

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050724\
 Data File : BG061136.D
 Acq On : 7 May 2024 17:53
 Operator : MA/JU
 Sample : P2312-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-125-SB-01

Quant Time: May 07 18:41:29 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)

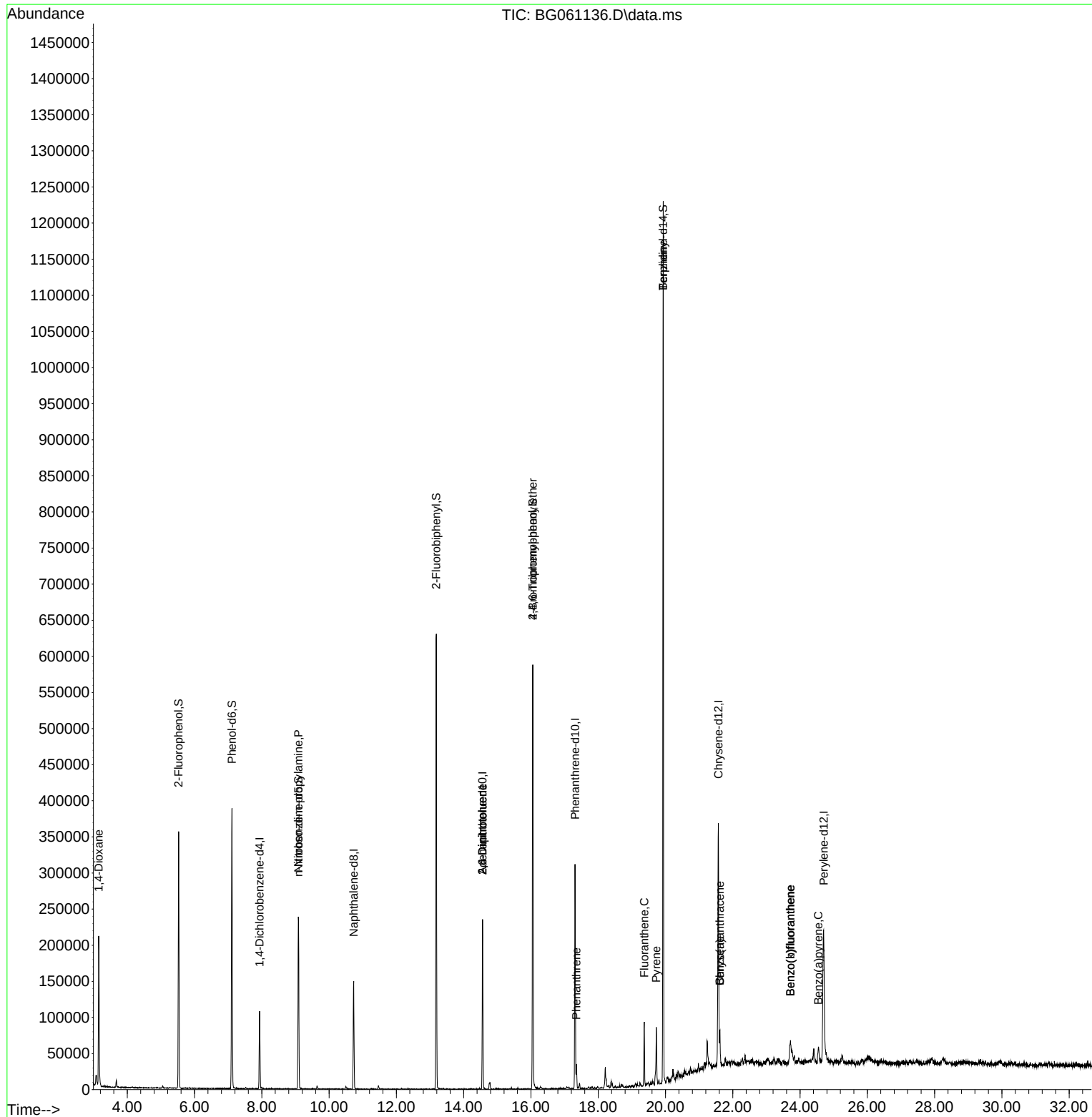
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	27607	20.000	ng	-0.03
21) Naphthalene-d8	10.731	136	113929	20.000	ng	#-0.03
39) Acenaphthene-d10	14.562	164	87458	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	198888	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	192404	20.000	ng	-0.02
86) Perylene-d12	24.703	264	231253	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	121943	89.832	ng	-0.02
7) Phenol-d6	7.112	99	170972	85.141	ng	-0.02
23) Nitrobenzene-d5	9.086	82	126201	54.912	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	134220	76.779	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	337272	57.025	ng	-0.02
79) Terphenyl-d14	19.932	244	612371	52.933	ng	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	1870	3.407	ng	# 1
9) Benzaldehyde	7.106	77	443	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.092	70	18755	12.480	ng	# 63
51) 2,6-Dinitrotoluene	14.562	165	11526	7.977	ng	# 17
57) 2,4-Dinitrotoluene	14.562	165	11526	5.392	ng	# 19
67) 4-Bromophenyl-phenylether	16.055	248	8490	3.624	ng	# 1
71) Phenanthrene	17.353	178	22340	2.457	ng	98
75) Fluoranthene	19.368	202	55974	4.493	ng	98
77) Benzidine	19.932	184	9983	5.363	ng	# 92
78) Pyrene	19.727	202	51123	4.179	ng	98
81) Benzo(a)anthracene	21.619	228	37277	2.961	ng	94
83) Chrysene	21.619	228	37277	3.160	ng	98
88) Benzo(b)fluoranthene	23.716	252	36677	2.838	ng	# 95
89) Benzo(k)fluoranthene	23.716	252	36677	2.950	ng	# 93
90) Benzo(a)pyrene	24.539	252	24038	2.135	ng	# 98

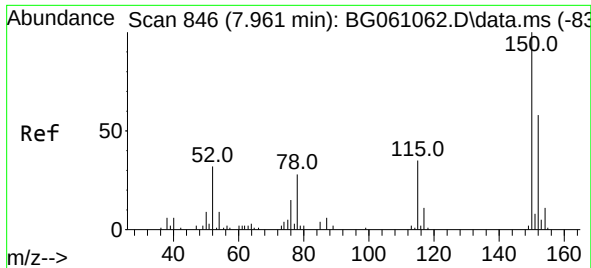
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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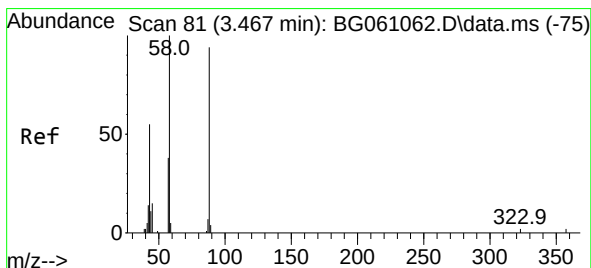
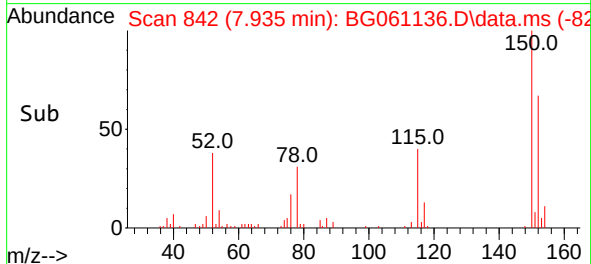
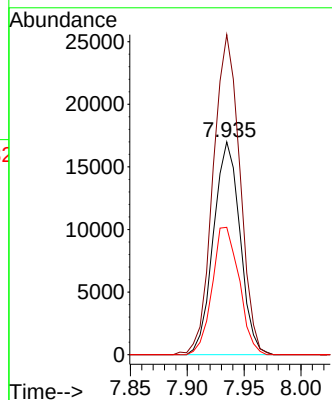
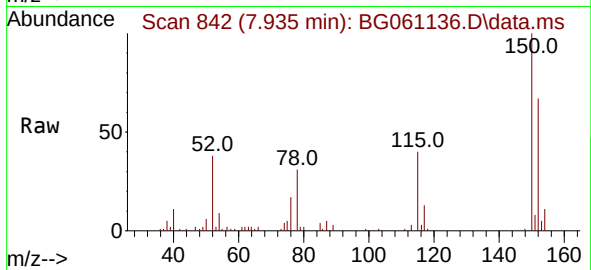




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.935 min Scan# 84
 Delta R.T. -0.026 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53

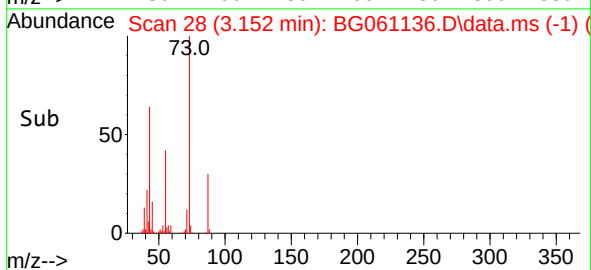
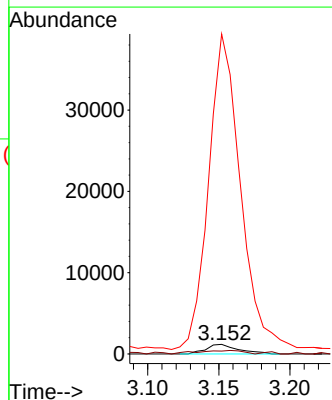
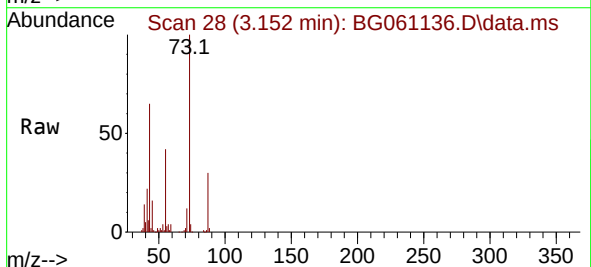
Instrument :
 BNA_G
 ClientSampleId :
 B-125-SB-01

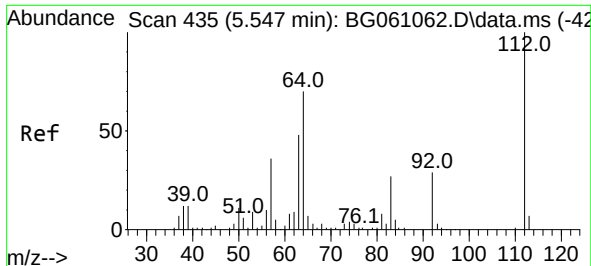
Tgt Ion:152 Resp: 27607
 Ion Ratio Lower Upper
 152 100
 150 150.4 138.3 207.5
 115 59.9 48.0 72.0



#2
 1,4-Dioxane
 Concen: 3.407 ng
 RT: 3.152 min Scan# 28
 Delta R.T. -0.315 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53

Tgt Ion: 88 Resp: 1870
 Ion Ratio Lower Upper
 88 100
 58 50.5 81.2 121.8#
 43 3278.2 45.0 67.4#

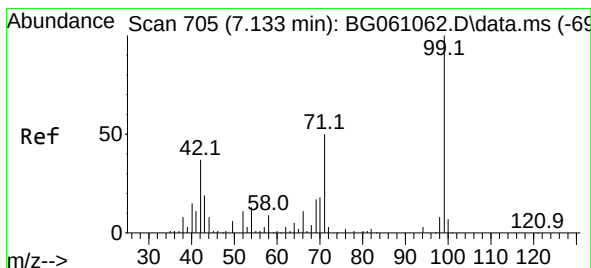
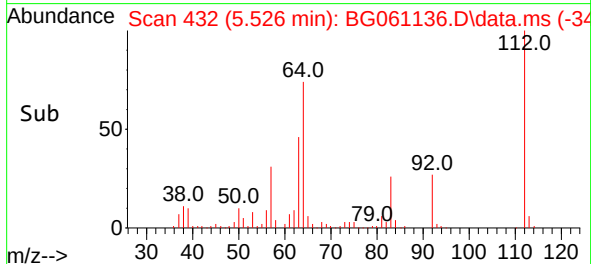
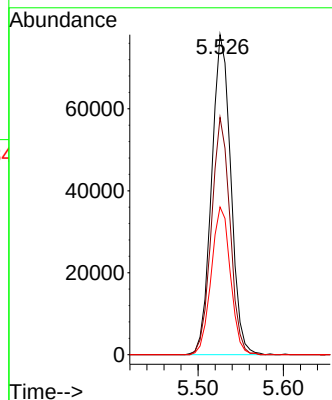
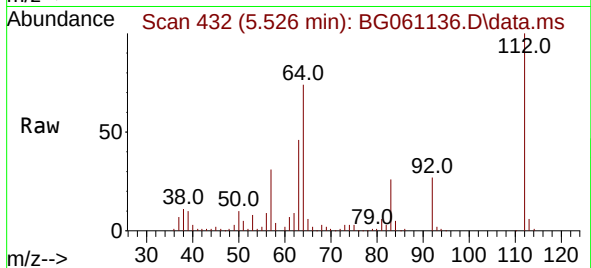




#5
2-Fluorophenol
Concen: 89.832 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

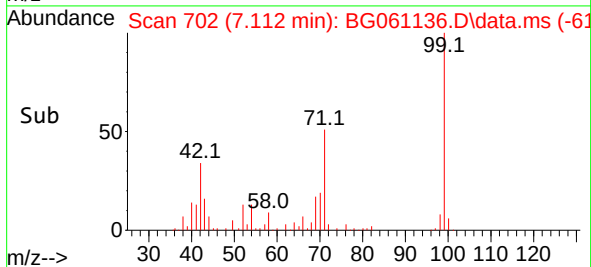
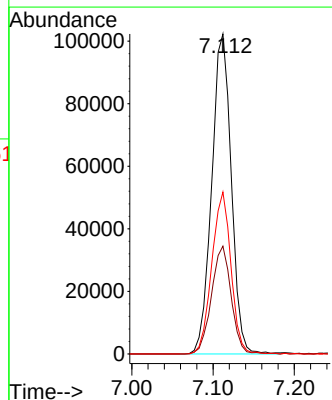
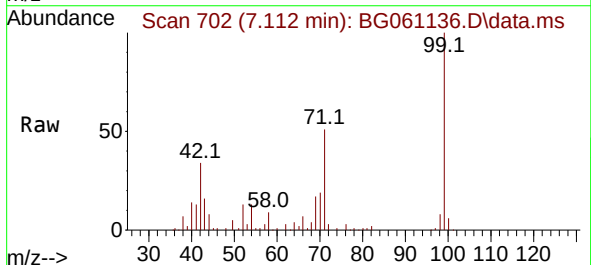
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

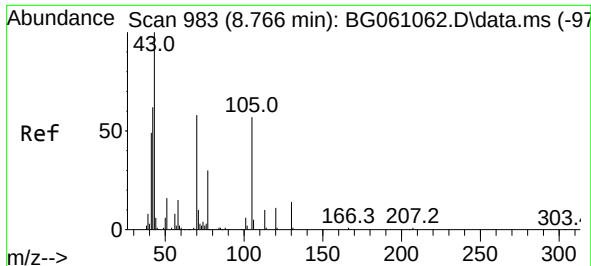
Tgt Ion:112 Resp: 121943
Ion Ratio Lower Upper
112 100
64 74.1 55.7 83.5
63 46.2 38.1 57.1



#7
Phenol-d6
Concen: 85.141 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion: 99 Resp: 170972
Ion Ratio Lower Upper
99 100
42 33.7 29.2 43.8
71 50.6 39.7 59.5

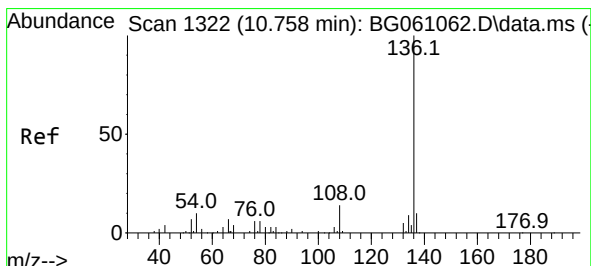
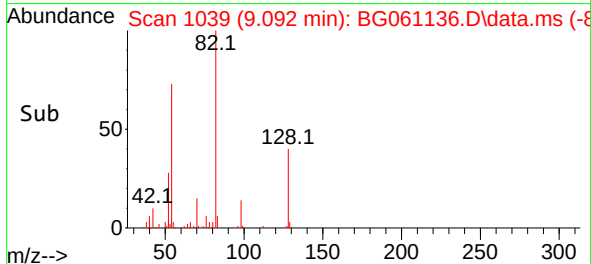
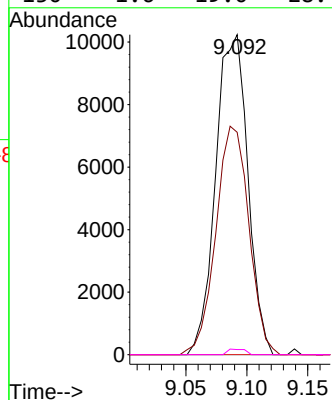
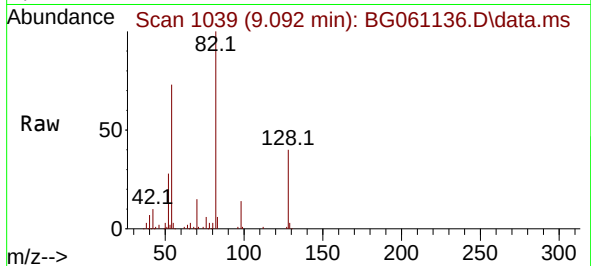




#19
n-Nitroso-di-n-propylamine
Concen: 12.480 ng
RT: 9.092 min Scan# 1039
Delta R.T. 0.326 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

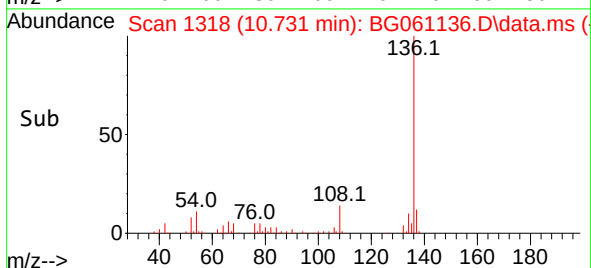
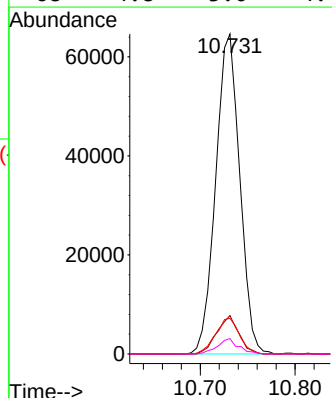
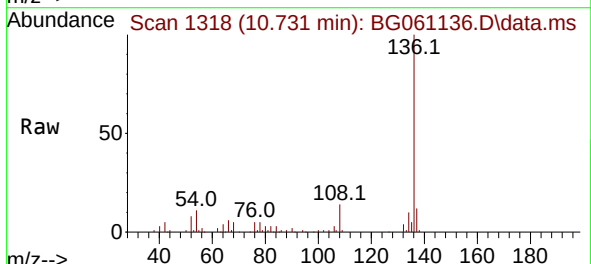
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

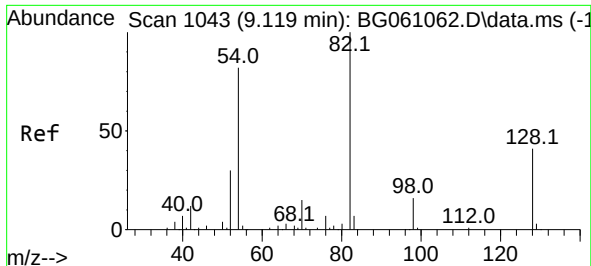
Tgt Ion: 70 Resp: 18755
Ion Ratio Lower Upper
70 100
42 69.5 86.4 129.6#
101 0.0 7.8 11.8#
130 1.6 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.027 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:136 Resp: 113929
Ion Ratio Lower Upper
136 100
137 12.0 7.8 11.6#
54 11.2 8.1 12.1
68 4.8 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 54.912 ng

RT: 9.086 min Scan# 1043

Delta R.T. -0.033 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

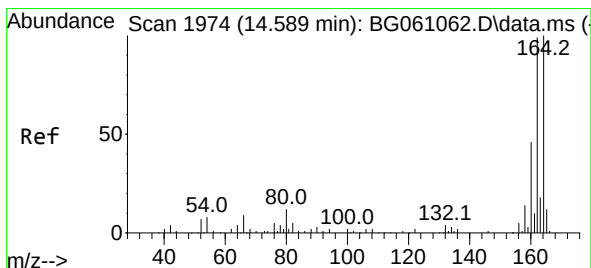
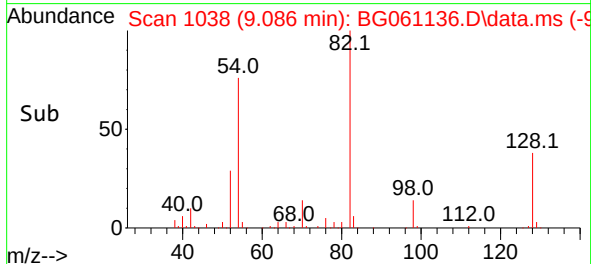
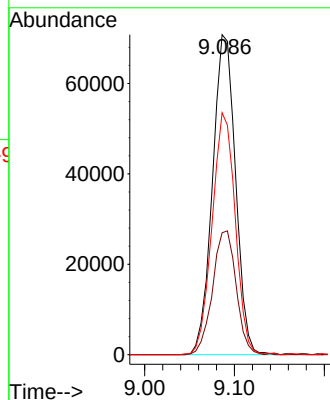
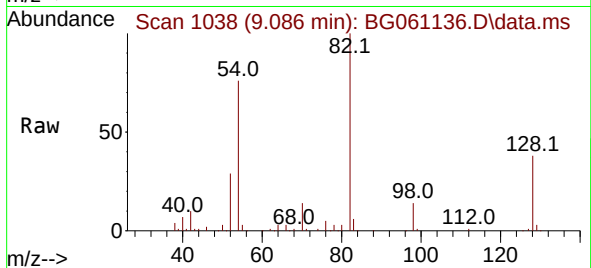
Tgt Ion: 82 Resp: 126201

Ion Ratio Lower Upper

82 100

128 38.1 32.7 49.1

54 75.6 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

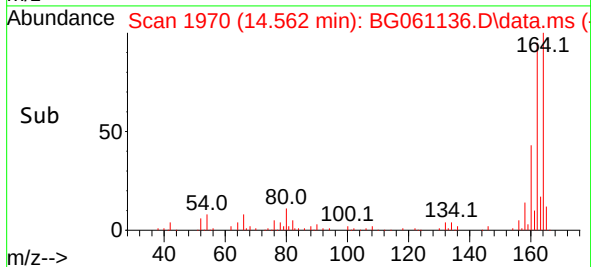
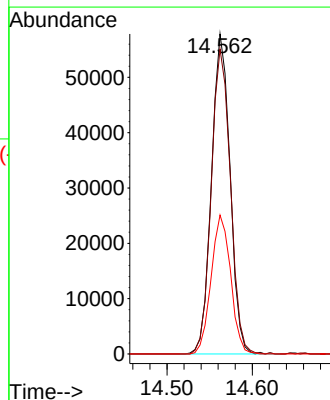
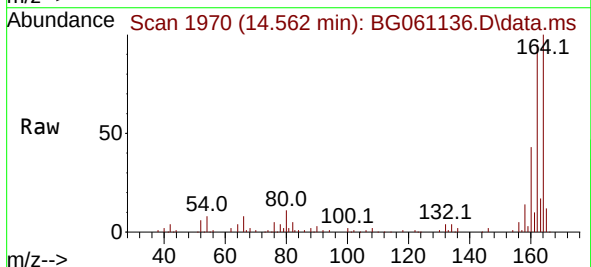
Tgt Ion:164 Resp: 87458

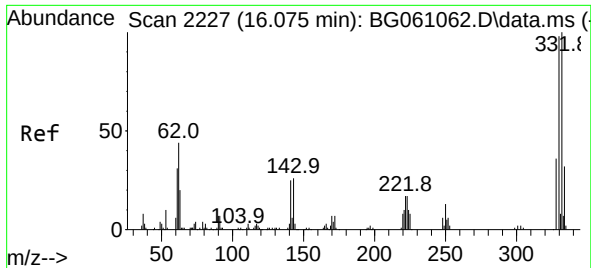
Ion Ratio Lower Upper

164 100

162 95.2 79.4 119.2

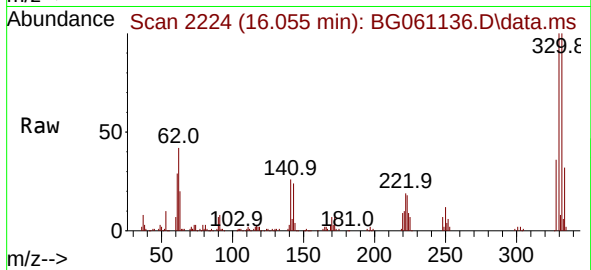
160 43.4 37.0 55.6



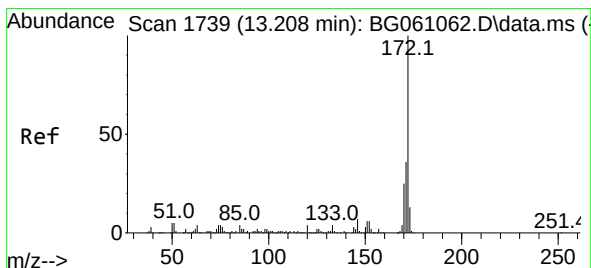
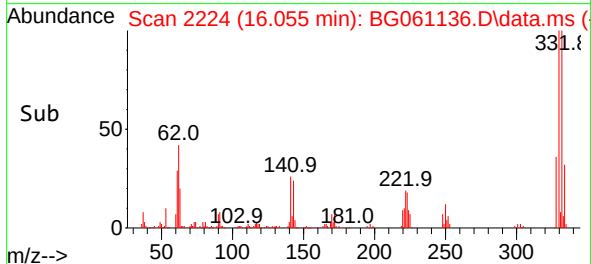
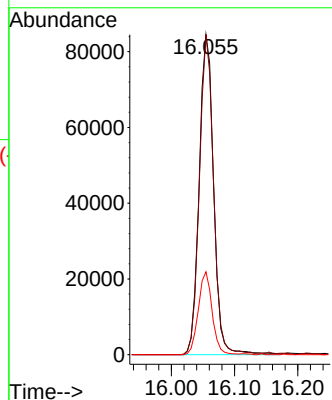


#42
2,4,6-Tribromophenol
Concen: 76.779 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

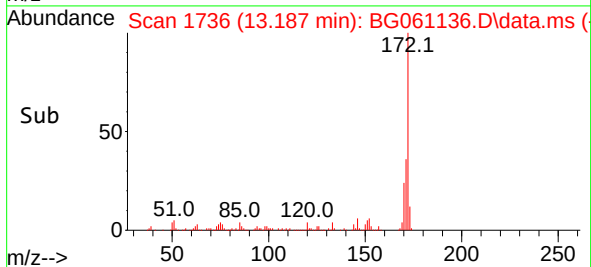
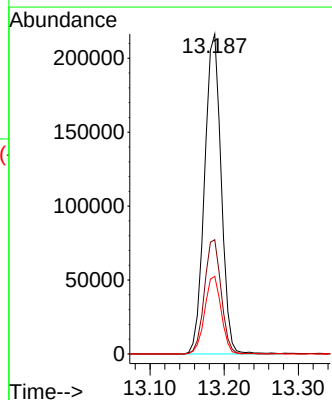
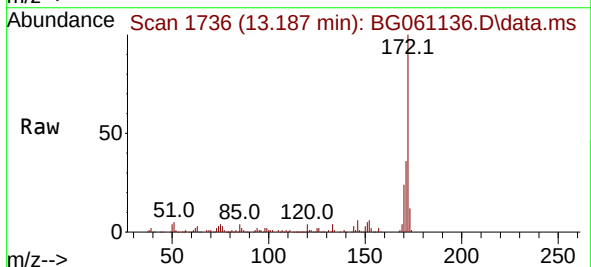


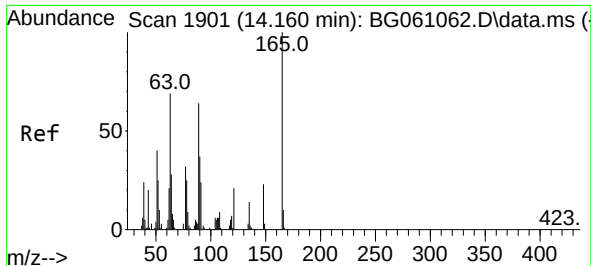
Tgt Ion:330 Resp: 134220
Ion Ratio Lower Upper
330 100
332 97.6 78.6 117.8
141 24.7 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 57.025 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:172 Resp: 337272
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 24.2 20.2 30.4

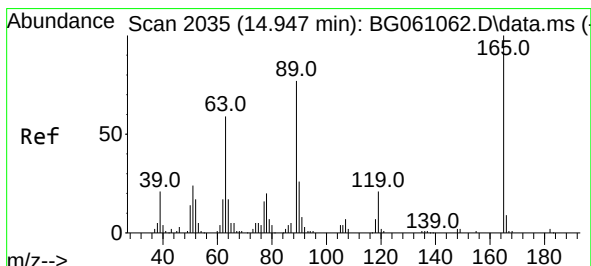
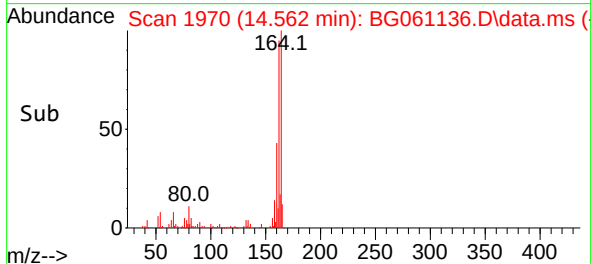
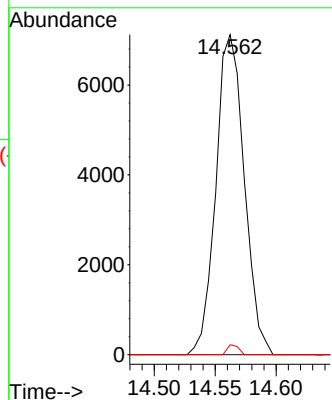
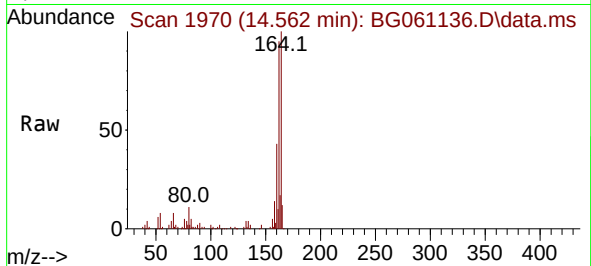




#51
2,6-Dinitrotoluene
Concen: 7.977 ng
RT: 14.562 min Scan# 1901
Delta R.T. 0.402 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

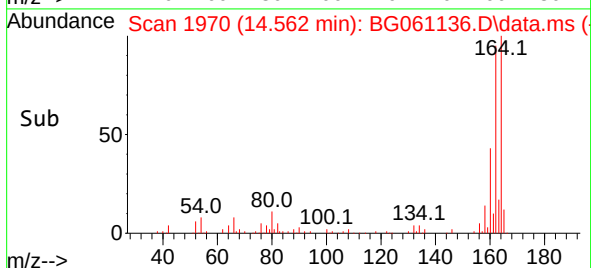
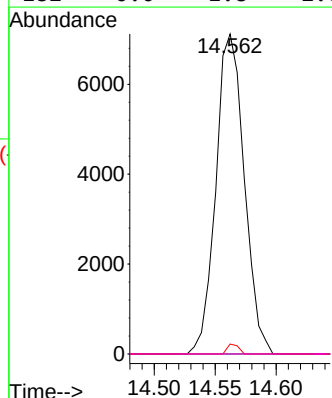
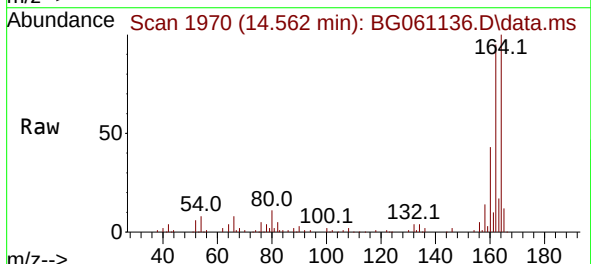
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BNA_G
ClientSampleId :
B-125-SB-01

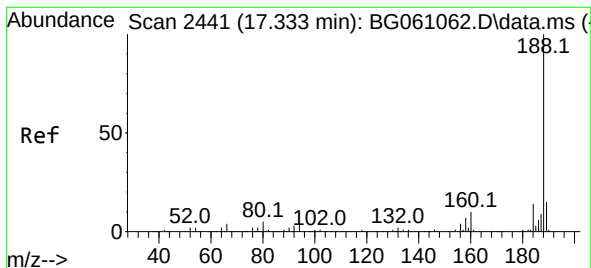
Tgt Ion:165 Resp: 11526
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 3.1 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.392 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:165 Resp: 11526
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 3.1 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 24

Delta R.T. -0.021 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

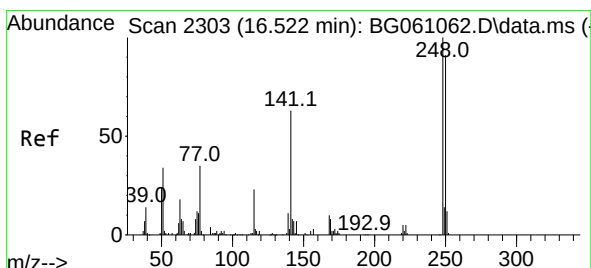
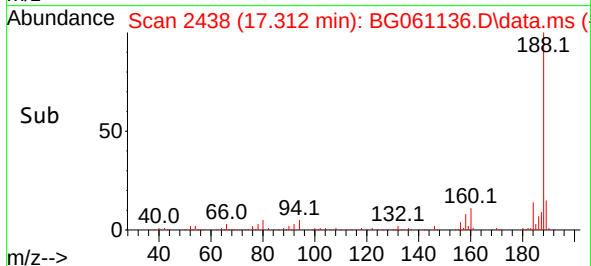
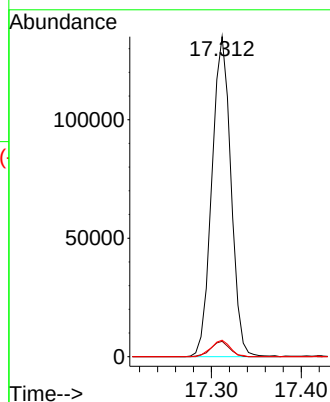
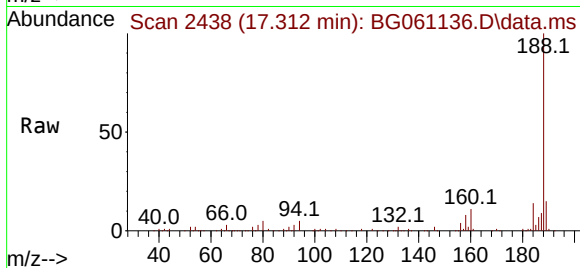
Tgt Ion:188 Resp: 198888

Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

80 5.2 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.624 ng

RT: 16.055 min Scan# 2224

Delta R.T. -0.467 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

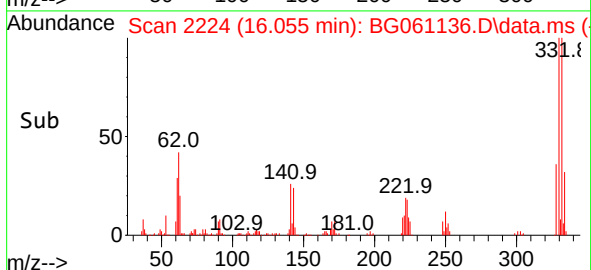
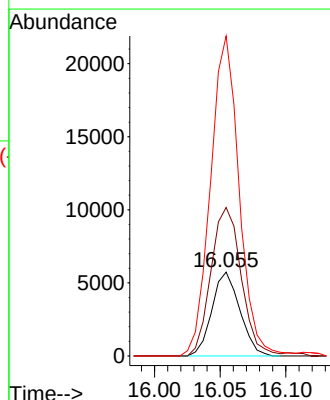
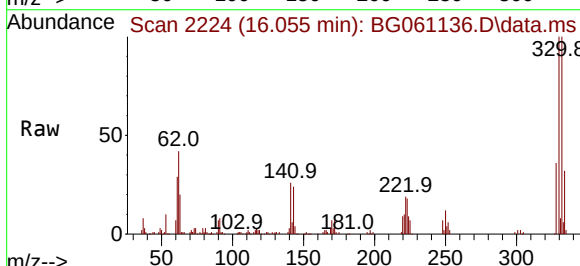
Tgt Ion:248 Resp: 8490

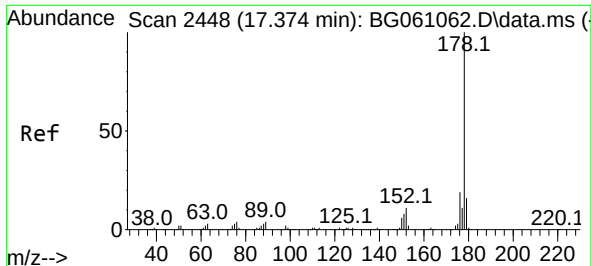
Ion Ratio Lower Upper

248 100

250 177.0 73.0 109.4#

141 381.5 50.8 76.2#

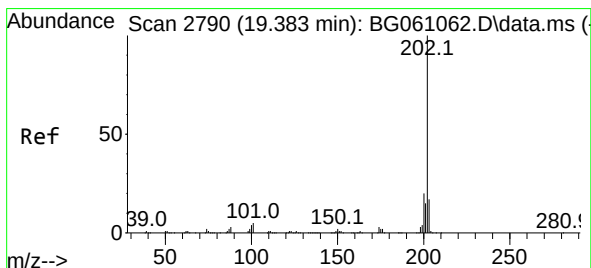
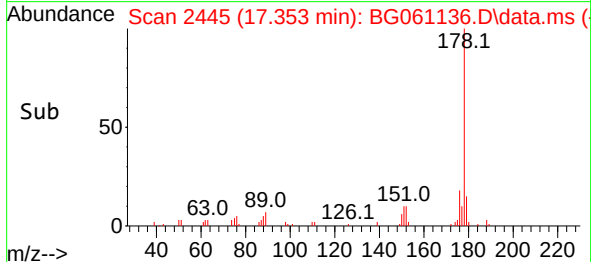
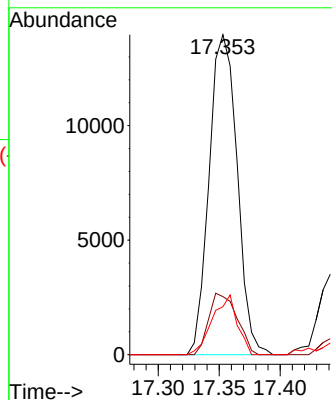
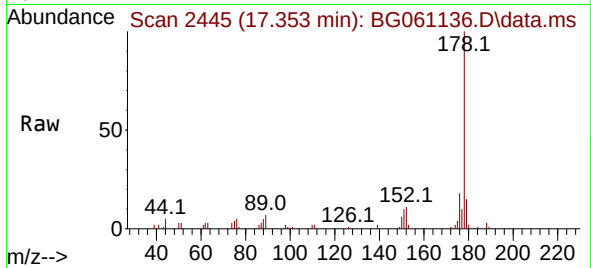




#71
Phenanthrene
Concen: 2.457 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

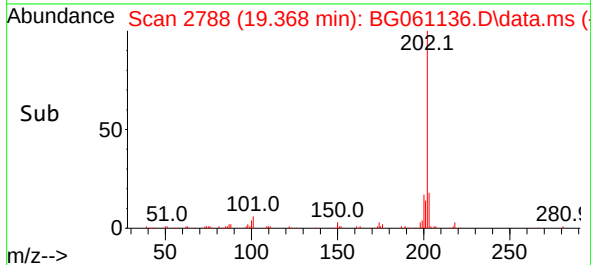
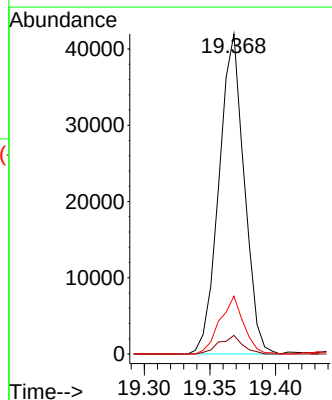
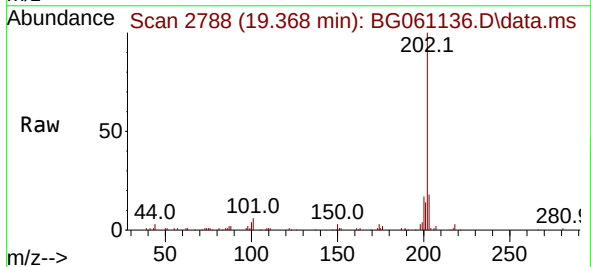
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

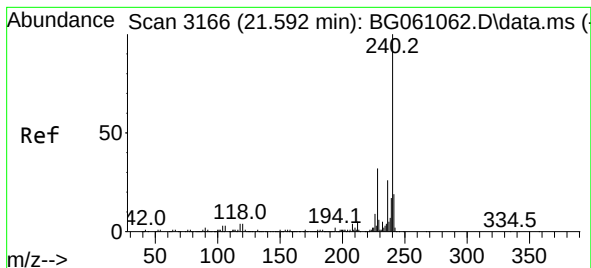
Tgt Ion:178 Resp: 22340
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.0 12.6 19.0



#75
Fluoranthene
Concen: 4.493 ng
RT: 19.368 min Scan# 2788
Delta R.T. -0.015 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:202 Resp: 55974
Ion Ratio Lower Upper
202 100
101 5.8 0.0 24.7
203 18.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.021 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

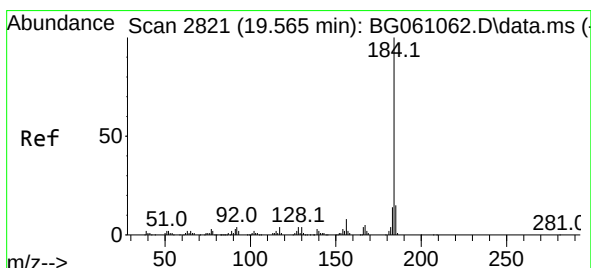
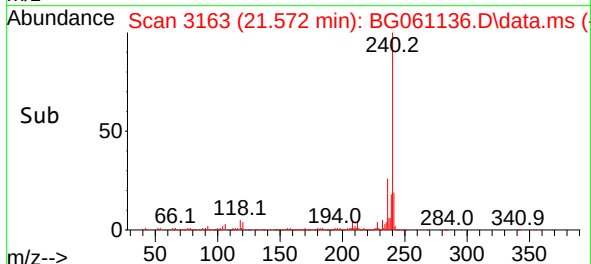
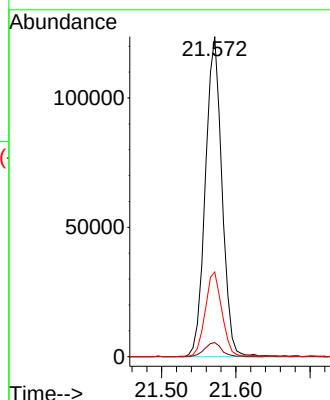
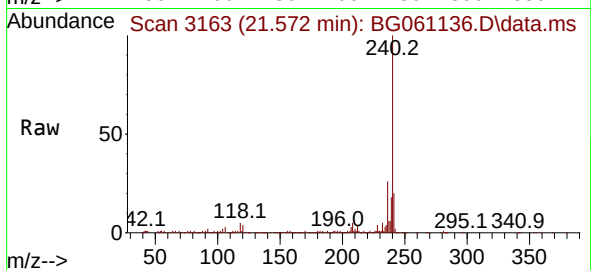
Tgt Ion:240 Resp: 192404

Ion Ratio Lower Upper

240 100

120 4.4 3.2 4.8

236 26.5 21.0 31.6



#77

Benzidine

Concen: 5.363 ng

RT: 19.932 min Scan# 2884

Delta R.T. 0.367 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

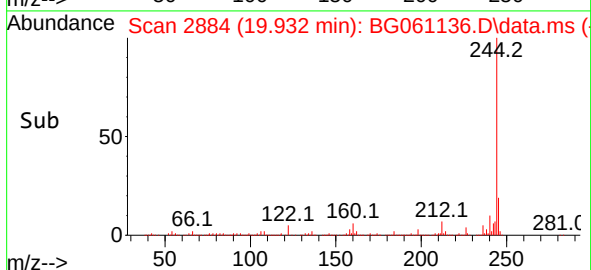
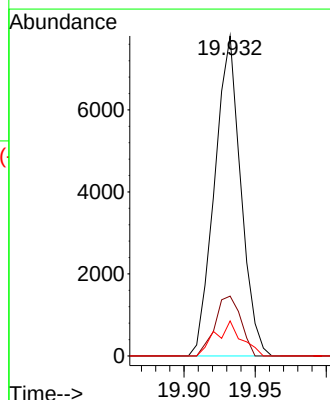
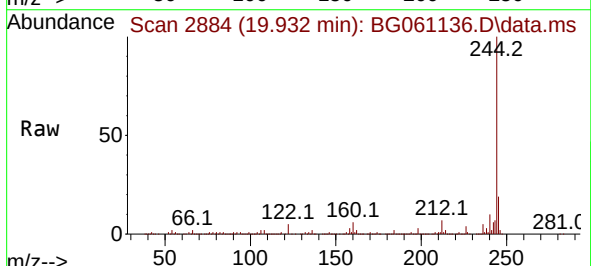
Tgt Ion:184 Resp: 9983

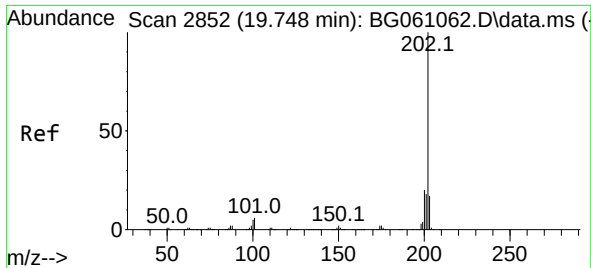
Ion Ratio Lower Upper

184 100

185 18.7 12.0 18.0#

183 11.0 10.9 16.3

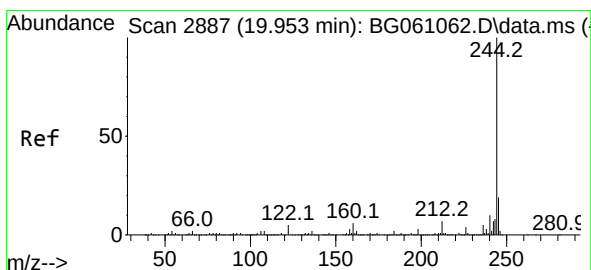
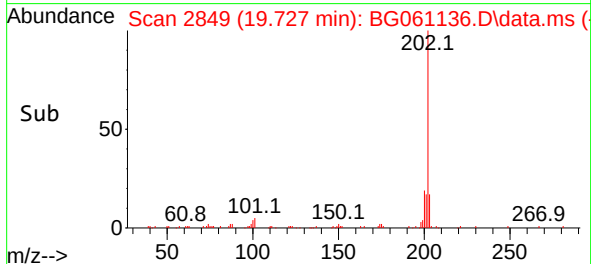
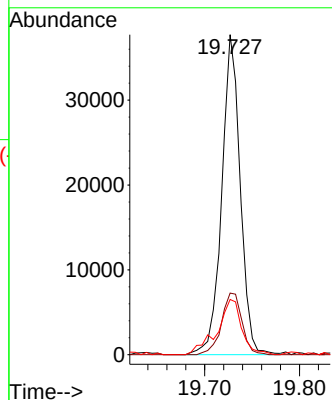
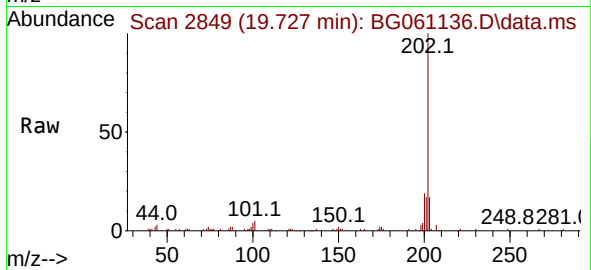




#78
 Pyrene
 Concen: 4.179 ng
 RT: 19.727 min Scan# 2849
 Delta R.T. -0.021 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53

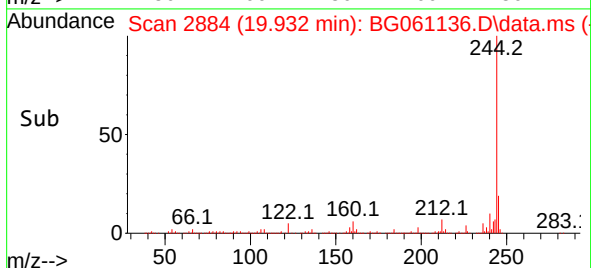
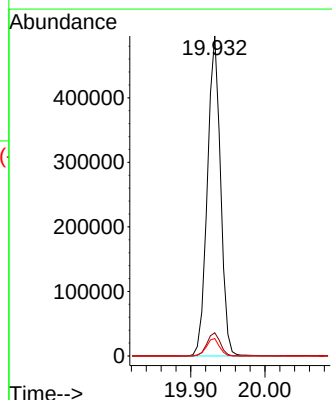
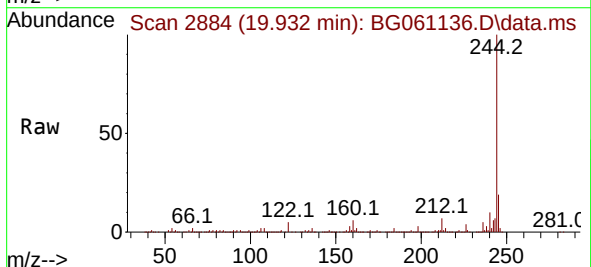
Instrument :
 BNA_G
 ClientSampleId :
 B-125-SB-01

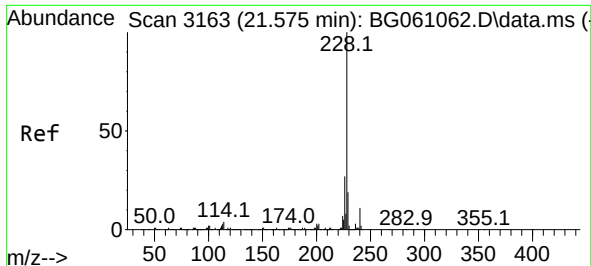
Tgt Ion:202 Resp: 51123
 Ion Ratio Lower Upper
 202 100
 200 19.3 16.2 24.4
 203 17.2 13.3 19.9



#79
 Terphenyl-d14
 Concen: 52.933 ng
 RT: 19.932 min Scan# 2884
 Delta R.T. -0.021 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53

Tgt Ion:244 Resp: 612371
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.5 4.2 6.2

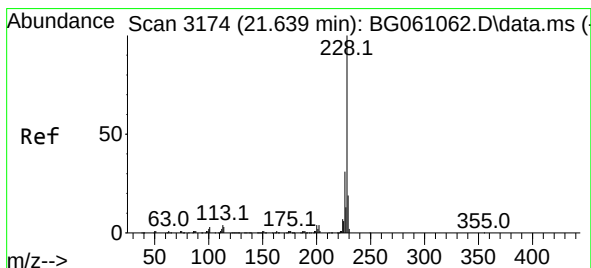
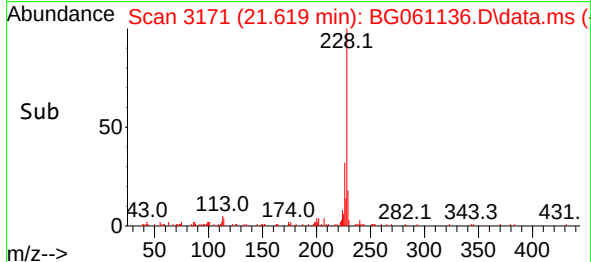
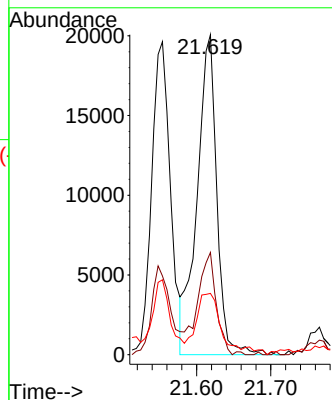
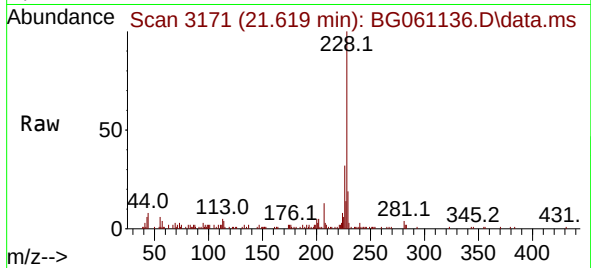




#81
Benzo(a)anthracene
Concen: 2.961 ng
RT: 21.619 min Scan# 3163
Delta R.T. 0.044 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

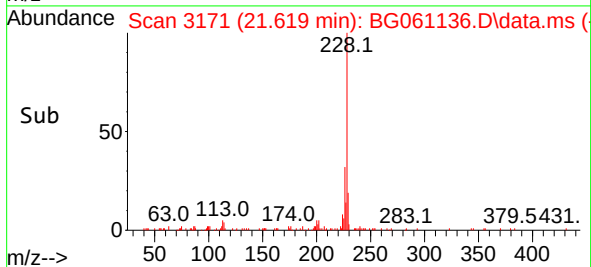
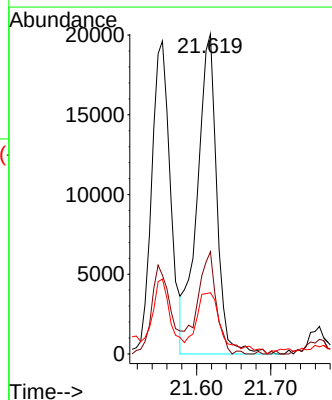
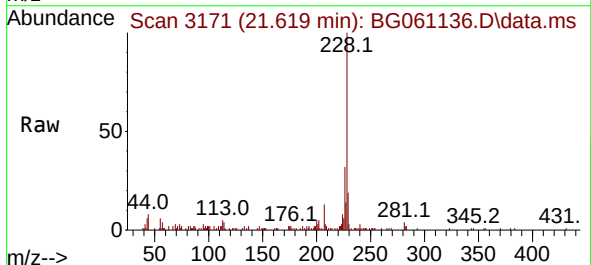
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

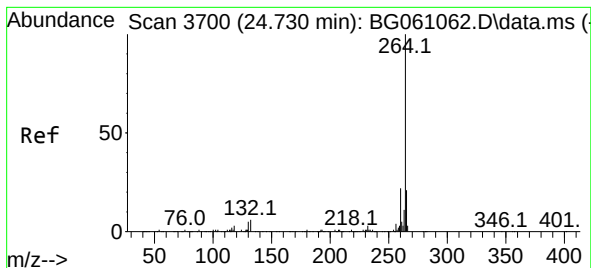
Tgt Ion:228 Resp: 37277
Ion Ratio Lower Upper
228 100
226 32.0 21.6 32.4
229 19.2 15.0 22.4



#83
Chrysene
Concen: 3.160 ng
RT: 21.619 min Scan# 3171
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:228 Resp: 37277
Ion Ratio Lower Upper
228 100
226 32.0 24.4 36.6
229 19.2 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.703 min Scan# 3

Delta R.T. -0.027 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

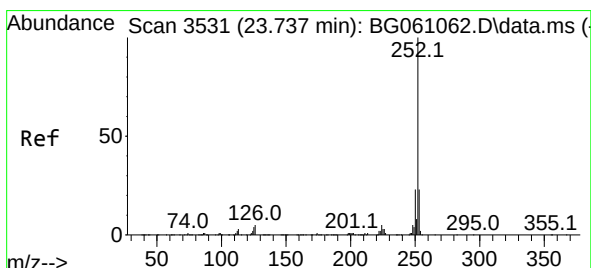
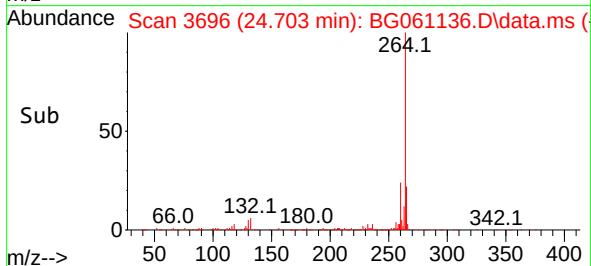
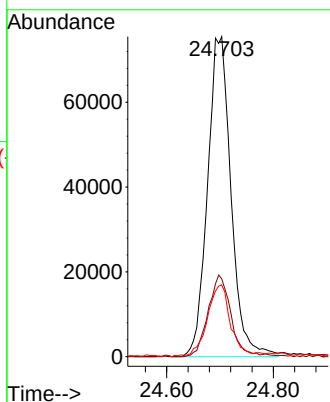
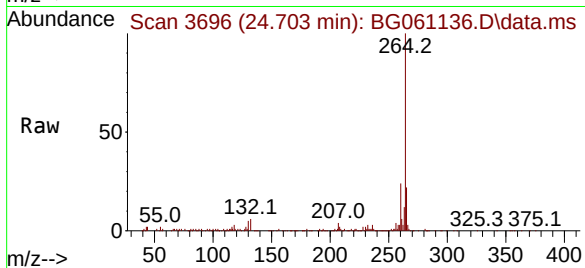
Tgt Ion:264 Resp: 231253

Ion Ratio Lower Upper

264 100

260 24.3 17.7 26.5

265 22.5 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 2.838 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.021 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

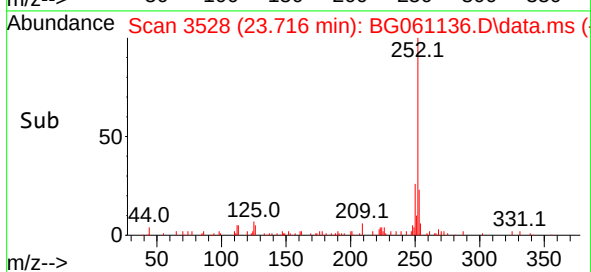
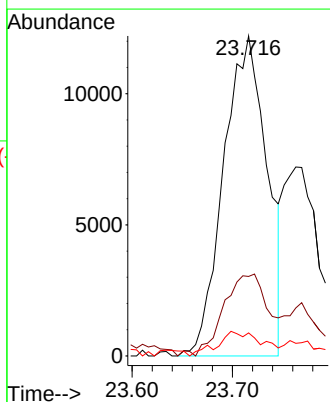
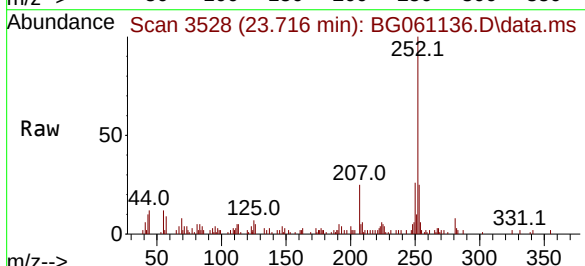
Tgt Ion:252 Resp: 36677

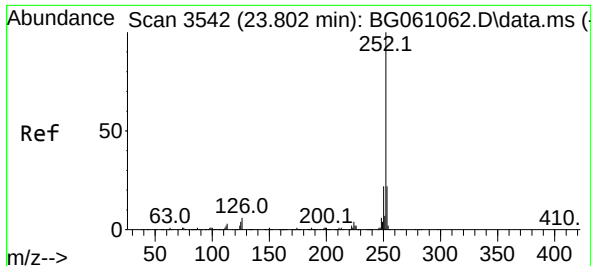
Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

125 7.2 3.4 5.0#

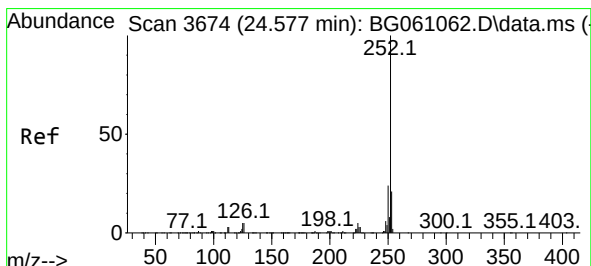
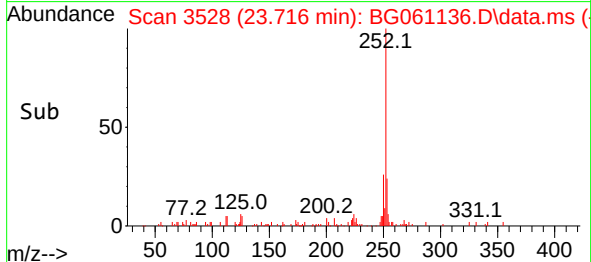
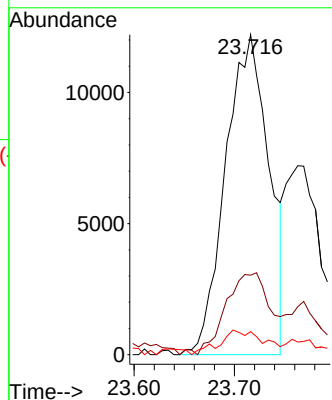
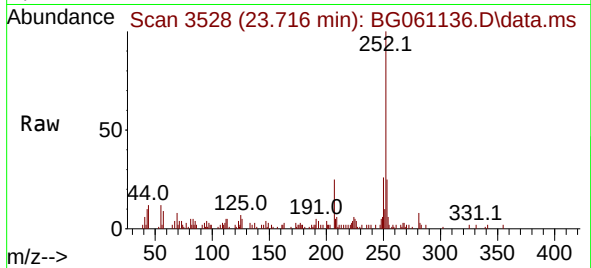




#89
Benzo(k)fluoranthene
Concen: 2.950 ng
RT: 23.716 min Scan# 31
Delta R.T. -0.086 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

Tgt Ion:252 Resp: 36677
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 7.2 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 2.135 ng
RT: 24.539 min Scan# 3668
Delta R.T. -0.038 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:252 Resp: 24038
Ion Ratio Lower Upper
252 100
253 20.6 16.9 25.3
125 6.5 3.8 5.8#

