

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057277.D
 Acq On : 2 May 2023 13:43
 Operator : CG/JU
 Sample : 02417-15DL 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 01:05:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

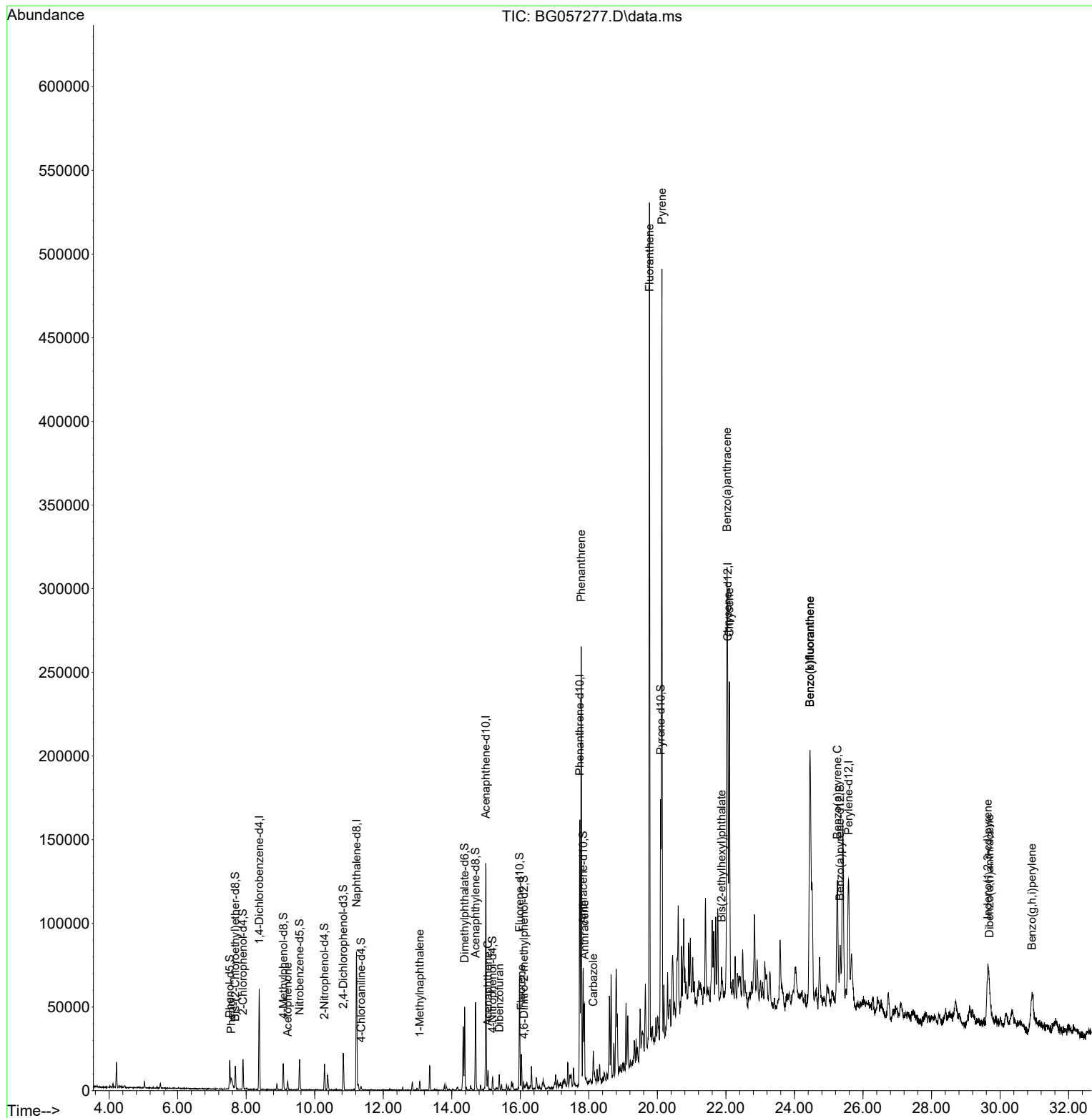
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.383	152	16707	20.000	ng/ul	0.00
20) Naphthalene-d8	11.221	136	69884	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.992	164	49211	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.735	188	103624	20.000	ng/ul	0.00
79) Chrysene-d12	22.053	240	86333	20.000	ng/ul	# 0.00
88) Perylene-d12	25.578	264	91919	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.660	96	238	0.627	ng/uL	0.00
4) Pyridine-d5	4.101	84	127	0.106	ng/ul	0.00
7) Phenol-d5	7.526	99	10848	6.866	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.684	67	6747	7.260	ng/ul	0.00
11) 2-Chlorophenol-d4	7.908	132	7949	7.634	ng/ul	0.00
15) 4-Methylphenol-d8	9.082	113	6323	5.265	ng/ul	0.00
21) Nitrobenzene-d5	9.558	128	4362	7.838	ng/ul	0.00
24) 2-Nitrophenol-d4	10.287	143	4755	7.321	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	9553	7.624	ng/ul	0.00
31) 4-Chloroaniline-d4	11.356	131	2099	1.264	ng/ul	0.00
46) Dimethylphthalate-d6	14.375	166	31090	7.973	ng/ul	0.00
49) Acenaphthylene-d8	14.693	160	36996	8.442	ng/ul	0.00
54) 4-Nitrophenol-d4	15.192	143	1892	3.333	ng/ul	0.01
60) Fluorene-d10	15.979	176	28631	7.882	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.102	200	1264	2.059	ng/ul	0.00
73) Anthracene-d10	17.835	188	41766	8.830	ng/ul	0.00
81) Pyrene-d10	20.097	212	46398	9.054	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.331	264	41730	8.911	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.561	94	9331	5.859	ng/ul	97
16) Acetophenone	9.212	105	3200	1.549	ng/ul#	90
37) 1-Methylnaphthalene	13.065	142	2993	1.058	ng/ul#	99
52) Acenaphthene	15.057	153	5485	1.729	ng/ul	98
56) Dibenzofuran	15.392	168	5348	1.167	ng/ul	98
61) Fluorene	16.032	166	8797	2.270	ng/ul	97
72) Phenanthrene	17.777	178	170156	31.532	ng/ul	97
74) Anthracene	17.871	178	33729	6.222	ng/ul	98
77) Carbazole	18.129	167	11503	2.539	ng/ul#	92
80) Fluoranthene	19.768	202	320968	52.728	ng/ul	97
82) Pyrene	20.132	202	295580	47.965	ng/ul#	96
85) Benzo(a)anthracene	22.030	228	161897	26.515	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.871	149	5433	1.893	ng/ul#	99
87) Chrysene	22.100	228	151267	26.258	ng/ul	95
90) Benzo(b)fluoranthene	24.450	252	195470	30.709	ng/ul#	96
91) Benzo(k)fluoranthene	24.450	252	195470	31.565	ng/ul	99
93) Benzo(a)pyrene	25.249	252	88392	16.085	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.643	276	36111	5.257	ng/ul#	93
95) Dibenzo(a,h)anthracene	29.690	278	10434	1.832	ng/ul#	88
96) Benzo(g,h,i)perylene	30.929	276	30040	5.403	ng/ul	94

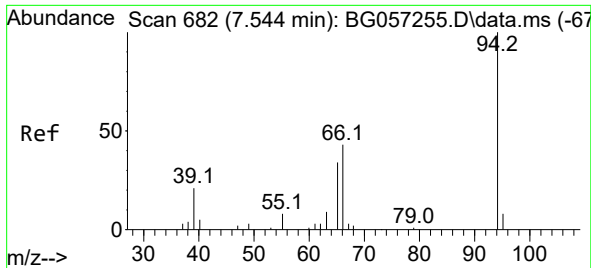
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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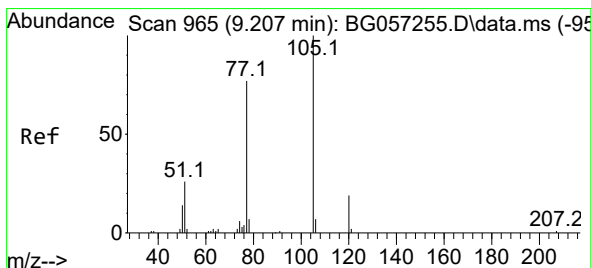
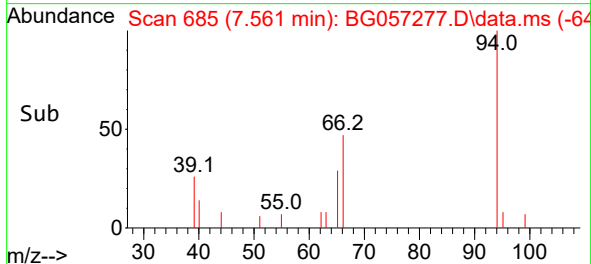
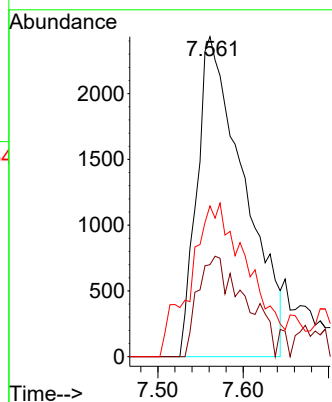
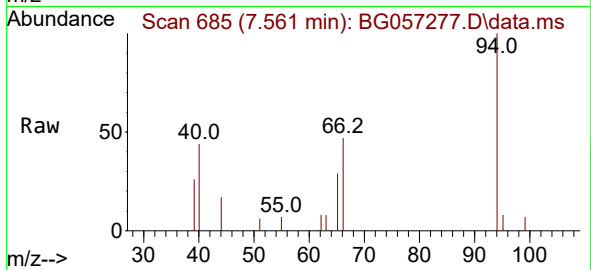




#8
Phenol
Concen: 5.859 ng/ul
RT: 7.561 min Scan# 685
Delta R.T. 0.020 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

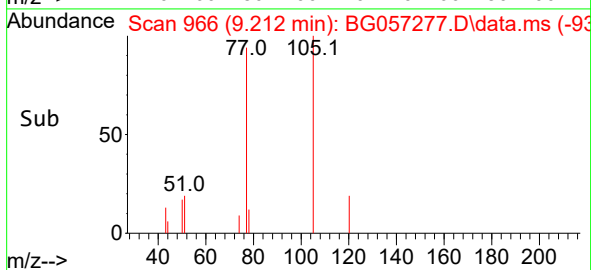
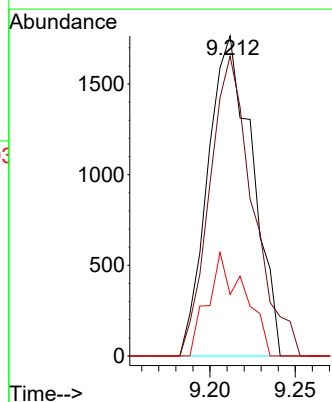
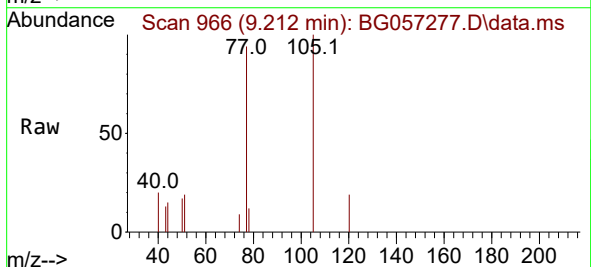
Instrument :
BNA_G
ClientSampleId :

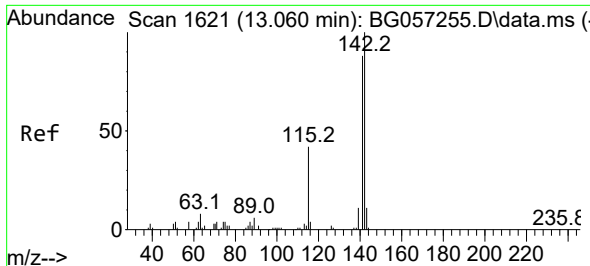
Tgt Ion: 94 Resp: 9331
Ion Ratio Lower Upper
94 100
65 28.8 25.5 38.3
66 47.1 36.9 55.3



#16
Acetophenone
Concen: 1.549 ng/ul
RT: 9.212 min Scan# 966
Delta R.T. 0.002 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

Tgt Ion: 105 Resp: 3200
Ion Ratio Lower Upper
105 100
77 93.7 70.6 105.8
51 19.2 24.5 36.7#





#37

1-Methylnaphthalene

Concen: 1.058 ng/ul

RT: 13.065 min Scan# 1

Delta R.T. 0.002 min

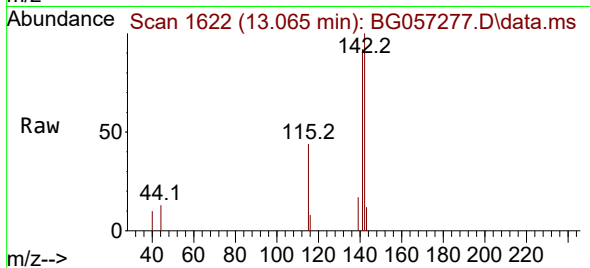
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Acq: 2 May 2023 13:43

Instrument :

BNA_G

ClientSampleId :



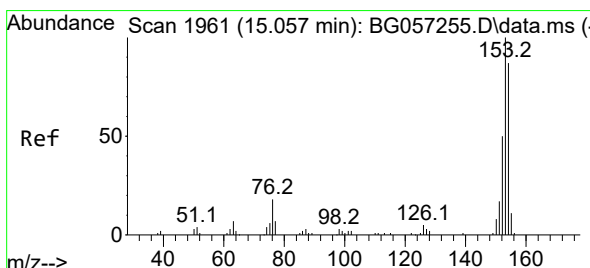
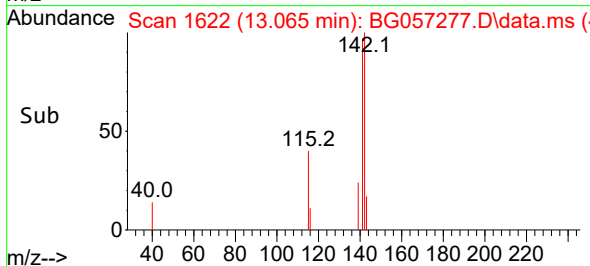
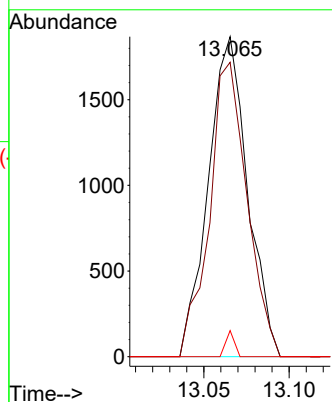
Tgt Ion:142 Resp: 2993

Ion Ratio Lower Upper

142 100

141 92.0 72.9 109.3

116 8.1 3.2 4.8#



#52

Acenaphthene

Concen: 1.729 ng/ul

RT: 15.057 min Scan# 1961

Delta R.T. -0.004 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

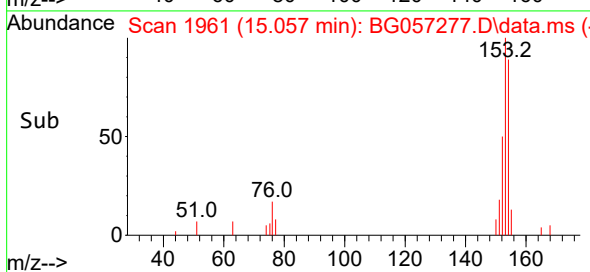
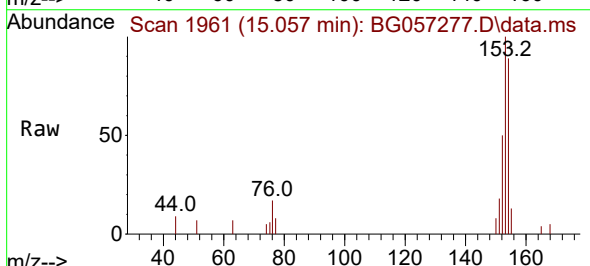
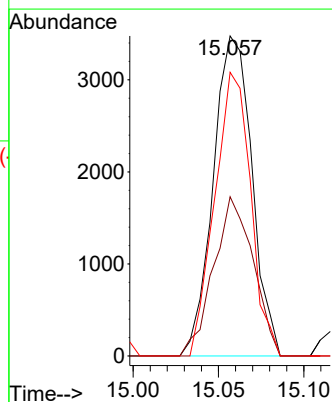
Tgt Ion:153 Resp: 5485

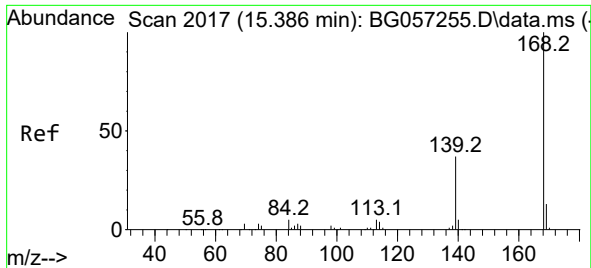
Ion Ratio Lower Upper

153 100

152 49.8 36.5 54.7

154 88.7 70.6 106.0

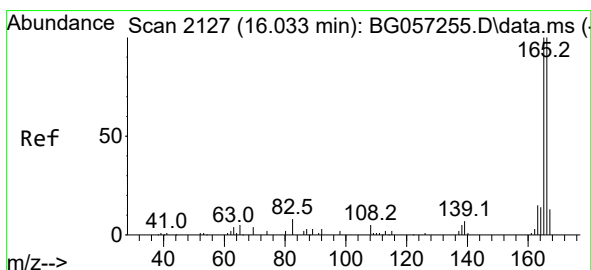
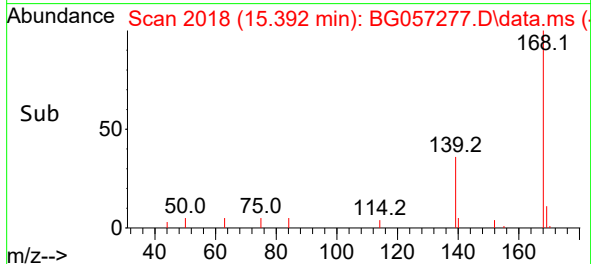
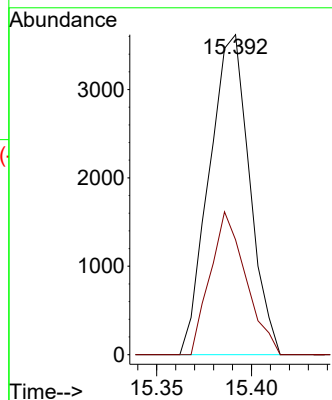
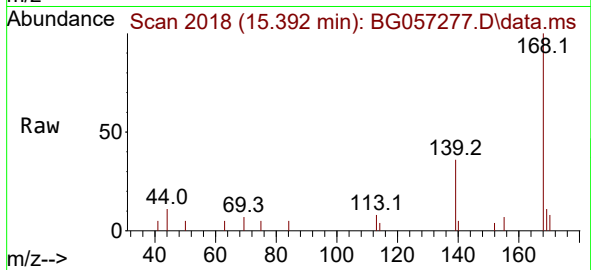




#56
Dibenzofuran
Concen: 1.167 ng/ul
RT: 15.392 min Scan# 2018
Delta R.T. 0.002 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

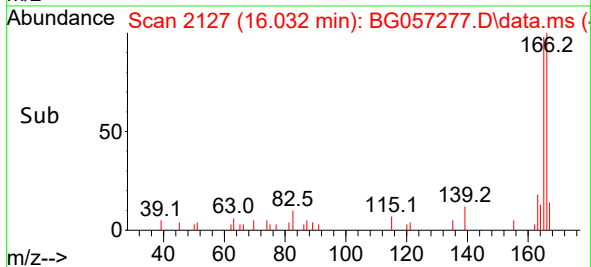
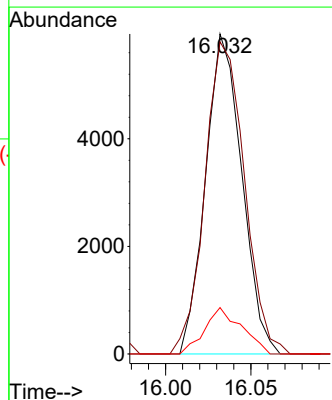
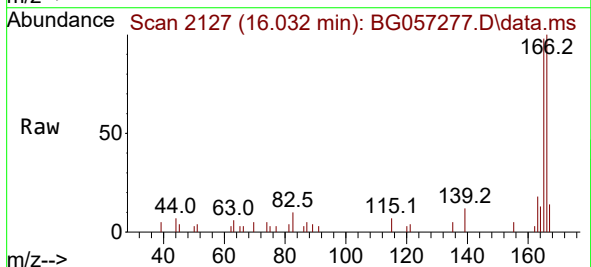
Instrument :
BNA_G
ClientSampleId :

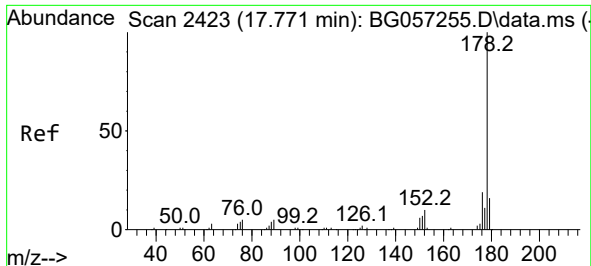
Tgt Ion:168 Resp: 5348
Ion Ratio Lower Upper
168 100
139 35.9 29.6 44.4



#61
Fluorene
Concen: 2.270 ng/ul
RT: 16.032 min Scan# 2127
Delta R.T. -0.004 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

Tgt Ion:166 Resp: 8797
Ion Ratio Lower Upper
166 100
165 97.5 80.1 120.1
167 14.5 10.2 15.4

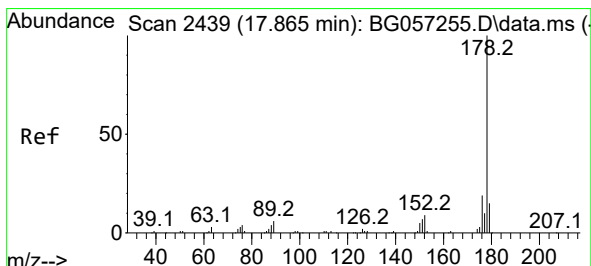
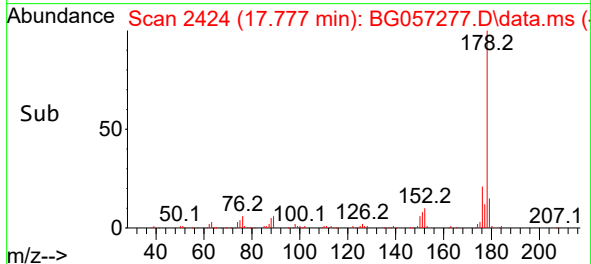
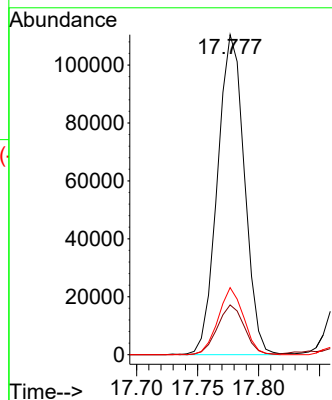
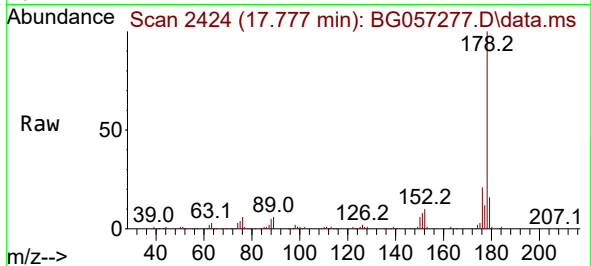




#72
Phenanthrene
Concen: 31.532 ng/ul
RT: 17.777 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

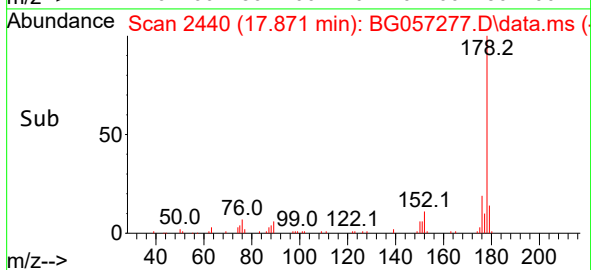
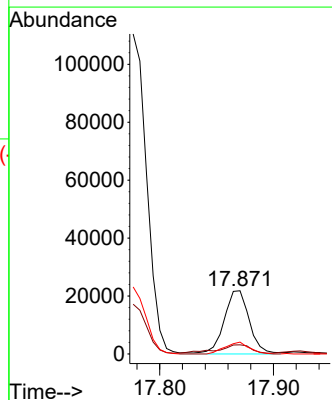
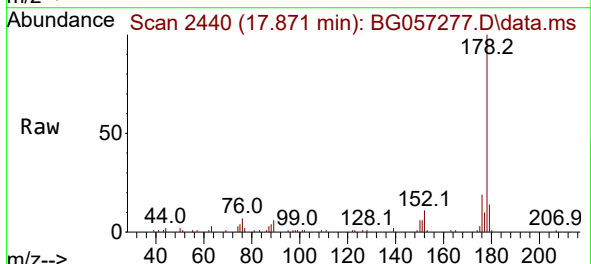
Instrument :
BNA_G
ClientSampleId :

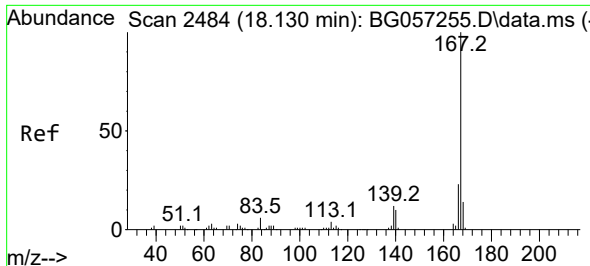
Tgt Ion:178 Resp: 170156
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 21.0 15.4 23.0



#74
Anthracene
Concen: 6.222 ng/ul
RT: 17.871 min Scan# 2440
Delta R.T. 0.002 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

Tgt Ion:178 Resp: 33729
Ion Ratio Lower Upper
178 100
179 14.4 12.5 18.7
176 18.9 14.7 22.1

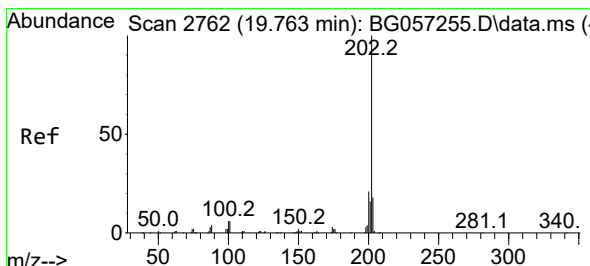
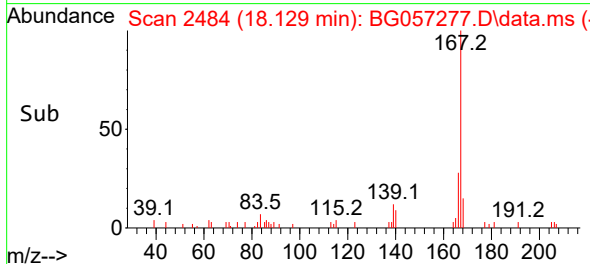
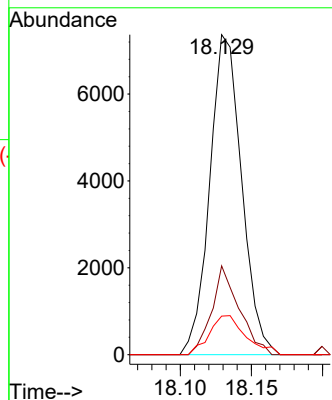
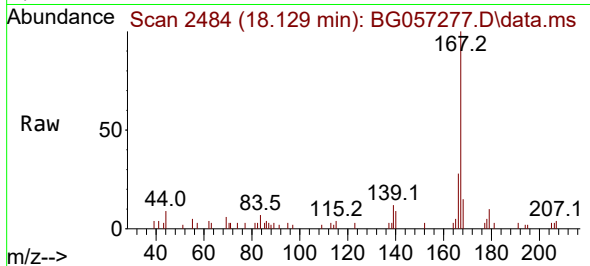




#77
 Carbazole
 Concen: 2.539 ng/ul
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.004 min
 Lab File: BG057277.D
 Acq: 2 May 2023 13:43

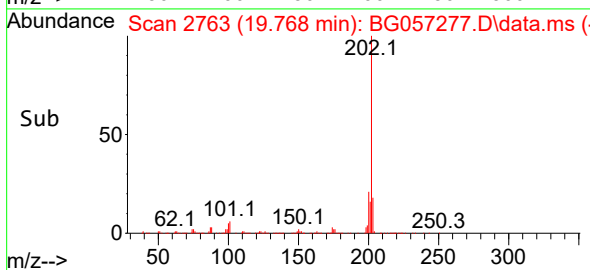
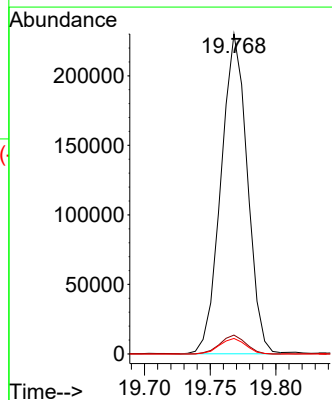
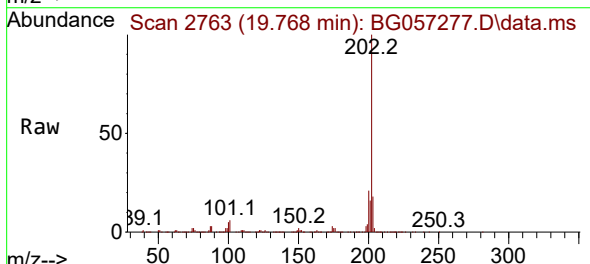
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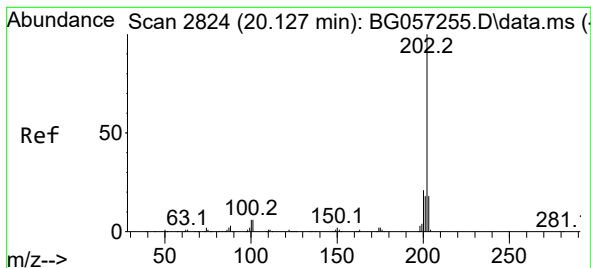
Tgt Ion:167 Resp: 11503
 Ion Ratio Lower Upper
 167 100
 166 27.7 18.0 27.0#
 139 12.1 10.3 15.5



#80
 Fluoranthene
 Concen: 52.728 ng/ul
 RT: 19.768 min Scan# 2763
 Delta R.T. 0.002 min
 Lab File: BG057277.D
 Acq: 2 May 2023 13:43

Tgt Ion:202 Resp: 320968
 Ion Ratio Lower Upper
 202 100
 101 5.9 5.8 8.6
 100 4.8 4.6 7.0





#82

Pyrene

Concen: 47.965 ng/ul

RT: 20.132 min Scan# 21

Delta R.T. 0.008 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

Instrument :

BNA_G

ClientSampleId :

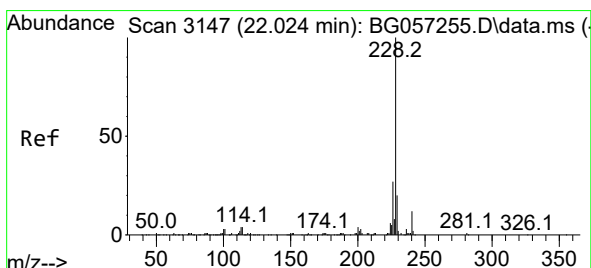
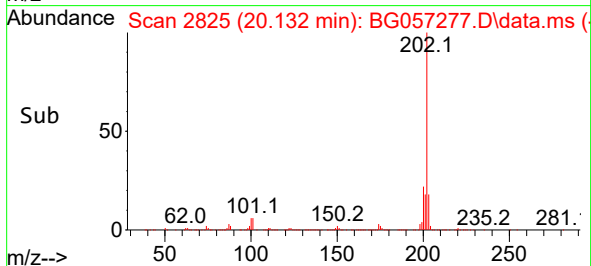
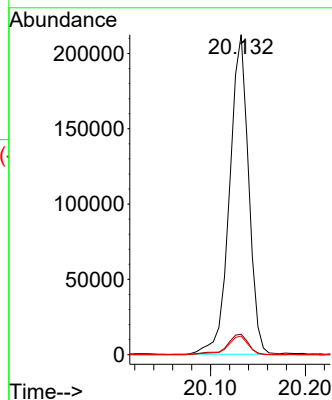
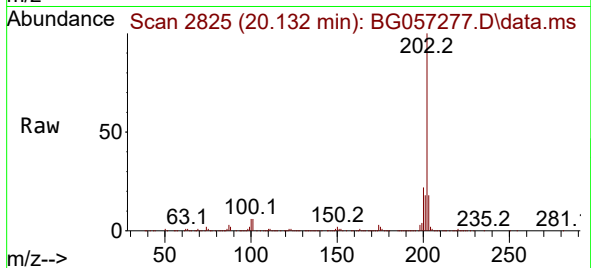
Tgt Ion:202 Resp: 295580

Ion Ratio Lower Upper

202 100

101 6.4 5.7 8.5

100 5.8 6.0 9.0#



#85

Benzo(a)anthracene

Concen: 26.515 ng/ul

RT: 22.030 min Scan# 3148

Delta R.T. 0.002 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

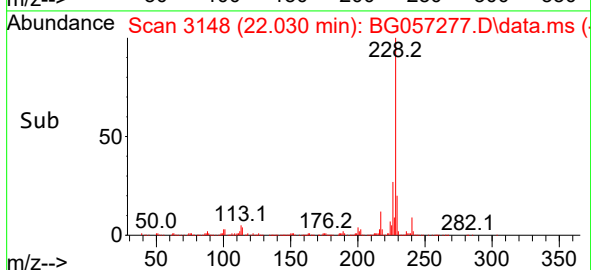
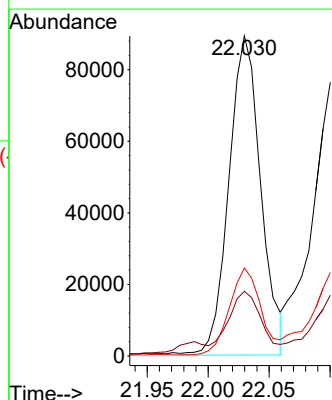
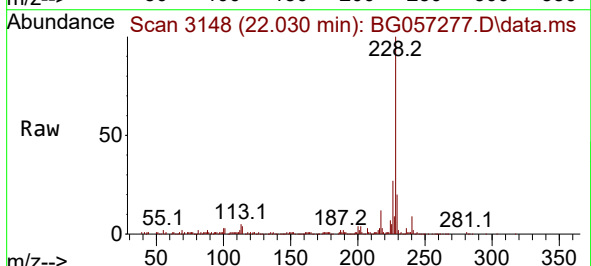
Tgt Ion:228 Resp: 161897

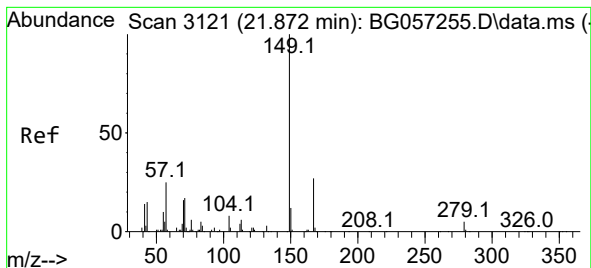
Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.6

226 27.5 21.7 32.5

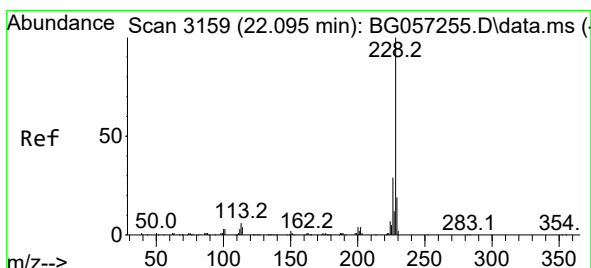
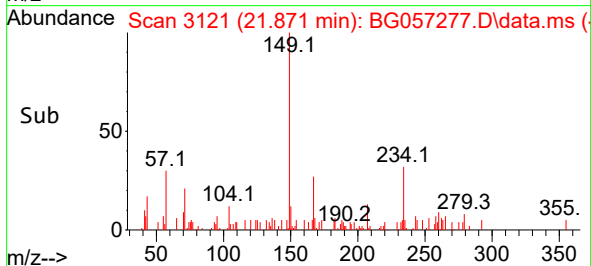
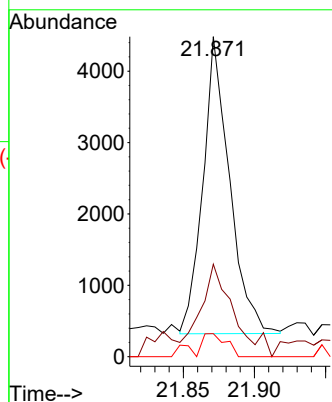
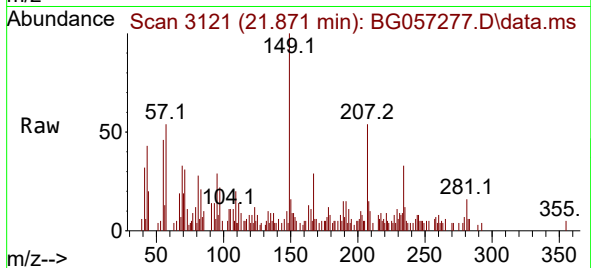




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.893 ng/ul
 RT: 21.871 min Scan# 3121
 Delta R.T. -0.004 min
 Lab File: BG057277.D
 Acq: 2 May 2023 13:43

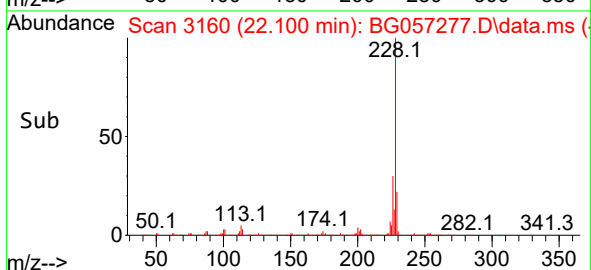
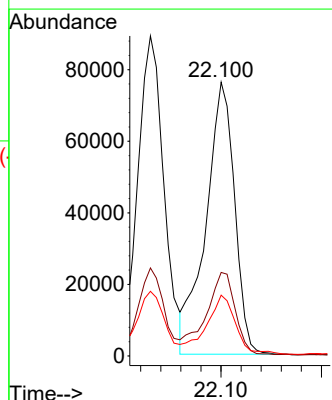
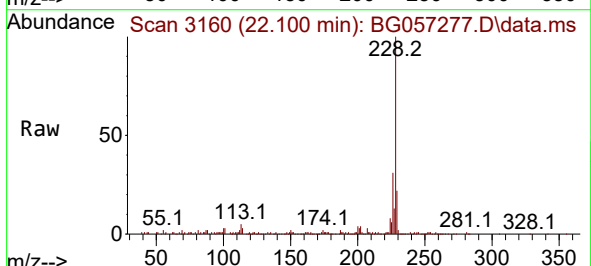
Instrument :
 BNA_G
 ClientSampleId :

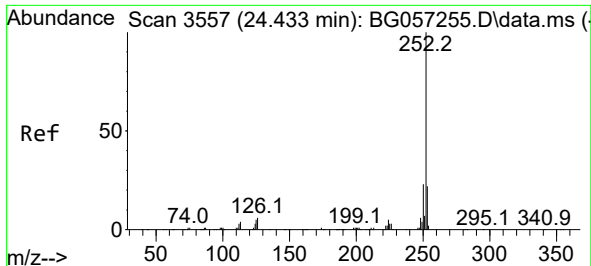
Tgt Ion:149 Resp: 5433
 Ion Ratio Lower Upper
 149 100
 167 28.9 23.0 34.6
 279 7.2 3.6 5.4#



#87
 Chrysene
 Concen: 26.258 ng/ul
 RT: 22.100 min Scan# 3160
 Delta R.T. 0.002 min
 Lab File: BG057277.D
 Acq: 2 May 2023 13:43

Tgt Ion:228 Resp: 151267
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.8 34.2
 229 22.2 15.5 23.3

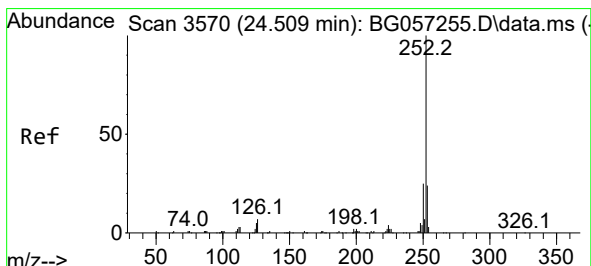
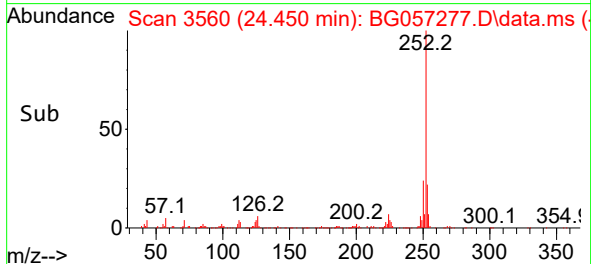
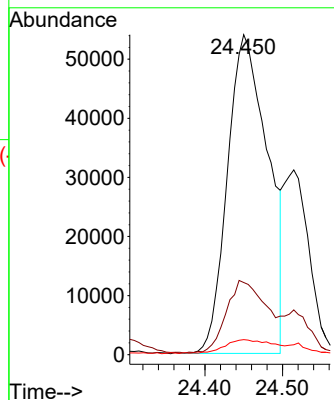
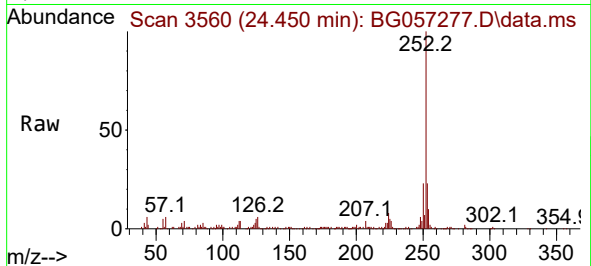




#90
Benzo(b)fluoranthene
Concen: 30.709 ng/ul
RT: 24.450 min Scan# 3560
Delta R.T. 0.014 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

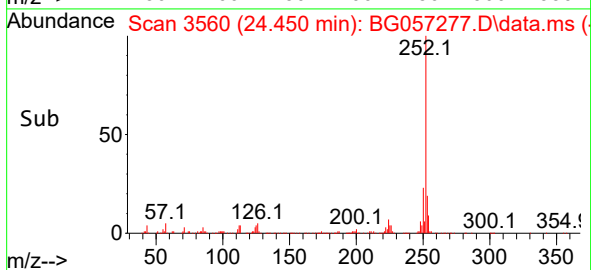
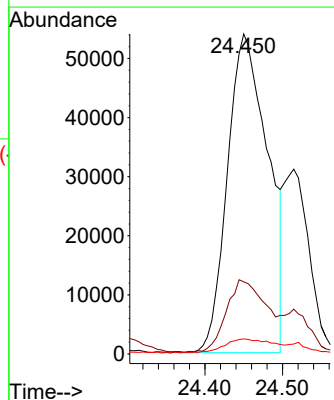
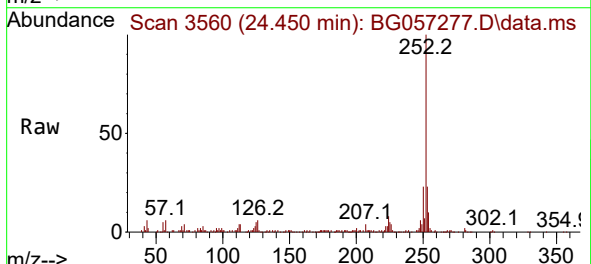
Instrument :
BNA_G
ClientSampleId :

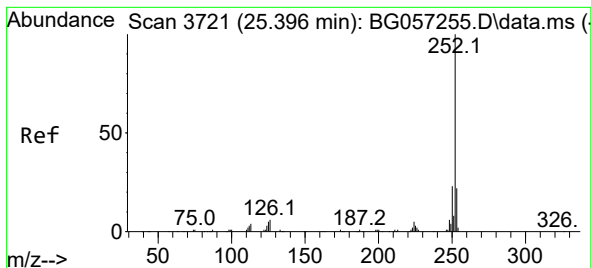
Tgt Ion:252 Resp: 195470
Ion Ratio Lower Upper
252 100
253 22.5 16.7 25.1
125 4.7 4.8 7.2#



#91
Benzo(k)fluoranthene
Concen: 31.565 ng/ul
RT: 24.450 min Scan# 3560
Delta R.T. -0.062 min
Lab File: BG057277.D
Acq: 2 May 2023 13:43

Tgt Ion:252 Resp: 195470
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 4.7 4.5 6.7





#93

Benzo(a)pyrene

Concen: 16.085 ng/ul

RT: 25.249 min Scan# 3

Delta R.T. -0.150 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

Instrument :

BNA_G

ClientSampleId :

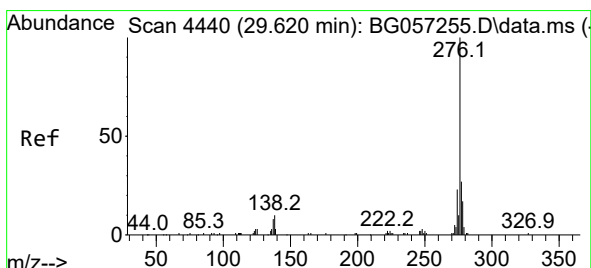
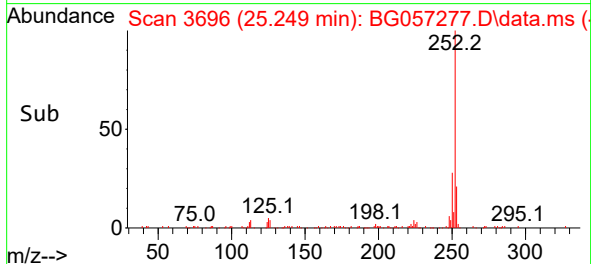
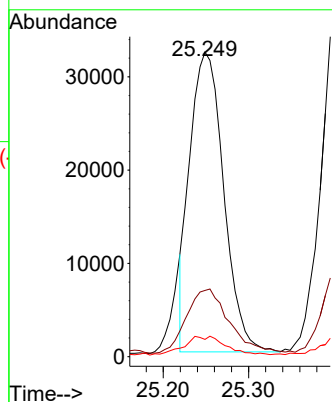
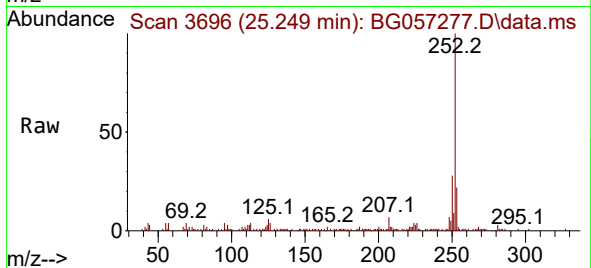
Tgt Ion:252 Resp: 88392

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 5.7 5.1 7.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.257 ng/ul

RT: 29.643 min Scan# 4444

Delta R.T. 0.020 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

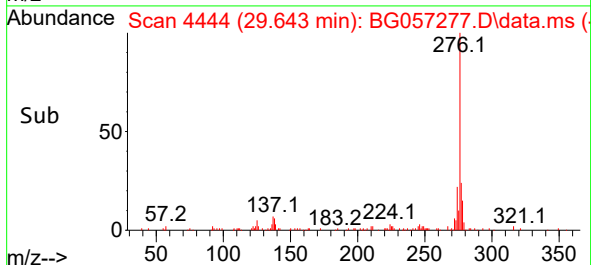
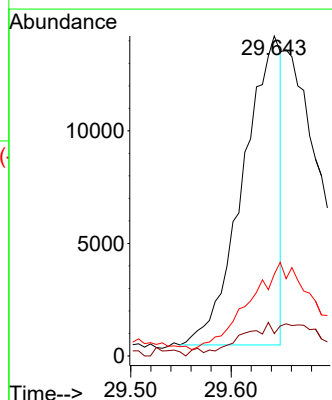
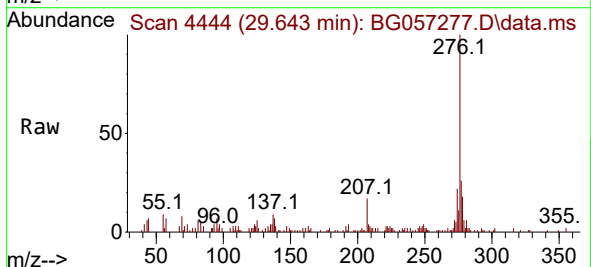
Tgt Ion:276 Resp: 36111

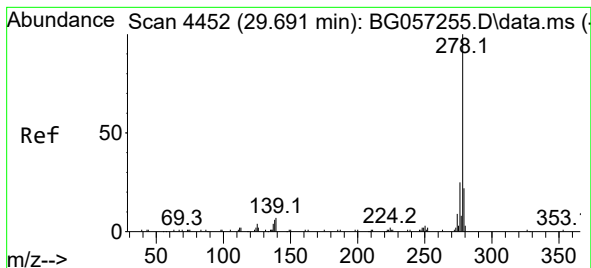
Ion Ratio Lower Upper

276 100

138 7.0 9.4 14.2#

277 25.5 18.6 28.0





#95

Dibenzo(a,h)anthracene

Concen: 1.832 ng/ul

RT: 29.690 min Scan# 4452

Delta R.T. -0.004 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

Instrument :

BNA_G

ClientSampleId :

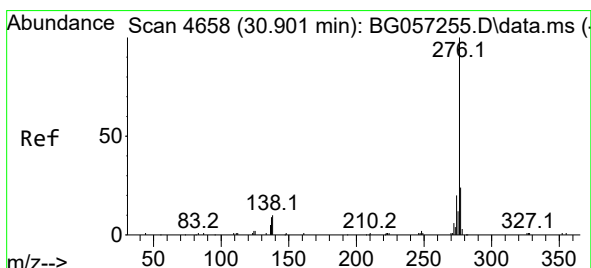
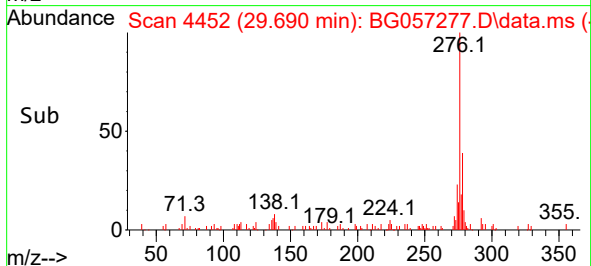
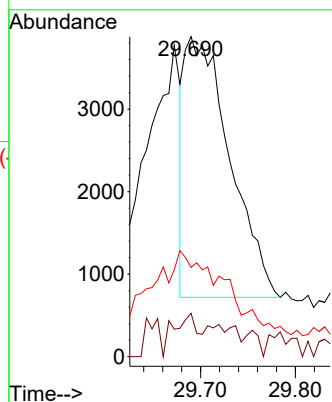
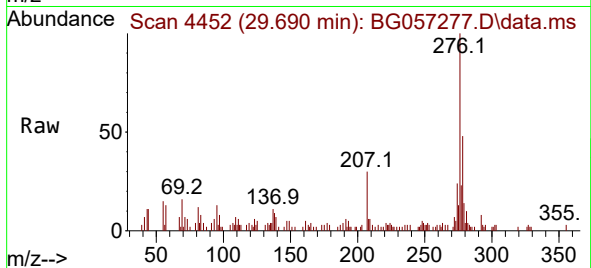
Tgt Ion:278 Resp: 10434

Ion Ratio Lower Upper

278 100

139 13.5 5.8 8.6#

279 27.9 18.3 27.5#



#96

Benzo(g,h,i)perylene

Concen: 5.403 ng/ul

RT: 30.929 min Scan# 4663

Delta R.T. 0.020 min

Lab File: BG057277.D

Acq: 2 May 2023 13:43

Tgt Ion:276 Resp: 30040

Ion Ratio Lower Upper

276 100

138 11.2 8.7 13.1

277 27.0 18.4 27.6

