

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060993.D
 Acq On : 22 Apr 2024 16:01
 Operator : MA/JU
 Sample : P2127-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACK

Quant Time: Apr 23 02:17:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

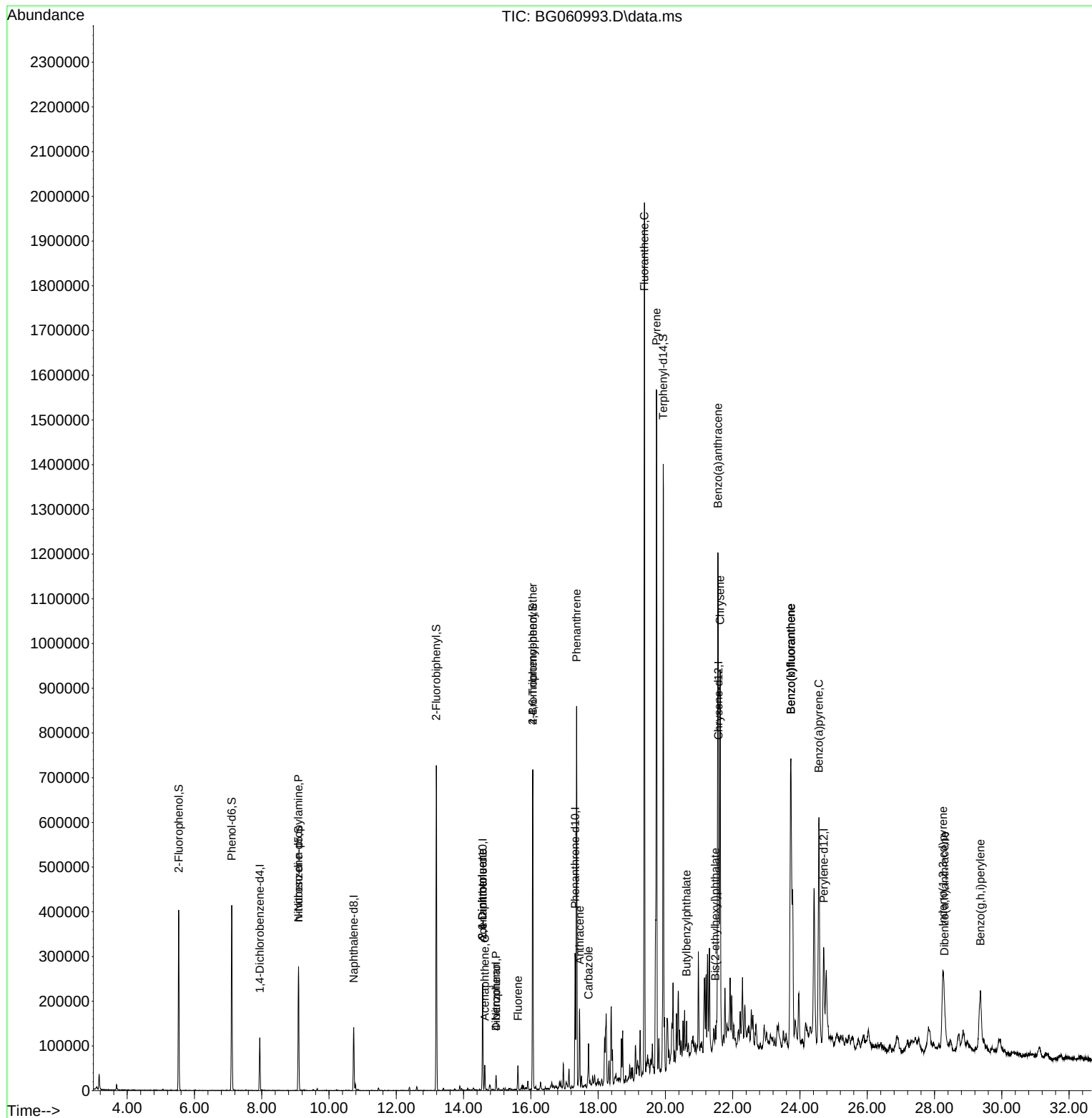
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	29625	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	112331	20.000	ng	0.00
39) Acenaphthene-d10	14.570	164	86261	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	196280	20.000	ng	0.00
76) Chrysene-d12	21.579	240	200139	20.000	ng	0.00
86) Perylene-d12	24.705	264	240853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	144143	98.419	ng	0.00
7) Phenol-d6	7.108	99	189711	87.302	ng	0.00
23) Nitrobenzene-d5	9.094	82	136754	54.698	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	154186	81.398	ng	0.00
45) 2-Fluorobiphenyl	13.189	172	369434	59.274	ng	0.00
79) Terphenyl-d14	19.934	244	701920	54.439	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.094	70	21523	13.290	ng	# 65
51) 2,6-Dinitrotoluene	14.564	165	12555	8.459	ng	# 16
52) Acenaphthene	14.629	154	19904	4.366	ng	98
55) Dibenzofuran	14.964	168	17974	2.283	ng	# 87
56) 4-Nitrophenol	14.964	139	7850	7.487	ng	# 1
57) 2,4-Dinitrotoluene	14.564	165	12555	5.873	ng	# 19
58) Fluorene	15.616	166	24068	3.622	ng	97
67) 4-Bromophenyl-phenylether	16.057	248	9595	3.704	ng	# 1
71) Phenanthrene	17.361	178	549973	54.894	ng	99
72) Anthracene	17.449	178	117325	11.370	ng	98
73) Carbazole	17.713	167	60047	7.007	ng	98
75) Fluoranthene	19.376	202	1282283	96.440	ng	95
78) Pyrene	19.735	202	1103846	81.002	ng	99
80) Butylbenzylphthalate	20.628	149	18964	4.175	ng	96
81) Benzo(a)anthracene	21.562	228	678607	48.227	ng	96
83) Chrysene	21.627	228	624699	46.631	ng	98
84) Bis(2-ethylhexyl)phtha...	21.485	149	14615	2.213	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.254	276	410140	24.547	ng	# 90
88) Benzo(b)fluoranthene	23.730	252	879707	64.452	ng	100
89) Benzo(k)fluoranthene	23.730	252	879707	63.847	ng	98
90) Benzo(a)pyrene	24.564	252	605068	45.799	ng	98
91) Dibenzo(a,h)anthracene	28.295	278	97951	7.176	ng	97
92) Benzo(g,h,i)perylene	29.365	276	360541	26.638	ng	95

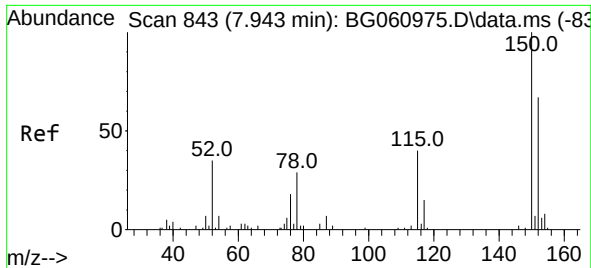
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060993.D
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Sample : P2127-04
Misc :
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Quant Time: Apr 23 02:17:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration

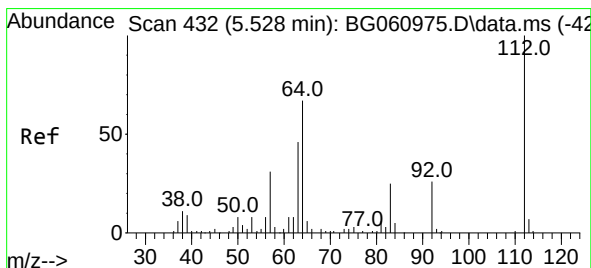
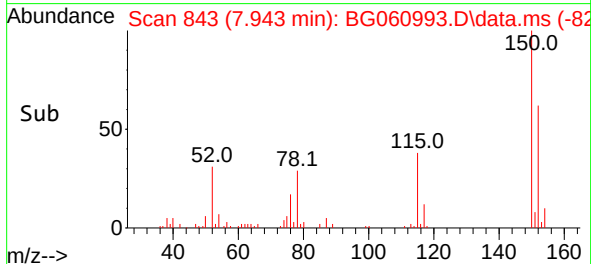
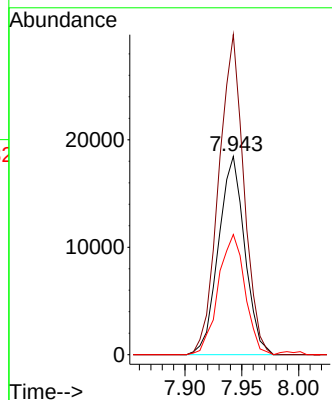
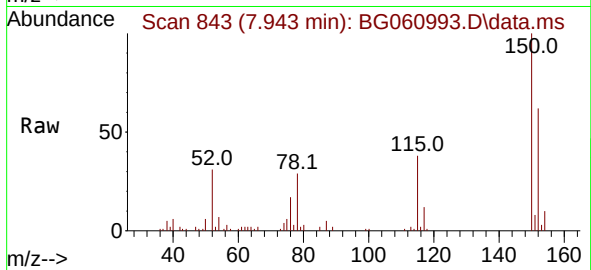




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 843
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

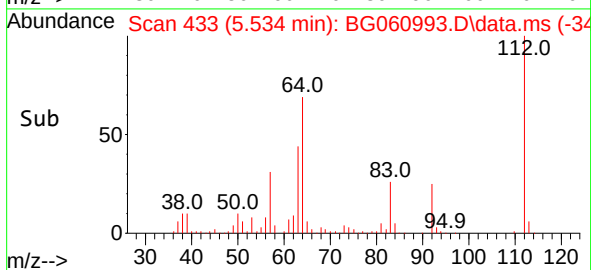
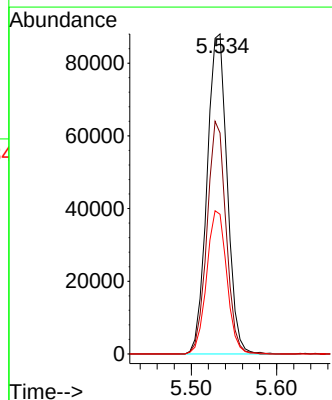
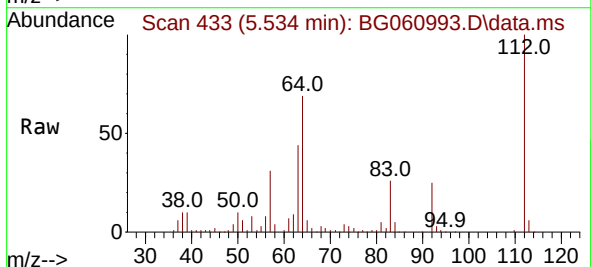
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

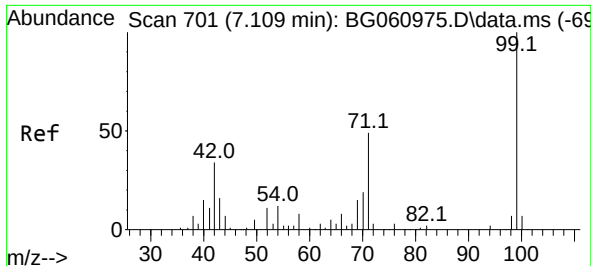
Tgt Ion:152 Resp: 29625
Ion Ratio Lower Upper
152 100
150 161.4 118.6 178.0
115 60.6 47.4 71.0



#5
2-Fluorophenol
Concen: 98.419 ng
RT: 5.534 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:112 Resp: 144143
Ion Ratio Lower Upper
112 100
64 69.0 53.7 80.5
63 43.7 37.0 55.6

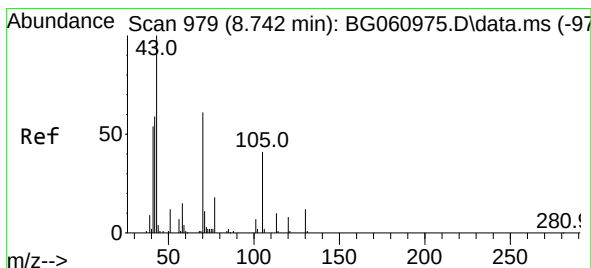
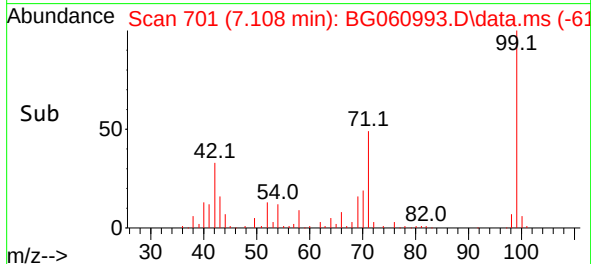
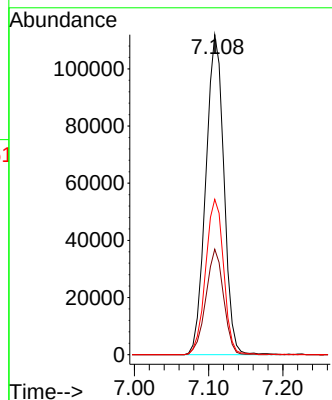
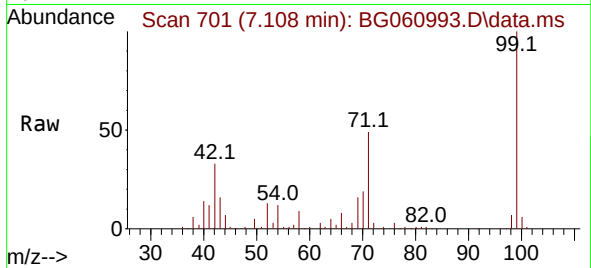




#7
Phenol-d6
Concen: 87.302 ng
RT: 7.108 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

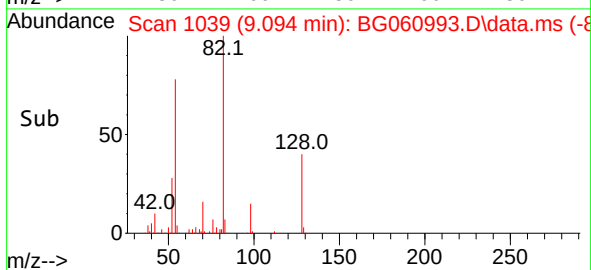
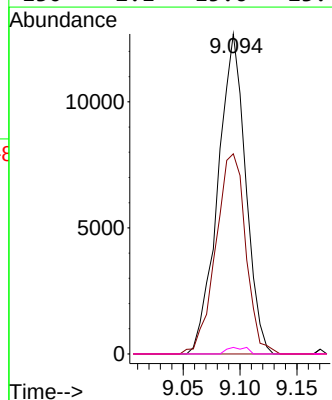
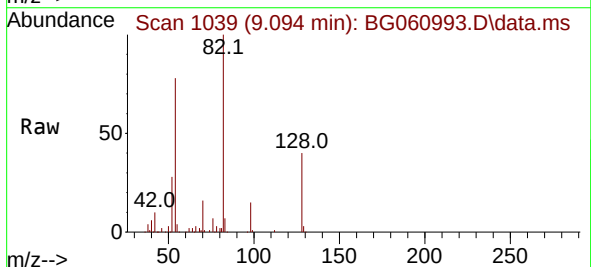
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

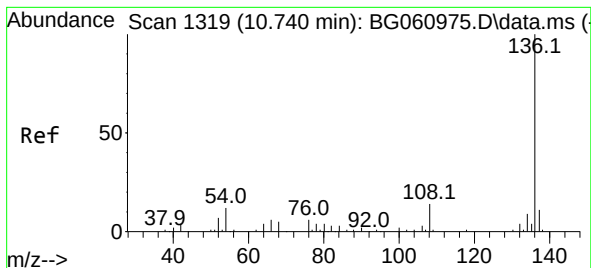
Tgt Ion: 99 Resp: 189711
Ion Ratio Lower Upper
99 100
42 33.0 27.2 40.8
71 48.6 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.290 ng
RT: 9.094 min Scan# 1039
Delta R.T. 0.352 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion: 70 Resp: 21523
Ion Ratio Lower Upper
70 100
42 62.5 78.0 117.0#
101 0.0 8.6 13.0#
130 2.1 15.6 23.4#

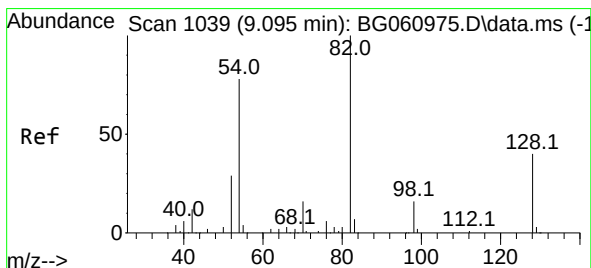
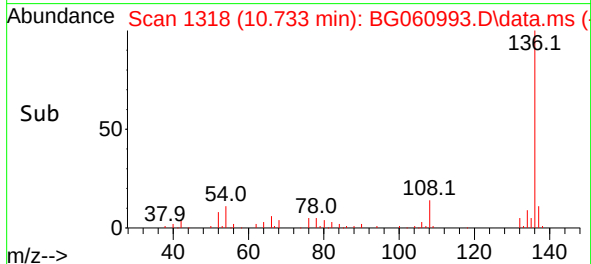
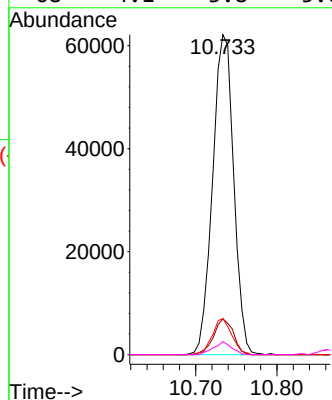
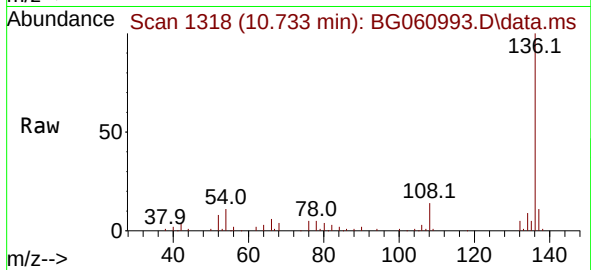




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

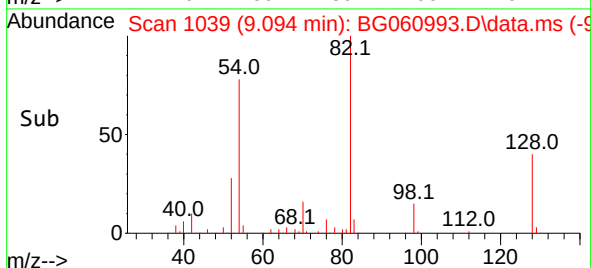
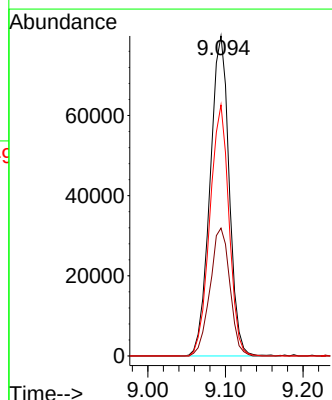
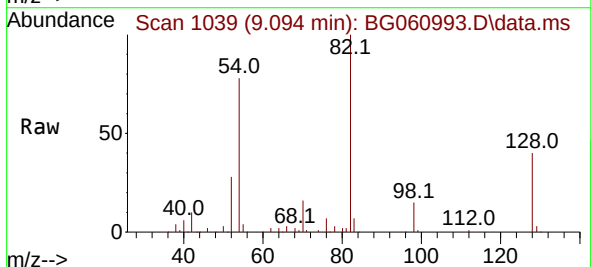
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

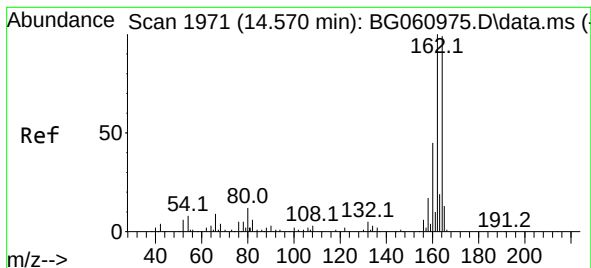
Tgt Ion:136 Resp: 112331
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.3 9.4 14.0
68 4.1 3.8 5.6



#23
Nitrobenzene-d5
Concen: 54.698 ng
RT: 9.094 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion: 82 Resp: 136754
Ion Ratio Lower Upper
82 100
128 39.9 32.1 48.1
54 78.5 62.3 93.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.570 min Scan# 1971

Delta R.T. -0.000 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

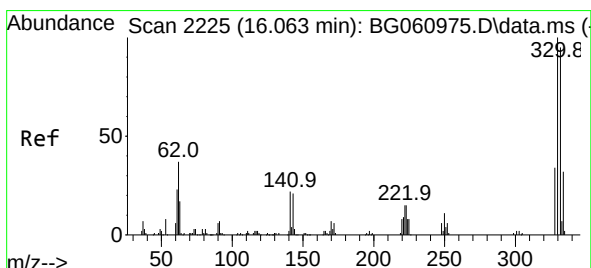
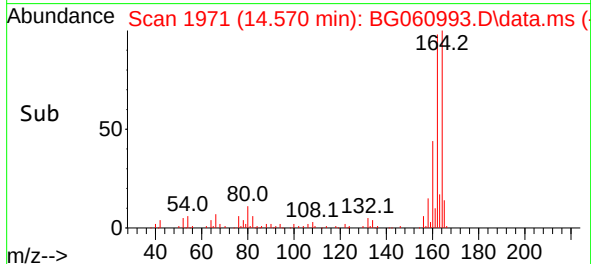
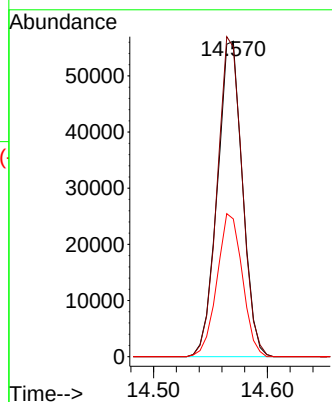
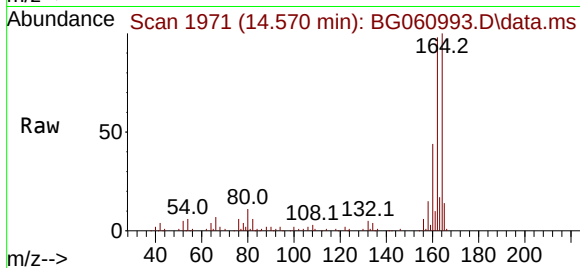
Tgt Ion:164 Resp: 86261

Ion Ratio Lower Upper

164 100

162 98.2 81.2 121.8

160 43.6 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 81.398 ng

RT: 16.057 min Scan# 2224

Delta R.T. -0.006 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

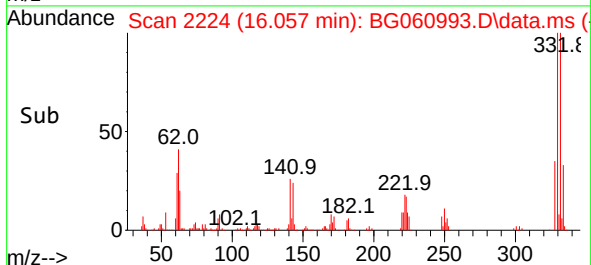
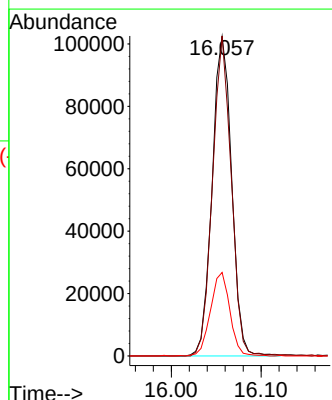
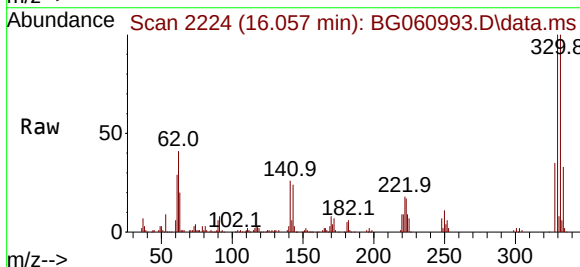
Tgt Ion:330 Resp: 154186

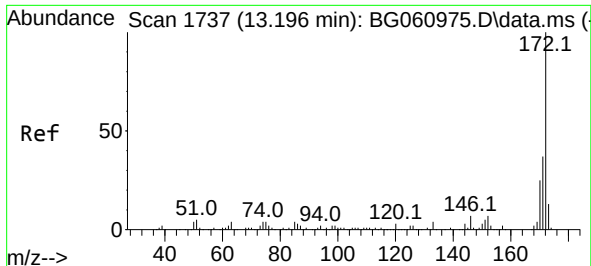
Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 26.0 20.6 31.0

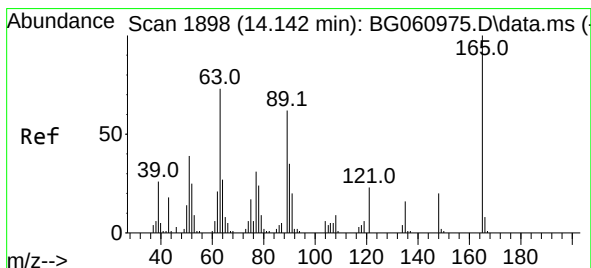
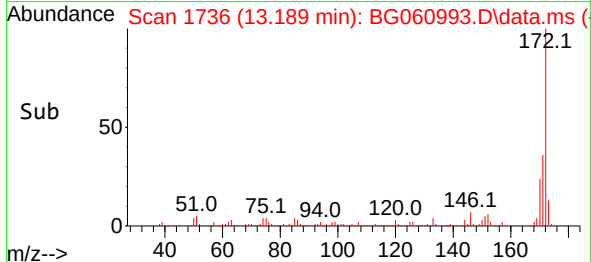
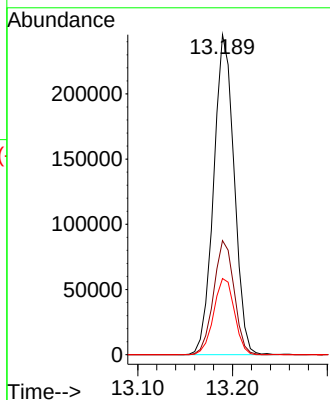
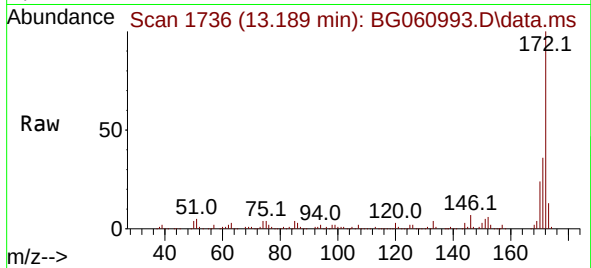




#45
2-Fluorobiphenyl
Concen: 59.274 ng
RT: 13.189 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

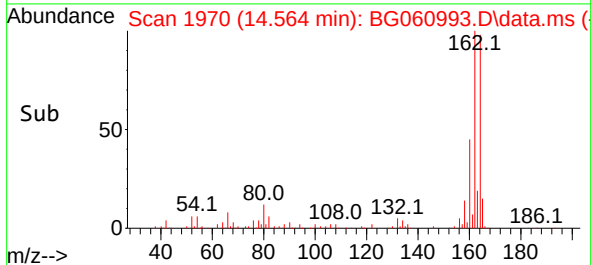
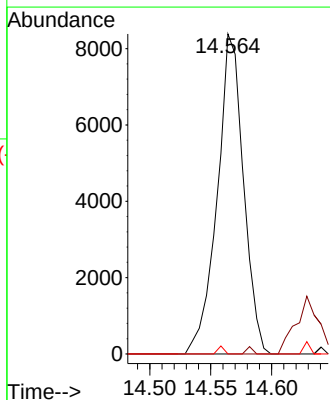
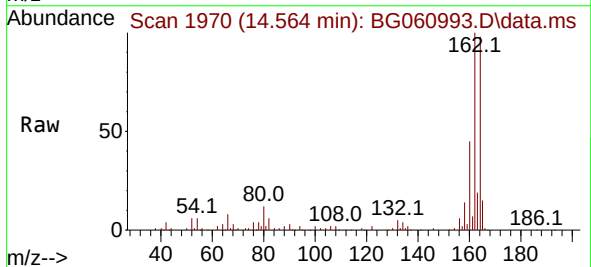
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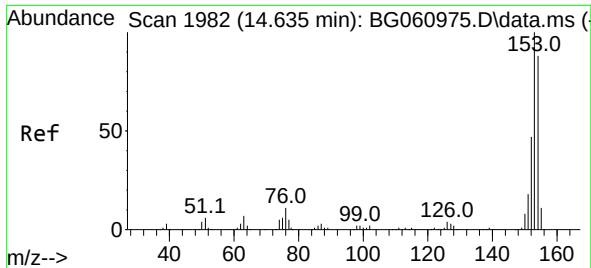
Tgt Ion:172 Resp: 369434
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.8 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 8.459 ng
RT: 14.564 min Scan# 1970
Delta R.T. 0.423 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:165 Resp: 12555
Ion Ratio Lower Upper
165 100
63 0.0 59.6 89.4#
89 0.0 49.4 74.0#

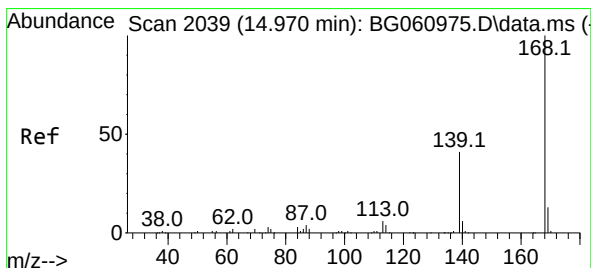
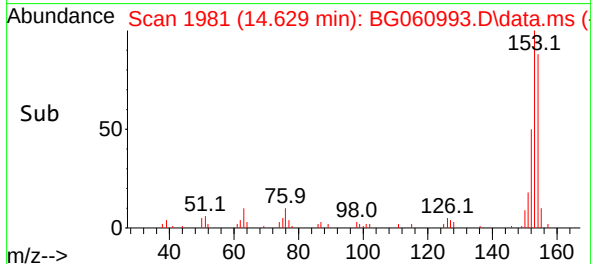
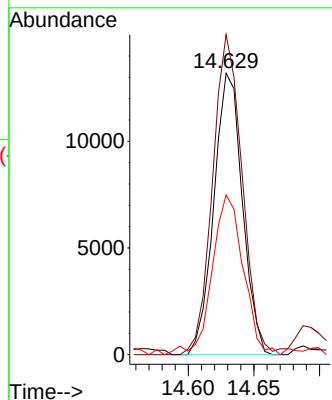
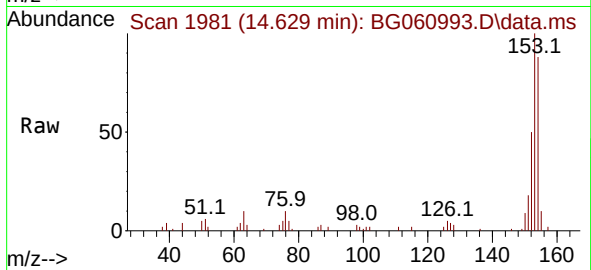




#52
Acenaphthene
Concen: 4.366 ng
RT: 14.629 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

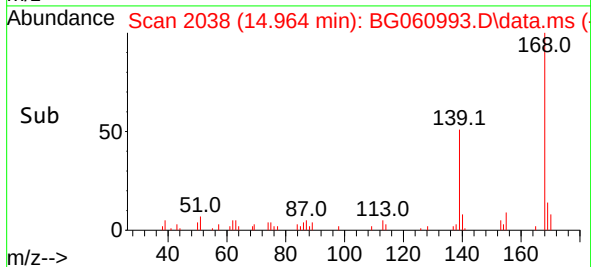
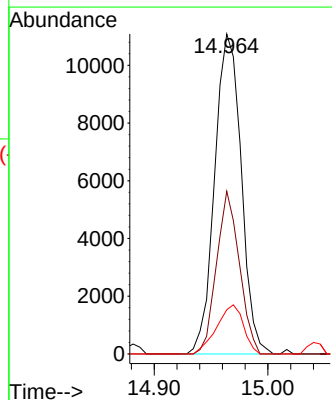
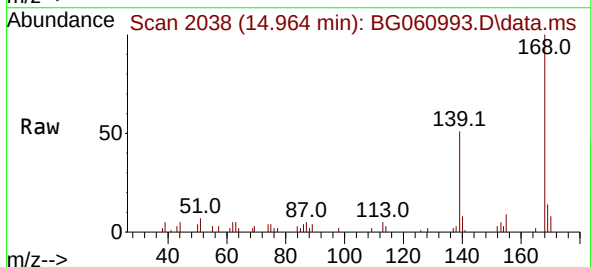
Instrument :
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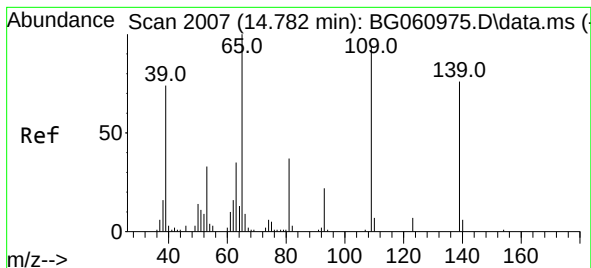
Tgt Ion:154 Resp: 19904
Ion Ratio Lower Upper
154 100
153 113.7 91.2 136.8
152 56.8 42.7 64.1



#55
Dibenzofuran
Concen: 2.283 ng
RT: 14.964 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:168 Resp: 17974
Ion Ratio Lower Upper
168 100
139 50.9 32.4 48.6#
169 13.8 10.6 15.8

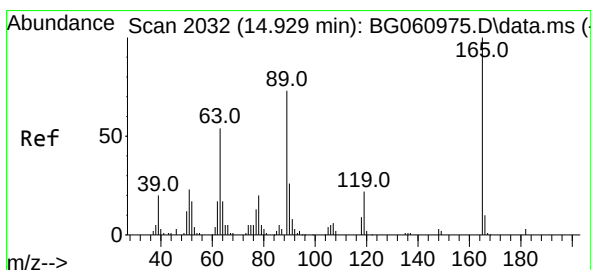
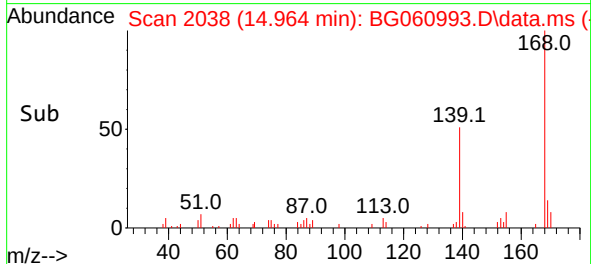
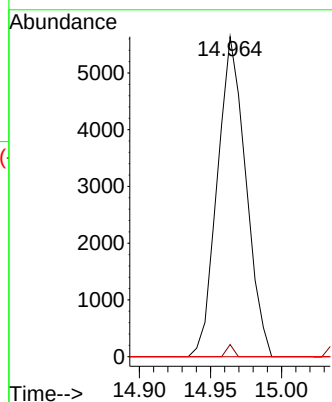
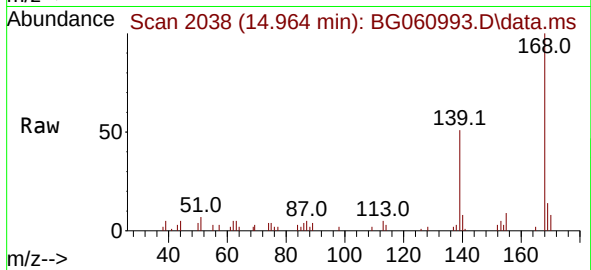




#56
4-Nitrophenol
Concen: 7.487 ng
RT: 14.964 min Scan# 20
Delta R.T. 0.182 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

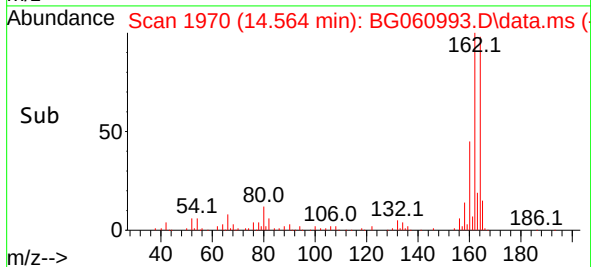
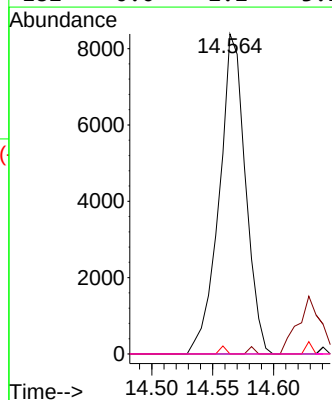
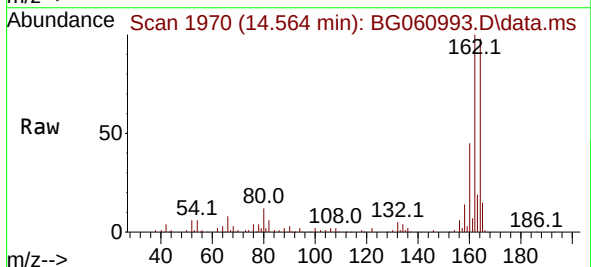
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

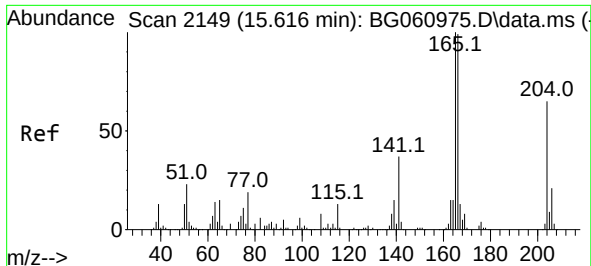
Tgt Ion:139 Resp: 7850
Ion Ratio Lower Upper
139 100
109 3.8 104.1 144.1#
65 0.0 112.0 152.0#



#57
2,4-Dinitrotoluene
Concen: 5.873 ng
RT: 14.564 min Scan# 1970
Delta R.T. -0.365 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:165 Resp: 12555
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 0.0 58.4 87.6#
182 0.0 2.2 3.2#

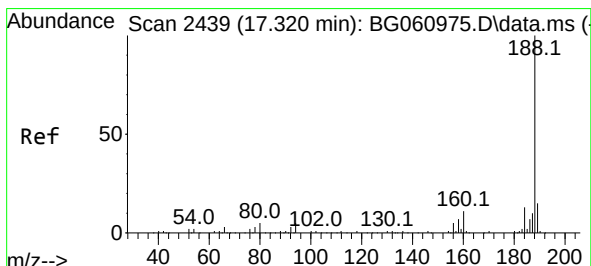
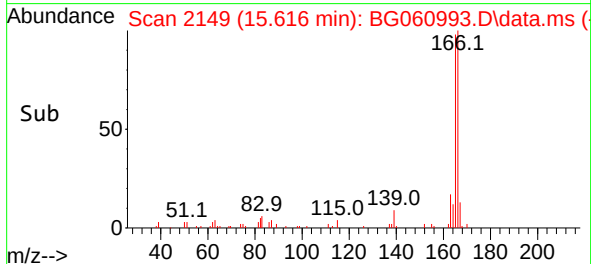
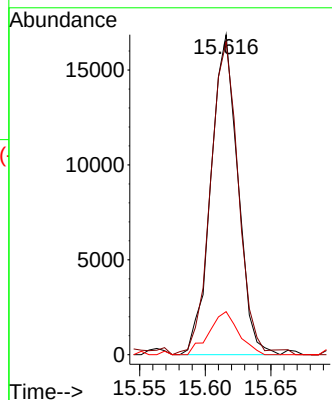
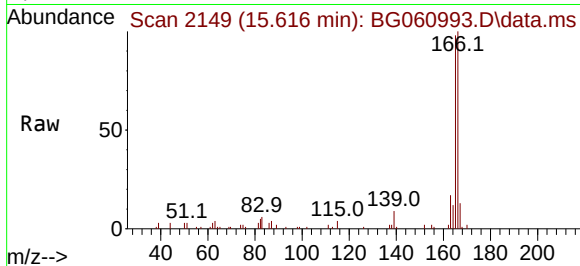




#58
 Fluorene
 Concen: 3.622 ng
 RT: 15.616 min Scan# 2149
 Delta R.T. -0.000 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01

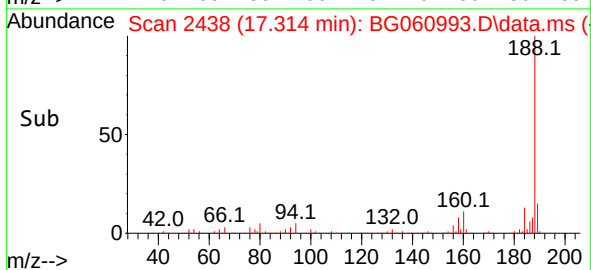
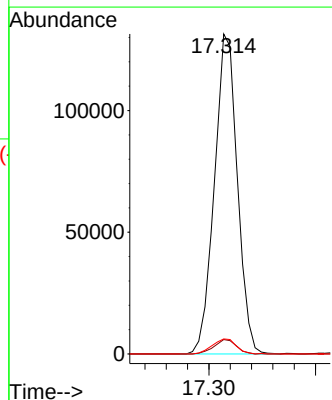
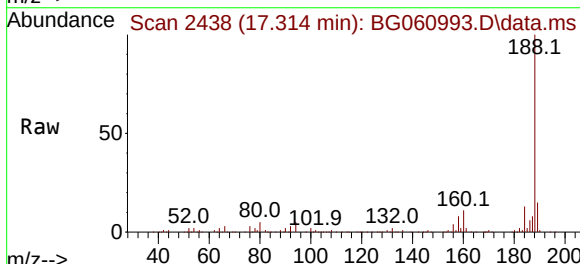
Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACK

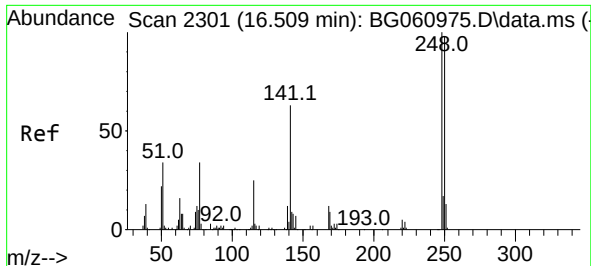
Tgt Ion:166 Resp: 24068
 Ion Ratio Lower Upper
 166 100
 165 97.8 80.9 121.3
 167 13.4 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.314 min Scan# 2438
 Delta R.T. -0.006 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01

Tgt Ion:188 Resp: 196280
 Ion Ratio Lower Upper
 188 100
 94 4.5 4.1 6.1
 80 4.7 4.0 6.0

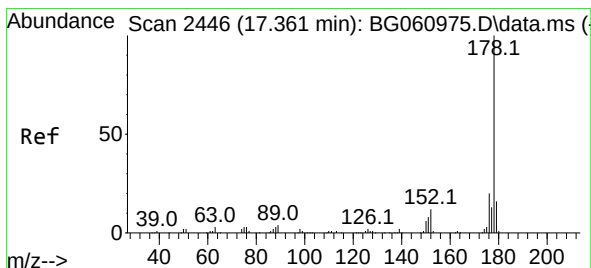
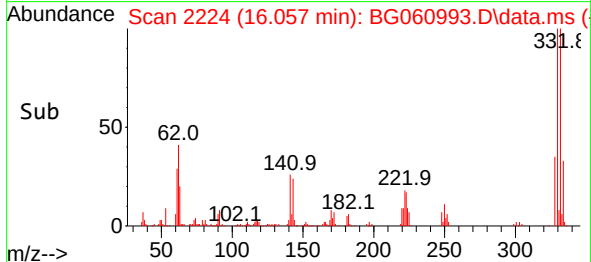
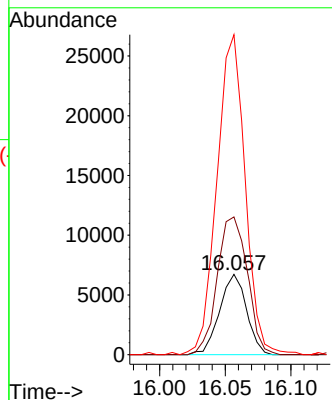
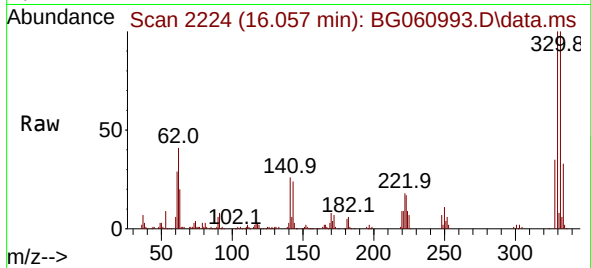




#67
4-Bromophenyl-phenylether
Concen: 3.704 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

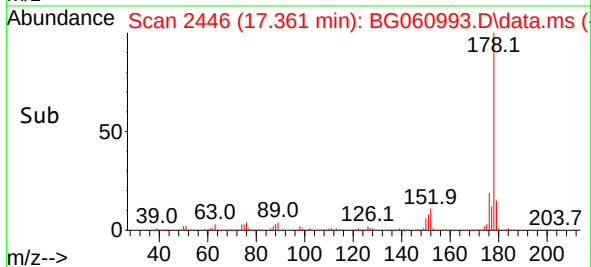
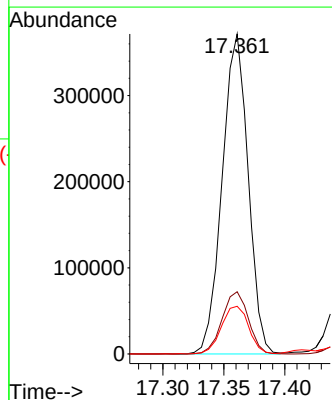
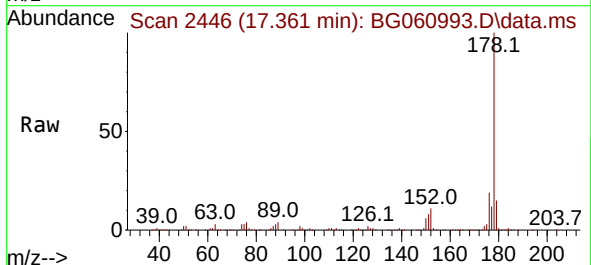
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

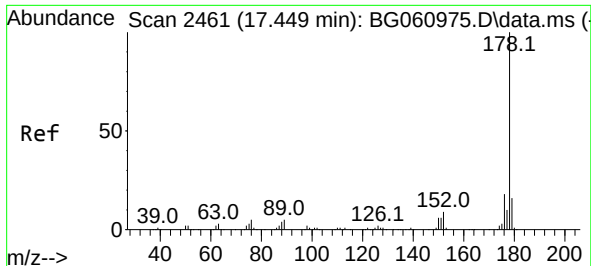
Tgt Ion:248 Resp: 9595
Ion Ratio Lower Upper
248 100
250 171.6 78.7 118.1#
141 398.7 50.4 75.6#



#71
Phenanthrene
Concen: 54.894 ng
RT: 17.361 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:178 Resp: 549973
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.9 12.5 18.7

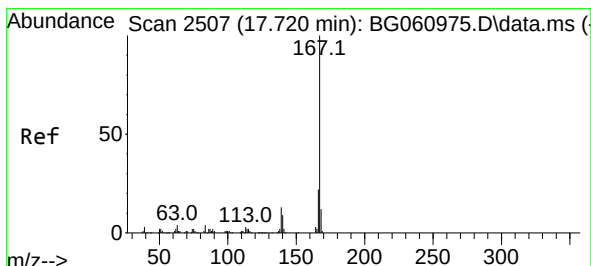
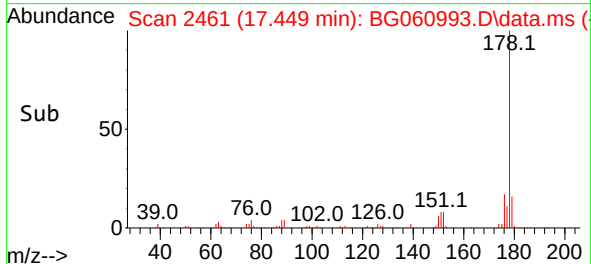
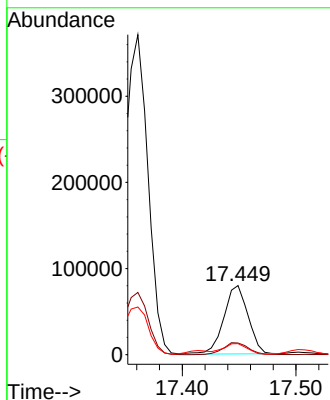
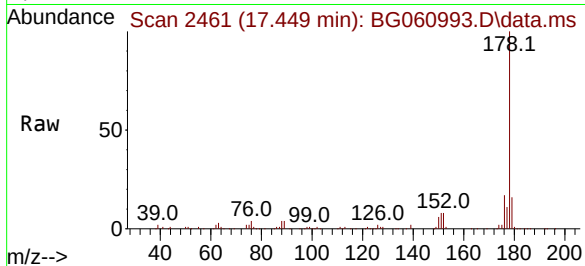




#72
Anthracene
Concen: 11.370 ng
RT: 17.449 min Scan# 2461
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

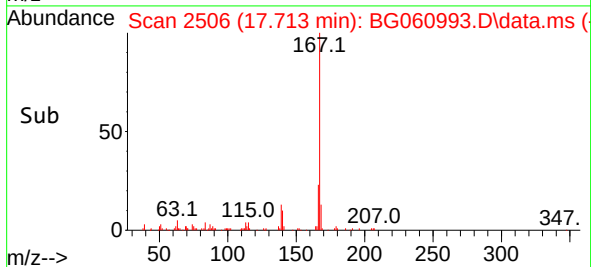
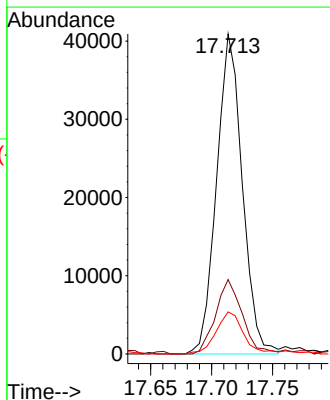
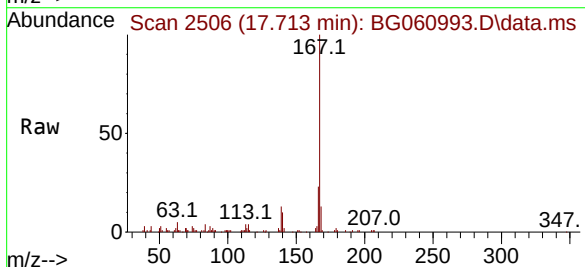
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

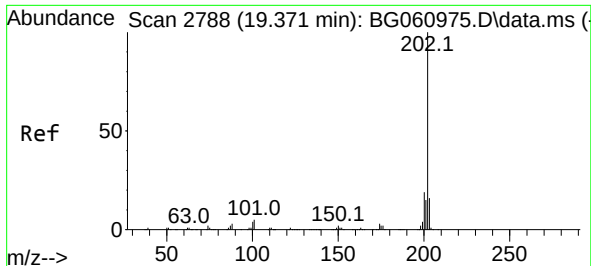
Tgt Ion:178 Resp: 117325
Ion Ratio Lower Upper
178 100
176 17.0 14.7 22.1
179 15.9 12.4 18.6



#73
Carbazole
Concen: 7.007 ng
RT: 17.713 min Scan# 2506
Delta R.T. -0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:167 Resp: 60047
Ion Ratio Lower Upper
167 100
166 23.2 17.8 26.8
139 13.1 10.2 15.2

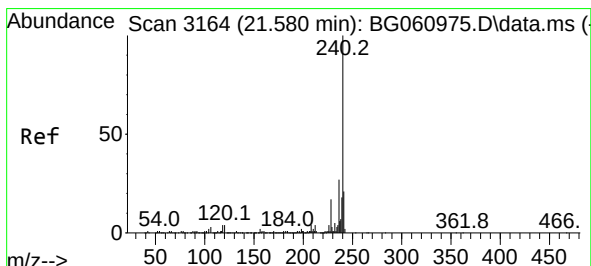
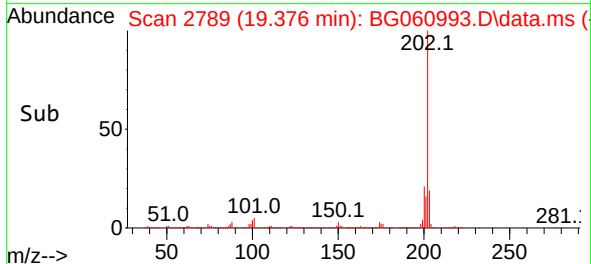
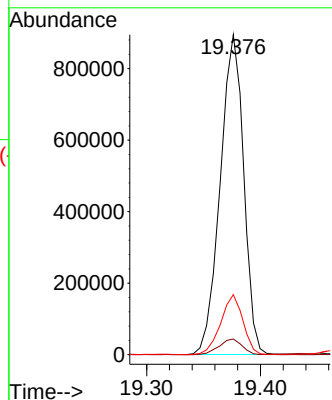
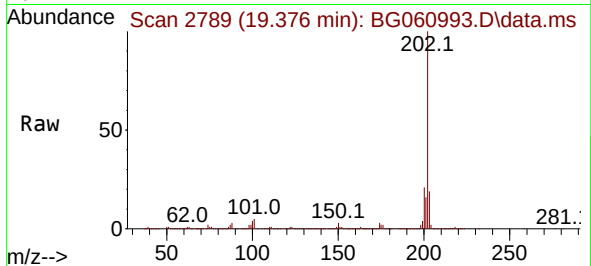




#75
Fluoranthene
Concen: 96.440 ng
RT: 19.376 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

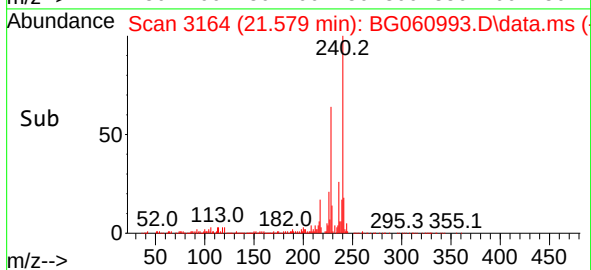
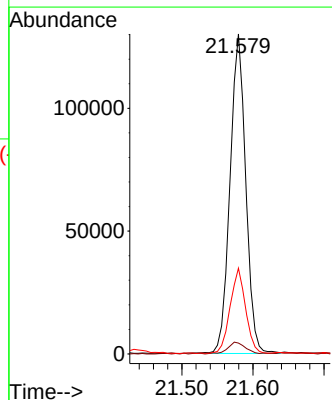
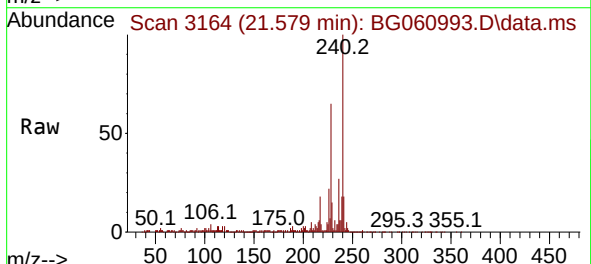
Instrument :
BNA_G
ClientSampleId :
SP-2-BACK

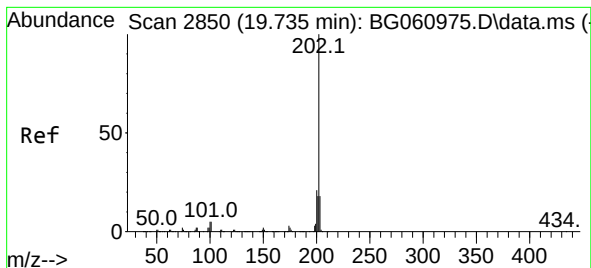
Tgt Ion:202 Resp: 1282283
Ion Ratio Lower Upper
202 100
101 4.9 0.0 24.9
203 18.7 0.0 36.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.579 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG060993.D
Acq: 22 Apr 2024 16:01

Tgt Ion:240 Resp: 200139
Ion Ratio Lower Upper
240 100
120 3.4 3.0 4.6
236 26.8 21.8 32.6





#78

Pyrene

Concen: 81.002 ng

RT: 19.735 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

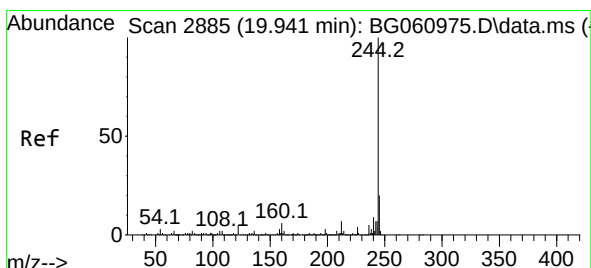
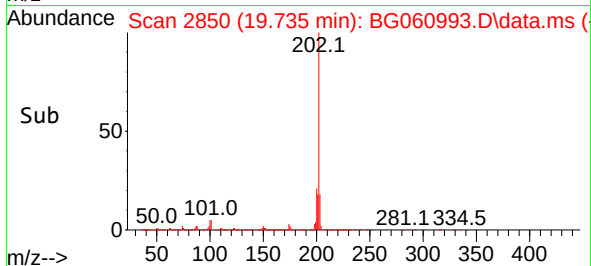
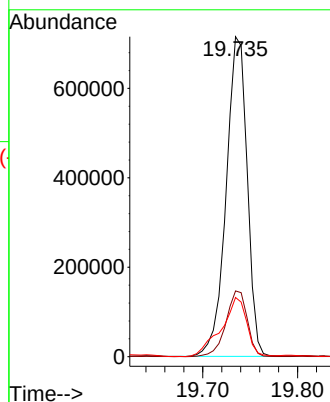
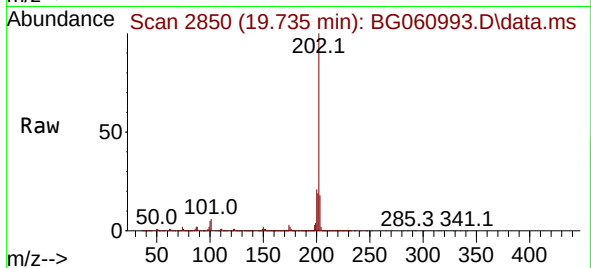
Tgt Ion:202 Resp: 1103846

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 18.5 14.2 21.2



#79

Terphenyl-d14

Concen: 54.439 ng

RT: 19.934 min Scan# 2884

Delta R.T. -0.006 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

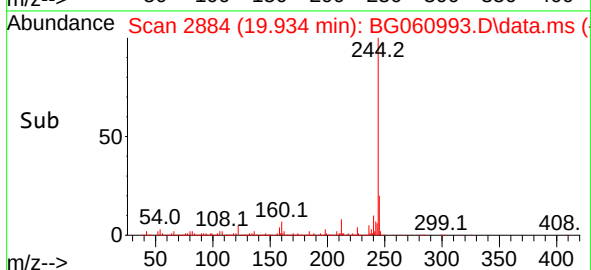
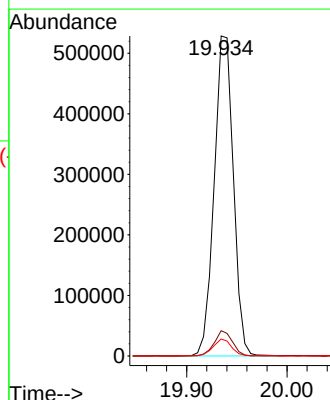
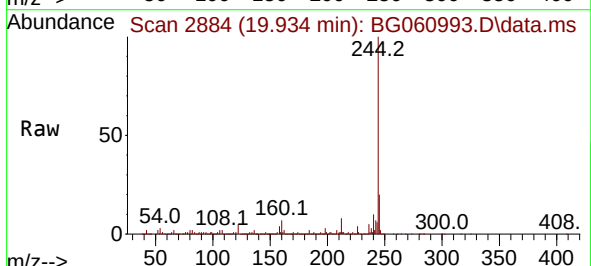
Tgt Ion:244 Resp: 701920

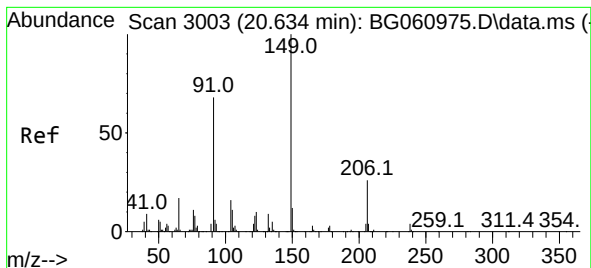
Ion Ratio Lower Upper

244 100

212 7.9 5.9 8.9

122 5.3 4.2 6.2





#80

Butylbenzylphthalate

Concen: 4.175 ng

RT: 20.628 min Scan# 3003

Delta R.T. -0.006 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

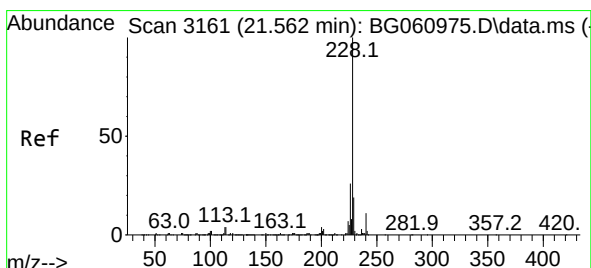
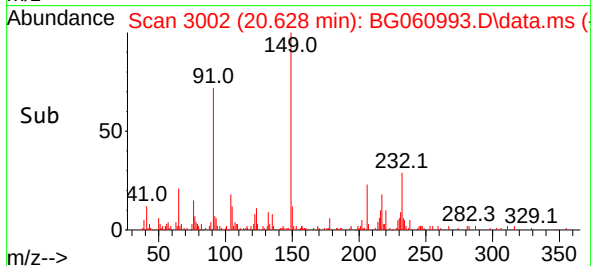
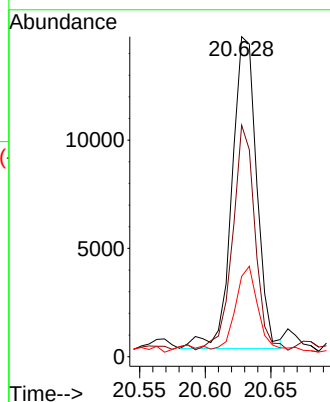
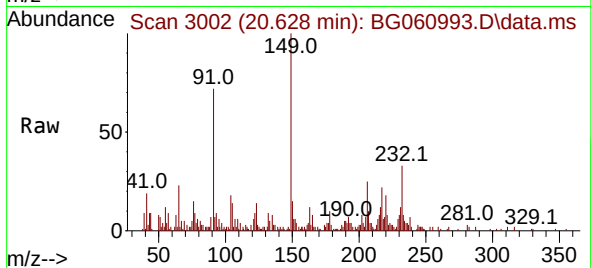
Tgt Ion:149 Resp: 18964

Ion Ratio Lower Upper

149 100

91 72.4 54.4 81.6

206 25.1 20.8 31.2



#81

Benzo(a)anthracene

Concen: 48.227 ng

RT: 21.562 min Scan# 3161

Delta R.T. -0.000 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

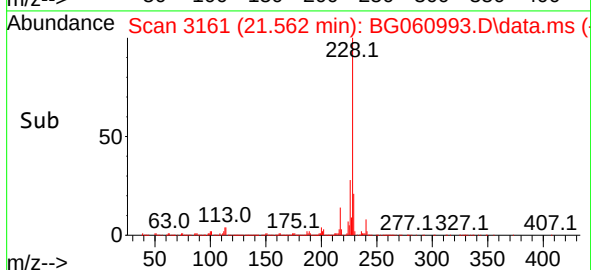
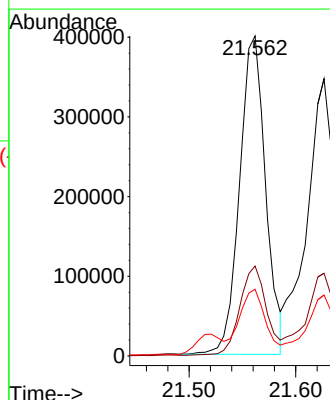
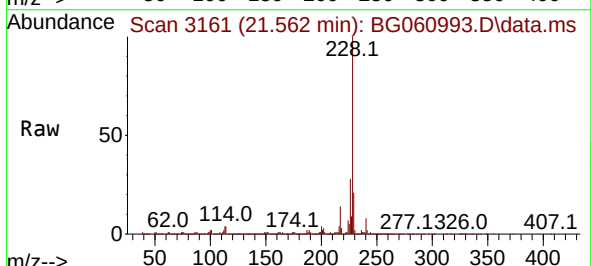
Tgt Ion:228 Resp: 678607

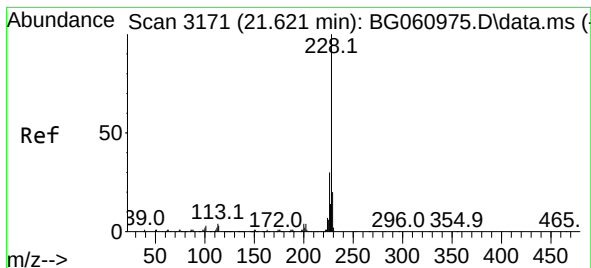
Ion Ratio Lower Upper

228 100

226 28.1 21.0 31.4

229 20.9 15.0 22.4





#83

Chrysene

Concen: 46.631 ng

RT: 21.627 min Scan# 3171

Delta R.T. 0.006 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

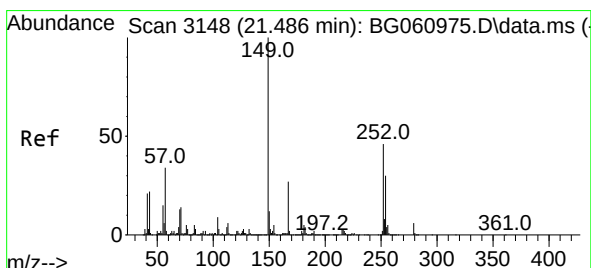
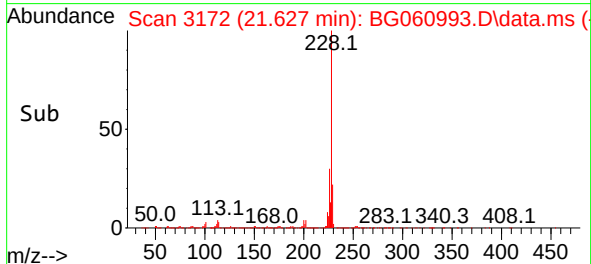
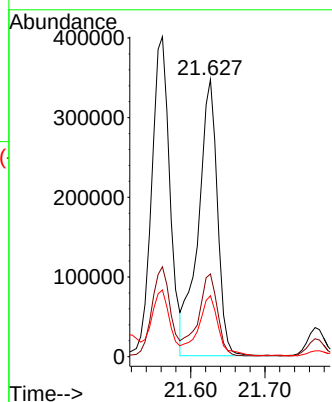
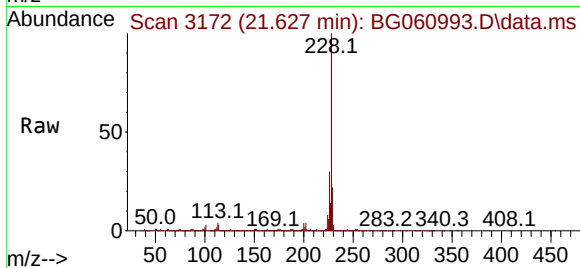
Tgt Ion:228 Resp: 624699

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 22.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.213 ng

RT: 21.485 min Scan# 3148

Delta R.T. -0.000 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

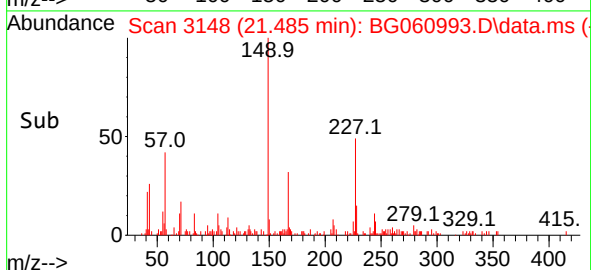
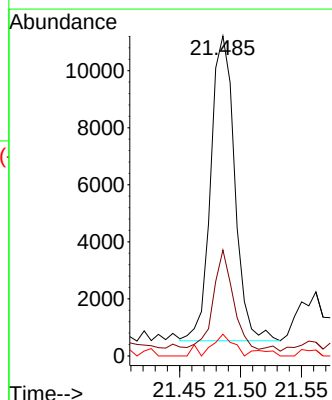
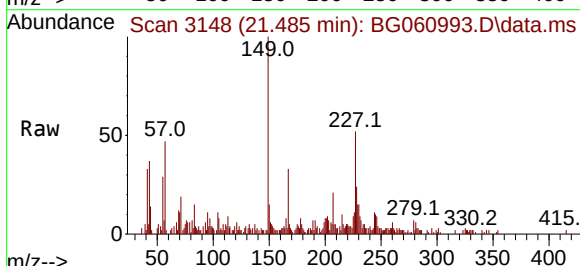
Tgt Ion:149 Resp: 14615

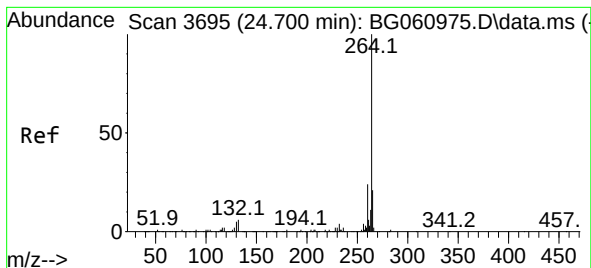
Ion Ratio Lower Upper

149 100

167 33.1 21.8 32.8#

279 6.8 4.4 6.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.705 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

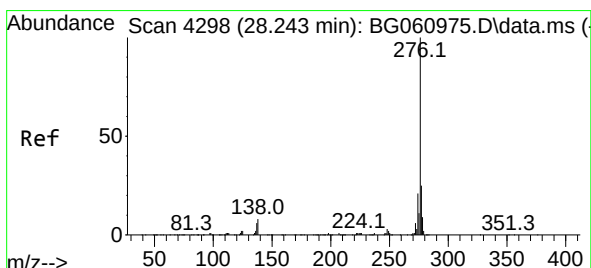
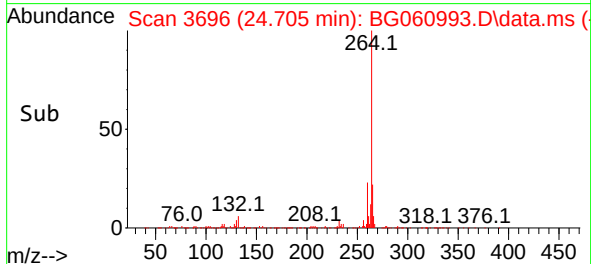
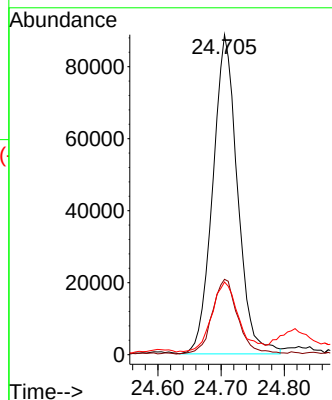
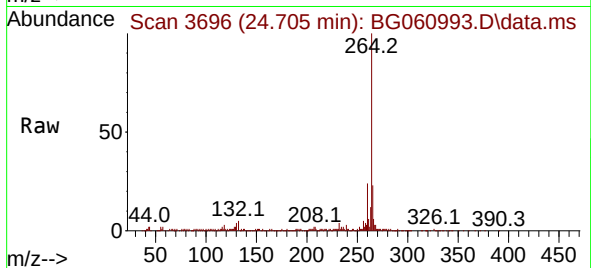
Tgt Ion:264 Resp: 240853

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 22.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.547 ng

RT: 28.254 min Scan# 4300

Delta R.T. 0.011 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

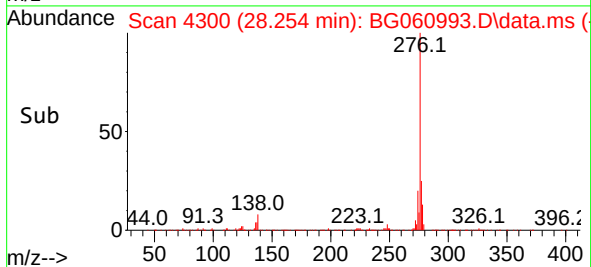
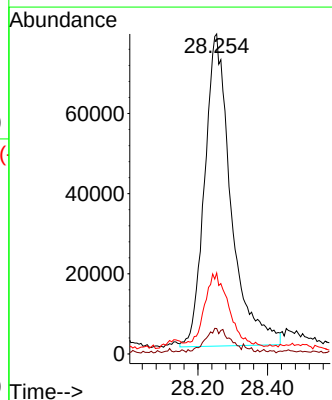
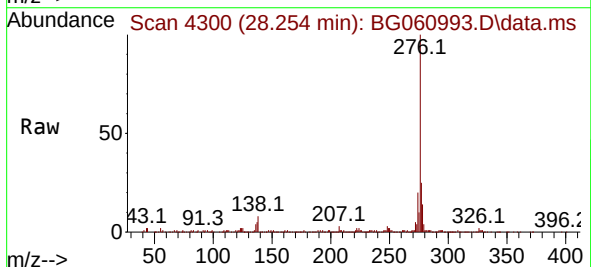
Tgt Ion:276 Resp: 410140

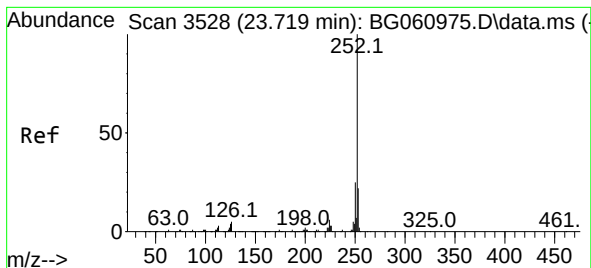
Ion Ratio Lower Upper

276 100

138 3.9 5.3 7.9#

277 20.5 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 64.452 ng

RT: 23.730 min Scan# 3530

Delta R.T. 0.011 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

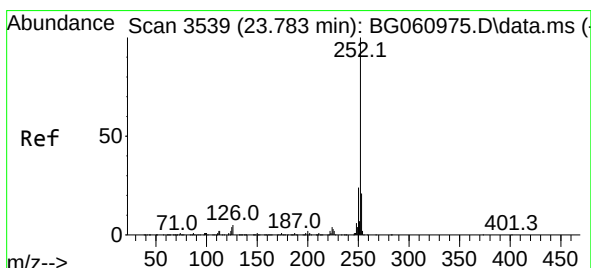
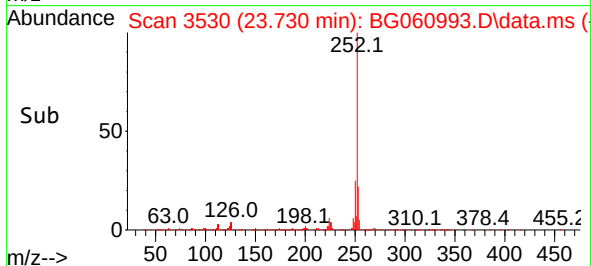
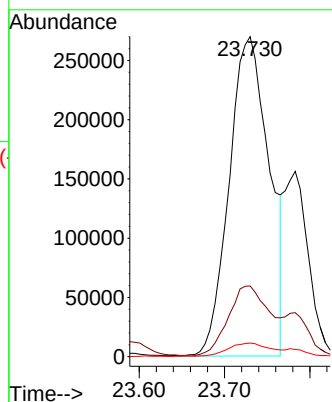
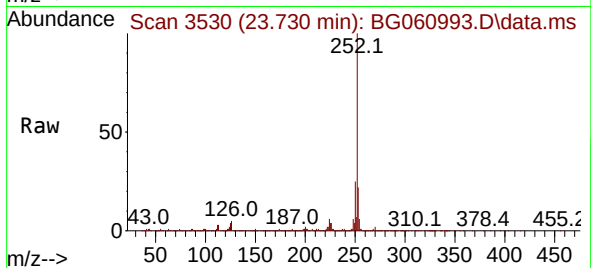
Tgt Ion:252 Resp: 879707

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 4.3 3.3 4.9



#89

Benzo(k)fluoranthene

Concen: 63.847 ng

RT: 23.730 min Scan# 3530

Delta R.T. -0.053 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

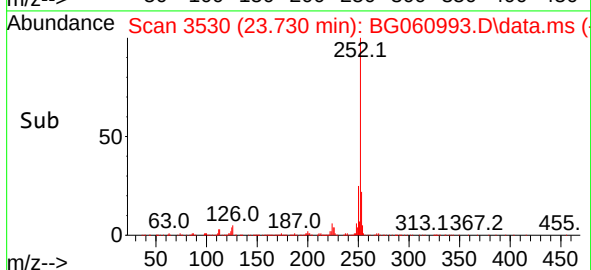
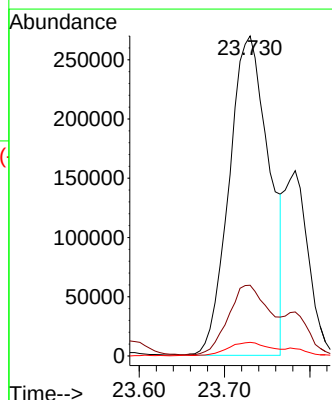
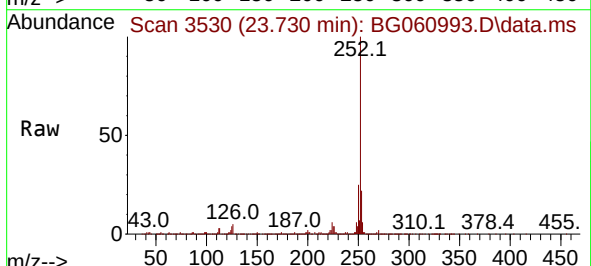
Tgt Ion:252 Resp: 879707

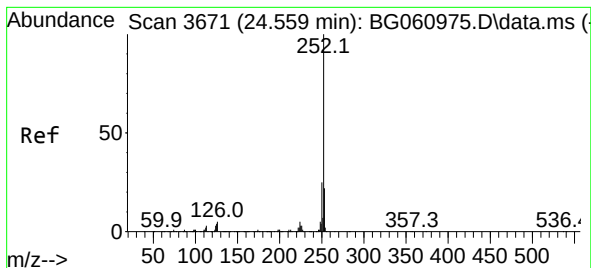
Ion Ratio Lower Upper

252 100

253 22.1 16.6 25.0

125 4.3 3.3 4.9





#90

Benzo(a)pyrene

Concen: 45.799 ng

RT: 24.564 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

Instrument :

BNA_G

ClientSampleId :

SP-2-BACK

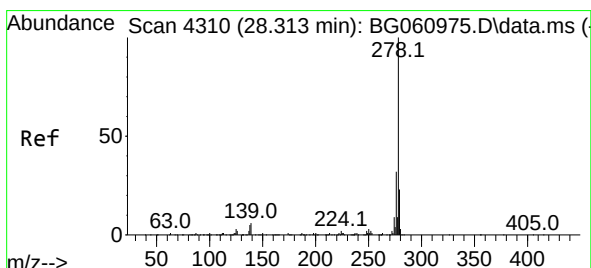
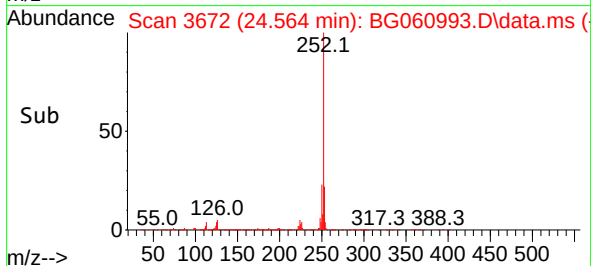
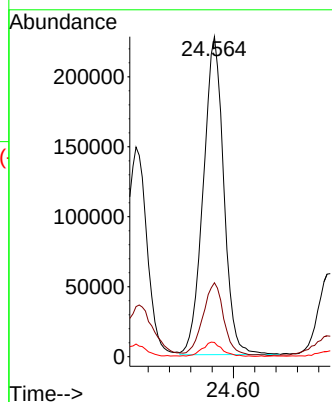
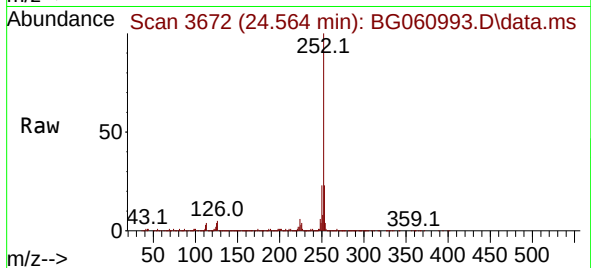
Tgt Ion:252 Resp: 605068

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 4.5 3.6 5.4



#91

Dibenzo(a,h)anthracene

Concen: 7.176 ng

RT: 28.295 min Scan# 4307

Delta R.T. -0.018 min

Lab File: BG060993.D

Acq: 22 Apr 2024 16:01

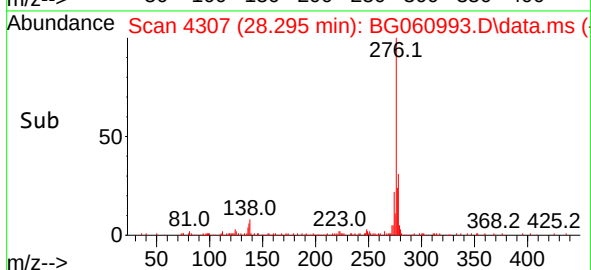
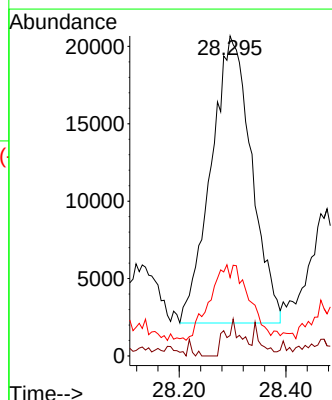
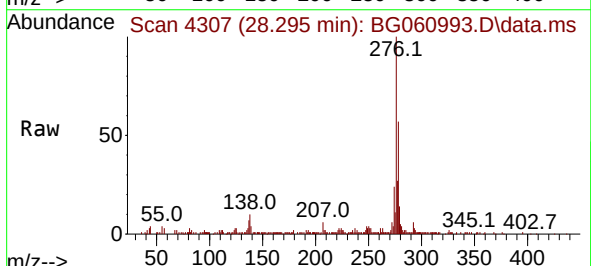
Tgt Ion:278 Resp: 97951

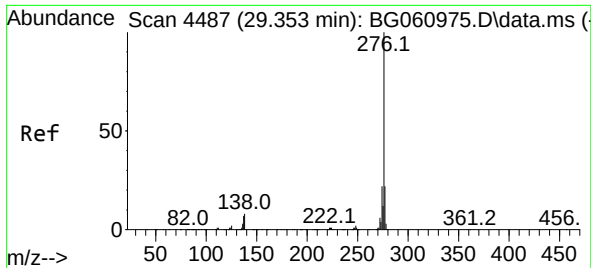
Ion Ratio Lower Upper

278 100

139 6.4 4.7 7.1

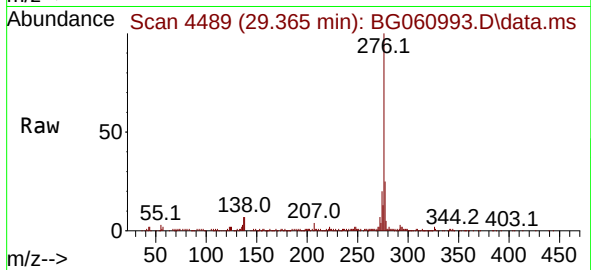
279 24.5 18.2 27.4





#92
 Benzo(g,h,i)perylene
 Concen: 26.638 ng
 RT: 29.365 min Scan# 44
 Delta R.T. 0.011 min
 Lab File: BG060993.D
 Acq: 22 Apr 2024 16:01

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACK



Tgt Ion: 276 Resp: 360541

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.0	27.0
138	6.8	6.5	9.7

