

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061080.D
 Acq On : 1 May 2024 17:28
 Operator : MA/JU
 Sample : P2330-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 01 18:25:44 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)

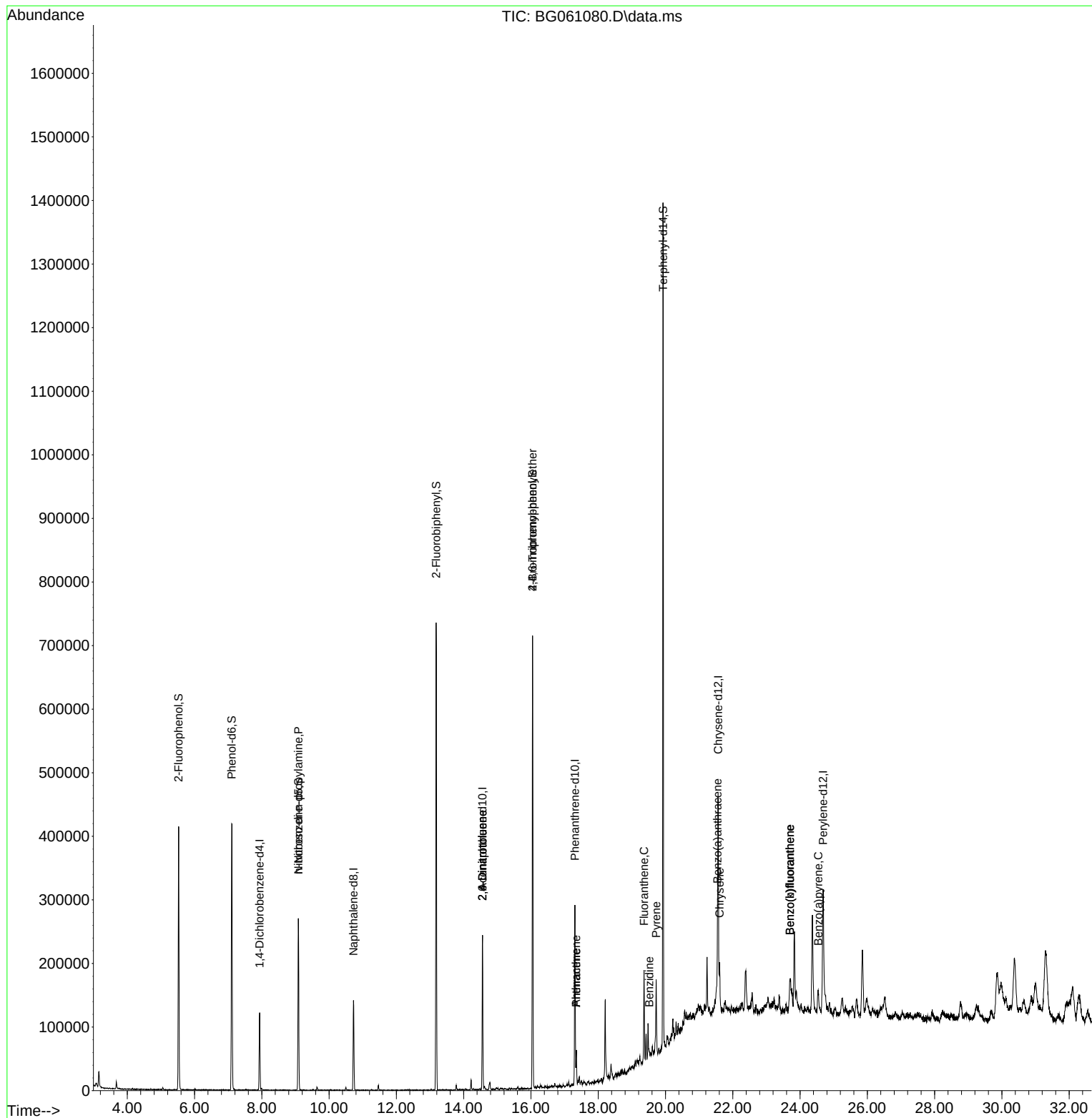
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	29862	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	110747	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	79931	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	189603	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	179103	20.000	ng	-0.03
86) Perylene-d12	24.686	264	219614	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	143779	97.920	ng	-0.02
7) Phenol-d6	7.107	99	192682	88.707	ng	-0.03
23) Nitrobenzene-d5	9.087	82	135189	60.513	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	146482	91.684	ng	-0.03
45) 2-Fluorobiphenyl	13.182	172	369929	68.436	ng	-0.03
79) Terphenyl-d14	19.927	244	675339	62.712	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.107	77	389	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.087	70	19746	12.147	ng	# 66
51) 2,6-Dinitrotoluene	14.557	165	11108	8.412	ng	# 16
57) 2,4-Dinitrotoluene	14.557	165	11108	5.686	ng	# 18
67) 4-Bromophenyl-phenylether	16.049	248	9118	4.082	ng	# 1
71) Phenanthrene	17.348	178	34493	3.979	ng	98
72) Anthracene	17.348	178	34493	3.987	ng	97
75) Fluoranthene	19.363	202	85913	7.234	ng	99
77) Benzidine	19.522	184	360	2.895	ng	# 1
78) Pyrene	19.727	202	77974	6.848	ng	97
81) Benzo(a)anthracene	21.543	228	43820	3.739	ng	94
83) Chrysene	21.608	228	47344	4.312	ng	# 92
88) Benzo(b)fluoranthene	23.699	252	66261	5.399	ng	# 97
89) Benzo(k)fluoranthene	23.699	252	66261	5.612	ng	# 99
90) Benzo(a)pyrene	24.539	252	43237	4.044	ng	# 91

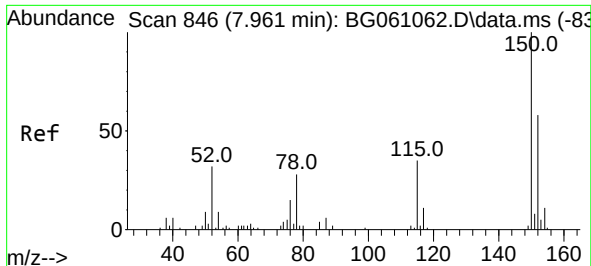
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
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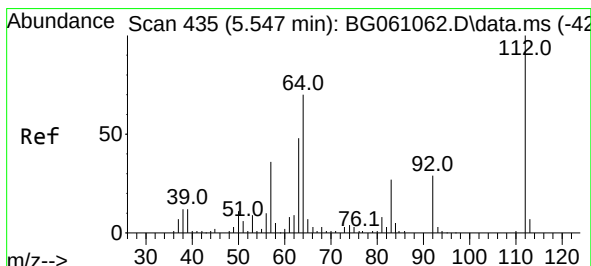
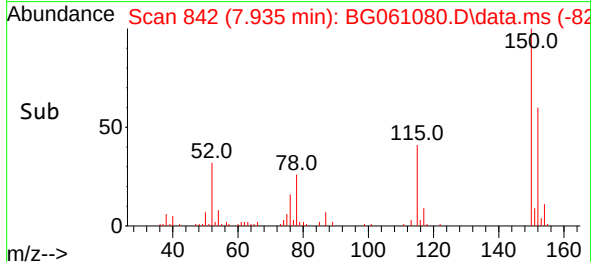
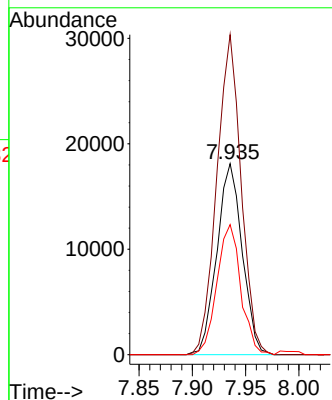
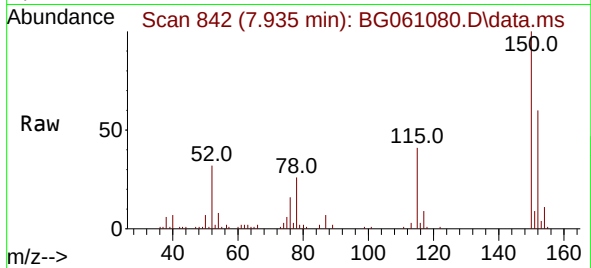




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.935 min Scan# 84
 Delta R.T. -0.026 min
 Lab File: BG061080.D
 Acq: 1 May 2024 17:28

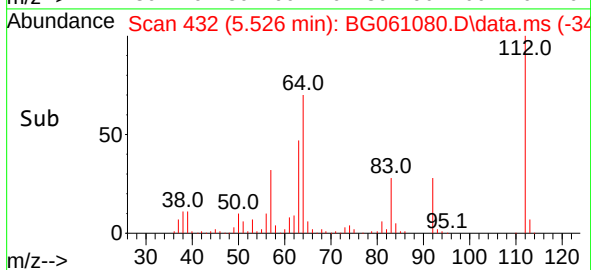
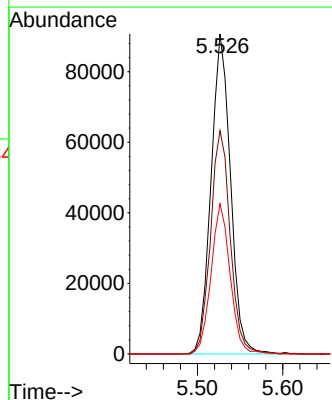
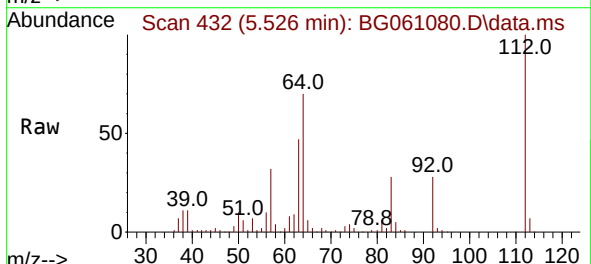
Instrument :
 BNA_G
 ClientSampleId :

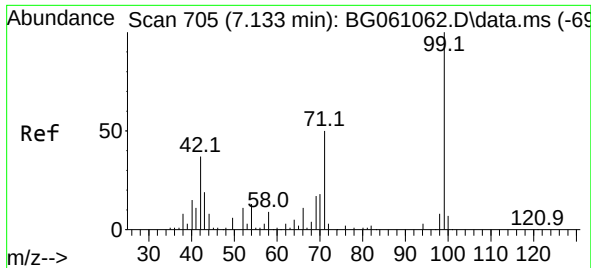
Tgt Ion:152 Resp: 29862
 Ion Ratio Lower Upper
 152 100
 150 167.5 138.3 207.5
 115 68.1 48.0 72.0



#5
 2-Fluorophenol
 Concen: 97.920 ng
 RT: 5.526 min Scan# 432
 Delta R.T. -0.020 min
 Lab File: BG061080.D
 Acq: 1 May 2024 17:28

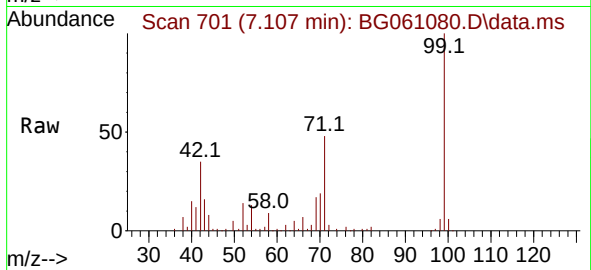
Tgt Ion:112 Resp: 143779
 Ion Ratio Lower Upper
 112 100
 64 69.7 55.7 83.5
 63 46.9 38.1 57.1





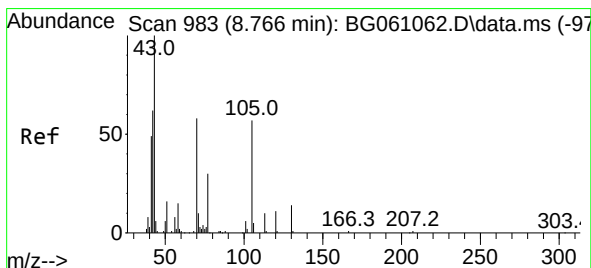
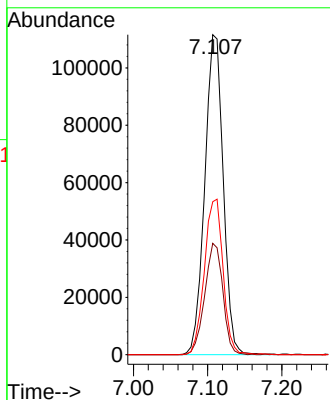
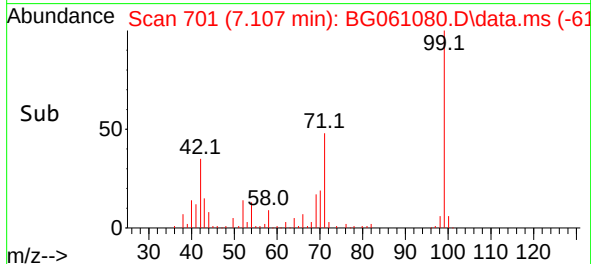
#7
Phenol-d6
Concen: 88.707 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :
BNA_G
ClientSampleId :

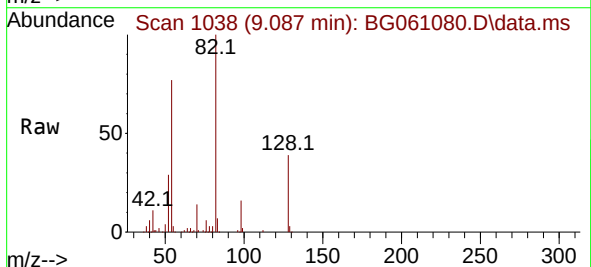


Tgt Ion: 99 Resp: 192682

Ion	Ratio	Lower	Upper
99	100		
42	34.8	29.2	43.8
71	47.8	39.7	59.5

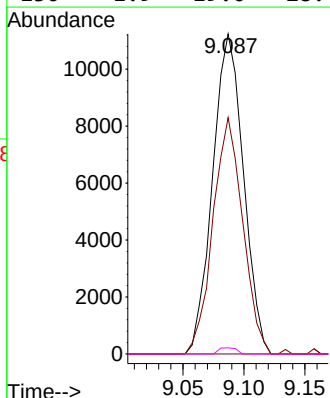
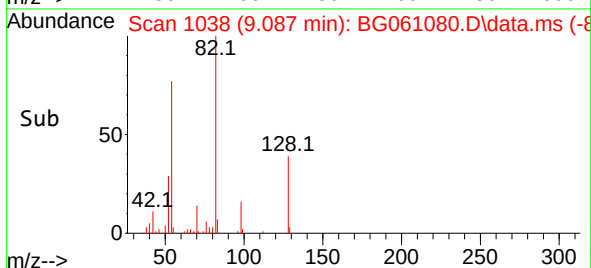


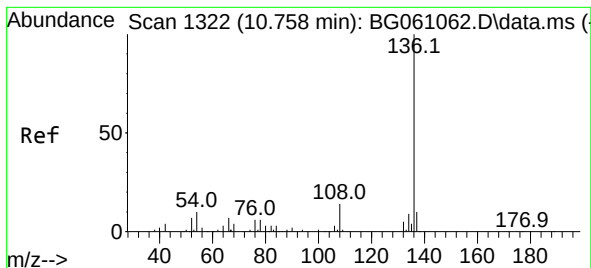
#19
n-Nitroso-di-n-propylamine
Concen: 12.147 ng
RT: 9.087 min Scan# 1038
Delta R.T. 0.321 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28



Tgt Ion: 70 Resp: 19746

Ion	Ratio	Lower	Upper
70	100		
42	73.9	86.4	129.6#
101	0.0	7.8	11.8#
130	1.9	19.0	28.4#



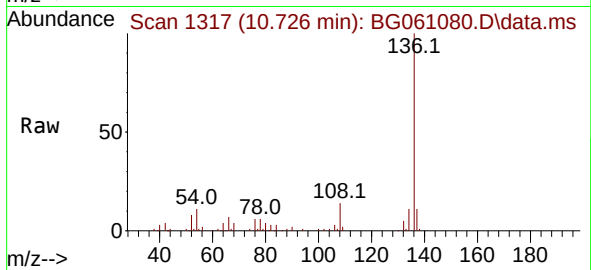


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.032 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

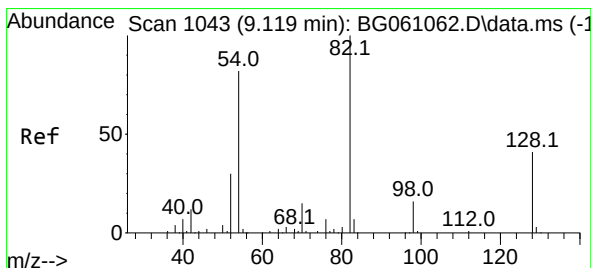
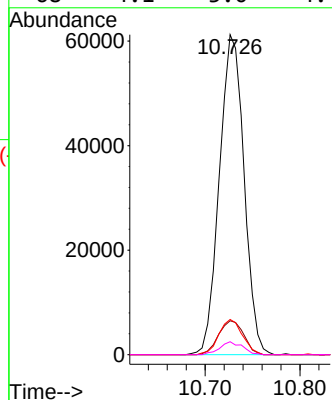
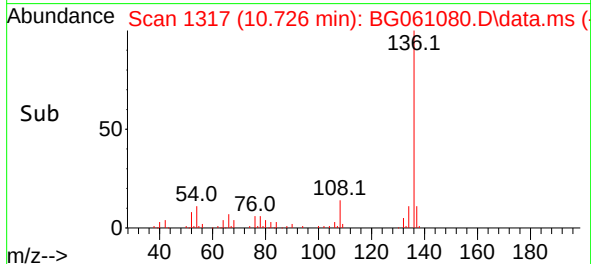
Instrument :

BNA_G

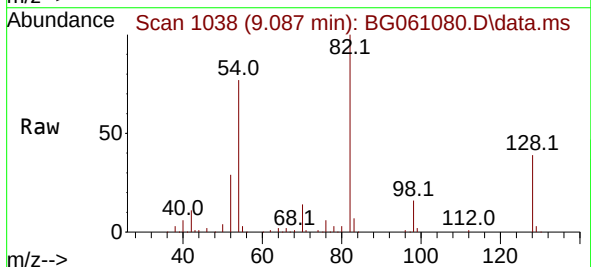
ClientSampleId :



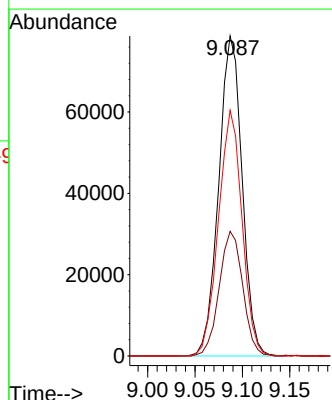
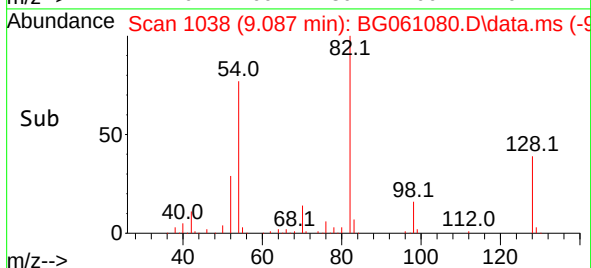
Tgt Ion:136 Resp: 110747
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 11.0 8.1 12.1
68 4.1 3.0 4.4

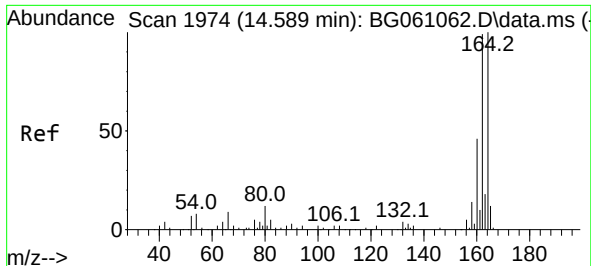


#23
Nitrobenzene-d5
Concen: 60.513 ng
RT: 9.087 min Scan# 1038
Delta R.T. -0.032 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28



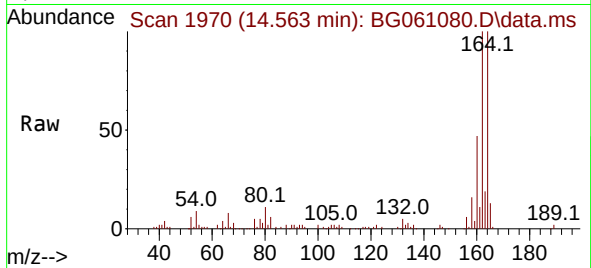
Tgt Ion: 82 Resp: 135189
Ion Ratio Lower Upper
82 100
128 39.0 32.7 49.1
54 76.8 65.6 98.4



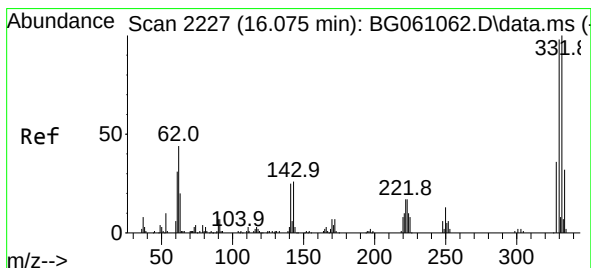
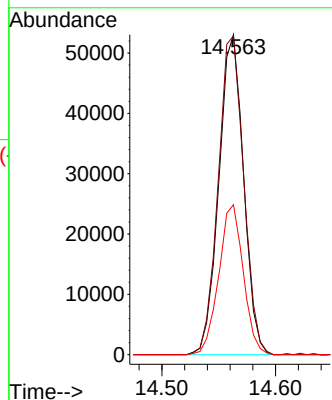
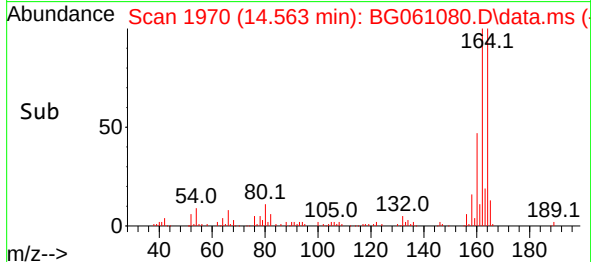


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1974
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

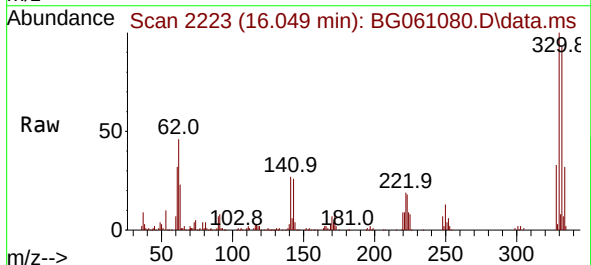
Instrument :
BNA_G
ClientSampleId :



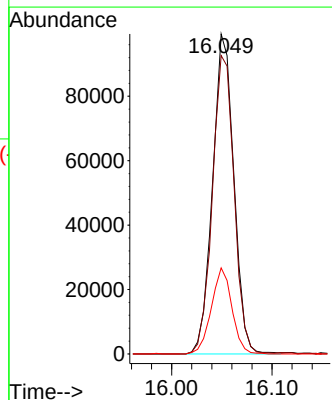
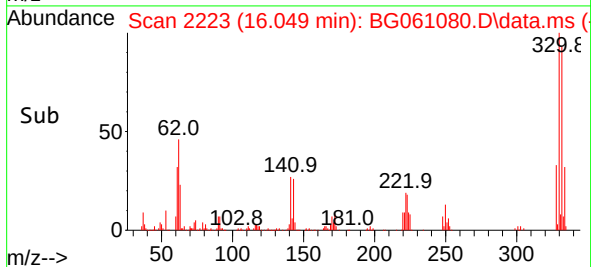
Tgt Ion:164 Resp: 79931
Ion Ratio Lower Upper
164 100
162 99.7 79.4 119.2
160 46.8 37.0 55.6

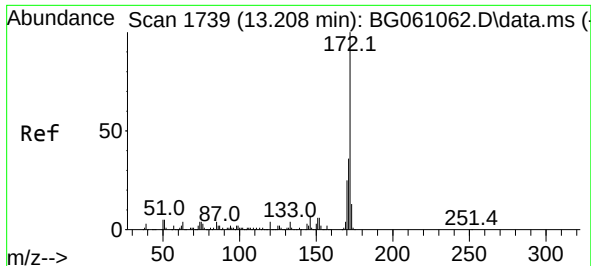


#42
2,4,6-Tribromophenol
Concen: 91.684 ng
RT: 16.049 min Scan# 2223
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28



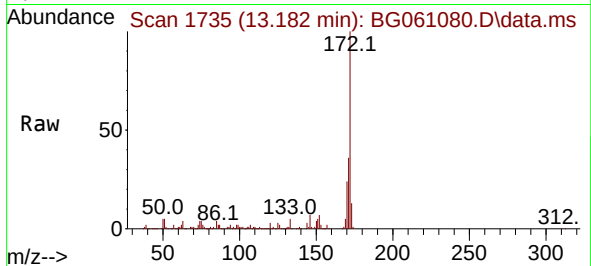
Tgt Ion:330 Resp: 146482
Ion Ratio Lower Upper
330 100
332 95.2 78.6 117.8
141 26.0 20.5 30.7



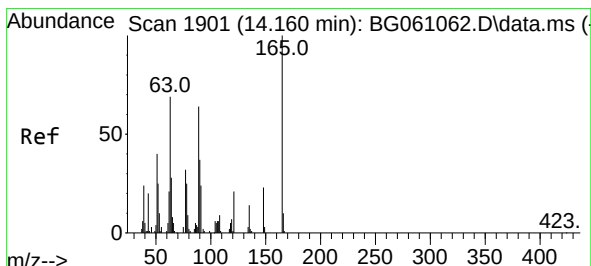
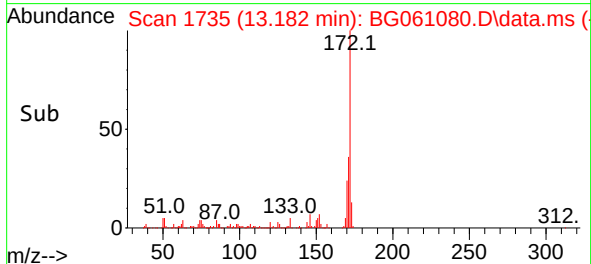
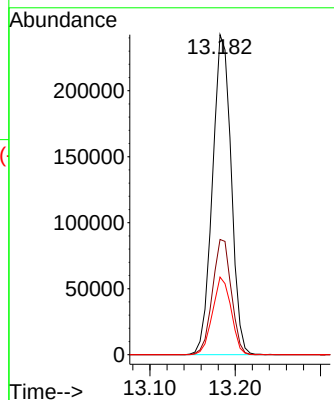


#45
2-Fluorobiphenyl
Concen: 68.436 ng
RT: 13.182 min Scan# 1
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :
BNA_G
ClientSampleId :

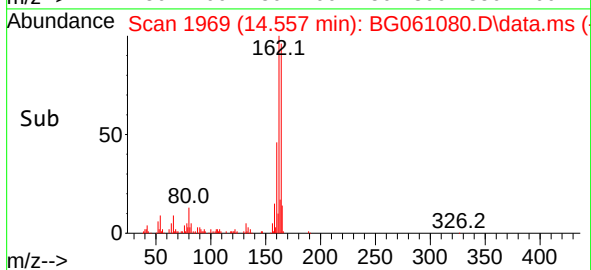
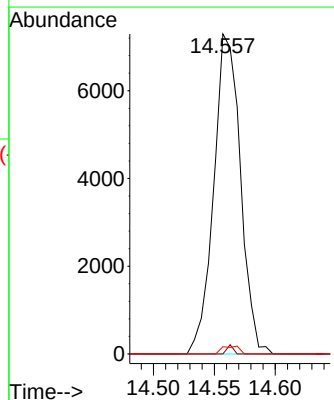
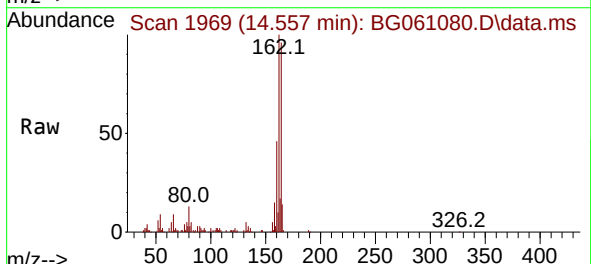


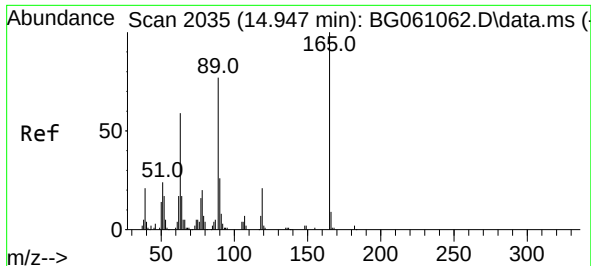
Tgt Ion:172 Resp: 369929
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 24.3 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.412 ng
RT: 14.557 min Scan# 1969
Delta R.T. 0.397 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

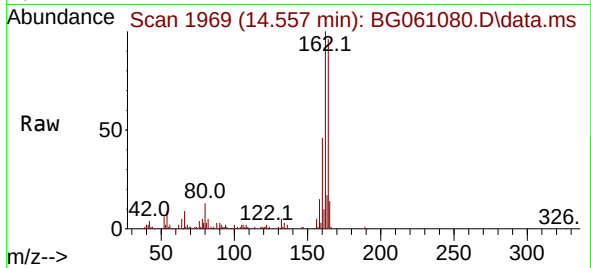
Tgt Ion:165 Resp: 11108
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.2 50.9 76.3#



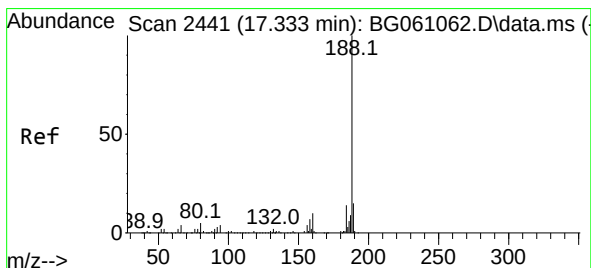
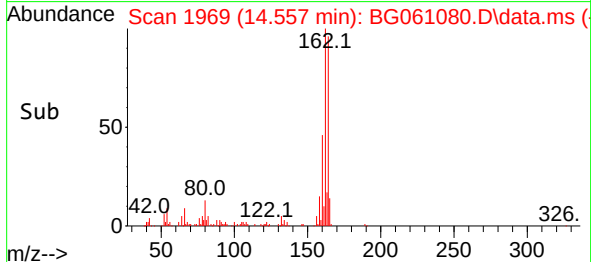
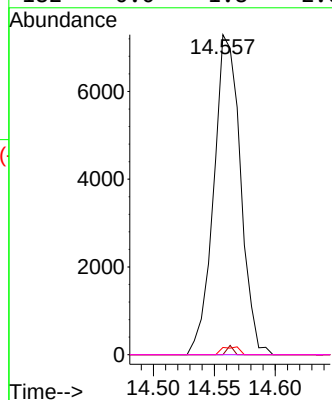


#57
2,4-Dinitrotoluene
Concen: 5.686 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.390 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Instrument :
BNA_G
ClientSampleId :

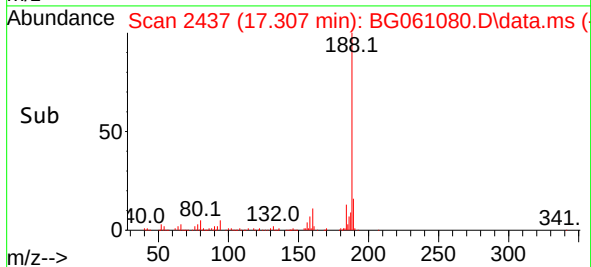
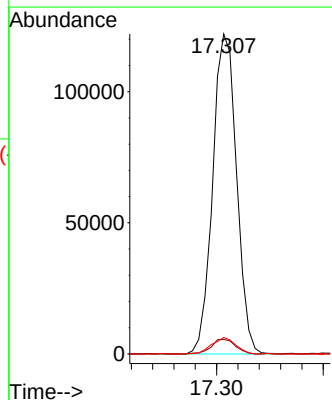
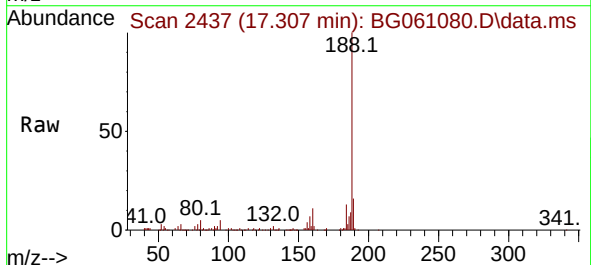


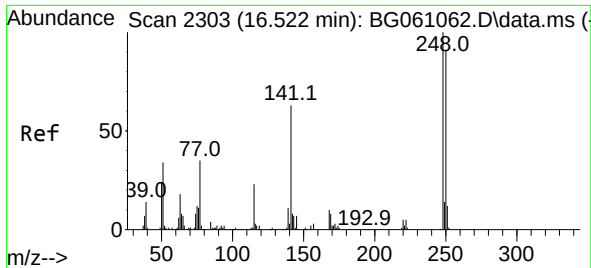
Tgt Ion:165 Resp: 11108
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.2 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2437
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Tgt Ion:188 Resp: 189603
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 5.2 4.2 6.2

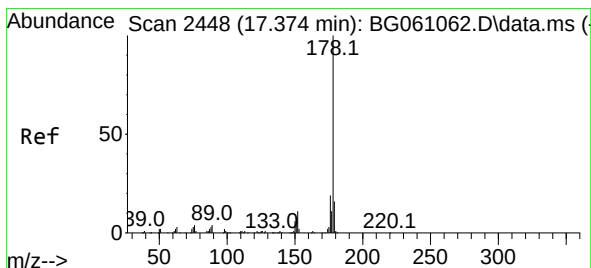
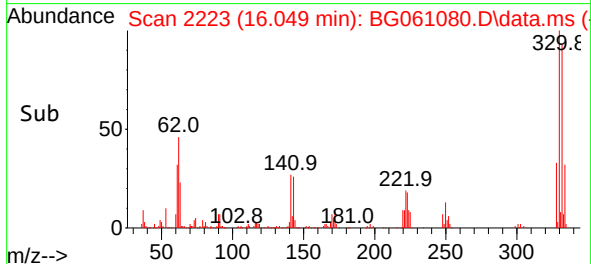
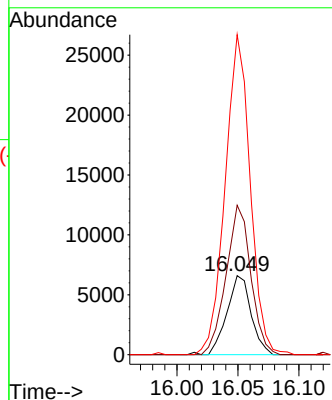
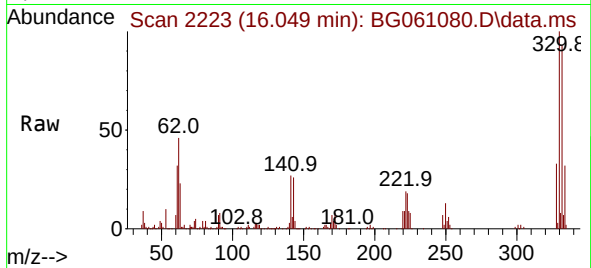




#67
4-Bromophenyl-phenylether
Concen: 4.082 ng
RT: 16.049 min Scan# 211
Delta R.T. -0.473 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

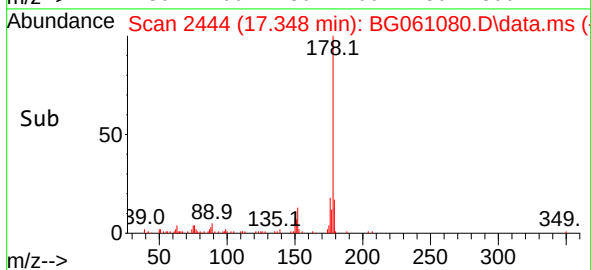
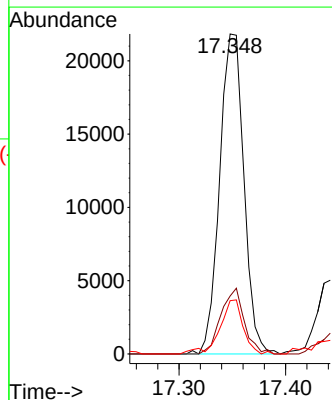
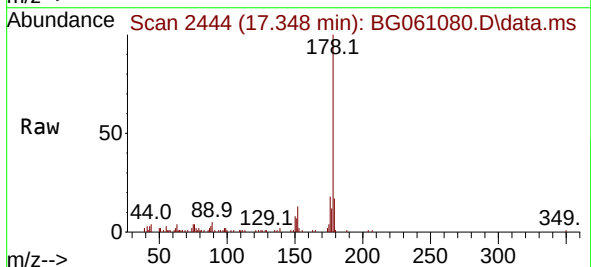
Instrument :
BNA_G
ClientSampleId :

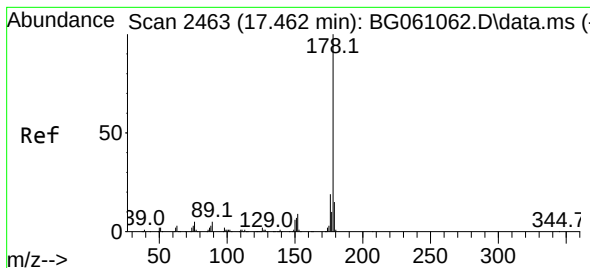
Tgt Ion:248 Resp: 9118
Ion Ratio Lower Upper
248 100
250 188.8 73.0 109.4#
141 404.4 50.8 76.2#



#71
Phenanthrene
Concen: 3.979 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Tgt Ion:178 Resp: 34493
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.7 12.6 19.0





#72

Anthracene

Concen: 3.987 ng

RT: 17.348 min Scan# 24

Delta R.T. -0.114 min

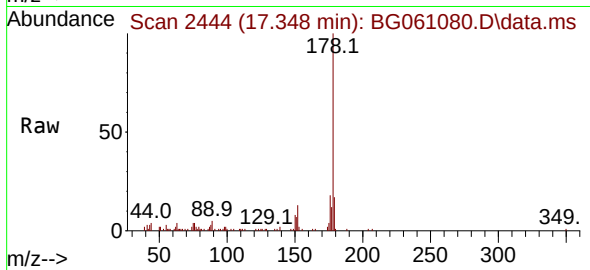
Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :



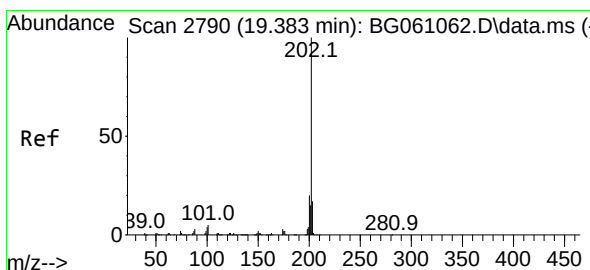
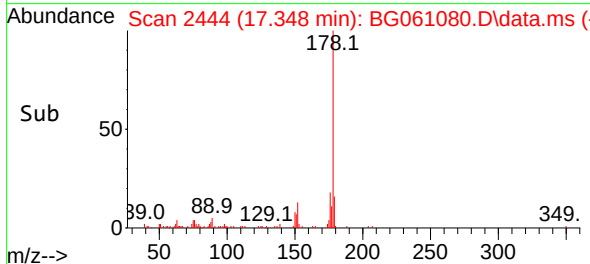
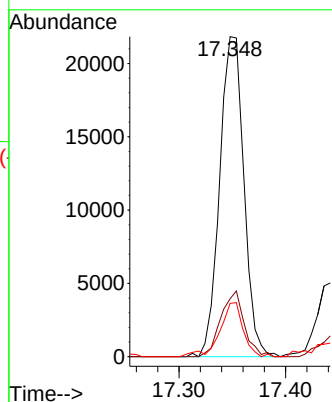
Tgt Ion:178 Resp: 34493

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

179 16.7 12.0 18.0



#75

Fluoranthene

Concen: 7.234 ng

RT: 19.363 min Scan# 2787

Delta R.T. -0.020 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

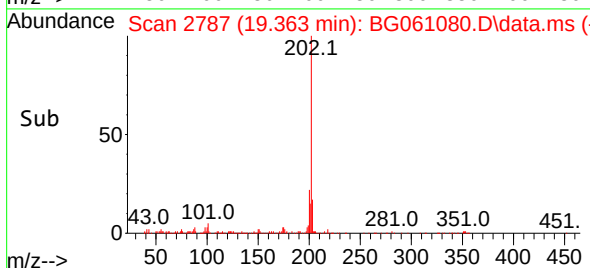
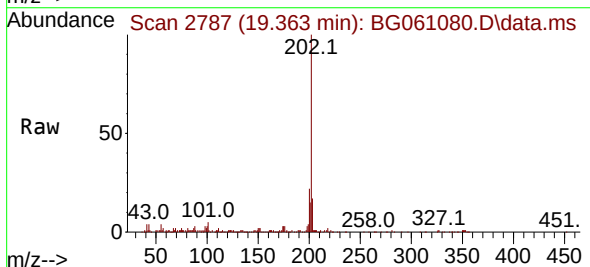
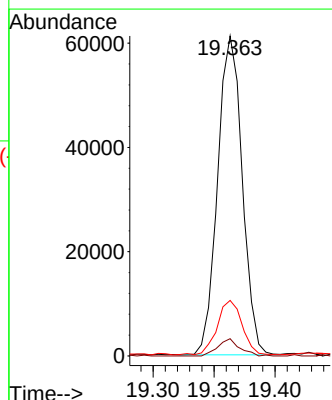
Tgt Ion:202 Resp: 85913

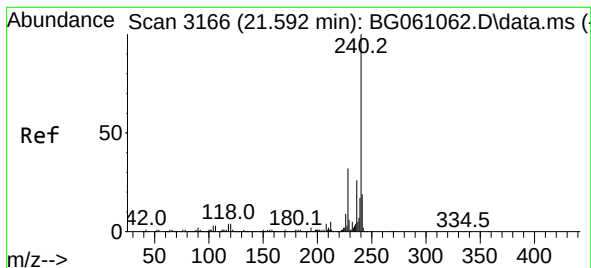
Ion Ratio Lower Upper

202 100

101 6.1 0.0 24.7

203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3166

Delta R.T. -0.026 min

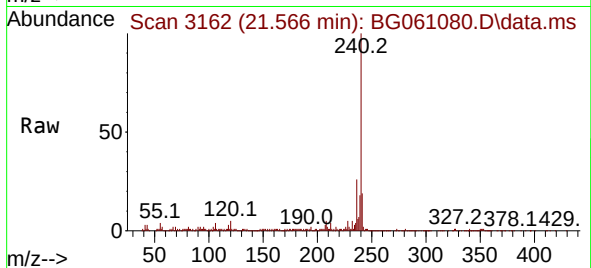
Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :



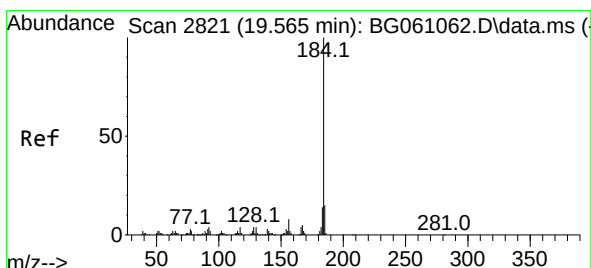
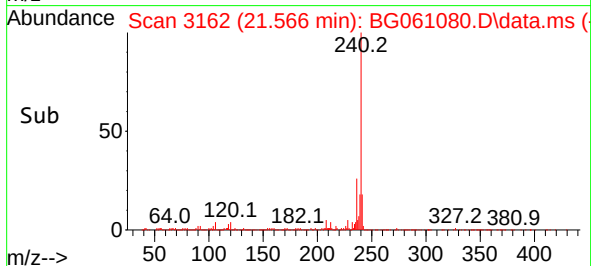
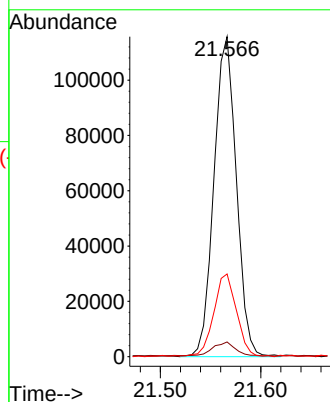
Tgt Ion:240 Resp: 179103

Ion Ratio Lower Upper

240 100

120 4.6 3.2 4.8

236 25.9 21.0 31.6



#77

Benzidine

Concen: 2.895 ng

RT: 19.522 min Scan# 2814

Delta R.T. -0.043 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

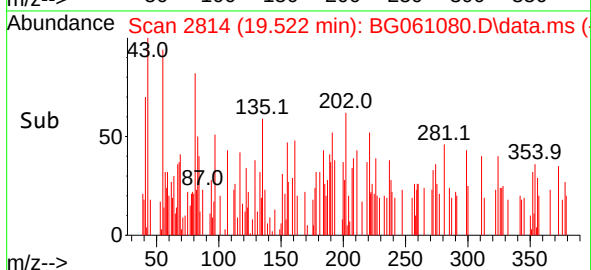
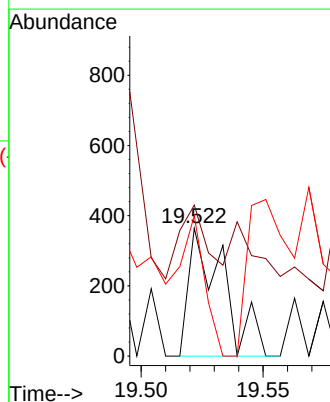
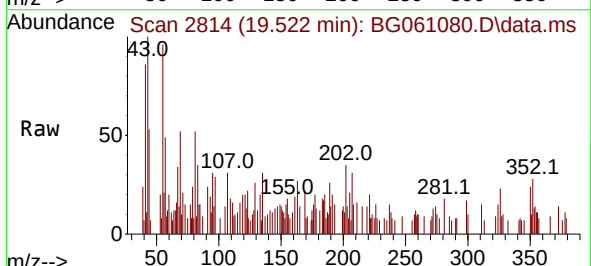
Tgt Ion:184 Resp: 360

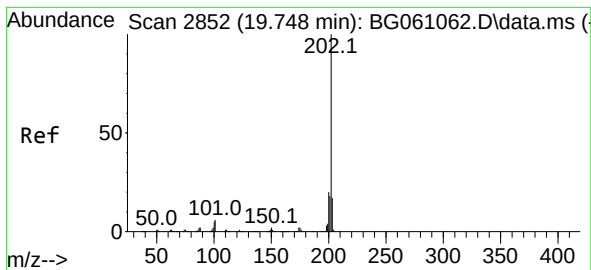
Ion Ratio Lower Upper

184 100

185 118.1 12.0 18.0#

183 109.9 10.9 16.3#





#78

Pyrene

Concen: 6.848 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.020 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

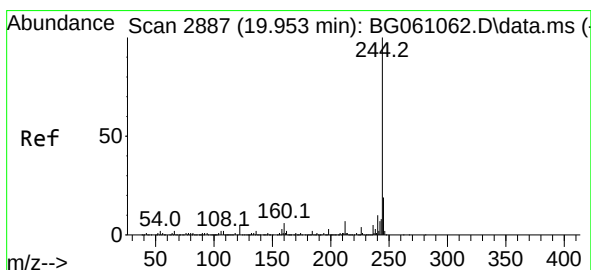
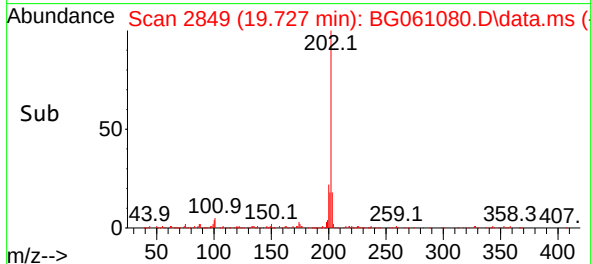
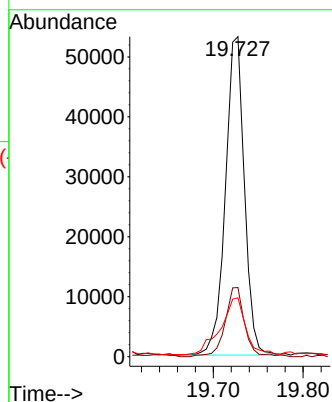
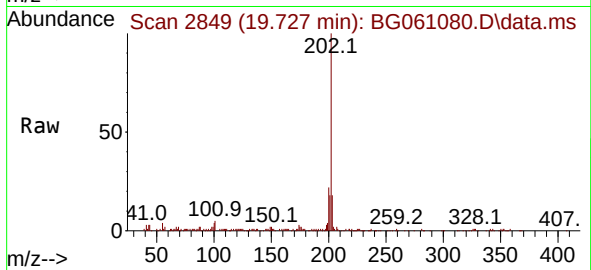
Tgt Ion:202 Resp: 77974

Ion Ratio Lower Upper

202 100

200 21.6 16.2 24.4

203 18.4 13.3 19.9



#79

Terphenyl-d14

Concen: 62.712 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.026 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

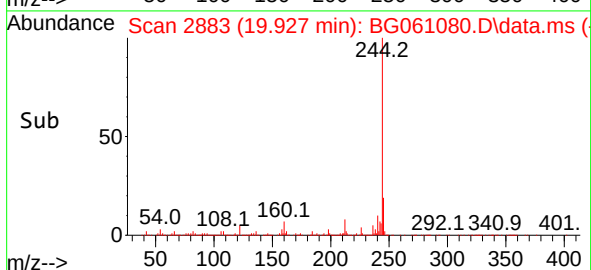
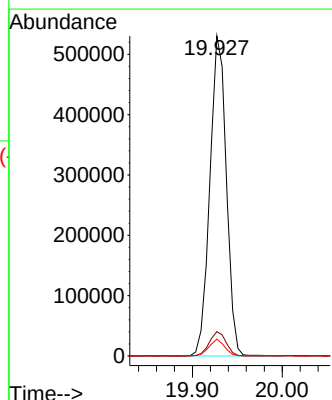
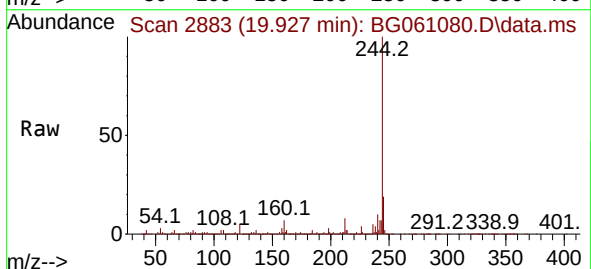
Tgt Ion:244 Resp: 675339

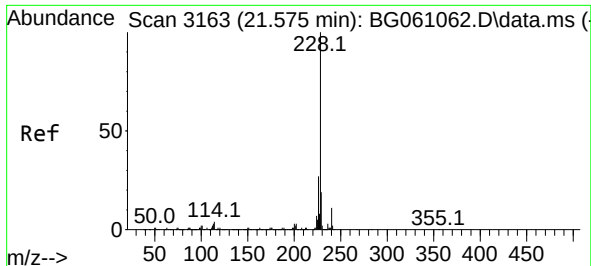
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 5.2 4.2 6.2

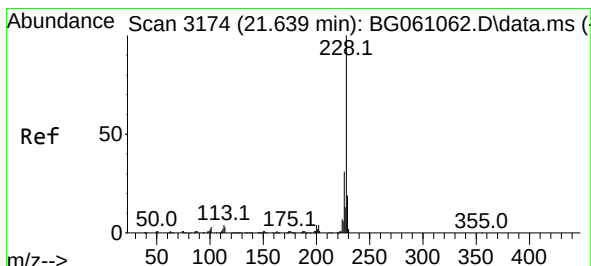
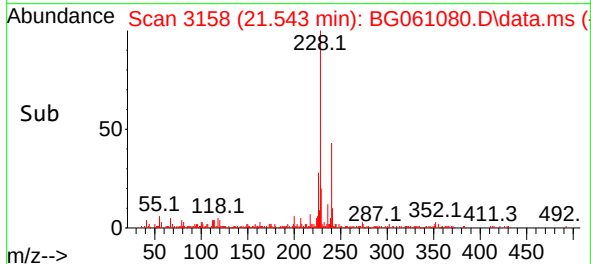
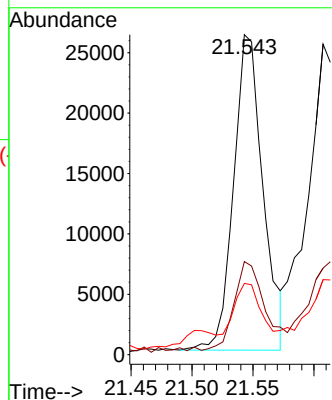
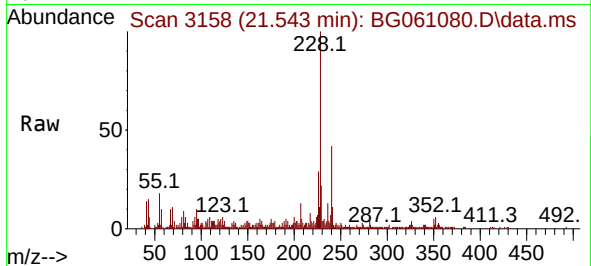




#81
Benzo(a)anthracene
Concen: 3.739 ng
RT: 21.543 min Scan# 3163
Delta R.T. -0.032 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

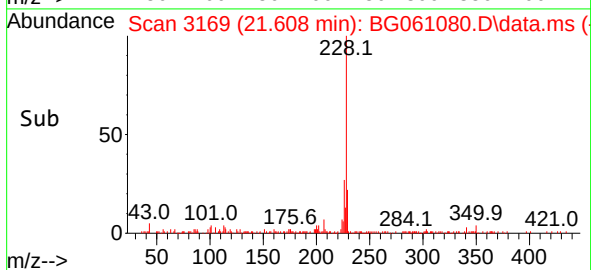
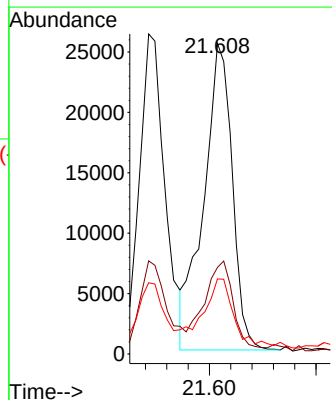
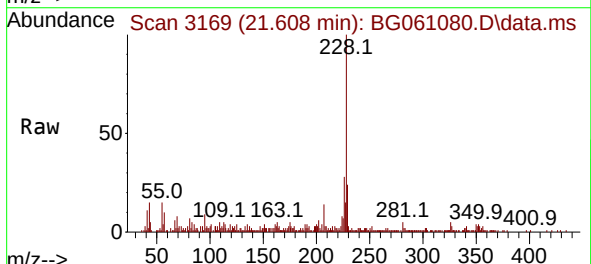
Instrument :
BNA_G
ClientSampleId :

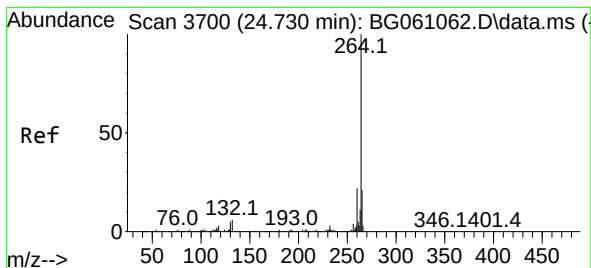
Tgt Ion:228 Resp: 43820
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 22.2 15.0 22.4



#83
Chrysene
Concen: 4.312 ng
RT: 21.608 min Scan# 3169
Delta R.T. -0.032 min
Lab File: BG061080.D
Acq: 1 May 2024 17:28

Tgt Ion:228 Resp: 47344
Ion Ratio Lower Upper
228 100
226 27.9 24.4 36.6
229 24.2 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

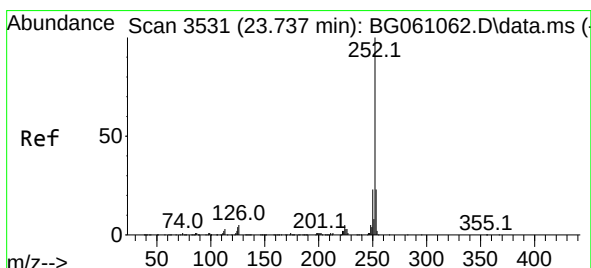
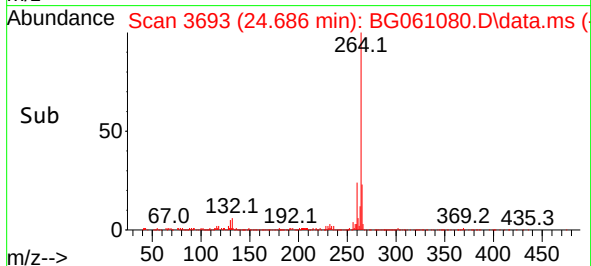
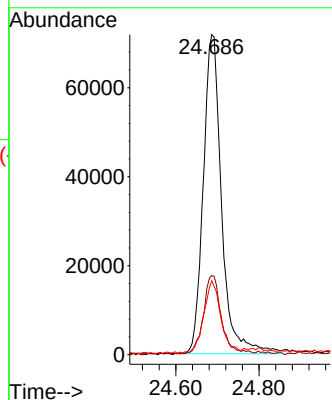
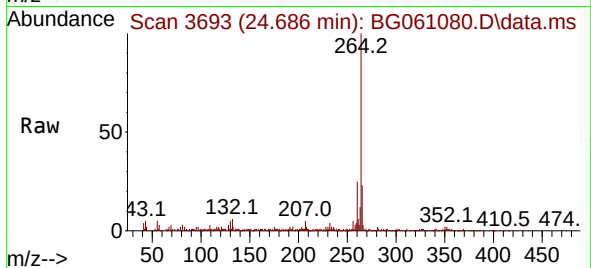
Tgt Ion:264 Resp: 219614

Ion Ratio Lower Upper

264 100

260 24.7 17.7 26.5

265 23.1 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 5.399 ng

RT: 23.699 min Scan# 3525

Delta R.T. -0.038 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

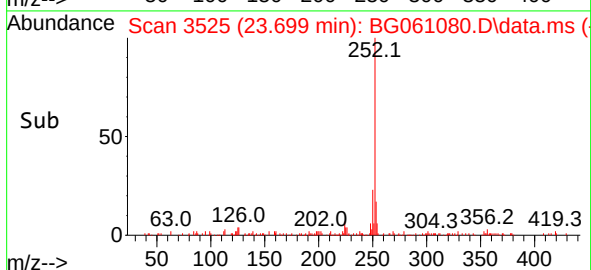
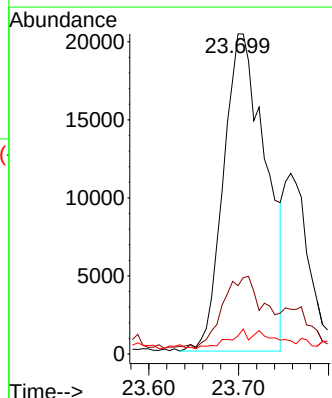
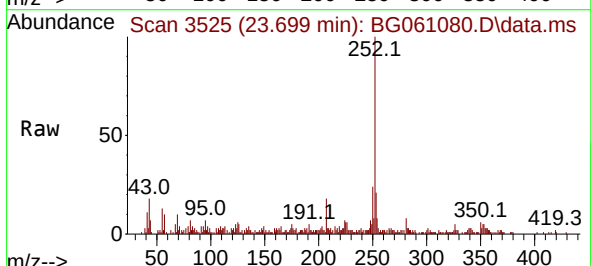
Tgt Ion:252 Resp: 66261

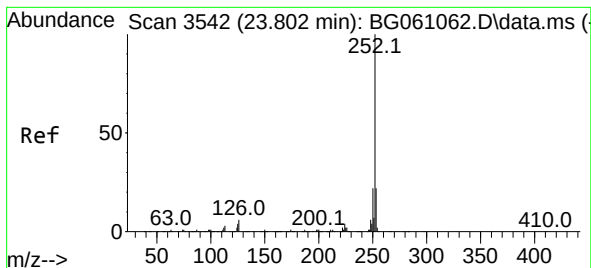
Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

125 5.6 3.4 5.0#





#89

Benzo(k)fluoranthene

Concen: 5.612 ng

RT: 23.699 min Scan# 3

Delta R.T. -0.102 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

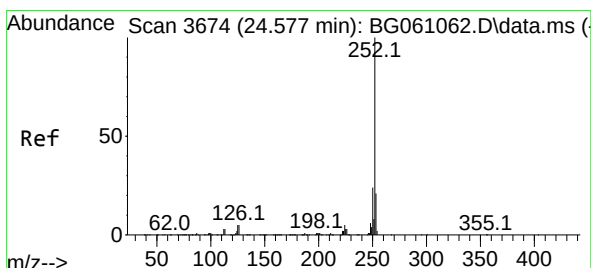
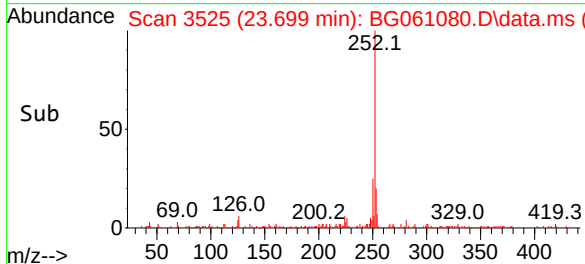
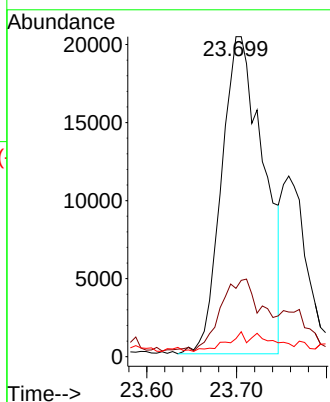
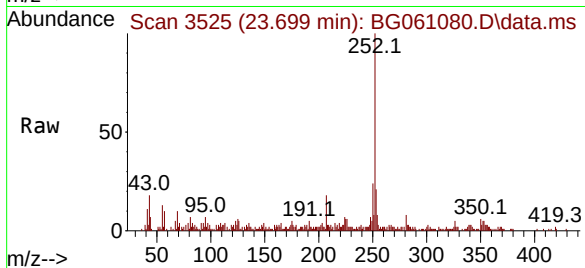
Tgt Ion:252 Resp: 66261

Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 5.6 3.2 4.8#



#90

Benzo(a)pyrene

Concen: 4.044 ng

RT: 24.539 min Scan# 3668

Delta R.T. -0.038 min

Lab File: BG061080.D

Acq: 1 May 2024 17:28

Tgt Ion:252 Resp: 43237

Ion Ratio Lower Upper

252 100

253 25.7 16.9 25.3#

125 6.4 3.8 5.8#

