

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058167.D
 Acq On : 11 Jul 2023 20:28
 Operator : CG/JU
 Sample : 03385-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 11 22:58:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

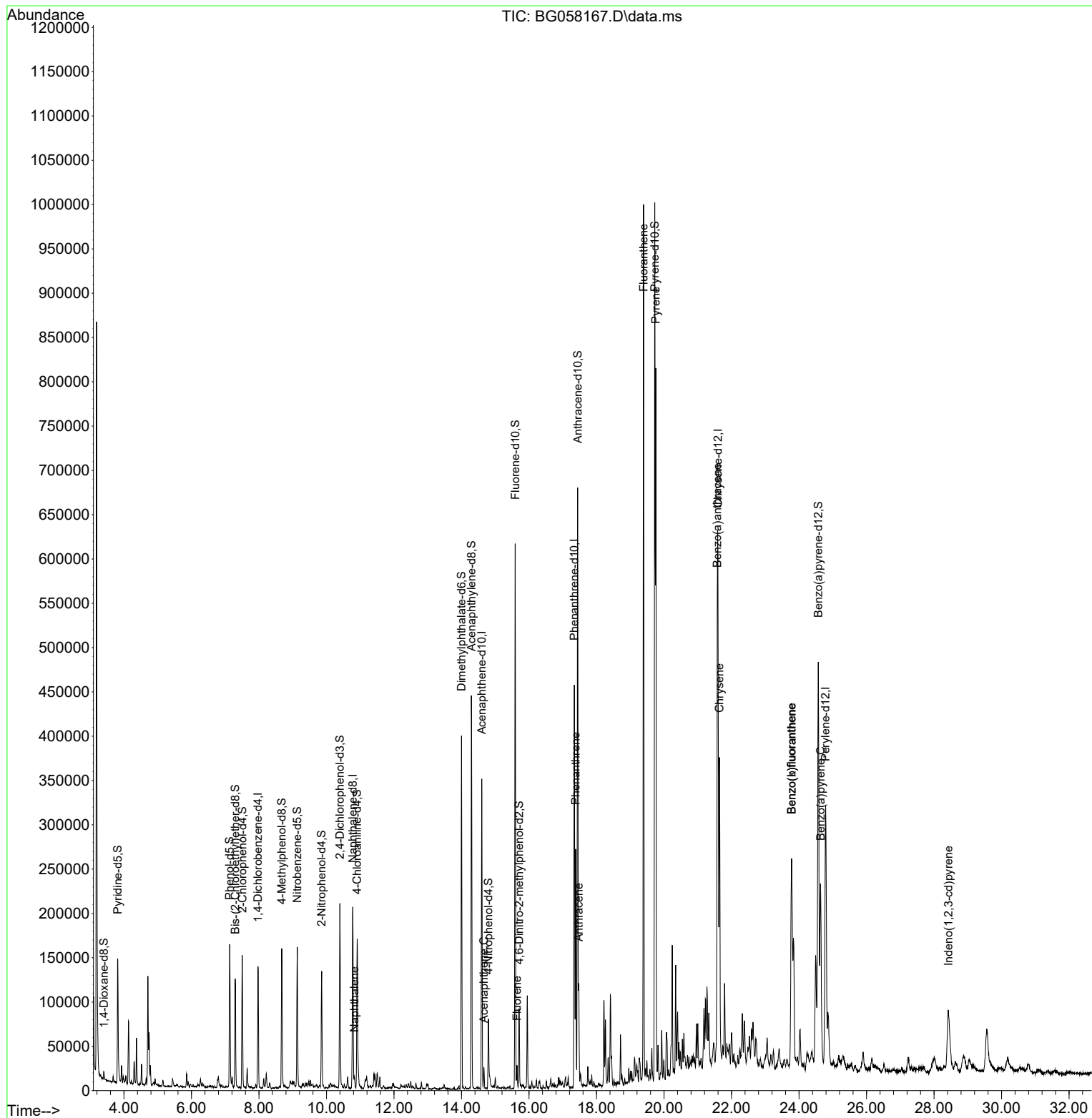
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	39224	20.000	ng/ul	0.00
20) Naphthalene-d8	10.778	136	175517	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.597	164	125101	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.341	188	297284	20.000	ng/ul	0.00
79) Chrysene-d12	21.595	240	257473	20.000	ng/ul	0.00
88) Perylene-d12	24.785	264	313093	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.404	96	4579	4.088	ng/uL	0.00
4) Pyridine-d5	3.810	84	81017	23.824	ng/ul	0.00
7) Phenol-d5	7.129	99	103131	25.746	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.294	67	59125	24.493	ng/ul	0.00
11) 2-Chlorophenol-d4	7.506	132	70690	25.587	ng/ul	0.00
15) 4-Methylphenol-d8	8.675	113	64670	21.396	ng/ul	0.00
21) Nitrobenzene-d5	9.133	128	38850	27.158	ng/ul	0.00
24) 2-Nitrophenol-d4	9.856	143	44617	29.676	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.396	165	80950	28.067	ng/ul	0.00
31) 4-Chloroaniline-d4	10.907	131	96865	22.151	ng/ul	0.00
46) Dimethylphthalate-d6	13.998	166	281815	28.551	ng/ul	0.00
49) Acenaphthylene-d8	14.292	160	310884	28.863	ng/ul	0.00
54) 4-Nitrophenol-d4	14.797	143	24984	14.326	ng/ul	0.00
60) Fluorene-d10	15.590	176	253014	30.183	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.708	200	21715	13.452	ng/ul	0.00
73) Anthracene-d10	17.441	188	404794	29.344	ng/ul	0.00
81) Pyrene-d10	19.726	212	478311	29.497	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.568	264	494565	31.005	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.825	128	11930	1.209	ng/ul	98
52) Acenaphthene	14.662	153	10354	1.297	ng/ul	95
61) Fluorene	15.643	166	11500	1.235	ng/ul	99
72) Phenanthrene	17.382	178	164583	10.884	ng/ul	98
74) Anthracene	17.476	178	73286	4.789	ng/ul	98
80) Fluoranthene	19.392	202	624473	33.234	ng/ul	99
82) Pyrene	19.756	202	511525	27.045	ng/ul	98
85) Benzo(a)anthracene	21.577	228	290186	15.697	ng/ul	98
87) Chrysene	21.642	228	251820	14.531	ng/ul	98
90) Benzo(b)fluoranthene	23.781	252	298582	15.402	ng/ul	100
91) Benzo(k)fluoranthene	23.781	252	298582	15.714	ng/ul	99
93) Benzo(a)pyrene	24.638	252	216374	12.610	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.428	276	130696	5.736	ng/ul	95

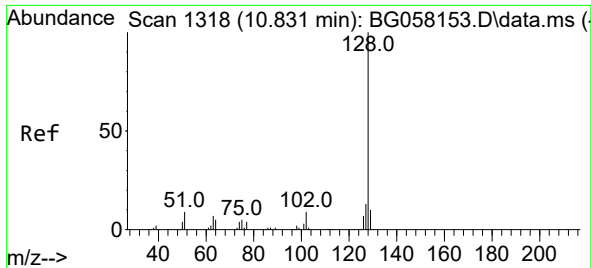
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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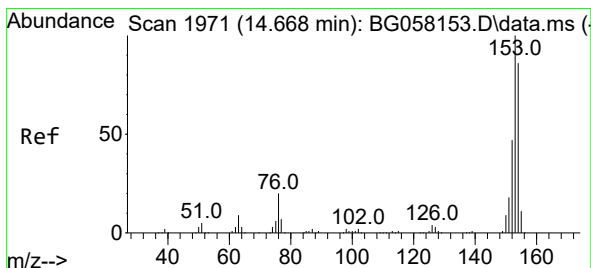
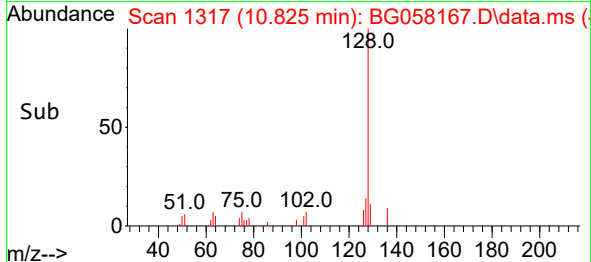
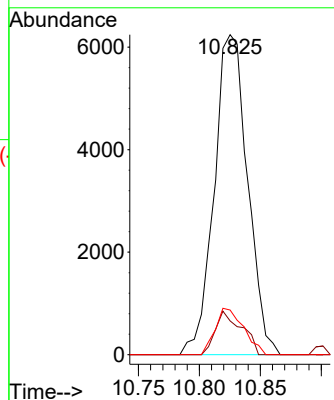
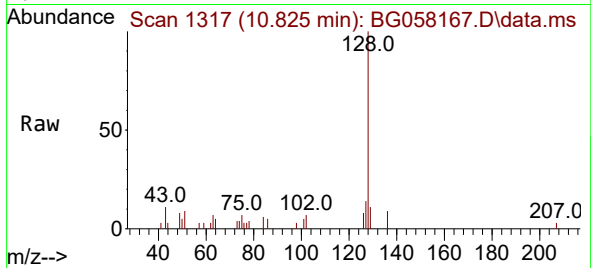




#30
Naphthalene
Concen: 1.209 ng/ul
RT: 10.825 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG058167.D
Acq: 11 Jul 2023 20:28

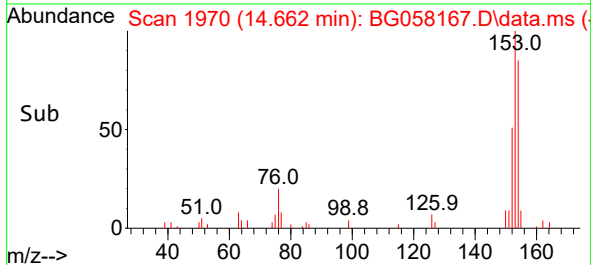
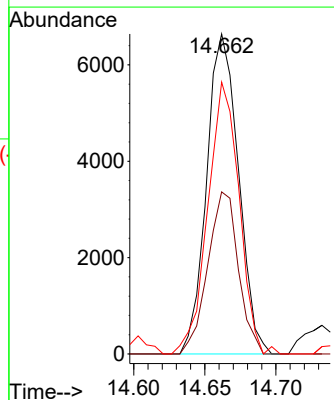
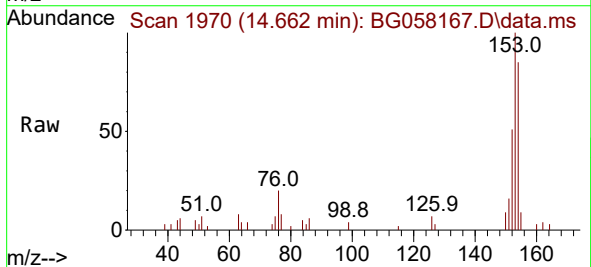
Instrument :
BNA_G
ClientSampleId :

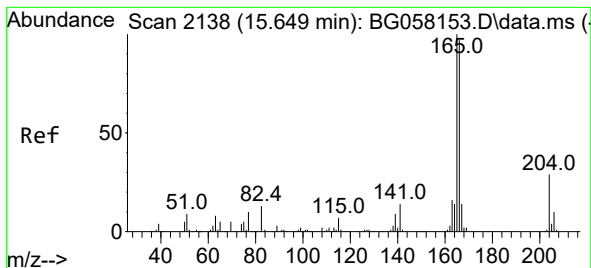
Tgt Ion:128 Resp: 11930
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 14.0 10.2 15.2



#52
Acenaphthene
Concen: 1.297 ng/ul
RT: 14.662 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BG058167.D
Acq: 11 Jul 2023 20:28

Tgt Ion:153 Resp: 10354
Ion Ratio Lower Upper
153 100
152 50.7 36.5 54.7
154 85.0 70.5 105.7





#61

Fluorene

Concen: 1.235 ng/ul

RT: 15.643 min Scan# 2138

Delta R.T. -0.006 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA_G

ClientSampleId :

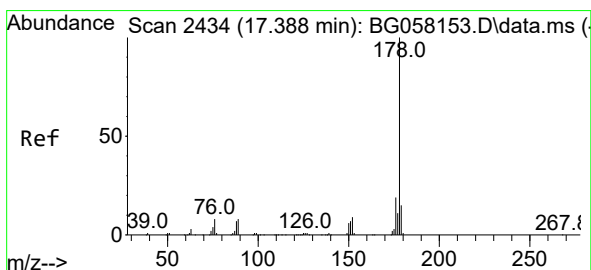
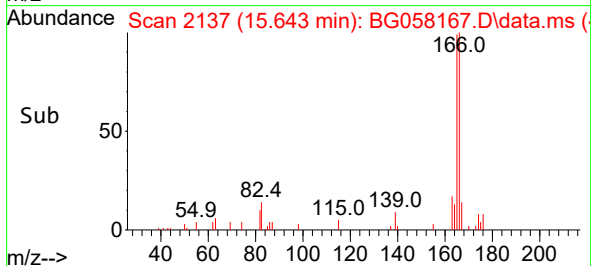
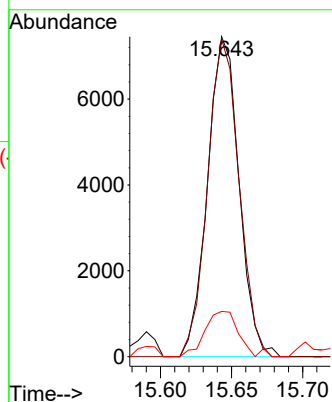
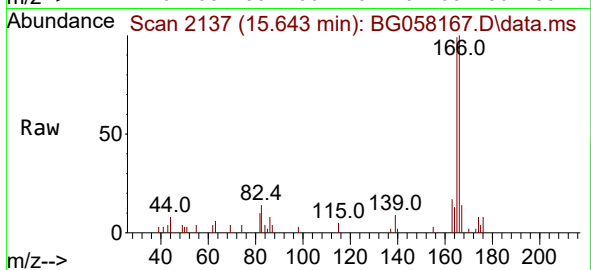
Tgt Ion:166 Resp: 11500

Ion Ratio Lower Upper

166 100

165 99.3 79.1 118.7

167 14.2 10.7 16.1



#72

Phenanthrene

Concen: 10.884 ng/ul

RT: 17.382 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

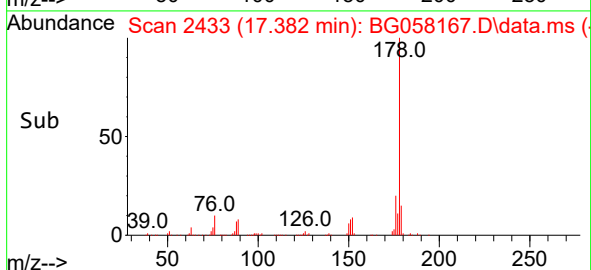
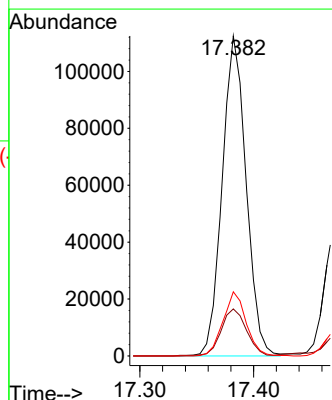
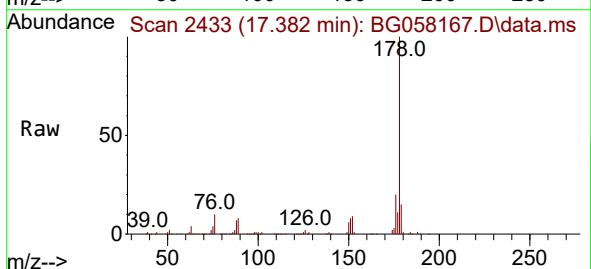
Tgt Ion:178 Resp: 164583

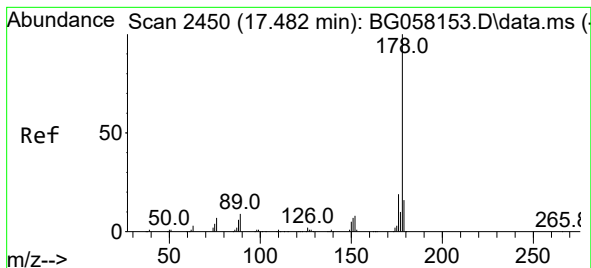
Ion Ratio Lower Upper

178 100

179 14.7 12.8 19.2

176 20.0 15.7 23.5





#74

Anthracene

Concen: 4.789 ng/ul

RT: 17.476 min Scan# 24

Delta R.T. -0.000 min

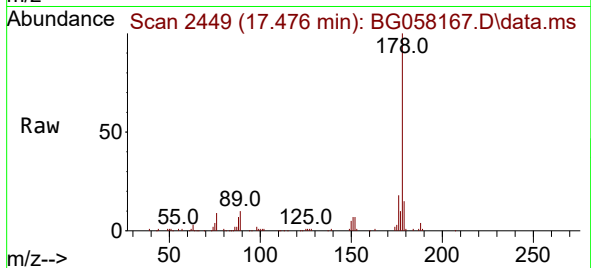
Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA_G

ClientSampleId :



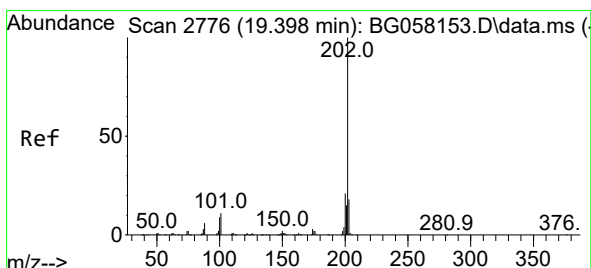
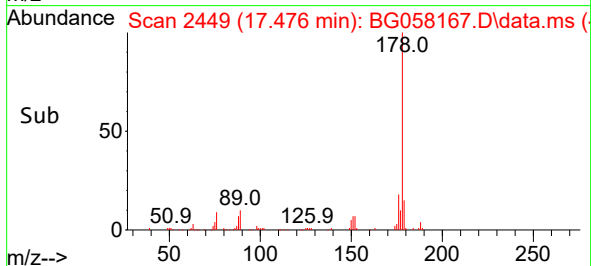
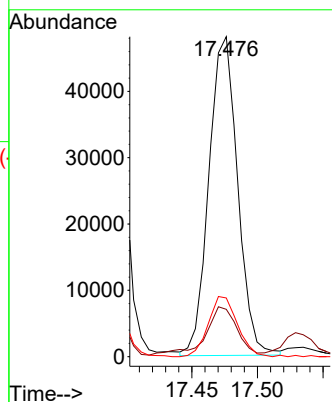
Tgt Ion:178 Resp: 73286

Ion Ratio Lower Upper

178 100

179 14.8 12.6 18.8

176 18.3 15.4 23.2



#80

Fluoranthene

Concen: 33.234 ng/ul

RT: 19.392 min Scan# 2775

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

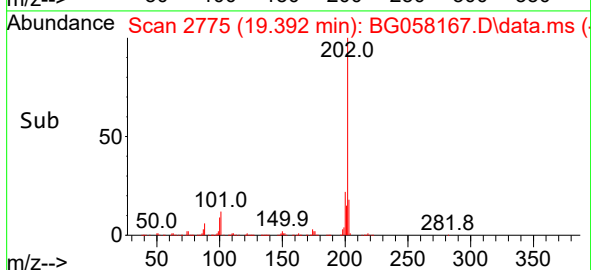
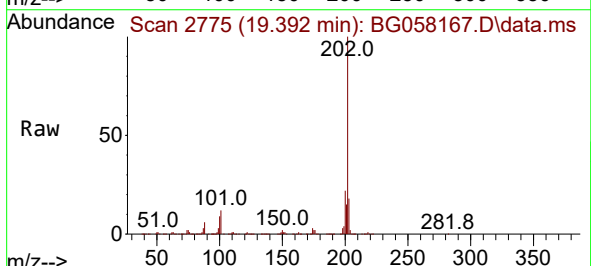
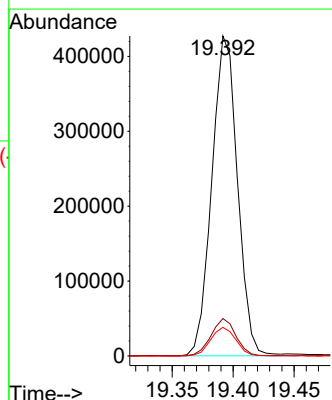
Tgt Ion:202 Resp: 624473

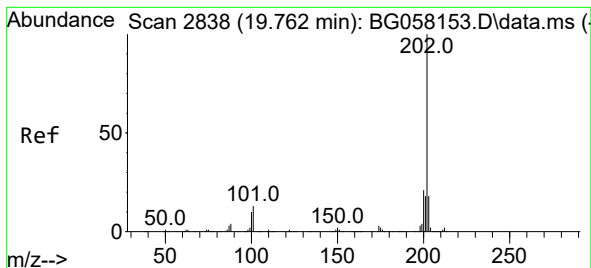
Ion Ratio Lower Upper

202 100

101 11.7 9.1 13.7

100 9.0 7.1 10.7





#82

Pyrene

Concen: 27.045 ng/ul

RT: 19.756 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA_G

ClientSampleId :

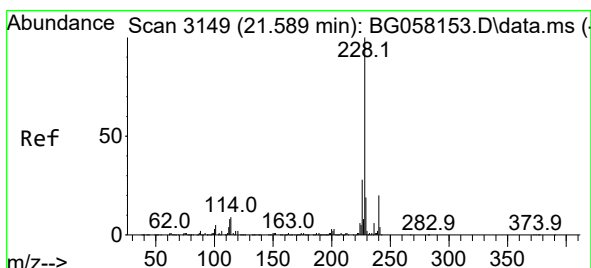
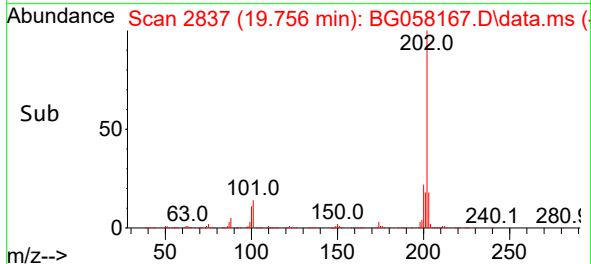
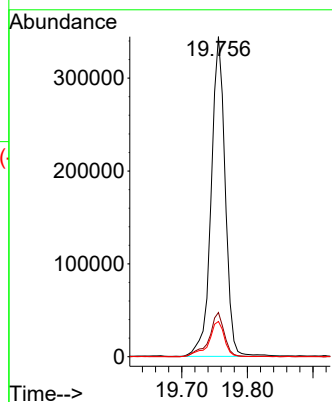
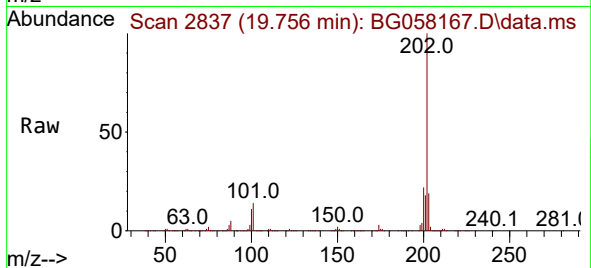
Tgt Ion:202 Resp: 511525

Ion Ratio Lower Upper

202 100

101 13.8 10.2 15.2

100 11.0 8.9 13.3



#85

Benzo(a)anthracene

Concen: 15.697 ng/ul

RT: 21.577 min Scan# 3147

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

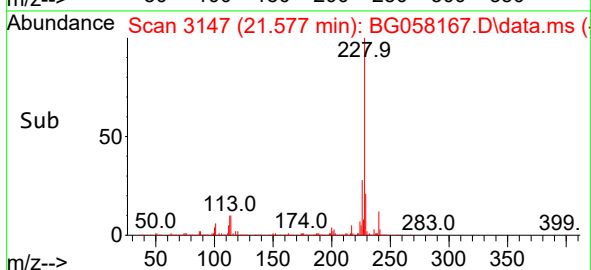
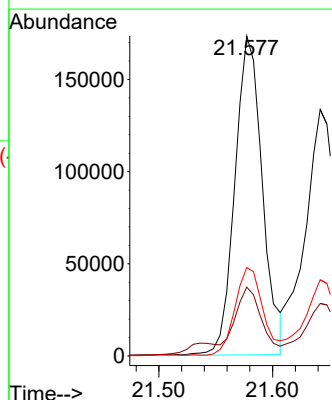
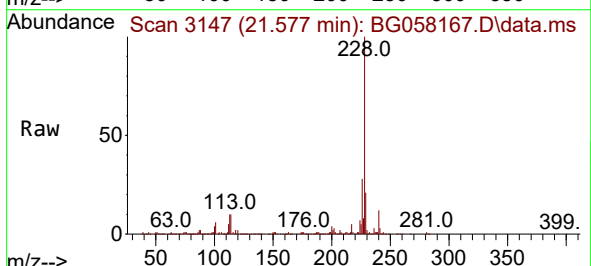
Tgt Ion:228 Resp: 290186

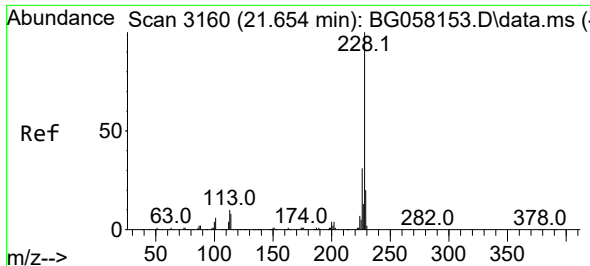
Ion Ratio Lower Upper

228 100

229 21.5 16.0 24.0

226 27.6 22.0 33.0





#87

Chrysene

Concen: 14.531 ng/ul

RT: 21.642 min Scan# 3160

Delta R.T. -0.006 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA_G

ClientSampleId :

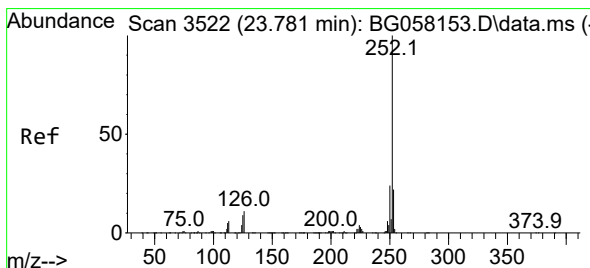
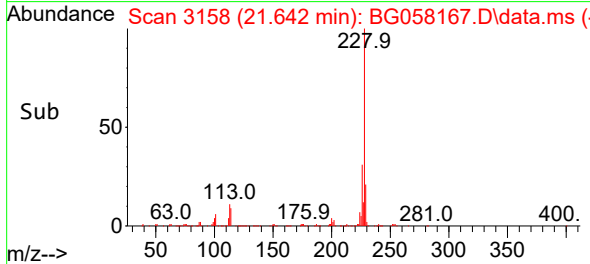
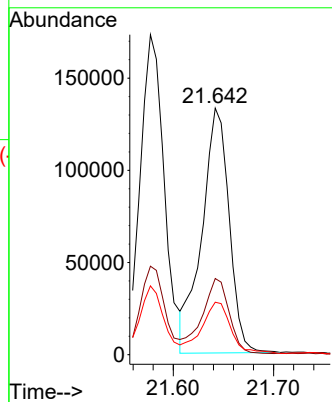
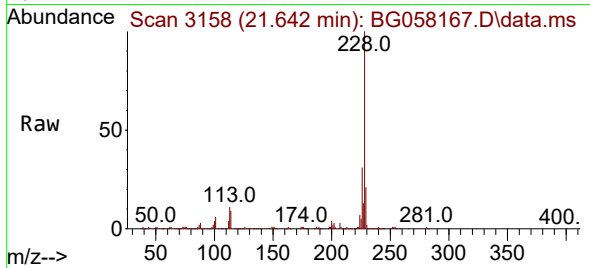
Tgt Ion:228 Resp: 251820

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 21.3 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 15.402 ng/ul

RT: 23.781 min Scan# 3522

Delta R.T. 0.012 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

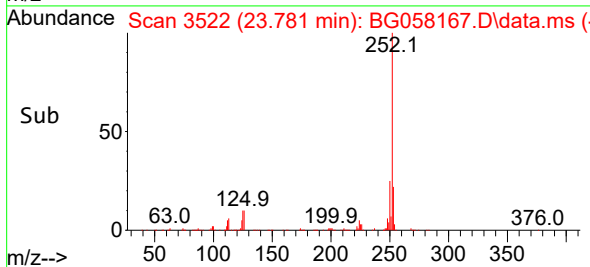
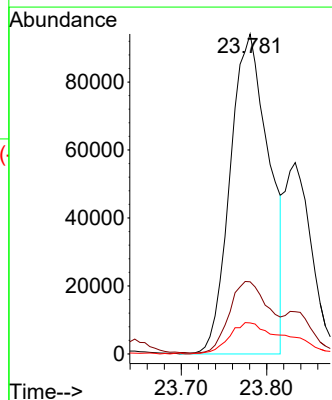
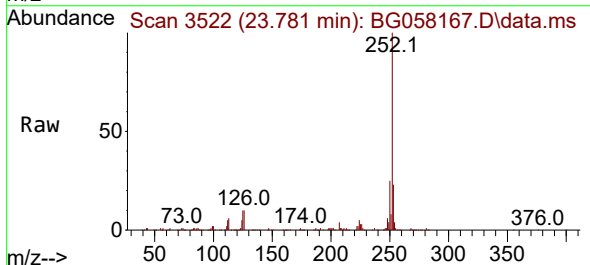
Tgt Ion:252 Resp: 298582

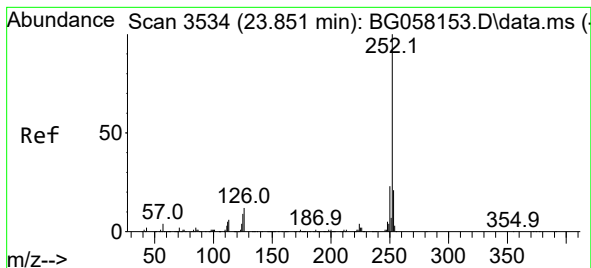
Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 9.7 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 15.714 ng/ul

RT: 23.781 min Scan# 3

Delta R.T. -0.059 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA_G

ClientSampleId :

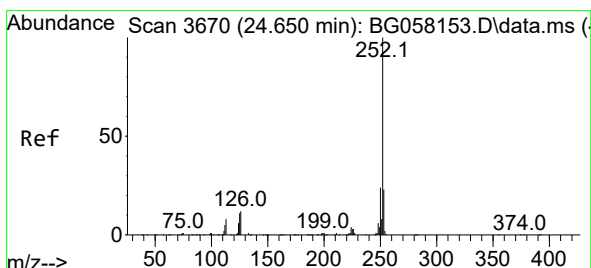
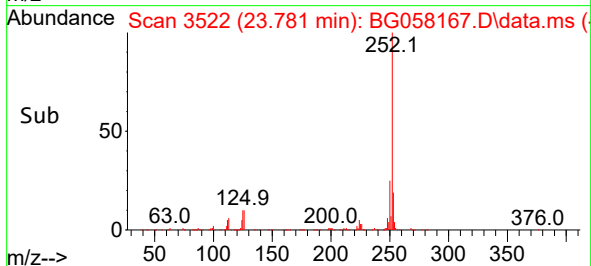
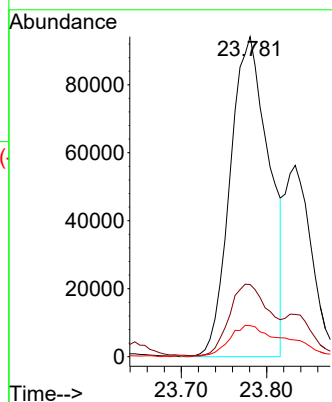
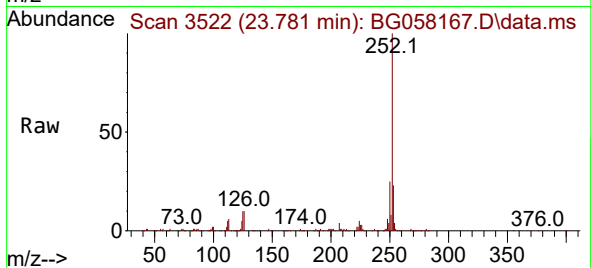
Tgt Ion:252 Resp: 298582

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 9.7 7.4 11.2



#93

Benzo(a)pyrene

Concen: 12.610 ng/ul

RT: 24.638 min Scan# 3668

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

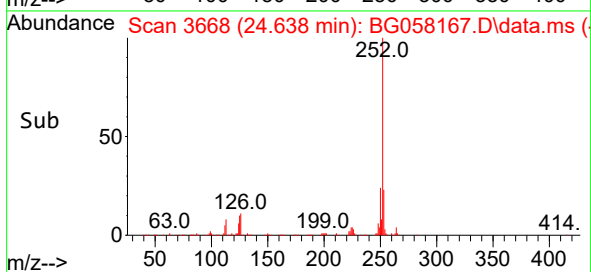
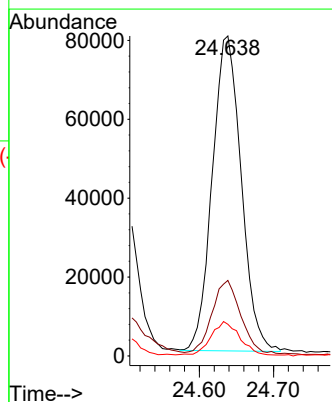
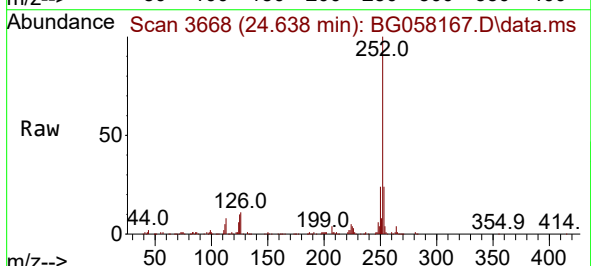
Tgt Ion:252 Resp: 216374

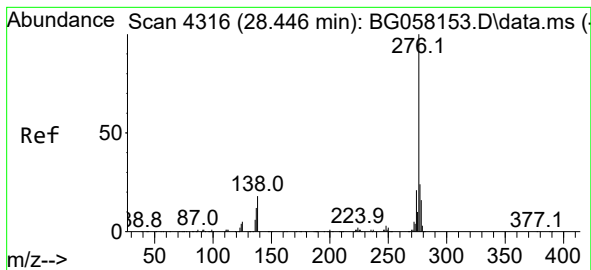
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

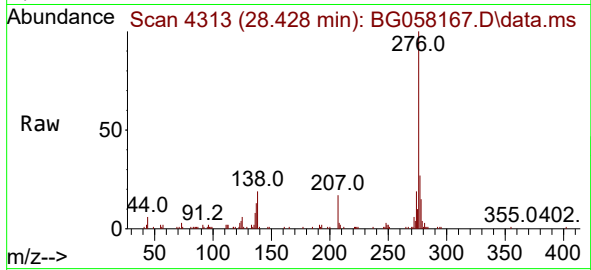
125 9.9 8.3 12.5





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 5.736 ng/ul
 RT: 28.428 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BG058167.D
 Acq: 11 Jul 2023 20:28

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:276 Resp: 130696
 Ion Ratio Lower Upper
 276 100
 138 19.5 14.0 21.0
 277 27.0 19.4 29.2

