

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040856.D
 Acq On : 13 Jul 2023 19:14
 Operator : MA/JU
 Sample : 03418-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46K0

Quant Time: Jul 14 03:17:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

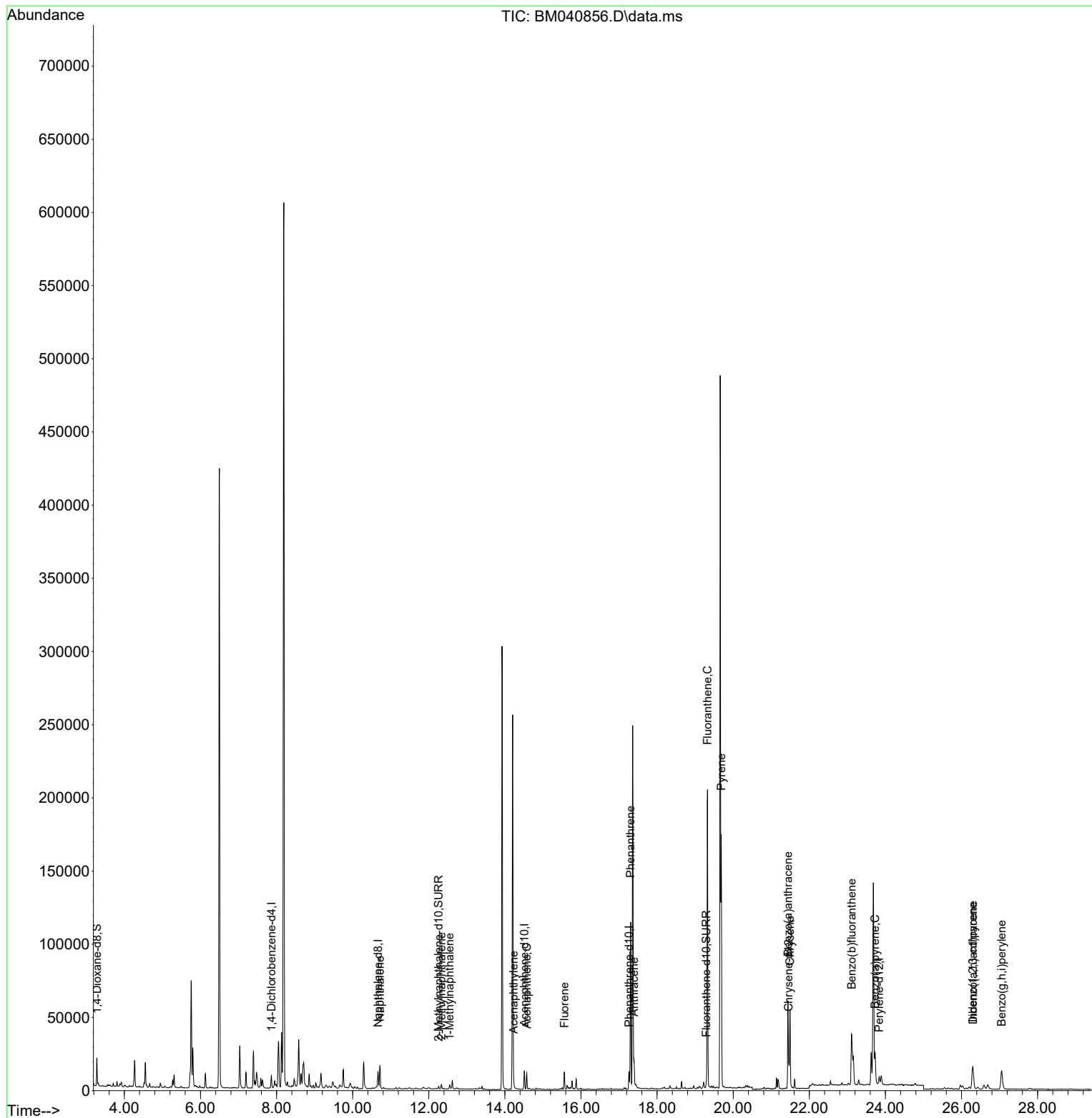
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	4080	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	14596	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.513	164	6762	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.261	188	13677	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	8110	0.400	ng/ul	0.00
23) Perylene-d12	23.836	264	7200	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	10443	1.629	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	2294	0.112	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	4125	0.159	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.719	128	21452	0.533	ng/ul	100
7) 2-Methylnaphthalene	12.335	142	2252	0.095	ng/ul	99
8) 1-Methylnaphthalene	12.550	142	1784	0.075	ng/ul	97
10) Acenaphthylene	14.231	152	2165	0.072	ng/ul#	82
11) Acenaphthene	14.574	153	6048	0.237	ng/ul	98
12) Fluorene	15.564	166	7290	0.268	ng/ul	100
15) Phenanthrene	17.303	178	113702	2.676	ng/ul	98
16) Anthracene	17.396	178	14539	0.407	ng/ul	99
19) Fluoranthene	19.324	202	164678	4.780	ng/ul	95
20) Pyrene	19.687	202	131730	3.567	ng/ul	99
21) Benzo(a)anthracene	21.439	228	49578	1.807	ng/ul	99
22) Chrysene	21.492	228	54327	1.736	ng/ul	98
24) Benzo(b)fluoranthene	23.111	252	60467	2.170	ng/ul	93
26) Benzo(a)pyrene	23.728	252	27250	1.086	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.294	276	27806	0.795	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.304	278	6380	0.233	ng/ul#	88
29) Benzo(g,h,i)perylene	27.055	276	26814	0.875	ng/ul	97

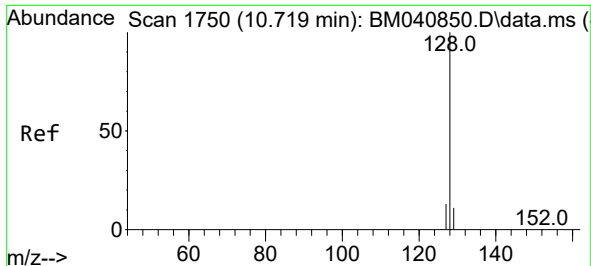
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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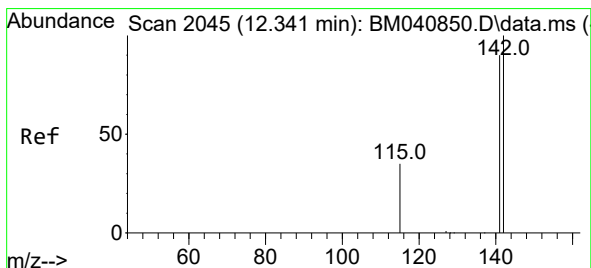
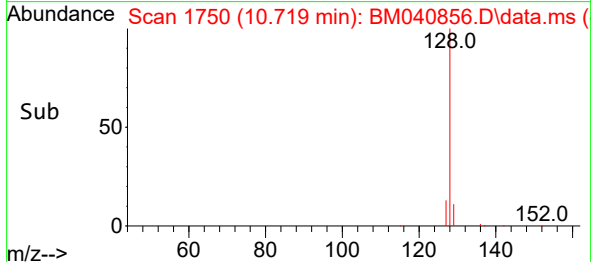
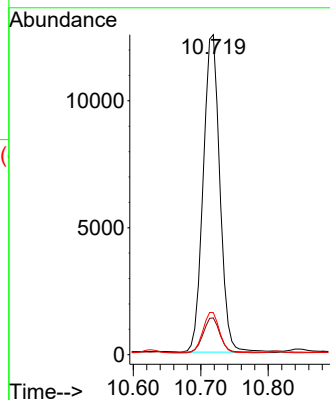
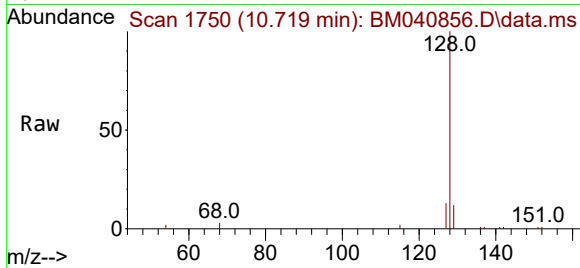




#5
Naphthalene
Concen: 0.533 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

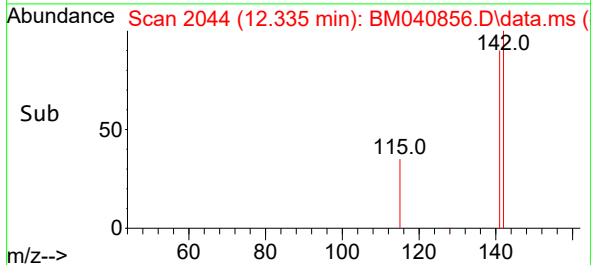
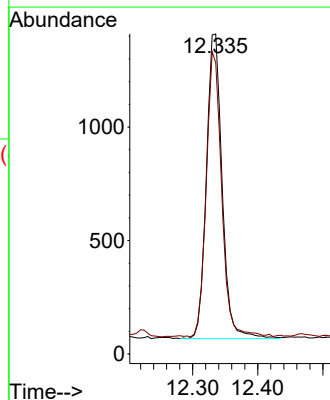
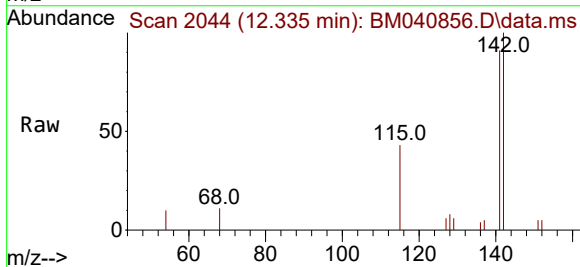
Instrument :
BNA_M
ClientSampleId :
A46K0

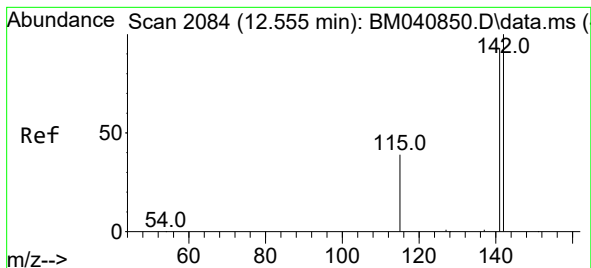
Tgt Ion:128 Resp: 21452
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.2 10.6 15.8



#7
2-Methylnaphthalene
Concen: 0.095 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.005 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

Tgt Ion:142 Resp: 2252
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.075 ng/ul

RT: 12.550 min Scan# 2084

Delta R.T. -0.005 min

Lab File: BM040856.D

Acq: 13 Jul 2023 19:14

Instrument :

BNA_M

ClientSampleId :

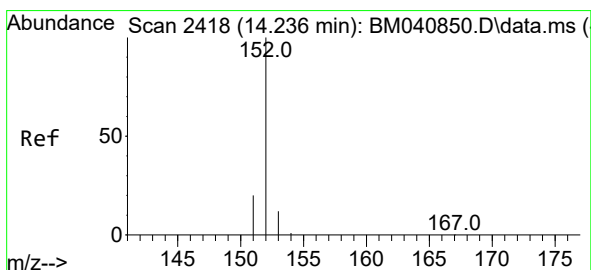
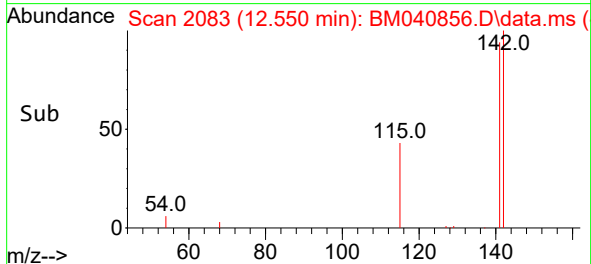
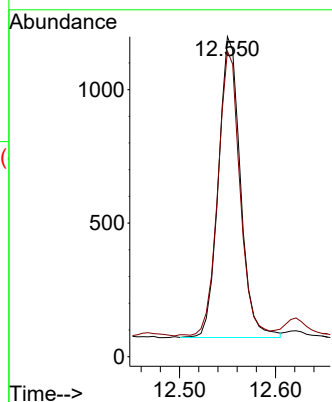
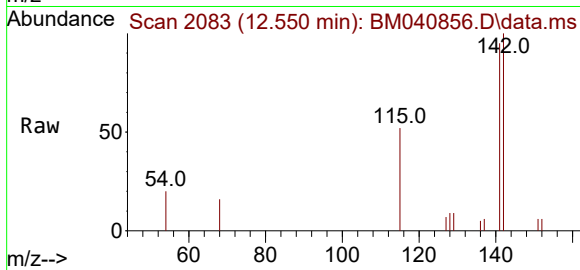
A46K0

Tgt Ion:142 Resp: 1784

Ion Ratio Lower Upper

142 100

141 95.0 73.7 110.5



#10

Acenaphthylene

Concen: 0.072 ng/ul

RT: 14.231 min Scan# 2417

Delta R.T. -0.005 min

Lab File: BM040856.D

Acq: 13 Jul 2023 19:14

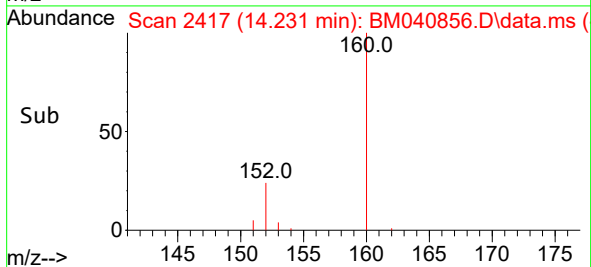
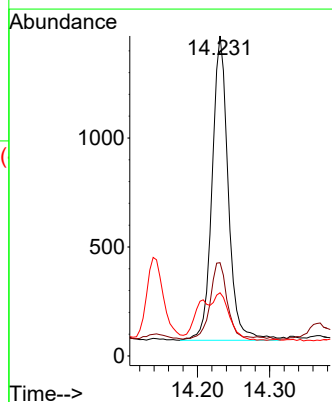
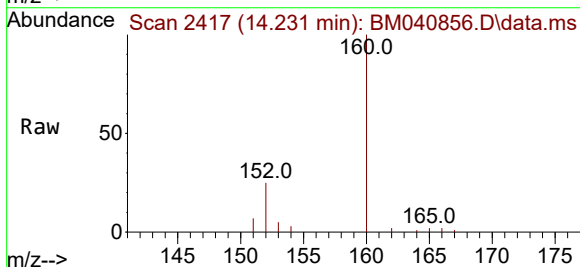
Tgt Ion:152 Resp: 2165

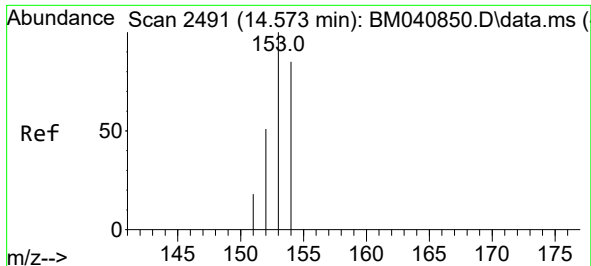
Ion Ratio Lower Upper

152 100

151 29.2 16.2 24.2#

153 19.8 10.9 16.3#

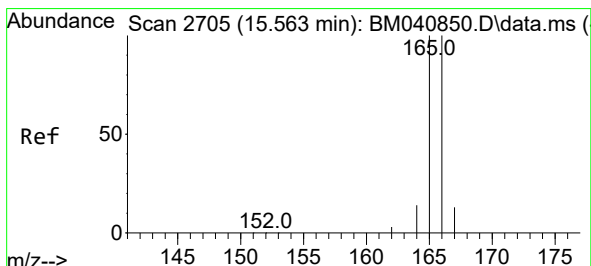
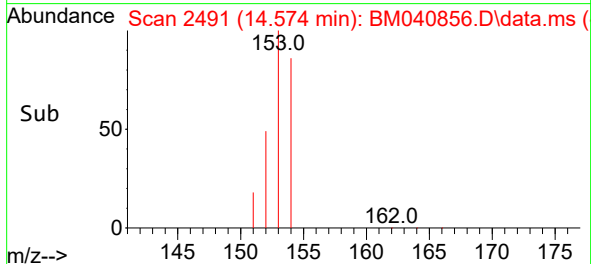
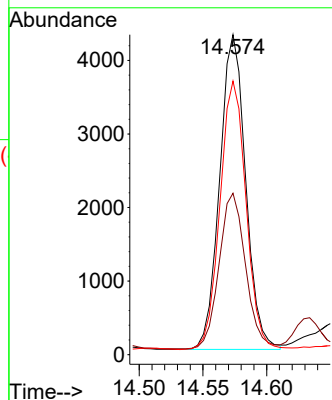
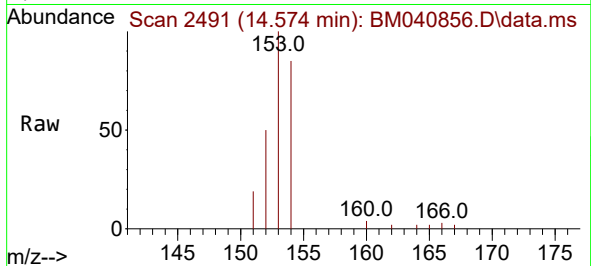




#11
Acenaphthene
Concen: 0.237 ng/ul
RT: 14.574 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

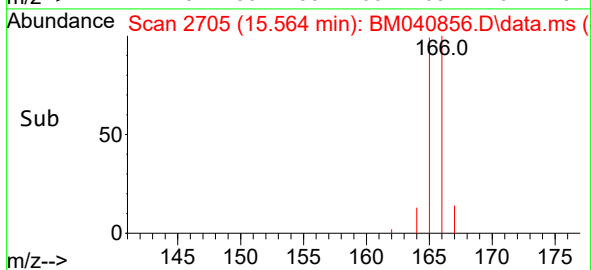
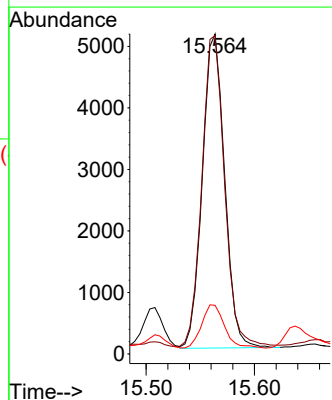
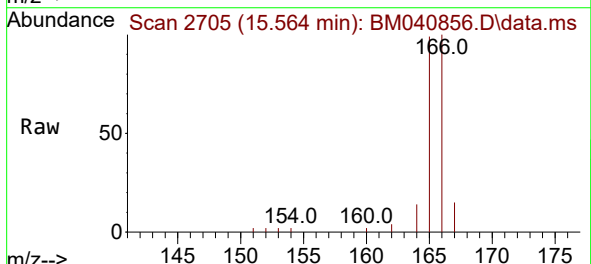
Instrument :
BNA_M
ClientSampleId :
A46K0

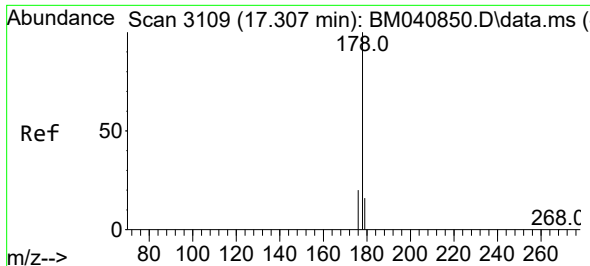
Tgt Ion:153 Resp: 6048
Ion Ratio Lower Upper
153 100
152 50.4 41.0 61.4
154 85.5 70.8 106.2



#12
Fluorene
Concen: 0.268 ng/ul
RT: 15.564 min Scan# 2705
Delta R.T. 0.000 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

Tgt Ion:166 Resp: 7290
Ion Ratio Lower Upper
166 100
165 99.5 79.6 119.4
167 15.2 11.4 17.0

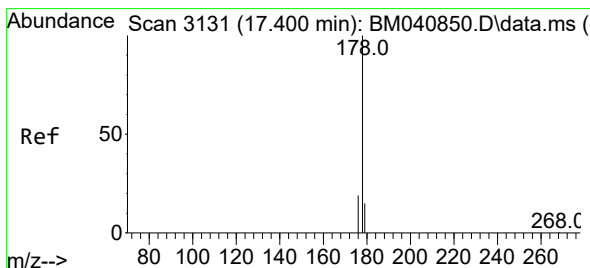
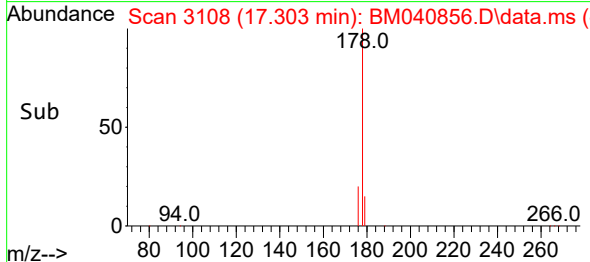
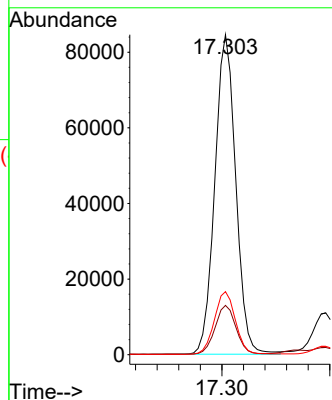
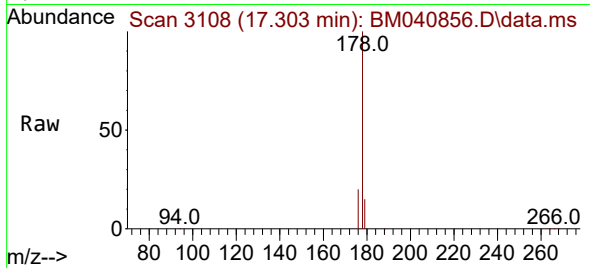




#15
Phenanthrene
Concen: 2.676 ng/ul
RT: 17.303 min Scan# 3108
Delta R.T. -0.004 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

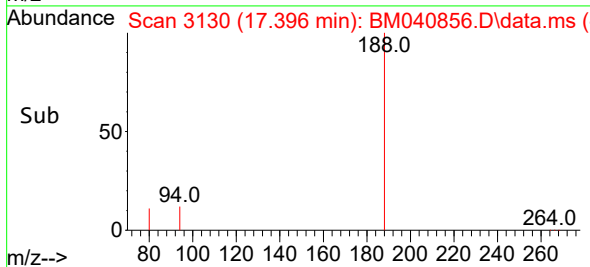
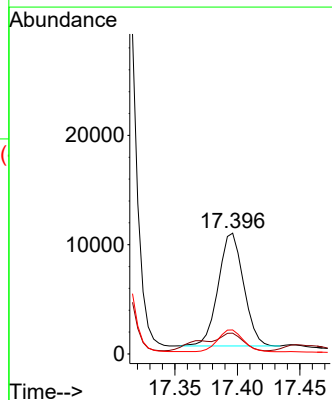
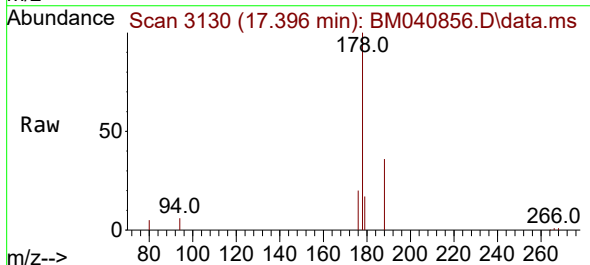
Instrument :
BNA_M
ClientSampleId :
A46K0

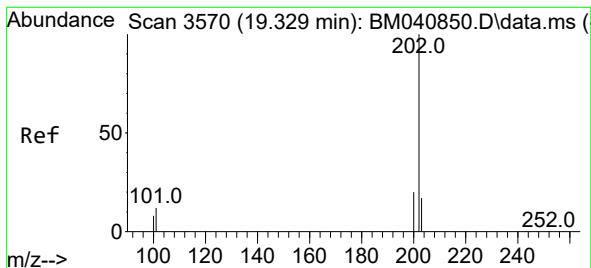
Tgt Ion:178 Resp: 113702
Ion Ratio Lower Upper
178 100
179 15.4 12.8 19.2
176 19.7 16.4 24.6



#16
Anthracene
Concen: 0.407 ng/ul
RT: 17.396 min Scan# 3130
Delta R.T. -0.004 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

Tgt Ion:178 Resp: 14539
Ion Ratio Lower Upper
178 100
179 17.2 12.9 19.3
176 19.9 15.8 23.6





#19

Fluoranthene

Concen: 4.780 ng/ul

RT: 19.324 min Scan# 3569

Delta R.T. -0.005 min

Lab File: BM040856.D

Acq: 13 Jul 2023 19:14

Instrument :

BNA_M

ClientSampleId :

A46K0

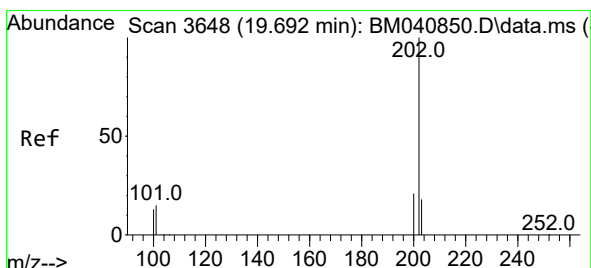
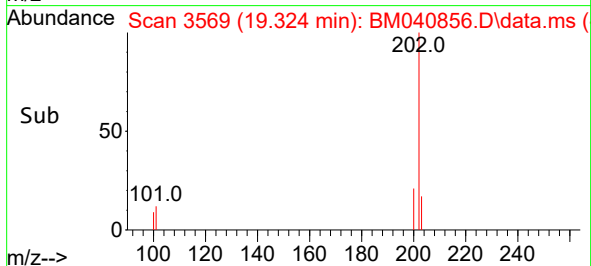
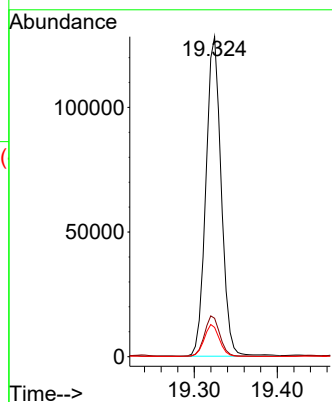
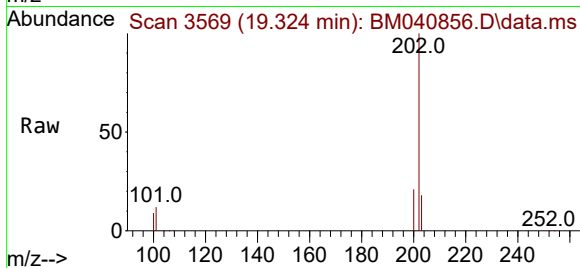
Tgt Ion:202 Resp: 164678

Ion Ratio Lower Upper

202 100

101 12.0 11.4 17.0

100 9.1 8.7 13.1



#20

Pyrene

Concen: 3.567 ng/ul

RT: 19.687 min Scan# 3647

Delta R.T. -0.005 min

Lab File: BM040856.D

Acq: 13 Jul 2023 19:14

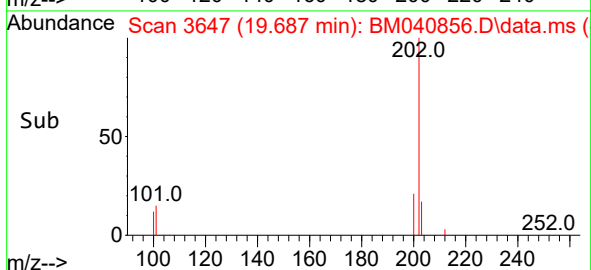
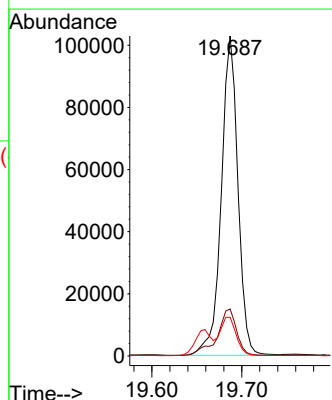
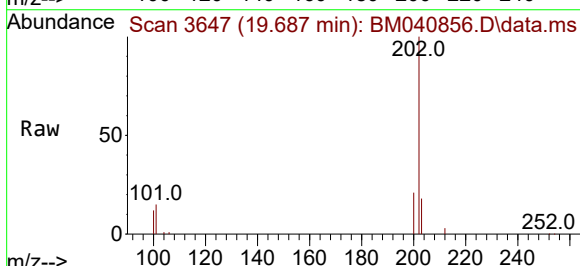
Tgt Ion:202 Resp: 131730

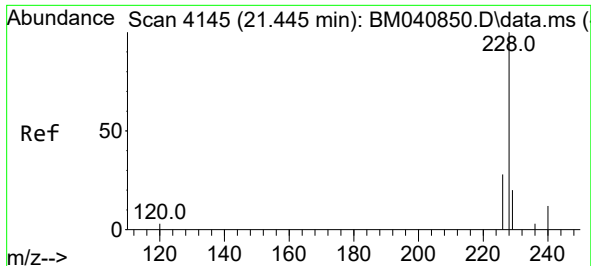
Ion Ratio Lower Upper

202 100

101 14.7 12.6 18.8

100 12.1 9.8 14.6

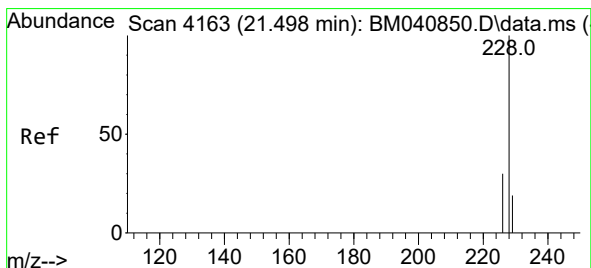
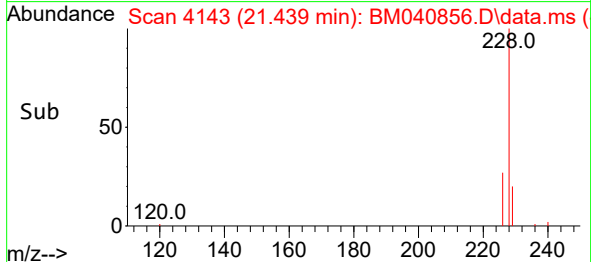
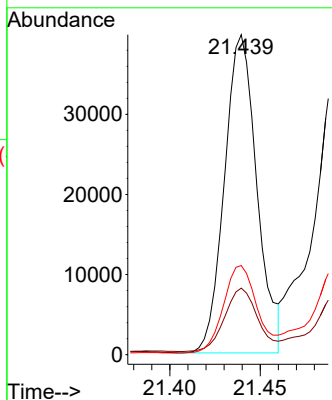
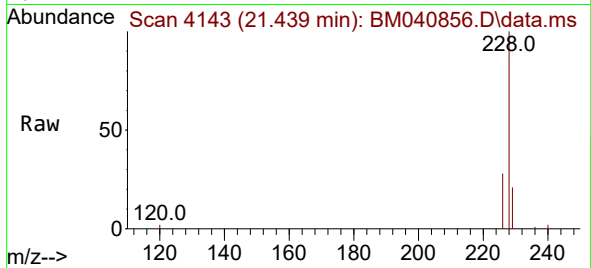




#21
Benzo(a)anthracene
Concen: 1.807 ng/ul
RT: 21.439 min Scan# 4143
Delta R.T. -0.006 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

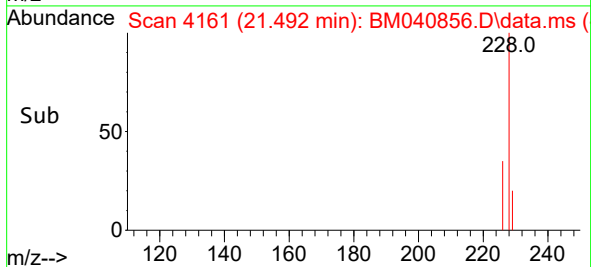
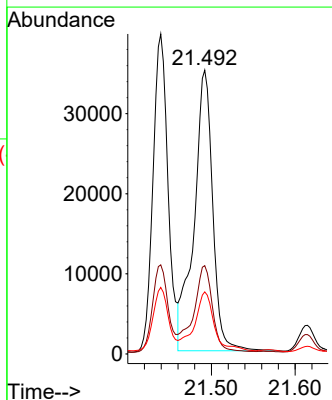
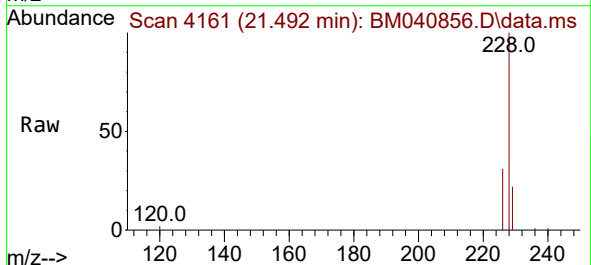
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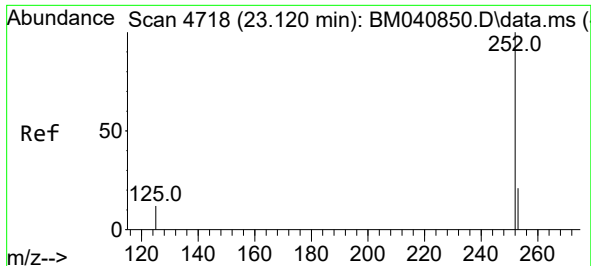
Tgt Ion:228 Resp: 49578
Ion Ratio Lower Upper
228 100
229 20.8 16.0 24.0
226 27.9 22.3 33.5



#22
Chrysene
Concen: 1.736 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. -0.006 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

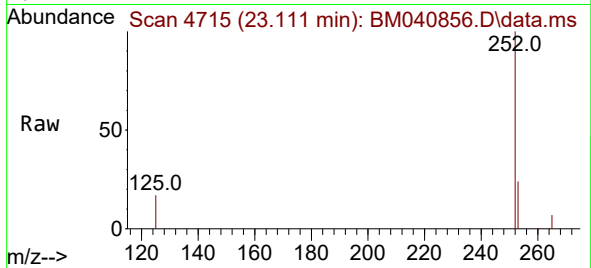
Tgt Ion:228 Resp: 54327
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 21.9 15.8 23.6



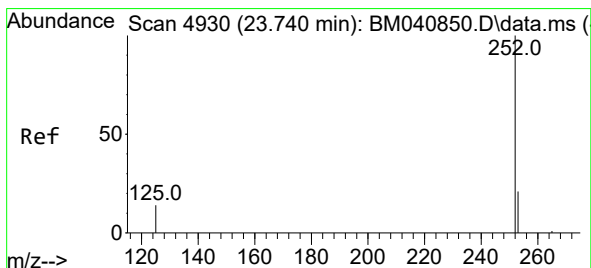
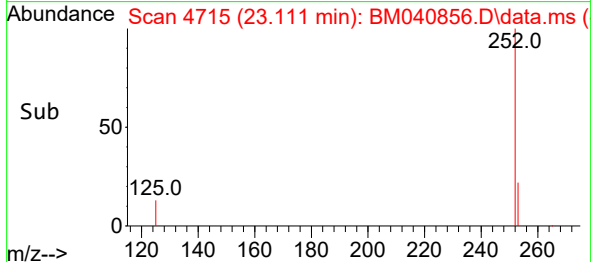
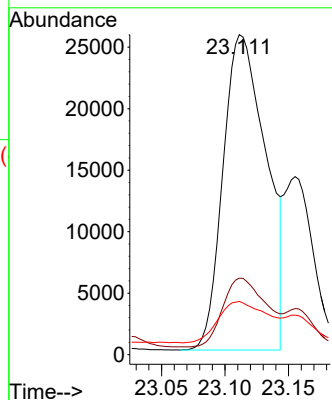


#24
Benzo(b)fluoranthene
Concen: 2.170 ng/ul
RT: 23.111 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

Instrument :
BNA_M
ClientSampleId :
A46K0

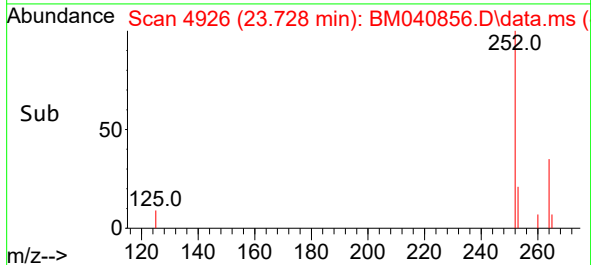
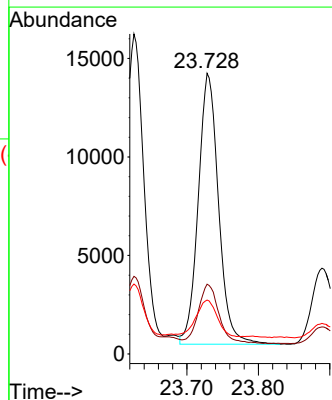
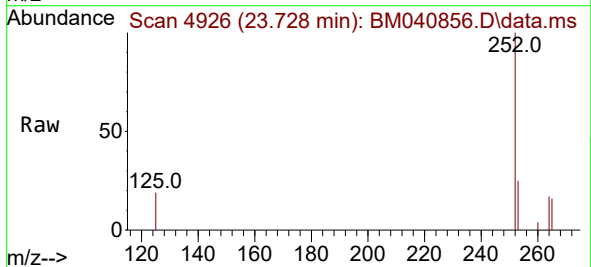


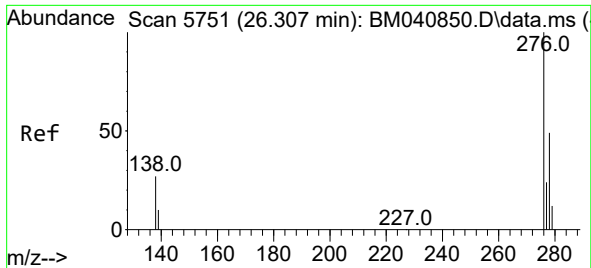
Tgt Ion:252 Resp: 60467
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 16.6 0.0 43.0



#26
Benzo(a)pyrene
Concen: 1.086 ng/ul
RT: 23.728 min Scan# 4926
Delta R.T. -0.012 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

Tgt Ion:252 Resp: 27250
Ion Ratio Lower Upper
252 100
253 24.9 22.9 34.3
125 19.2 21.0 31.4#

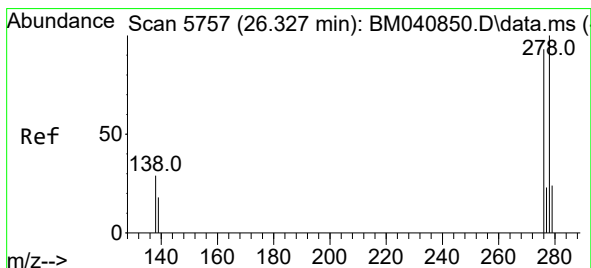
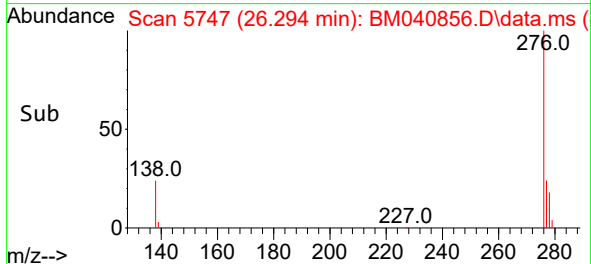
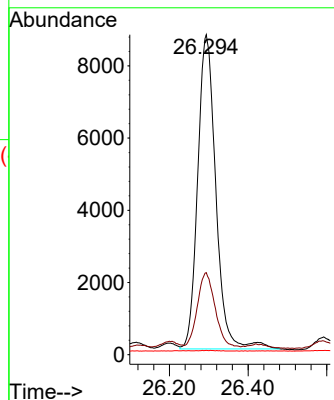
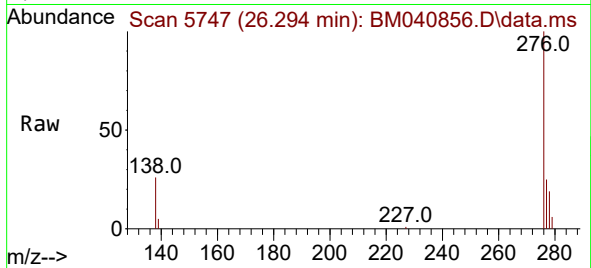




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.795 ng/ul
 RT: 26.294 min Scan# 5747
 Delta R.T. -0.013 min
 Lab File: BM040856.D
 Acq: 13 Jul 2023 19:14

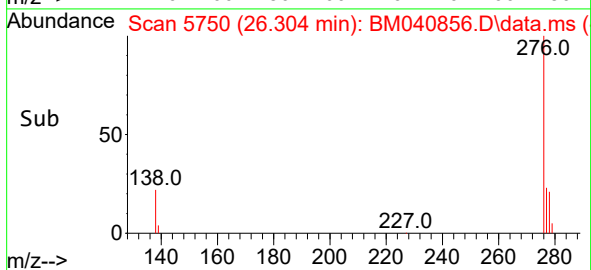
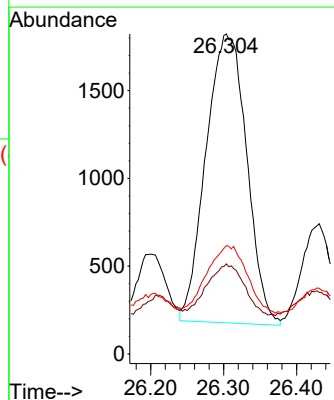
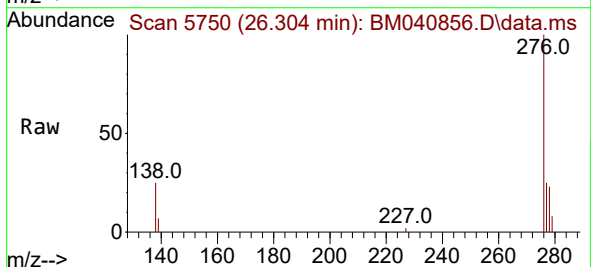
Instrument :
 BNA_M
 ClientSampleId :
 A46K0

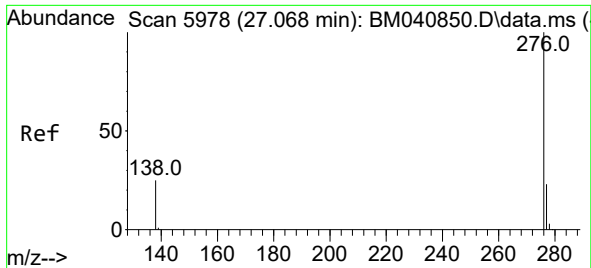
Tgt Ion:276 Resp: 27806
 Ion Ratio Lower Upper
 276 100
 138 23.3 24.5 36.7#
 227 0.0 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.233 ng/ul
 RT: 26.304 min Scan# 5750
 Delta R.T. -0.023 min
 Lab File: BM040856.D
 Acq: 13 Jul 2023 19:14

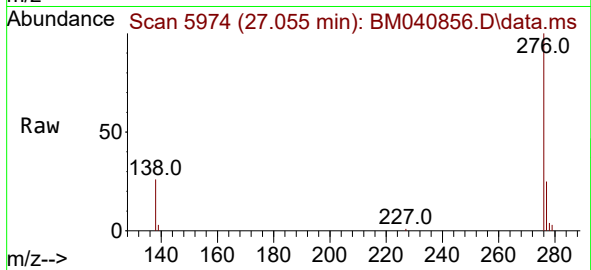
Tgt Ion:278 Resp: 6380
 Ion Ratio Lower Upper
 278 100
 139 28.1 17.9 26.9#
 279 33.8 22.0 33.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.875 ng/ul
 RT: 27.055 min Scan# 5974
 Delta R.T. -0.013 min
 Lab File: BM040856.D
 Acq: 13 Jul 2023 19:14

Instrument :
 BNA_M
 ClientSampleId :
 A46K0



Tgt Ion:	276	Resp:	26814
Ion	Ratio	Lower	Upper
276	100		
138	26.0	23.0	34.6
277	25.2	20.3	30.5

