

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057258.D
 Acq On : 1 May 2023 20:31
 Operator : CG/JU
 Sample : 02417-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y3

Quant Time: May 01 22:31:09 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)

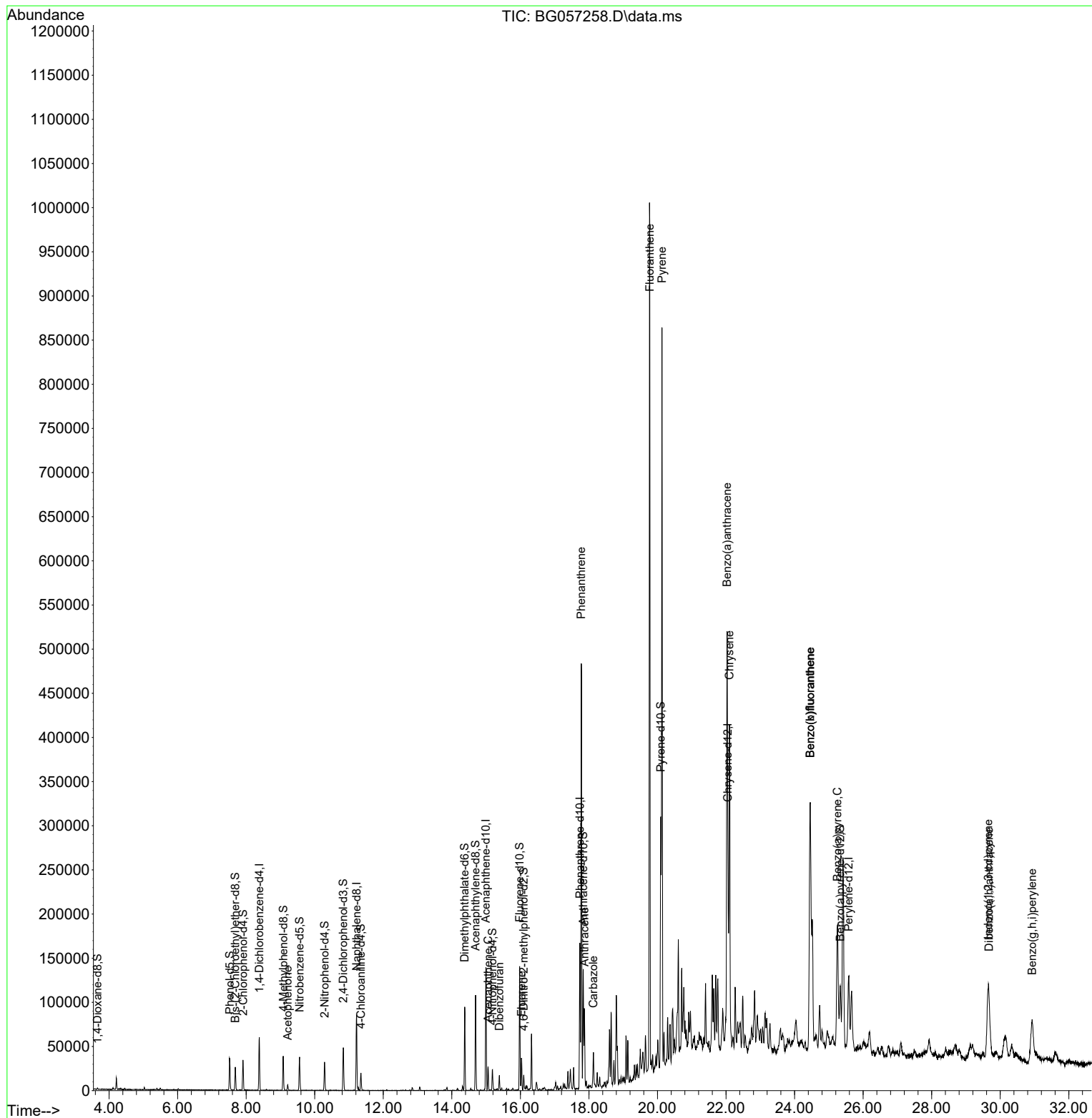
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.384	152	16185	20.000	ng/ul	0.00
20) Naphthalene-d8	11.221	136	70626	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.993	164	50807	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.736	188	109287	20.000	ng/ul	0.00
79) Chrysene-d12	22.054	240	92100	20.000	ng/ul	# 0.00
88) Perylene-d12	25.578	264	99242	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	624	1.697	ng/uL	0.00
4) Pyridine-d5	4.142	84	608	0.524	ng/ul	0.04
7) Phenol-d5	7.520	99	21802	14.244	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	12226	13.580	ng/ul	0.00
11) 2-Chlorophenol-d4	7.908	132	15653	15.518	ng/ul	0.00
15) 4-Methylphenol-d8	9.083	113	14358	12.342	ng/ul	0.00
21) Nitrobenzene-d5	9.559	128	8463	15.047	ng/ul	0.00
24) 2-Nitrophenol-d4	10.287	143	10425	15.882	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	19704	15.559	ng/ul	0.00
31) 4-Chloroaniline-d4	11.350	131	11204	6.675	ng/ul	0.00
46) Dimethylphthalate-d6	14.376	166	63324	15.730	ng/ul	0.00
49) Acenaphthylene-d8	14.693	160	73938	16.341	ng/ul	0.00
54) 4-Nitrophenol-d4	15.186	143	6380	10.887	ng/ul	0.00
60) Fluorene-d10	15.979	176	57469	15.324	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	4848	7.487	ng/ul	0.00
73) Anthracene-d10	17.836	188	80582	16.154	ng/ul	0.00
81) Pyrene-d10	20.097	212	94922	17.364	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.331	264	85825	16.974	ng/ul	0.00
Target Compounds						Qvalue
16) Acetophenone	9.212	105	3764	1.880	ng/ul#	86
52) Acenaphthene	15.057	153	11600	3.541	ng/ul	98
56) Dibenzofuran	15.386	168	9519	2.012	ng/ul	95
61) Fluorene	16.038	166	17614	4.403	ng/ul	92
72) Phenanthrene	17.777	178	319977	56.223	ng/ul	99
74) Anthracene	17.871	178	60011	10.497	ng/ul	98
77) Carbazole	18.129	167	24403	5.108	ng/ul	98
80) Fluoranthene	19.774	202	667247	102.750	ng/ul#	95
82) Pyrene	20.133	202	550500	83.739	ng/ul#	97
85) Benzo(a)anthracene	22.030	228	317287	48.710	ng/ul	99
87) Chrysene	22.101	228	293897	47.823	ng/ul	96
90) Benzo(b)fluoranthene	24.456	252	393342	57.235	ng/ul	96
91) Benzo(k)fluoranthene	24.456	252	393342	58.830	ng/ul	99
93) Benzo(a)pyrene	25.249	252	168642	28.424	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.655	276	166481	22.447	ng/ul	97
95) Dibenzo(a,h)anthracene	29.673	278	21122	3.435	ng/ul#	92
96) Benzo(g,h,i)perylene	30.930	276	120025	19.996	ng/ul	95

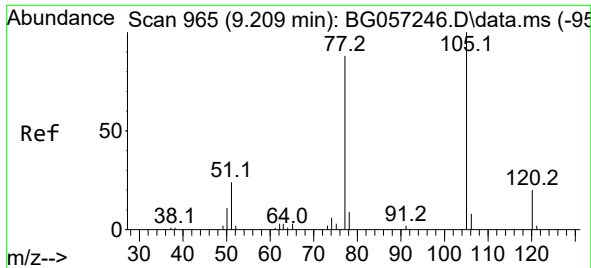
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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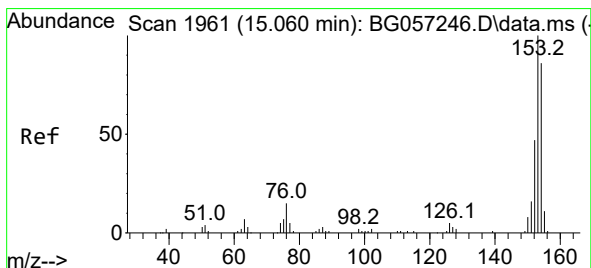
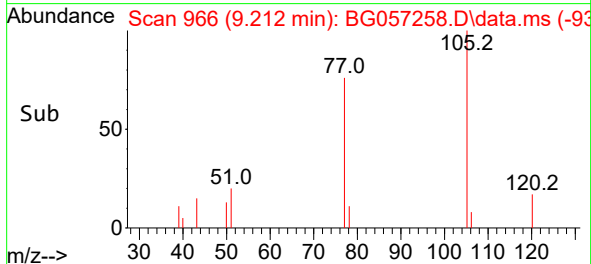
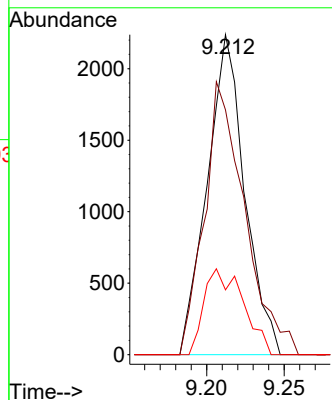
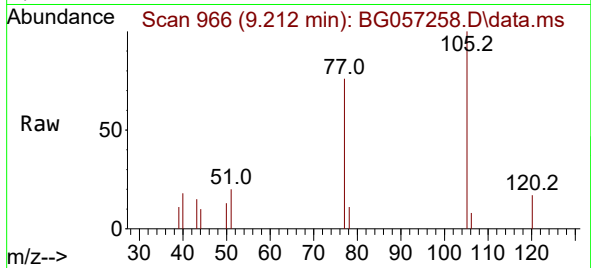




#16
Acetophenone
Concen: 1.880 ng/ul
RT: 9.212 min Scan# 90
Delta R.T. 0.003 min
Lab File: BG057258.D
Acq: 1 May 2023 20:31

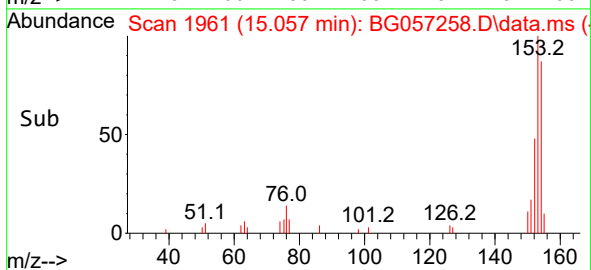
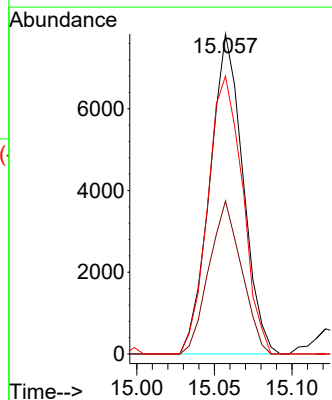
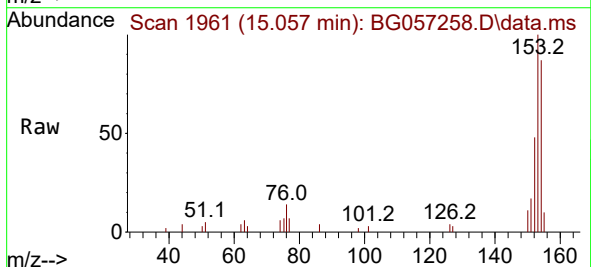
Instrument :
BNA_G
ClientSampleId :
EW8Y3

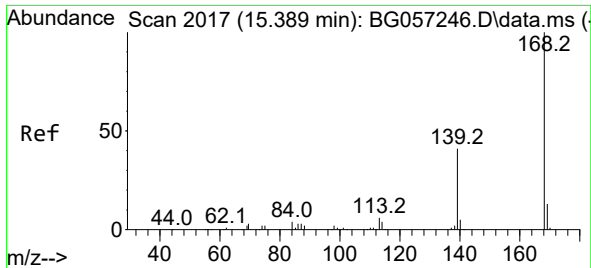
Tgt Ion:105 Resp: 3764
Ion Ratio Lower Upper
105 100
77 76.5 70.6 105.8
51 20.2 24.5 36.7#



#52
Acenaphthene
Concen: 3.541 ng/ul
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057258.D
Acq: 1 May 2023 20:31

Tgt Ion:153 Resp: 11600
Ion Ratio Lower Upper
153 100
152 47.8 36.5 54.7
154 86.9 70.6 106.0

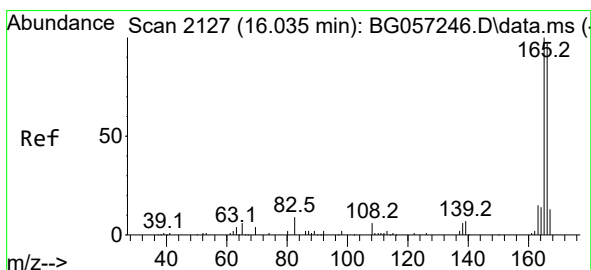
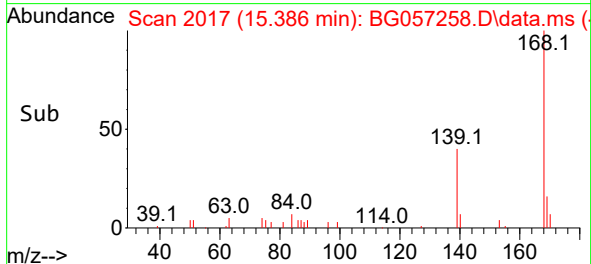
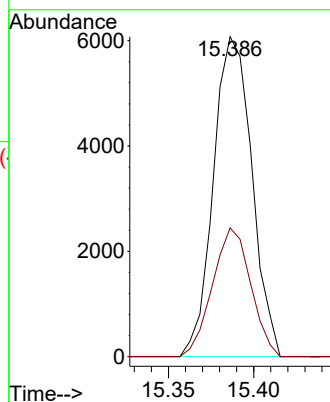
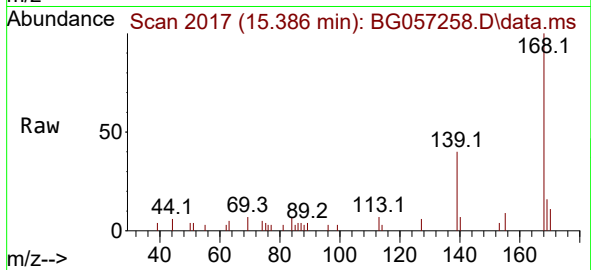




#56
Dibenzenofuran
Concen: 2.012 ng/ul
RT: 15.386 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG057258.D
Acq: 1 May 2023 20:31

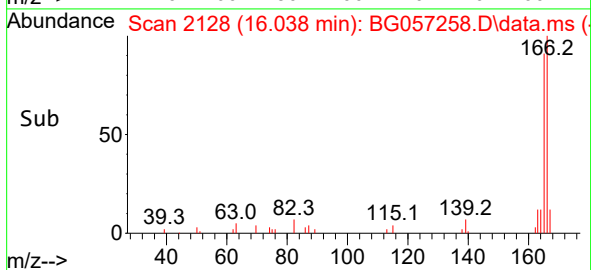
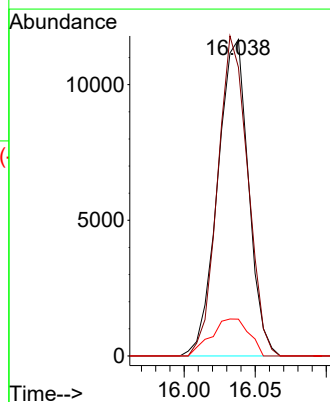
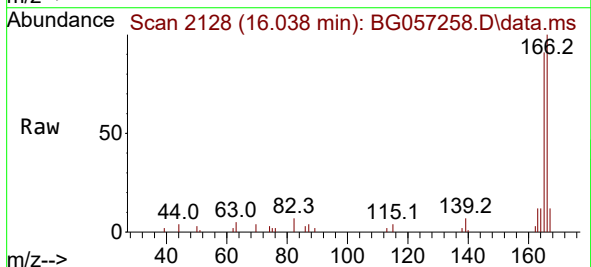
Instrument :
BNA_G
ClientSampleId :
EW8Y3

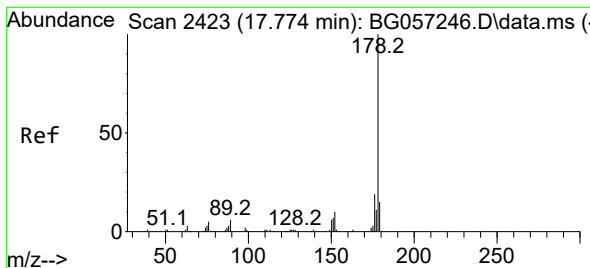
Tgt Ion:168 Resp: 9519
Ion Ratio Lower Upper
168 100
139 40.3 29.6 44.4



#61
Fluorene
Concen: 4.403 ng/ul
RT: 16.038 min Scan# 2128
Delta R.T. 0.003 min
Lab File: BG057258.D
Acq: 1 May 2023 20:31

Tgt Ion:166 Resp: 17614
Ion Ratio Lower Upper
166 100
165 91.2 80.1 120.1
167 11.6 10.2 15.4





#72

Phenanthrene

Concen: 56.223 ng/ul

RT: 17.777 min Scan# 2423

Delta R.T. 0.003 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

Instrument :

BNA_G

ClientSampleId :

EW8Y3

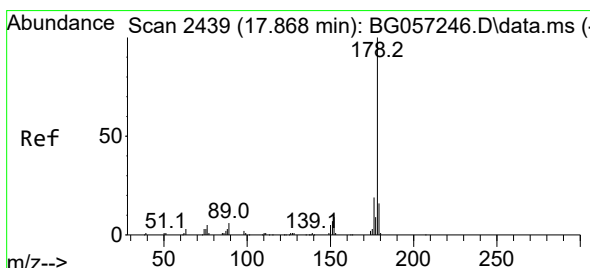
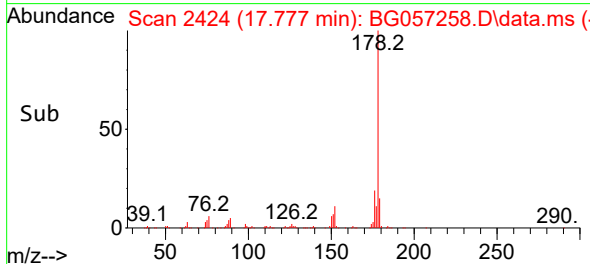
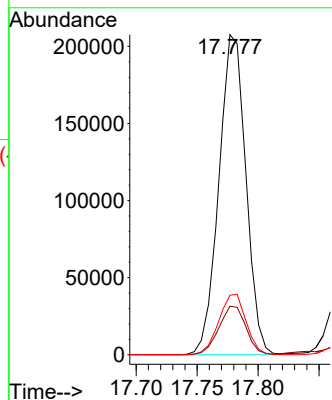
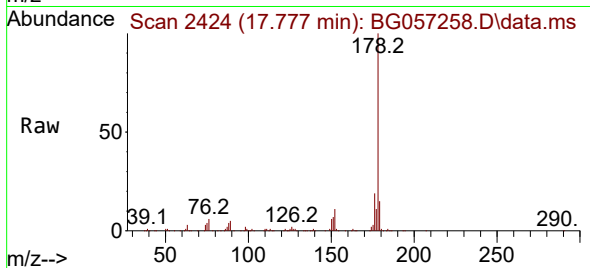
Tgt Ion:178 Resp: 319977

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.8

176 18.6 15.4 23.0



#74

Anthracene

Concen: 10.497 ng/ul

RT: 17.871 min Scan# 2440

Delta R.T. 0.003 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

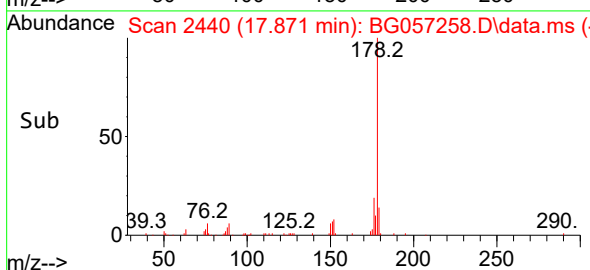
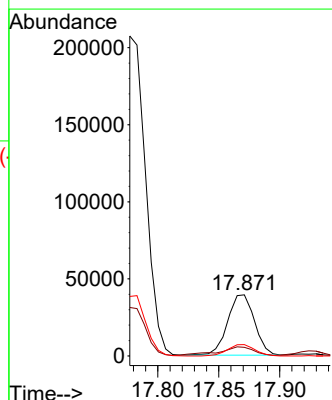
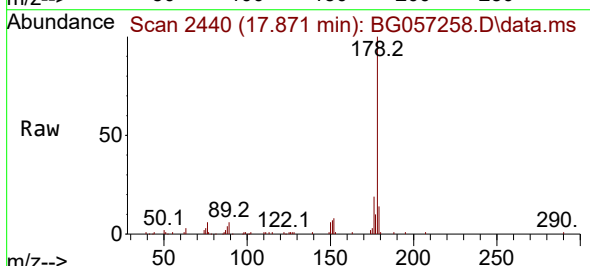
Tgt Ion:178 Resp: 60011

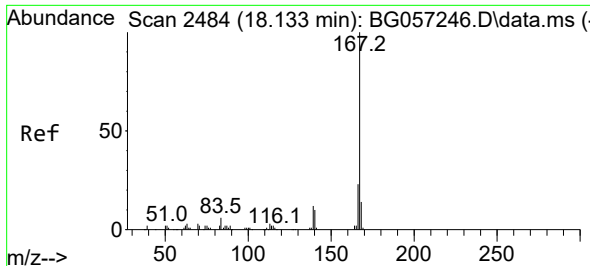
Ion Ratio Lower Upper

178 100

179 14.2 12.5 18.7

176 18.6 14.7 22.1

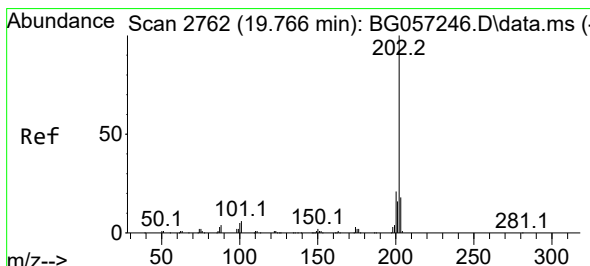
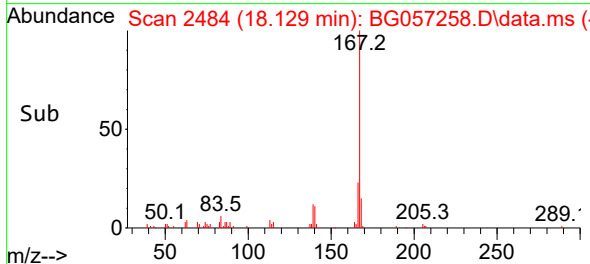
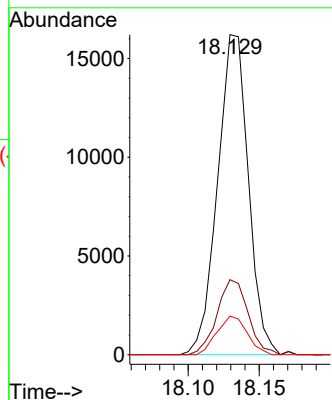
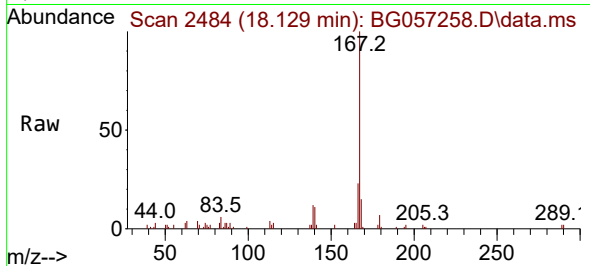




#77
 Carbazole
 Concen: 5.108 ng/ul
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057258.D
 Acq: 1 May 2023 20:31

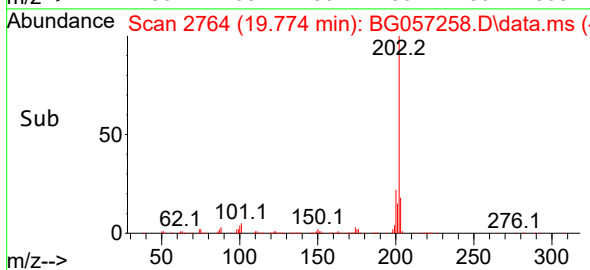
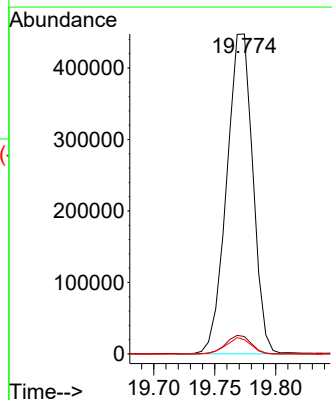
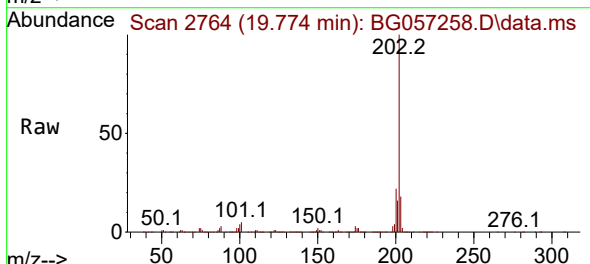
Instrument :
 BNA_G
 ClientSampleId :
 EW8Y3

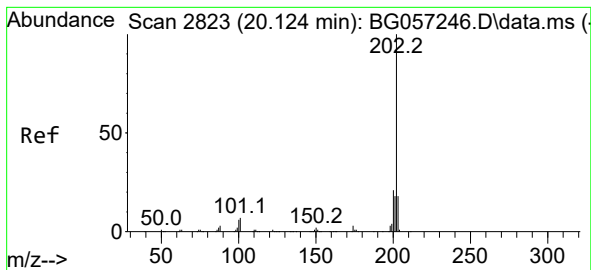
Tgt Ion:167 Resp: 24403
 Ion Ratio Lower Upper
 167 100
 166 23.5 18.0 27.0
 139 12.1 10.3 15.5



#80
 Fluoranthene
 Concen: 102.750 ng/ul
 RT: 19.774 min Scan# 2764
 Delta R.T. 0.009 min
 Lab File: BG057258.D
 Acq: 1 May 2023 20:31

Tgt Ion:202 Resp: 667247
 Ion Ratio Lower Upper
 202 100
 101 5.4 5.8 8.6#
 100 4.5 4.6 7.0#





#82

Pyrene

Concen: 83.739 ng/ul

RT: 20.133 min Scan# 2

Delta R.T. 0.009 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

Instrument :

BNA_G

ClientSampleId :

EW8Y3

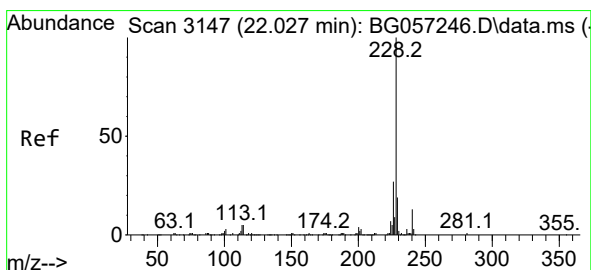
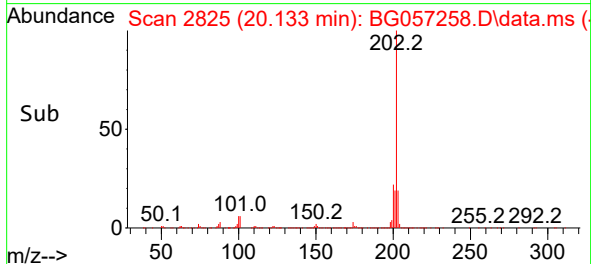
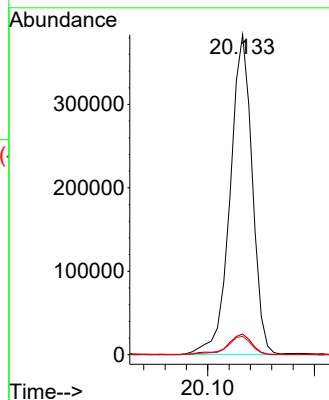
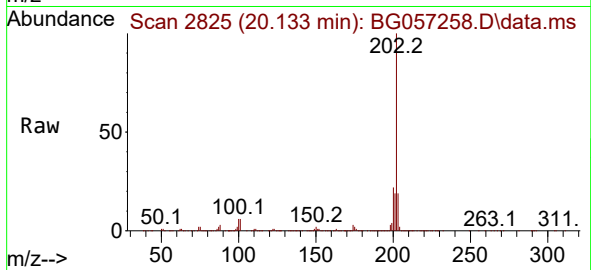
Tgt Ion:202 Resp: 550500

Ion Ratio Lower Upper

202 100

101 6.5 5.7 8.5

100 5.8 6.0 9.0#



#85

Benzo(a)anthracene

Concen: 48.710 ng/ul

RT: 22.030 min Scan# 3148

Delta R.T. 0.003 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

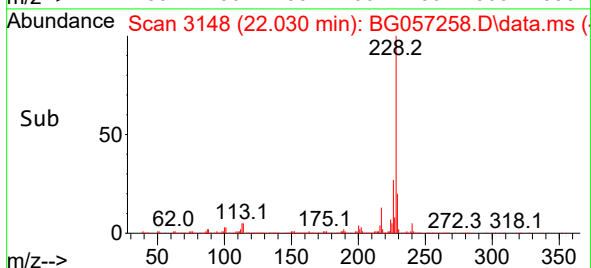
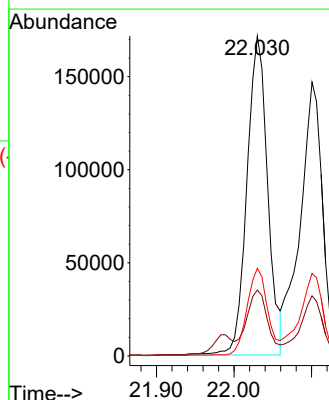
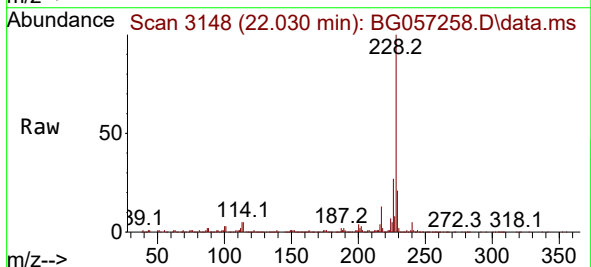
Tgt Ion:228 Resp: 317287

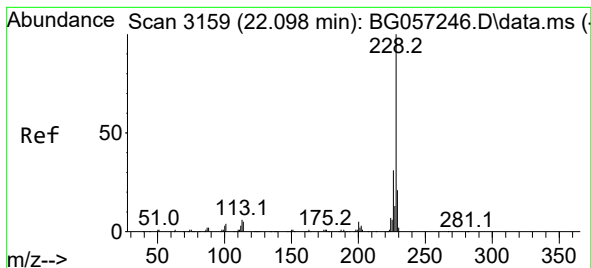
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

226 27.4 21.7 32.5





#87

Chrysene

Concen: 47.823 ng/ul

RT: 22.101 min Scan# 3159

Delta R.T. 0.003 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

Instrument :

BNA_G

ClientSampleId :

EW8Y3

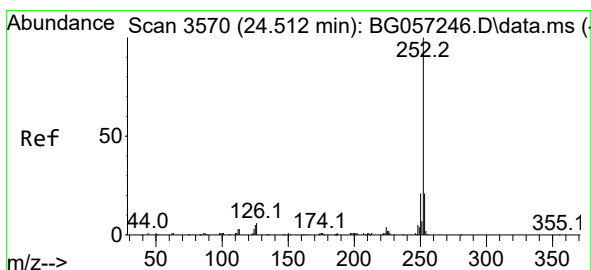
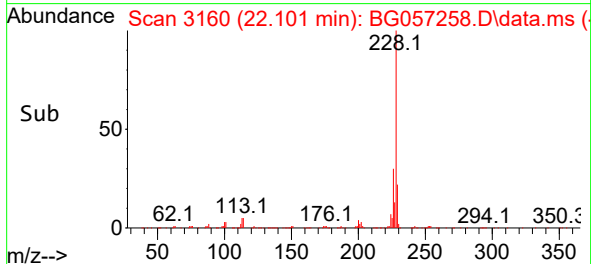
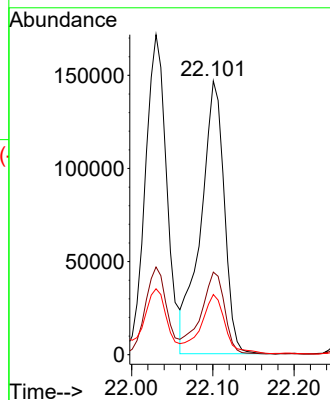
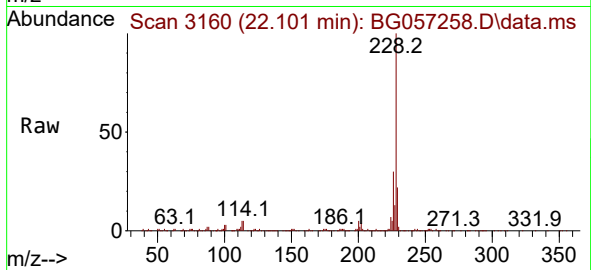
Tgt Ion:228 Resp: 293897

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

229 22.0 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 57.235 ng/ul

RT: 24.456 min Scan# 3561

Delta R.T. 0.020 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

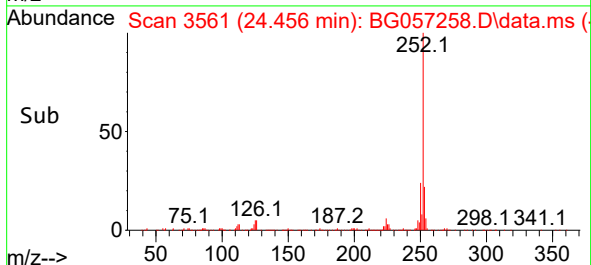
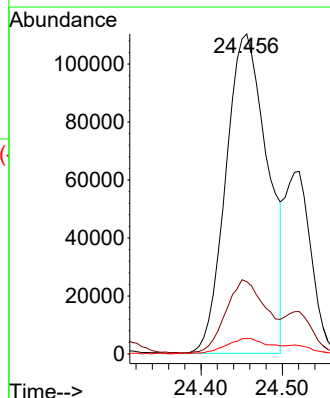
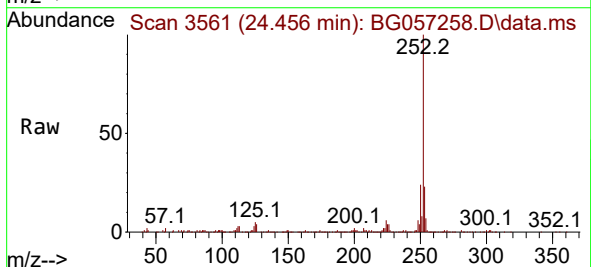
Tgt Ion:252 Resp: 393342

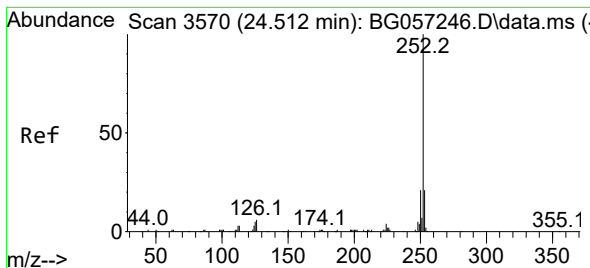
Ion Ratio Lower Upper

252 100

253 22.6 16.7 25.1

125 4.8 4.8 7.2





#91

Benzo(k)fluoranthene

Concen: 58.830 ng/ul

RT: 24.456 min Scan# 3

Delta R.T. -0.056 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

Instrument :

BNA_G

ClientSampleId :

EW8Y3

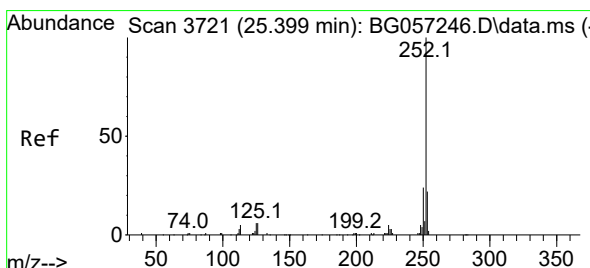
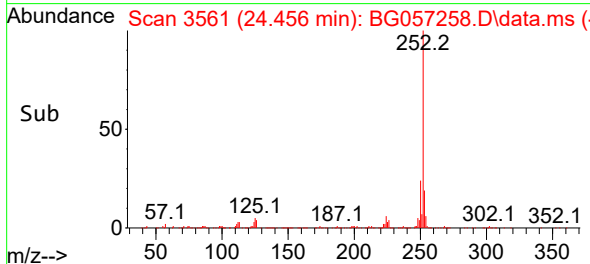
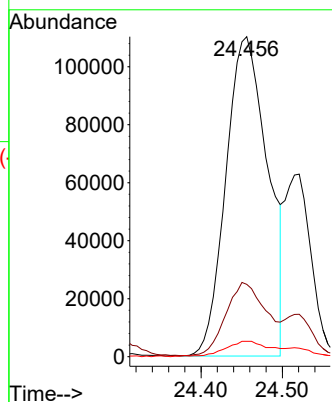
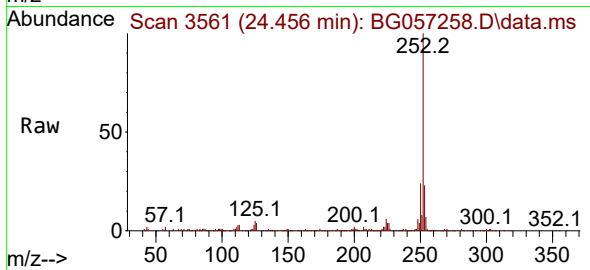
Tgt Ion:252 Resp: 393342

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 4.8 4.5 6.7



#93

Benzo(a)pyrene

Concen: 28.424 ng/ul

RT: 25.249 min Scan# 3696

Delta R.T. -0.150 min

Lab File: BG057258.D

Acq: 1 May 2023 20:31

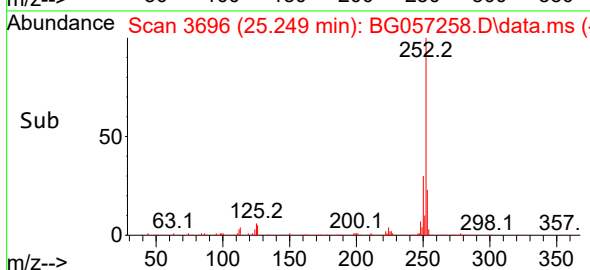
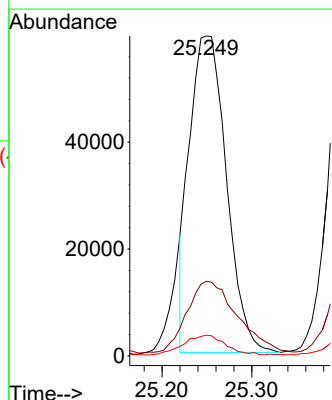
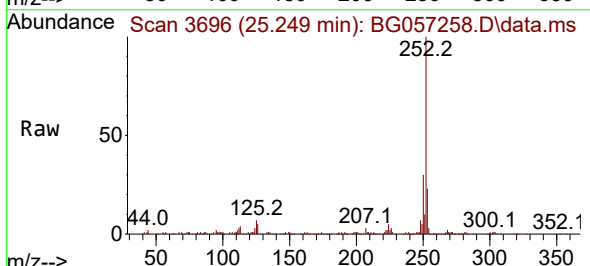
Tgt Ion:252 Resp: 168642

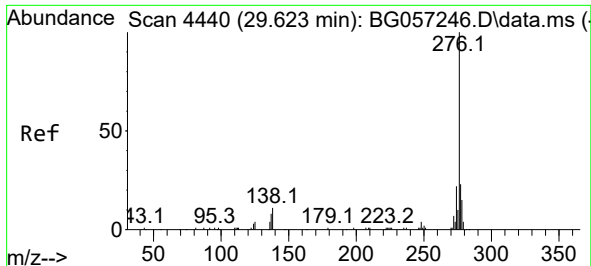
Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 6.5 5.1 7.7

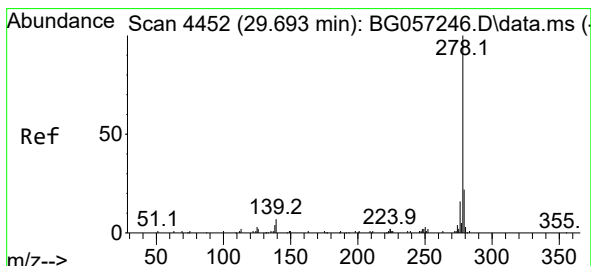
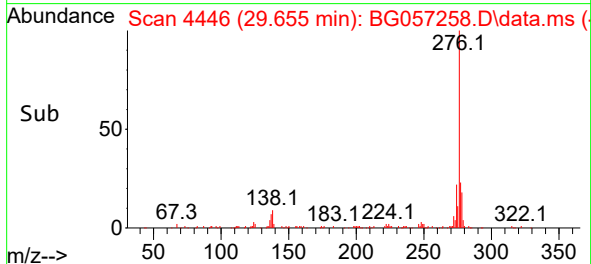
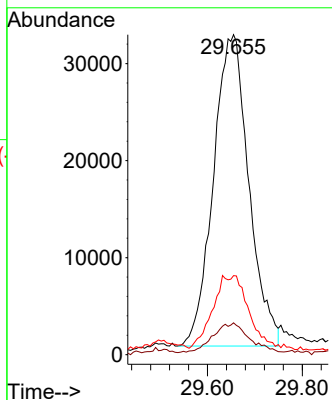
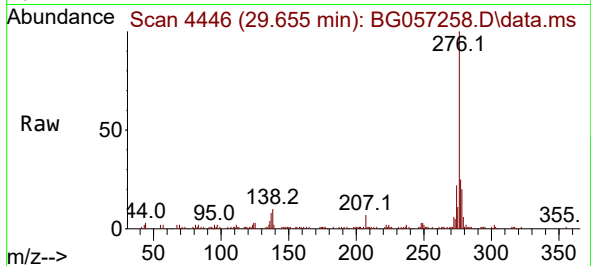




#94
 Indeno(1,2,3-cd)pyrene
 Concen: 22.447 ng/ul
 RT: 29.655 min Scan# 4446
 Delta R.T. 0.032 min
 Lab File: BG057258.D
 Acq: 1 May 2023 20:31

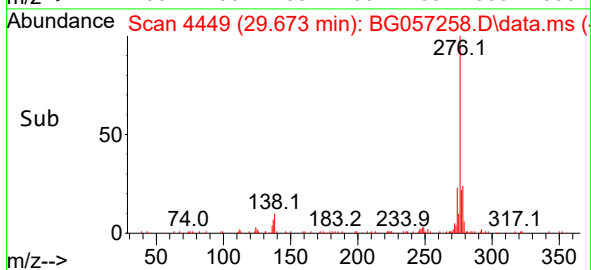
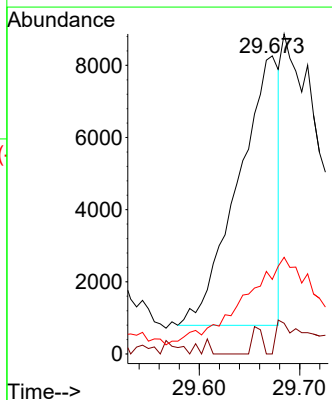
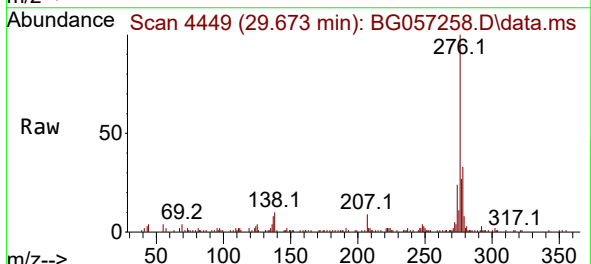
Instrument :
 BNA_G
 ClientSampleId :
 EW8Y3

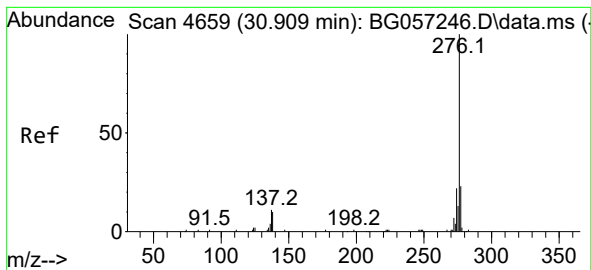
Tgt Ion:276 Resp: 166481
 Ion Ratio Lower Upper
 276 100
 138 10.0 9.4 14.2
 277 24.7 18.6 28.0



#95
 Dibenzo(a,h)anthracene
 Concen: 3.435 ng/ul
 RT: 29.673 min Scan# 4449
 Delta R.T. -0.021 min
 Lab File: BG057258.D
 Acq: 1 May 2023 20:31

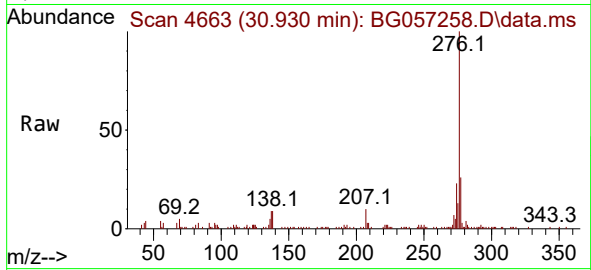
Tgt Ion:278 Resp: 21122
 Ion Ratio Lower Upper
 278 100
 139 0.0 5.8 8.6#
 279 25.0 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 19.996 ng/ul
 RT: 30.930 min Scan# 4
 Delta R.T. 0.020 min
 Lab File: BG057258.D
 Acq: 1 May 2023 20:31

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y3



Tgt Ion:276 Resp: 120025
 Ion Ratio Lower Upper
 276 100
 138 9.3 8.7 13.1
 277 25.9 18.4 27.6

