

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
 Data File : BG053208.D
 Acq On : 19 Apr 2022 23:07
 Operator : CG/JU
 Sample : N2367-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-041122

Quant Time: Apr 20 05:43:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

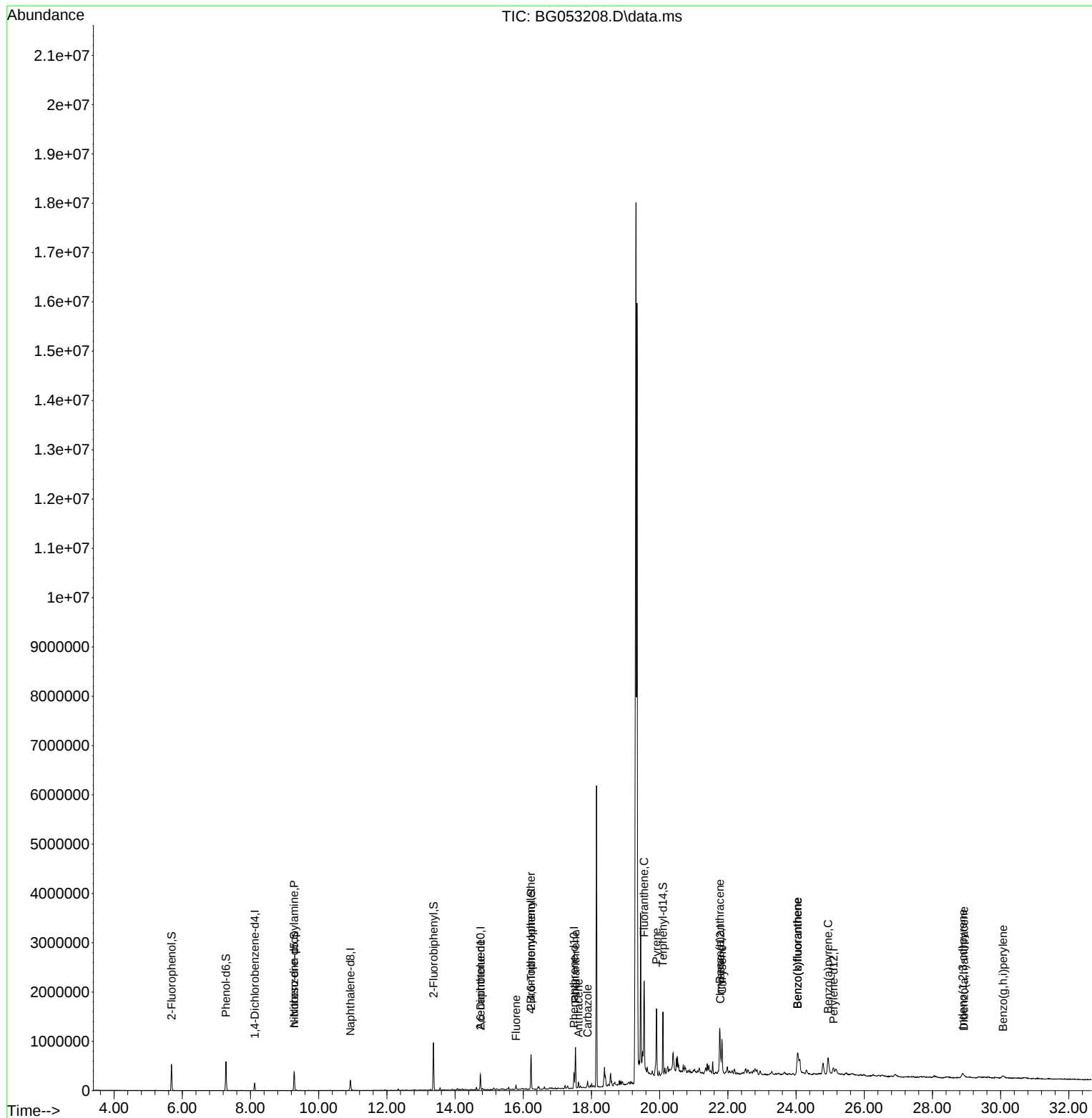
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.123	152	40261	20.000	ng	0.00
21) Naphthalene-d8	10.931	136	165737	20.000	ng	0.00
39) Acenaphthene-d10	14.743	164	110915	20.000	ng	0.00
64) Phenanthrene-d10	17.487	188	208264	20.000	ng	0.00
76) Chrysene-d12	21.781	240	180638	20.000	ng	0.00
86) Perylene-d12	25.100	264	146435	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	220838	94.026	ng	0.00
7) Phenol-d6	7.283	99	334815	92.441	ng	0.00
23) Nitrobenzene-d5	9.280	82	246996	60.511	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	140125	79.408	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	509073	63.288	ng	0.00
79) Terphenyl-d14	20.095	244	612548	57.271	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.280	70	36179	13.644	ng	# 76
51) 2,6-Dinitrotoluene	14.743	165	16046	8.670	ng	# 25
58) Fluorene	15.789	166	39338	4.598	ng	98
67) 4-Bromophenyl-phenylether	16.224	248	8706	3.262	ng	# 1
71) Phenanthrene	17.534	178	535677	47.089	ng	98
72) Anthracene	17.622	178	84594	7.506	ng	100
73) Carbazole	17.886	167	75924	6.931	ng	98
75) Fluoranthene	19.549	202	1142778	78.370	ng	97
78) Pyrene	19.907	202	958075	74.471	ng	99
81) Benzo(a)anthracene	21.763	228	587357	47.557	ng	98
83) Chrysene	21.828	228	539291	47.049	ng	95
87) Indeno(1,2,3-cd)pyrene	28.889	276	194942	17.919	ng	# 61
88) Benzo(b)fluoranthene	24.048	252	696675	75.404	ng	96
89) Benzo(k)fluoranthene	24.048	252	696675	76.723	ng	96
90) Benzo(a)pyrene	24.941	252	528202	67.108	ng	96
91) Dibenzo(a,h)anthracene	28.924	278	48167	5.379	ng	# 73
92) Benzo(g,h,i)perylene	30.075	276	150225	17.021	ng	# 93

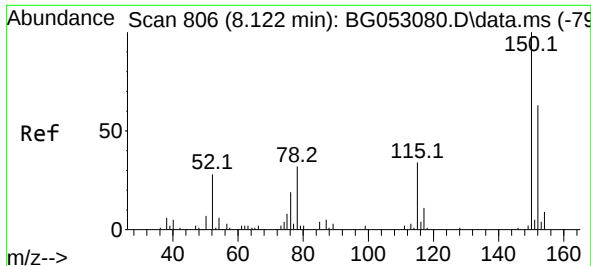
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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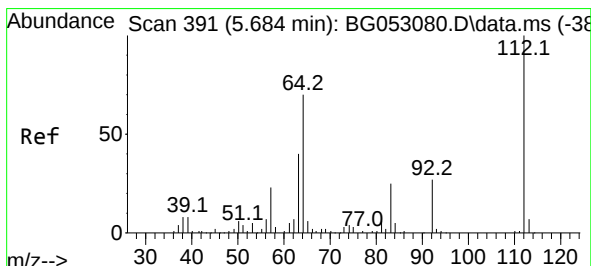
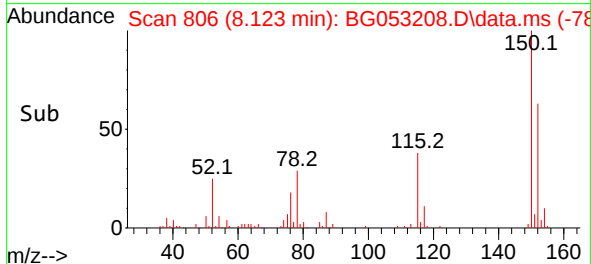
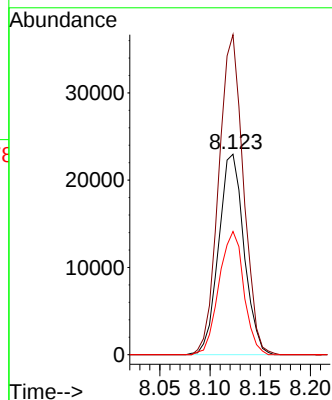
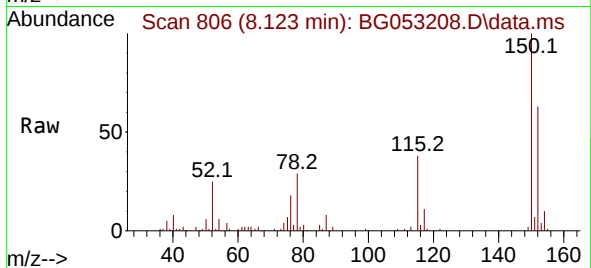




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.123 min Scan# 806
 Delta R.T. 0.001 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

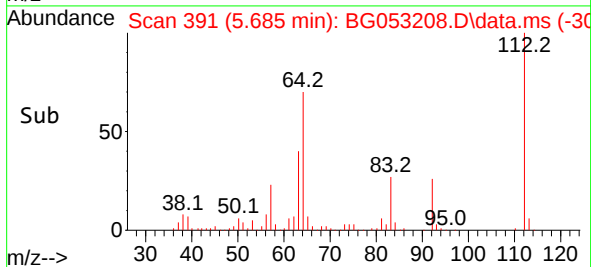
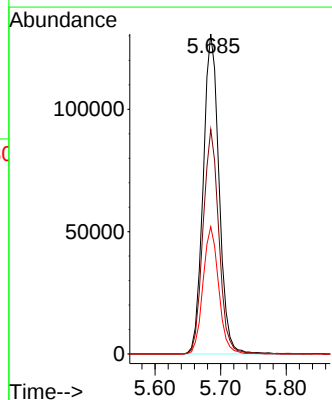
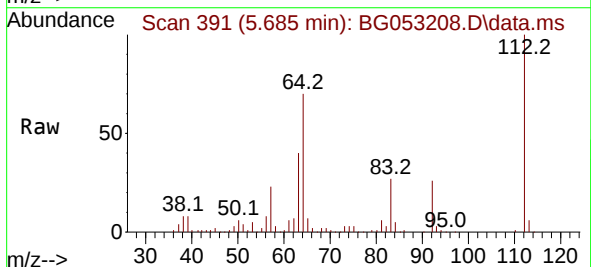
Instrument :
 BNA_G
 ClientSampleId :
 AU-05-041122

Tgt Ion:152 Resp: 40261
 Ion Ratio Lower Upper
 152 100
 150 159.6 114.6 172.0
 115 61.4 45.9 68.9



#5
 2-Fluorophenol
 Concen: 94.026 ng
 RT: 5.685 min Scan# 391
 Delta R.T. 0.001 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

Tgt Ion:112 Resp: 220838
 Ion Ratio Lower Upper
 112 100
 64 70.2 48.0 72.0
 63 39.8 26.5 39.7#

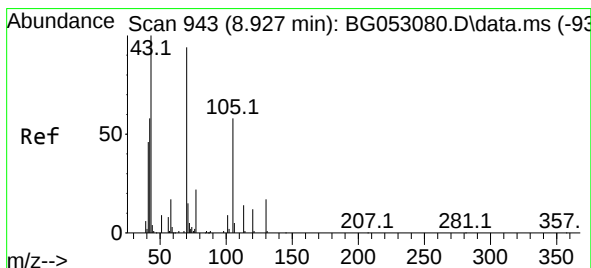
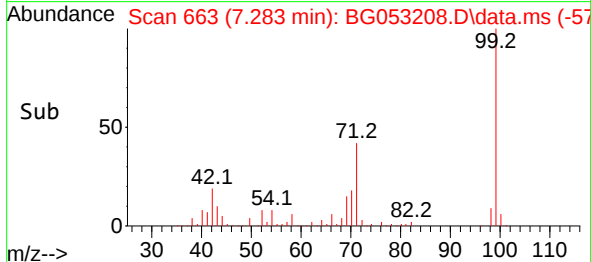
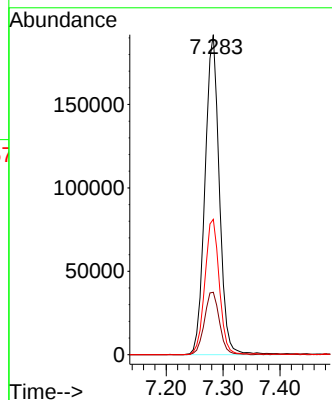
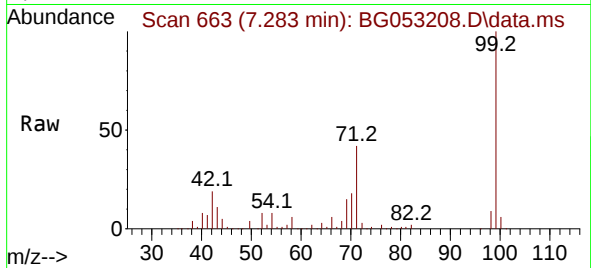




#7
Phenol-d6
Concen: 92.441 ng
RT: 7.283 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

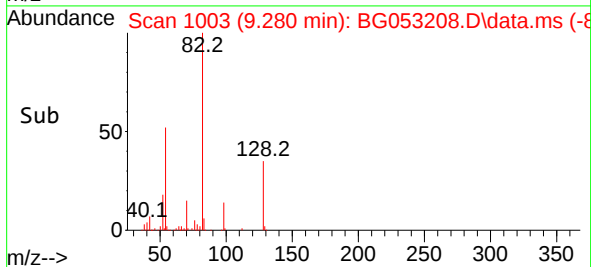
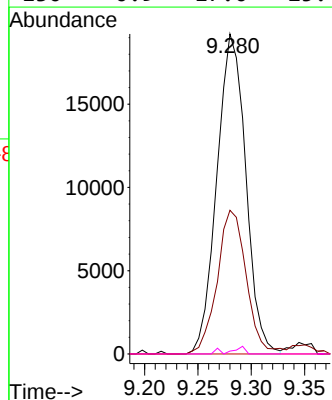
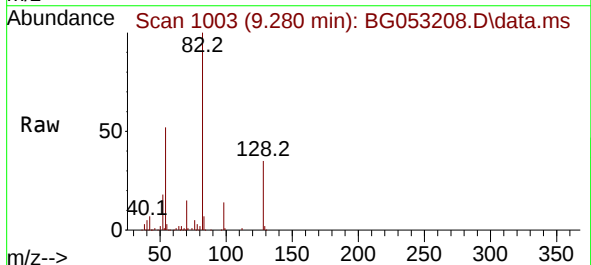
Instrument :
BNA_G
ClientSampleId :
AU-05-041122

Tgt Ion: 99 Resp: 334815
Ion Ratio Lower Upper
99 100
42 19.5 14.7 22.1
71 42.3 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.644 ng
RT: 9.280 min Scan# 1003
Delta R.T. 0.353 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion: 70 Resp: 36179
Ion Ratio Lower Upper
70 100
42 44.9 46.0 69.0#
101 0.0 6.2 9.4#
130 0.9 17.0 25.4#

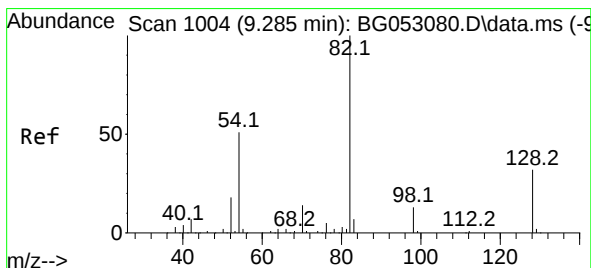
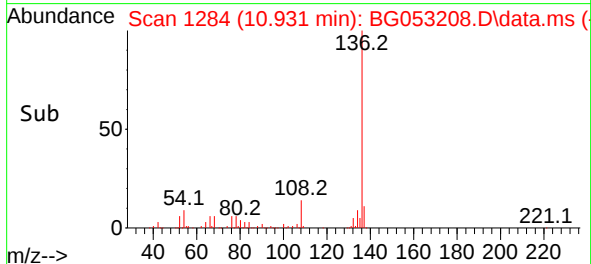
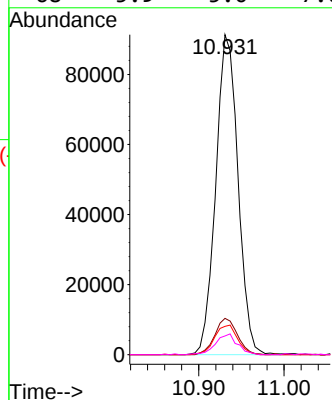
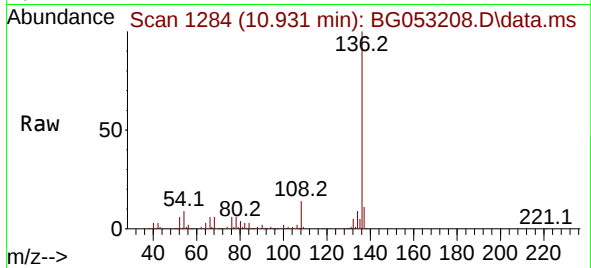




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.931 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

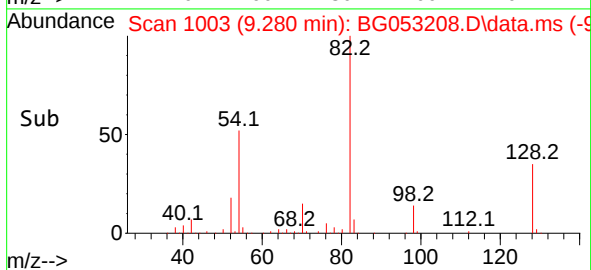
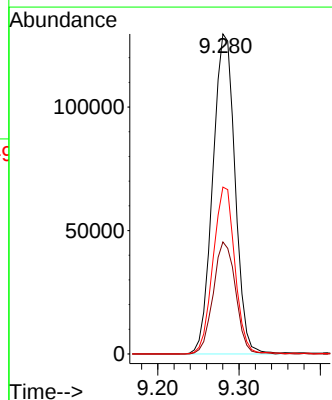
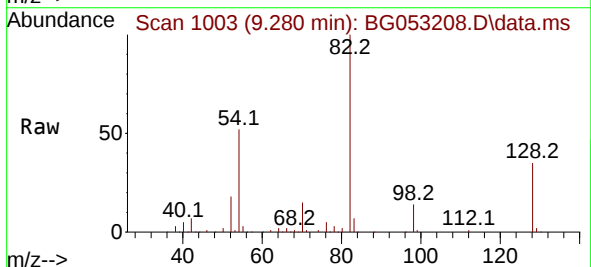
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BNA_G
ClientSampleId :
AU-05-041122

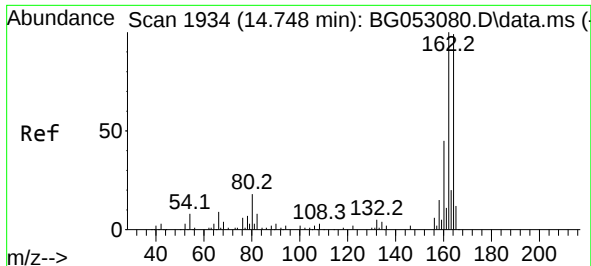
Tgt Ion:136 Resp: 165737
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 8.9 6.4 9.6
68 5.9 5.0 7.6



#23
Nitrobenzene-d5
Concen: 60.511 ng
RT: 9.280 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion: 82 Resp: 246996
Ion Ratio Lower Upper
82 100
128 35.0 31.3 46.9
54 52.1 37.8 56.8

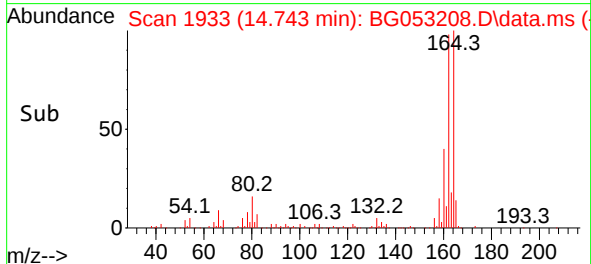
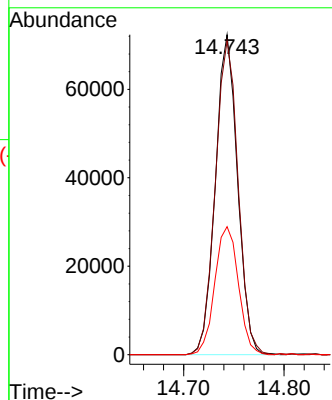
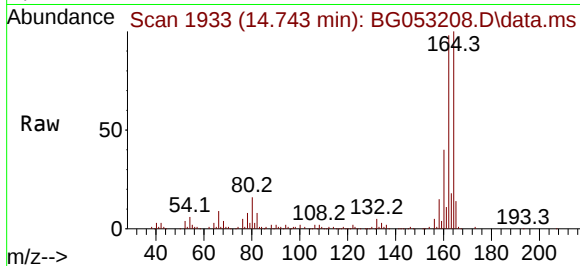




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.743 min Scan# 1933
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

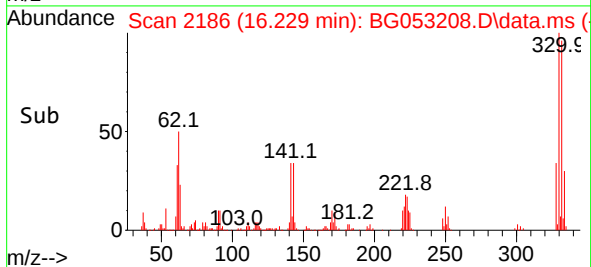
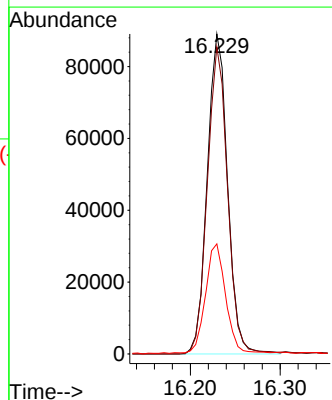
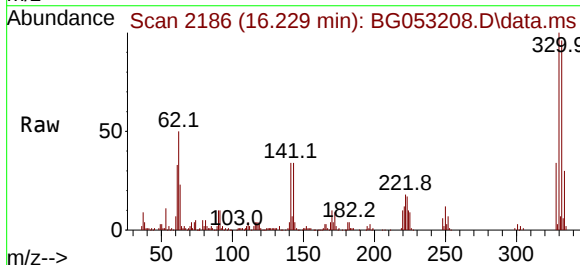
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ClientSampleId :
AU-05-041122

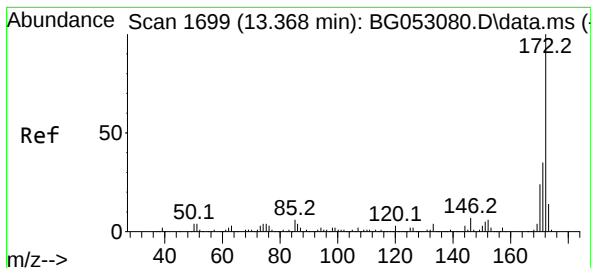
Tgt Ion:164 Resp: 110915
Ion Ratio Lower Upper
164 100
162 98.0 80.0 120.0
160 40.0 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 79.408 ng
RT: 16.229 min Scan# 2186
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:330 Resp: 140125
Ion Ratio Lower Upper
330 100
332 95.3 75.8 113.6
141 35.0 24.6 36.8

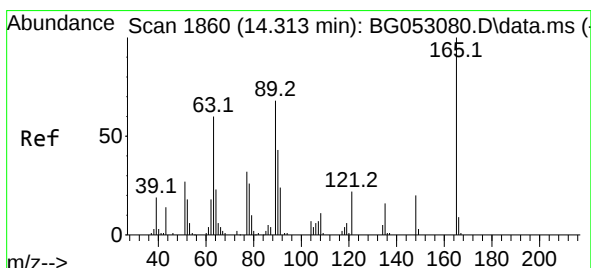
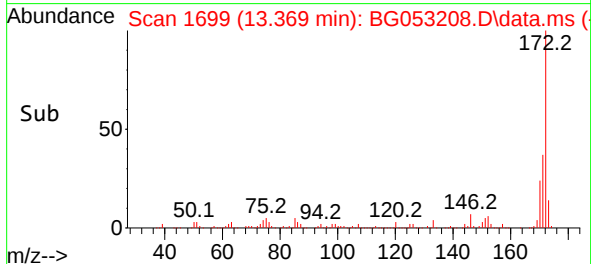
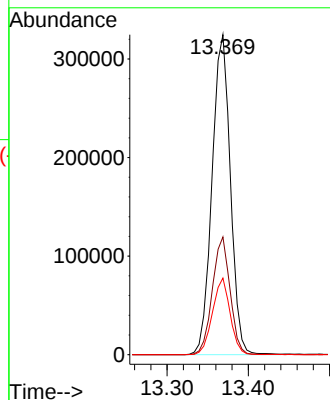
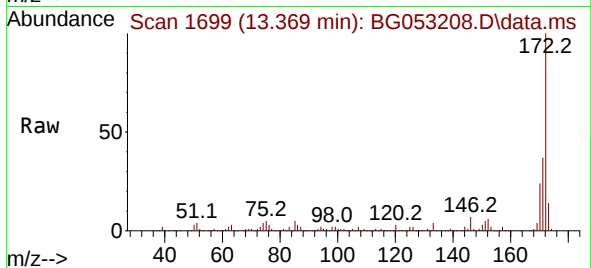




#45
2-Fluorobiphenyl
Concen: 63.288 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

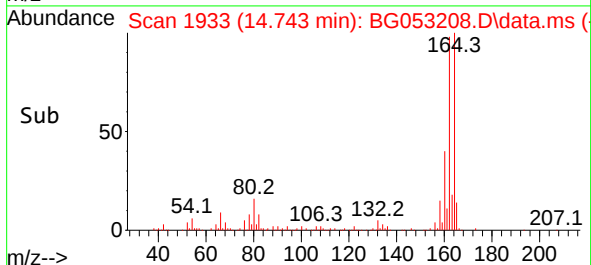
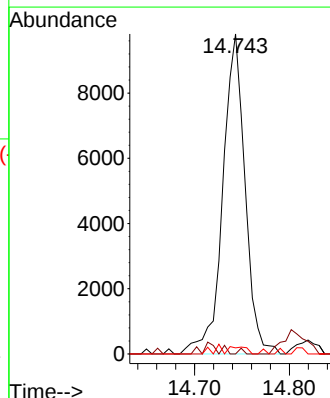
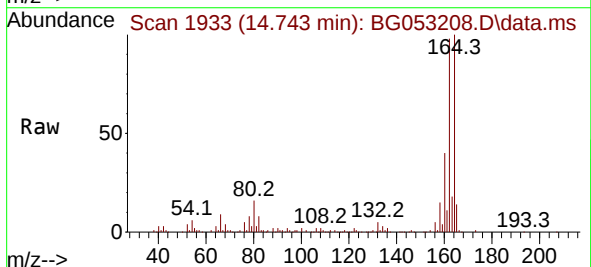
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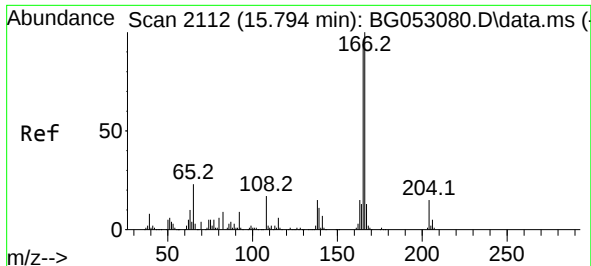
Tgt Ion:172 Resp: 509073
Ion Ratio Lower Upper
172 100
171 36.8 28.3 42.5
170 24.0 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.670 ng
RT: 14.743 min Scan# 1933
Delta R.T. 0.430 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:165 Resp: 16046
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 1.9 45.0 67.4#

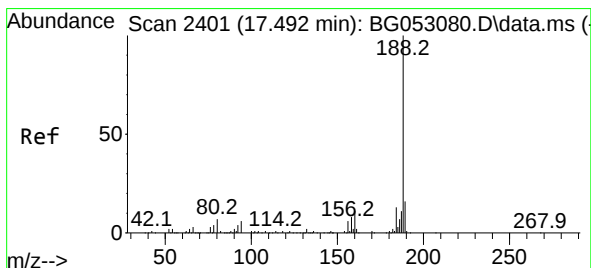
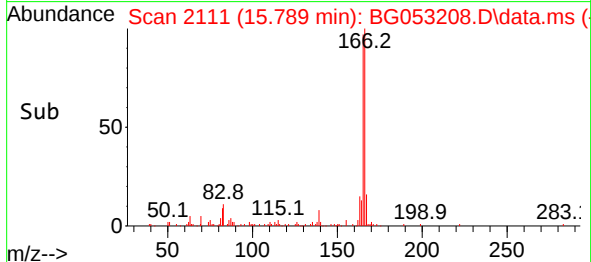
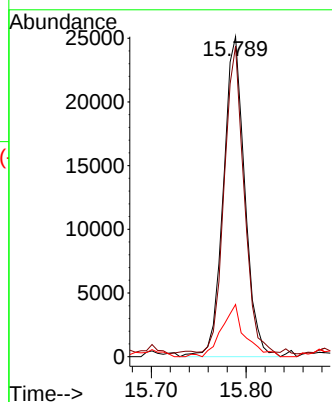
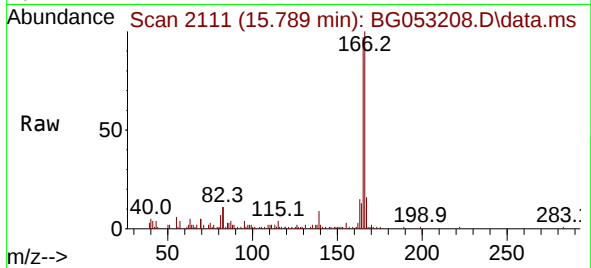




#58
Fluorene
Concen: 4.598 ng
RT: 15.789 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

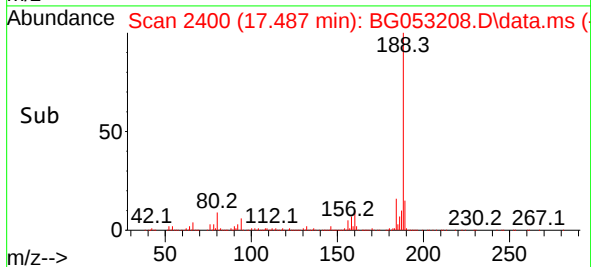
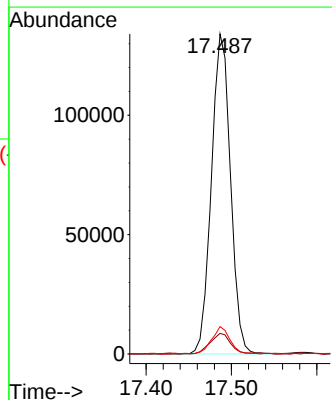
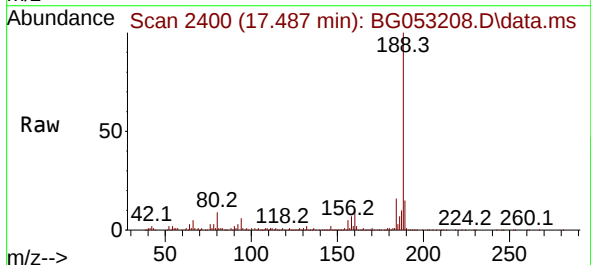
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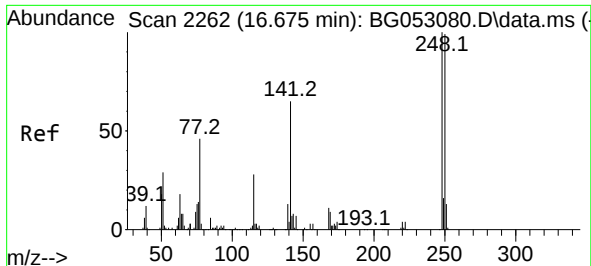
Tgt Ion:166 Resp: 39338
Ion Ratio Lower Upper
166 100
165 97.1 78.6 117.8
167 16.3 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.487 min Scan# 2400
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:188 Resp: 208264
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 8.6 7.2 10.8

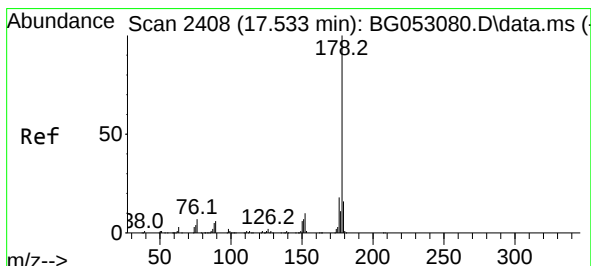
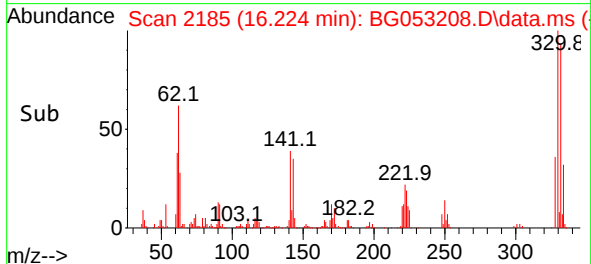
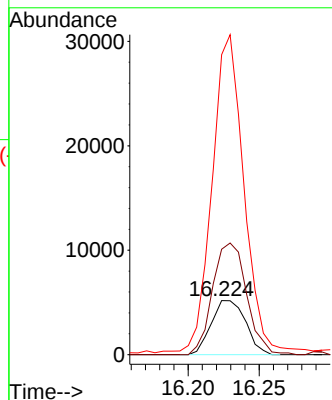
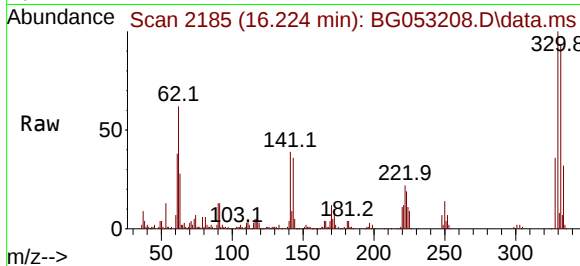




#67
4-Bromophenyl-phenylether
Concen: 3.262 ng
RT: 16.224 min Scan# 2185
Delta R.T. -0.451 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

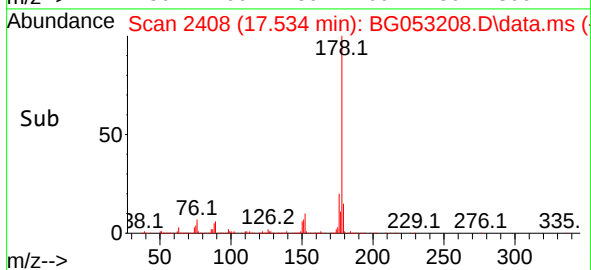
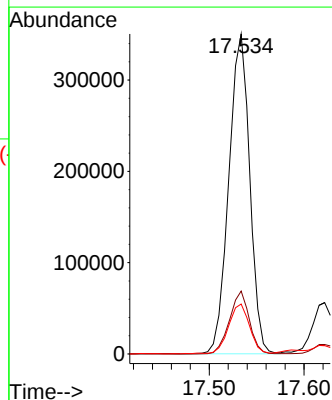
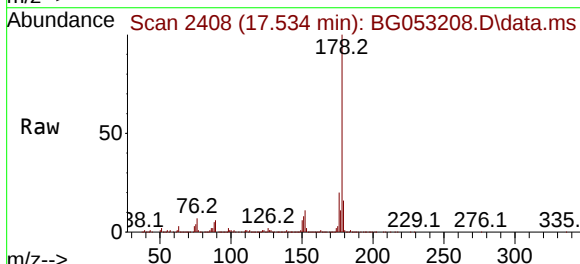
Instrument :
BNA_G
ClientSampleId :
AU-05-041122

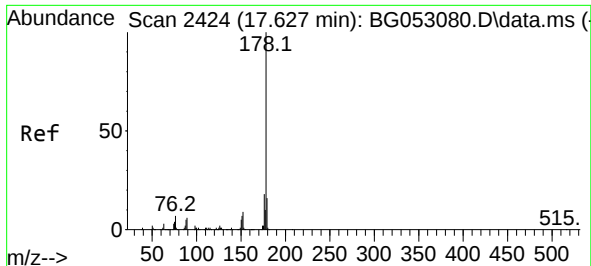
Tgt Ion:248 Resp: 8706
Ion Ratio Lower Upper
248 100
250 195.2 77.9 116.9#
141 555.0 49.2 73.8#



#71
Phenanthrene
Concen: 47.089 ng
RT: 17.534 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:178 Resp: 535677
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.6 13.4 20.2

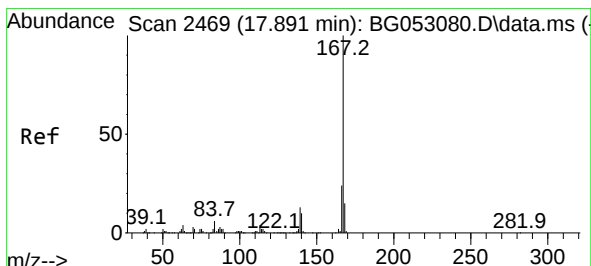
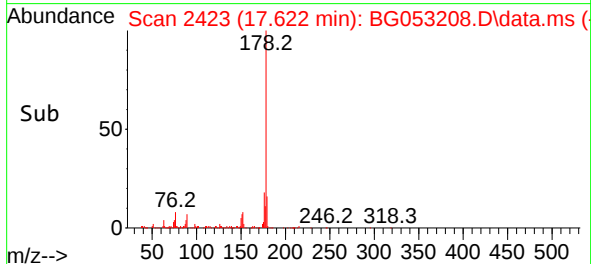
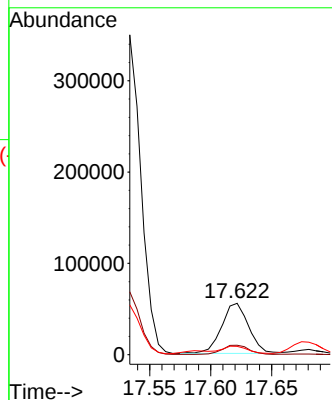
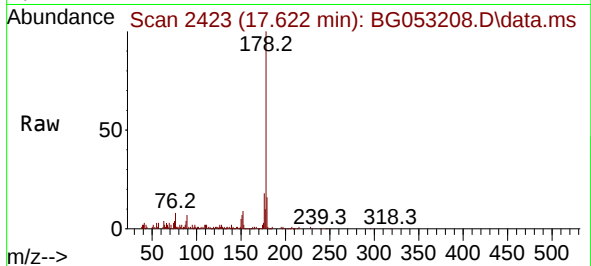




#72
 Anthracene
 Concen: 7.506 ng
 RT: 17.622 min Scan# 2424
 Delta R.T. -0.005 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

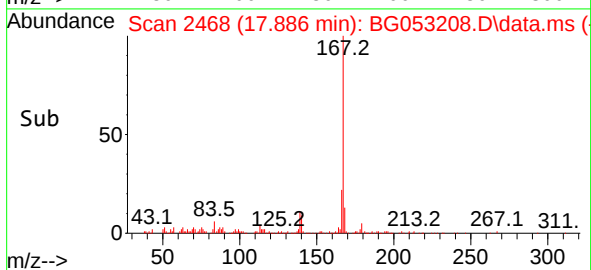
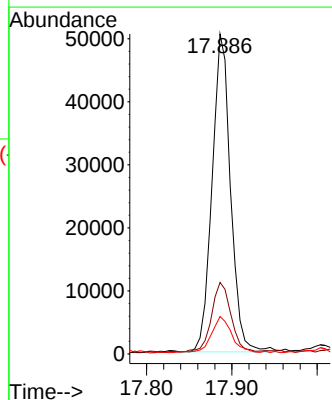
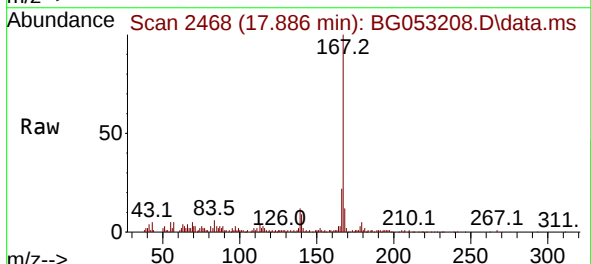
Instrument :
 BNA_G
 ClientSampleId :
 AU-05-041122

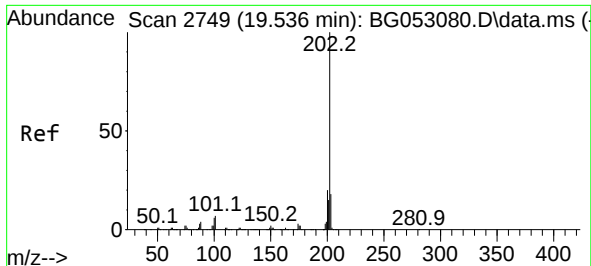
Tgt Ion:178 Resp: 84594
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 16.2 13.2 19.8



#73
 Carbazole
 Concen: 6.931 ng
 RT: 17.886 min Scan# 2468
 Delta R.T. -0.005 min
 Lab File: BG053208.D
 Acq: 19 Apr 2022 23:07

Tgt Ion:167 Resp: 75924
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.5 27.7
 139 11.7 10.0 15.0

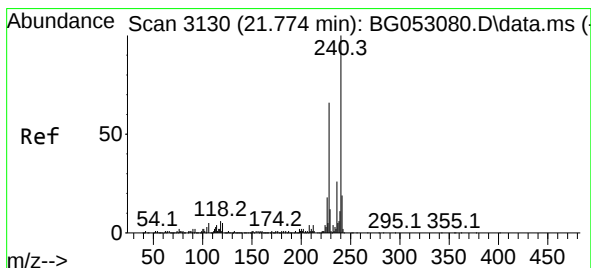
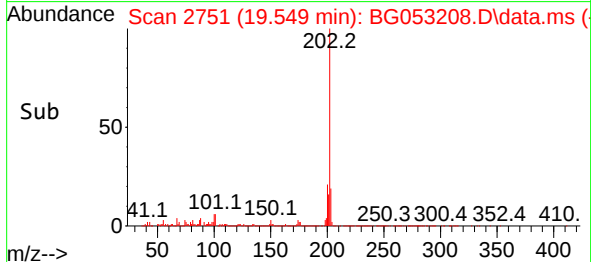
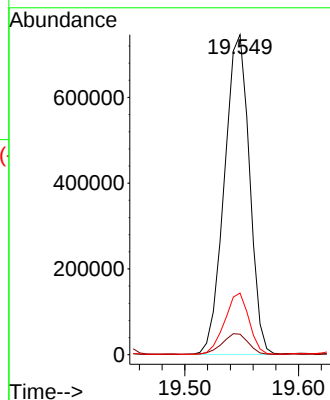
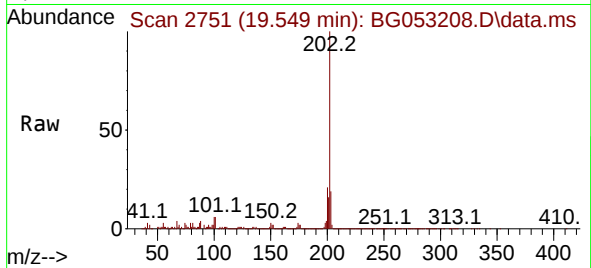




#75
Fluoranthene
Concen: 78.370 ng
RT: 19.549 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

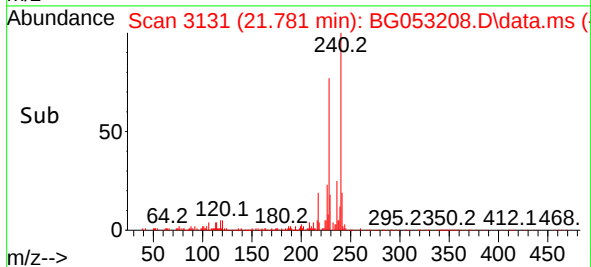
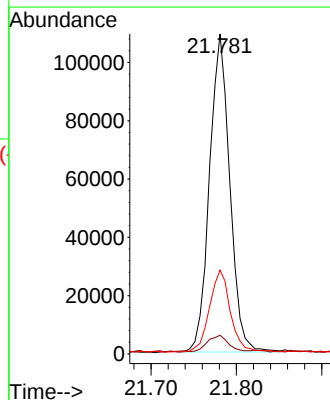
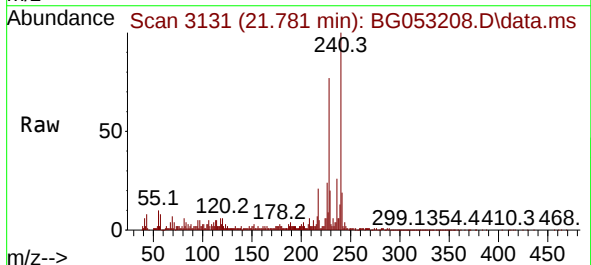
Instrument :
BNA_G
ClientSampleId :
AU-05-041122

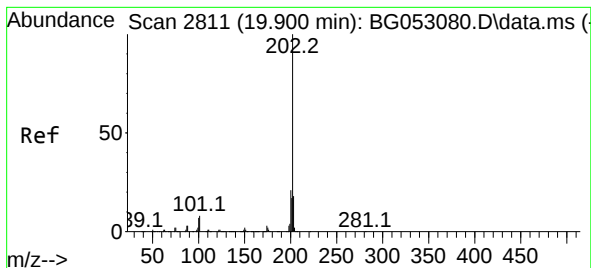
Tgt Ion:202 Resp: 1142778
Ion Ratio Lower Upper
202 100
101 6.4 0.0 27.3
203 19.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3131
Delta R.T. 0.007 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:240 Resp: 180638
Ion Ratio Lower Upper
240 100
120 5.9 5.4 8.0
236 26.2 19.8 29.6





#78

Pyrene

Concen: 74.471 ng

RT: 19.907 min Scan# 2812

Delta R.T. 0.007 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

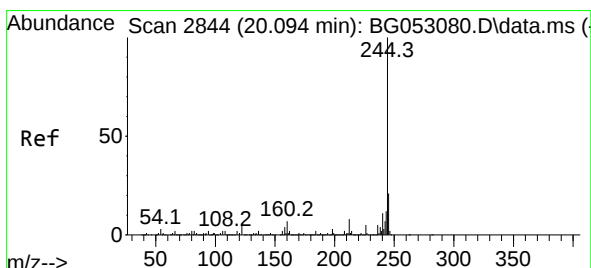
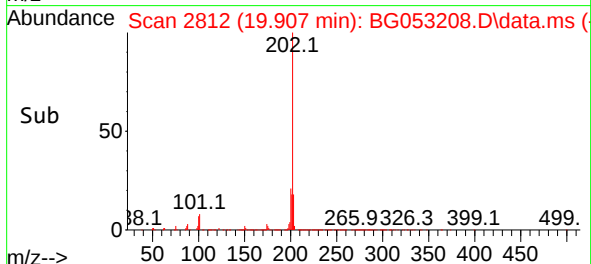
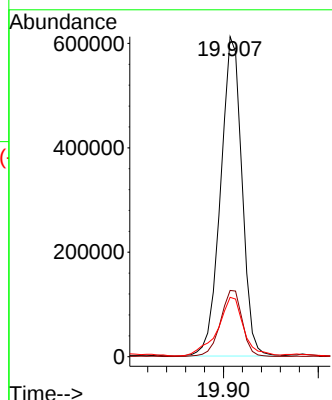
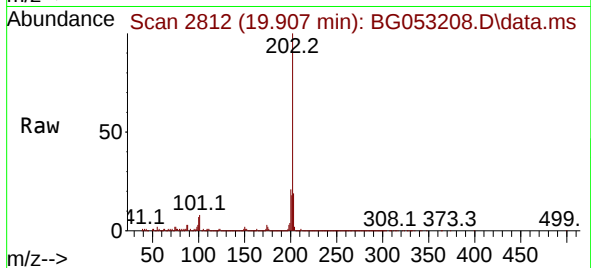
Tgt Ion:202 Resp: 958075

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 18.6 15.0 22.6



#79

Terphenyl-d14

Concen: 57.271 ng

RT: 20.095 min Scan# 2844

Delta R.T. 0.001 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

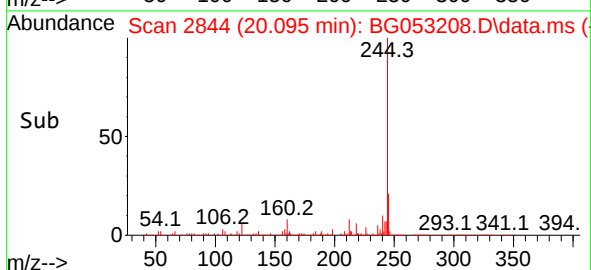
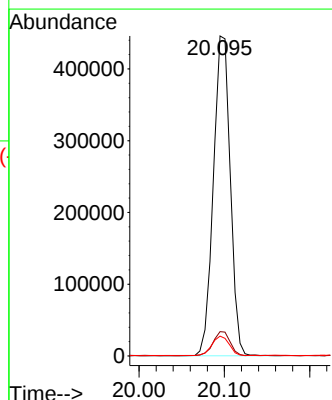
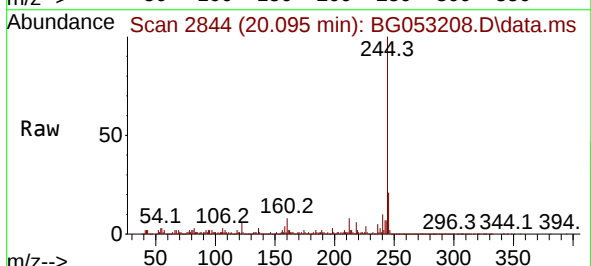
Tgt Ion:244 Resp: 612548

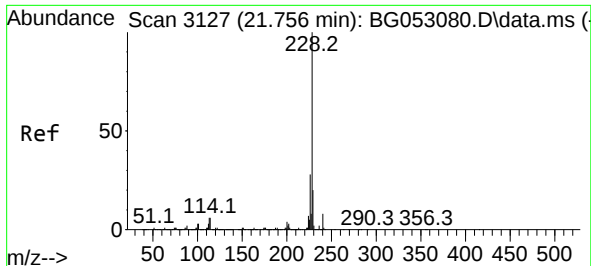
Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.2

122 6.2 5.8 8.6

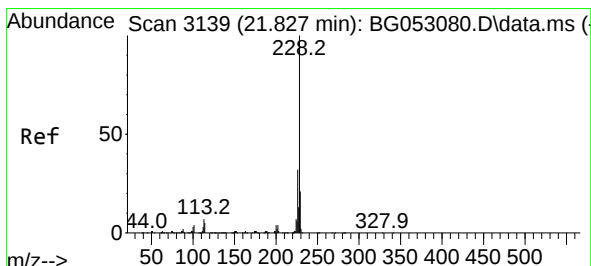
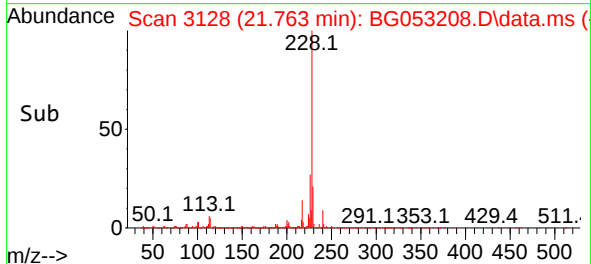
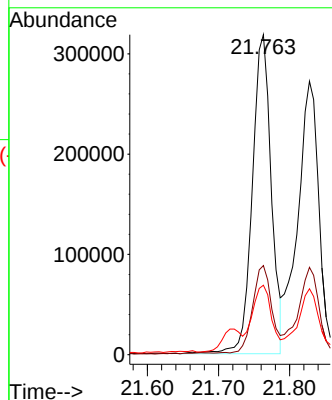
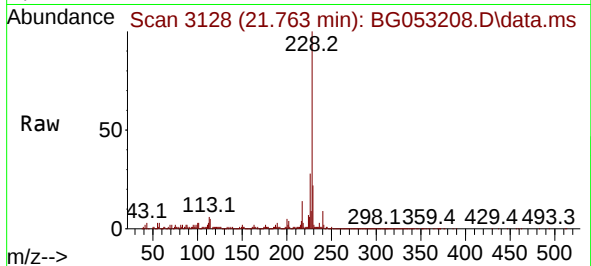




#81
Benzo(a)anthracene
Concen: 47.557 ng
RT: 21.763 min Scan# 3127
Delta R.T. 0.007 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

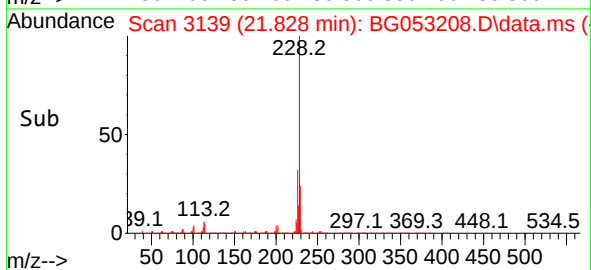
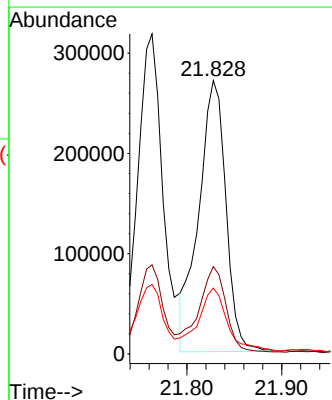
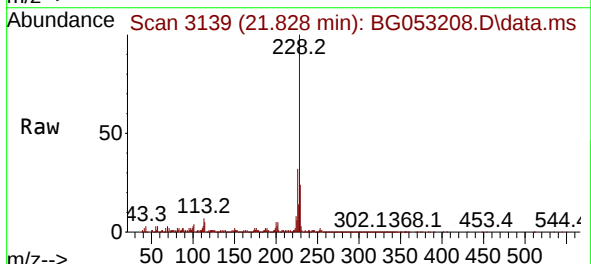
Instrument :
BNA_G
ClientSampleId :
AU-05-041122

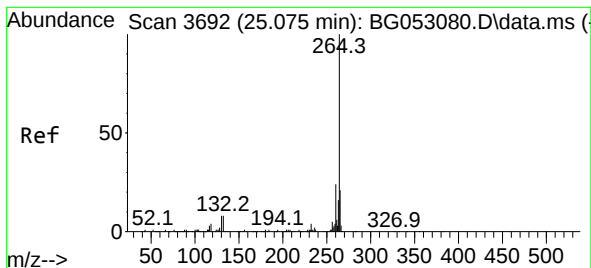
Tgt Ion:228 Resp: 587357
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 21.7 16.7 25.1



#83
Chrysene
Concen: 47.049 ng
RT: 21.828 min Scan# 3139
Delta R.T. 0.001 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:228 Resp: 539291
Ion Ratio Lower Upper
228 100
226 32.0 24.2 36.4
229 24.1 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.100 min Scan# 3

Delta R.T. 0.024 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

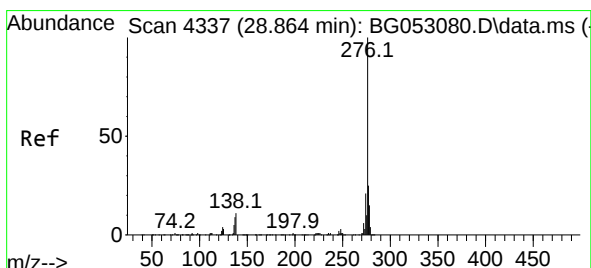
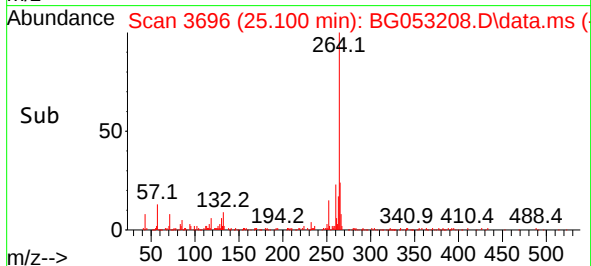
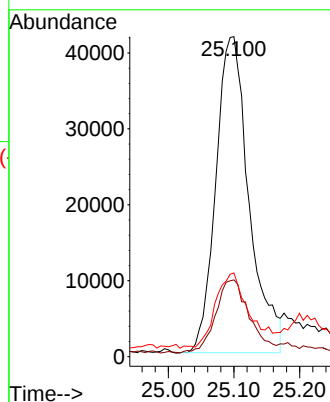
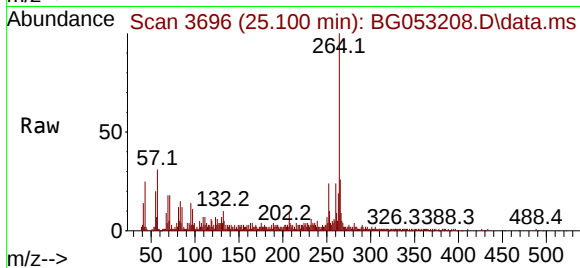
Tgt Ion:264 Resp: 146435

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

265 26.2 15.1 22.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.919 ng

RT: 28.889 min Scan# 4341

Delta R.T. 0.024 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

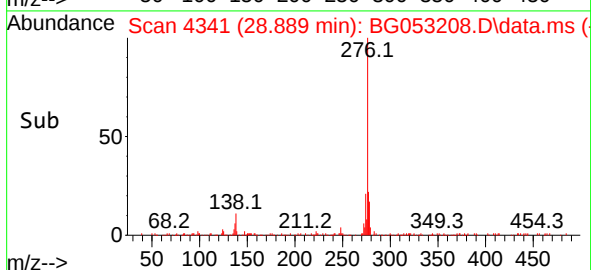
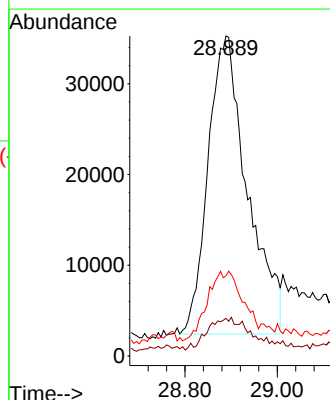
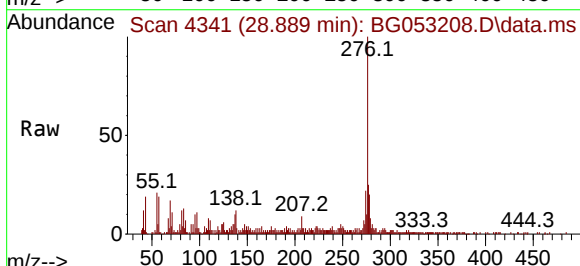
Tgt Ion:276 Resp: 194942

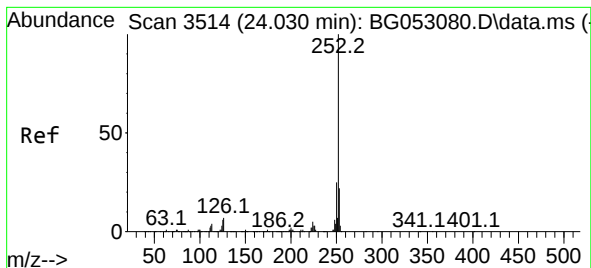
Ion Ratio Lower Upper

276 100

138 6.5 8.7 13.1#

277 0.0 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 75.404 ng

RT: 24.048 min Scan# 3517

Delta R.T. 0.019 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122

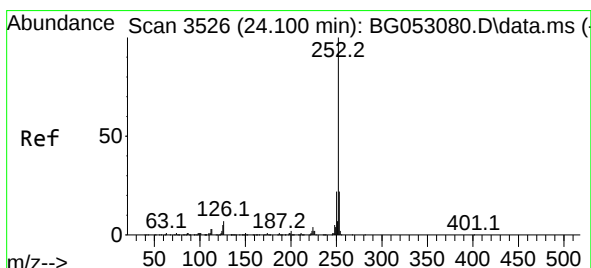
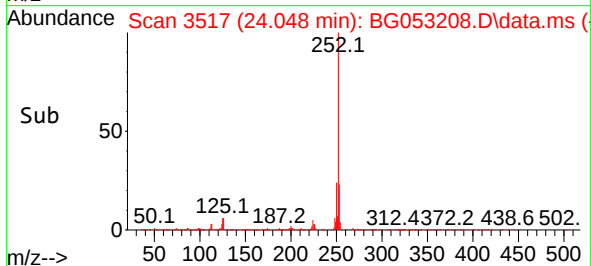
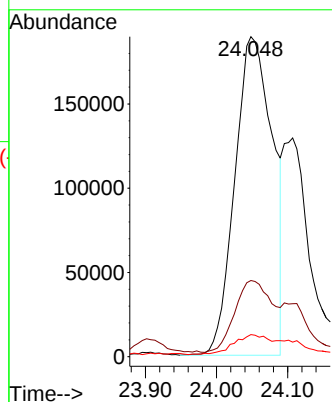
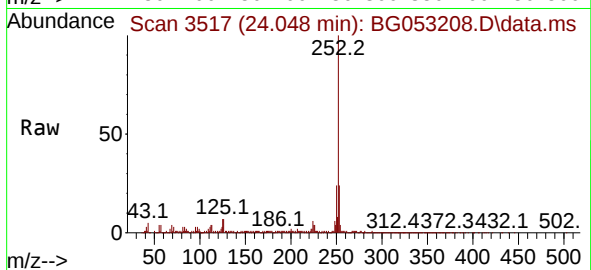
Tgt Ion:252 Resp: 696675

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 6.9 5.2 7.8



#89

Benzo(k)fluoranthene

Concen: 76.723 ng

RT: 24.048 min Scan# 3517

Delta R.T. -0.052 min

Lab File: BG053208.D

Acq: 19 Apr 2022 23:07

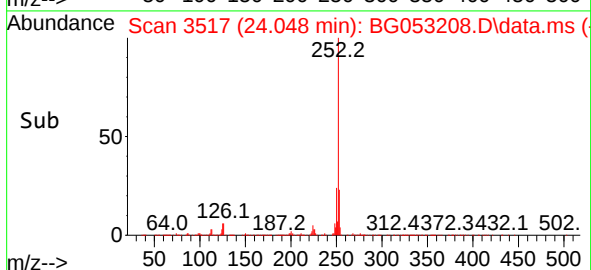
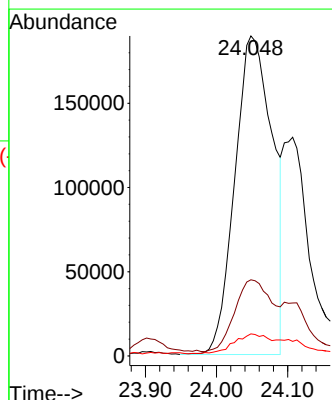
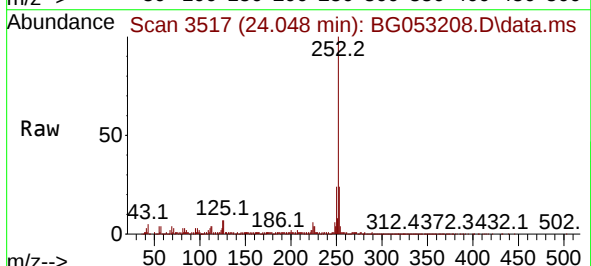
Tgt Ion:252 Resp: 696675

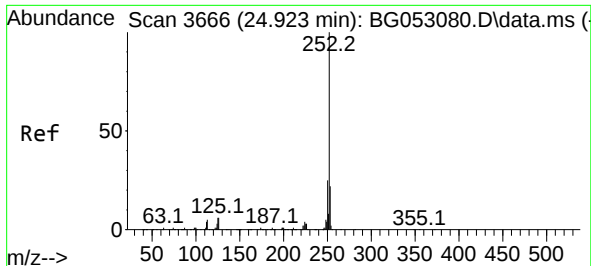
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 6.9 5.0 7.4

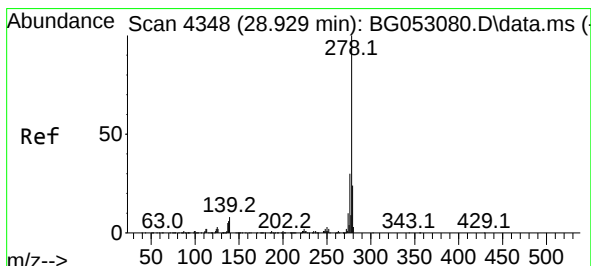
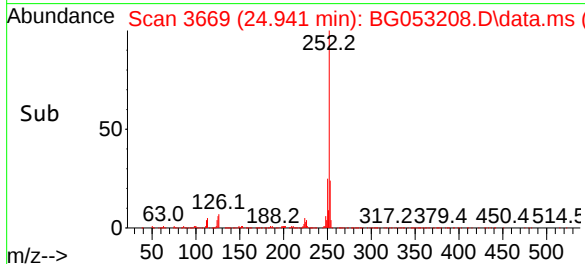
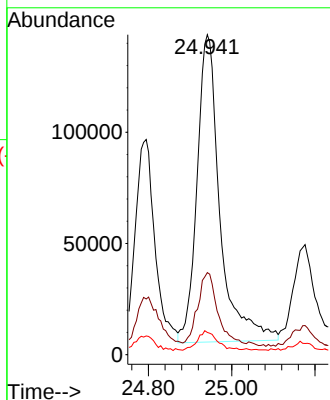
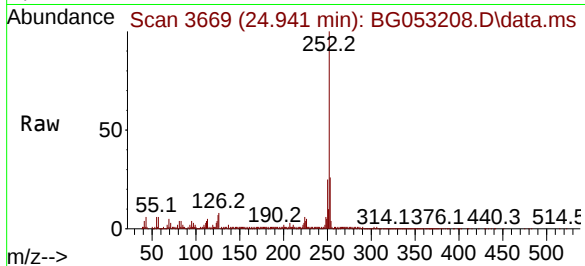




#90
Benzo(a)pyrene
Concen: 67.108 ng
RT: 24.941 min Scan# 3669
Delta R.T. 0.019 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

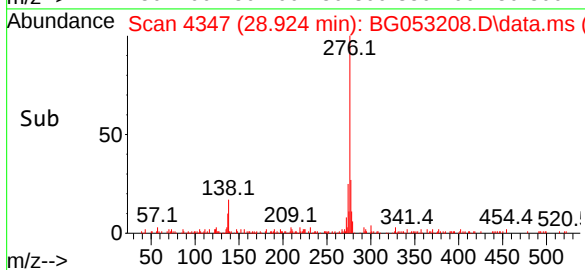
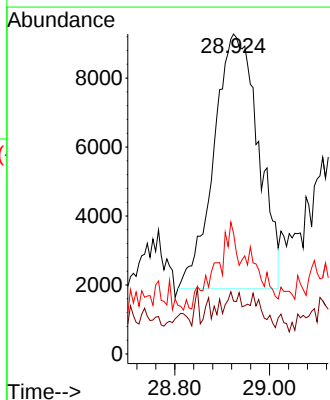
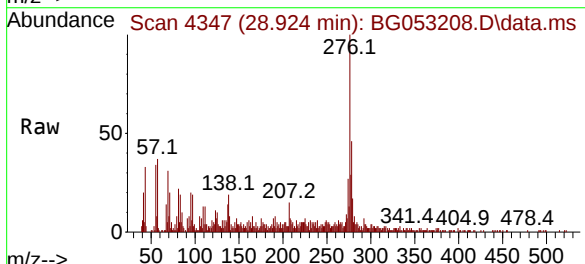
Instrument :
BNA_G
ClientSampleId :
AU-05-041122

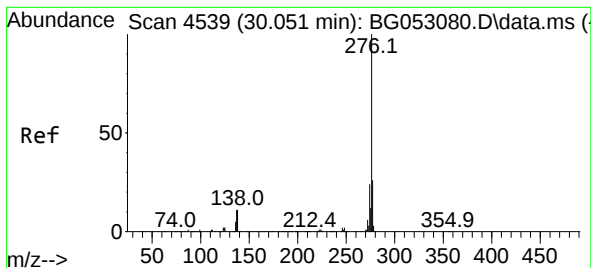
Tgt Ion:252 Resp: 528202
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 7.0 5.6 8.4



#91
Dibenzo(a,h)anthracene
Concen: 5.379 ng
RT: 28.924 min Scan# 4347
Delta R.T. -0.005 min
Lab File: BG053208.D
Acq: 19 Apr 2022 23:07

Tgt Ion:278 Resp: 48167
Ion Ratio Lower Upper
278 100
139 16.5 7.8 11.6#
279 37.7 18.5 27.7#





#92

Benzo(g,h,i)perylene

Concen: 17.021 ng

RT: 30.075 min Scan# 4

Delta R.T. 0.024 min

Lab File: BG053208.D

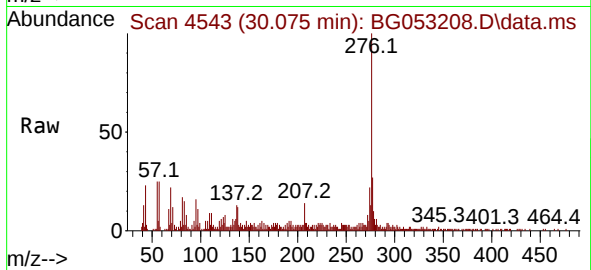
Acq: 19 Apr 2022 23:07

Instrument :

BNA_G

ClientSampleId :

AU-05-041122



Tgt Ion:276 Resp: 150225

Ion Ratio Lower Upper

276 100

277 27.5 18.2 27.2#

138 11.7 9.1 13.7

