

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057772.D
 Acq On : 20 Jun 2023 12:06
 Operator : CG/JU
 Sample : 03289-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-0-2.0

Quant Time: Jun 20 12:58:59 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)

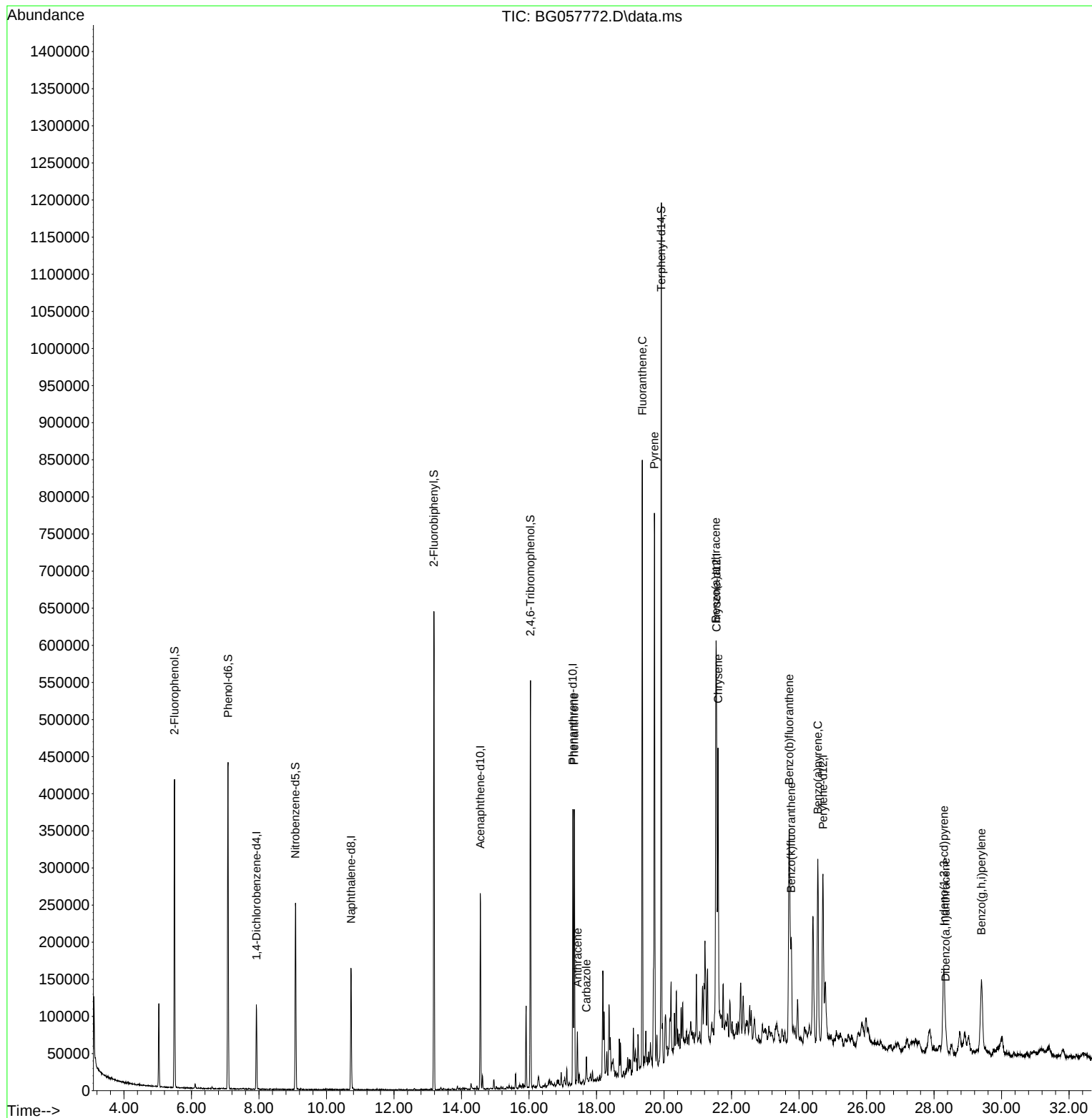
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	31248	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	130749	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	92753	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	227924	20.000	ng	0.00
76) Chrysene-d12	21.554	240	191838	20.000	ng	0.00
86) Perylene-d12	24.709	264	237031	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	171306	84.530	ng	0.00
7) Phenol-d6	7.083	99	251181	81.229	ng	0.00
23) Nitrobenzene-d5	9.080	82	149494	58.682	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	105742	81.841	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	342277	55.971	ng	0.00
79) Terphenyl-d14	19.920	244	592374	57.579	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.341	178	225446	20.429	ng	99
72) Anthracene	17.435	178	45757	4.060	ng	98
73) Carbazole	17.699	167	22674	2.182	ng	97
75) Fluoranthene	19.356	202	495967	37.725	ng	99
78) Pyrene	19.715	202	465623	34.025	ng	99
81) Benzo(a)anthracene	21.536	228	270191	20.528	ng	100
83) Chrysene	21.601	228	246744	19.534	ng	97
87) Indeno(1,2,3-cd)pyrene	28.293	276	187115	12.074	ng	# 95
88) Benzo(b)fluoranthene	23.710	252	355056	27.335	ng	95
89) Benzo(k)fluoranthene	23.769	252	119749m	9.052	ng	
90) Benzo(a)pyrene	24.556	252	260308	20.406	ng	98
91) Dibenzo(a,h)anthracene	28.346	278	51178m	3.980	ng	
92) Benzo(g,h,i)perylene	29.403	276	188091	14.609	ng	98

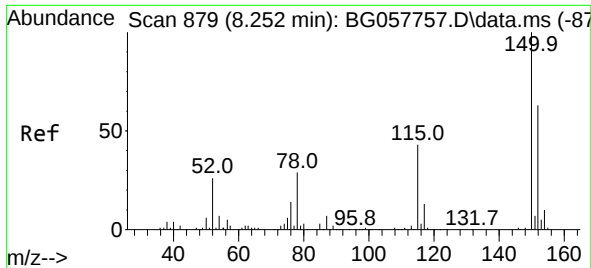
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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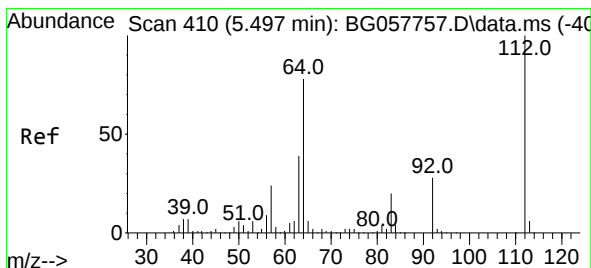
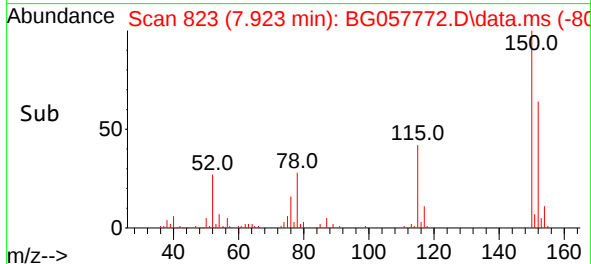
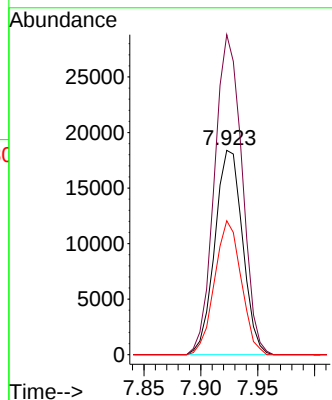
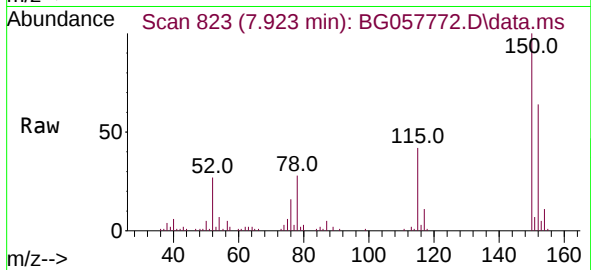




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

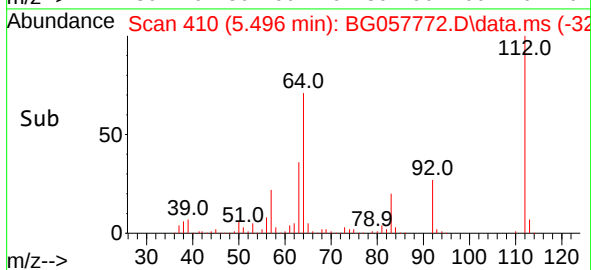
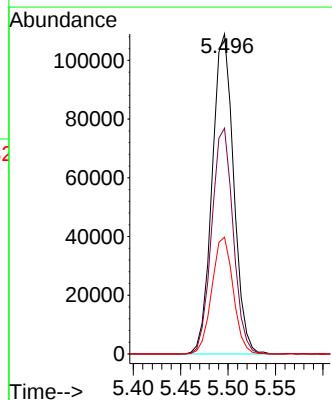
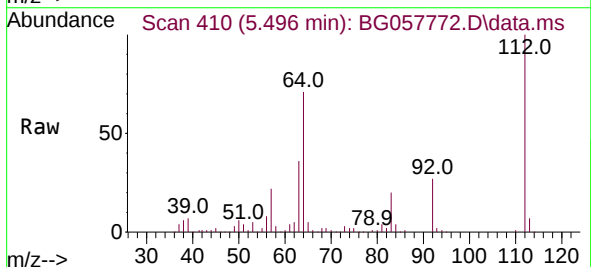
Instrument :
BNA_G
ClientSampleId :
SB-02-0-2.0

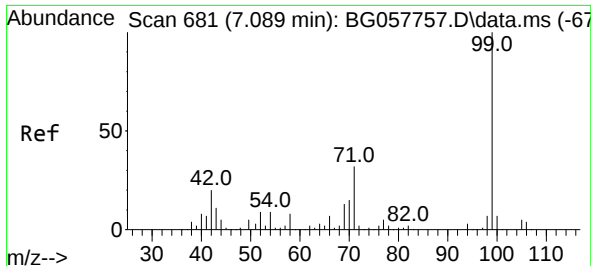
Tgt Ion:152 Resp: 31248
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 65.5 48.9 73.3



#5
2-Fluorophenol
Concen: 84.530 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.001 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

Tgt Ion:112 Resp: 171306
Ion Ratio Lower Upper
112 100
64 70.6 62.1 93.1
63 36.5 31.5 47.3

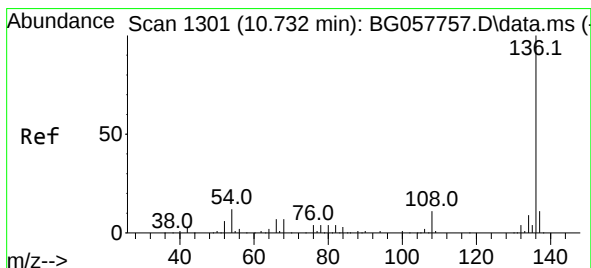
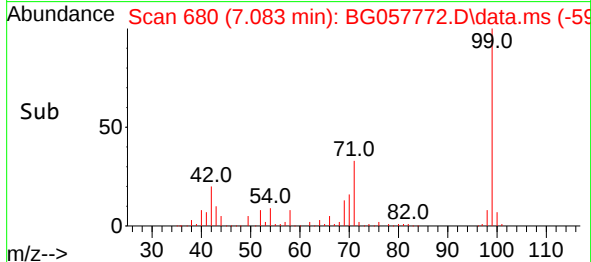
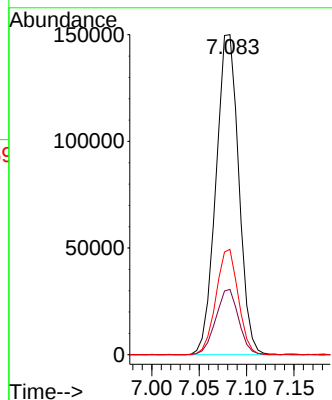
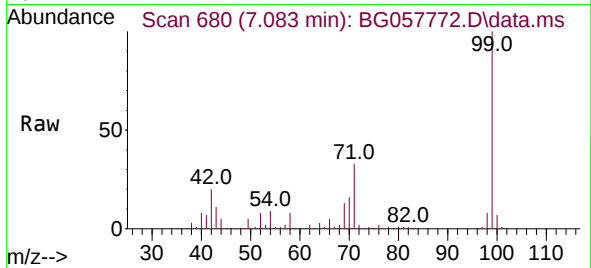




#7
Phenol-d6
Concen: 81.229 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

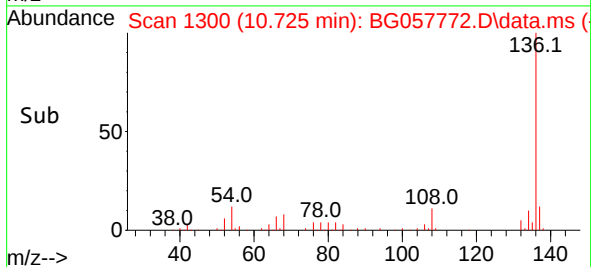
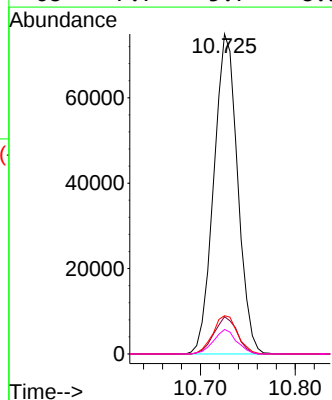
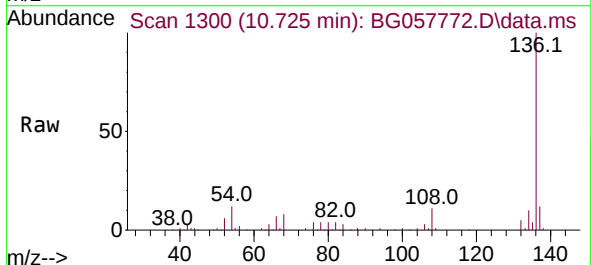
Instrument :
BNA_G
ClientSampleId :
SB-02-0-2.0

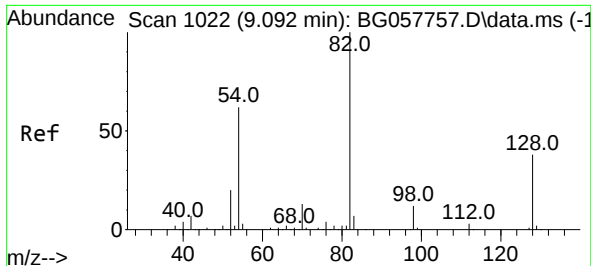
Tgt Ion: 99 Resp: 251181
Ion Ratio Lower Upper
99 100
42 20.4 16.4 24.6
71 32.9 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

Tgt Ion: 136 Resp: 130749
Ion Ratio Lower Upper
136 100
137 11.7 8.5 12.7
54 11.9 9.5 14.3
68 7.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 58.682 ng

RT: 9.080 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

Instrument :

BNA_G

ClientSampleId :

SB-02-0-2.0

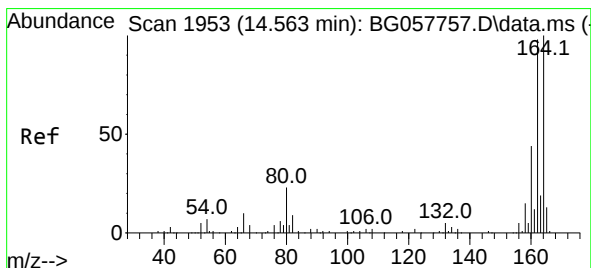
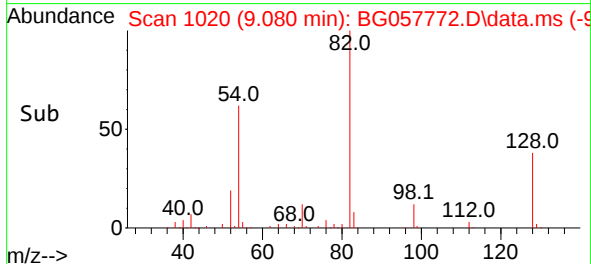
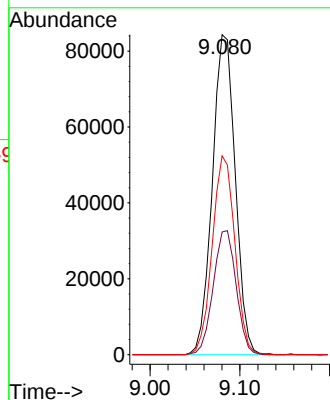
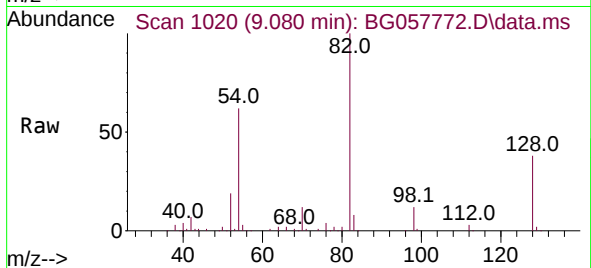
Tgt Ion: 82 Resp: 149494

Ion Ratio Lower Upper

82 100

128 38.4 30.7 46.1

54 62.2 49.6 74.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

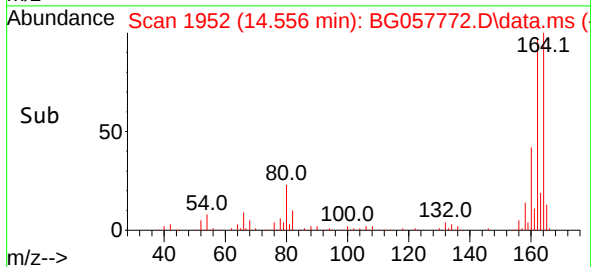
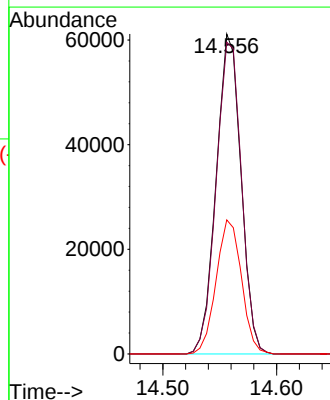
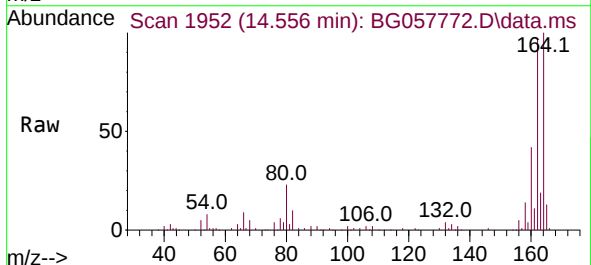
Tgt Ion:164 Resp: 92753

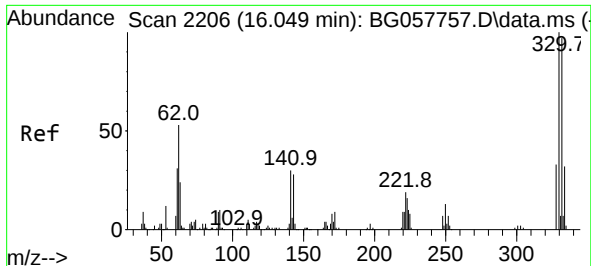
Ion Ratio Lower Upper

164 100

162 97.4 78.3 117.5

160 41.9 35.4 53.0

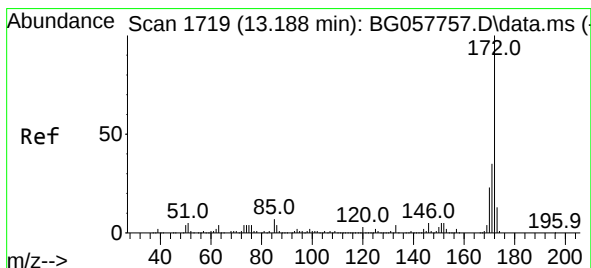
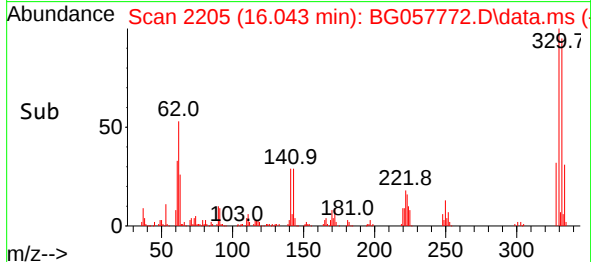
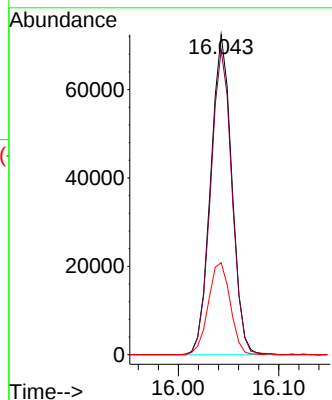
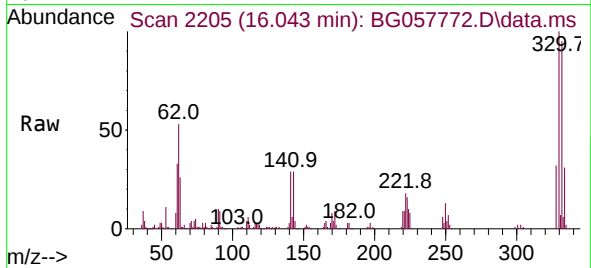




#42
2,4,6-Tribromophenol
Concen: 81.841 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

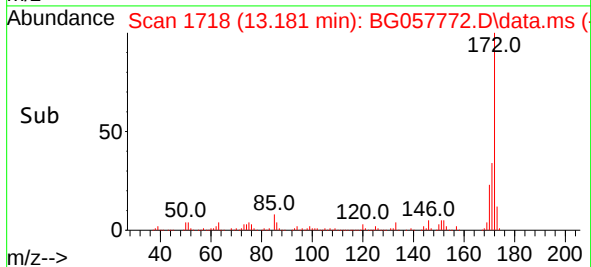
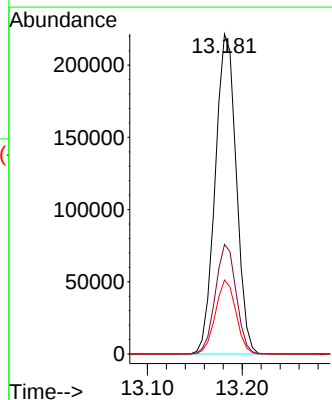
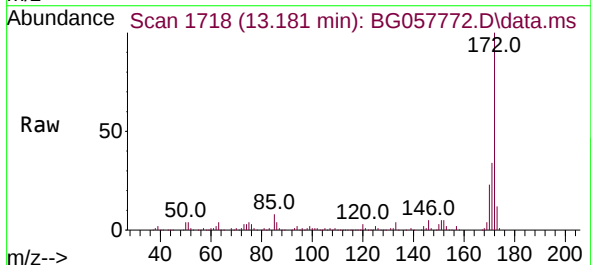
Instrument :
BNA_G
ClientSampleId :
SB-02-0-2.0

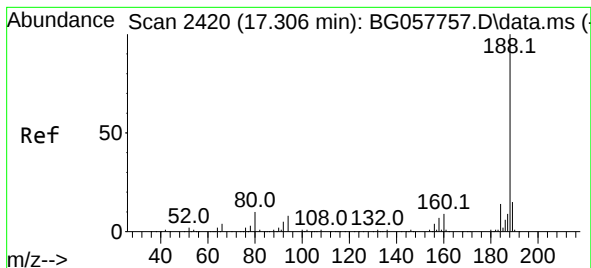
Tgt Ion:330 Resp: 105742
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 30.0 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 55.971 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

Tgt Ion:172 Resp: 342277
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.1 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.300 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

Instrument :

BNA_G

ClientSampleId :

SB-02-0-2.0

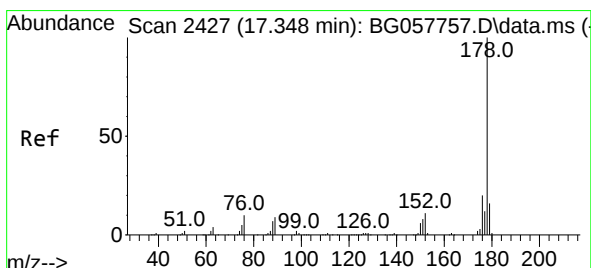
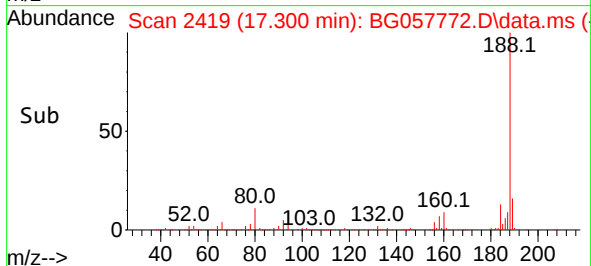
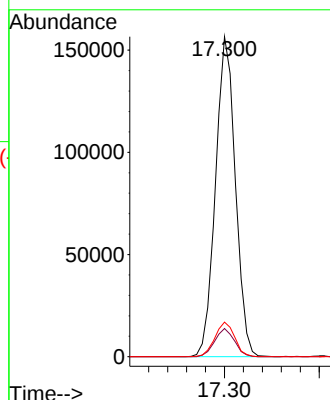
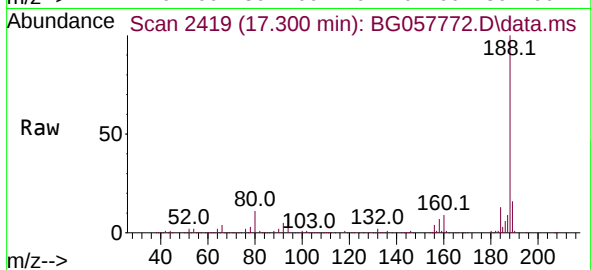
Tgt Ion:188 Resp: 227924

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

80 10.8 7.6 11.4



#71

Phenanthrene

Concen: 20.429 ng

RT: 17.341 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

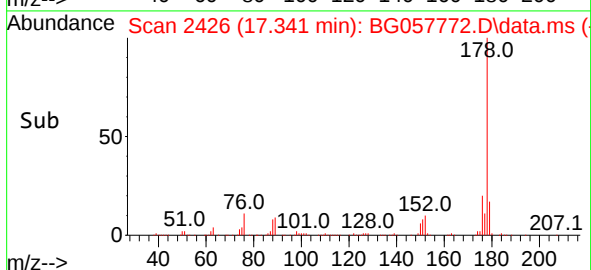
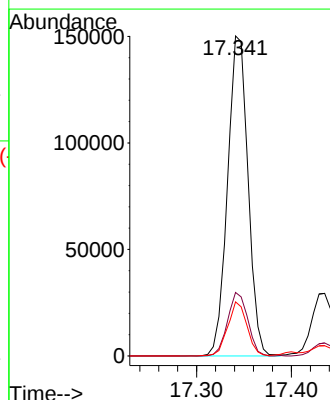
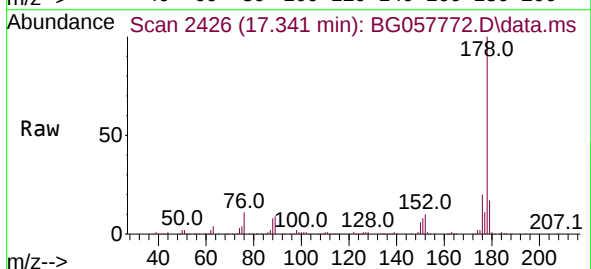
Tgt Ion:178 Resp: 225446

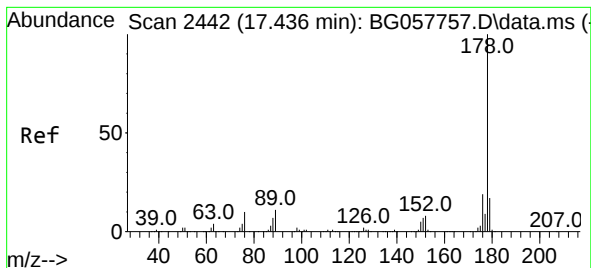
Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

179 16.9 13.0 19.6





#72

Anthracene

Concen: 4.060 ng

RT: 17.435 min Scan# 2442

Delta R.T. -0.001 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

Instrument :

BNA_G

ClientSampleId :

SB-02-0-2.0

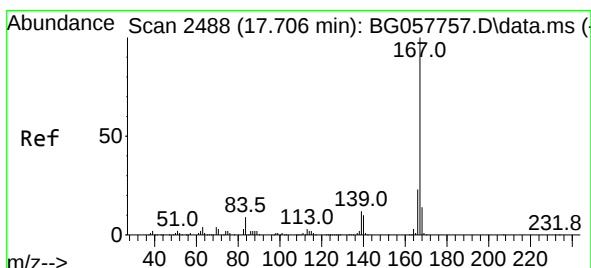
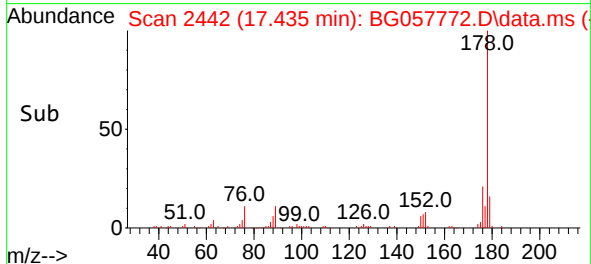
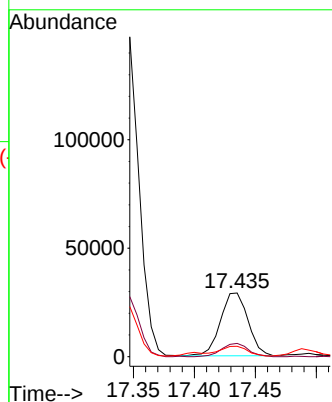
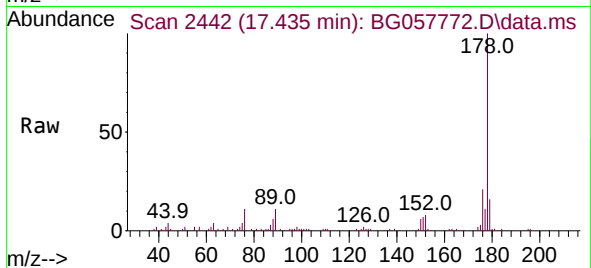
Tgt Ion:178 Resp: 45757

Ion Ratio Lower Upper

178 100

176 20.8 15.4 23.0

179 16.4 13.3 19.9



#73

Carbazole

Concen: 2.182 ng

RT: 17.699 min Scan# 2487

Delta R.T. -0.006 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

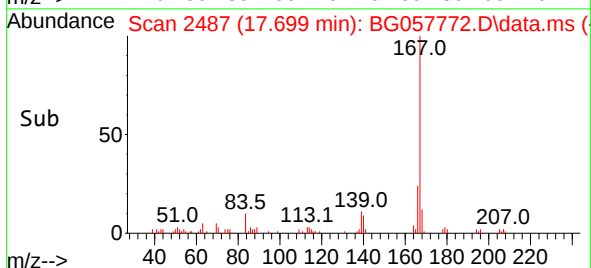
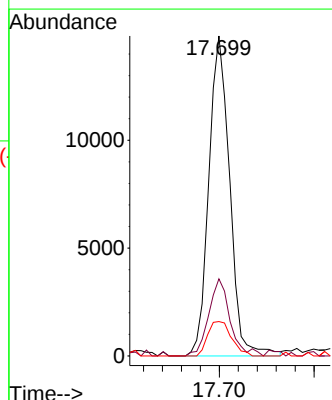
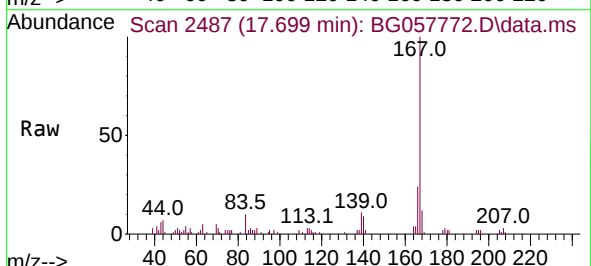
Tgt Ion:167 Resp: 22674

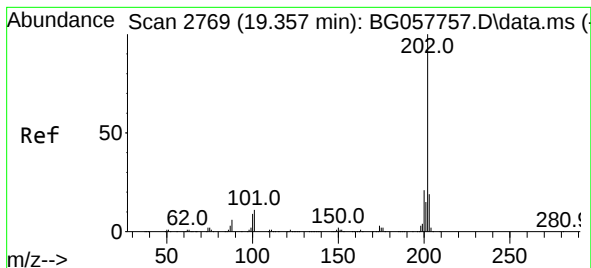
Ion Ratio Lower Upper

167 100

166 24.1 18.4 27.6

139 10.7 9.9 14.9





#75

Fluoranthene

Concen: 37.725 ng

RT: 19.356 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

Instrument :

BNA_G

ClientSampleId :

SB-02-0-2.0

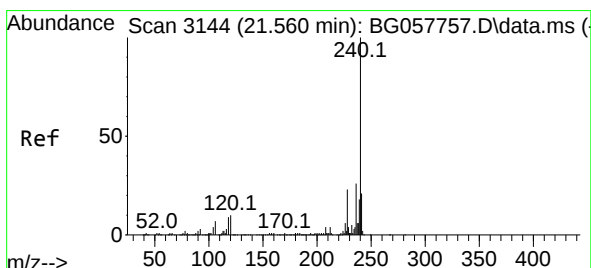
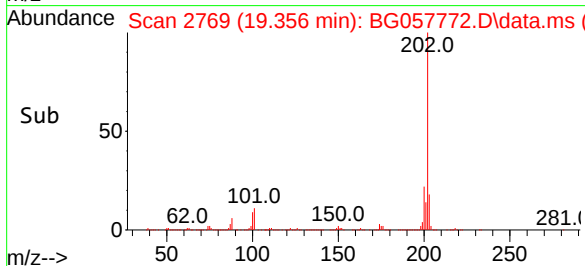
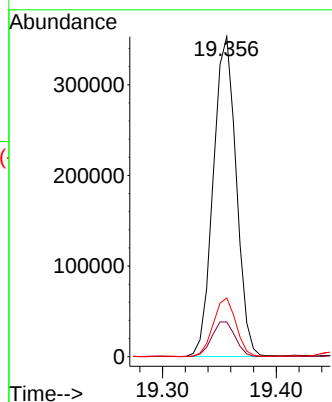
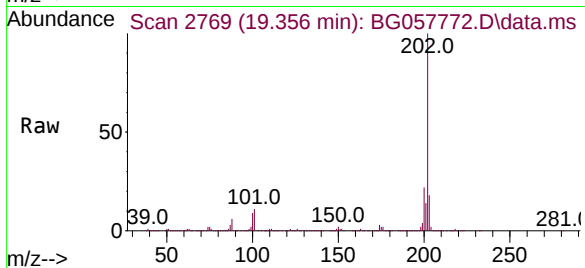
Tgt Ion:202 Resp: 495967

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.3

203 18.3 0.0 38.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.554 min Scan# 3143

Delta R.T. -0.006 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

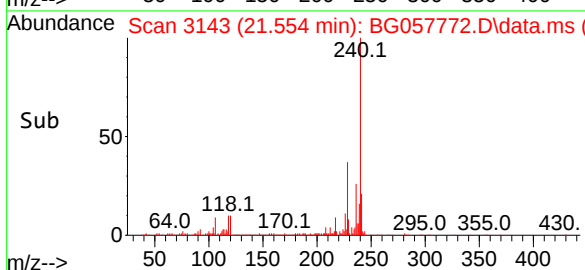
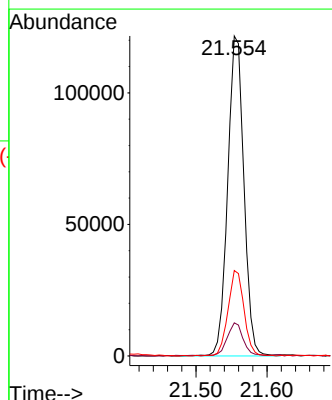
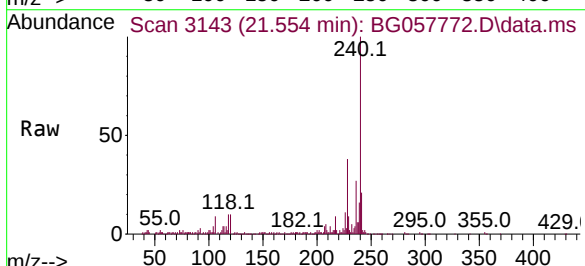
Tgt Ion:240 Resp: 191838

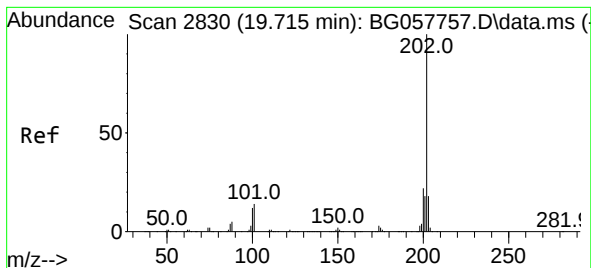
Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

236 26.7 20.6 30.8





#78

Pyrene

Concen: 34.025 ng

RT: 19.715 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

Instrument :

BNA_G

ClientSampleId :

SB-02-0-2.0

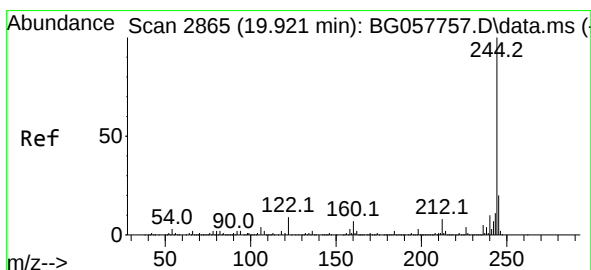
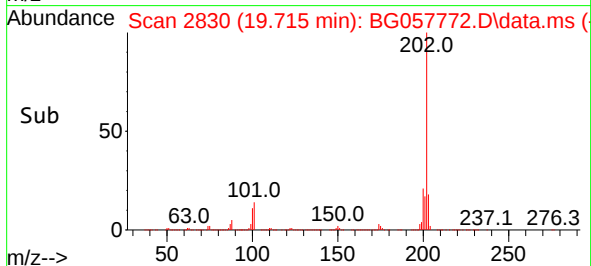
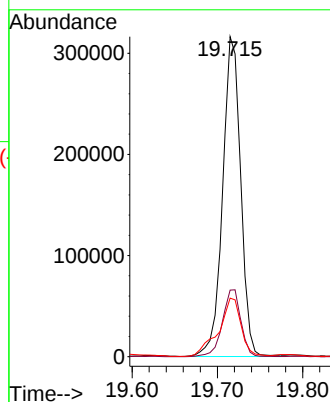
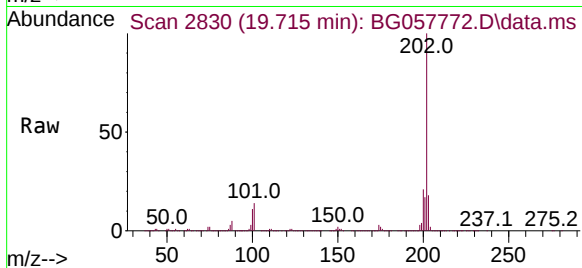
Tgt Ion:202 Resp: 465623

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.0

203 18.3 14.6 22.0



#79

Terphenyl-d14

Concen: 57.579 ng

RT: 19.920 min Scan# 2865

Delta R.T. -0.001 min

Lab File: BG057772.D

Acq: 20 Jun 2023 12:06

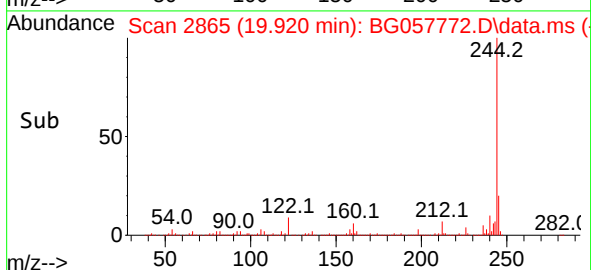
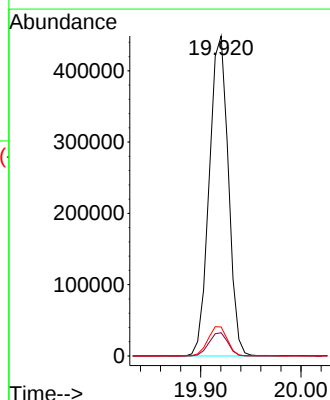
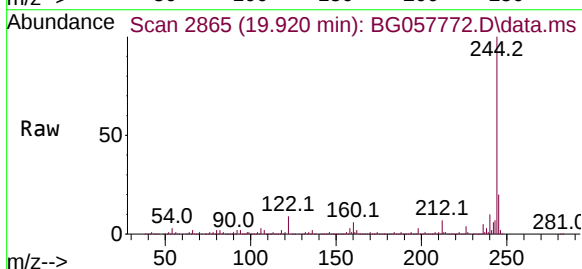
Tgt Ion:244 Resp: 592374

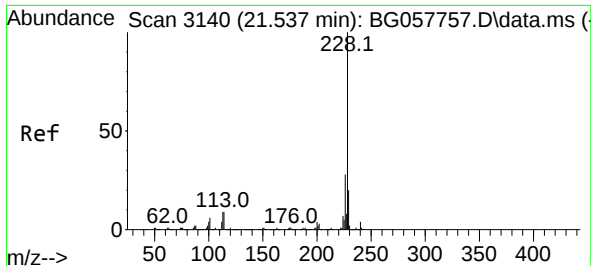
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 9.0 7.6 11.4

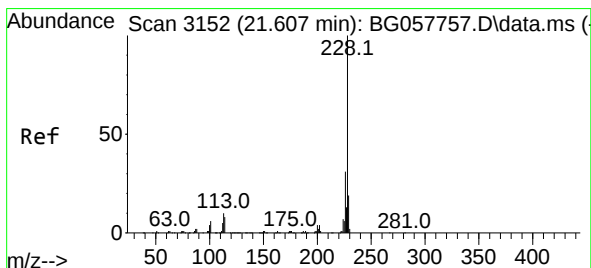
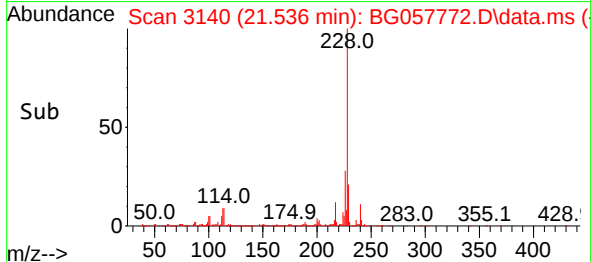
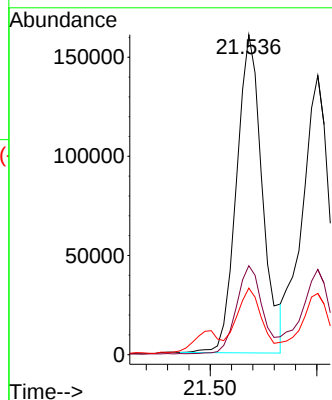
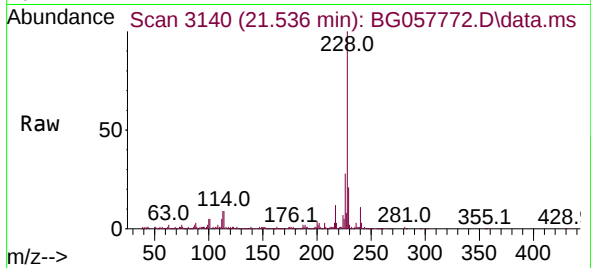




#81
Benzo(a)anthracene
Concen: 20.528 ng
RT: 21.536 min Scan# 3140
Delta R.T. -0.001 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

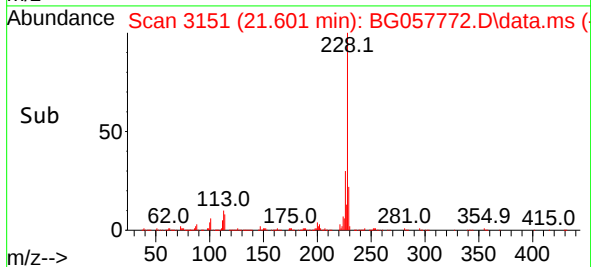
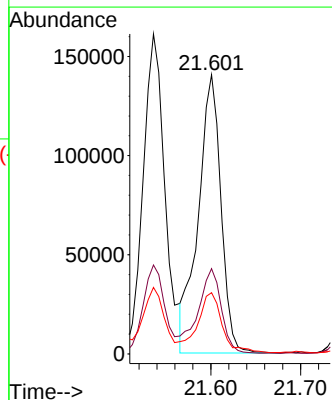
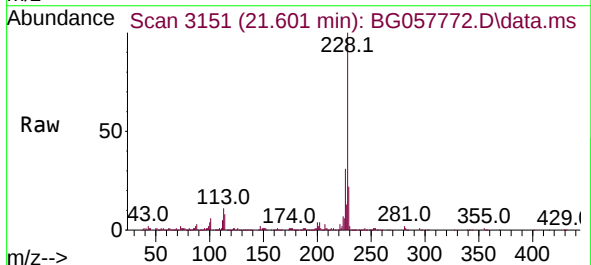
Instrument :
BNA_G
ClientSampleId :
SB-02-0-2.0

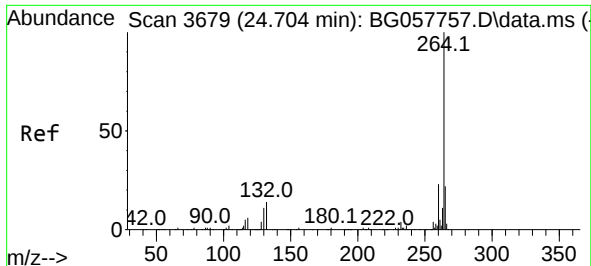
Tgt Ion:228 Resp: 270191
Ion Ratio Lower Upper
228 100
226 27.8 22.3 33.5
229 20.8 16.3 24.5



#83
Chrysene
Concen: 19.534 ng
RT: 21.601 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

Tgt Ion:228 Resp: 246744
Ion Ratio Lower Upper
228 100
226 30.5 24.8 37.2
229 22.0 15.6 23.4

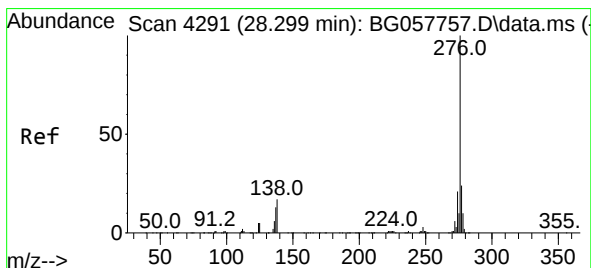
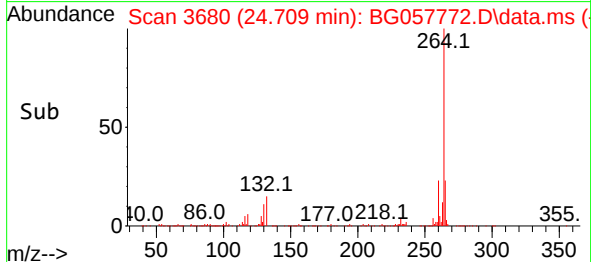
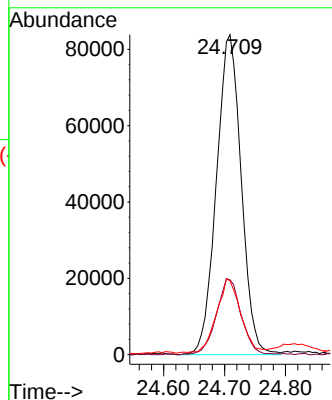
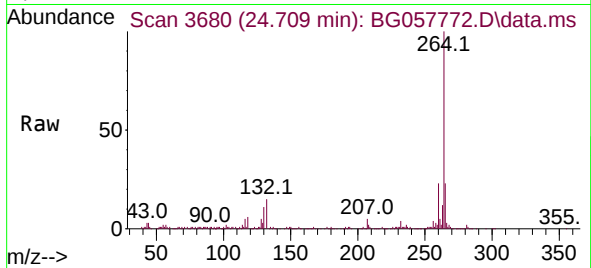




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.709 min Scan# 3
 Delta R.T. 0.005 min
 Lab File: BG057772.D
 Acq: 20 Jun 2023 12:06

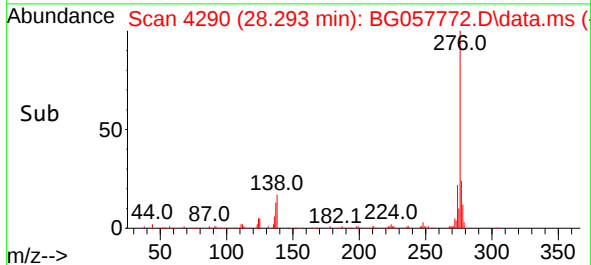
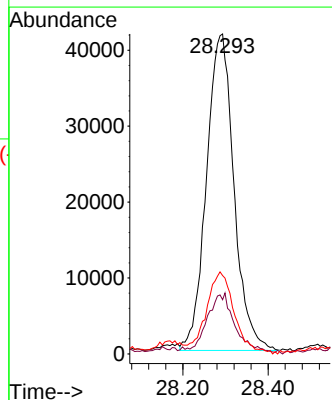
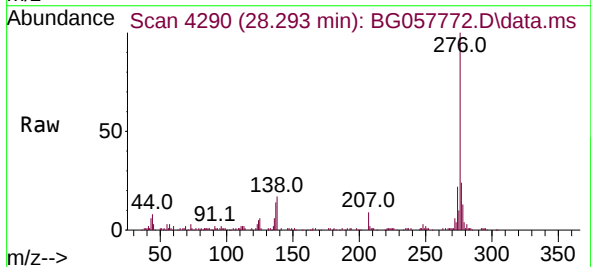
Instrument :
 BNA_G
 ClientSampleId :
 SB-02-0-2.0

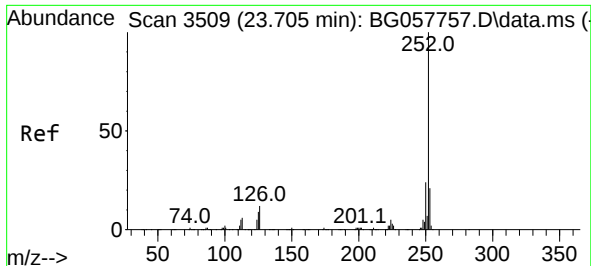
Tgt Ion:264 Resp: 237031
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.5 27.7
 265 23.1 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.074 ng
 RT: 28.293 min Scan# 4290
 Delta R.T. -0.006 min
 Lab File: BG057772.D
 Acq: 20 Jun 2023 12:06

Tgt Ion:276 Resp: 187115
 Ion Ratio Lower Upper
 276 100
 138 18.3 11.3 16.9#
 277 26.4 20.4 30.6

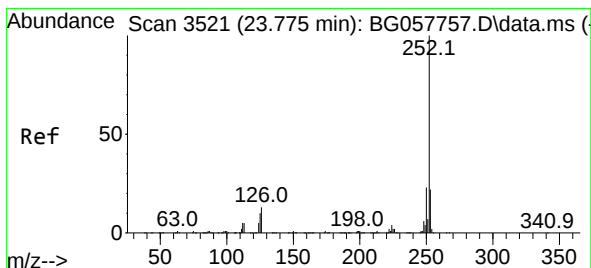
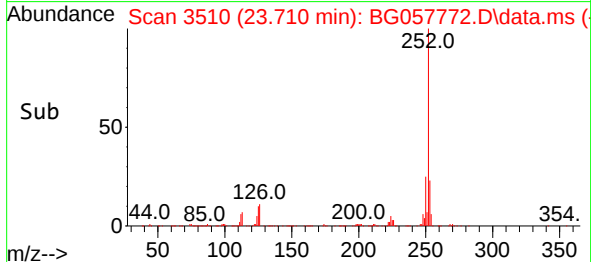
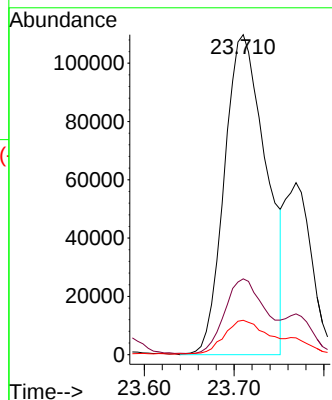
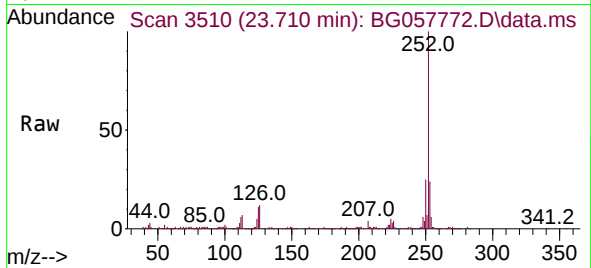




#88
Benzo(b)fluoranthene
Concen: 27.335 ng
RT: 23.710 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

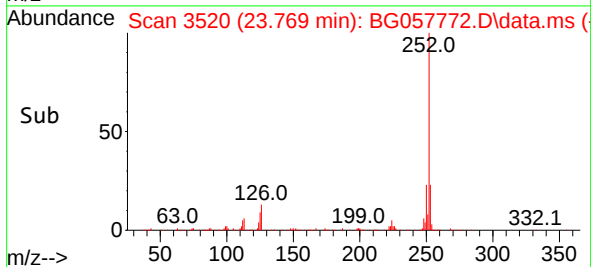
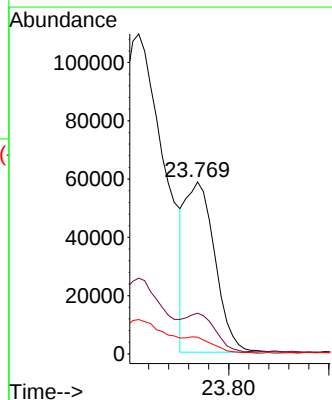
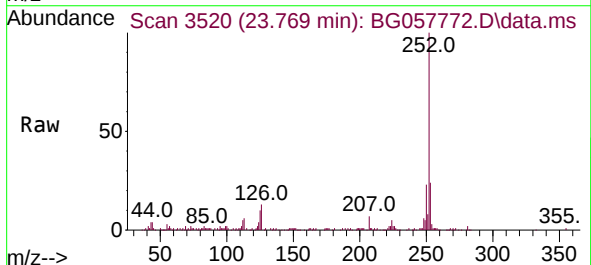
Instrument :
BNA_G
ClientSampleId :
SB-02-0-2.0

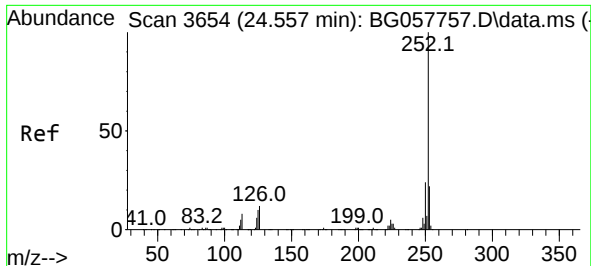
Tgt Ion:252 Resp: 355056
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 10.8 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 9.052 ng m
RT: 23.769 min Scan# 3520
Delta R.T. -0.006 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

Tgt Ion:252 Resp: 119749
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 9.7 7.6 11.4

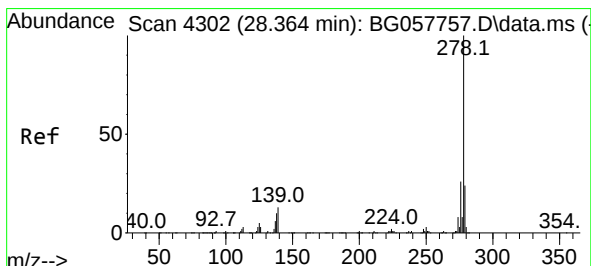
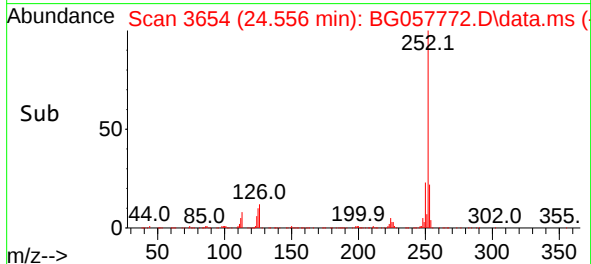
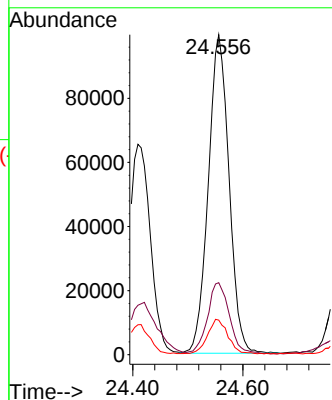
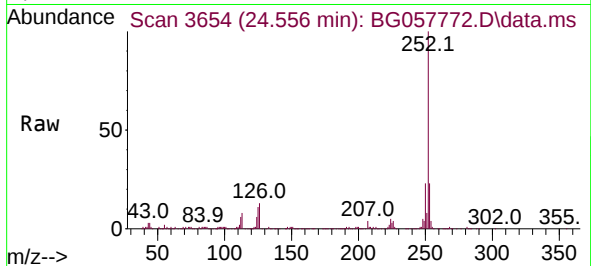




#90
Benzo(a)pyrene
Concen: 20.406 ng
RT: 24.556 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

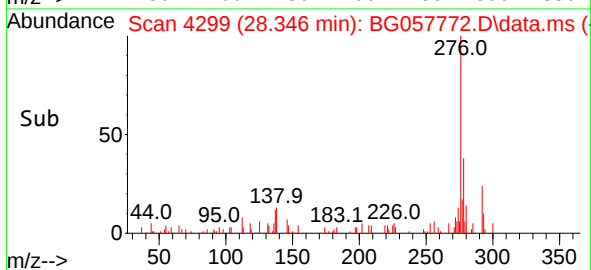
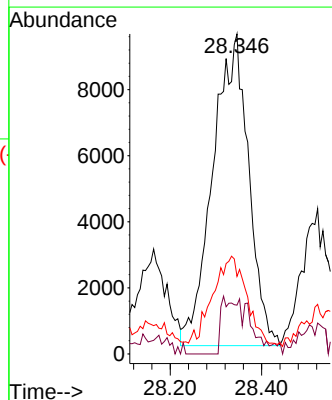
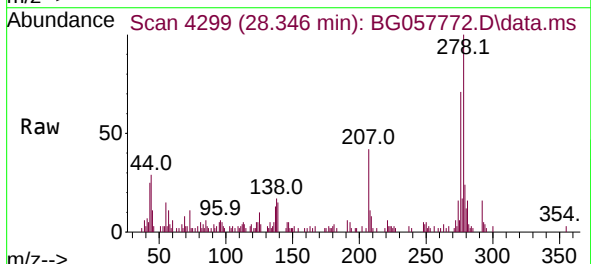
Instrument :
BNA_G
ClientSampleId :
SB-02-0-2.0

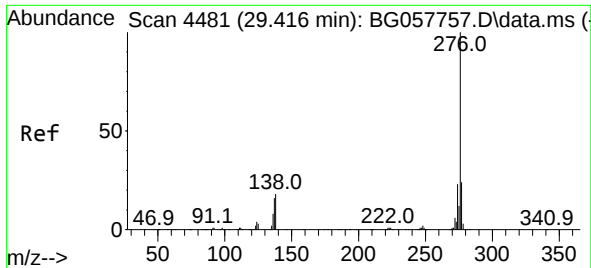
Tgt Ion:252 Resp: 260308
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 10.8 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 3.980 ng m
RT: 28.346 min Scan# 4299
Delta R.T. -0.018 min
Lab File: BG057772.D
Acq: 20 Jun 2023 12:06

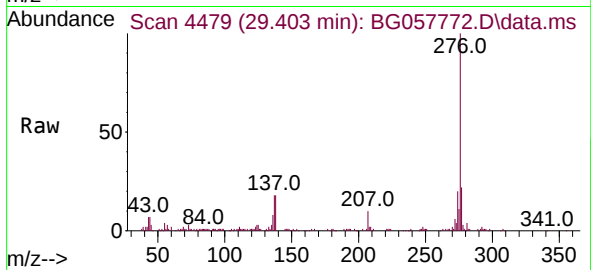
Tgt Ion:278 Resp: 51178
Ion Ratio Lower Upper
278 100
139 15.2 10.8 16.2
279 24.2 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 14.609 ng
 RT: 29.403 min Scan# 44
 Delta R.T. -0.012 min
 Lab File: BG057772.D
 Acq: 20 Jun 2023 12:06

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-0-2.0



Tgt Ion:	276	Resp:	188091
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.4	29.0
138	17.8	14.2	21.4

