

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043089.D
 Acq On : 30 Nov 2023 17:39
 Operator : MA/JU
 Sample : 05497-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB1

Quant Time: Dec 01 00:43:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

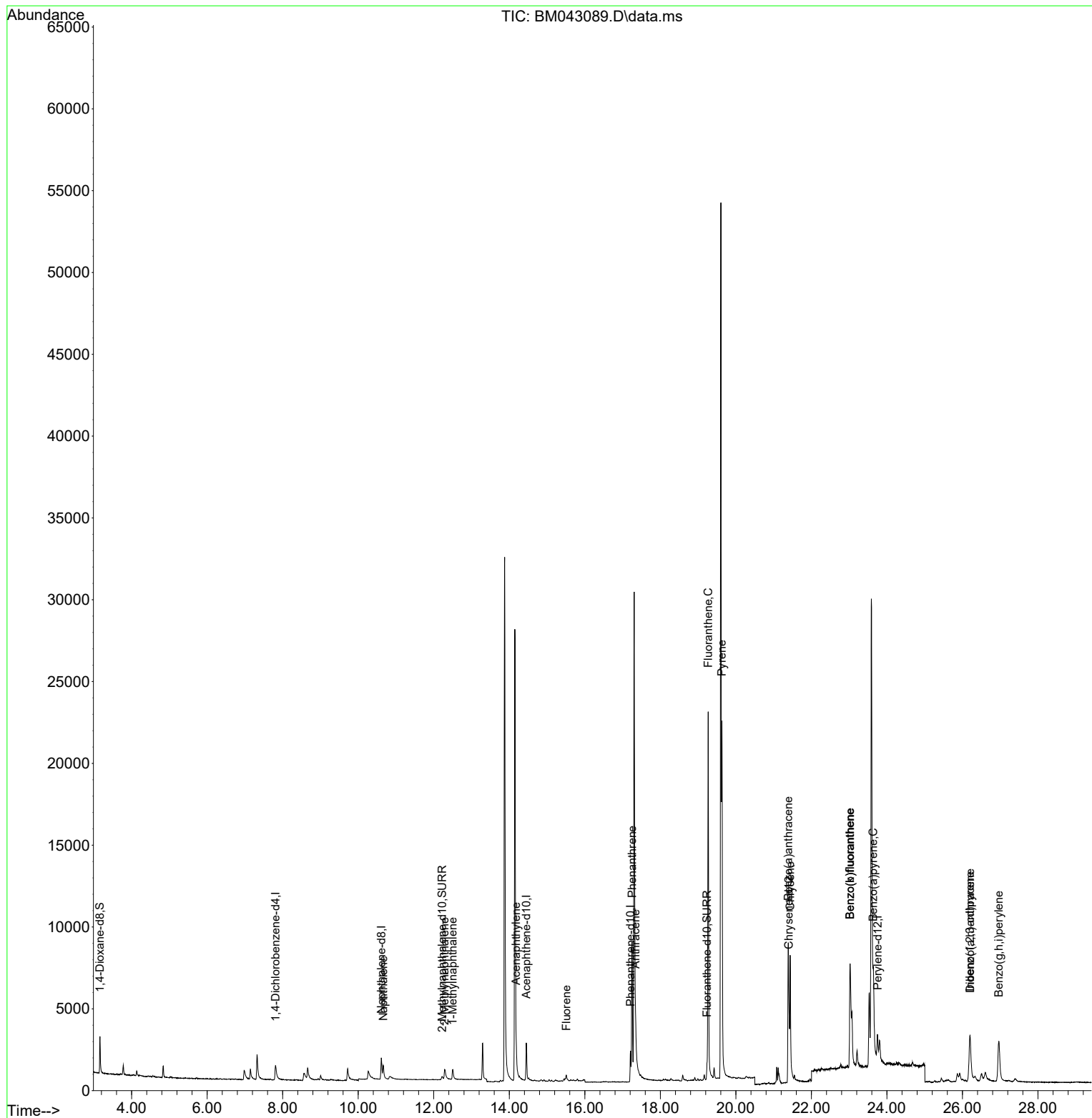
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	909	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.612	136	2461	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.451	164	1323	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.209	188	2697	0.400	ng/ul	-0.02
17) Chrysene-d12	21.400	240	2044	0.400	ng/ul	#-0.01
23) Perylene-d12	23.753	264	3288	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1512	1.084	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.223	152	539	0.164	ng/ul	-0.01
18) Fluoranthene-d10	19.239	212	1228	0.165	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.661	128	1462	0.219	ng/ul	98
7) 2-Methylnaphthalene	12.289	142	847	0.215	ng/ul	99
8) 1-Methylnaphthalene	12.504	142	589	0.134	ng/ul	96
10) Acenaphthylene	14.178	152	1380	0.204	ng/ul	96
12) Fluorene	15.511	166	329	0.063	ng/ul#	91
15) Phenanthrene	17.251	178	10563	1.373	ng/ul	94
16) Anthracene	17.344	178	2695	0.370	ng/ul	95
19) Fluoranthene	19.267	202	22434	1.936	ng/ul#	92
20) Pyrene	19.629	202	19508	1.583	ng/ul#	94
21) Benzo(a)anthracene	21.385	228	9481	1.430	ng/ul	96
22) Chrysene	21.438	228	8882	0.719	ng/ul	98
24) Benzo(b)fluoranthene	23.025	252	12260	1.105	ng/ul	86
25) Benzo(k)fluoranthene	23.025	252	17556	1.149	ng/ul#	87
26) Benzo(a)pyrene	23.639	252	7522	0.621	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	26.195	276	6701	0.409	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.205	278	1602	0.126	ng/ul#	89
29) Benzo(g,h,i)perylene	26.966	276	6719	0.421	ng/ul	93

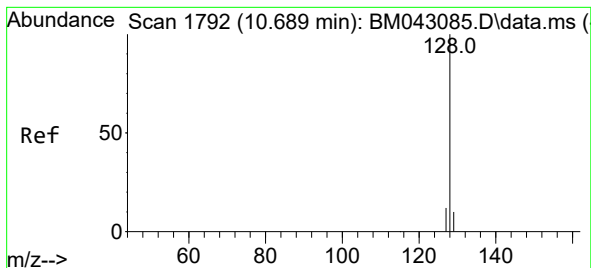
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.219 ng/ul

RT: 10.661 min Scan# 1792

Delta R.T. -0.027 min

Lab File: BM043089.D

Acq: 30 Nov 2023 17:39

Instrument :

BNA_M

ClientSampleId :

C0AB1

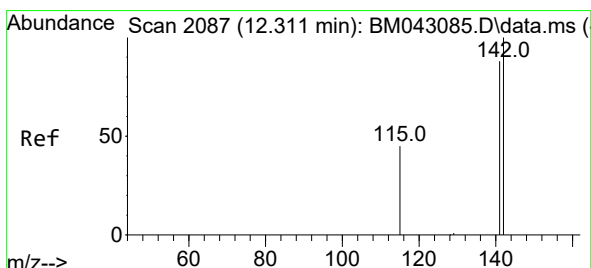
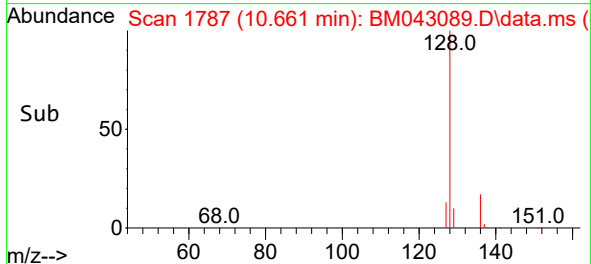
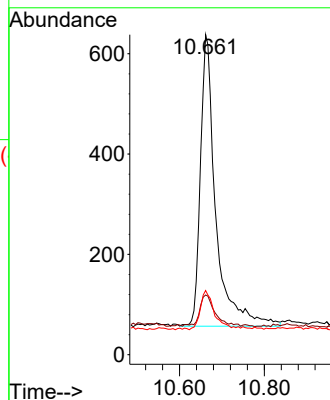
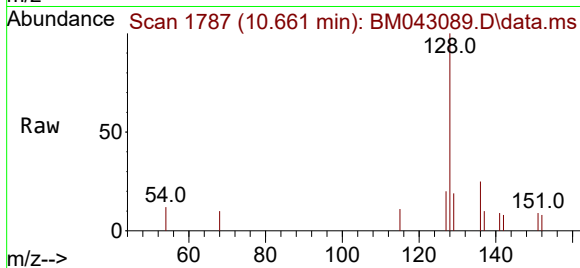
Tgt Ion:128 Resp: 1462

Ion Ratio Lower Upper

128 100

129 18.7 16.0 24.0

127 20.1 16.5 24.7



#7

2-Methylnaphthalene

Concen: 0.215 ng/ul

RT: 12.289 min Scan# 2083

Delta R.T. -0.022 min

Lab File: BM043089.D

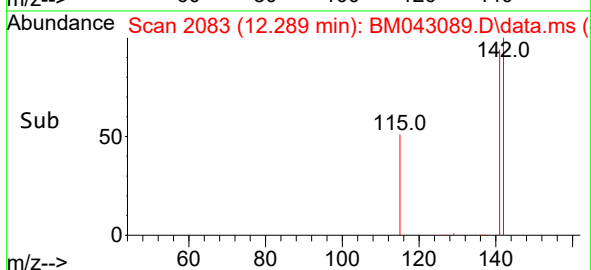
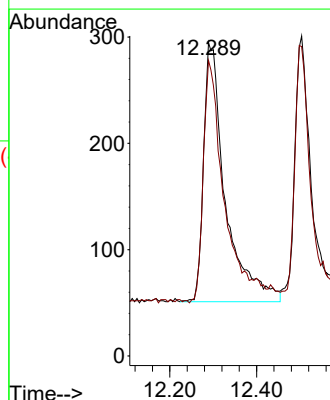
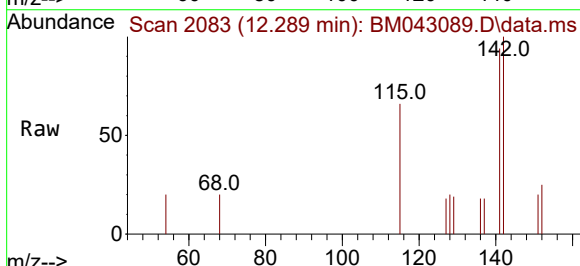
Acq: 30 Nov 2023 17:39

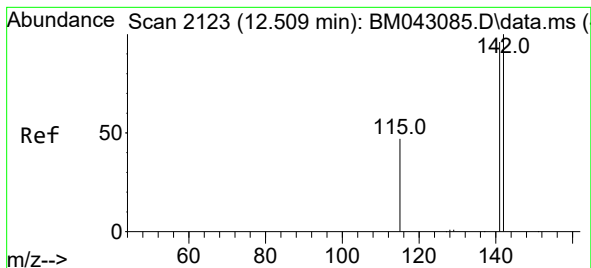
Tgt Ion:142 Resp: 847

Ion Ratio Lower Upper

142 100

141 93.9 76.1 114.1





#8

1-Methylnaphthalene

Concen: 0.134 ng/ul

RT: 12.504 min Scan# 2122

Delta R.T. -0.005 min

Lab File: BM043089.D

Acq: 30 Nov 2023 17:39

Instrument :

BNA_M

ClientSampleId :

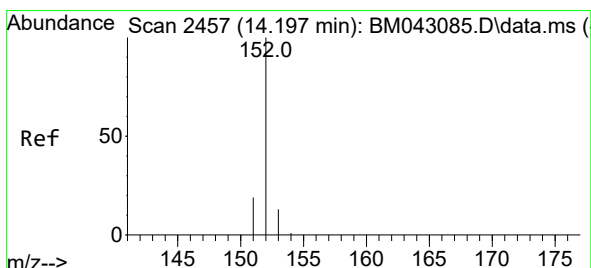
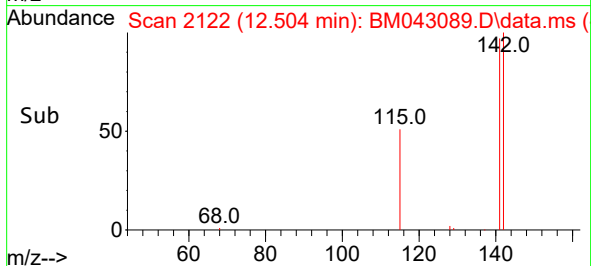
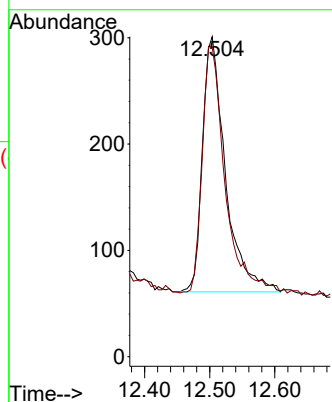
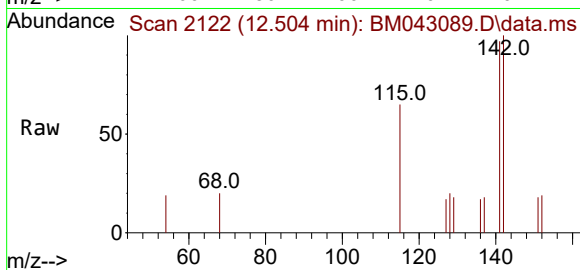
C0AB1

Tgt Ion:142 Resp: 589

Ion Ratio Lower Upper

142 100

141 96.1 73.8 110.8



#10

Acenaphthylene

Concen: 0.204 ng/ul

RT: 14.178 min Scan# 2453

Delta R.T. -0.018 min

Lab File: BM043089.D

Acq: 30 Nov 2023 17:39

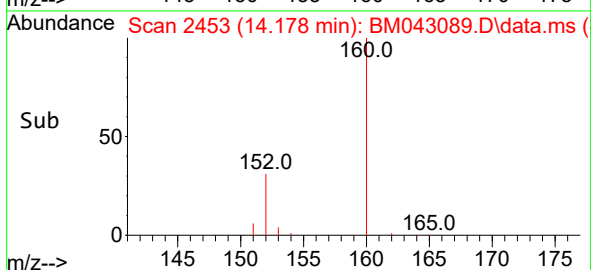
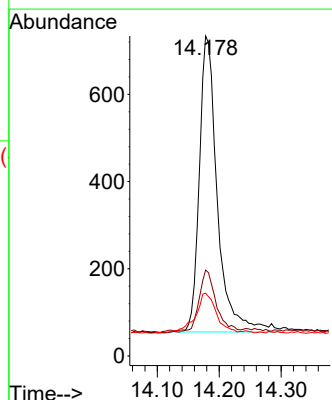
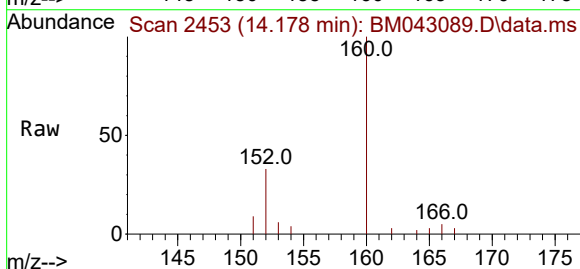
Tgt Ion:152 Resp: 1380

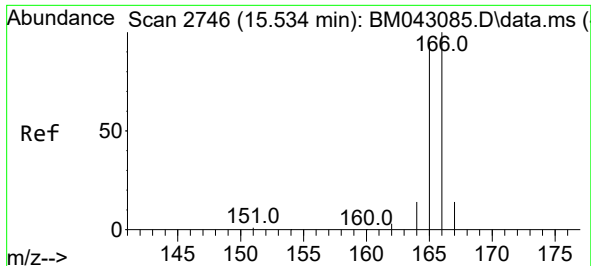
Ion Ratio Lower Upper

152 100

151 26.8 19.4 29.0

153 19.6 14.6 21.8

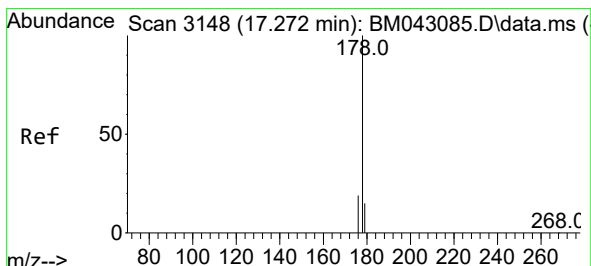
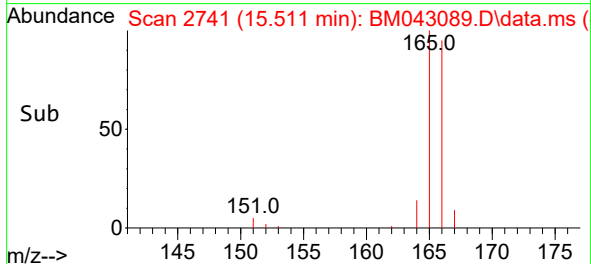
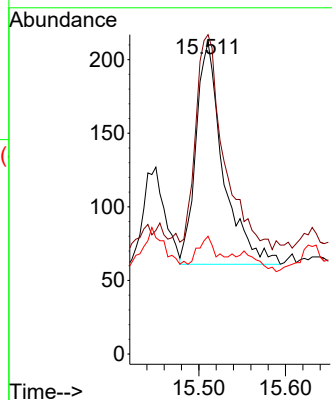
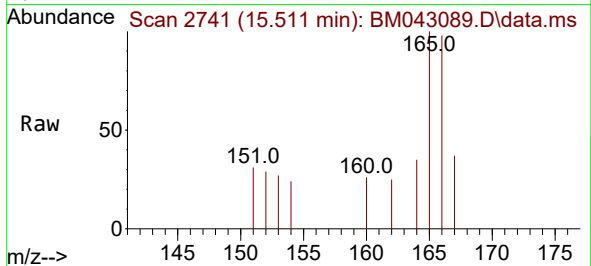




#12
Fluorene
Concen: 0.063 ng/ul
RT: 15.511 min Scan# 21
Delta R.T. -0.023 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

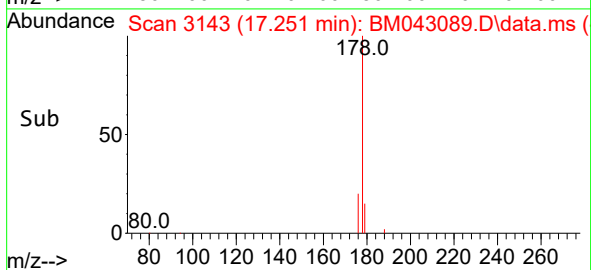
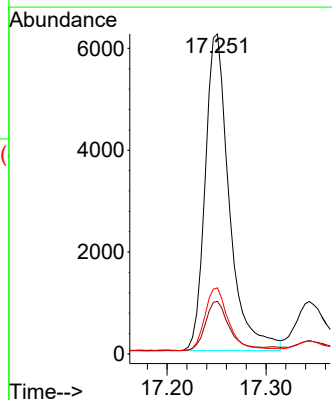
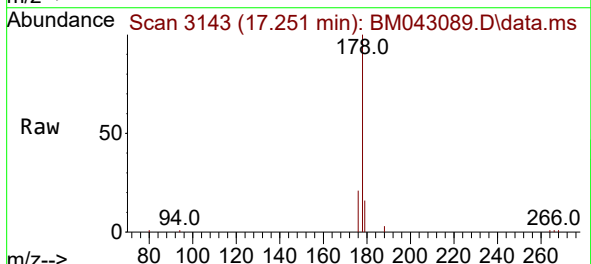
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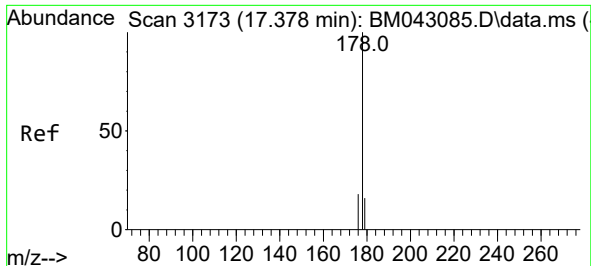
Tgt Ion:166 Resp: 329
Ion Ratio Lower Upper
166 100
165 102.4 79.9 119.9
167 37.7 14.2 21.4#



#15
Phenanthrene
Concen: 1.373 ng/ul
RT: 17.251 min Scan# 3143
Delta R.T. -0.021 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

Tgt Ion:178 Resp: 10563
Ion Ratio Lower Upper
178 100
179 16.5 15.7 23.5
176 20.7 18.9 28.3

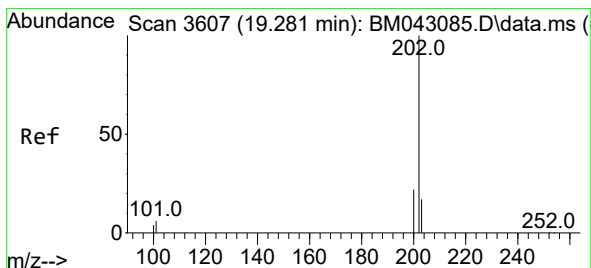
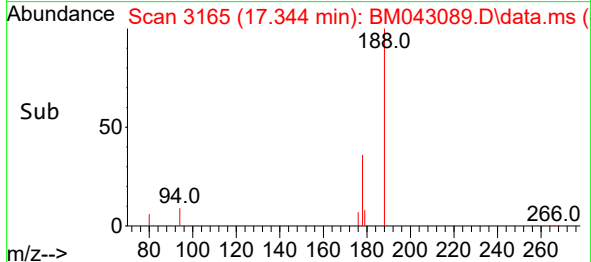
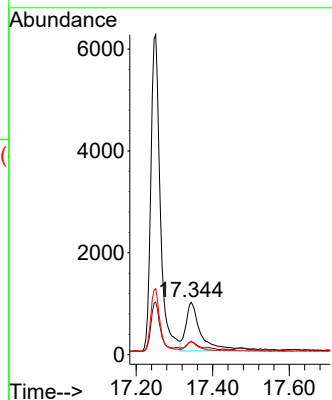
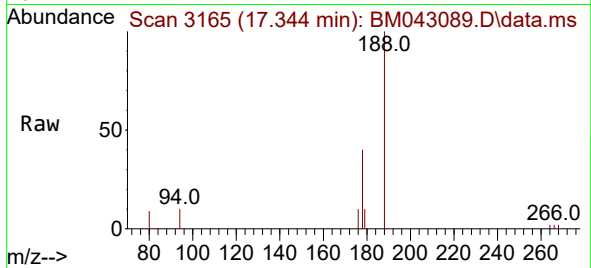




#16
 Anthracene
 Concen: 0.370 ng/ul
 RT: 17.344 min Scan# 3173
 Delta R.T. -0.034 min
 Lab File: BM043089.D
 Acq: 30 Nov 2023 17:39

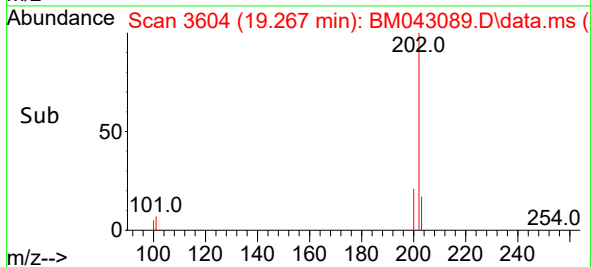
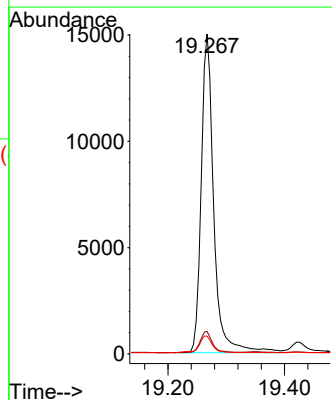
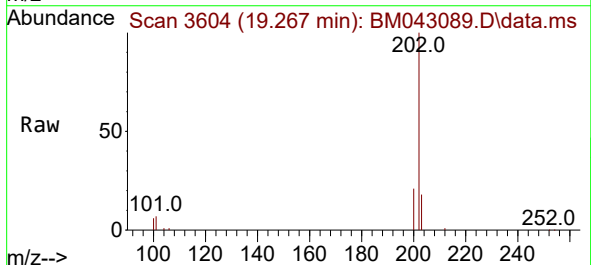
Instrument :
 BNA_M
 ClientSampleId :
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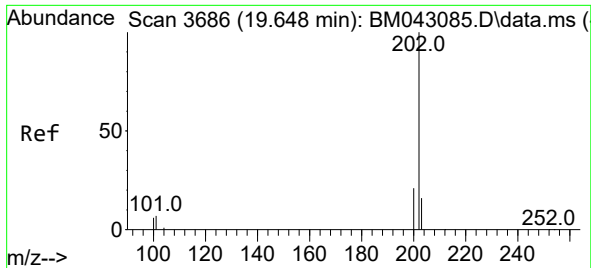
Tgt Ion:178 Resp: 2695
 Ion Ratio Lower Upper
 178 100
 179 25.7 17.3 25.9
 176 24.3 20.5 30.7



#19
 Fluoranthene
 Concen: 1.936 ng/ul
 RT: 19.267 min Scan# 3604
 Delta R.T. -0.014 min
 Lab File: BM043089.D
 Acq: 30 Nov 2023 17:39

Tgt Ion:202 Resp: 22434
 Ion Ratio Lower Upper
 202 100
 101 7.0 7.8 11.8#
 100 5.6 7.1 10.7#

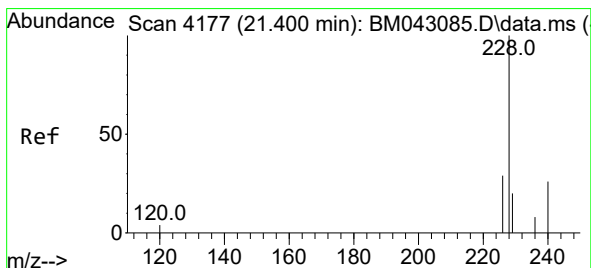
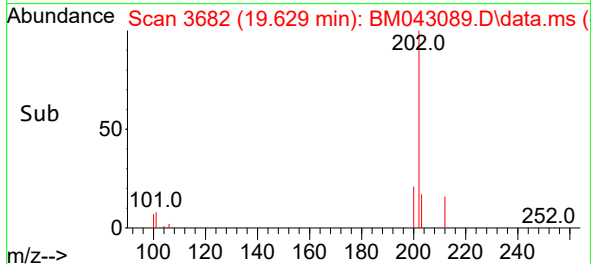
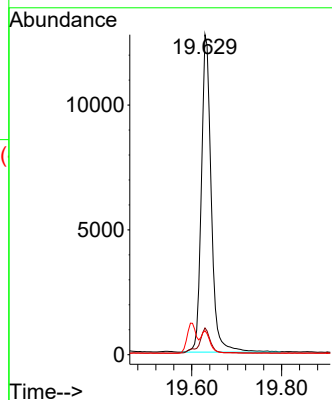
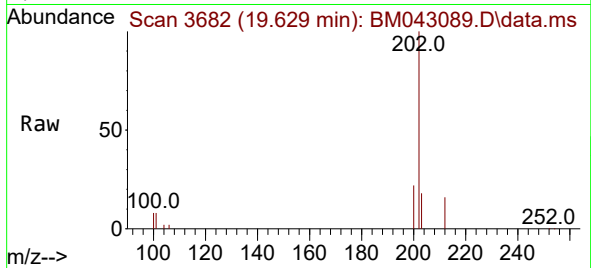




#20
Pyrene
Concen: 1.583 ng/ul
RT: 19.629 min Scan# 30
Delta R.T. -0.019 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

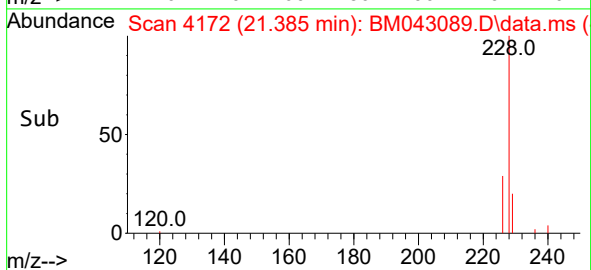
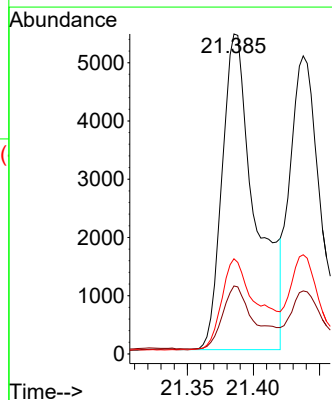
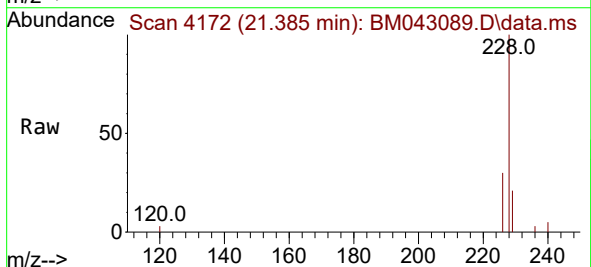
Instrument :
BNA_M
ClientSampleId :
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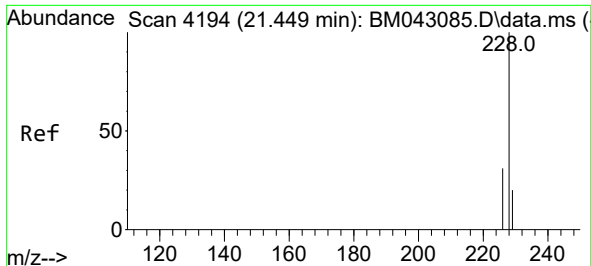
Tgt Ion:202 Resp: 19508
Ion Ratio Lower Upper
202 100
101 8.4 8.7 13.1#
100 7.5 7.8 11.8#



#21
Benzo(a)anthracene
Concen: 1.430 ng/ul
RT: 21.385 min Scan# 4172
Delta R.T. -0.015 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

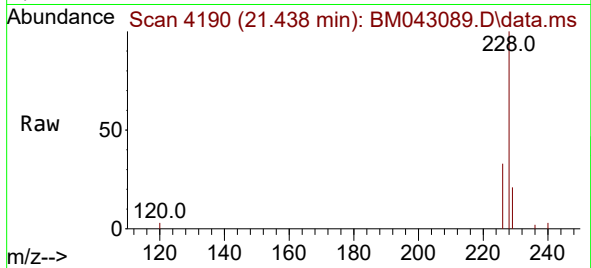
Tgt Ion:228 Resp: 9481
Ion Ratio Lower Upper
228 100
229 21.3 19.4 29.0
226 29.7 24.9 37.3



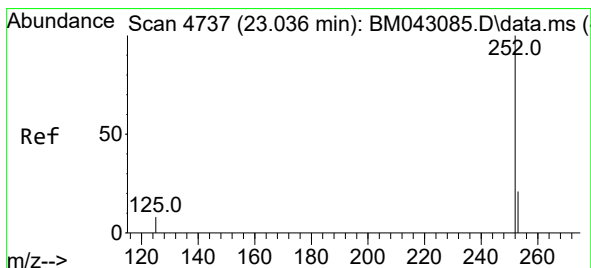
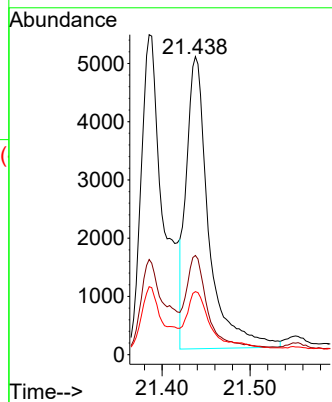
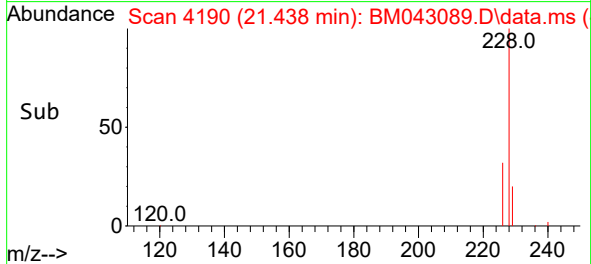


#22
Chrysene
Concen: 0.719 ng/ul
RT: 21.438 min Scan# 4190
Delta R.T. -0.012 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

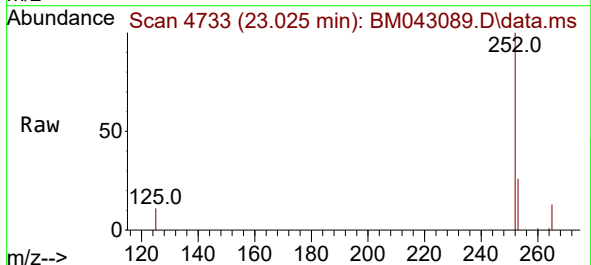
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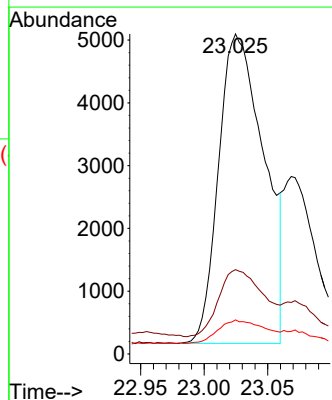
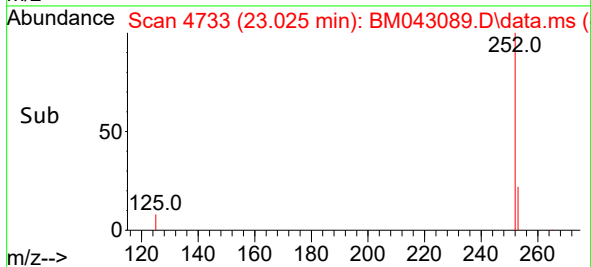
Tgt Ion:228 Resp: 8882
Ion Ratio Lower Upper
228 100
226 33.3 27.2 40.8
229 21.1 18.0 27.0

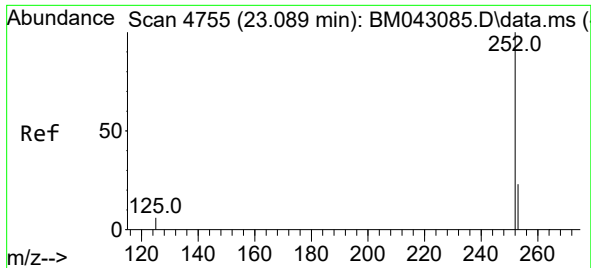


#24
Benzo(b)fluoranthene
Concen: 1.105 ng/ul
RT: 23.025 min Scan# 4733
Delta R.T. -0.012 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39



Tgt Ion:252 Resp: 12260
Ion Ratio Lower Upper
252 100
253 26.4 0.0 71.8
125 10.6 0.0 29.0

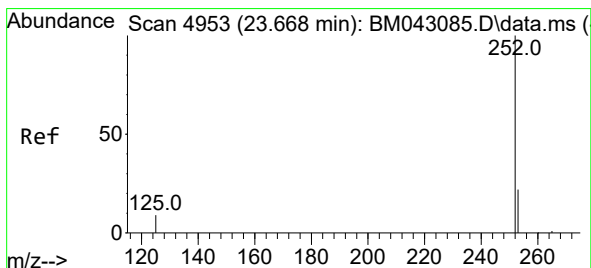
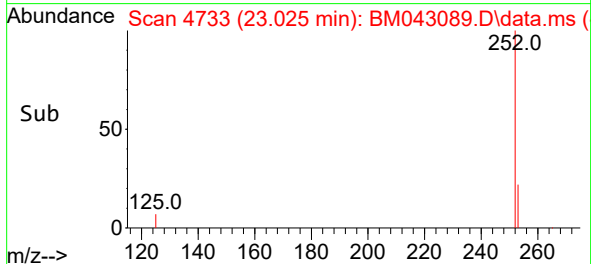
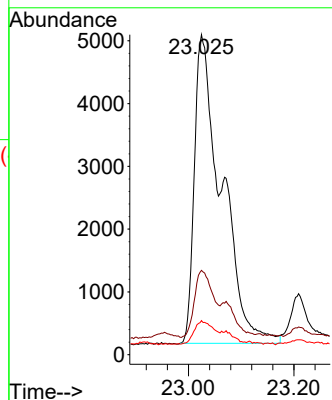
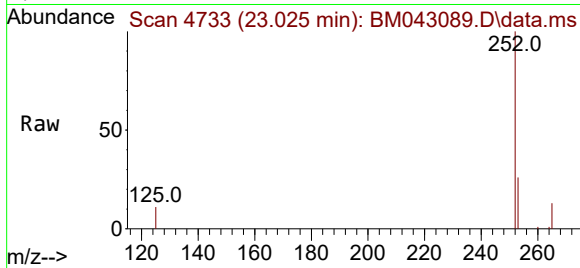




#25
Benzo(k)fluoranthene
Concen: 1.149 ng/ul
RT: 23.025 min Scan# 41
Delta R.T. -0.064 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

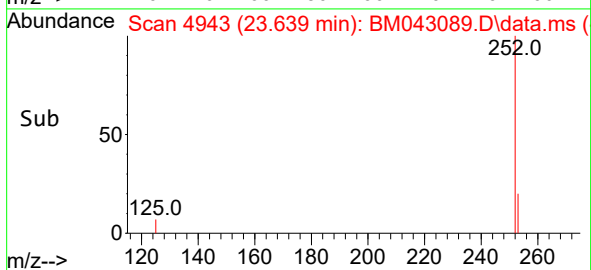
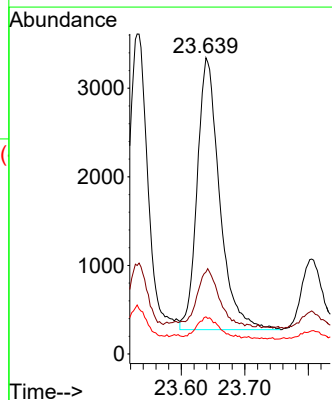
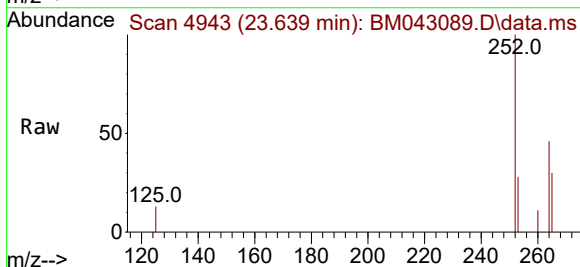
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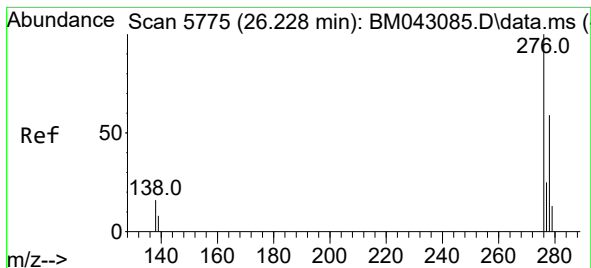
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Ion Ratio Lower Upper
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125 10.6 11.0 16.6#



#26
Benzo(a)pyrene
Concen: 0.621 ng/ul
RT: 23.639 min Scan# 4943
Delta R.T. -0.029 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

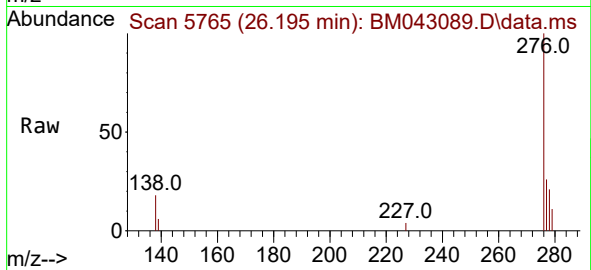
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Ion Ratio Lower Upper
252 100
253 27.7 36.6 55.0#
125 12.5 16.2 24.4#



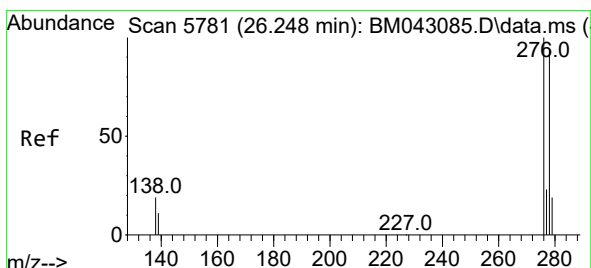
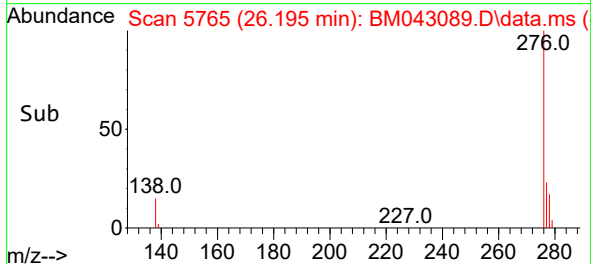
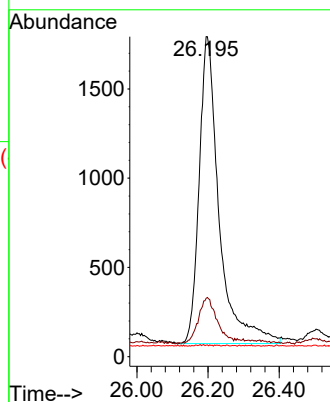


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng/ul
RT: 26.195 min Scan# 5765
Delta R.T. -0.033 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

Instrument :
BNA_M
ClientSampleId :
C0AB1

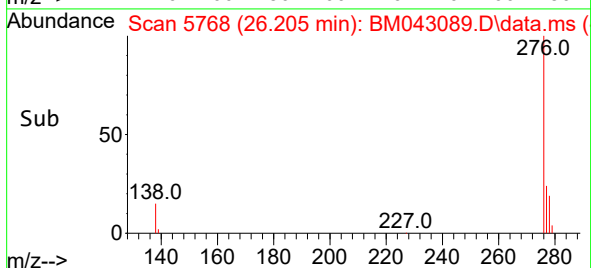
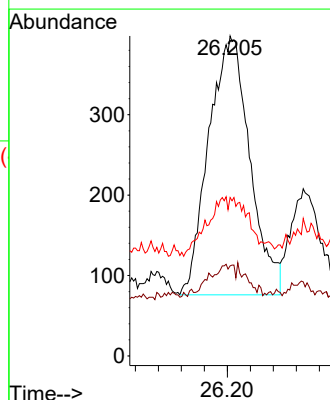
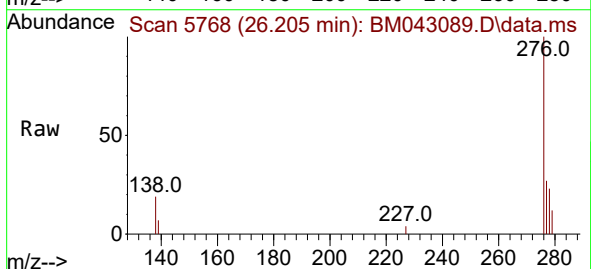


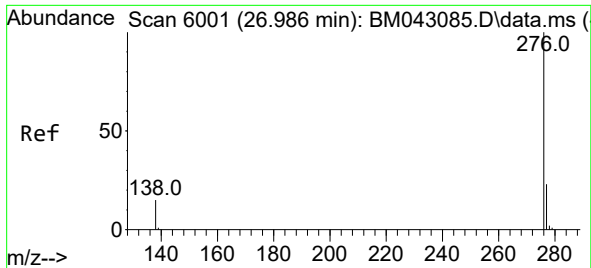
Tgt Ion:276 Resp: 6701
Ion Ratio Lower Upper
276 100
138 13.7 0.0 0.0#
227 0.0 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 0.126 ng/ul
RT: 26.205 min Scan# 5768
Delta R.T. -0.044 min
Lab File: BM043089.D
Acq: 30 Nov 2023 17:39

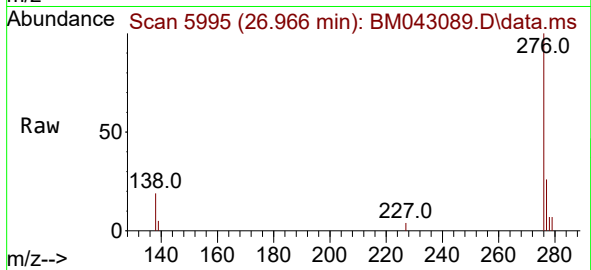
Tgt Ion:278 Resp: 1602
Ion Ratio Lower Upper
278 100
139 28.1 18.1 27.1#
279 49.5 34.4 51.6





#29
 Benzo(g,h,i)perylene
 Concen: 0.421 ng/ul
 RT: 26.966 min Scan# 51
 Delta R.T. -0.020 min
 Lab File: BM043089.D
 Acq: 30 Nov 2023 17:39

Instrument :
 BNA_M
 ClientSampleId :
 C0AB1



Tgt Ion:	276	Resp:	6719
Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.8	26.8
277	25.8	23.8	35.8

