

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060863.D
 Acq On : 11 Apr 2024 17:34
 Operator : MA/JU
 Sample : P2070-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Apr 11 18:48:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

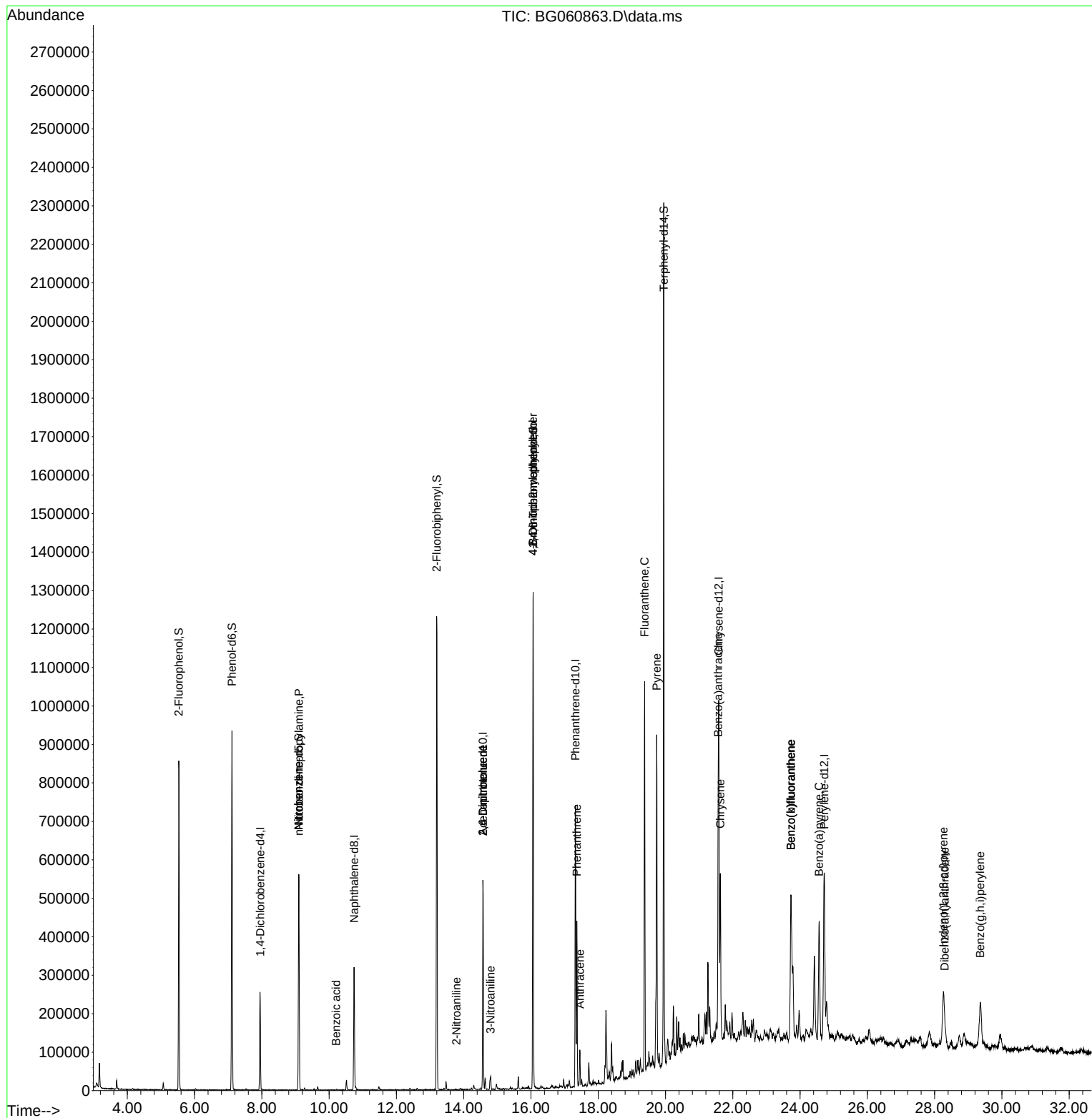
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	66287	20.000	ng	0.00
21) Naphthalene-d8	10.743	136	252861	20.000	ng	-0.02
39) Acenaphthene-d10	14.573	164	193417	20.000	ng	-0.02
64) Phenanthrene-d10	17.323	188	457850	20.000	ng	-0.02
76) Chrysene-d12	21.583	240	414726	20.000	ng	-0.02
86) Perylene-d12	24.715	264	478951	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	331926	83.418	ng	0.00
7) Phenol-d6	7.112	99	463514	78.476	ng	0.00
23) Nitrobenzene-d5	9.098	82	302218	68.200	ng	-0.02
42) 2,4,6-Tribromophenol	16.066	330	262278	119.456	ng	0.00
45) 2-Fluorobiphenyl	13.199	172	654536	49.666	ng	-0.02
79) Terphenyl-d14	19.950	244	1137288	48.287	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.103	70	41052	9.114	ng	# 74
24) Nitrobenzene	9.098	77	1049	2.973	ng	# 36
32) Benzoic acid	10.208	122	56	6.854	ng	# 1
48) 2-Nitroaniline	13.786	65	63	2.810	ng	# 11
51) 2,6-Dinitrotoluene	14.573	165	24832	11.906	ng	# 19
53) 3-Nitroaniline	14.797	138	156	2.900	ng	# 1
57) 2,4-Dinitrotoluene	14.573	165	24832	10.023	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.060	198	633	7.320	ng	# 1
67) 4-Bromophenyl-phenylether	16.060	248	18038	3.882	ng	# 1
71) Phenanthrene	17.364	178	260617	10.945	ng	98
72) Anthracene	17.458	178	57151	2.363	ng	98
75) Fluoranthene	19.380	202	644086	22.291	ng	97
78) Pyrene	19.738	202	556514	19.187	ng	98
81) Benzo(a)anthracene	21.565	228	355754	12.169	ng	98
83) Chrysene	21.630	228	316558	11.235	ng	98
87) Indeno(1,2,3-cd)pyrene	28.263	276	261762	7.761	ng	99
88) Benzo(b)fluoranthene	23.727	252	492176	17.887	ng	98
89) Benzo(k)fluoranthene	23.727	252	492176	17.476	ng	# 98
90) Benzo(a)pyrene	24.568	252	338232	12.649	ng	98
91) Dibenzo(a,h)anthracene	28.299	278	63849	2.246	ng	95
92) Benzo(g,h,i)perylene	29.356	276	242877	8.782	ng	96

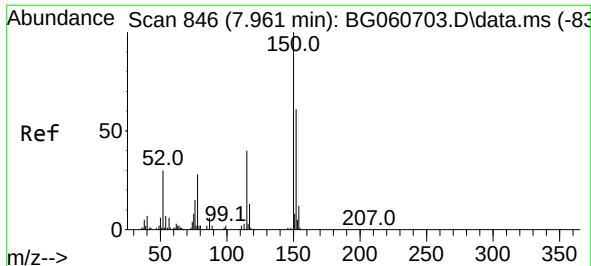
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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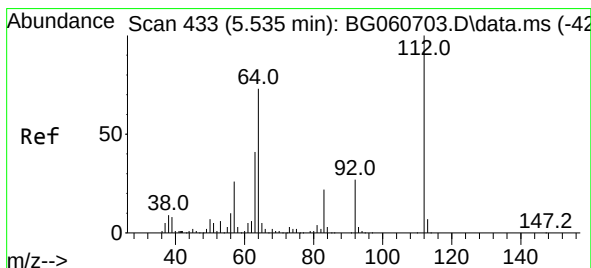
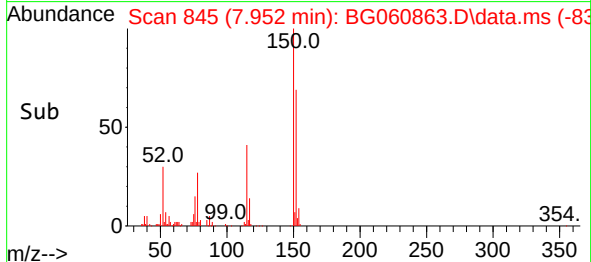
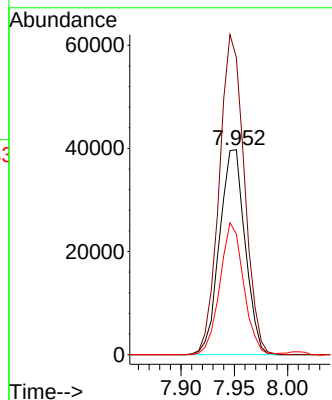
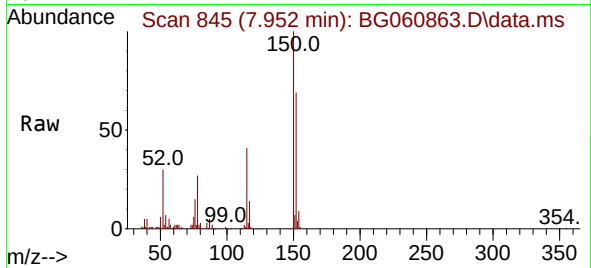




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.952 min Scan# 846
 Delta R.T. -0.009 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

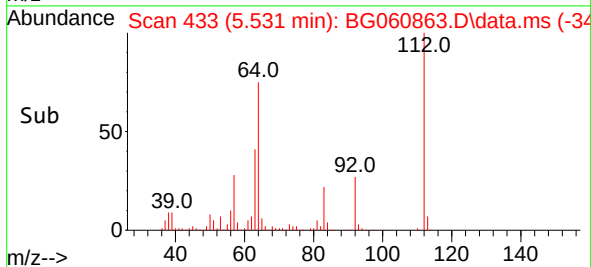
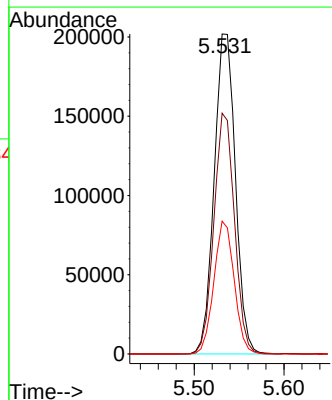
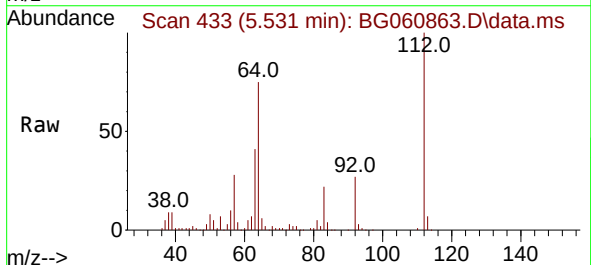
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

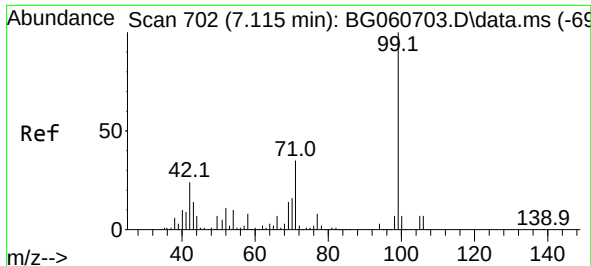
Tgt Ion:152 Resp: 66287
 Ion Ratio Lower Upper
 152 100
 150 144.9 130.2 195.4
 115 58.8 51.6 77.4



#5
 2-Fluorophenol
 Concen: 83.418 ng
 RT: 5.531 min Scan# 433
 Delta R.T. -0.004 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

Tgt Ion:112 Resp: 331926
 Ion Ratio Lower Upper
 112 100
 64 75.2 58.4 87.6
 63 41.5 32.7 49.1

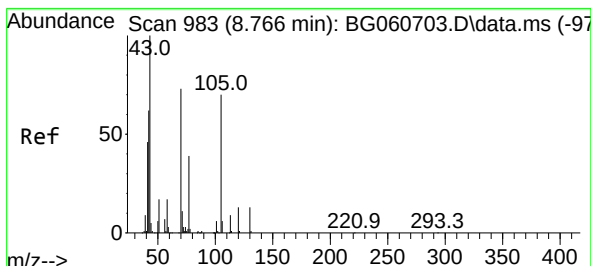
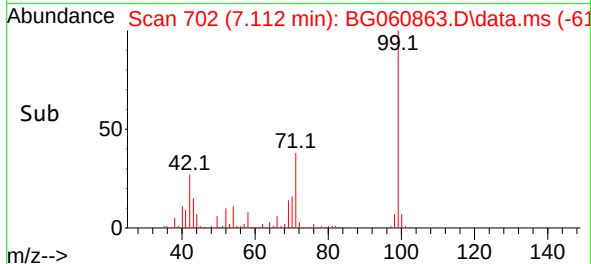
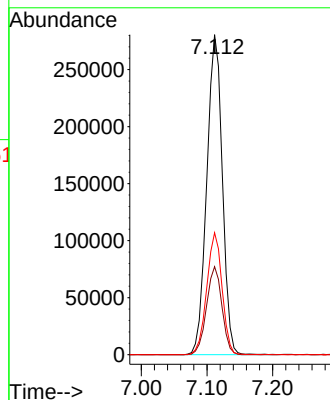
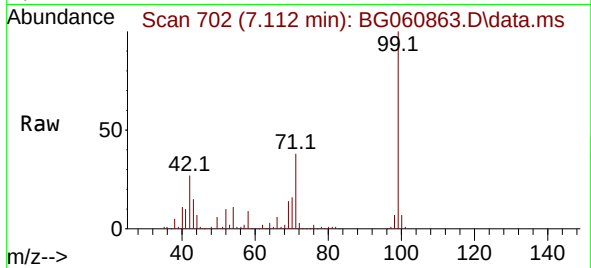




#7
Phenol-d6
Concen: 78.476 ng
RT: 7.112 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

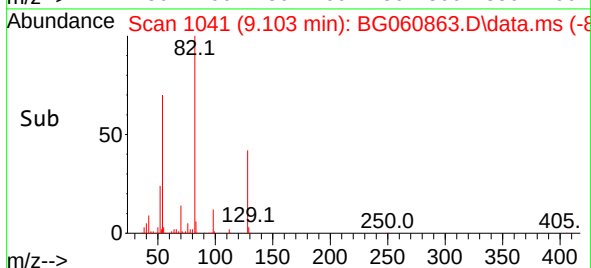
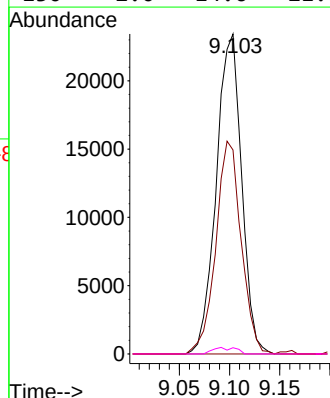
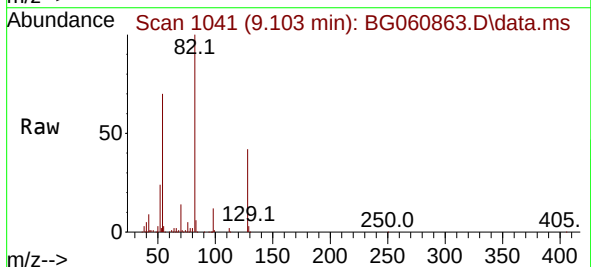
Instrument :
BNA_G
ClientSampleId :
TP-1

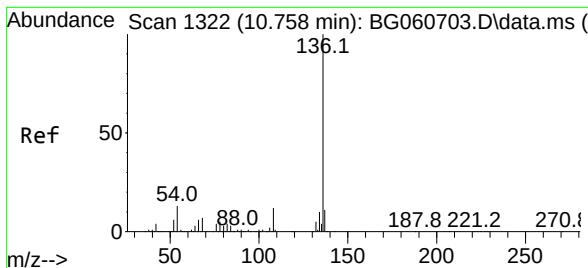
Tgt Ion: 99 Resp: 463514
Ion Ratio Lower Upper
99 100
42 27.5 19.4 29.2
71 38.1 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.114 ng
RT: 9.103 min Scan# 1041
Delta R.T. 0.337 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion: 70 Resp: 41052
Ion Ratio Lower Upper
70 100
42 63.7 68.4 102.6#
101 0.0 6.1 9.1#
130 2.0 14.6 21.8#



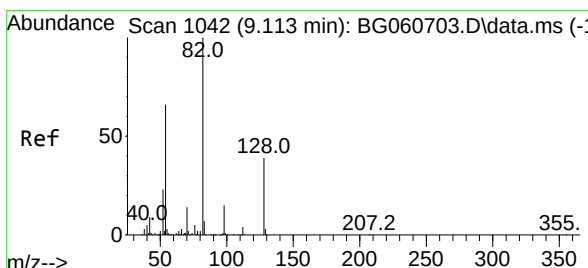
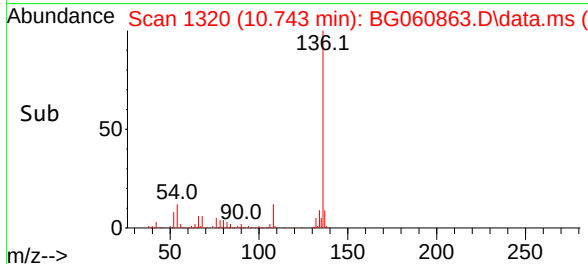
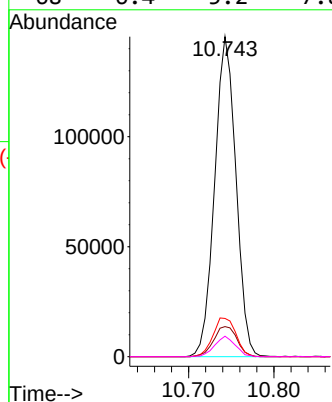
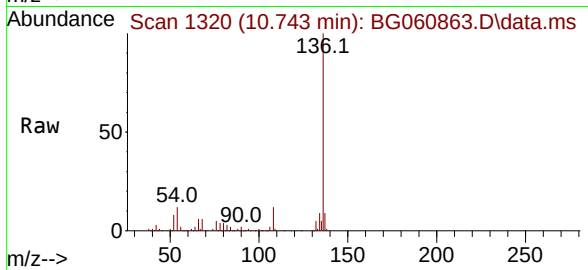


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 252861

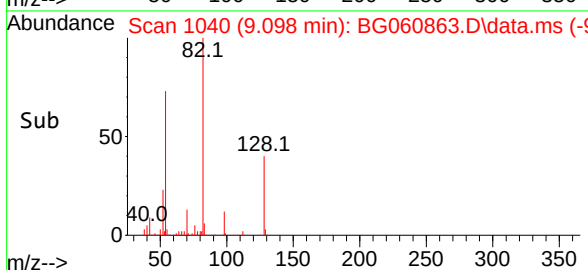
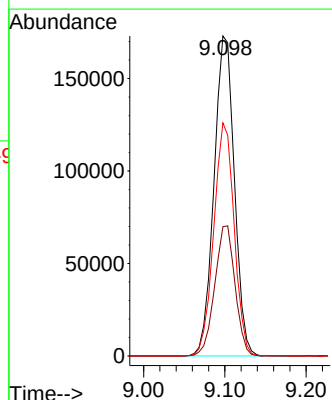
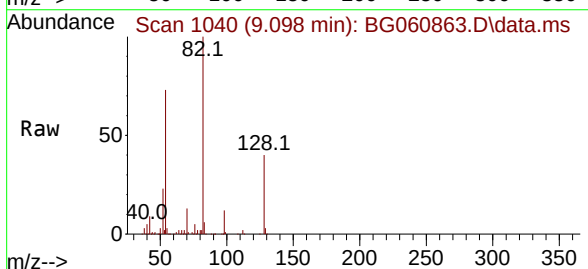
Ion	Ratio	Lower	Upper
136	100		
137	9.4	8.8	13.2
54	12.0	10.2	15.2
68	6.4	5.2	7.8

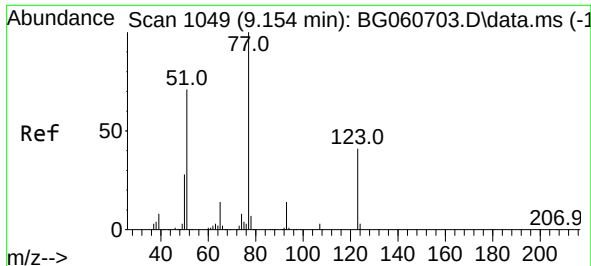


#23
Nitrobenzene-d5
Concen: 68.200 ng
RT: 9.098 min Scan# 1040
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion: 82 Resp: 302218

Ion	Ratio	Lower	Upper
82	100		
128	40.4	31.2	46.8
54	72.8	53.2	79.8

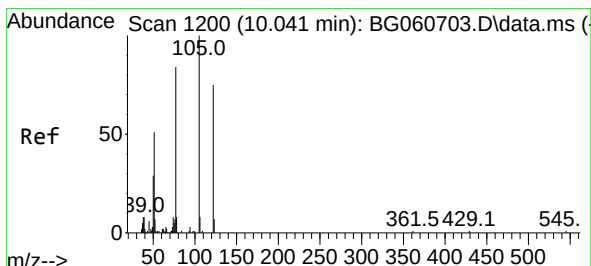
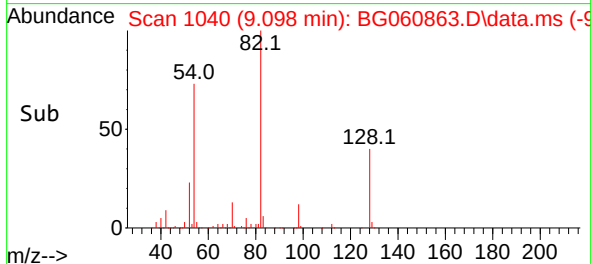
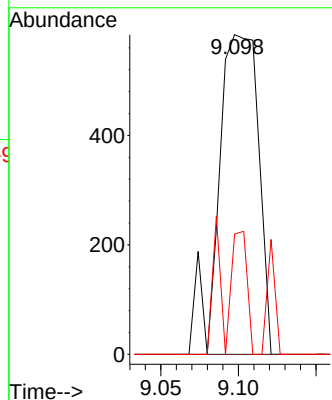
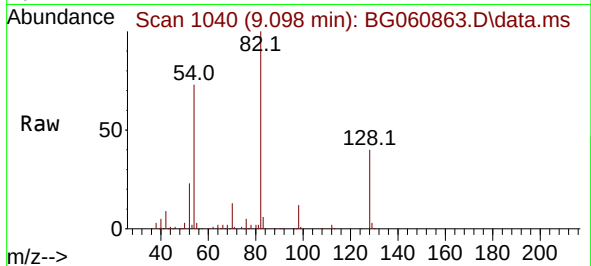




#24
Nitrobenzene
Concen: 2.973 ng
RT: 9.098 min Scan# 1049
Delta R.T. -0.056 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

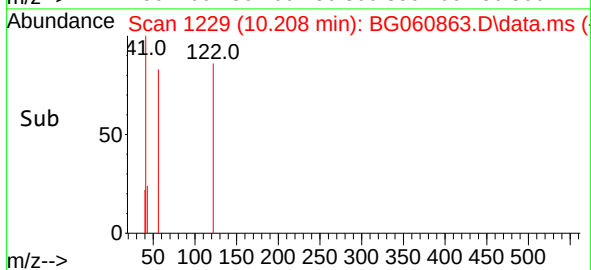
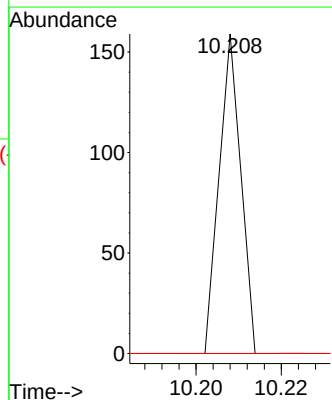
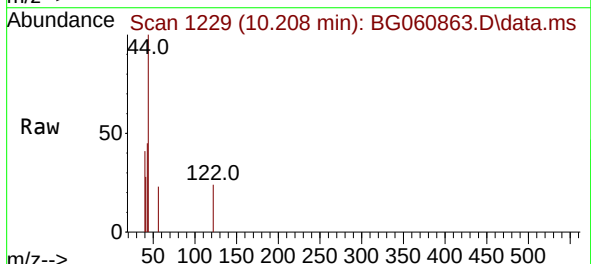
Instrument :
BNA_G
ClientSampleId :
TP-1

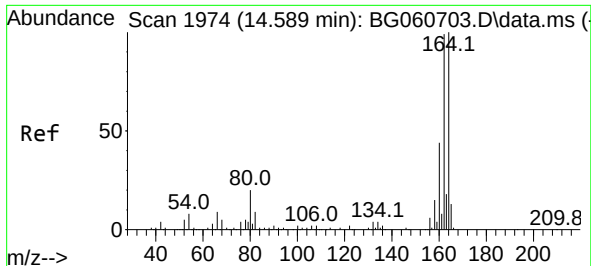
Tgt Ion: 77 Resp: 1049
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 37.7 11.3 16.9#



#32
Benzoic acid
Concen: 6.854 ng
RT: 10.208 min Scan# 1229
Delta R.T. 0.167 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.573 min Scan# 1974

Delta R.T. -0.016 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

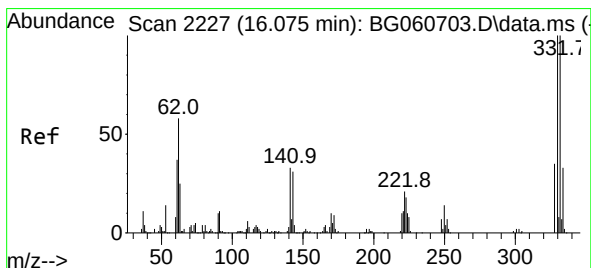
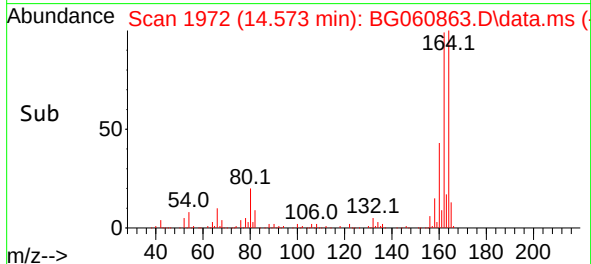
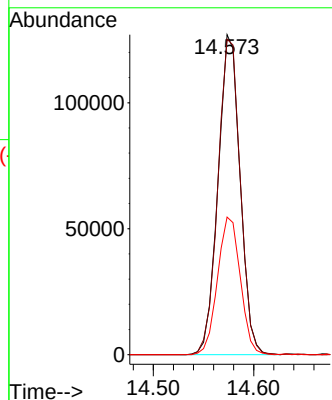
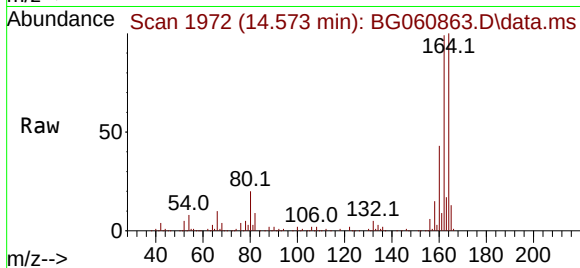
Tgt Ion:164 Resp: 193417

Ion Ratio Lower Upper

164 100

162 98.6 79.5 119.3

160 43.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 119.456 ng

RT: 16.066 min Scan# 2226

Delta R.T. -0.010 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

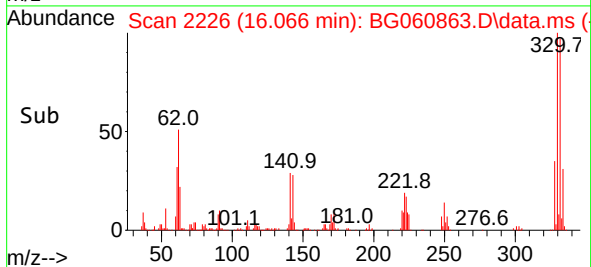
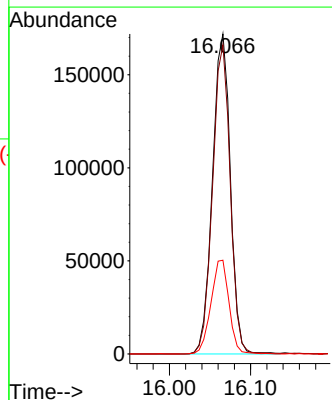
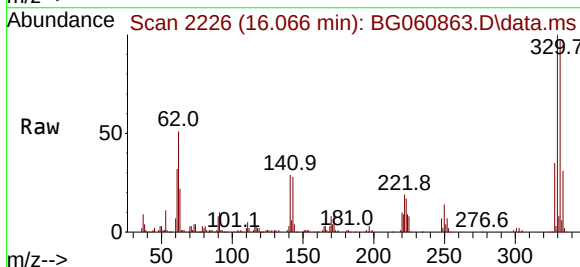
Tgt Ion:330 Resp: 262278

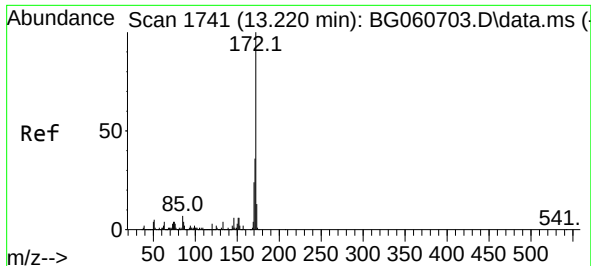
Ion Ratio Lower Upper

330 100

332 95.4 78.2 117.4

141 29.6 27.0 40.6

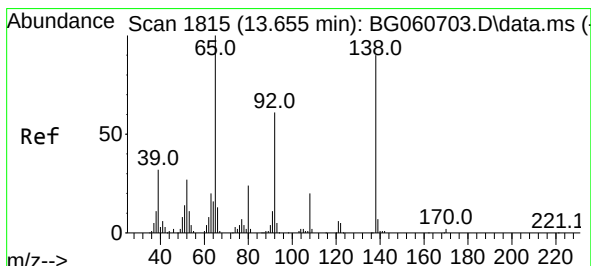
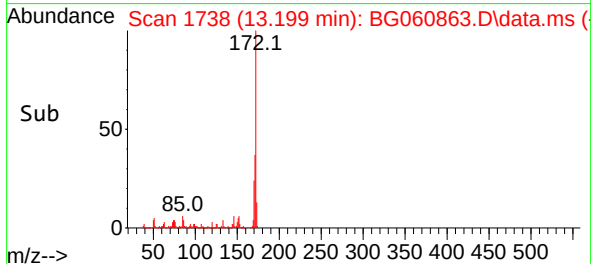
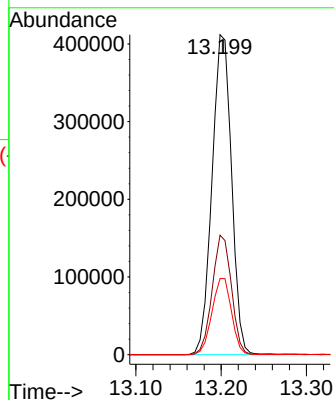
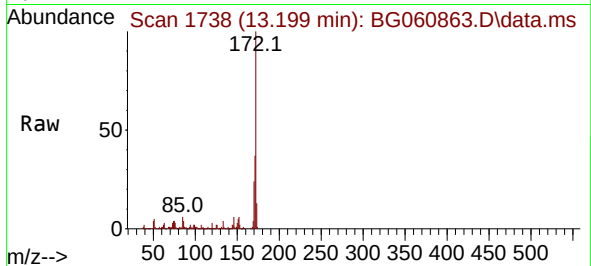




#45
2-Fluorobiphenyl
Concen: 49.666 ng
RT: 13.199 min Scan# 1738
Delta R.T. -0.021 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

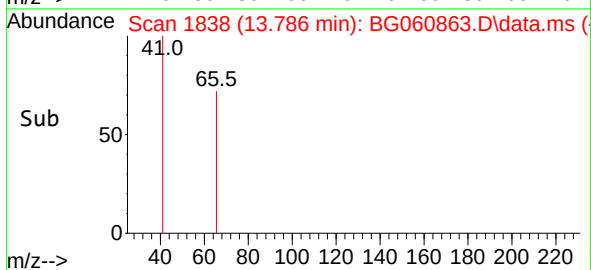
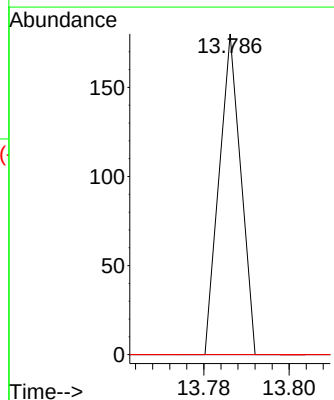
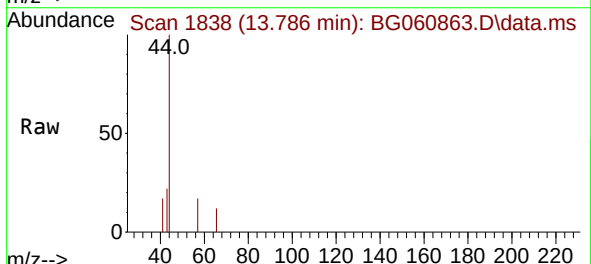
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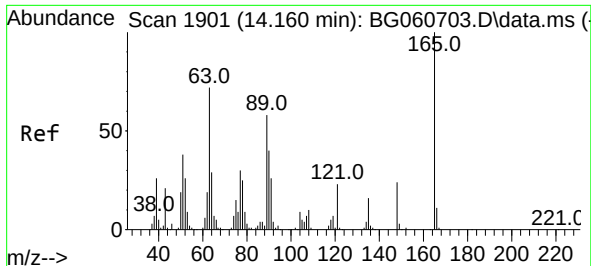
Tgt Ion:172 Resp: 654536
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 23.8 19.4 29.0



#48
2-Nitroaniline
Concen: 2.810 ng
RT: 13.786 min Scan# 1838
Delta R.T. 0.131 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion: 65 Resp: 63
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#

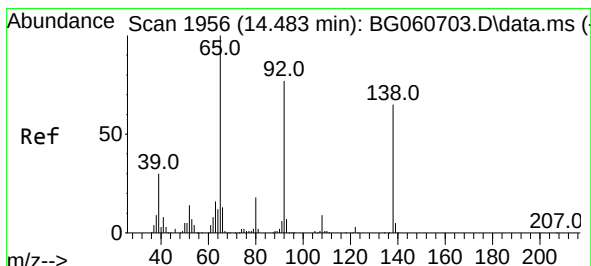
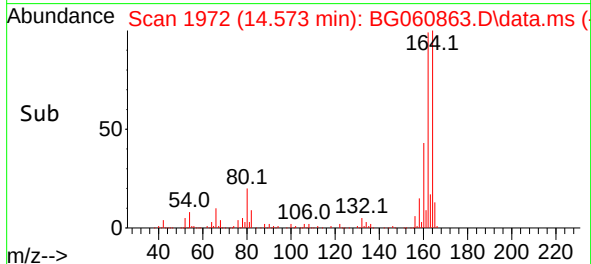
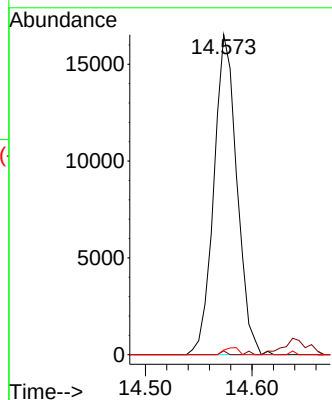
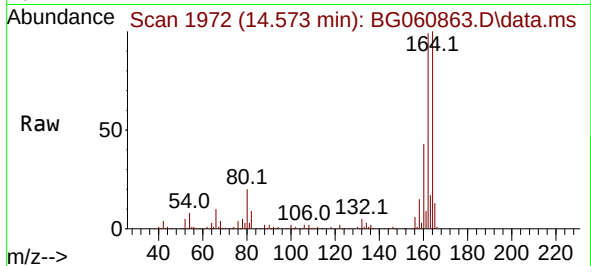




#51
2,6-Dinitrotoluene
Concen: 11.906 ng
RT: 14.573 min Scan# 1901
Delta R.T. 0.413 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

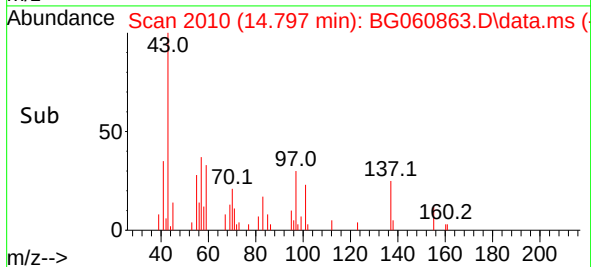
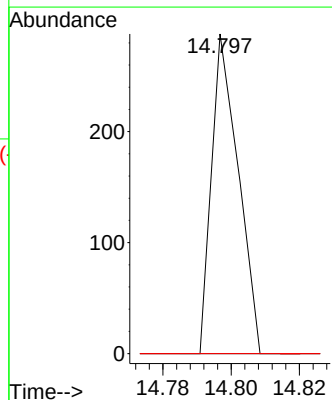
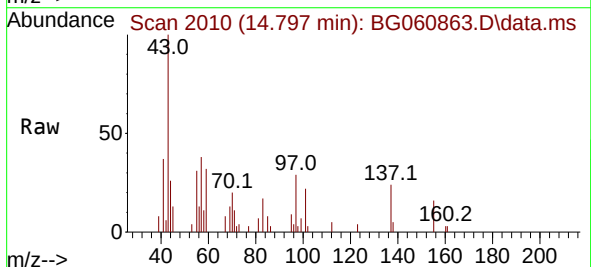
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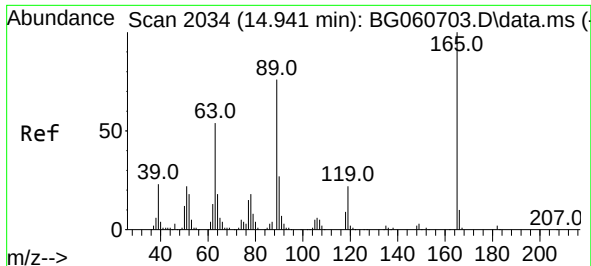
Tgt Ion:165 Resp: 24832
Ion Ratio Lower Upper
165 100
63 1.2 58.2 87.4#
89 1.4 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.900 ng
RT: 14.797 min Scan# 2010
Delta R.T. 0.314 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion:138 Resp: 156
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 10.023 ng

RT: 14.573 min Scan# 14

Delta R.T. -0.368 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:165 Resp: 24832

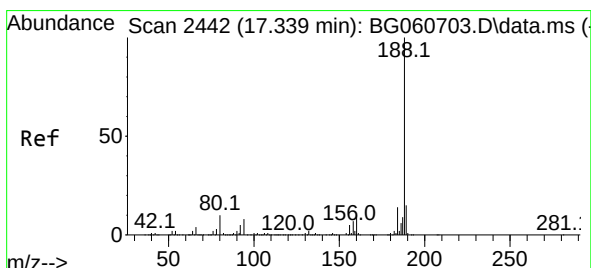
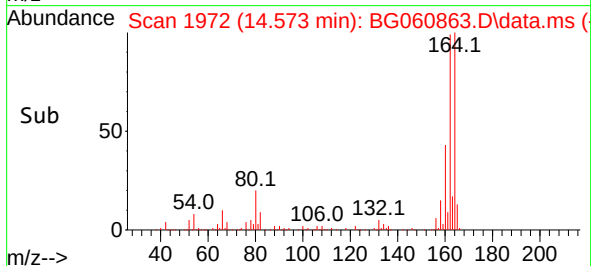
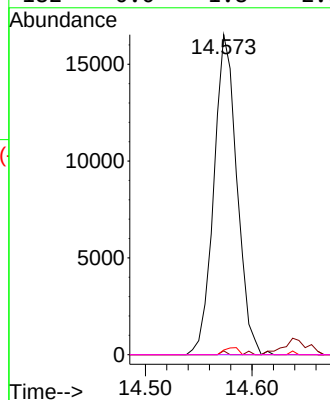
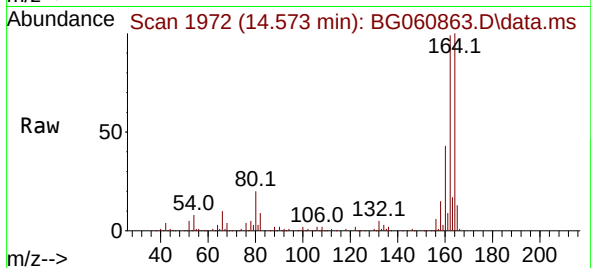
Ion Ratio Lower Upper

165 100

63 1.2 43.4 65.0#

89 1.4 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.323 min Scan# 2440

Delta R.T. -0.016 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

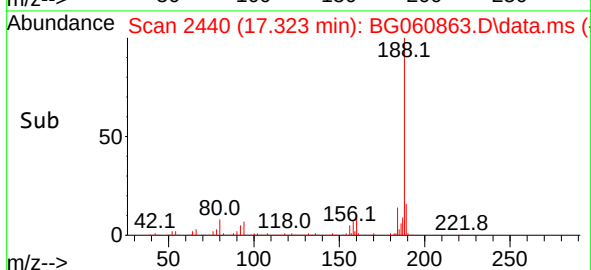
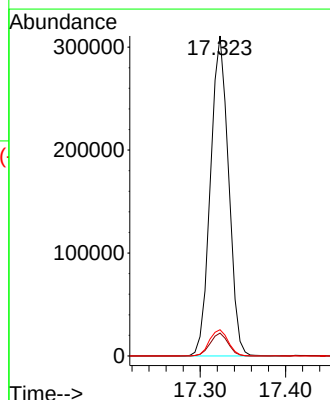
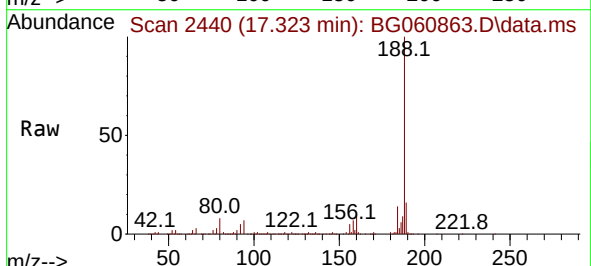
Tgt Ion:188 Resp: 457850

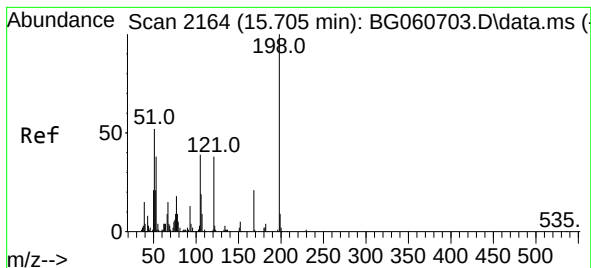
Ion Ratio Lower Upper

188 100

94 7.2 6.6 9.8

80 8.2 7.6 11.4

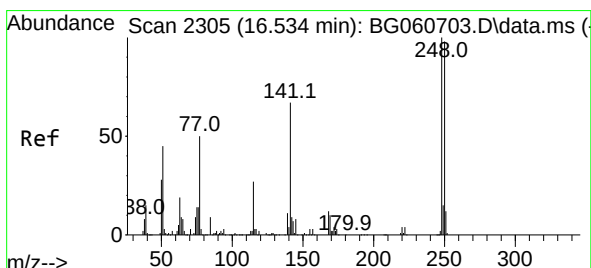
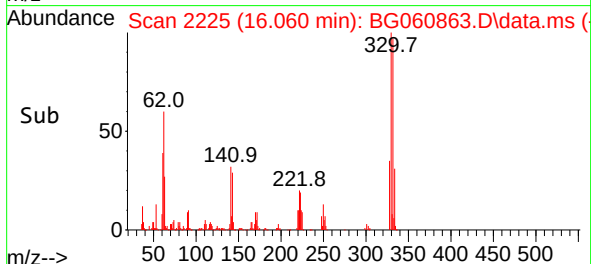
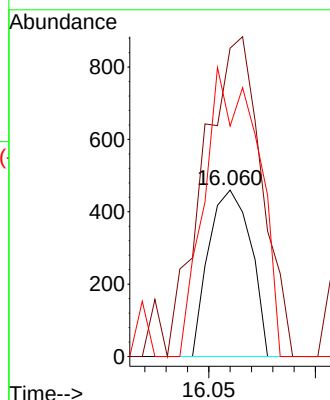
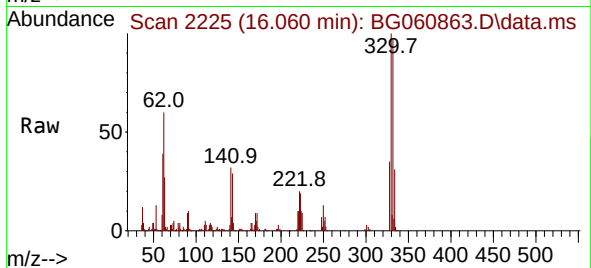




#65
4,6-Dinitro-2-methylphenol
Concen: 7.320 ng
RT: 16.060 min Scan# 2164
Delta R.T. 0.355 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

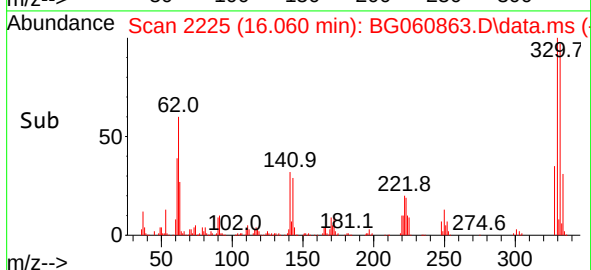
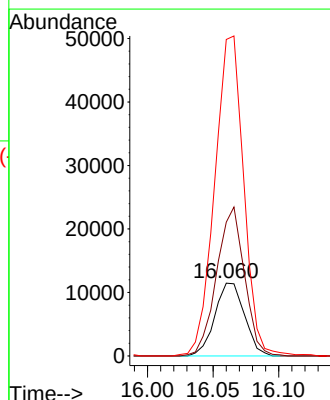
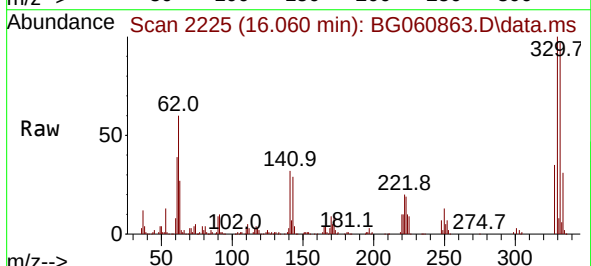
Instrument :
BNA_G
ClientSampleId :
TP-1

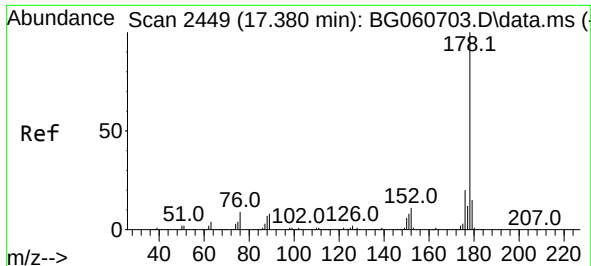
Tgt Ion:198 Resp: 633
Ion Ratio Lower Upper
198 100
51 185.2 36.7 76.7#
105 138.5 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 16.060 min Scan# 2225
Delta R.T. -0.474 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion:248 Resp: 18038
Ion Ratio Lower Upper
248 100
250 183.8 78.3 117.5#
141 435.0 53.7 80.5#

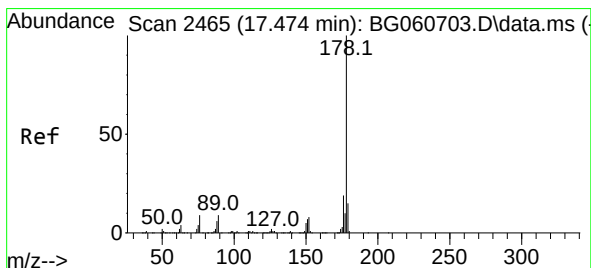
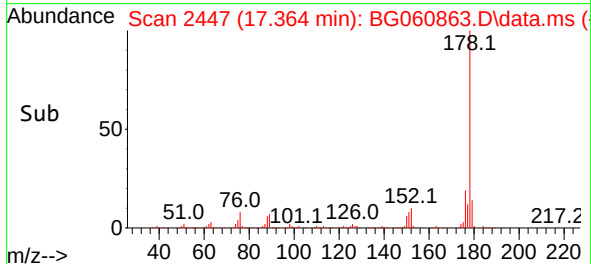
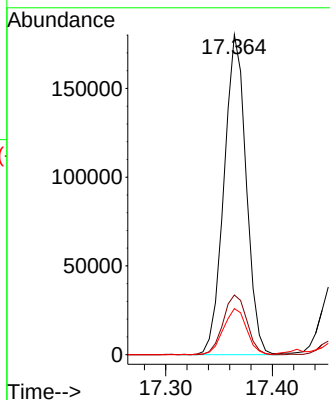
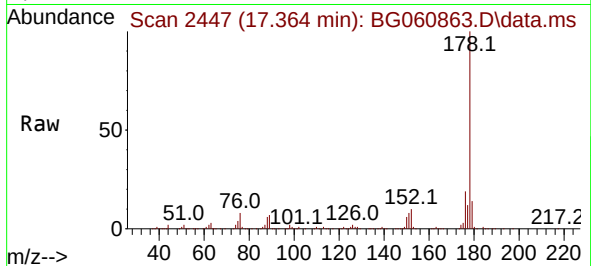




#71
Phenanthrene
Concen: 10.945 ng
RT: 17.364 min Scan# 2447
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

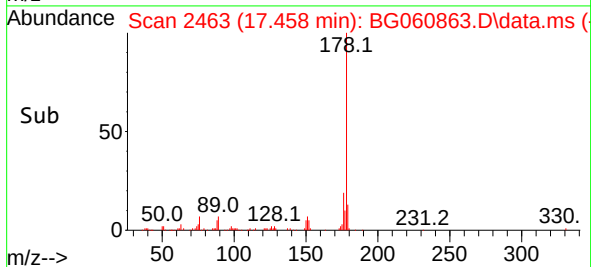
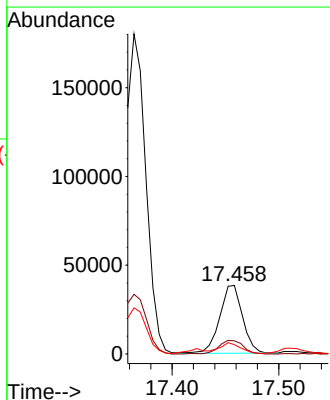
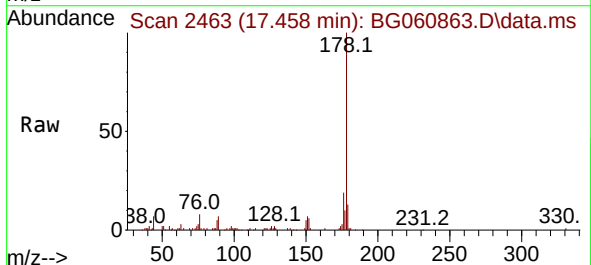
Instrument :
BNA_G
ClientSampleId :
TP-1

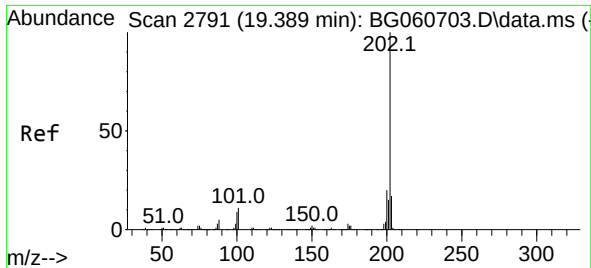
Tgt Ion:178 Resp: 260617
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 14.4 12.2 18.4



#72
Anthracene
Concen: 2.363 ng
RT: 17.458 min Scan# 2463
Delta R.T. -0.016 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion:178 Resp: 57151
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 13.5 12.2 18.2

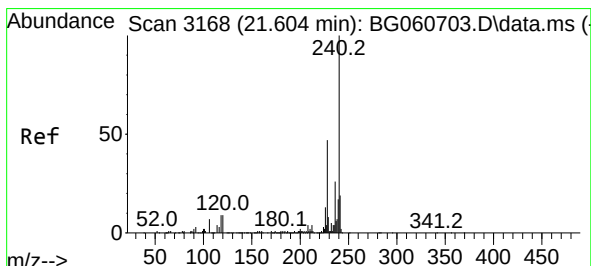
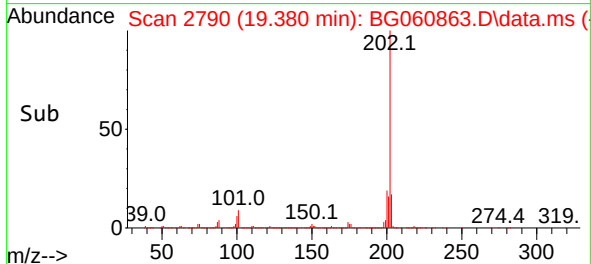
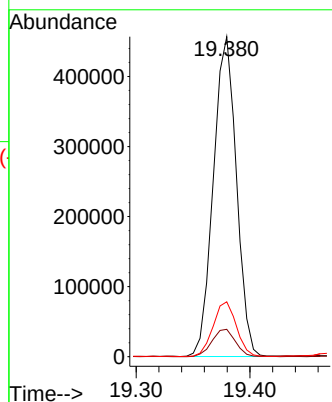
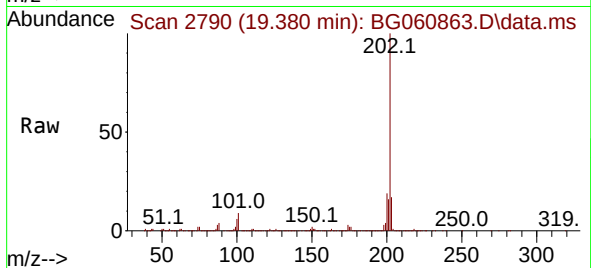




#75
Fluoranthene
Concen: 22.291 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

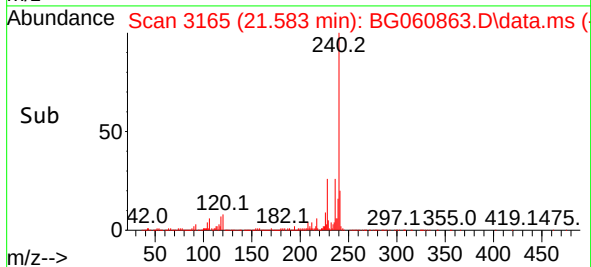
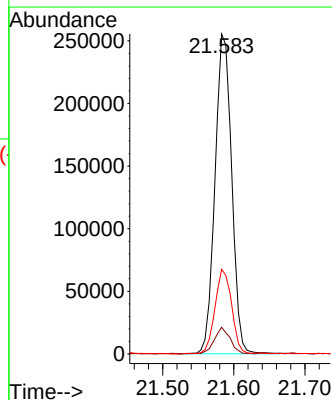
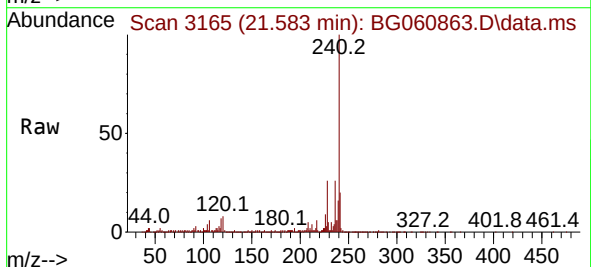
Instrument :
BNA_G
ClientSampleId :
TP-1

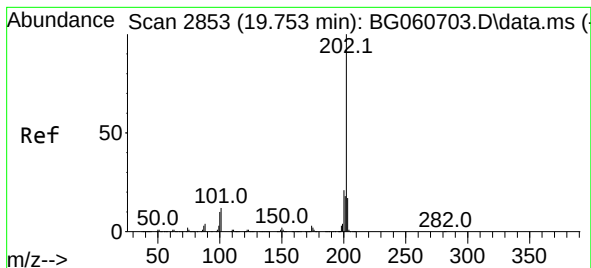
Tgt Ion:202 Resp: 644086
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.8
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3165
Delta R.T. -0.021 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion:240 Resp: 414726
Ion Ratio Lower Upper
240 100
120 8.3 7.1 10.7
236 26.5 20.7 31.1





#78

Pyrene

Concen: 19.187 ng

RT: 19.738 min Scan# 2

Delta R.T. -0.015 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

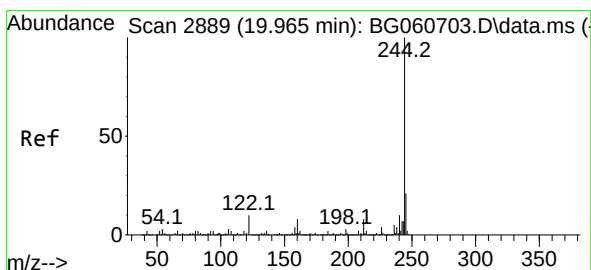
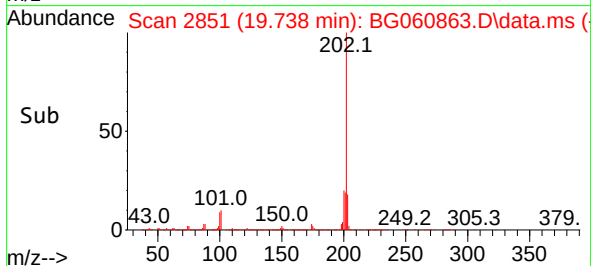
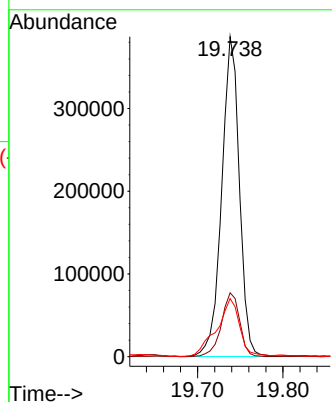
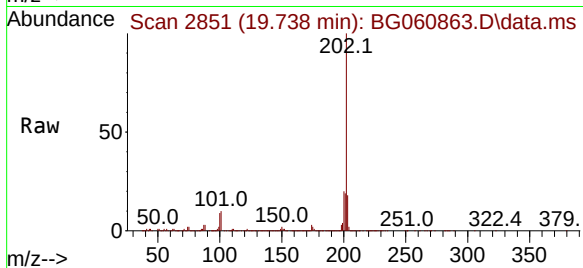
Tgt Ion:202 Resp: 556514

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

203 18.2 14.0 21.0



#79

Terphenyl-d14

Concen: 48.287 ng

RT: 19.950 min Scan# 2887

Delta R.T. -0.015 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

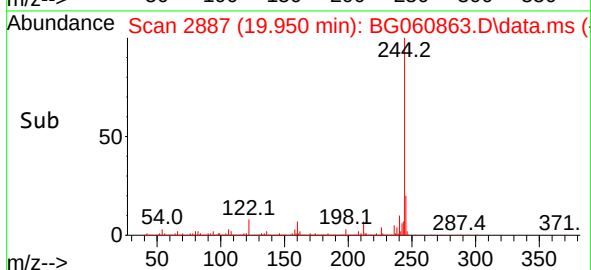
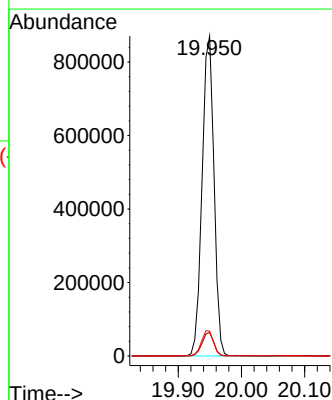
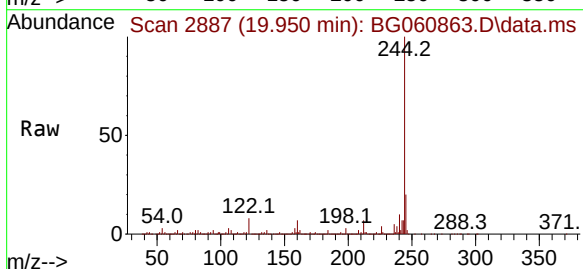
Tgt Ion:244 Resp: 1137288

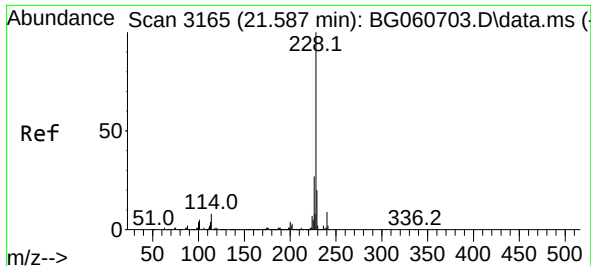
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 7.7 7.8 11.8#

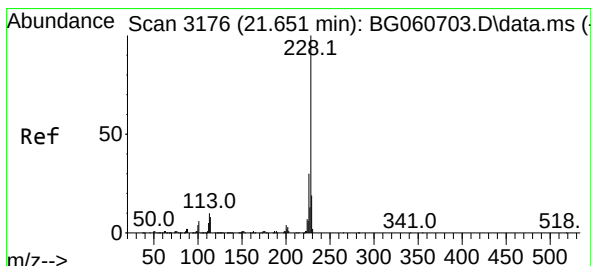
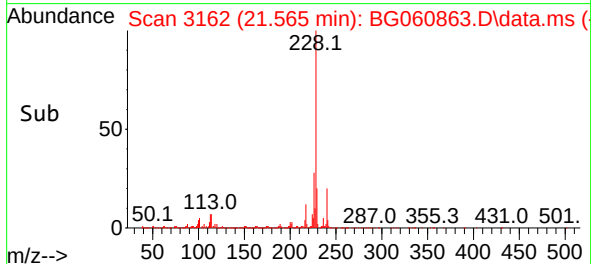
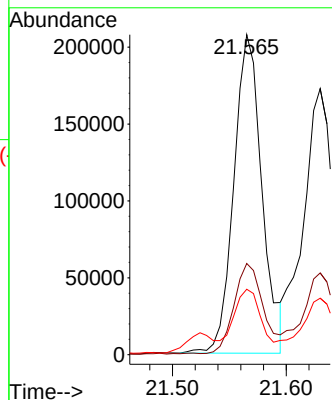
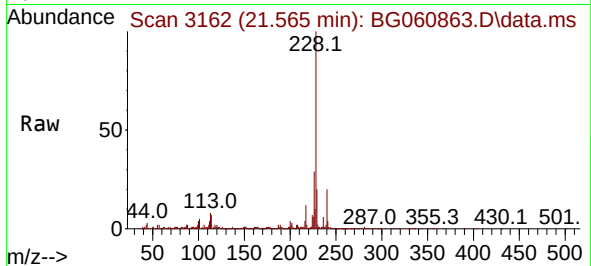




#81
Benzo(a)anthracene
Concen: 12.169 ng
RT: 21.565 min Scan# 3165
Delta R.T. -0.021 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

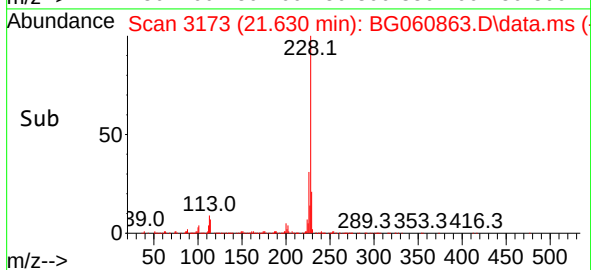
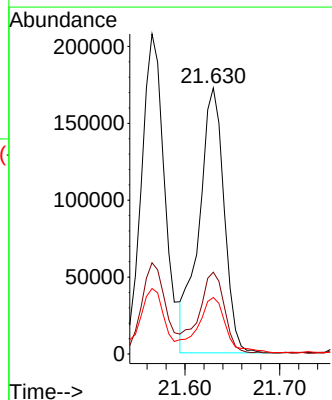
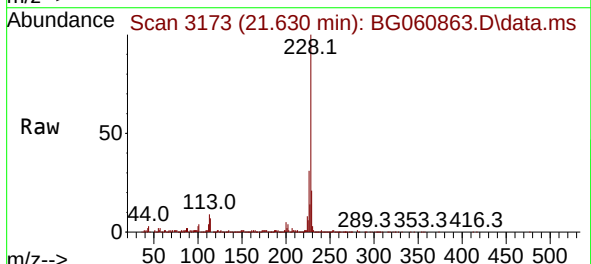
Instrument :
BNA_G
ClientSampleId :
TP-1

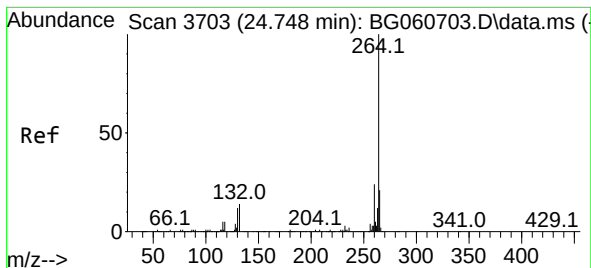
Tgt Ion:228 Resp: 355754
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.5 15.8 23.8



#83
Chrysene
Concen: 11.235 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.021 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion:228 Resp: 316558
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 21.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.715 min Scan# 3

Delta R.T. -0.033 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

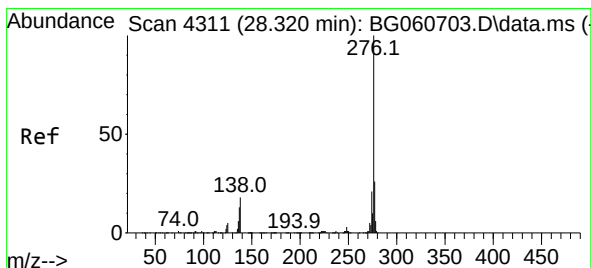
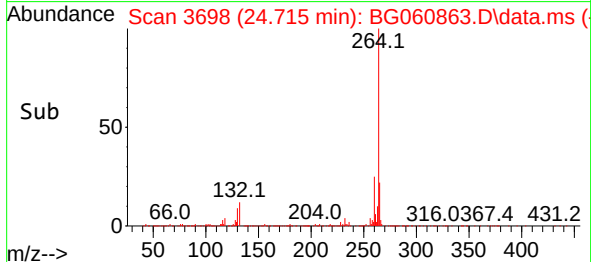
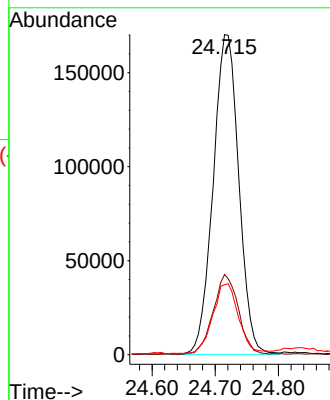
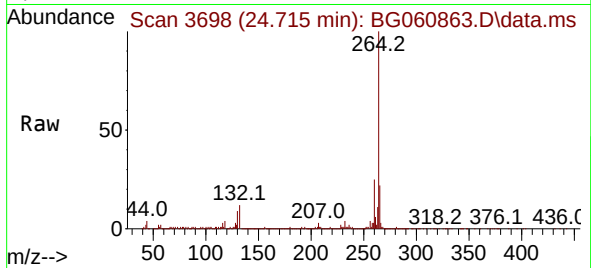
Tgt Ion:264 Resp: 478951

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 21.8 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.761 ng

RT: 28.263 min Scan# 4302

Delta R.T. -0.057 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

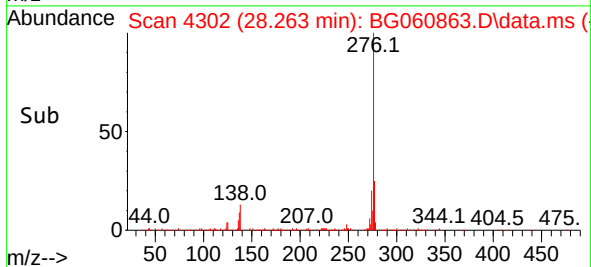
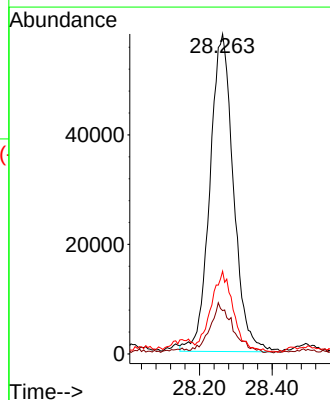
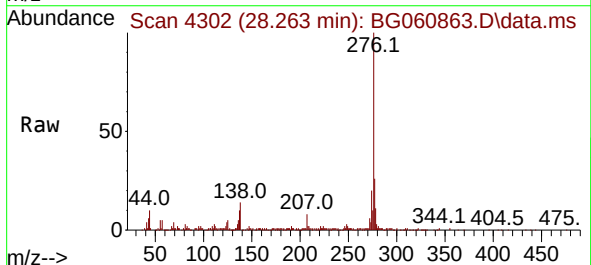
Tgt Ion:276 Resp: 261762

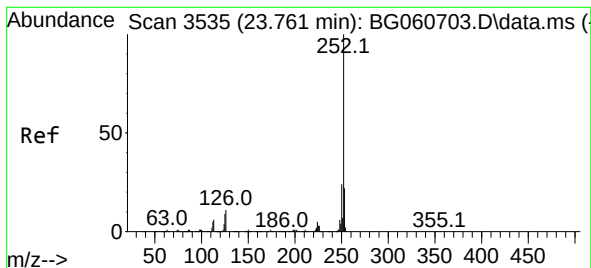
Ion Ratio Lower Upper

276 100

138 15.1 12.4 18.6

277 24.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 17.887 ng

RT: 23.727 min Scan# 3530

Delta R.T. -0.033 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

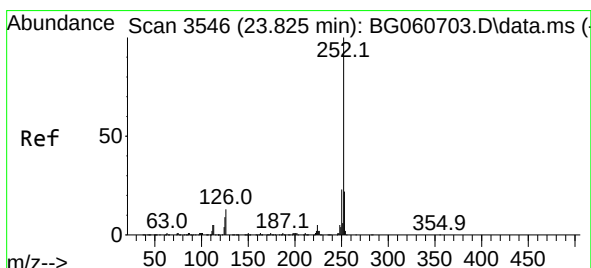
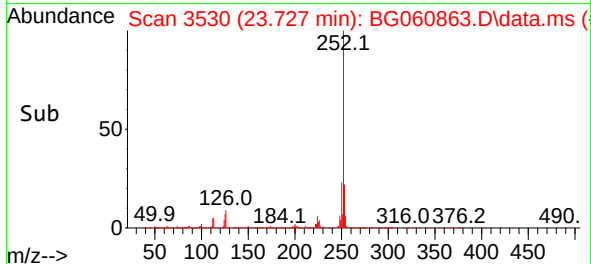
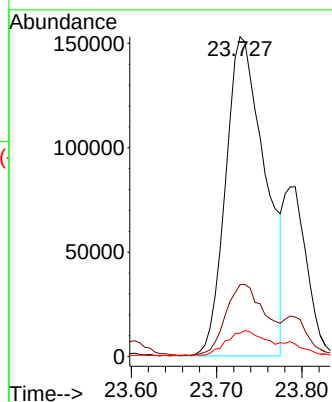
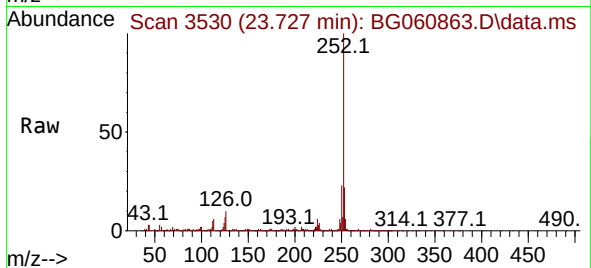
Tgt Ion:252 Resp: 492176

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 7.4 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 17.476 ng

RT: 23.727 min Scan# 3530

Delta R.T. -0.098 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

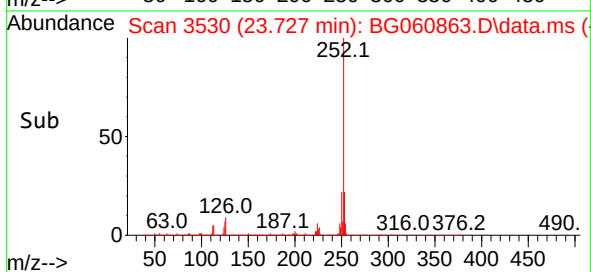
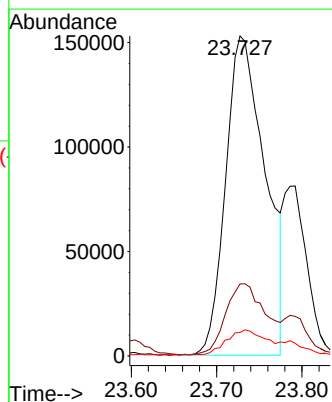
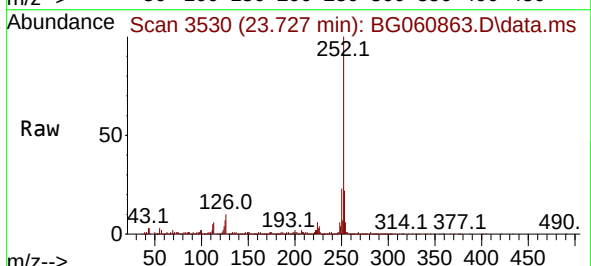
Tgt Ion:252 Resp: 492176

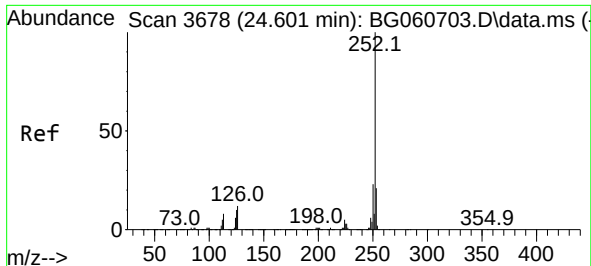
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 7.4 7.5 11.3#

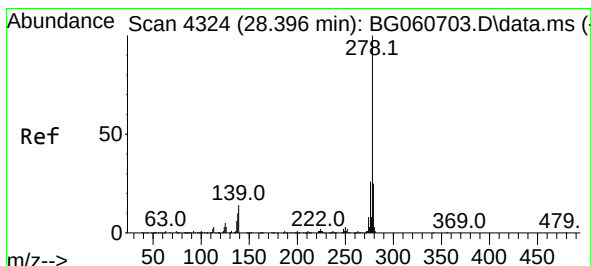
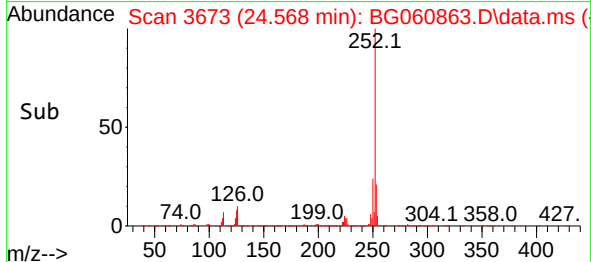
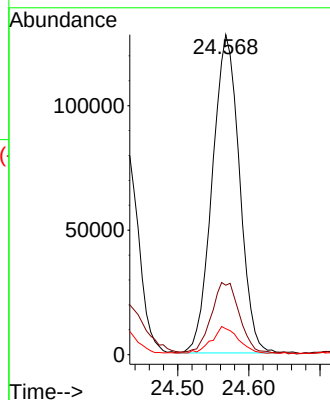
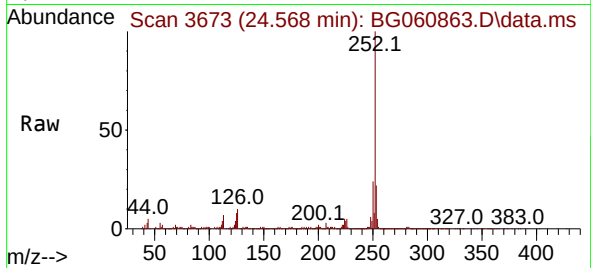




#90
Benzo(a)pyrene
Concen: 12.649 ng
RT: 24.568 min Scan# 30
Delta R.T. -0.033 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

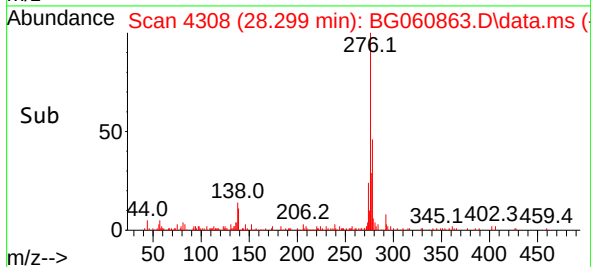
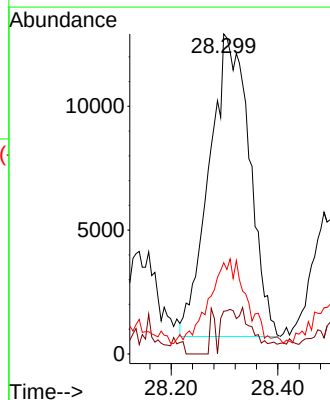
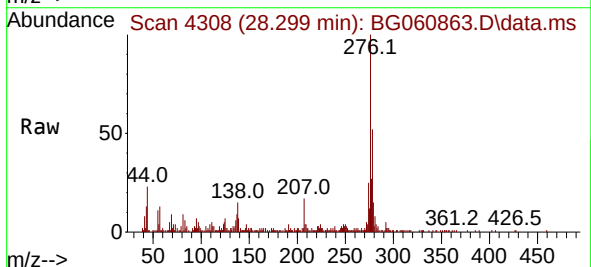
Instrument :
BNA_G
ClientSampleId :
TP-1

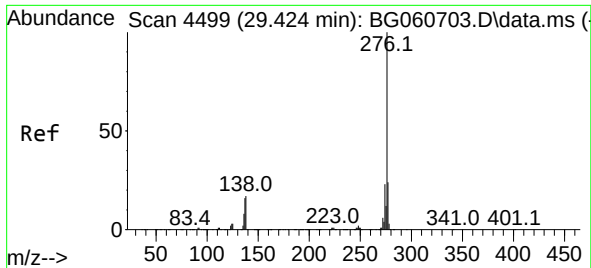
Tgt Ion:252 Resp: 338232
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 8.1 7.6 11.4



#91
Dibenzo(a,h)anthracene
Concen: 2.246 ng
RT: 28.299 min Scan# 4308
Delta R.T. -0.098 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

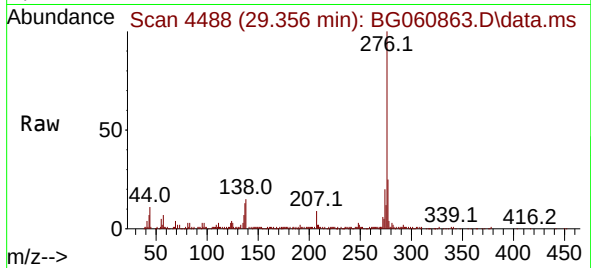
Tgt Ion:278 Resp: 63849
Ion Ratio Lower Upper
278 100
139 13.4 11.1 16.7
279 28.5 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 8.782 ng
 RT: 29.356 min Scan# 44
 Delta R.T. -0.068 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

Instrument :
 BNA_G
 ClientSampleId :
 TP-1



Tgt Ion:	276	Resp:	242877
Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	15.1	14.0	21.0

