

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061074.D
 Acq On : 1 May 2024 13:19
 Operator : MA/JU
 Sample : P2307-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 01 14:04:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

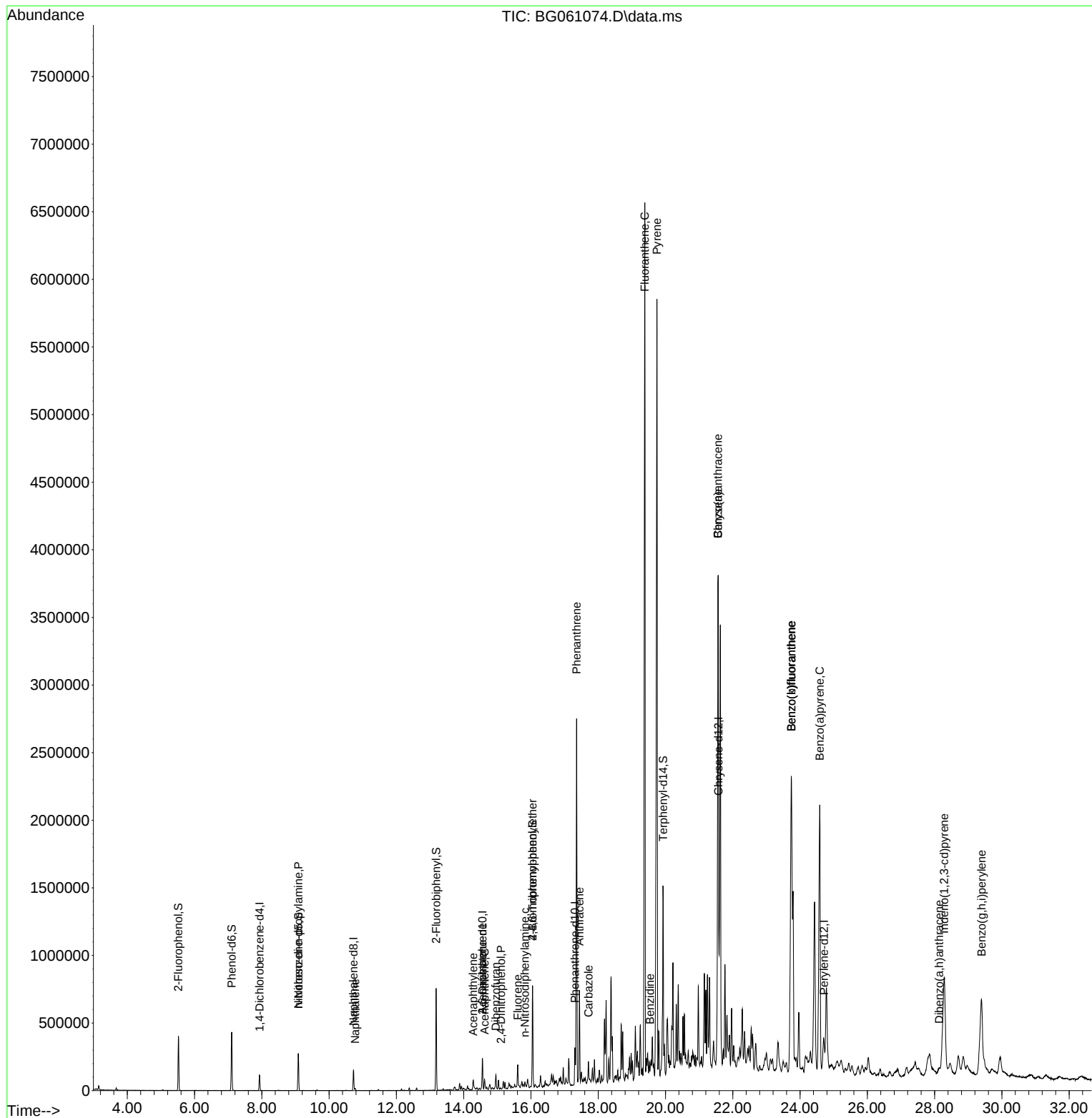
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	30317	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	115615	20.000	ng	-0.03
39) Acenaphthene-d10	14.557	164	82706	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	188519	20.000	ng	-0.03
76) Chrysene-d12	21.578	240	202795	20.000	ng	-0.01
86) Perylene-d12	24.709	264	245230	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	140367	94.162	ng	-0.03
7) Phenol-d6	7.106	99	193077	87.554	ng	-0.03
23) Nitrobenzene-d5	9.087	82	140113	60.076	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	149481	90.422	ng	-0.03
45) 2-Fluorobiphenyl	13.182	172	378574	67.686	ng	-0.03
79) Terphenyl-d14	19.927	244	683776	56.077	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.089	77	227	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.087	70	21504	13.030	ng	# 59
31) Naphthalene	10.779	128	12683	2.111	ng	97
49) Acenaphthylene	14.286	152	60342	9.252	ng	97
51) 2,6-Dinitrotoluene	14.557	165	12341	9.032	ng	# 18
52) Acenaphthene	14.621	154	27397	6.734	ng	83
54) 2,4-Dinitrophenol	15.109	184	68	2.276	ng	# 64
55) Dibenzofuran	14.956	168	33359	4.854	ng	# 91
58) Fluorene	15.608	166	72320	12.162	ng	94
66) n-Nitrosodiphenylamine	15.820	169	10896	2.331	ng	# 66
67) 4-Bromophenyl-phenylether	16.049	248	9684	4.361	ng	# 1
71) Phenanthrene	17.359	178	1684335	195.401	ng	99
72) Anthracene	17.441	178	439562	51.105	ng	99
73) Carbazole	17.712	167	96376	12.744	ng	96
75) Fluoranthene	19.386	202	4599329	389.476	ng	82
77) Benzidine	19.545	184	1044	3.050	ng	# 41
78) Pyrene	19.745	202	4404774	341.643	ng	# 83
81) Benzo(a)anthracene	21.560	228	2651894	199.835	ng	93
83) Chrysene	21.560	228	2651894	213.294	ng	97
87) Indeno(1,2,3-cd)pyrene	28.282	276	1630800	100.346	ng	93
88) Benzo(b)fluoranthene	23.740	252	3176179	231.778	ng	99
89) Benzo(k)fluoranthene	23.740	252	3176179	240.924	ng	97
90) Benzo(a)pyrene	24.586	252	2419509	202.661	ng	98
91) Dibenzo(a,h)anthracene	28.135	278	75485	5.609	ng	99
92) Benzo(g,h,i)perylene	29.398	276	1619783	121.108	ng	100

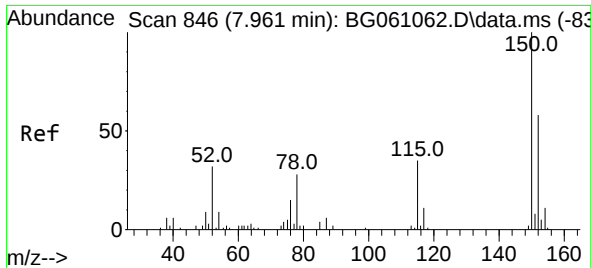
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

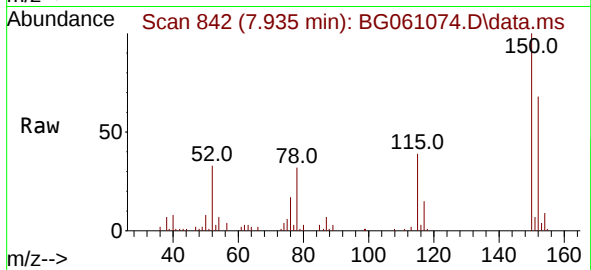
Quant Time: May 01 14:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



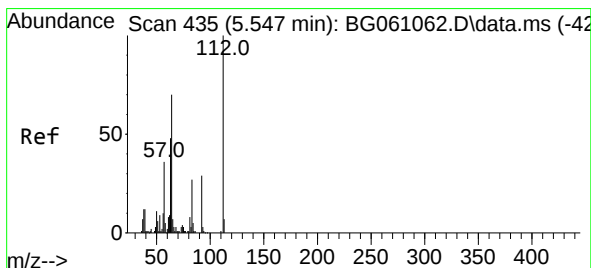
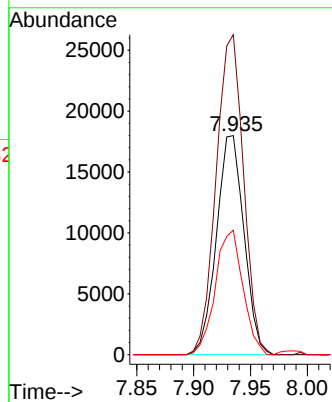
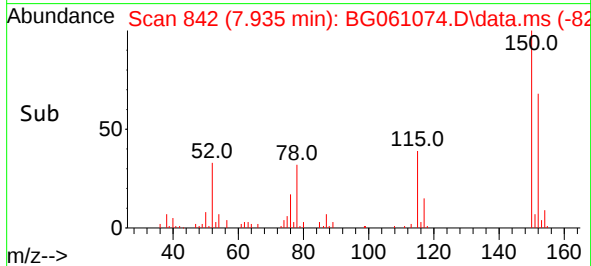


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Instrument :
BNA_G
ClientSampleId :

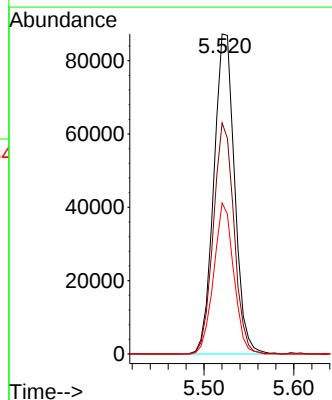
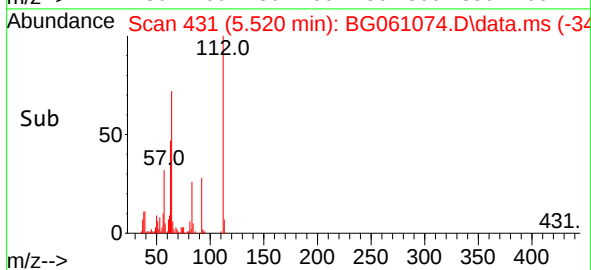
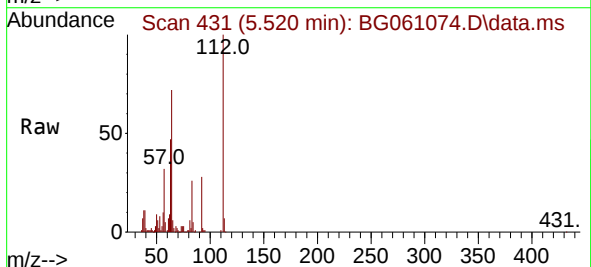


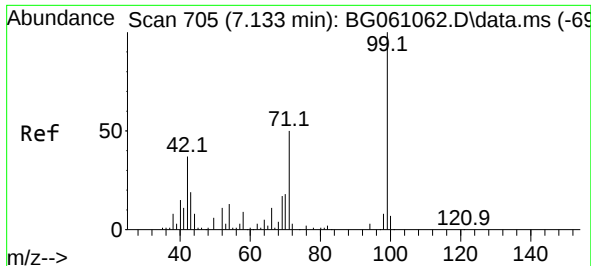
Tgt Ion:152 Resp: 30317
Ion Ratio Lower Upper
152 100
150 146.1 138.3 207.5
115 56.8 48.0 72.0



#5
2-Fluorophenol
Concen: 94.162 ng
RT: 5.520 min Scan# 431
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:112 Resp: 140367
Ion Ratio Lower Upper
112 100
64 72.2 55.7 83.5
63 47.2 38.1 57.1

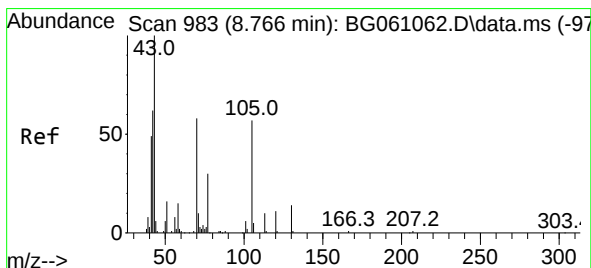
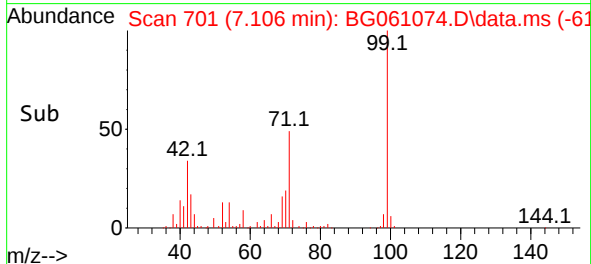
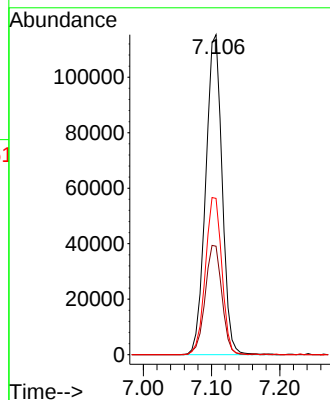
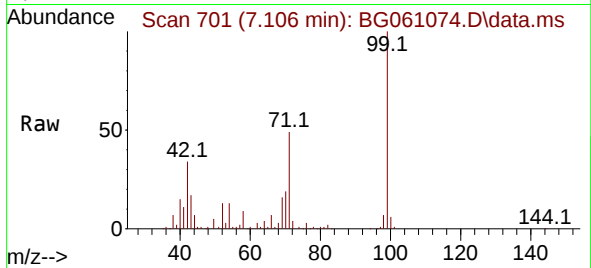




#7
Phenol-d6
Concen: 87.554 ng
RT: 7.106 min Scan# 70
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

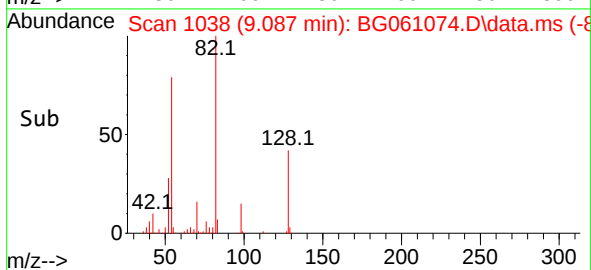
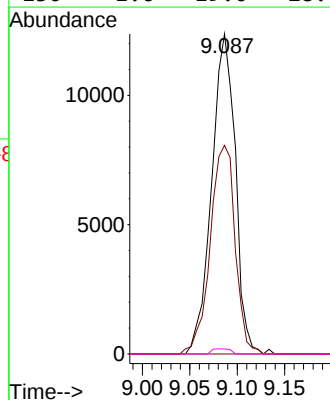
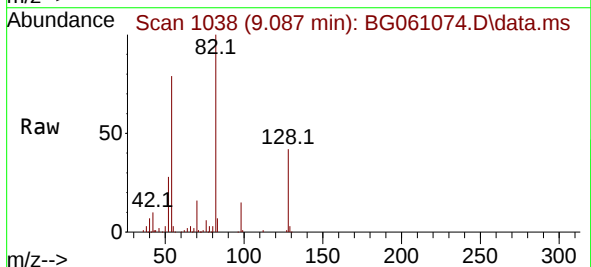
Instrument :
BNA_G
ClientSampleId :

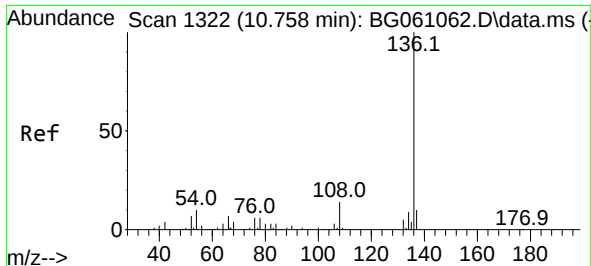
Tgt Ion: 99 Resp: 193077
Ion Ratio Lower Upper
99 100
42 33.9 29.2 43.8
71 48.8 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.030 ng
RT: 9.087 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion: 70 Resp: 21504
Ion Ratio Lower Upper
70 100
42 65.2 86.4 129.6#
101 0.0 7.8 11.8#
130 1.6 19.0 28.4#

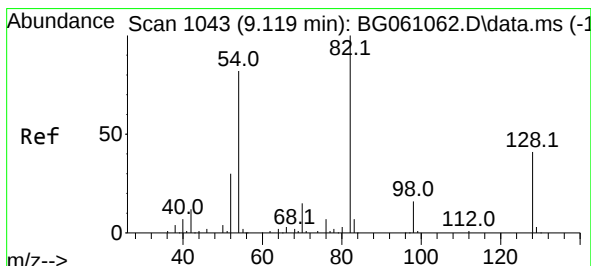
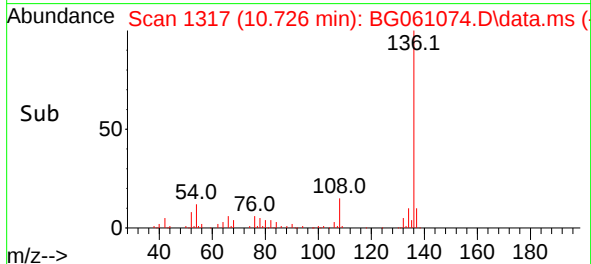
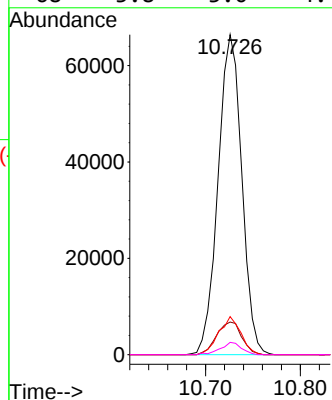
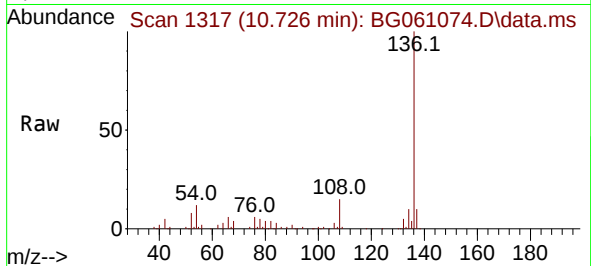




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

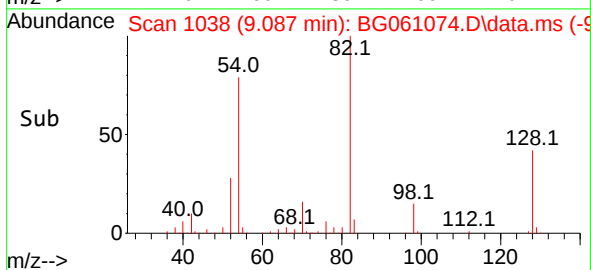
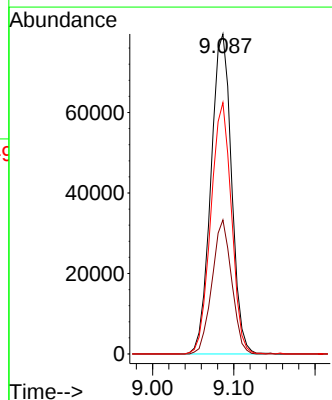
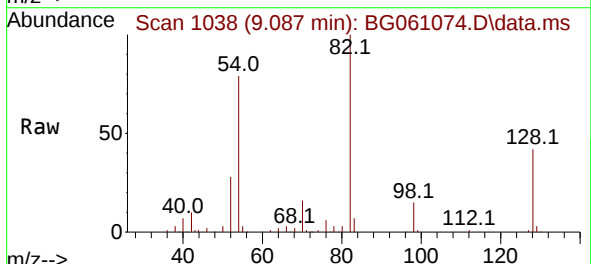
Instrument :
BNA_G
ClientSampleId :

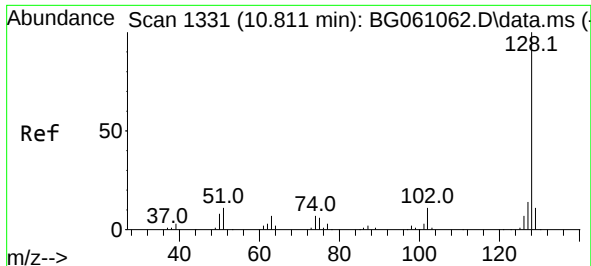
Tgt Ion:	136	Resp:	115615
Ion	Ratio	Lower	Upper
136	100		
137	10.2	7.8	11.6
54	11.9	8.1	12.1
68	3.8	3.0	4.4



#23
Nitrobenzene-d5
Concen: 60.076 ng
RT: 9.087 min Scan# 1038
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:	82	Resp:	140113
Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.7	49.1
54	78.6	65.6	98.4

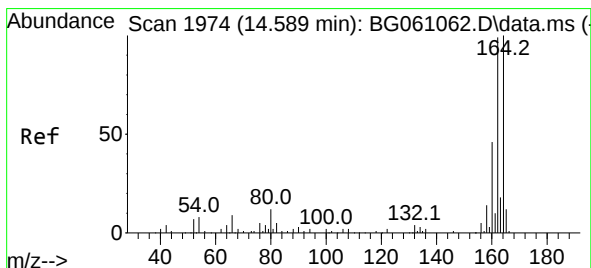
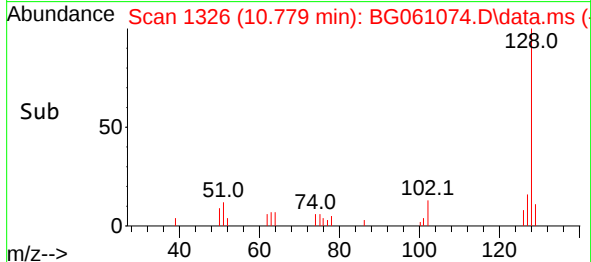
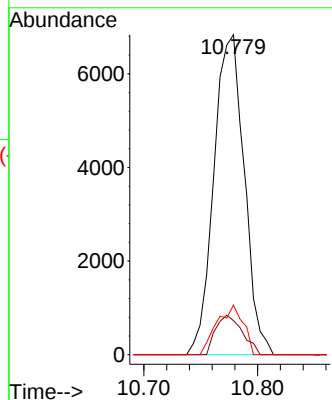
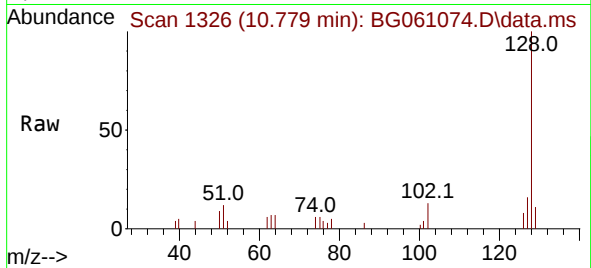




#31
Naphthalene
Concen: 2.111 ng
RT: 10.779 min Scan# 11
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

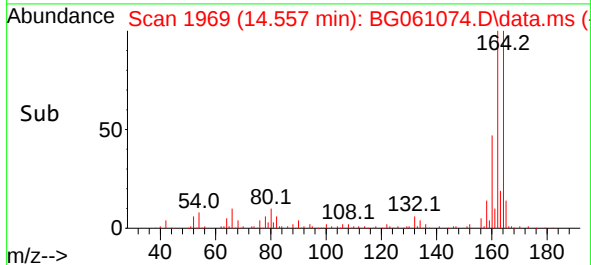
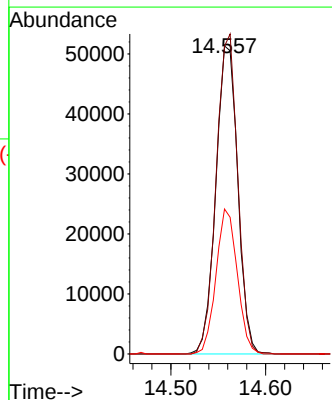
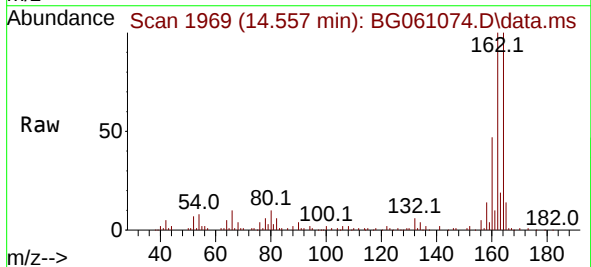
Instrument :
BNA_G
ClientSampleId :

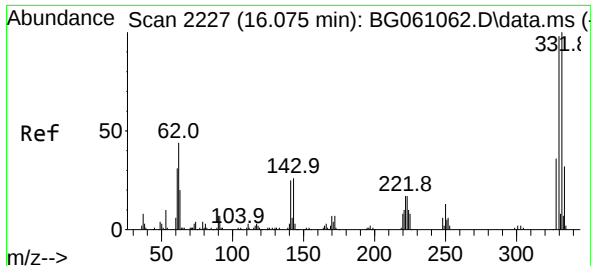
Tgt Ion:128 Resp: 12683
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 15.5 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

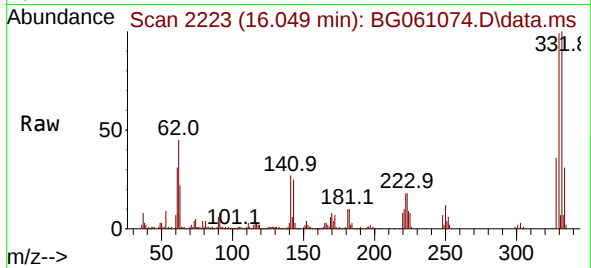
Tgt Ion:164 Resp: 82706
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.2
160 47.1 37.0 55.6



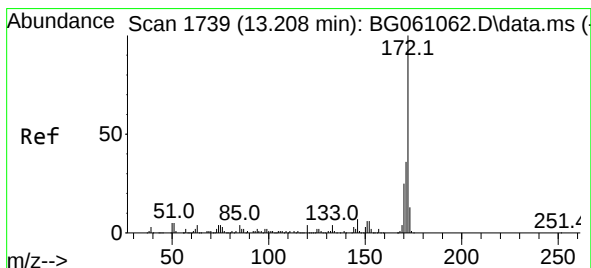
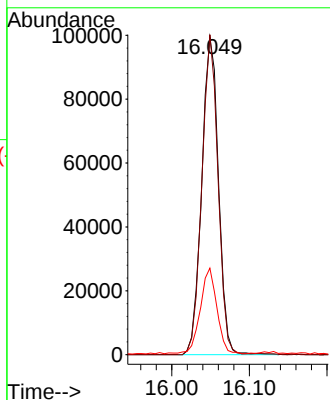
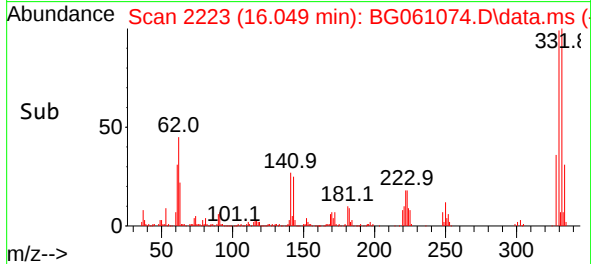


#42
2,4,6-Tribromophenol
Concen: 90.422 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Instrument :
BNA_G
ClientSampleId :

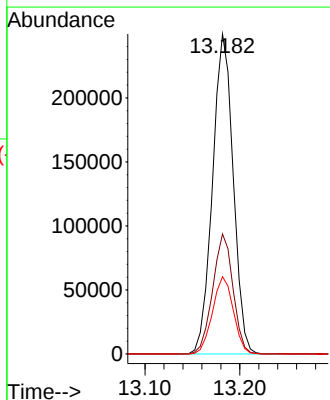
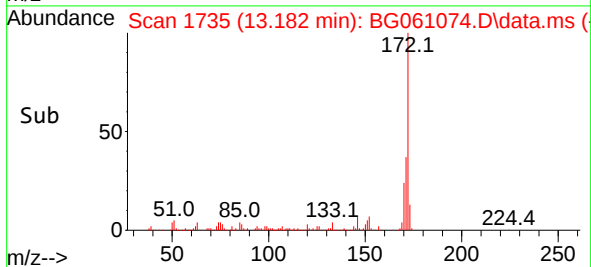
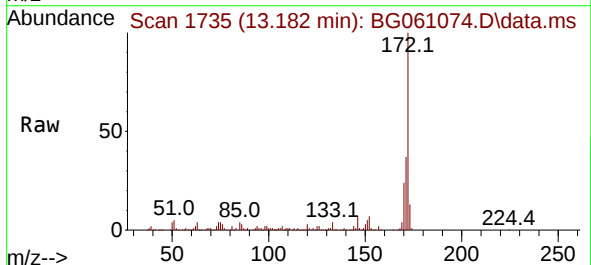


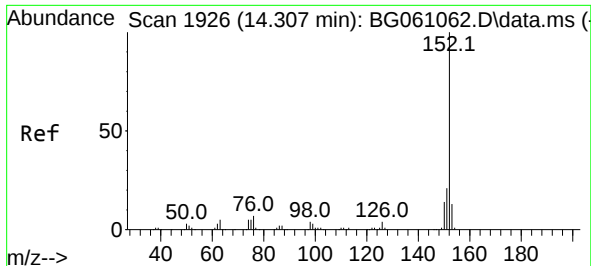
Tgt Ion:330 Resp: 149481
Ion Ratio Lower Upper
330 100
332 96.6 78.6 117.8
141 26.4 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 67.686 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:172 Resp: 378574
Ion Ratio Lower Upper
172 100
171 37.5 29.0 43.6
170 24.2 20.2 30.4





#49

Acenaphthylene

Concen: 9.252 ng

RT: 14.286 min Scan# 1923

Delta R.T. -0.021 min

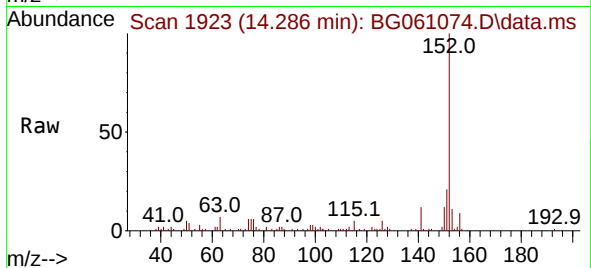
Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :



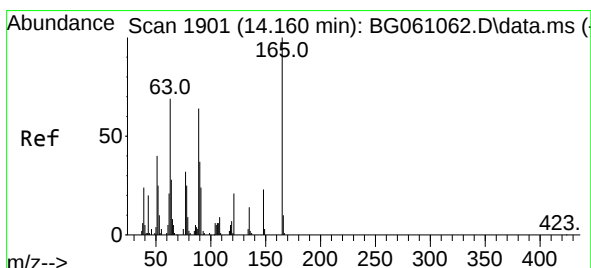
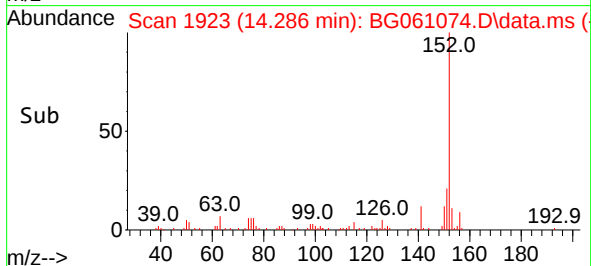
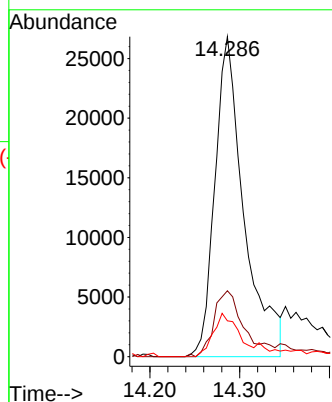
Tgt Ion:152 Resp: 60342

Ion Ratio Lower Upper

152 100

151 20.6 16.9 25.3

153 11.2 10.6 15.8



#51

2,6-Dinitrotoluene

Concen: 9.032 ng

RT: 14.557 min Scan# 1969

Delta R.T. 0.397 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

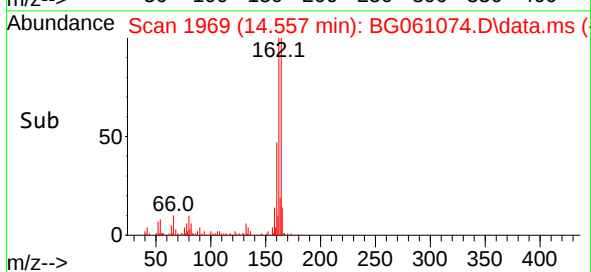
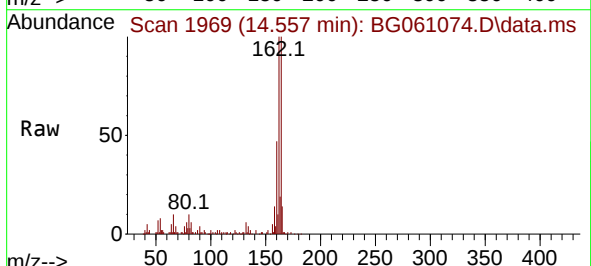
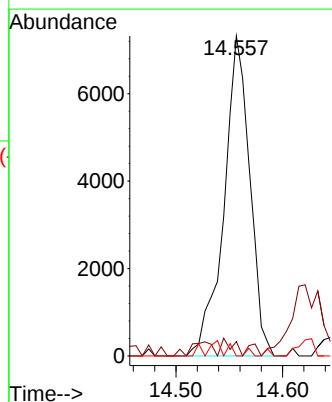
Tgt Ion:165 Resp: 12341

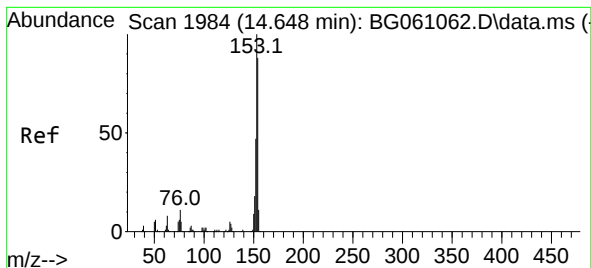
Ion Ratio Lower Upper

165 100

63 4.5 60.0 90.0#

89 0.0 50.9 76.3#





#52

Acenaphthene

Concen: 6.734 ng

RT: 14.621 min Scan# 1984

Delta R.T. -0.026 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

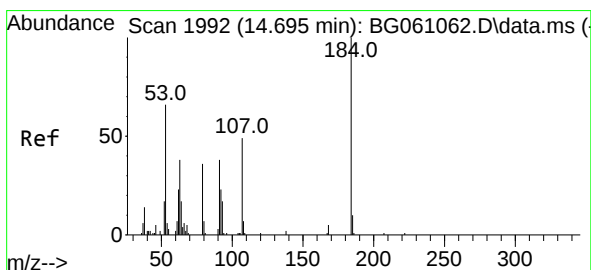
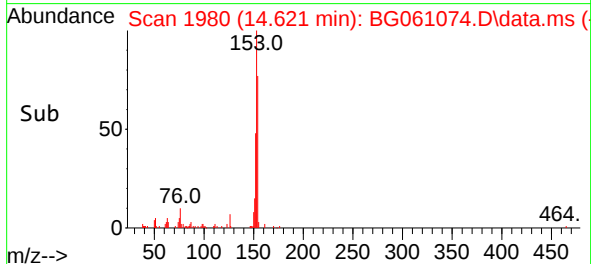
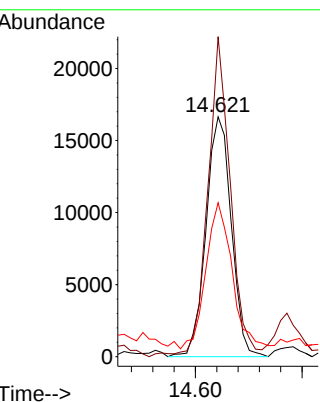
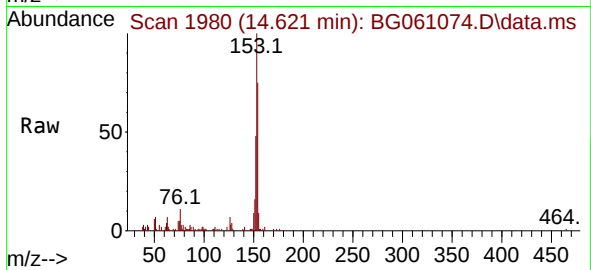
Tgt Ion:154 Resp: 27397

Ion Ratio Lower Upper

154 100

153 133.5 91.0 136.4

152 64.2 43.1 64.7



#54

2,4-Dinitrophenol

Concen: 2.276 ng

RT: 15.109 min Scan# 2063

Delta R.T. 0.414 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

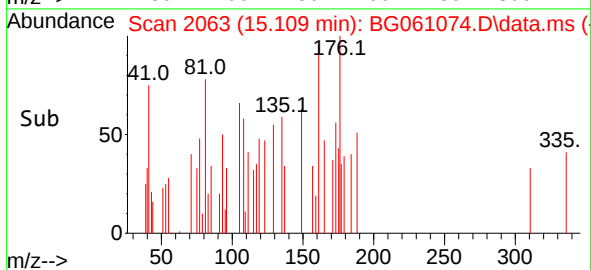
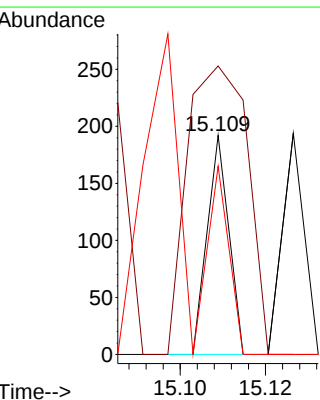
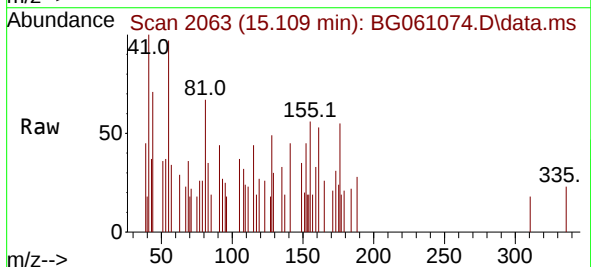
Tgt Ion:184 Resp: 68

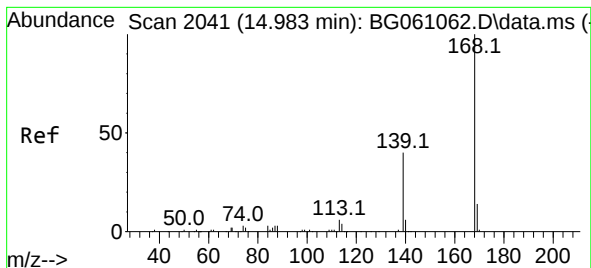
Ion Ratio Lower Upper

184 100

63 131.8 62.6 93.8#

154 85.9 61.4 92.0





#55

Dibenzenofuran

Concen: 4.854 ng

RT: 14.956 min Scan# 2041

Delta R.T. -0.026 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

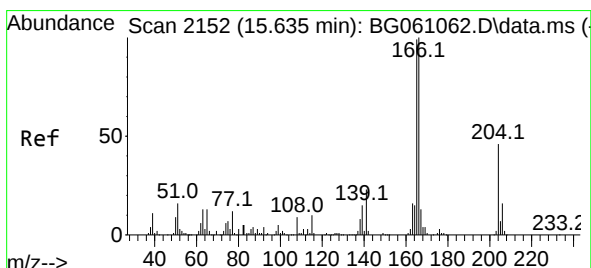
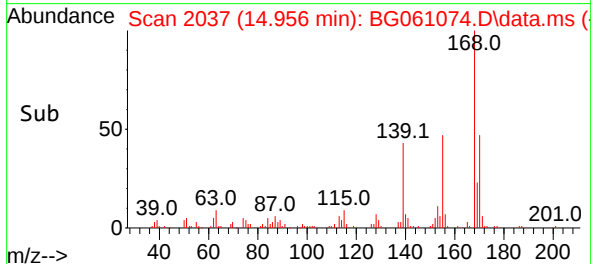
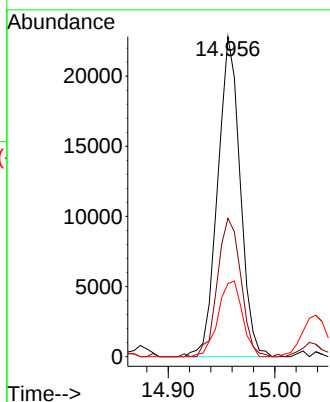
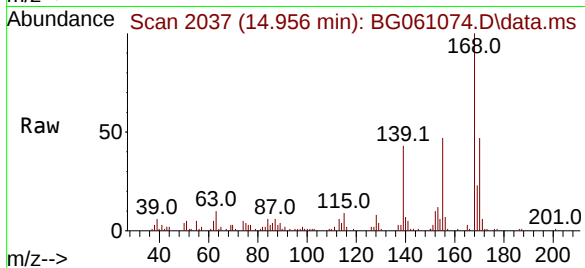
Tgt Ion:168 Resp: 33359

Ion Ratio Lower Upper

168 100

139 43.3 32.2 48.4

169 22.9 11.4 17.2#



#58

Fluorene

Concen: 12.162 ng

RT: 15.608 min Scan# 2148

Delta R.T. -0.026 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

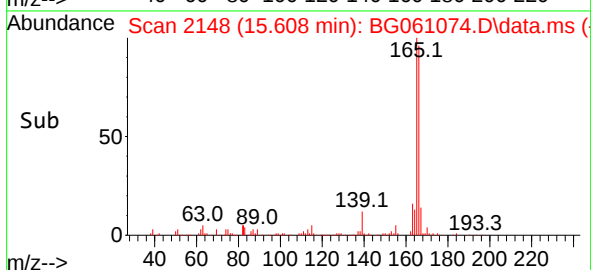
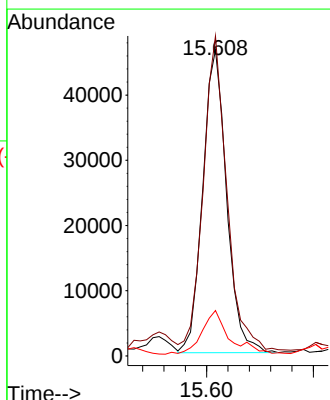
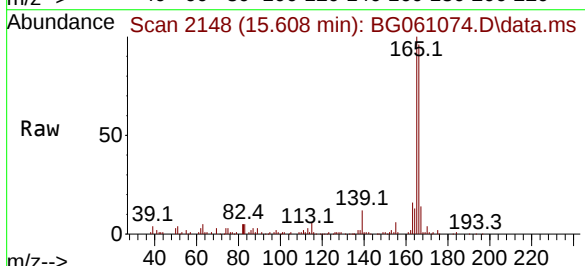
Tgt Ion:166 Resp: 72320

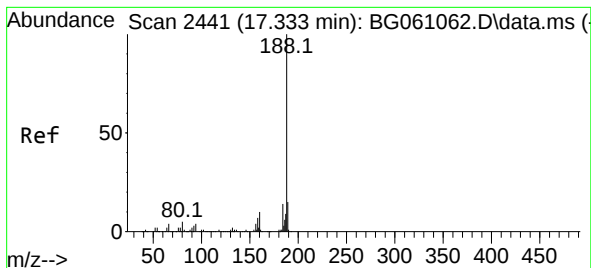
Ion Ratio Lower Upper

166 100

165 104.6 78.9 118.3

167 14.9 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2441

Delta R.T. -0.026 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

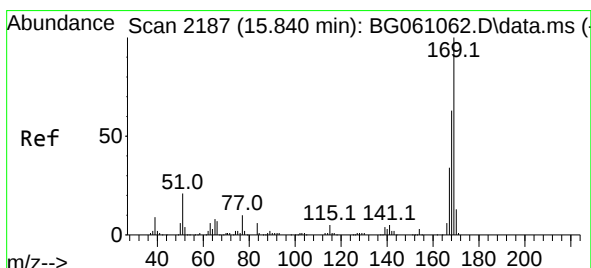
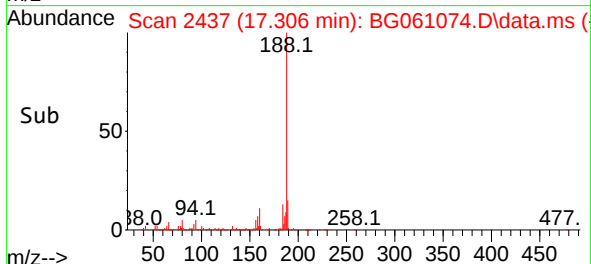
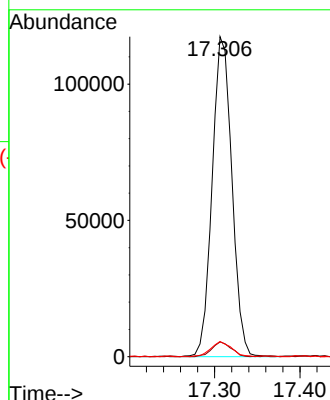
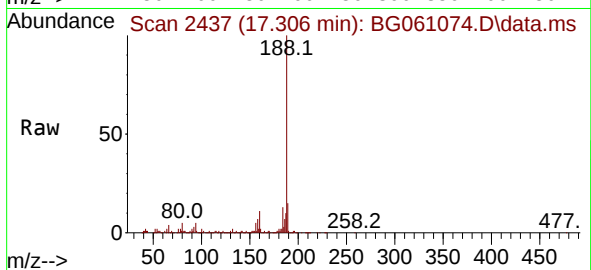
Tgt Ion:188 Resp: 188519

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

80 4.8 4.2 6.2



#66

n-Nitrosodiphenylamine

Concen: 2.331 ng

RT: 15.820 min Scan# 2184

Delta R.T. -0.021 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

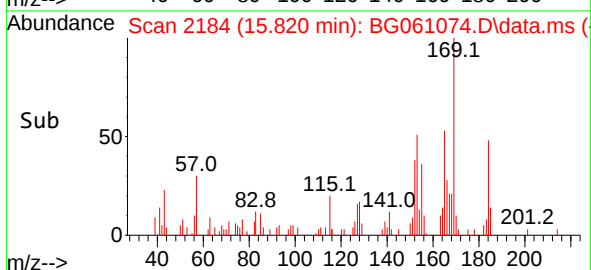
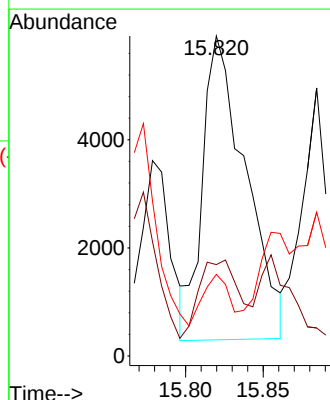
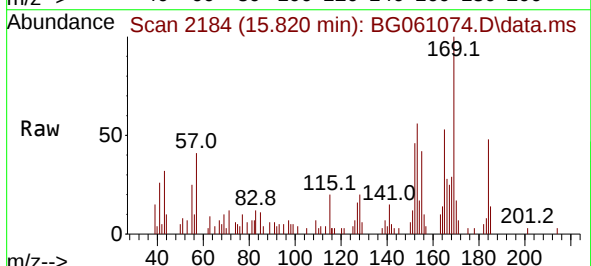
Tgt Ion:169 Resp: 10896

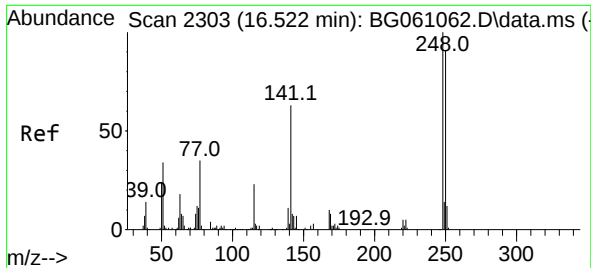
Ion Ratio Lower Upper

169 100

168 28.5 50.6 75.8#

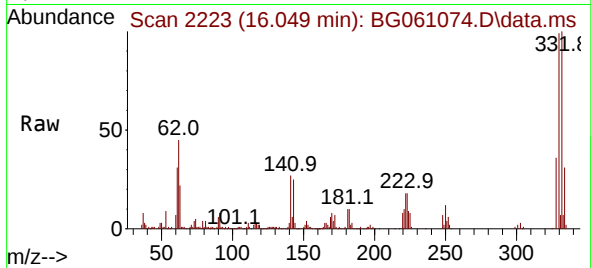
167 25.5 27.4 41.2#



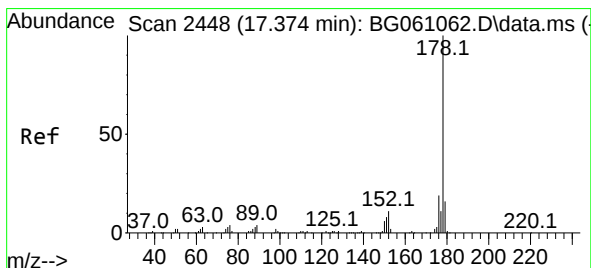
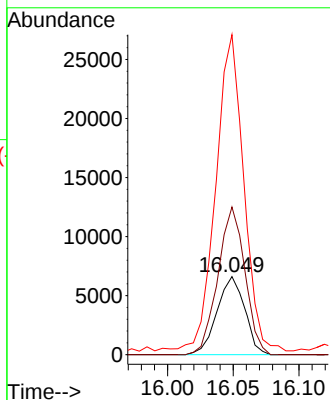
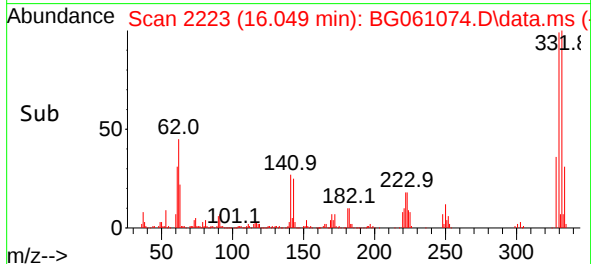


#67
4-Bromophenyl-phenylether
Concen: 4.361 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.473 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

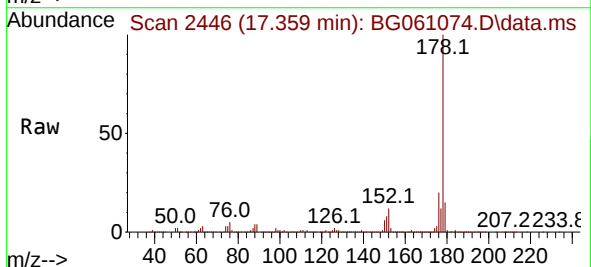
Instrument :
BNA_G
ClientSampleId :



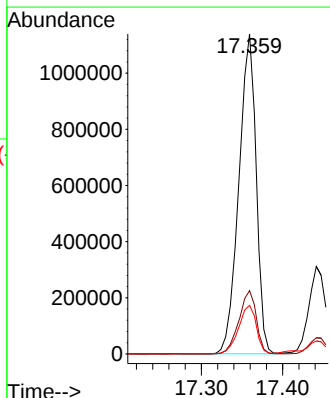
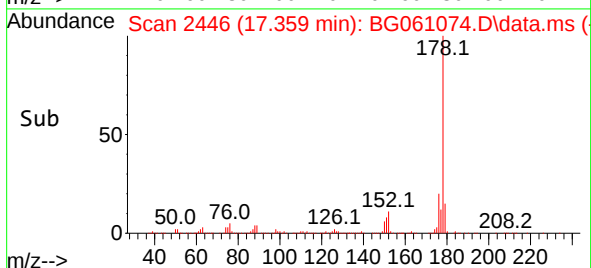
Tgt Ion:248 Resp: 9684
Ion Ratio Lower Upper
248 100
250 189.1 73.0 109.4#
141 409.6 50.8 76.2#

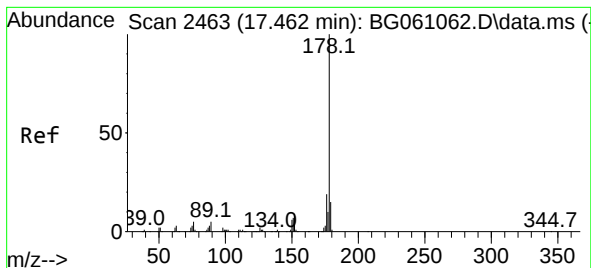


#71
Phenanthrene
Concen: 195.401 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.015 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19



Tgt Ion:178 Resp: 1684335
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.2 12.6 19.0





#72

Anthracene

Concen: 51.105 ng

RT: 17.441 min Scan# 24

Delta R.T. -0.021 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

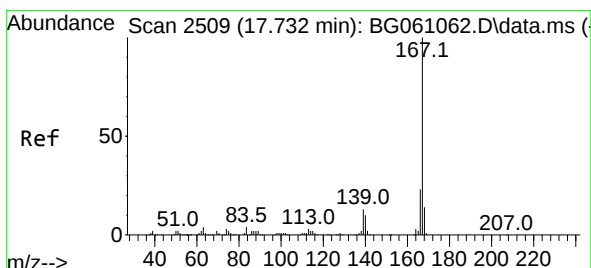
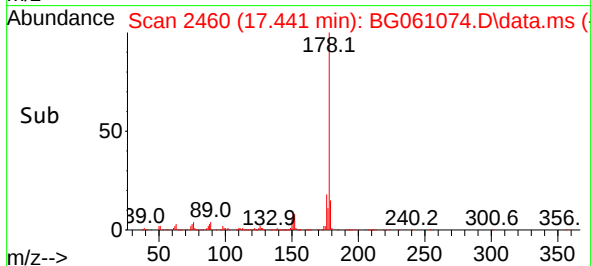
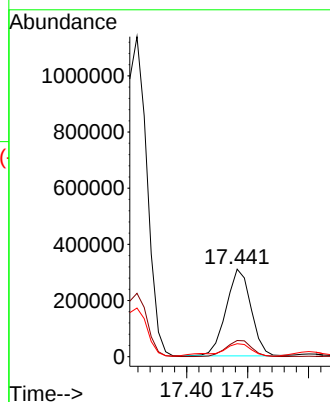
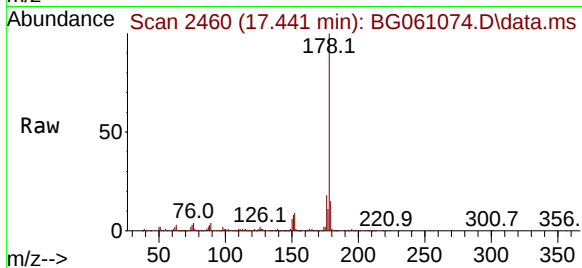
Tgt Ion:178 Resp: 439562

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

179 14.8 12.0 18.0



#73

Carbazole

Concen: 12.744 ng

RT: 17.712 min Scan# 2506

Delta R.T. -0.021 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

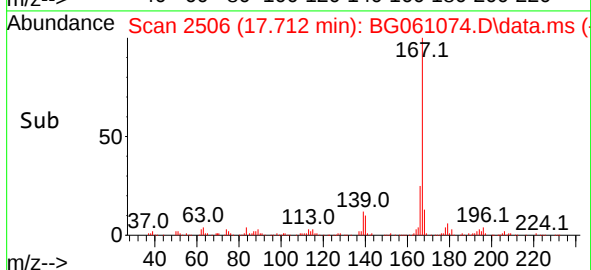
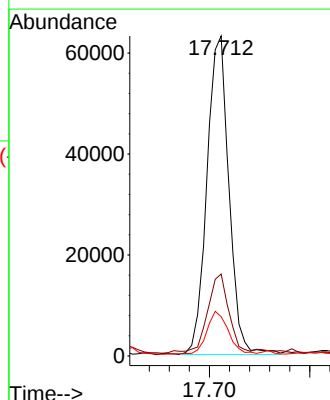
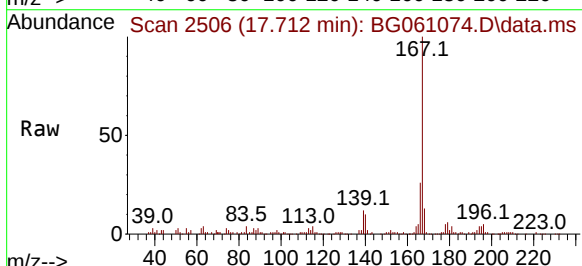
Tgt Ion:167 Resp: 96376

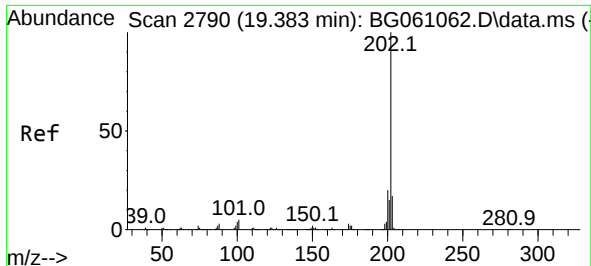
Ion Ratio Lower Upper

167 100

166 25.6 18.7 28.1

139 12.3 10.6 15.8

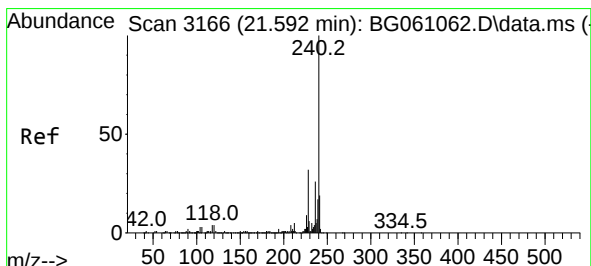
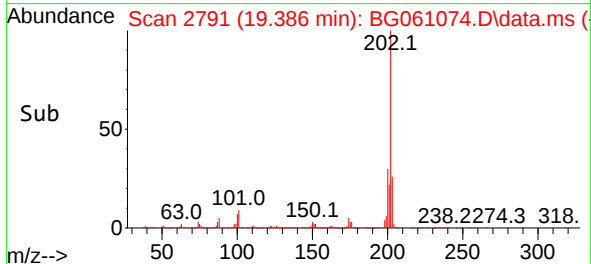
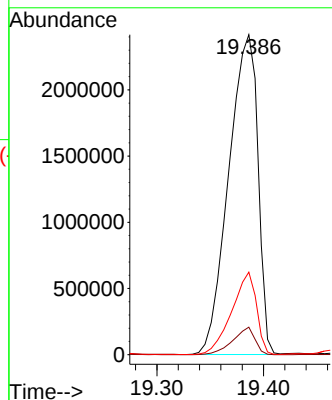
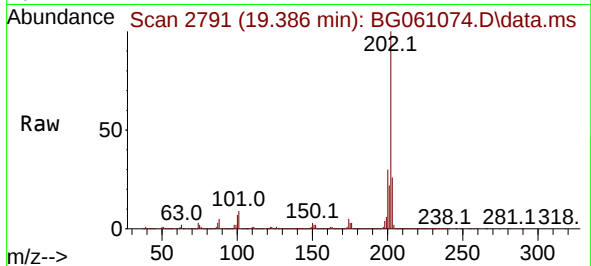




#75
Fluoranthene
Concen: 389.476 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

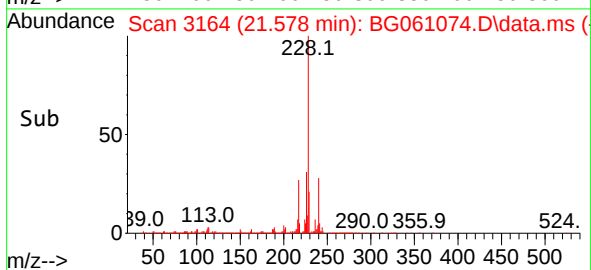
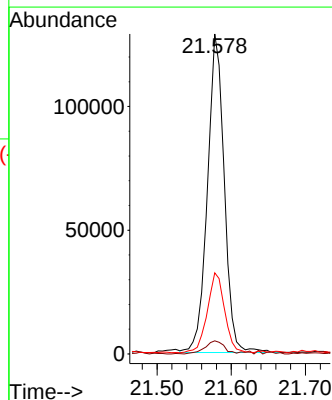
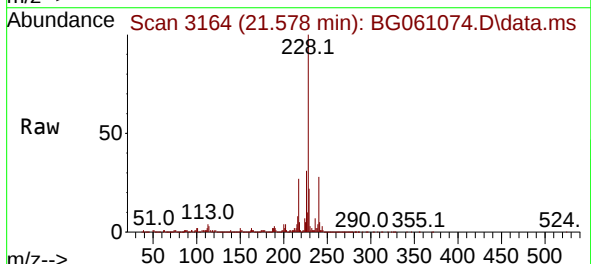
Instrument :
BNA_G
ClientSampleId :

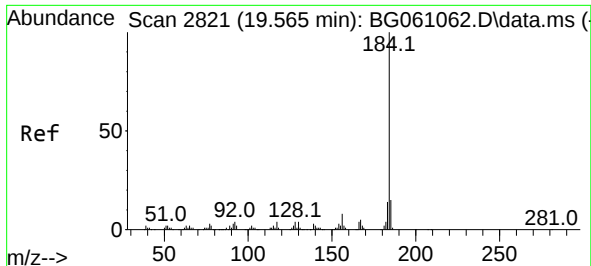
Tgt Ion:202 Resp: 4599329
Ion Ratio Lower Upper
202 100
101 8.6 0.0 24.7
203 25.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.015 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:240 Resp: 202795
Ion Ratio Lower Upper
240 100
120 4.1 3.2 4.8
236 25.4 21.0 31.6

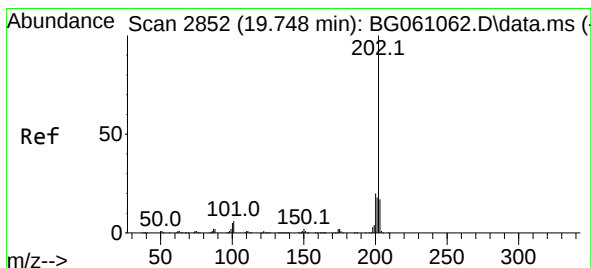
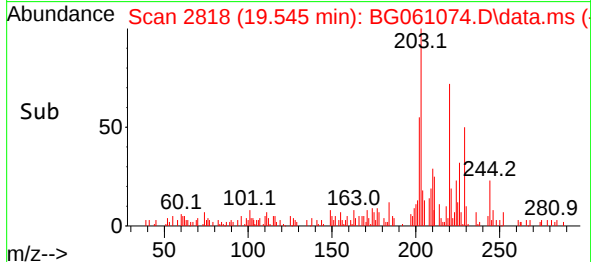
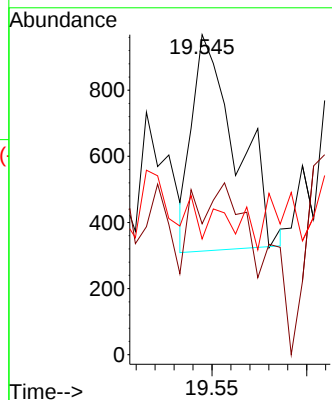
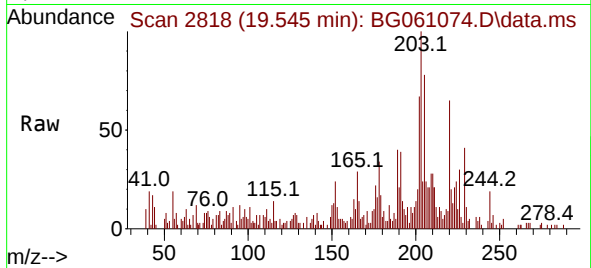




#77
Benzidine
Concen: 3.050 ng
RT: 19.545 min Scan# 2818
Delta R.T. -0.020 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

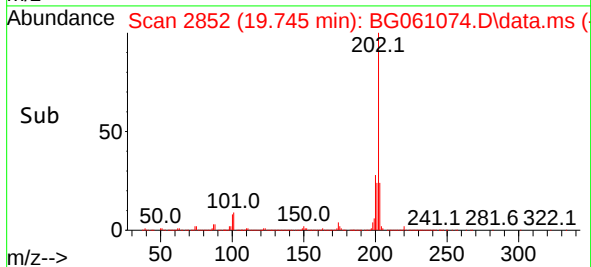
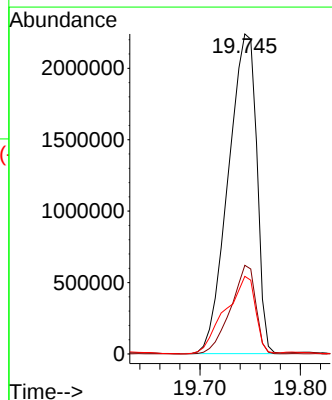
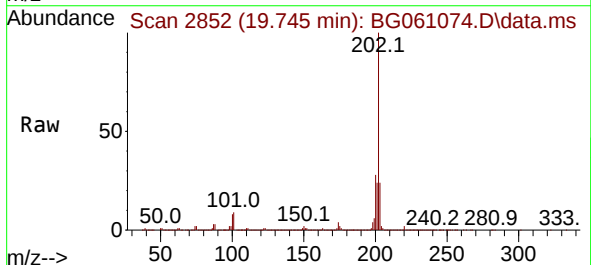
Instrument :
BNA_G
ClientSampleId :

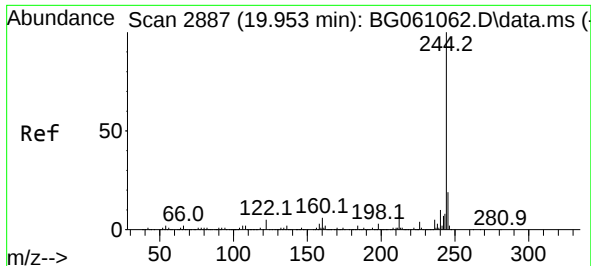
Tgt Ion:184 Resp: 1044
Ion Ratio Lower Upper
184 100
185 40.9 12.0 18.0#
183 36.2 10.9 16.3#



#78
Pyrene
Concen: 341.643 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.003 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

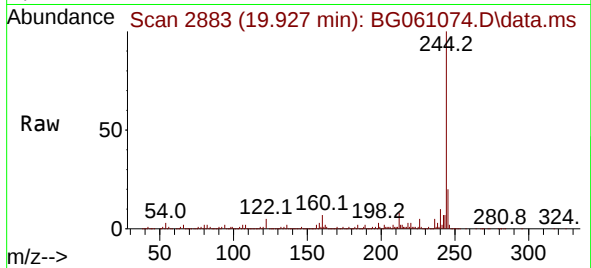
Tgt Ion:202 Resp: 4404774
Ion Ratio Lower Upper
202 100
200 27.7 16.2 24.4#
203 24.2 13.3 19.9#



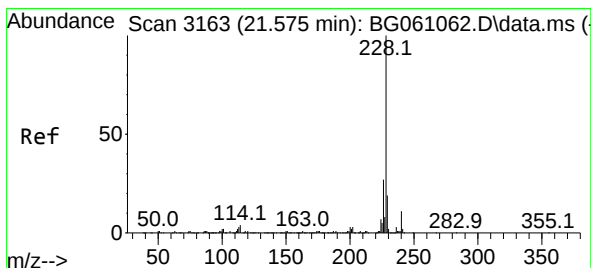
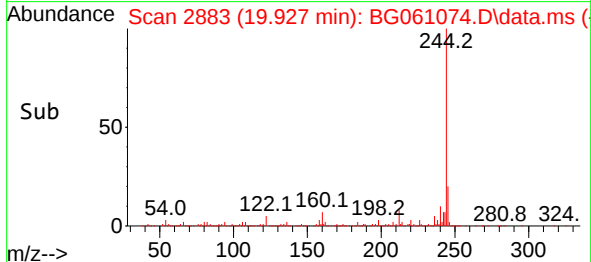
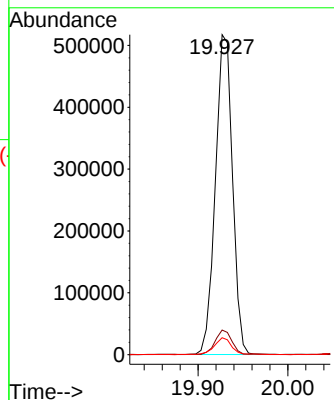


#79
 Terphenyl-d14
 Concen: 56.077 ng
 RT: 19.927 min Scan# 2883
 Delta R.T. -0.026 min
 Lab File: BG061074.D
 Acq: 1 May 2024 13:19

Instrument :
 BNA_G
 ClientSampleId :

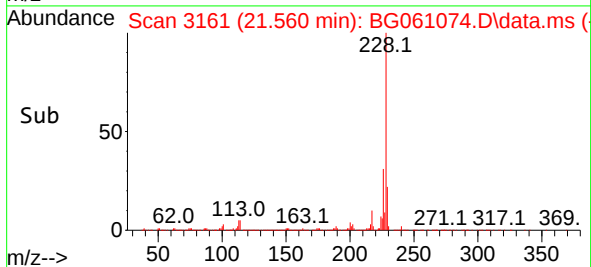
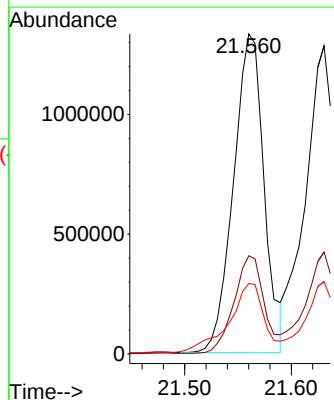
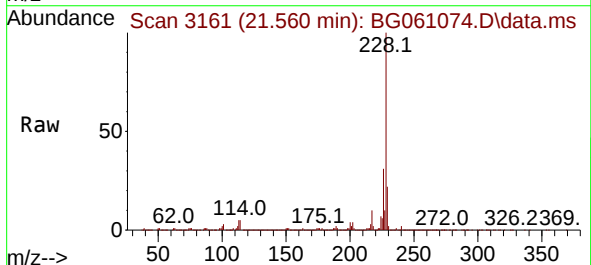


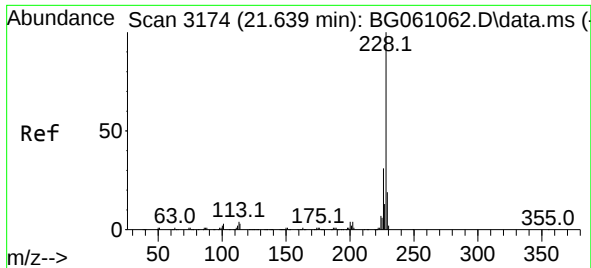
Tgt Ion:244 Resp: 683776
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 5.3 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 199.835 ng
 RT: 21.560 min Scan# 3161
 Delta R.T. -0.015 min
 Lab File: BG061074.D
 Acq: 1 May 2024 13:19

Tgt Ion:228 Resp: 2651894
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 22.0 15.0 22.4

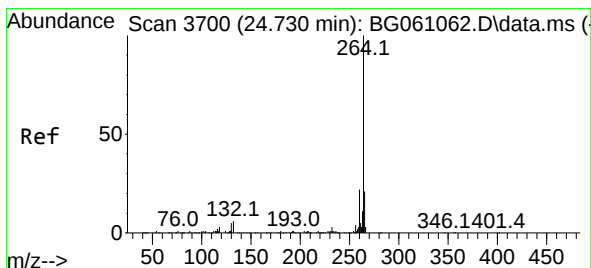
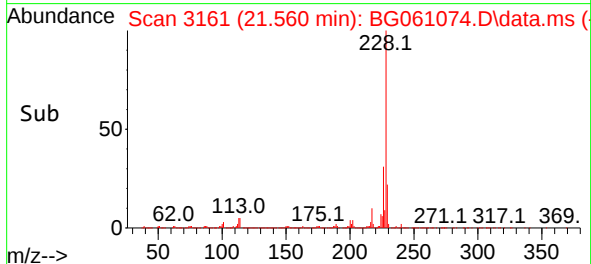
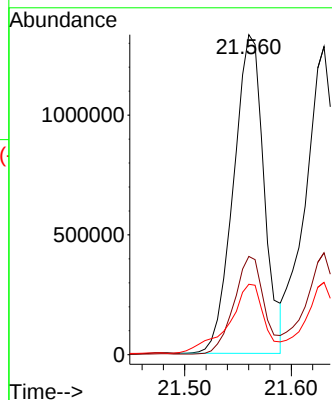
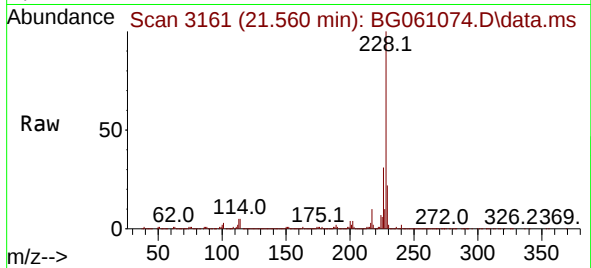




#83
Chrysene
Concen: 213.294 ng
RT: 21.560 min Scan# 3174
Delta R.T. -0.079 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

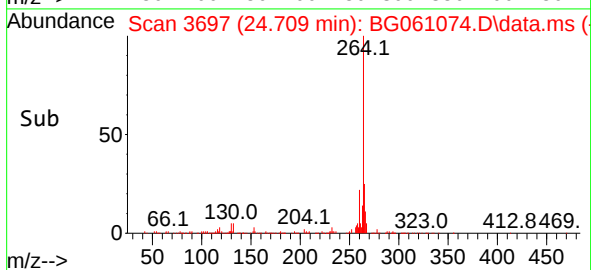
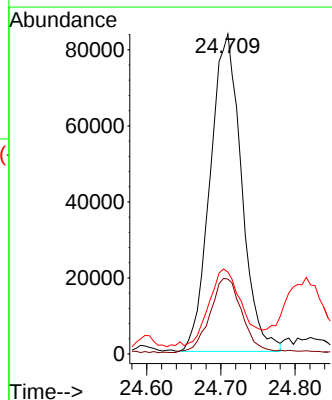
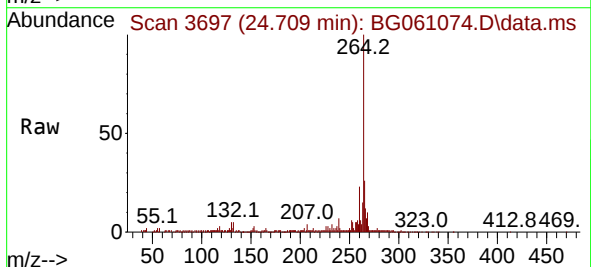
Instrument :
BNA_G
ClientSampleId :

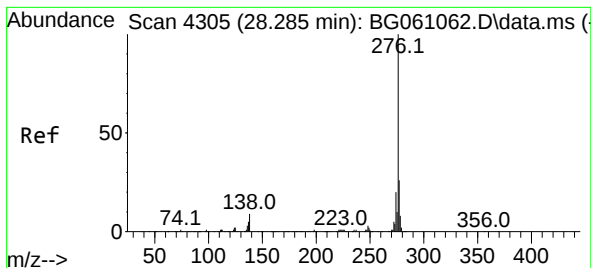
Tgt Ion:228 Resp: 2651894
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.0 14.8 22.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.709 min Scan# 3697
Delta R.T. -0.021 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:264 Resp: 245230
Ion Ratio Lower Upper
264 100
260 23.4 17.7 26.5
265 25.6 16.4 24.6#





#87

Indeno(1,2,3-cd)pyrene

Concen: 100.346 ng

RT: 28.282 min Scan# 41

Delta R.T. -0.003 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

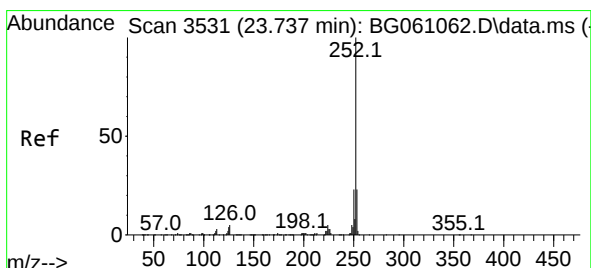
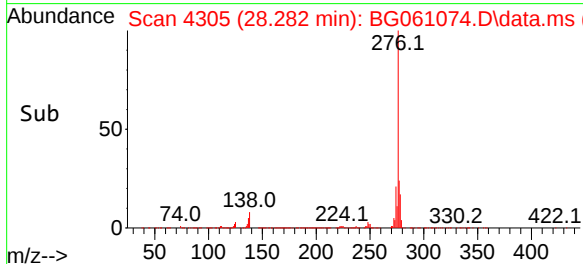
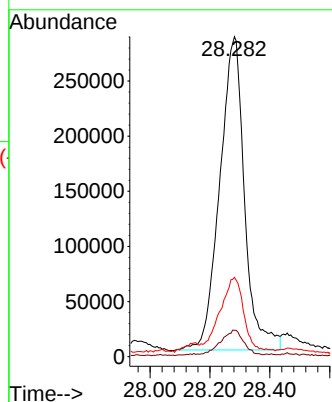
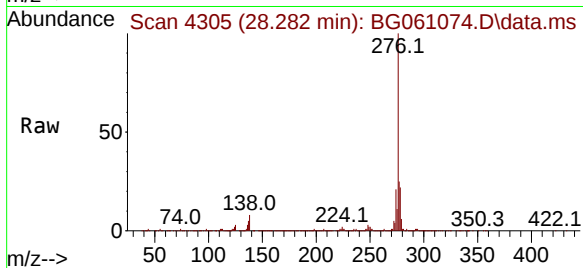
Tgt Ion:276 Resp: 1630800

Ion Ratio Lower Upper

276 100

138 7.3 5.1 7.7

277 21.5 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 231.778 ng

RT: 23.740 min Scan# 3532

Delta R.T. 0.003 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

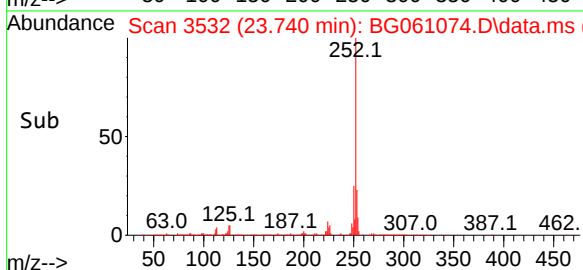
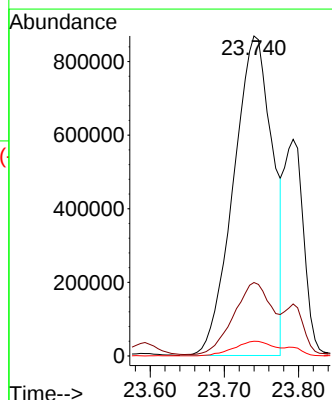
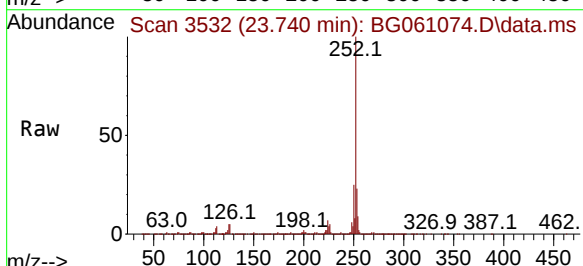
Tgt Ion:252 Resp: 3176179

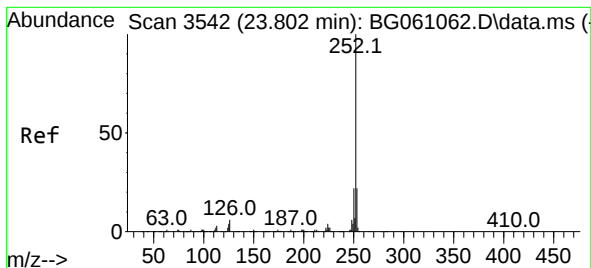
Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 4.6 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 240.924 ng

RT: 23.740 min Scan# 31

Delta R.T. -0.062 min

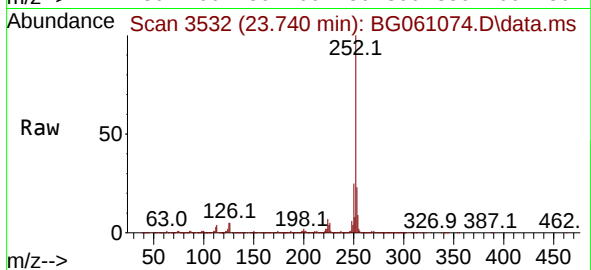
Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :



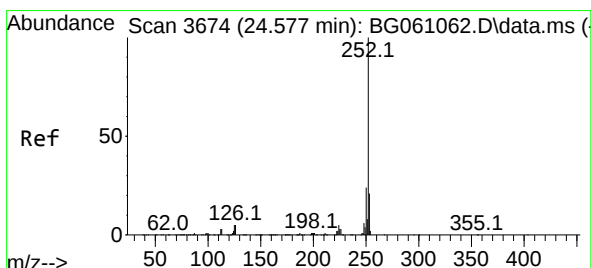
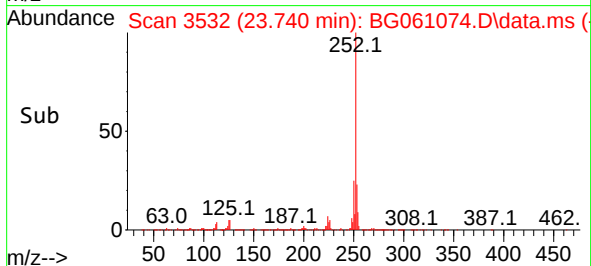
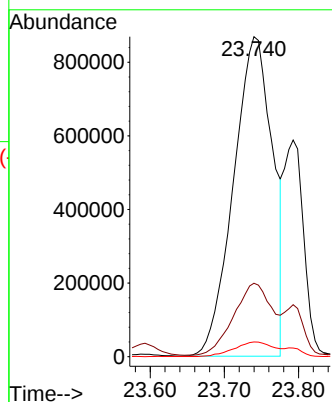
Tgt Ion:252 Resp: 3176179

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 4.6 3.2 4.8



#90

Benzo(a)pyrene

Concen: 202.661 ng

RT: 24.586 min Scan# 3676

Delta R.T. 0.009 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

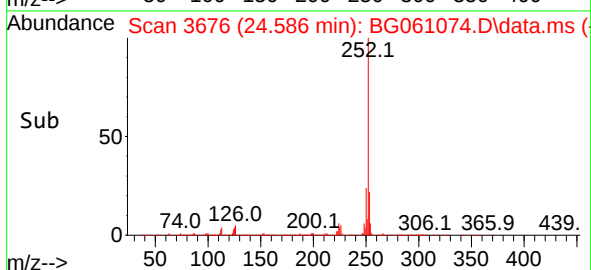
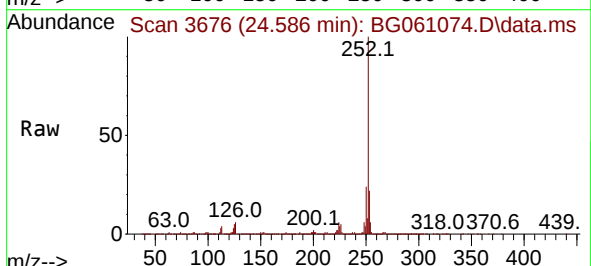
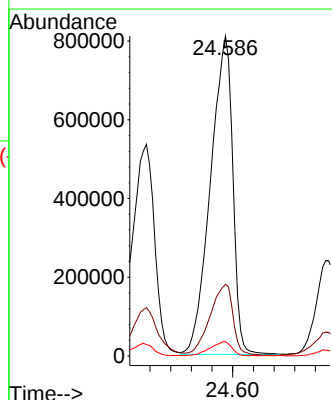
Tgt Ion:252 Resp: 2419509

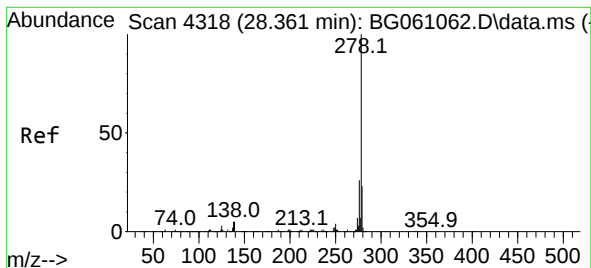
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 4.5 3.8 5.8





#91

Dibenzo(a,h)anthracene

Concen: 5.609 ng

RT: 28.135 min Scan# 41

Delta R.T. -0.226 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

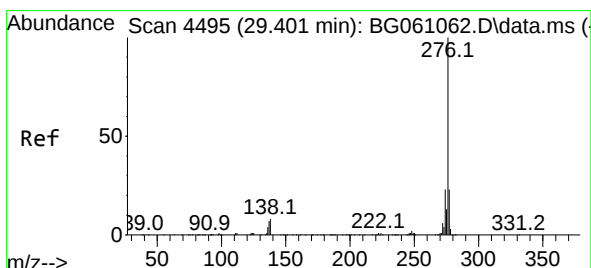
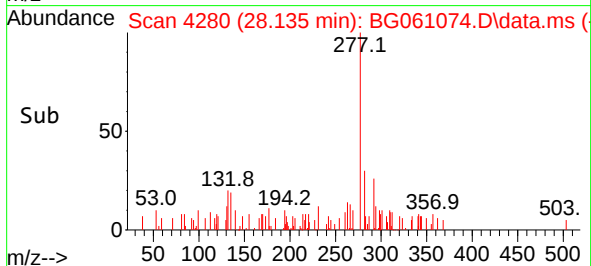
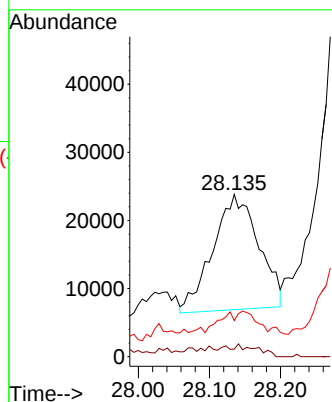
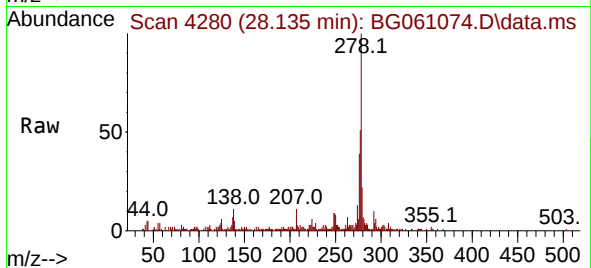
Tgt Ion:278 Resp: 75485

Ion Ratio Lower Upper

278 100

139 4.6 4.2 6.2

279 22.3 18.0 27.0



#92

Benzo(g,h,i)perylene

Concen: 121.108 ng

RT: 29.398 min Scan# 4495

Delta R.T. -0.003 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Tgt Ion:276 Resp: 1619783

Ion Ratio Lower Upper

276 100

277 23.0 18.2 27.4

138 7.7 6.2 9.2

