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 Data File : BG061143.D
 Acq On : 8 May 2024 15:47
 Operator : MA/JU
 Sample : P2408-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BIN-1

Quant Time: May 08 16:30:48 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

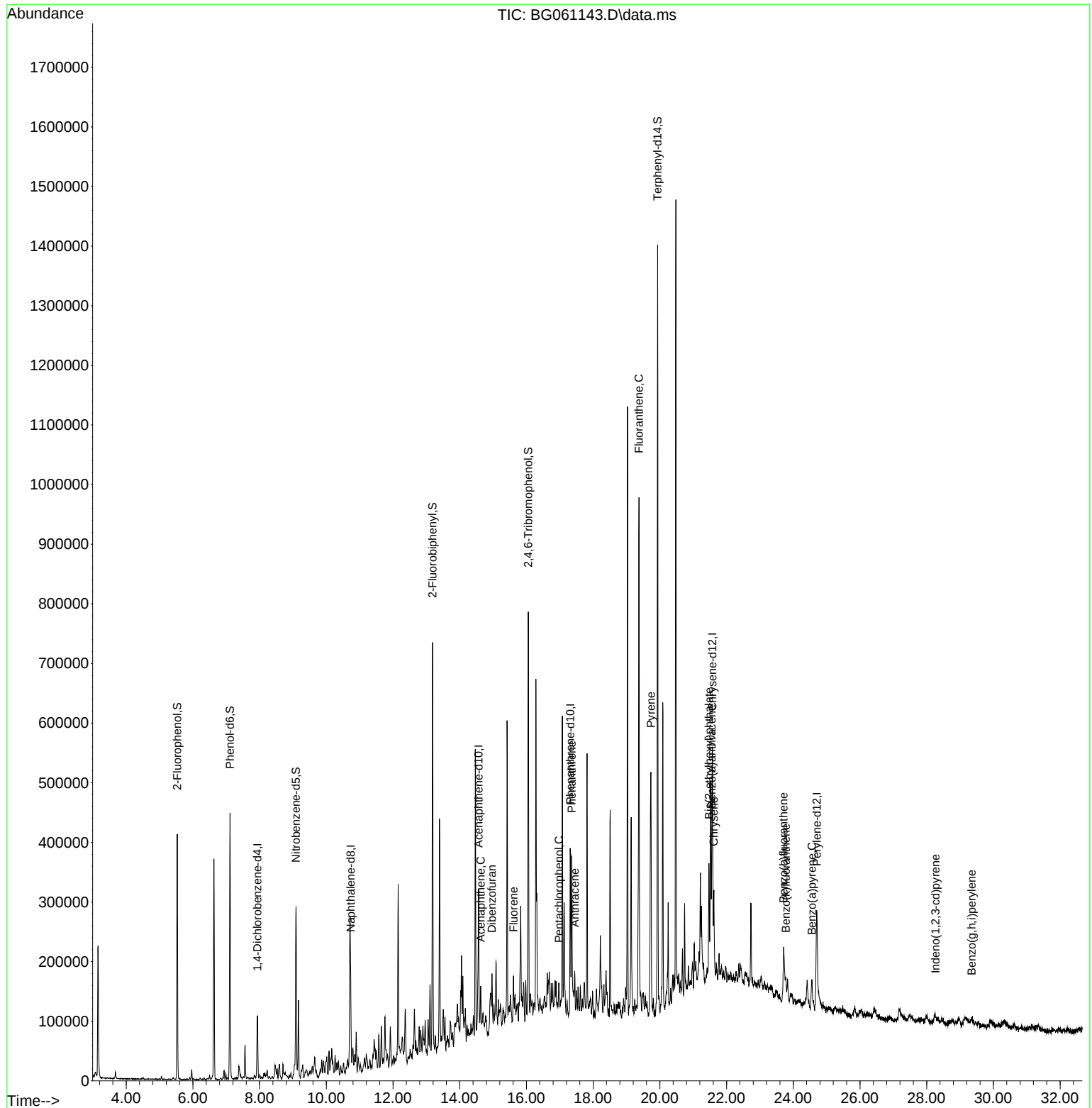
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	26600	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	103449	20.000	ng	#-0.03
39) Acenaphthene-d10	14.568	164	77091	20.000	ng	-0.02
64) Phenanthrene-d10	17.312	188	167841	20.000	ng	-0.02
76) Chrysene-d12	21.578	240	174368	20.000	ng	-0.01
86) Perylene-d12	24.704	264	212230	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	146076	111.684	ng	-0.01
7) Phenol-d6	7.112	99	197305	101.974	ng	-0.02
23) Nitrobenzene-d5	9.092	82	145770	69.852	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	142858	92.710	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	355570	68.203	ng	-0.02
79) Terphenyl-d14	19.933	244	616386	58.792	ng	-0.02
Target Compounds						
						Qvalue
52) Acenaphthene	14.627	154	22222	5.860	ng	95
55) Dibenzofuran	14.962	168	24352	3.802	ng	# 94
58) Fluorene	15.614	166	25285	4.562	ng	# 91
70) Pentachlorophenol	16.977	266	5412m	3.580	ng	
71) Phenanthrene	17.359	178	165608	21.579	ng	97
72) Anthracene	17.447	178	35336	4.614	ng	96
75) Fluoranthene	19.375	202	360715	34.309	ng	100
78) Pyrene	19.733	202	269066	24.272	ng	98
81) Benzo(a)anthracene	21.554	228	99810	8.747	ng	98
83) Chrysene	21.619	228	102659	9.603	ng	97
84) Bis(2-ethylhexyl)phtha...	21.472	149	15132	3.302	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.264	276	31608m	2.247	ng	
88) Benzo(b)fluoranthene	23.711	252	106363	8.969	ng	# 98
89) Benzo(k)fluoranthene	23.775	252	38754m	3.397	ng	
90) Benzo(a)pyrene	24.557	252	57759	5.590	ng	# 93
92) Benzo(g,h,i)perylene	29.351	276	28095m	2.427	ng	

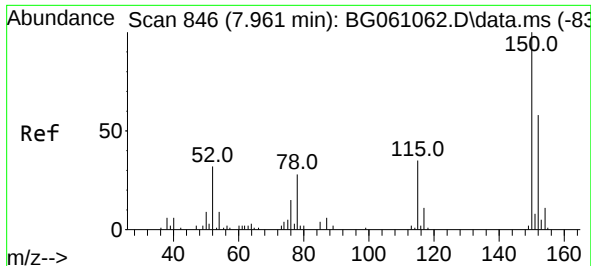
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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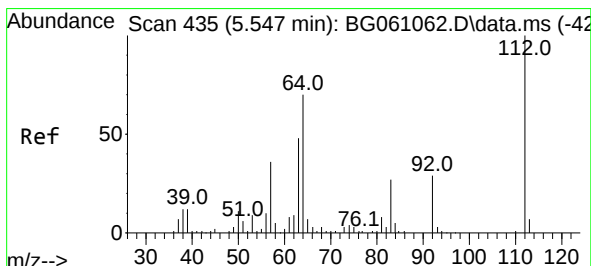
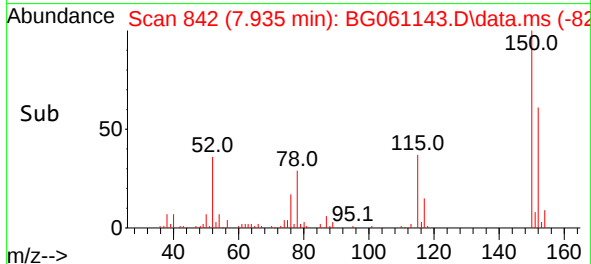
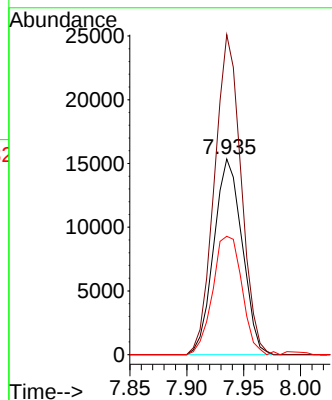
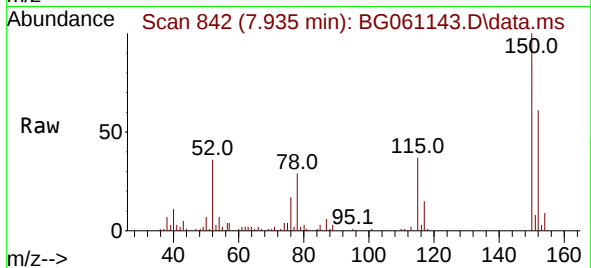




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

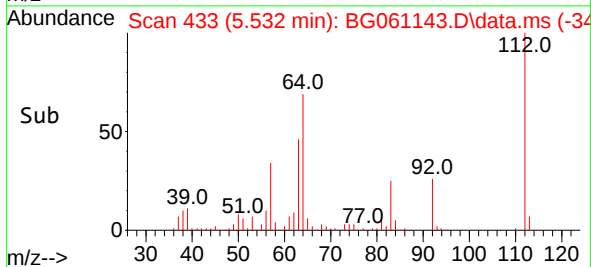
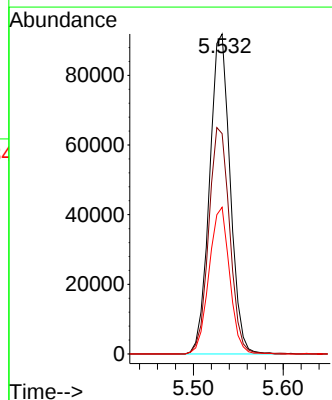
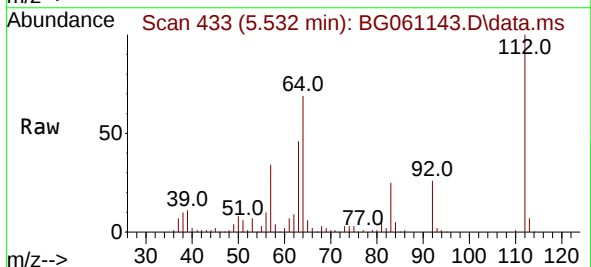
Instrument :
BNA_G
ClientSampleId :
BIN-1

Tgt Ion:152 Resp: 26600
Ion Ratio Lower Upper
152 100
150 163.6 138.3 207.5
115 60.5 48.0 72.0



#5
2-Fluorophenol
Concen: 111.684 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.015 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

Tgt Ion:112 Resp: 146076
Ion Ratio Lower Upper
112 100
64 68.9 55.7 83.5
63 45.8 38.1 57.1

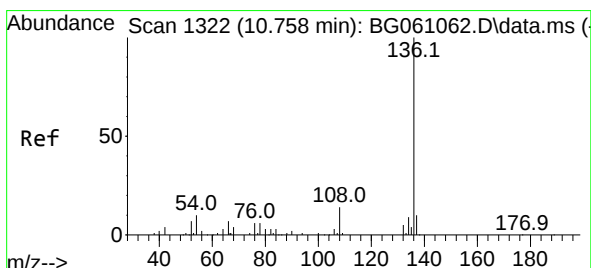
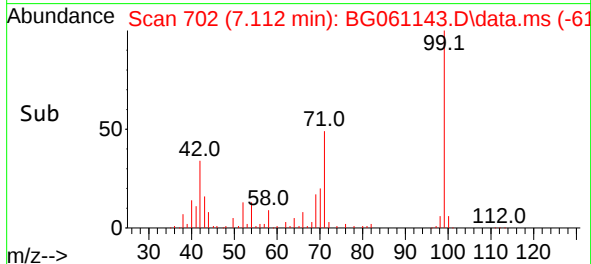
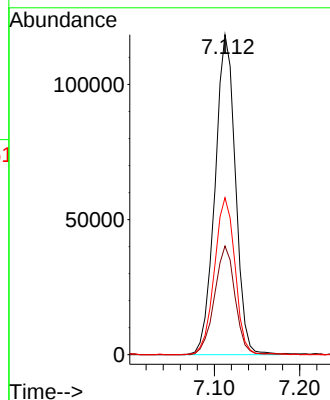
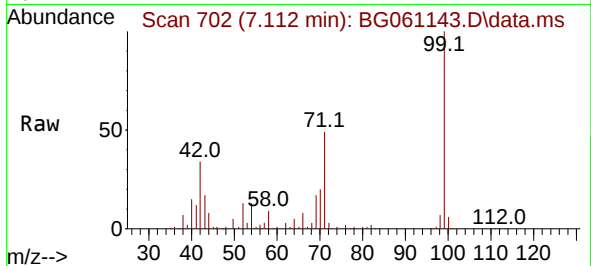




#7
Phenol-d6
Concen: 101.974 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

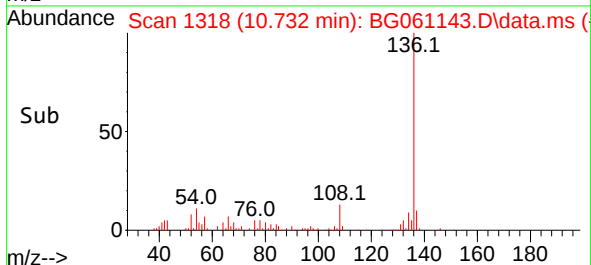
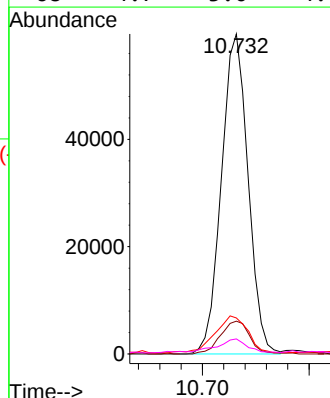
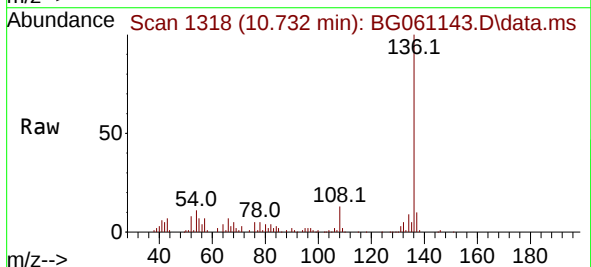
Instrument :
BNA_G
ClientSampleId :
BIN-1

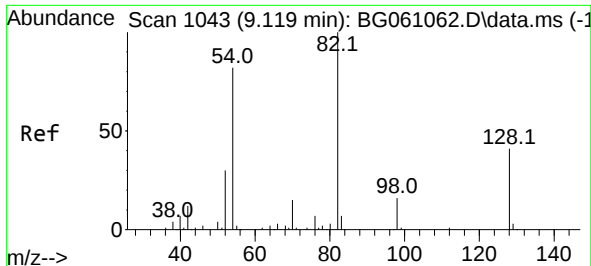
Tgt Ion: 99 Resp: 197305
Ion Ratio Lower Upper
99 100
42 34.0 29.2 43.8
71 49.1 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

Tgt Ion:136 Resp: 103449
Ion Ratio Lower Upper
136 100
137 10.2 7.8 11.6
54 11.2 8.1 12.1
68 4.7 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 69.852 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.026 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

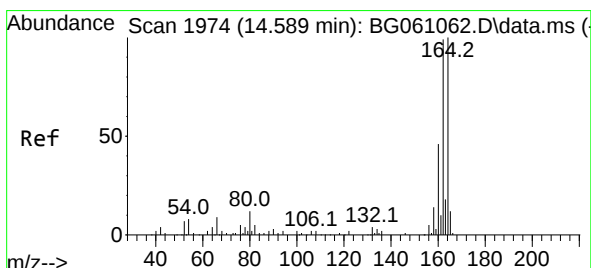
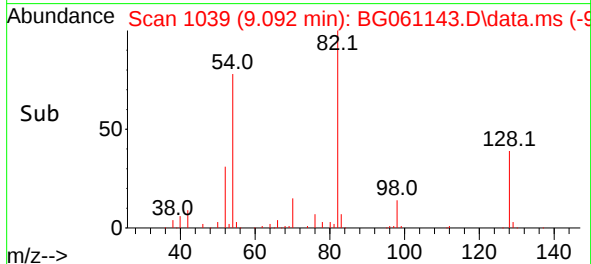
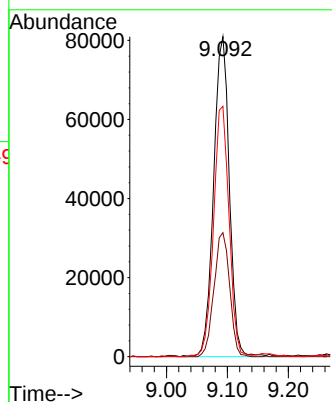
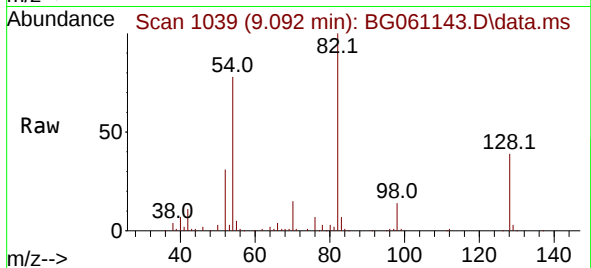
Tgt Ion: 82 Resp: 145770

Ion Ratio Lower Upper

82 100

128 38.8 32.7 49.1

54 78.2 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.020 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

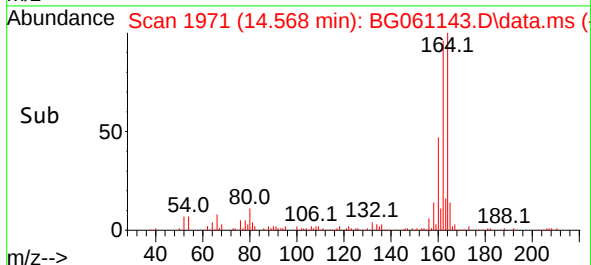
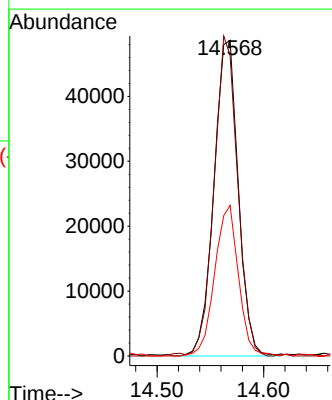
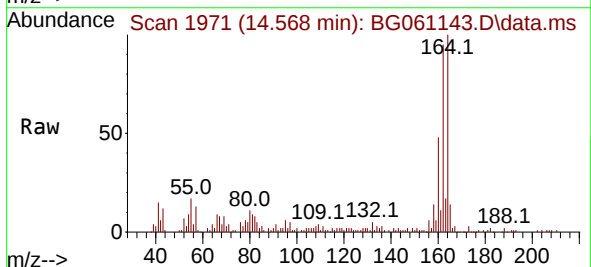
Tgt Ion:164 Resp: 77091

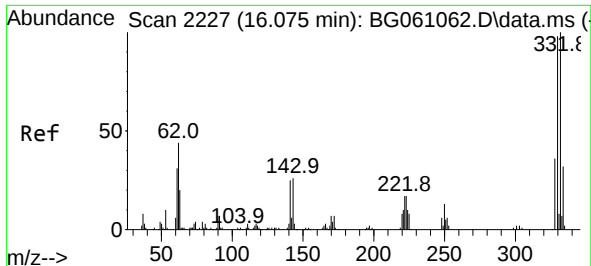
Ion Ratio Lower Upper

164 100

162 95.2 79.4 119.2

160 47.7 37.0 55.6

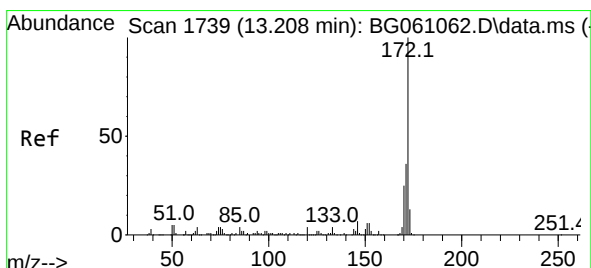
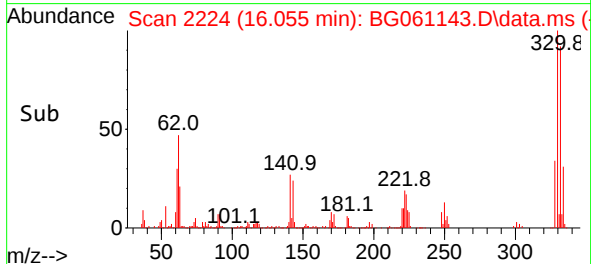
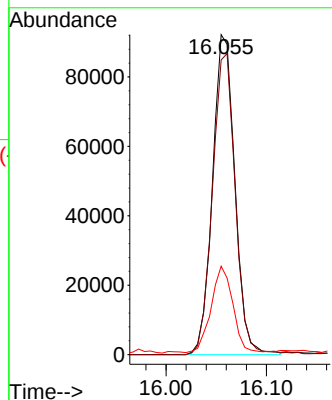
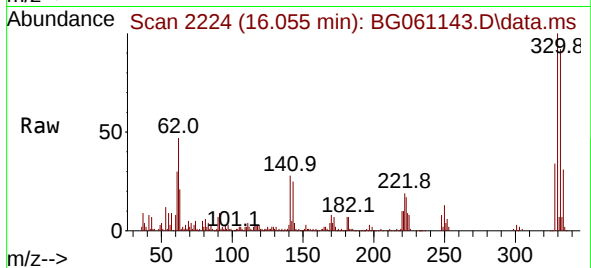




#42
2,4,6-Tribromophenol
Concen: 92.710 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

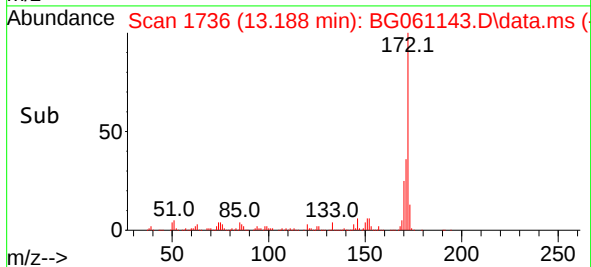
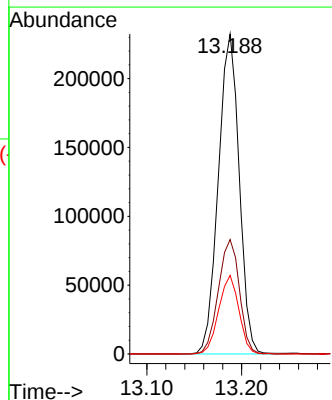
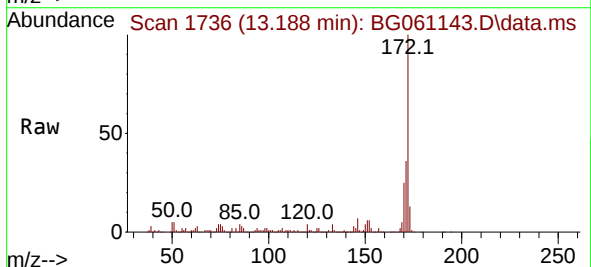
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BNA_G
ClientSampleId :
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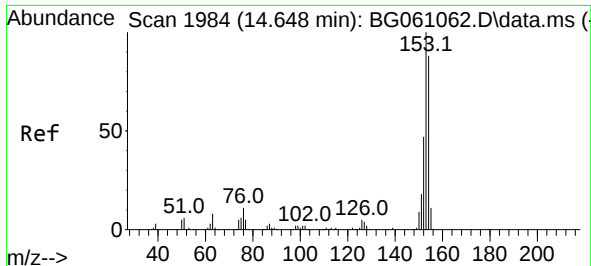
Tgt Ion:330 Resp: 142858
Ion Ratio Lower Upper
330 100
332 96.3 78.6 117.8
141 26.1 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 68.203 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

Tgt Ion:172 Resp: 355570
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 24.5 20.2 30.4

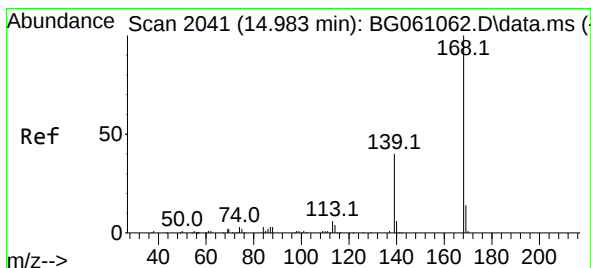
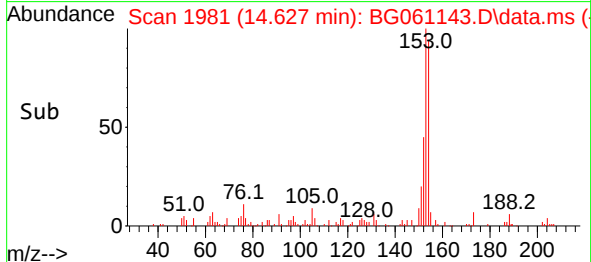
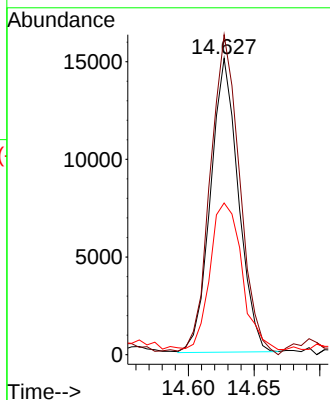
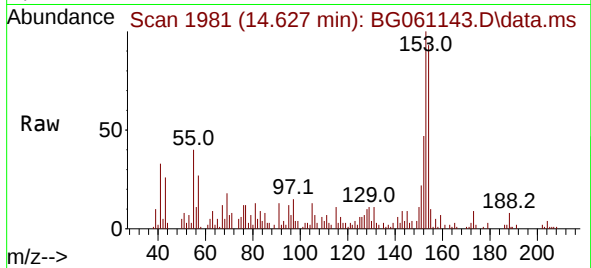




#52
Acenaphthene
Concen: 5.860 ng
RT: 14.627 min Scan# 1984
Delta R.T. -0.020 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

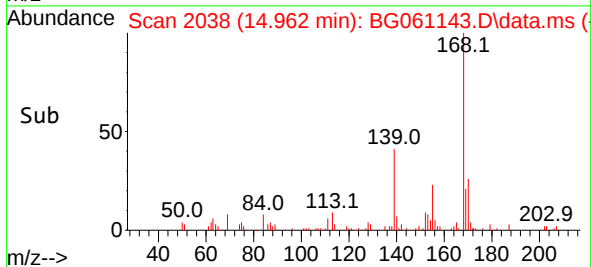
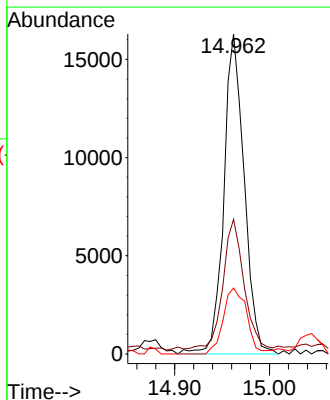
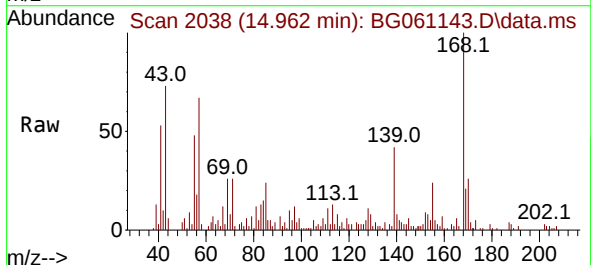
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ClientSampleId :
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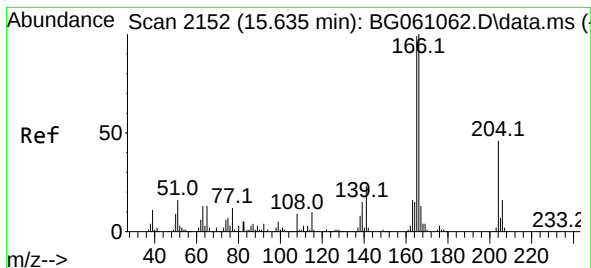
Tgt Ion:154 Resp: 22222
Ion Ratio Lower Upper
154 100
153 108.0 91.0 136.4
152 51.2 43.1 64.7



#55
Dibenzofuran
Concen: 3.802 ng
RT: 14.962 min Scan# 2038
Delta R.T. -0.020 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

Tgt Ion:168 Resp: 24352
Ion Ratio Lower Upper
168 100
139 42.1 32.2 48.4
169 20.6 11.4 17.2#





#58

Fluorene

Concen: 4.562 ng

RT: 15.614 min Scan# 2152

Delta R.T. -0.020 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

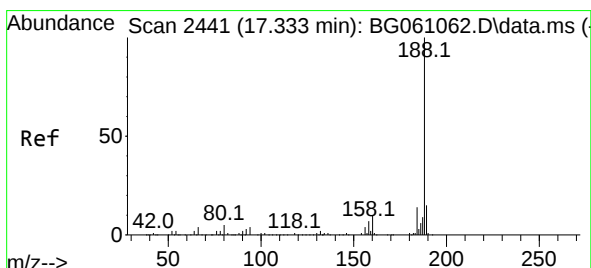
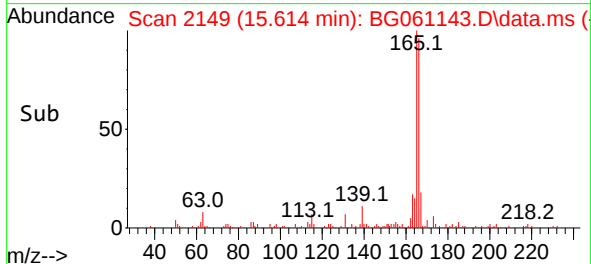
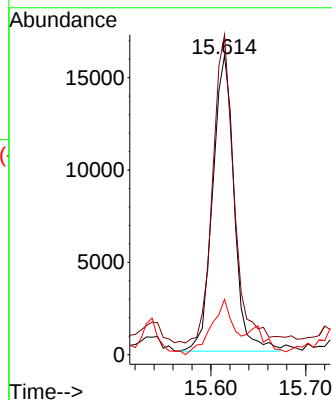
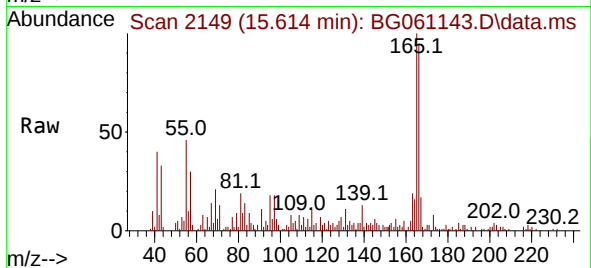
Tgt Ion:166 Resp: 25285

Ion Ratio Lower Upper

166 100

165 106.9 78.9 118.3

167 18.5 10.6 15.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2438

Delta R.T. -0.020 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

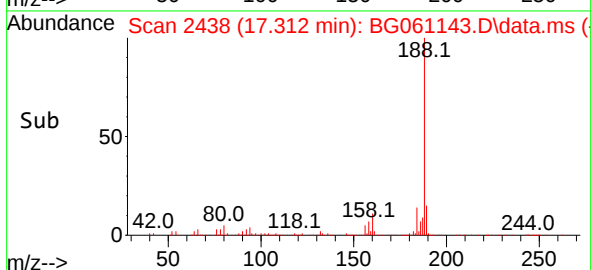
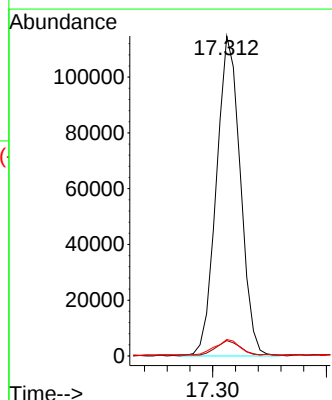
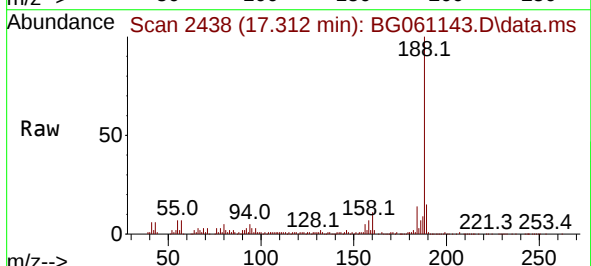
Tgt Ion:188 Resp: 167841

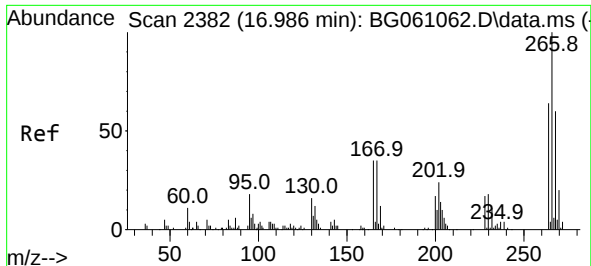
Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

80 5.2 4.2 6.2

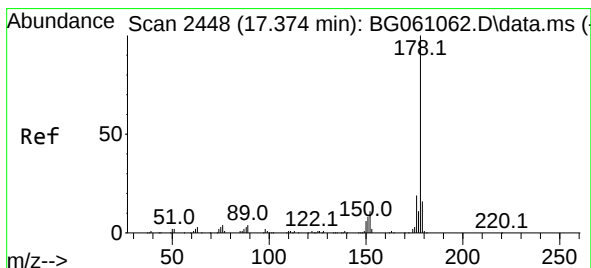
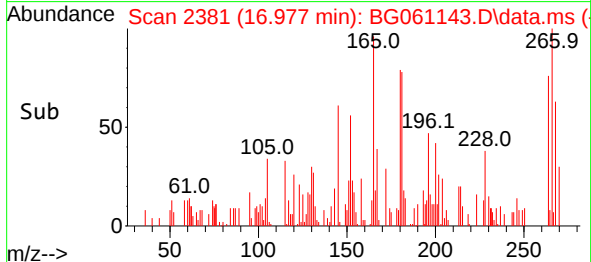
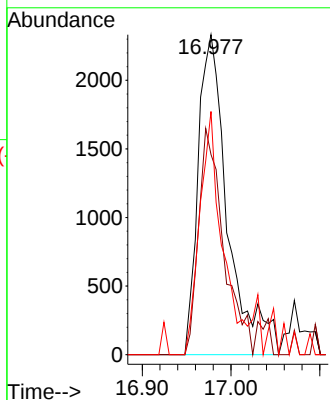
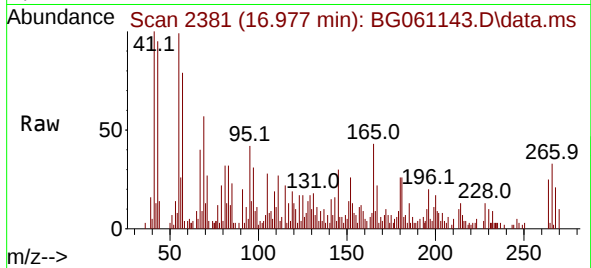




#70
 Pentachlorophenol
 Concen: 3.580 ng m
 RT: 16.977 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG061143.D
 Acq: 8 May 2024 15:47

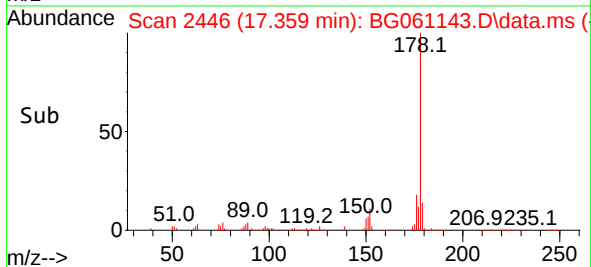
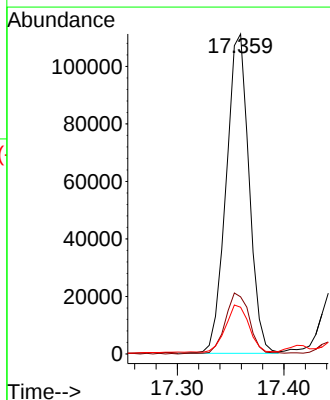
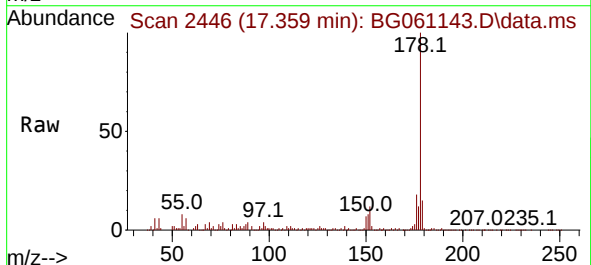
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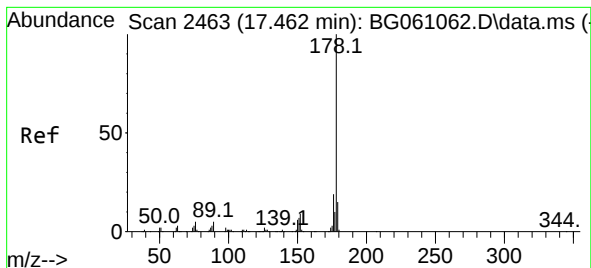
Tgt Ion:266 Resp: 5412
 Ion Ratio Lower Upper
 266 100
 268 62.5 47.8 71.8
 264 76.0 51.5 77.3



#71
 Phenanthrene
 Concen: 21.579 ng
 RT: 17.359 min Scan# 2446
 Delta R.T. -0.015 min
 Lab File: BG061143.D
 Acq: 8 May 2024 15:47

Tgt Ion:178 Resp: 165608
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.5 23.3
 179 14.6 12.6 19.0





#72

Anthracene

Concen: 4.614 ng

RT: 17.447 min Scan# 2461

Delta R.T. -0.015 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

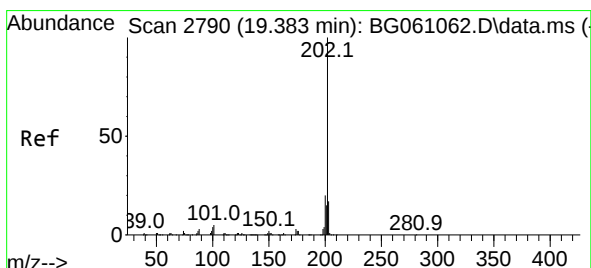
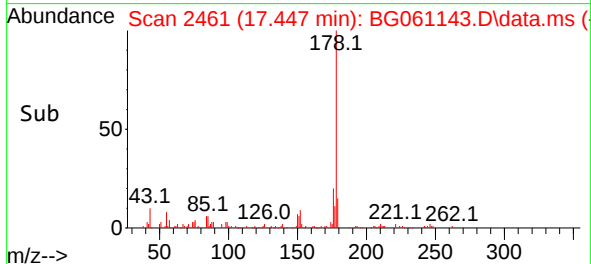
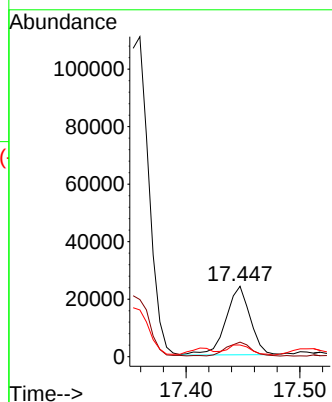
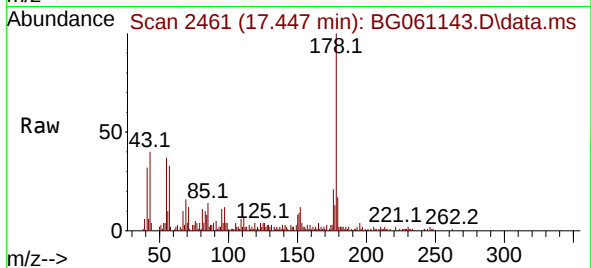
Tgt Ion:178 Resp: 35336

Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.6

179 16.6 12.0 18.0



#75

Fluoranthene

Concen: 34.309 ng

RT: 19.375 min Scan# 2789

Delta R.T. -0.009 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

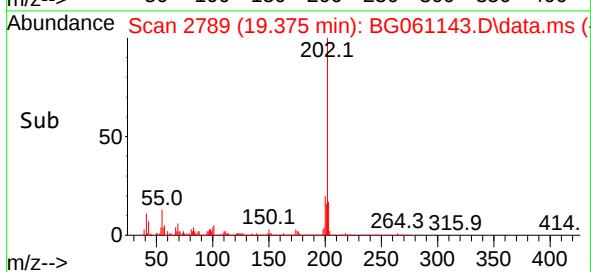
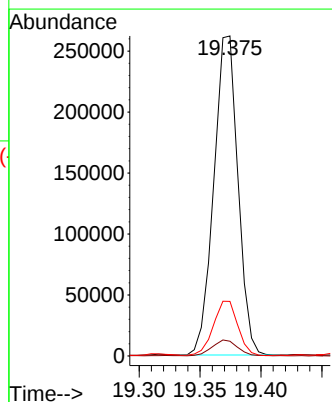
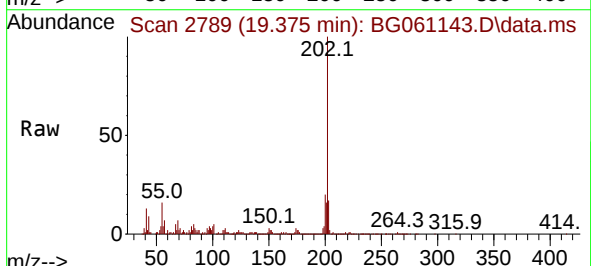
Tgt Ion:202 Resp: 360715

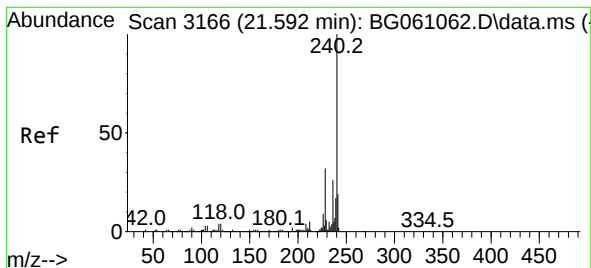
Ion Ratio Lower Upper

202 100

101 4.6 0.0 24.7

203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.578 min Scan# 3164

Delta R.T. -0.015 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

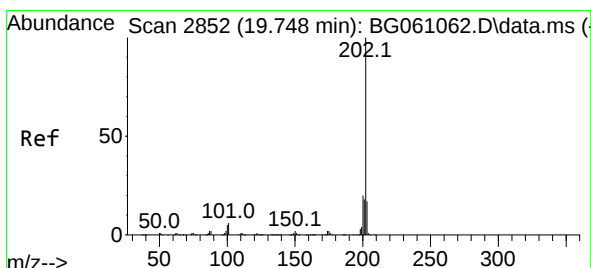
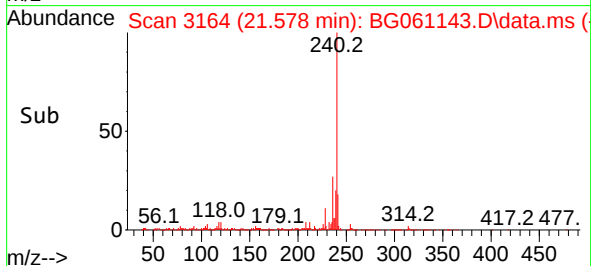
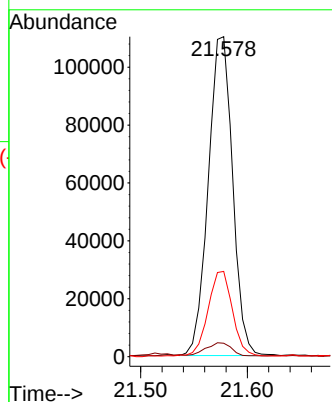
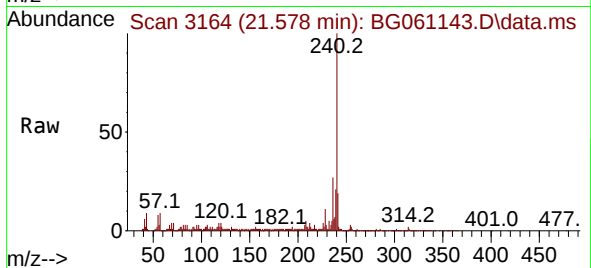
Tgt Ion:240 Resp: 174368

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

236 26.7 21.0 31.6



#78

Pyrene

Concen: 24.272 ng

RT: 19.733 min Scan# 2850

Delta R.T. -0.015 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

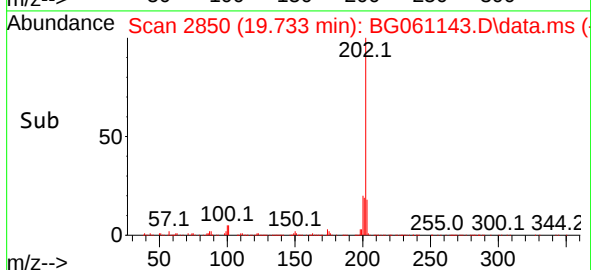
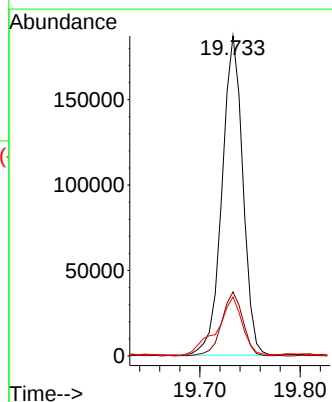
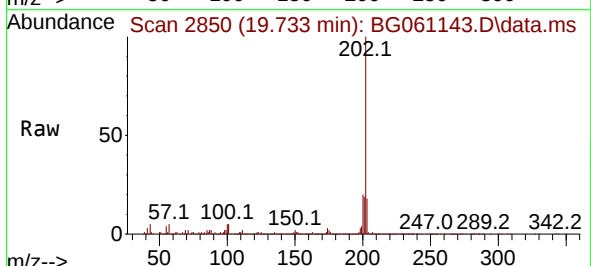
Tgt Ion:202 Resp: 269066

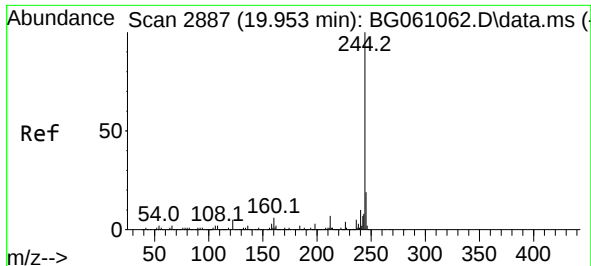
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.4

203 18.4 13.3 19.9

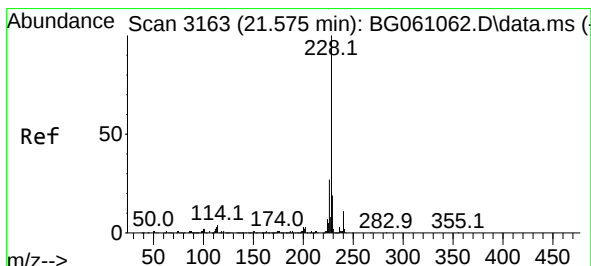
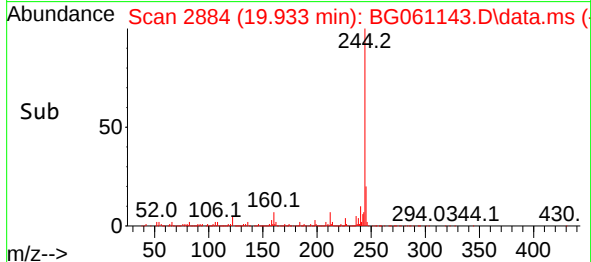
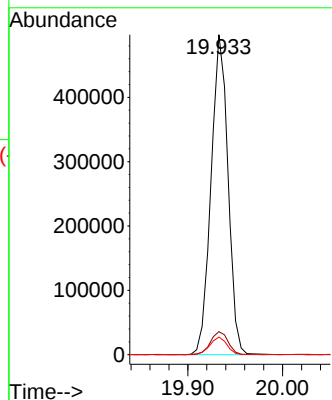
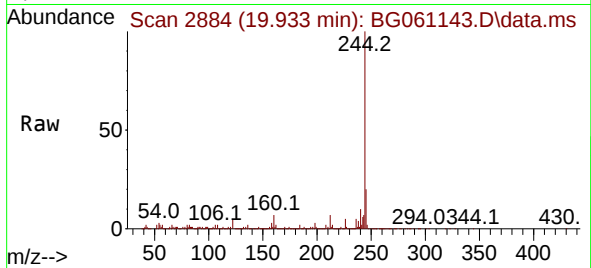




#79
 Terphenyl-d14
 Concen: 58.792 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.020 min
 Lab File: BG061143.D
 Acq: 8 May 2024 15:47

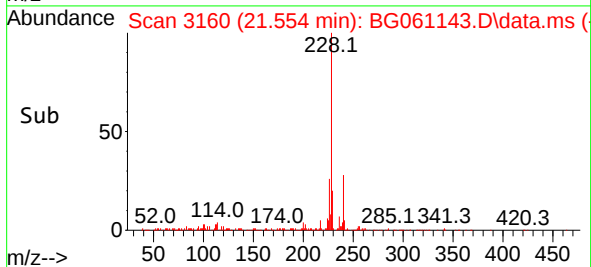
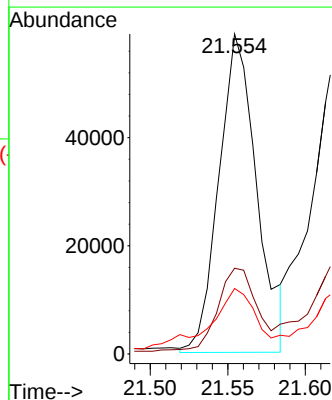
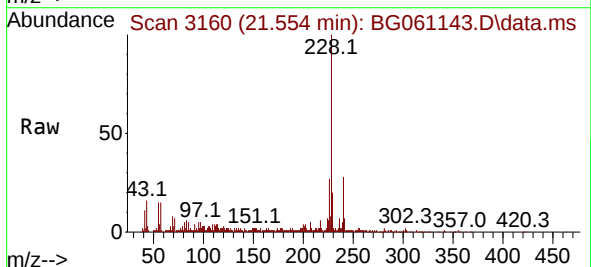
Instrument :
 BNA_G
 ClientSampleId :
 BIN-1

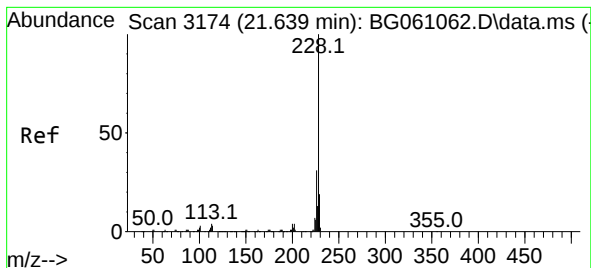
Tgt Ion:244 Resp: 616386
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.5 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 8.747 ng
 RT: 21.554 min Scan# 3160
 Delta R.T. -0.020 min
 Lab File: BG061143.D
 Acq: 8 May 2024 15:47

Tgt Ion:228 Resp: 99810
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.6 32.4
 229 20.4 15.0 22.4





#83

Chrysene

Concen: 9.603 ng

RT: 21.619 min Scan# 3171

Delta R.T. -0.020 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

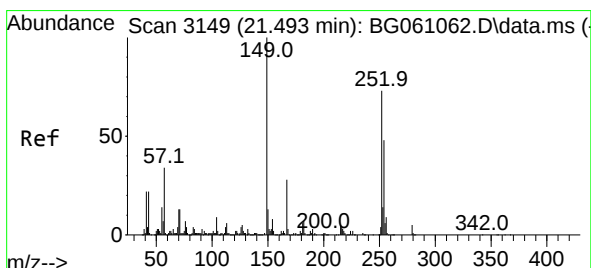
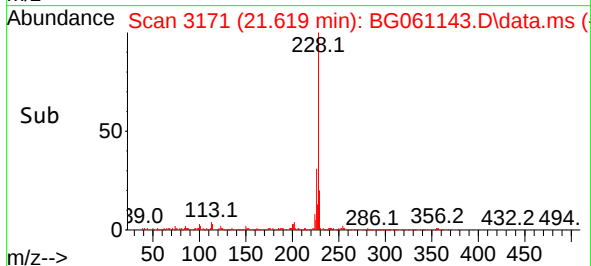
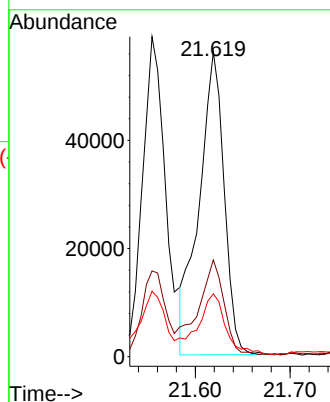
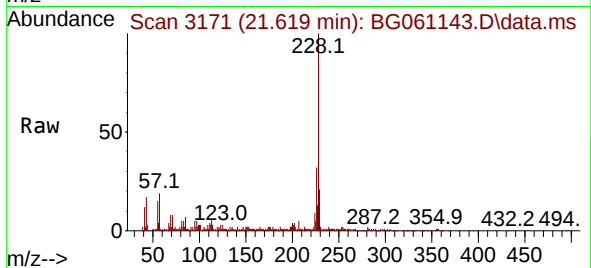
Tgt Ion:228 Resp: 102659

Ion Ratio Lower Upper

228 100

226 31.7 24.4 36.6

229 20.6 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.302 ng

RT: 21.472 min Scan# 3146

Delta R.T. -0.020 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

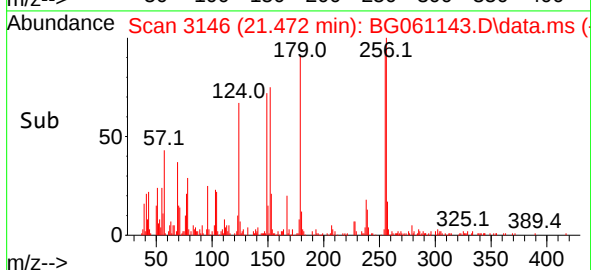
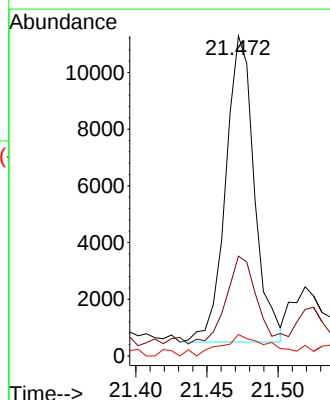
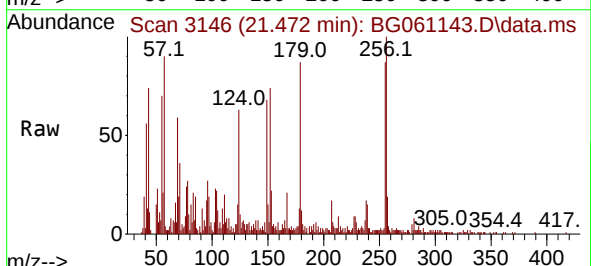
Tgt Ion:149 Resp: 15132

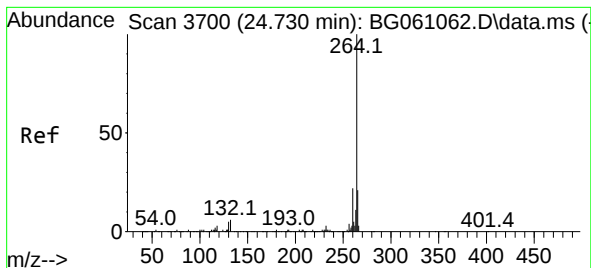
Ion Ratio Lower Upper

149 100

167 31.2 22.1 33.1

279 6.7 4.1 6.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.704 min Scan# 3

Delta R.T. -0.026 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

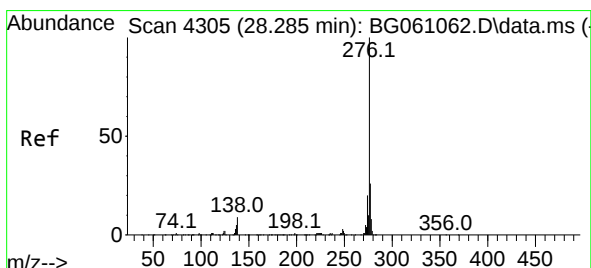
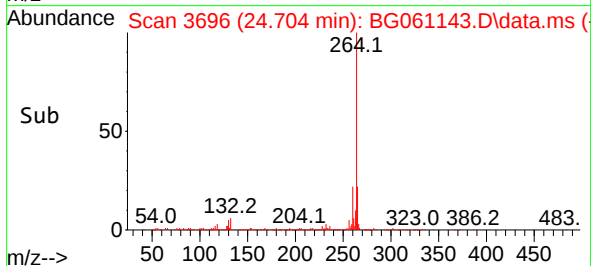
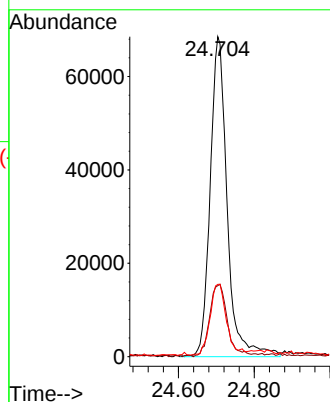
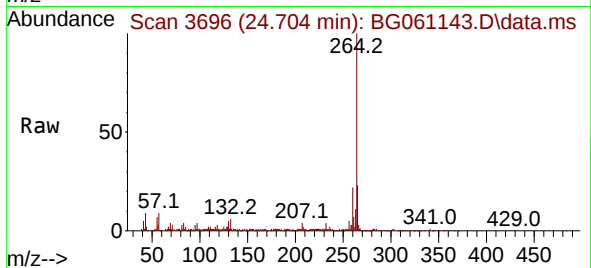
Tgt Ion:264 Resp: 212230

Ion Ratio Lower Upper

264 100

260 22.2 17.7 26.5

265 22.6 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.247 ng m

RT: 28.264 min Scan# 4302

Delta R.T. -0.020 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

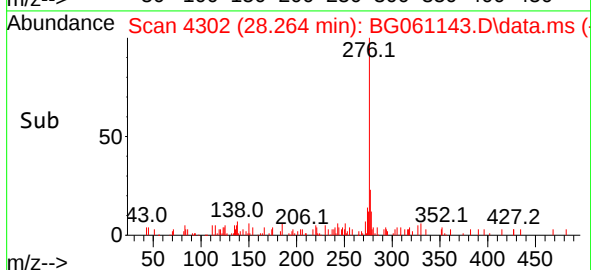
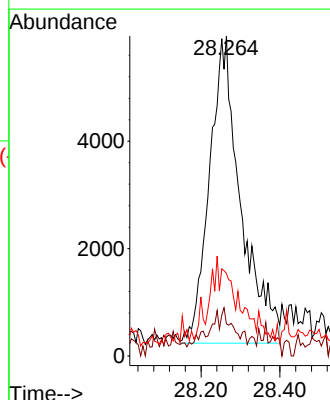
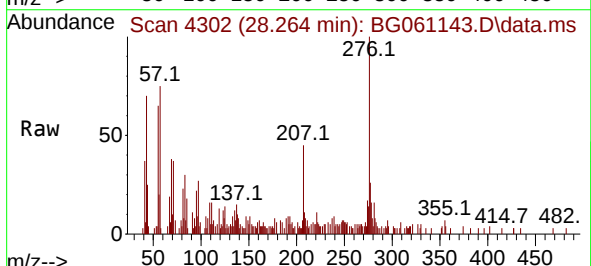
Tgt Ion:276 Resp: 31608

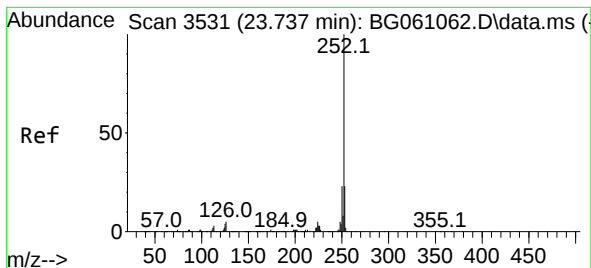
Ion Ratio Lower Upper

276 100

138 0.0 5.1 7.7#

277 0.0 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 8.969 ng

RT: 23.711 min Scan# 3

Delta R.T. -0.026 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

Instrument :

BNA_G

ClientSampleId :

BIN-1

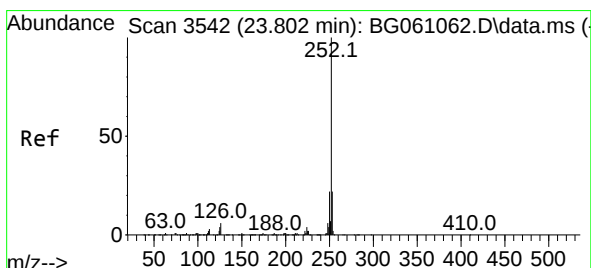
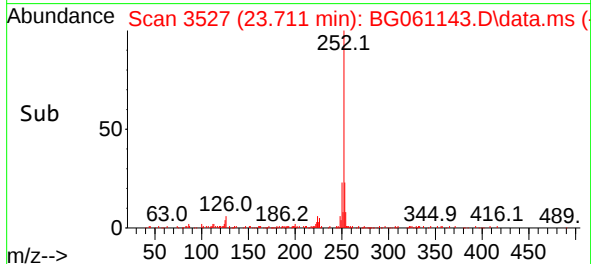
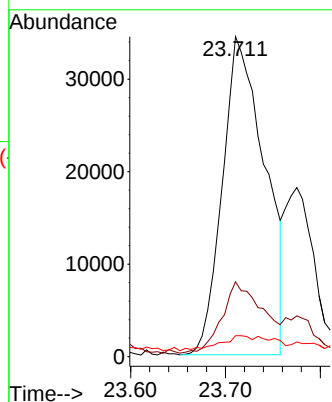
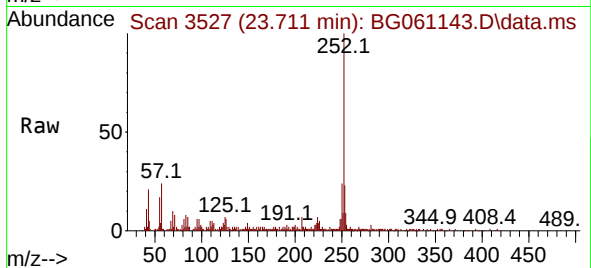
Tgt Ion:252 Resp: 106363

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

125 6.6 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 3.397 ng m

RT: 23.775 min Scan# 3538

Delta R.T. -0.026 min

Lab File: BG061143.D

Acq: 8 May 2024 15:47

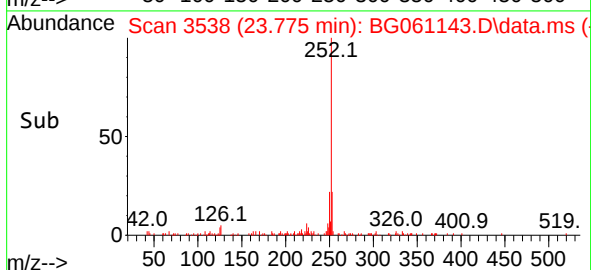
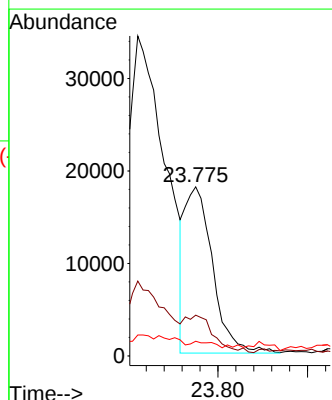
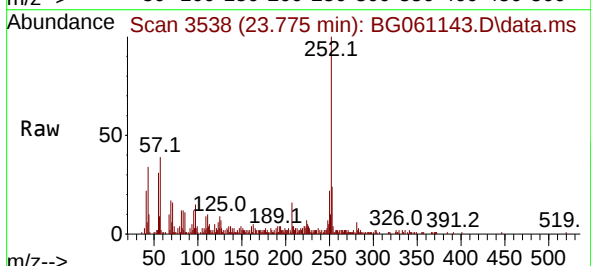
Tgt Ion:252 Resp: 38754

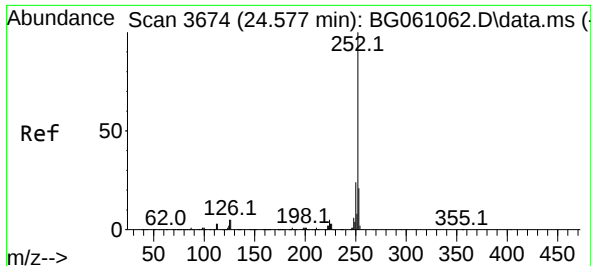
Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

125 8.7 3.2 4.8#

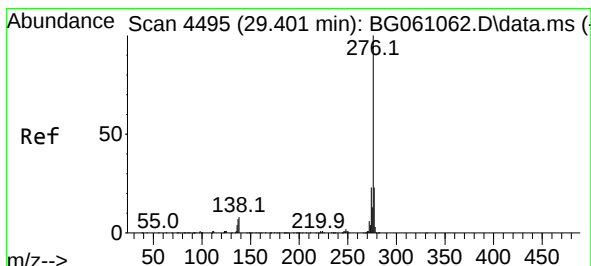
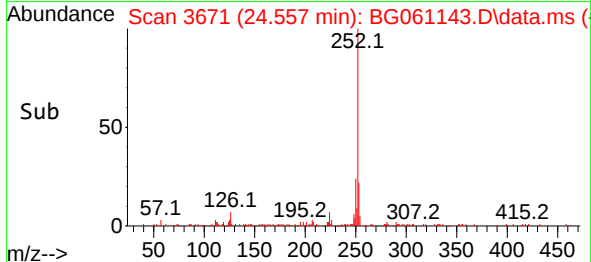
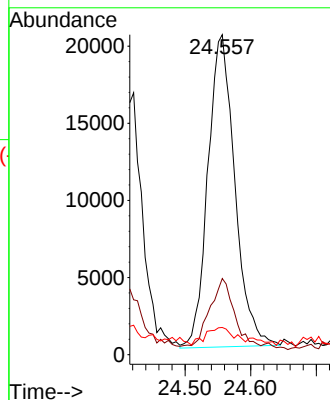
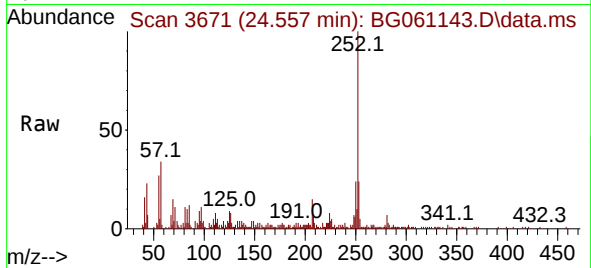




#90
Benzo(a)pyrene
Concen: 5.590 ng
RT: 24.557 min Scan# 30
Delta R.T. -0.020 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

Instrument :
BNA_G
ClientSampleId :
BIN-1

Tgt Ion:252 Resp: 57759
Ion Ratio Lower Upper
252 100
253 23.8 16.9 25.3
125 8.5 3.8 5.8#



#92
Benzo(g,h,i)perylene
Concen: 2.427 ng m
RT: 29.351 min Scan# 4487
Delta R.T. -0.050 min
Lab File: BG061143.D
Acq: 8 May 2024 15:47

Tgt Ion:276 Resp: 28095
Ion Ratio Lower Upper
276 100
277 33.6 18.2 27.4#
138 8.8 6.2 9.2

