

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
 Data File : BG056593.D
 Acq On : 8 Feb 2023 22:45
 Operator : CG/JU
 Sample : 01481-15 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723

Quant Time: Feb 09 02:09:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

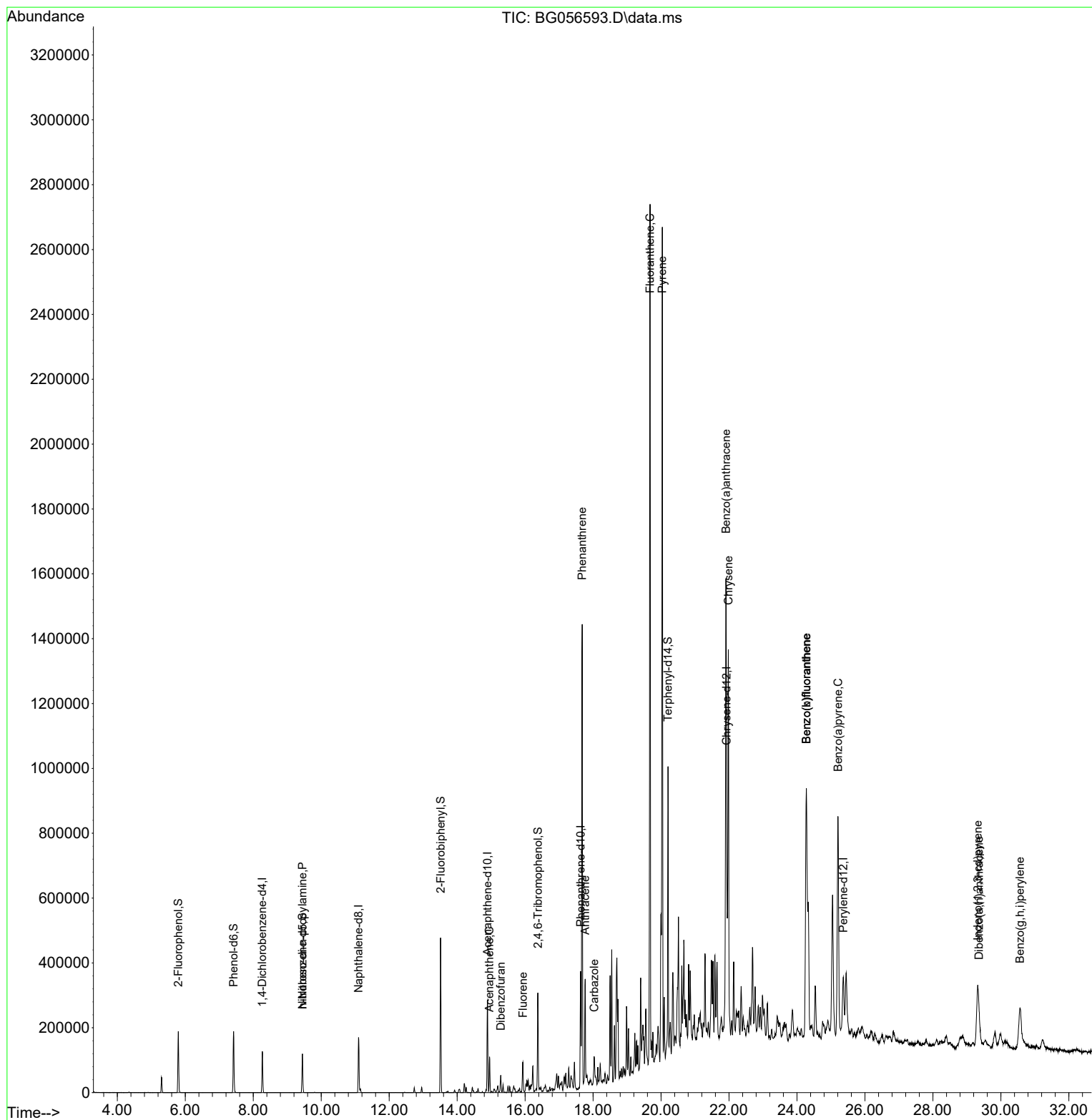
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	43140	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	163079	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	114713	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	256902	20.000	ng	0.00
76) Chrysene-d12	21.927	240	239149	20.000	ng	0.00
86) Perylene-d12	25.364	264	248797	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	114115	48.661	ng	0.00
7) Phenol-d6	7.421	99	154645	44.506	ng	0.00
23) Nitrobenzene-d5	9.448	82	84671	29.483	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	60668	39.781	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	271286	32.788	ng	0.00
79) Terphenyl-d14	20.206	244	420962	30.916	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.415	77	266	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.448	70	11074	5.530	ng	# 71
52) Acenaphthene	14.953	154	43068	6.864	ng	99
55) Dibenzofuran	15.282	168	28956	2.573	ng	95
58) Fluorene	15.934	166	45843	5.120	ng	97
71) Phenanthrene	17.679	178	990204	73.644	ng	99
72) Anthracene	17.767	178	239829	17.376	ng	99
73) Carbazole	18.032	167	50372	4.285	ng	96
75) Fluoranthene	19.677	202	1806638	106.460	ng	97
78) Pyrene	20.035	202	1759454	103.444	ng	96
81) Benzo(a)anthracene	21.910	228	1013168	60.599	ng	98
83) Chrysene	21.980	228	914554	58.224	ng	98
87) Indeno(1,2,3-cd)pyrene	29.319	276	417798	22.940	ng	# 92
88) Benzo(b)fluoranthene	24.277	252	1194388	77.344	ng	98
89) Benzo(k)fluoranthene	24.277	252	1194388	76.606	ng	97
90) Benzo(a)pyrene	25.206	252	922370	60.635	ng	99
91) Dibenzo(a,h)anthracene	29.354	278	106818	6.987	ng	# 91
92) Benzo(g,h,i)perylene	30.564	276	361514	24.508	ng	97

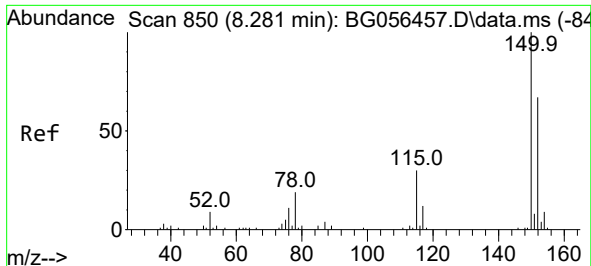
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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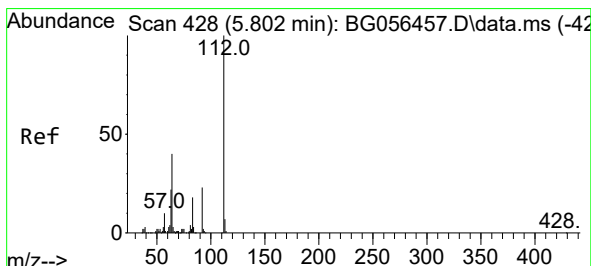
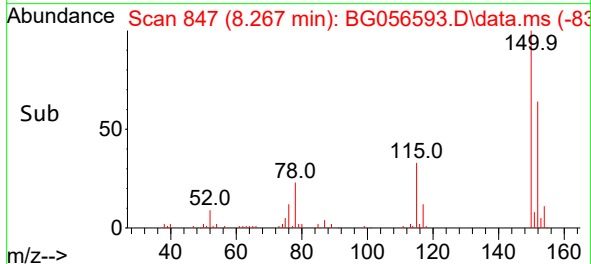
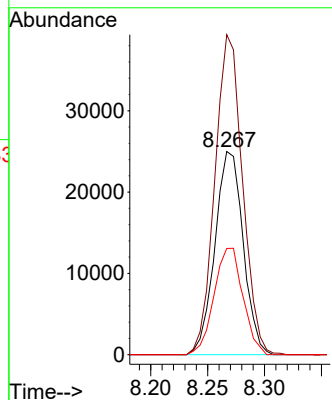
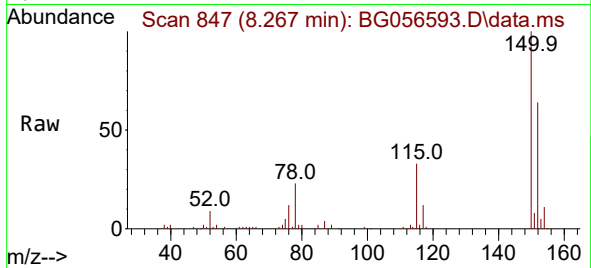




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

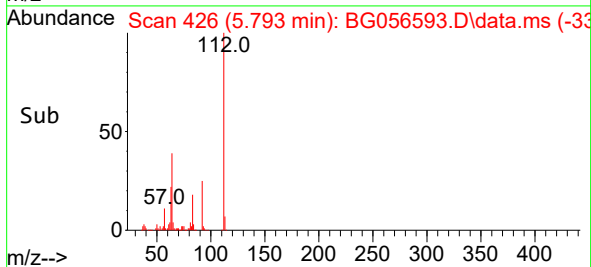
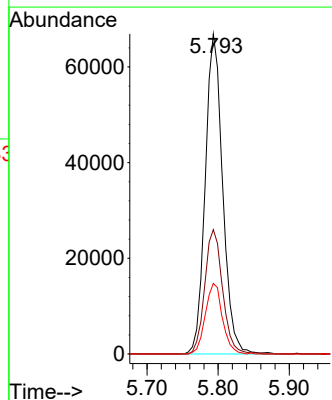
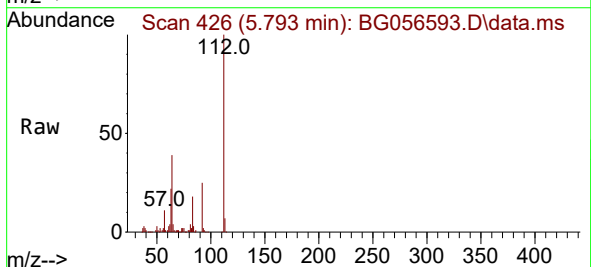
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

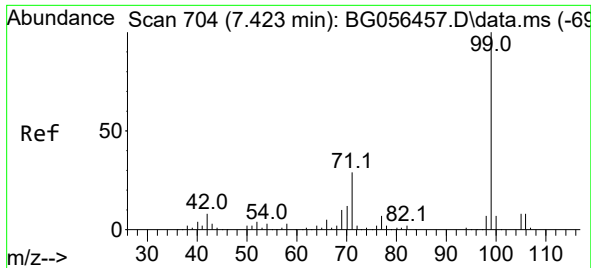
Tgt Ion:152 Resp: 43140
Ion Ratio Lower Upper
152 100
150 157.4 120.2 180.4
115 52.3 36.3 54.5



#5
2-Fluorophenol
Concen: 48.661 ng
RT: 5.793 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion:112 Resp: 114115
Ion Ratio Lower Upper
112 100
64 38.8 31.9 47.9
63 22.1 17.4 26.0

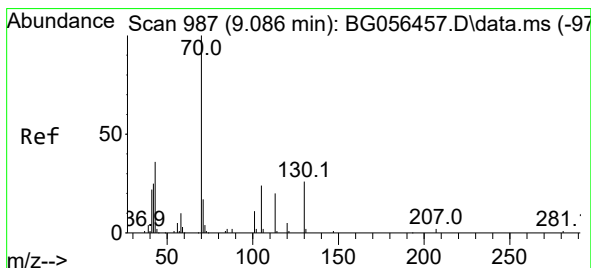
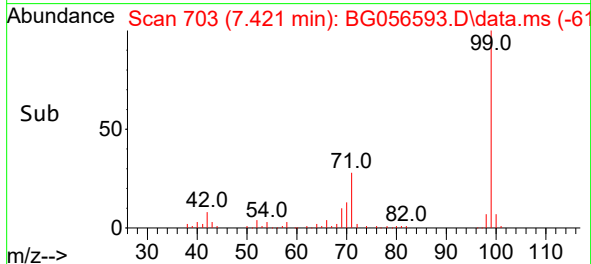
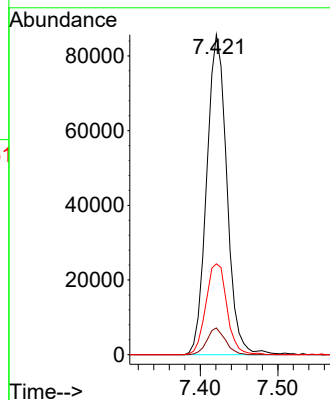
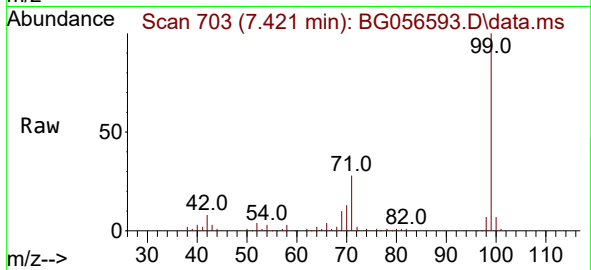




#7
Phenol-d6
Concen: 44.506 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

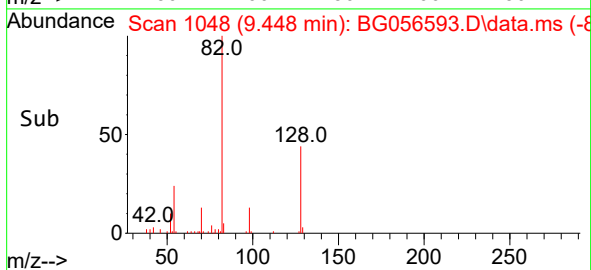
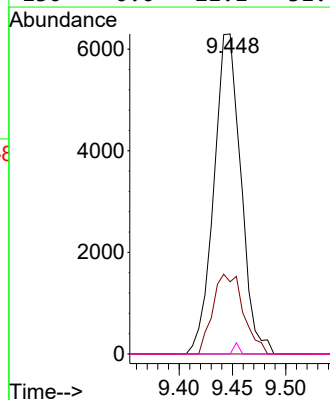
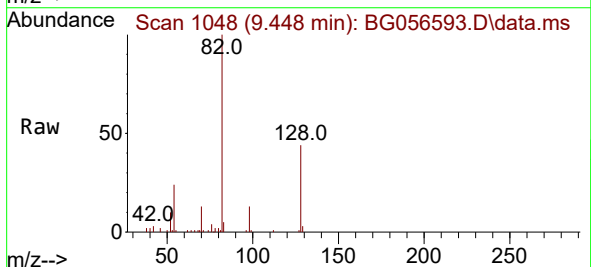
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

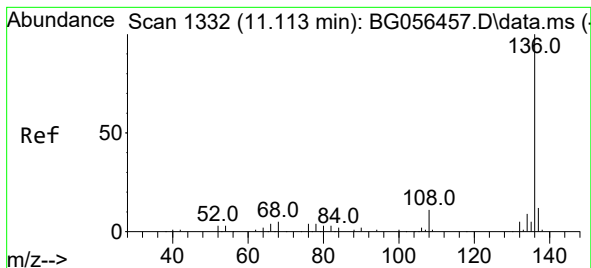
Tgt Ion: 99 Resp: 154645
Ion Ratio Lower Upper
99 100
42 8.3 6.6 10.0
71 28.4 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.530 ng
RT: 9.448 min Scan# 1048
Delta R.T. 0.373 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion: 70 Resp: 11074
Ion Ratio Lower Upper
70 100
42 22.5 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.099 min Scan# 1329

Delta R.T. -0.003 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723

Tgt Ion:136 Resp: 163079

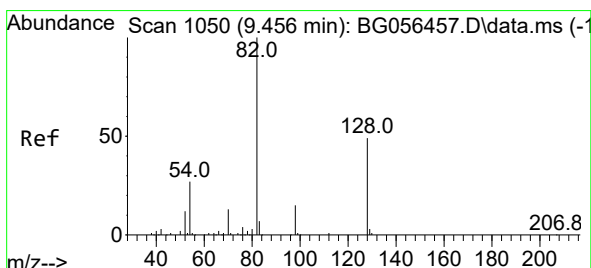
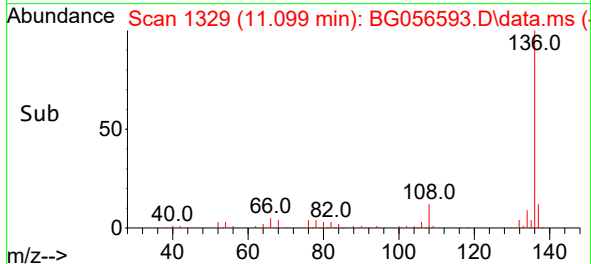
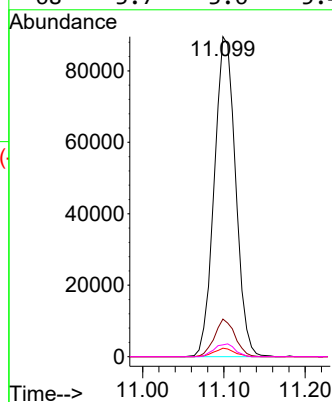
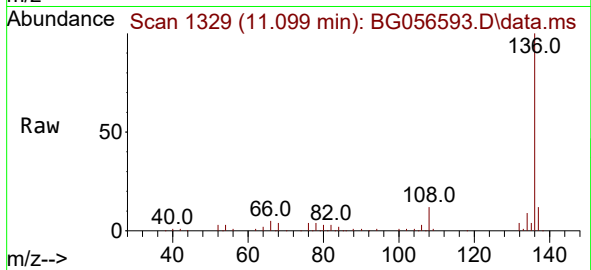
Ion Ratio Lower Upper

136 100

137 11.8 9.4 14.0

54 2.7 2.2 3.4

68 3.7 3.6 5.4



#23

Nitrobenzene-d5

Concen: 29.483 ng

RT: 9.448 min Scan# 1048

Delta R.T. 0.003 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

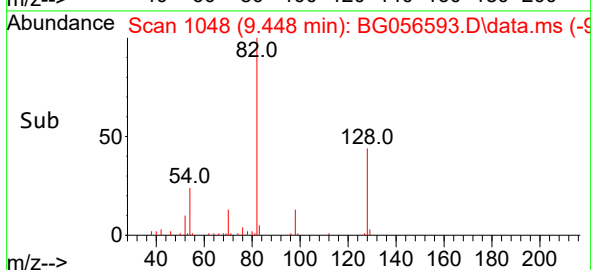
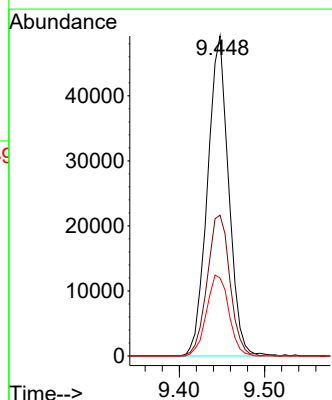
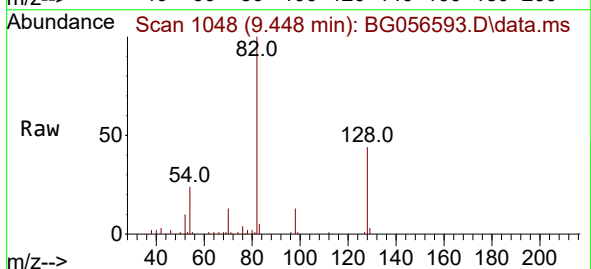
Tgt Ion: 82 Resp: 84671

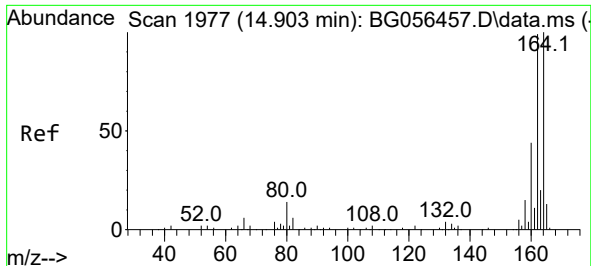
Ion Ratio Lower Upper

82 100

128 44.0 39.4 59.2

54 24.4 21.4 32.2

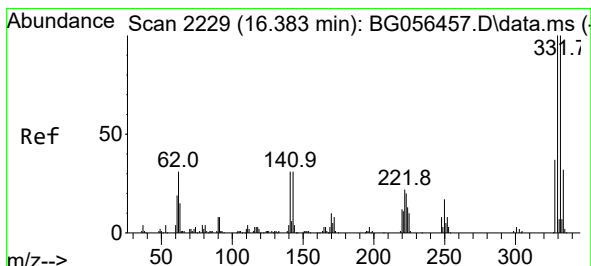
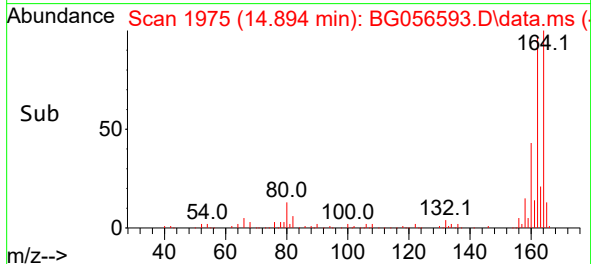
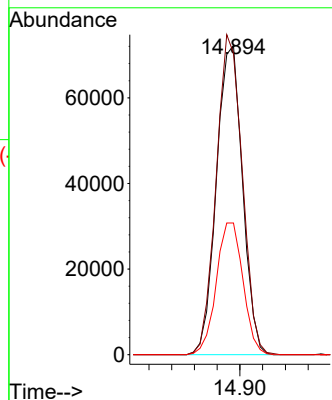
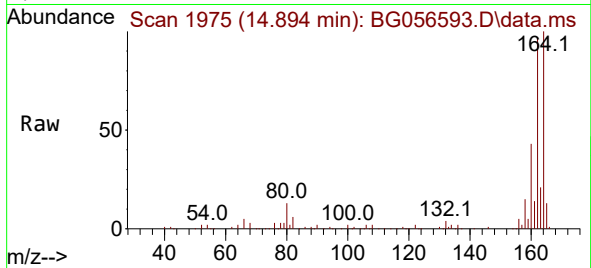




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1977
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

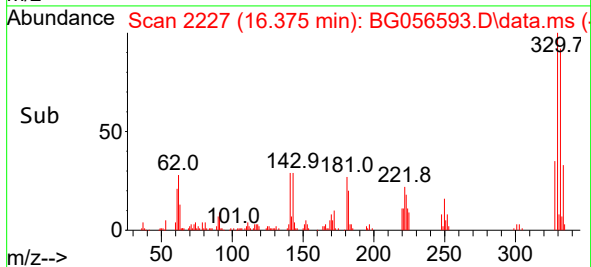
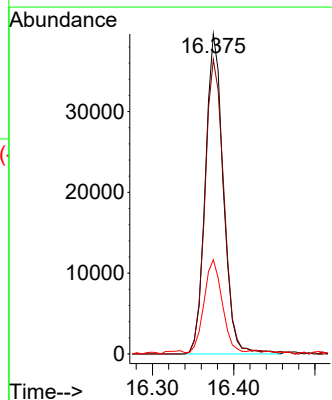
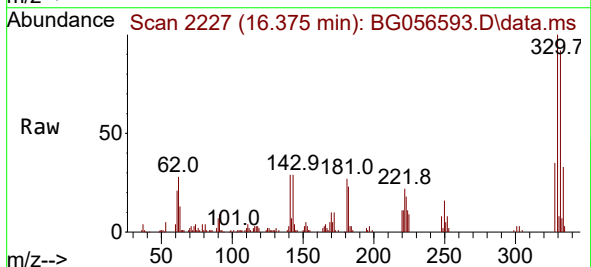
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

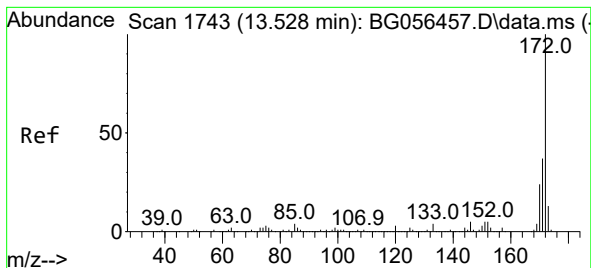
Tgt Ion:164 Resp: 114713
Ion Ratio Lower Upper
164 100
162 97.4 79.6 119.4
160 42.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 39.781 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion:330 Resp: 60668
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.6
141 30.5 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 32.788 ng

RT: 13.514 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723

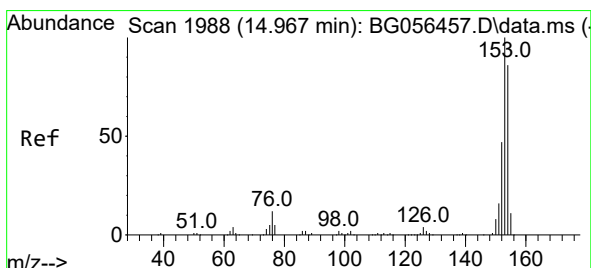
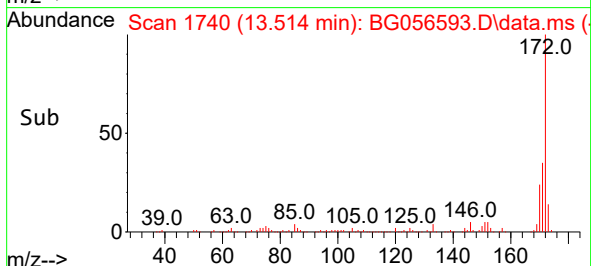
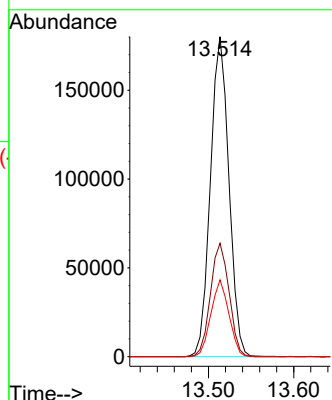
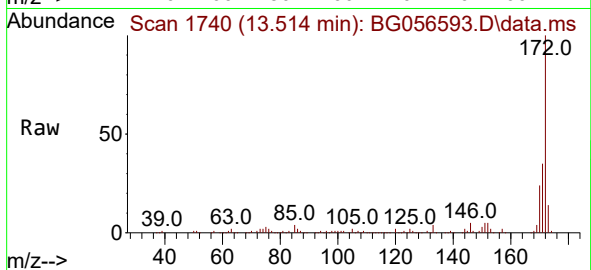
Tgt Ion:172 Resp: 271286

Ion Ratio Lower Upper

172 100

171 35.5 29.5 44.3

170 24.0 19.2 28.8



#52

Acenaphthene

Concen: 6.864 ng

RT: 14.953 min Scan# 1985

Delta R.T. -0.003 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

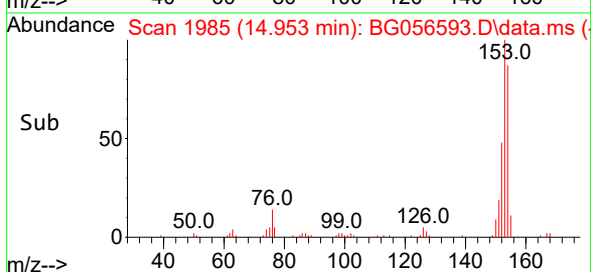
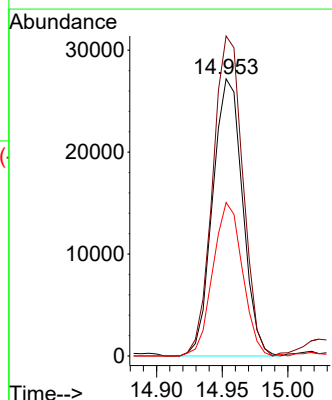
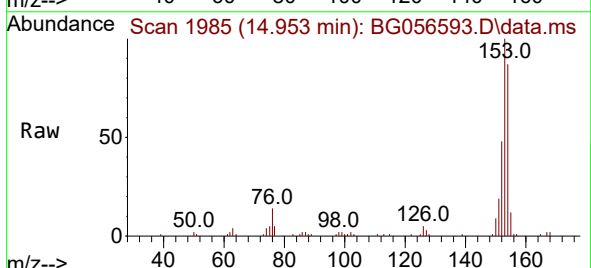
Tgt Ion:154 Resp: 43068

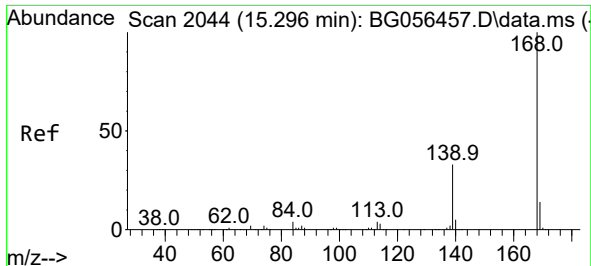
Ion Ratio Lower Upper

154 100

153 115.4 93.4 140.0

152 55.3 43.4 65.2

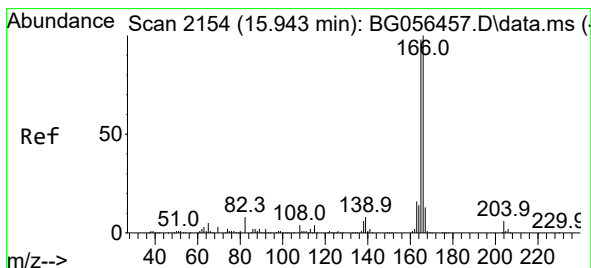
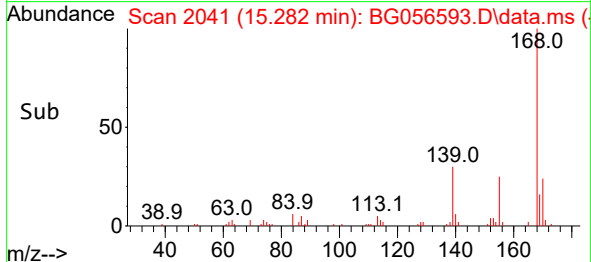
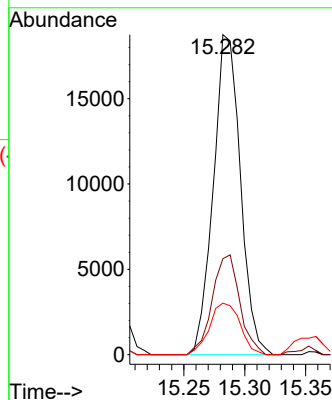
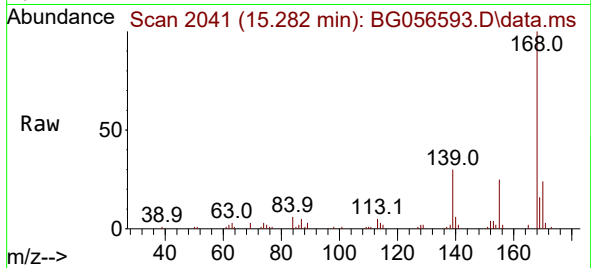




#55
Dibenzofuran
Concen: 2.573 ng
RT: 15.282 min Scan# 2044
Delta R.T. -0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

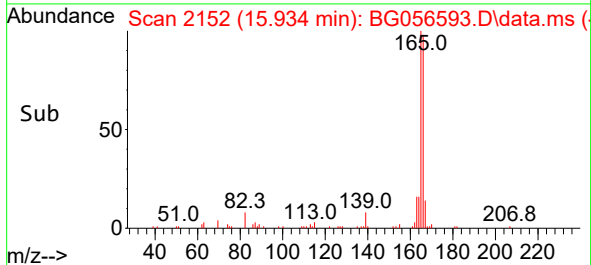
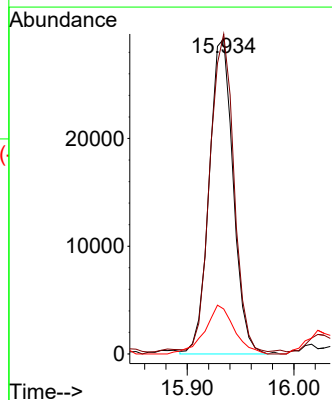
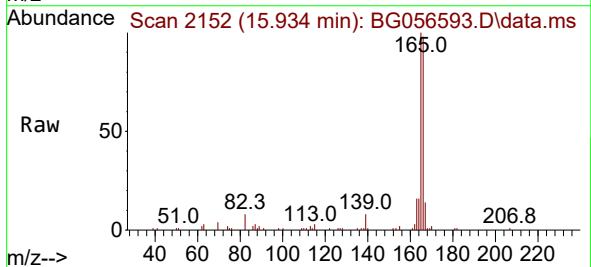
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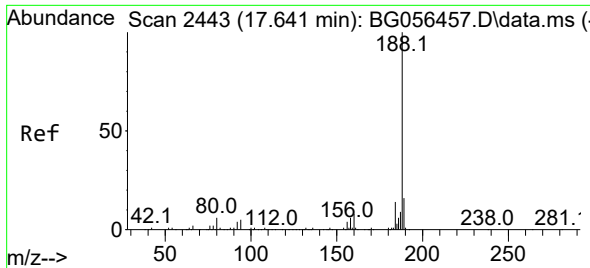
Tgt Ion:168 Resp: 28956
Ion Ratio Lower Upper
168 100
139 30.0 26.2 39.2
169 16.1 11.0 16.6



#58
Fluorene
Concen: 5.120 ng
RT: 15.934 min Scan# 2152
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion:166 Resp: 45843
Ion Ratio Lower Upper
166 100
165 101.6 78.8 118.2
167 14.3 10.6 15.8

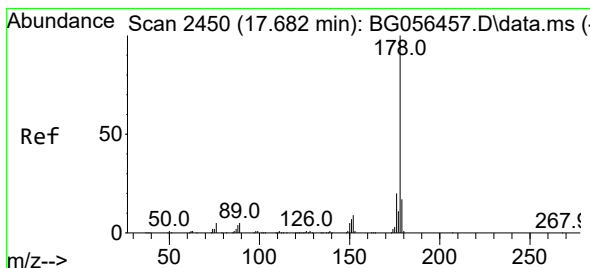
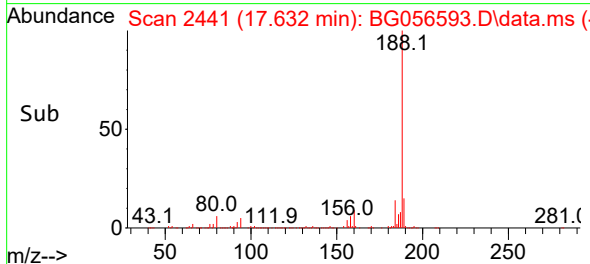
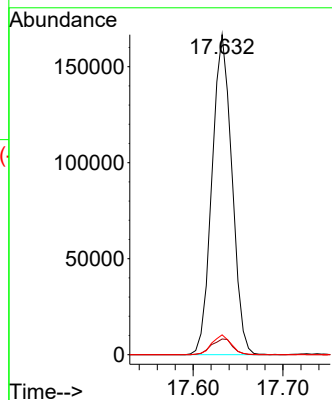
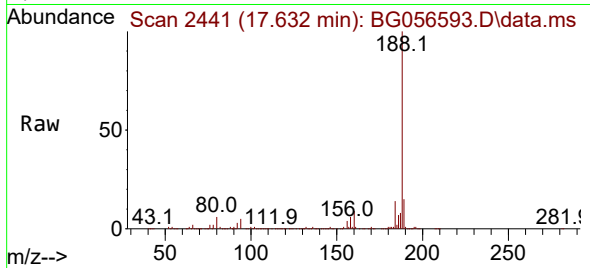




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

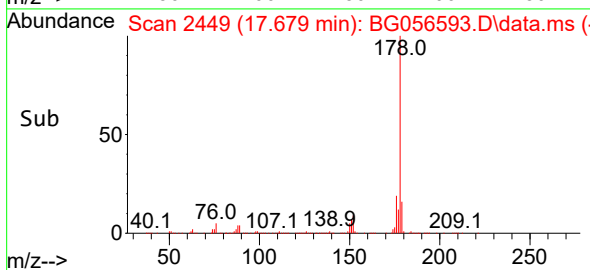
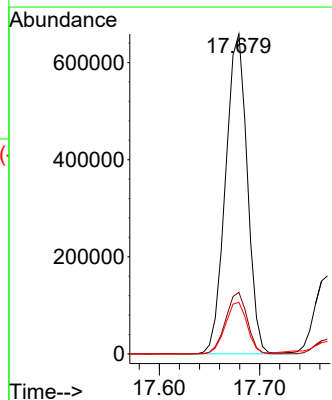
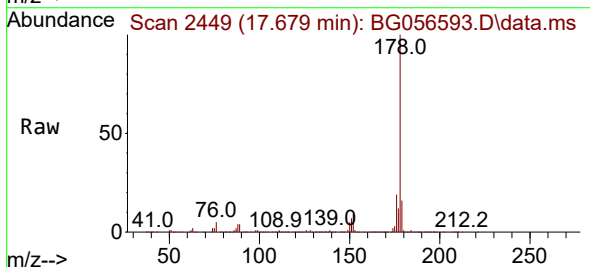
Instrument :
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JPP-48-020723

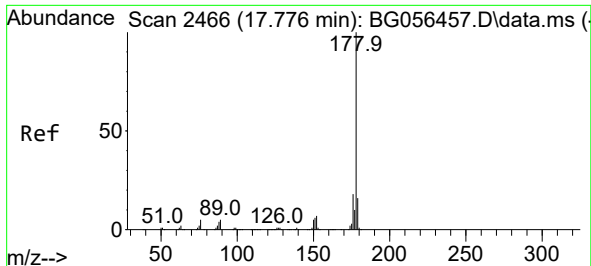
Tgt Ion:188 Resp: 256902
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 6.2 5.0 7.4



#71
Phenanthrene
Concen: 73.644 ng
RT: 17.679 min Scan# 2449
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion:178 Resp: 990204
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 16.2 13.3 19.9

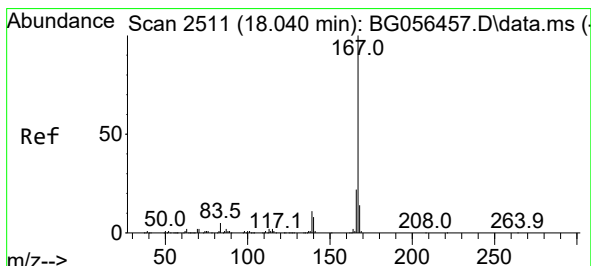
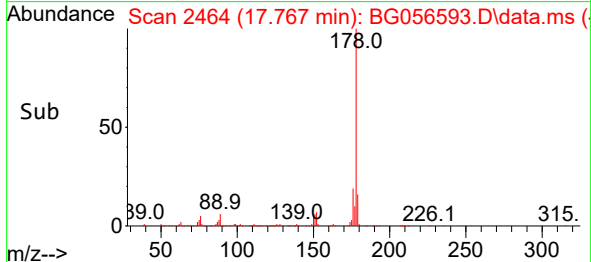
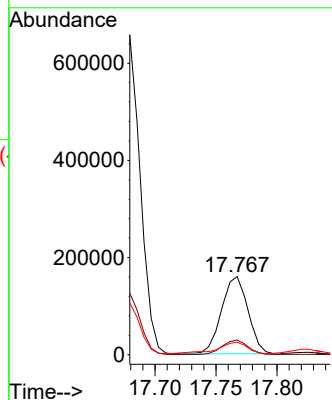
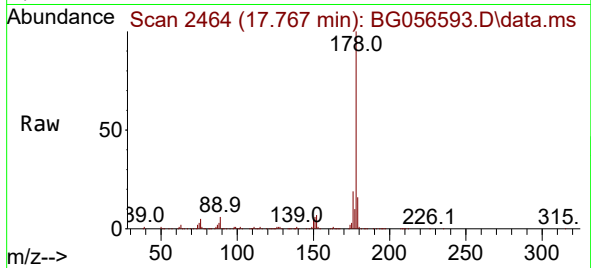




#72
 Anthracene
 Concen: 17.376 ng
 RT: 17.767 min Scan# 2466
 Delta R.T. 0.003 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45

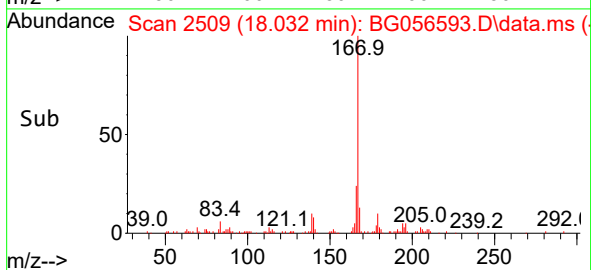
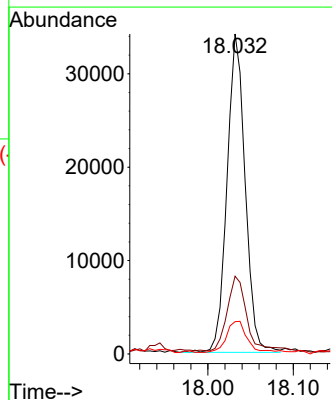
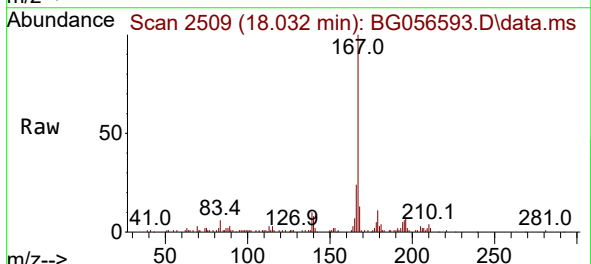
Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723

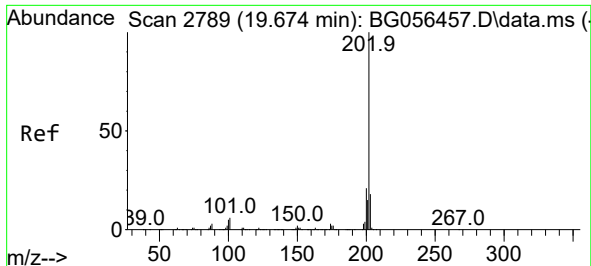
Tgt Ion:178 Resp: 239829
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.5 21.7
 179 16.0 12.5 18.7



#73
 Carbazole
 Concen: 4.285 ng
 RT: 18.032 min Scan# 2509
 Delta R.T. 0.003 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45

Tgt Ion:167 Resp: 50372
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.8 26.6
 139 10.1 8.9 13.3

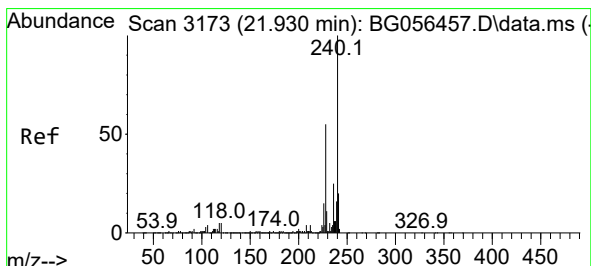
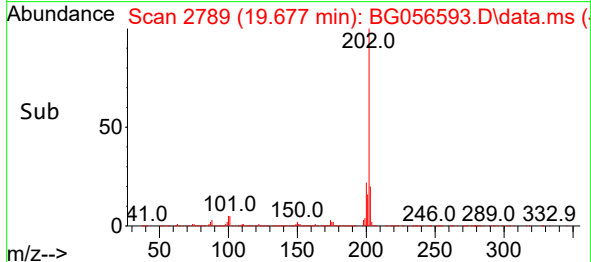
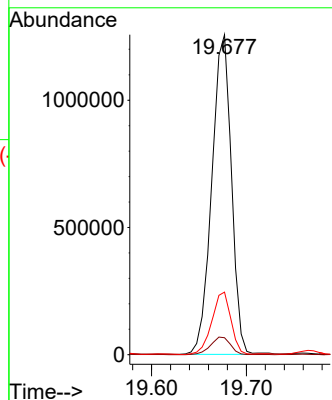
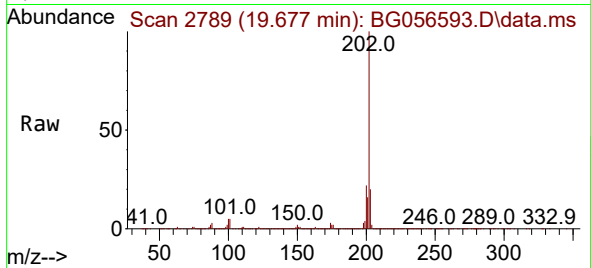




#75
Fluoranthene
Concen: 106.460 ng
RT: 19.677 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

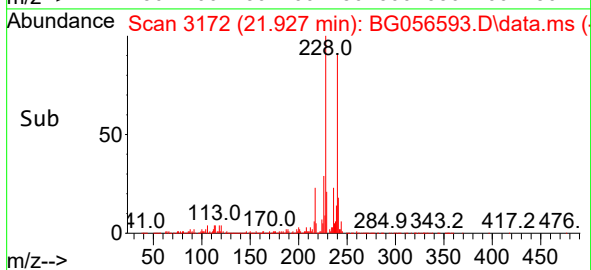
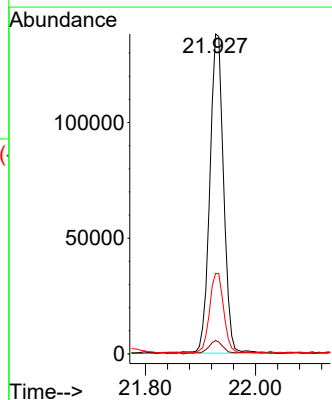
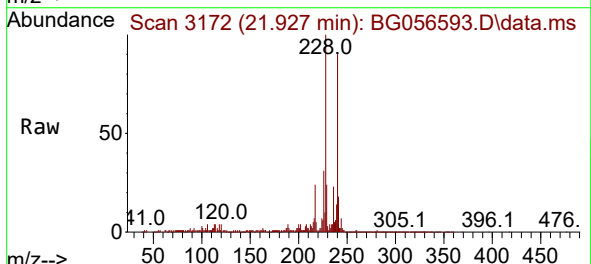
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

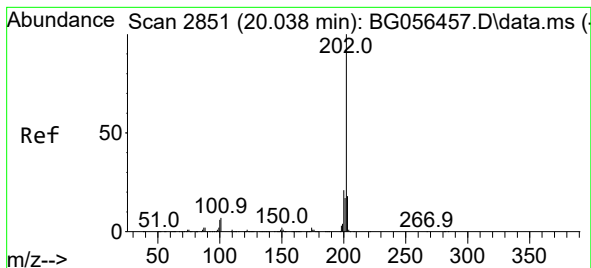
Tgt Ion:202 Resp: 1806638
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.6
203 19.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. 0.003 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion:240 Resp: 239149
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.8
236 25.2 20.2 30.2





#78

Pyrene

Concen: 103.444 ng

RT: 20.035 min Scan# 2851

Delta R.T. 0.009 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723

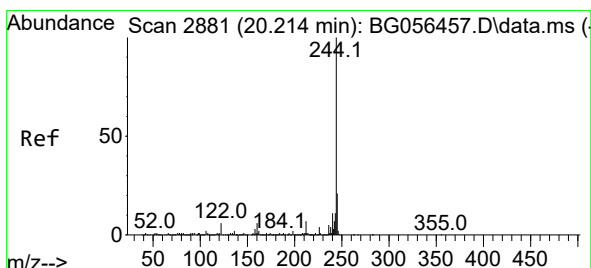
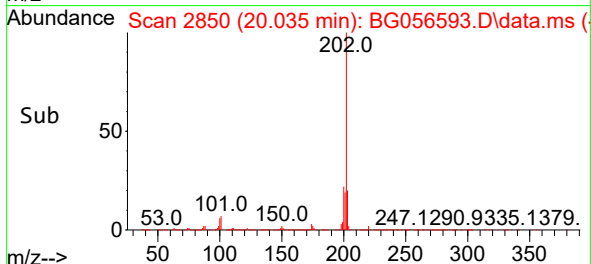
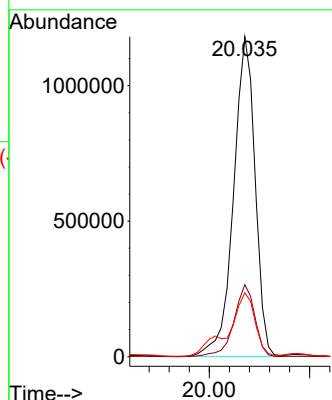
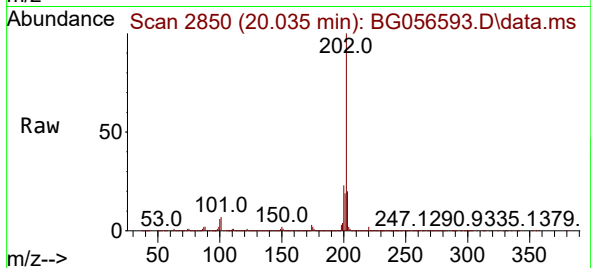
Tgt Ion:202 Resp: 1759454

Ion Ratio Lower Upper

202 100

200 22.5 16.7 25.1

203 20.0 14.4 21.6



#79

Terphenyl-d14

Concen: 30.916 ng

RT: 20.206 min Scan# 2879

Delta R.T. -0.003 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

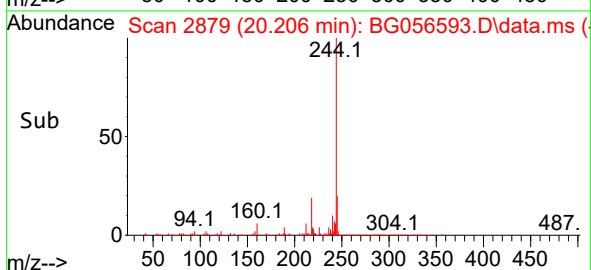
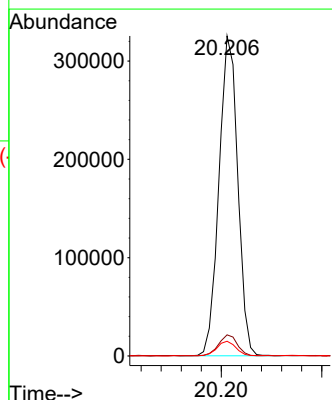
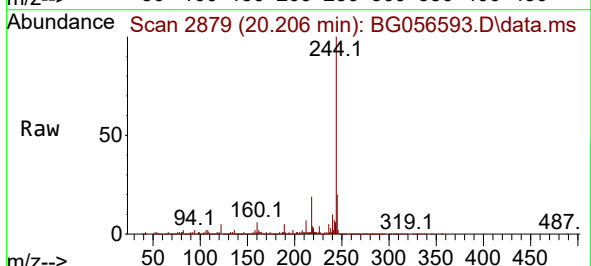
Tgt Ion:244 Resp: 420962

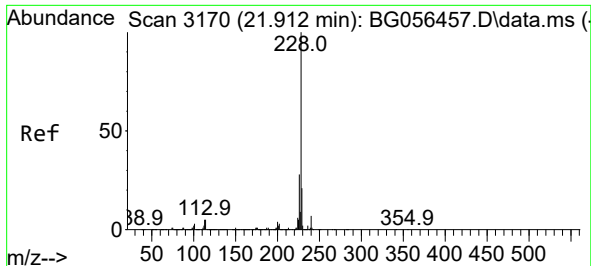
Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 4.6 4.4 6.6

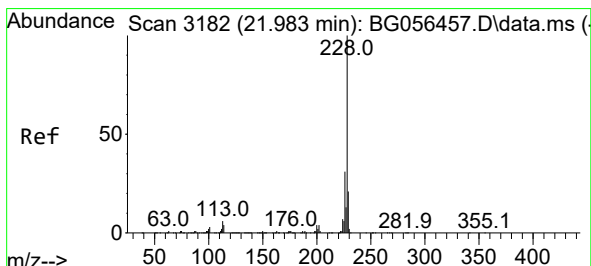
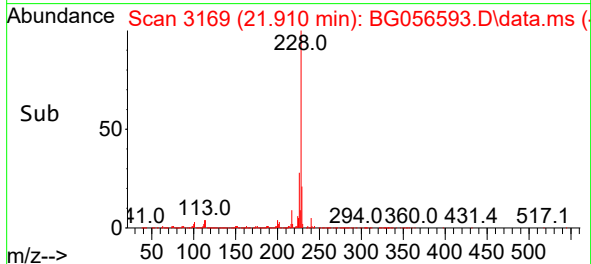
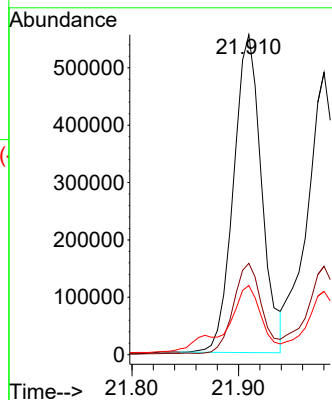
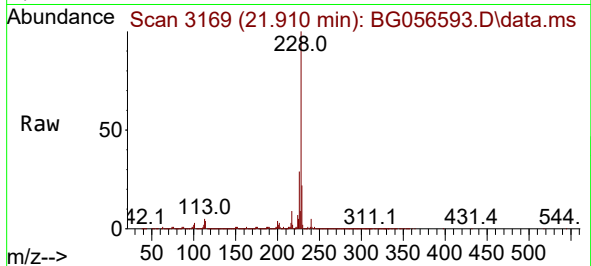




#81
Benzo(a)anthracene
Concen: 60.599 ng
RT: 21.910 min Scan# 3170
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

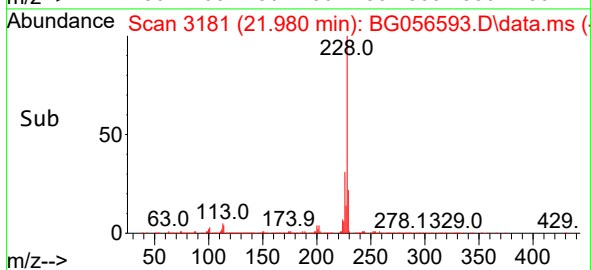
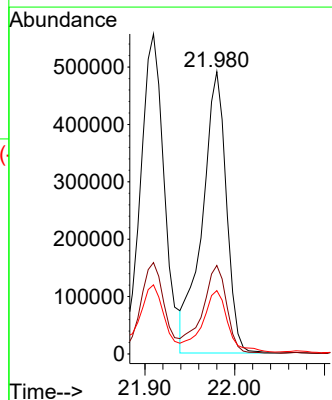
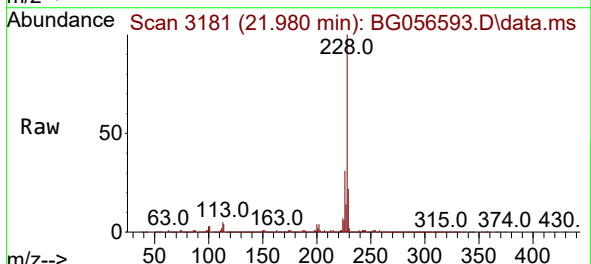
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

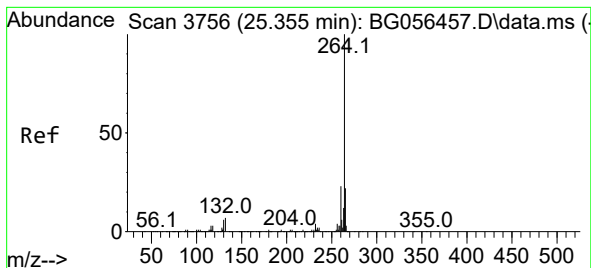
Tgt Ion:228 Resp: 1013168
Ion Ratio Lower Upper
228 100
226 28.6 22.4 33.6
229 21.6 16.5 24.7



#83
Chrysene
Concen: 58.224 ng
RT: 21.980 min Scan# 3181
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

Tgt Ion:228 Resp: 914554
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.4
229 22.5 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.364 min Scan# 31

Delta R.T. 0.027 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723

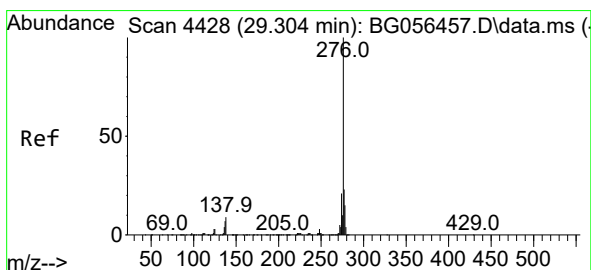
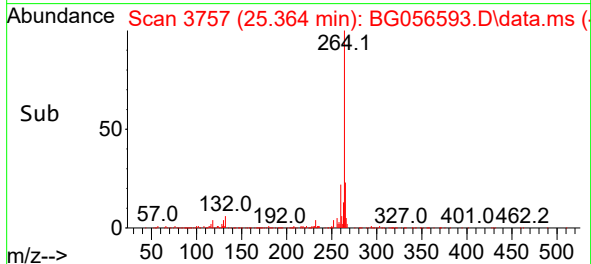
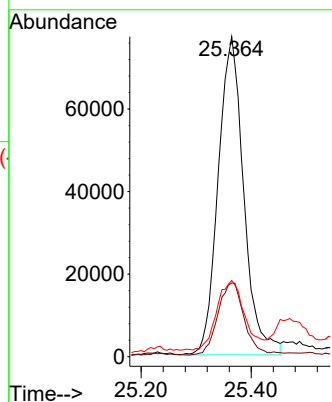
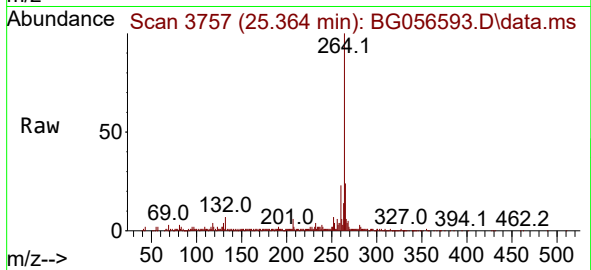
Tgt Ion:264 Resp: 248797

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 23.8 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 22.940 ng

RT: 29.319 min Scan# 4430

Delta R.T. 0.033 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

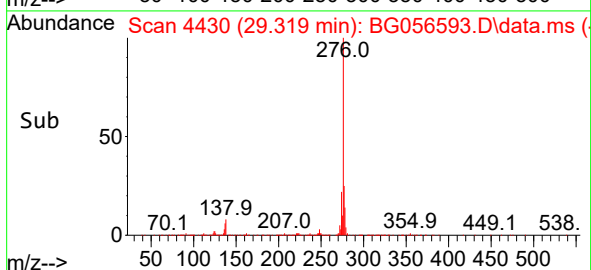
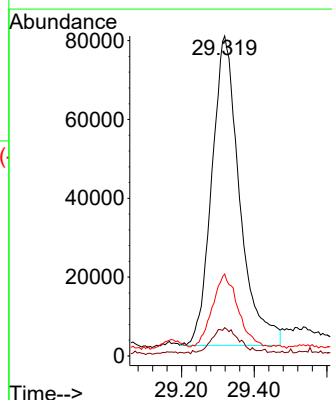
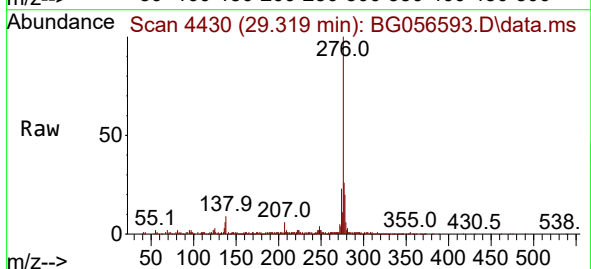
Tgt Ion:276 Resp: 417798

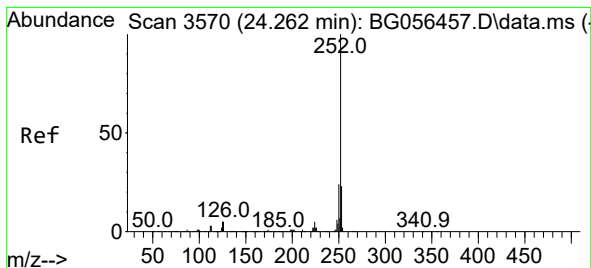
Ion Ratio Lower Upper

276 100

138 8.0 9.4 14.2#

277 21.8 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 77.344 ng

RT: 24.277 min Scan# 3572

Delta R.T. 0.027 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723

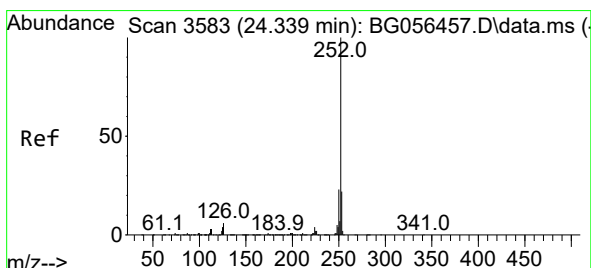
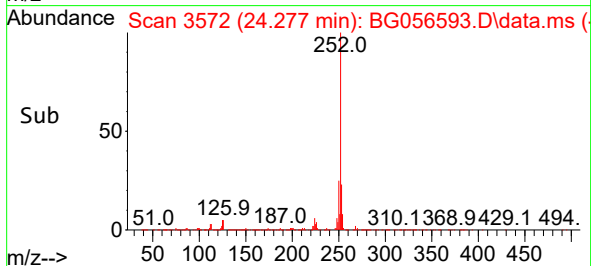
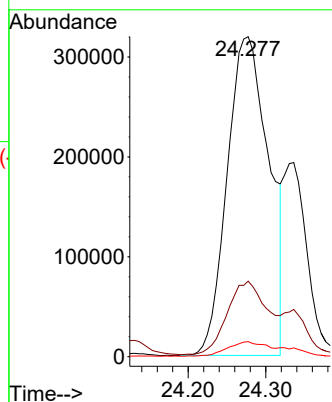
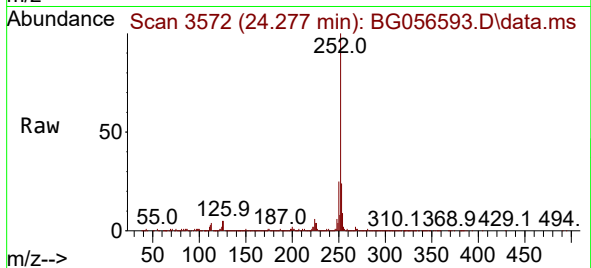
Tgt Ion:252 Resp: 1194388

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 4.7 3.9 5.9



#89

Benzo(k)fluoranthene

Concen: 76.606 ng

RT: 24.277 min Scan# 3572

Delta R.T. -0.044 min

Lab File: BG056593.D

Acq: 8 Feb 2023 22:45

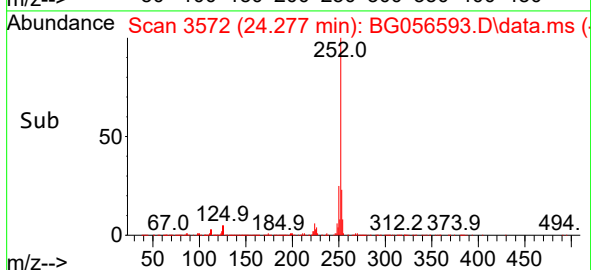
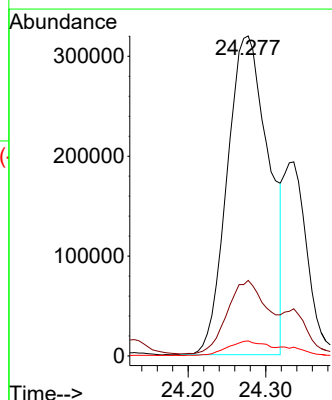
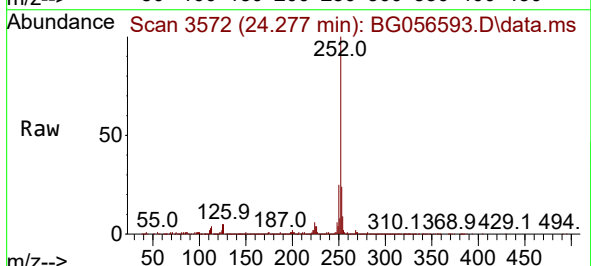
Tgt Ion:252 Resp: 1194388

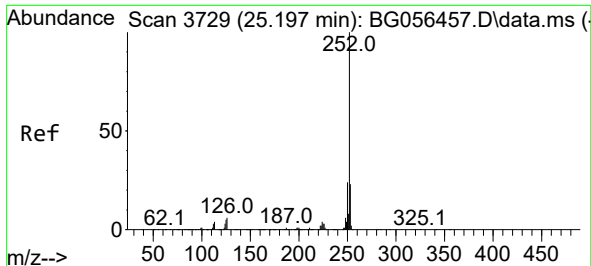
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 4.7 3.4 5.0

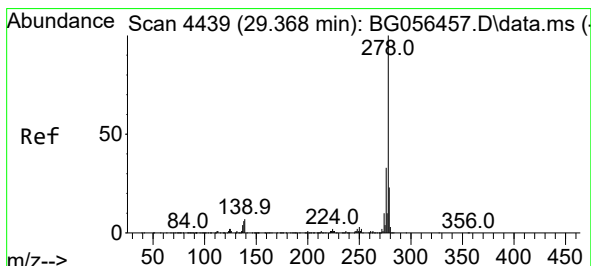
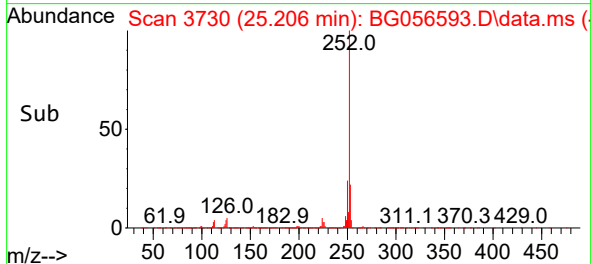
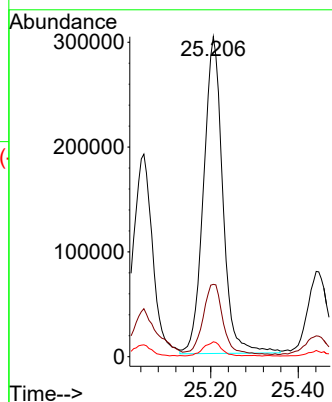
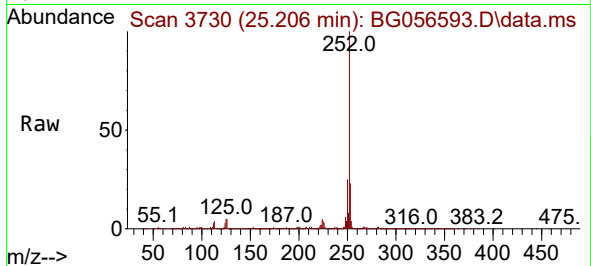




#90
Benzo(a)pyrene
Concen: 60.635 ng
RT: 25.206 min Scan# 31
Delta R.T. 0.027 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

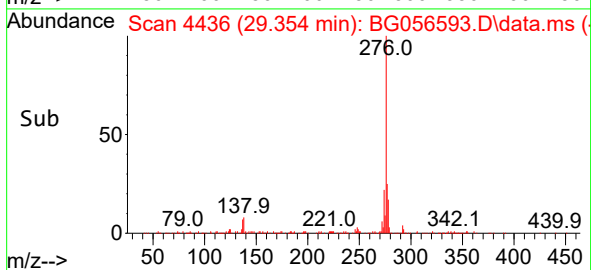
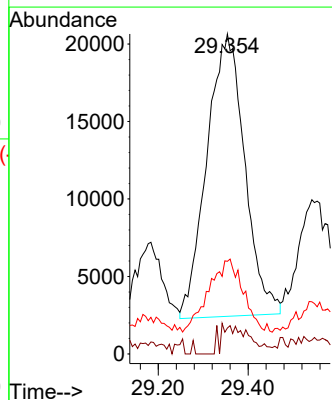
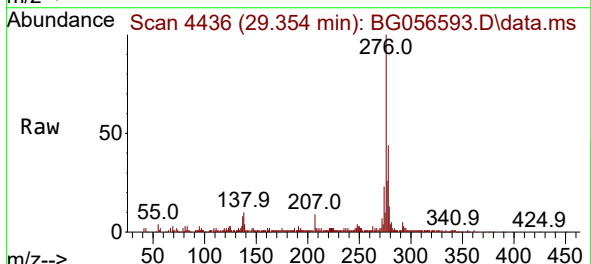
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

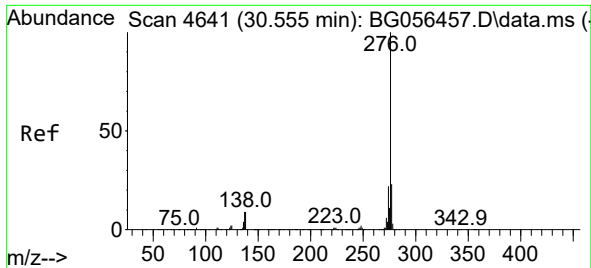
Tgt Ion:252 Resp: 922370
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 4.6 4.1 6.1



#91
Dibenzo(a,h)anthracene
Concen: 6.987 ng
RT: 29.354 min Scan# 4436
Delta R.T. 0.009 min
Lab File: BG056593.D
Acq: 8 Feb 2023 22:45

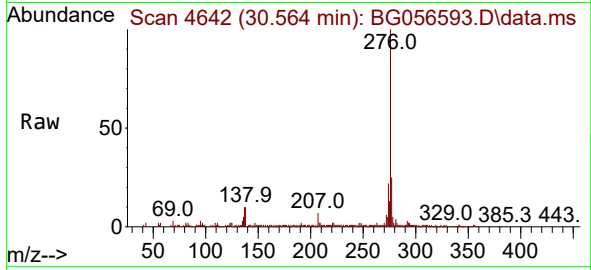
Tgt Ion:278 Resp: 106818
Ion Ratio Lower Upper
278 100
139 8.1 5.5 8.3
279 28.9 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 24.508 ng
 RT: 30.564 min Scan# 4
 Delta R.T. 0.038 min
 Lab File: BG056593.D
 Acq: 8 Feb 2023 22:45

Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723



Tgt Ion:276 Resp: 361514
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.5 27.7
 138 9.9 7.4 11.0

