

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061091.D
 Acq On : 2 May 2024 13:21
 Operator : MA/JU
 Sample : P2330-13 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 14:10:02 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)

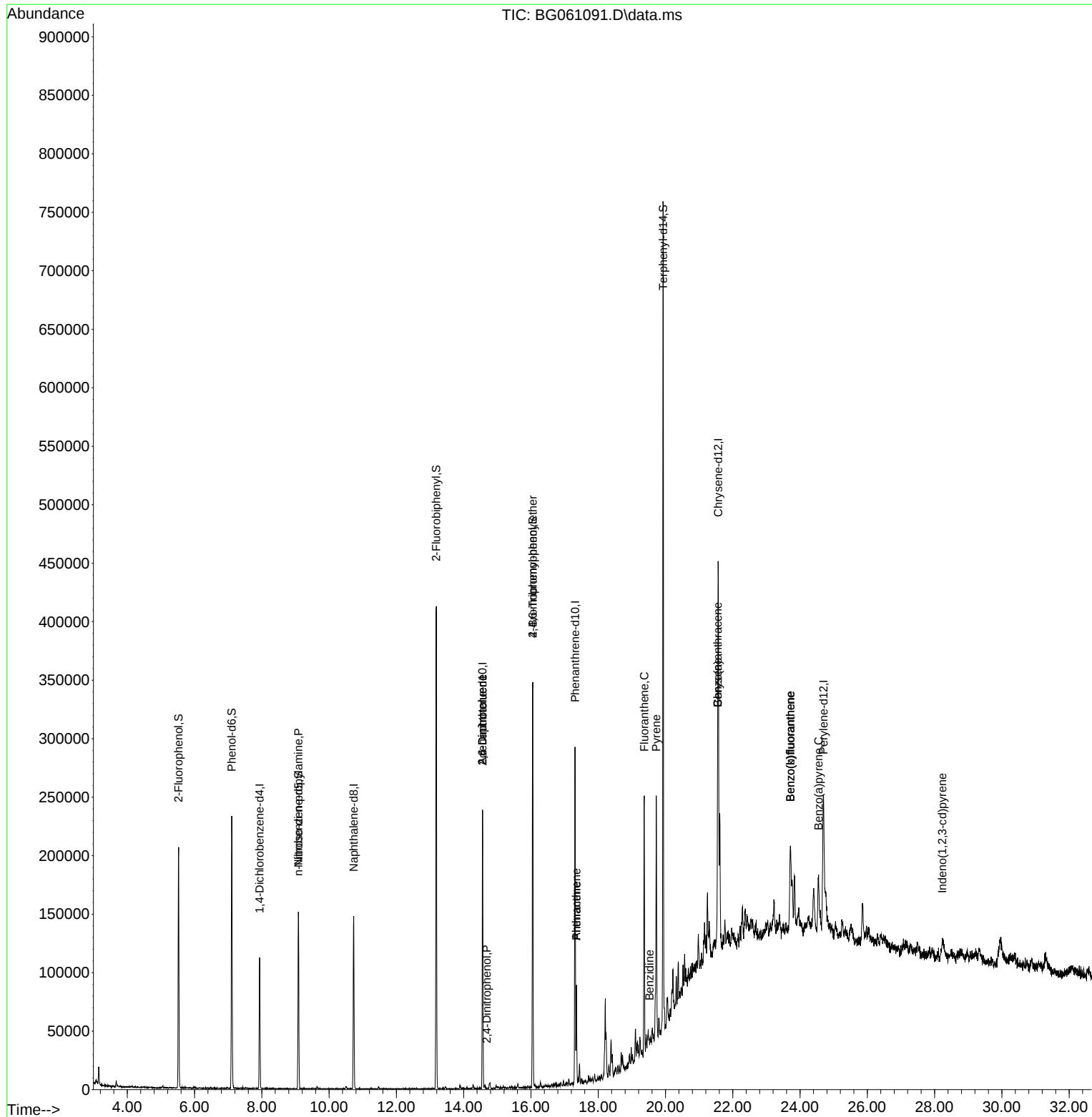
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	29166	20.000	ng	-0.03
21) Naphthalene-d8	10.731	136	116720	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	85574	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	185595	20.000	ng	-0.02
76) Chrysene-d12	21.565	240	180506	20.000	ng	-0.03
86) Perylene-d12	24.697	264	188831	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	74186	51.730	ng	-0.02
7) Phenol-d6	7.106	99	102476	48.304	ng	-0.03
23) Nitrobenzene-d5	9.086	82	78030	33.140	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	77245	45.160	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	215274	37.199	ng	-0.02
79) Terphenyl-d14	19.926	244	372478	34.319	ng	-0.03
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.106	77	160	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.092	70	11875	7.480	ng	# 53
51) 2,6-Dinitrotoluene	14.562	165	10790	7.632	ng	# 15
54) 2,4-Dinitrophenol	14.685	184	85	2.290	ng	# 11
57) 2,4-Dinitrotoluene	14.562	165	10790	5.159	ng	# 17
67) 4-Bromophenyl-phenylether	16.054	248	4543	2.078	ng	# 1
71) Phenanthrene	17.353	178	51985	6.126	ng	97
72) Anthracene	17.353	178	51985	6.139	ng	99
75) Fluoranthene	19.368	202	140559	12.090	ng	98
77) Benzidine	19.527	184	285	2.874	ng	# 1
78) Pyrene	19.726	202	138332	12.054	ng	98
81) Benzo(a)anthracene	21.548	228	88482	7.491	ng	97
83) Chrysene	21.548	228	88482	7.995	ng	94
87) Indeno(1,2,3-cd)pyrene	28.228	276	27489	2.197	ng	# 83
88) Benzo(b)fluoranthene	23.716	252	98435	9.329	ng	97
89) Benzo(k)fluoranthene	23.716	252	98435	9.697	ng	99
90) Benzo(a)pyrene	24.550	252	68148	7.413	ng	# 97

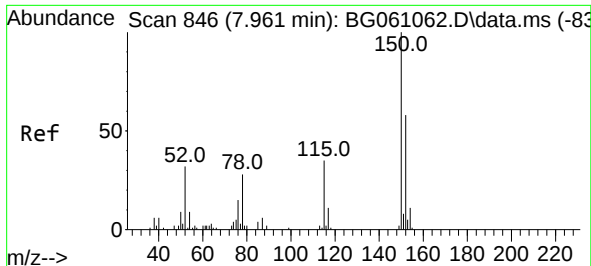
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061091.D
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Operator : MA/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

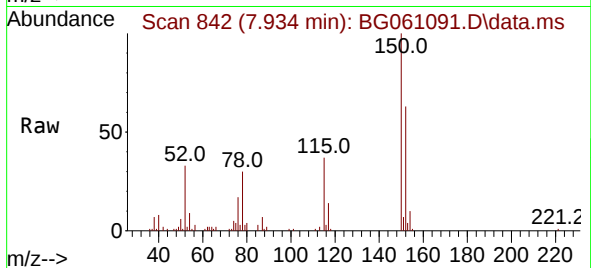
Quant Time: May 02 14:10:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



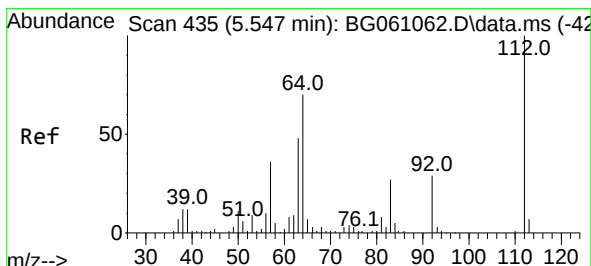
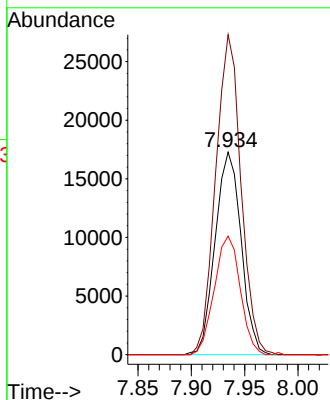
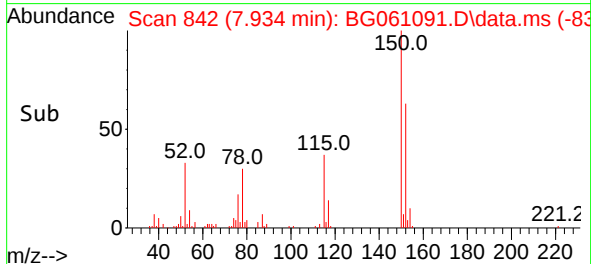


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

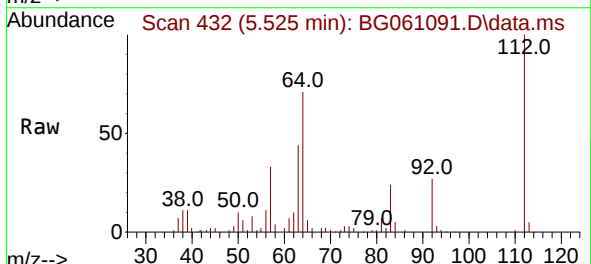
Instrument :
BNA_G
ClientSampleId :



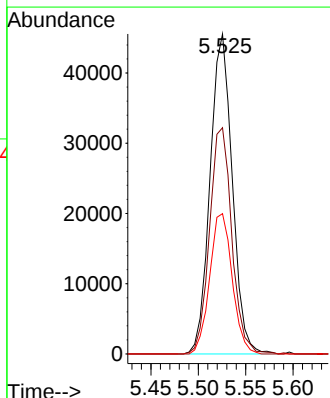
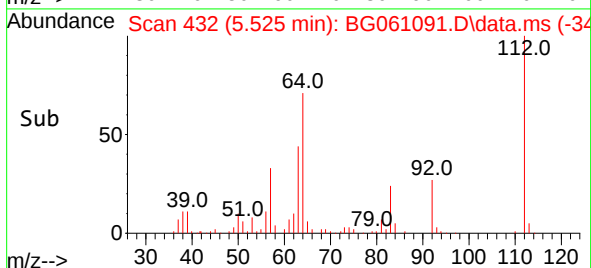
Tgt Ion:152 Resp: 29166
Ion Ratio Lower Upper
152 100
150 158.0 138.3 207.5
115 58.5 48.0 72.0



#5
2-Fluorophenol
Concen: 51.730 ng
RT: 5.525 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21



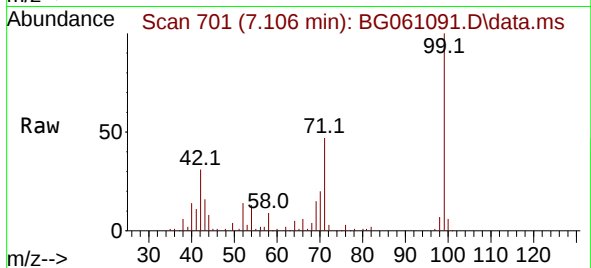
Tgt Ion:112 Resp: 74186
Ion Ratio Lower Upper
112 100
64 70.7 55.7 83.5
63 43.9 38.1 57.1



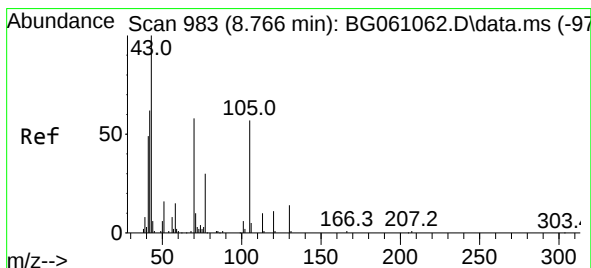
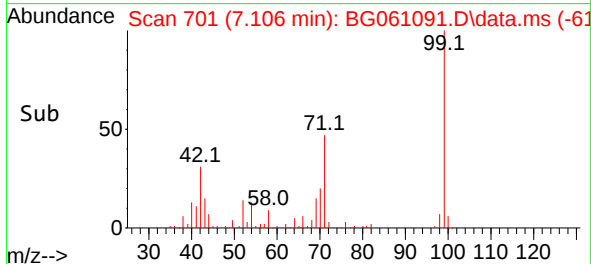
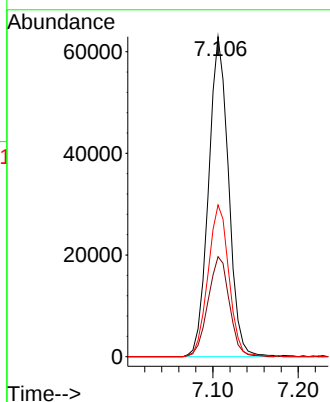


#7
Phenol-d6
Concen: 48.304 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Instrument :
BNA_G
ClientSampleId :

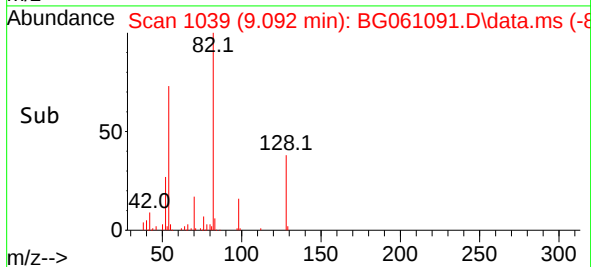
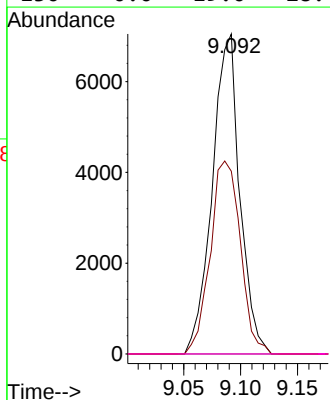
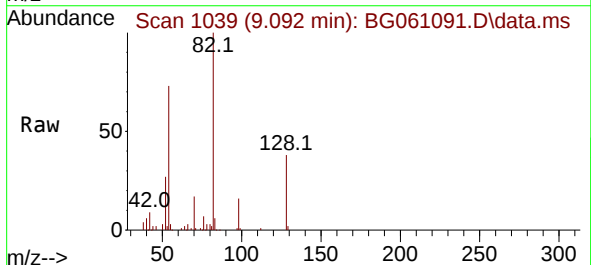


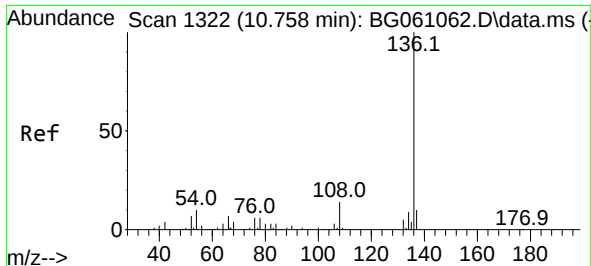
Tgt Ion: 99 Resp: 102476
Ion Ratio Lower Upper
99 100
42 31.2 29.2 43.8
71 47.4 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.480 ng
RT: 9.092 min Scan# 1039
Delta R.T. 0.326 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion: 70 Resp: 11875
Ion Ratio Lower Upper
70 100
42 57.1 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#

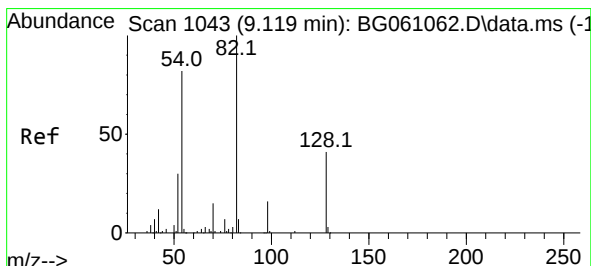
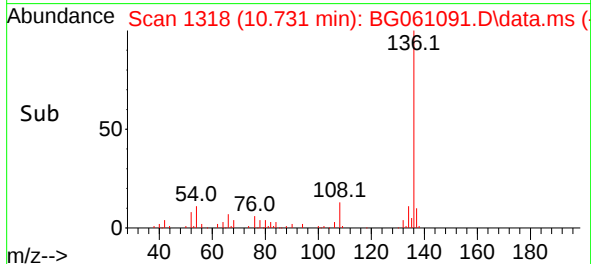
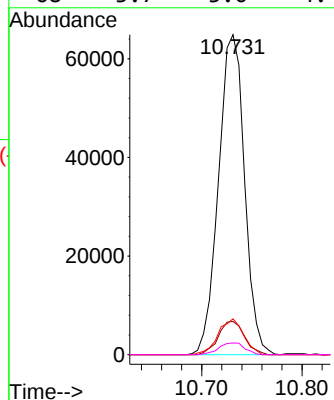
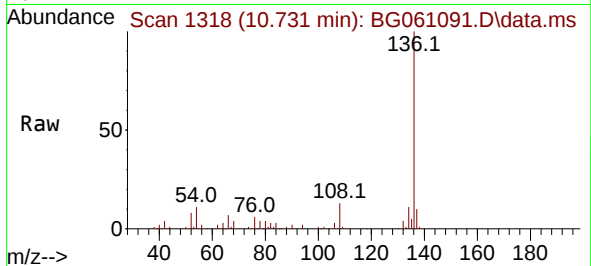




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 11
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

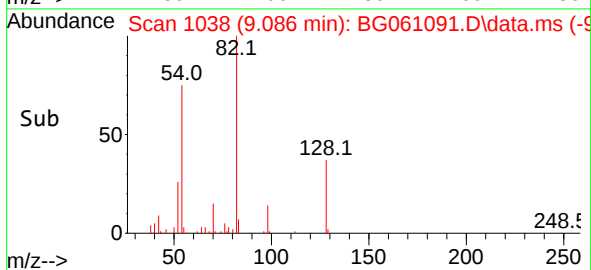
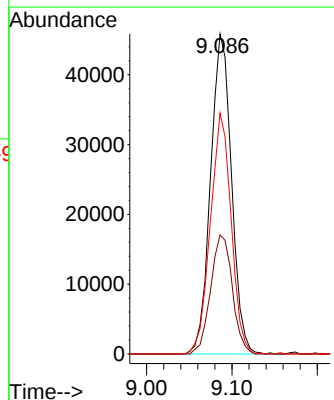
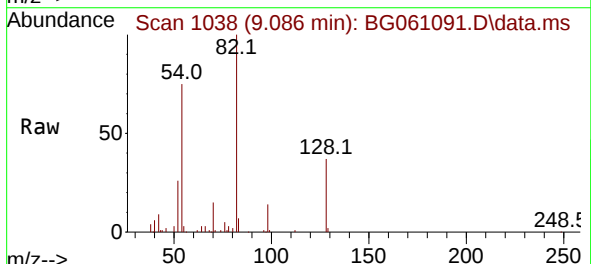
Instrument :
BNA_G
ClientSampleId :

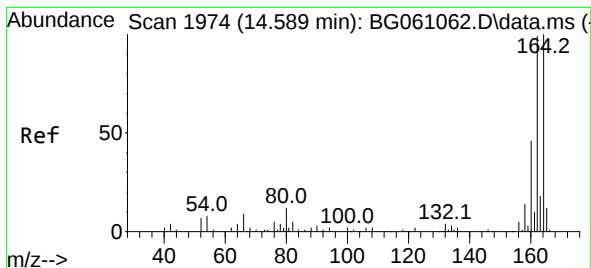
Tgt Ion:136 Resp: 116720
Ion Ratio Lower Upper
136 100
137 10.4 7.8 11.6
54 11.2 8.1 12.1
68 3.7 3.0 4.4



#23
Nitrobenzene-d5
Concen: 33.140 ng
RT: 9.086 min Scan# 1038
Delta R.T. -0.033 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion: 82 Resp: 78030
Ion Ratio Lower Upper
82 100
128 37.2 32.7 49.1
54 75.3 65.6 98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1974

Delta R.T. -0.027 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

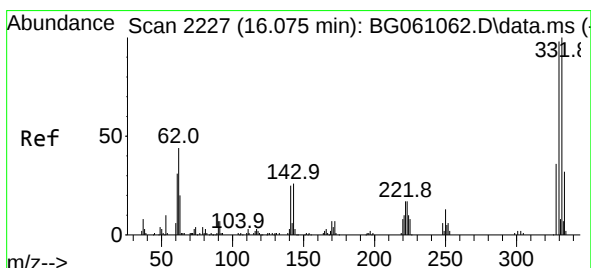
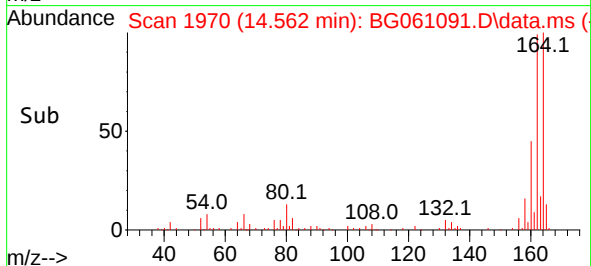
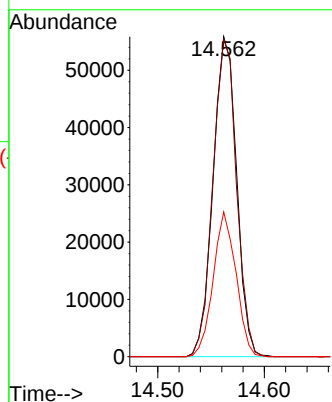
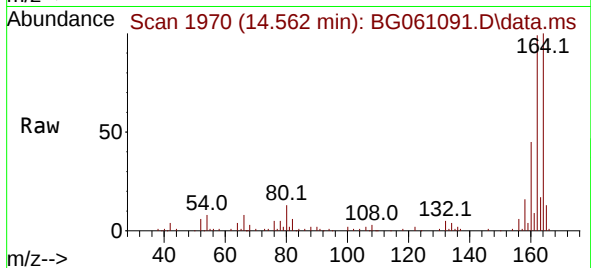
Tgt Ion:164 Resp: 85574

Ion Ratio Lower Upper

164 100

162 99.1 79.4 119.2

160 45.3 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 45.160 ng

RT: 16.054 min Scan# 2224

Delta R.T. -0.021 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

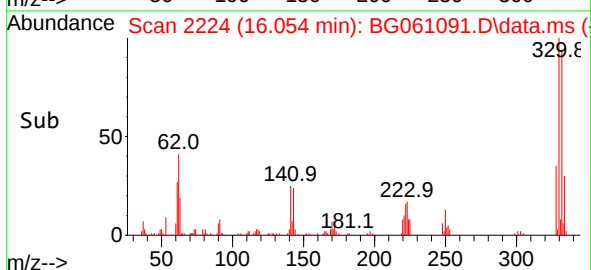
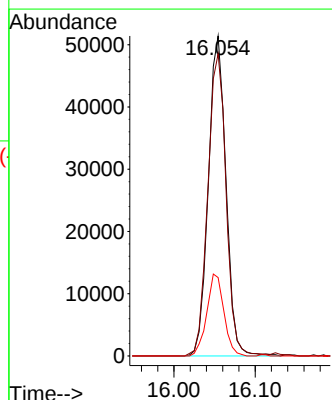
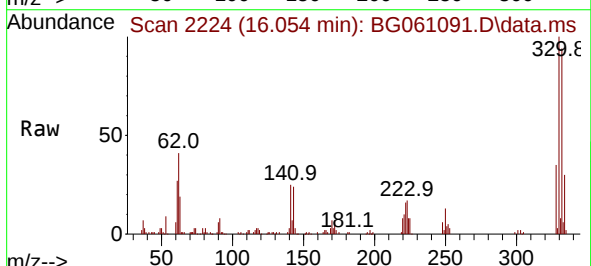
Tgt Ion:330 Resp: 77245

Ion Ratio Lower Upper

330 100

332 97.9 78.6 117.8

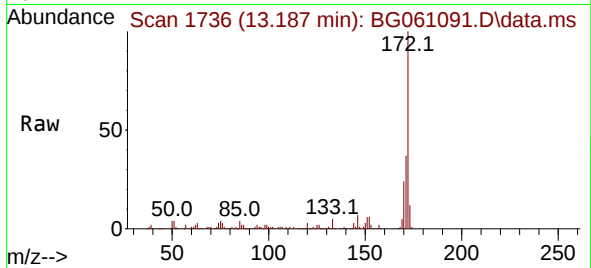
141 24.9 20.5 30.7



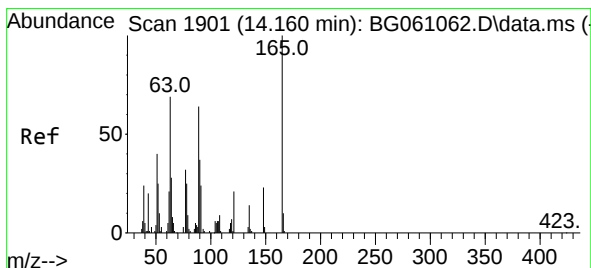
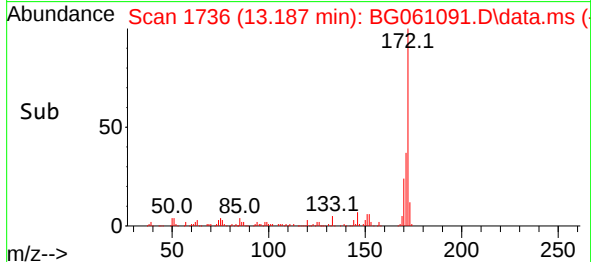
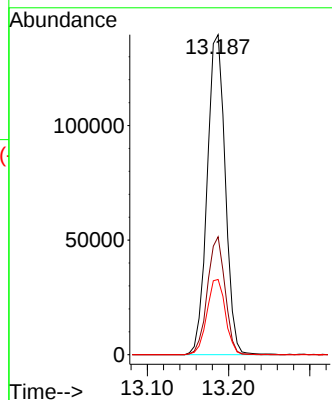


#45
2-Fluorobiphenyl
Concen: 37.199 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Instrument :
BNA_G
ClientSampleId :

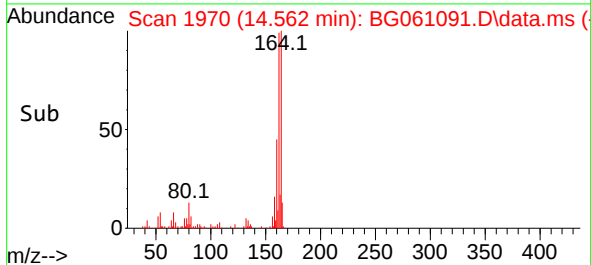
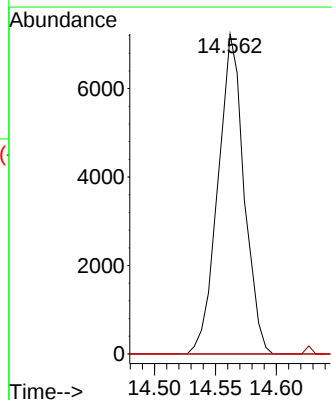
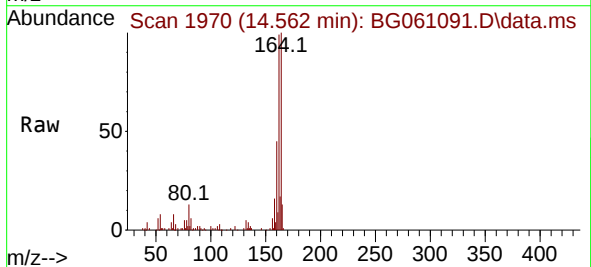


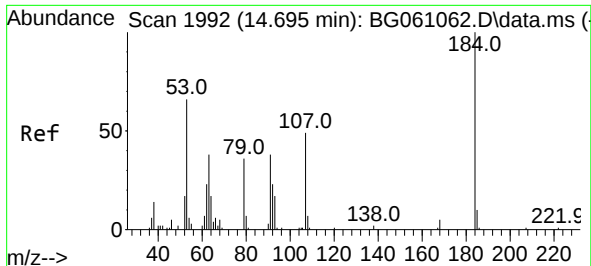
Tgt Ion:172 Resp: 215274
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 23.5 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.632 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

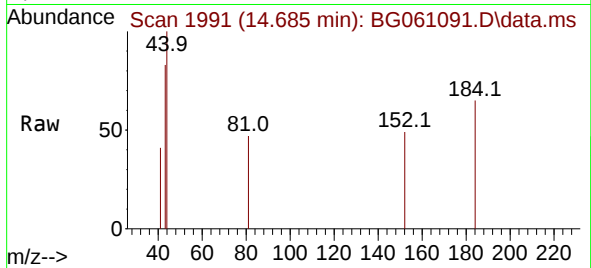
Tgt Ion:165 Resp: 10790
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



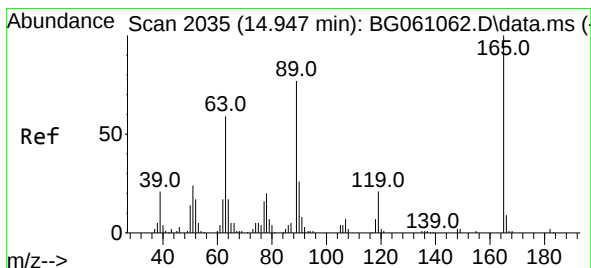
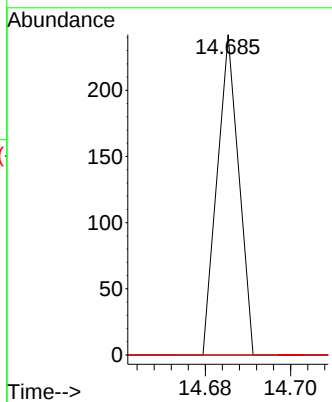
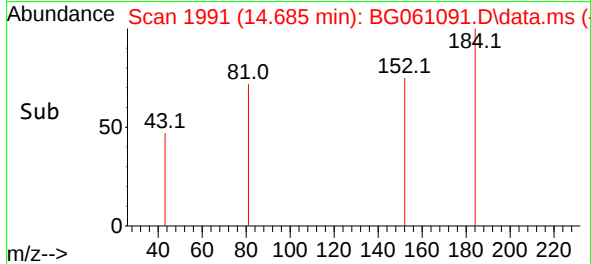


#54
2,4-Dinitrophenol
Concen: 2.290 ng
RT: 14.685 min Scan# 1991
Delta R.T. -0.009 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

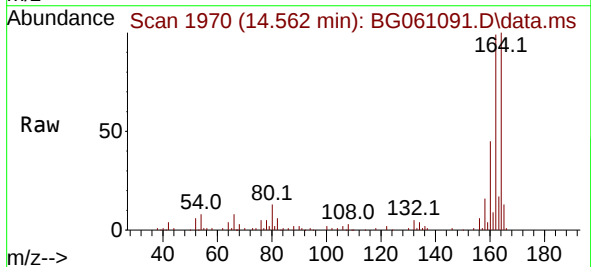
Instrument :
BNA_G
ClientSampleId :



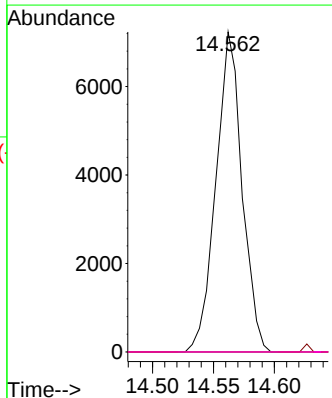
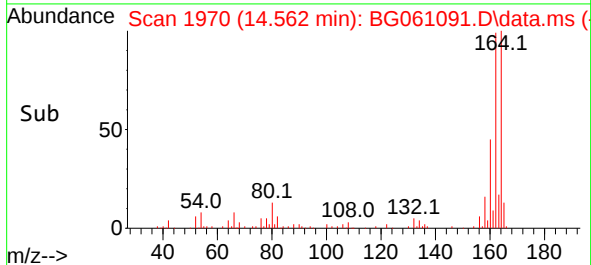
Tgt Ion:184 Resp: 85
Ion Ratio Lower Upper
184 100
63 0.0 62.6 93.8#
154 0.0 61.4 92.0#

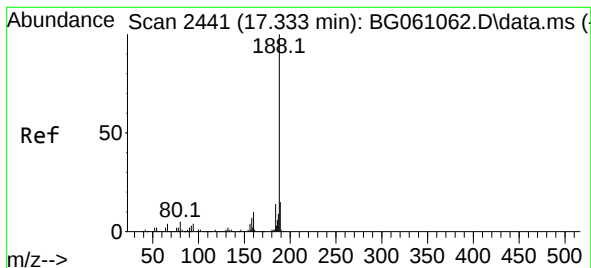


#57
2,4-Dinitrotoluene
Concen: 5.159 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21



Tgt Ion:165 Resp: 10790
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: 17.312 min Scan# 2441

Delta R.T. -0.021 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

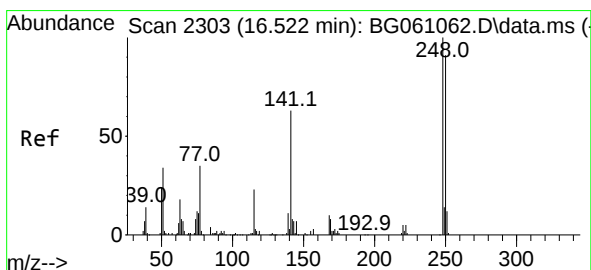
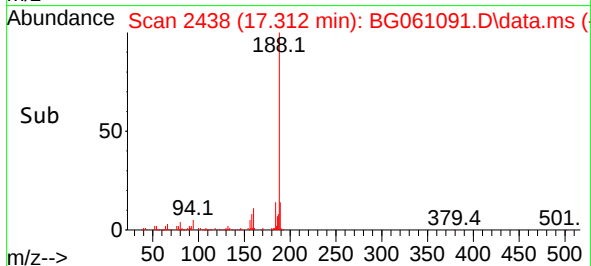
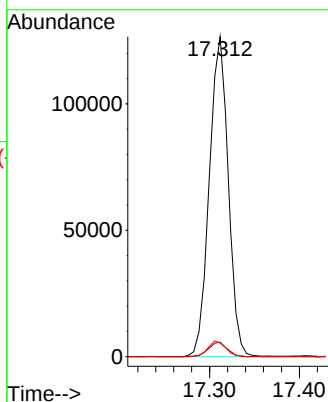
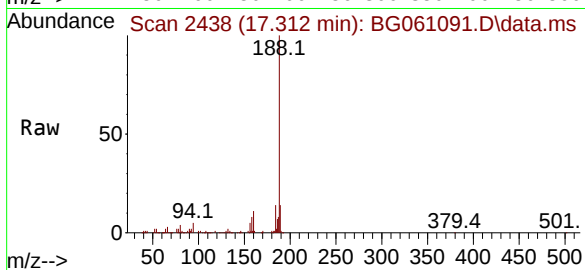
Tgt Ion:188 Resp: 185595

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

80 4.3 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 2.078 ng

RT: 16.054 min Scan# 2224

Delta R.T. -0.468 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

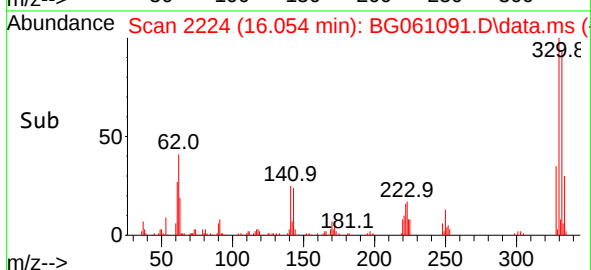
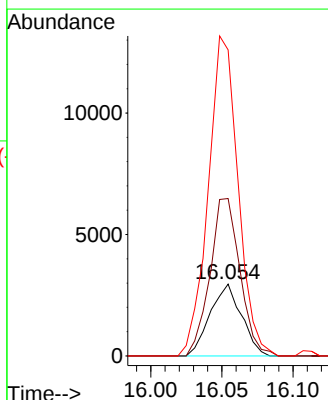
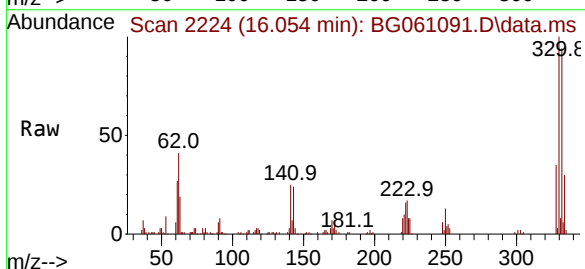
Tgt Ion:248 Resp: 4543

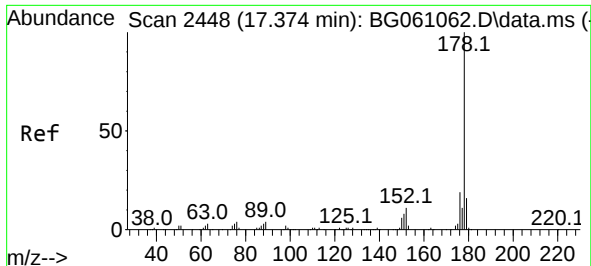
Ion Ratio Lower Upper

248 100

250 219.1 73.0 109.4#

141 426.0 50.8 76.2#

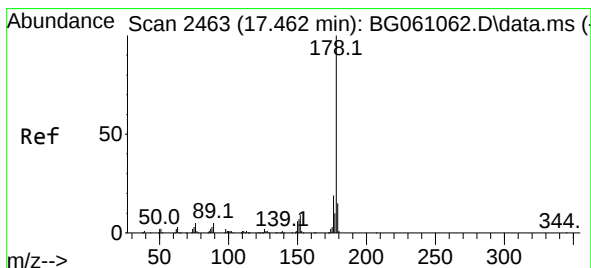
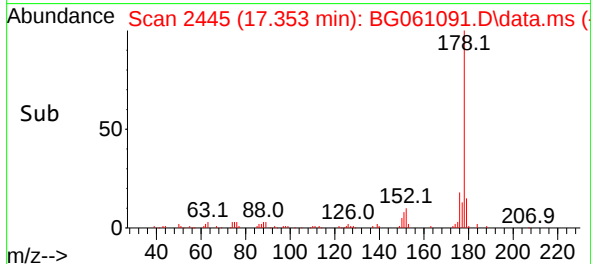
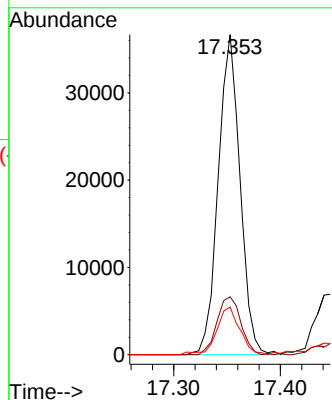
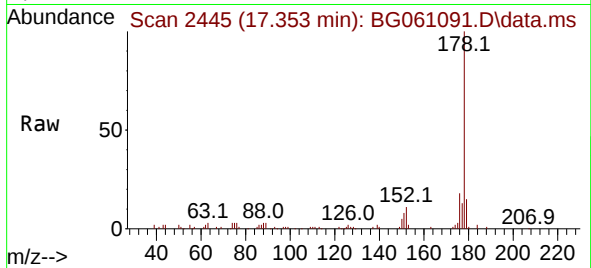




#71
Phenanthrene
Concen: 6.126 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

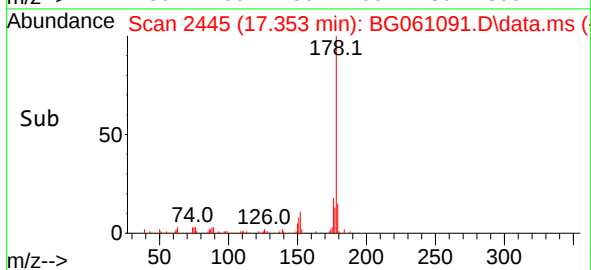
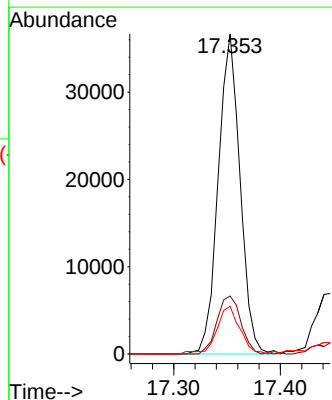
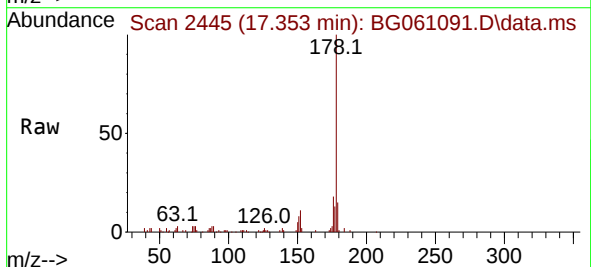
Instrument :
BNA_G
ClientSampleId :

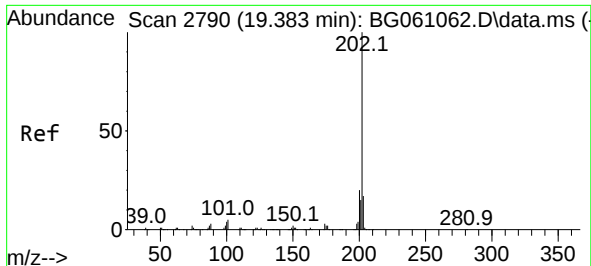
Tgt Ion:178 Resp: 51985
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 14.9 12.6 19.0



#72
Anthracene
Concen: 6.139 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.109 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion:178 Resp: 51985
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.9 12.0 18.0

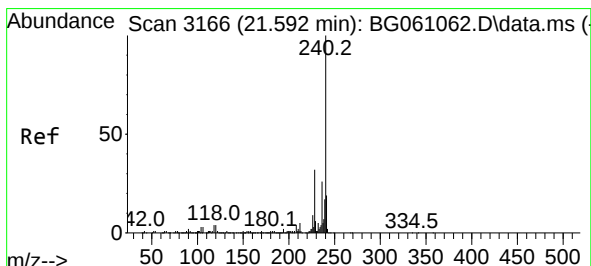
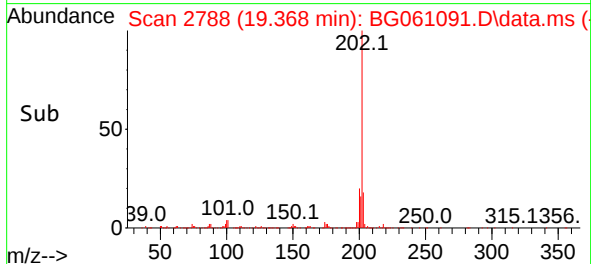
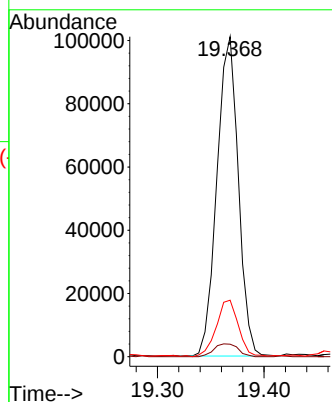
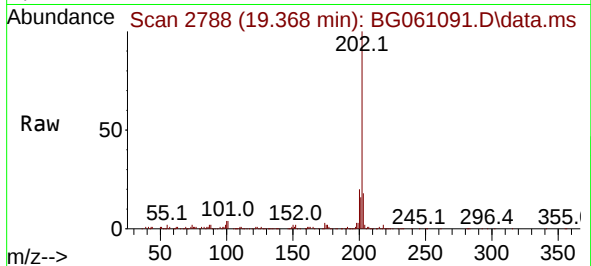




#75
Fluoranthene
Concen: 12.090 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

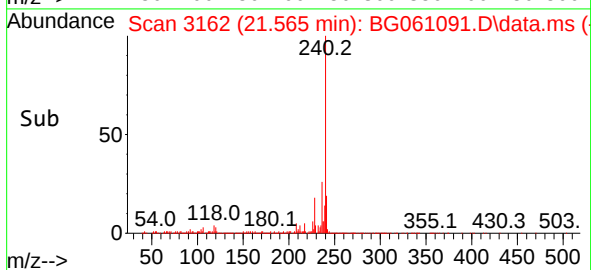
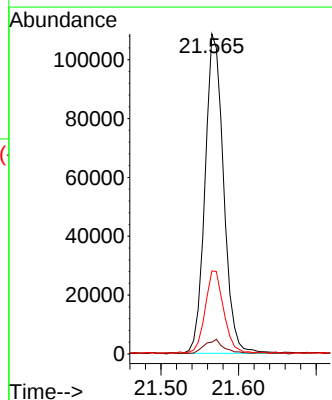
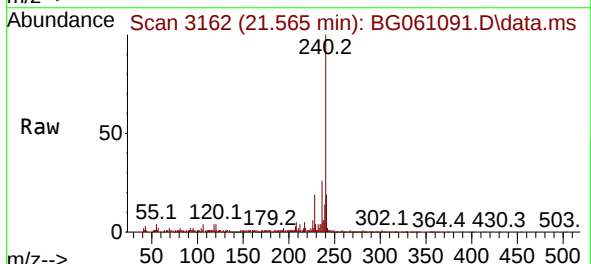
Instrument :
BNA_G
ClientSampleId :

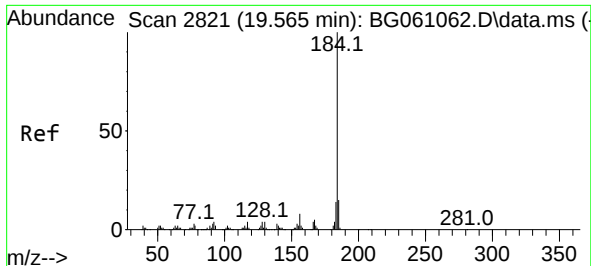
Tgt Ion:202 Resp: 140559
Ion Ratio Lower Upper
202 100
101 3.9 0.0 24.7
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion:240 Resp: 180506
Ion Ratio Lower Upper
240 100
120 3.7 3.2 4.8
236 25.9 21.0 31.6

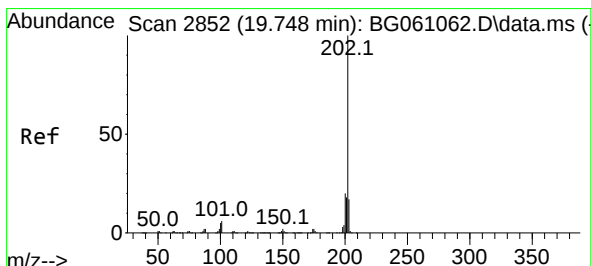
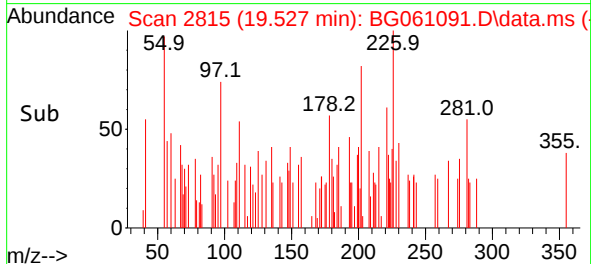
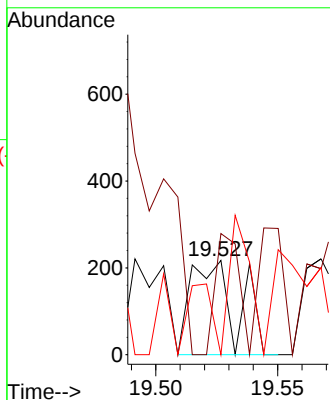
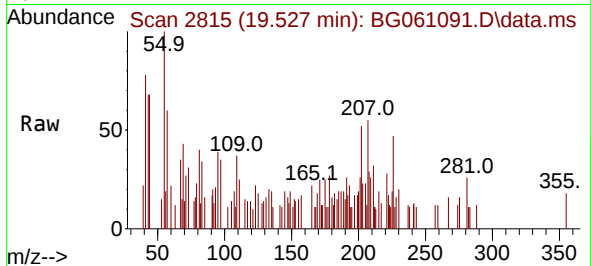




#77
Benzidine
Concen: 2.874 ng
RT: 19.527 min Scan# 2815
Delta R.T. -0.038 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

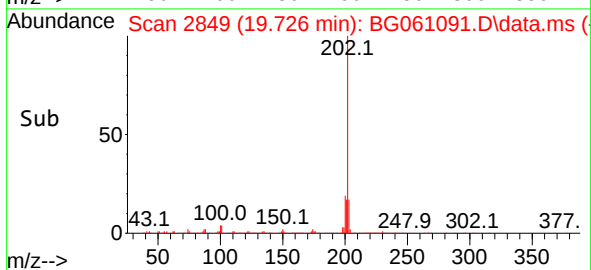
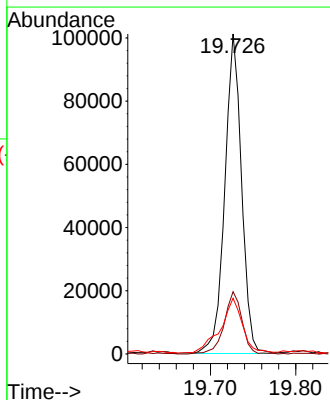
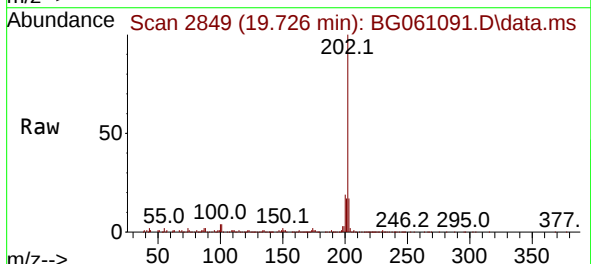
Instrument :
BNA_G
ClientSampleId :

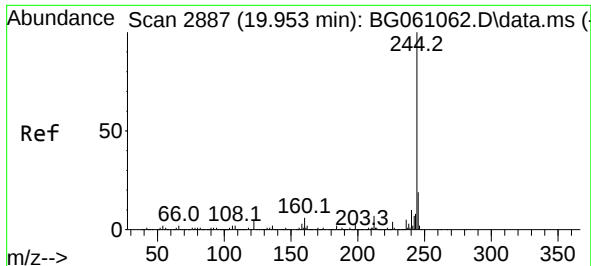
Tgt Ion:184 Resp: 285
Ion Ratio Lower Upper
184 100
185 128.6 12.0 18.0#
183 0.0 10.9 16.3#



#78
Pyrene
Concen: 12.054 ng
RT: 19.726 min Scan# 2849
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

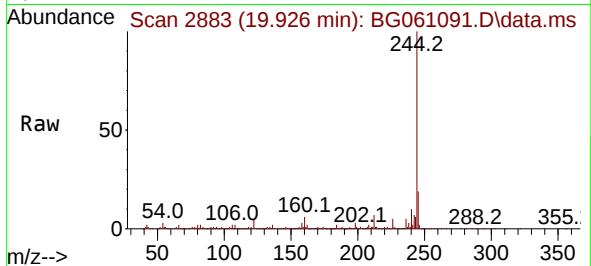
Tgt Ion:202 Resp: 138332
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.4
203 17.4 13.3 19.9



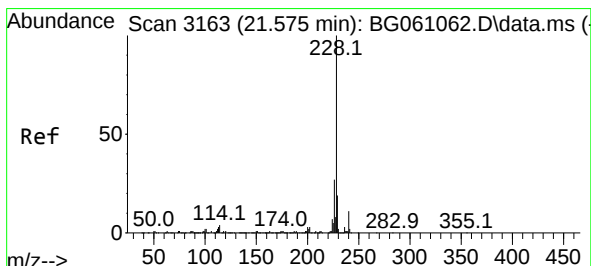
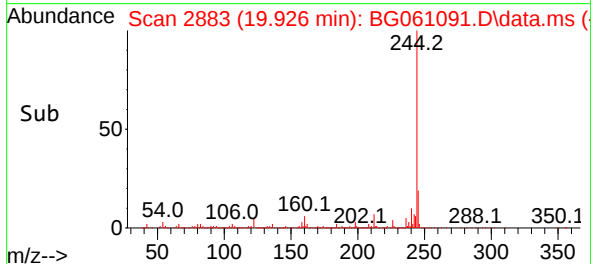
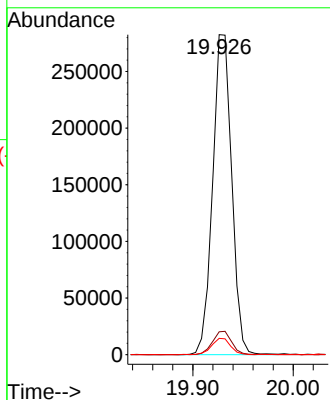


#79
 Terphenyl-d14
 Concen: 34.319 ng
 RT: 19.926 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG061091.D
 Acq: 2 May 2024 13:21

Instrument :
 BNA_G
 ClientSampleId :

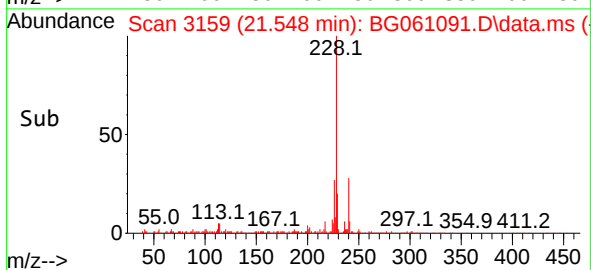
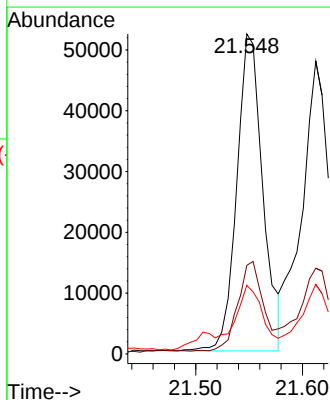
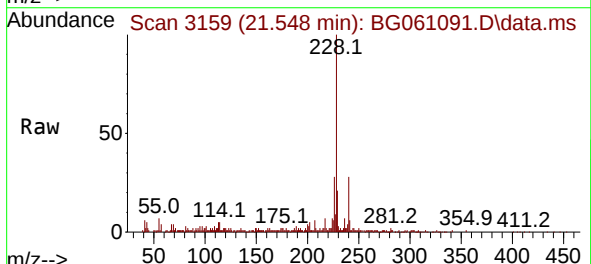


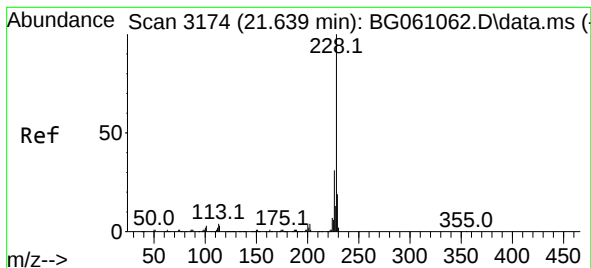
Tgt Ion:244 Resp: 372478
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.1 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 7.491 ng
 RT: 21.548 min Scan# 3159
 Delta R.T. -0.027 min
 Lab File: BG061091.D
 Acq: 2 May 2024 13:21

Tgt Ion:228 Resp: 88482
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 21.5 15.0 22.4





#83

Chrysene

Concen: 7.995 ng

RT: 21.548 min Scan# 3174

Delta R.T. -0.092 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

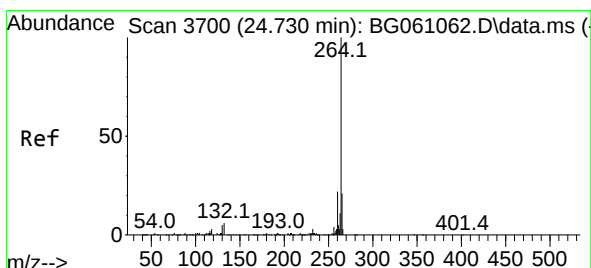
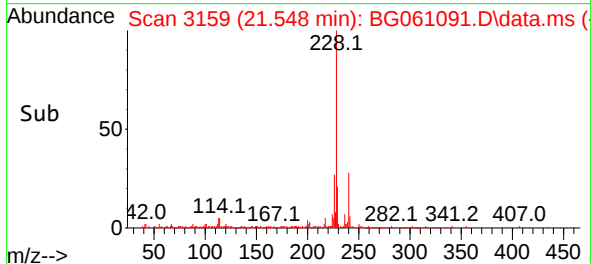
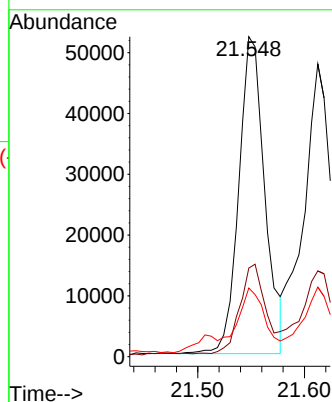
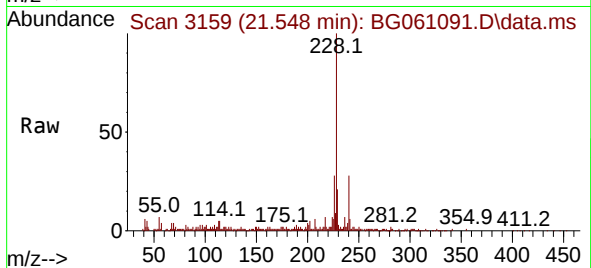
Tgt Ion:228 Resp: 88482

Ion Ratio Lower Upper

228 100

226 27.7 24.4 36.6

229 21.5 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.697 min Scan# 3695

Delta R.T. -0.033 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

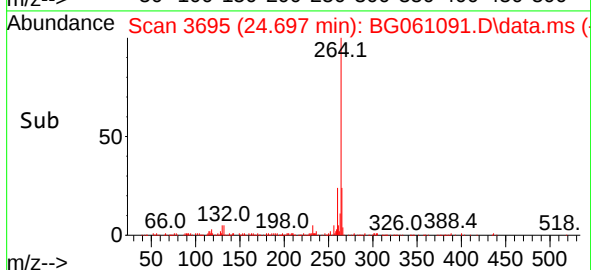
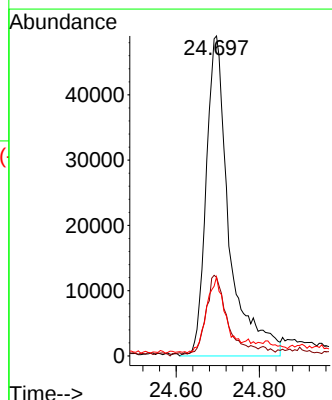
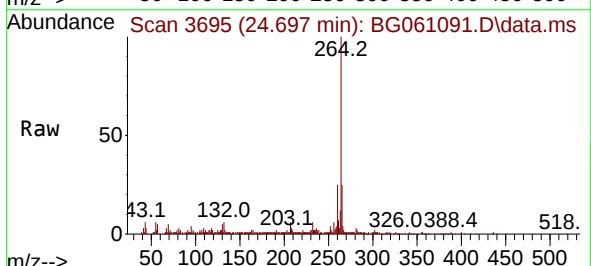
Tgt Ion:264 Resp: 188831

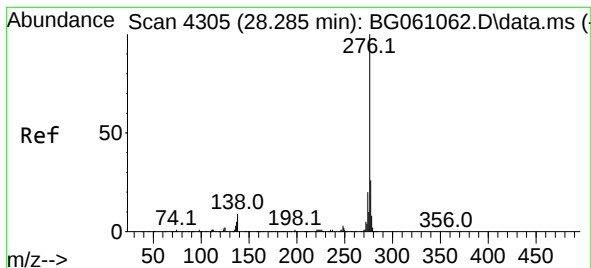
Ion Ratio Lower Upper

264 100

260 24.6 17.7 26.5

265 24.7 16.4 24.6#





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.197 ng

RT: 28.228 min Scan# 41

Delta R.T. -0.056 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

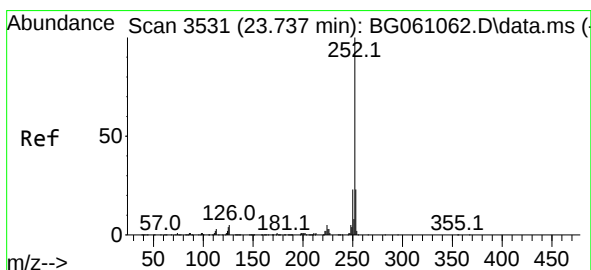
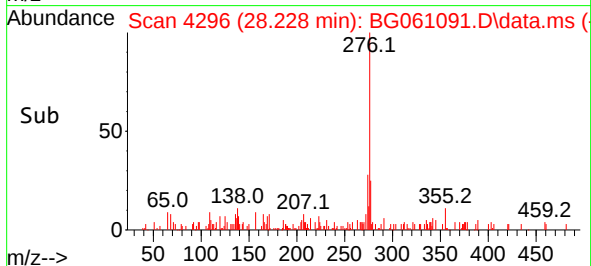
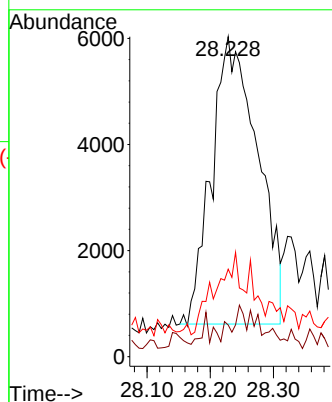
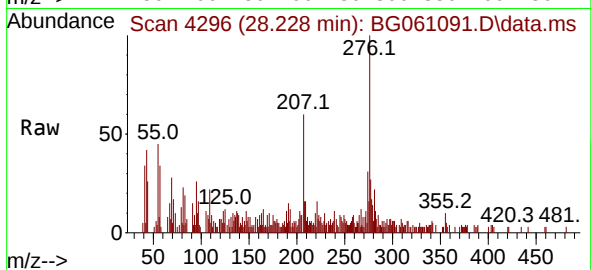
Tgt Ion:276 Resp: 27489

Ion Ratio Lower Upper

276 100

138 3.3 5.1 7.7#

277 16.3 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 9.329 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.021 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

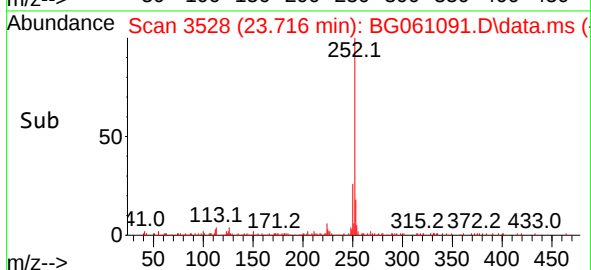
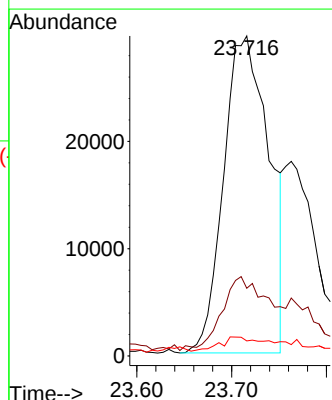
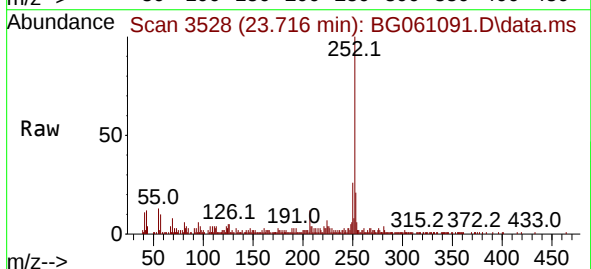
Tgt Ion:252 Resp: 98435

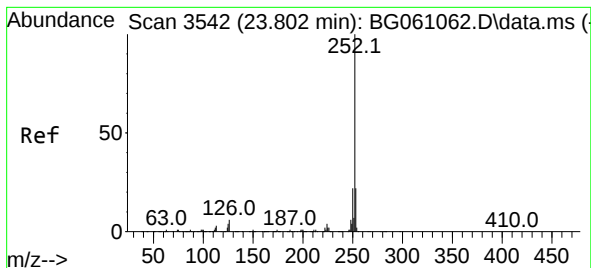
Ion Ratio Lower Upper

252 100

253 21.1 18.2 27.2

125 4.7 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 9.697 ng

RT: 23.716 min Scan# 3

Delta R.T. -0.086 min

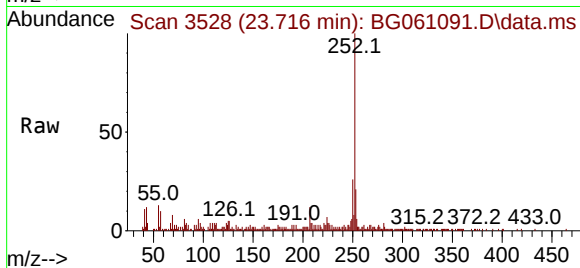
Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :



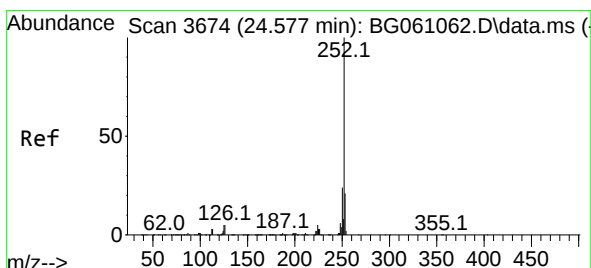
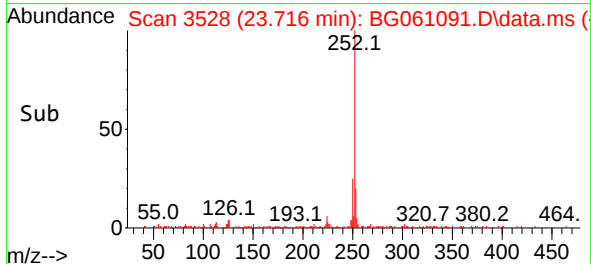
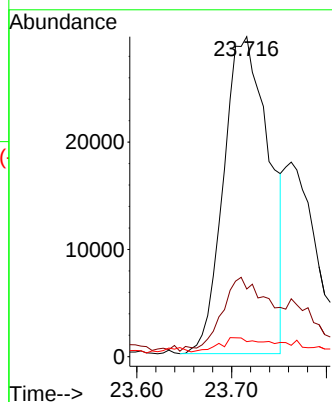
Tgt Ion:252 Resp: 98435

Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

125 4.7 3.2 4.8



#90

Benzo(a)pyrene

Concen: 7.413 ng

RT: 24.550 min Scan# 3670

Delta R.T. -0.027 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Tgt Ion:252 Resp: 68148

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 6.8 3.8 5.8#

