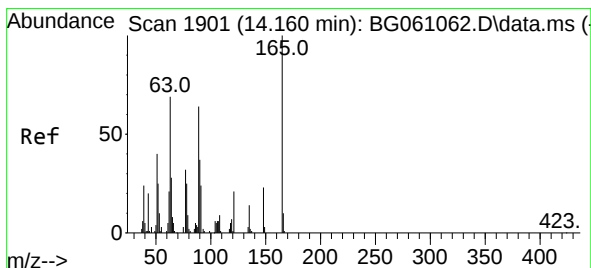
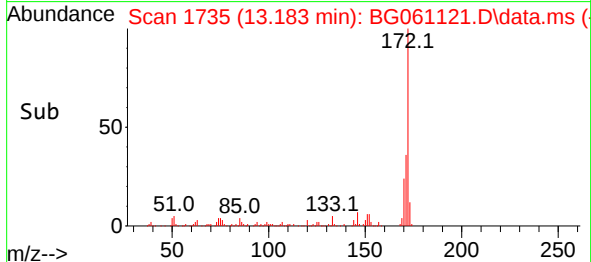
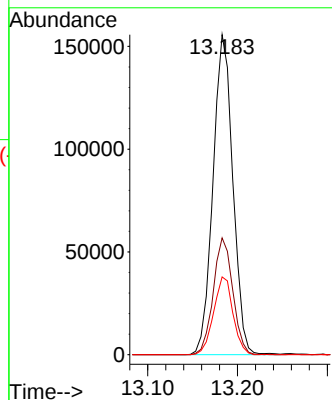
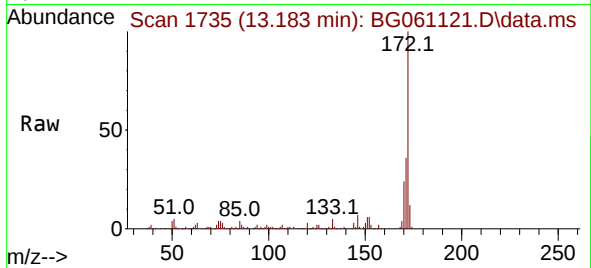




#45
2-Fluorobiphenyl
Concen: 45.556 ng
RT: 13.183 min Scan# 1735
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

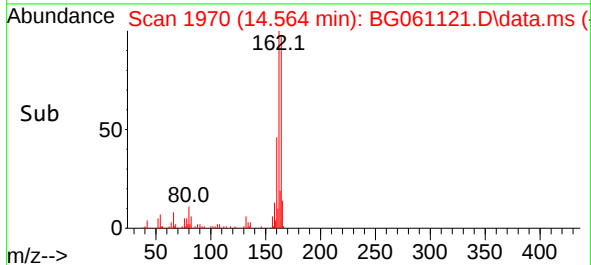
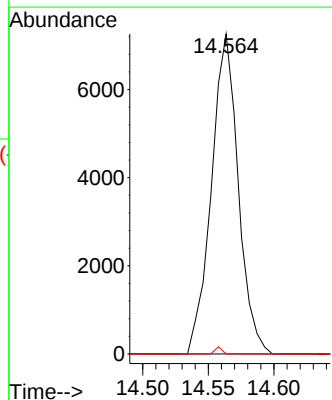
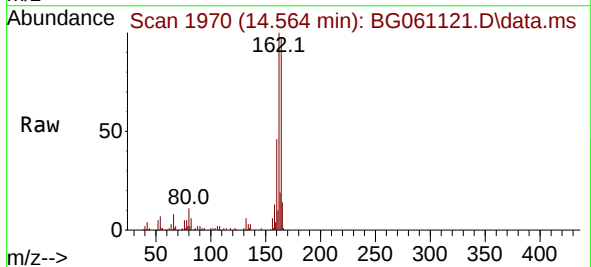
Instrument :
BNA_G
ClientSampleId :
BG-2

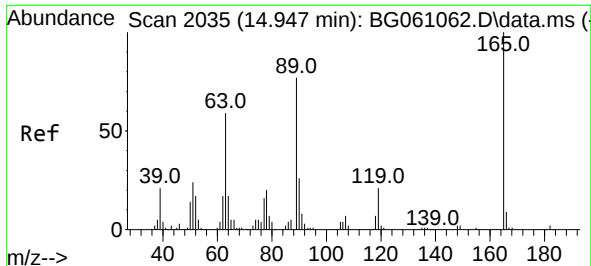
Tgt Ion:172 Resp: 238737
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.3 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.051 ng
RT: 14.564 min Scan# 1970
Delta R.T. 0.404 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:165 Resp: 10308
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#

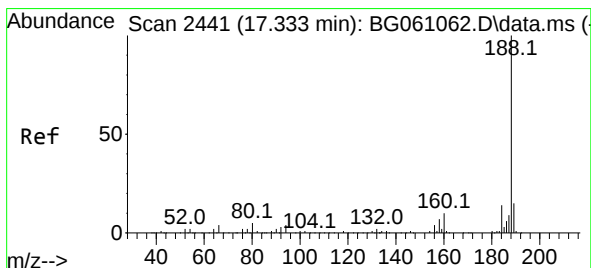
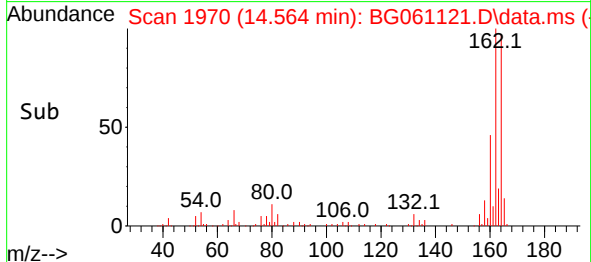
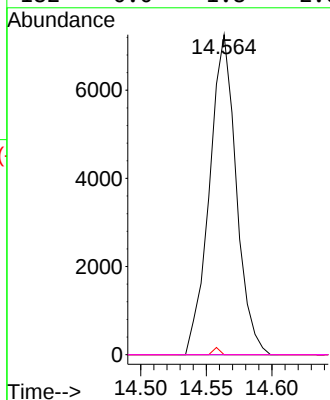
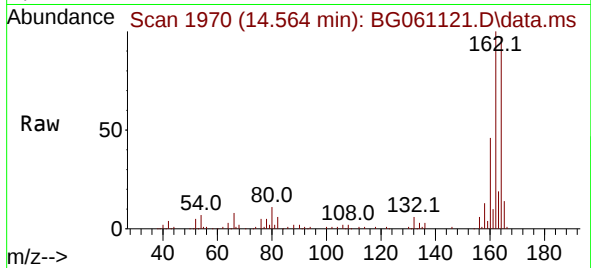




#57
2,4-Dinitrotoluene
Concen: 5.442 ng
RT: 14.564 min Scan# 1970
Delta R.T. -0.384 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

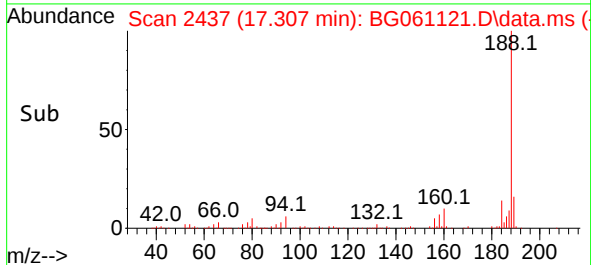
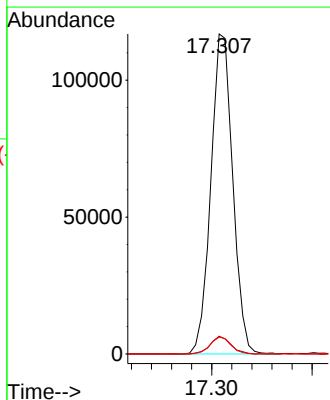
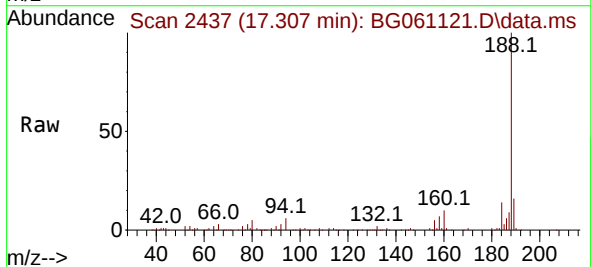
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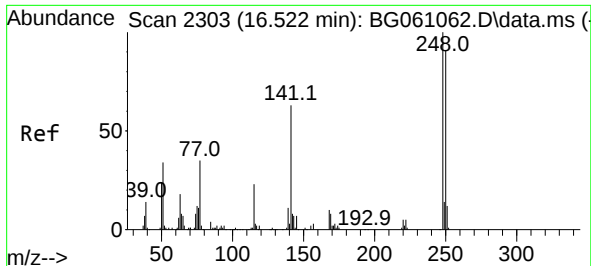
Tgt Ion:165 Resp: 10308
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2437
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:188 Resp: 176874
Ion Ratio Lower Upper
188 100
94 5.5 3.6 5.4#
80 5.2 4.2 6.2

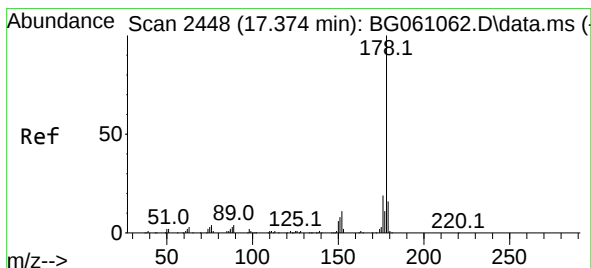
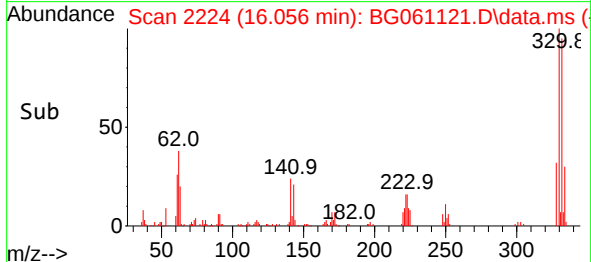
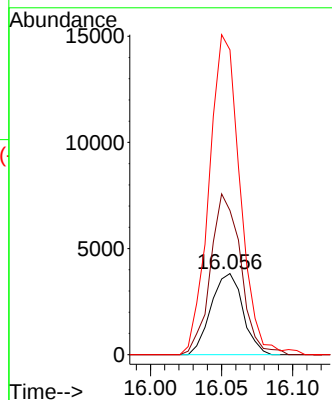
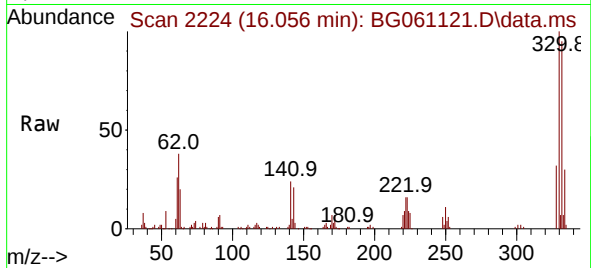




#67
4-Bromophenyl-phenylether
Concen: 2.859 ng
RT: 16.056 min Scan# 211
Delta R.T. -0.466 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

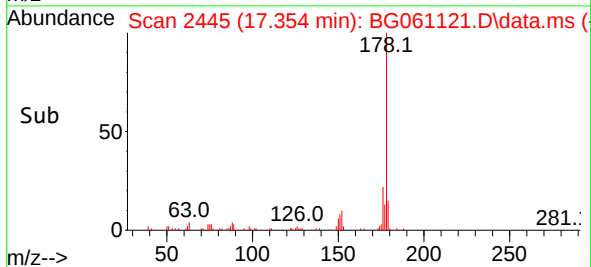
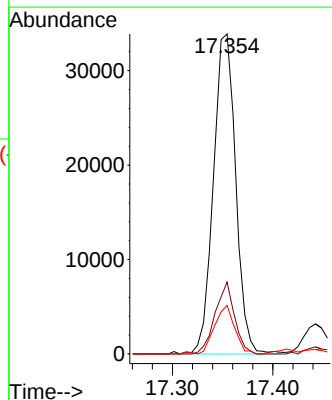
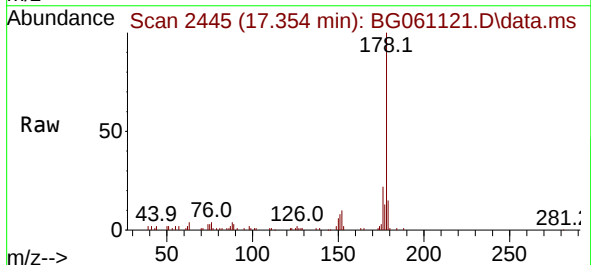
Instrument :
BNA_G
ClientSampleId :
BG-2

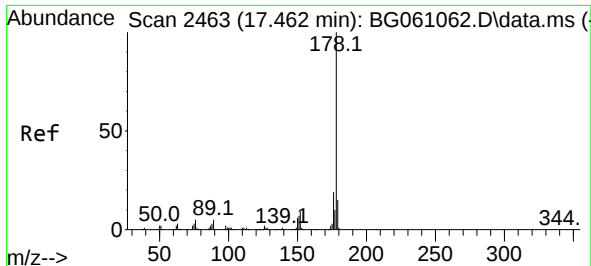
Tgt Ion:248 Resp: 5957
Ion Ratio Lower Upper
248 100
250 177.7 73.0 109.4#
141 375.6 50.8 76.2#



#71
Phenanthrene
Concen: 6.465 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:178 Resp: 52282
Ion Ratio Lower Upper
178 100
176 22.4 15.5 23.3
179 15.2 12.6 19.0

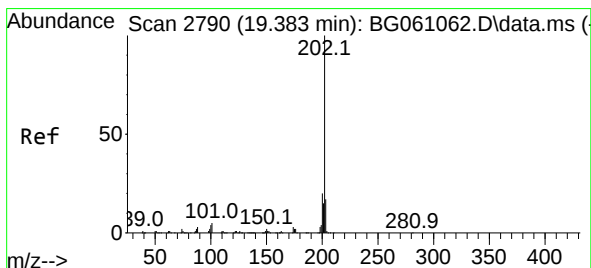
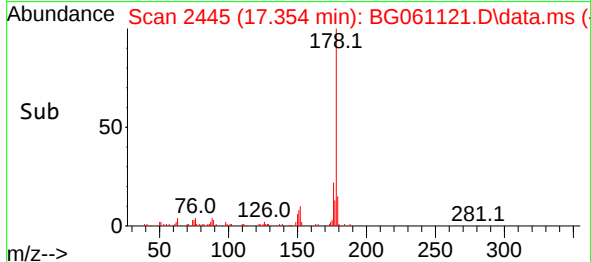
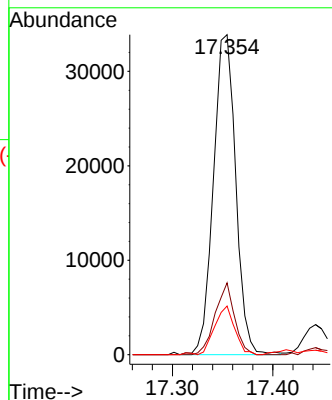
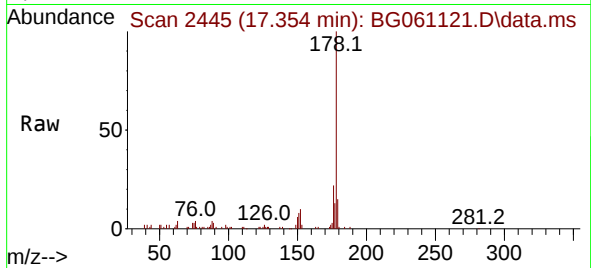




#72
 Anthracene
 Concen: 6.479 ng
 RT: 17.354 min Scan# 2463
 Delta R.T. -0.108 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

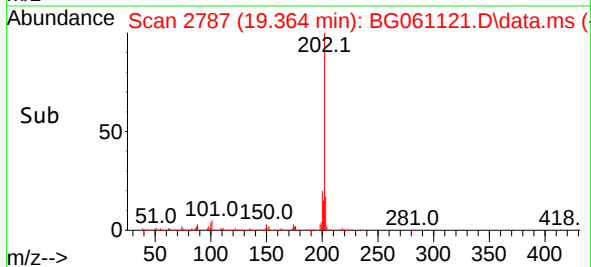
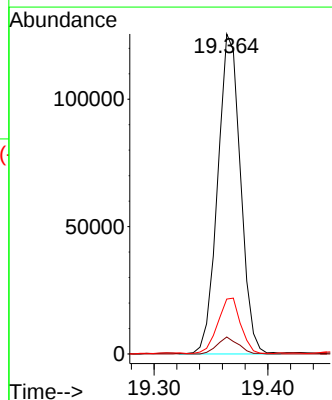
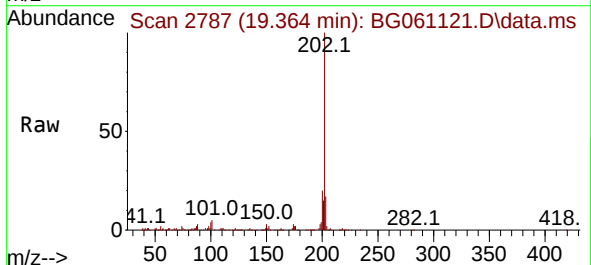
Instrument :
 BNA_G
 ClientSampleId :
 BG-2

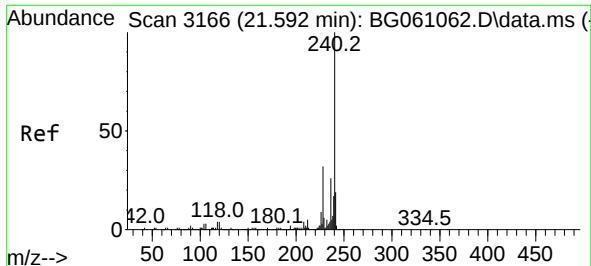
Tgt Ion:178 Resp: 52282
 Ion Ratio Lower Upper
 178 100
 176 22.4 15.0 22.6
 179 15.2 12.0 18.0



#75
 Fluoranthene
 Concen: 15.826 ng
 RT: 19.364 min Scan# 2787
 Delta R.T. -0.019 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

Tgt Ion:202 Resp: 175344
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.7
 203 17.1 0.0 37.1

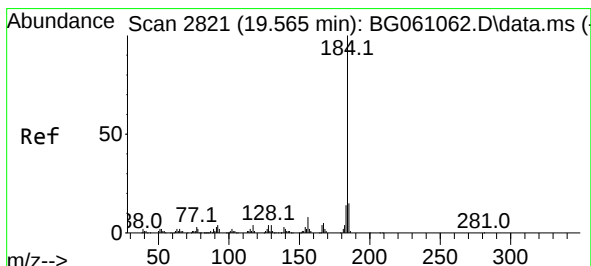
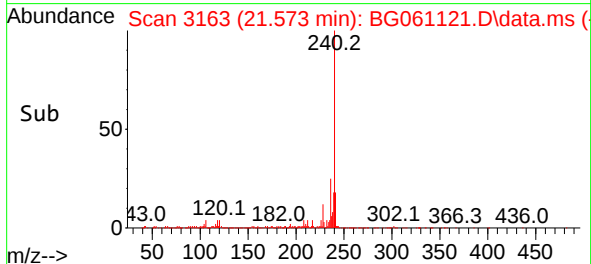
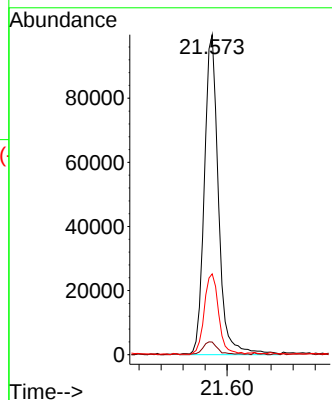
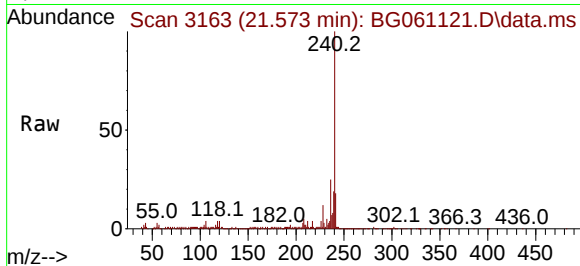




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.573 min Scan# 31
Delta R.T. -0.019 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

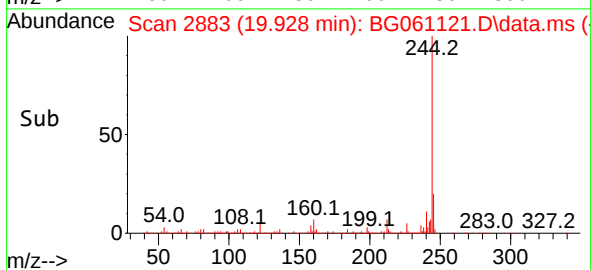
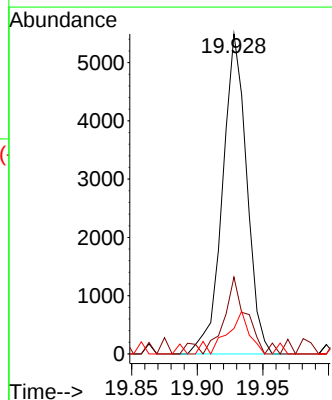
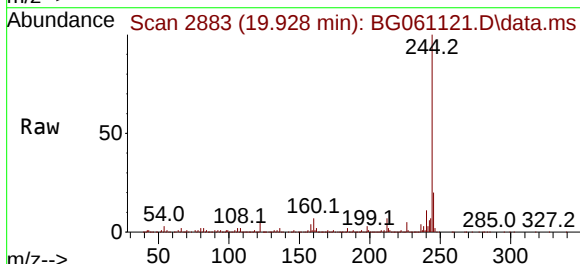
Instrument :
BNA_G
ClientSampleId :
BG-2

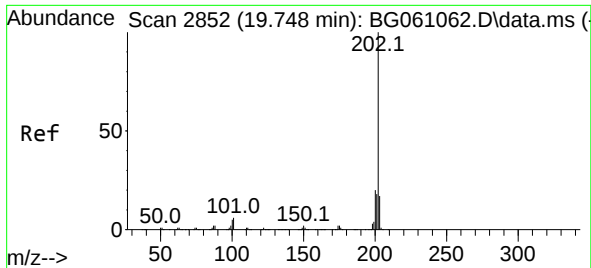
Tgt Ion:240 Resp: 178116
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 25.2 21.0 31.6



#77
Benzidine
Concen: 4.749 ng
RT: 19.928 min Scan# 2883
Delta R.T. 0.363 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:184 Resp: 7030
Ion Ratio Lower Upper
184 100
185 24.0 12.0 18.0#
183 8.0 10.9 16.3#

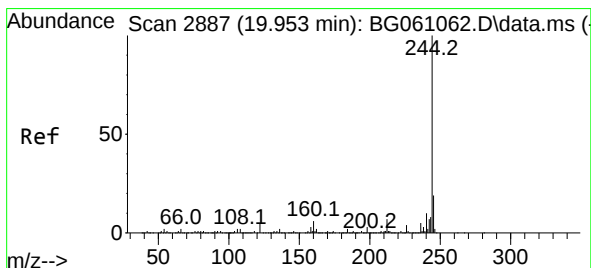
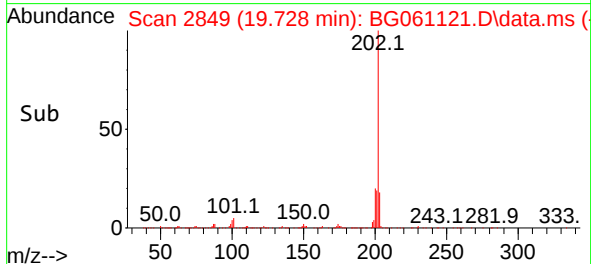
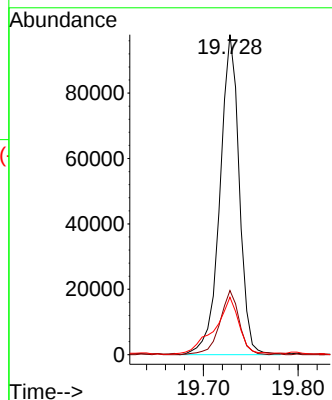
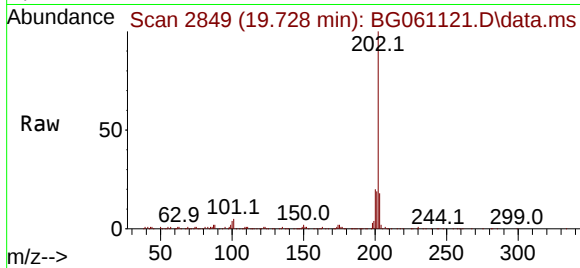




#78
 Pyrene
 Concen: 12.238 ng
 RT: 19.728 min Scan# 2849
 Delta R.T. -0.019 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

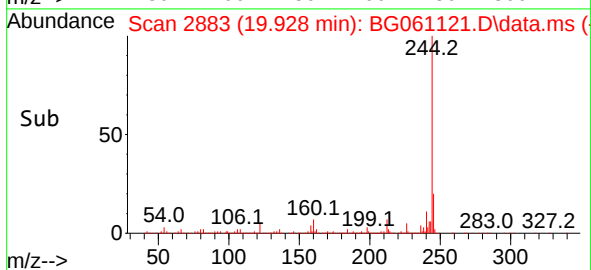
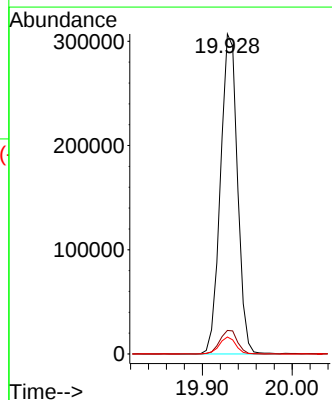
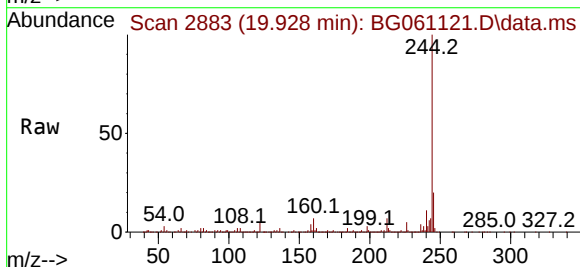
Instrument :
 BNA_G
 ClientSampleId :
 BG-2

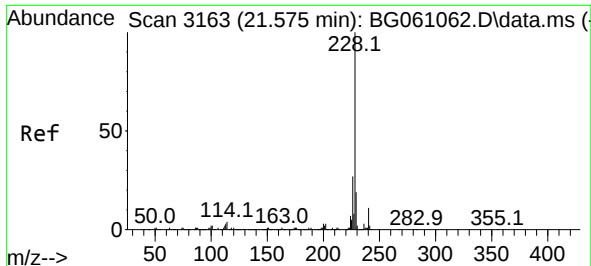
Tgt Ion:	202	Resp:	138577
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.2	24.4
203	18.0	13.3	19.9



#79
 Terphenyl-d14
 Concen: 37.738 ng
 RT: 19.928 min Scan# 2883
 Delta R.T. -0.025 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

Tgt Ion:	244	Resp:	404156
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.7	8.5
122	5.3	4.2	6.2

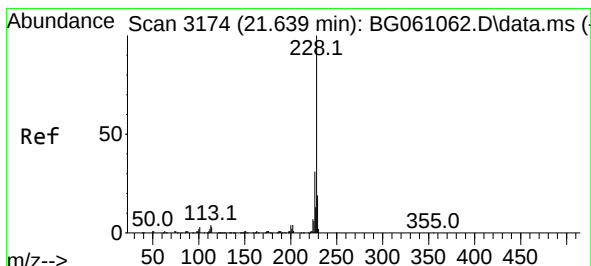
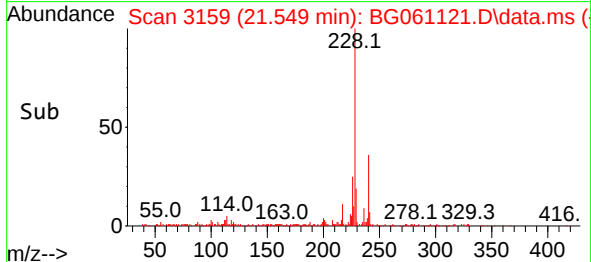
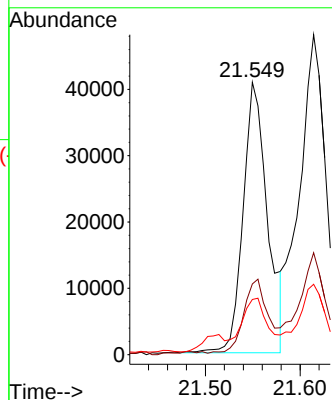
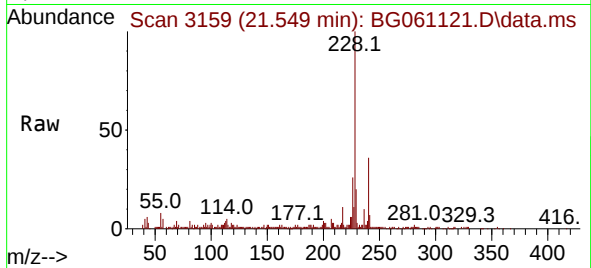




#81
Benzo(a)anthracene
Concen: 6.257 ng
RT: 21.549 min Scan# 3163
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

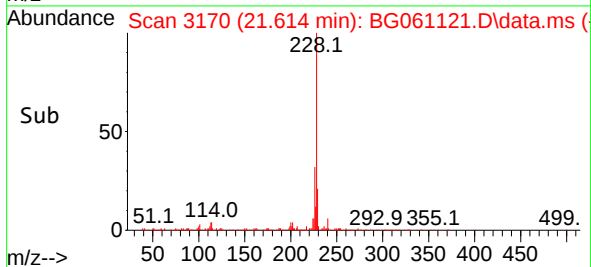
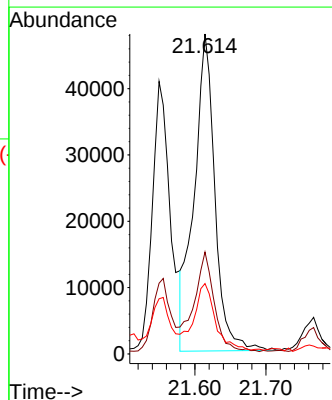
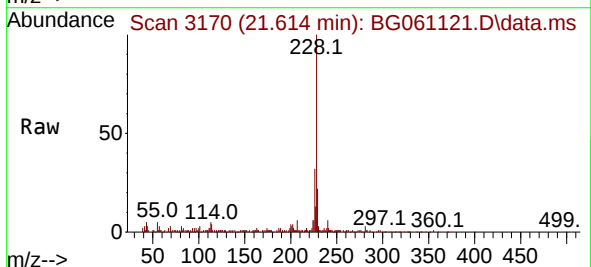
Instrument :
BNA_G
ClientSampleId :
BG-2

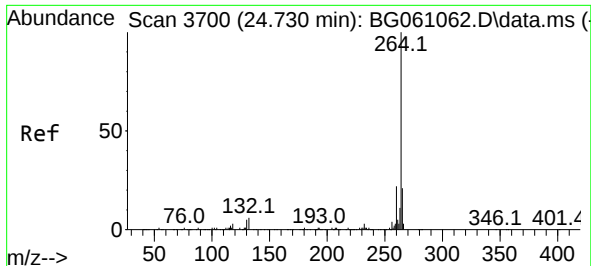
Tgt Ion:228 Resp: 72930
Ion Ratio Lower Upper
228 100
226 26.0 21.6 32.4
229 20.3 15.0 22.4



#83
Chrysene
Concen: 8.899 ng
RT: 21.614 min Scan# 3170
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:228 Resp: 97182
Ion Ratio Lower Upper
228 100
226 31.9 24.4 36.6
229 22.0 14.8 22.2

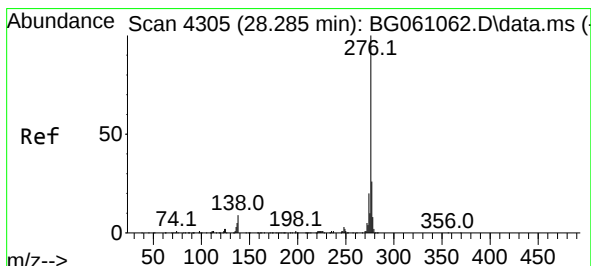
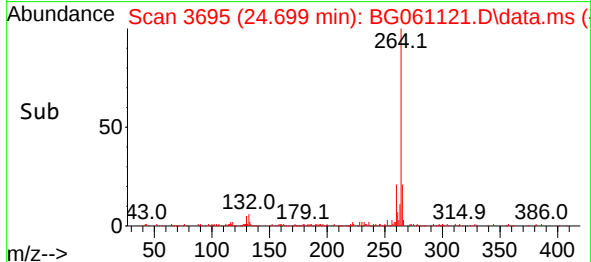
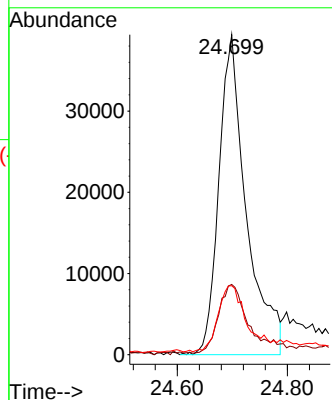
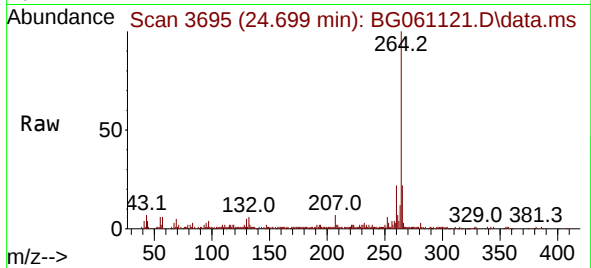




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.699 min Scan# 30
 Delta R.T. -0.031 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

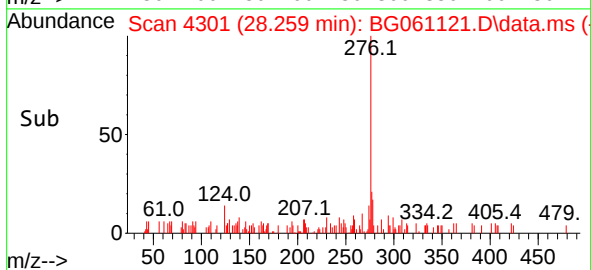
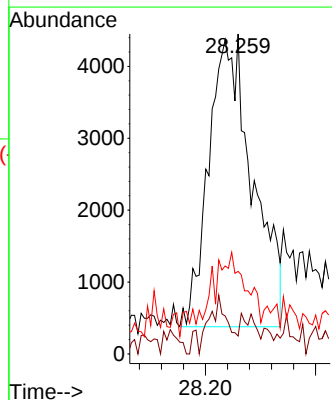
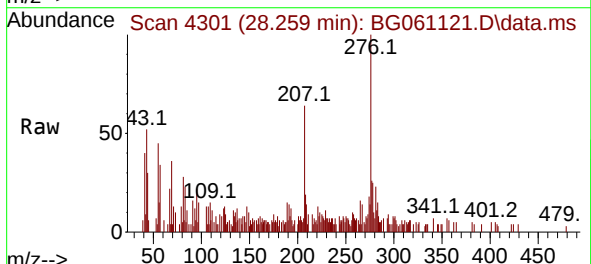
Instrument :
 BNA_G
 ClientSampleId :
 BG-2

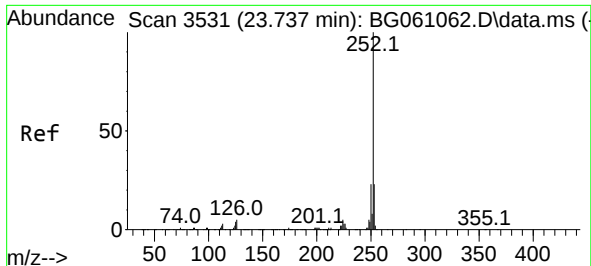
Tgt Ion:264 Resp: 136233
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.7 26.5
 265 21.6 16.4 24.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.480 ng
 RT: 28.259 min Scan# 4301
 Delta R.T. -0.025 min
 Lab File: BG061121.D
 Acq: 6 May 2024 15:27

Tgt Ion:276 Resp: 22387
 Ion Ratio Lower Upper
 276 100
 138 2.2 5.1 7.7#
 277 13.6 20.6 30.8#

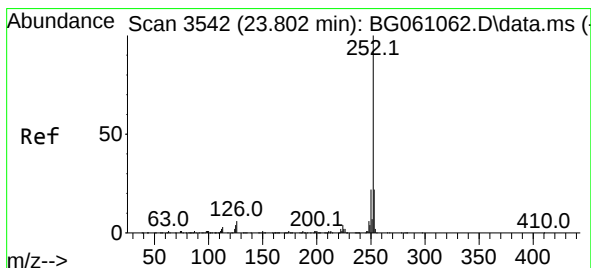
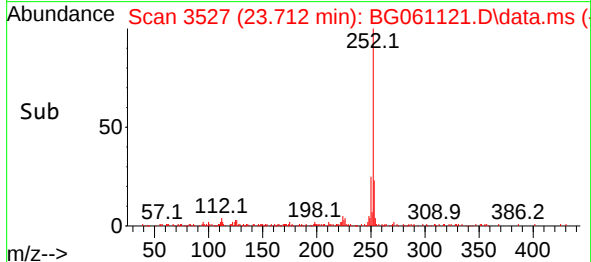
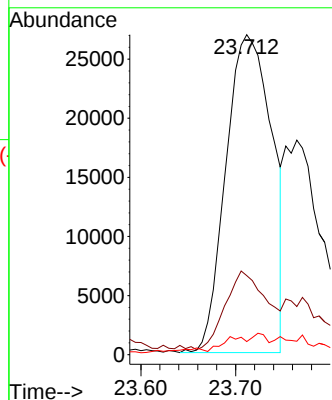
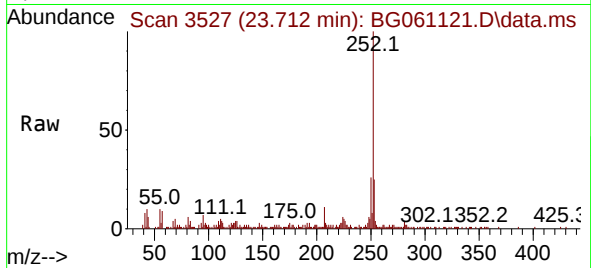




#88
Benzo(b)fluoranthene
Concen: 11.908 ng
RT: 23.712 min Scan# 3527
Delta R.T. -0.025 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

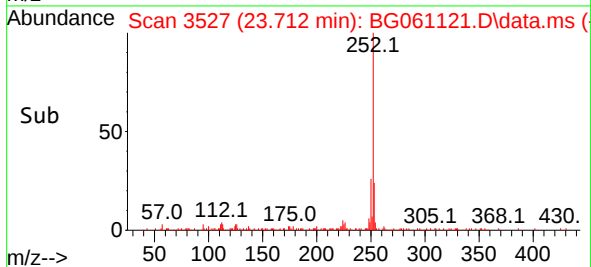
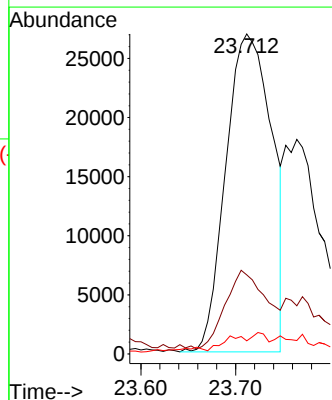
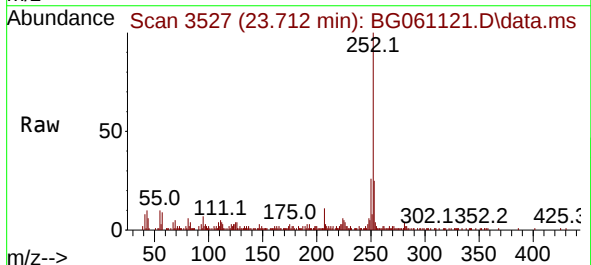
Instrument :
BNA_G
ClientSampleId :
BG-2

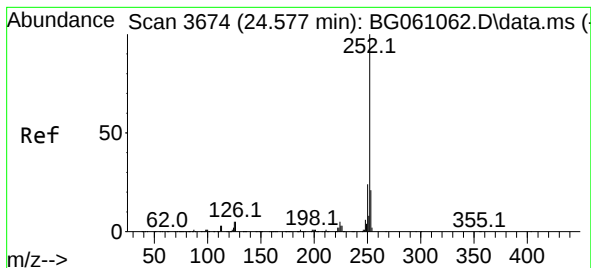
Tgt Ion:252 Resp: 90651
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 4.1 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 12.378 ng
RT: 23.712 min Scan# 3527
Delta R.T. -0.090 min
Lab File: BG061121.D
Acq: 6 May 2024 15:27

Tgt Ion:252 Resp: 90651
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 4.1 3.2 4.8





#90

Benzo(a)pyrene

Concen: 7.548 ng

RT: 24.552 min Scan# 30

Delta R.T. -0.025 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Instrument :

BNA_G

ClientSampleId :

BG-2

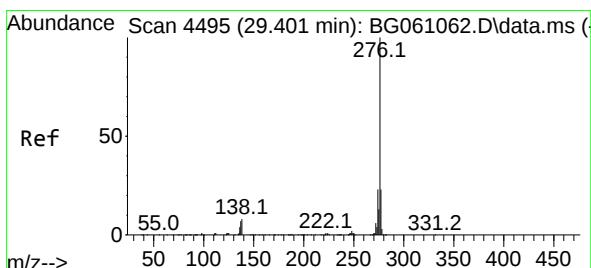
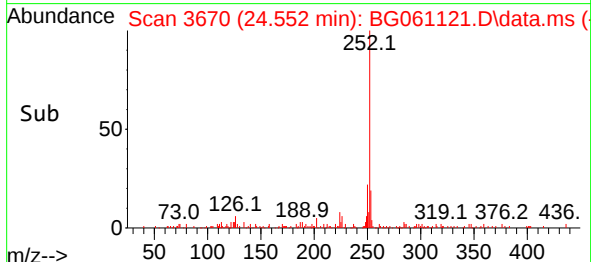
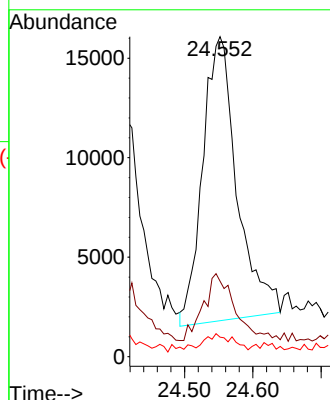
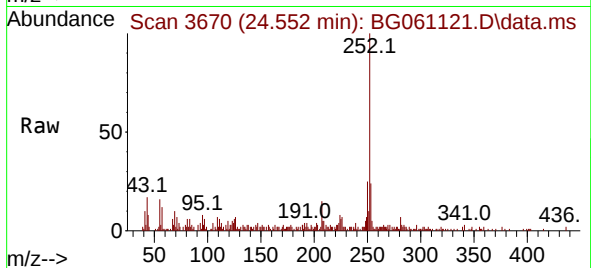
Tgt Ion:252 Resp: 50060

Ion Ratio Lower Upper

252 100

253 23.6 16.9 25.3

125 6.1 3.8 5.8#



#92

Benzo(g,h,i)perylene

Concen: 2.595 ng

RT: 29.334 min Scan# 4484

Delta R.T. -0.066 min

Lab File: BG061121.D

Acq: 6 May 2024 15:27

Tgt Ion:276 Resp: 19284

Ion Ratio Lower Upper

276 100

277 35.1 18.2 27.4#

138 13.3 6.2 9.2#

