

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)

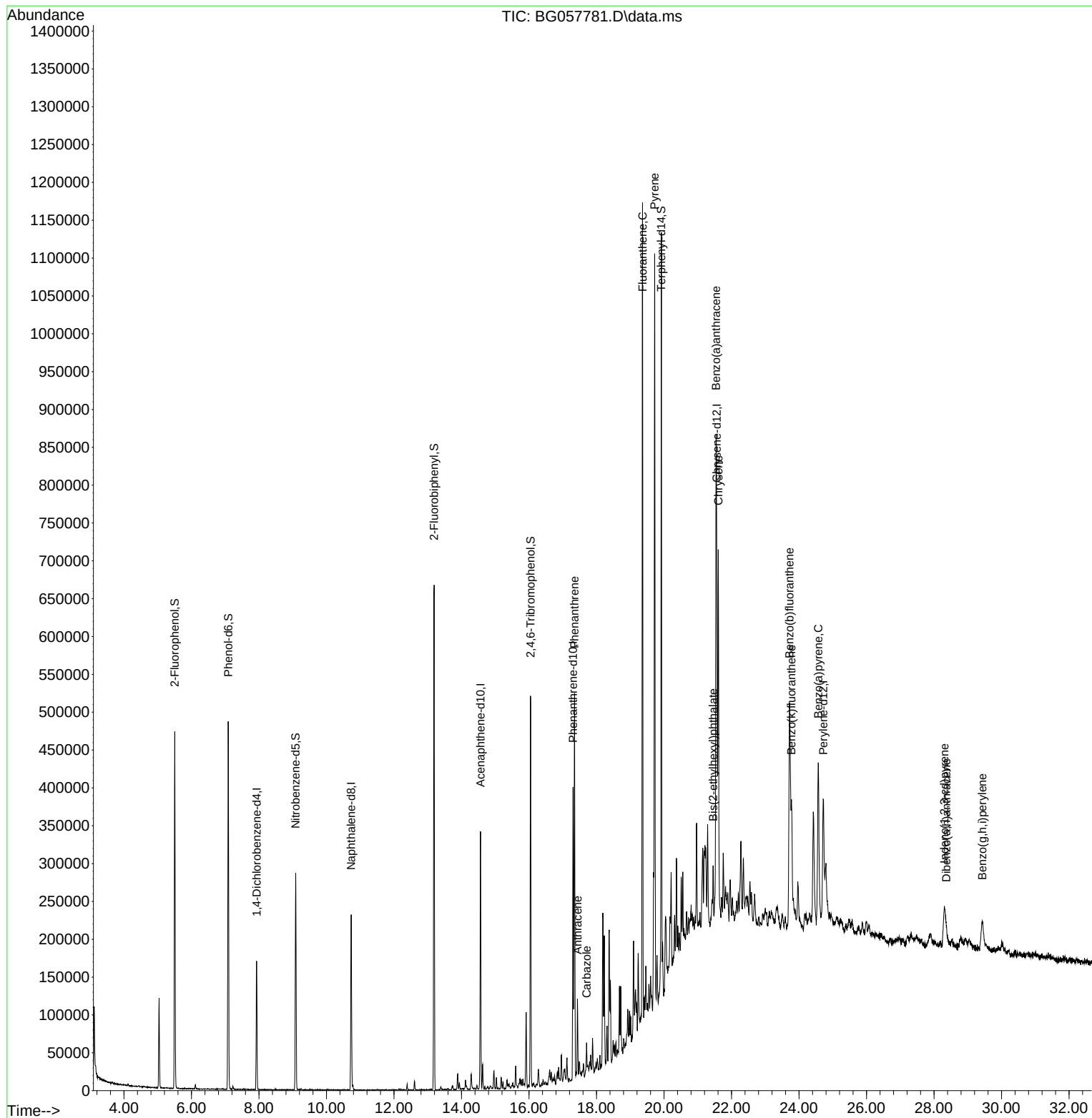
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	45949	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	189378	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	118121	20.000	ng	0.00
64) Phenanthrene-d10	17.307	188	246586	20.000	ng	0.00
76) Chrysene-d12	21.560	240	193336	20.000	ng	0.00
86) Perylene-d12	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
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	23.776	252	165820m	13.798	ng	
90) Benzo(a)pyrene	24.569	252	264919	22.860	ng	95
91) Dibenzo(a,h)anthracene	28.364	278	29818m	2.553	ng	
92) Benzo(g,h,i)perylene	29.434	276	102032m	8.723	ng	

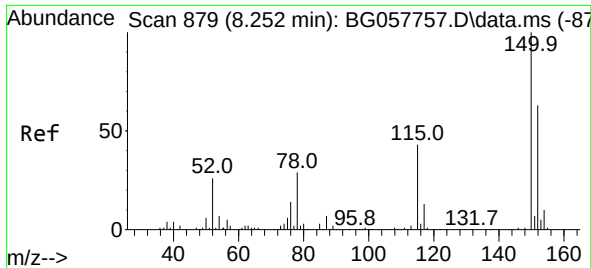
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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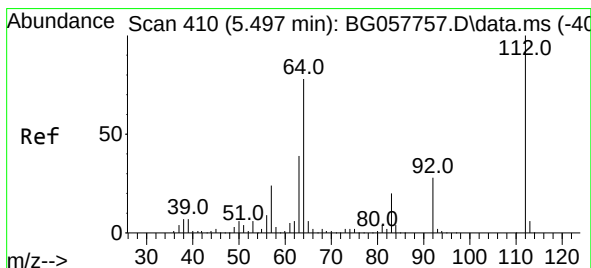
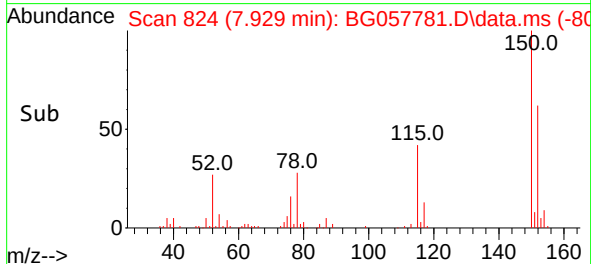
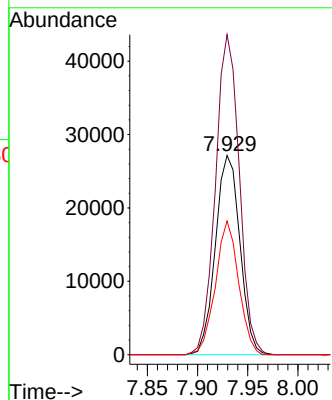
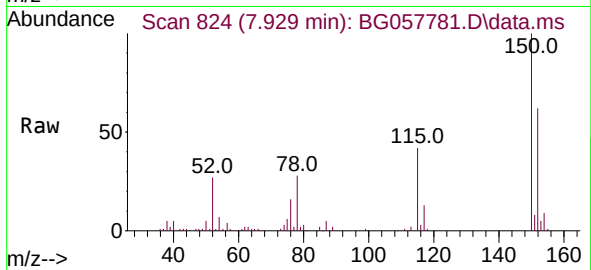




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

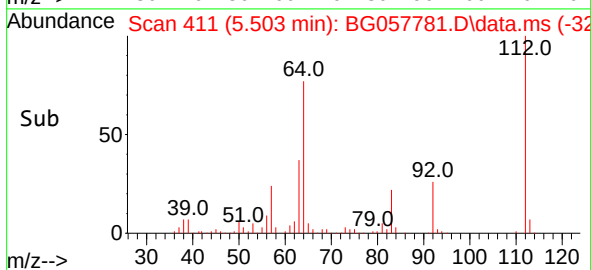
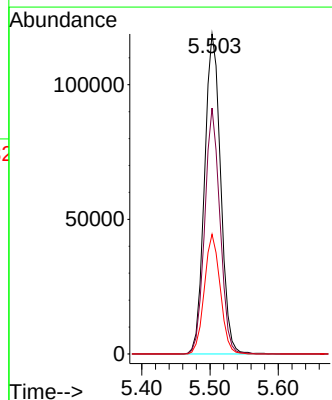
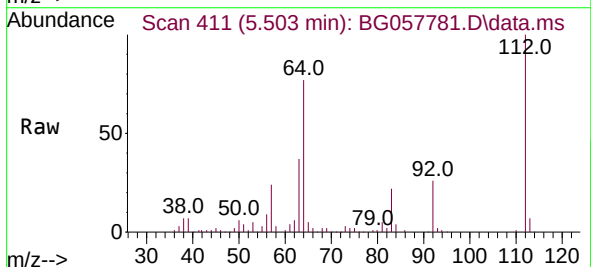
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

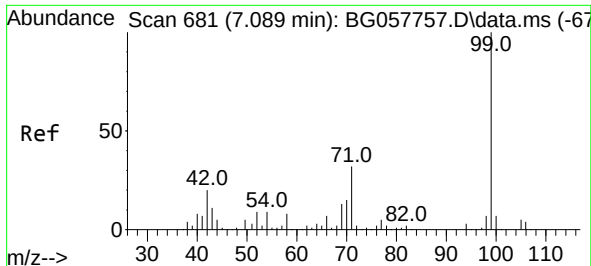
Tgt Ion:152 Resp: 45949
Ion Ratio Lower Upper
152 100
150 160.7 126.6 189.8
115 67.1 48.9 73.3



#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

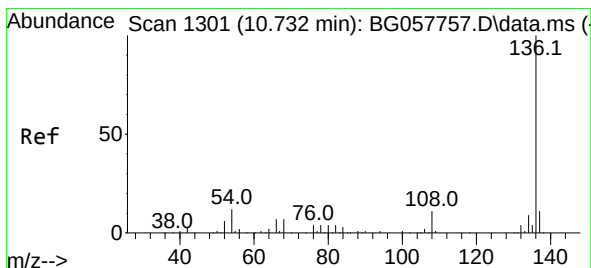
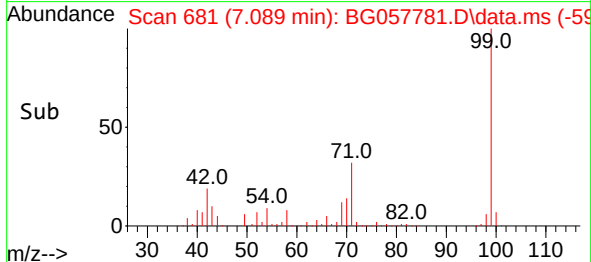
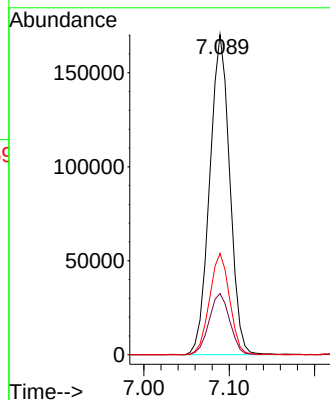
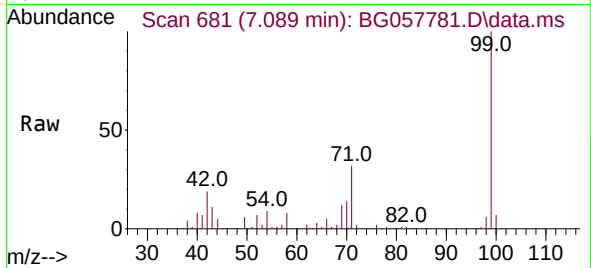




#7
Phenol-d6
Concen: 61.318 ng
RT: 7.089 min Scan# 681
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

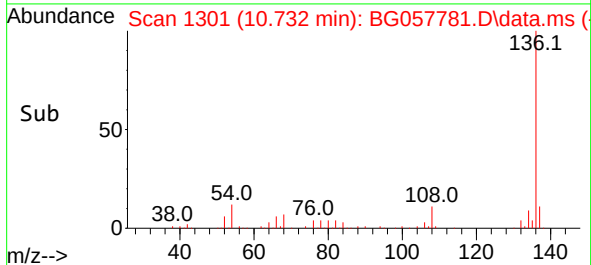
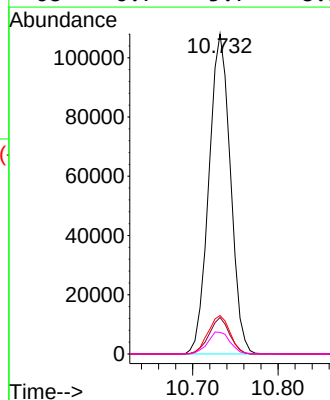
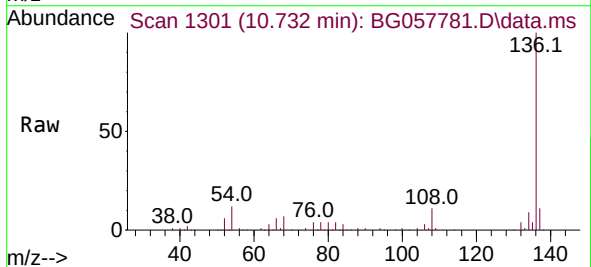
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

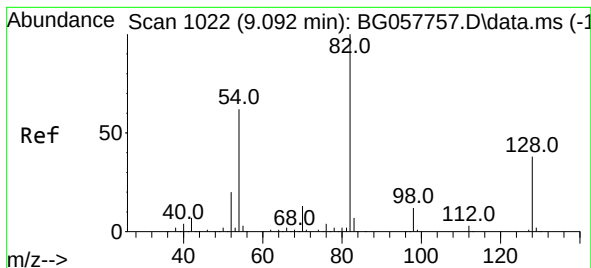
Tgt Ion: 99 Resp: 278817
Ion Ratio Lower Upper
99 100
42 19.1 16.4 24.6
71 31.6 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

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# 1022

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

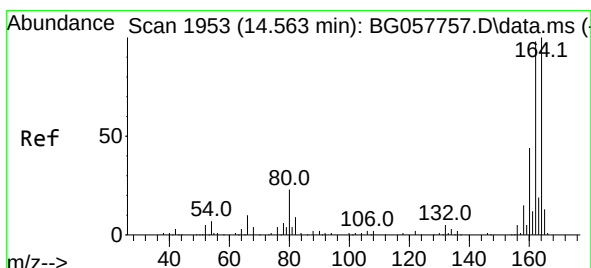
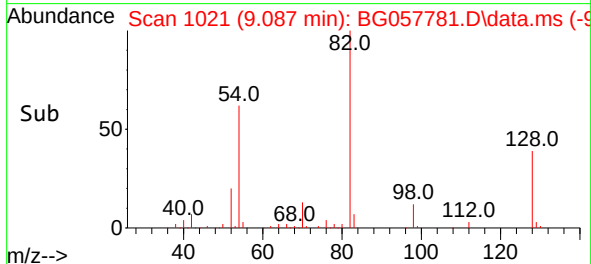
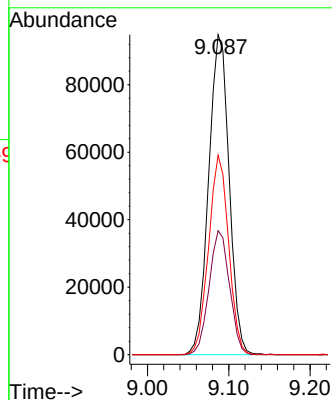
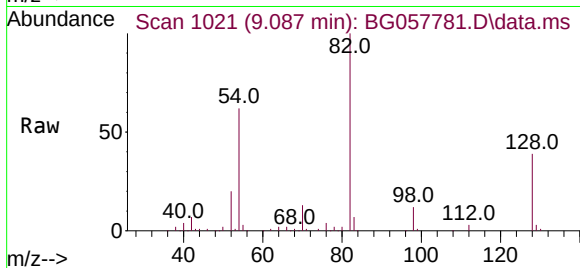
Tgt Ion: 82 Resp: 165750

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

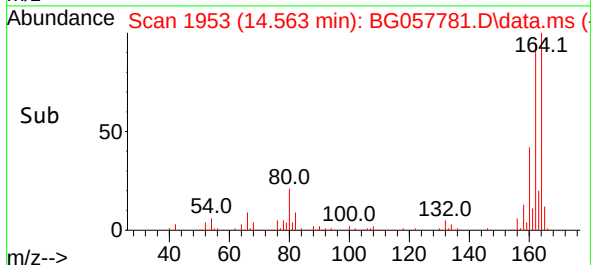
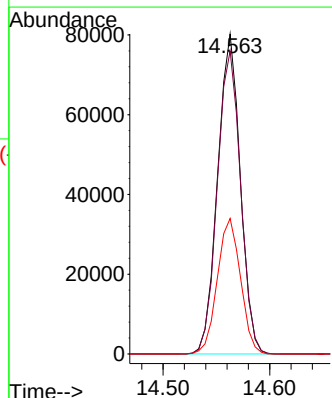
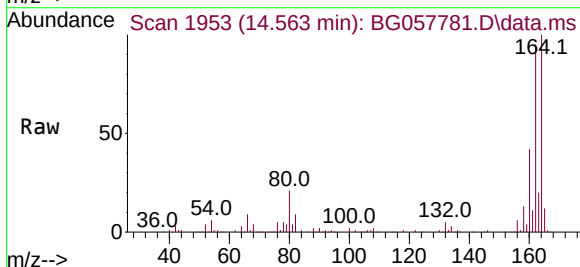
Tgt Ion:164 Resp: 118121

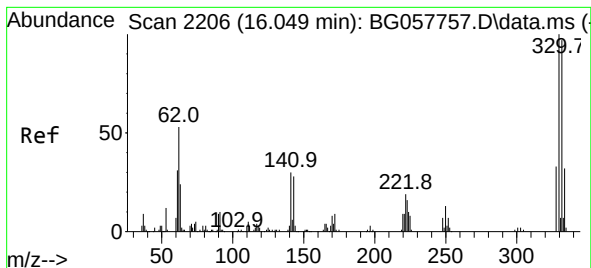
Ion Ratio Lower Upper

164 100

162 94.7 78.3 117.5

160 42.4 35.4 53.0

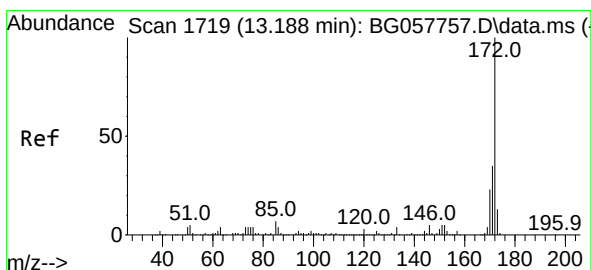
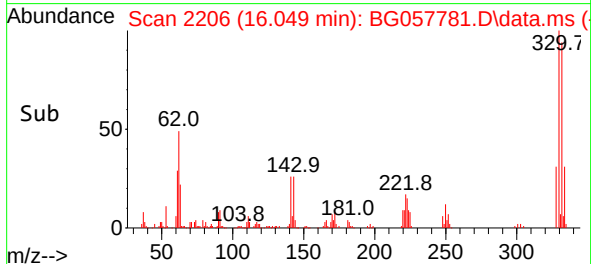
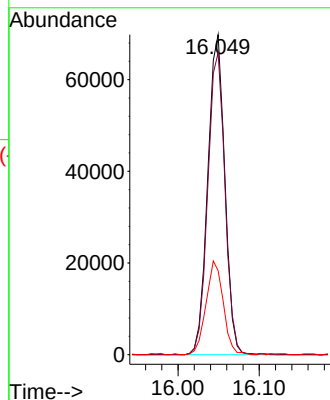
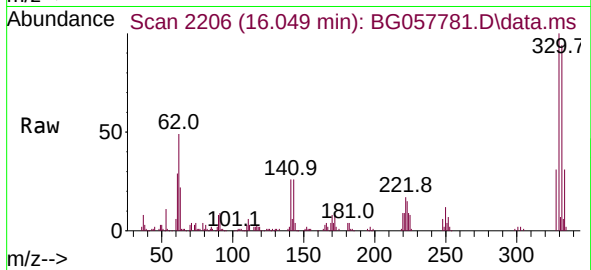




#42
2,4,6-Tribromophenol
Concen: 61.765 ng
RT: 16.049 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

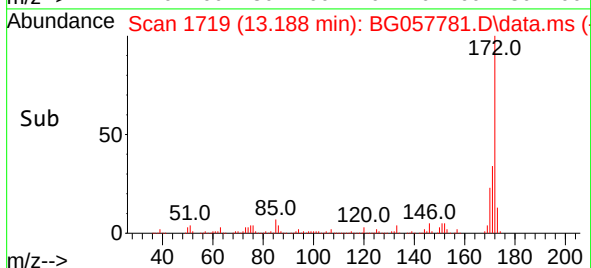
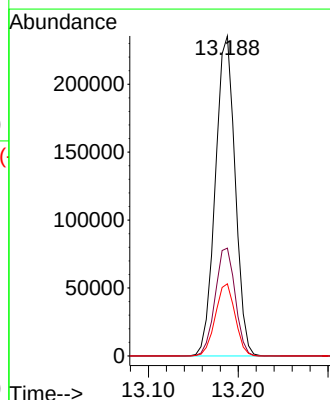
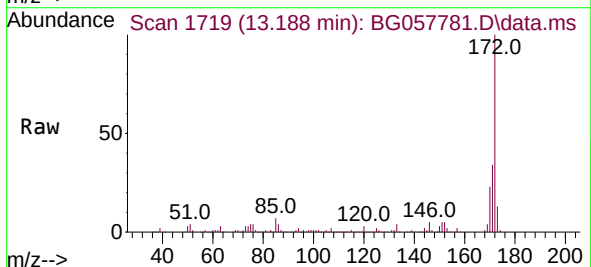
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

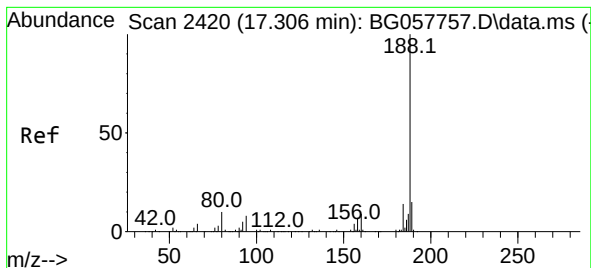
Tgt Ion:330 Resp: 101629
Ion Ratio Lower Upper
330 100
332 95.0 76.6 115.0
141 29.5 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 46.205 ng
RT: 13.188 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 2420

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

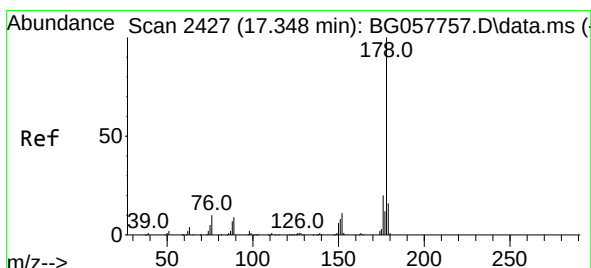
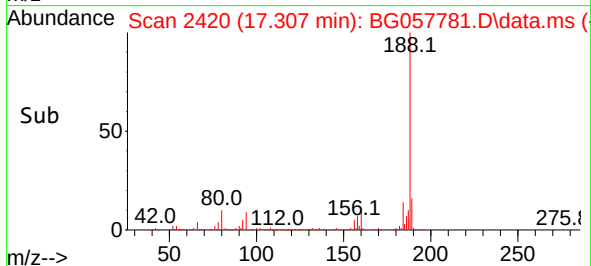
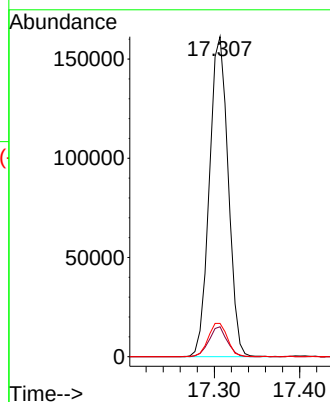
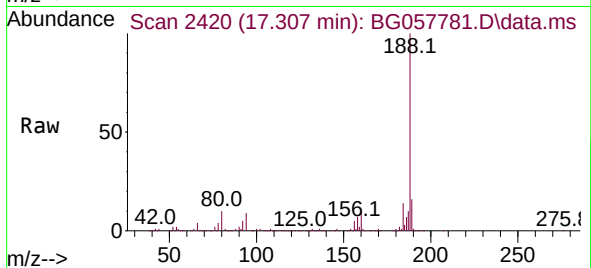
Tgt Ion:188 Resp: 246586

Ion Ratio Lower Upper

188 100

94 9.4 6.6 9.8

80 10.4 7.6 11.4



#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

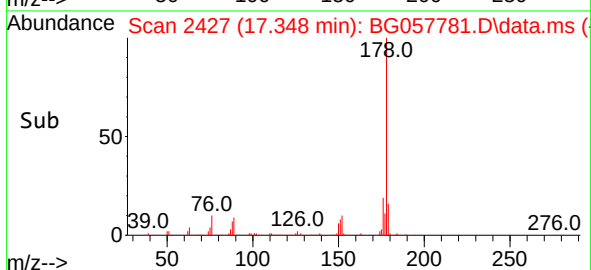
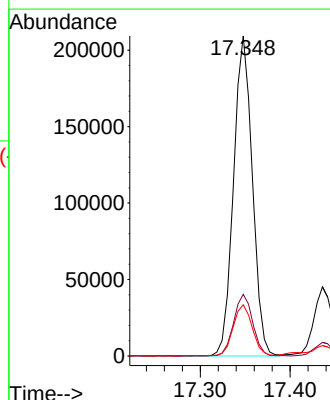
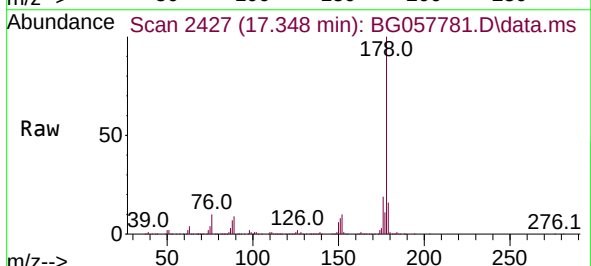
Tgt Ion:178 Resp: 304436

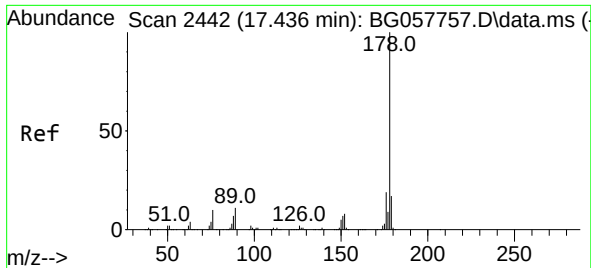
Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

179 16.0 13.0 19.6

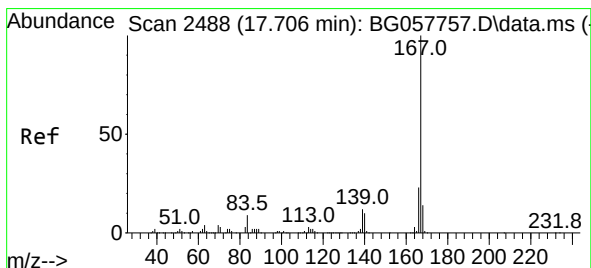
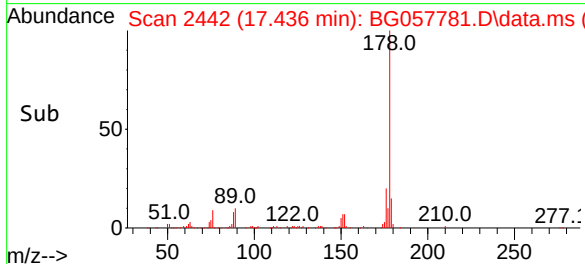
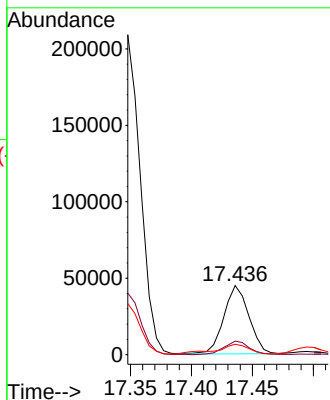
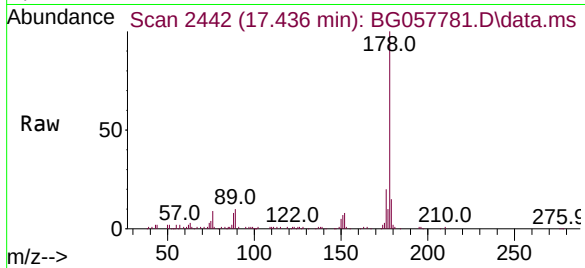




#72
 Anthracene
 Concen: 5.245 ng
 RT: 17.436 min Scan# 2442
 Delta R.T. 0.000 min
 Lab File: BG057781.D
 Acq: 20 Jun 2023 18:19

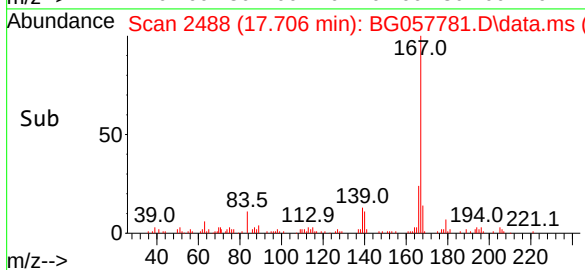
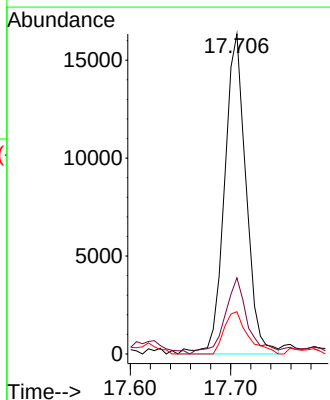
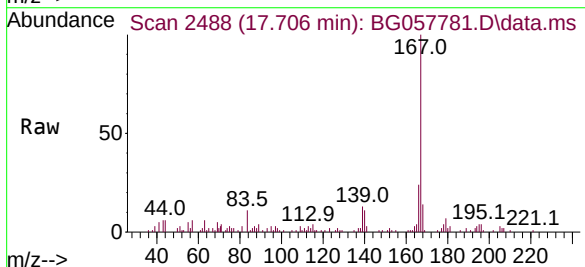
Instrument :
 BNA_G
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 SB-03-0-2.0

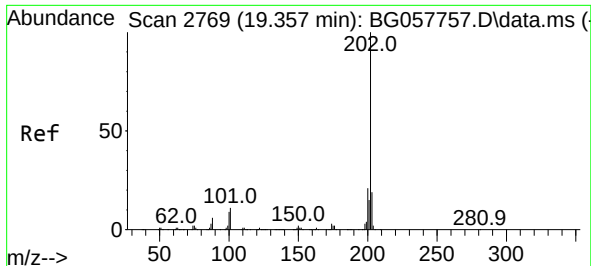
Tgt Ion:	178	Resp:	63942
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.0	13.3	19.9



#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

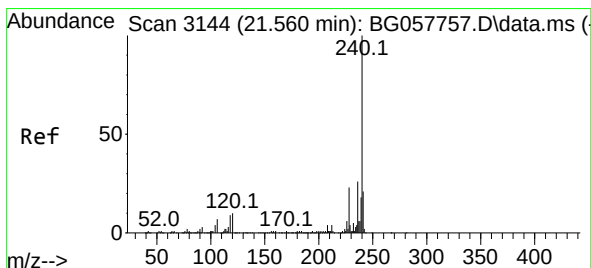
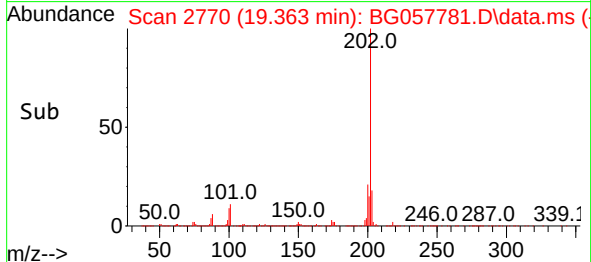
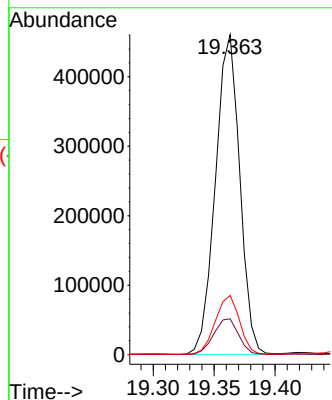
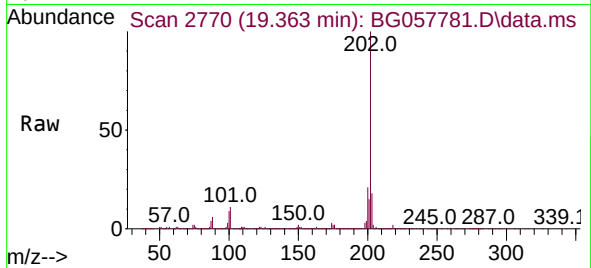




#75
Fluoranthene
Concen: 44.929 ng
RT: 19.363 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

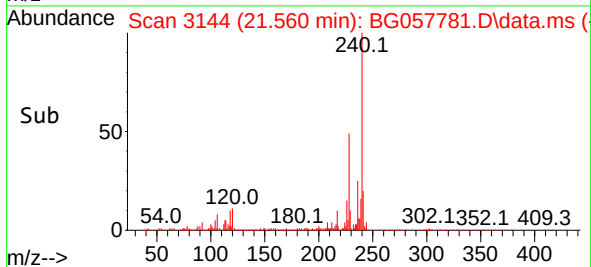
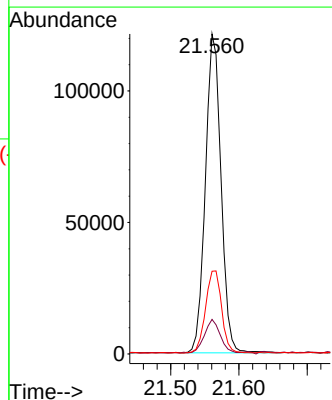
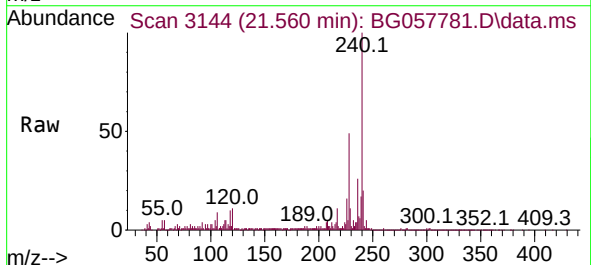
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

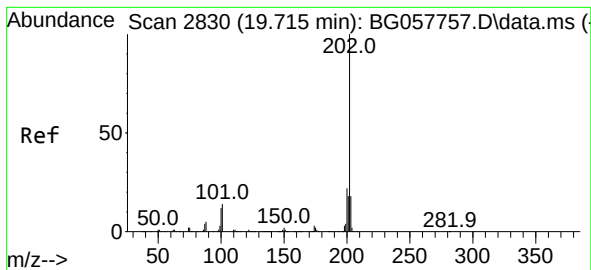
Tgt Ion:202 Resp: 639030
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.3
203 18.5 0.0 38.7



#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# 2831

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

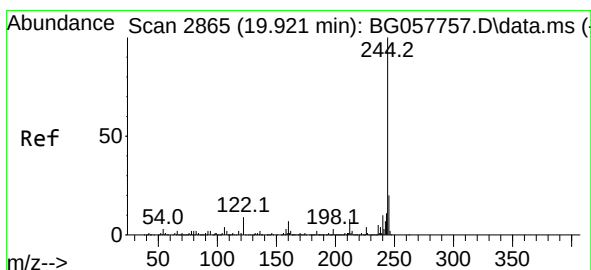
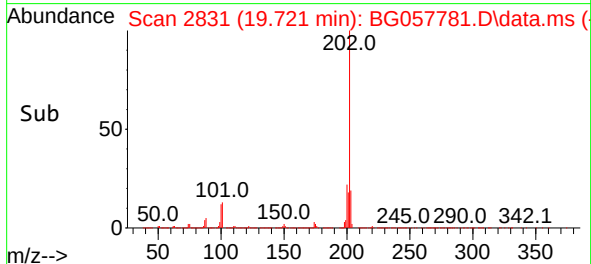
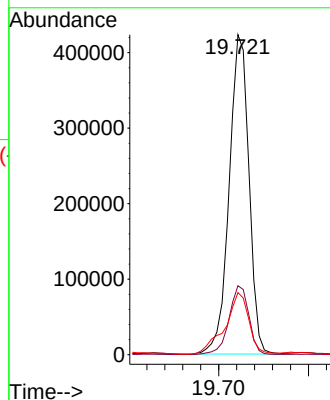
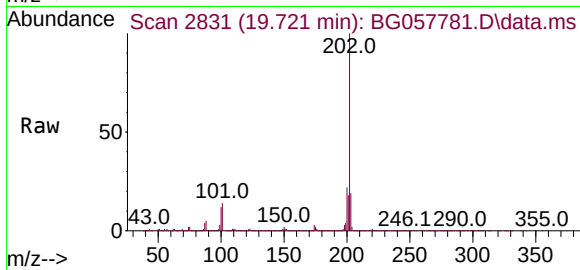
Tgt Ion:202 Resp: 645501

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

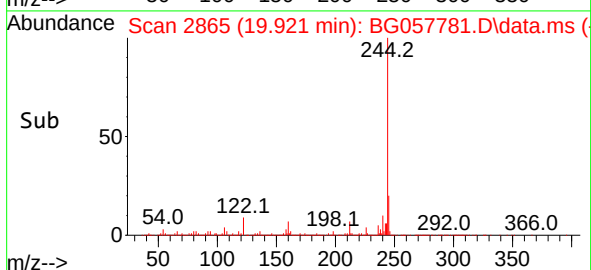
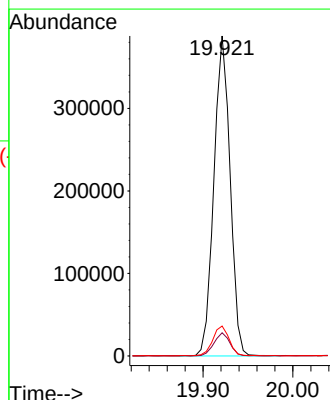
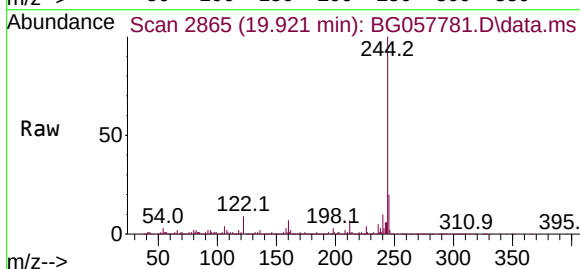
Tgt Ion:244 Resp: 487015

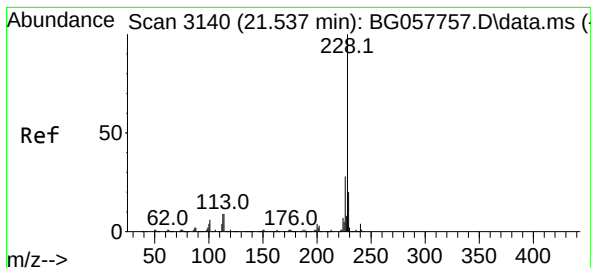
Ion Ratio Lower Upper

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

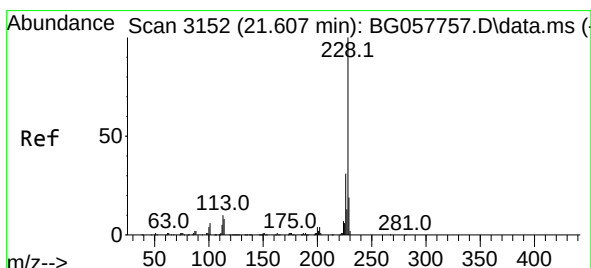
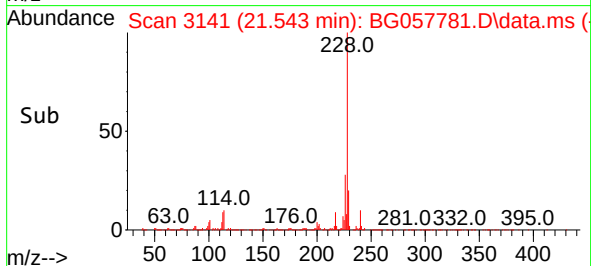
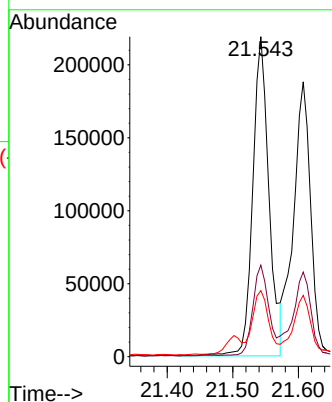
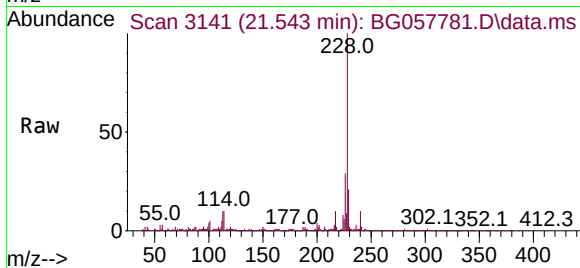
Tgt Ion:228 Resp: 374934

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

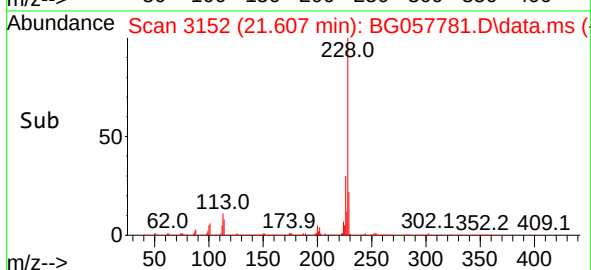
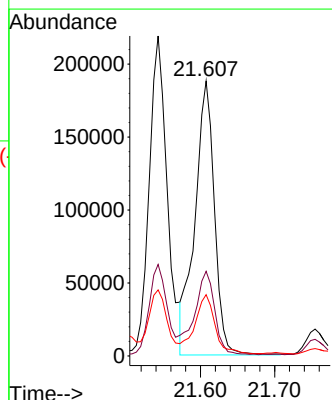
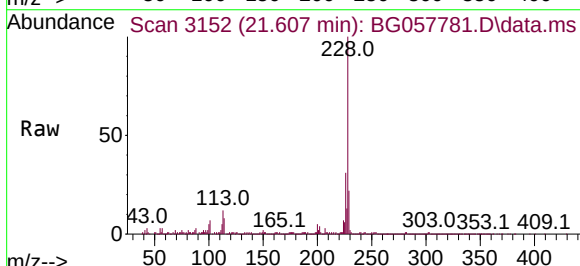
Tgt Ion:228 Resp: 343837

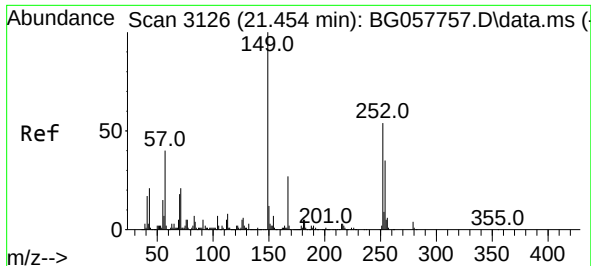
Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

229 22.3 15.6 23.4

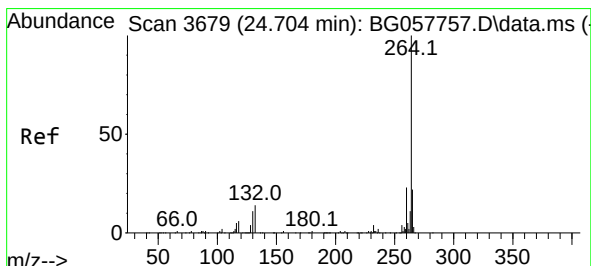
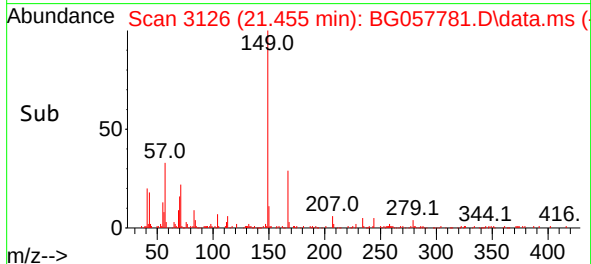
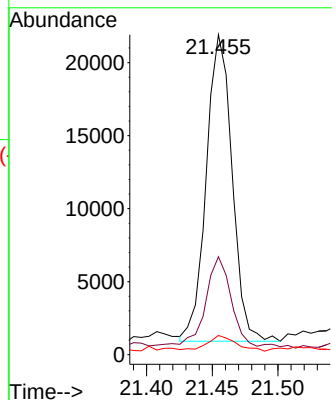
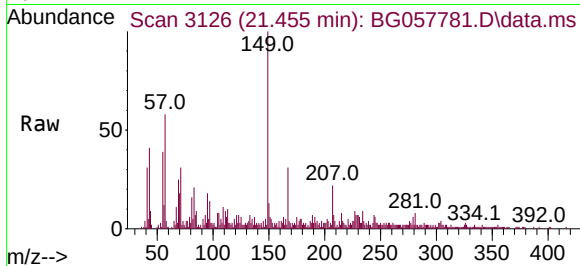




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.789 ng
 RT: 21.455 min Scan# 3126
 Delta R.T. 0.000 min
 Lab File: BG057781.D
 Acq: 20 Jun 2023 18:19

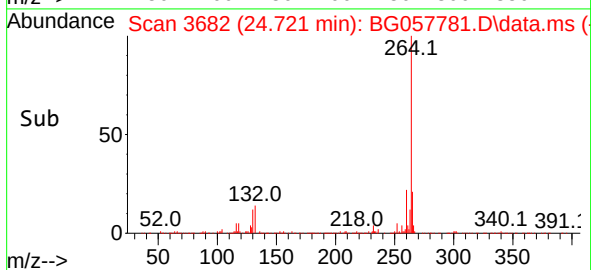
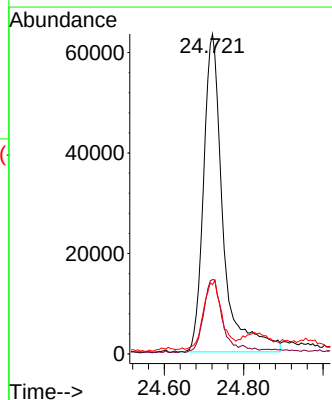
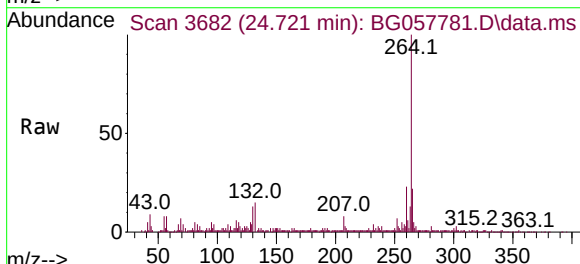
Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0

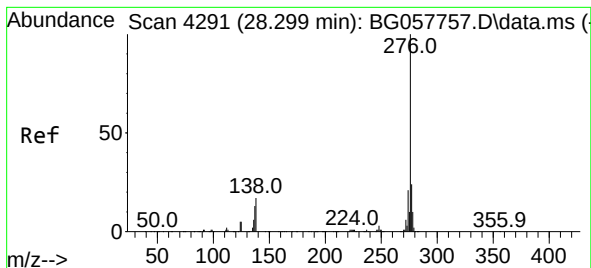
Tgt Ion:149 Resp: 28862
 Ion Ratio Lower Upper
 149 100
 167 30.6 21.8 32.8
 279 6.0 2.9 4.3#



#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

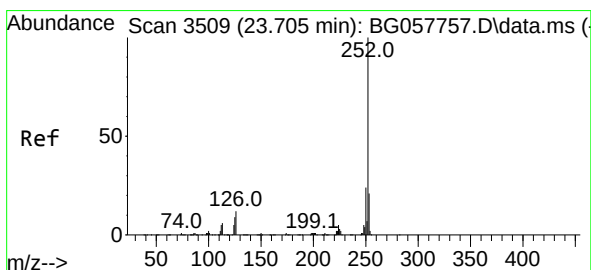
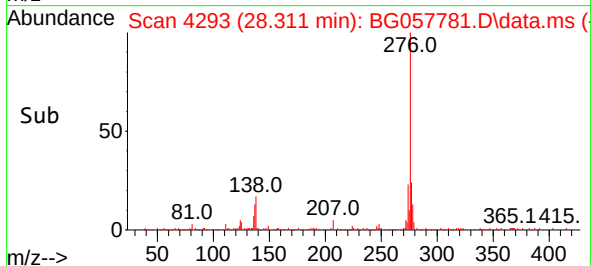
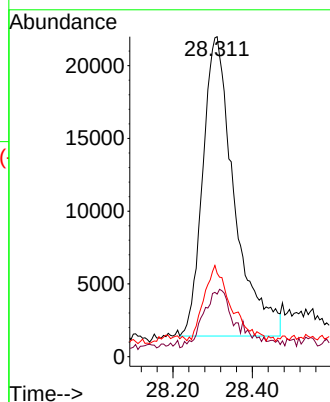
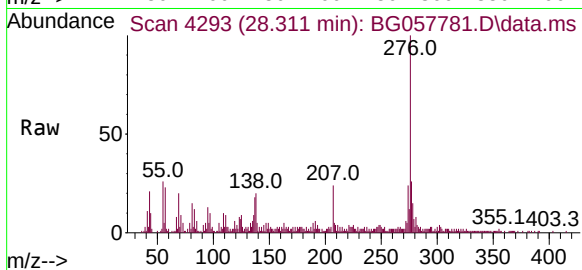
Tgt Ion:276 Resp: 113605

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

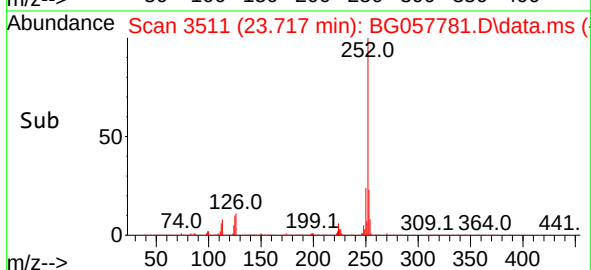
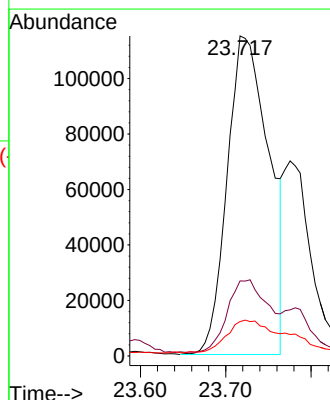
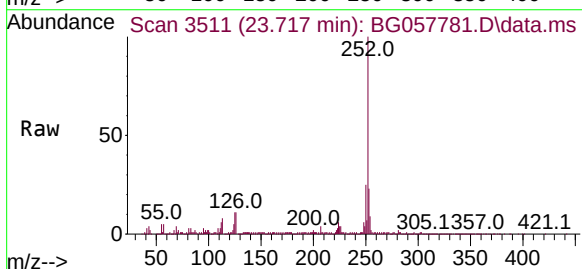
Tgt Ion:252 Resp: 390346

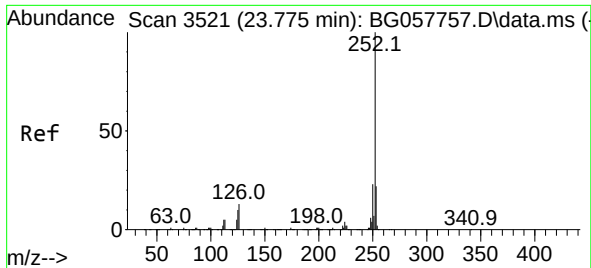
Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 10.8 7.4 11.0

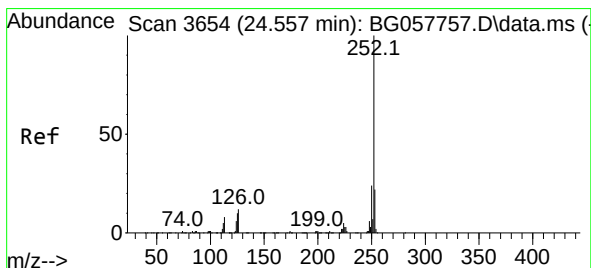
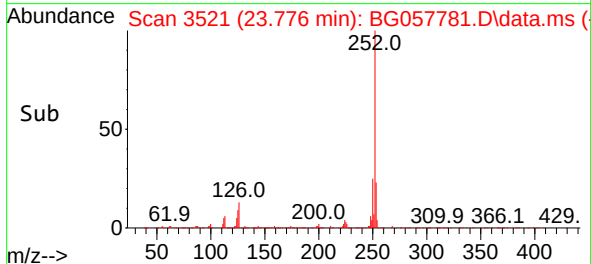
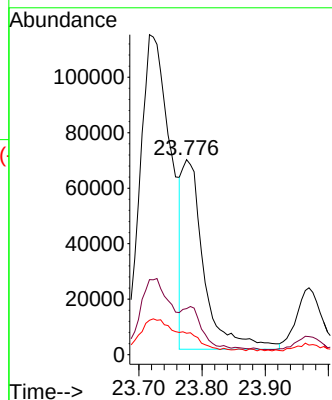
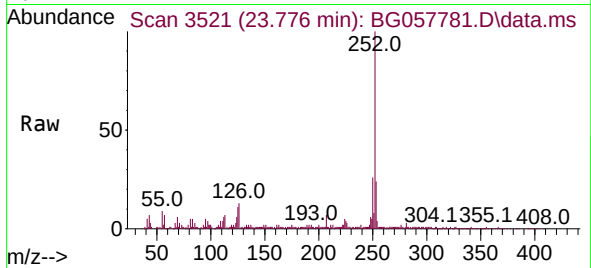




#89
Benzo(k)fluoranthene
Concen: 13.798 ng m
RT: 23.776 min Scan# 3521
Delta R.T. 0.000 min
Lab File: BG057781.D
Acq: 20 Jun 2023 18:19

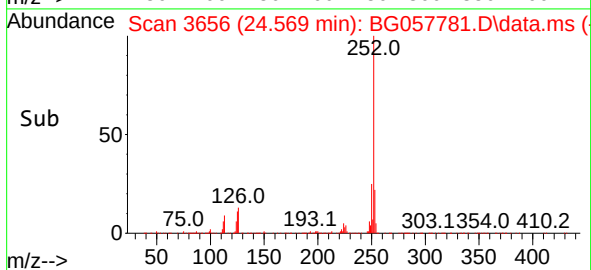
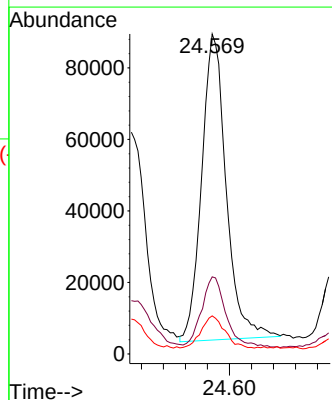
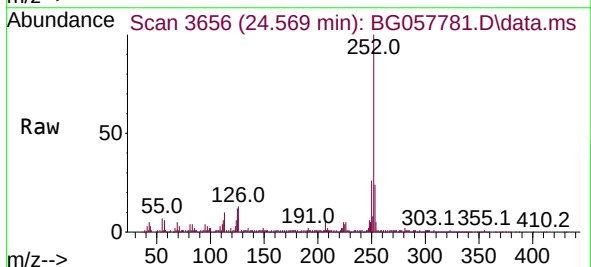
Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

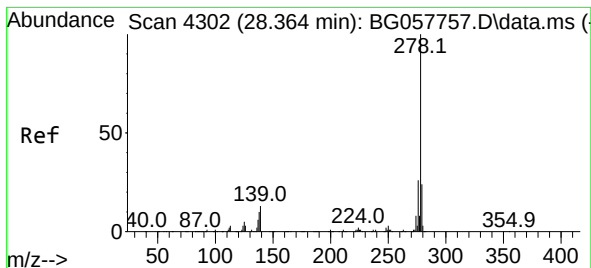
Tgt Ion:252 Resp: 165820
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 11.0 7.6 11.4



#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





#91

Dibenzo(a,h)anthracene

Concen: 2.553 ng m

RT: 28.364 min Scan# 41

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

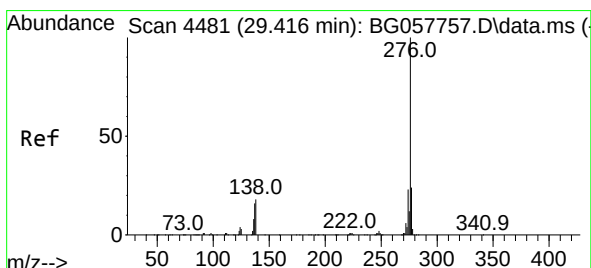
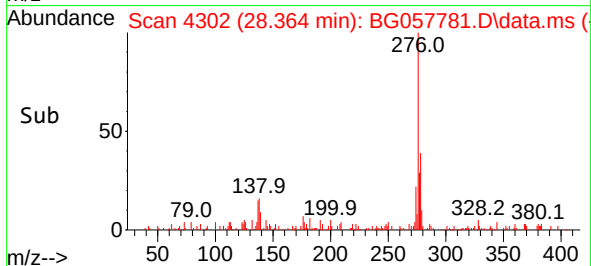
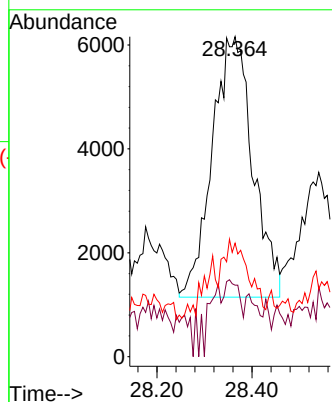
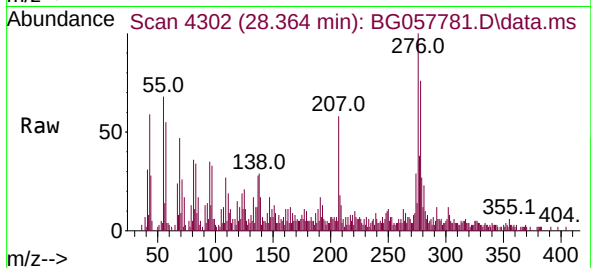
Tgt Ion:278 Resp: 29818

Ion Ratio Lower Upper

278 100

139 22.3 10.8 16.2#

279 35.5 19.0 28.4#



#92

Benzo(g,h,i)perylene

Concen: 8.723 ng m

RT: 29.434 min Scan# 4484

Delta R.T. 0.018 min

Lab File: BG057781.D

Acq: 20 Jun 2023 18:19

Tgt Ion:276 Resp: 102032

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 19.2 14.2 21.4

