

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
 Data File : BG058199.D
 Acq On : 13 Jul 2023 15:13
 Operator : CG/JU
 Sample : 03414-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4636

Quant Time: Jul 13 23:07:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 13 14:01:20 2023
 Response via : Initial Calibration

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

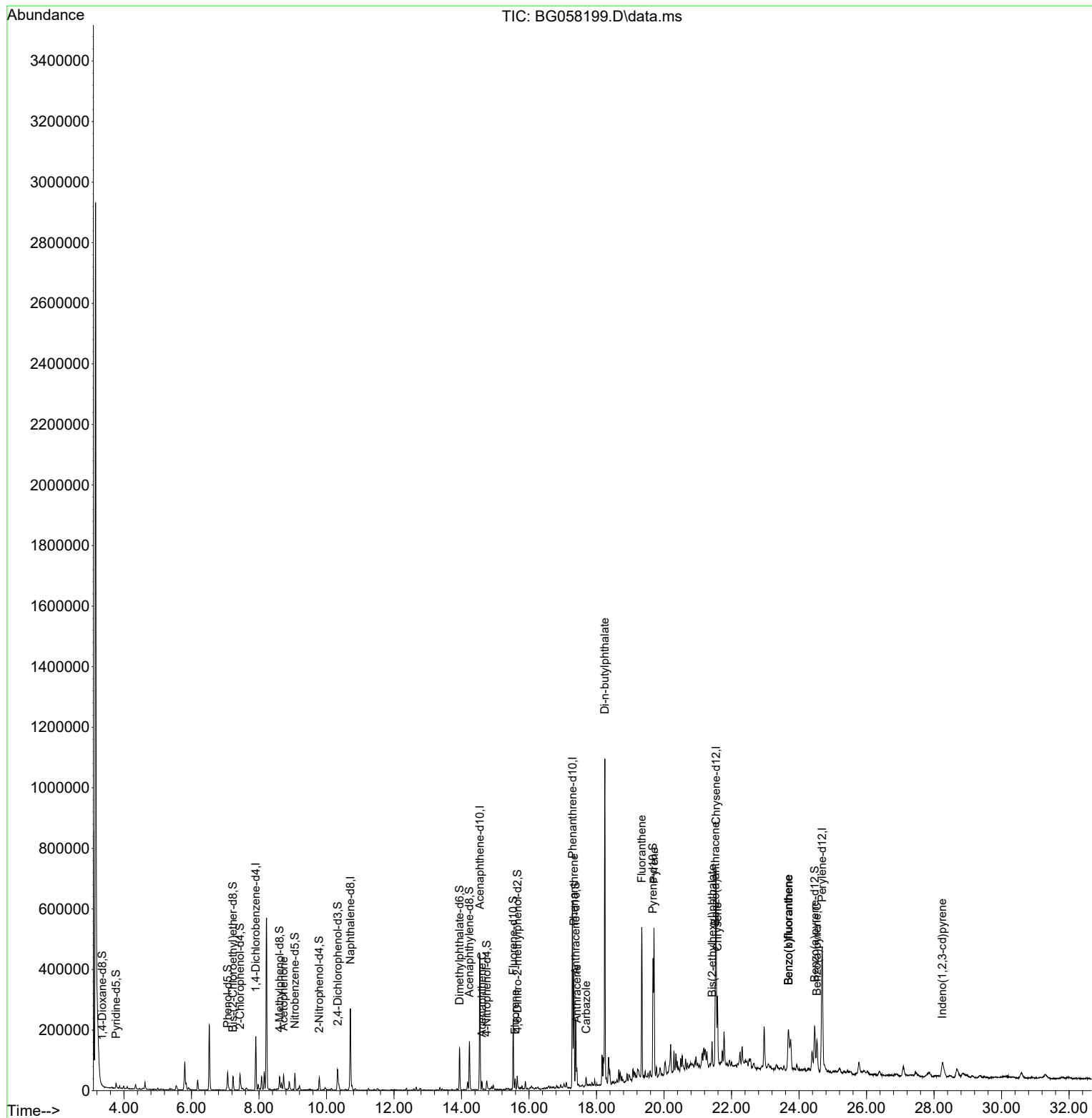
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	50616	20.000	ng/ul	0.00
20) Naphthalene-d8	10.708	136	231245	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.539	164	169314	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.288	188	406250	20.000	ng/ul	0.00
79) Chrysene-d12	21.542	240	349077	20.000	ng/ul	0.00
88) Perylene-d12	24.685	264	431899	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	1666	1.153	ng/uL	0.00
4) Pyridine-d5	3.763	84	9010	2.053	ng/ul	0.01
7) Phenol-d5	7.071	99	36534	7.068	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.229	67	22890	7.348	ng/ul	0.00
11) 2-Chlorophenol-d4	7.435	132	25425	7.132	ng/ul	0.00
15) 4-Methylphenol-d8	8.610	113	18440	4.728	ng/ul	0.00
21) Nitrobenzene-d5	9.063	128	13096	6.948	ng/ul	0.00
24) 2-Nitrophenol-d4	9.785	143	14571	7.356	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.332	165	27320	7.190	ng/ul	0.00
31) 4-Chloroaniline-d4	10.849	131	2284	0.396	ng/ul	0.00
46) Dimethylphthalate-d6	13.945	166	102384	7.664	ng/ul	0.00
49) Acenaphthylene-d8	14.233	160	111560	7.653	ng/ul	0.00
54) 4-Nitrophenol-d4	14.750	143	9425	3.993	ng/ul	0.00
60) Fluorene-d10	15.531	176	93377	8.230	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	10130	4.592	ng/ul	0.00
73) Anthracene-d10	17.382	188	130782	6.938	ng/ul	0.00
81) Pyrene-d10	19.674	212	177391	8.069	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.462	264	156092	7.094	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.728	105	27619	4.268	ng/ul	98
52) Acenaphthene	14.603	153	11652	1.079	ng/ul	94
61) Fluorene	15.584	166	15447	1.226	ng/ul	100
72) Phenanthrene	17.329	178	243841	11.800	ng/ul	99
74) Anthracene	17.418	178	39381	1.883	ng/ul	98
77) Carbazole	17.694	167	19456	1.029	ng/ul	98
78) Di-n-butylphthalate	18.246	149	800120	33.212	ng/ul	99
80) Fluoranthene	19.339	202	317065	12.446	ng/ul	100
82) Pyrene	19.703	202	313583	12.229	ng/ul	99
85) Benzo(a)anthracene	21.519	228	155389	6.200	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.425	149	29098	1.953	ng/ul	100
87) Chrysene	21.583	228	156088	6.643	ng/ul	98
90) Benzo(b)fluoranthene	23.687	252	164974	6.169	ng/ul	98
91) Benzo(k)fluoranthene	23.687	252	164974	6.294	ng/ul	97
93) Benzo(a)pyrene	24.527	252	108998	4.605	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.246	276	78526	2.498	ng/ul	98

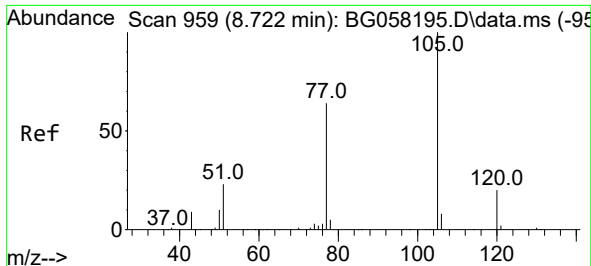
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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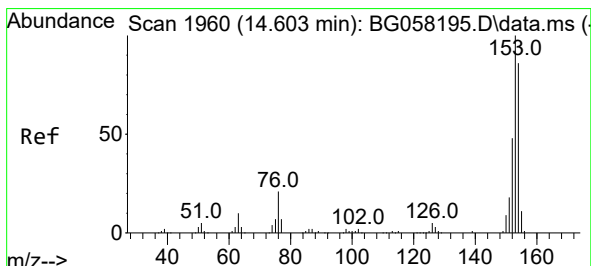
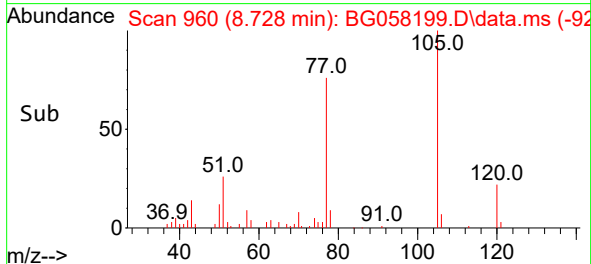
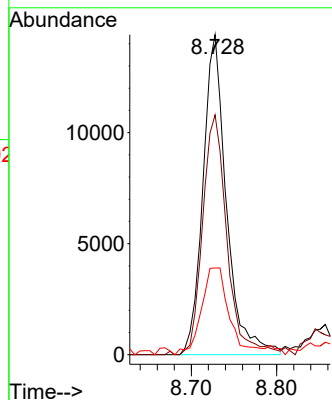
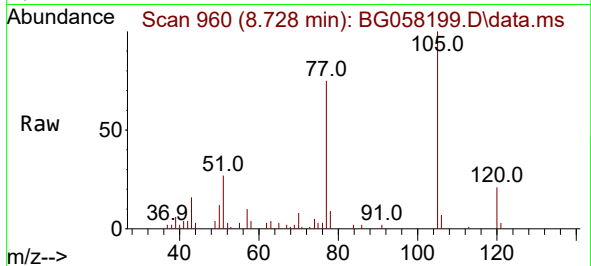




#16
Acetophenone
Concen: 4.268 ng/ul
RT: 8.728 min Scan# 959
Delta R.T. 0.006 min
Lab File: BG058199.D
Acq: 13 Jul 2023 15:13

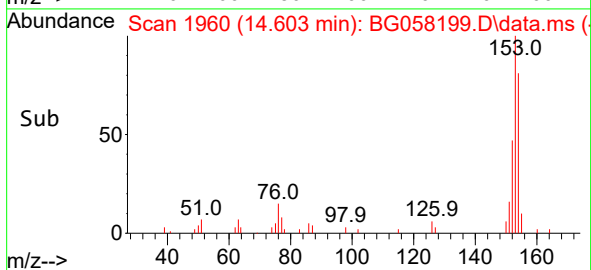
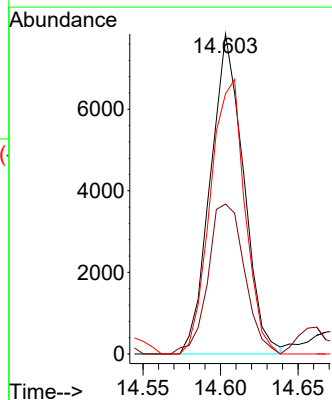
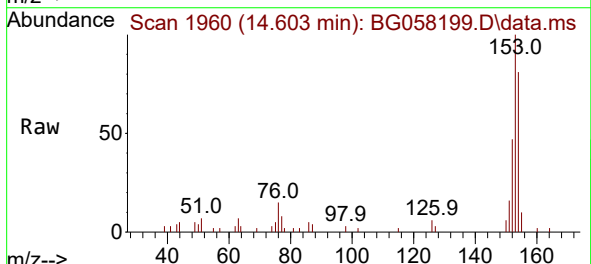
Instrument :
BNA_G
ClientSampleId :
A4636

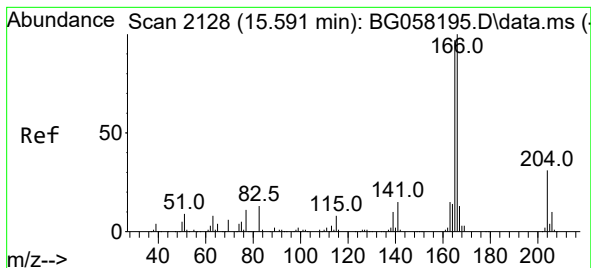
Tgt Ion:105 Resp: 27619
Ion Ratio Lower Upper
105 100
77 75.0 61.2 91.8
51 27.1 23.5 35.3



#52
Acenaphthene
Concen: 1.079 ng/ul
RT: 14.603 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BG058199.D
Acq: 13 Jul 2023 15:13

Tgt Ion:153 Resp: 11652
Ion Ratio Lower Upper
153 100
152 46.9 36.5 54.7
154 81.2 70.5 105.7





#61

Fluorene

Concen: 1.226 ng/ul

RT: 15.584 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BG058199.D

Acq: 13 Jul 2023 15:13

Instrument :

BNA_G

ClientSampleId :

A4636

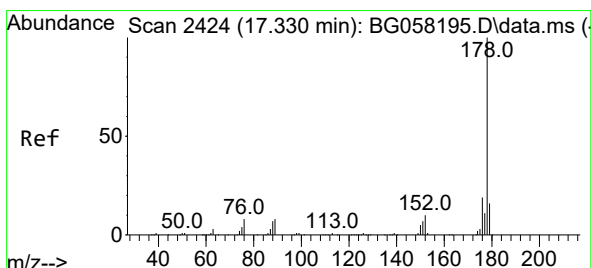
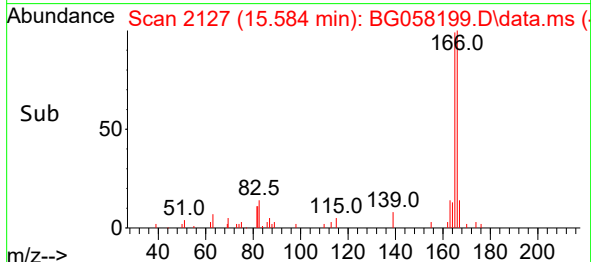
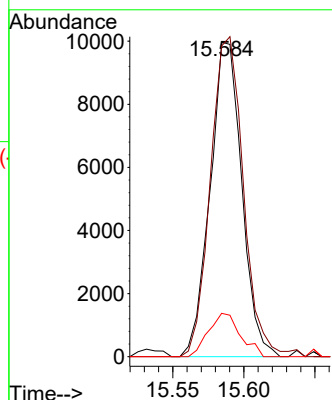
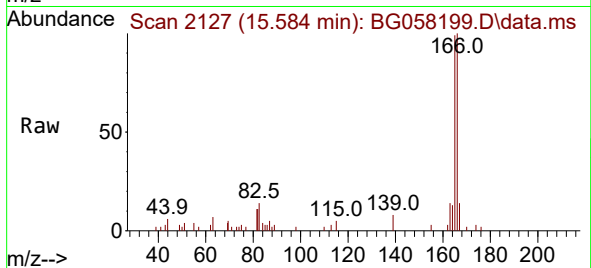
Tgt Ion:166 Resp: 15447

Ion Ratio Lower Upper

166 100

165 98.8 79.1 118.7

167 13.8 10.7 16.1



#72

Phenanthrene

Concen: 11.800 ng/ul

RT: 17.329 min Scan# 2424

Delta R.T. -0.000 min

Lab File: BG058199.D

Acq: 13 Jul 2023 15:13

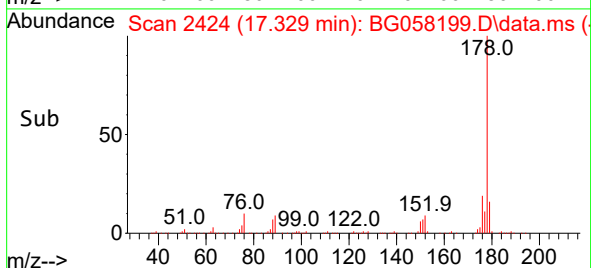
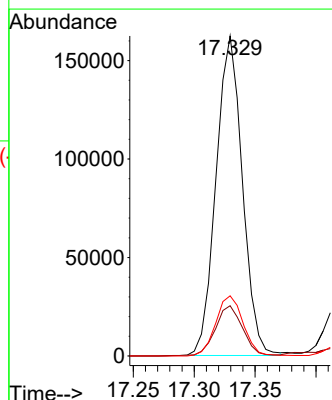
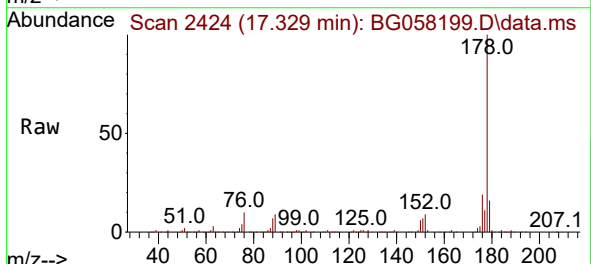
Tgt Ion:178 Resp: 243841

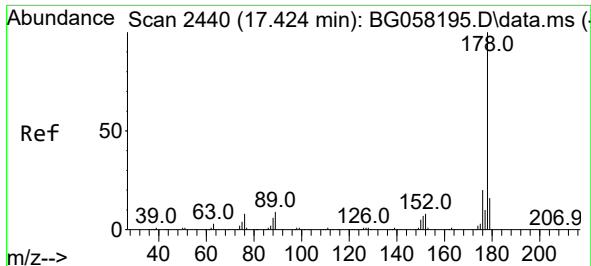
Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

176 18.8 15.7 23.5

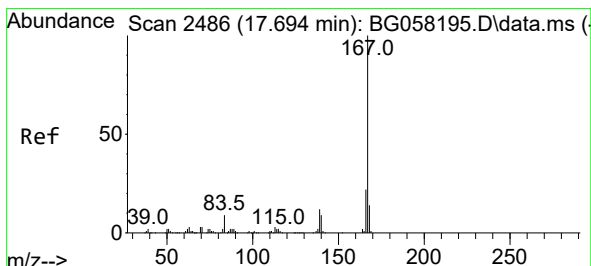
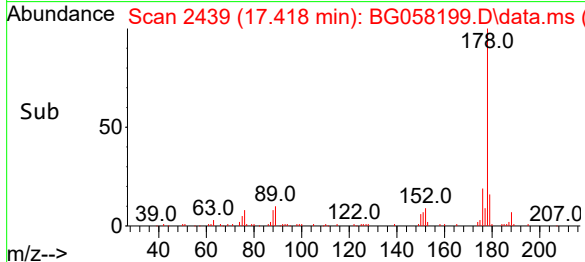
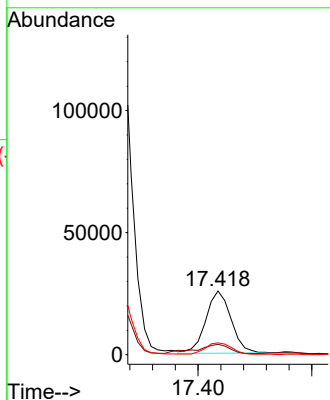
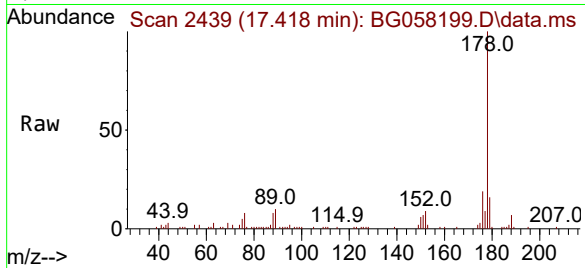




#74
 Anthracene
 Concen: 1.883 ng/ul
 RT: 17.418 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BG058199.D
 Acq: 13 Jul 2023 15:13

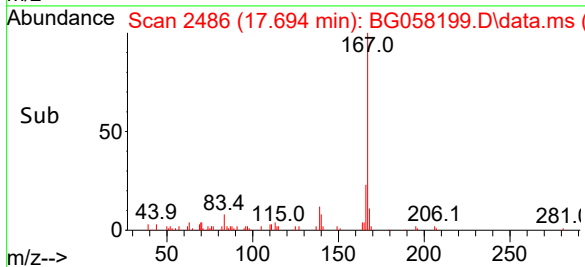
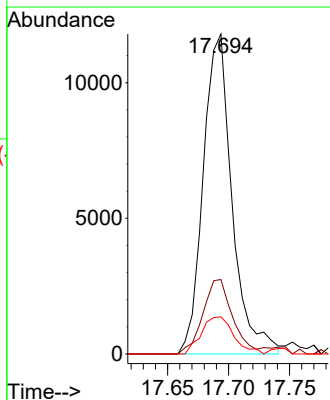
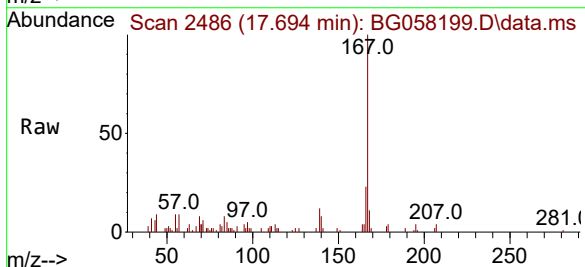
Instrument :
 BNA_G
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 A4636

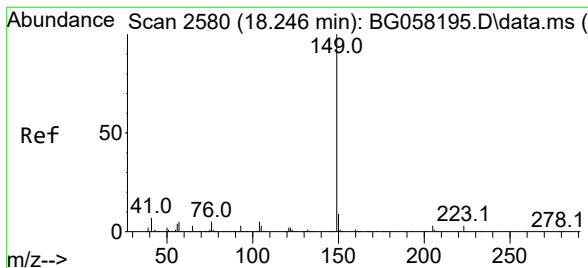
Tgt Ion:178 Resp: 39381
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.6 18.8
 176 18.6 15.4 23.2



#77
 Carbazole
 Concen: 1.029 ng/ul
 RT: 17.694 min Scan# 2486
 Delta R.T. -0.000 min
 Lab File: BG058199.D
 Acq: 13 Jul 2023 15:13

Tgt Ion:167 Resp: 19456
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.5 26.3
 139 11.6 9.5 14.3





#78

Di-n-butylphthalate

Concen: 33.212 ng/ul

RT: 18.246 min Scan# 2580

Delta R.T. -0.000 min

Lab File: BG058199.D

Acq: 13 Jul 2023 15:13

Instrument :

BNA_G

ClientSampleId :

A4636

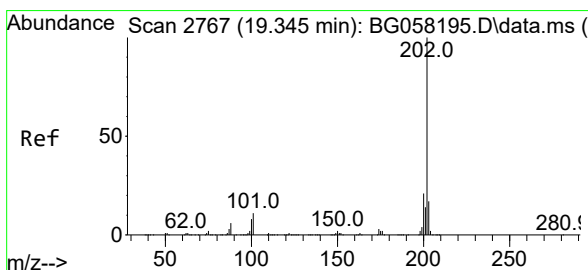
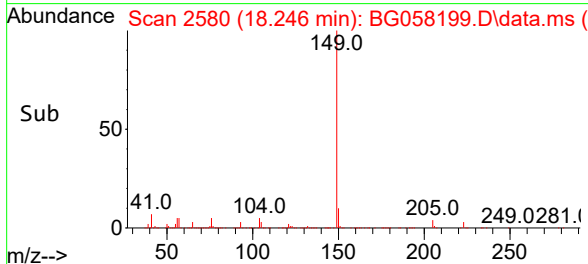
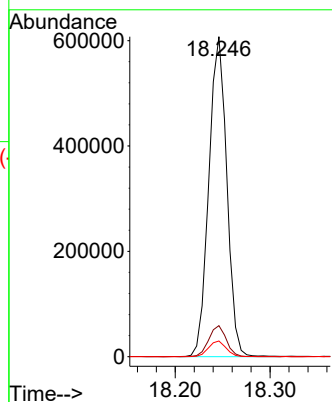
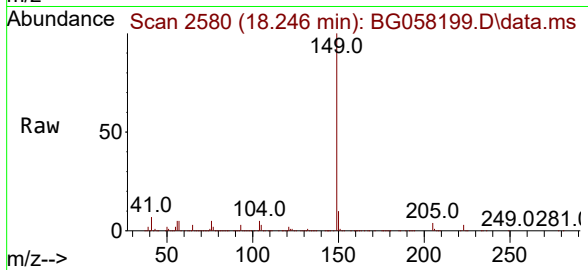
Tgt Ion:149 Resp: 800120

Ion Ratio Lower Upper

149 100

150 9.7 7.4 11.2

104 4.9 3.9 5.9



#80

Fluoranthene

Concen: 12.446 ng/ul

RT: 19.339 min Scan# 2766

Delta R.T. -0.006 min

Lab File: BG058199.D

Acq: 13 Jul 2023 15:13

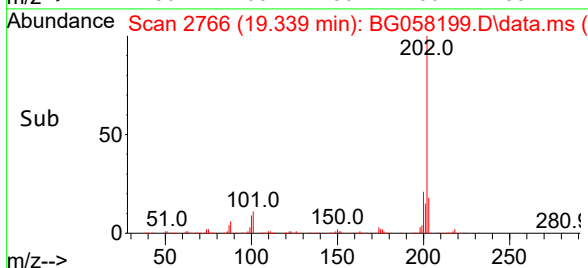
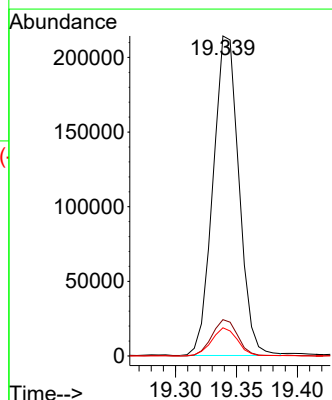
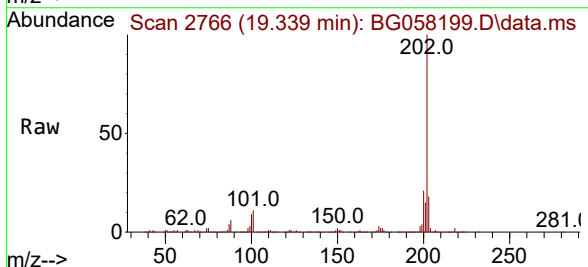
Tgt Ion:202 Resp: 317065

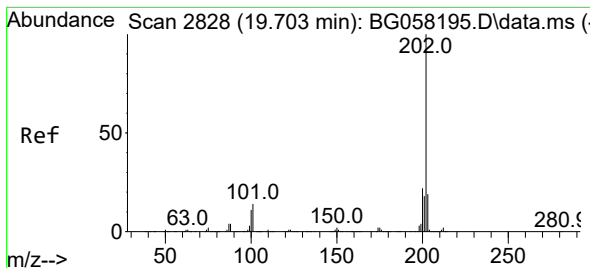
Ion Ratio Lower Upper

202 100

101 11.4 9.1 13.7

100 8.8 7.1 10.7





#82

Pyrene

Concen: 12.229 ng/ul

RT: 19.703 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG058199.D

Acq: 13 Jul 2023 15:13

Instrument :

BNA_G

ClientSampleId :

A4636

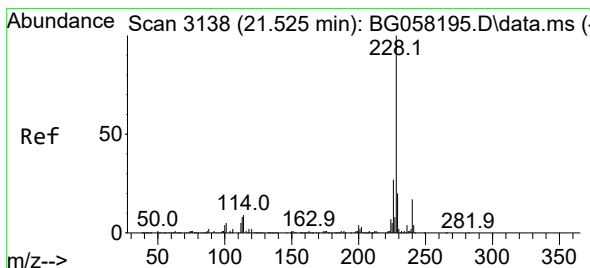
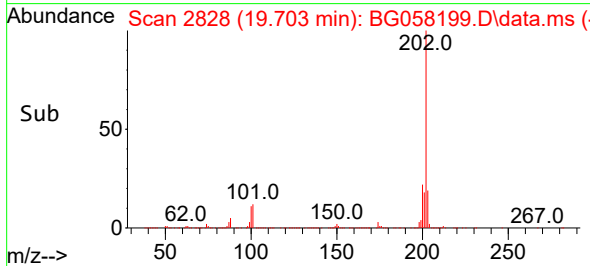
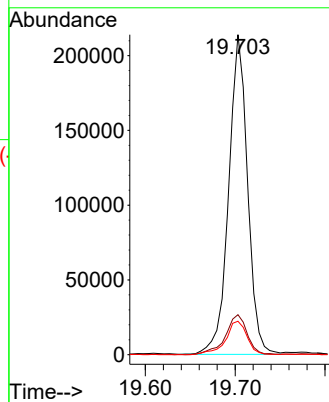
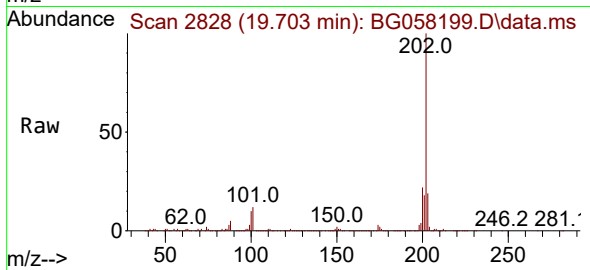
Tgt Ion:202 Resp: 313583

Ion Ratio Lower Upper

202 100

101 12.5 10.2 15.2

100 10.5 8.9 13.3



#85

Benzo(a)anthracene

Concen: 6.200 ng/ul

RT: 21.519 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BG058199.D

Acq: 13 Jul 2023 15:13

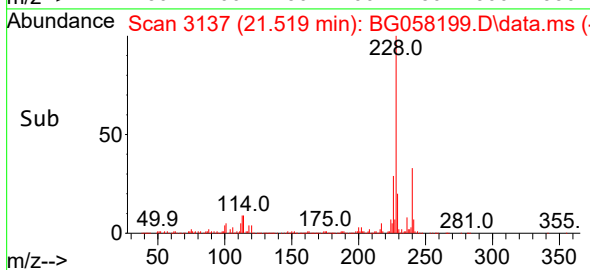
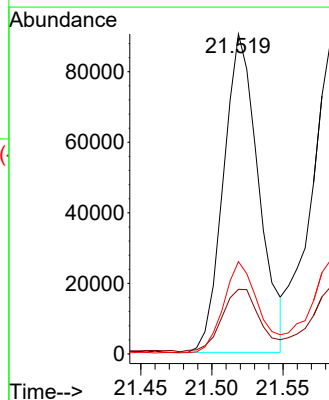
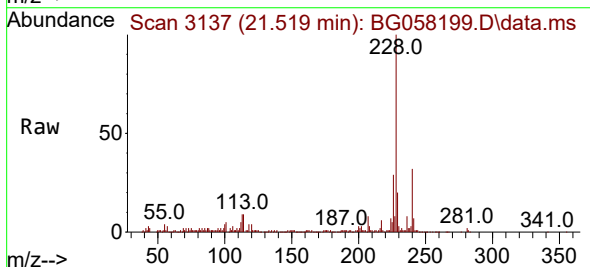
Tgt Ion:228 Resp: 155389

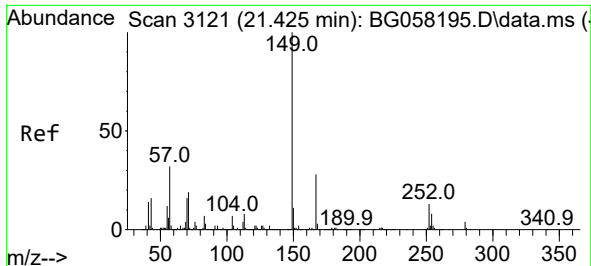
Ion Ratio Lower Upper

228 100

229 20.2 16.0 24.0

226 28.8 22.0 33.0

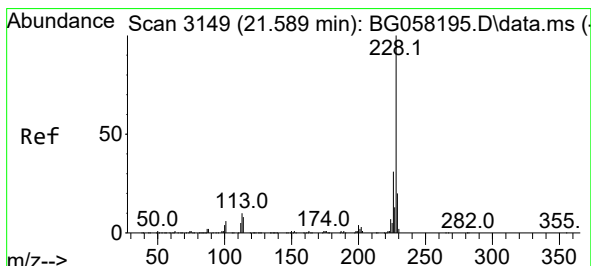
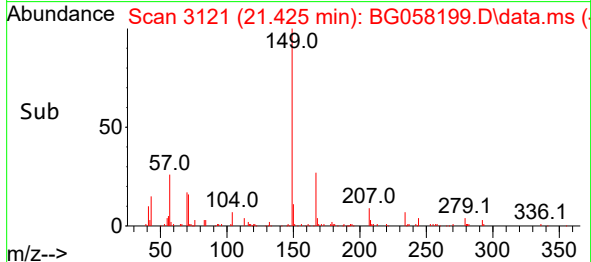
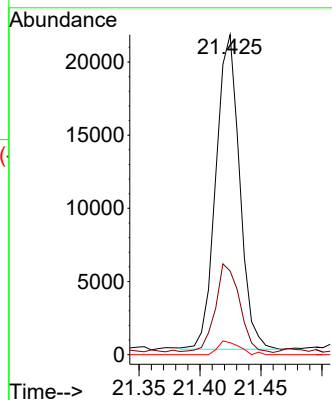
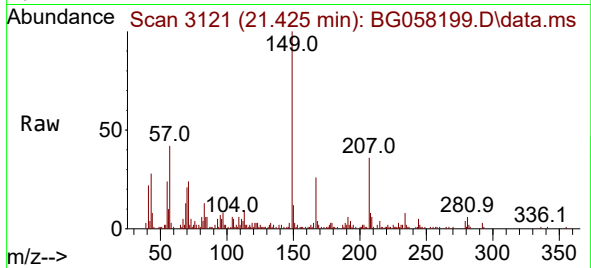




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.953 ng/ul
 RT: 21.425 min Scan# 3121
 Delta R.T. -0.000 min
 Lab File: BG058199.D
 Acq: 13 Jul 2023 15:13

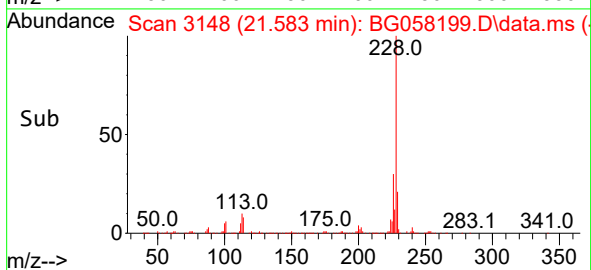
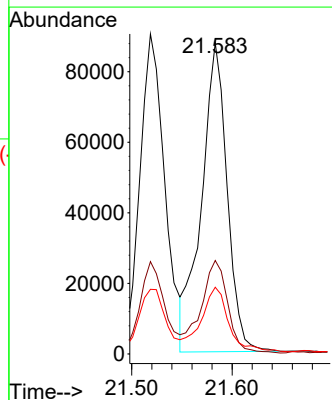
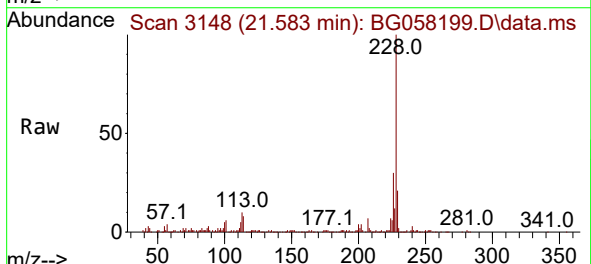
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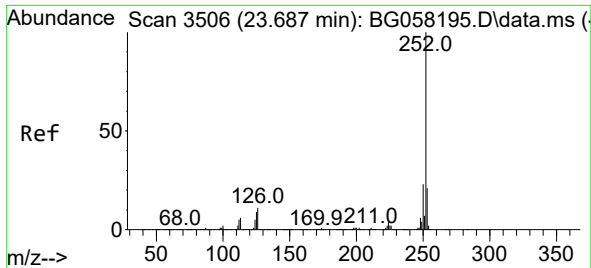
Tgt Ion:149 Resp: 29098
 Ion Ratio Lower Upper
 149 100
 167 26.2 20.9 31.3
 279 3.7 3.1 4.7



#87
 Chrysene
 Concen: 6.643 ng/ul
 RT: 21.583 min Scan# 3148
 Delta R.T. -0.006 min
 Lab File: BG058199.D
 Acq: 13 Jul 2023 15:13

Tgt Ion:228 Resp: 156088
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.4 36.6
 229 21.4 15.5 23.3

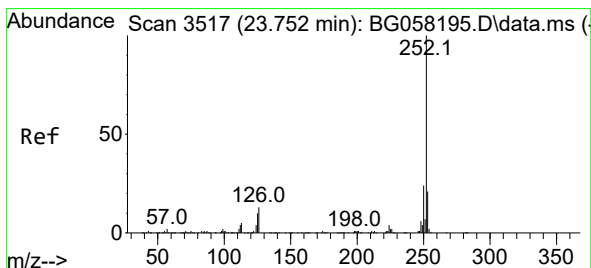
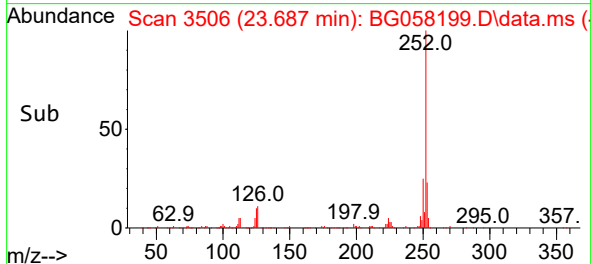
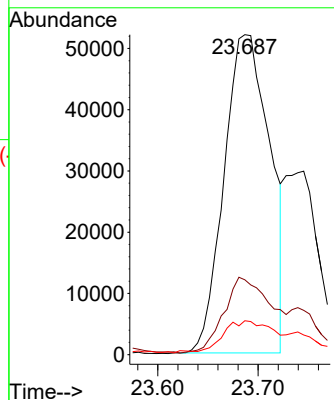
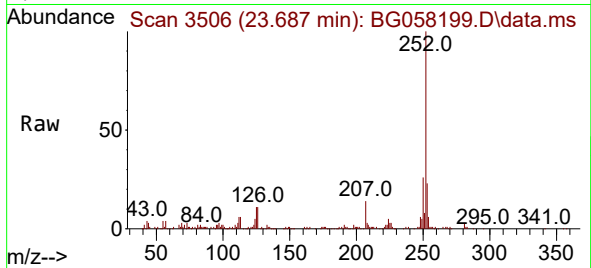




#90
Benzo(b)fluoranthene
Concen: 6.169 ng/ul
RT: 23.687 min Scan# 3506
Delta R.T. -0.000 min
Lab File: BG058199.D
Acq: 13 Jul 2023 15:13

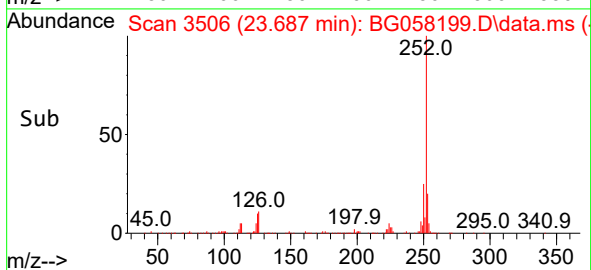
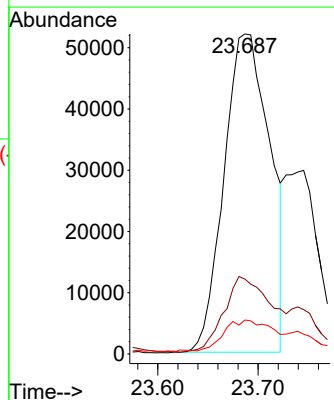
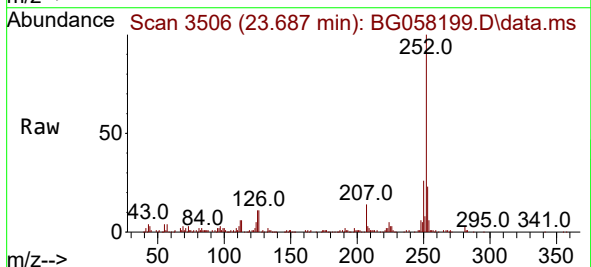
Instrument :
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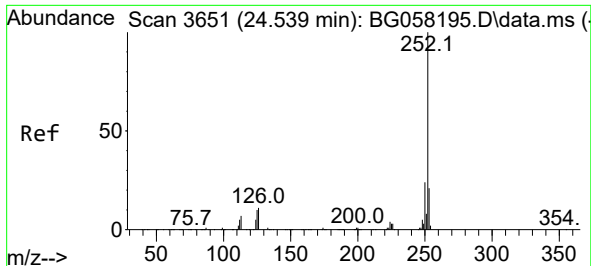
Tgt Ion:252 Resp: 164974
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 10.6 7.5 11.3



#91
Benzo(k)fluoranthene
Concen: 6.294 ng/ul
RT: 23.687 min Scan# 3506
Delta R.T. -0.065 min
Lab File: BG058199.D
Acq: 13 Jul 2023 15:13

Tgt Ion:252 Resp: 164974
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 10.6 7.4 11.2

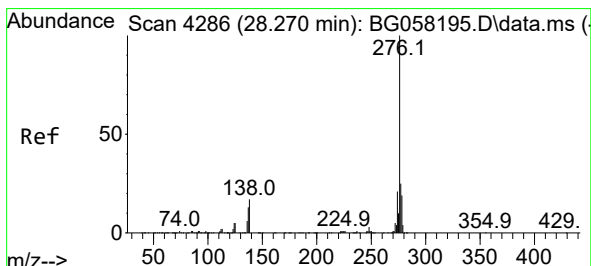
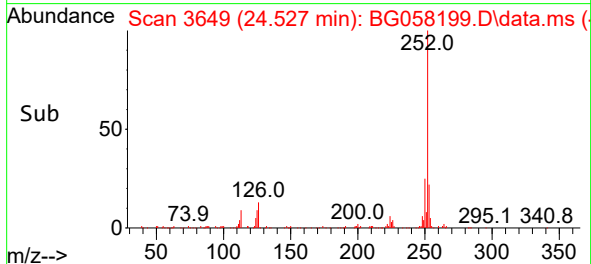
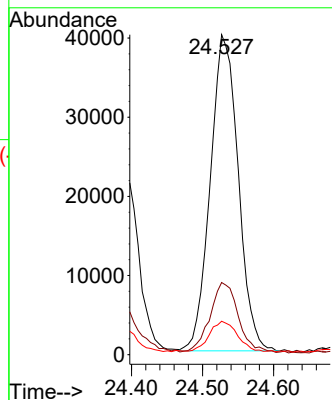
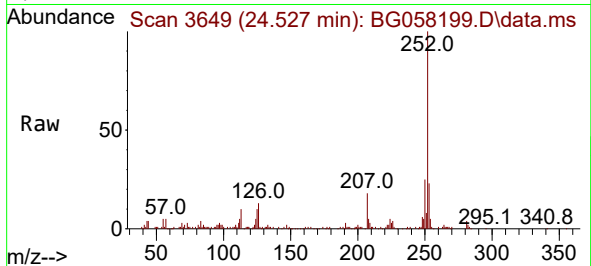




#93
Benzo(a)pyrene
Concen: 4.605 ng/ul
RT: 24.527 min Scan# 3649
Delta R.T. -0.012 min
Lab File: BG058199.D
Acq: 13 Jul 2023 15:13

Instrument :
BNA_G
ClientSampleId :
A4636

Tgt Ion:252 Resp: 108998
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.4 8.3 12.5



#94
Indeno(1,2,3-cd)pyrene
Concen: 2.498 ng/ul
RT: 28.246 min Scan# 4282
Delta R.T. -0.024 min
Lab File: BG058199.D
Acq: 13 Jul 2023 15:13

Tgt Ion:276 Resp: 78526
Ion Ratio Lower Upper
276 100
138 16.8 14.0 21.0
277 23.3 19.4 29.2

