

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
 Data File : BG058227.D
 Acq On : 14 Jul 2023 12:12
 Operator : CG/JU
 Sample : 03418-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4643

Quant Time: Jul 15 01:15:32 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

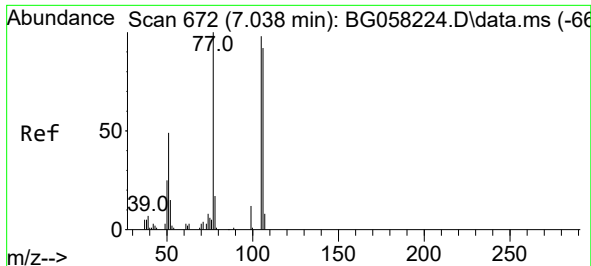
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.900	152	66246	20.000	ng/ul	0.00
20) Naphthalene-d8	10.703	136	304491	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.539	164	218958	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.289	188	506375	20.000	ng/ul	0.00
79) Chrysene-d12	21.543	240	439466	20.000	ng/ul	0.00
88) Perylene-d12	24.692	264	553671	20.000	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.347	96	4799	2.537	ng/uL	0.00
4) Pyridine-d5	3.758	84	24578	4.279	ng/ul	0.00
7) Phenol-d5	7.072	99	123833	18.304	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.230	67	74519	18.278	ng/ul	0.00
11) 2-Chlorophenol-d4	7.436	132	88762	19.023	ng/ul	0.00
15) 4-Methylphenol-d8	8.611	113	76554	14.996	ng/ul	0.00
21) Nitrobenzene-d5	9.064	128	46210	18.620	ng/ul	0.00
24) 2-Nitrophenol-d4	9.786	143	54115	20.747	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.327	165	97789	19.544	ng/ul	0.00
31) 4-Chloroaniline-d4	10.826	131	358	0.047	ng/ul	-0.02
46) Dimethylphthalate-d6	13.946	166	328337	19.005	ng/ul	0.00
49) Acenaphthylene-d8	14.234	160	377480	20.023	ng/ul	0.00
54) 4-Nitrophenol-d4	14.745	143	48743	15.969	ng/ul	0.00
60) Fluorene-d10	15.532	176	303372	20.677	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	48312	17.570	ng/ul	0.00
73) Anthracene-d10	17.389	188	439032	18.685	ng/ul	0.00
81) Pyrene-d10	19.675	212	440773	15.925	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.469	264	306171	10.854	ng/ul	0.00

Target Compounds				Qvalue		
6) Benzaldehyde	7.042	77	2671	1.182	ng/ul	86
8) Phenol	7.101	94	7793	1.135	ng/ul#	83
16) Acetophenone	8.723	105	49205	5.810	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.664	70	10358	2.288	ng/ul#	67
30) Naphthalene	10.756	128	22202	1.297	ng/ul	97
52) Acenaphthene	14.604	153	47111	3.372	ng/ul	97
56) Dibenzofuran	14.939	168	33285	1.676	ng/ul	91
61) Fluorene	15.591	166	49884	3.062	ng/ul	96
72) Phenanthrene	17.330	178	508701	19.749	ng/ul	99
74) Anthracene	17.418	178	108037	4.145	ng/ul	97
77) Carbazole	17.689	167	48475	2.056	ng/ul	97
80) Fluoranthene	19.346	202	606603	18.914	ng/ul	98
82) Pyrene	19.704	202	350644	10.861	ng/ul	100
85) Benzo(a)anthracene	21.525	228	253062	8.020	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.426	149	164113	8.748	ng/ul	97
87) Chrysene	21.584	228	249237	8.426	ng/ul	96
90) Benzo(b)fluoranthene	23.688	252	283788	8.278	ng/ul#	95
91) Benzo(k)fluoranthene	23.688	252	283788	8.446	ng/ul#	94
93) Benzo(a)pyrene	24.540	252	84604	2.788	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.265	276	81128	2.013	ng/ul	97

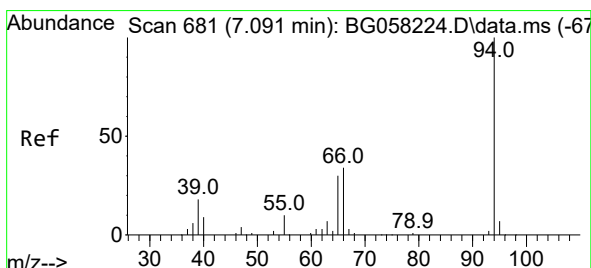
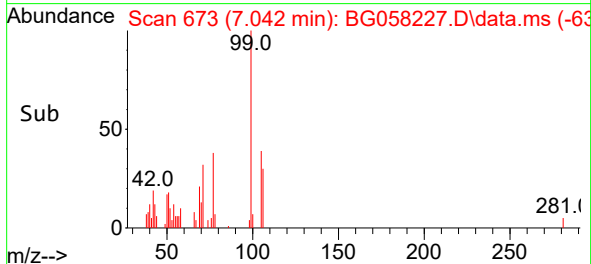
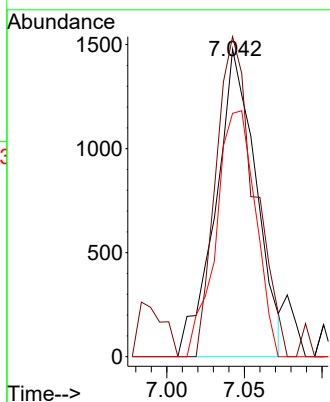
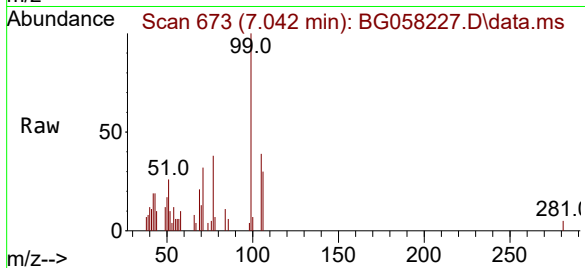
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Benzaldehyde
Concen: 1.182 ng/ul
RT: 7.042 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

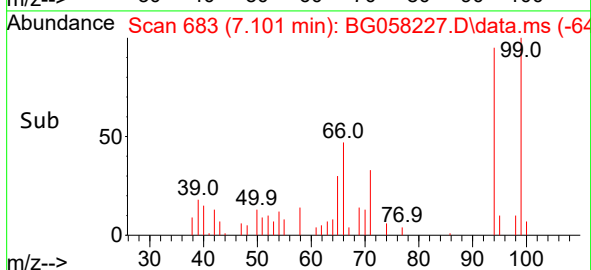
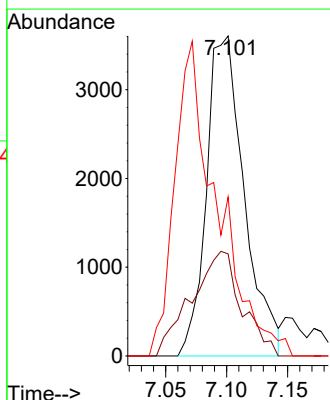
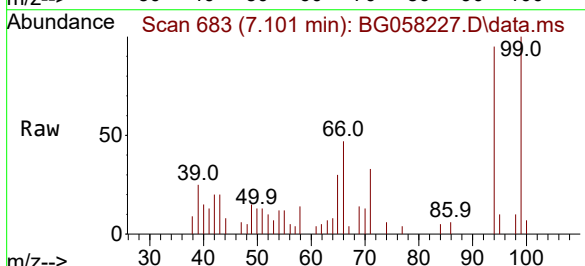
Instrument :
BNA_G
ClientSampleId :
A4643

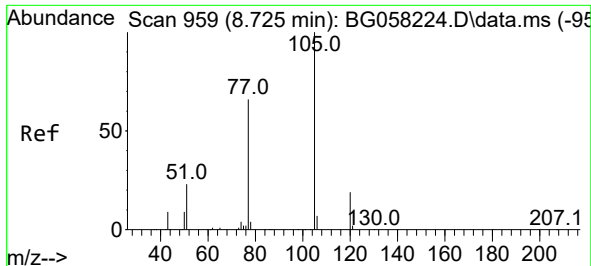
Tgt Ion: 77 Resp: 2671
Ion Ratio Lower Upper
77 100
105 104.0 74.7 112.1
106 79.1 75.9 113.9



#8
Phenol
Concen: 1.135 ng/ul
RT: 7.101 min Scan# 683
Delta R.T. 0.006 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

Tgt Ion: 94 Resp: 7793
Ion Ratio Lower Upper
94 100
65 31.9 22.2 33.4
66 49.7 28.6 43.0#

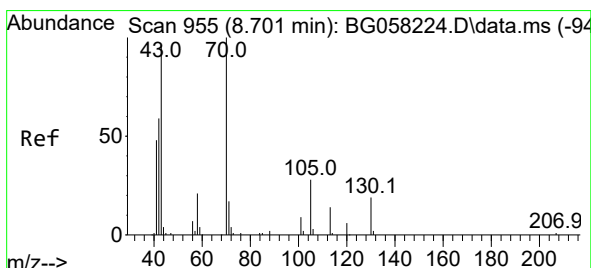
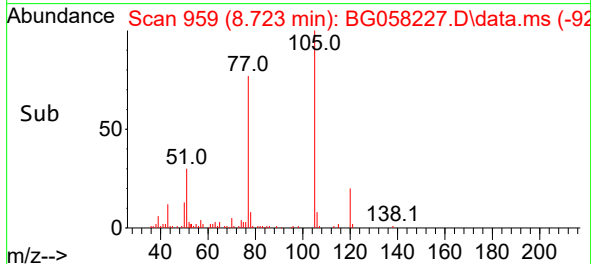
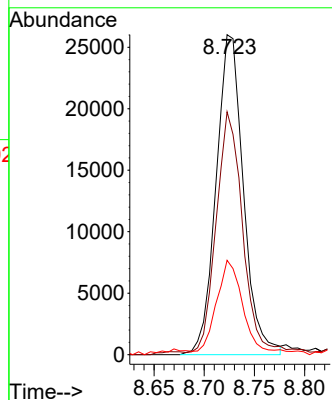
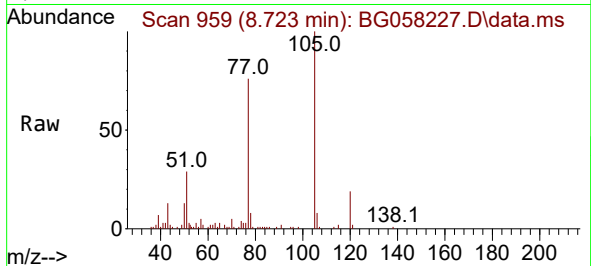




#16
Acetophenone
Concen: 5.810 ng/ul
RT: 8.723 min Scan# 910
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

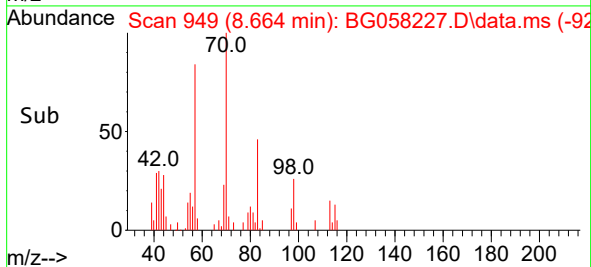
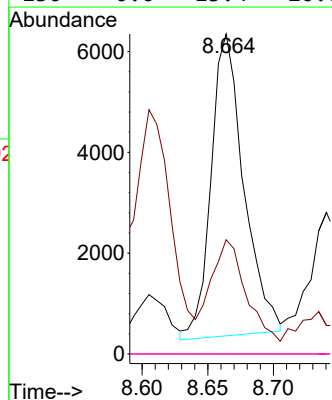
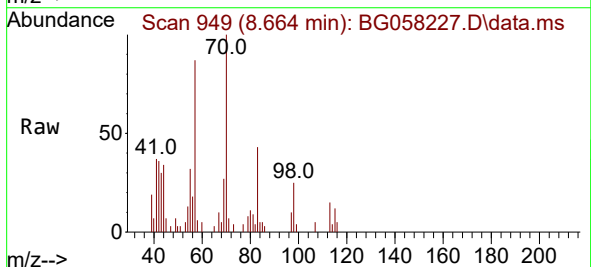
Instrument :
BNA_G
ClientSampleId :
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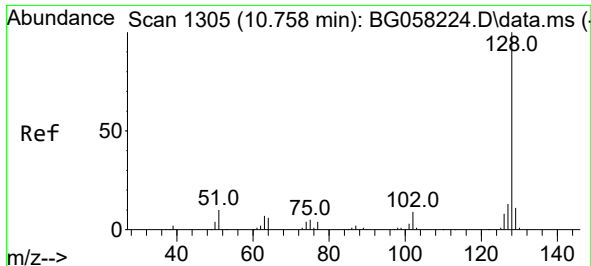
Tgt Ion	Ratio	Lower	Upper
105	100		
77	75.9	61.2	91.8
51	29.5	23.5	35.3



#17
N-Nitroso-di-n-propylamine
Concen: 2.288 ng/ul
RT: 8.664 min Scan# 949
Delta R.T. -0.041 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

Tgt Ion	Ratio	Lower	Upper
70	100		
42	35.7	48.0	72.0#
101	0.0	7.4	11.2#
130	0.0	13.4	20.0#

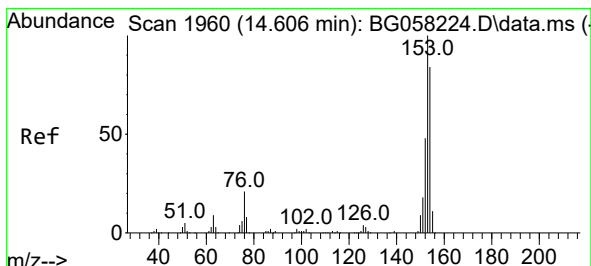
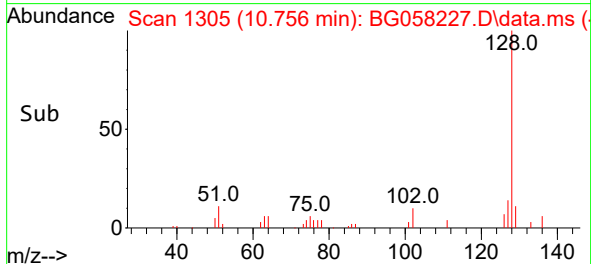
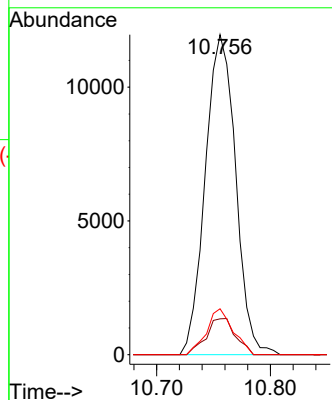
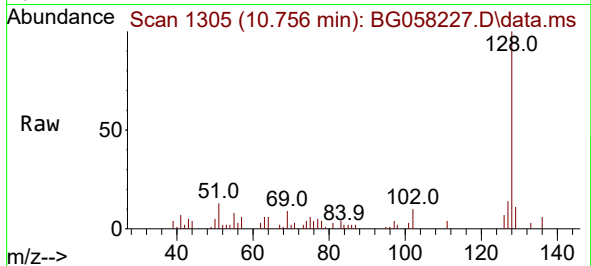




#30
Naphthalene
Concen: 1.297 ng/ul
RT: 10.756 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

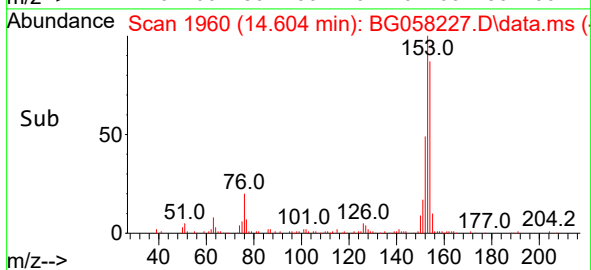
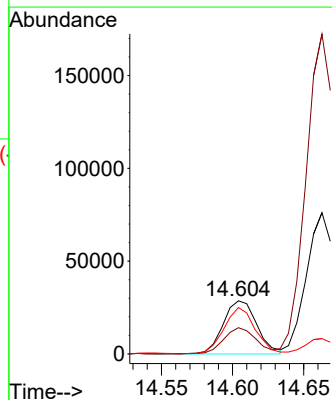
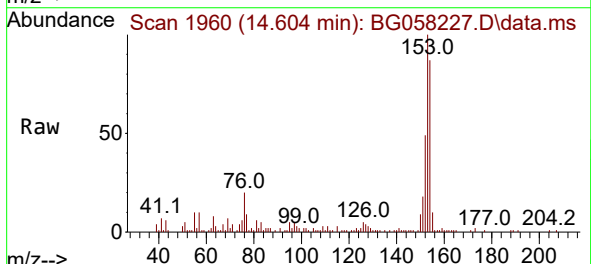
Instrument :
BNA_G
ClientSampleId :
A4643

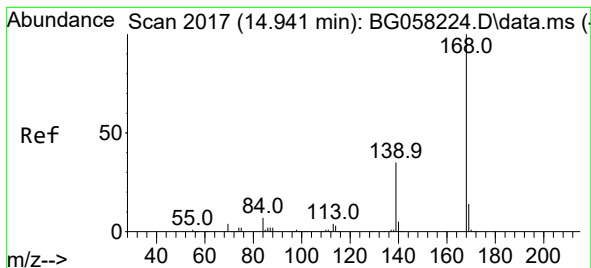
Tgt Ion:128 Resp: 22202
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 14.4 10.2 15.2



#52
Acenaphthene
Concen: 3.372 ng/ul
RT: 14.604 min Scan# 1960
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

Tgt Ion:153 Resp: 47111
Ion Ratio Lower Upper
153 100
152 49.4 36.5 54.7
154 87.4 70.5 105.7

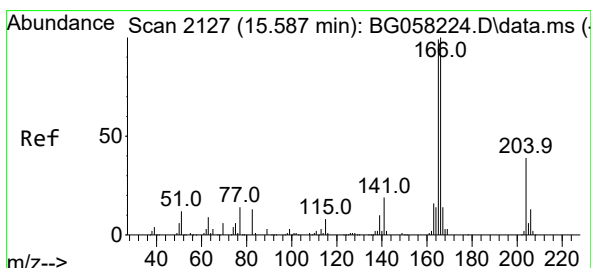
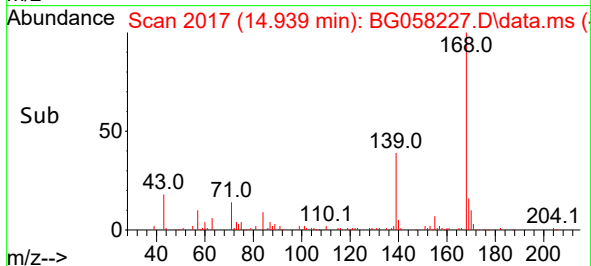
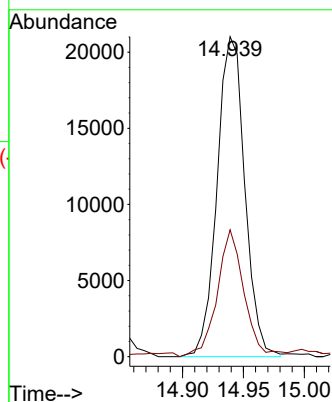
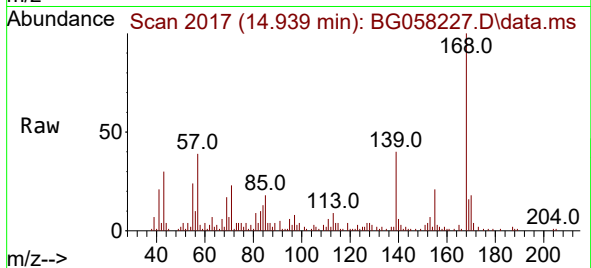




#56
Dibenzenofuran
Concen: 1.676 ng/ul
RT: 14.939 min Scan# 2017
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

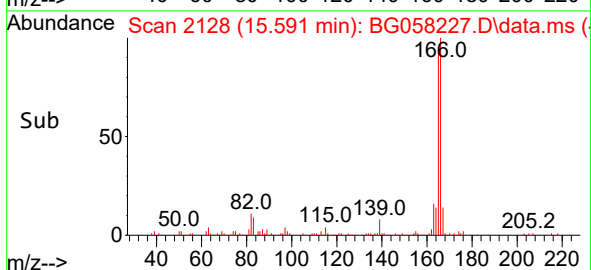
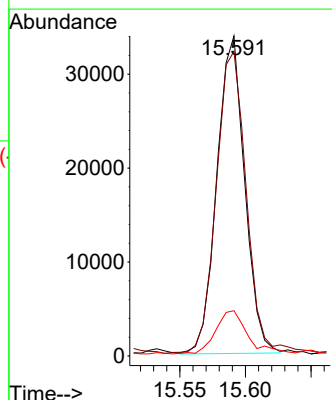
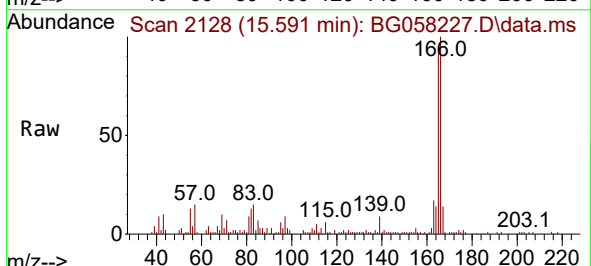
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BNA_G
ClientSampleId :
A4643

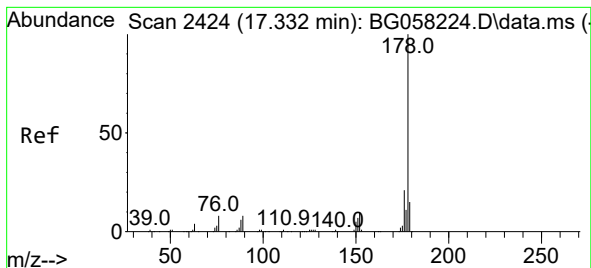
Tgt Ion:168 Resp: 33285
Ion Ratio Lower Upper
168 100
139 39.6 27.6 41.4



#61
Fluorene
Concen: 3.062 ng/ul
RT: 15.591 min Scan# 2128
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

Tgt Ion:166 Resp: 49884
Ion Ratio Lower Upper
166 100
165 95.2 79.1 118.7
167 14.1 10.7 16.1





#72

Phenanthrene

Concen: 19.749 ng/ul

RT: 17.330 min Scan# 2424

Delta R.T. 0.001 min

Lab File: BG058227.D

Acq: 14 Jul 2023 12:12

Instrument :

BNA_G

ClientSampleId :

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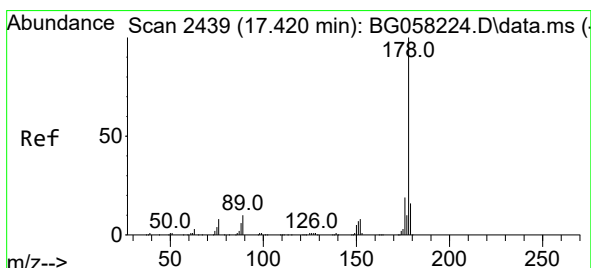
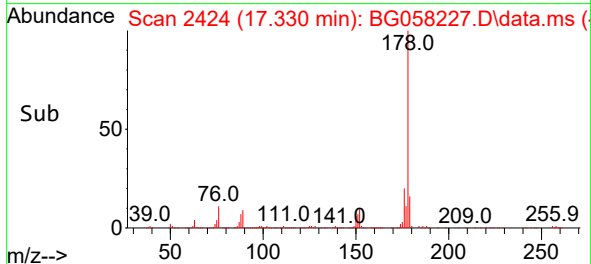
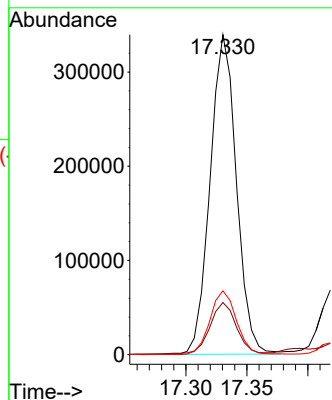
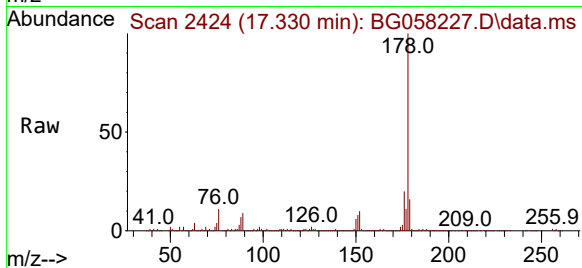
Tgt Ion:178 Resp: 508701

Ion Ratio Lower Upper

178 100

179 16.3 12.8 19.2

176 20.0 15.7 23.5



#74

Anthracene

Concen: 4.145 ng/ul

RT: 17.418 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BG058227.D

Acq: 14 Jul 2023 12:12

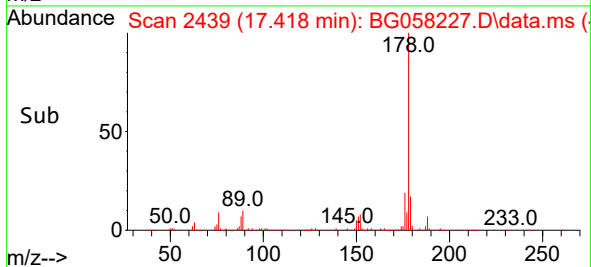
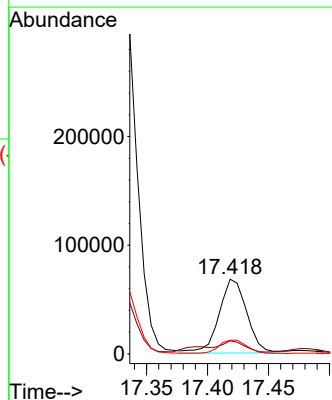
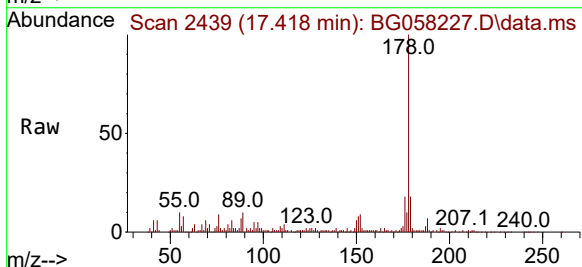
Tgt Ion:178 Resp: 108037

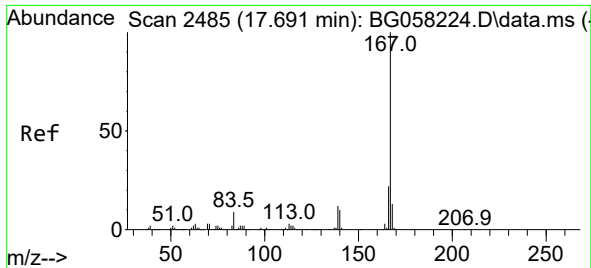
Ion Ratio Lower Upper

178 100

179 17.5 12.6 18.8

176 18.4 15.4 23.2

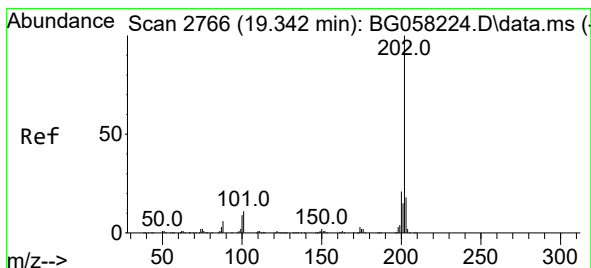
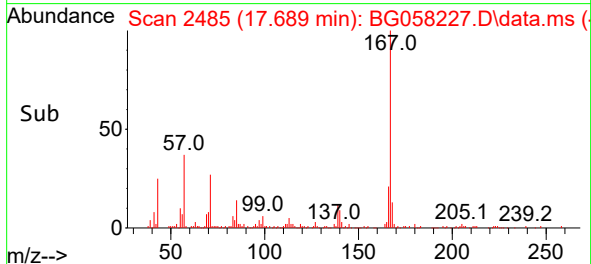
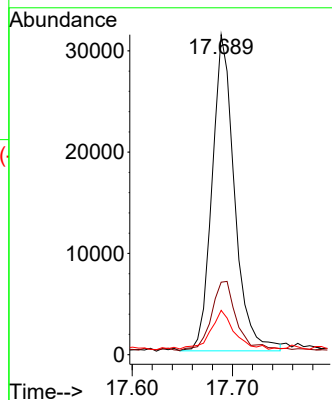
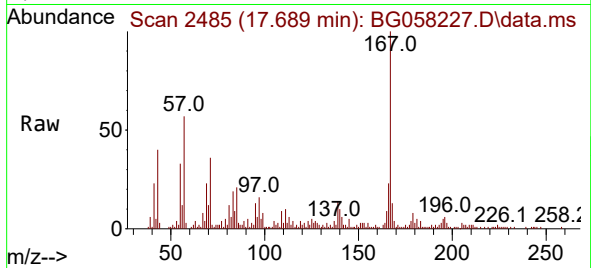




#77
 Carbazole
 Concen: 2.056 ng/ul
 RT: 17.689 min Scan# 2485
 Delta R.T. -0.005 min
 Lab File: BG058227.D
 Acq: 14 Jul 2023 12:12

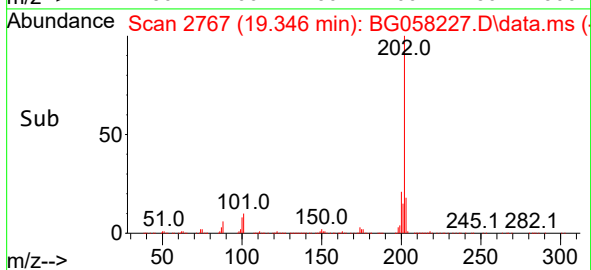
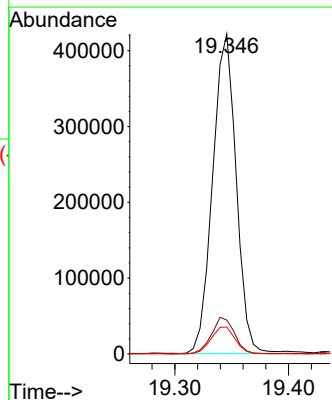
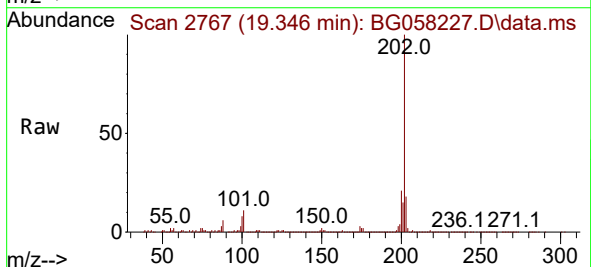
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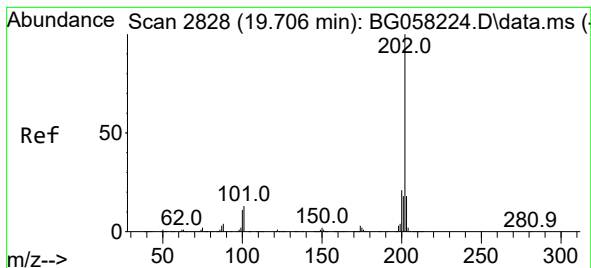
Tgt Ion:167 Resp: 48475
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.5 26.3
 139 13.9 9.5 14.3



#80
 Fluoranthene
 Concen: 18.914 ng/ul
 RT: 19.346 min Scan# 2767
 Delta R.T. 0.001 min
 Lab File: BG058227.D
 Acq: 14 Jul 2023 12:12

Tgt Ion:202 Resp: 606603
 Ion Ratio Lower Upper
 202 100
 101 10.6 9.1 13.7
 100 8.5 7.1 10.7





#82

Pyrene

Concen: 10.861 ng/ul

RT: 19.704 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG058227.D

Acq: 14 Jul 2023 12:12

Instrument :

BNA_G

ClientSampleId :

A4643

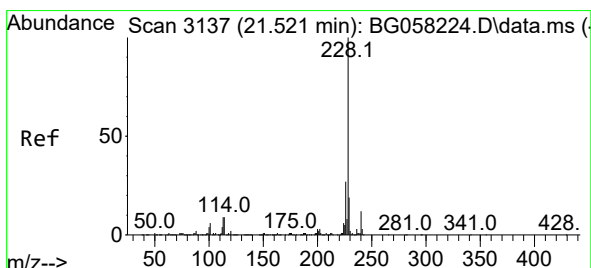
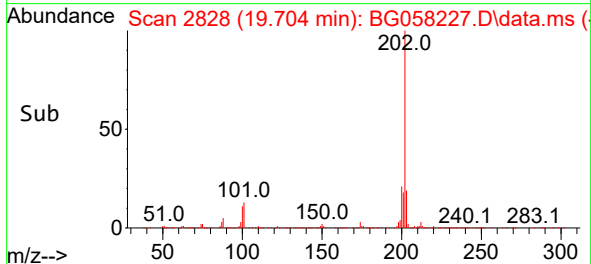
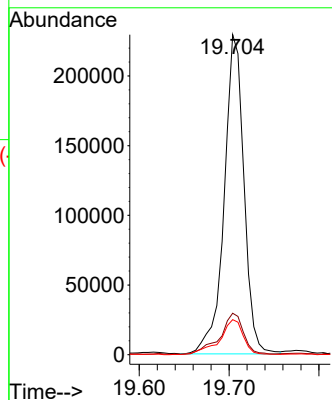
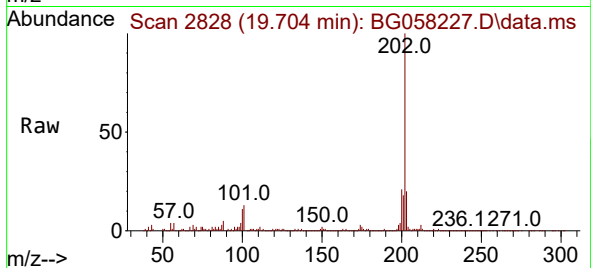
Tgt Ion:202 Resp: 350644

Ion Ratio Lower Upper

202 100

101 12.9 10.2 15.2

100 11.0 8.9 13.3



#85

Benzo(a)anthracene

Concen: 8.020 ng/ul

RT: 21.525 min Scan# 3138

Delta R.T. 0.001 min

Lab File: BG058227.D

Acq: 14 Jul 2023 12:12

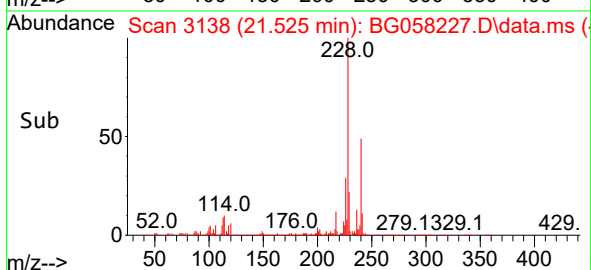
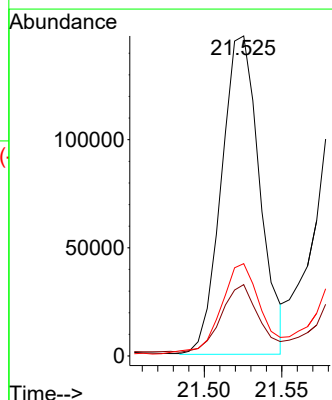
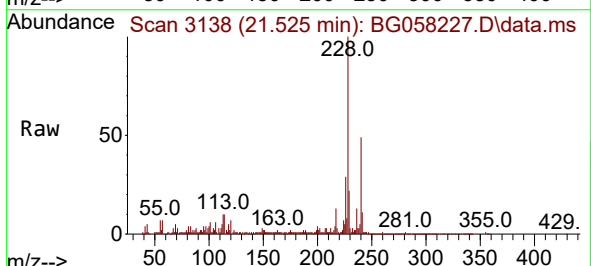
Tgt Ion:228 Resp: 253062

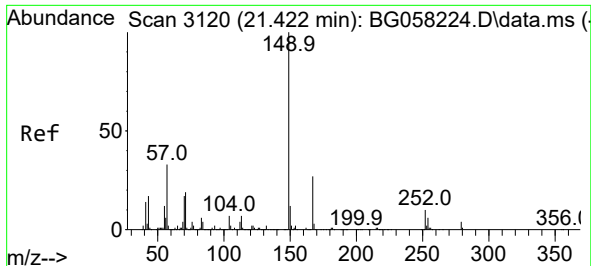
Ion Ratio Lower Upper

228 100

229 22.3 16.0 24.0

226 28.8 22.0 33.0

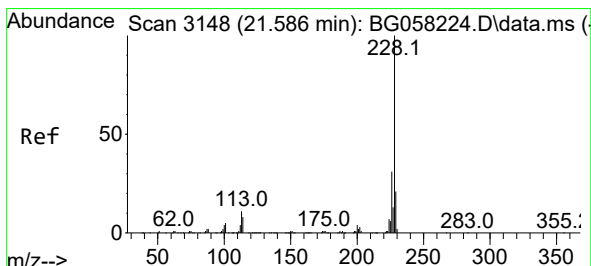
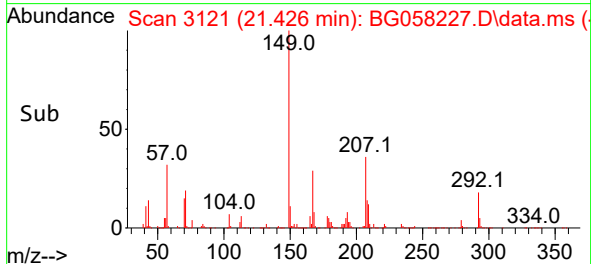
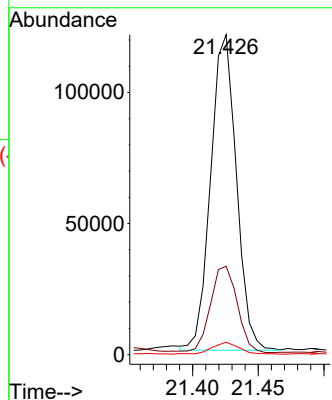
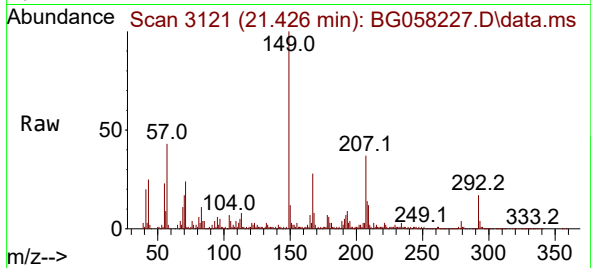




#86
Bis(2-ethylhexyl)phthalate
Concen: 8.748 ng/ul
RT: 21.426 min Scan# 3120
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

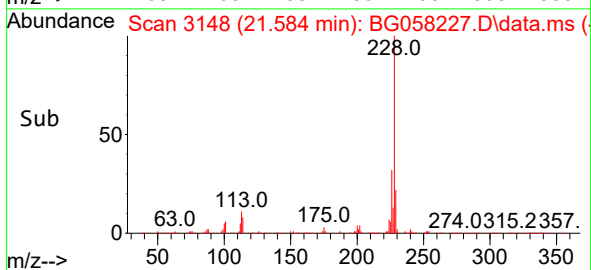
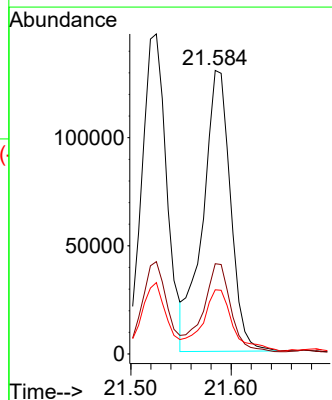
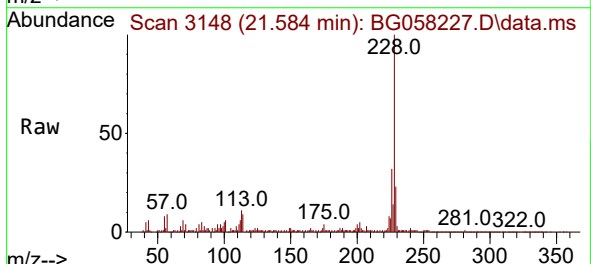
Instrument :
BNA_G
ClientSampleId :
A4643

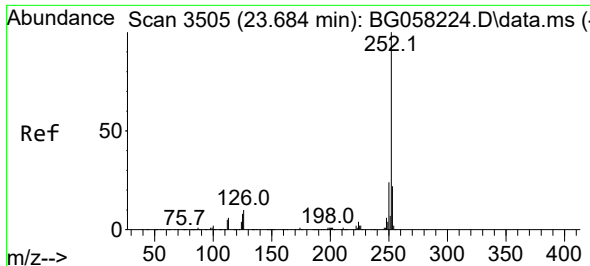
Tgt Ion:149 Resp: 164113
Ion Ratio Lower Upper
149 100
167 27.6 20.9 31.3
279 3.9 3.1 4.7



#87
Chrysene
Concen: 8.426 ng/ul
RT: 21.584 min Scan# 3148
Delta R.T. -0.005 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

Tgt Ion:228 Resp: 249237
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 22.6 15.5 23.3

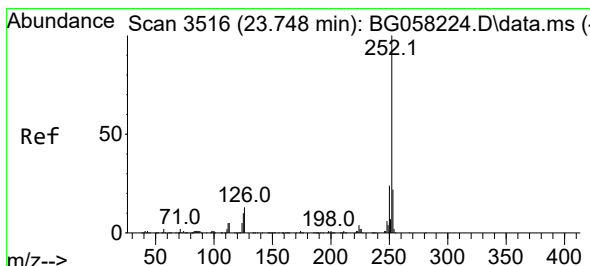
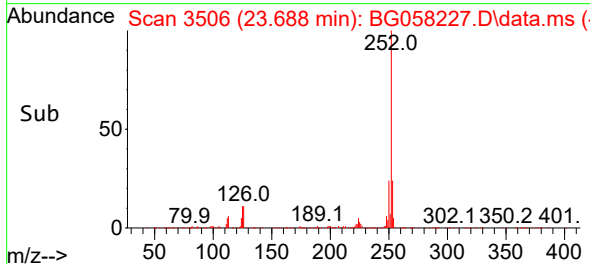
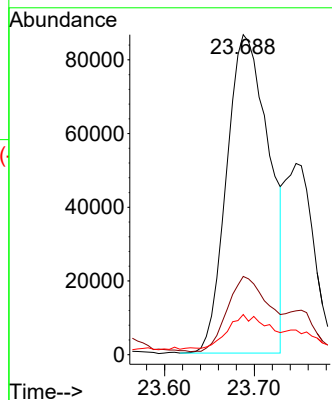
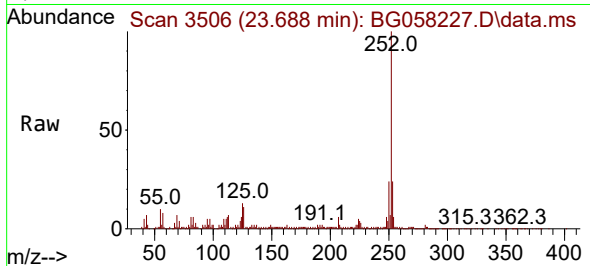




#90
Benzo(b)fluoranthene
Concen: 8.278 ng/ul
RT: 23.688 min Scan# 3506
Delta R.T. 0.001 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

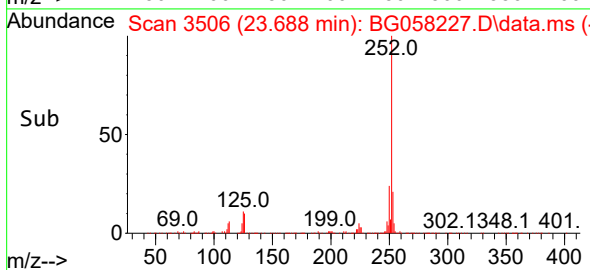
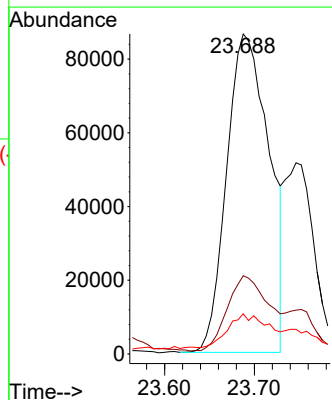
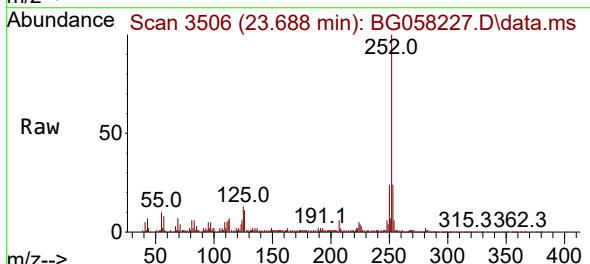
Instrument :
BNA_G
ClientSampleId :
A4643

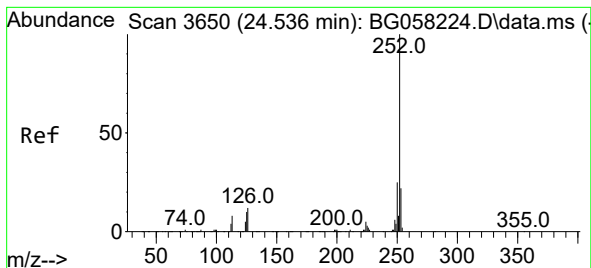
Tgt Ion:252 Resp: 283788
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 12.6 7.5 11.3#



#91
Benzo(k)fluoranthene
Concen: 8.446 ng/ul
RT: 23.688 min Scan# 3506
Delta R.T. -0.064 min
Lab File: BG058227.D
Acq: 14 Jul 2023 12:12

Tgt Ion:252 Resp: 283788
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 12.6 7.4 11.2#





#93

Benzo(a)pyrene

Concen: 2.788 ng/ul

RT: 24.540 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG058227.D

Acq: 14 Jul 2023 12:12

Instrument :

BNA_G

ClientSampleId :

A4643

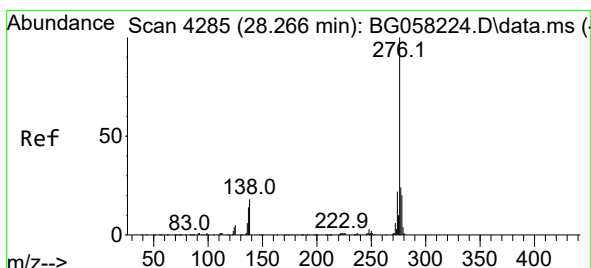
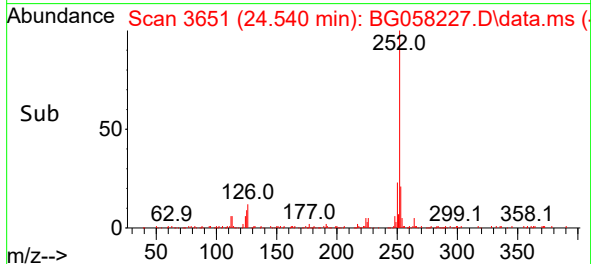
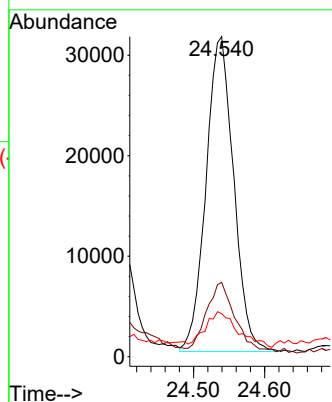
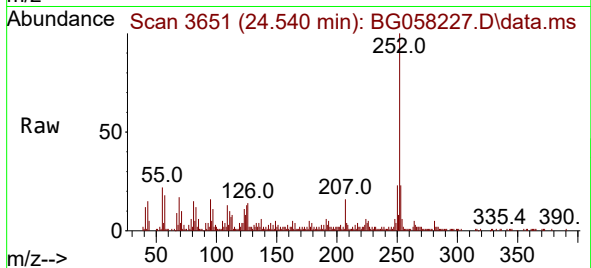
Tgt Ion:252 Resp: 84604

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 13.5 8.3 12.5#



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.013 ng/ul

RT: 28.265 min Scan# 4285

Delta R.T. -0.005 min

Lab File: BG058227.D

Acq: 14 Jul 2023 12:12

Tgt Ion:276 Resp: 81128

Ion Ratio Lower Upper

276 100

138 19.1 14.0 21.0

277 25.2 19.4 29.2

