

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057781.D
 Acq On : 20 Jun 2023 18:19
 Operator : CG/JU
 Sample : 03289-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0

Quant Time: Jun 21 01:05:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

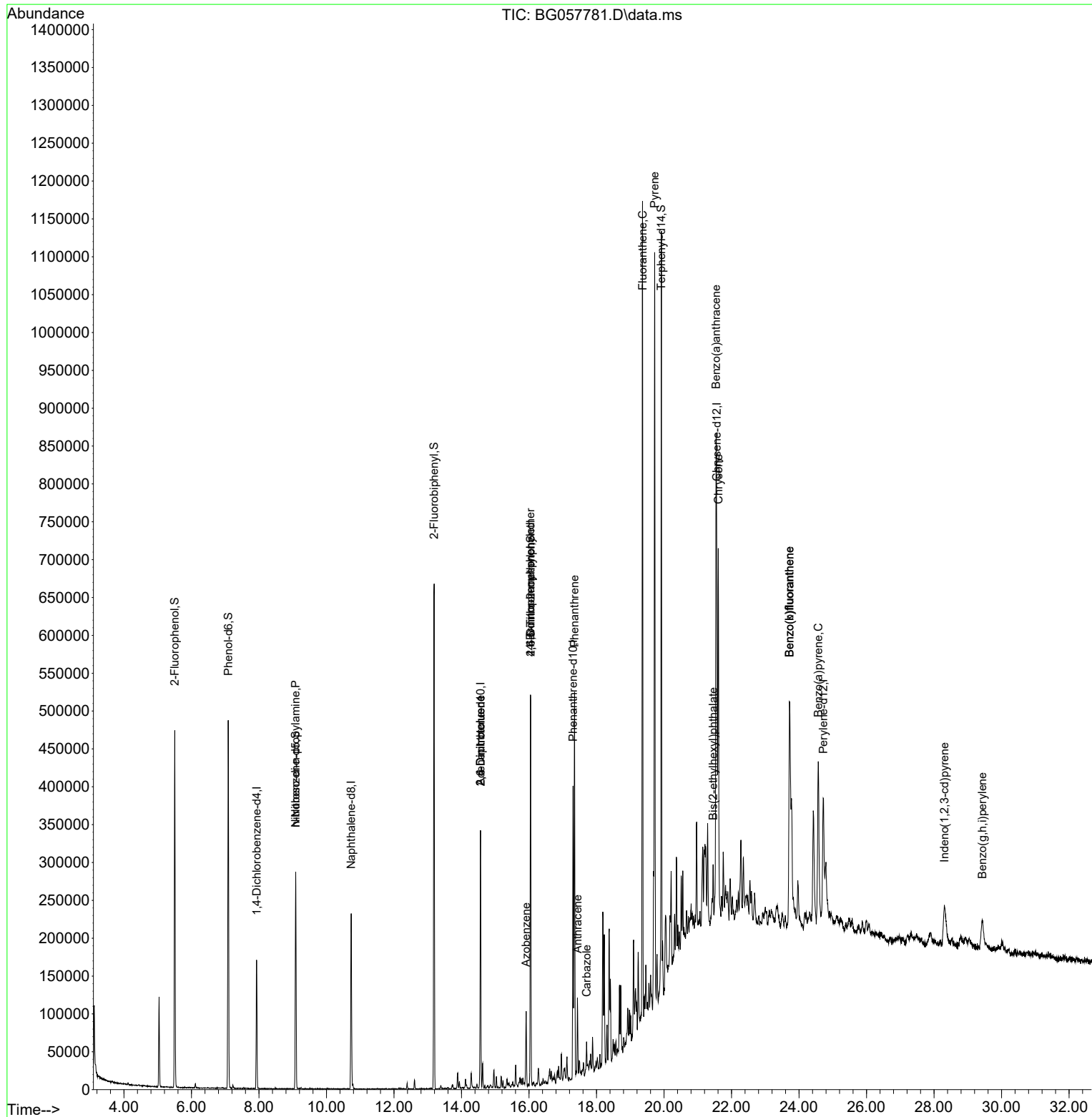
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	45949	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	189378	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	118121	20.000	ng	0.00
64) Phenanthrene-d10	17.307	188	246586	20.000	ng	0.00
76) Chrysene-d12	21.560	240	193336	20.000	ng	0.00
86) Perylene-d12	24.721	264	215334	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	195046	65.451	ng	0.00
7) Phenol-d6	7.089	99	278817	61.318	ng	0.00
23) Nitrobenzene-d5	9.087	82	165750	44.920	ng	0.00
42) 2,4,6-Tribromophenol	16.049	330	101629	61.765	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	359834	46.205	ng	0.00
79) Terphenyl-d14	19.921	244	487015	46.971	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.087	70	20727	6.538	ng	# 82
51) 2,6-Dinitrotoluene	14.563	165	15460	9.254	ng	# 19
57) 2,4-Dinitrotoluene	14.563	165	15460	6.824	ng	# 20
63) Azobenzene	15.914	77	26388	2.772	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.049	198	208	5.475	ng	# 1
67) 4-Bromophenyl-phenylether	16.043	248	6572	2.513	ng	# 1
71) Phenanthrene	17.348	178	304436	25.499	ng	98
72) Anthracene	17.436	178	63942	5.245	ng	98
73) Carbazole	17.706	167	24355	2.167	ng	98
75) Fluoranthene	19.363	202	639030	44.929	ng	100
78) Pyrene	19.721	202	645501	46.804	ng	99
81) Benzo(a)anthracene	21.543	228	374934	28.266	ng	99
83) Chrysene	21.607	228	343837	27.010	ng	97
84) Bis(2-ethylhexyl)phtha...	21.455	149	28862	3.789	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.311	276	113605	8.069	ng	93
88) Benzo(b)fluoranthene	23.717	252	390346	33.080	ng	96
89) Benzo(k)fluoranthene	23.717	252	390346	32.480	ng	98
90) Benzo(a)pyrene	24.569	252	264919	22.860	ng	95
92) Benzo(g,h,i)perylene	29.434	276	95413	8.157	ng	98

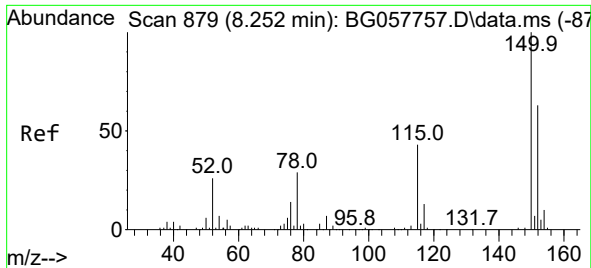
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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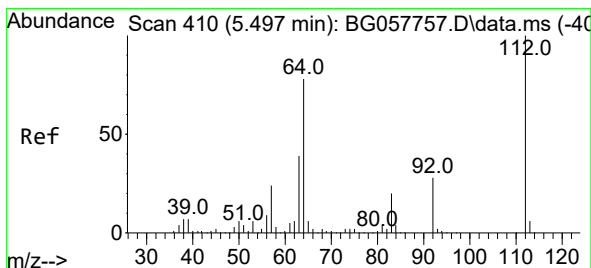
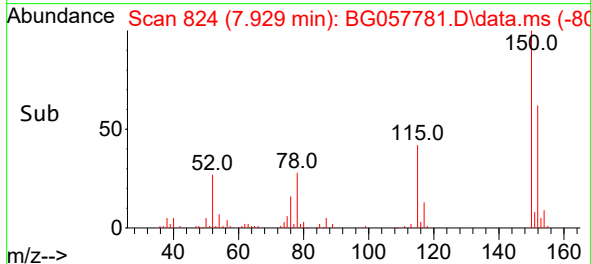
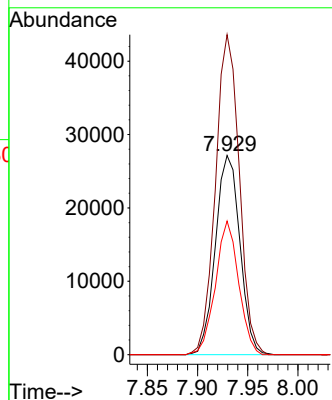
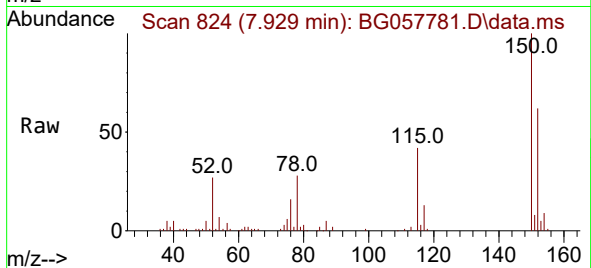




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

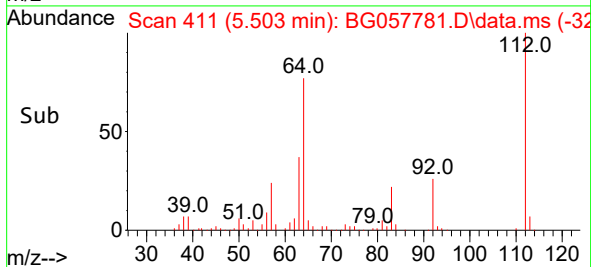
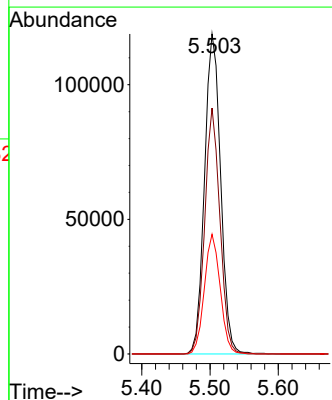
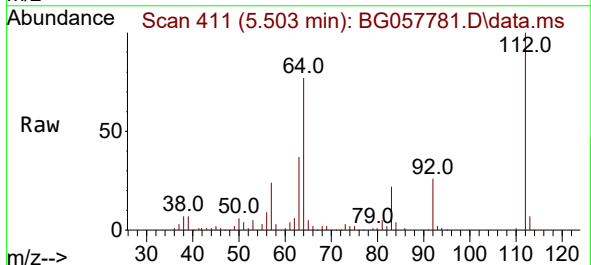
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

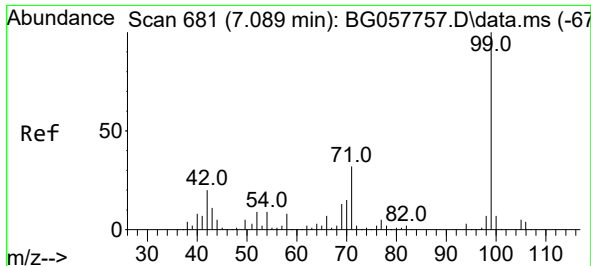
Tgt Ion:152 Resp: 45949
Ion Ratio Lower Upper
152 100
150 160.7 126.6 189.8
115 67.1 48.9 73.3



#5
2-Fluorophenol
Concen: 65.451 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

Tgt Ion:112 Resp: 195046
Ion Ratio Lower Upper
112 100
64 76.8 62.1 93.1
63 37.4 31.5 47.3

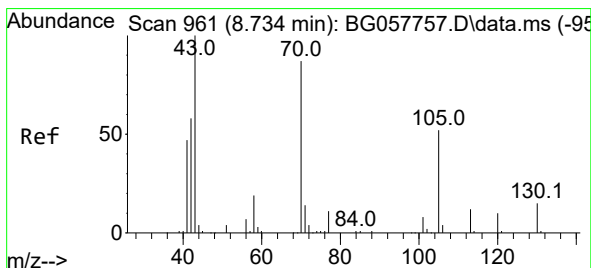
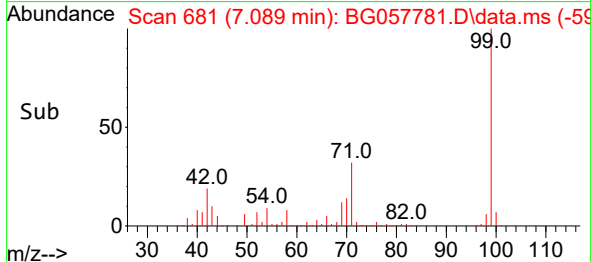
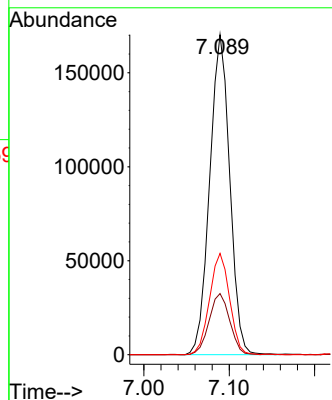
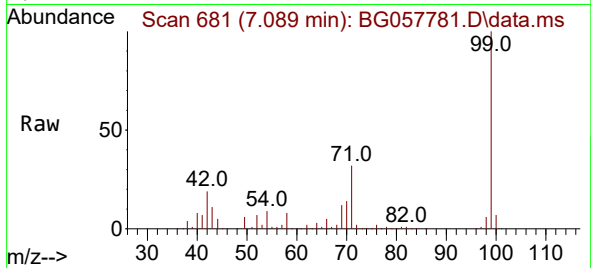




#7
Phenol-d6
Concen: 61.318 ng
RT: 7.089 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

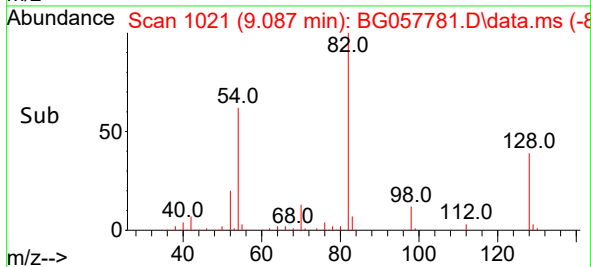
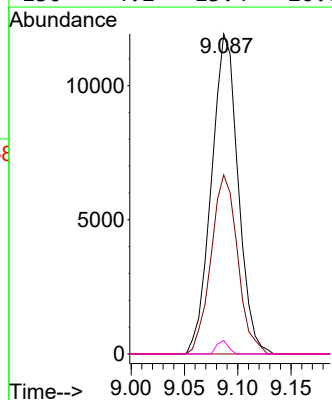
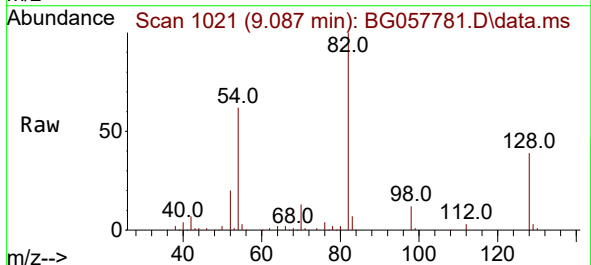
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

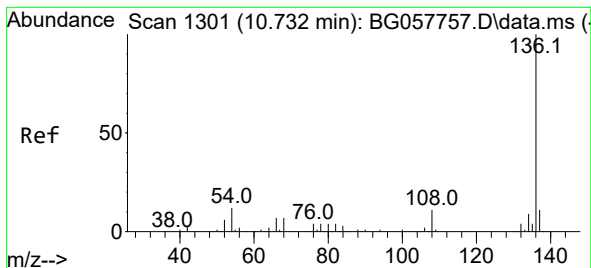
Tgt Ion: 99 Resp: 278817
Ion Ratio Lower Upper
99 100
42 19.1 16.4 24.6
71 31.6 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.538 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.353 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

Tgt Ion: 70 Resp: 20727
Ion Ratio Lower Upper
70 100
42 55.9 54.2 81.2
101 0.0 7.4 11.0#
130 4.2 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.732 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

Tgt Ion:136 Resp: 189378

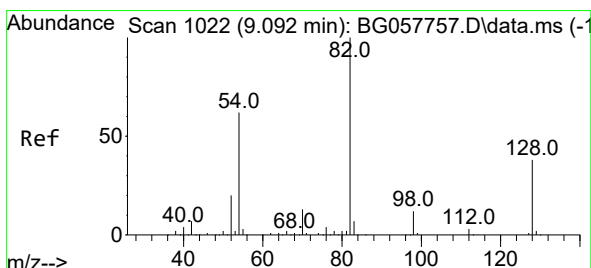
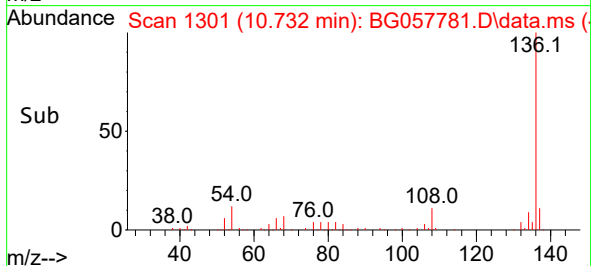
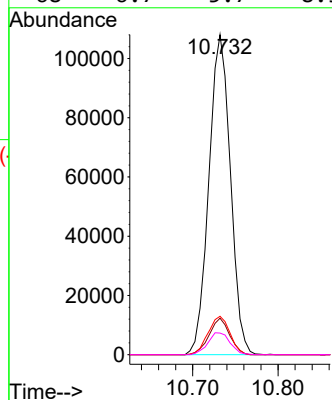
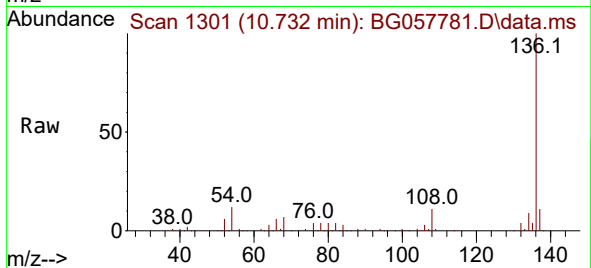
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 12.0 9.5 14.3

68 6.7 5.7 8.5



#23

Nitrobenzene-d5

Concen: 44.920 ng

RT: 9.087 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

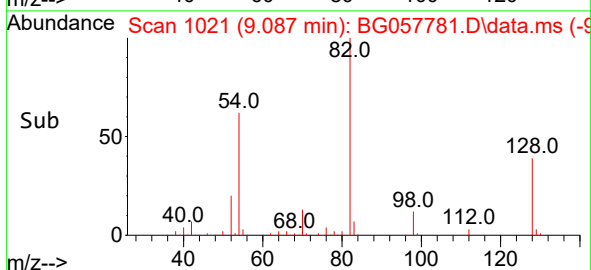
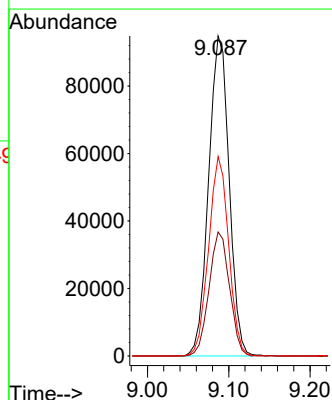
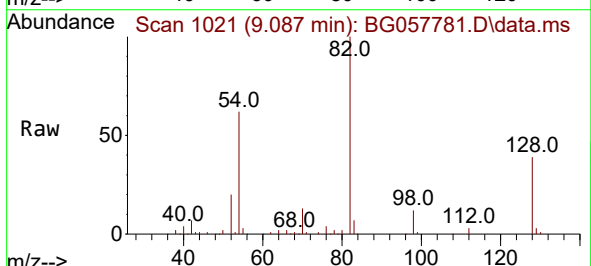
Tgt Ion: 82 Resp: 165750

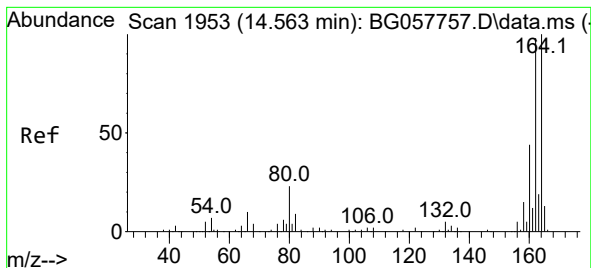
Ion Ratio Lower Upper

82 100

128 38.8 30.7 46.1

54 62.3 49.6 74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

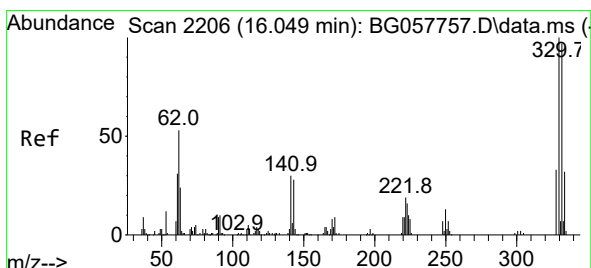
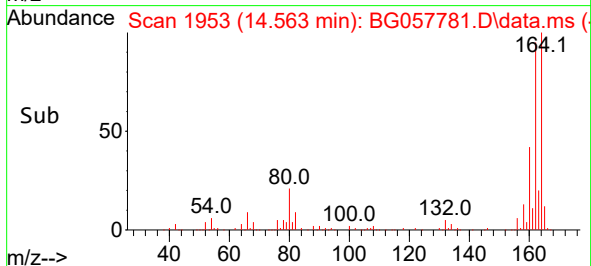
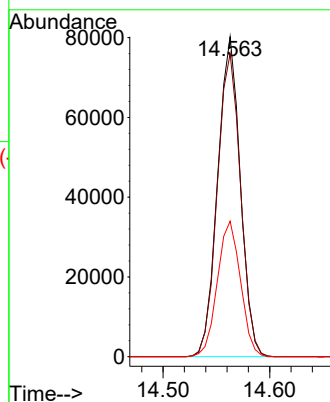
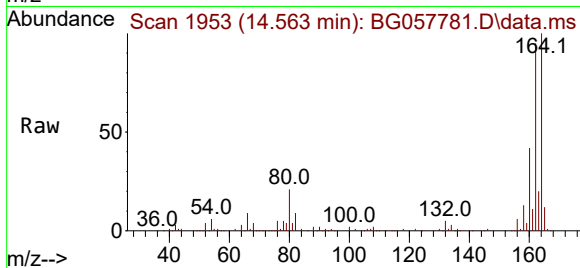
Tgt Ion:164 Resp: 118121

Ion Ratio Lower Upper

164 100

162 94.7 78.3 117.5

160 42.4 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 61.765 ng

RT: 16.049 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

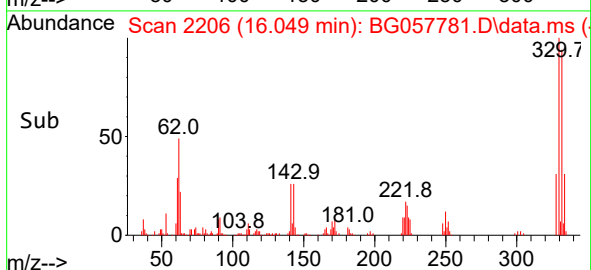
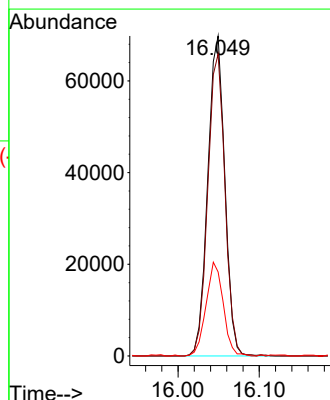
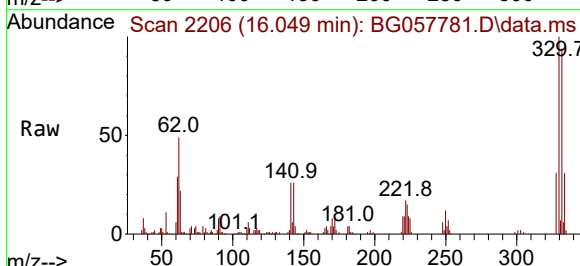
Tgt Ion:330 Resp: 101629

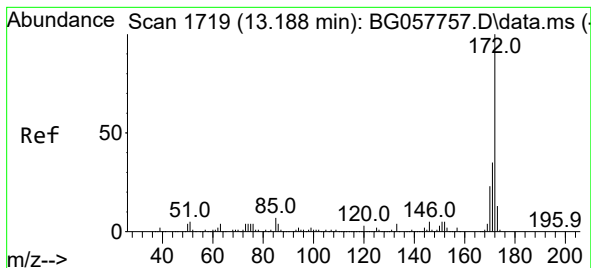
Ion Ratio Lower Upper

330 100

332 95.0 76.6 115.0

141 29.5 24.7 37.1

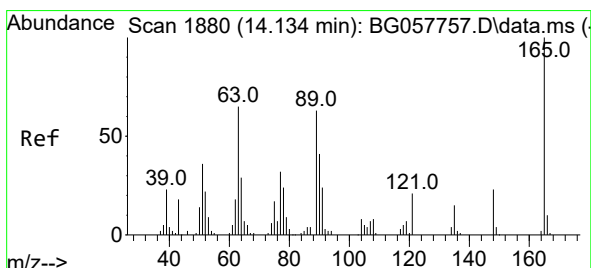
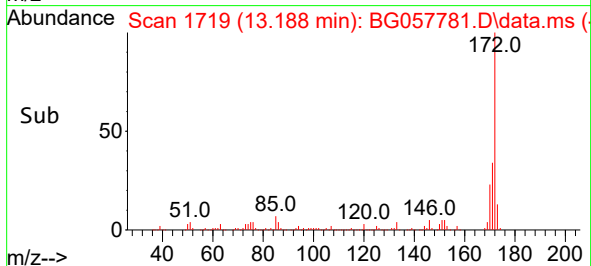
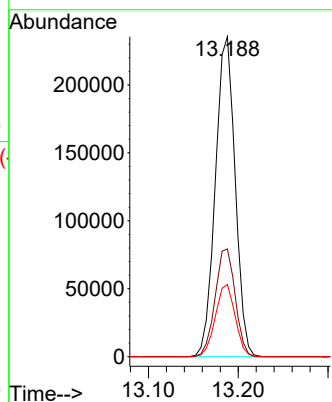
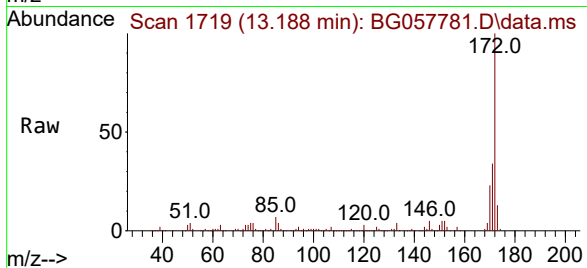




#45
2-Fluorobiphenyl
Concen: 46.205 ng
RT: 13.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

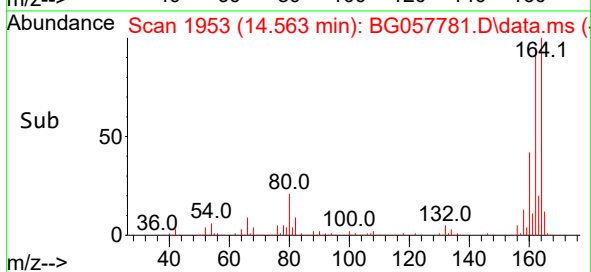
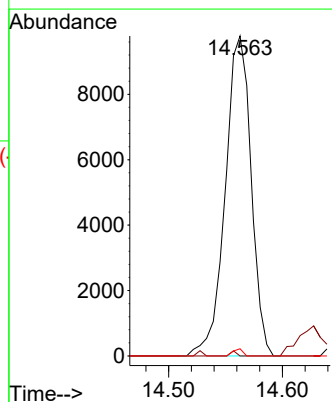
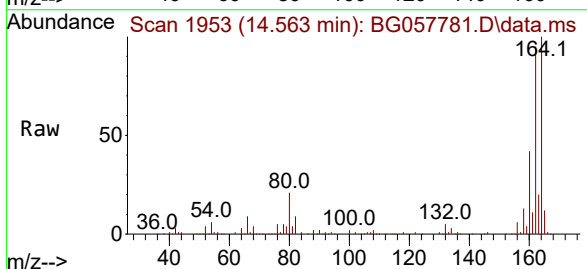
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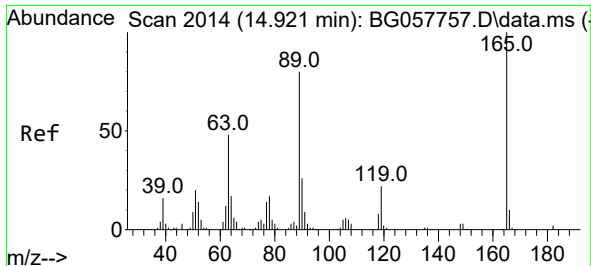
Tgt Ion:172 Resp: 359834
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.254 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.429 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

Tgt Ion:165 Resp: 15460
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 2.2 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.824 ng

RT: 14.563 min Scan# 1953

Delta R.T. -0.358 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

Tgt Ion:165 Resp: 15460

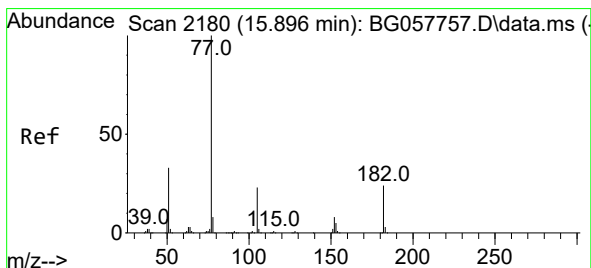
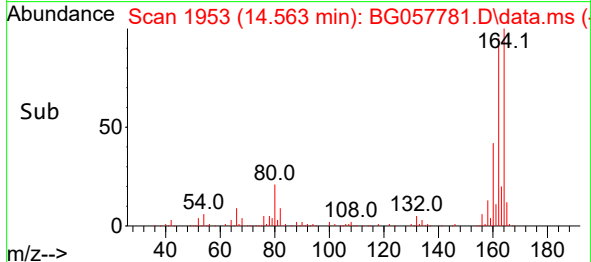
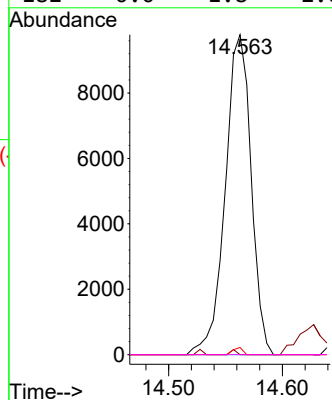
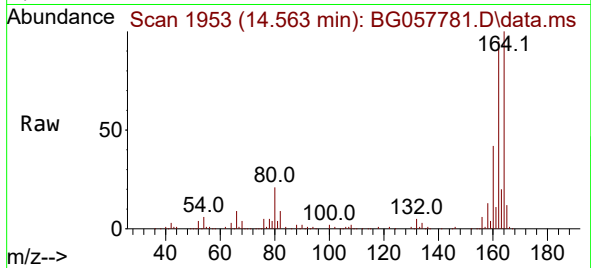
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 2.2 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.772 ng

RT: 15.914 min Scan# 2183

Delta R.T. 0.018 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Tgt Ion: 77 Resp: 26388

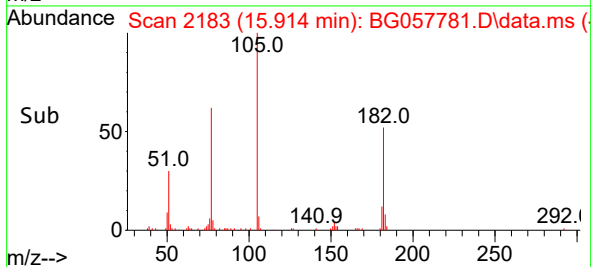
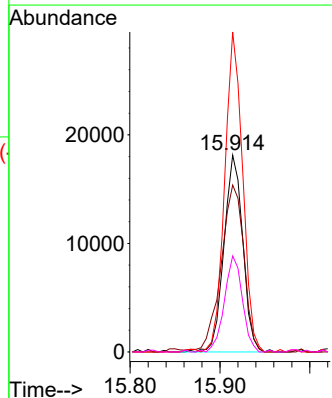
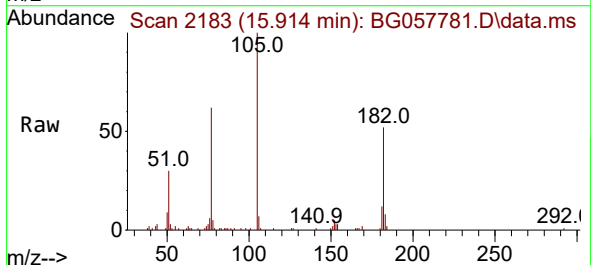
Ion Ratio Lower Upper

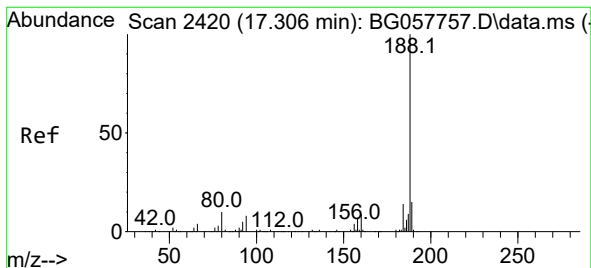
77 100

182 84.7 4.1 44.1#

105 162.5 3.3 43.3#

51 48.7 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 24

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

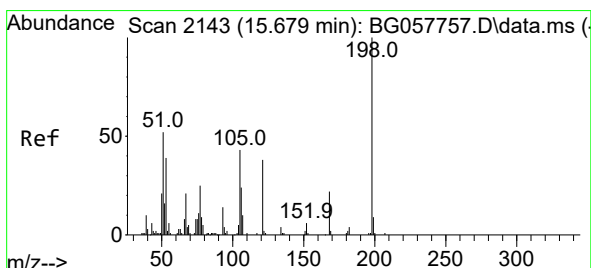
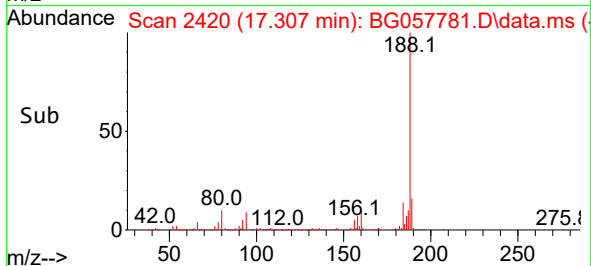
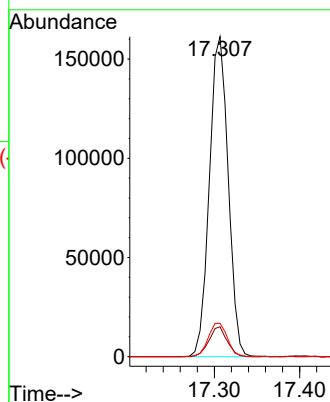
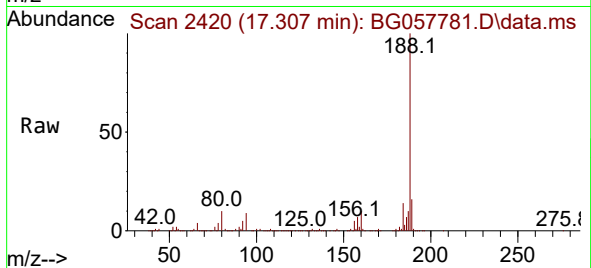
Tgt Ion:188 Resp: 246586

Ion Ratio Lower Upper

188 100

94 9.4 6.6 9.8

80 10.4 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.475 ng

RT: 16.049 min Scan# 2206

Delta R.T. 0.370 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

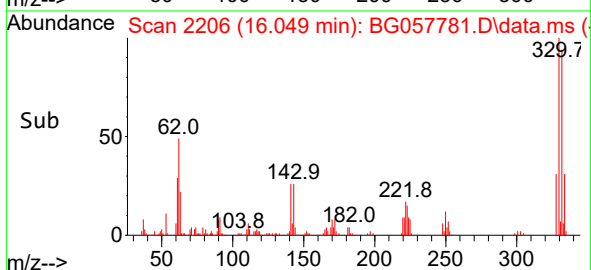
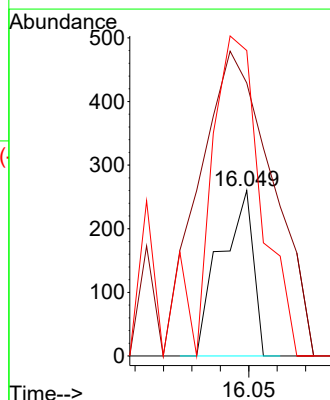
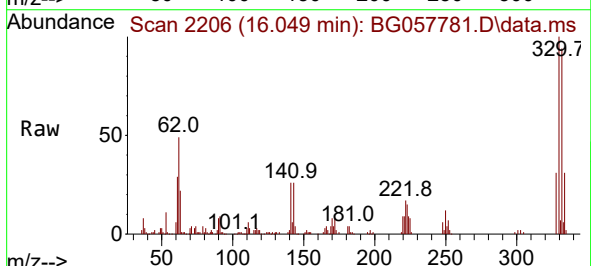
Tgt Ion:198 Resp: 208

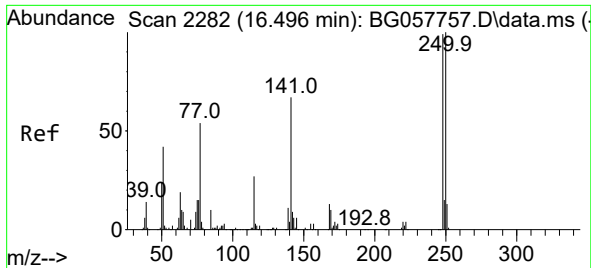
Ion Ratio Lower Upper

198 100

51 165.0 36.6 76.6#

105 184.6 24.3 64.3#

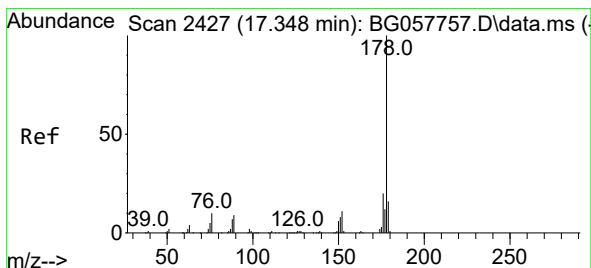
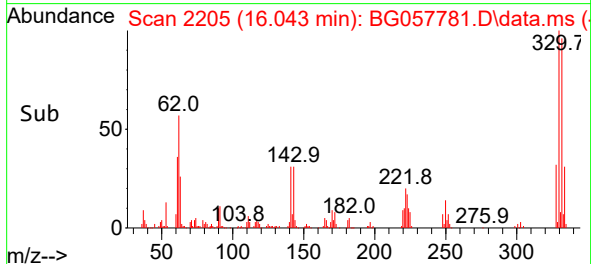
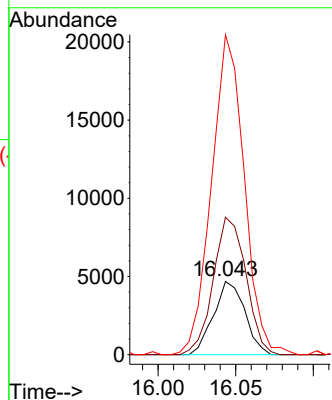
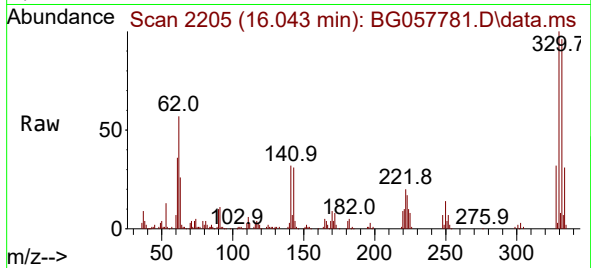




#67
4-Bromophenyl-phenylether
Concen: 2.513 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

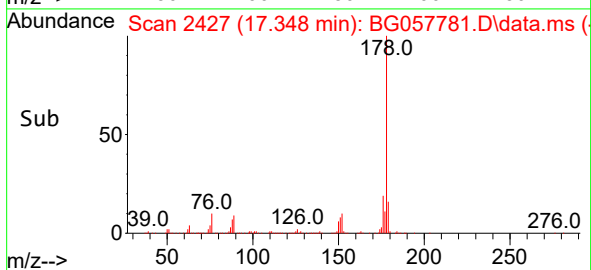
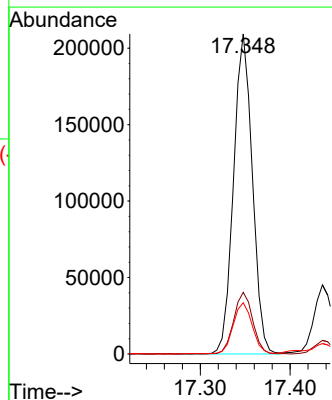
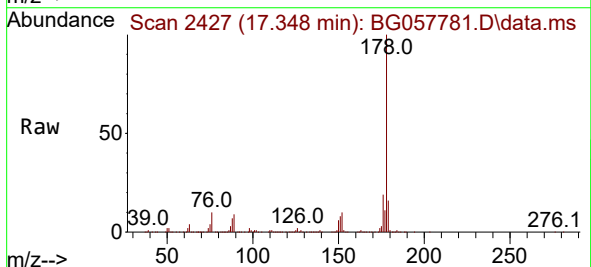
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

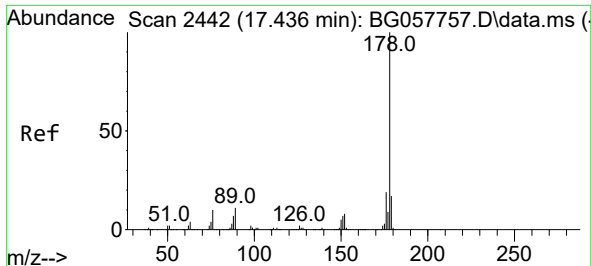
Tgt Ion:248 Resp: 6572
Ion Ratio Lower Upper
248 100
250 187.6 81.1 121.7#
141 436.5 54.6 81.8#



#71
Phenanthrene
Concen: 25.499 ng
RT: 17.348 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

Tgt Ion:178 Resp: 304436
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 16.0 13.0 19.6

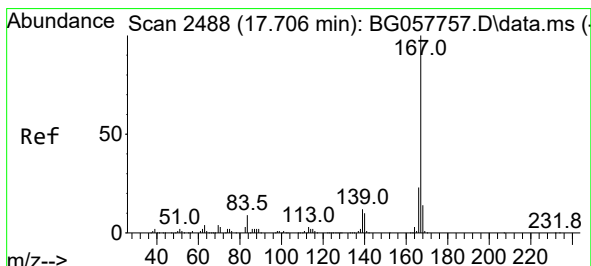
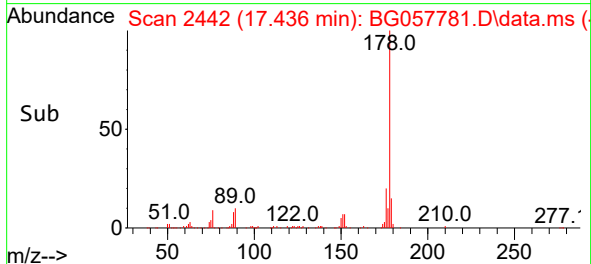
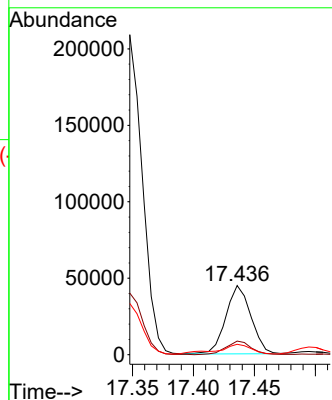
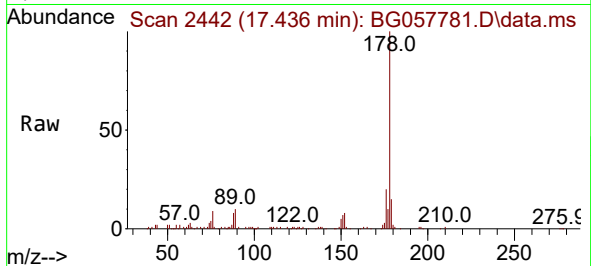




#72
 Anthracene
 Concen: 5.245 ng
 RT: 17.436 min Scan# 2442
 Delta R.T. 0.000 min
 Lab File: BG057781.D
 Acq: 20 Jun 2023 18:19

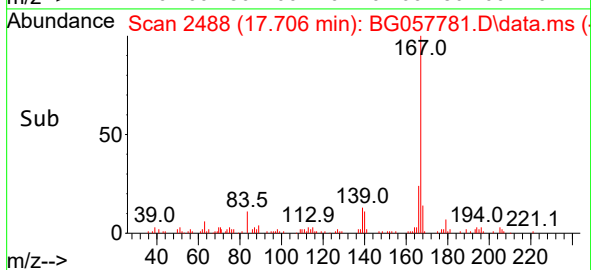
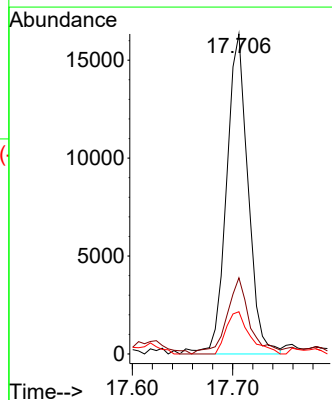
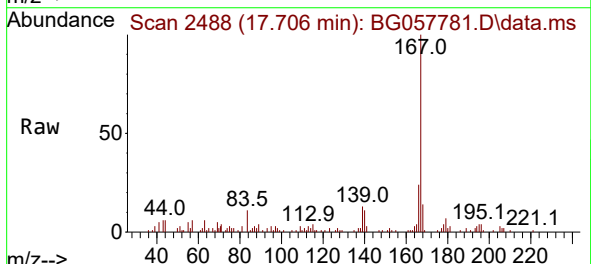
Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0

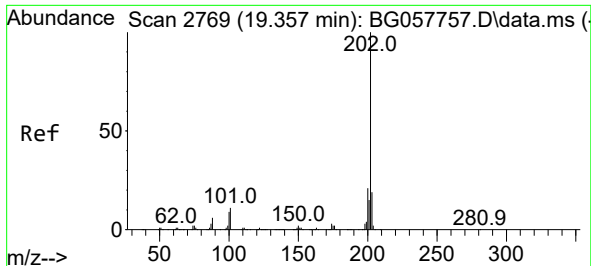
Tgt Ion:178 Resp: 63942
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.0 13.3 19.9



#73
 Carbazole
 Concen: 2.167 ng
 RT: 17.706 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BG057781.D
 Acq: 20 Jun 2023 18:19

Tgt Ion:167 Resp: 24355
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.4 27.6
 139 13.2 9.9 14.9

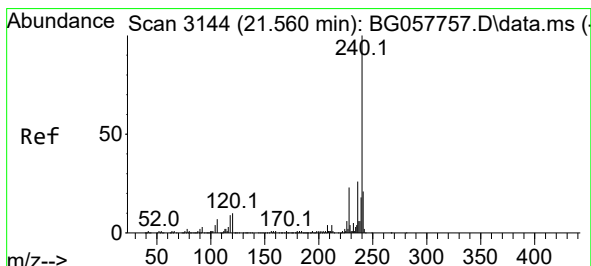
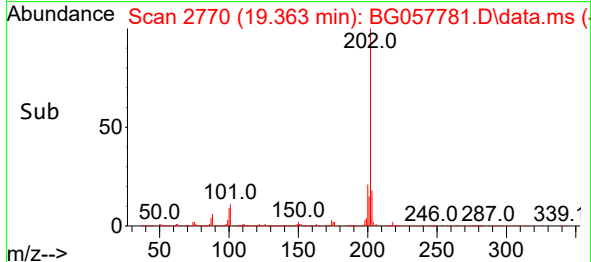
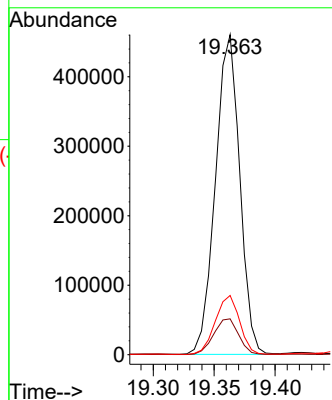
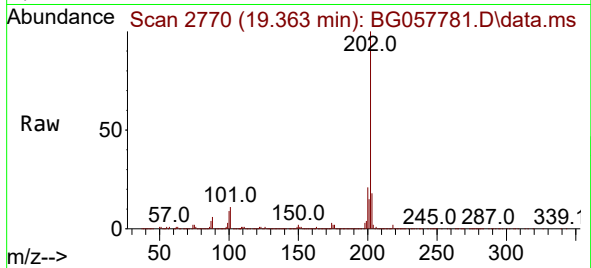




#75
Fluoranthene
Concen: 44.929 ng
RT: 19.363 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

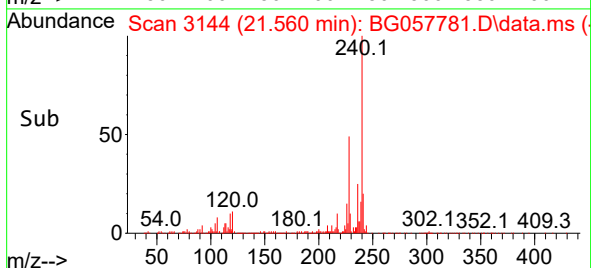
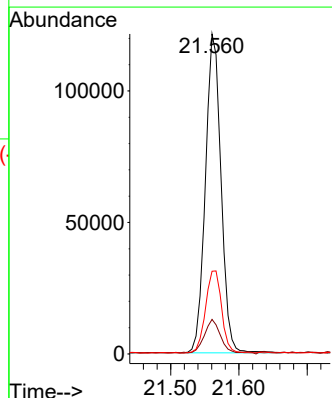
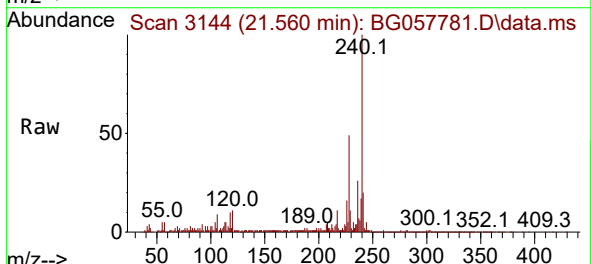
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

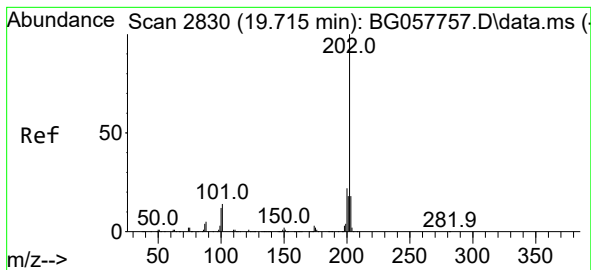
Tgt Ion:202 Resp: 639030
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.3
203 18.5 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

Tgt Ion:240 Resp: 193336
Ion Ratio Lower Upper
240 100
120 10.8 8.1 12.1
236 25.9 20.6 30.8





#78

Pyrene

Concen: 46.804 ng

RT: 19.721 min Scan# 2

Delta R.T. 0.006 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

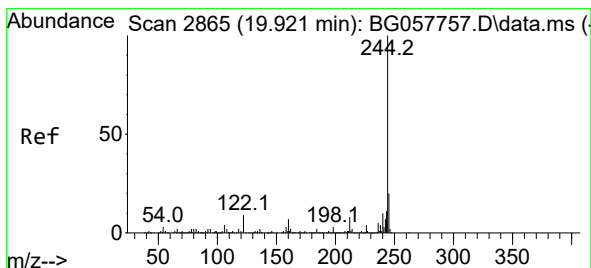
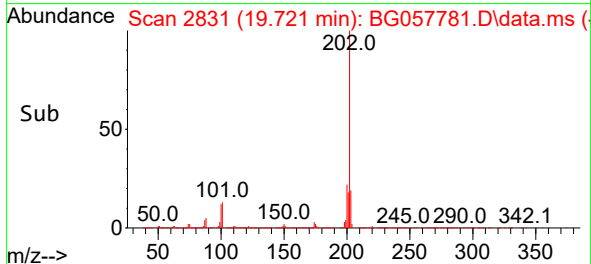
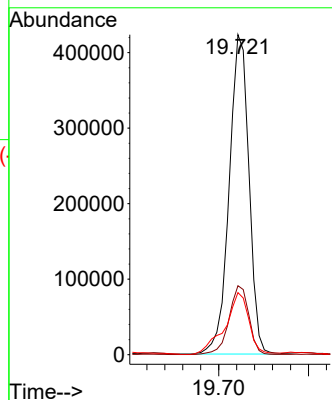
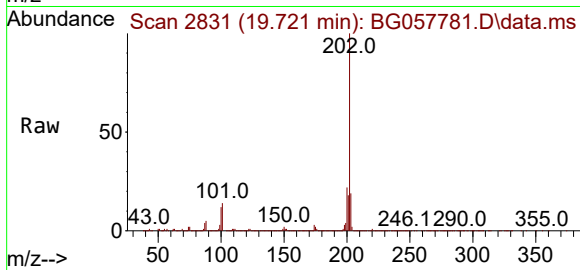
Tgt Ion:202 Resp: 645501

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.0

203 19.4 14.6 22.0



#79

Terphenyl-d14

Concen: 46.971 ng

RT: 19.921 min Scan# 2865

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

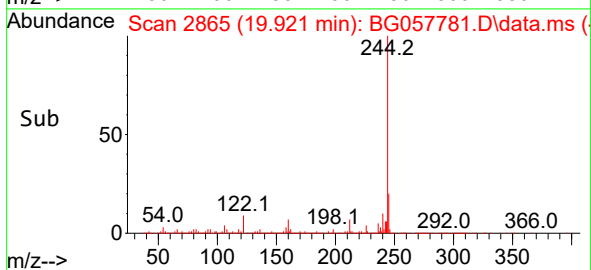
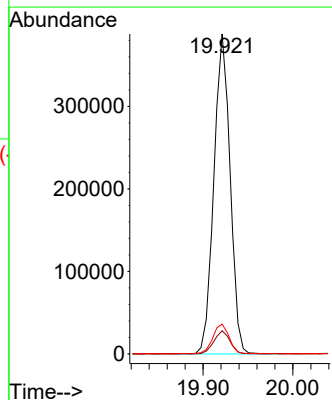
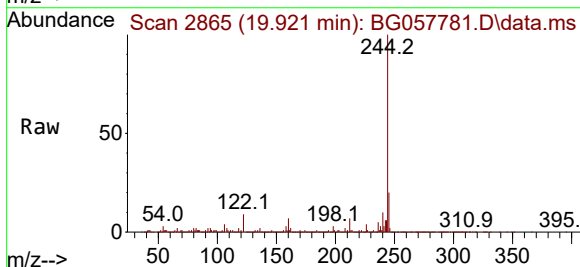
Tgt Ion:244 Resp: 487015

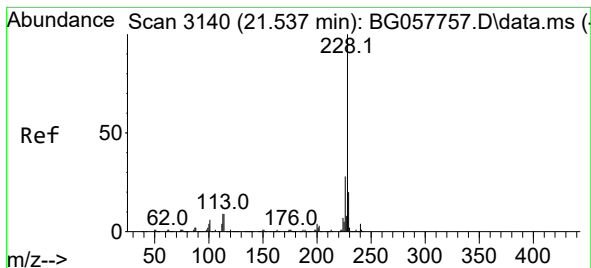
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 9.4 7.6 11.4





#81

Benzo(a)anthracene

Concen: 28.266 ng

RT: 21.543 min Scan# 3141

Delta R.T. 0.006 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

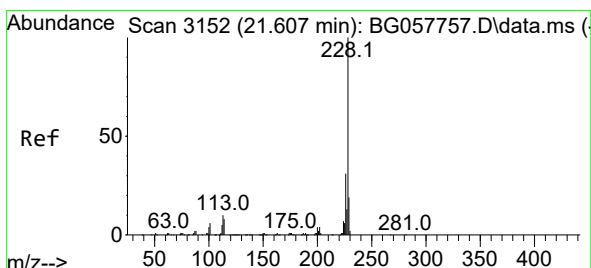
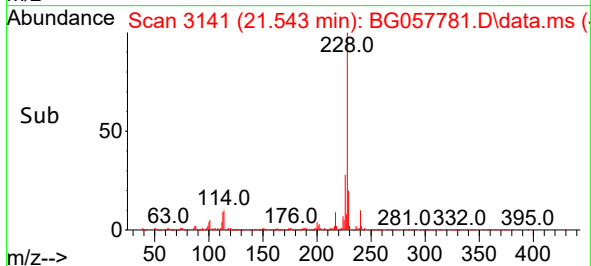
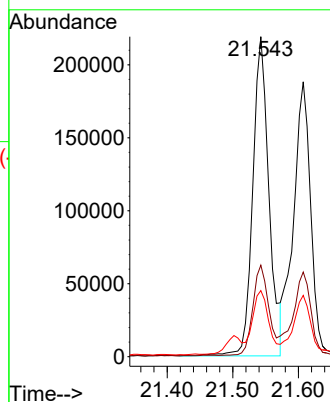
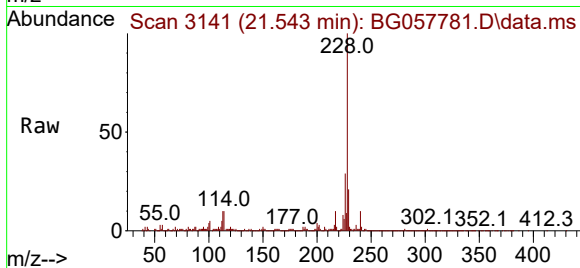
Tgt Ion:228 Resp: 374934

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

229 20.6 16.3 24.5



#83

Chrysene

Concen: 27.010 ng

RT: 21.607 min Scan# 3152

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

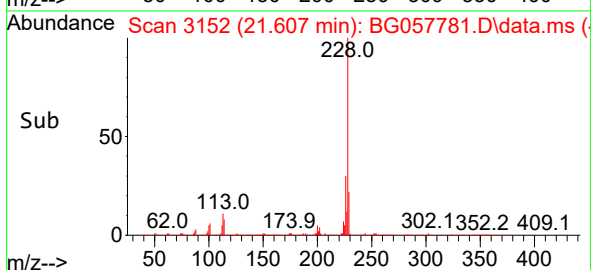
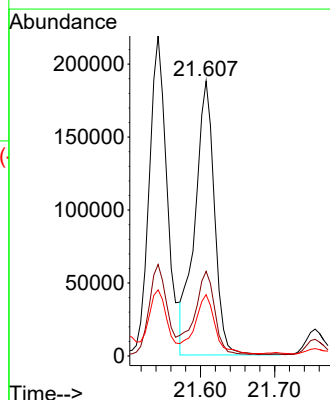
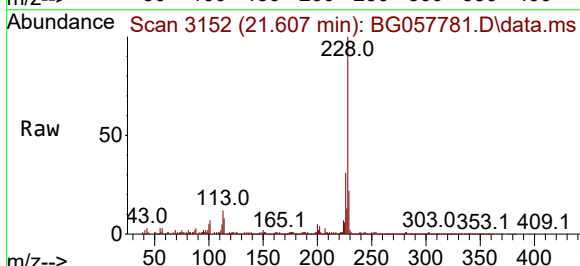
Tgt Ion:228 Resp: 343837

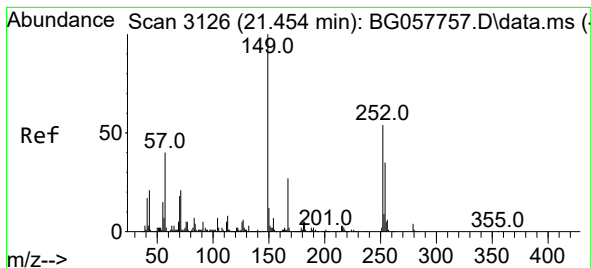
Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

229 22.3 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.789 ng

RT: 21.455 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

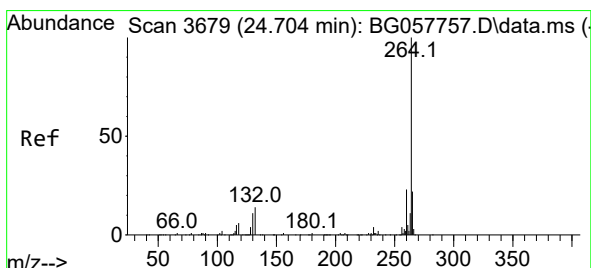
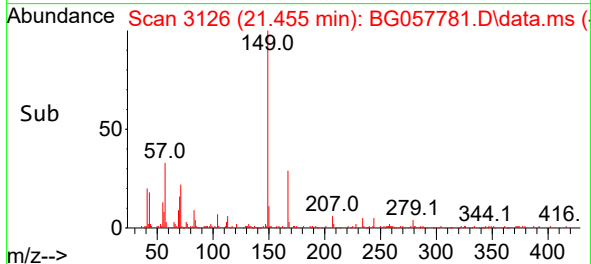
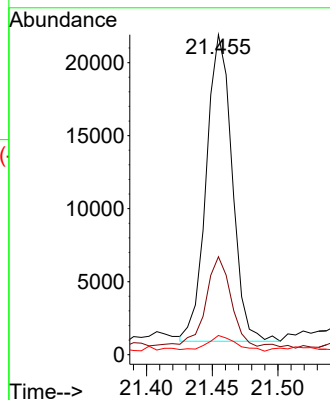
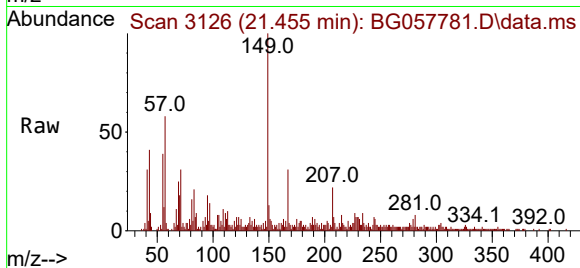
Tgt Ion:149 Resp: 28862

Ion Ratio Lower Upper

149 100

167 30.6 21.8 32.8

279 6.0 2.9 4.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.721 min Scan# 3682

Delta R.T. 0.018 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

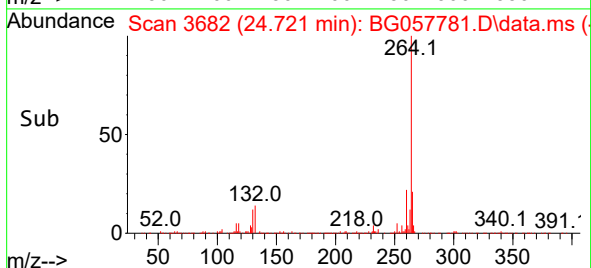
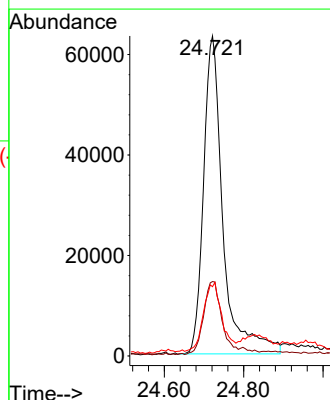
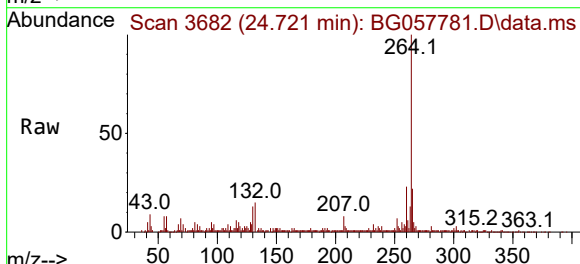
Tgt Ion:264 Resp: 215334

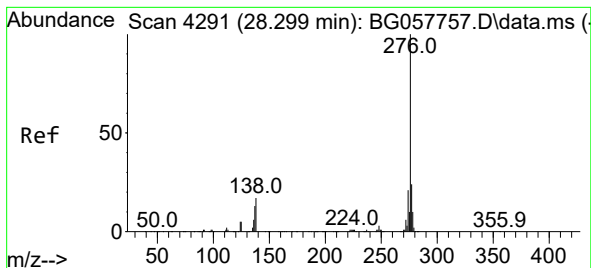
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.069 ng

RT: 28.311 min Scan# 41

Delta R.T. 0.012 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

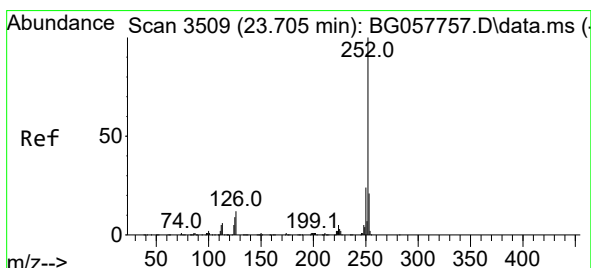
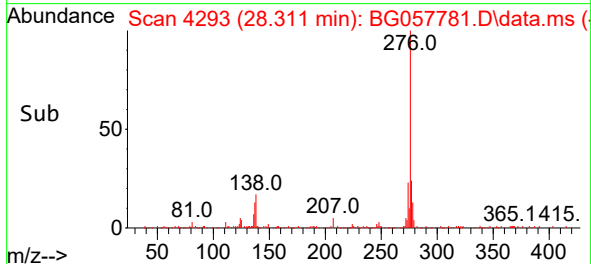
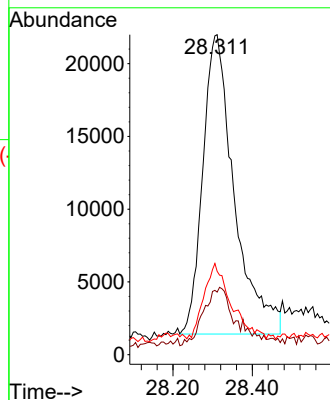
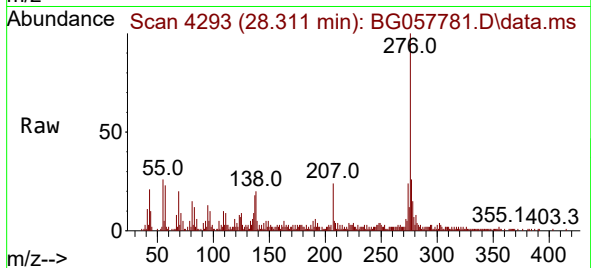
Tgt Ion:276 Resp: 113605

Ion Ratio Lower Upper

276 100

138 16.3 11.3 16.9

277 21.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 33.080 ng

RT: 23.717 min Scan# 3511

Delta R.T. 0.012 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

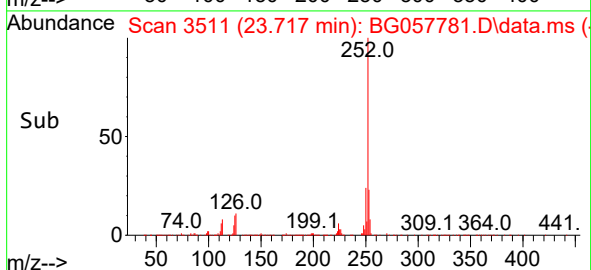
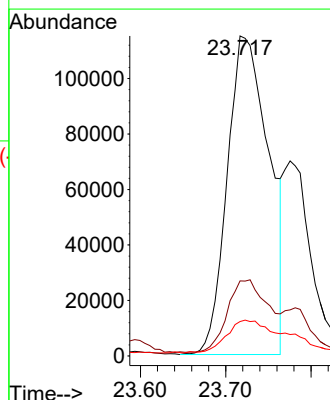
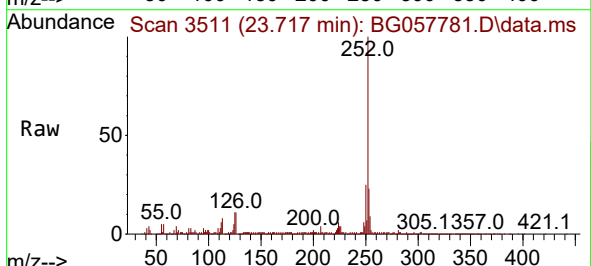
Tgt Ion:252 Resp: 390346

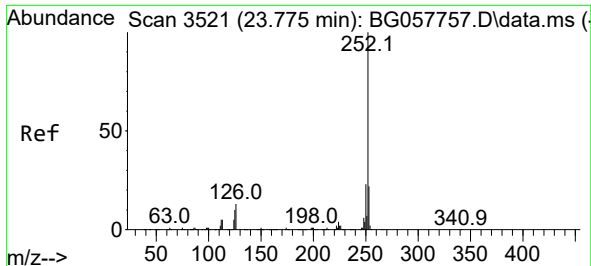
Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 10.8 7.4 11.0

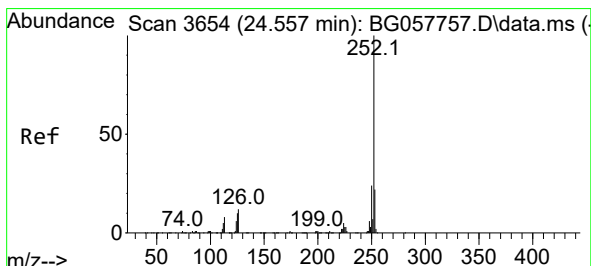
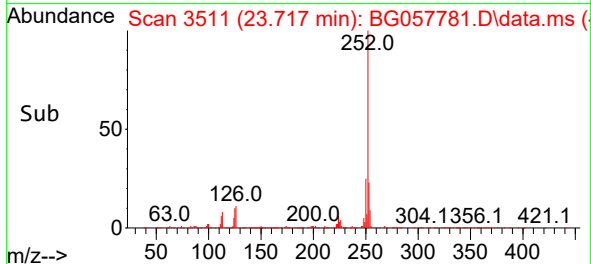
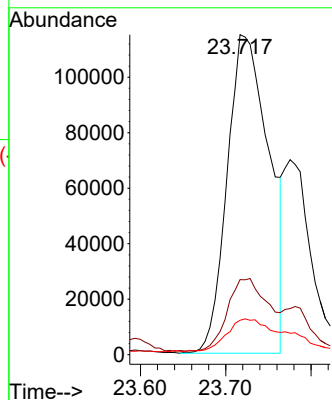
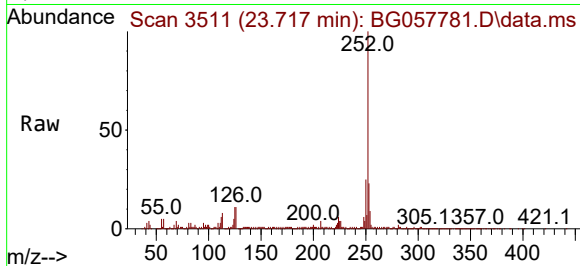




#89
Benzo(k)fluoranthene
Concen: 32.480 ng
RT: 23.717 min Scan# 3511
Delta R.T. -0.059 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

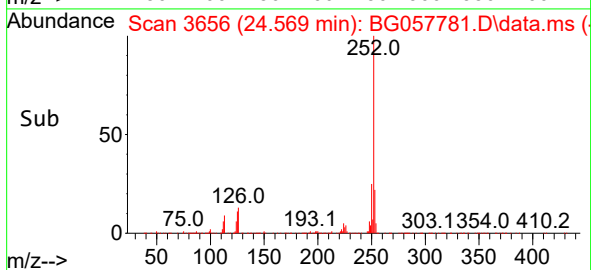
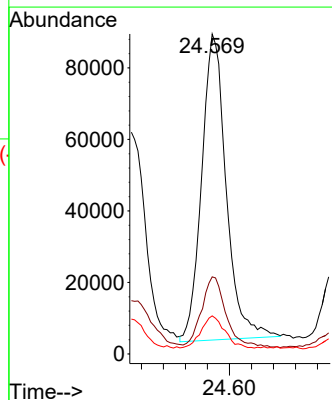
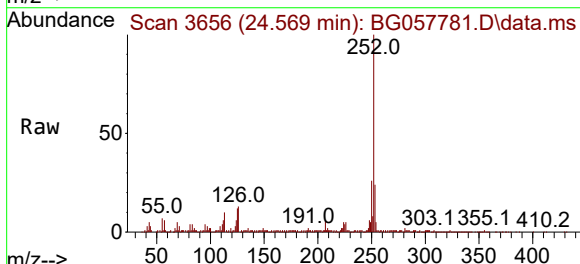
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

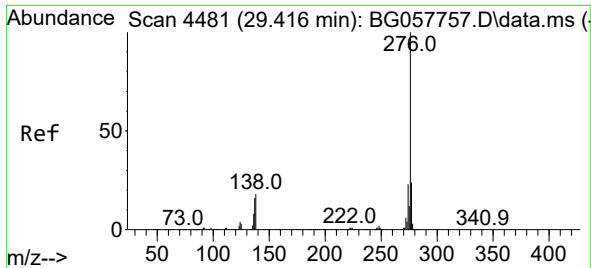
Tgt Ion:252 Resp: 390346
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.8 7.6 11.4



#90
Benzo(a)pyrene
Concen: 22.860 ng
RT: 24.569 min Scan# 3656
Delta R.T. 0.012 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

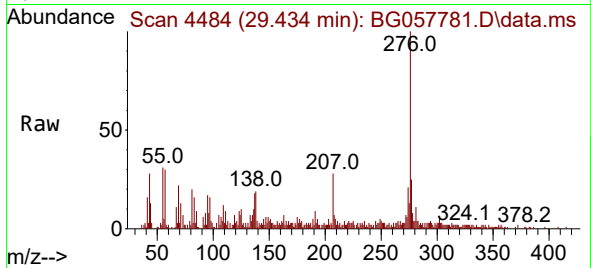
Tgt Ion:252 Resp: 264919
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 11.9 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 8.157 ng
 RT: 29.434 min Scan# 44
 Delta R.T. 0.018 min
 Lab File: BG057781.D
 Acq: 20 Jun 2023 18:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0



Tgt Ion:	276	Resp:	95413
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	19.2	14.2	21.4

