

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057893.D
 Acq On : 28 Jun 2023 15:13
 Operator : CG/JU
 Sample : 03289-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0

Quant Time: Jun 28 16:10:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

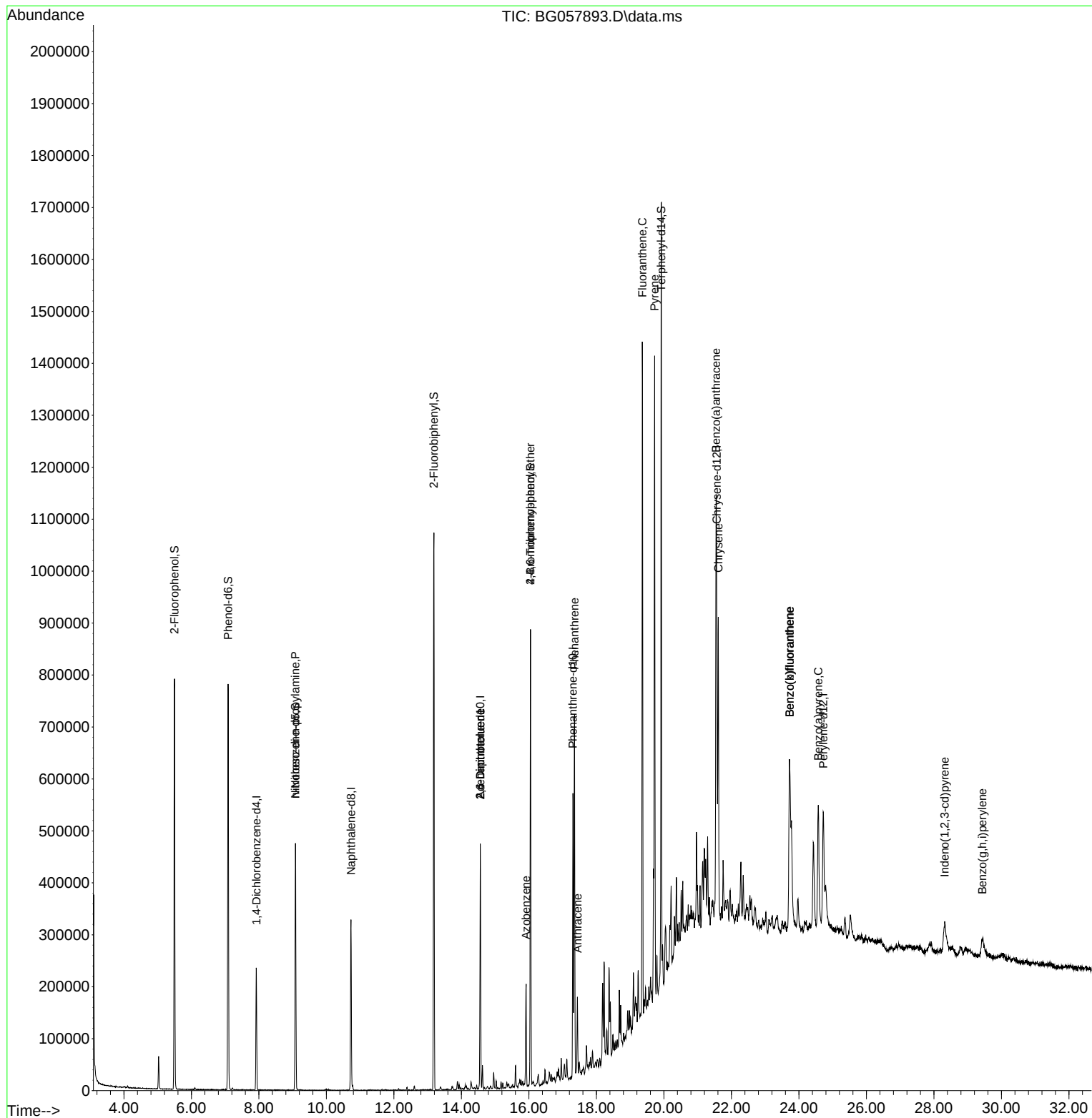
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	66711	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	277486	20.000	ng	0.00
39) Acenaphthene-d10	14.559	164	167989	20.000	ng	0.00
64) Phenanthrene-d10	17.303	188	353219	20.000	ng	0.00
76) Chrysene-d12	21.562	240	285453	20.000	ng	0.00
86) Perylene-d12	24.723	264	327808	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	347707	79.746	ng	0.00
7) Phenol-d6	7.085	99	478109	73.329	ng	0.00
23) Nitrobenzene-d5	9.083	82	289179	51.073	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	182691	64.749	ng	0.00
45) 2-Fluorobiphenyl	13.184	172	585498	53.188	ng	0.00
79) Terphenyl-d14	19.923	244	792059	50.586	ng	0.00
Target Compounds						
9) Benzaldehyde	7.085	77	768	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	9.083	70	35663	8.174	ng	# 77
51) 2,6-Dinitrotoluene	14.559	165	21799	7.885	ng	# 25
57) 2,4-Dinitrotoluene	14.559	165	21799	5.434	ng	# 22
63) Azobenzene	15.916	77	55227	4.115	ng	# 1
67) 4-Bromophenyl-phenylether	16.045	248	11484	3.080	ng	# 1
71) Phenanthrene	17.350	178	438865	25.883	ng	98
72) Anthracene	17.438	178	96113	5.496	ng	99
75) Fluoranthene	19.359	202	815301	38.168	ng	98
78) Pyrene	19.723	202	766459	37.604	ng	100
81) Benzo(a)anthracene	21.545	228	448391	22.698	ng	99
83) Chrysene	21.609	228	414626	22.174	ng	98
87) Indeno(1,2,3-cd)pyrene	28.319	276	140190	6.456	ng	# 87
88) Benzo(b)fluoranthene	23.724	252	472999	26.455	ng	# 96
89) Benzo(k)fluoranthene	23.724	252	472999	26.176	ng	97
90) Benzo(a)pyrene	24.571	252	367216	20.734	ng	97
92) Benzo(g,h,i)perylene	29.435	276	98061	5.477	ng	92

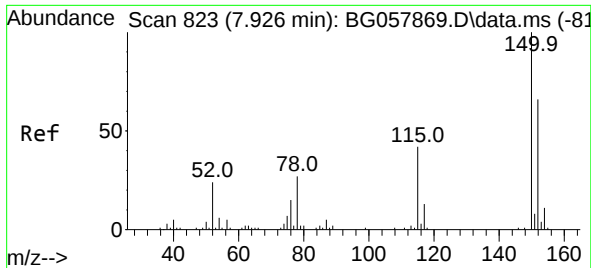
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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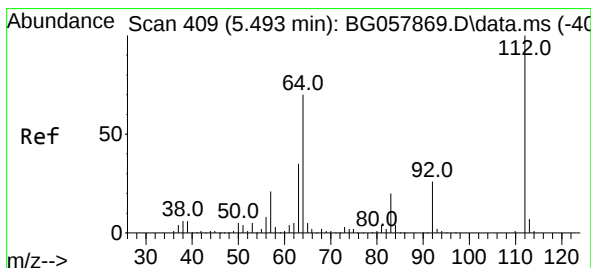
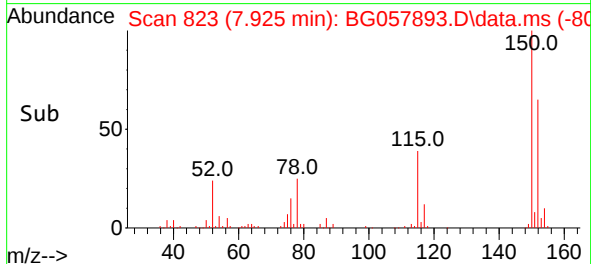
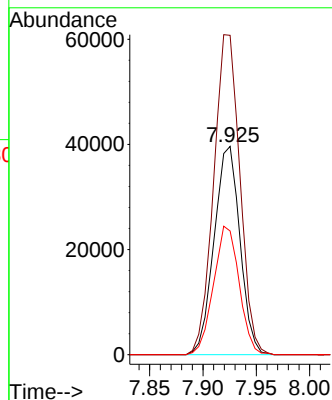
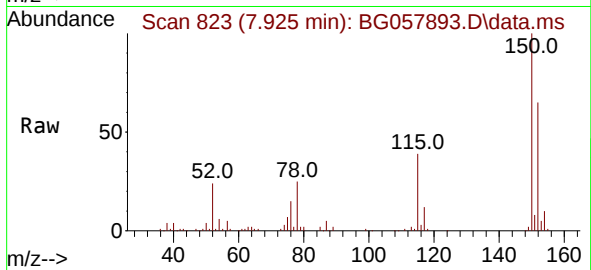




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

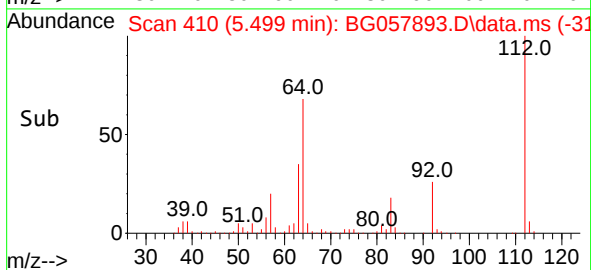
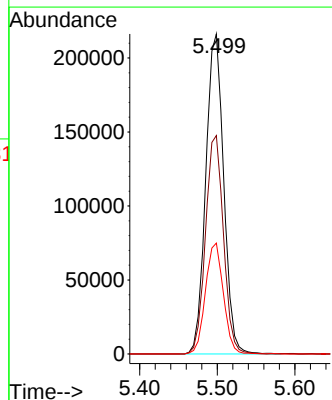
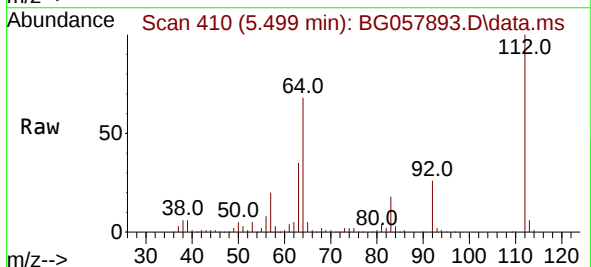
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

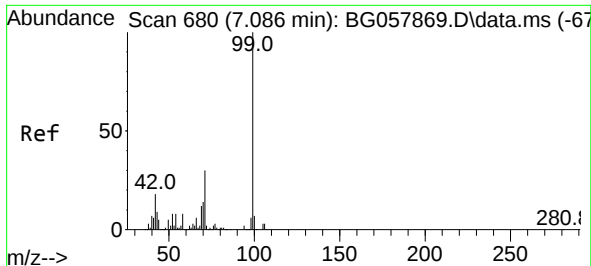
Tgt Ion:152 Resp: 66711
Ion Ratio Lower Upper
152 100
150 153.3 122.0 183.0
115 59.4 50.7 76.1



#5
2-Fluorophenol
Concen: 79.746 ng
RT: 5.499 min Scan# 410
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:112 Resp: 347707
Ion Ratio Lower Upper
112 100
64 68.2 55.8 83.6
63 34.7 27.9 41.9

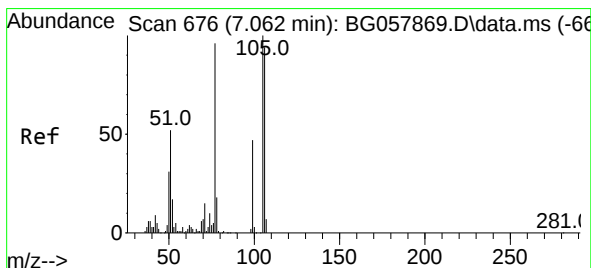
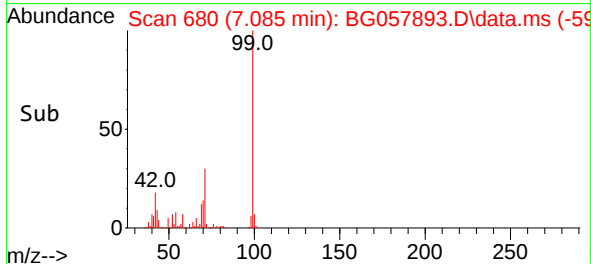
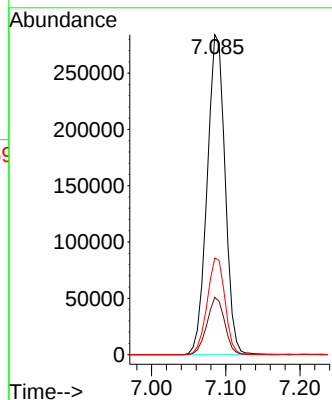
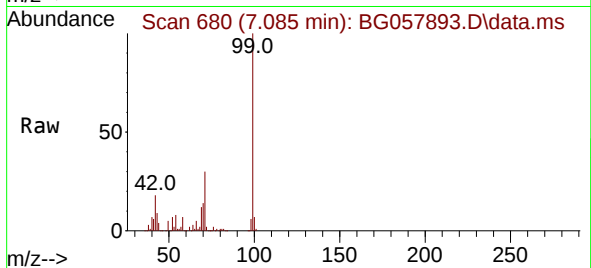




#7
Phenol-d6
Concen: 73.329 ng
RT: 7.085 min Scan# 680
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

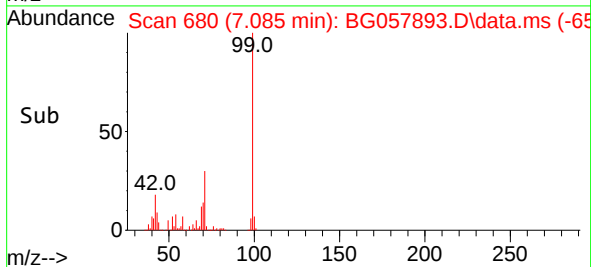
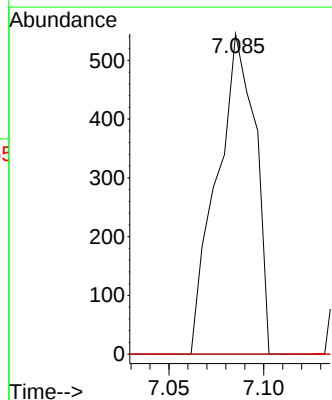
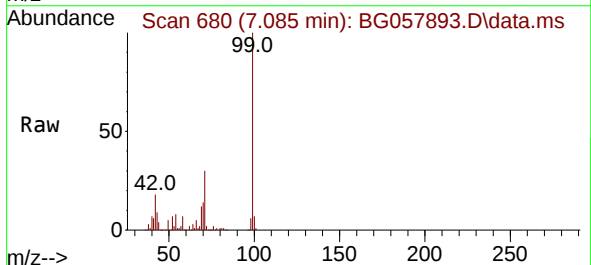
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

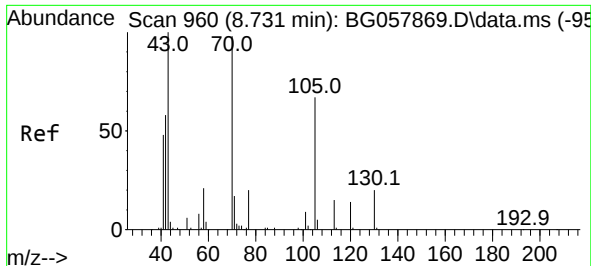
Tgt Ion:	99	Resp:	478109
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.2	21.4
71	30.2	23.9	35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.085 min Scan# 680
Delta R.T. 0.023 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:	77	Resp:	768
Ion	Ratio	Lower	Upper
77	100		
105	0.0	83.7	123.7#
106	0.0	77.4	117.4#

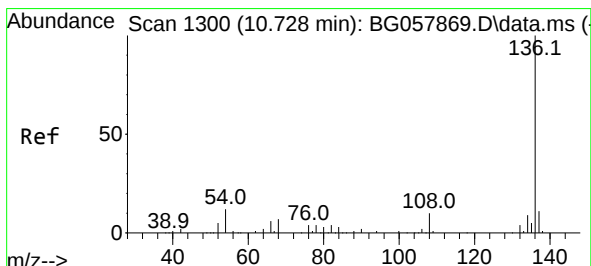
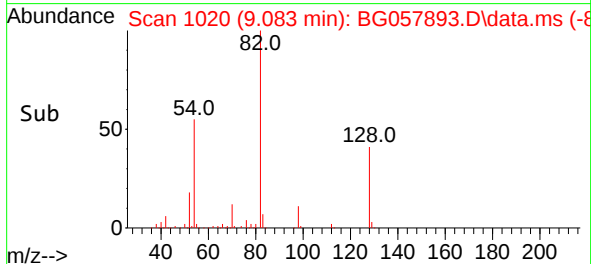
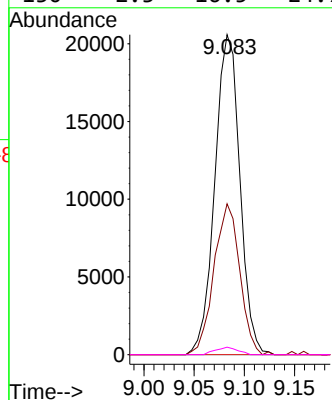
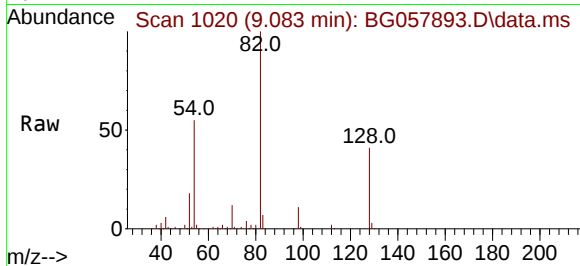




#19
n-Nitroso-di-n-propylamine
Concen: 8.174 ng
RT: 9.083 min Scan# 1020
Delta R.T. 0.352 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

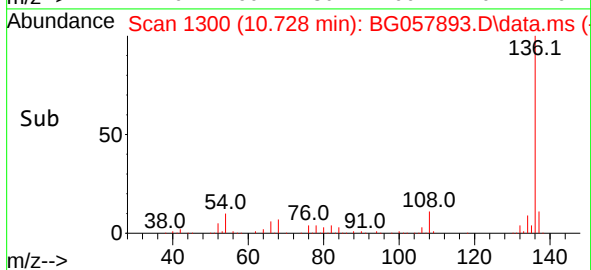
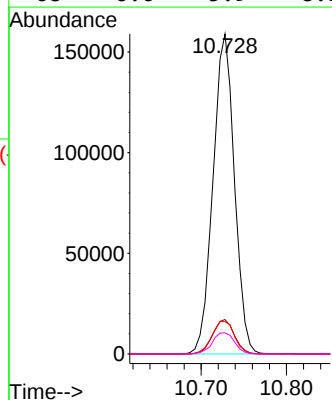
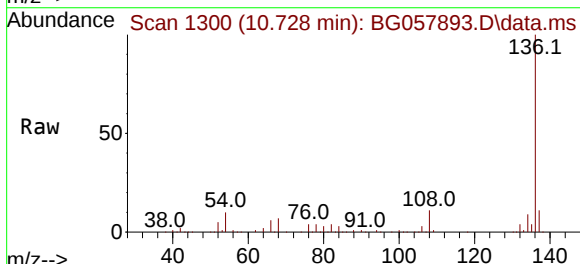
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

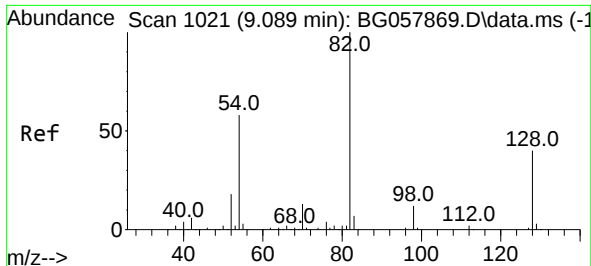
Tgt Ion: 70 Resp: 35663
Ion Ratio Lower Upper
70 100
42 47.2 48.4 72.6#
101 0.0 7.2 10.8#
130 2.3 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion: 136 Resp: 277486
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.1 9.3 13.9
68 6.6 5.9 8.9





#23

Nitrobenzene-d5

Concen: 51.073 ng

RT: 9.083 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

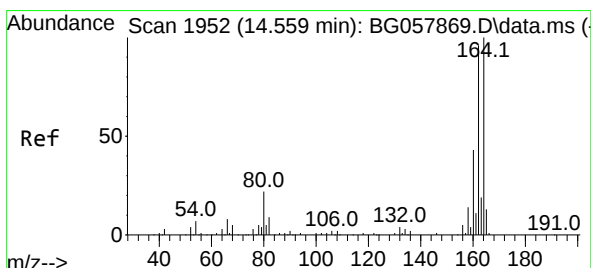
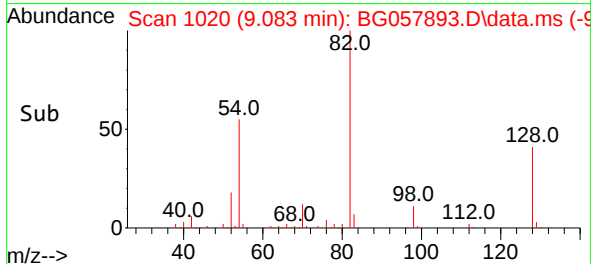
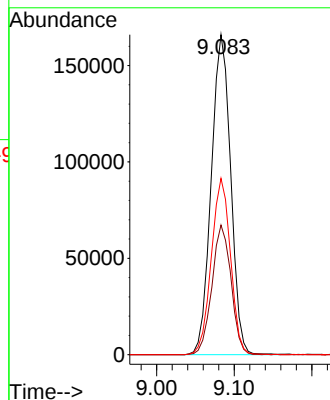
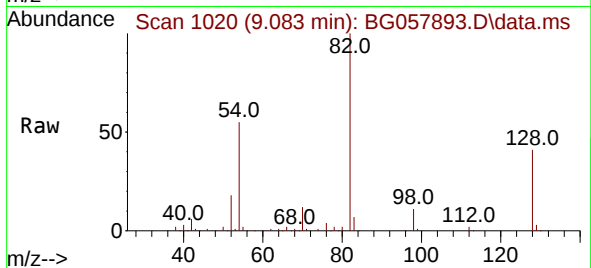
Tgt Ion: 82 Resp: 289179

Ion Ratio Lower Upper

82 100

128 40.5 32.2 48.4

54 55.1 46.1 69.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1952

Delta R.T. -0.000 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

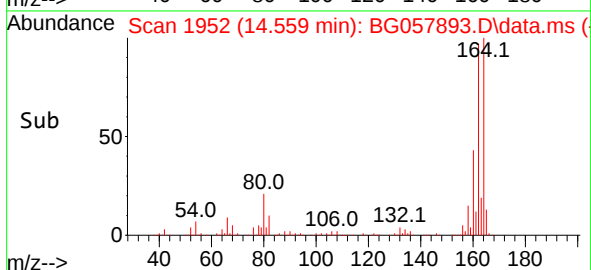
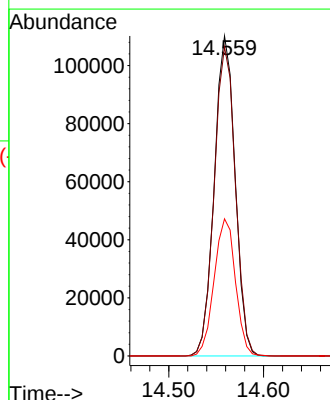
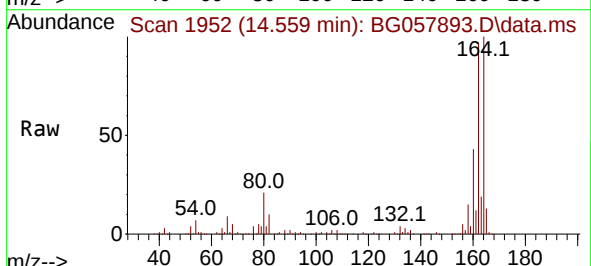
Tgt Ion:164 Resp: 167989

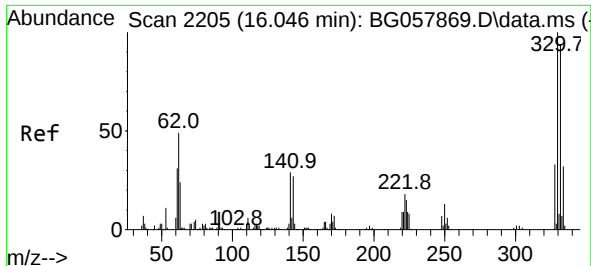
Ion Ratio Lower Upper

164 100

162 96.6 76.4 114.6

160 42.9 34.2 51.2

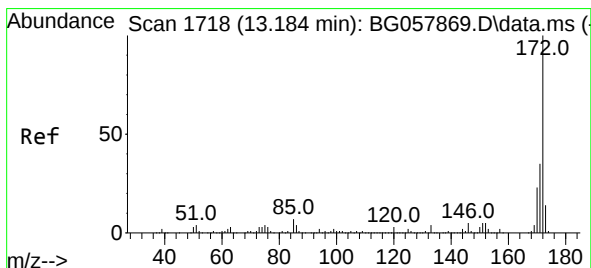
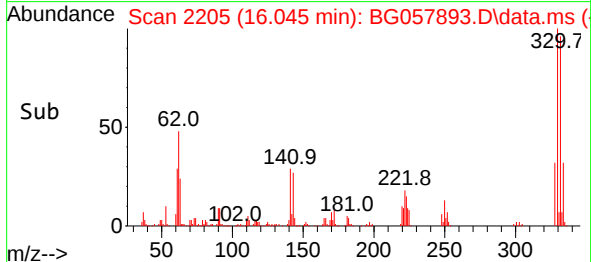
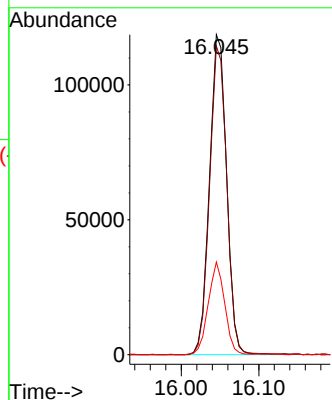
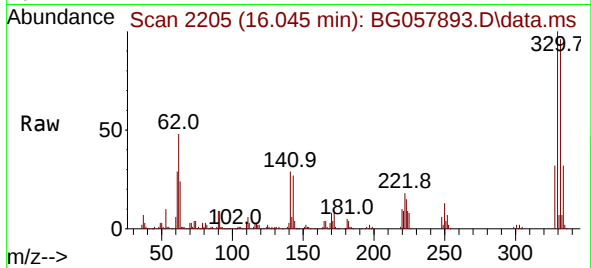




#42
2,4,6-Tribromophenol
Concen: 64.749 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

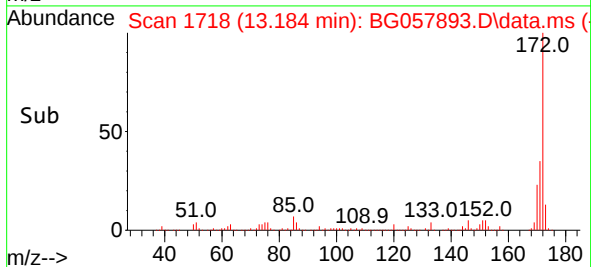
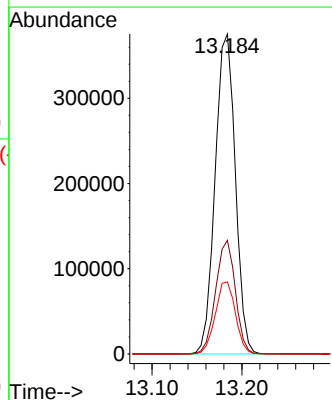
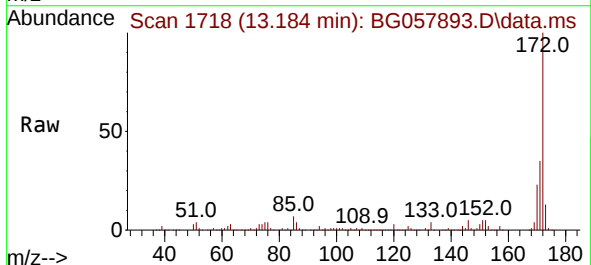
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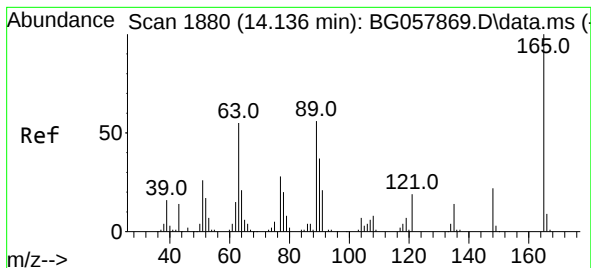
Tgt Ion:330 Resp: 182691
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 27.9 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 53.188 ng
RT: 13.184 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:172 Resp: 585498
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 22.5 18.6 27.8

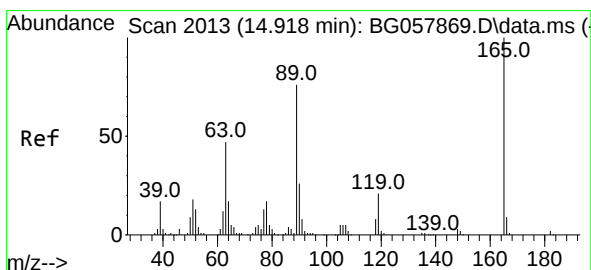
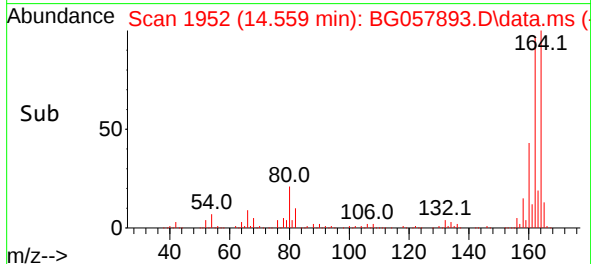
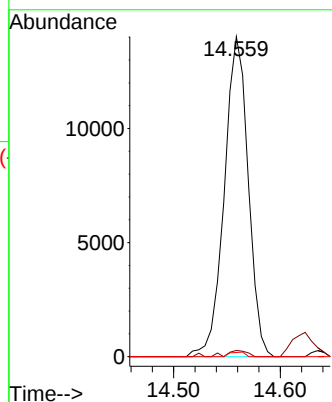
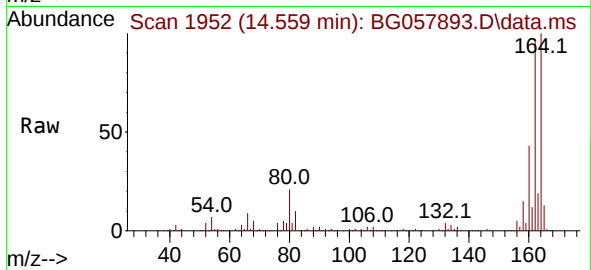




#51
2,6-Dinitrotoluene
Concen: 7.885 ng
RT: 14.559 min Scan# 1952
Delta R.T. 0.423 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

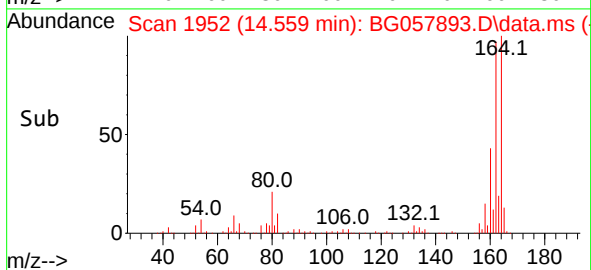
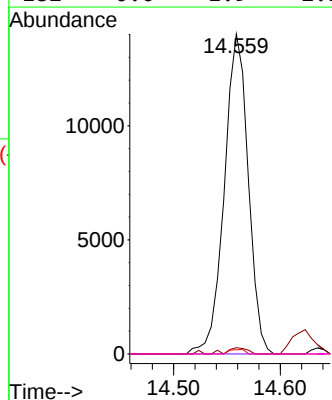
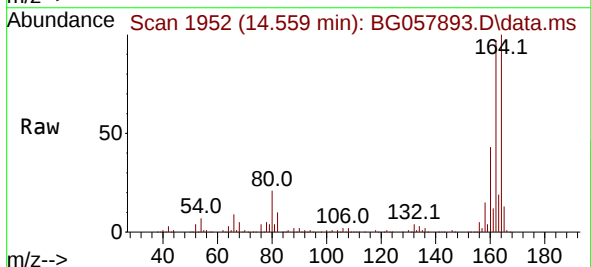
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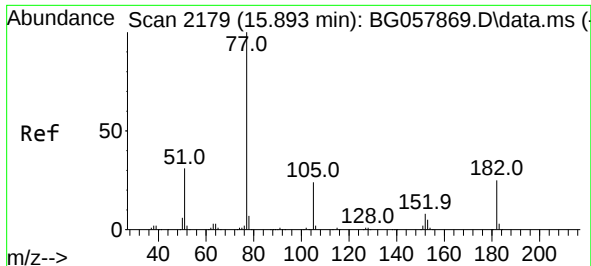
Tgt Ion:165 Resp: 21799
Ion Ratio Lower Upper
165 100
63 1.9 46.4 69.6#
89 1.3 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.434 ng
RT: 14.559 min Scan# 1952
Delta R.T. -0.359 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:165 Resp: 21799
Ion Ratio Lower Upper
165 100
63 1.9 37.6 56.4#
89 1.3 61.0 91.4#
182 0.0 1.9 2.9#

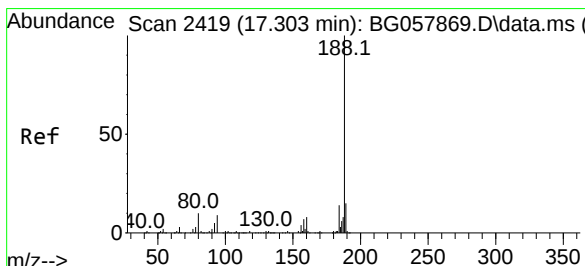
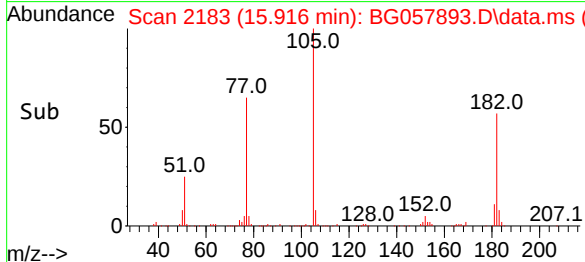
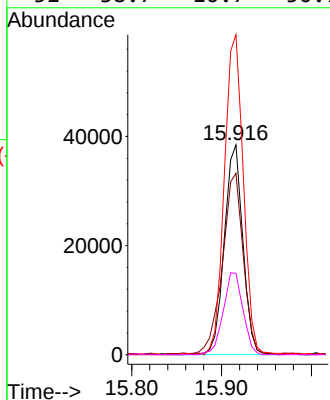
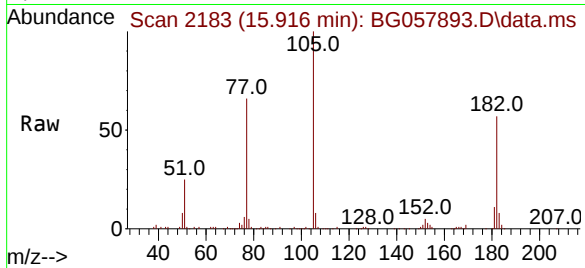




#63
Azobenzene
Concen: 4.115 ng
RT: 15.916 min Scan# 2179
Delta R.T. 0.023 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

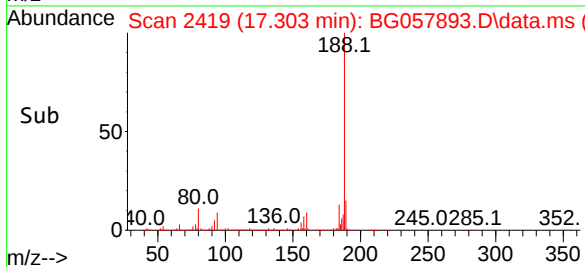
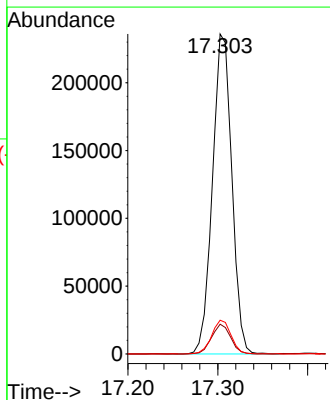
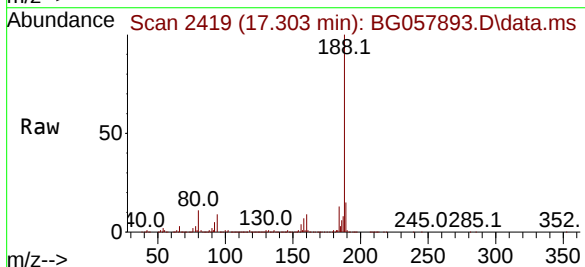
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

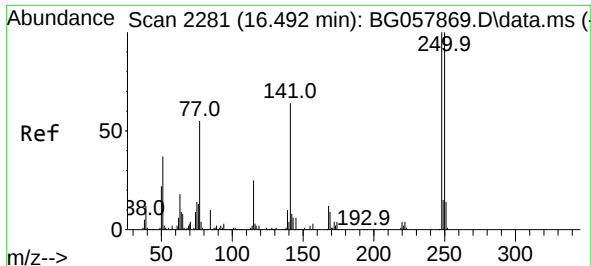
Tgt Ion: 77 Resp: 55227
Ion Ratio Lower Upper
77 100
182 86.4 5.1 45.1#
105 152.6 3.9 43.9#
51 38.7 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.303 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion: 188 Resp: 353219
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.6 8.4 12.6

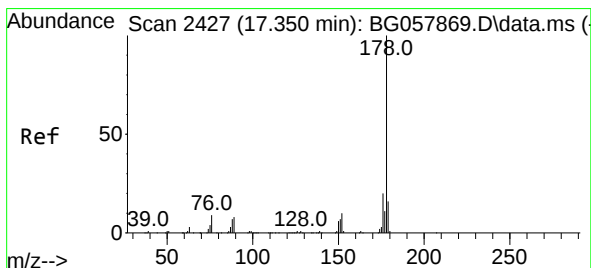
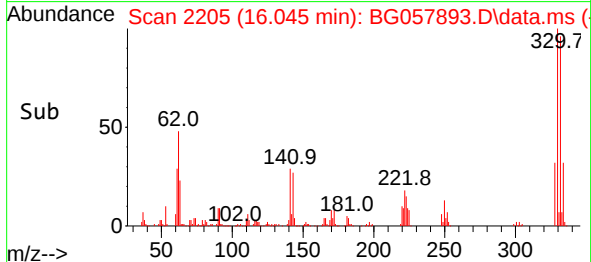
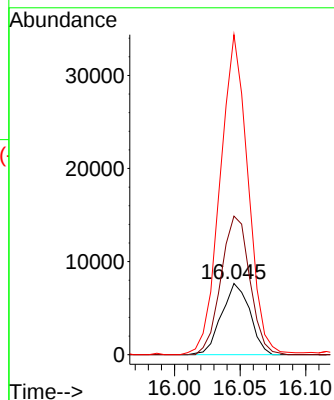
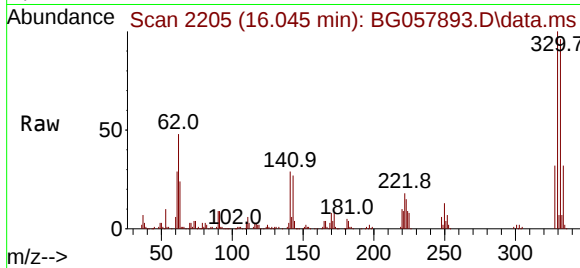




#67
4-Bromophenyl-phenylether
Concen: 3.080 ng
RT: 16.045 min Scan# 211
Delta R.T. -0.447 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

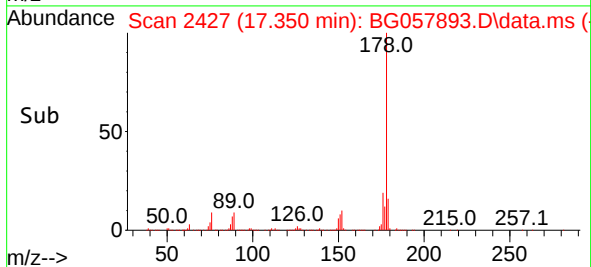
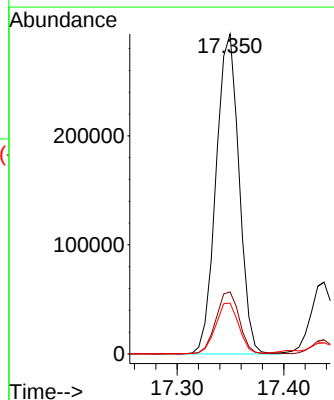
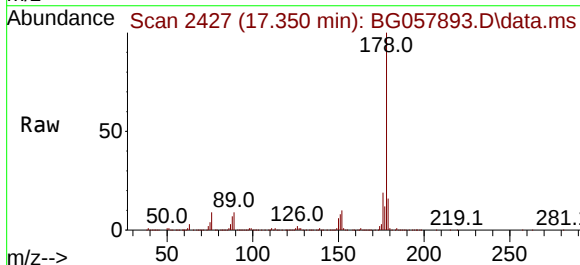
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

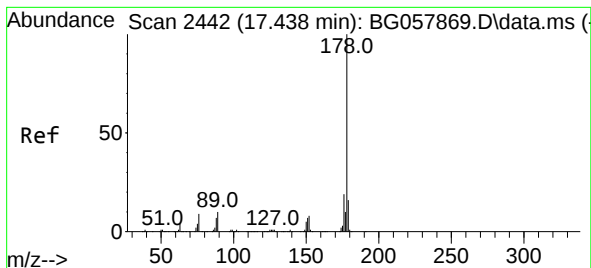
Tgt Ion:248 Resp: 11484
Ion Ratio Lower Upper
248 100
250 194.8 79.7 119.5#
141 449.8 50.8 76.2#



#71
Phenanthrene
Concen: 25.883 ng
RT: 17.350 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:178 Resp: 438865
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 15.9 13.2 19.8





#72

Anthracene

Concen: 5.496 ng

RT: 17.438 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

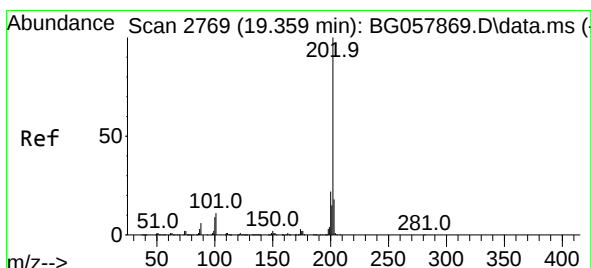
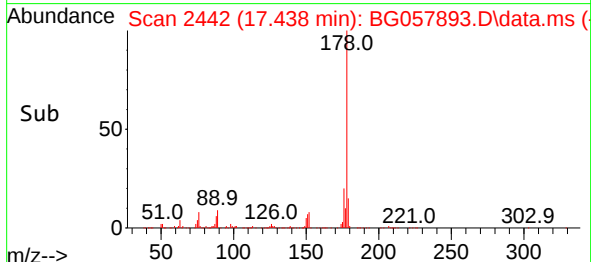
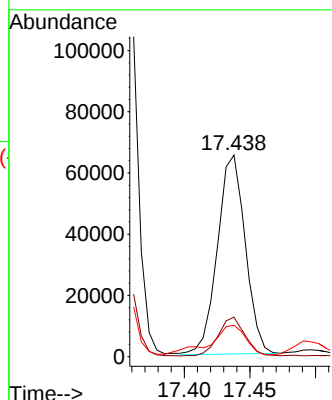
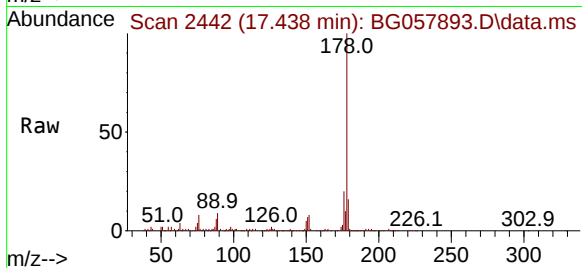
Tgt Ion:178 Resp: 96113

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.6 12.9 19.3



#75

Fluoranthene

Concen: 38.168 ng

RT: 19.359 min Scan# 2769

Delta R.T. -0.000 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

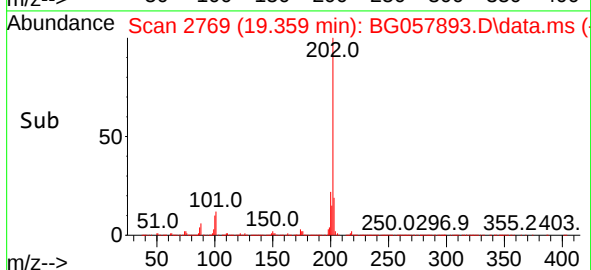
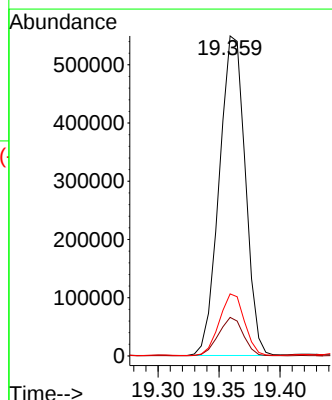
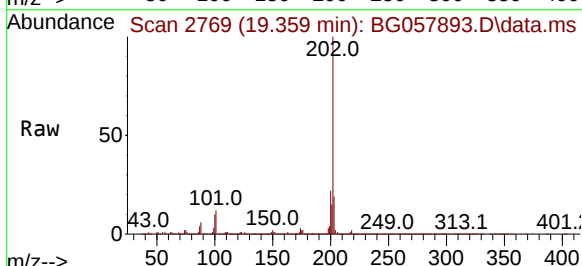
Tgt Ion:202 Resp: 815301

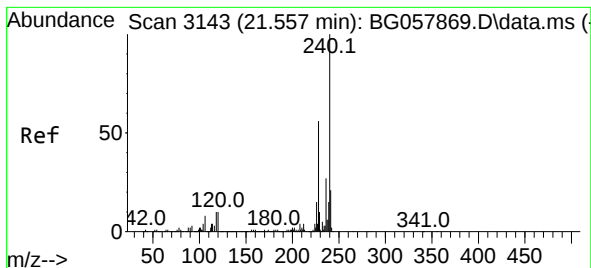
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.3

203 19.4 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.562 min Scan# 3144

Delta R.T. 0.006 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

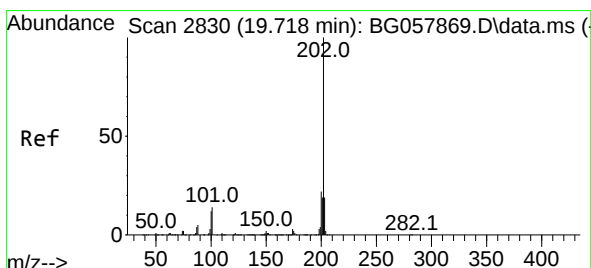
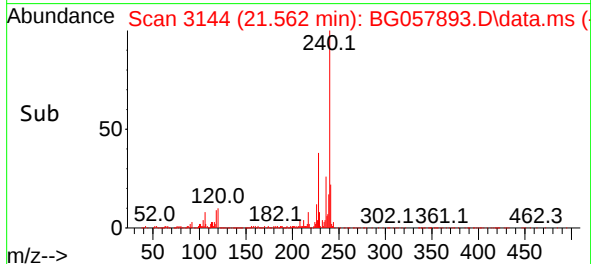
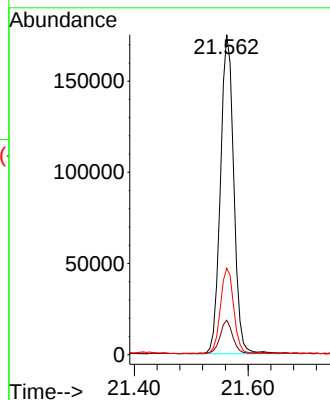
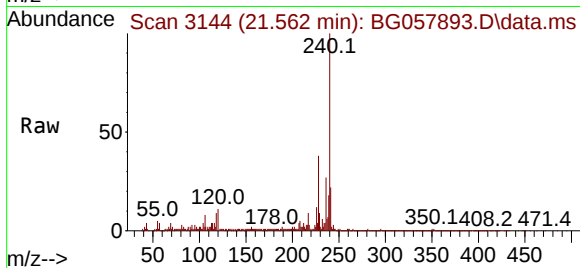
Tgt Ion:240 Resp: 285453

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

236 27.0 21.9 32.9



#78

Pyrene

Concen: 37.604 ng

RT: 19.723 min Scan# 2831

Delta R.T. 0.006 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

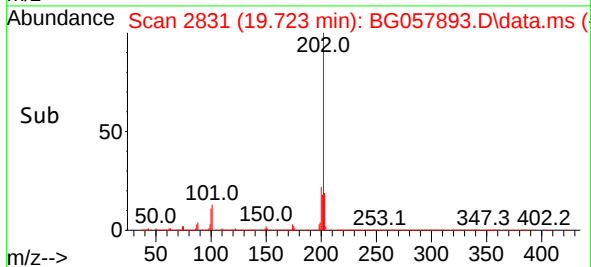
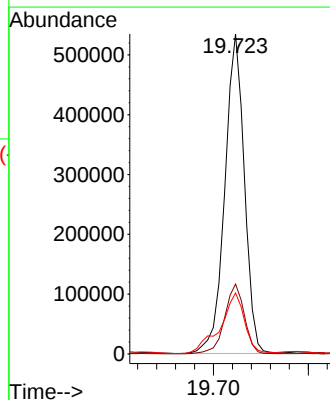
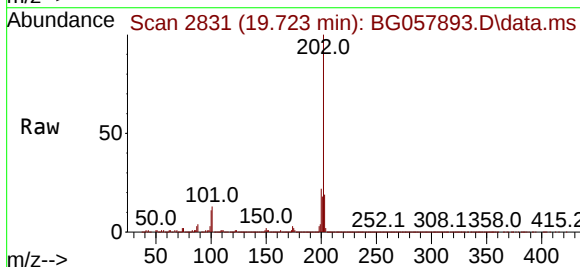
Tgt Ion:202 Resp: 766459

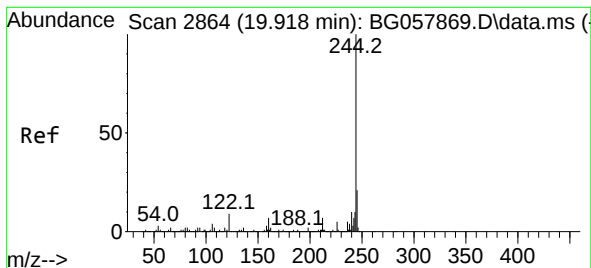
Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

203 19.1 15.2 22.8





#79

Terphenyl-d14

Concen: 50.586 ng

RT: 19.923 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

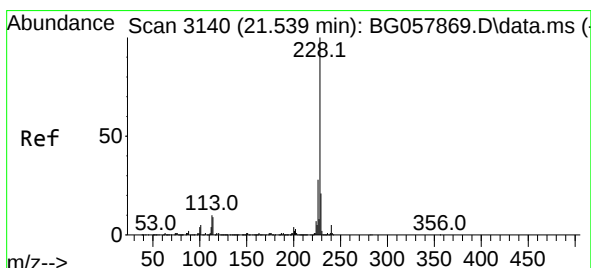
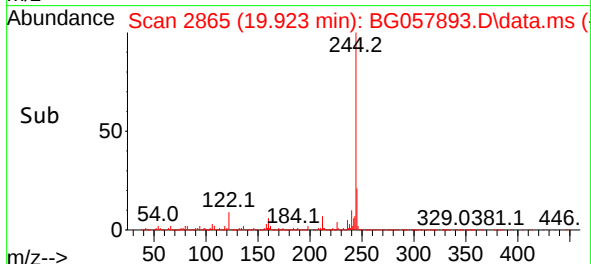
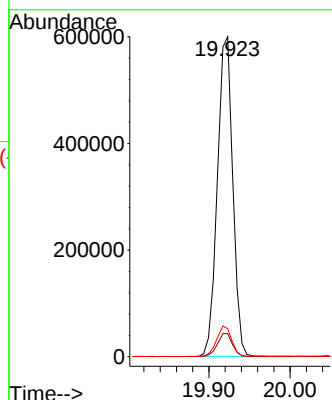
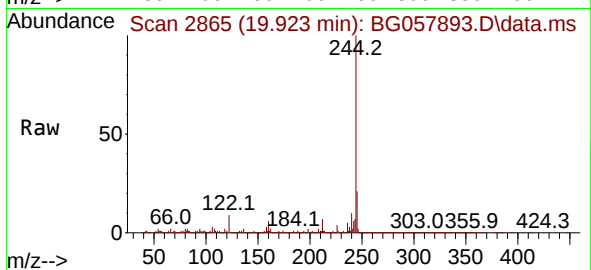
Tgt Ion:244 Resp: 792059

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 8.7 7.4 11.0



#81

Benzo(a)anthracene

Concen: 22.698 ng

RT: 21.545 min Scan# 3141

Delta R.T. 0.006 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

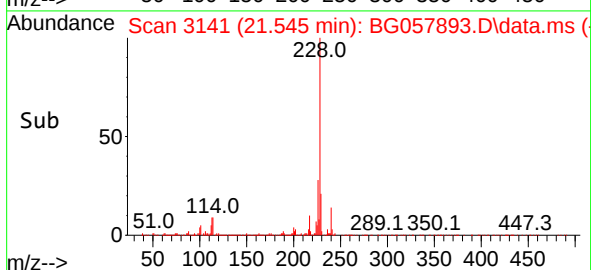
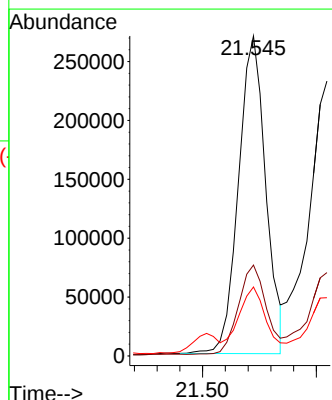
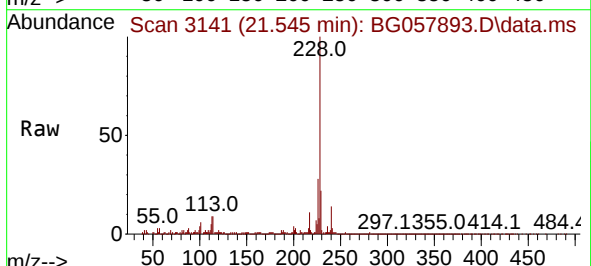
Tgt Ion:228 Resp: 448391

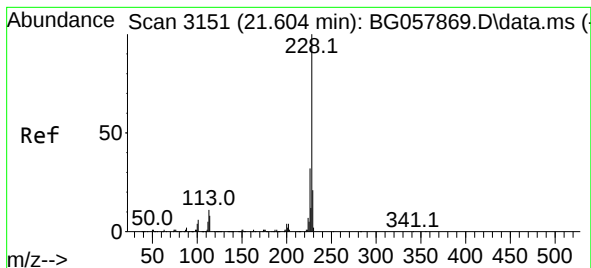
Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

229 21.6 16.5 24.7





#83

Chrysene

Concen: 22.174 ng

RT: 21.609 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

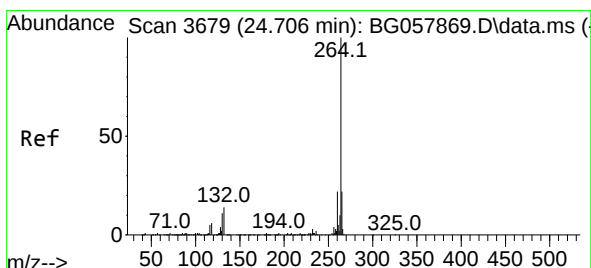
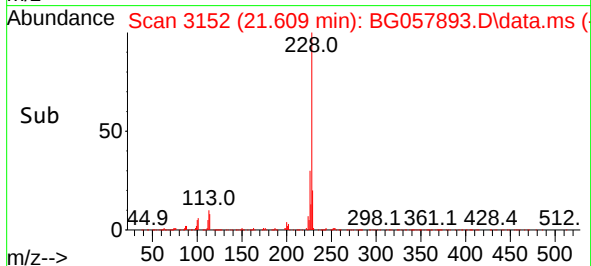
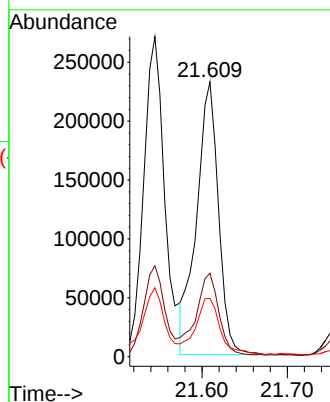
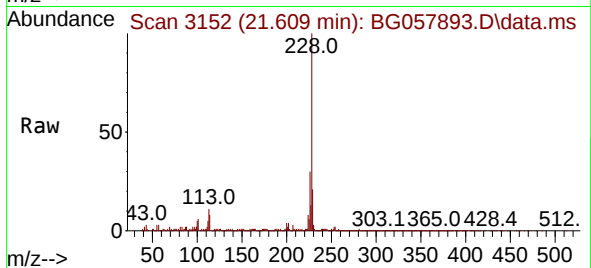
Tgt Ion:228 Resp: 414626

Ion Ratio Lower Upper

228 100

226 30.3 25.3 37.9

229 21.2 16.5 24.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.723 min Scan# 3682

Delta R.T. 0.017 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

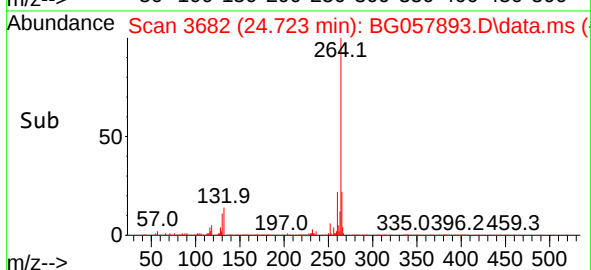
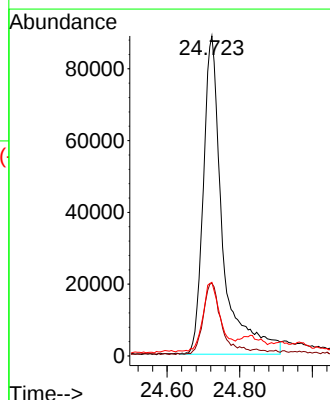
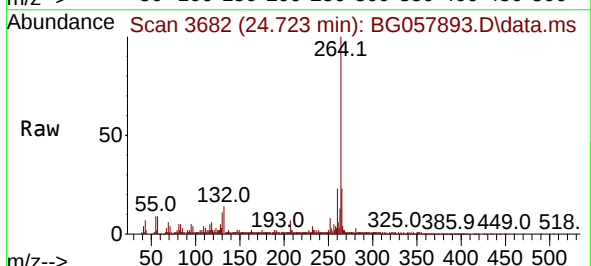
Tgt Ion:264 Resp: 327808

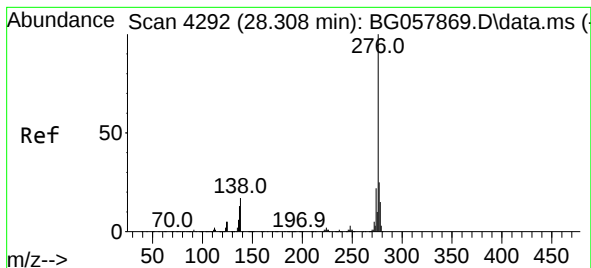
Ion Ratio Lower Upper

264 100

260 22.7 17.8 26.8

265 23.0 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.456 ng

RT: 28.319 min Scan# 41

Delta R.T. 0.011 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

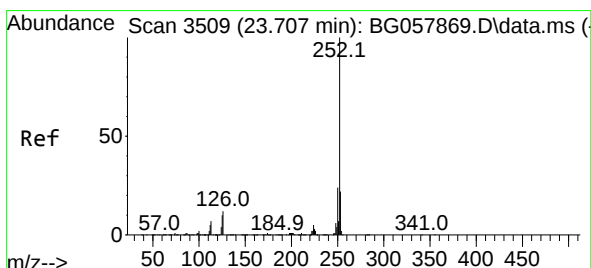
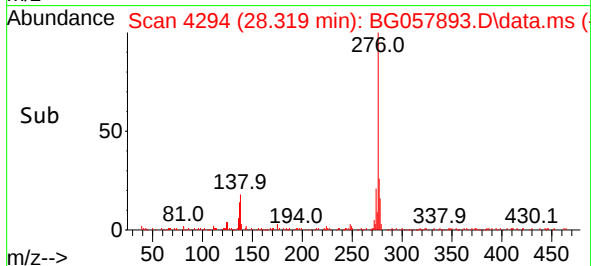
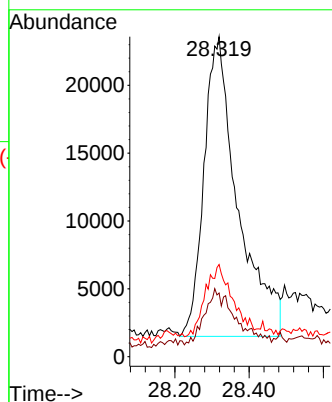
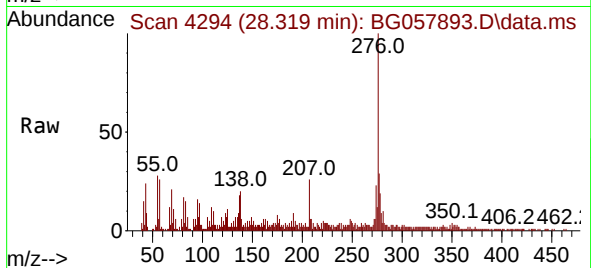
Tgt Ion:276 Resp: 140190

Ion Ratio Lower Upper

276 100

138 8.7 12.2 18.4#

277 19.6 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 26.455 ng

RT: 23.724 min Scan# 3512

Delta R.T. 0.017 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

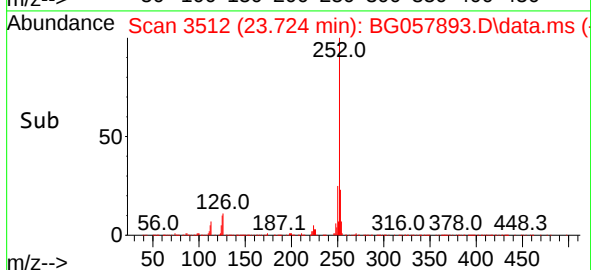
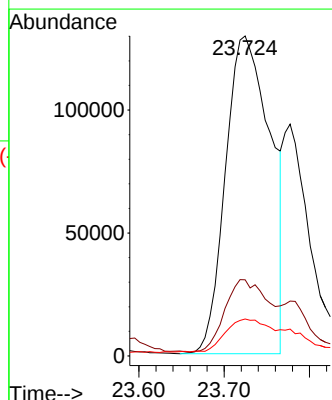
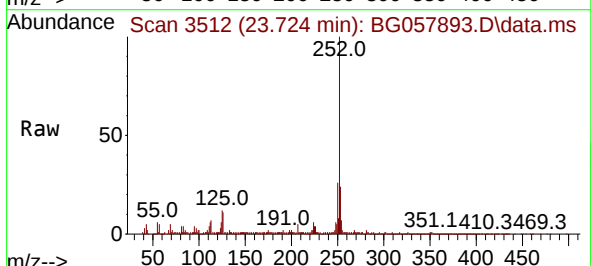
Tgt Ion:252 Resp: 472999

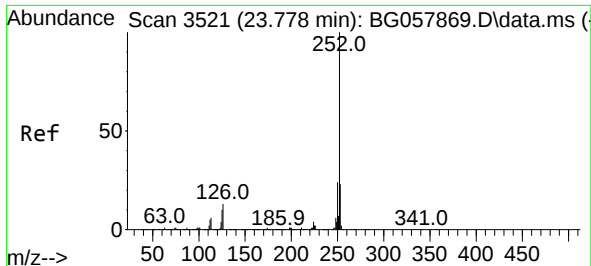
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 11.6 7.7 11.5#

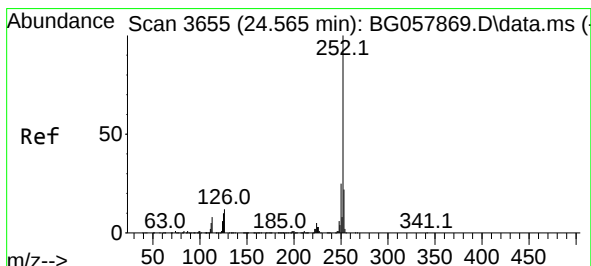
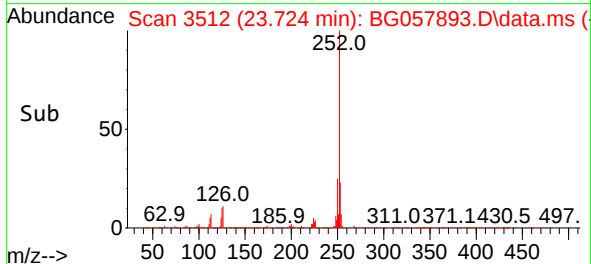
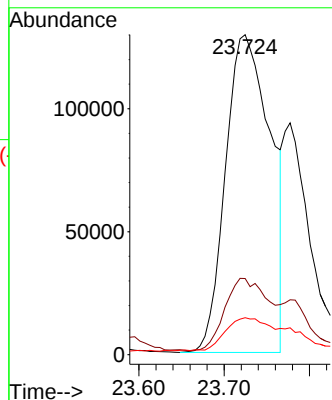
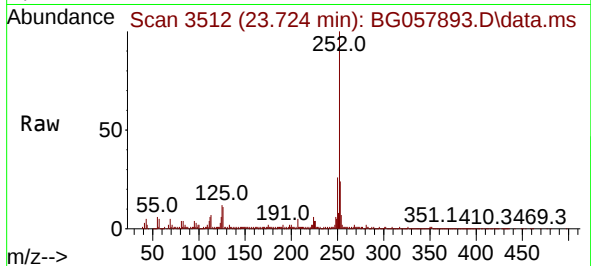




#89
Benzo(k)fluoranthene
Concen: 26.176 ng
RT: 23.724 min Scan# 31
Delta R.T. -0.053 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

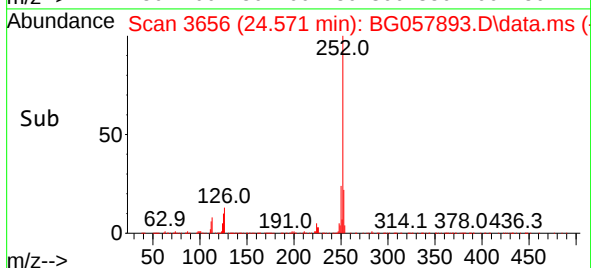
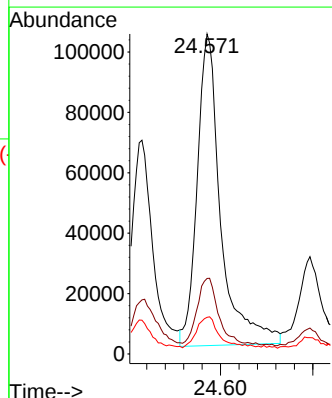
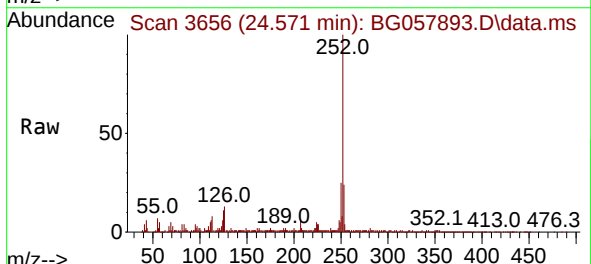
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

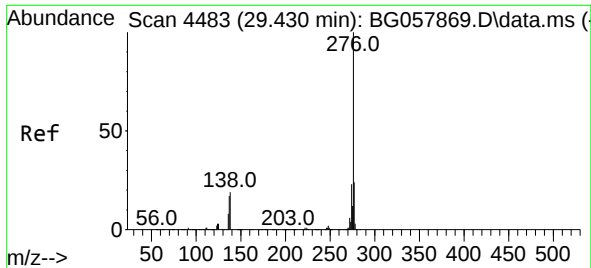
Tgt Ion:252 Resp: 472999
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 11.6 7.8 11.6



#90
Benzo(a)pyrene
Concen: 20.734 ng
RT: 24.571 min Scan# 3656
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

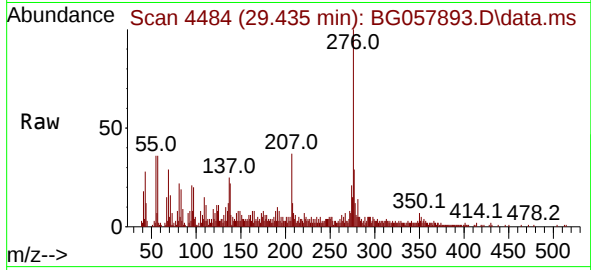
Tgt Ion:252 Resp: 367216
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 11.5 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 5.477 ng
RT: 29.435 min Scan# 44
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:	276	Resp:	98061
Ion Ratio	Lower	Upper	
276	100		
277	28.8	19.4	29.2
138	22.1	15.0	22.6

