

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
 Data File : BG052774.D
 Acq On : 21 Mar 2022 19:07
 Operator : CG/JU
 Sample : N2007-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1

Quant Time: Mar 22 02:54:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

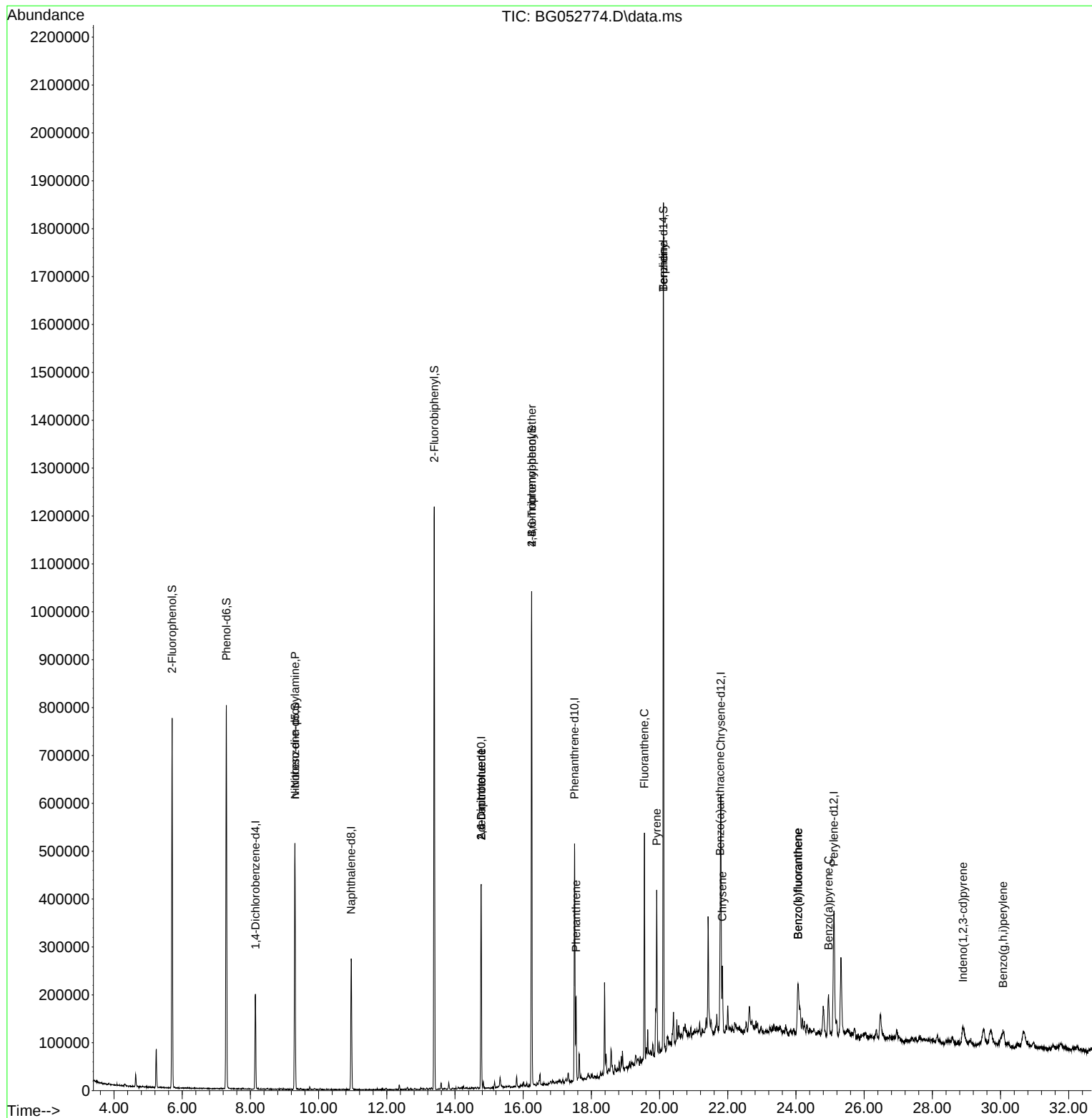
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	55919	20.000	ng	-0.01
21) Naphthalene-d8	10.955	136	230985	20.000	ng	#-0.02
39) Acenaphthene-d10	14.768	164	159571	20.000	ng	0.00
64) Phenanthrene-d10	17.505	188	319598	20.000	ng	-0.01
76) Chrysene-d12	21.793	240	288411	20.000	ng	-0.02
86) Perylene-d12	25.113	264	302233	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	315645	98.303	ng	0.00
7) Phenol-d6	7.295	99	462118	95.463	ng	0.00
23) Nitrobenzene-d5	9.305	82	323625	70.320	ng	-0.01
42) 2,4,6-Tribromophenol	16.248	330	200134	93.337	ng	-0.01
45) 2-Fluorobiphenyl	13.393	172	670534	61.975	ng	-0.01
79) Terphenyl-d14	20.113	244	889392	54.856	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.284	77	758	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.305	70	44870	13.087	ng	# 79
51) 2,6-Dinitrotoluene	14.768	165	20242	10.109	ng	# 26
57) 2,4-Dinitrotoluene	14.768	165	20242	7.286	ng	# 25
67) 4-Bromophenyl-phenylether	16.248	248	13581	3.525	ng	# 1
71) Phenanthrene	17.552	178	117231	6.857	ng	95
75) Fluoranthene	19.555	202	290643	13.392	ng	99
77) Benzidine	20.113	184	16290	2.190	ng	# 91
78) Pyrene	19.914	202	226283	11.311	ng	99
81) Benzo(a)anthracene	21.776	228	116657	6.041	ng	99
83) Chrysene	21.840	228	106997	5.893	ng	96
87) Indeno(1,2,3-cd)pyrene	28.901	276	73511	3.553	ng	# 94
88) Benzo(b)fluoranthene	24.061	252	136475	7.273	ng	# 96
89) Benzo(k)fluoranthene	24.061	252	136475	7.392	ng	# 96
90) Benzo(a)pyrene	24.954	252	99709	6.277	ng	99
92) Benzo(g,h,i)perylene	30.076	276	70552	4.183	ng	# 95

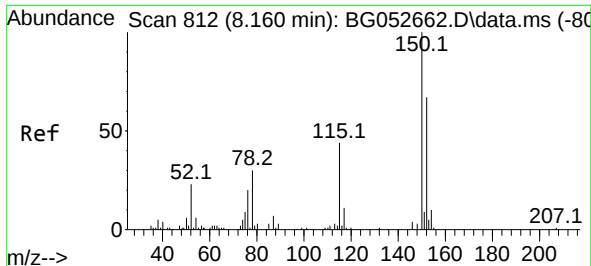
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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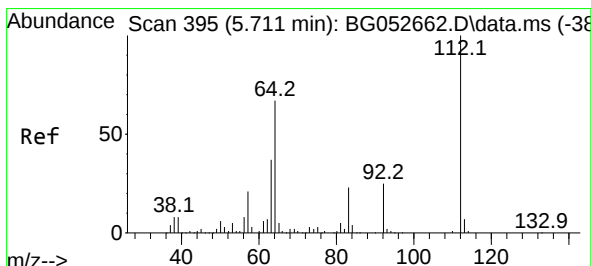
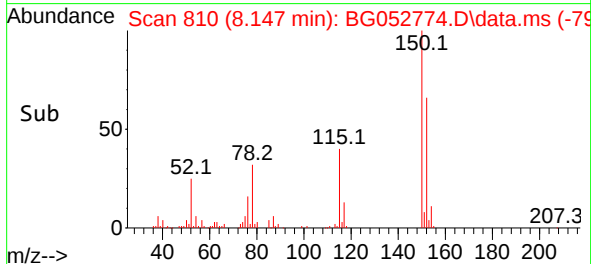
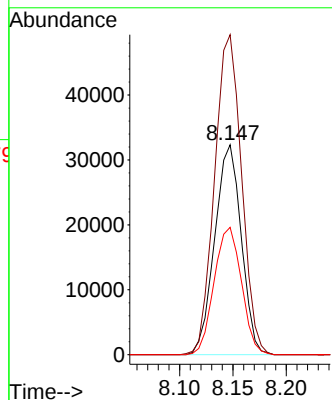
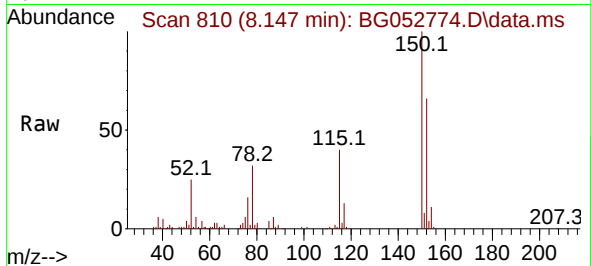




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

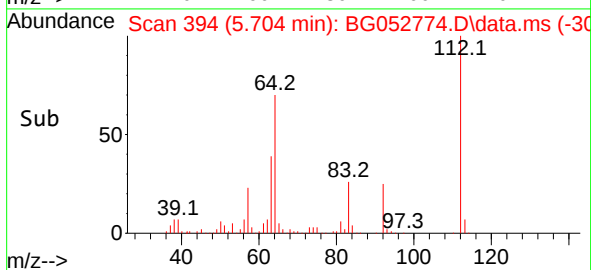
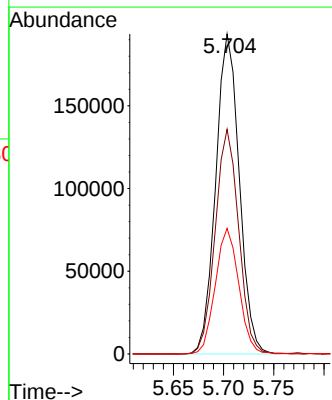
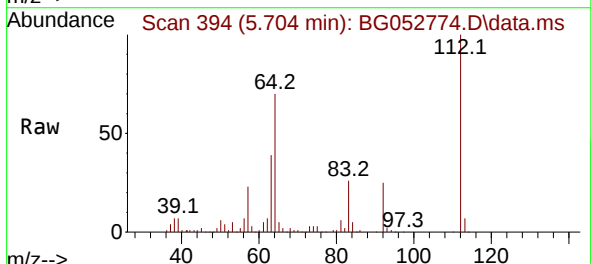
Instrument :
BNA_G
ClientSampleId :
SP1

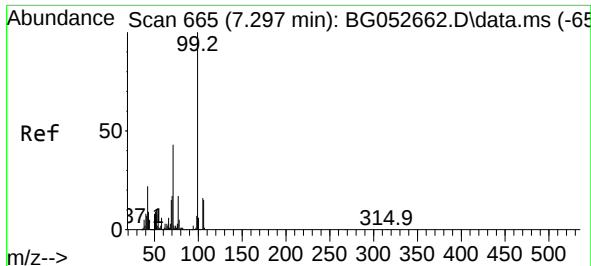
Tgt Ion:152 Resp: 55919
Ion Ratio Lower Upper
152 100
150 152.5 114.6 172.0
115 60.7 45.9 68.9



#5
2-Fluorophenol
Concen: 98.303 ng
RT: 5.704 min Scan# 394
Delta R.T. -0.007 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:112 Resp: 315645
Ion Ratio Lower Upper
112 100
64 70.2 48.0 72.0
63 39.2 26.5 39.7





#7

Phenol-d6

Concen: 95.463 ng

RT: 7.295 min Scan# 6

Delta R.T. -0.002 min

Lab File: BG052774.D

Acq: 21 Mar 2022 19:07

Instrument :

BNA_G

ClientSampleId :

SP1

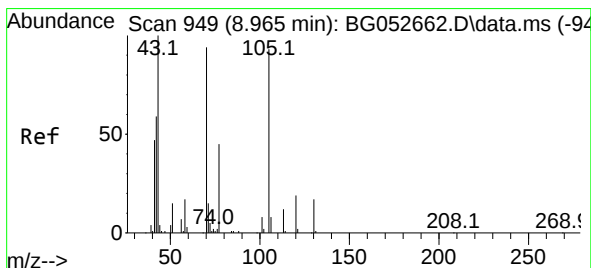
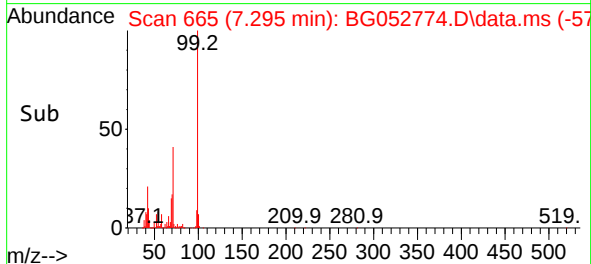
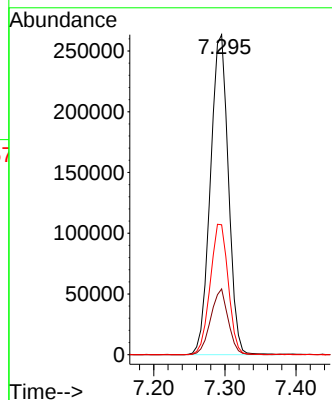
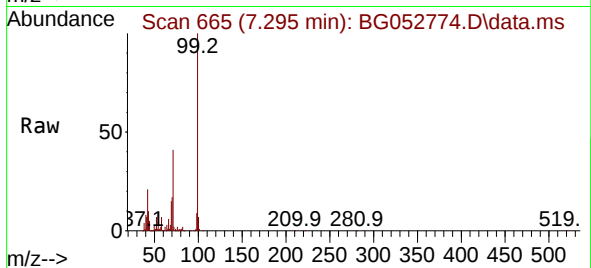
Tgt Ion: 99 Resp: 462118

Ion Ratio Lower Upper

99 100

42 20.5 14.7 22.1

71 40.6 29.2 43.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.087 ng

RT: 9.305 min Scan# 1007

Delta R.T. 0.339 min

Lab File: BG052774.D

Acq: 21 Mar 2022 19:07

Tgt Ion: 70 Resp: 44870

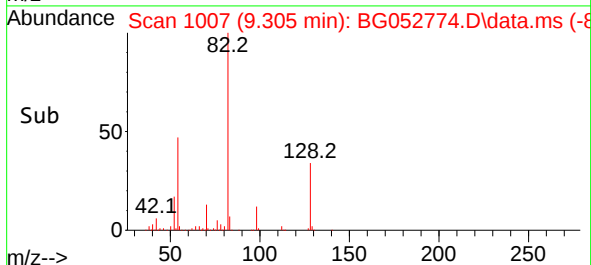
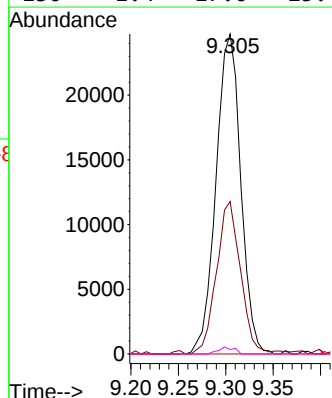
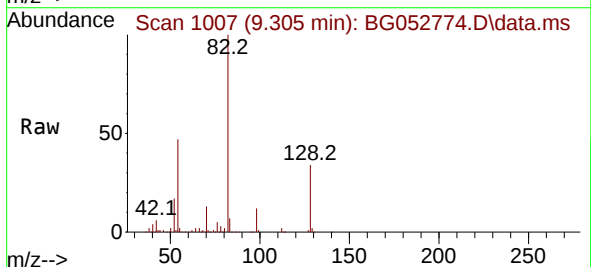
Ion Ratio Lower Upper

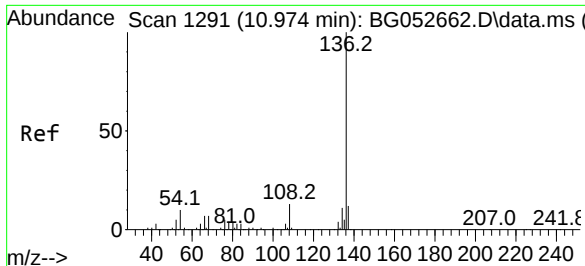
70 100

42 47.6 46.0 69.0

101 0.0 6.2 9.4#

130 1.4 17.0 25.4#

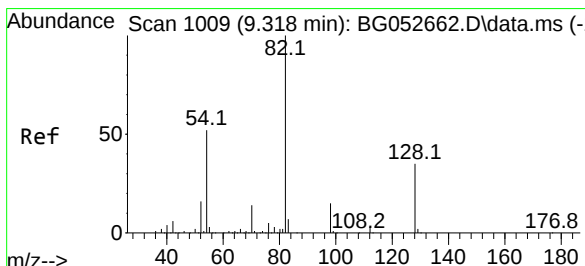
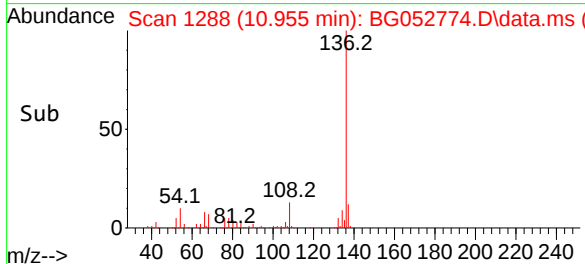
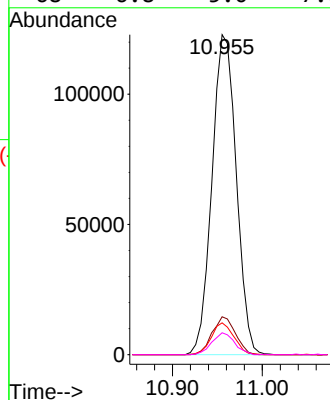
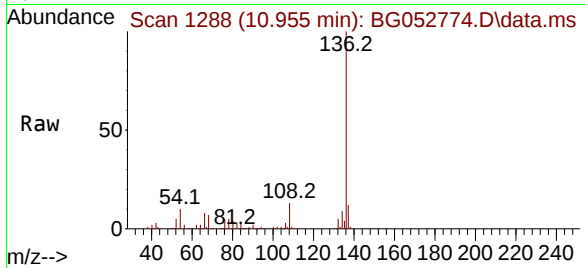




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 1007
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

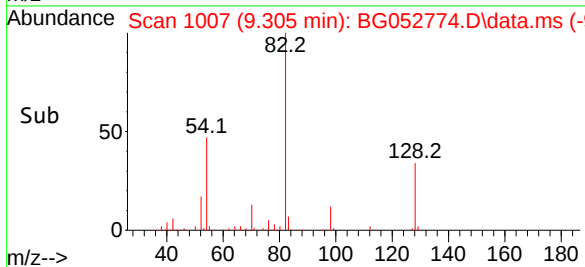
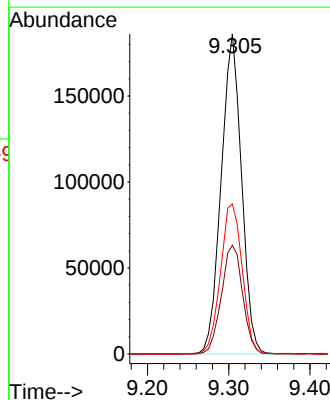
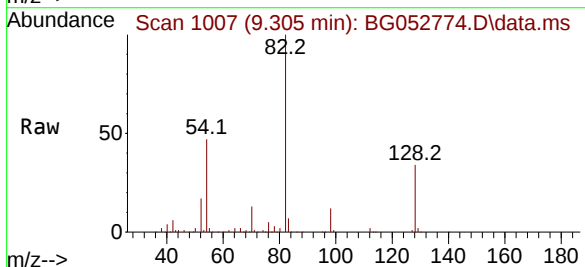
Instrument :
BNA_G
ClientSampleId :
SP1

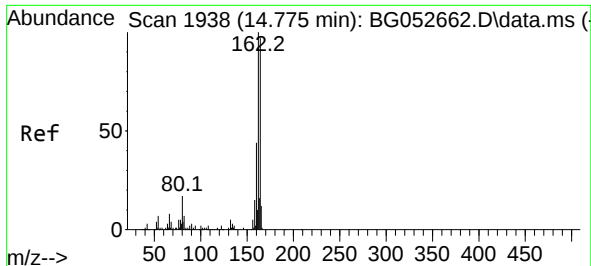
Tgt Ion:136 Resp: 230985
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.2
54 10.0 6.4 9.6#
68 6.8 5.0 7.6



#23
Nitrobenzene-d5
Concen: 70.320 ng
RT: 9.305 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion: 82 Resp: 323625
Ion Ratio Lower Upper
82 100
128 34.0 31.3 46.9
54 46.9 37.8 56.8

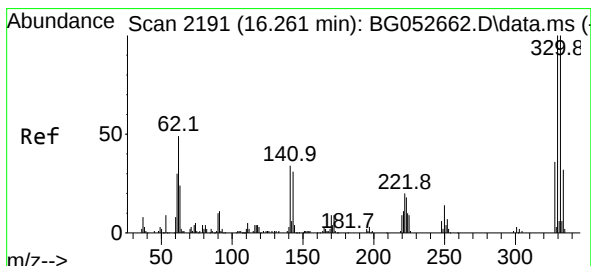
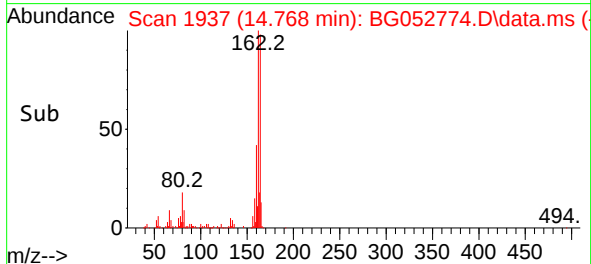
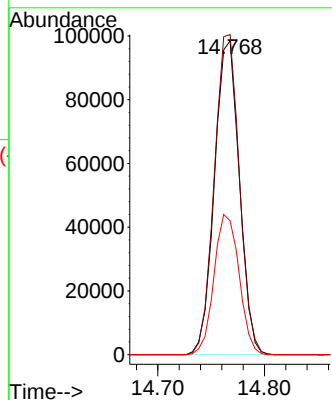
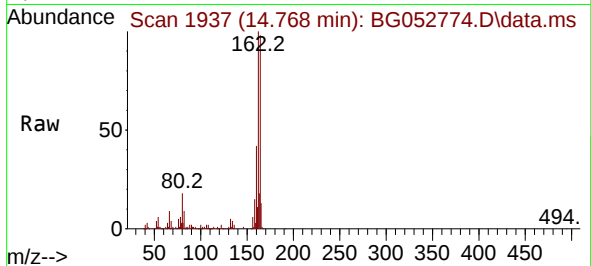




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.768 min Scan# 1937
Delta R.T. -0.007 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

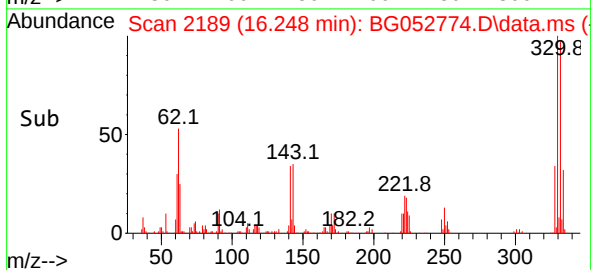
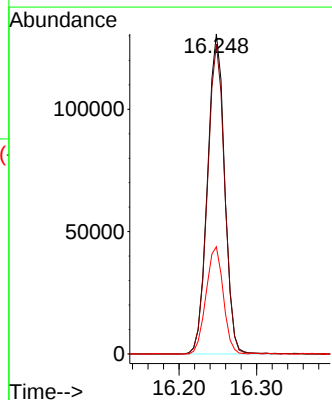
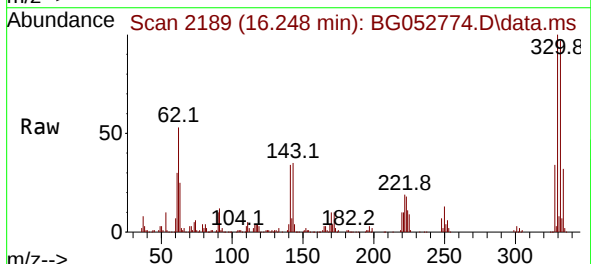
Instrument :
BNA_G
ClientSampleId :
SP1

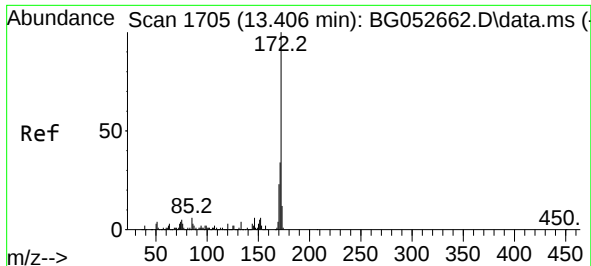
Tgt Ion:164 Resp: 159571
Ion Ratio Lower Upper
164 100
162 102.0 80.0 120.0
160 42.7 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 93.337 ng
RT: 16.248 min Scan# 2189
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:330 Resp: 200134
Ion Ratio Lower Upper
330 100
332 97.0 75.8 113.6
141 33.7 24.6 36.8

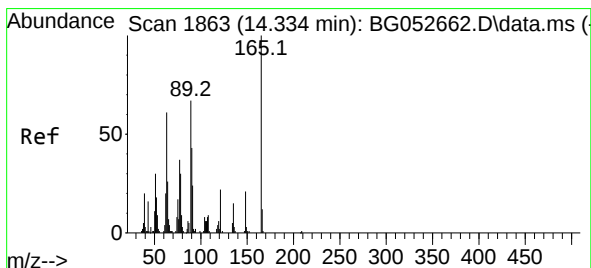
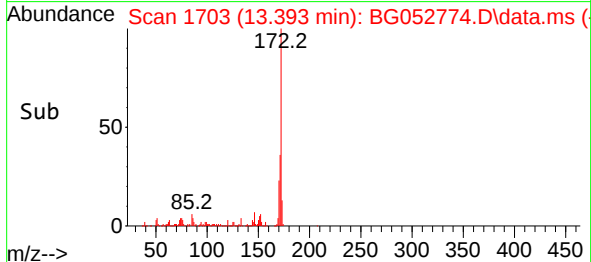
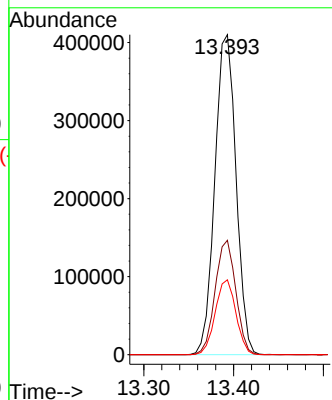
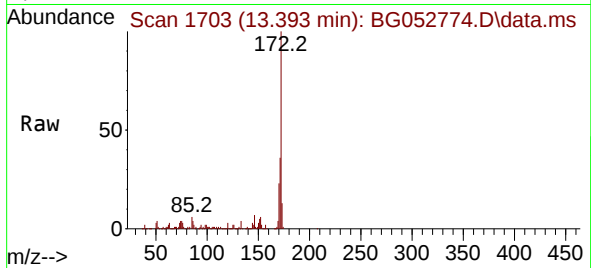




#45
2-Fluorobiphenyl
Concen: 61.975 ng
RT: 13.393 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

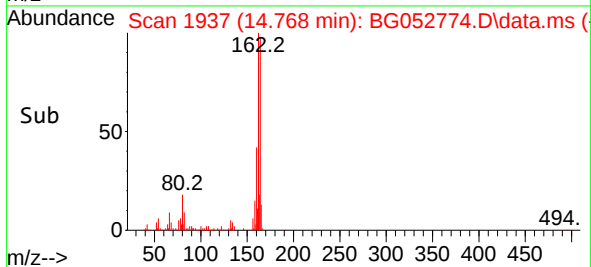
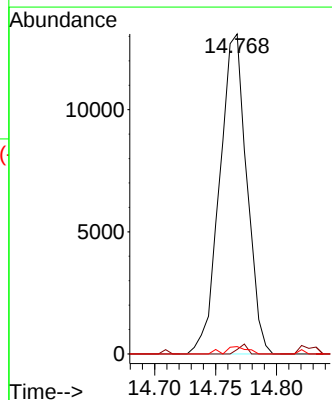
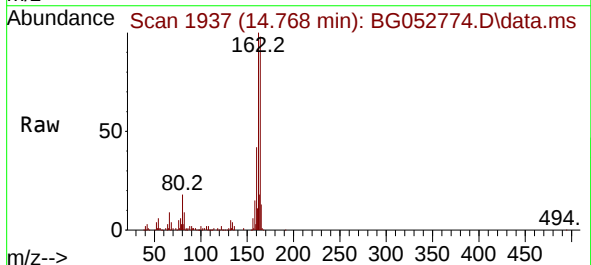
Instrument :
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ClientSampleId :
SP1

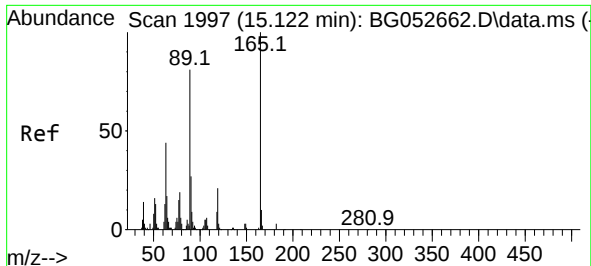
Tgt Ion:172 Resp: 670534
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.4 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.109 ng
RT: 14.768 min Scan# 1937
Delta R.T. 0.433 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:165 Resp: 20242
Ion Ratio Lower Upper
165 100
63 1.4 43.7 65.5#
89 2.3 45.0 67.4#

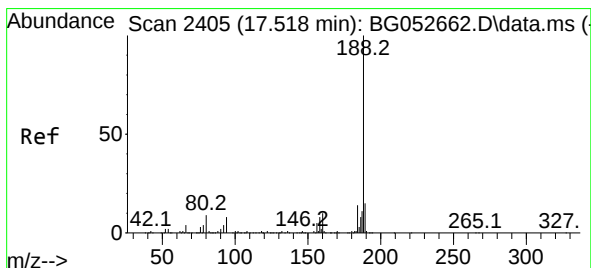
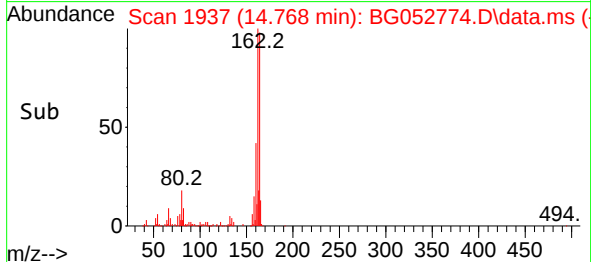
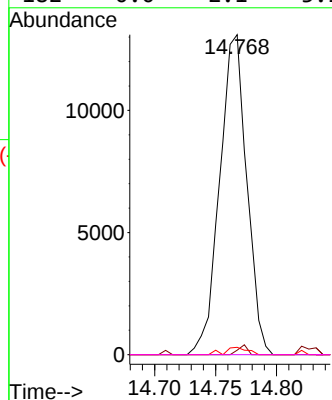
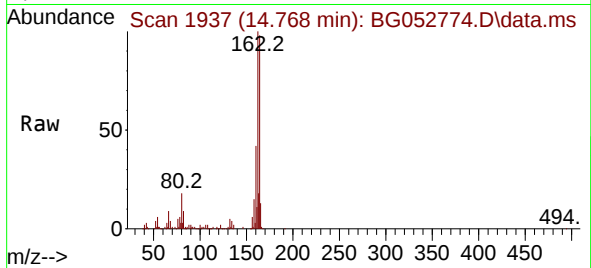




#57
2,4-Dinitrotoluene
Concen: 7.286 ng
RT: 14.768 min Scan# 1937
Delta R.T. -0.354 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

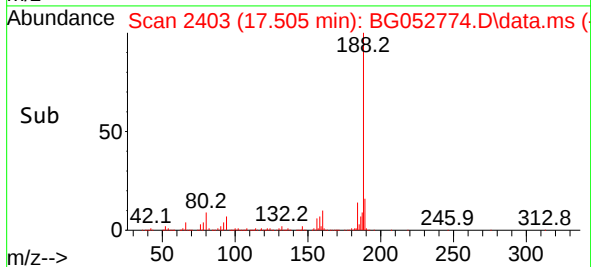
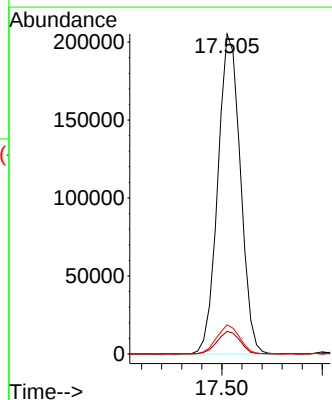
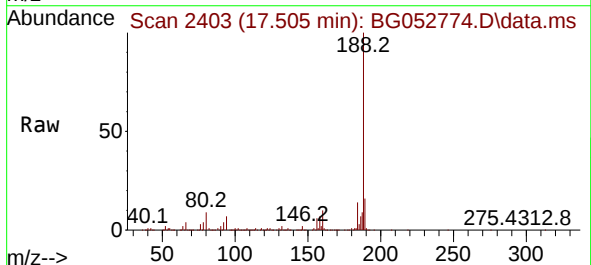
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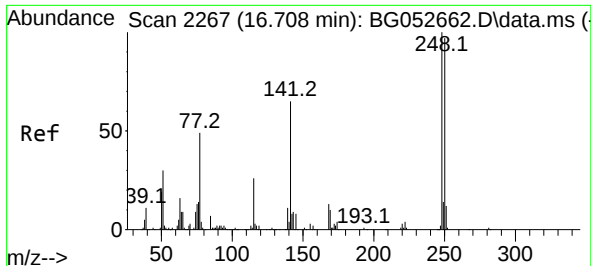
Tgt Ion:165 Resp: 20242
Ion Ratio Lower Upper
165 100
63 1.4 34.8 52.2#
89 2.3 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.505 min Scan# 2403
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:188 Resp: 319598
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 9.1 7.2 10.8

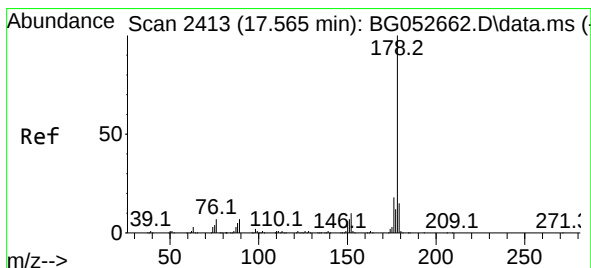
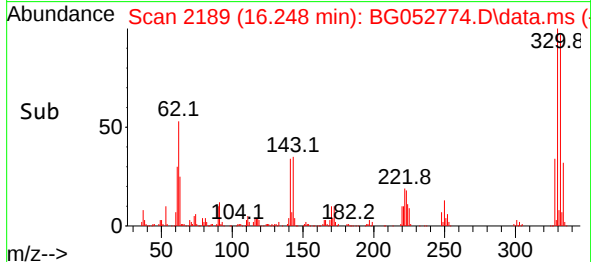
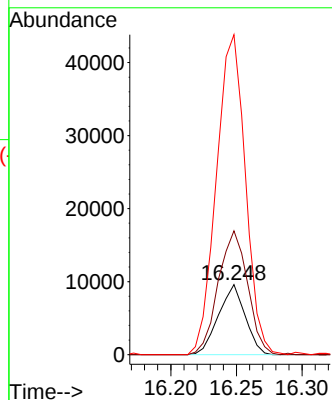
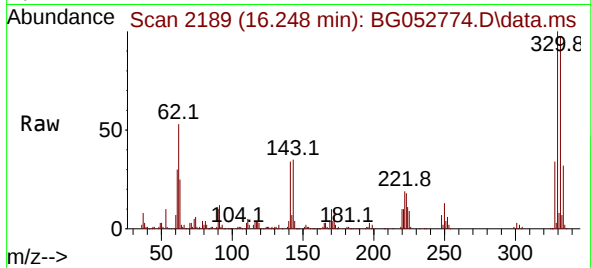




#67
4-Bromophenyl-phenylether
Concen: 3.525 ng
RT: 16.248 min Scan# 21189
Delta R.T. -0.460 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

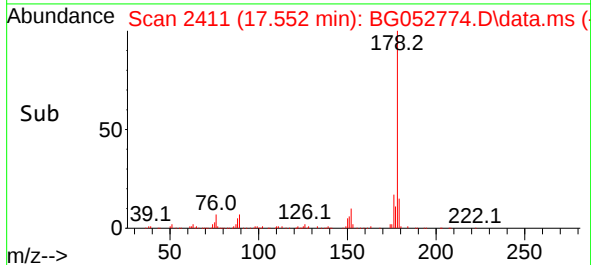
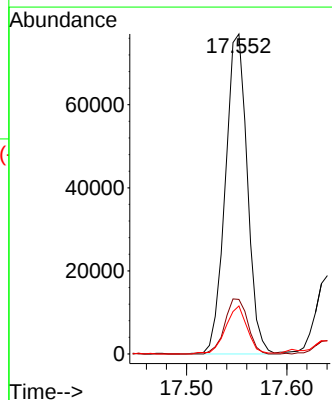
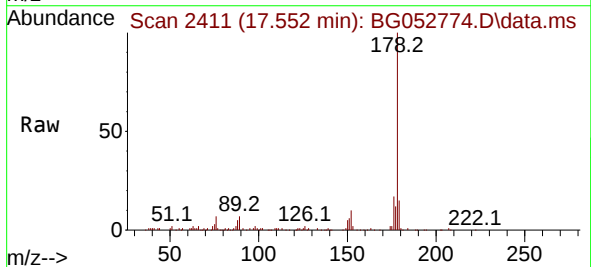
Instrument :
BNA_G
ClientSampleId :
SP1

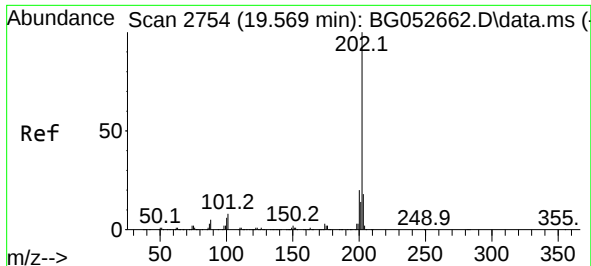
Tgt Ion:248 Resp: 13581
Ion Ratio Lower Upper
248 100
250 176.5 77.9 116.9#
141 456.3 49.2 73.8#



#71
Phenanthrene
Concen: 6.857 ng
RT: 17.552 min Scan# 2411
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:178 Resp: 117231
Ion Ratio Lower Upper
178 100
176 17.1 15.9 23.9
179 15.0 13.4 20.2

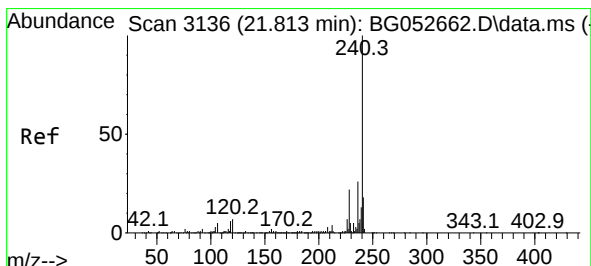
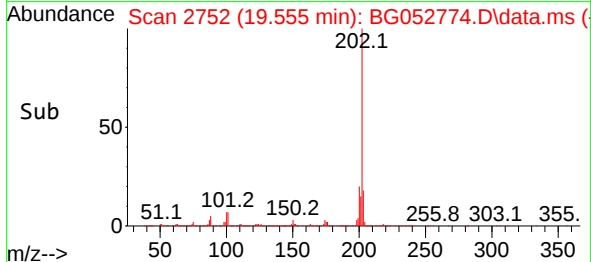
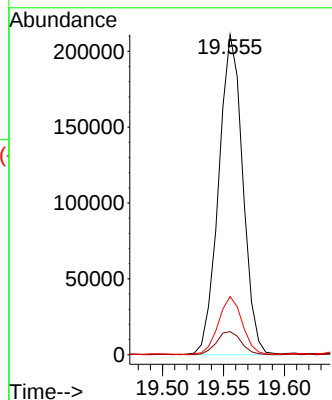
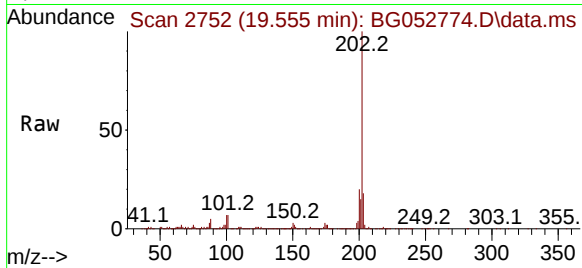




#75
Fluoranthene
Concen: 13.392 ng
RT: 19.555 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

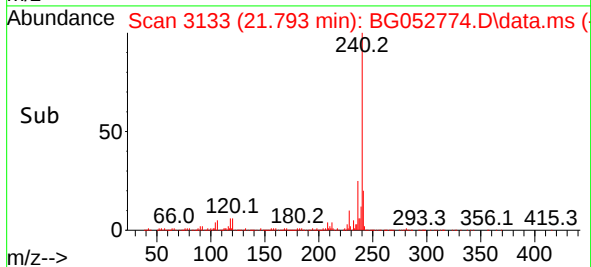
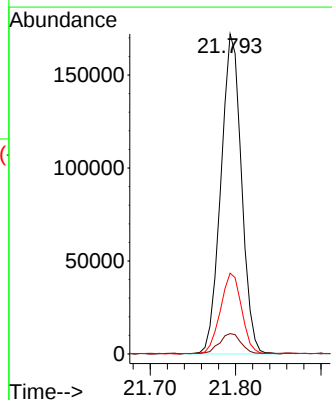
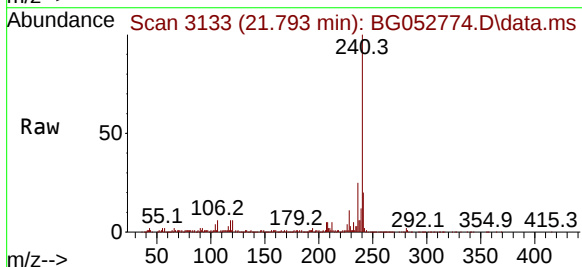
Instrument :
BNA_G
ClientSampleId :
SP1

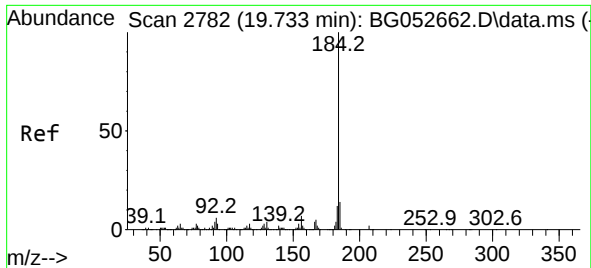
Tgt Ion:202 Resp: 290643
Ion Ratio Lower Upper
202 100
101 7.2 0.0 27.3
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.793 min Scan# 3133
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:240 Resp: 288411
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 25.2 19.8 29.6

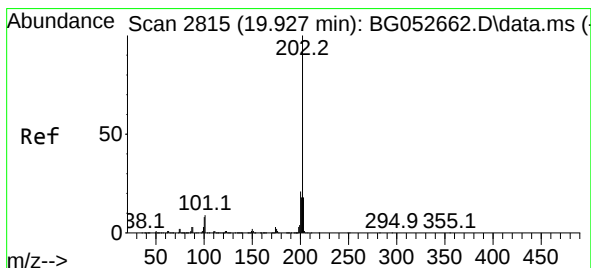
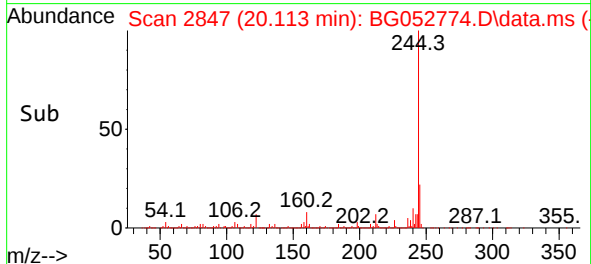
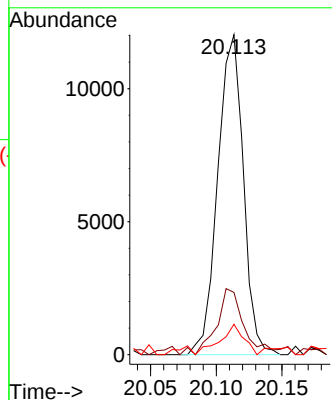
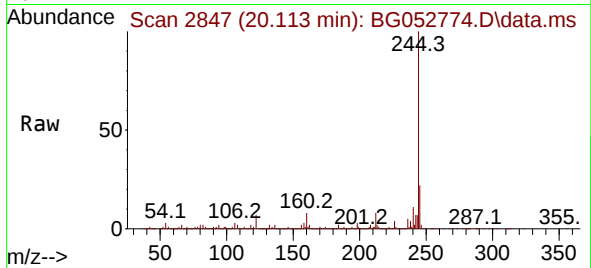




#77
Benzidine
Concen: 2.190 ng
RT: 20.113 min Scan# 2847
Delta R.T. 0.380 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

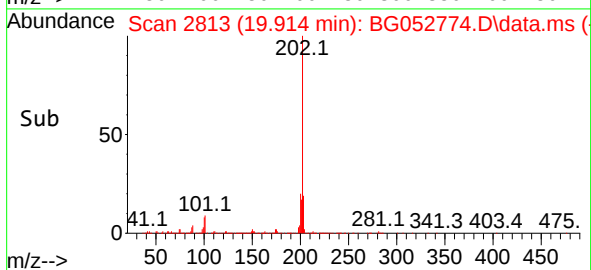
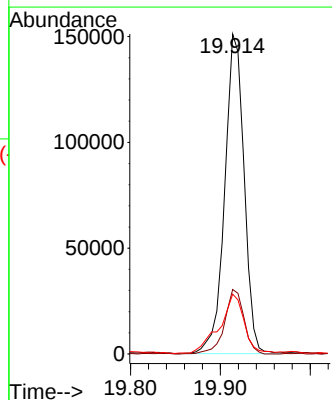
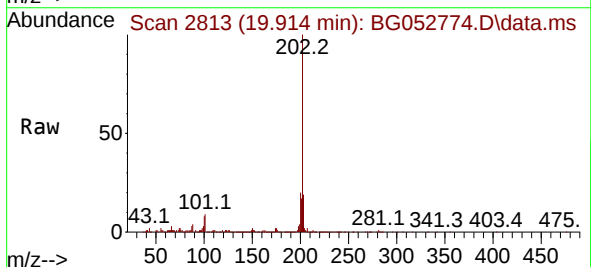
Instrument :
BNA_G
ClientSampleId :
SP1

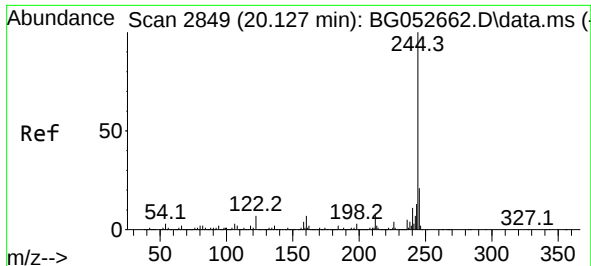
Tgt Ion:184 Resp: 16290
Ion Ratio Lower Upper
184 100
185 19.4 11.5 17.3#
183 9.5 9.4 14.2



#78
Pyrene
Concen: 11.311 ng
RT: 19.914 min Scan# 2813
Delta R.T. -0.013 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:202 Resp: 226283
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 18.7 15.0 22.6

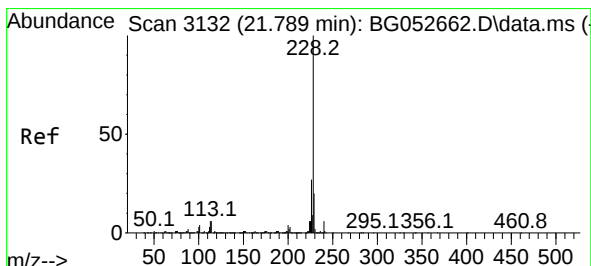
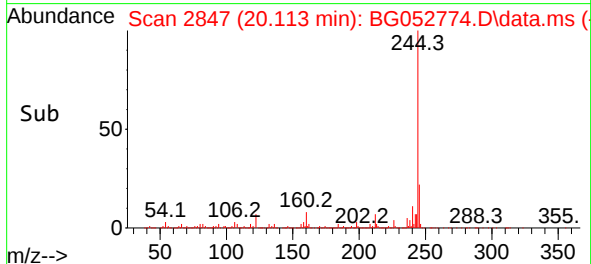
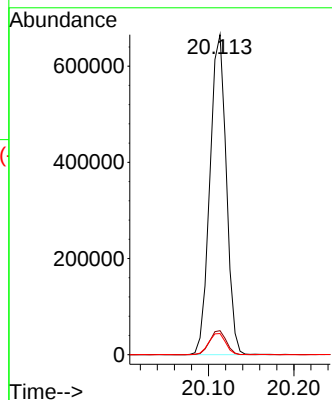
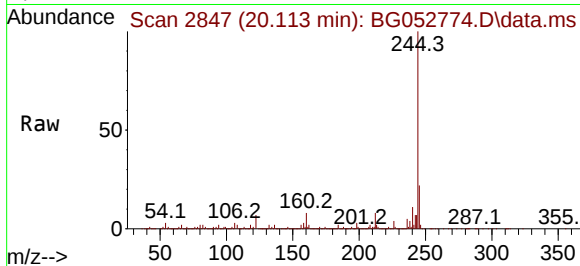




#79
 Terphenyl-d14
 Concen: 54.856 ng
 RT: 20.113 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BG052774.D
 Acq: 21 Mar 2022 19:07

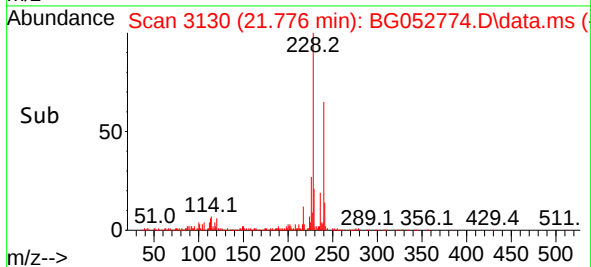
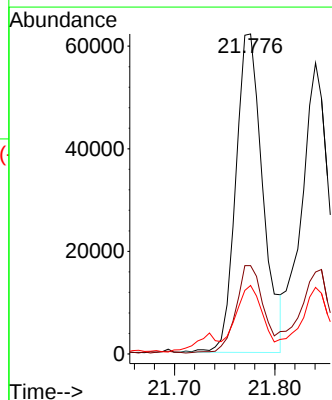
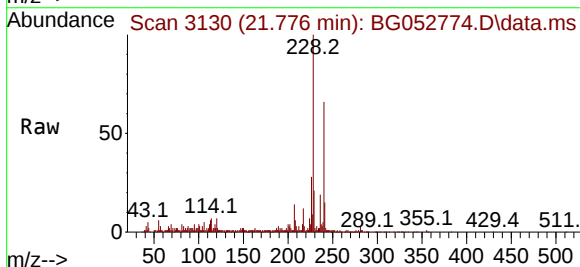
Instrument :
 BNA_G
 ClientSampleId :
 SP1

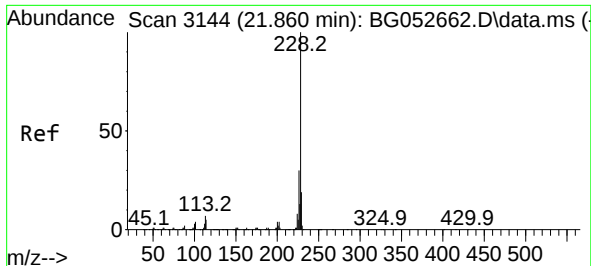
Tgt Ion:244 Resp: 889392
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 6.6 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 6.041 ng
 RT: 21.776 min Scan# 3130
 Delta R.T. -0.013 min
 Lab File: BG052774.D
 Acq: 21 Mar 2022 19:07

Tgt Ion:228 Resp: 116657
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 21.4 16.7 25.1

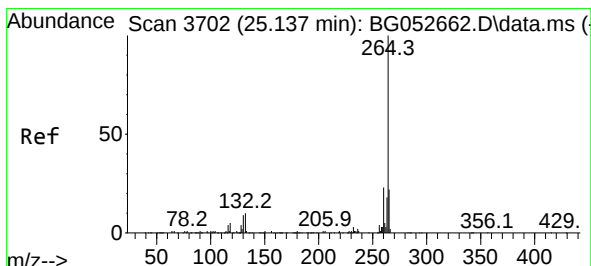
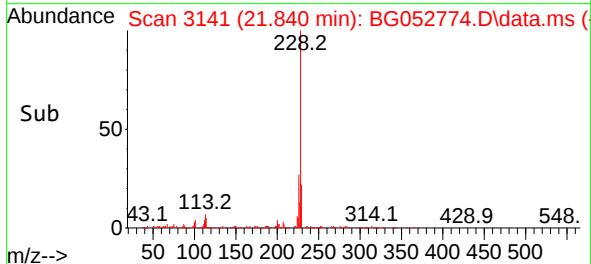
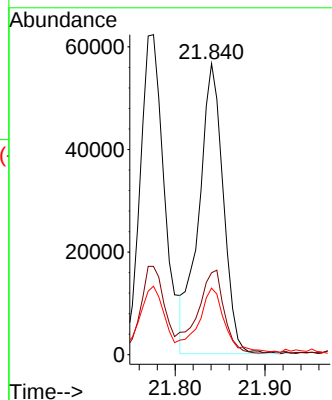
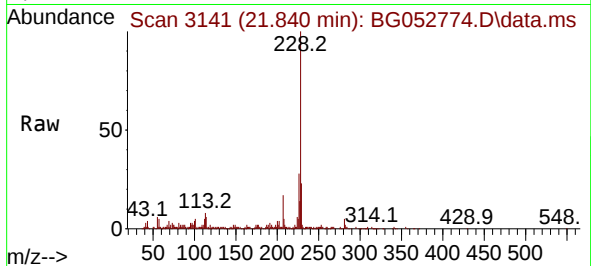




#83
Chrysene
Concen: 5.893 ng
RT: 21.840 min Scan# 3144
Delta R.T. -0.019 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

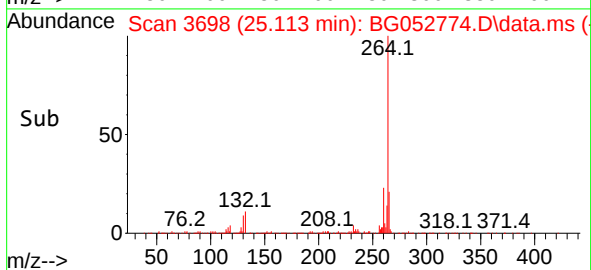
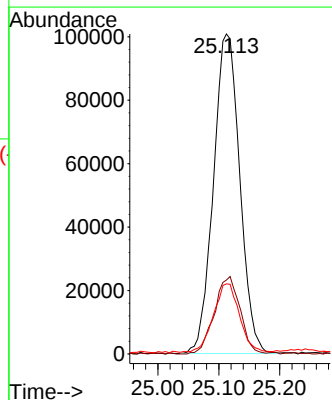
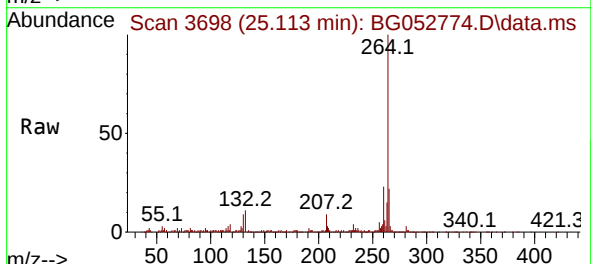
Instrument :
BNA_G
ClientSampleId :
SP1

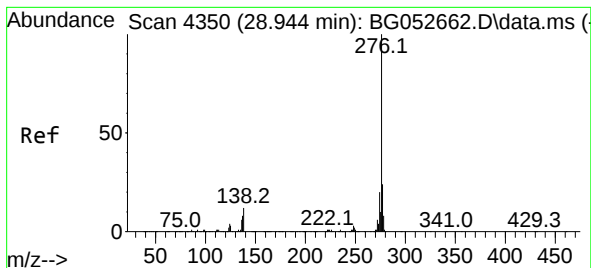
Tgt Ion:228 Resp: 106997
Ion Ratio Lower Upper
228 100
226 28.2 24.2 36.4
229 22.9 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.113 min Scan# 3698
Delta R.T. -0.025 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

Tgt Ion:264 Resp: 302233
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 21.9 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.553 ng

RT: 28.901 min Scan# 41

Delta R.T. -0.043 min

Lab File: BG052774.D

Acq: 21 Mar 2022 19:07

Instrument :

BNA_G

ClientSampleId :

SP1

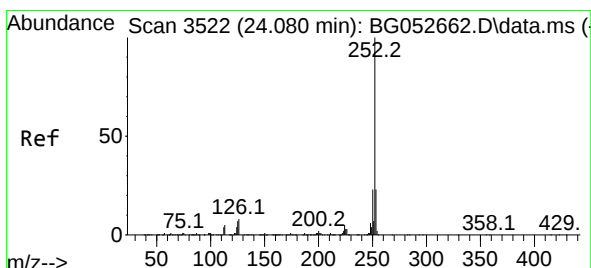
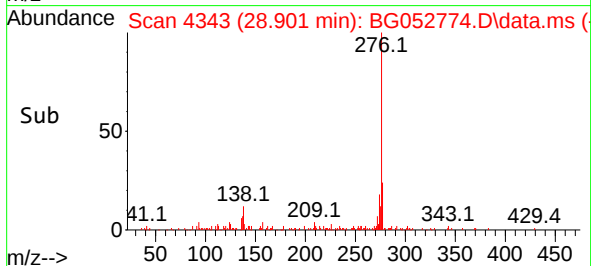
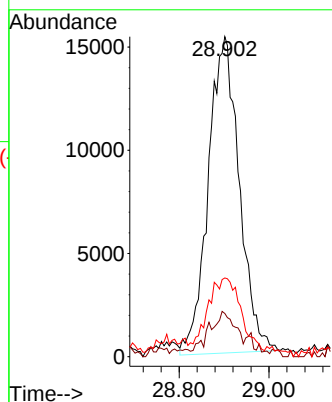
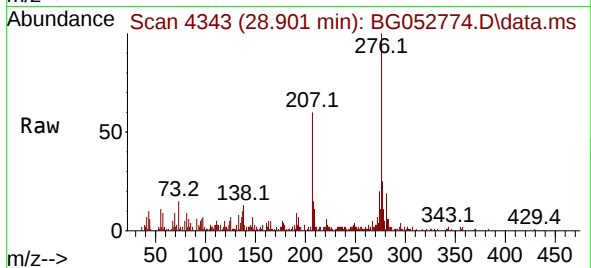
Tgt Ion:276 Resp: 73511

Ion Ratio Lower Upper

276 100

138 5.4 8.7 13.1#

277 24.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 7.273 ng

RT: 24.061 min Scan# 3519

Delta R.T. -0.019 min

Lab File: BG052774.D

Acq: 21 Mar 2022 19:07

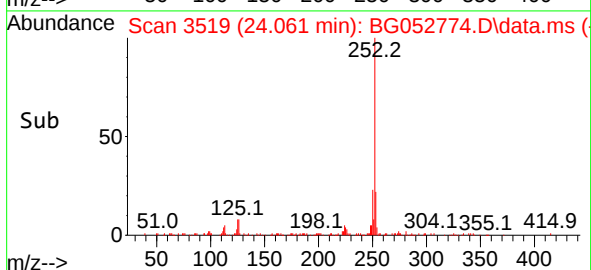
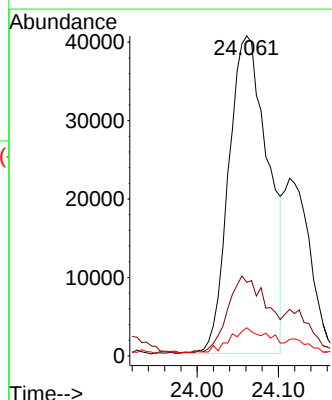
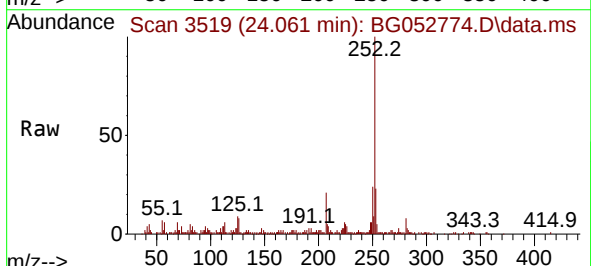
Tgt Ion:252 Resp: 136475

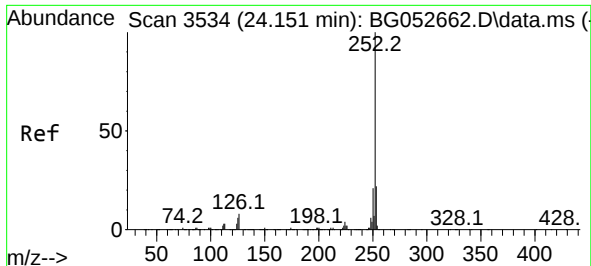
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 8.8 5.2 7.8#

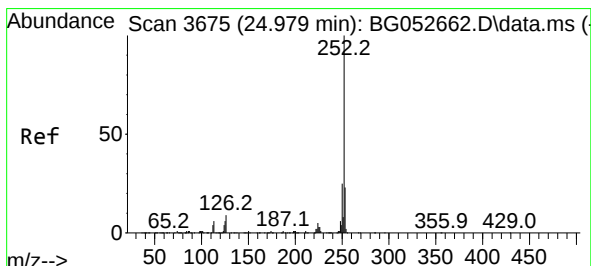
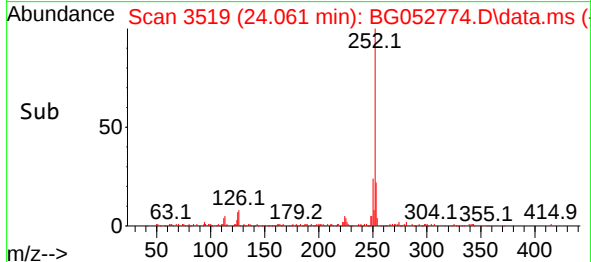
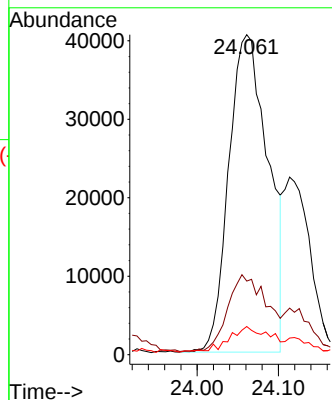
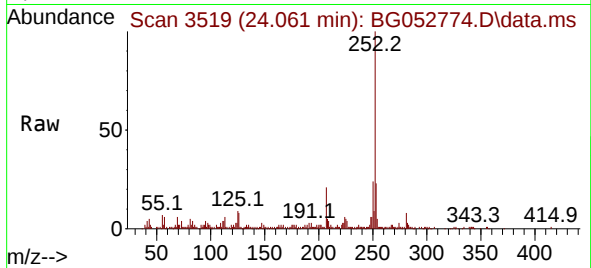




#89
Benzo(k)fluoranthene
Concen: 7.392 ng
RT: 24.061 min Scan# 31
Delta R.T. -0.090 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

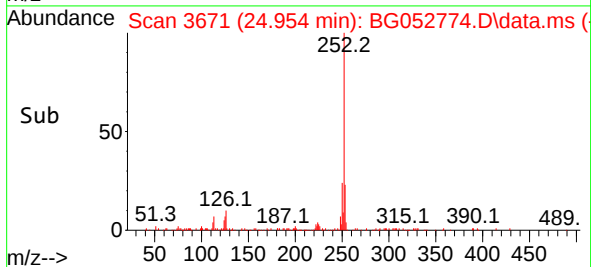
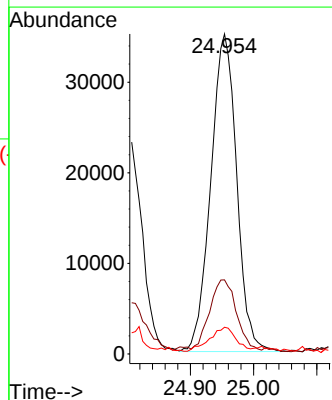
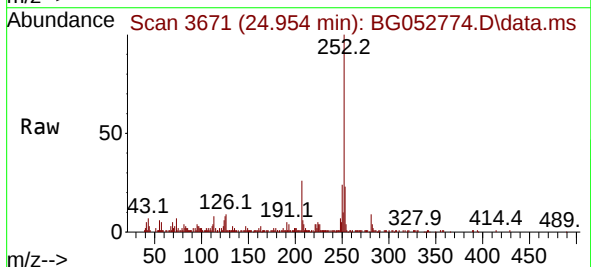
Instrument :
BNA_G
ClientSampleId :
SP1

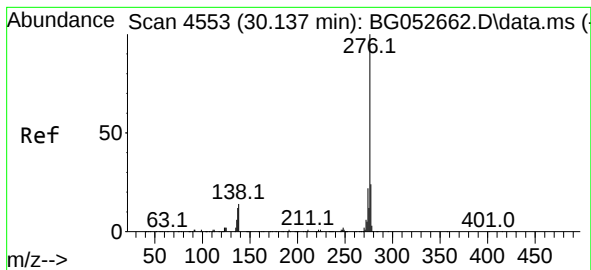
Tgt Ion:252 Resp: 136475
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 8.8 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 6.277 ng
RT: 24.954 min Scan# 3671
Delta R.T. -0.025 min
Lab File: BG052774.D
Acq: 21 Mar 2022 19:07

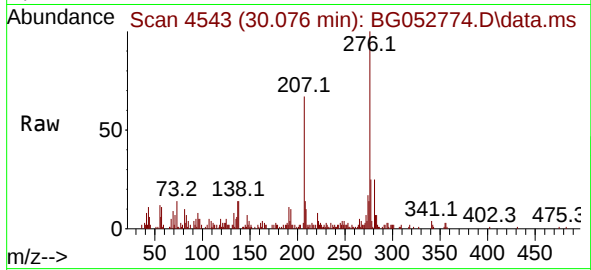
Tgt Ion:252 Resp: 99709
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 8.3 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.183 ng
 RT: 30.076 min Scan# 4
 Delta R.T. -0.060 min
 Lab File: BG052774.D
 Acq: 21 Mar 2022 19:07

Instrument :
 BNA_G
 ClientSampleId :
 SP1



Tgt Ion:276 Resp: 70552
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.2 27.2
 138 14.2 9.1 13.7#

