

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059780.D
 Acq On : 20 Nov 2023 22:30
 Operator : MA/JU
 Sample : 05376-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 210

Quant Time: Nov 21 00:21:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

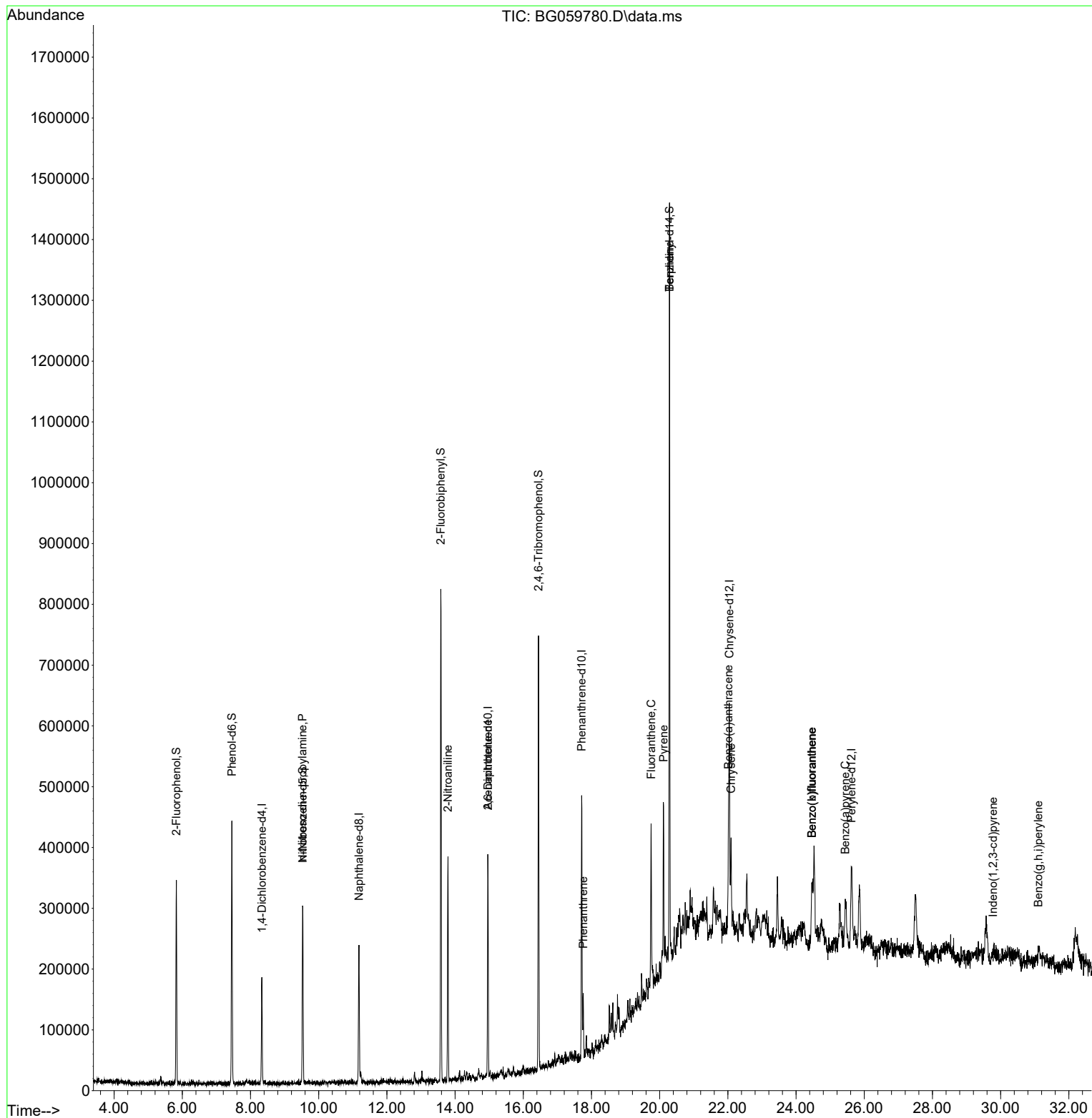
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	35503	20.000	ng	0.00
21) Naphthalene-d8	11.184	136	158798	20.000	ng	# 0.00
39) Acenaphthene-d10	14.962	164	110226	20.000	ng	0.00
64) Phenanthrene-d10	17.711	188	231829	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	170265	20.000	ng	# 0.00
86) Perylene-d12	25.626	264	189870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	114424	54.247	ng	0.00
7) Phenol-d6	7.453	99	188980	60.458	ng	0.00
23) Nitrobenzene-d5	9.533	82	186268	44.799	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	93200	74.521	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	358563	43.787	ng	-0.02
79) Terphenyl-d14	20.291	244	497637	43.147	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.527	70	30119	12.236	ng	# 87
48) 2-Nitroaniline	13.792	65	11964	5.637	ng	# 18
51) 2,6-Dinitrotoluene	14.962	165	15691	9.683	ng	# 2
71) Phenanthrene	17.758	178	56048	4.755	ng	# 89
75) Fluoranthene	19.750	202	154412	10.924	ng	97
77) Benzidine	20.291	184	18810	4.872	ng	98
78) Pyrene	20.114	202	167220	14.435	ng	98
81) Benzo(a)anthracene	22.018	228	98541	8.458	ng	97
83) Chrysene	22.094	228	87457	8.189	ng	99
87) Indeno(1,2,3-cd)pyrene	29.780	276	42953	2.990	ng	# 73
88) Benzo(b)fluoranthene	24.462	252	134196	12.895	ng	# 91
89) Benzo(k)fluoranthene	24.462	252	134196	13.044	ng	95
90) Benzo(a)pyrene	25.444	252	96324	8.673	ng	# 98
92) Benzo(g,h,i)perylene	31.102	276	32753	2.840	ng	# 86

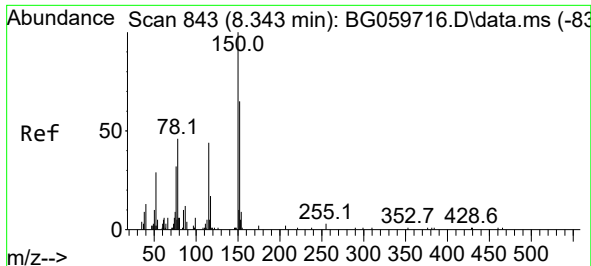
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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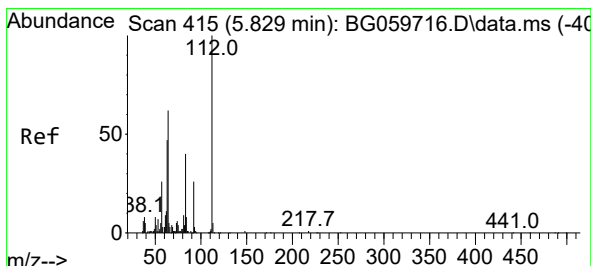
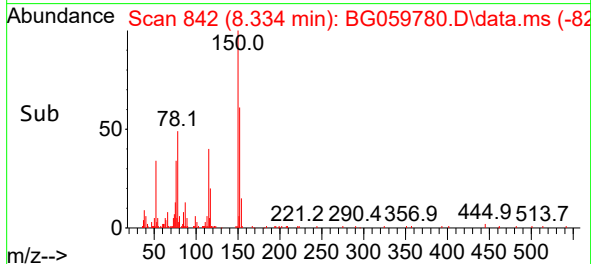
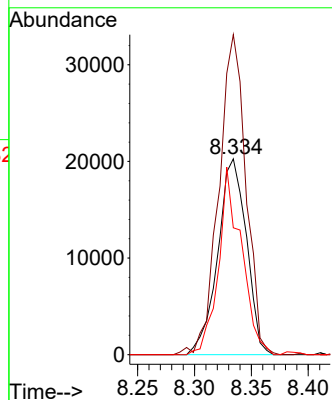
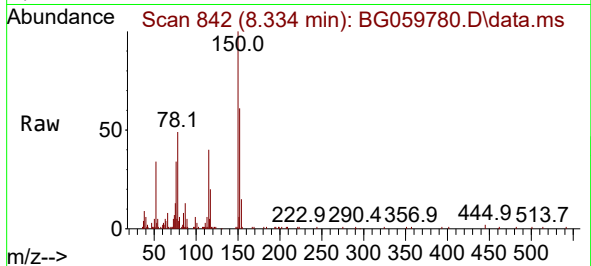




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 843
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

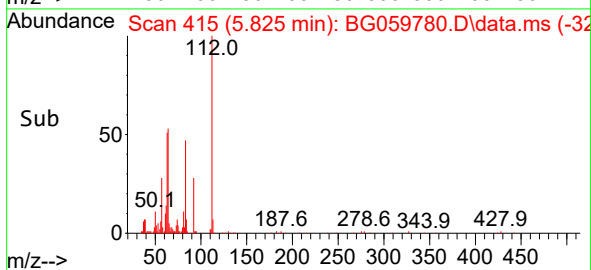
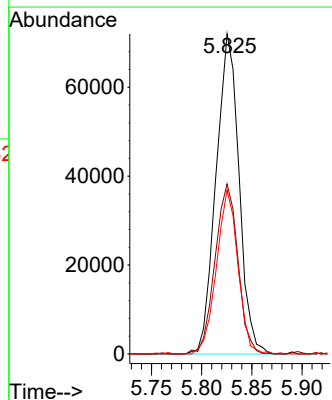
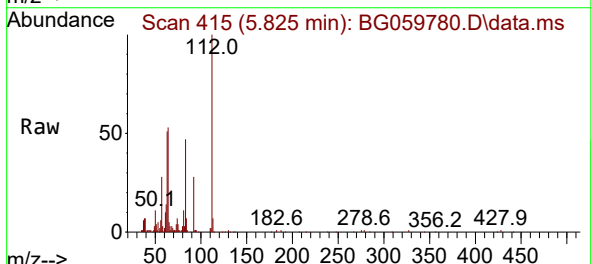
Instrument :
BNA_G
ClientSampleId :
210

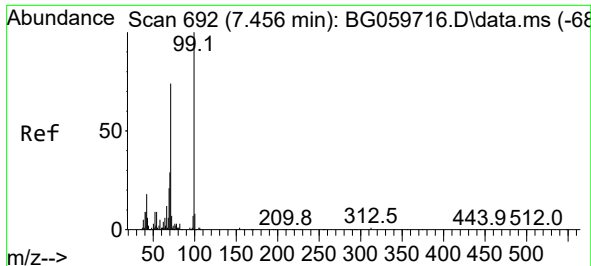
Tgt Ion:152 Resp: 35503
Ion Ratio Lower Upper
152 100
150 163.4 122.2 183.4
115 64.8 54.2 81.4



#5
2-Fluorophenol
Concen: 54.247 ng
RT: 5.825 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion:112 Resp: 114424
Ion Ratio Lower Upper
112 100
64 53.2 49.5 74.3
63 51.2 37.4 56.2

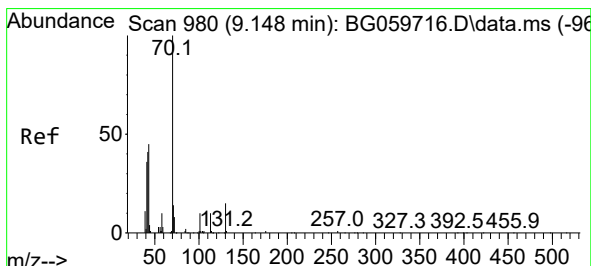
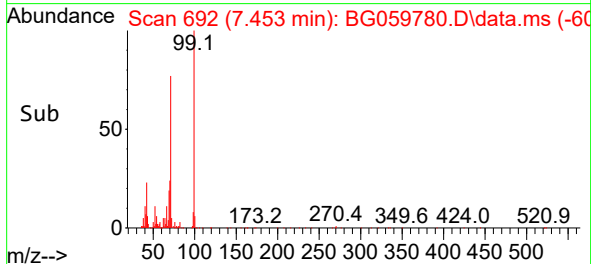
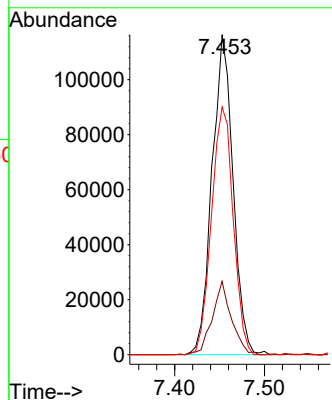
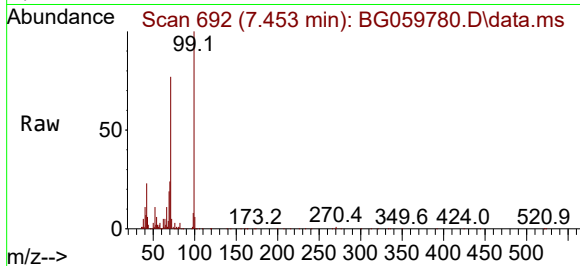




#7
Phenol-d6
Concen: 60.458 ng
RT: 7.453 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

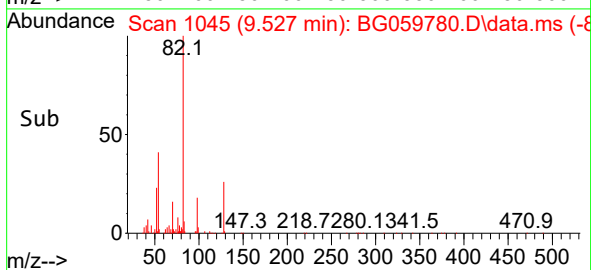
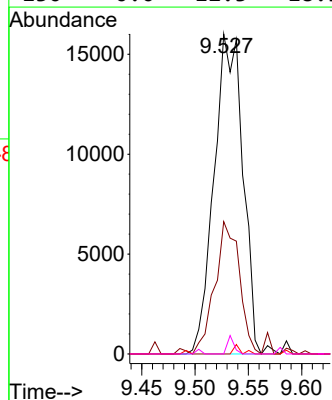
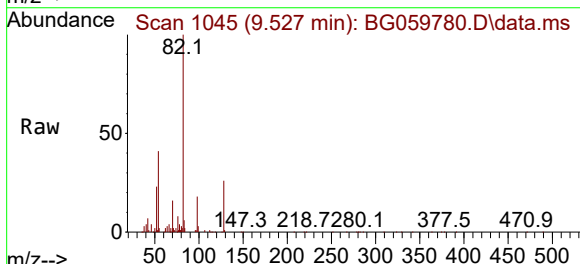
Instrument :
BNA_G
ClientSampleId :
210

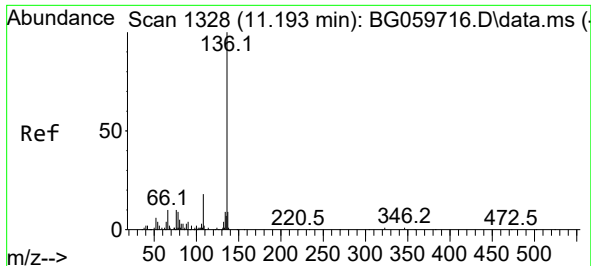
Tgt Ion: 99 Resp: 188980
Ion Ratio Lower Upper
99 100
42 22.9 14.3 21.5#
71 77.4 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.236 ng
RT: 9.527 min Scan# 1045
Delta R.T. 0.379 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion: 70 Resp: 30119
Ion Ratio Lower Upper
70 100
42 41.3 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

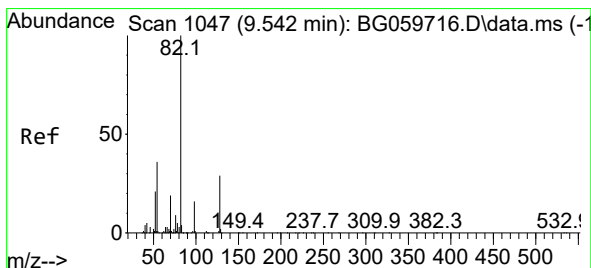
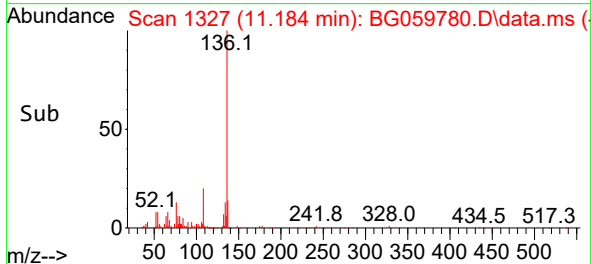
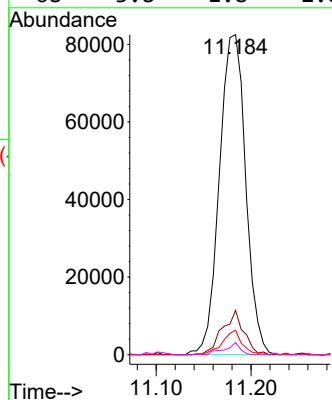
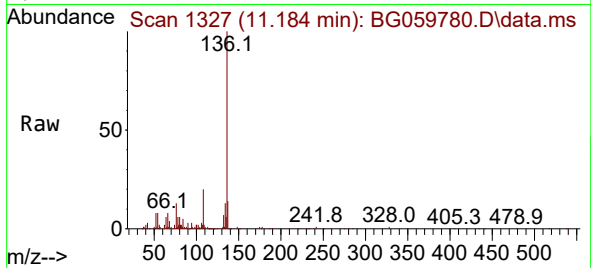




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.184 min Scan# 111
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

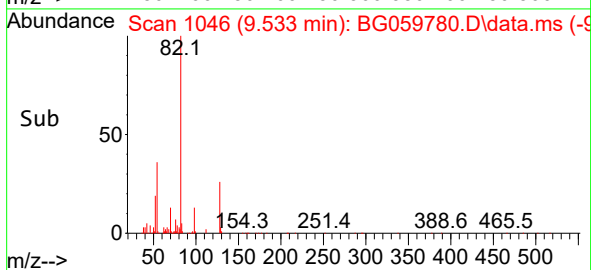
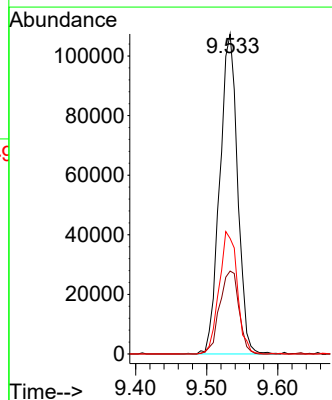
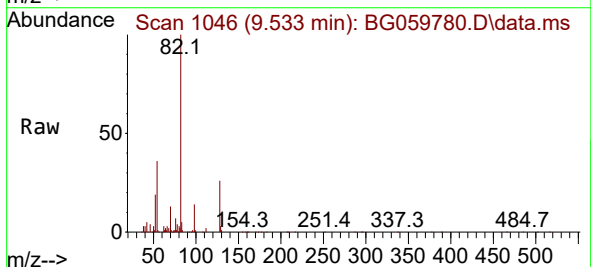
Instrument :
BNA_G
ClientSampleId :
210

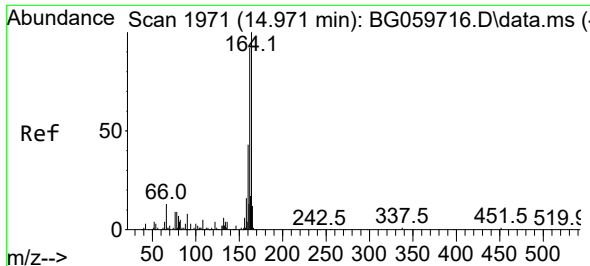
Tgt Ion:136 Resp: 158798
Ion Ratio Lower Upper
136 100
137 13.9 7.4 11.0#
54 7.6 3.1 4.7#
68 3.8 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 44.799 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion: 82 Resp: 186268
Ion Ratio Lower Upper
82 100
128 25.9 23.0 34.6
54 36.1 28.7 43.1

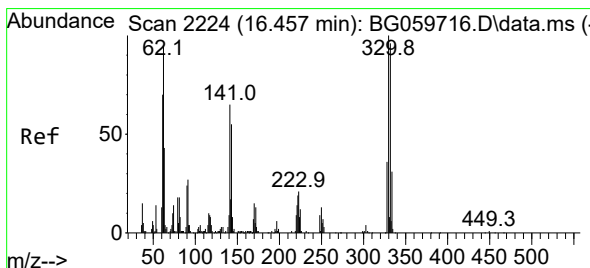
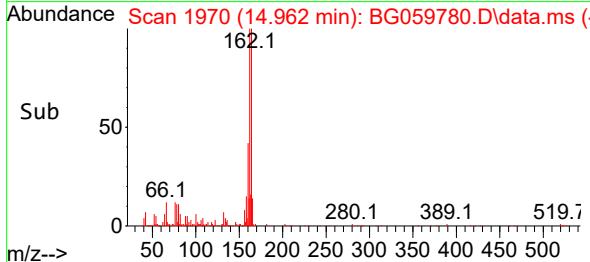
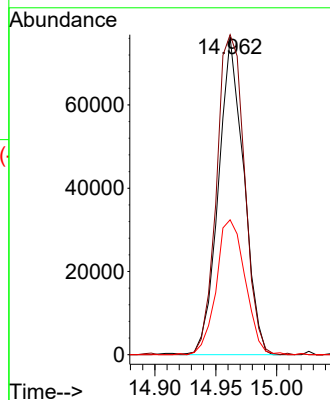
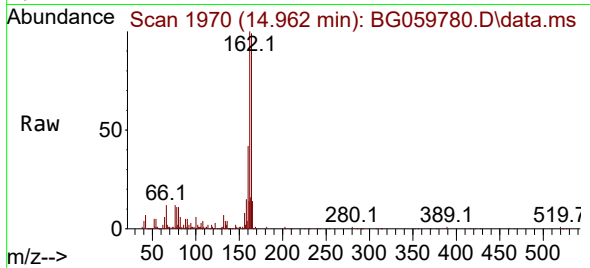




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

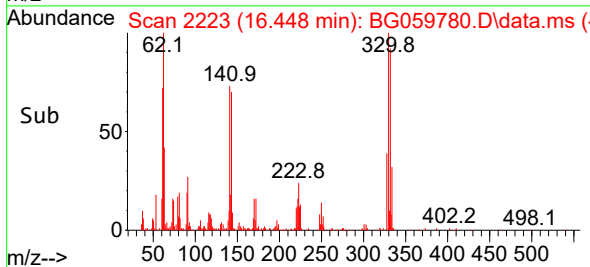
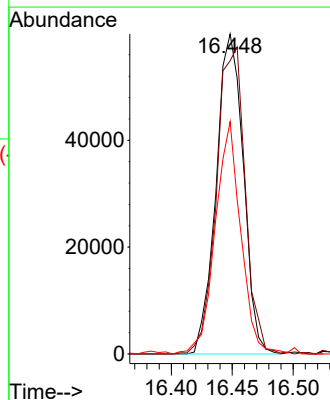
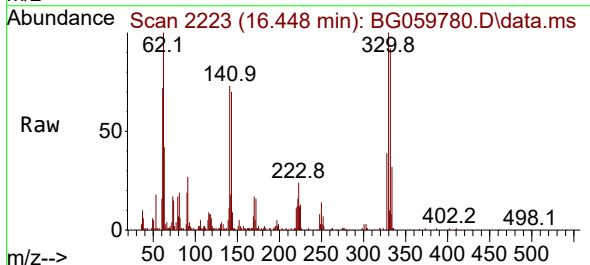
Instrument :
BNA_G
ClientSampleId :
210

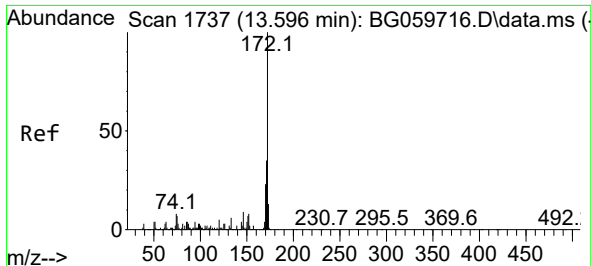
Tgt Ion:164 Resp: 110226
Ion Ratio Lower Upper
164 100
162 100.7 73.3 109.9
160 42.4 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 74.521 ng
RT: 16.448 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion:330 Resp: 93200
Ion Ratio Lower Upper
330 100
332 100.8 73.3 109.9
141 68.0 52.1 78.1

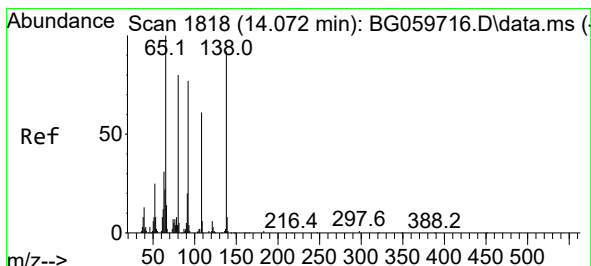
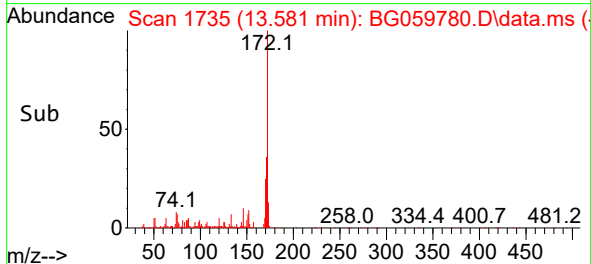
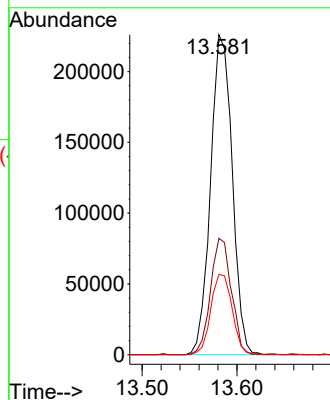
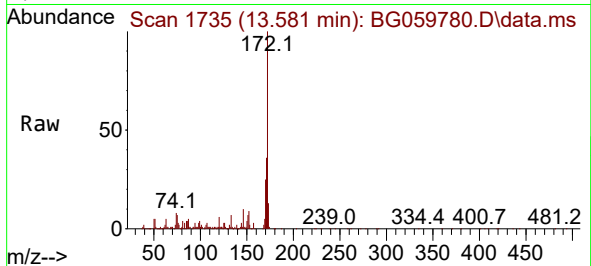




#45
2-Fluorobiphenyl
Concen: 43.787 ng
RT: 13.581 min Scan# 1771
Delta R.T. -0.015 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

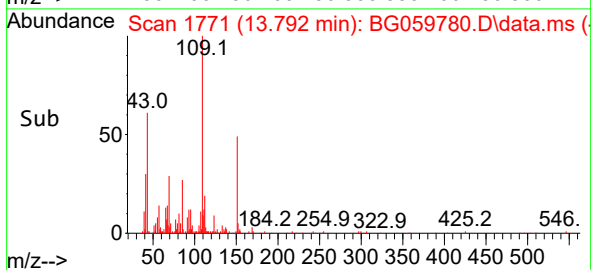
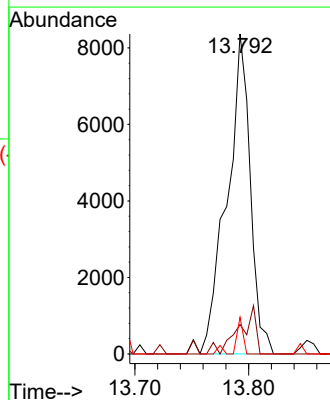
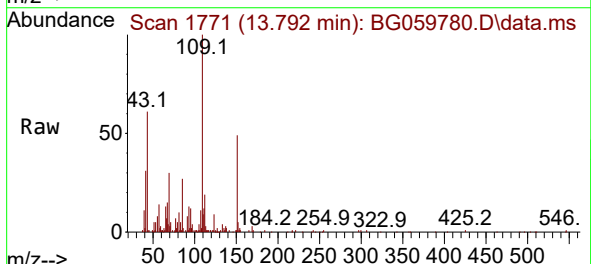
Instrument :
BNA_G
ClientSampleId :
210

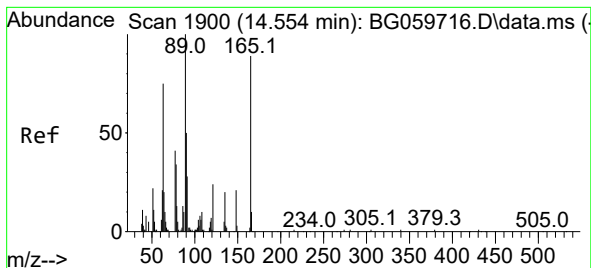
Tgt Ion:172 Resp: 358563
Ion Ratio Lower Upper
172 100
171 36.3 27.7 41.5
170 25.1 18.4 27.6



#48
2-Nitroaniline
Concen: 5.637 ng
RT: 13.792 min Scan# 1771
Delta R.T. -0.280 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion: 65 Resp: 11964
Ion Ratio Lower Upper
65 100
92 9.2 61.2 91.8#
138 11.4 73.8 110.6#





#51

2,6-Dinitrotoluene

Concen: 9.683 ng

RT: 14.962 min Scan# 1900

Delta R.T. 0.408 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

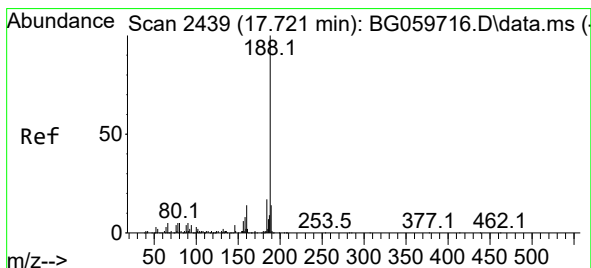
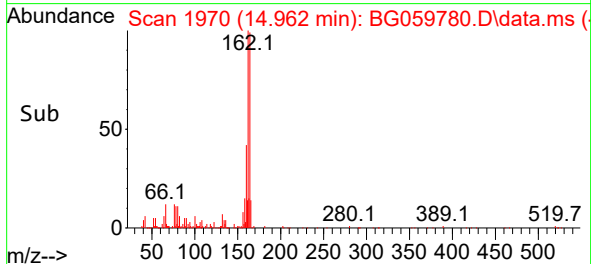
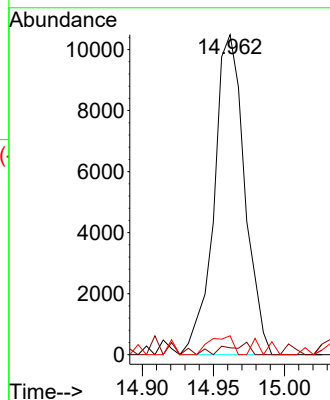
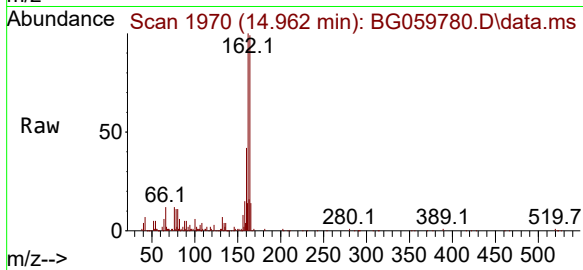
Tgt Ion:165 Resp: 15691

Ion Ratio Lower Upper

165 100

63 2.2 75.3 112.9#

89 5.9 90.9 136.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.711 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

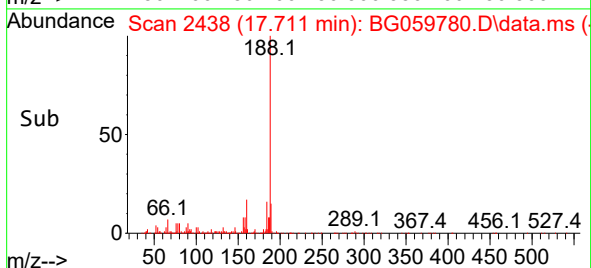
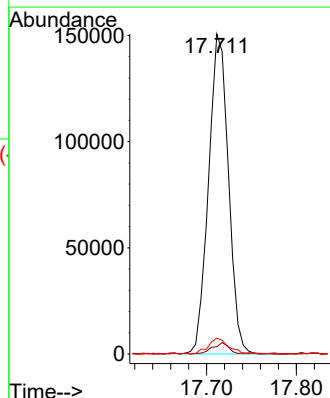
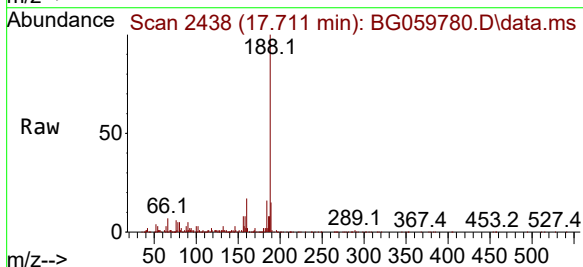
Tgt Ion:188 Resp: 231829

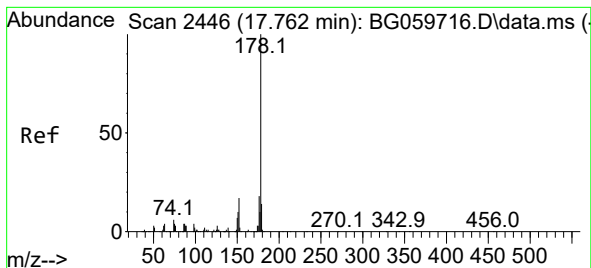
Ion Ratio Lower Upper

188 100

94 2.3 3.0 4.4#

80 5.0 4.2 6.4





#71

Phenanthrene

Concen: 4.755 ng

RT: 17.758 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

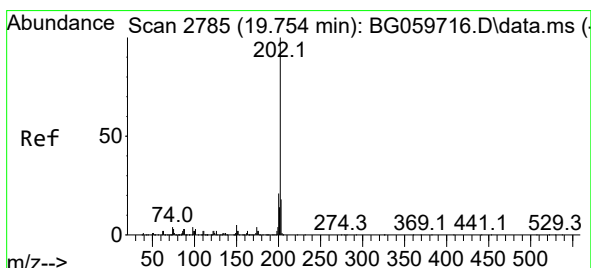
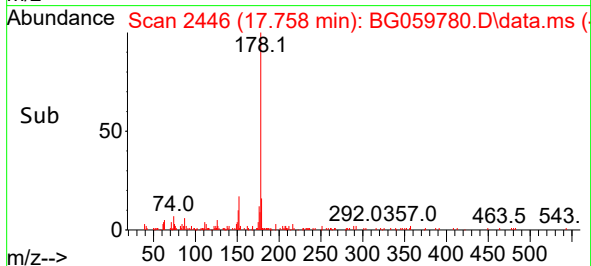
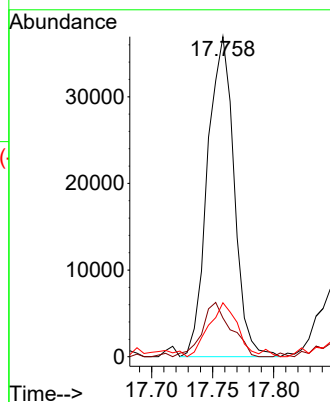
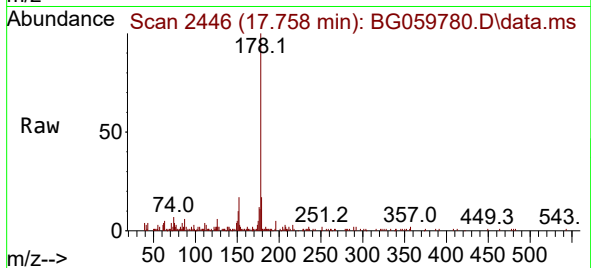
Tgt Ion:178 Resp: 56048

Ion Ratio Lower Upper

178 100

176 12.1 14.5 21.7#

179 16.9 11.2 16.8#



#75

Fluoranthene

Concen: 10.924 ng

RT: 19.750 min Scan# 2785

Delta R.T. -0.003 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

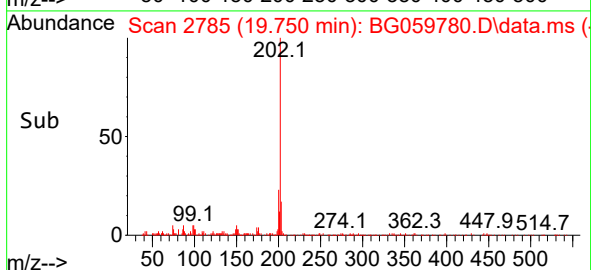
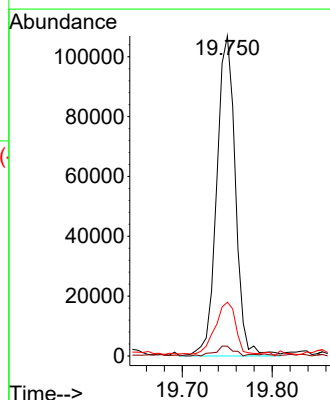
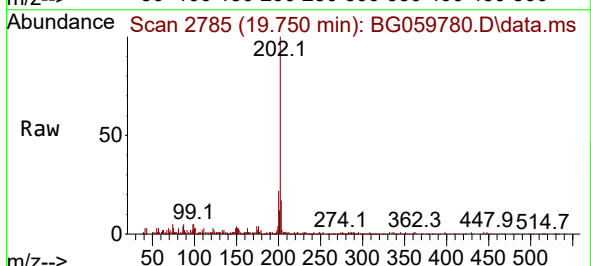
Tgt Ion:202 Resp: 154412

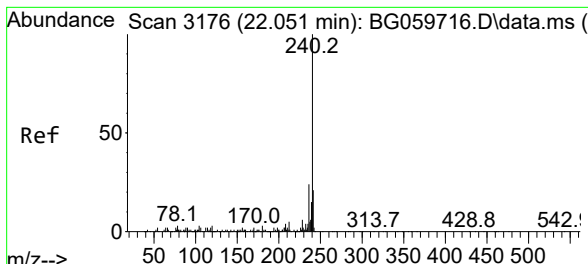
Ion Ratio Lower Upper

202 100

101 3.1 0.0 22.7

203 16.8 0.0 38.2

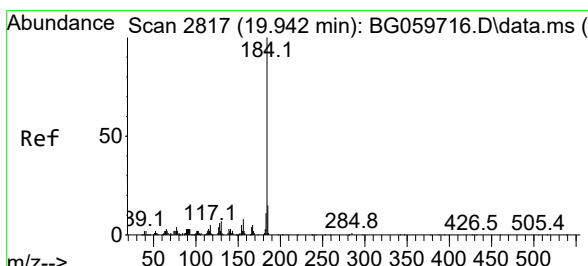
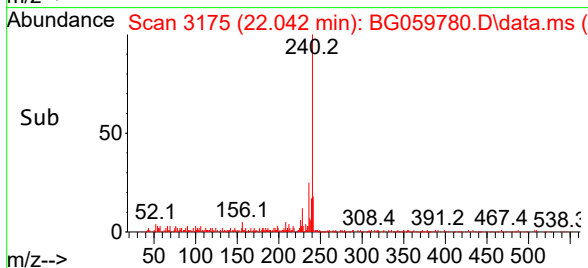
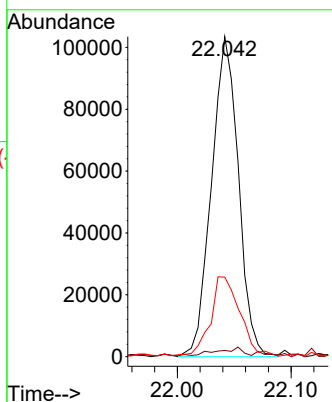
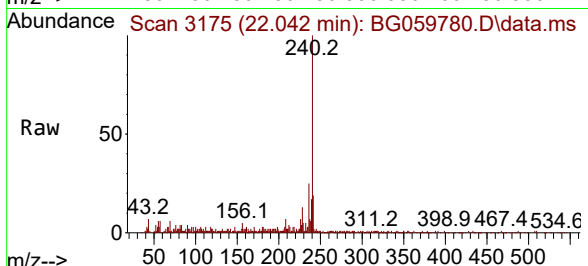




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.042 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BG059780.D
 Acq: 20 Nov 2023 22:30

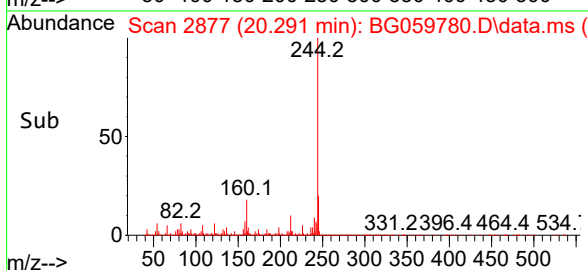
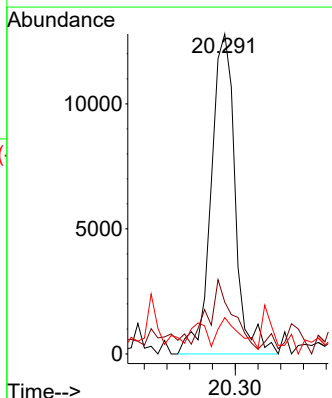
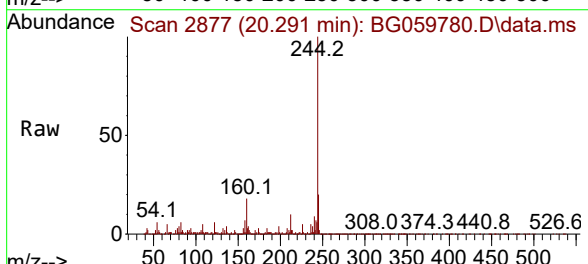
Instrument :
 BNA_G
 ClientSampleId :
 210

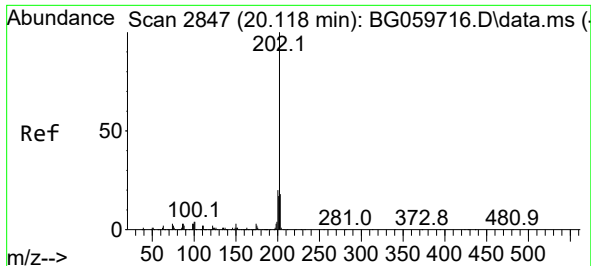
Tgt Ion:	240	Resp:	170265
Ion Ratio	Lower	Upper	
240	100		
120	2.0	2.2	3.2#
236	24.8	19.4	29.2



#77
 Benzidine
 Concen: 4.872 ng
 RT: 20.291 min Scan# 2877
 Delta R.T. 0.349 min
 Lab File: BG059780.D
 Acq: 20 Nov 2023 22:30

Tgt Ion:	184	Resp:	18810
Ion Ratio	Lower	Upper	
184	100		
185	16.2	12.2	18.2
183	11.3	8.8	13.2

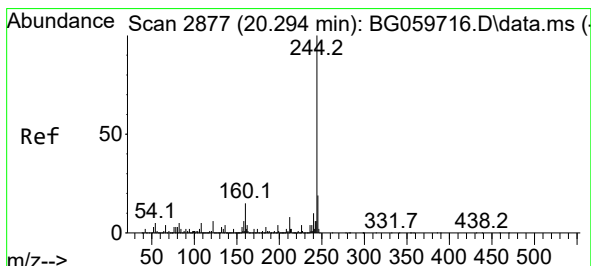
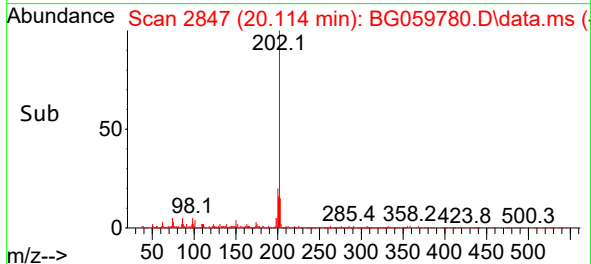
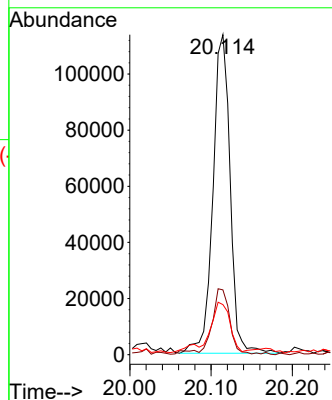
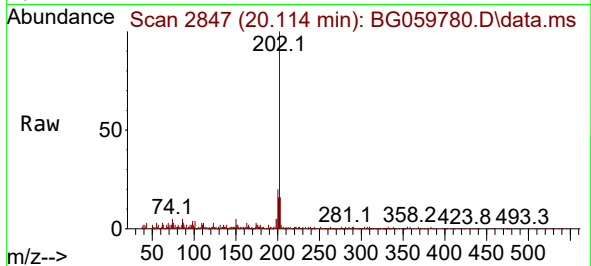




#78
 Pyrene
 Concen: 14.435 ng
 RT: 20.114 min Scan# 210
 Delta R.T. -0.003 min
 Lab File: BG059780.D
 Acq: 20 Nov 2023 22:30

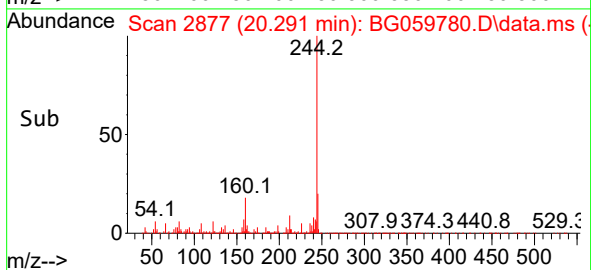
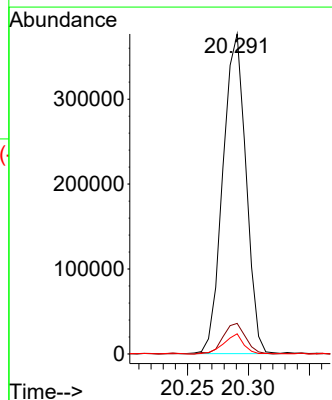
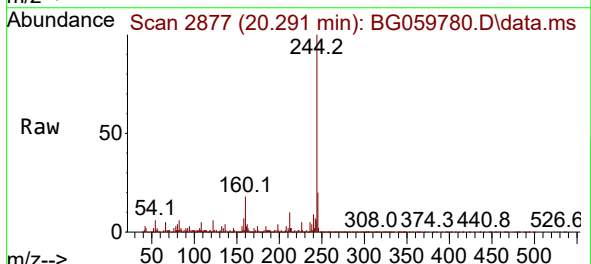
Instrument :
 BNA_G
 ClientSampleId :
 210

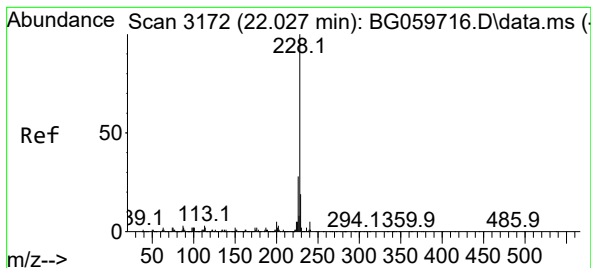
Tgt Ion:202 Resp: 167220
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.4
 203 15.6 14.0 21.0



#79
 Terphenyl-d14
 Concen: 43.147 ng
 RT: 20.291 min Scan# 2877
 Delta R.T. -0.003 min
 Lab File: BG059780.D
 Acq: 20 Nov 2023 22:30

Tgt Ion:244 Resp: 497637
 Ion Ratio Lower Upper
 244 100
 212 9.5 6.6 10.0
 122 6.3 4.4 6.6





#81

Benzo(a)anthracene

Concen: 8.458 ng

RT: 22.018 min Scan# 3171

Delta R.T. -0.009 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

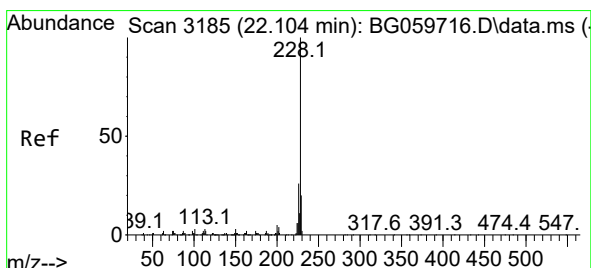
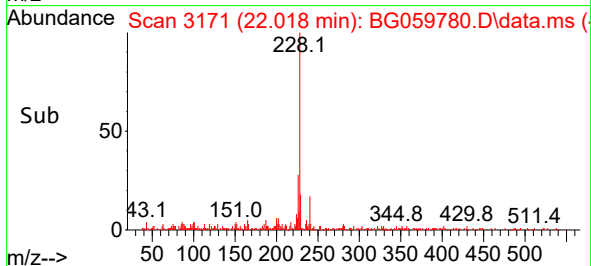
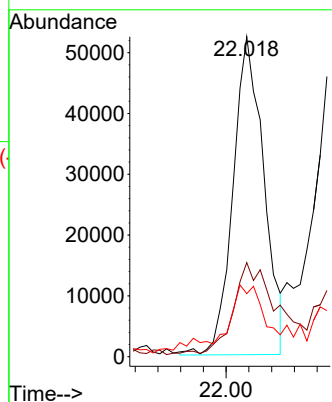
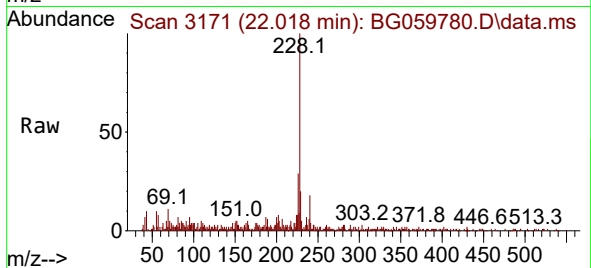
Tgt Ion:228 Resp: 98541

Ion Ratio Lower Upper

228 100

226 29.4 22.1 33.1

229 19.7 14.9 22.3



#83

Chrysene

Concen: 8.189 ng

RT: 22.094 min Scan# 3184

Delta R.T. -0.009 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

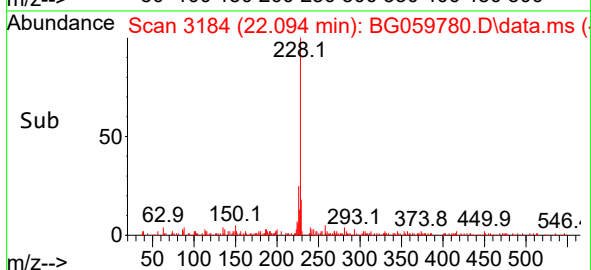
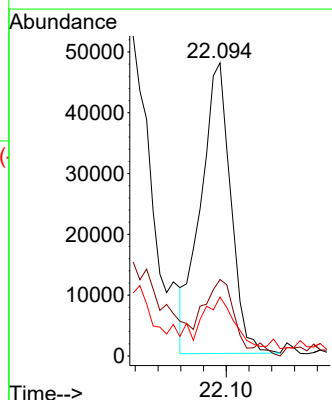
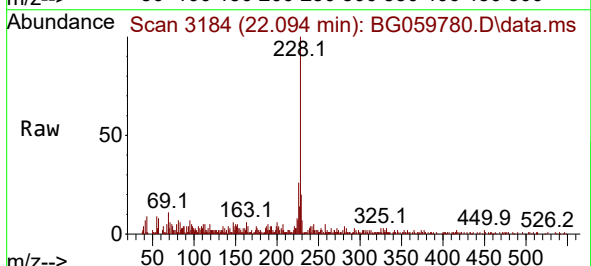
Tgt Ion:228 Resp: 87457

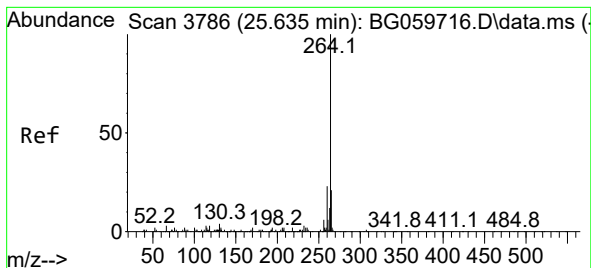
Ion Ratio Lower Upper

228 100

226 26.1 21.1 31.7

229 20.1 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.626 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

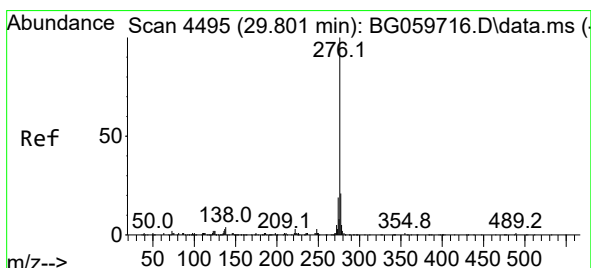
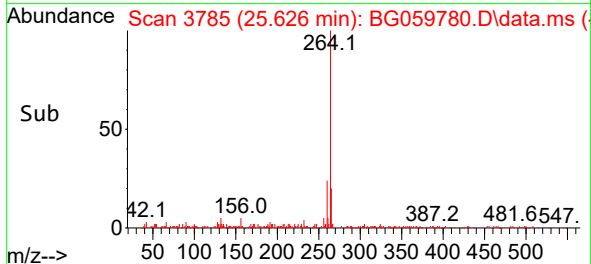
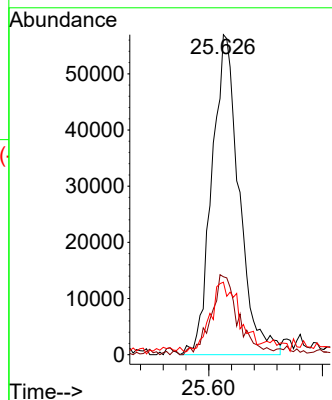
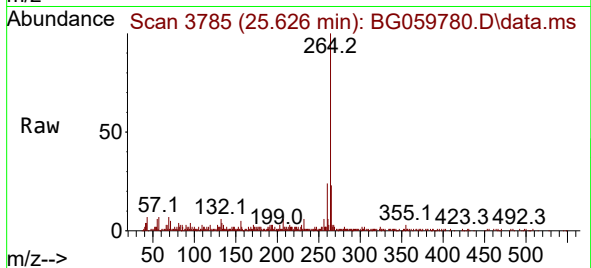
Tgt Ion:264 Resp: 189870

Ion Ratio Lower Upper

264 100

260 24.4 18.5 27.7

265 22.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.990 ng

RT: 29.780 min Scan# 4492

Delta R.T. -0.021 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

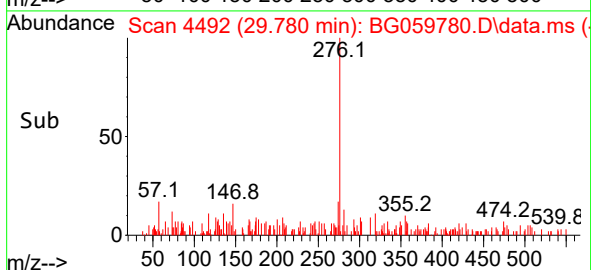
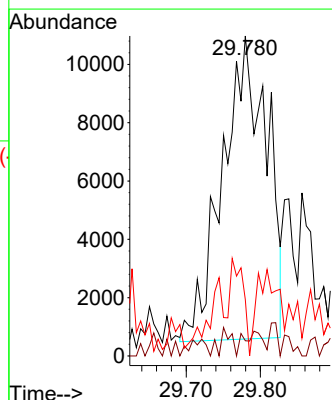
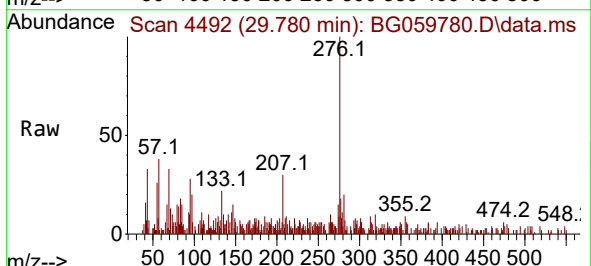
Tgt Ion:276 Resp: 42953

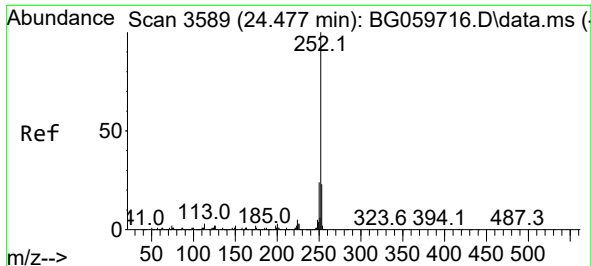
Ion Ratio Lower Upper

276 100

138 3.5 1.8 2.6#

277 0.0 9.8 14.6#

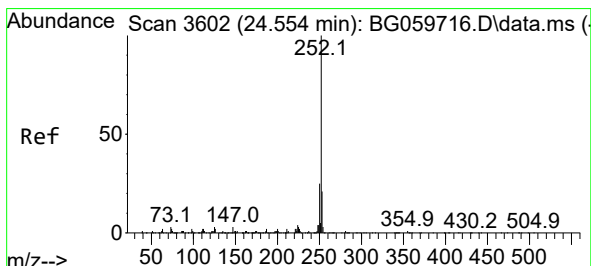
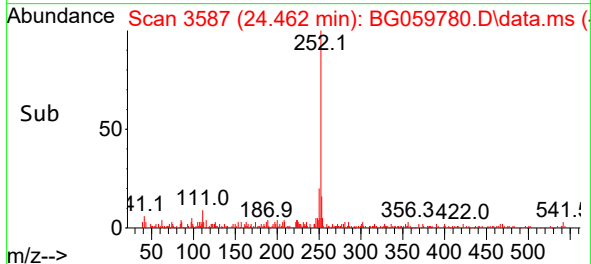
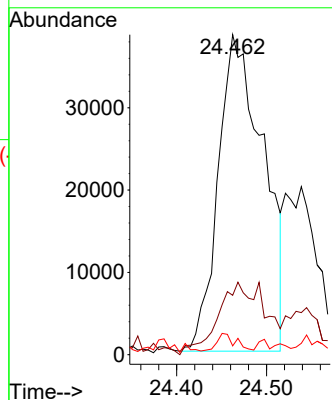
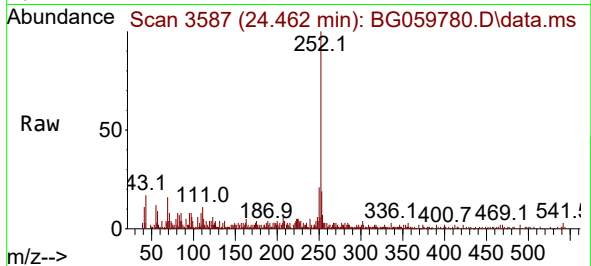




#88
Benzo(b)fluoranthene
Concen: 12.895 ng
RT: 24.462 min Scan# 3587
Delta R.T. -0.015 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

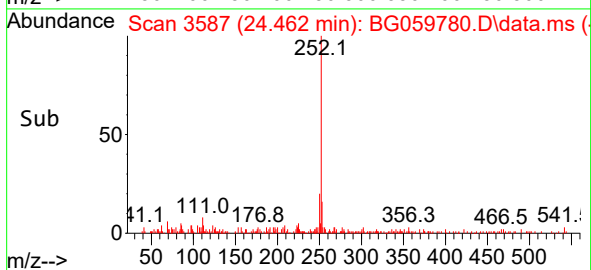
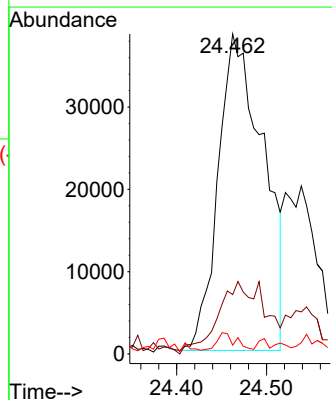
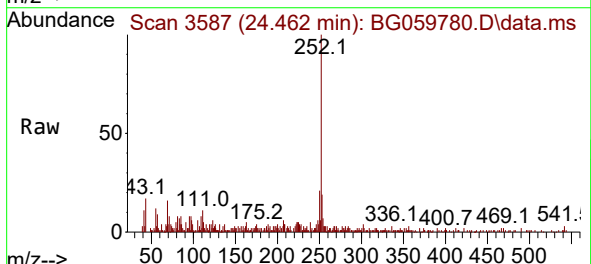
Instrument :
BNA_G
ClientSampleId :
210

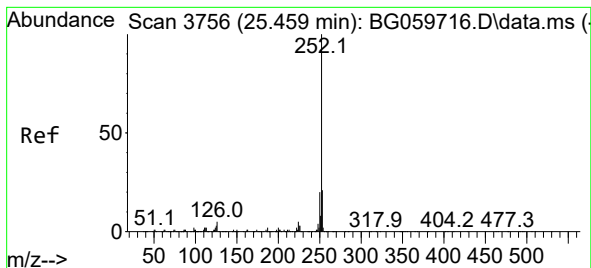
Tgt Ion:252 Resp: 134196
Ion Ratio Lower Upper
252 100
253 18.6 18.3 27.5
125 2.7 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 13.044 ng
RT: 24.462 min Scan# 3587
Delta R.T. -0.091 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion:252 Resp: 134196
Ion Ratio Lower Upper
252 100
253 18.6 17.1 25.7
125 2.7 2.2 3.2





#90

Benzo(a)pyrene

Concen: 8.673 ng

RT: 25.444 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

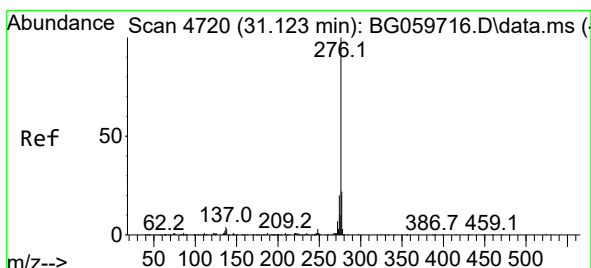
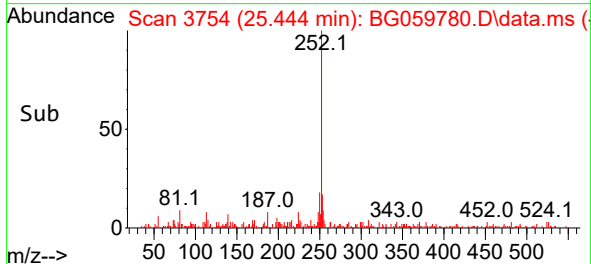
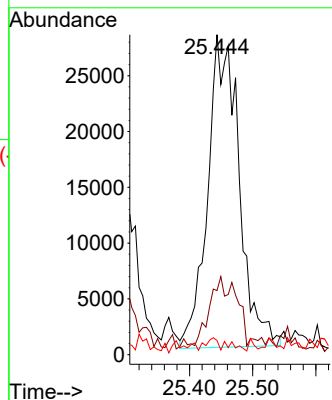
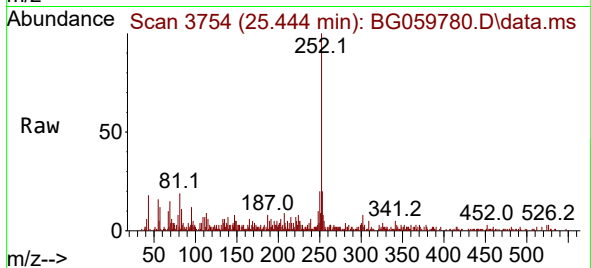
Tgt Ion:252 Resp: 96324

Ion Ratio Lower Upper

252 100

253 20.1 16.8 25.2

125 4.5 2.0 3.0#



#92

Benzo(g,h,i)perylene

Concen: 2.840 ng

RT: 31.102 min Scan# 4717

Delta R.T. -0.021 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Tgt Ion:276 Resp: 32753

Ion Ratio Lower Upper

276 100

277 13.9 17.3 25.9#

138 3.3 2.6 4.0

