

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061084.D
 Acq On : 1 May 2024 20:13
 Operator : MA/JU
 Sample : P2307-05DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 05:37:04 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)

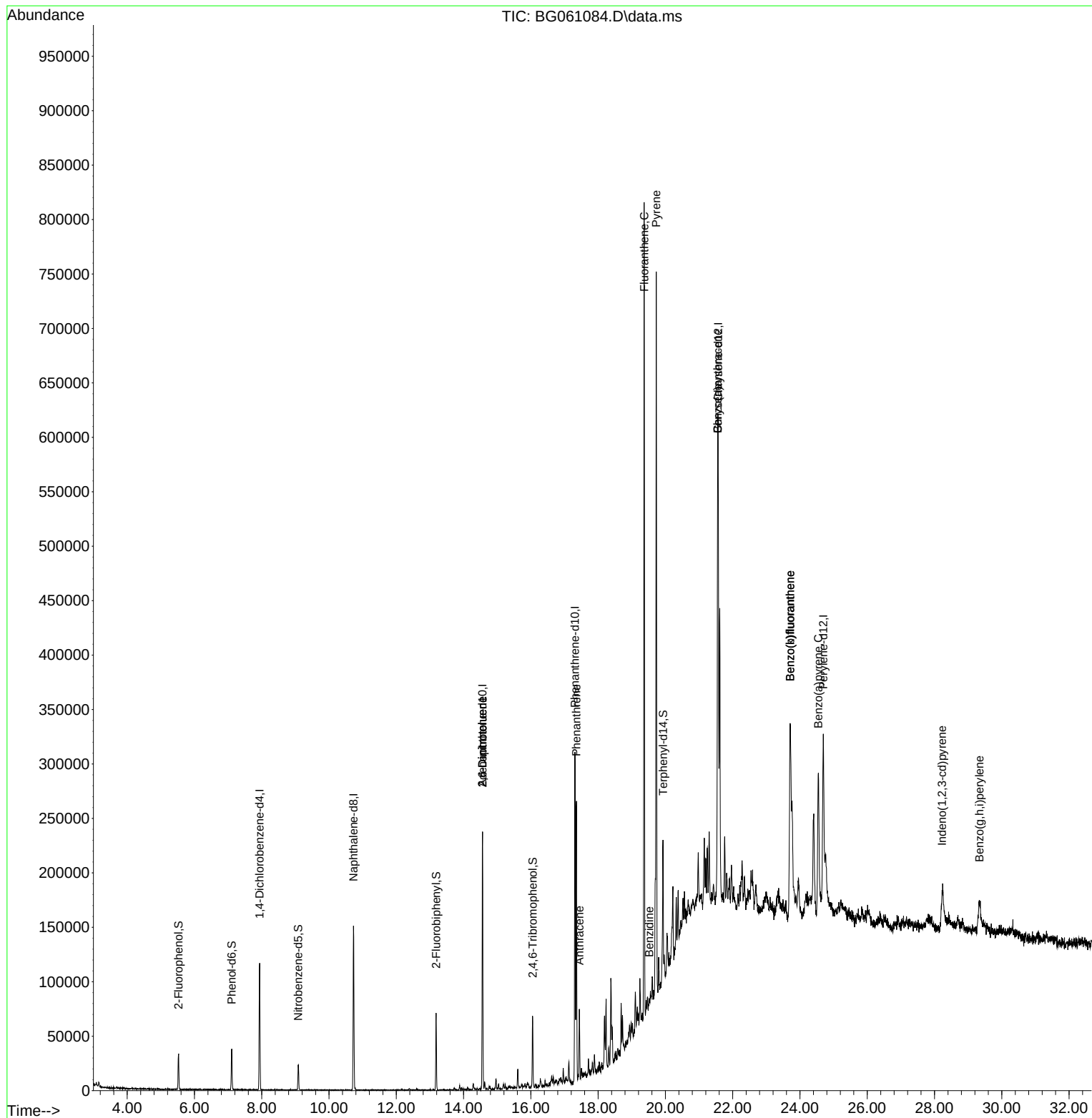
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	30598	20.000	ng	-0.02
21) Naphthalene-d8	10.728	136	116672	20.000	ng	-0.03
39) Acenaphthene-d10	14.565	164	88587	20.000	ng	-0.02
64) Phenanthrene-d10	17.309	188	197187	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	186844	20.000	ng	-0.02
86) Perylene-d12	24.694	264	210974	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	12230	8.129	ng	-0.02
7) Phenol-d6	7.109	99	16487	7.408	ng	-0.02
23) Nitrobenzene-d5	9.083	82	12475	5.300	ng	-0.04
42) 2,4,6-Tribromophenol	16.057	330	13124	7.412	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	36274	6.055	ng	-0.02
79) Terphenyl-d14	19.929	244	60979	5.428	ng	-0.02
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.565	165	11686	7.985	ng	# 17
57) 2,4-Dinitrotoluene	14.565	165	11686	5.397	ng	# 18
71) Phenanthrene	17.356	178	163022	18.081	ng	98
72) Anthracene	17.444	178	42623	4.738	ng	99
75) Fluoranthene	19.371	202	497937	40.312	ng	97
77) Benzidine	19.524	184	530	2.936	ng	# 6
78) Pyrene	19.729	202	442789	37.276	ng	99
81) Benzo(a)anthracene	21.551	228	231653	18.947	ng	98
83) Chrysene	21.551	228	231653	20.223	ng	94
87) Indeno(1,2,3-cd)pyrene	28.225	276	81593	5.836	ng	# 94
88) Benzo(b)fluoranthene	23.713	252	241127	20.453	ng	98
89) Benzo(k)fluoranthene	23.713	252	241127	21.260	ng	99
90) Benzo(a)pyrene	24.547	252	172174	16.763	ng	92
92) Benzo(g,h,i)perylene	29.336	276	67439	5.861	ng	96

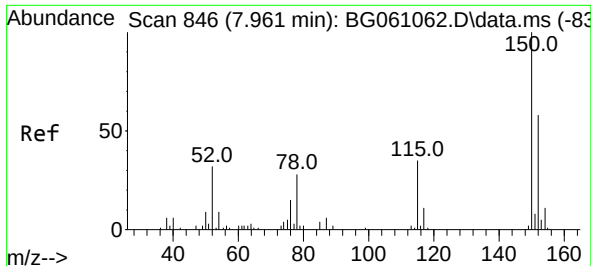
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061084.D
Acq On : 1 May 2024 20:13
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Instrument :
BNA_G
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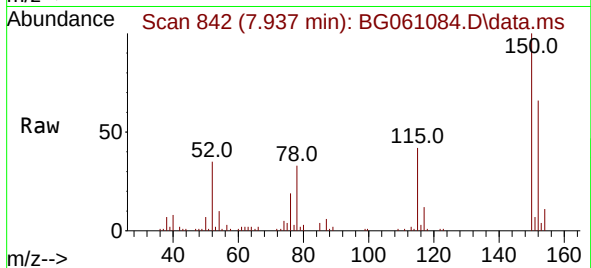
Quant Time: May 02 05:37:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



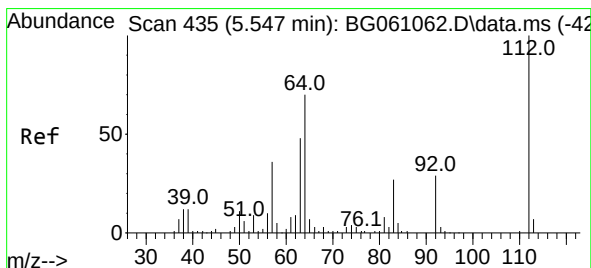
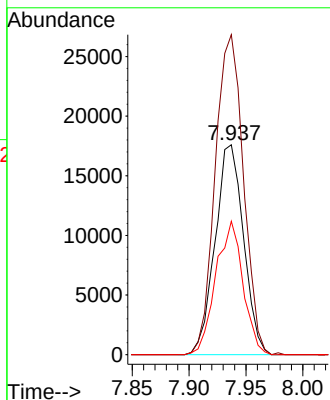
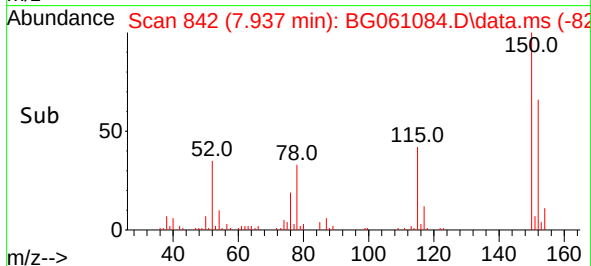


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Instrument :
BNA_G
ClientSampleId :

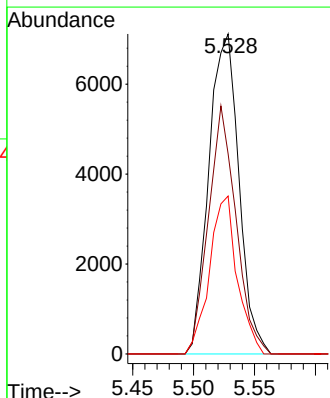
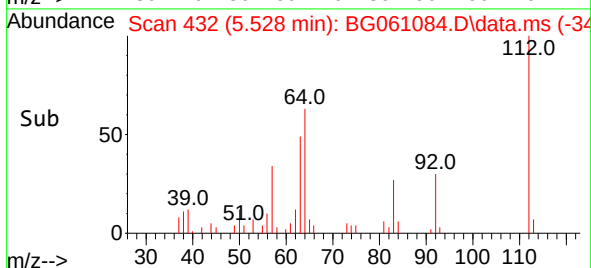
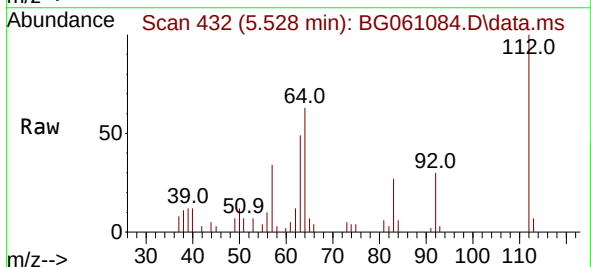


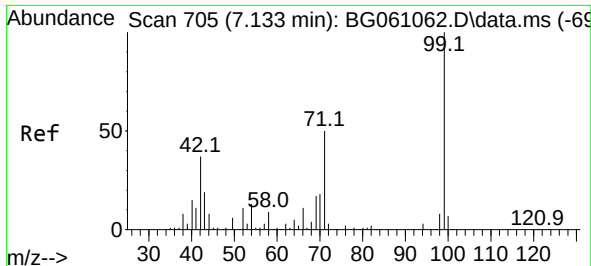
Tgt Ion:152 Resp: 30598
Ion Ratio Lower Upper
152 100
150 152.5 138.3 207.5
115 63.6 48.0 72.0



#5
2-Fluorophenol
Concen: 8.129 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

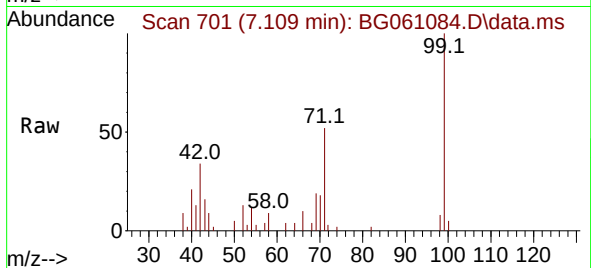
Tgt Ion:112 Resp: 12230
Ion Ratio Lower Upper
112 100
64 62.6 55.7 83.5
63 49.3 38.1 57.1



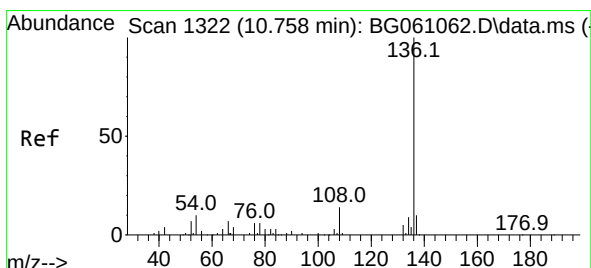
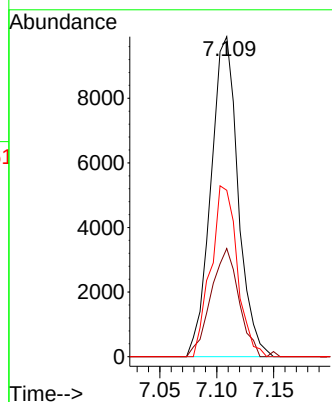
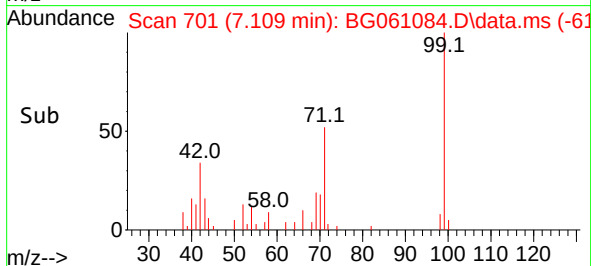


#7
Phenol-d6
Concen: 7.408 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

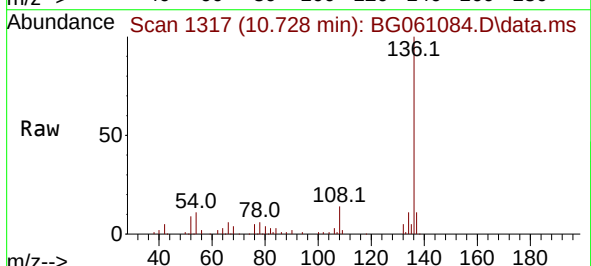
Instrument :
BNA_G
ClientSampleId :



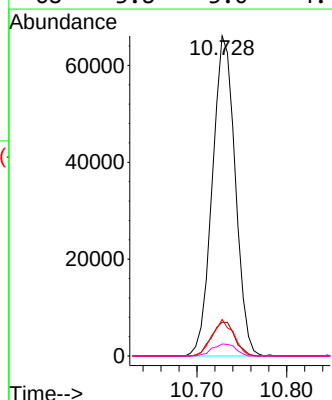
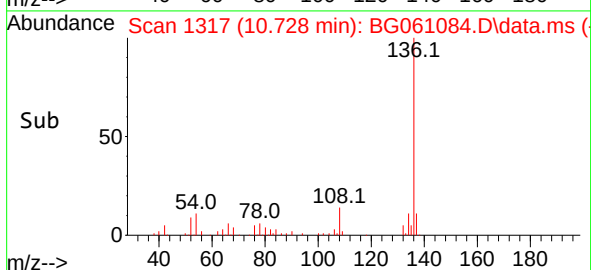
Tgt Ion: 99 Resp: 16487
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 52.0 39.7 59.5

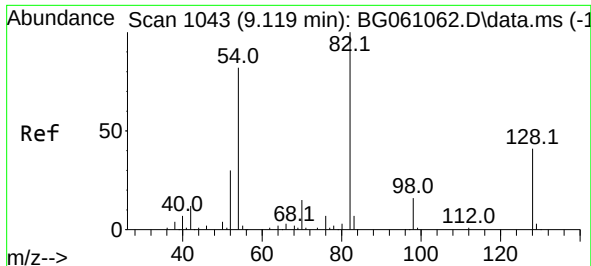


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13



Tgt Ion:136 Resp: 116672
Ion Ratio Lower Upper
136 100
137 10.5 7.8 11.6
54 11.4 8.1 12.1
68 3.8 3.0 4.4





#23

Nitrobenzene-d5

Concen: 5.300 ng

RT: 9.083 min Scan# 1043

Delta R.T. -0.036 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

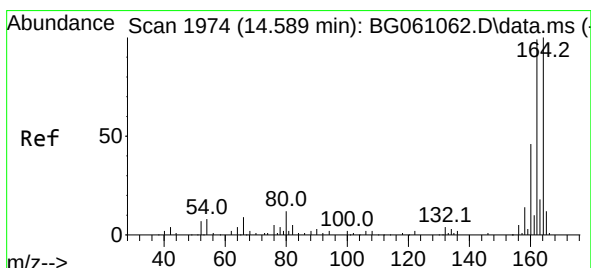
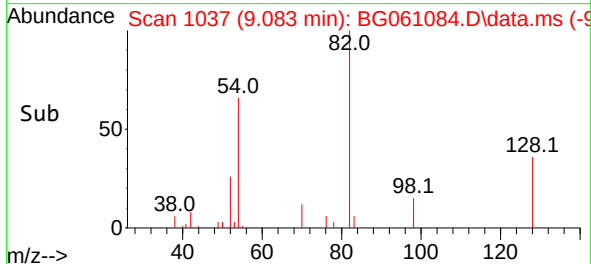
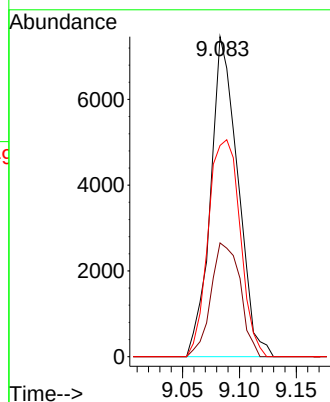
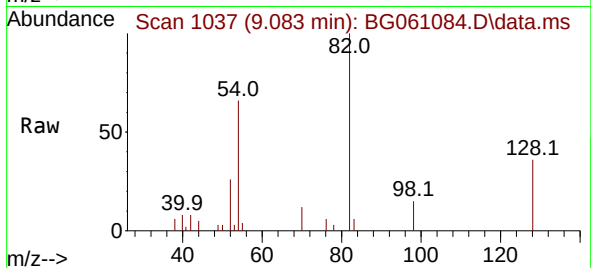
Tgt Ion: 82 Resp: 12475

Ion Ratio Lower Upper

82 100

128 35.5 32.7 49.1

54 66.0 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.565 min Scan# 1970

Delta R.T. -0.024 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

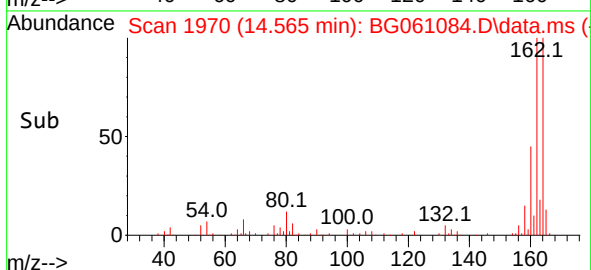
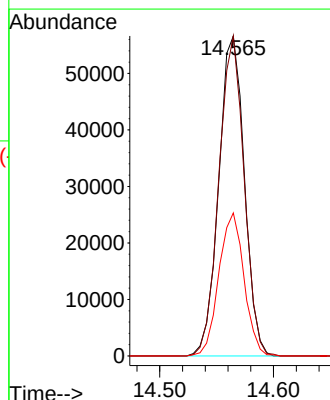
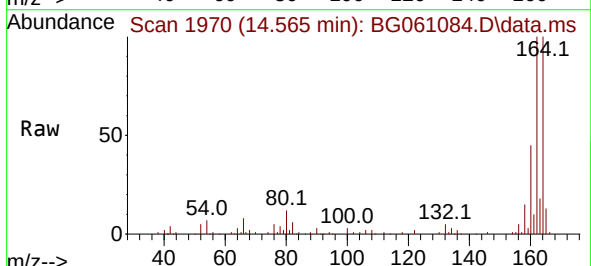
Tgt Ion:164 Resp: 88587

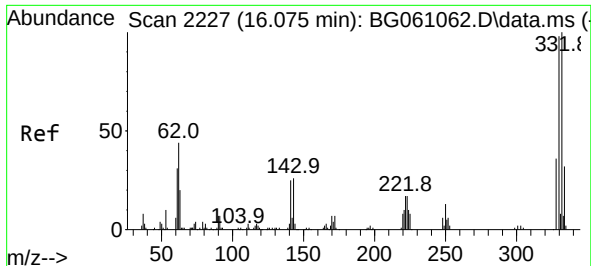
Ion Ratio Lower Upper

164 100

162 100.0 79.4 119.2

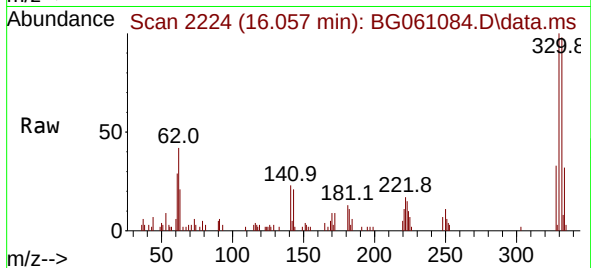
160 44.7 37.0 55.6



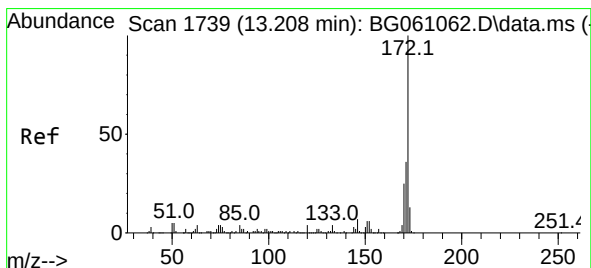
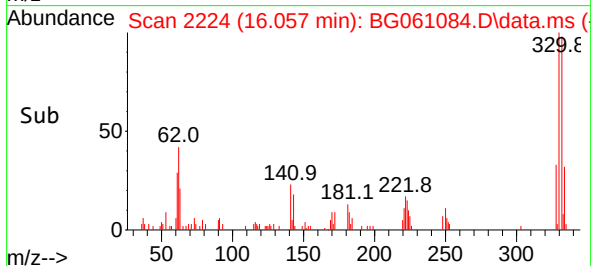
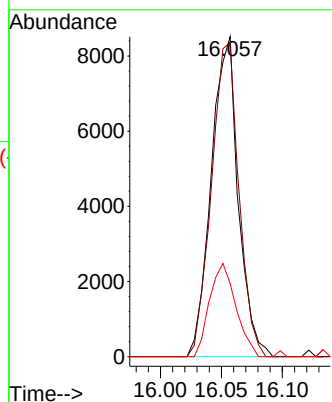


#42
2,4,6-Tribromophenol
Concen: 7.412 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Instrument :
BNA_G
ClientSampleId :

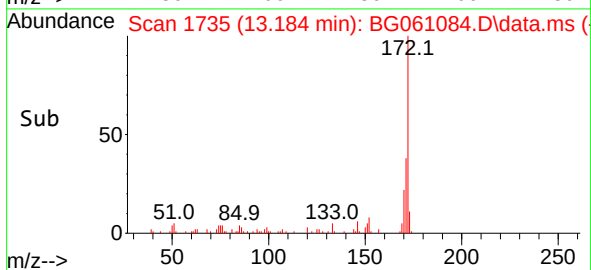
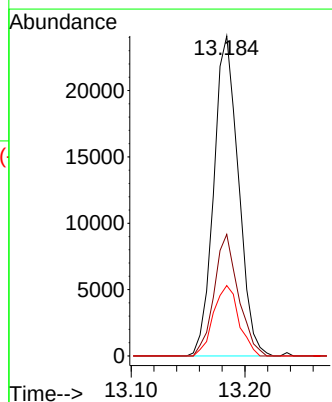
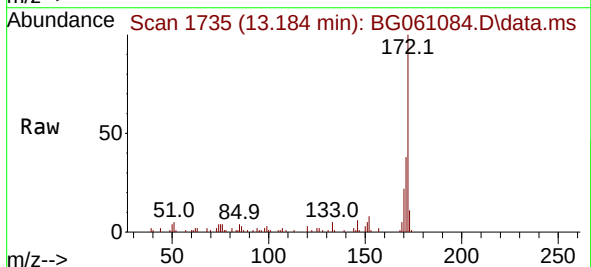


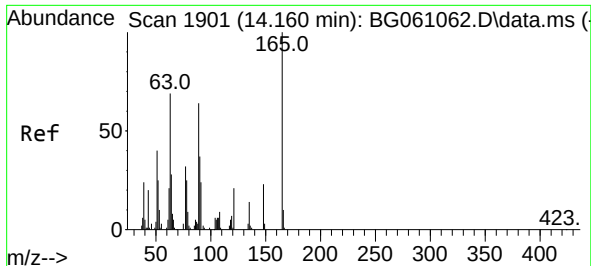
Tgt Ion:330 Resp: 13124
Ion Ratio Lower Upper
330 100
332 99.3 78.6 117.8
141 28.3 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 6.055 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:172 Resp: 36274
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.6
170 22.0 20.2 30.4

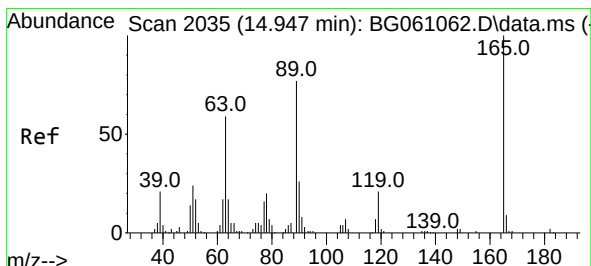
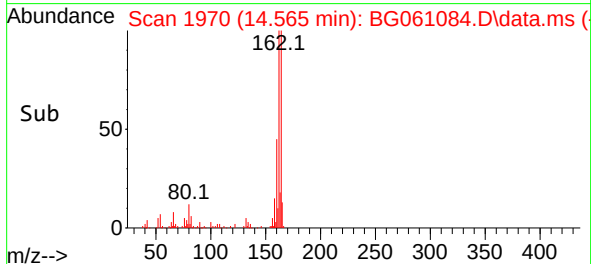
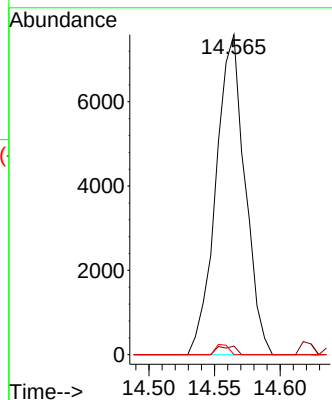
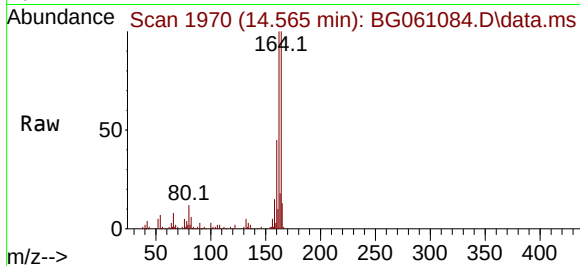




#51
2,6-Dinitrotoluene
Concen: 7.985 ng
RT: 14.565 min Scan# 1901
Delta R.T. 0.405 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

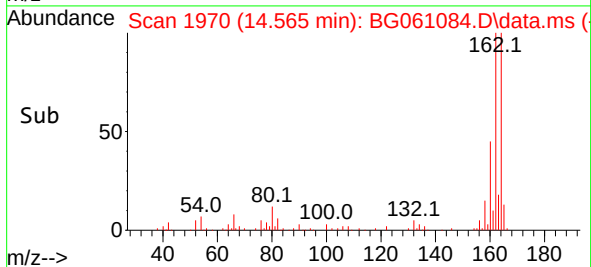
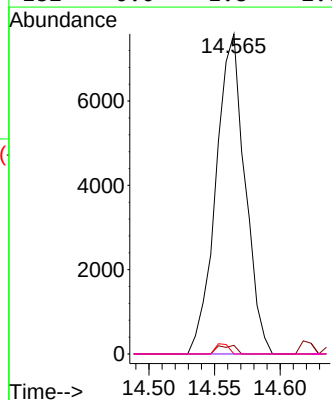
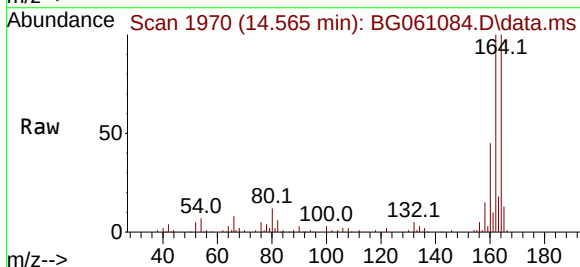
Instrument :
BNA_G
ClientSampleId :

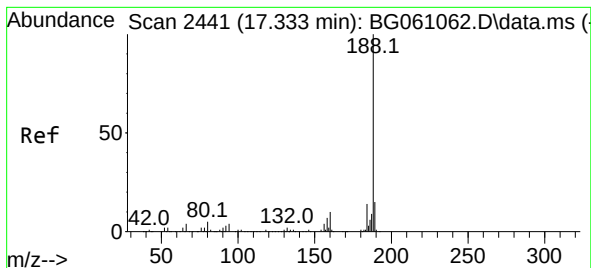
Tgt Ion:165 Resp: 11686
Ion Ratio Lower Upper
165 100
63 2.7 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.397 ng
RT: 14.565 min Scan# 1970
Delta R.T. -0.383 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:165 Resp: 11686
Ion Ratio Lower Upper
165 100
63 2.7 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: 17.309 min Scan# 24

Delta R.T. -0.024 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

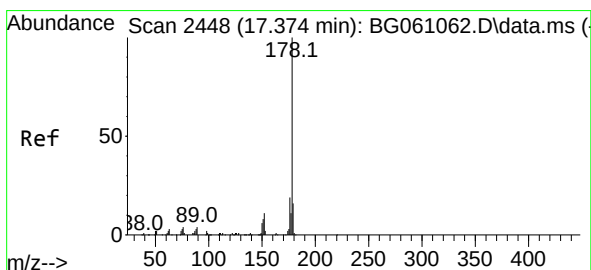
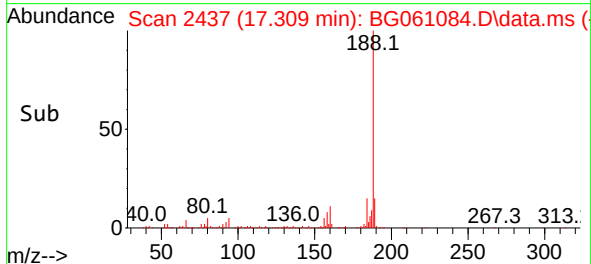
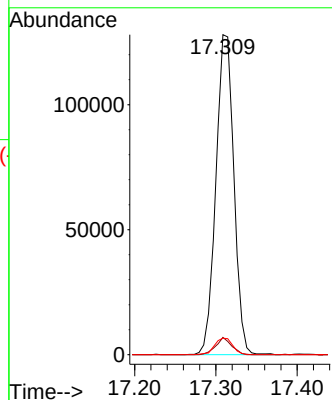
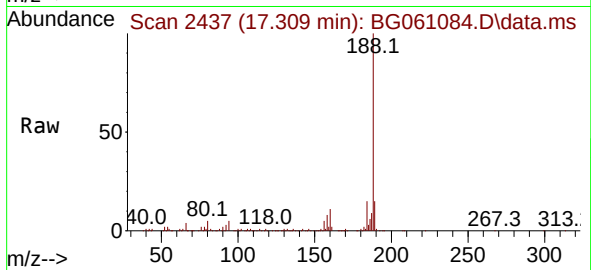
Tgt Ion:188 Resp: 197187

Ion Ratio Lower Upper

188 100

94 5.4 3.6 5.4

80 5.1 4.2 6.2



#71

Phenanthrene

Concen: 18.081 ng

RT: 17.356 min Scan# 2445

Delta R.T. -0.018 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

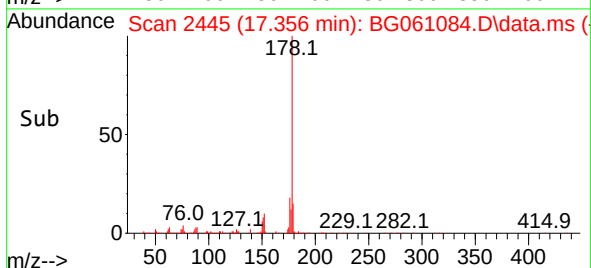
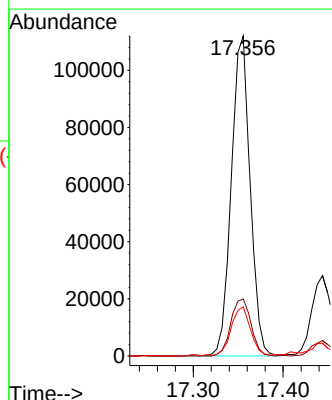
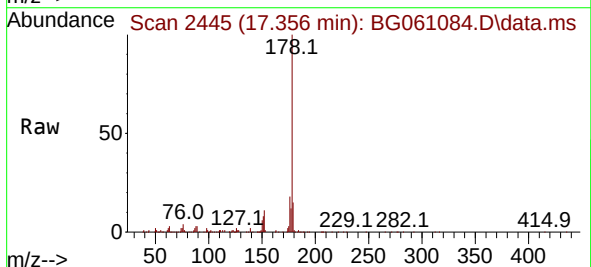
Tgt Ion:178 Resp: 163022

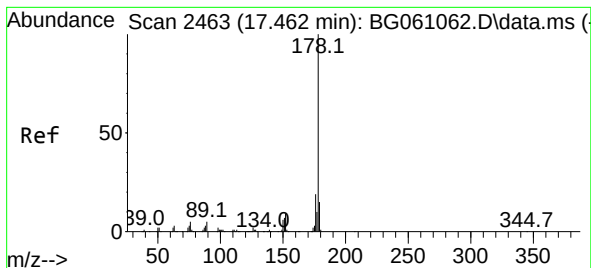
Ion Ratio Lower Upper

178 100

176 17.8 15.5 23.3

179 15.4 12.6 19.0





#72

Anthracene

Concen: 4.738 ng

RT: 17.444 min Scan# 24

Delta R.T. -0.018 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

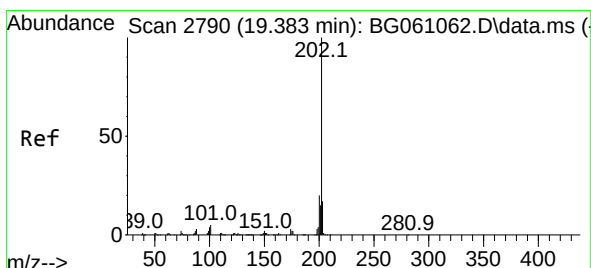
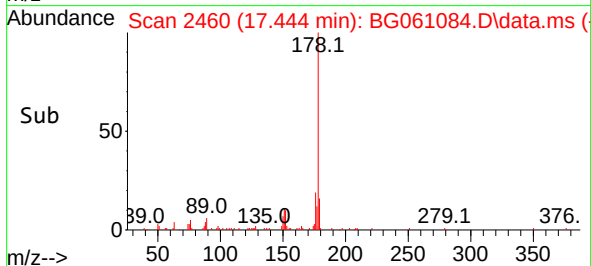
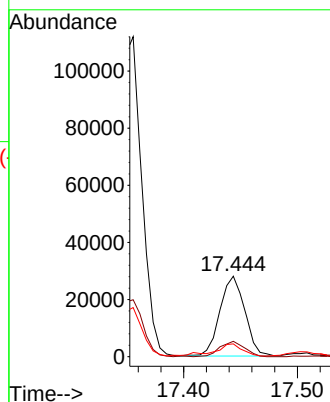
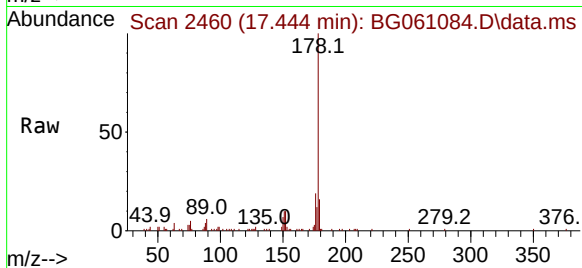
Tgt Ion:178 Resp: 42623

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.6

179 15.9 12.0 18.0



#75

Fluoranthene

Concen: 40.312 ng

RT: 19.371 min Scan# 2788

Delta R.T. -0.012 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

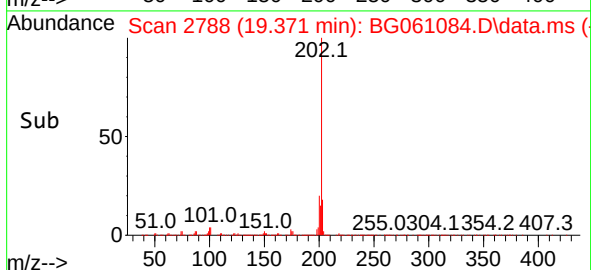
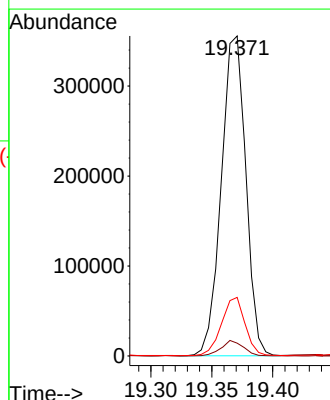
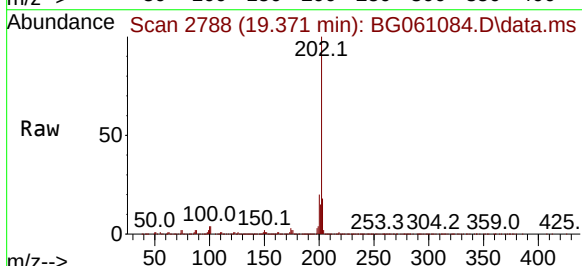
Tgt Ion:202 Resp: 497937

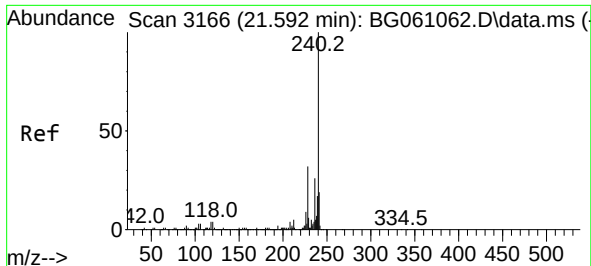
Ion Ratio Lower Upper

202 100

101 4.0 0.0 24.7

203 18.3 0.0 37.1

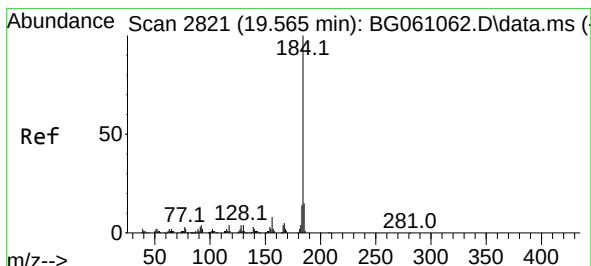
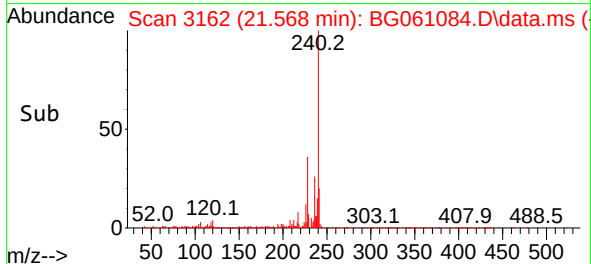
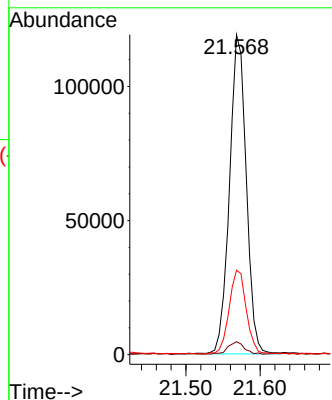
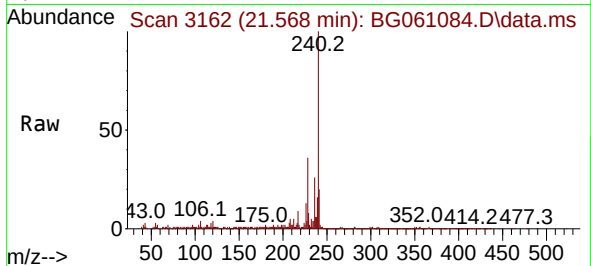




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

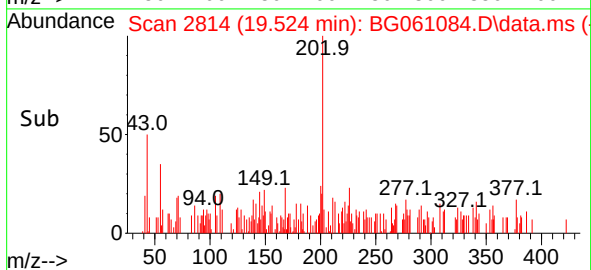
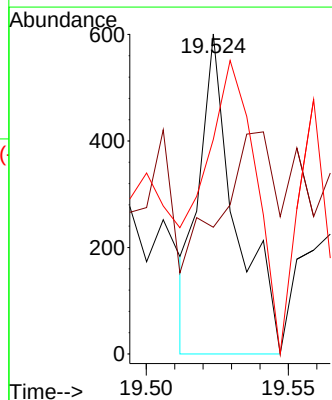
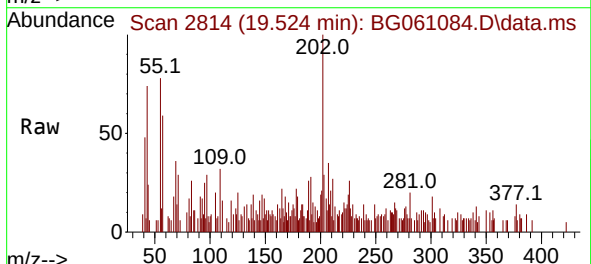
Instrument :
BNA_G
ClientSampleId :

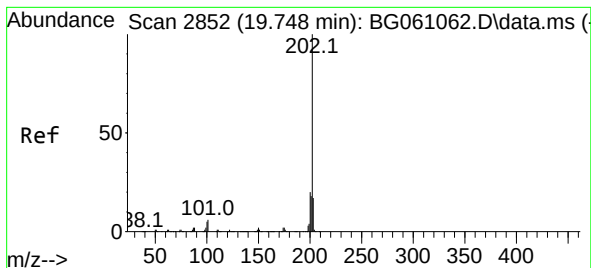
Tgt Ion:240 Resp: 186844
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 26.4 21.0 31.6



#77
Benzidine
Concen: 2.936 ng
RT: 19.524 min Scan# 2814
Delta R.T. -0.041 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:184 Resp: 530
Ion Ratio Lower Upper
184 100
185 39.6 12.0 18.0#
183 67.1 10.9 16.3#





#78

Pyrene

Concen: 37.276 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

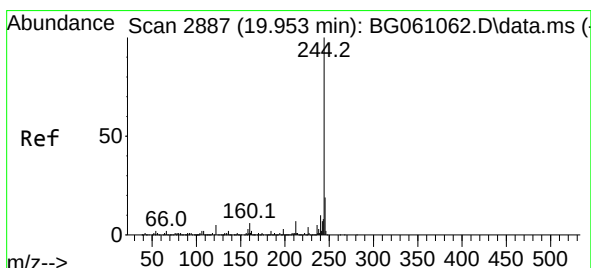
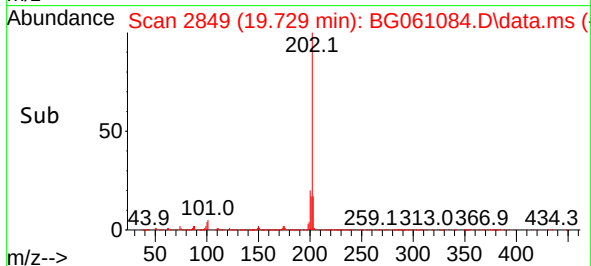
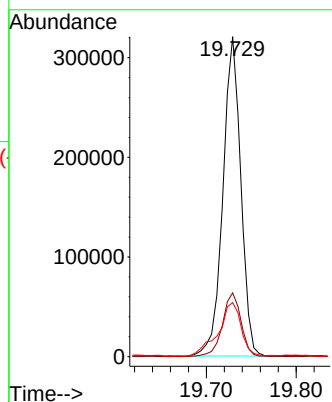
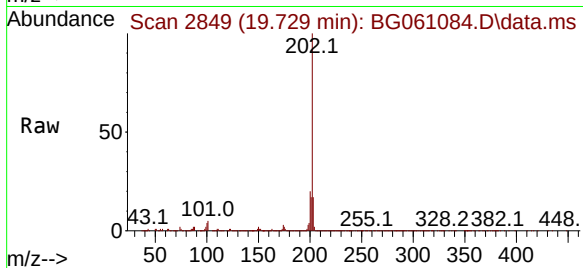
Tgt Ion:202 Resp: 442789

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.4

203 16.9 13.3 19.9



#79

Terphenyl-d14

Concen: 5.428 ng

RT: 19.929 min Scan# 2883

Delta R.T. -0.024 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

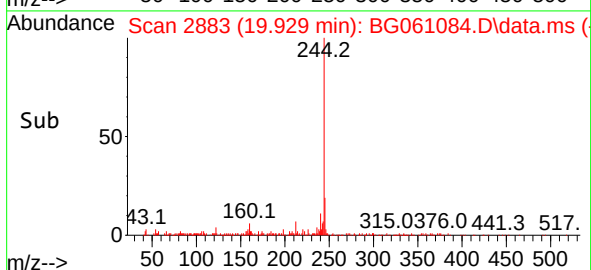
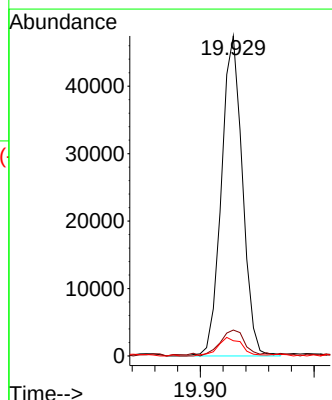
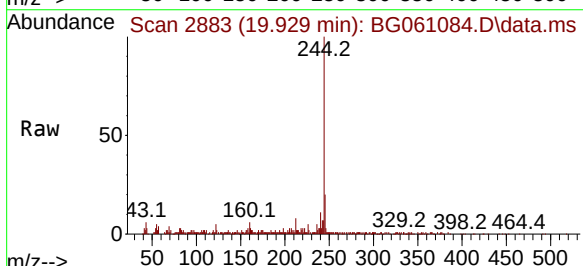
Tgt Ion:244 Resp: 60979

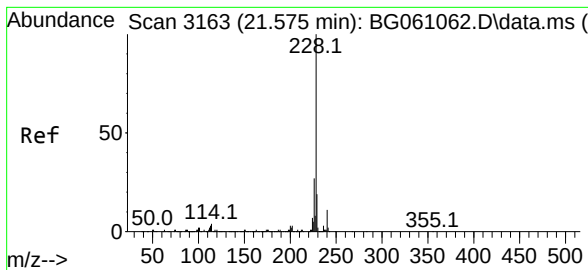
Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

122 4.7 4.2 6.2





#81

Benzo(a)anthracene

Concen: 18.947 ng

RT: 21.551 min Scan# 3159

Delta R.T. -0.024 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

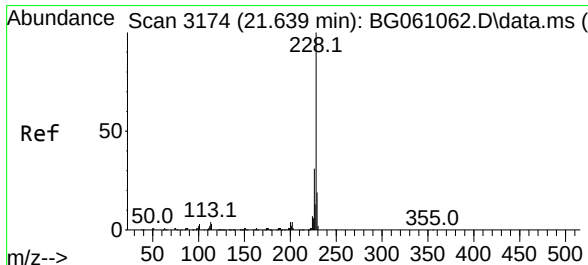
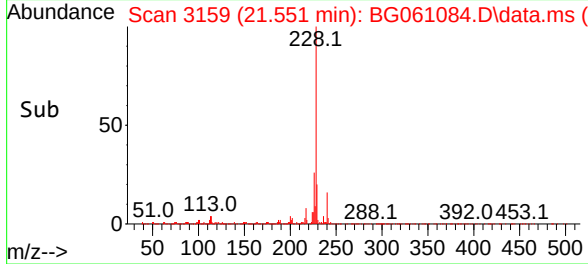
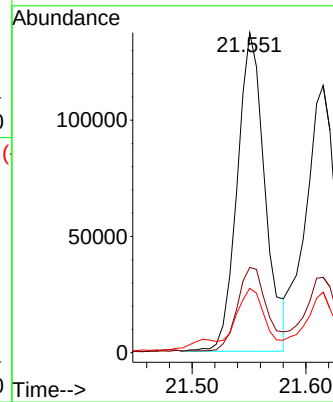
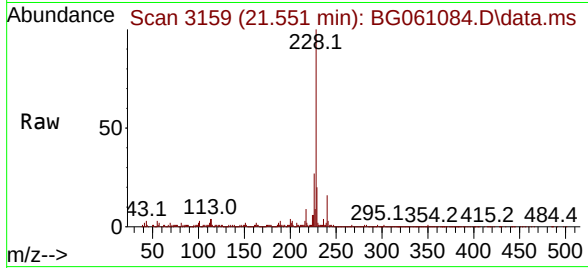
Tgt Ion:228 Resp: 231653

Ion Ratio Lower Upper

228 100

226 26.7 21.6 32.4

229 20.1 15.0 22.4



#83

Chrysene

Concen: 20.223 ng

RT: 21.551 min Scan# 3159

Delta R.T. -0.089 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

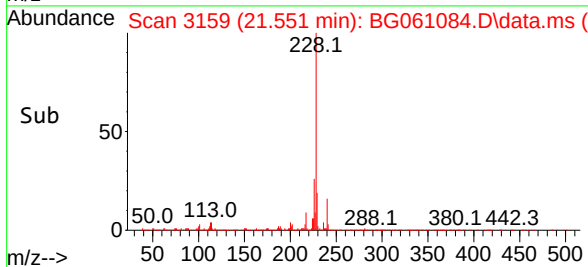
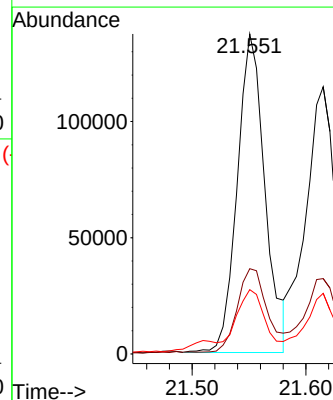
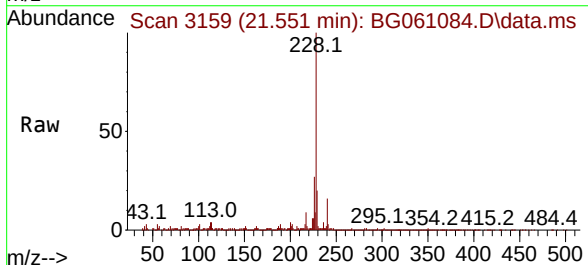
Tgt Ion:228 Resp: 231653

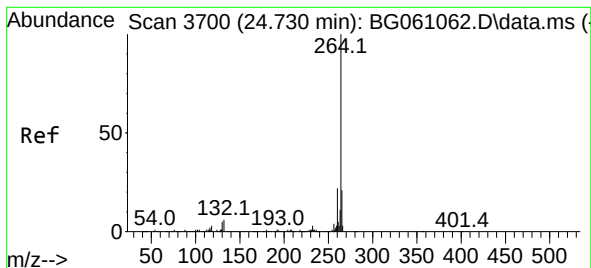
Ion Ratio Lower Upper

228 100

226 26.7 24.4 36.6

229 20.1 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.694 min Scan# 3

Delta R.T. -0.036 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

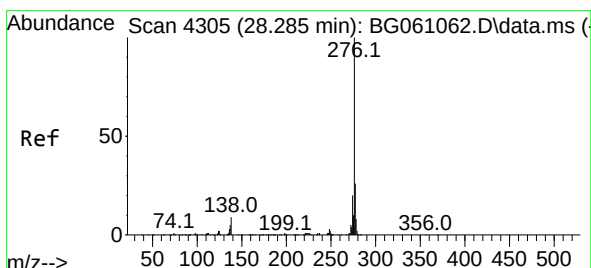
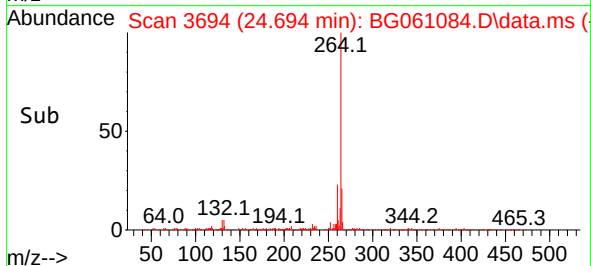
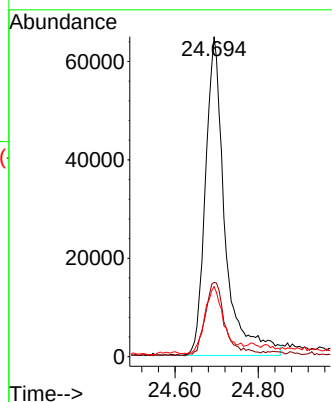
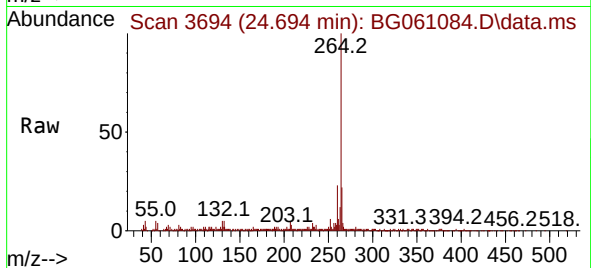
Tgt Ion:264 Resp: 210974

Ion Ratio Lower Upper

264 100

260 23.2 17.7 26.5

265 21.9 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.836 ng

RT: 28.225 min Scan# 4295

Delta R.T. -0.059 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

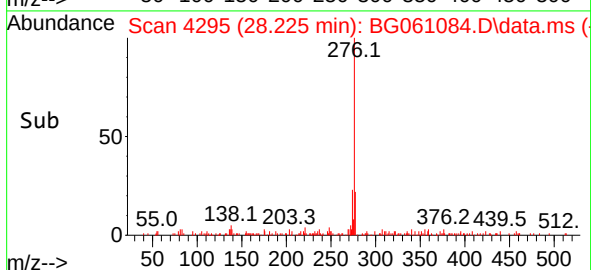
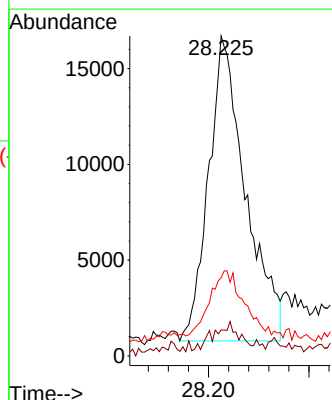
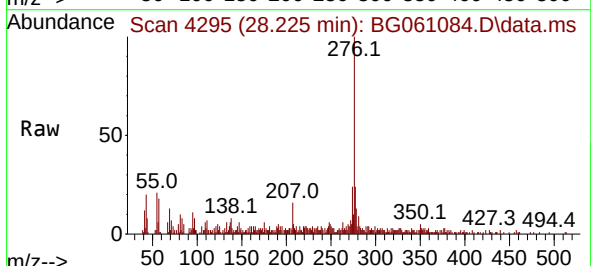
Tgt Ion:276 Resp: 81593

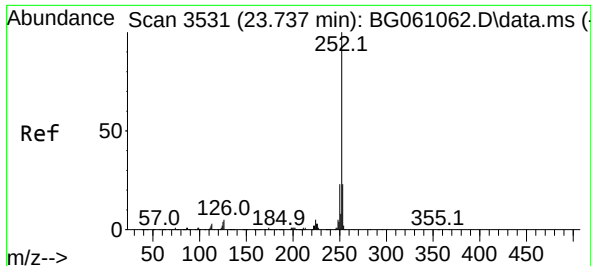
Ion Ratio Lower Upper

276 100

138 3.7 5.1 7.7#

277 23.0 20.6 30.8

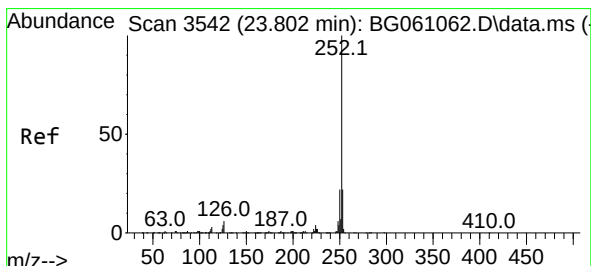
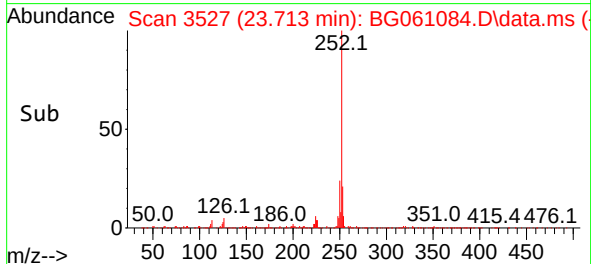
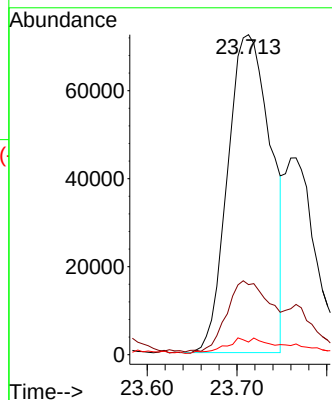
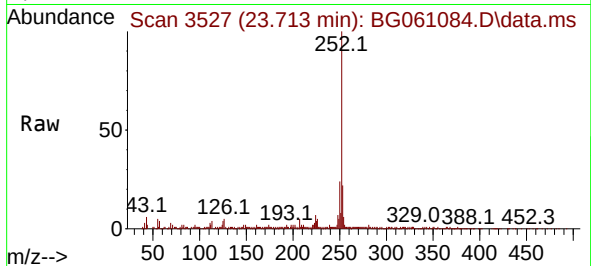




#88
Benzo(b)fluoranthene
Concen: 20.453 ng
RT: 23.713 min Scan# 3527
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

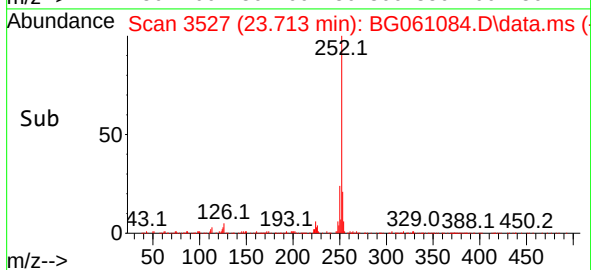
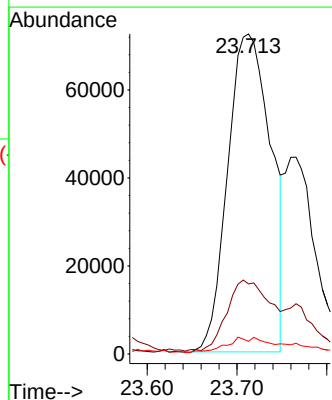
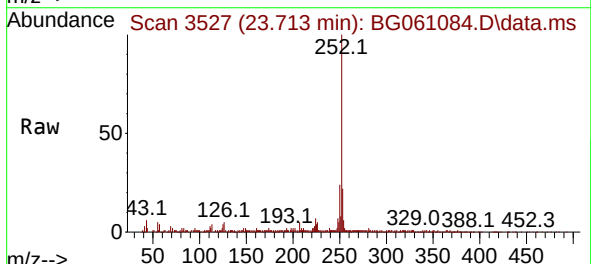
Instrument :
BNA_G
ClientSampleId :

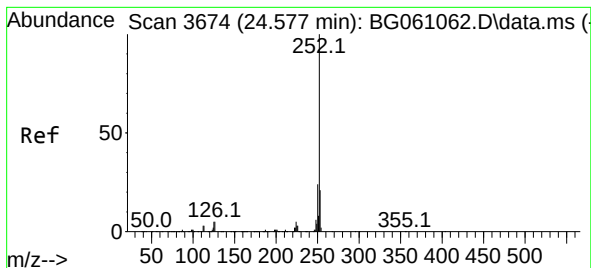
Tgt Ion:252 Resp: 241127
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 3.9 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 21.260 ng
RT: 23.713 min Scan# 3527
Delta R.T. -0.089 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:252 Resp: 241127
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 3.9 3.2 4.8





#90

Benzo(a)pyrene

Concen: 16.763 ng

RT: 24.547 min Scan# 3

Delta R.T. -0.030 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

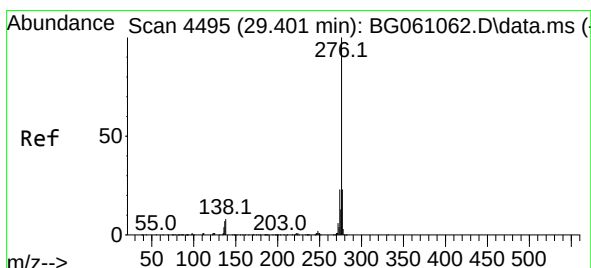
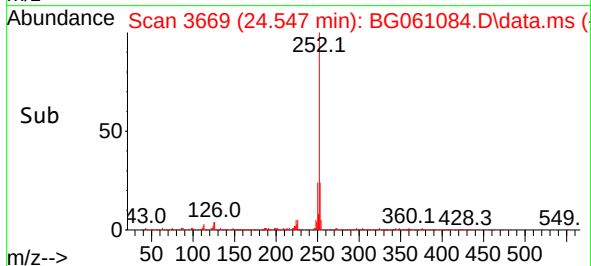
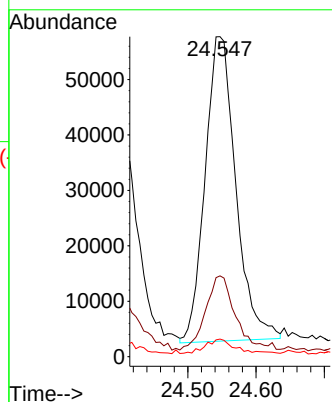
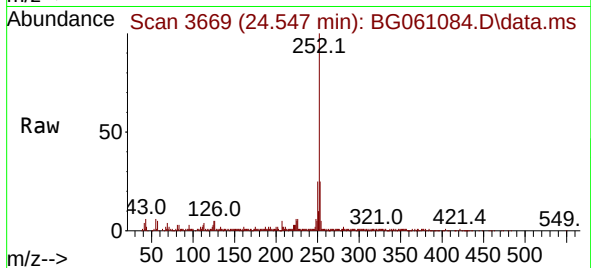
Tgt Ion:252 Resp: 172174

Ion Ratio Lower Upper

252 100

253 25.2 16.9 25.3

125 5.5 3.8 5.8



#92

Benzo(g,h,i)perylene

Concen: 5.861 ng

RT: 29.336 min Scan# 4484

Delta R.T. -0.065 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Tgt Ion:276 Resp: 67439

Ion Ratio Lower Upper

276 100

277 25.4 18.2 27.4

138 7.9 6.2 9.2

