

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043078.D
 Acq On : 28 Nov 2023 18:57
 Operator : MA/JU
 Sample : 05416-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ9

Quant Time: Nov 28 23:39:24 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

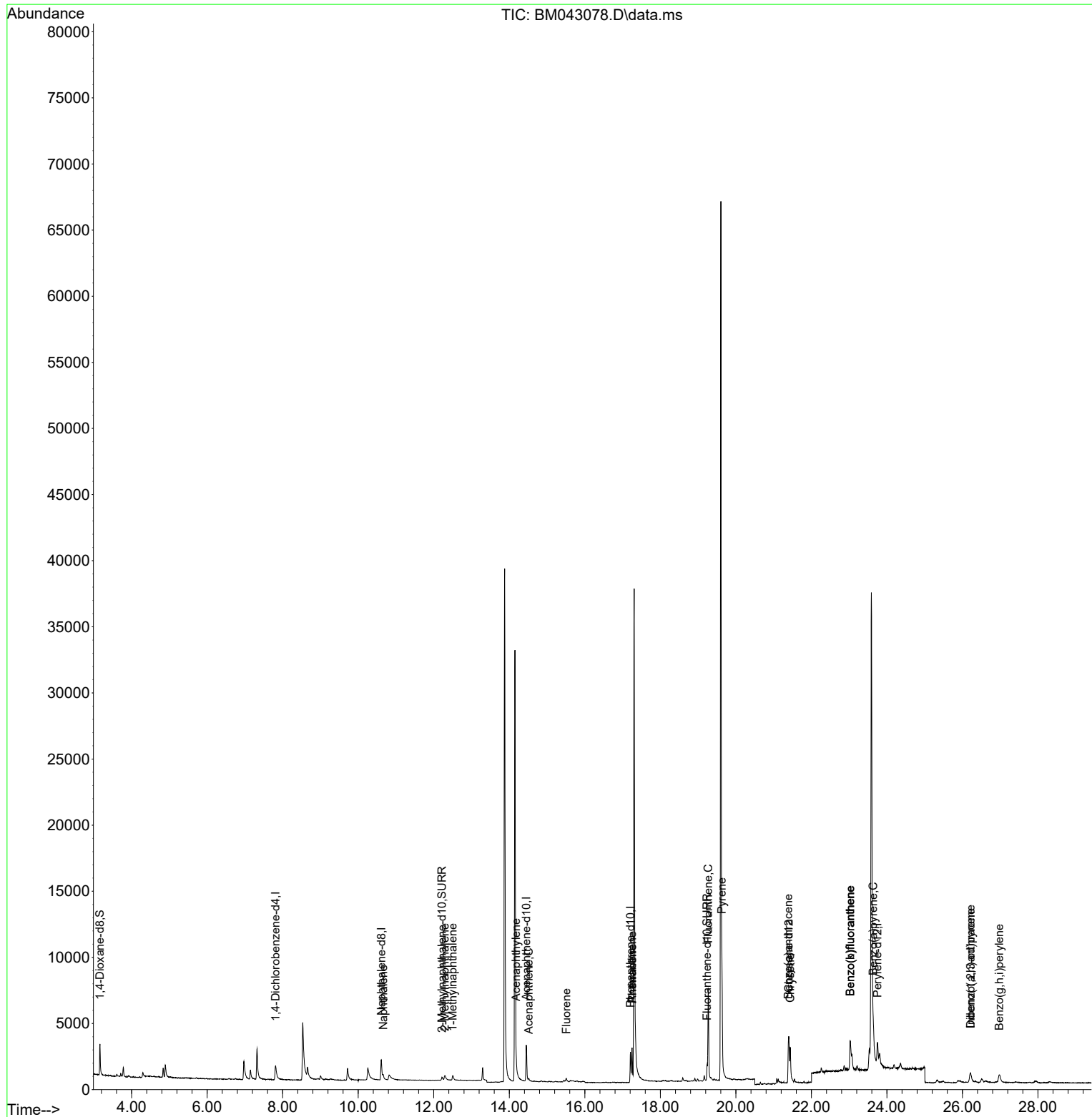
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	899	0.400	ng/ul	#-0.07
4) Naphthalene-d8	10.612	136	2882	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.451	164	1543	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.209	188	3319	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	2388	0.400	ng/ul	-0.02
23) Perylene-d12	23.750	264	3749	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.159	96	1575	1.142	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.218	152	609	0.158	ng/ul	-0.03
18) Fluoranthene-d10	19.239	212	1403	0.161	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.661	128	536	0.068	ng/ul#	82
7) 2-Methylnaphthalene	12.295	142	513	0.111	ng/ul	85
8) 1-Methylnaphthalene	12.504	142	355	0.069	ng/ul	97
10) Acenaphthylene	14.178	152	381	0.048	ng/ul#	62
11) Acenaphthene	14.516	153	142	0.024	ng/ul#	89
12) Fluorene	15.510	166	189	0.031	ng/ul#	89
15) Phenanthrene	17.251	178	3051	0.322	ng/ul	98
16) Anthracene	17.251	178	2963	0.330	ng/ul	94
19) Fluoranthene	19.267	202	7477	0.552	ng/ul#	95
20) Pyrene	19.629	202	6828	0.474	ng/ul	98
21) Benzo(a)anthracene	21.388	228	3409	0.440	ng/ul	99
22) Chrysene	21.438	228	3203	0.222	ng/ul	99
24) Benzo(b)fluoranthene	23.028	252	4105	0.324	ng/ul	97
25) Benzo(k)fluoranthene	23.028	252	6210	0.356	ng/ul	97
26) Benzo(a)pyrene	23.639	252	2302	0.167	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.218	276	1860	0.100	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.218	278	474	0.033	ng/ul#	29
29) Benzo(g,h,i)perylene	26.976	276	1688	0.093	ng/ul#	87

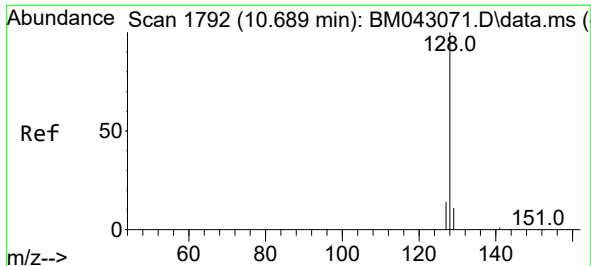
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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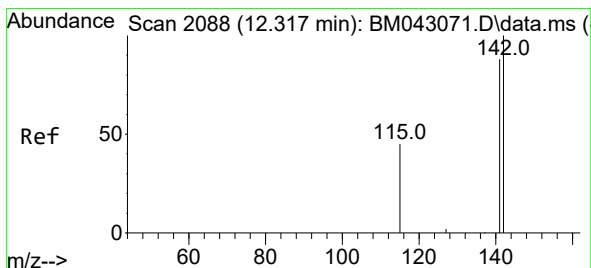
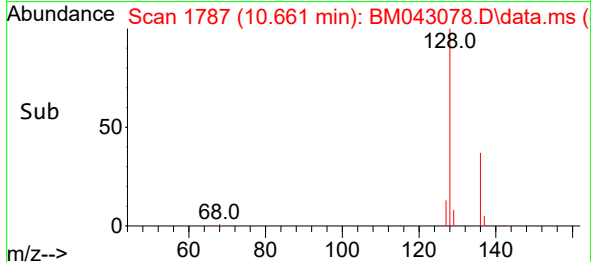
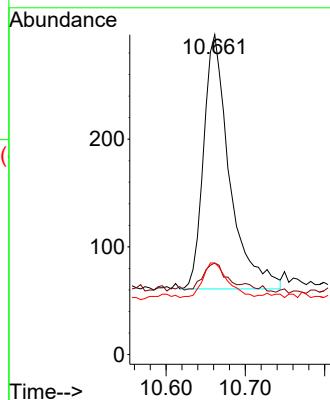
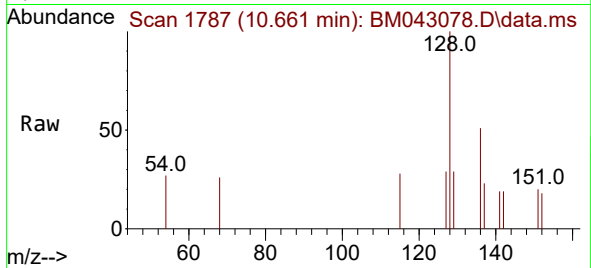




#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.661 min Scan# 1787
Delta R.T. -0.037 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

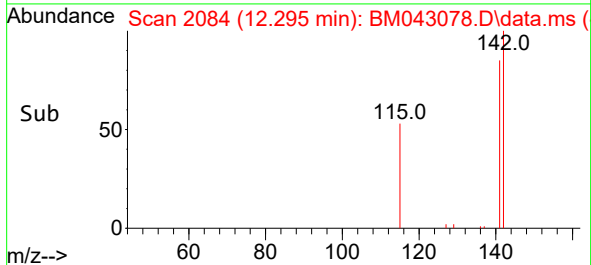
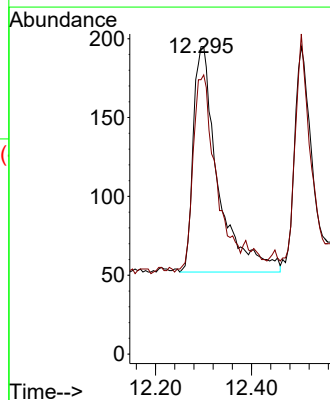
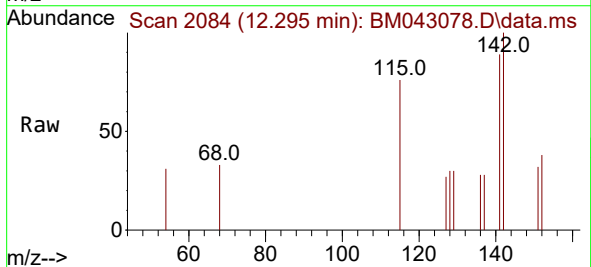
Instrument :
BNA_M
ClientSampleId :
C0AJ9

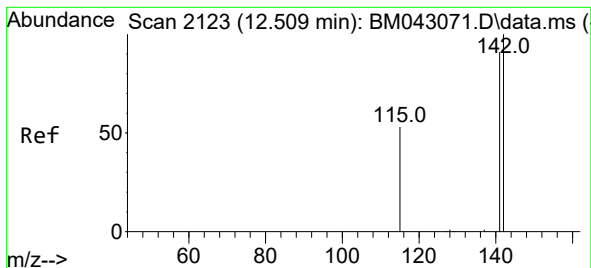
Tgt Ion:128 Resp: 536
Ion Ratio Lower Upper
128 100
129 28.6 16.0 24.0#
127 28.6 16.5 24.7#



#7
2-Methylnaphthalene
Concen: 0.111 ng/ul
RT: 12.295 min Scan# 2084
Delta R.T. -0.037 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Tgt Ion:142 Resp: 513
Ion Ratio Lower Upper
142 100
141 80.9 76.1 114.1





#8

1-Methylnaphthalene

Concen: 0.069 ng/ul

RT: 12.504 min Scan# 2122

Delta R.T. -0.015 min

Lab File: BM043078.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_M

ClientSampleId :

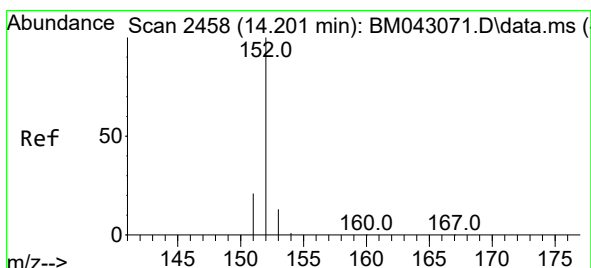
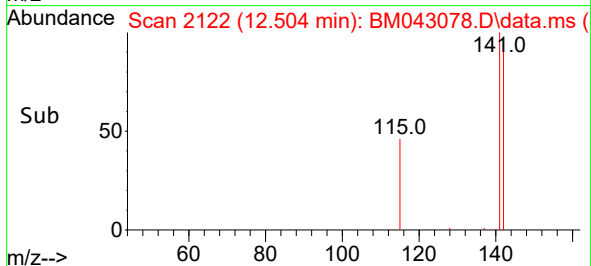
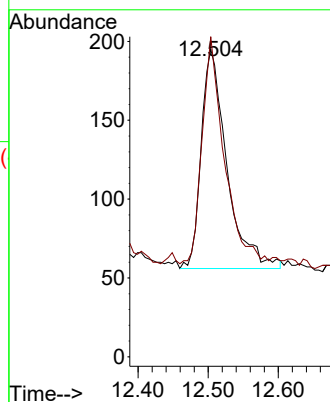
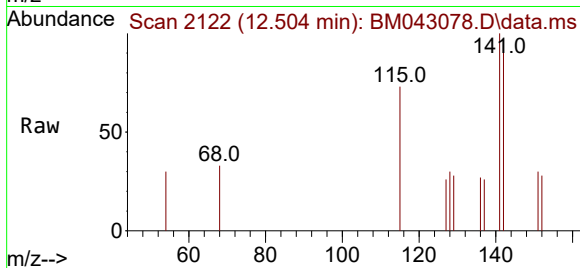
C0AJ9

Tgt Ion:142 Resp: 355

Ion Ratio Lower Upper

142 100

141 89.9 73.8 110.8



#10

Acenaphthylene

Concen: 0.048 ng/ul

RT: 14.178 min Scan# 2453

Delta R.T. -0.026 min

Lab File: BM043078.D

Acq: 28 Nov 2023 18:57

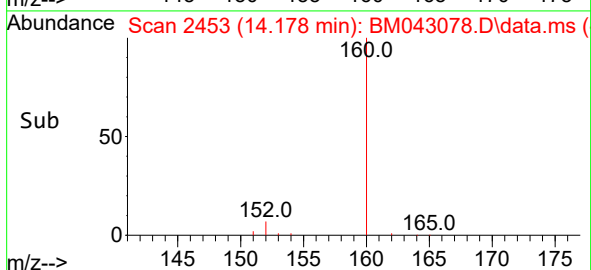
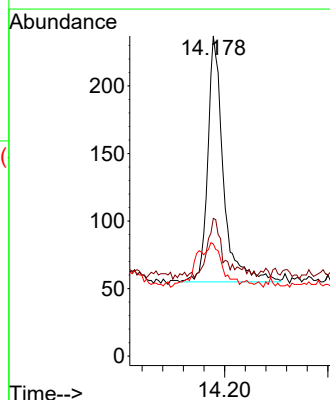
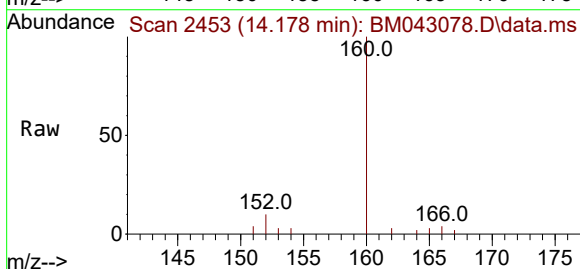
Tgt Ion:152 Resp: 381

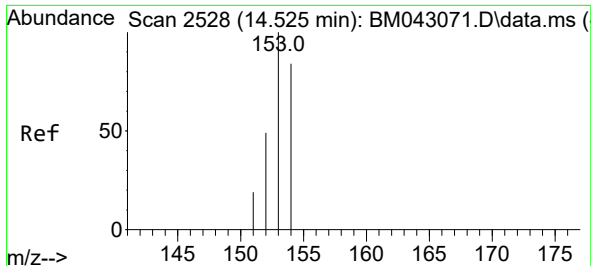
Ion Ratio Lower Upper

152 100

151 43.0 19.4 29.0#

153 35.0 14.6 21.8#

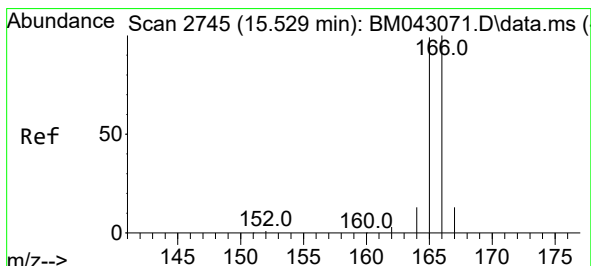
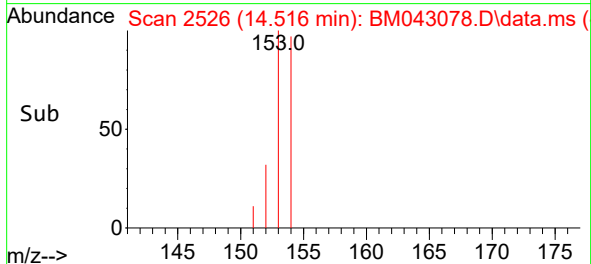
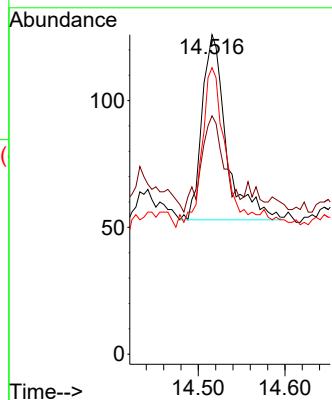
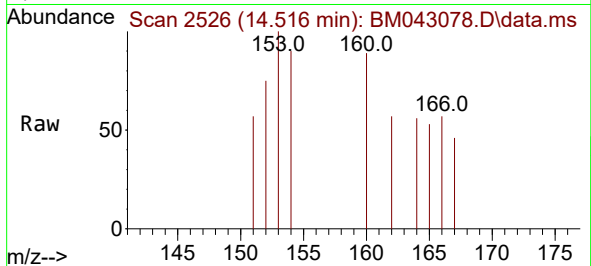




#11
Acenaphthene
Concen: 0.024 ng/ul
RT: 14.516 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

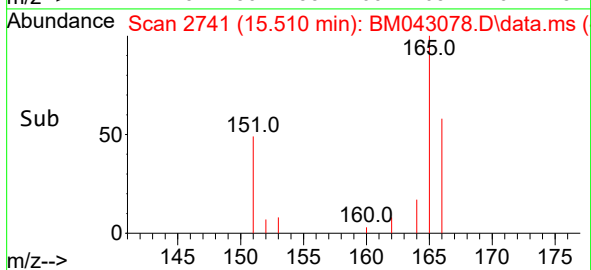
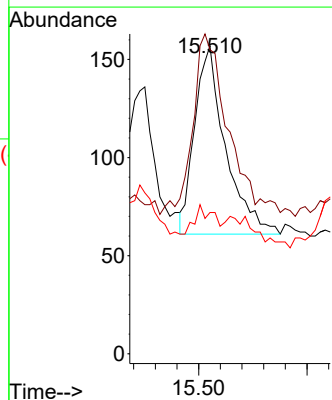
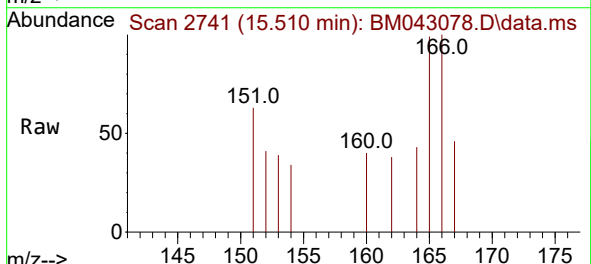
Instrument :
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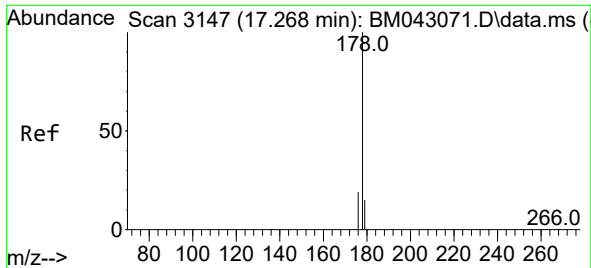
Tgt Ion:153 Resp: 142
Ion Ratio Lower Upper
153 100
152 74.6 43.9 65.9#
154 89.7 70.6 105.8



#12
Fluorene
Concen: 0.031 ng/ul
RT: 15.510 min Scan# 2741
Delta R.T. -0.026 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Tgt Ion:166 Resp: 189
Ion Ratio Lower Upper
166 100
165 98.7 79.9 119.9
167 45.9 14.2 21.4#

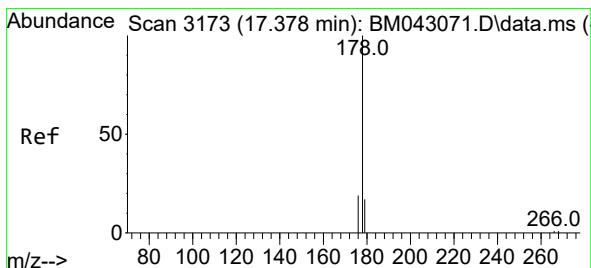
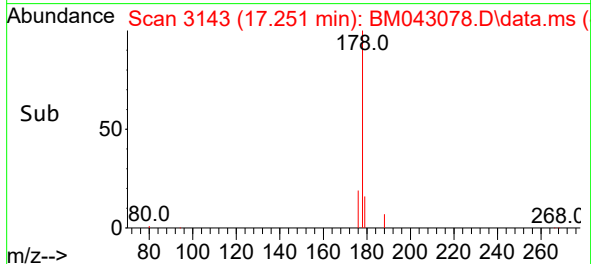
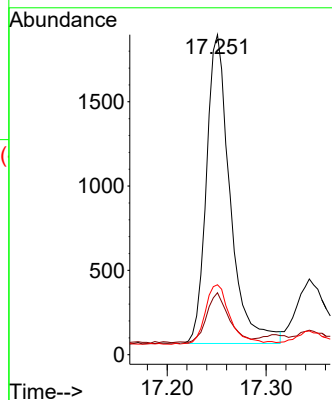
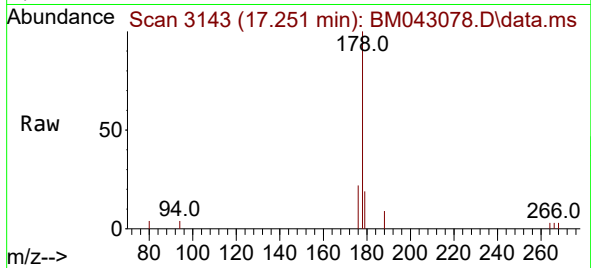




#15
Phenanthrene
Concen: 0.322 ng/ul
RT: 17.251 min Scan# 3143
Delta R.T. -0.028 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

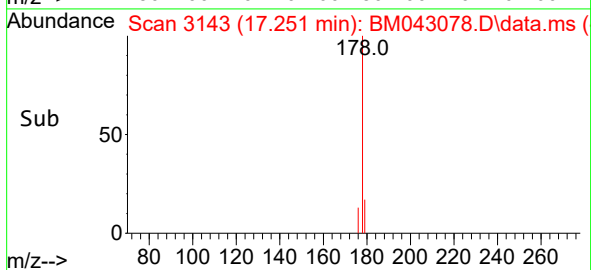
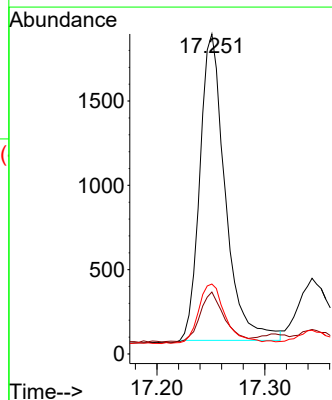
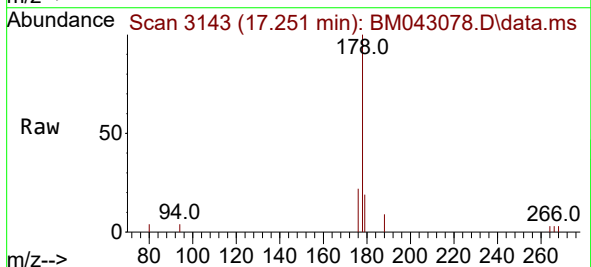
Instrument :
BNA_M
ClientSampleId :
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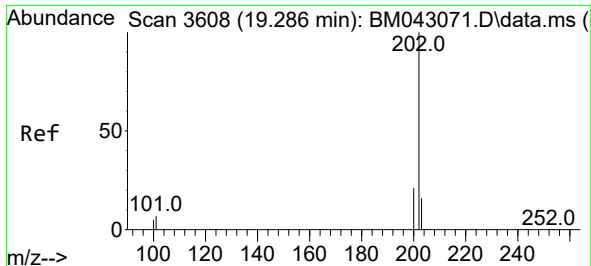
Tgt Ion:178 Resp: 3051
Ion Ratio Lower Upper
178 100
179 19.3 15.7 23.5
176 21.9 18.9 28.3



#16
Anthracene
Concen: 0.330 ng/ul
RT: 17.251 min Scan# 3143
Delta R.T. -0.142 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Tgt Ion:178 Resp: 2963
Ion Ratio Lower Upper
178 100
179 19.3 17.3 25.9
176 21.9 20.5 30.7

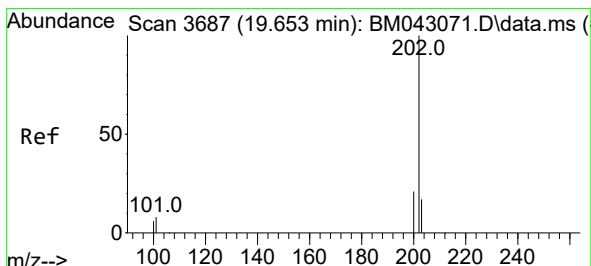
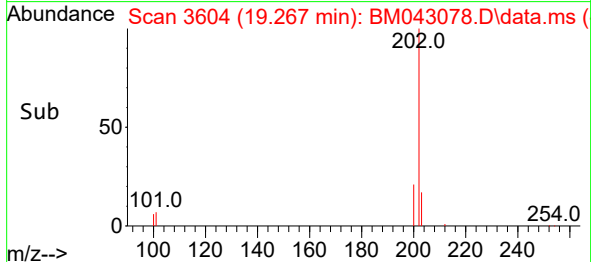
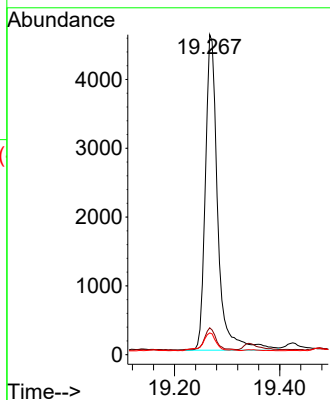
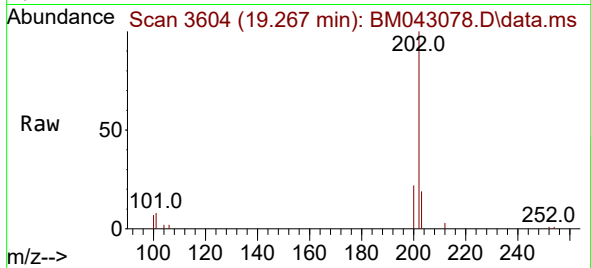




#19
Fluoranthene
Concen: 0.552 ng/ul
RT: 19.267 min Scan# 3604
Delta R.T. -0.027 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

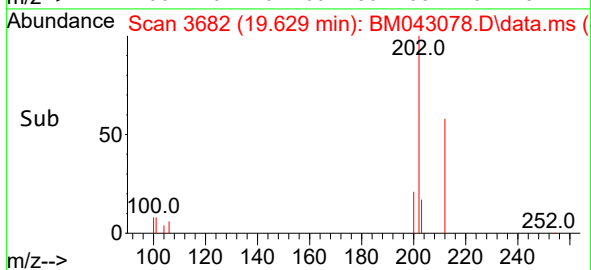
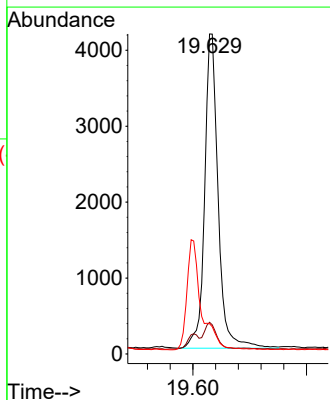
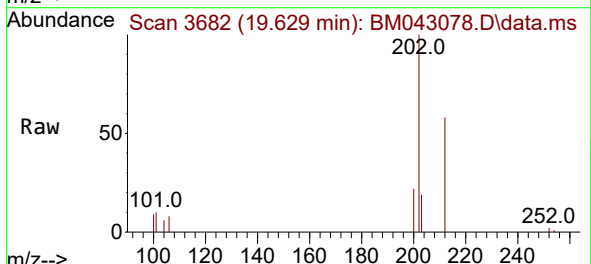
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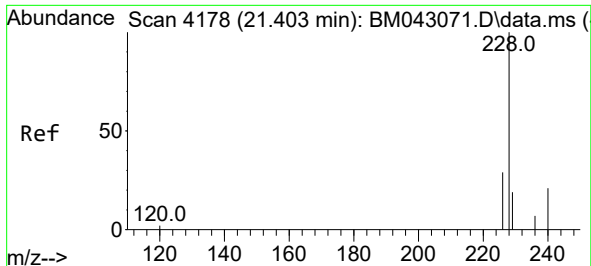
Tgt Ion:202 Resp: 7477
Ion Ratio Lower Upper
202 100
101 8.4 7.8 11.8
100 6.8 7.1 10.7#



#20
Pyrene
Concen: 0.474 ng/ul
RT: 19.629 min Scan# 3682
Delta R.T. -0.031 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

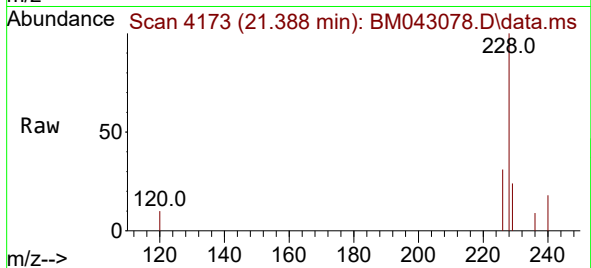
Tgt Ion:202 Resp: 6828
Ion Ratio Lower Upper
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101 9.9 8.7 13.1
100 9.4 7.8 11.8



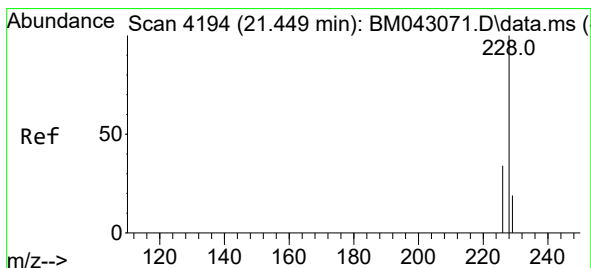
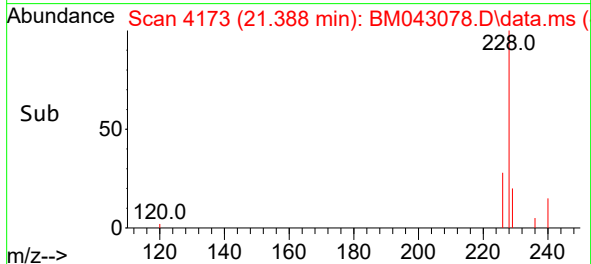
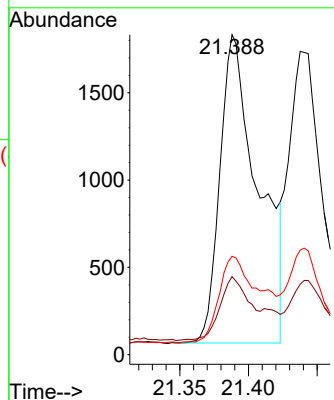


#21
Benzo(a)anthracene
Concen: 0.440 ng/ul
RT: 21.388 min Scan# 4173
Delta R.T. -0.024 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Instrument :
BNA_M
ClientSampleId :
C0AJ9

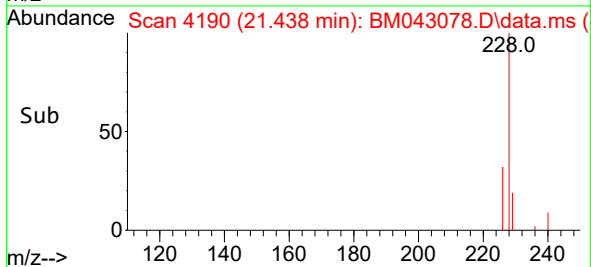
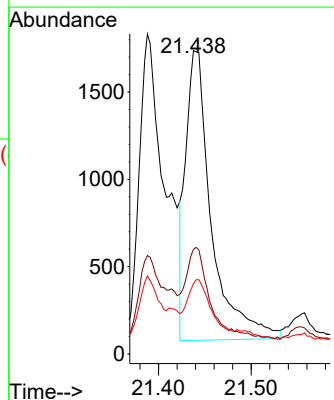
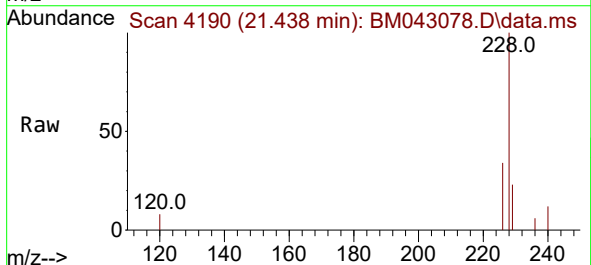


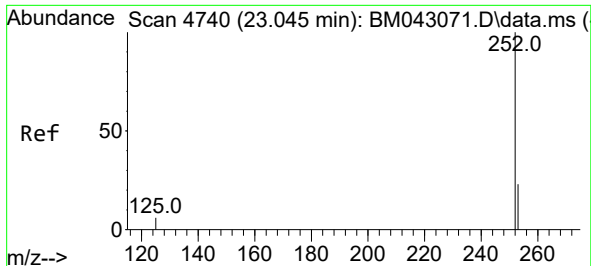
Tgt Ion:228 Resp: 3409
Ion Ratio Lower Upper
228 100
229 24.4 19.4 29.0
226 30.8 24.9 37.3



#22
Chrysene
Concen: 0.222 ng/ul
RT: 21.438 min Scan# 4190
Delta R.T. -0.021 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Tgt Ion:228 Resp: 3203
Ion Ratio Lower Upper
228 100
226 34.5 27.2 40.8
229 23.2 18.0 27.0

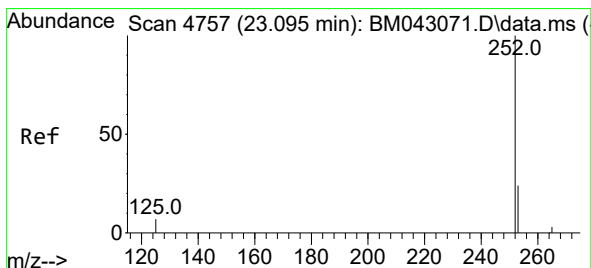
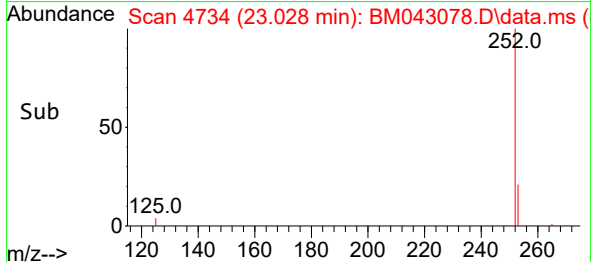
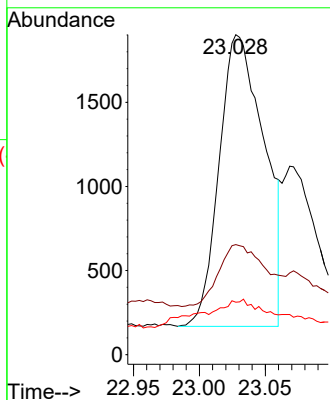
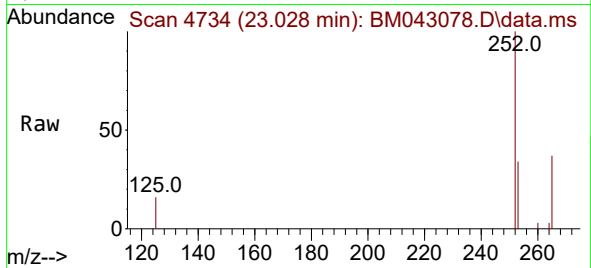




#24
Benzo(b)fluoranthene
Concen: 0.324 ng/ul
RT: 23.028 min Scan# 4734
Delta R.T. -0.024 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

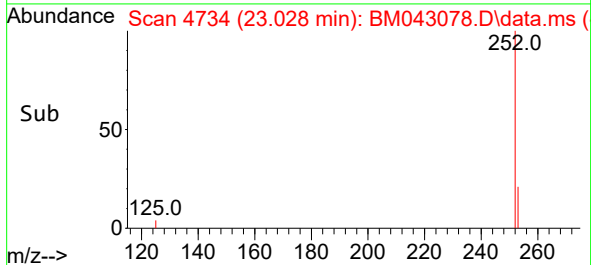
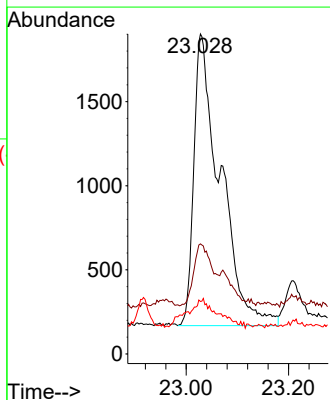
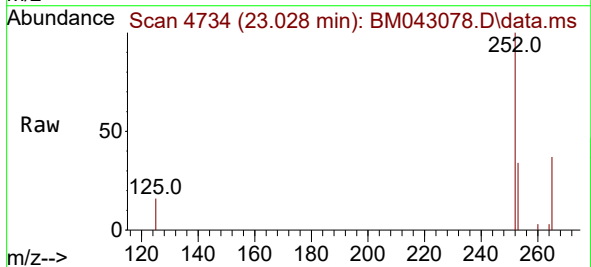
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ClientSampleId :
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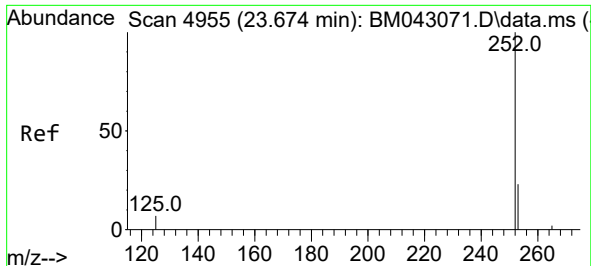
Tgt Ion:252 Resp: 4105
Ion Ratio Lower Upper
252 100
253 34.4 0.0 71.8
125 16.4 0.0 29.0



#25
Benzo(k)fluoranthene
Concen: 0.356 ng/ul
RT: 23.028 min Scan# 4734
Delta R.T. -0.071 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Tgt Ion:252 Resp: 6210
Ion Ratio Lower Upper
252 100
253 34.4 28.2 42.2
125 16.4 11.0 16.6

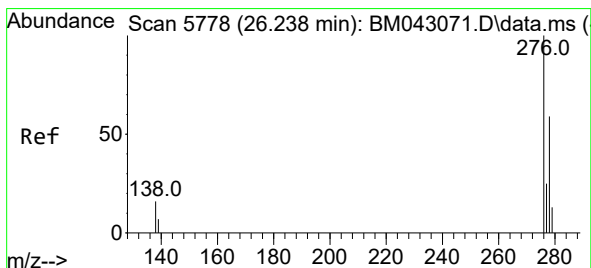
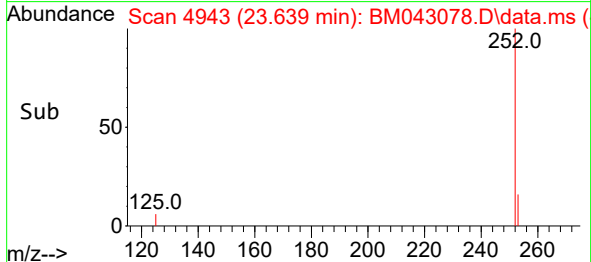
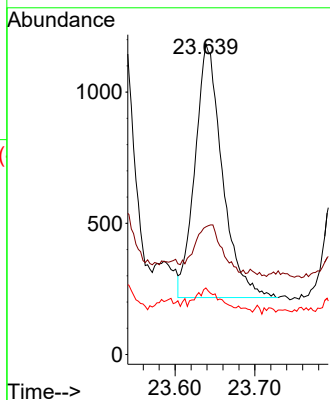
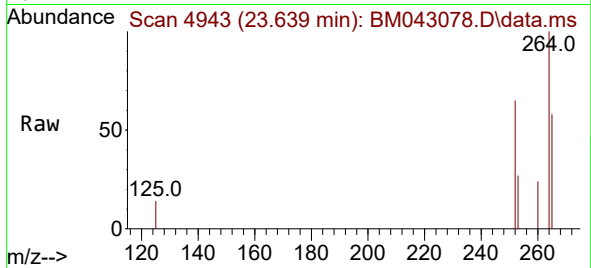




#26
Benzo(a)pyrene
Concen: 0.167 ng/ul
RT: 23.639 min Scan# 4943
Delta R.T. -0.047 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

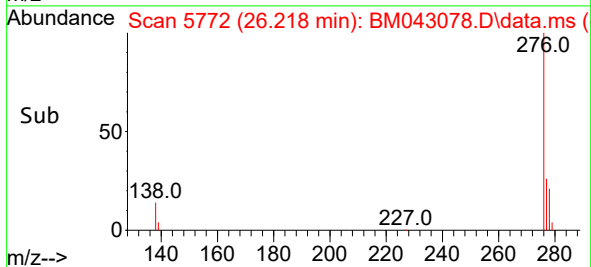
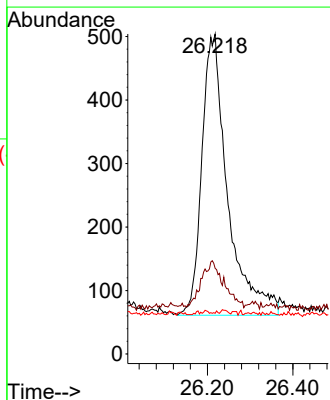
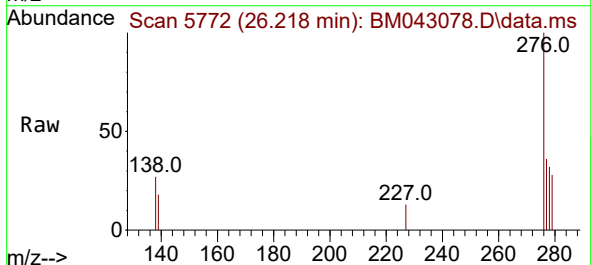
Instrument :
BNA_M
ClientSampleId :
C0AJ9

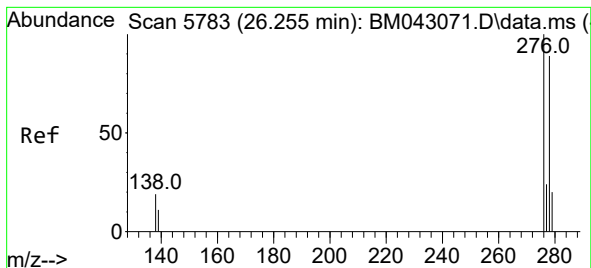
Tgt Ion:252 Resp: 2302
Ion Ratio Lower Upper
252 100
253 41.1 36.6 55.0
125 21.5 16.2 24.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.100 ng/ul
RT: 26.218 min Scan# 5772
Delta R.T. -0.021 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Tgt Ion:276 Resp: 1860
Ion Ratio Lower Upper
276 100
138 0.0 0.0 0.0
227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.033 ng/ul

RT: 26.218 min Scan# 5

Delta R.T. -0.057 min

Lab File: BM043078.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_M

ClientSampleId :

C0AJ9

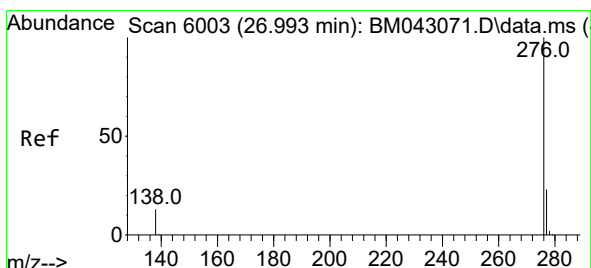
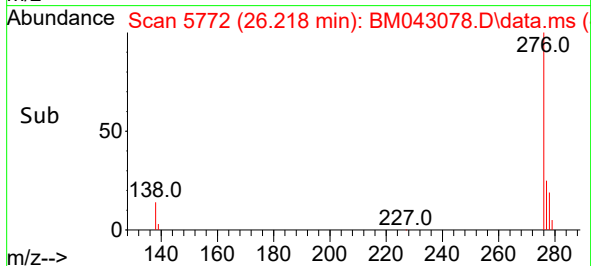
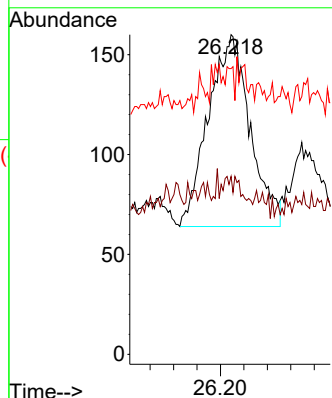
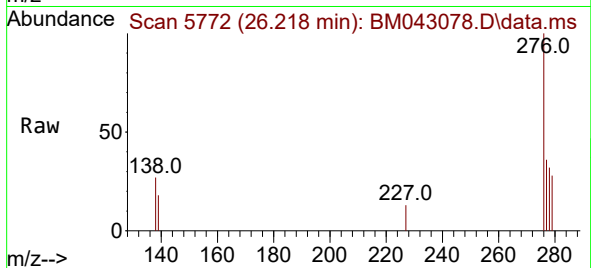
Tgt Ion:278 Resp: 474

Ion Ratio Lower Upper

278 100

139 55.6 18.1 27.1#

279 89.4 34.4 51.6#



#29

Benzo(g,h,i)perylene

Concen: 0.093 ng/ul

RT: 26.976 min Scan# 5998

Delta R.T. -0.034 min

Lab File: BM043078.D

Acq: 28 Nov 2023 18:57

Tgt Ion:276 Resp: 1688

Ion Ratio Lower Upper

276 100

138 29.1 17.8 26.8#

277 36.5 23.8 35.8#

