

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044106.D
 Acq On : 15 Feb 2024 17:56
 Operator : MA/JU
 Sample : P1329-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FL5

Quant Time: Feb 15 23:31:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
 Response via : Initial Calibration

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

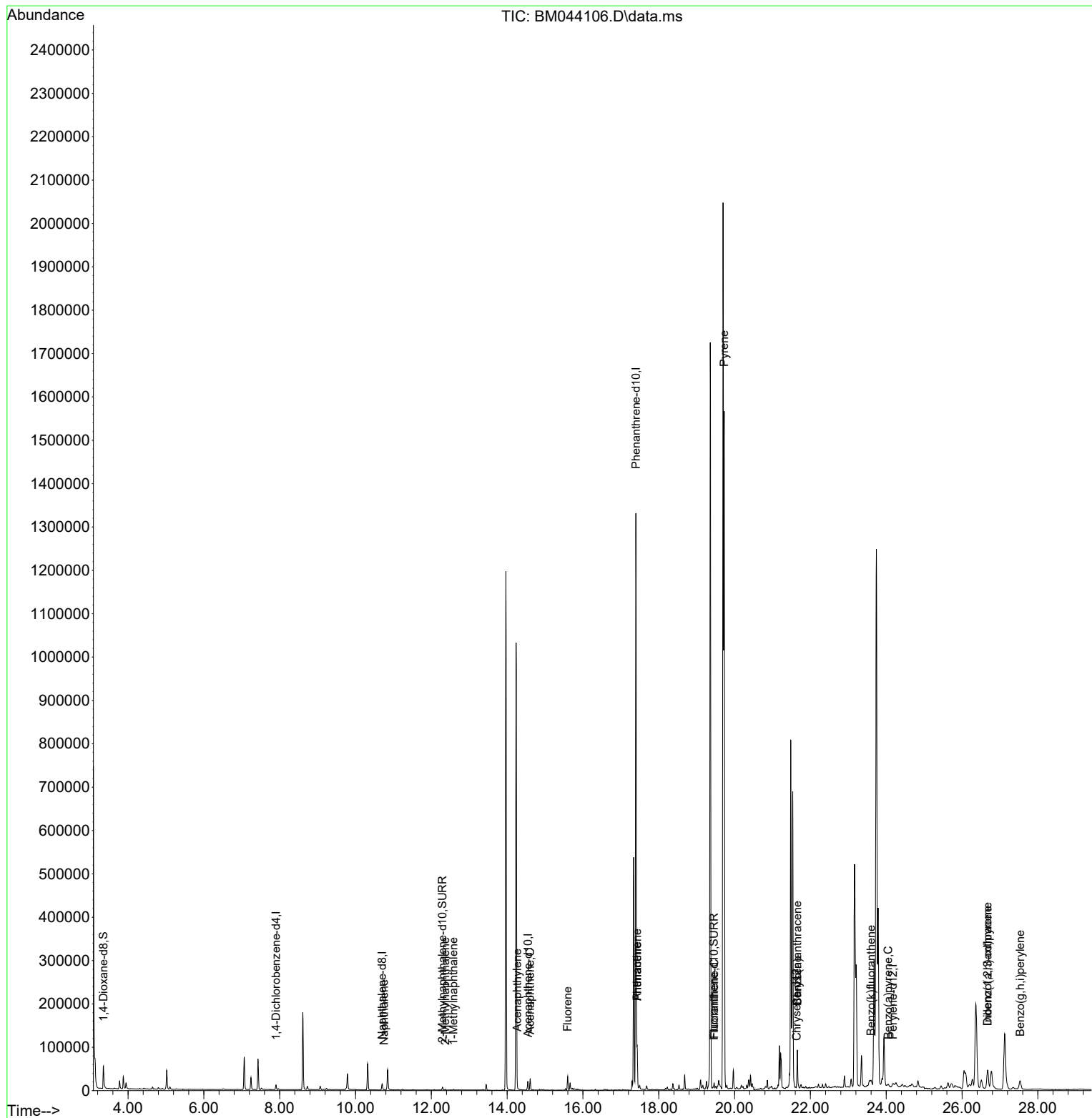
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	5460	0.400	ng/ul	0.00
4) Naphthalene-d8	10.704	136	19343	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.547	164	10788	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.398	188	1495003	0.400	ng/ul	# 0.10
17) Chrysene-d12	21.634	240	126	0.400	ng/ul	# 0.13
23) Perylene-d12	24.174	264	3716	0.400	ng/ul	# 0.28
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	37923	4.905	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	8881	0.328	ng/ul	0.00
18) Fluoranthene-d10	19.452	212	65	0.173	ng/ul	0.12
Target Compounds						Qvalue
5) Naphthalene	10.754	128	1806	0.031	ng/ul#	78
7) 2-Methylnaphthalene	12.371	142	1261	0.036	ng/ul	98
8) 1-Methylnaphthalene	12.585	142	1084	0.030	ng/ul	99
10) Acenaphthylene	14.265	152	2506	0.042	ng/ul#	84
11) Acenaphthene	14.607	153	15019	0.349	ng/ul	99
12) Fluorene	15.597	166	19612	0.405	ng/ul	99
15) Phenanthrene	17.431	178	96046	0.020	ng/ul	98
16) Anthracene	17.431	178	94670	0.020	ng/ul	99
19) Fluoranthene	19.461	202	2457	4.277	ng/ul#	69
20) Pyrene	19.726	202	1260993	2087.370	ng/ul	97
21) Benzo(a)anthracene	21.655	228	43700	75.733	ng/ul#	56
22) Chrysene	21.655	228	66748	107.289	ng/ul#	60
25) Benzo(k)fluoranthene	23.598	252	14469	0.869	ng/ul#	1
26) Benzo(a)pyrene	24.052	252	971	0.068	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.672	276	18344	1.011	ng/ul#	37
28) Dibenzo(a,h)anthracene	26.675	278	68155	4.769	ng/ul	97
29) Benzo(g,h,i)perylene	27.533	276	41934	2.613	ng/ul#	86

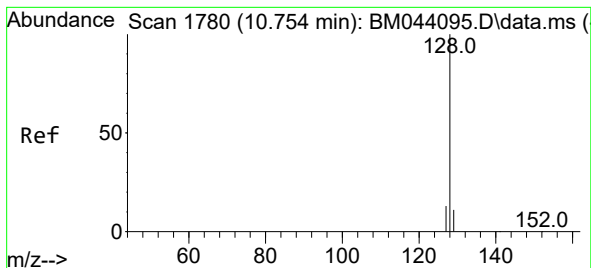
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.031 ng/ul

RT: 10.754 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044106.D

Acq: 15 Feb 2024 17:56

Instrument :

BNA_M

ClientSampleId :

C0FL5

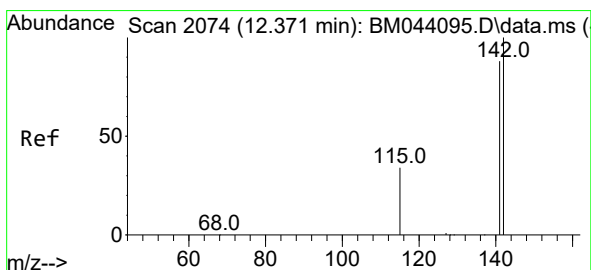
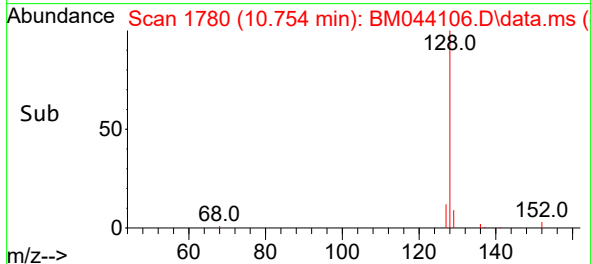
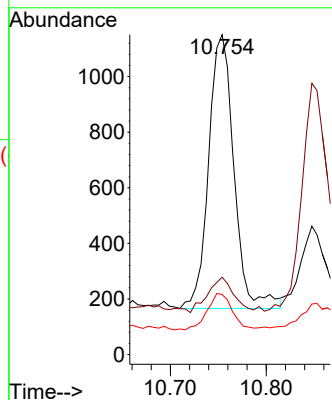
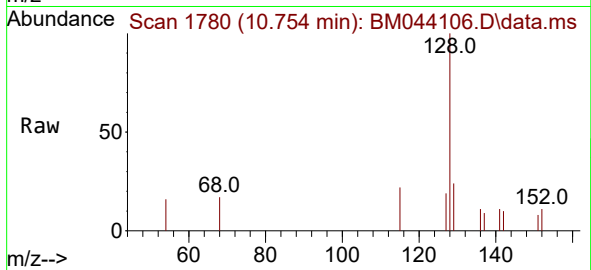
Tgt Ion:128 Resp: 1806

Ion Ratio Lower Upper

128 100

129 24.2 9.5 14.3#

127 18.8 10.7 16.1#



#7

2-Methylnaphthalene

Concen: 0.036 ng/ul

RT: 12.371 min Scan# 2074

Delta R.T. 0.000 min

Lab File: BM044106.D

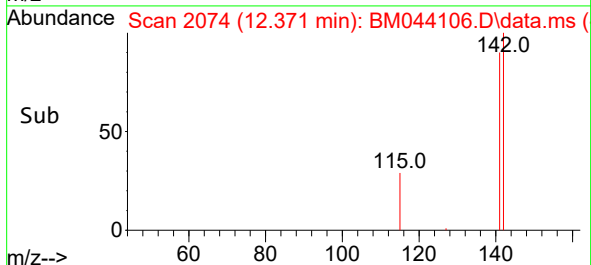
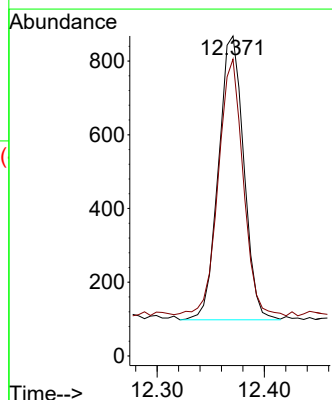
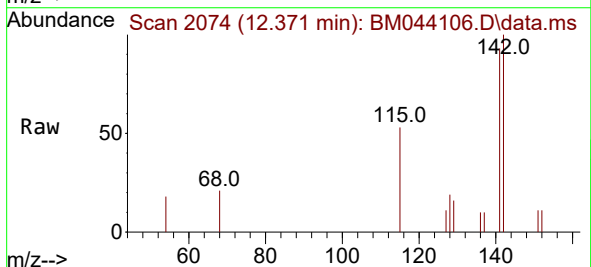
Acq: 15 Feb 2024 17:56

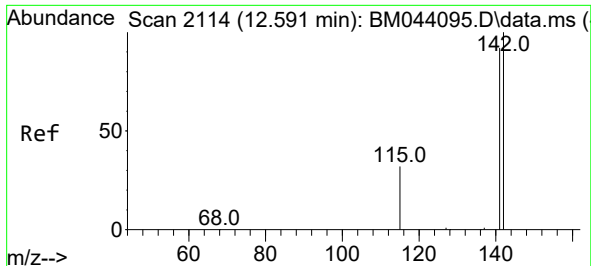
Tgt Ion:142 Resp: 1261

Ion Ratio Lower Upper

142 100

141 89.1 70.0 105.0

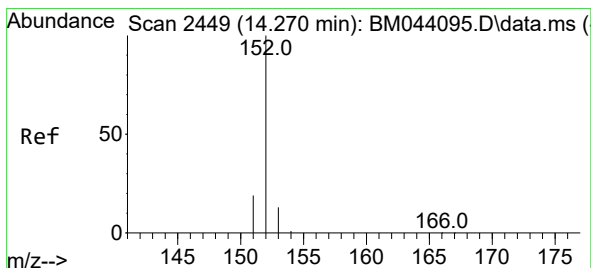
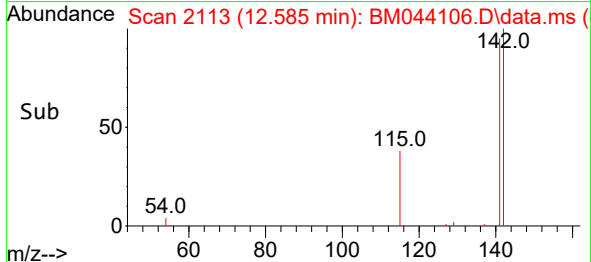
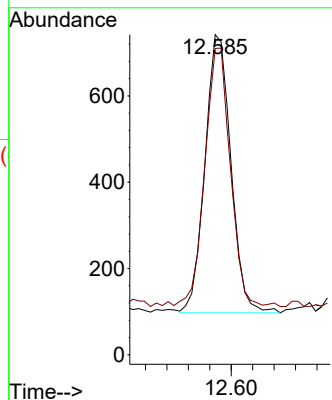
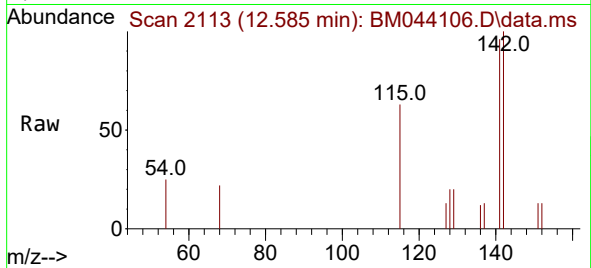




#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.585 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

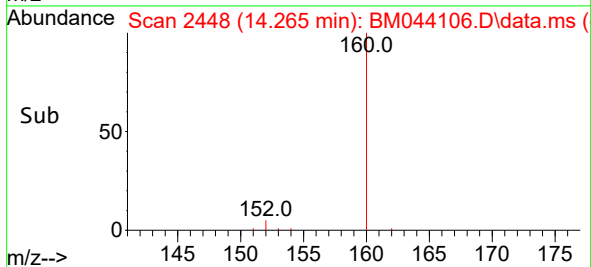
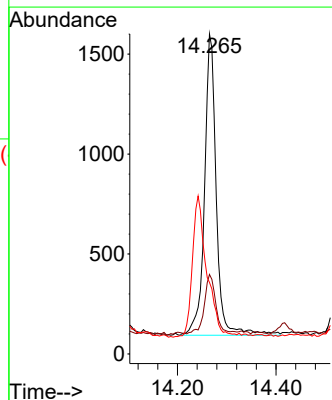
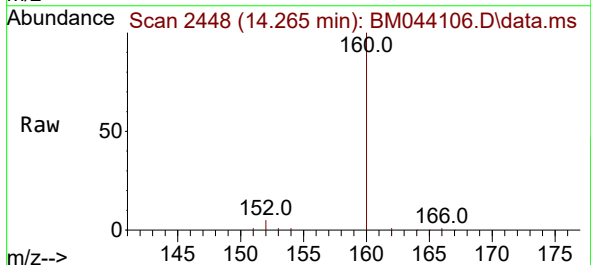
Instrument :
BNA_M
ClientSampleId :
C0FL5

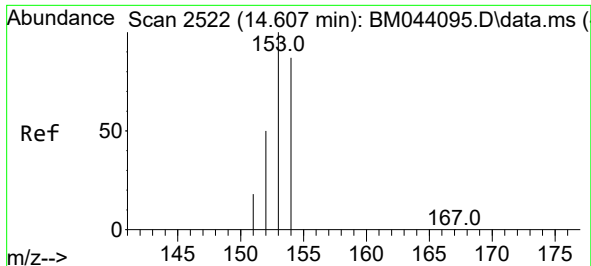
Tgt Ion:142 Resp: 1084
Ion Ratio Lower Upper
142 100
141 91.8 72.5 108.7



#10
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.265 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Tgt Ion:152 Resp: 2506
Ion Ratio Lower Upper
152 100
151 24.9 15.5 23.3#
153 22.4 10.8 16.2#

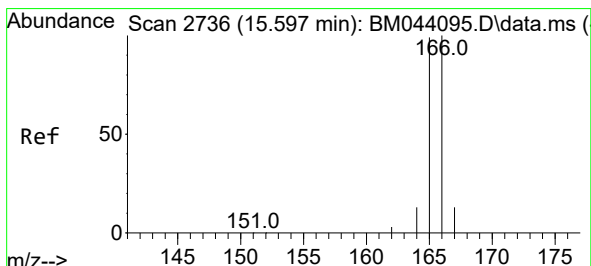
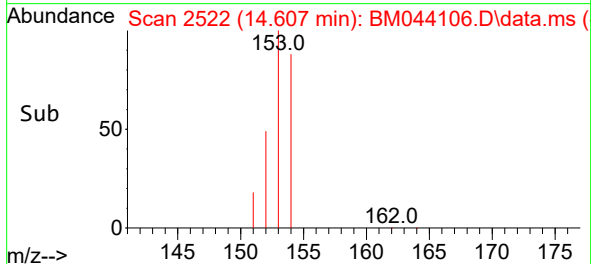
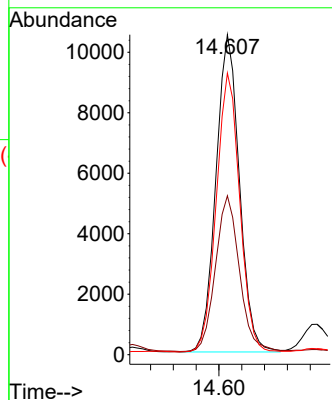
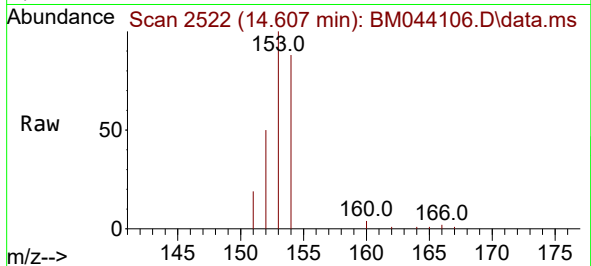




#11
Acenaphthene
Concen: 0.349 ng/ul
RT: 14.607 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

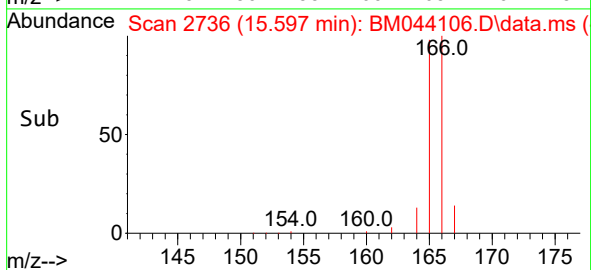
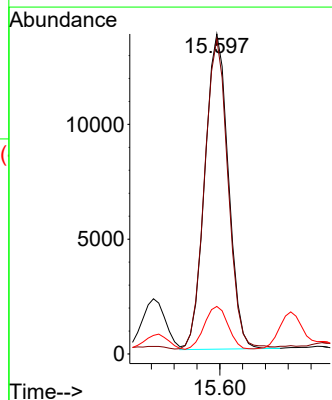
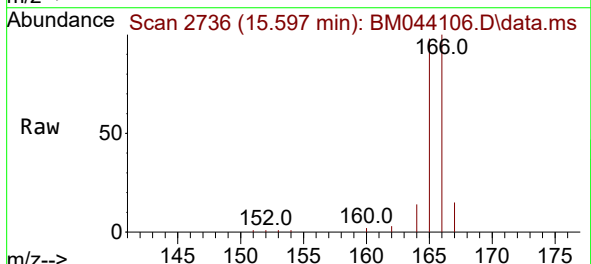
Instrument :
BNA_M
ClientSampleId :
C0FL5

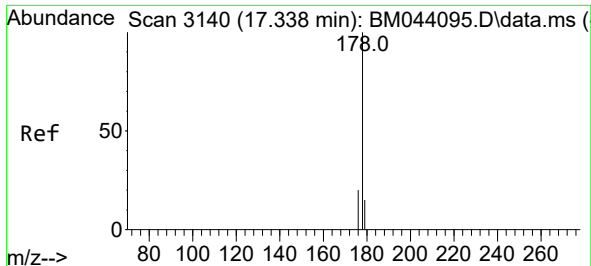
Tgt Ion:153 Resp: 15019
Ion Ratio Lower Upper
153 100
152 49.7 40.6 61.0
154 88.0 70.1 105.1



#12
Fluorene
Concen: 0.405 ng/ul
RT: 15.597 min Scan# 2736
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Tgt Ion:166 Resp: 19612
Ion Ratio Lower Upper
166 100
165 98.4 79.8 119.6
167 14.9 11.1 16.7

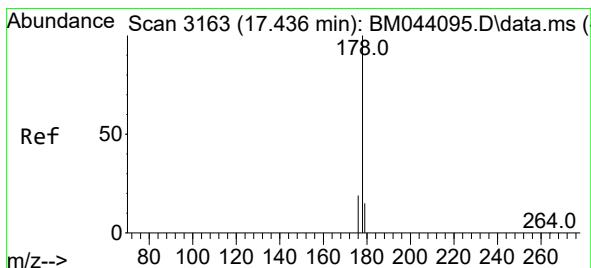
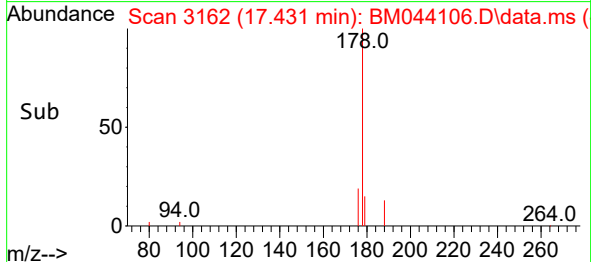
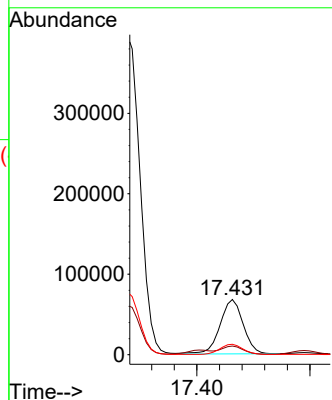
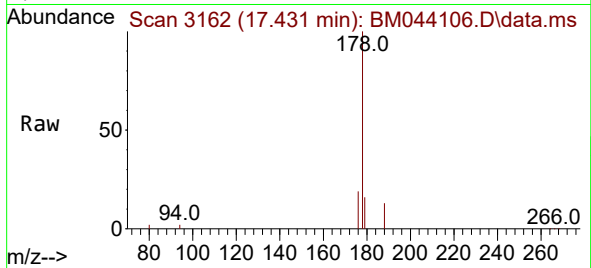




#15
Phenanthrene
Concen: 0.020 ng/ul
RT: 17.431 min Scan# 3140
Delta R.T. 0.093 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

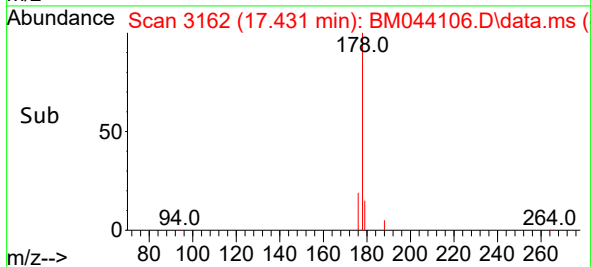
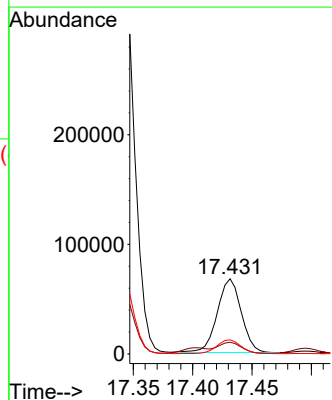
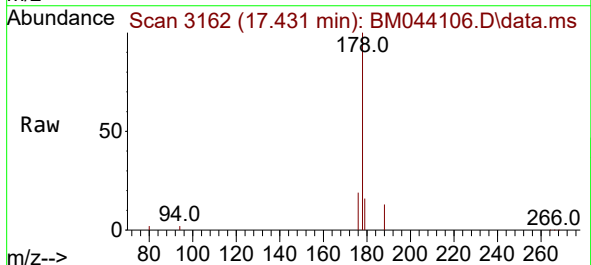
Instrument :
BNA_M
ClientSampleId :
C0FL5

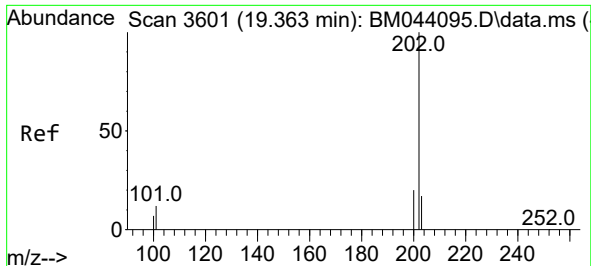
Tgt Ion:178 Resp: 96046
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 18.8 16.0 24.0



#16
Anthracene
Concen: 0.020 ng/ul
RT: 17.431 min Scan# 3162
Delta R.T. -0.004 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Tgt Ion:178 Resp: 94670
Ion Ratio Lower Upper
178 100
179 15.6 12.8 19.2
176 18.8 15.3 22.9

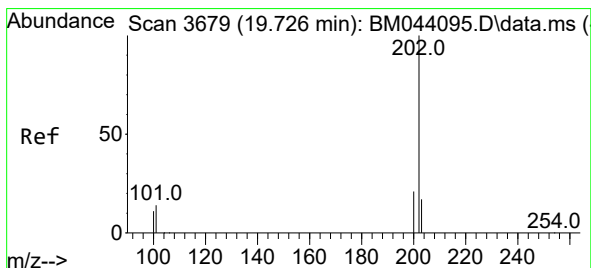
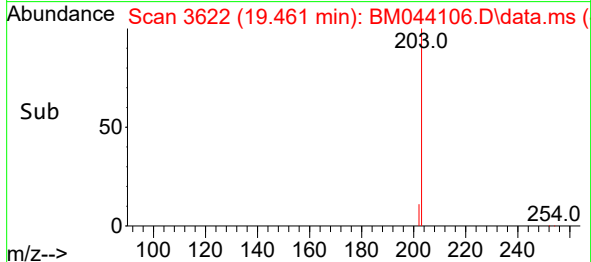
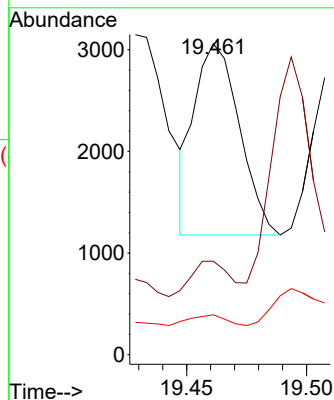
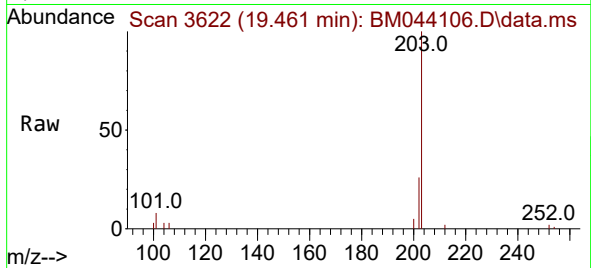




#19
Fluoranthene
Concen: 4.277 ng/ul
RT: 19.461 min Scan# 3622
Delta R.T. 0.098 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

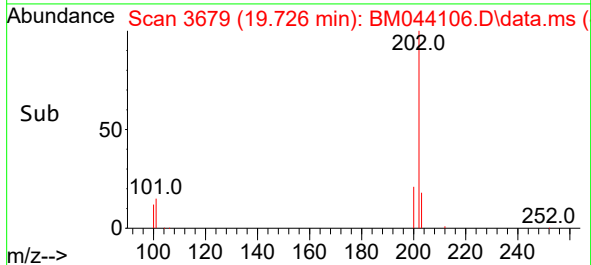
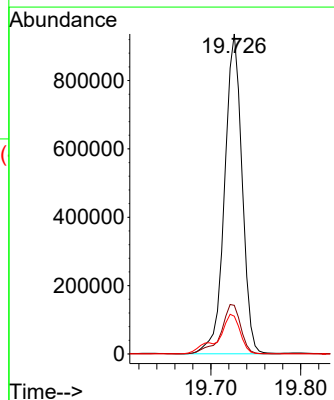
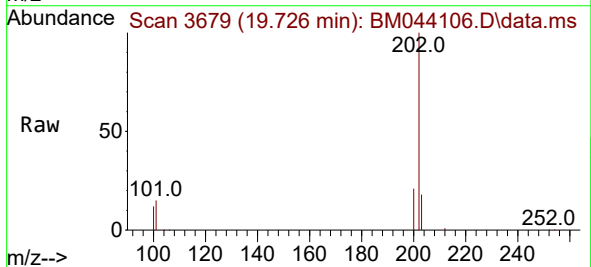
Instrument :
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ClientSampleId :
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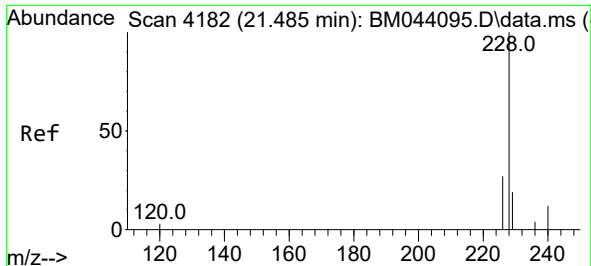
Tgt Ion:202 Resp: 2457
Ion Ratio Lower Upper
202 100
101 30.0 9.8 14.6#
100 12.8 7.0 10.4#



#20
Pyrene
Concen: 2087.370 ng/ul
RT: 19.726 min Scan# 3679
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Tgt Ion:202 Resp: 1260993
Ion Ratio Lower Upper
202 100
101 15.2 11.2 16.8
100 11.8 8.6 13.0

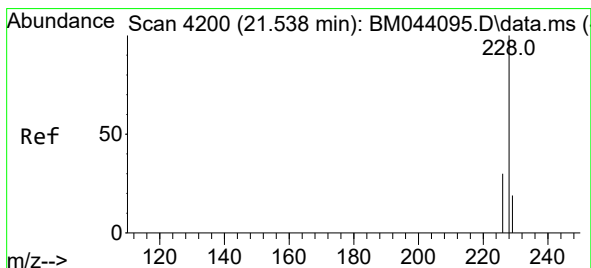
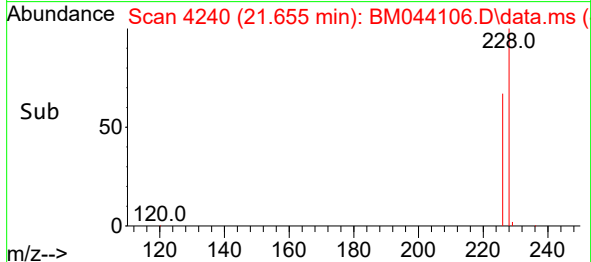
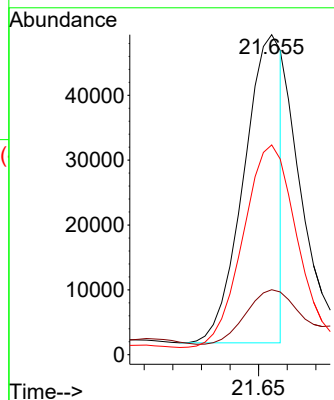
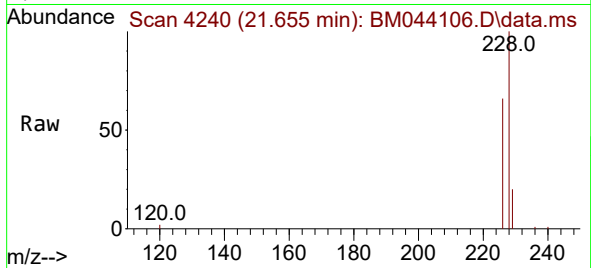




#21
Benzo(a)anthracene
Concen: 75.733 ng/ul
RT: 21.655 min Scan# 4182
Delta R.T. 0.170 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

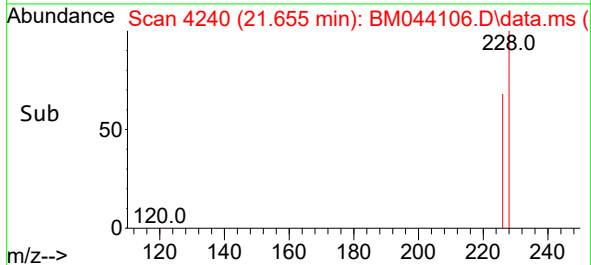
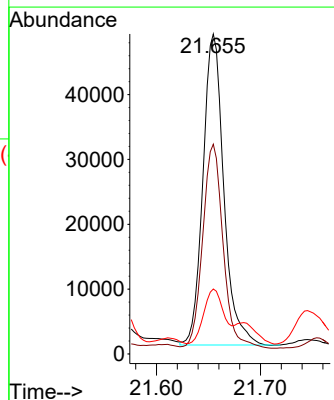
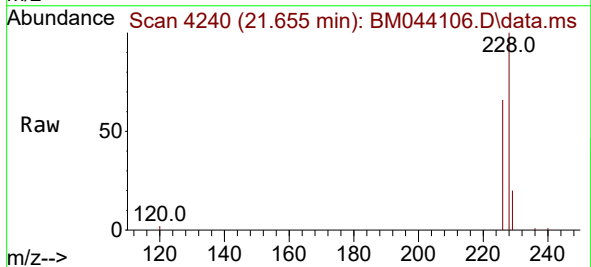
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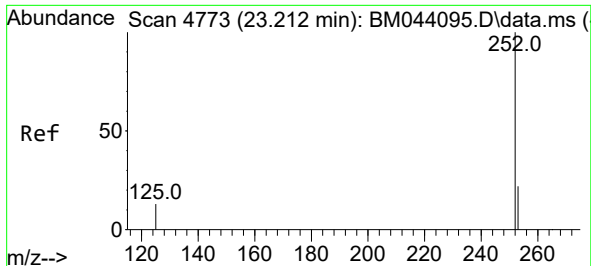
Tgt Ion:228 Resp: 43700
Ion Ratio Lower Upper
228 100
229 20.3 15.4 23.2
226 65.6 22.1 33.1#



#22
Chrysene
Concen: 107.289 ng/ul
RT: 21.655 min Scan# 4240
Delta R.T. 0.117 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

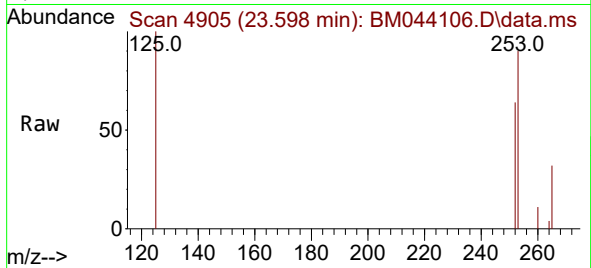
Tgt Ion:228 Resp: 66748
Ion Ratio Lower Upper
228 100
226 65.6 24.2 36.2#
229 20.3 15.8 23.6



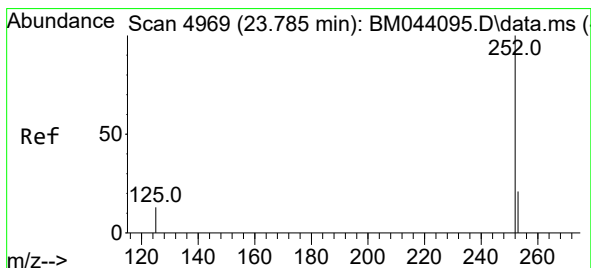
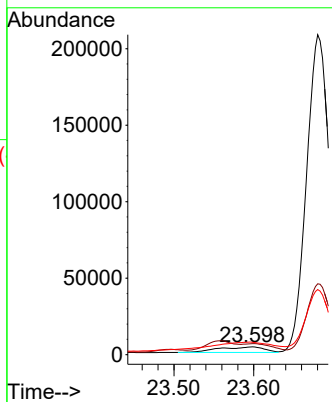
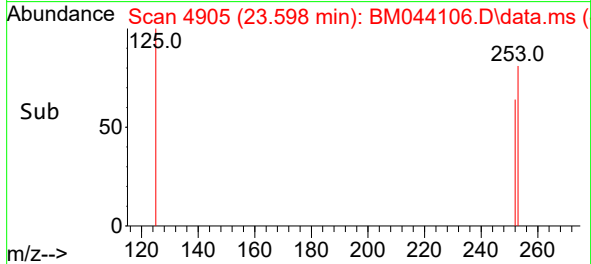


#25
Benzo(k)fluoranthene
Concen: 0.869 ng/ul
RT: 23.598 min Scan# 4905
Delta R.T. 0.386 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Instrument :
BNA_M
ClientSampleId :
C0FL5

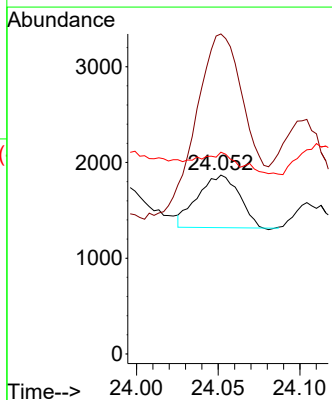
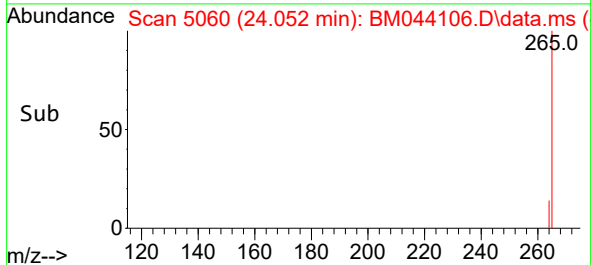
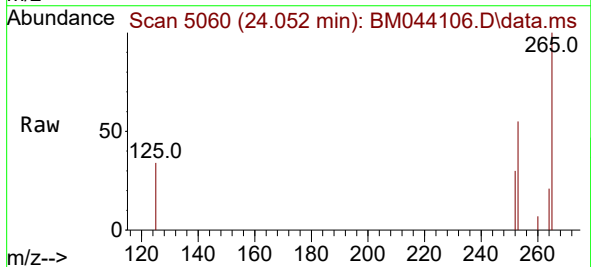


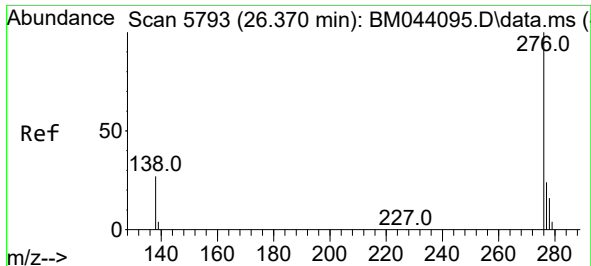
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Ion Ratio Lower Upper
252 100
253 141.2 20.1 30.1#
125 157.3 12.3 18.5#



#26
Benzo(a)pyrene
Concen: 0.068 ng/ul
RT: 24.052 min Scan# 5060
Delta R.T. 0.266 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Tgt Ion:252 Resp: 971
Ion Ratio Lower Upper
252 100
253 178.9 21.4 32.2#
125 112.8 13.3 19.9#

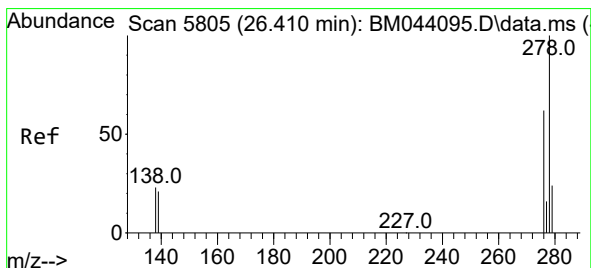
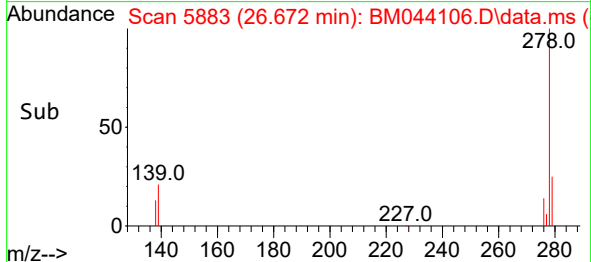
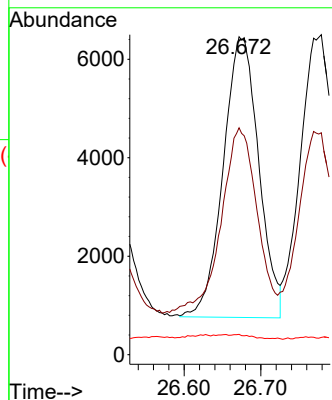
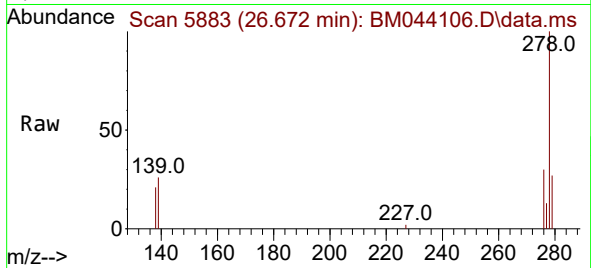




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.011 ng/ul
 RT: 26.672 min Scan# 5793
 Delta R.T. 0.302 min
 Lab File: BM044106.D
 Acq: 15 Feb 2024 17:56

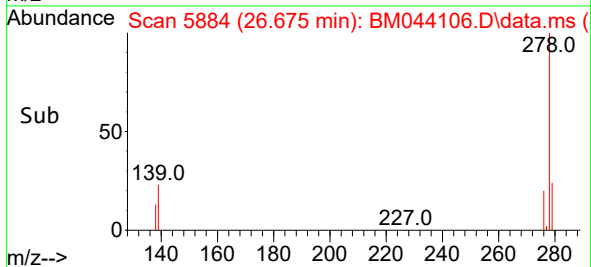
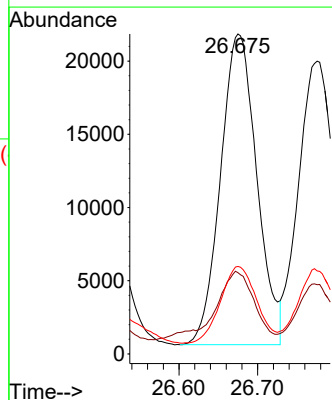
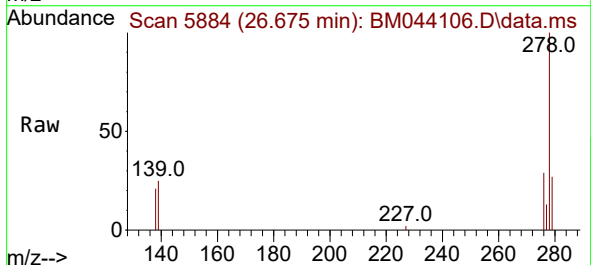
Instrument :
 BNA_M
 ClientSampleId :
 C0FL5

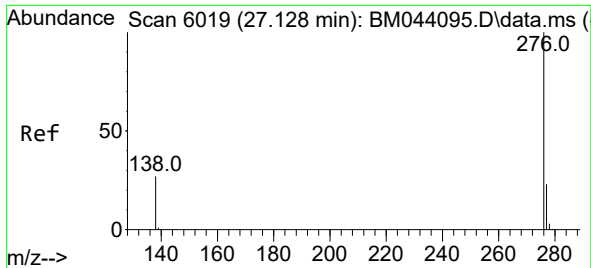
Tgt Ion:276 Resp: 18344
 Ion Ratio Lower Upper
 276 100
 138 66.3 25.2 37.8#
 227 2.3 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 4.769 ng/ul
 RT: 26.675 min Scan# 5884
 Delta R.T. 0.265 min
 Lab File: BM044106.D
 Acq: 15 Feb 2024 17:56

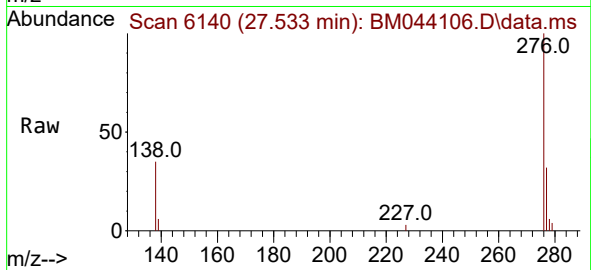
Tgt Ion:278 Resp: 68155
 Ion Ratio Lower Upper
 278 100
 139 25.4 17.8 26.8
 279 27.4 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 2.613 ng/ul
RT: 27.533 min Scan# 61
Delta R.T. 0.406 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Instrument :
BNA_M
ClientSampleId :
C0FL5



Tgt Ion:276 Resp: 41934
Ion Ratio Lower Upper
276 100
138 34.7 22.7 34.1#
277 32.1 19.0 28.6#

