

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043076.D
 Acq On : 28 Nov 2023 17:44
 Operator : MA/JU
 Sample : 05416-23
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH6

Quant Time: Nov 28 23:39:02 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 : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

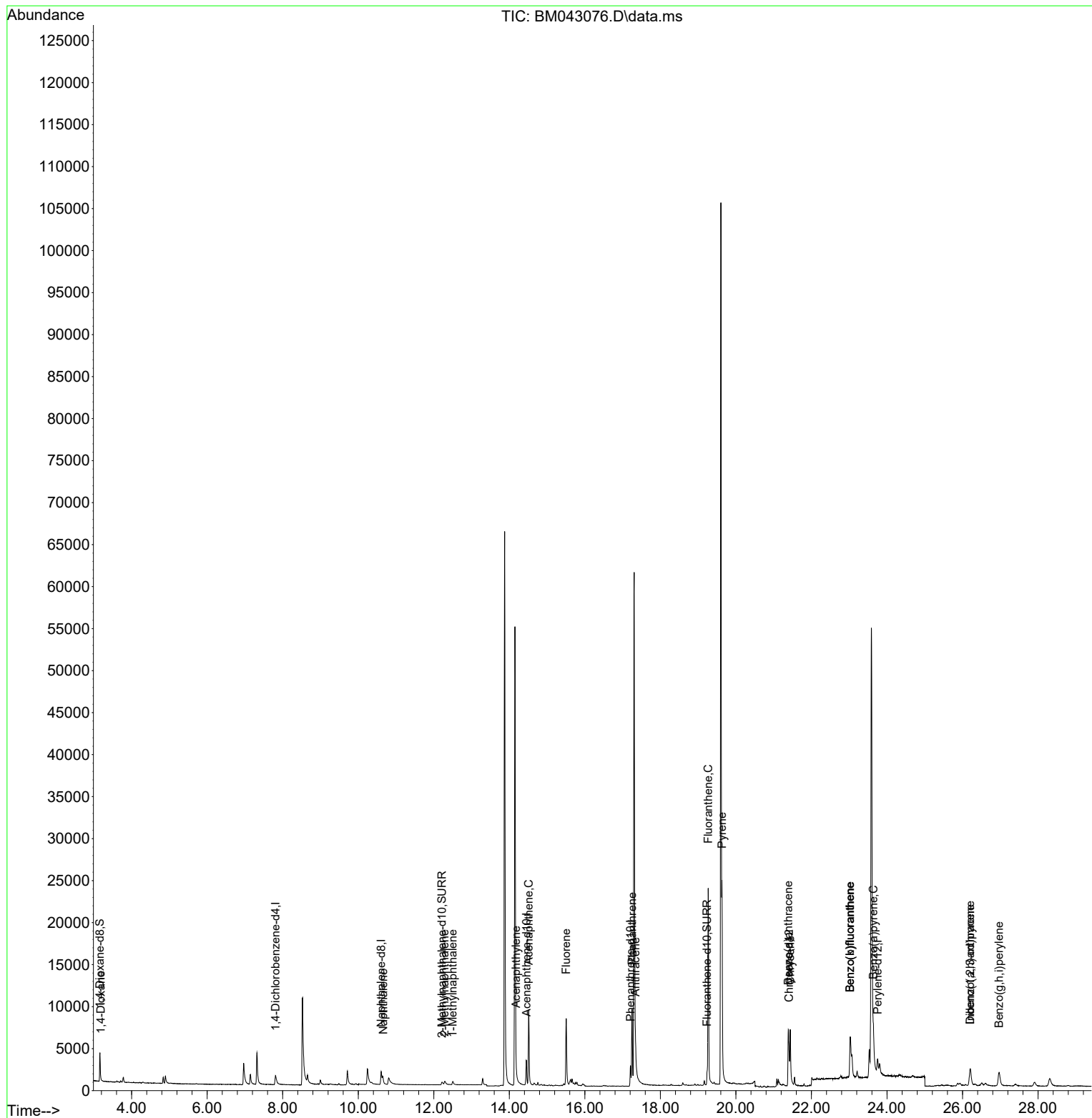
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	827	0.400	ng/ul	#-0.07
4) Naphthalene-d8	10.605	136	3573	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.454	164	1507	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.207	188	3367	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	2399	0.400	ng/ul	-0.02
23) Perylene-d12	23.750	264	4111	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2263	1.783	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.216	152	880	0.184	ng/ul	-0.03
18) Fluoranthene-d10	19.238	212	1979	0.226	ng/ul	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.185	88	28	0.021	ng/ul#	74
5) Naphthalene	10.660	128	579	0.060	ng/ul#	85
7) 2-Methylnaphthalene	12.288	142	540	0.094	ng/ul	99
8) 1-Methylnaphthalene	12.502	142	373	0.058	ng/ul	91
10) Acenaphthylene	14.177	152	505	0.066	ng/ul#	74
11) Acenaphthene	14.515	153	5710	0.980	ng/ul	95
12) Fluorene	15.505	166	5955	0.995	ng/ul	99
15) Phenanthrene	17.250	178	10677	1.111	ng/ul	93
16) Anthracene	17.343	178	2460	0.270	ng/ul	95
19) Fluoranthene	19.266	202	23384	1.719	ng/ul#	93
20) Pyrene	19.633	202	20602	1.424	ng/ul#	93
21) Benzo(a)anthracene	21.386	228	7870	1.011	ng/ul	96
22) Chrysene	21.438	228	7489	0.517	ng/ul	99
24) Benzo(b)fluoranthene	23.025	252	9205	0.664	ng/ul	88
25) Benzo(k)fluoranthene	23.025	252	13904	0.728	ng/ul#	89
26) Benzo(a)pyrene	23.639	252	6230	0.411	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	26.205	276	4849	0.237	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.205	278	963	0.061	ng/ul#	71
29) Benzo(g,h,i)perylene	26.966	276	4439	0.223	ng/ul	98

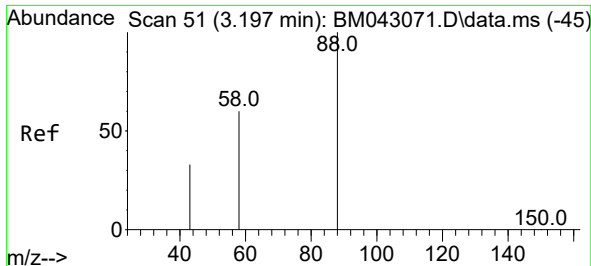
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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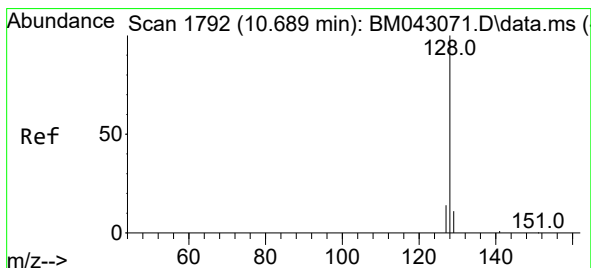
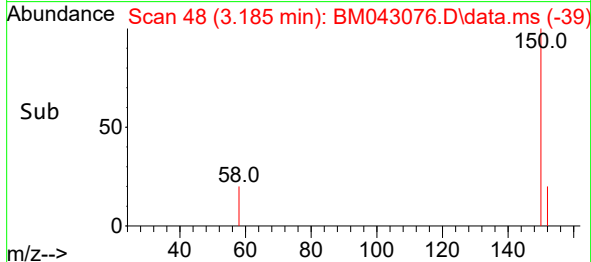
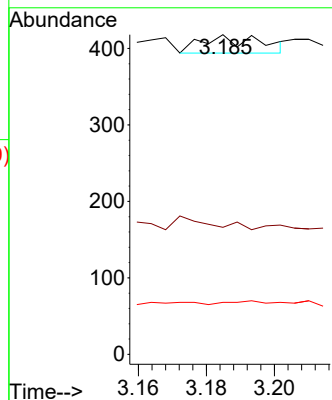
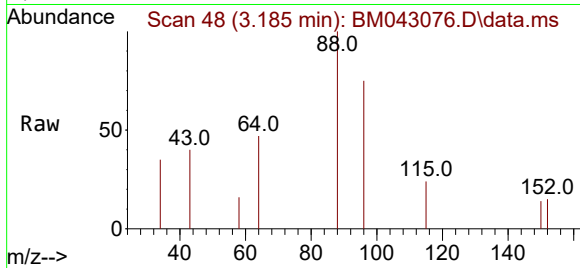




#2
1,4-Dioxane
Concen: 0.021 ng/ul
RT: 3.185 min Scan# 41
Delta R.T. -0.021 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

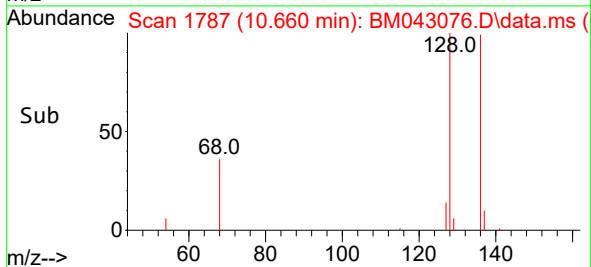
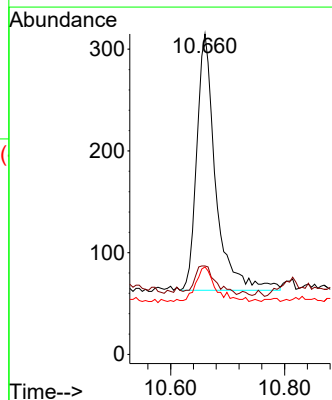
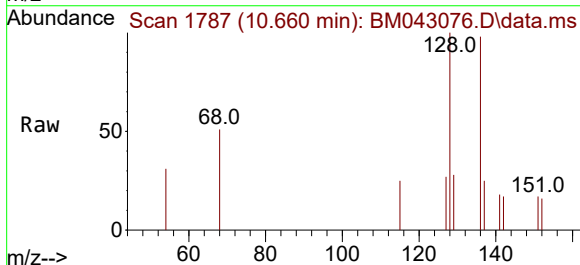
Instrument :
BNA_M
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C0AH6

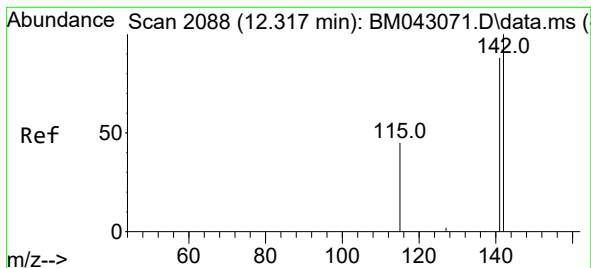
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 39.7 22.8 34.2#
58 16.3 26.8 40.2#



#5
Naphthalene
Concen: 0.060 ng/ul
RT: 10.660 min Scan# 1787
Delta R.T. -0.038 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

Tgt Ion: 128 Resp: 579
Ion Ratio Lower Upper
128 100
129 27.6 16.0 24.0#
127 27.3 16.5 24.7#

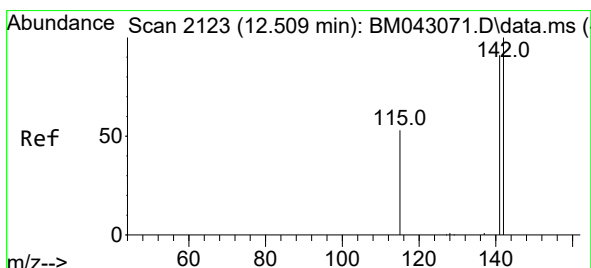
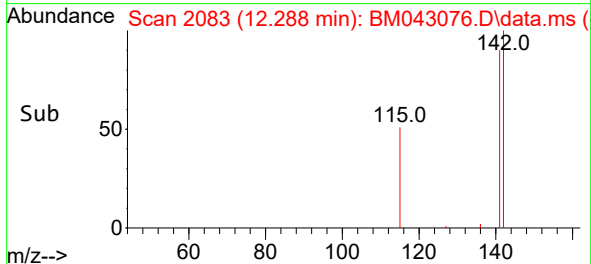
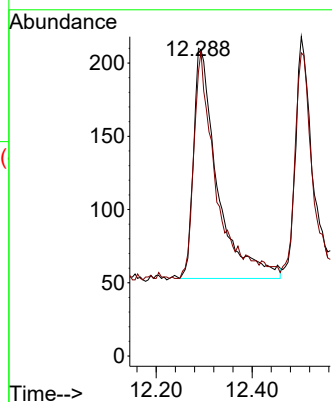
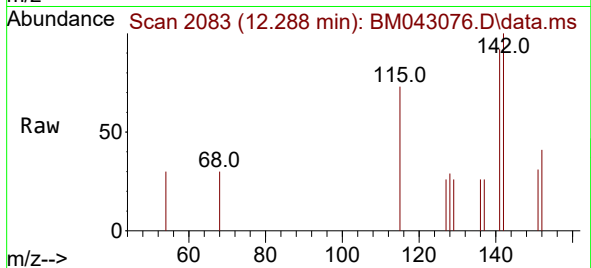




#7
2-Methylnaphthalene
Concen: 0.094 ng/ul
RT: 12.288 min Scan# 2088
Delta R.T. -0.044 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

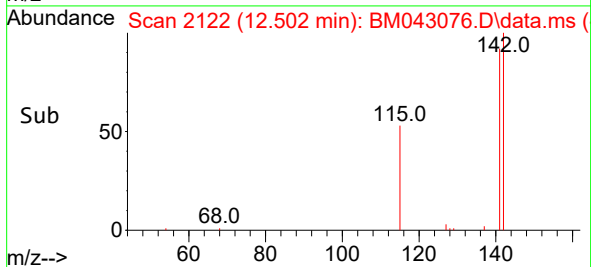
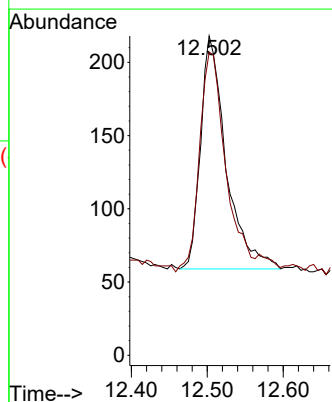
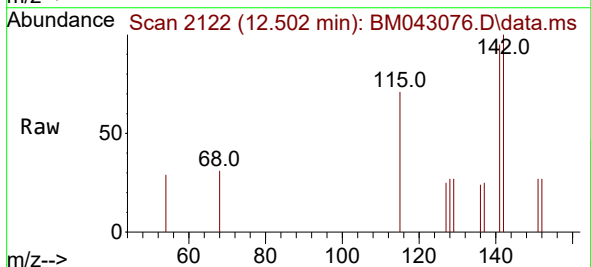
Instrument :
BNA_M
ClientSampleId :
C0AH6

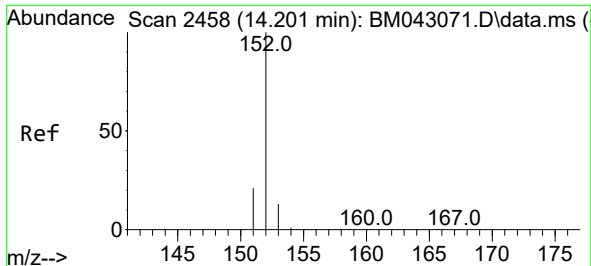
Tgt Ion:142 Resp: 540
Ion Ratio Lower Upper
142 100
141 93.7 76.1 114.1



#8
1-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.502 min Scan# 2122
Delta R.T. -0.016 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

Tgt Ion:142 Resp: 373
Ion Ratio Lower Upper
142 100
141 100.5 73.8 110.8

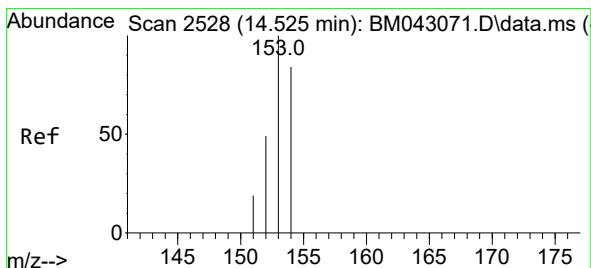
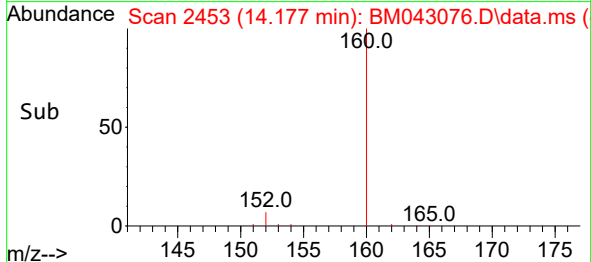
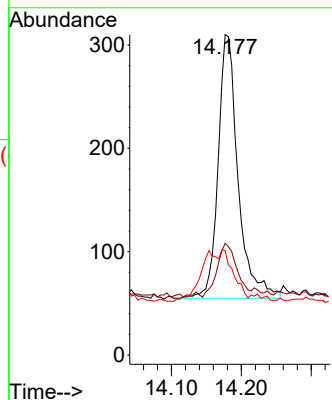
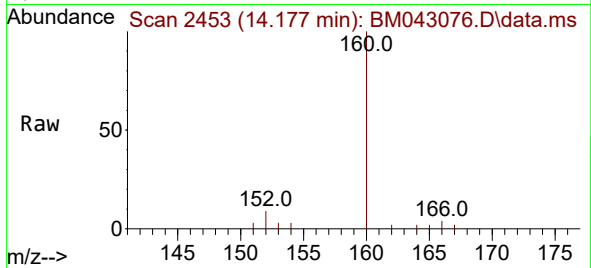




#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 14.177 min Scan# 2458
Delta R.T. -0.028 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

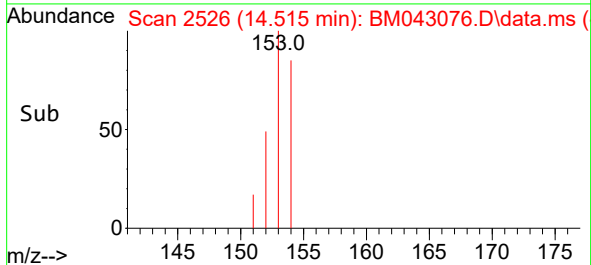
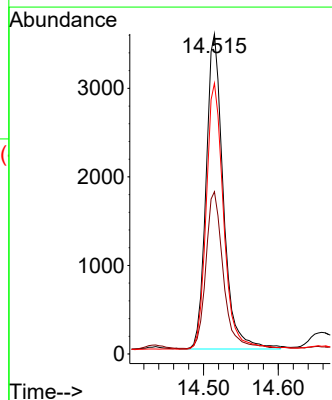
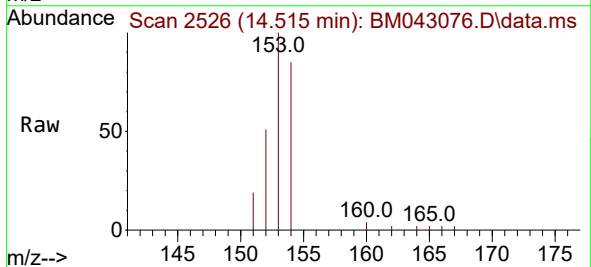
Instrument :
BNA_M
ClientSampleId :
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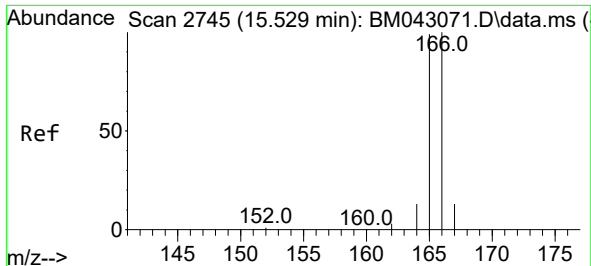
Tgt Ion:152 Resp: 505
Ion Ratio Lower Upper
152 100
151 34.8 19.4 29.0#
153 32.6 14.6 21.8#



#11
Acenaphthene
Concen: 0.980 ng/ul
RT: 14.515 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

Tgt Ion:153 Resp: 5710
Ion Ratio Lower Upper
153 100
152 50.7 43.9 65.9
154 84.6 70.6 105.8

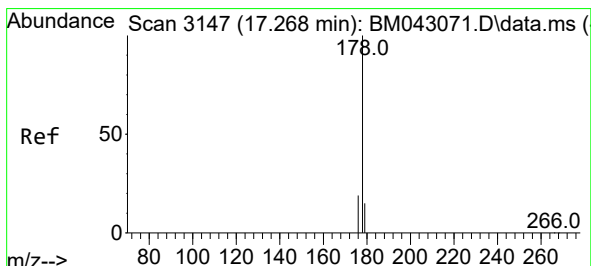
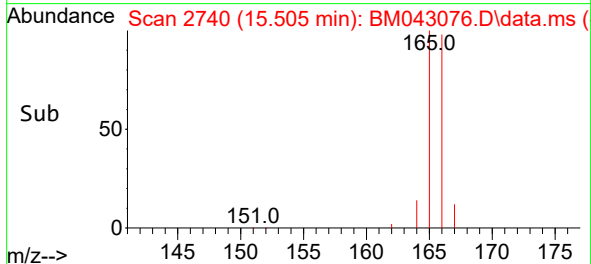
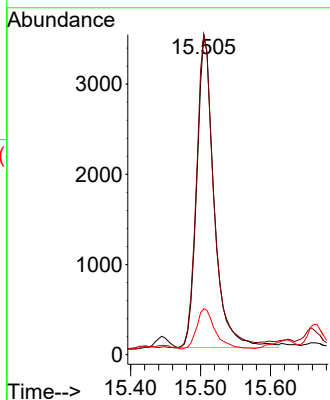
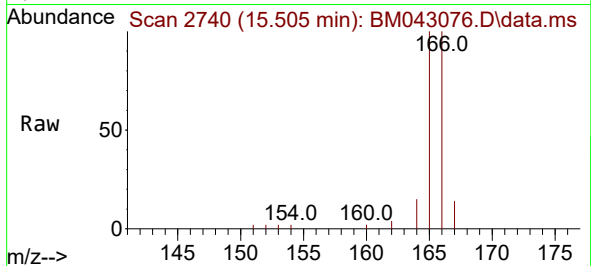




#12
Fluorene
Concen: 0.995 ng/ul
RT: 15.505 min Scan# 21
Delta R.T. -0.032 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

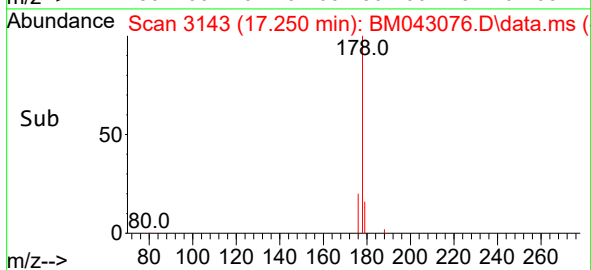
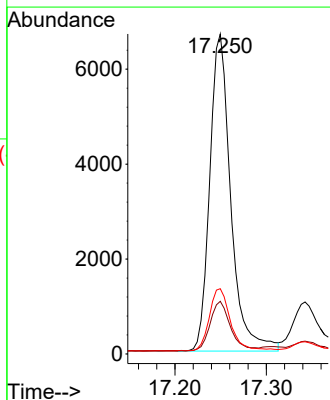
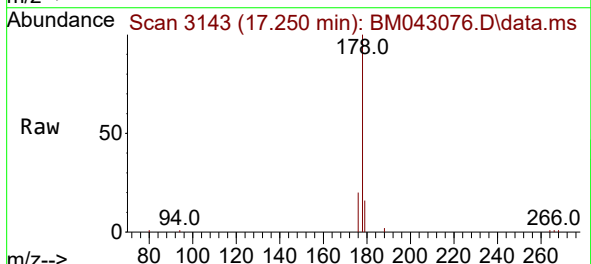
Instrument :
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ClientSampleId :
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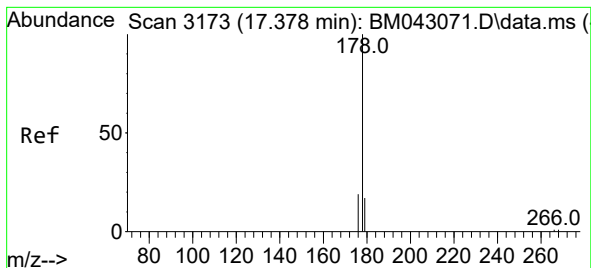
Tgt Ion:166 Resp: 5955
Ion Ratio Lower Upper
166 100
165 99.7 79.9 119.9
167 14.3 14.2 21.4



#15
Phenanthrene
Concen: 1.111 ng/ul
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

Tgt Ion:178 Resp: 10677
Ion Ratio Lower Upper
178 100
179 16.4 15.7 23.5
176 20.4 18.9 28.3





#16

Anthracene

Concen: 0.270 ng/ul

RT: 17.343 min Scan# 31

Delta R.T. -0.051 min

Lab File: BM043076.D

Acq: 28 Nov 2023 17:44

Instrument :

BNA_M

ClientSampleId :

C0AH6

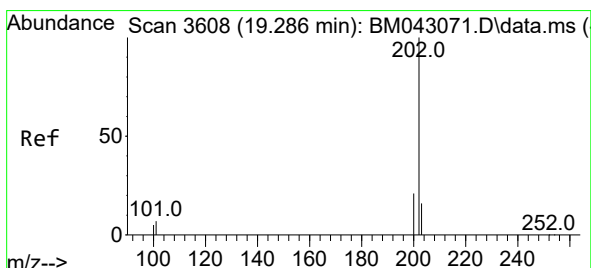
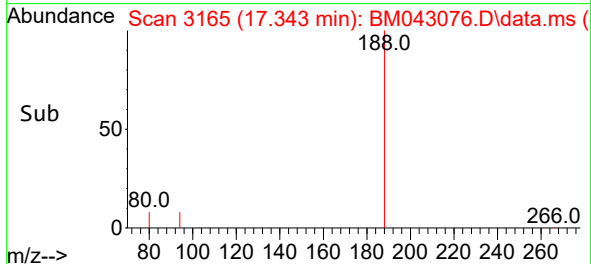
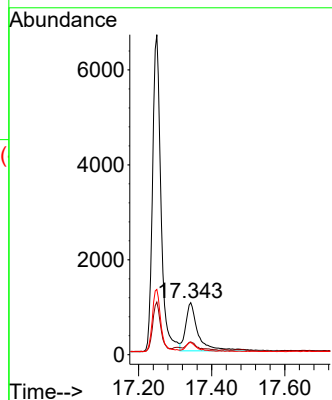
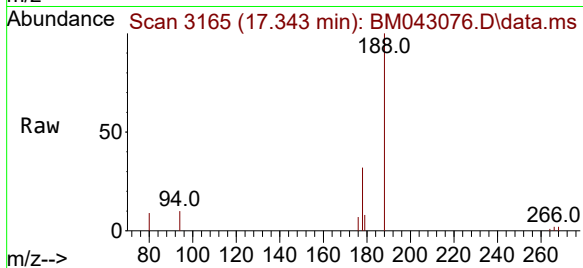
Tgt Ion:178 Resp: 2460

Ion Ratio Lower Upper

178 100

179 24.7 17.3 25.9

176 23.4 20.5 30.7



#19

Fluoranthene

Concen: 1.719 ng/ul

RT: 19.266 min Scan# 3604

Delta R.T. -0.028 min

Lab File: BM043076.D

Acq: 28 Nov 2023 17:44

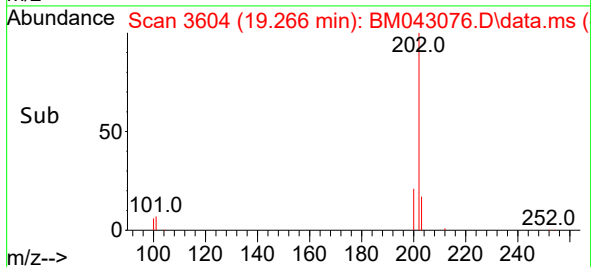
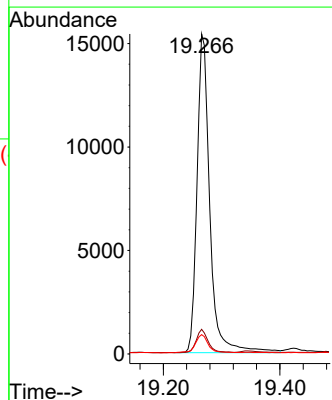
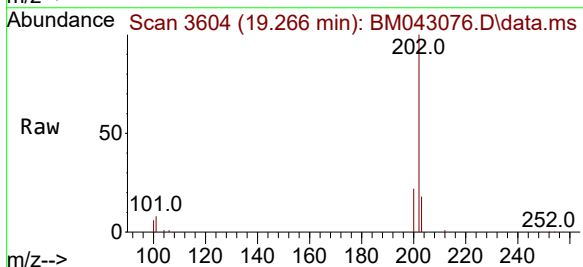
Tgt Ion:202 Resp: 23384

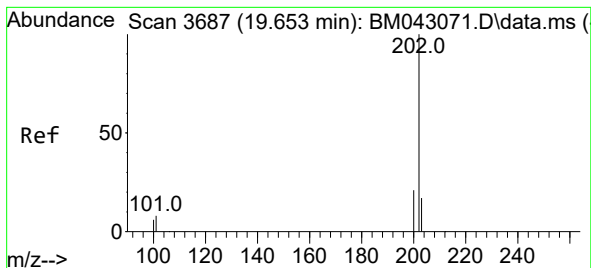
Ion Ratio Lower Upper

202 100

101 7.7 7.8 11.8#

100 6.0 7.1 10.7#





#20

Pyrene

Concen: 1.424 ng/ul

RT: 19.633 min Scan# 3

Delta R.T. -0.028 min

Lab File: BM043076.D

Acq: 28 Nov 2023 17:44

Instrument :

BNA_M

ClientSampleId :

C0AH6

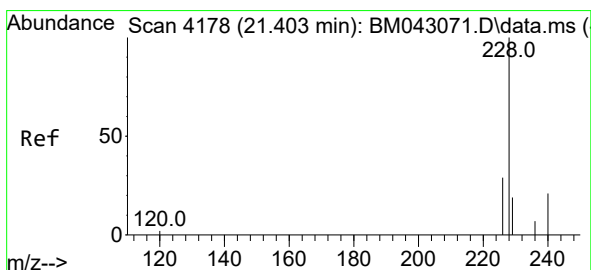
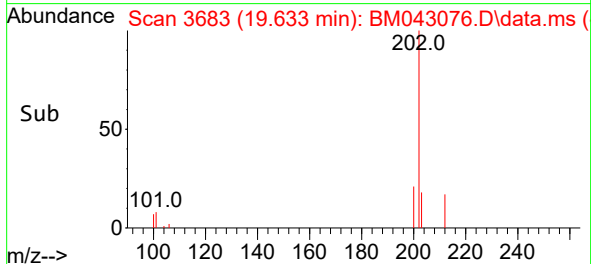
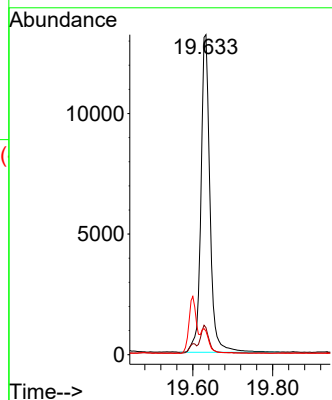
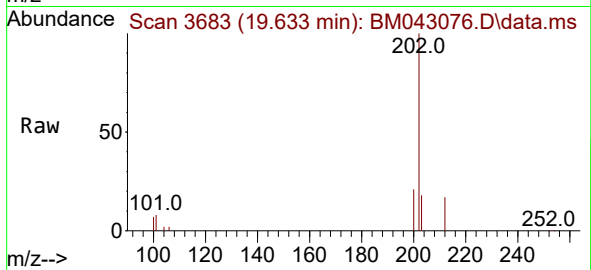
Tgt Ion:202 Resp: 20602

Ion Ratio Lower Upper

202 100

101 8.4 8.7 13.1#

100 7.4 7.8 11.8#



#21

Benzo(a)anthracene

Concen: 1.011 ng/ul

RT: 21.386 min Scan# 4172

Delta R.T. -0.026 min

Lab File: BM043076.D

Acq: 28 Nov 2023 17:44

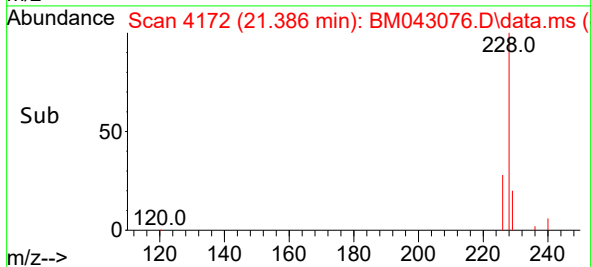
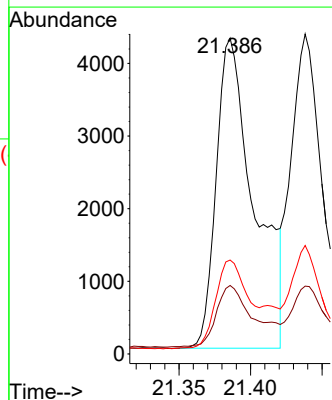
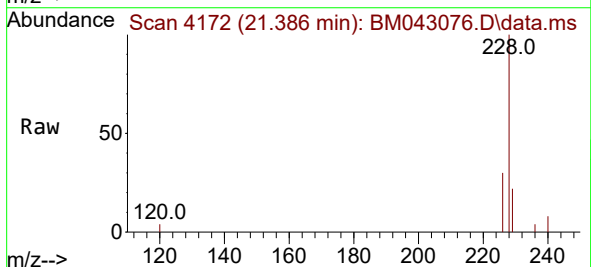
Tgt Ion:228 Resp: 7870

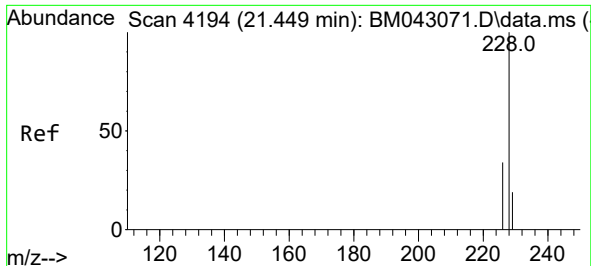
Ion Ratio Lower Upper

228 100

229 21.7 19.4 29.0

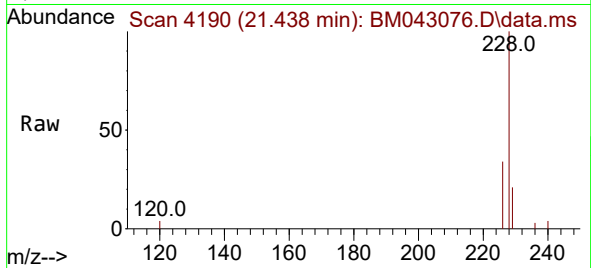
226 29.8 24.9 37.3





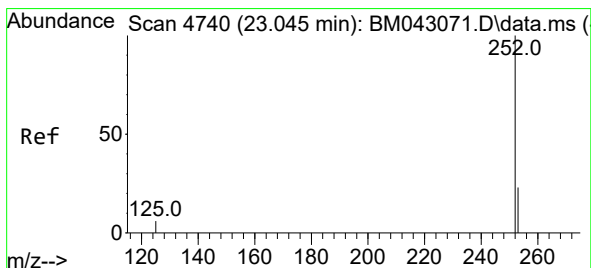
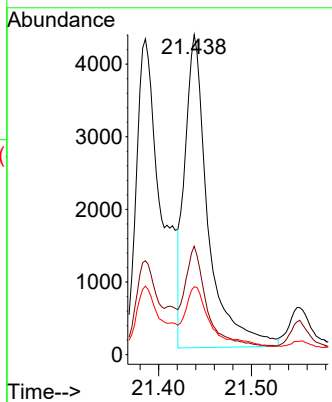
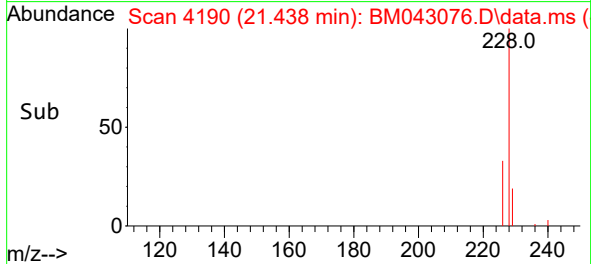
#22
Chrysene
Concen: 0.517 ng/ul
RT: 21.438 min Scan# 4190
Delta R.T. -0.020 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

Instrument :
BNA_M
ClientSampleId :
C0AH6

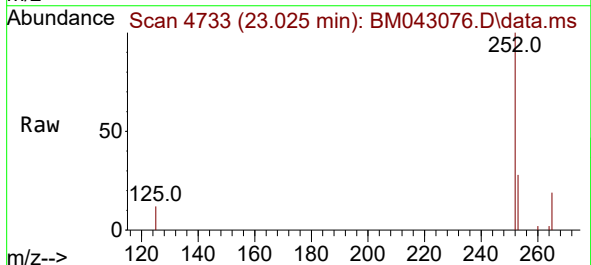


Tgt Ion:228 Resp: 7489

Ion	Ratio	Lower	Upper
228	100		
226	33.9	27.2	40.8
229	21.2	18.0	27.0

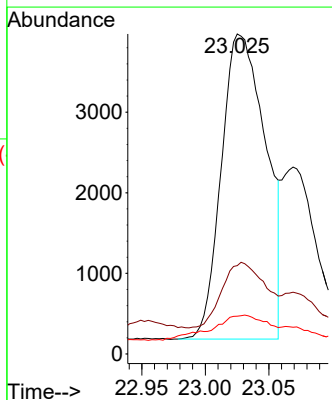
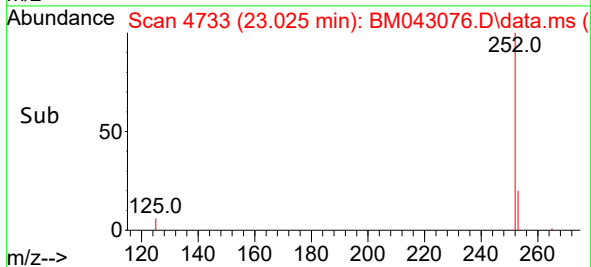


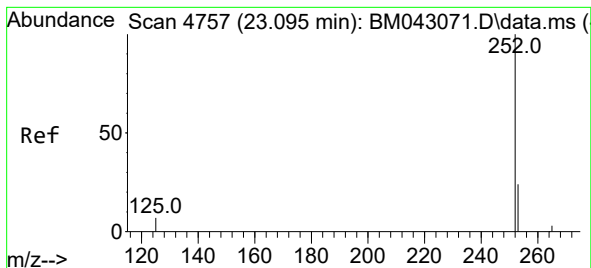
#24
Benzo(b)fluoranthene
Concen: 0.664 ng/ul
RT: 23.025 min Scan# 4733
Delta R.T. -0.026 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44



Tgt Ion:252 Resp: 9205

Ion	Ratio	Lower	Upper
252	100		
253	27.6	0.0	71.8
125	11.8	0.0	29.0





#25

Benzo(k)fluoranthene

Concen: 0.728 ng/ul

RT: 23.025 min Scan# 41

Delta R.T. -0.073 min

Lab File: BM043076.D

Acq: 28 Nov 2023 17:44

Instrument :

BNA_M

ClientSampleId :

C0AH6

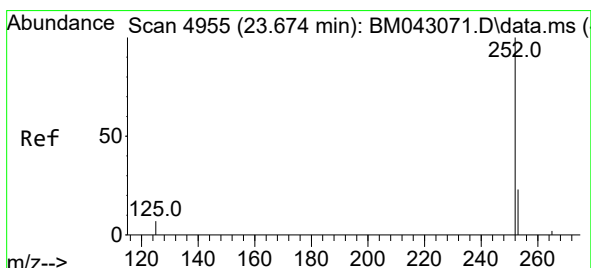
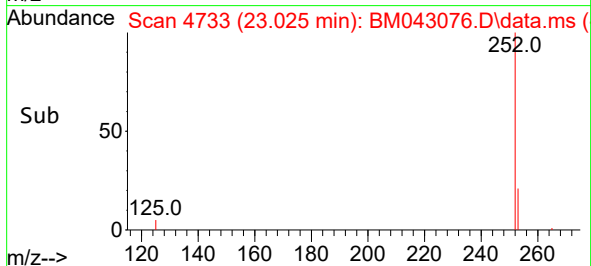
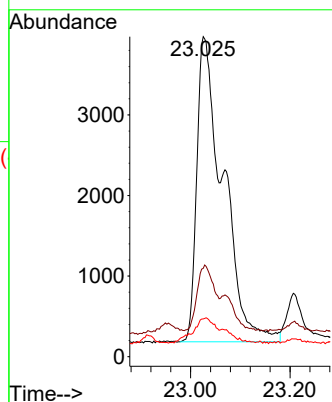
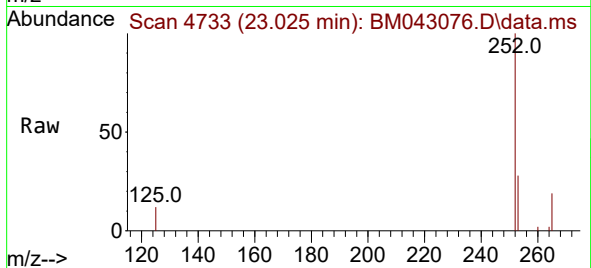
Tgt Ion:252 Resp: 13904

Ion Ratio Lower Upper

252 100

253 27.6 28.2 42.2#

125 11.8 11.0 16.6



#26

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.639 min Scan# 4943

Delta R.T. -0.047 min

Lab File: BM043076.D

Acq: 28 Nov 2023 17:44

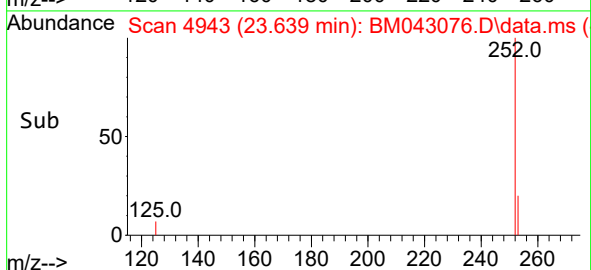
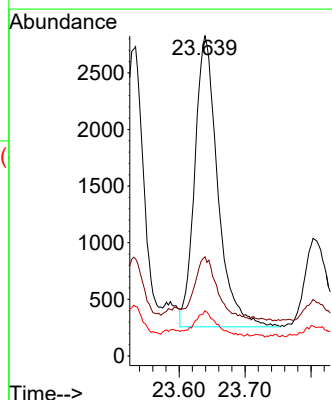
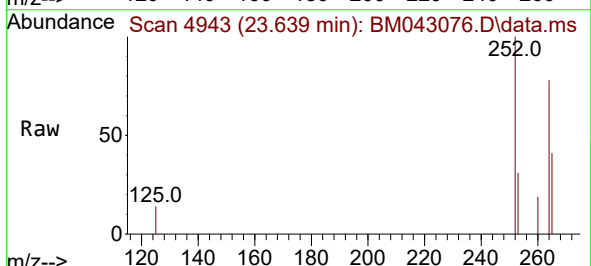
Tgt Ion:252 Resp: 6230

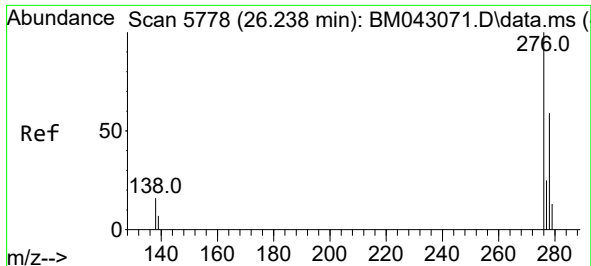
Ion Ratio Lower Upper

252 100

253 31.0 36.6 55.0#

125 14.2 16.2 24.4#

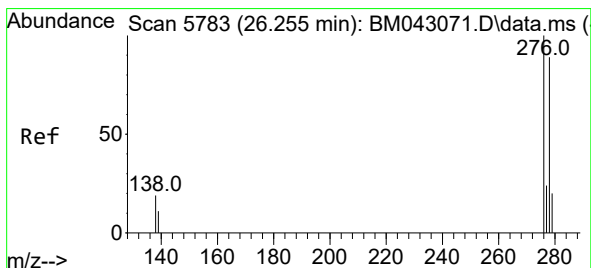
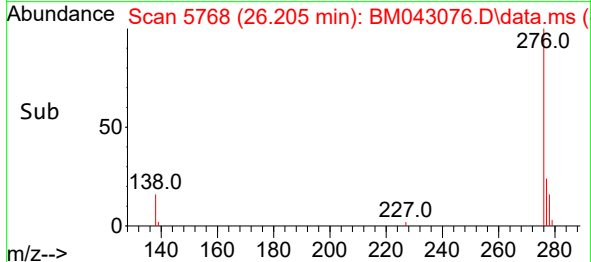
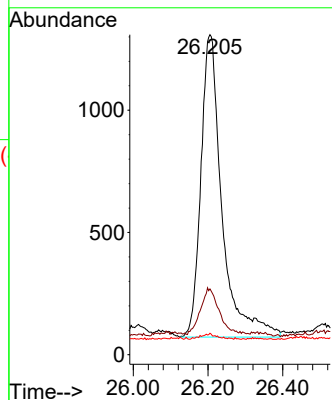
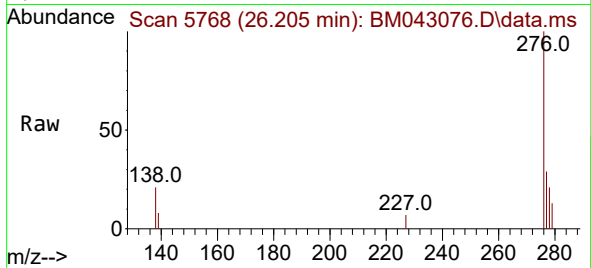




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.237 ng/ul
RT: 26.205 min Scan# 5768
Delta R.T. -0.033 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

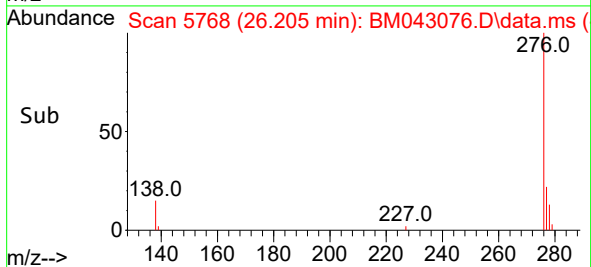
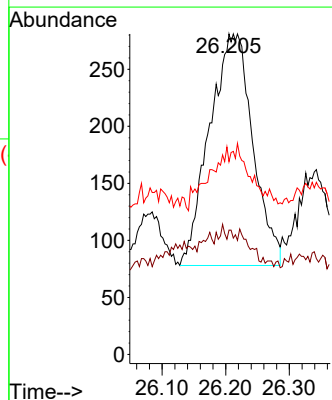
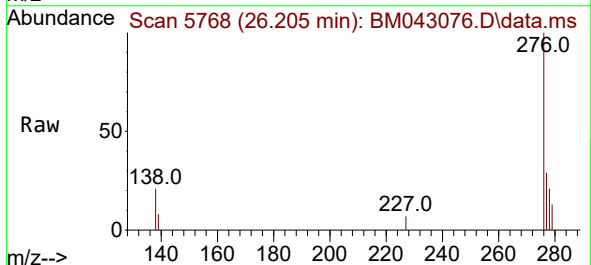
Instrument :
BNA_M
ClientSampleId :
C0AH6

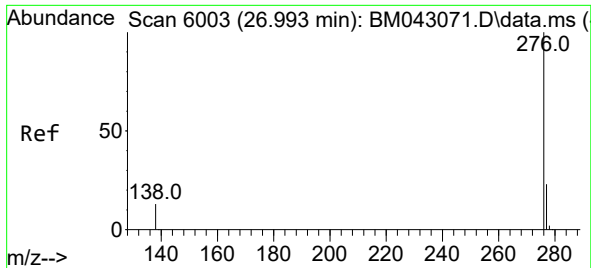
Tgt Ion:276 Resp: 4849
Ion Ratio Lower Upper
276 100
138 14.7 0.0 0.0#
227 1.4 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 26.205 min Scan# 5768
Delta R.T. -0.070 min
Lab File: BM043076.D
Acq: 28 Nov 2023 17:44

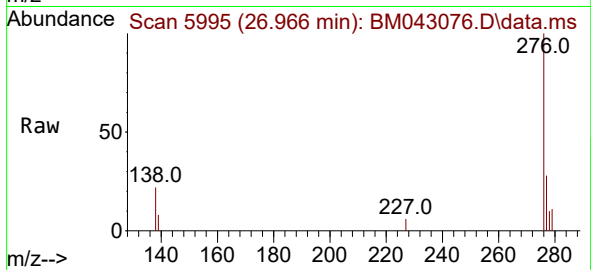
Tgt Ion:278 Resp: 963
Ion Ratio Lower Upper
278 100
139 38.8 18.1 27.1#
279 60.1 34.4 51.6#





#29
 Benzo(g,h,i)perylene
 Concen: 0.223 ng/ul
 RT: 26.966 min Scan# 51
 Delta R.T. -0.044 min
 Lab File: BM043076.D
 Acq: 28 Nov 2023 17:44

Instrument :
 BNA_M
 ClientSampleId :
 C0AH6



Tgt Ion:	276	Resp:	4439
Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.8	26.8
277	27.7	23.8	35.8

