

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061035.D
 Acq On : 25 Apr 2024 13:03
 Operator : MA/JU
 Sample : P2127-04DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACKDL

Quant Time: Apr 25 13:38:45 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)

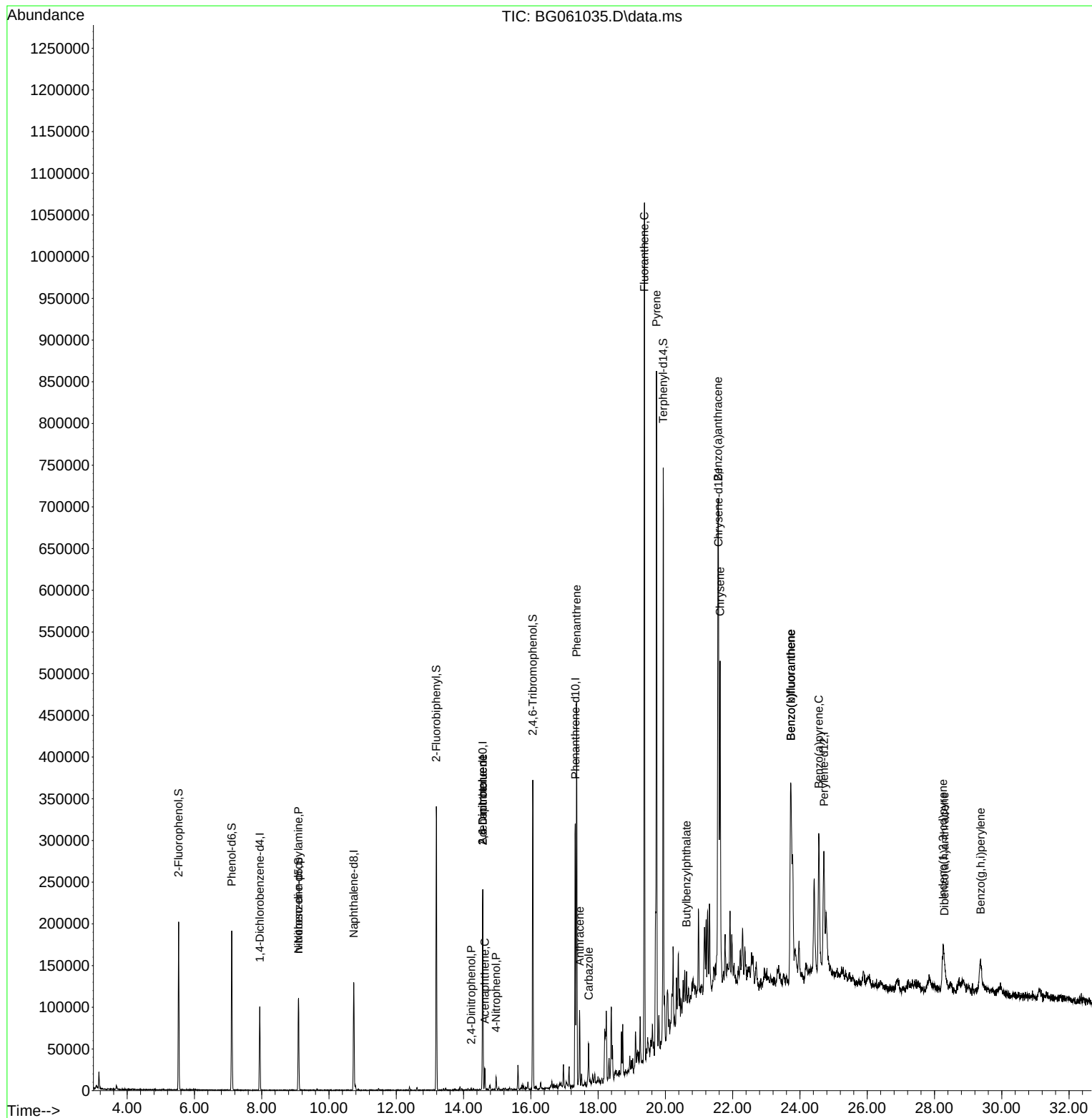
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.944	152	25361	20.000	ng	0.00
21) Naphthalene-d8	10.735	136	104117	20.000	ng	# 0.00
39) Acenaphthene-d10	14.571	164	87869	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	212323	20.000	ng	0.00
76) Chrysene-d12	21.581	240	205031	20.000	ng	0.00
86) Perylene-d12	24.712	264	197174	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	67809	54.083	ng	0.00
7) Phenol-d6	7.109	99	87480	47.025	ng	0.00
23) Nitrobenzene-d5	9.095	82	56126	24.220	ng	0.00
42) 2,4,6-Tribromophenol	16.058	330	80898	41.926	ng	0.00
45) 2-Fluorobiphenyl	13.190	172	173006	27.250	ng	0.00
79) Terphenyl-d14	19.936	244	347999	26.346	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.095	70	8884	6.408	ng	# 64
51) 2,6-Dinitrotoluene	14.571	165	12189	8.062	ng	# 16
52) Acenaphthene	14.630	154	10123	2.180	ng	90
54) 2,4-Dinitrophenol	14.230	184	54	5.616	ng	# 12
56) 4-Nitrophenol	14.965	139	3728	3.491	ng	# 1
57) 2,4-Dinitrotoluene	14.571	165	12189	5.598	ng	# 19
71) Phenanthrene	17.362	178	285237	26.319	ng	98
72) Anthracene	17.450	178	58493	5.240	ng	96
73) Carbazole	17.720	167	32955	3.555	ng	97
75) Fluoranthene	19.377	202	659648	45.863	ng	97
78) Pyrene	19.736	202	556709	39.878	ng	99
80) Butylbenzylphthalate	20.629	149	9968	2.142	ng	95
81) Benzo(a)anthracene	21.563	228	343445	23.826	ng	97
83) Chrysene	21.628	228	302479	22.040	ng	97
87) Indeno(1,2,3-cd)pyrene	28.255	276	124349	9.091	ng	# 92
88) Benzo(b)fluoranthene	23.731	252	346729	31.031	ng	99
89) Benzo(k)fluoranthene	23.731	252	346729	30.739	ng	97
90) Benzo(a)pyrene	24.560	252	250593	23.170	ng	96
91) Dibenzo(a,h)anthracene	28.290	278	32032	2.866	ng	# 86
92) Benzo(g,h,i)perylene	29.372	276	104474	9.429	ng	98

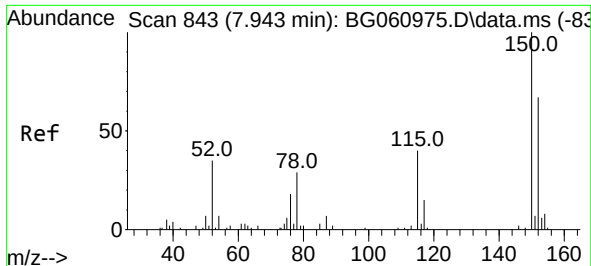
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061035.D
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Response via : Initial Calibration

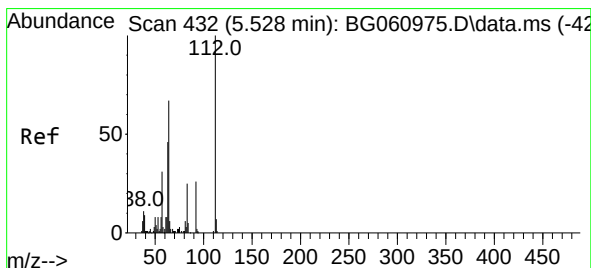
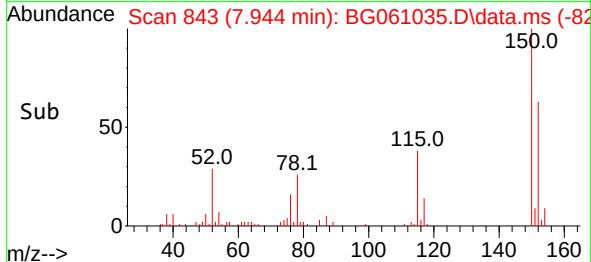
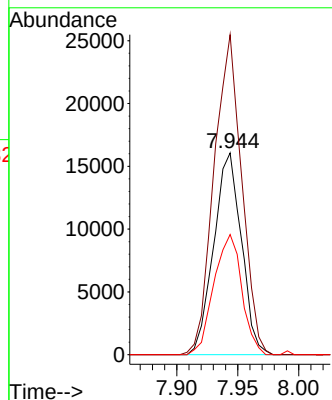
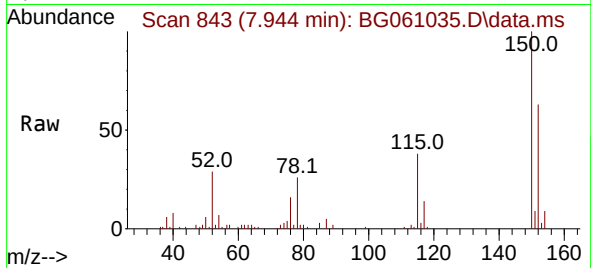




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.944 min Scan# 843
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

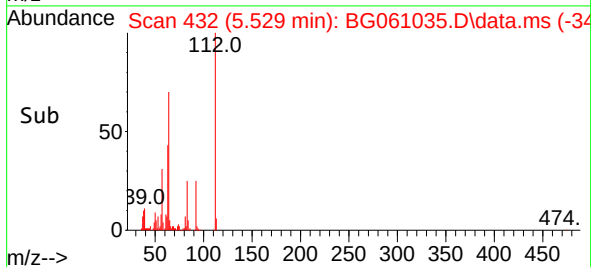
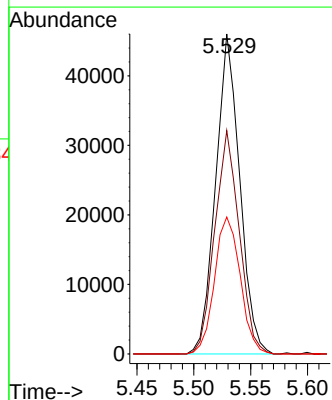
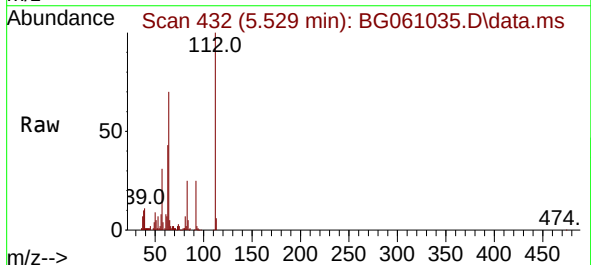
Instrument :
BNA_G
ClientSampleId :
SP-2-BACKDL

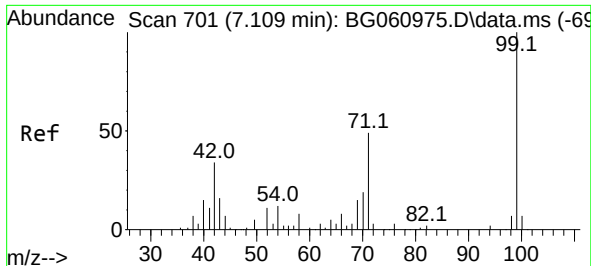
Tgt Ion:152 Resp: 25361
Ion Ratio Lower Upper
152 100
150 158.5 118.6 178.0
115 59.5 47.4 71.0



#5
2-Fluorophenol
Concen: 54.083 ng
RT: 5.529 min Scan# 432
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:112 Resp: 67809
Ion Ratio Lower Upper
112 100
64 69.8 53.7 80.5
63 42.8 37.0 55.6

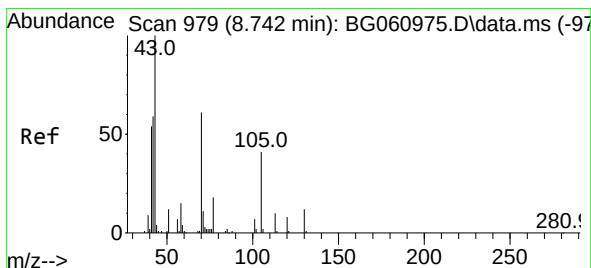
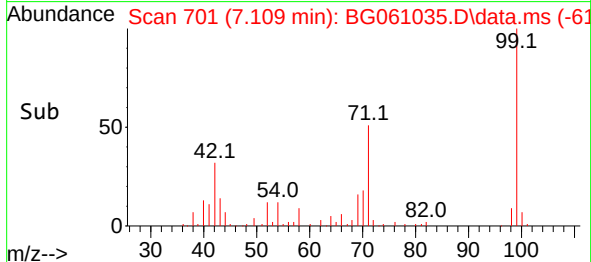
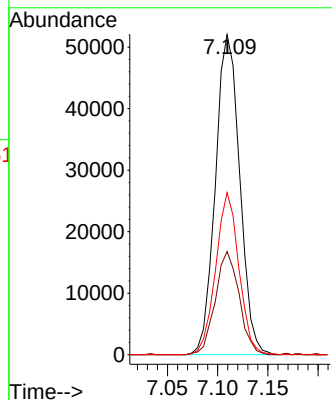
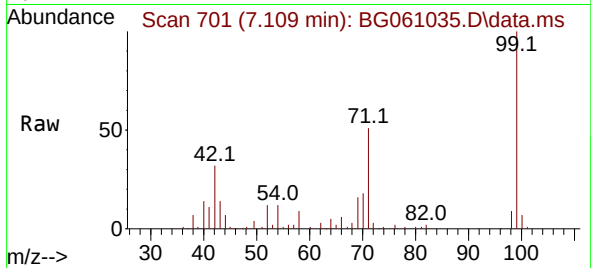




#7
Phenol-d6
Concen: 47.025 ng
RT: 7.109 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

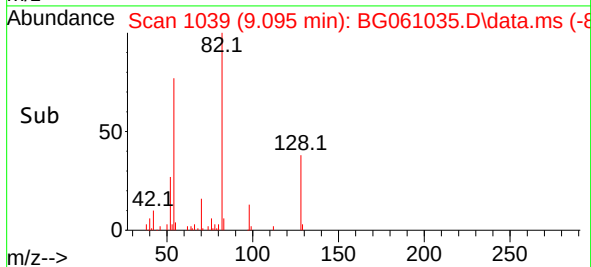
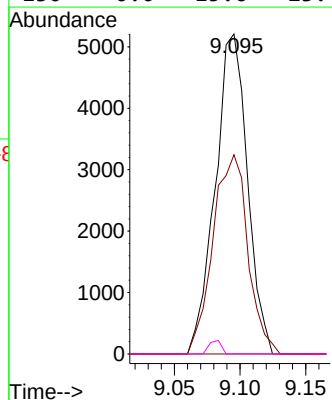
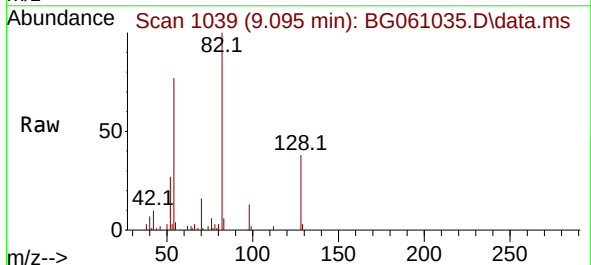
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BNA_G
ClientSampleId :
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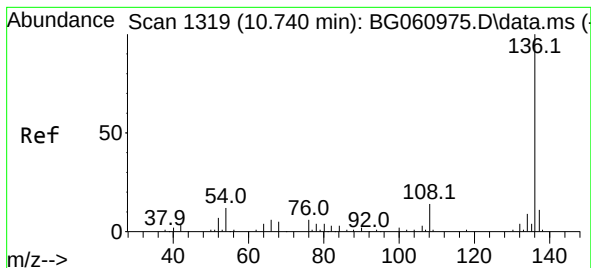
Tgt Ion: 99 Resp: 87480
Ion Ratio Lower Upper
99 100
42 32.2 27.2 40.8
71 50.6 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.408 ng
RT: 9.095 min Scan# 1039
Delta R.T. 0.353 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion: 70 Resp: 8884
Ion Ratio Lower Upper
70 100
42 62.3 78.0 117.0#
101 0.0 8.6 13.0#
130 0.0 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.735 min Scan# 1318

Delta R.T. -0.005 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

Tgt Ion:136 Resp: 104117

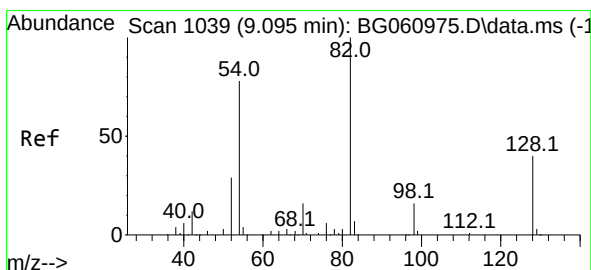
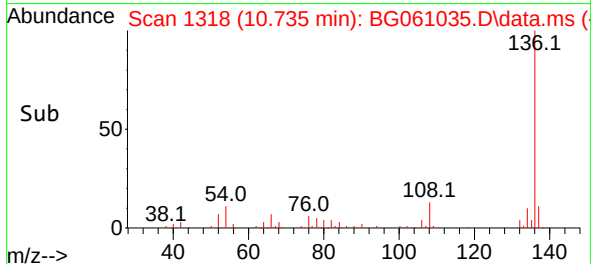
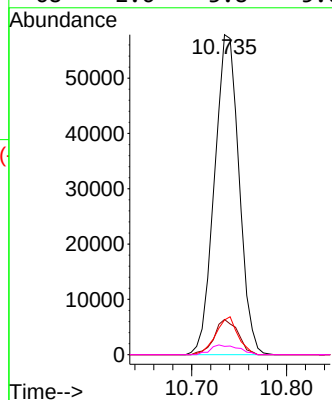
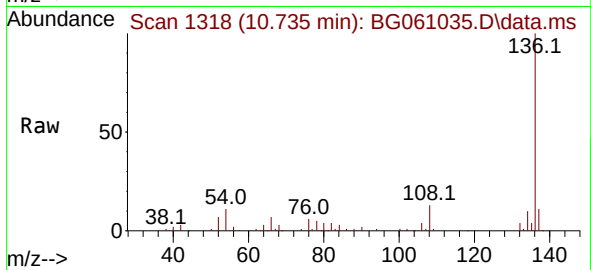
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.9 9.4 14.0

68 2.6 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 24.220 ng

RT: 9.095 min Scan# 1039

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

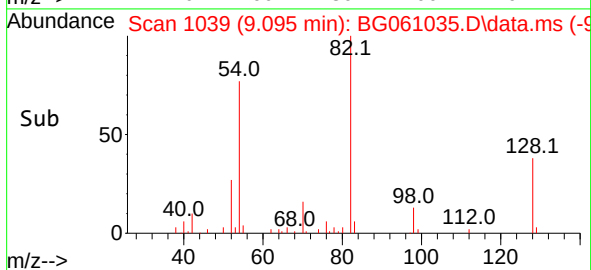
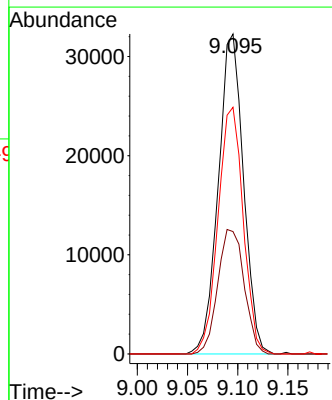
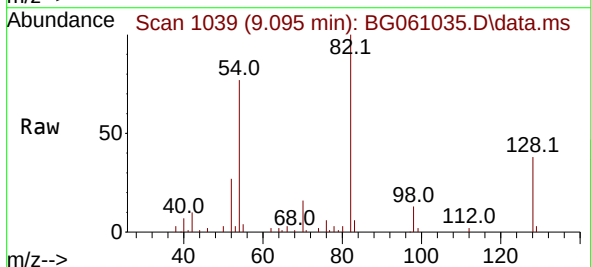
Tgt Ion: 82 Resp: 56126

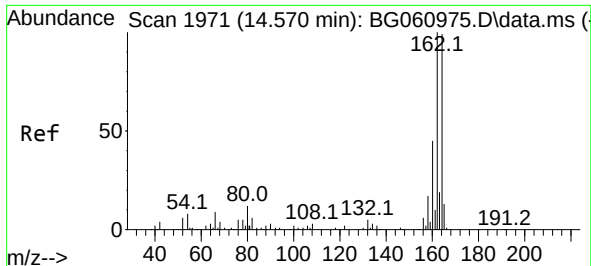
Ion Ratio Lower Upper

82 100

128 38.3 32.1 48.1

54 77.1 62.3 93.5

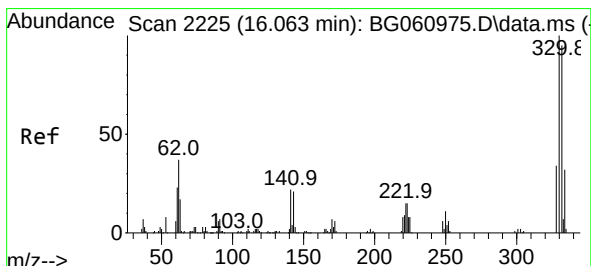
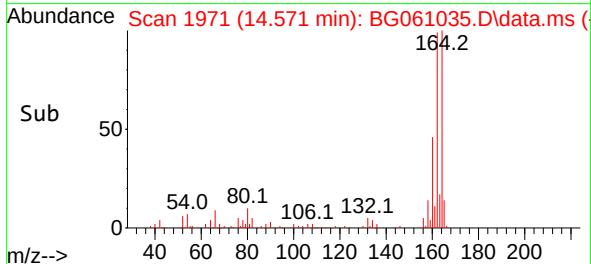
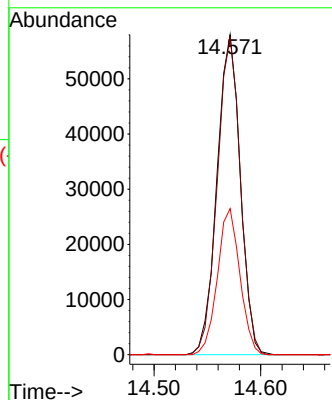
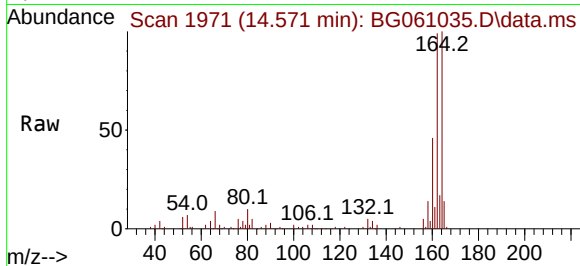




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1971
Delta R.T. 0.001 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

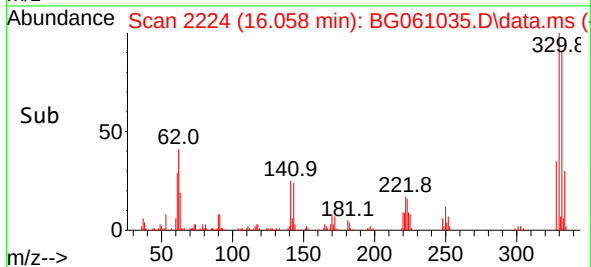
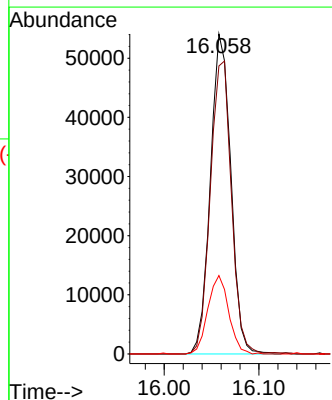
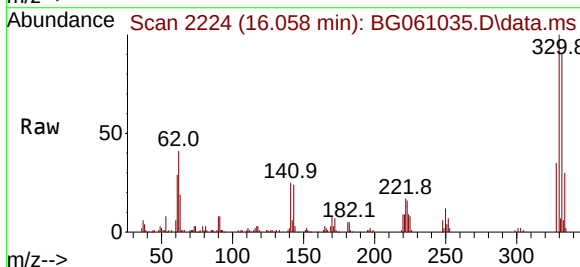
Instrument :
BNA_G
ClientSampleId :
SP-2-BACKDL

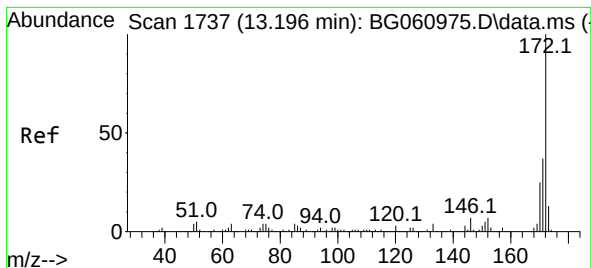
Tgt Ion:164 Resp: 87869
Ion Ratio Lower Upper
164 100
162 99.3 81.2 121.8
160 45.7 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 41.926 ng
RT: 16.058 min Scan# 2224
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:330 Resp: 80898
Ion Ratio Lower Upper
330 100
332 94.2 77.1 115.7
141 25.0 20.6 31.0

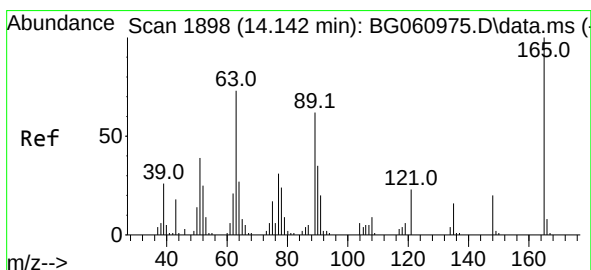
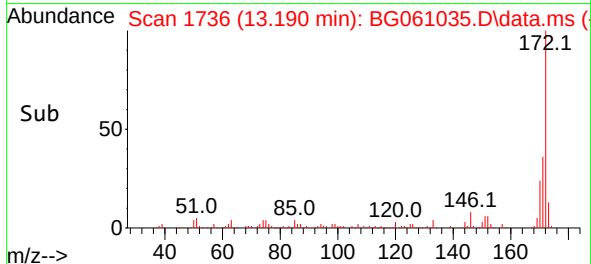
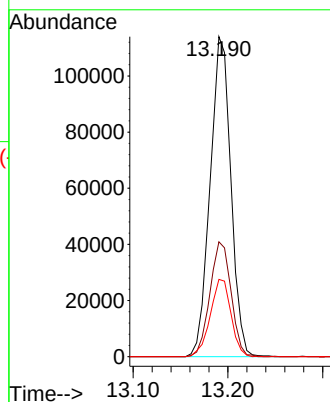
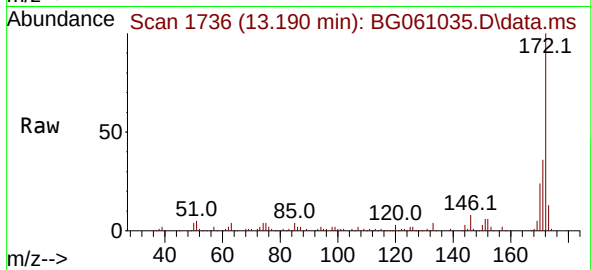




#45
2-Fluorobiphenyl
Concen: 27.250 ng
RT: 13.190 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

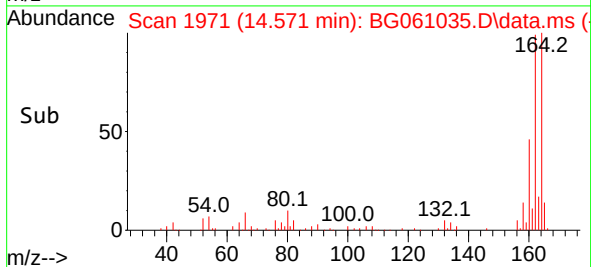
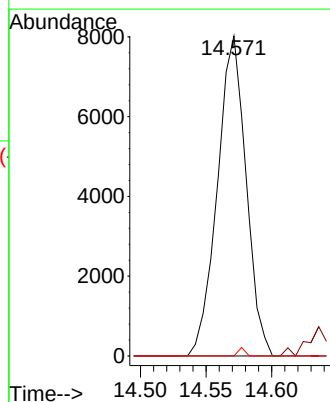
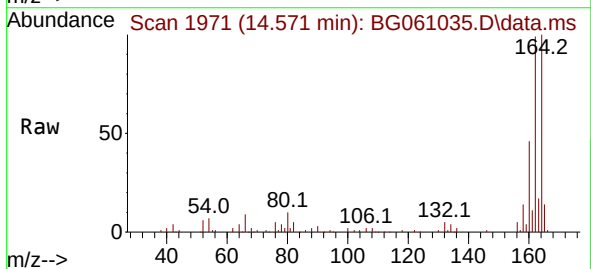
Instrument :
BNA_G
ClientSampleId :
SP-2-BACKDL

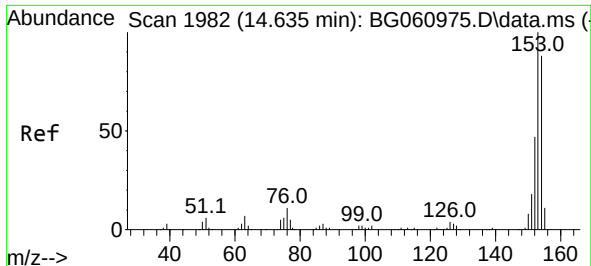
Tgt Ion:172 Resp: 173006
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 24.1 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 8.062 ng
RT: 14.571 min Scan# 1971
Delta R.T. 0.430 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:165 Resp: 12189
Ion Ratio Lower Upper
165 100
63 0.0 59.6 89.4#
89 0.0 49.4 74.0#

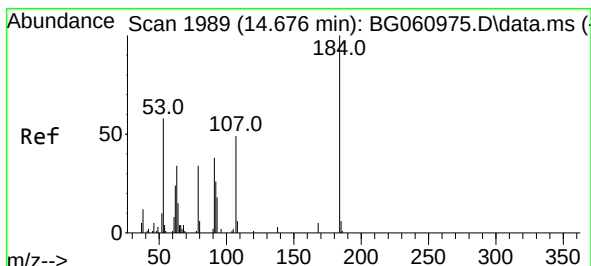
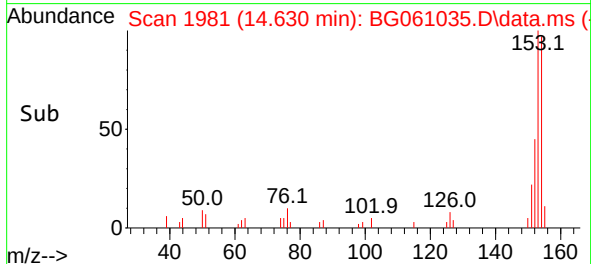
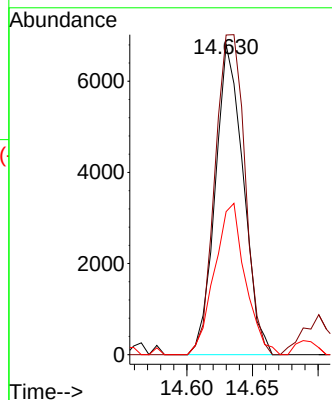
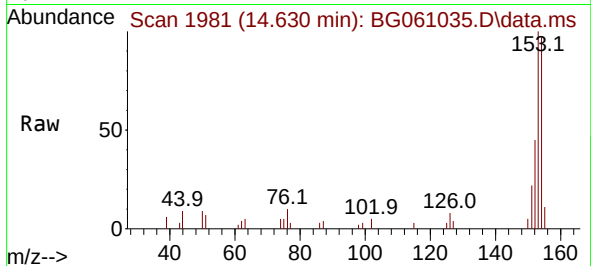




#52
Acenaphthene
Concen: 2.180 ng
RT: 14.630 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

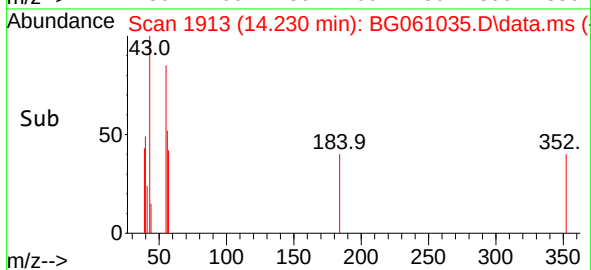
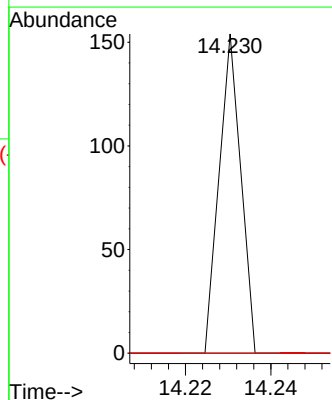
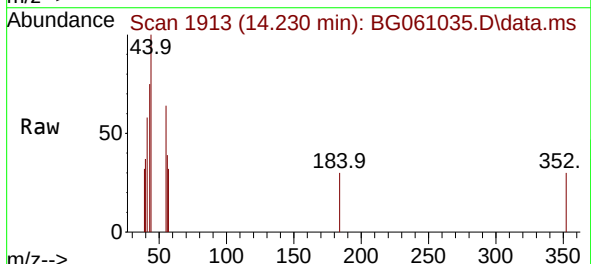
Instrument :
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ClientSampleId :
SP-2-BACKDL

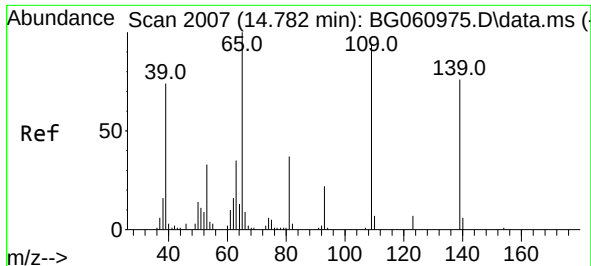
Tgt Ion:154 Resp: 10123
Ion Ratio Lower Upper
154 100
153 103.1 91.2 136.8
152 46.1 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 5.616 ng
RT: 14.230 min Scan# 1913
Delta R.T. -0.446 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 59.0 88.6#
154 0.0 61.2 91.8#

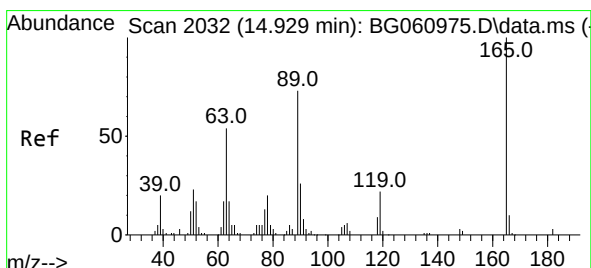
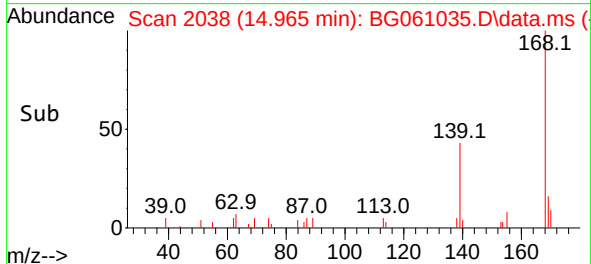
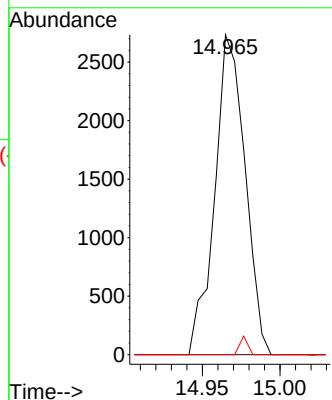
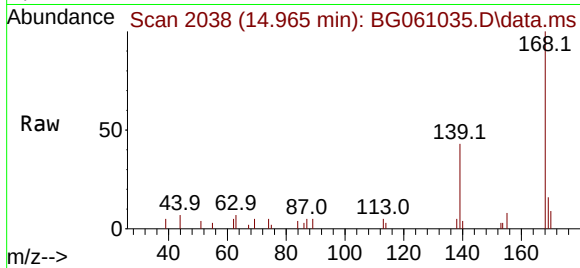




#56
4-Nitrophenol
Concen: 3.491 ng
RT: 14.965 min Scan# 20
Delta R.T. 0.183 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

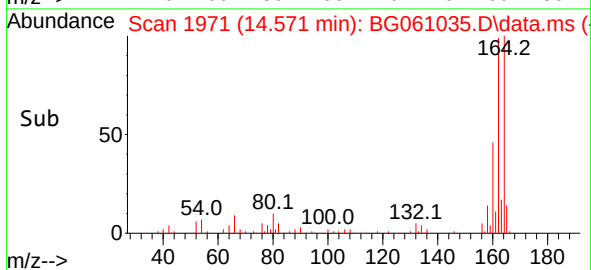
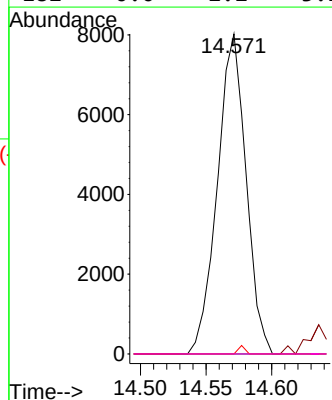
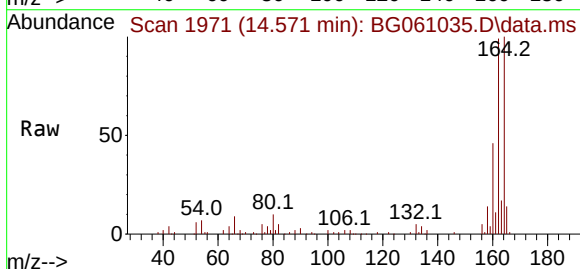
Instrument :
BNA_G
ClientSampleId :
SP-2-BACKDL

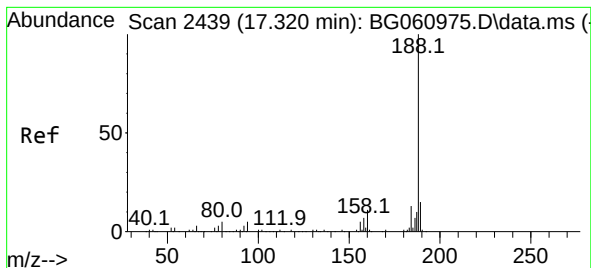
Tgt Ion:139 Resp: 3728
Ion Ratio Lower Upper
139 100
109 0.0 104.1 144.1#
65 0.0 112.0 152.0#



#57
2,4-Dinitrotoluene
Concen: 5.598 ng
RT: 14.571 min Scan# 1971
Delta R.T. -0.358 min
Lab File: BG061035.D
Acq: 25 Apr 2024 13:03

Tgt Ion:165 Resp: 12189
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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2439

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

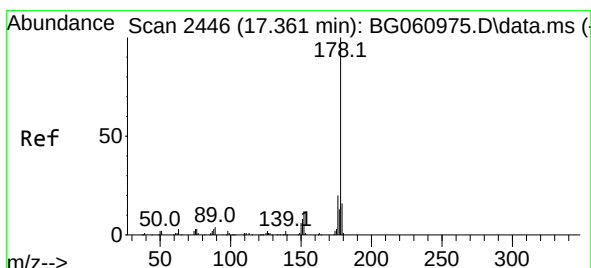
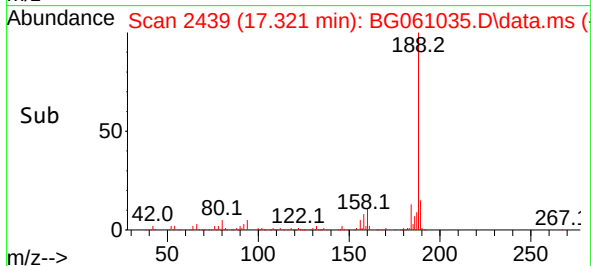
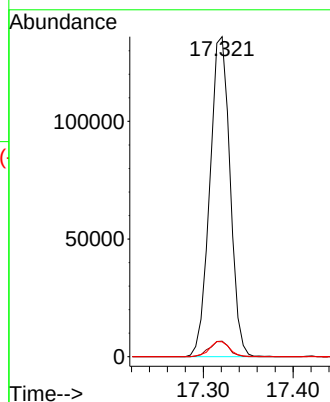
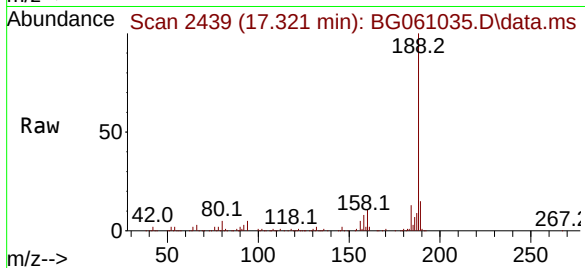
Tgt Ion:188 Resp: 212323

Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

80 4.6 4.0 6.0



#71

Phenanthrene

Concen: 26.319 ng

RT: 17.362 min Scan# 2446

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

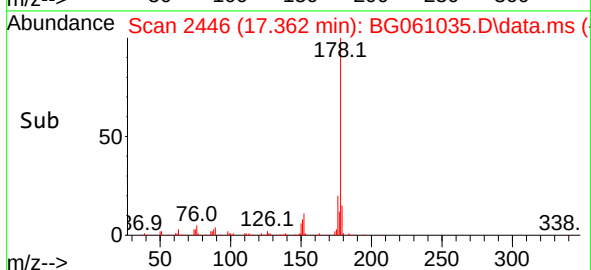
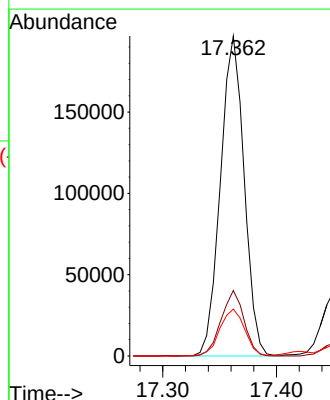
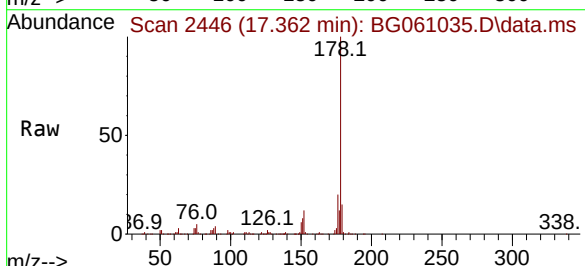
Tgt Ion:178 Resp: 285237

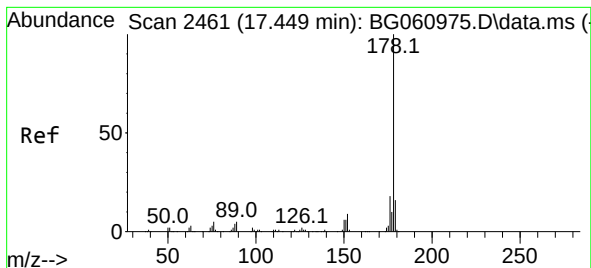
Ion Ratio Lower Upper

178 100

176 20.4 16.0 24.0

179 14.6 12.5 18.7





#72

Anthracene

Concen: 5.240 ng

RT: 17.450 min Scan# 2461

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

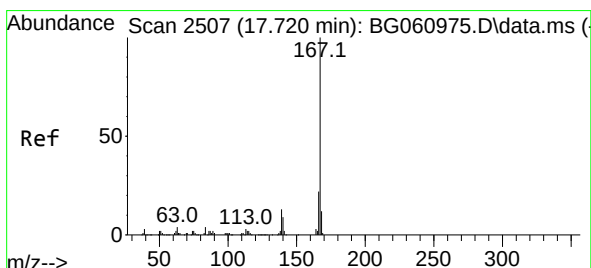
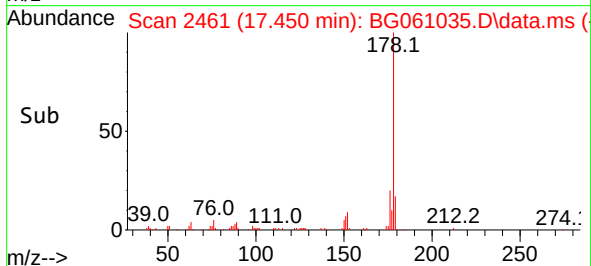
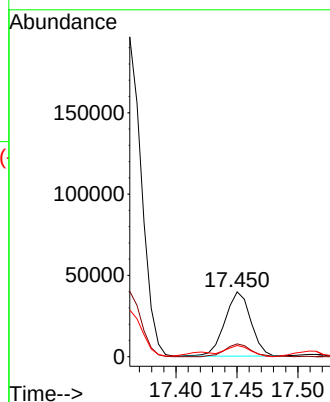
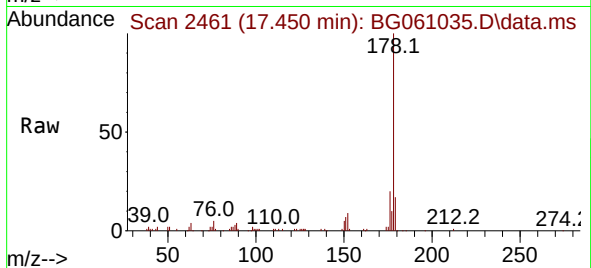
Tgt Ion:178 Resp: 58493

Ion Ratio Lower Upper

178 100

176 19.8 14.7 22.1

179 17.2 12.4 18.6



#73

Carbazole

Concen: 3.555 ng

RT: 17.720 min Scan# 2507

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

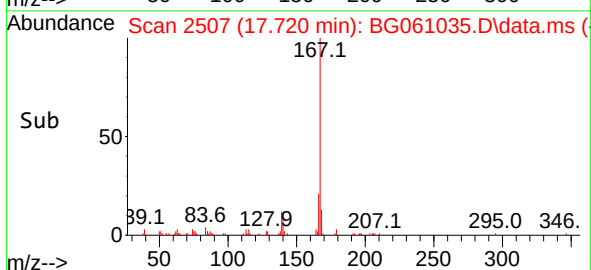
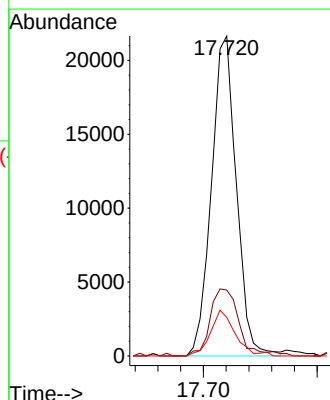
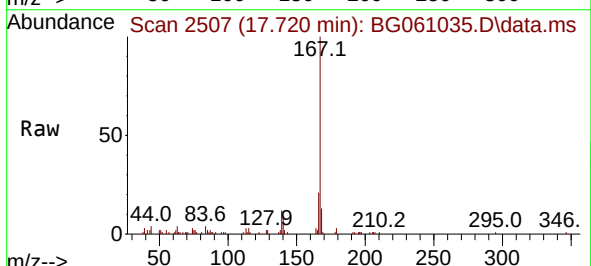
Tgt Ion:167 Resp: 32955

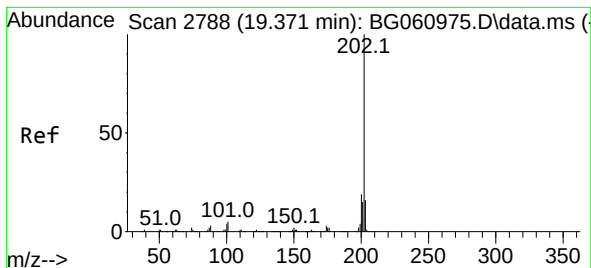
Ion Ratio Lower Upper

167 100

166 20.6 17.8 26.8

139 12.0 10.2 15.2





#75

Fluoranthene

Concen: 45.863 ng

RT: 19.377 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

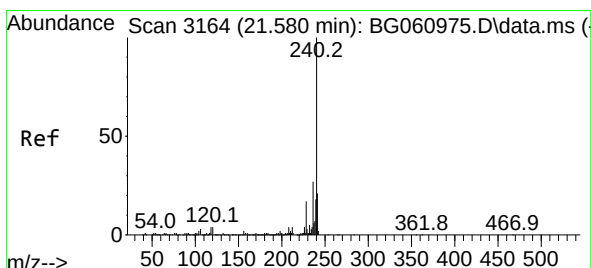
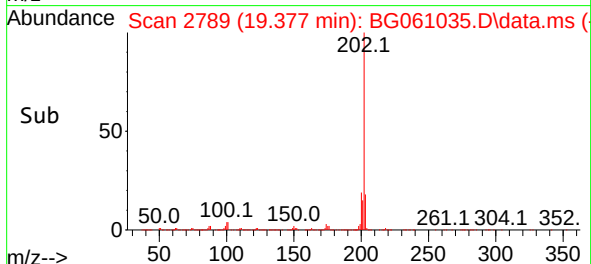
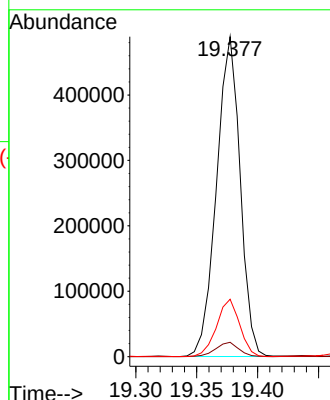
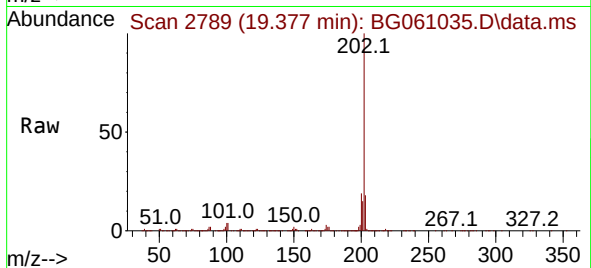
Tgt Ion:202 Resp: 659648

Ion Ratio Lower Upper

202 100

101 4.5 0.0 24.9

203 18.0 0.0 36.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.581 min Scan# 3164

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

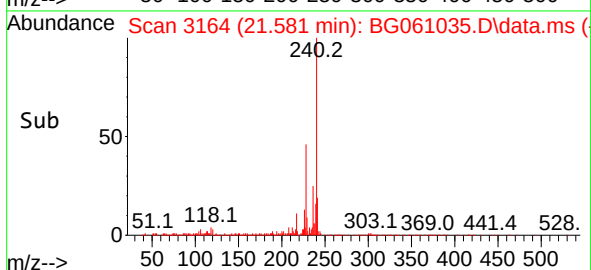
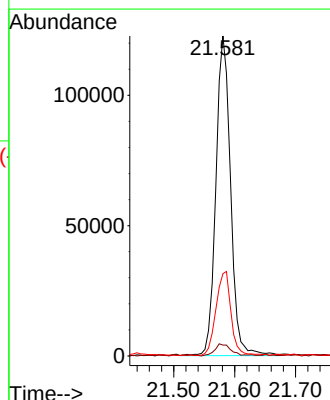
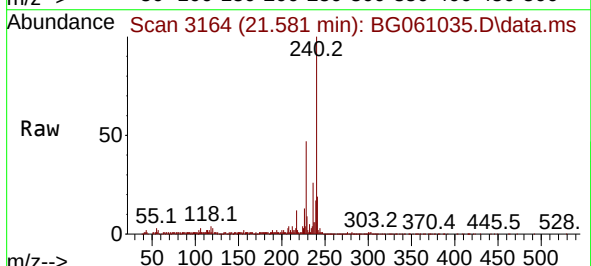
Tgt Ion:240 Resp: 205031

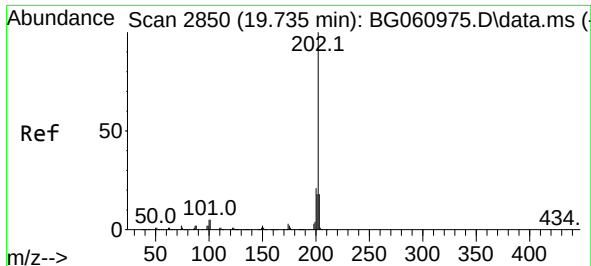
Ion Ratio Lower Upper

240 100

120 3.4 3.0 4.6

236 25.7 21.8 32.6



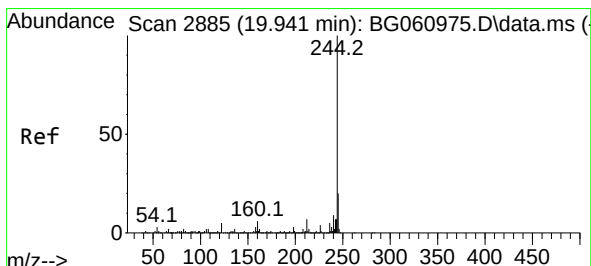
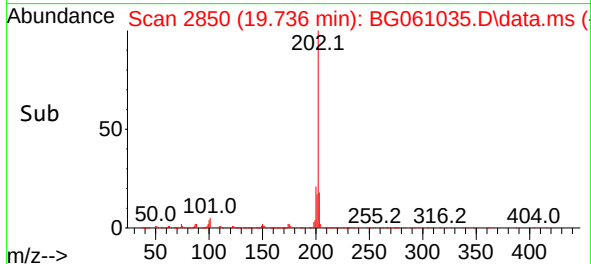
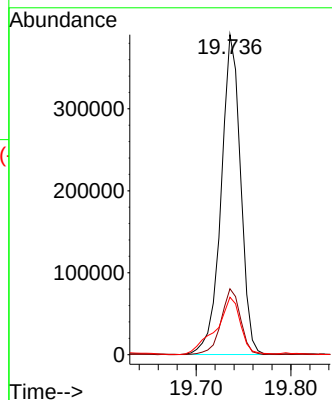
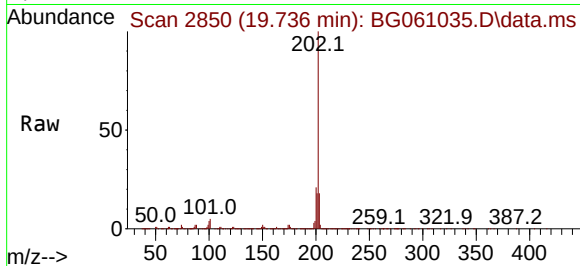


#78
 Pyrene
 Concen: 39.878 ng
 RT: 19.736 min Scan# 2850
 Delta R.T. 0.001 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-BACKDL

Tgt Ion:202 Resp: 556709

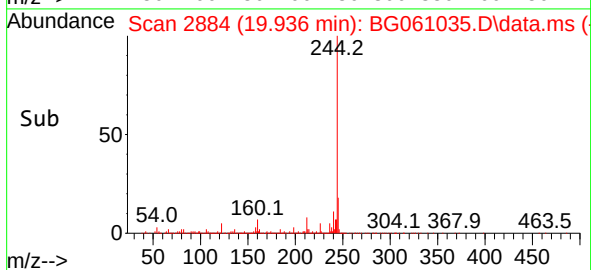
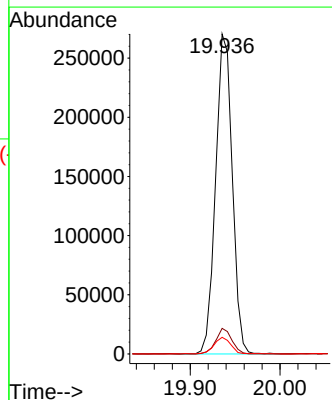
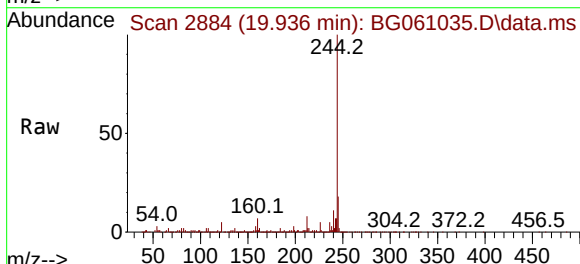
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.8	25.2
203	18.0	14.2	21.2

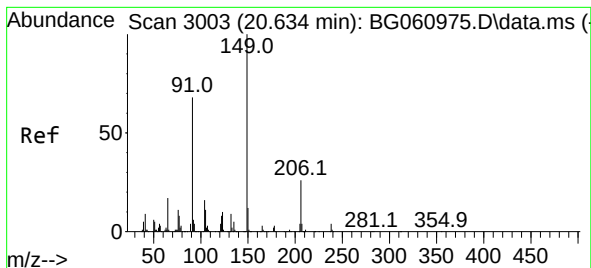


#79
 Terphenyl-d14
 Concen: 26.346 ng
 RT: 19.936 min Scan# 2884
 Delta R.T. -0.005 min
 Lab File: BG061035.D
 Acq: 25 Apr 2024 13:03

Tgt Ion:244 Resp: 347999

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.9	8.9
122	5.2	4.2	6.2





#80

Butylbenzylphthalate

Concen: 2.142 ng

RT: 20.629 min Scan# 3003

Delta R.T. -0.005 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

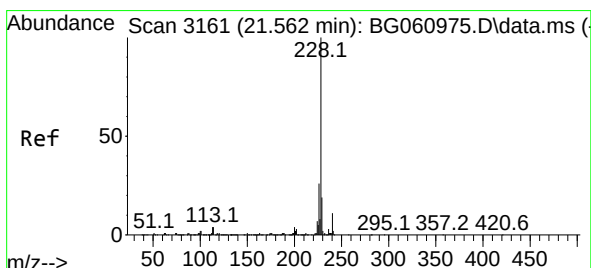
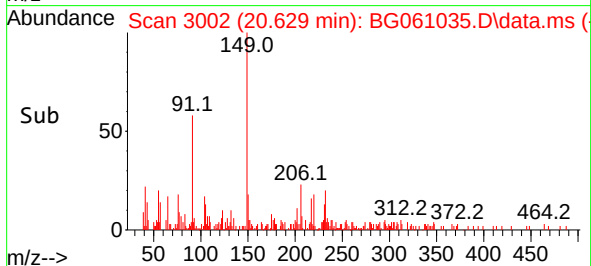
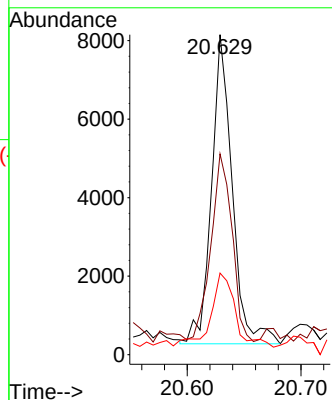
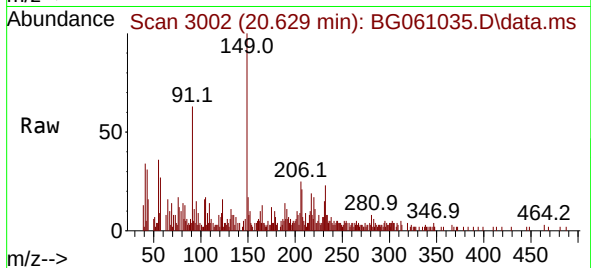
Tgt Ion:149 Resp: 9968

Ion Ratio Lower Upper

149 100

91 62.8 54.4 81.6

206 25.5 20.8 31.2



#81

Benzo(a)anthracene

Concen: 23.826 ng

RT: 21.563 min Scan# 3161

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

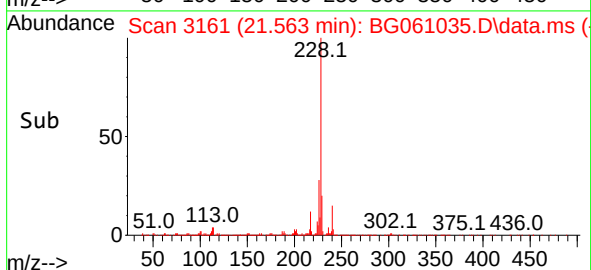
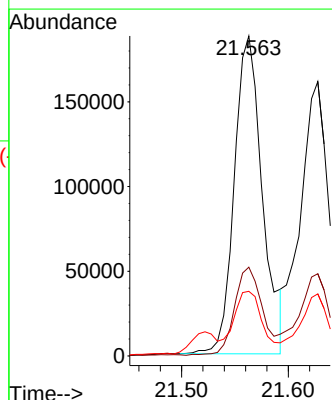
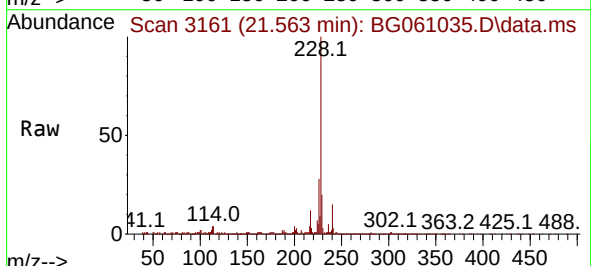
Tgt Ion:228 Resp: 343445

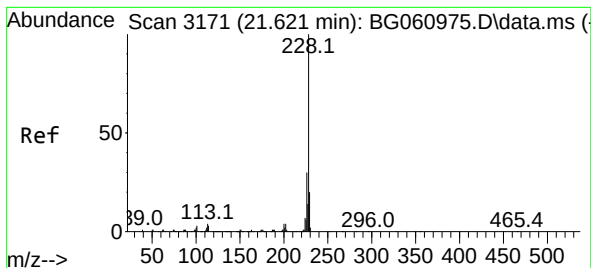
Ion Ratio Lower Upper

228 100

226 27.8 21.0 31.4

229 20.2 15.0 22.4





#83

Chrysene

Concen: 22.040 ng

RT: 21.628 min Scan# 3171

Delta R.T. 0.007 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

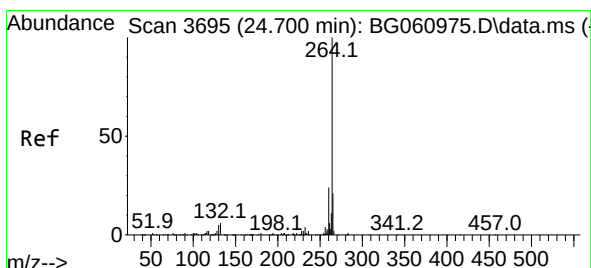
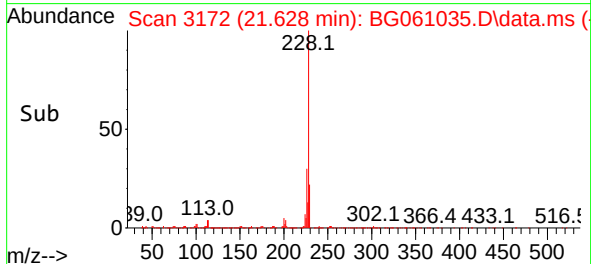
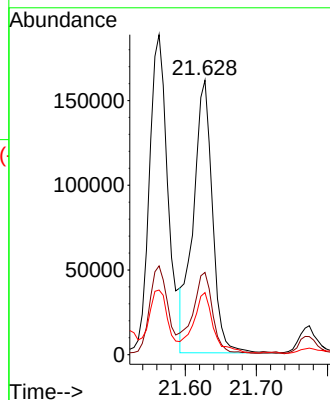
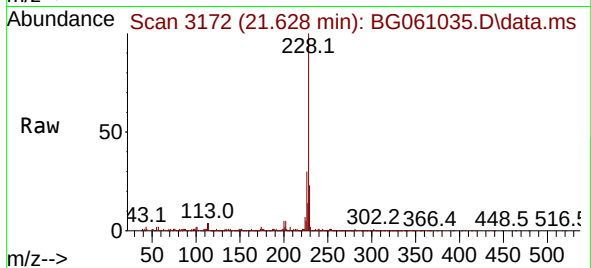
Tgt Ion:228 Resp: 302479

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

229 22.6 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.712 min Scan# 3697

Delta R.T. 0.013 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

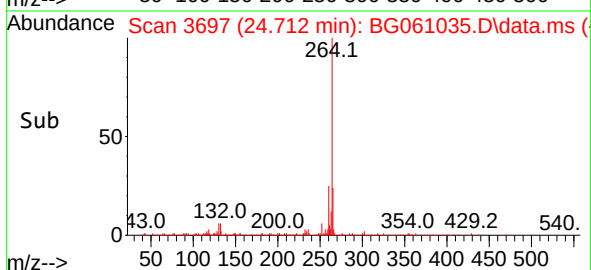
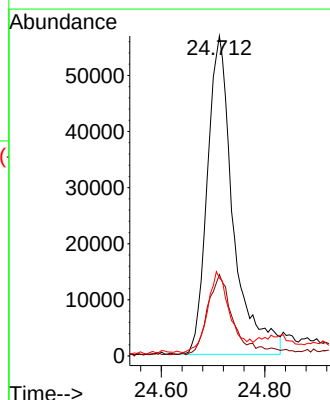
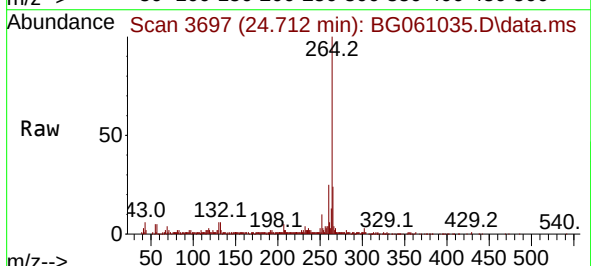
Tgt Ion:264 Resp: 197174

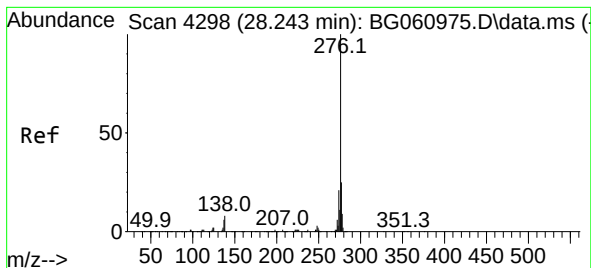
Ion Ratio Lower Upper

264 100

260 25.5 19.4 29.2

265 24.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.091 ng

RT: 28.255 min Scan# 41

Delta R.T. 0.013 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

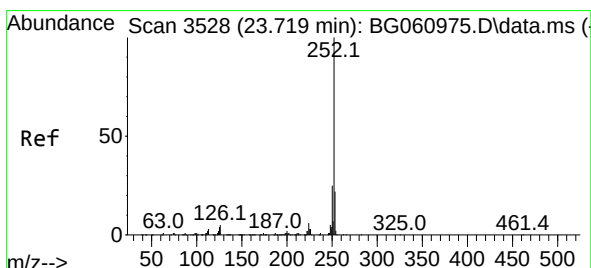
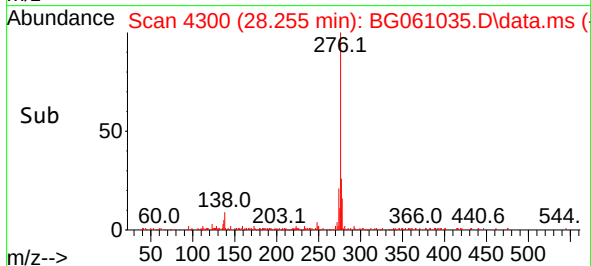
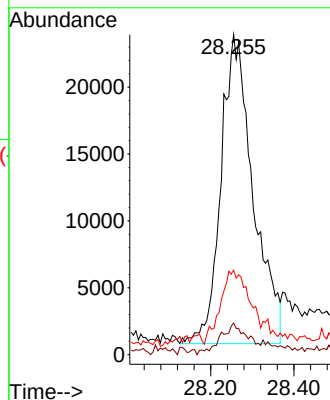
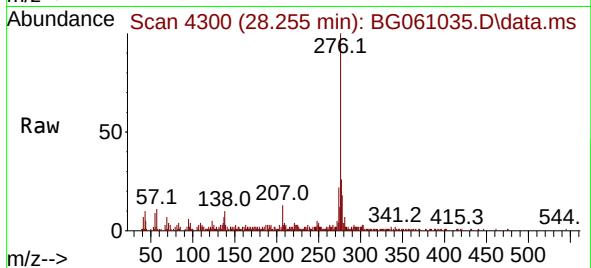
Tgt Ion:276 Resp: 124349

Ion Ratio Lower Upper

276 100

138 8.7 5.3 7.9#

277 21.5 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 31.031 ng

RT: 23.731 min Scan# 3530

Delta R.T. 0.013 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

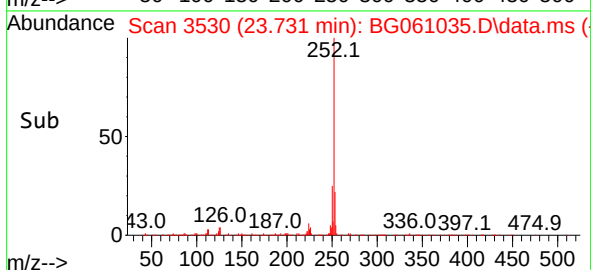
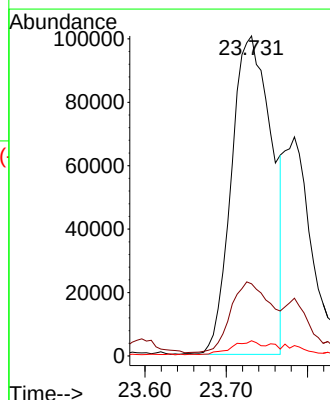
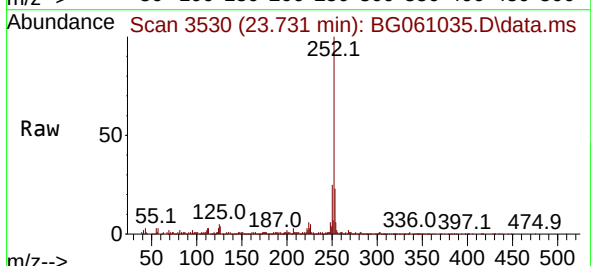
Tgt Ion:252 Resp: 346729

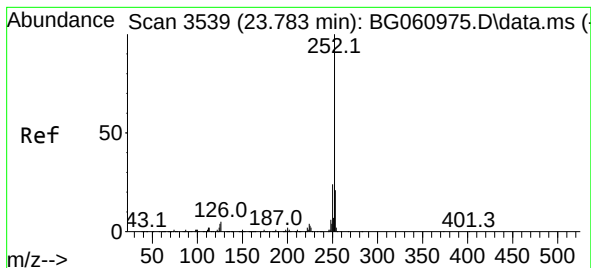
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 4.8 3.3 4.9





#89

Benzo(k)fluoranthene

Concen: 30.739 ng

RT: 23.731 min Scan# 3

Delta R.T. -0.052 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

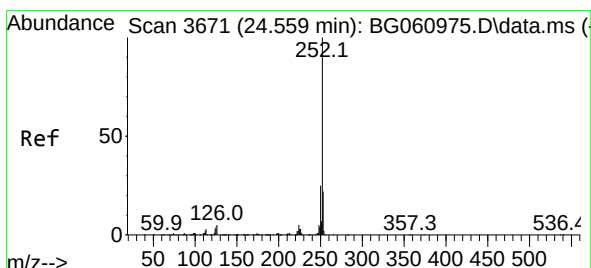
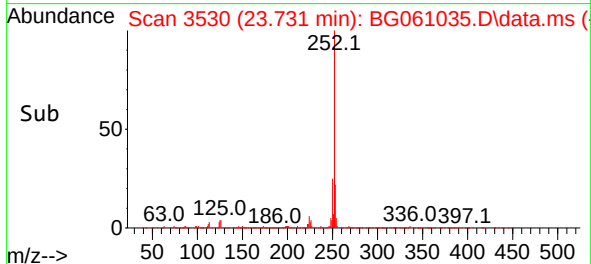
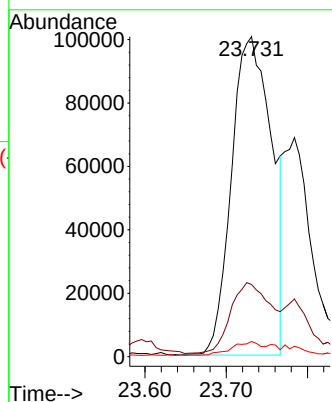
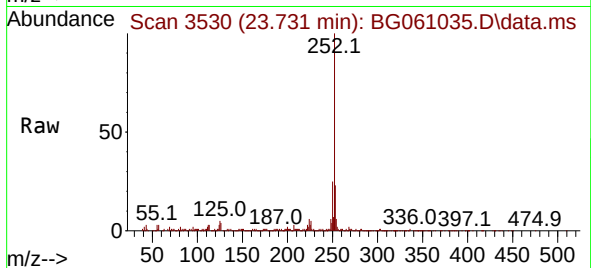
Tgt Ion:252 Resp: 346729

Ion Ratio Lower Upper

252 100

253 22.6 16.6 25.0

125 4.8 3.3 4.9



#90

Benzo(a)pyrene

Concen: 23.170 ng

RT: 24.560 min Scan# 3671

Delta R.T. 0.001 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

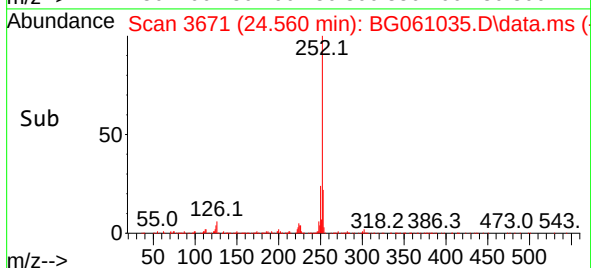
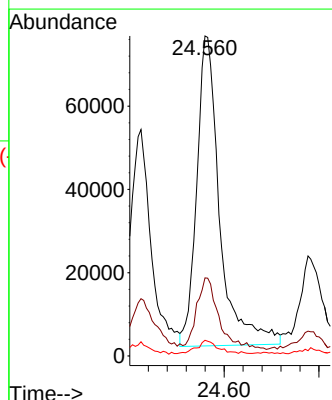
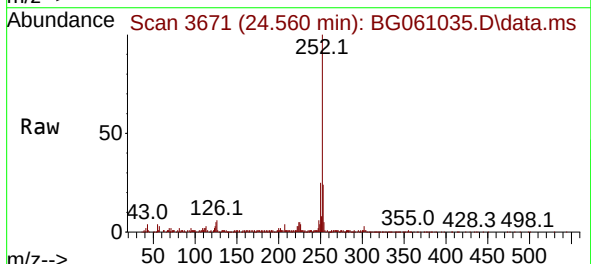
Tgt Ion:252 Resp: 250593

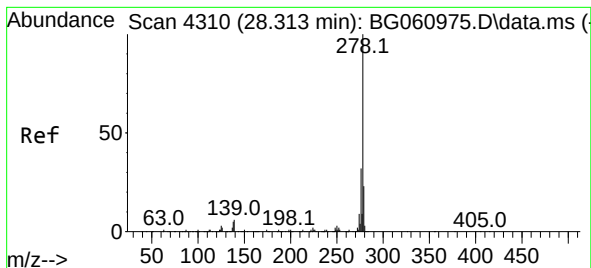
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 4.9 3.6 5.4





#91

Dibenzo(a,h)anthracene

Concen: 2.866 ng

RT: 28.290 min Scan# 41

Delta R.T. -0.023 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Instrument :

BNA_G

ClientSampleId :

SP-2-BACKDL

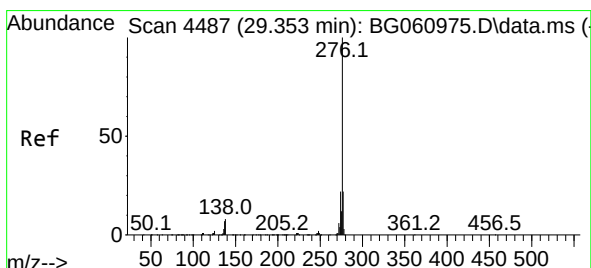
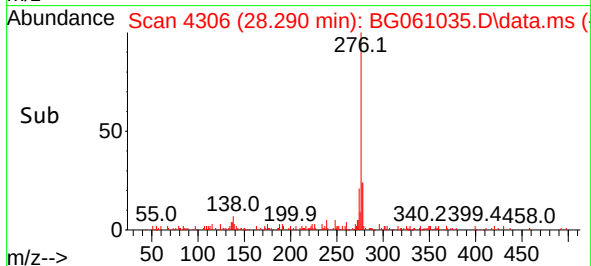
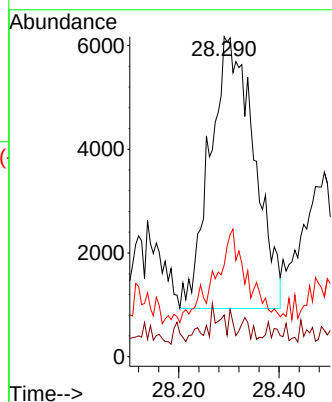
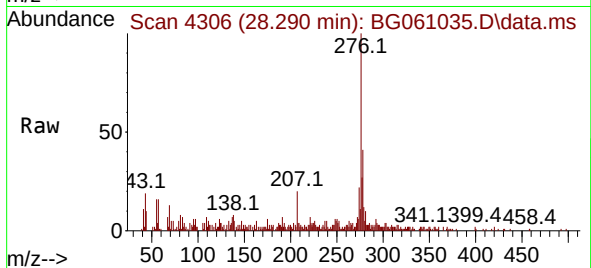
Tgt Ion:278 Resp: 32032

Ion Ratio Lower Upper

278 100

139 13.0 4.7 7.1#

279 28.7 18.2 27.4#



#92

Benzo(g,h,i)perylene

Concen: 9.429 ng

RT: 29.372 min Scan# 4490

Delta R.T. 0.018 min

Lab File: BG061035.D

Acq: 25 Apr 2024 13:03

Tgt Ion:276 Resp: 104474

Ion Ratio Lower Upper

276 100

277 23.9 18.0 27.0

138 8.5 6.5 9.7

