

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043080.D
 Acq On : 28 Nov 2023 20:09
 Operator : MA/JU
 Sample : 05416-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH5

Quant Time: Nov 28 23:39:47 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)

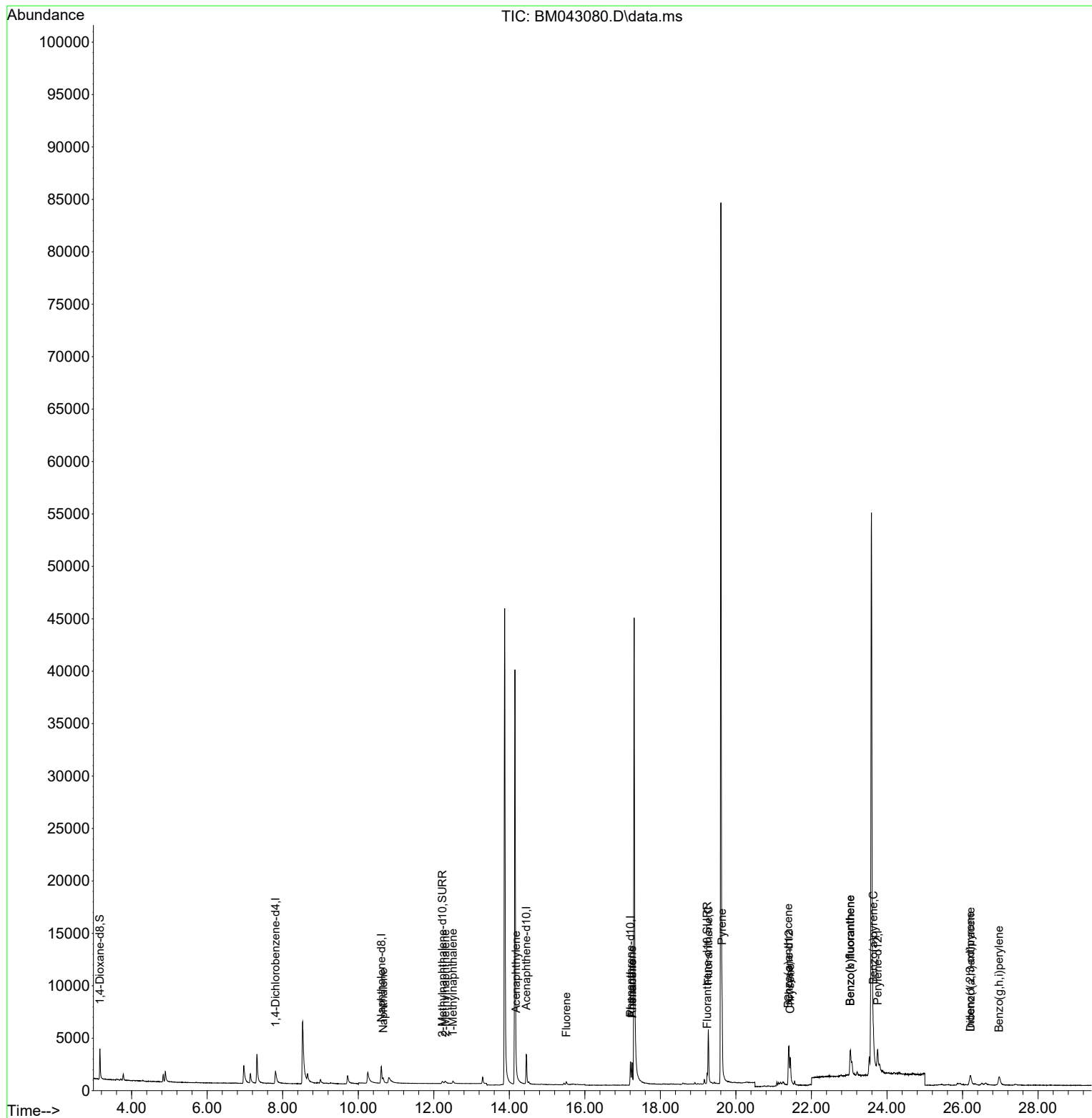
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	1004	0.400	ng/ul	#-0.07
4) Naphthalene-d8	10.611	136	3078	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.450	164	1624	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.212	188	3404	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	2569	0.400	ng/ul	-0.02
23) Perylene-d12	23.753	264	4327	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1913	1.242	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.227	152	538	0.131	ng/ul	-0.02
18) Fluoranthene-d10	19.242	212	1301	0.139	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.660	128	801	0.096	ng/ul#	92
7) 2-Methylnaphthalene	12.310	142	319	0.065	ng/ul	98
8) 1-Methylnaphthalene	12.508	142	251	0.046	ng/ul	98
10) Acenaphthylene	14.182	152	388	0.047	ng/ul#	70
12) Fluorene	15.509	166	182	0.028	ng/ul#	84
15) Phenanthrene	17.250	178	2420	0.249	ng/ul	99
16) Anthracene	17.250	178	2242	0.244	ng/ul	95
19) Fluoranthene	19.270	202	5515	0.379	ng/ul#	96
20) Pyrene	19.633	202	6434	0.415	ng/ul	98
21) Benzo(a)anthracene	21.389	228	3478	0.417	ng/ul	98
22) Chrysene	21.441	228	3107	0.200	ng/ul	97
24) Benzo(b)fluoranthene	23.031	252	4546	0.311	ng/ul	96
25) Benzo(k)fluoranthene	23.031	252	6687	0.333	ng/ul	96
26) Benzo(a)pyrene	23.642	252	3011	0.189	ng/ul	90
27) Indeno(1,2,3-cd)pyrene	26.202	276	2248	0.104	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.215	278	589	0.035	ng/ul#	41
29) Benzo(g,h,i)perylene	26.966	276	2280	0.109	ng/ul	94

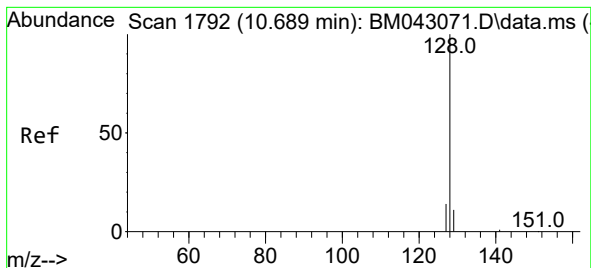
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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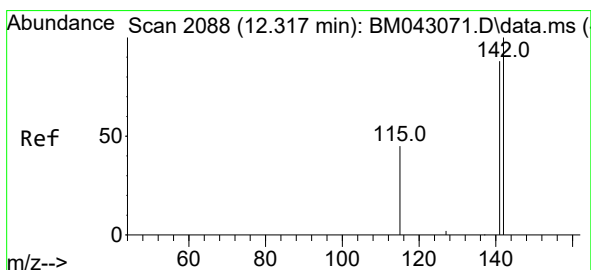
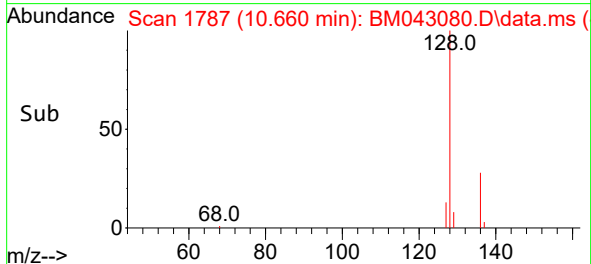
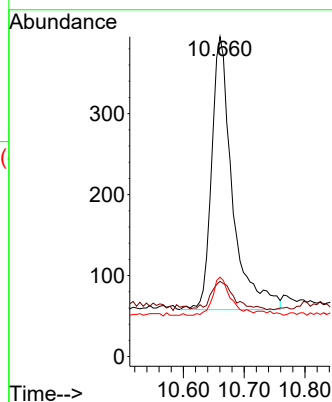
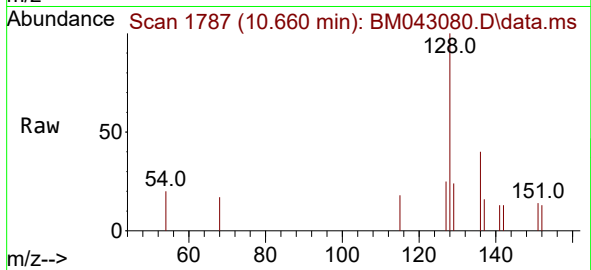




#5
Naphthalene
Concen: 0.096 ng/ul
RT: 10.660 min Scan# 1787
Delta R.T. -0.038 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

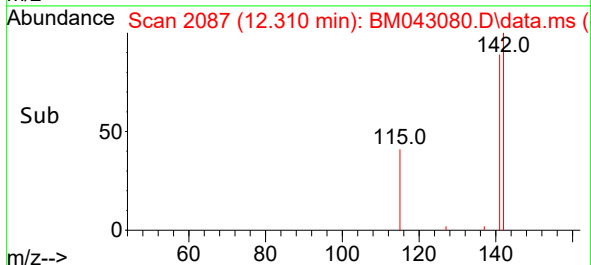
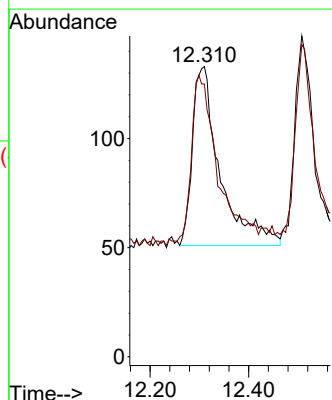
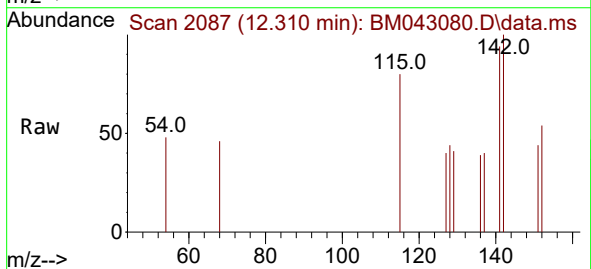
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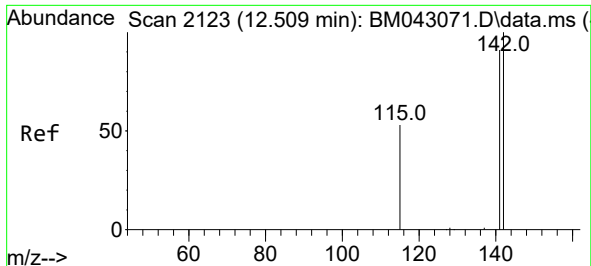
Tgt Ion:128 Resp: 801
Ion Ratio Lower Upper
128 100
129 23.5 16.0 24.0
127 24.8 16.5 24.7#



#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.310 min Scan# 2087
Delta R.T. -0.022 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:142 Resp: 319
Ion Ratio Lower Upper
142 100
141 93.1 76.1 114.1

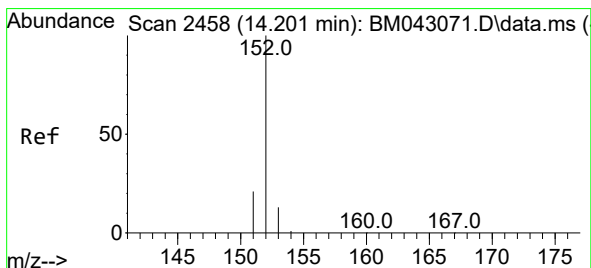
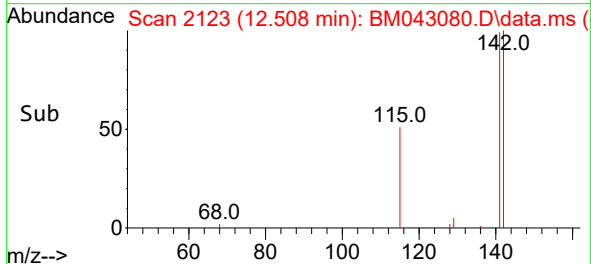
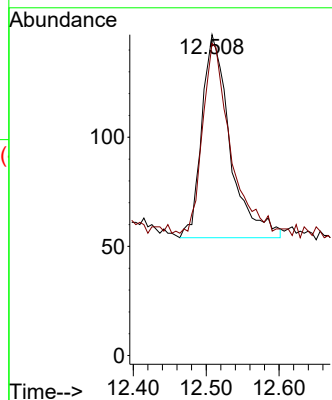
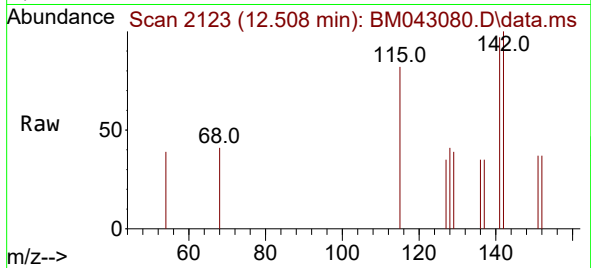




#8
1-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. -0.011 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

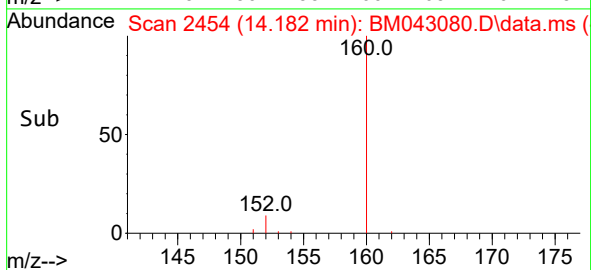
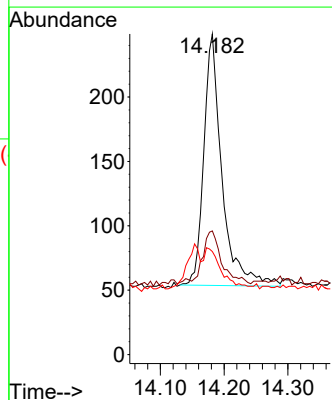
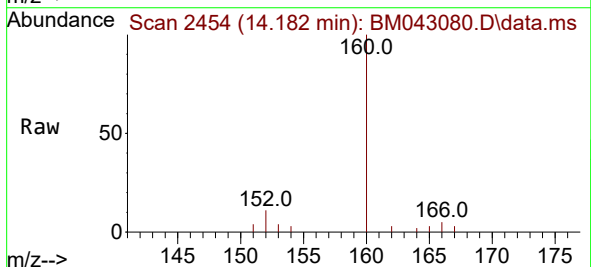
Instrument :
BNA_M
ClientSampleId :
C0AH5

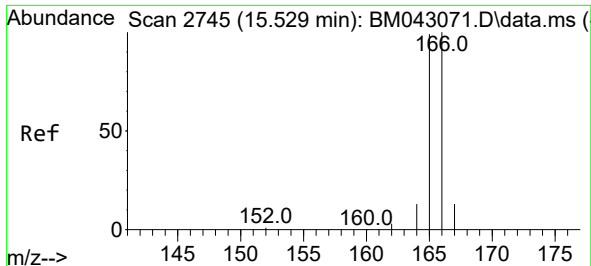
Tgt Ion:142 Resp: 251
Ion Ratio Lower Upper
142 100
141 90.8 73.8 110.8



#10
Acenaphthylene
Concen: 0.047 ng/ul
RT: 14.182 min Scan# 2454
Delta R.T. -0.023 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:152 Resp: 388
Ion Ratio Lower Upper
152 100
151 38.6 19.4 29.0#
153 32.1 14.6 21.8#

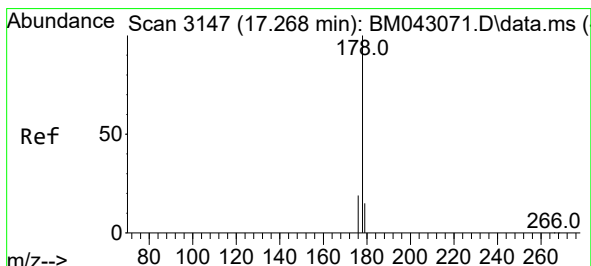
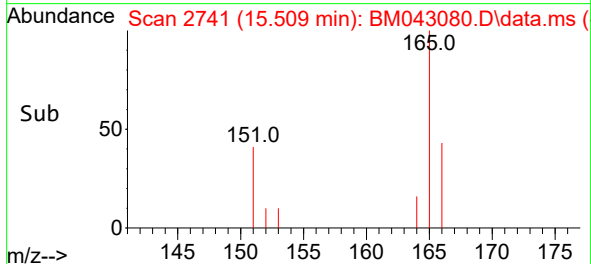
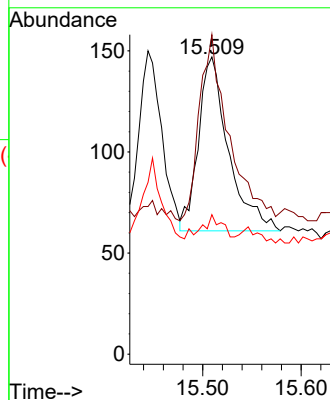
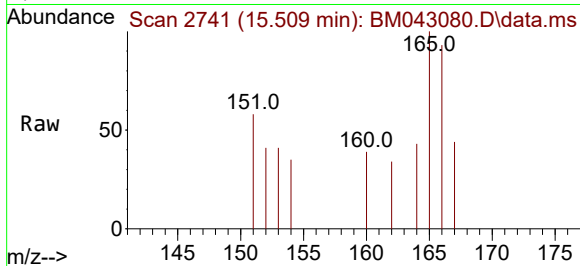




#12
Fluorene
Concen: 0.028 ng/ul
RT: 15.509 min Scan# 21
Delta R.T. -0.028 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

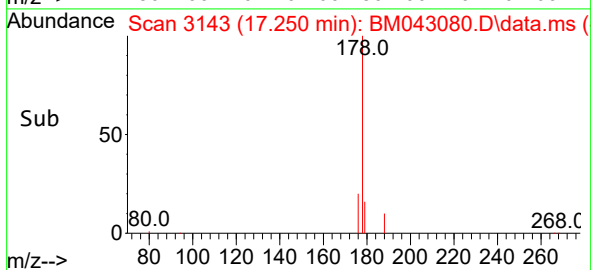
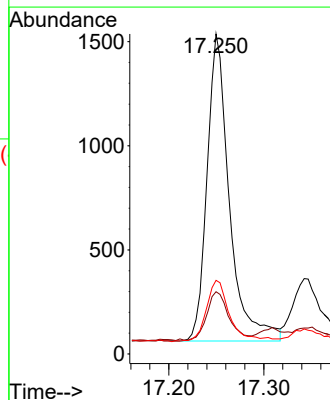
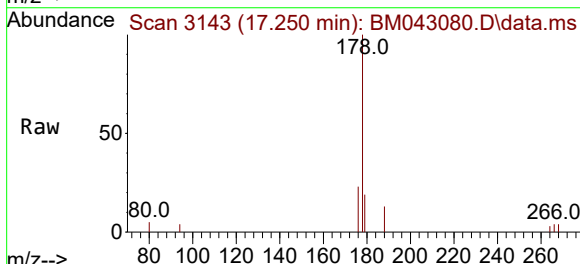
Instrument :
BNA_M
ClientSampleId :
C0AH5

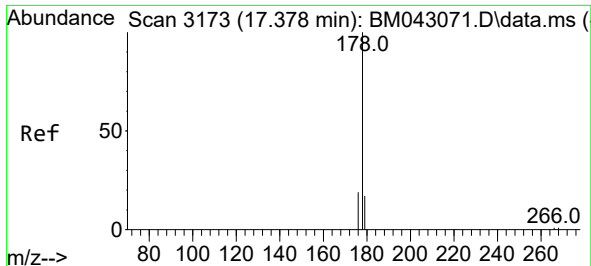
Tgt Ion:166 Resp: 182
Ion Ratio Lower Upper
166 100
165 107.5 79.9 119.9
167 46.9 14.2 21.4#



#15
Phenanthrene
Concen: 0.249 ng/ul
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:178 Resp: 2420
Ion Ratio Lower Upper
178 100
179 19.5 15.7 23.5
176 23.0 18.9 28.3

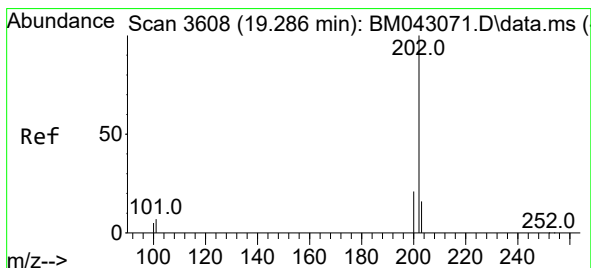
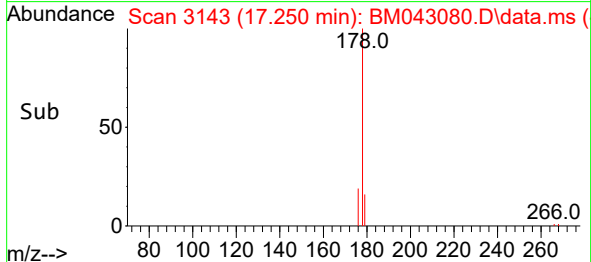
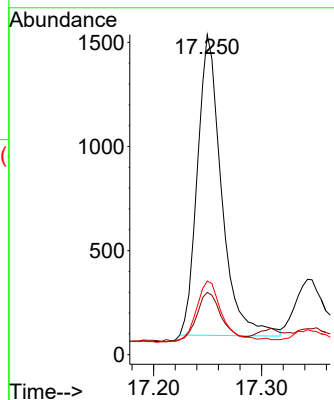
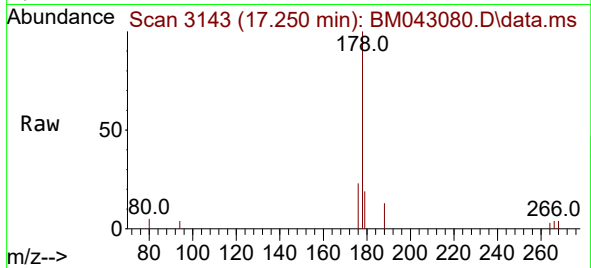




#16
 Anthracene
 Concen: 0.244 ng/ul
 RT: 17.250 min Scan# 3173
 Delta R.T. -0.143 min
 Lab File: BM043080.D
 Acq: 28 Nov 2023 20:09

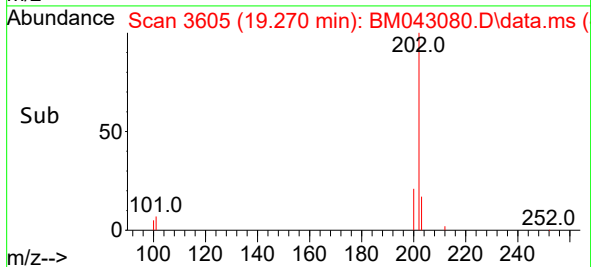
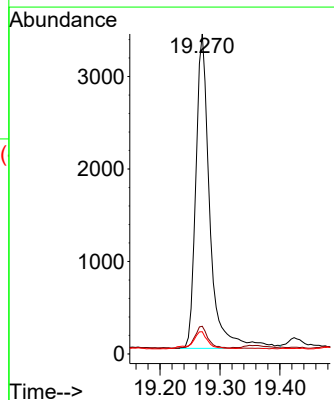
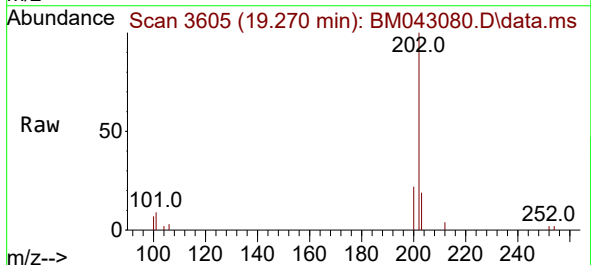
Instrument :
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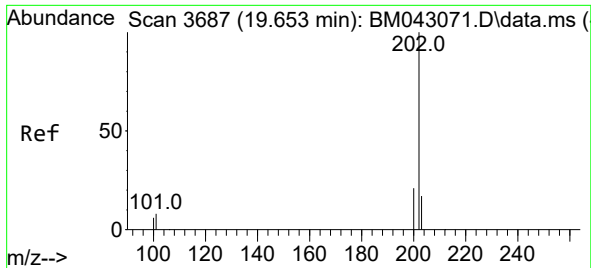
Tgt Ion:178 Resp: 2242
 Ion Ratio Lower Upper
 178 100
 179 19.5 17.3 25.9
 176 23.0 20.5 30.7



#19
 Fluoranthene
 Concen: 0.379 ng/ul
 RT: 19.270 min Scan# 3605
 Delta R.T. -0.023 min
 Lab File: BM043080.D
 Acq: 28 Nov 2023 20:09

Tgt Ion:202 Resp: 5515
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.8 11.8
 100 6.9 7.1 10.7#

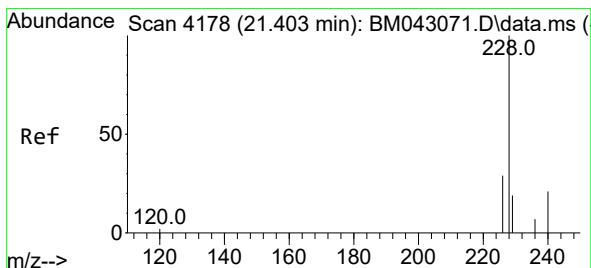
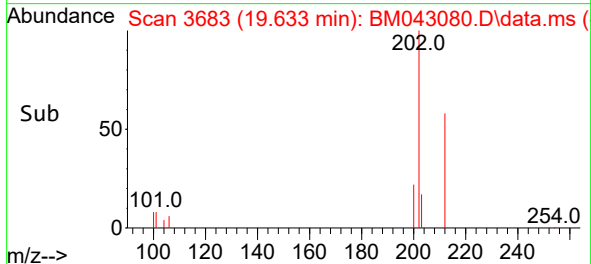
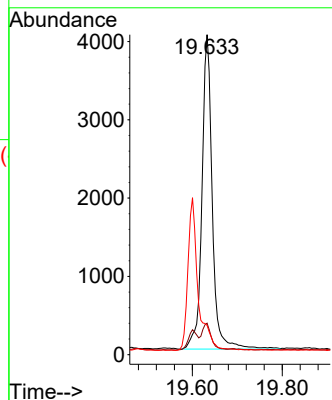
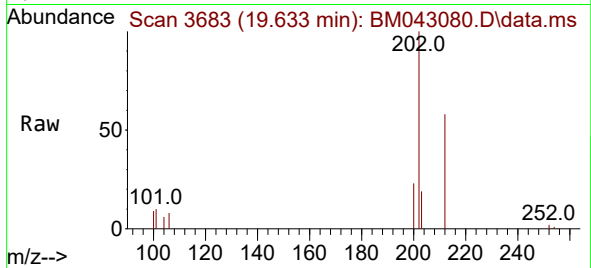




#20
Pyrene
Concen: 0.415 ng/ul
RT: 19.633 min Scan# 3683
Delta R.T. -0.028 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

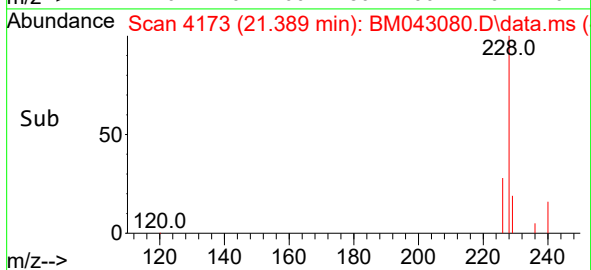
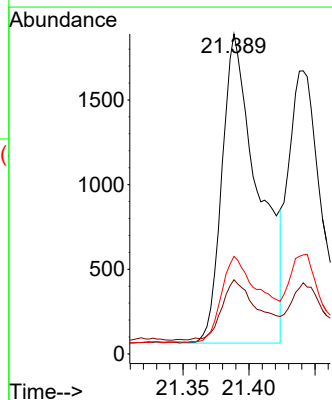
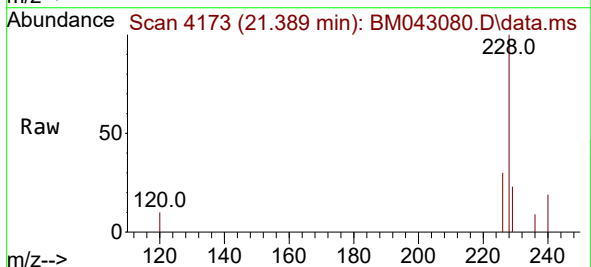
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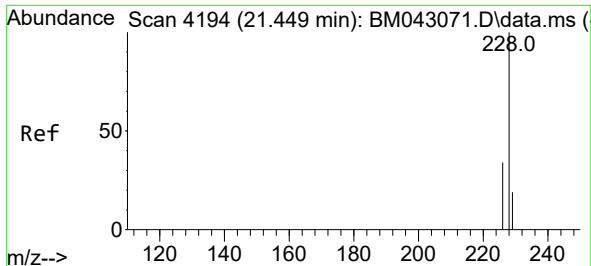
Tgt Ion:202 Resp: 6434
Ion Ratio Lower Upper
202 100
101 9.8 8.7 13.1
100 9.1 7.8 11.8



#21
Benzo(a)anthracene
Concen: 0.417 ng/ul
RT: 21.389 min Scan# 4173
Delta R.T. -0.023 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:228 Resp: 3478
Ion Ratio Lower Upper
228 100
229 23.2 19.4 29.0
226 30.5 24.9 37.3

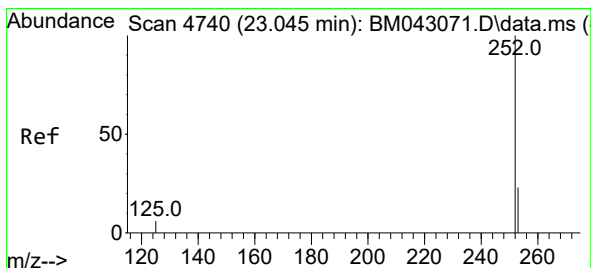
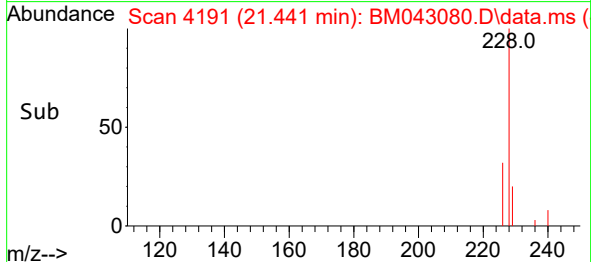
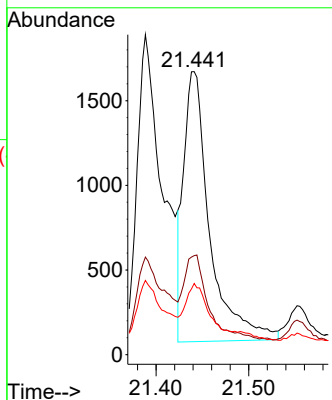
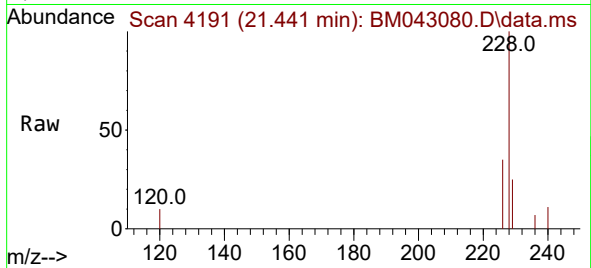




#22
Chrysene
Concen: 0.200 ng/ul
RT: 21.441 min Scan# 4191
Delta R.T. -0.017 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

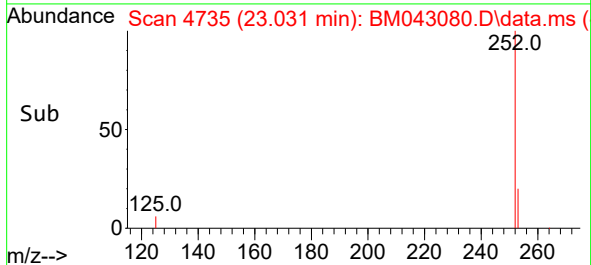
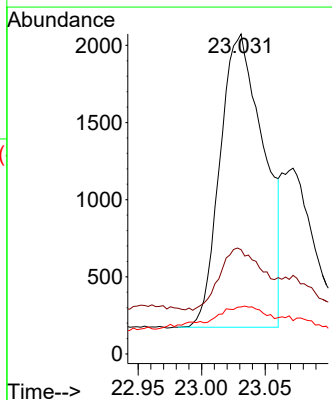
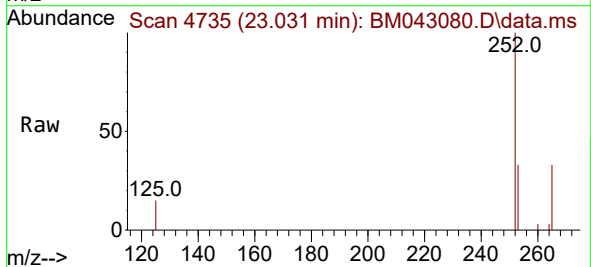
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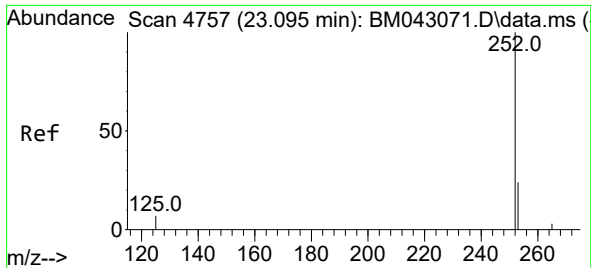
Tgt Ion:228 Resp: 3107
Ion Ratio Lower Upper
228 100
226 35.0 27.2 40.8
229 25.1 18.0 27.0



#24
Benzo(b)fluoranthene
Concen: 0.311 ng/ul
RT: 23.031 min Scan# 4735
Delta R.T. -0.020 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:252 Resp: 4546
Ion Ratio Lower Upper
252 100
253 32.6 0.0 71.8
125 14.7 0.0 29.0

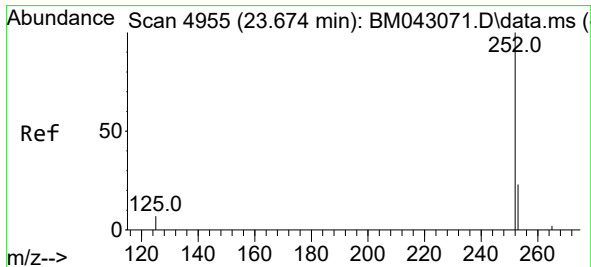
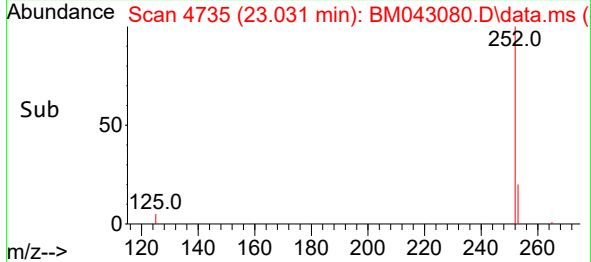
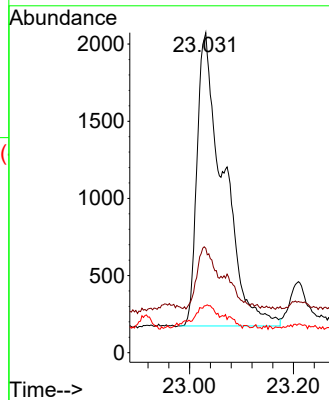
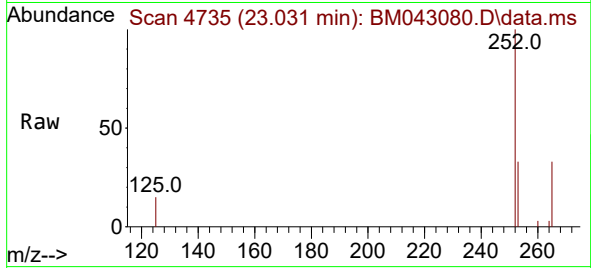




#25
Benzo(k)fluoranthene
Concen: 0.333 ng/ul
RT: 23.031 min Scan# 41
Delta R.T. -0.067 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

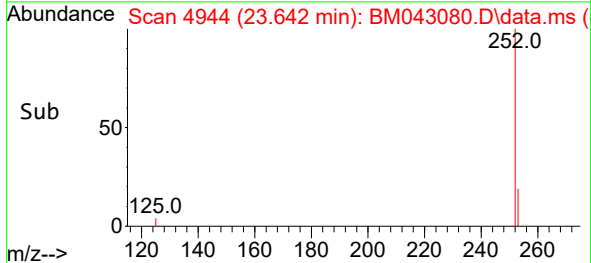
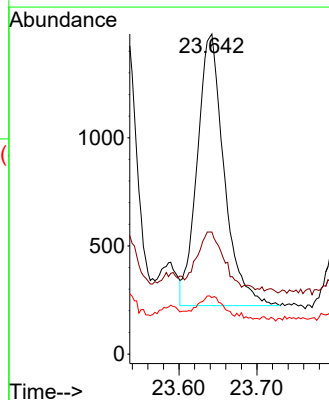
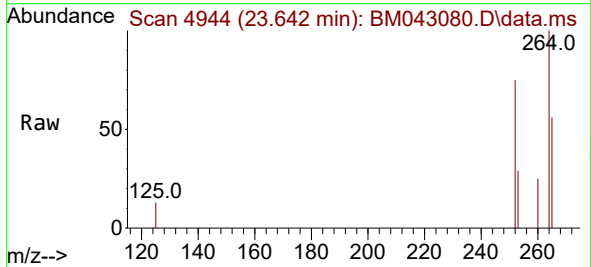
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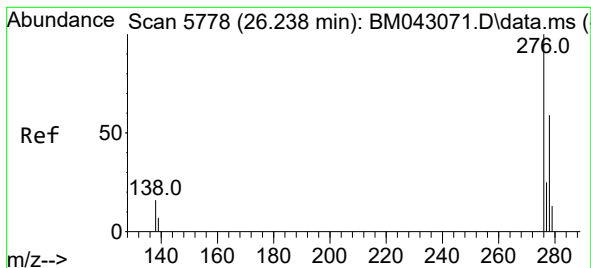
Tgt Ion:252 Resp: 6687
Ion Ratio Lower Upper
252 100
253 32.6 28.2 42.2
125 14.7 11.0 16.6



#26
Benzo(a)pyrene
Concen: 0.189 ng/ul
RT: 23.642 min Scan# 4944
Delta R.T. -0.044 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:252 Resp: 3011
Ion Ratio Lower Upper
252 100
253 38.1 36.6 55.0
125 17.6 16.2 24.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.104 ng/ul

RT: 26.202 min Scan# 5

Delta R.T. -0.037 min

Lab File: BM043080.D

Acq: 28 Nov 2023 20:09

Instrument :

BNA_M

ClientSampleId :

C0AH5

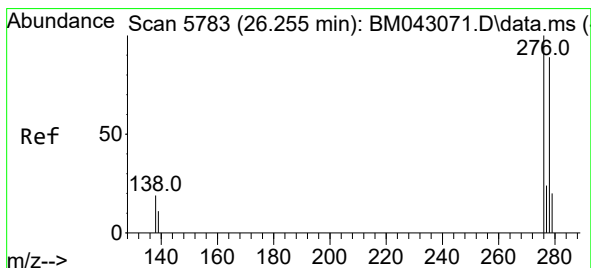
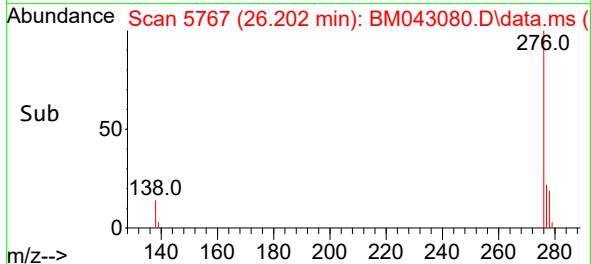
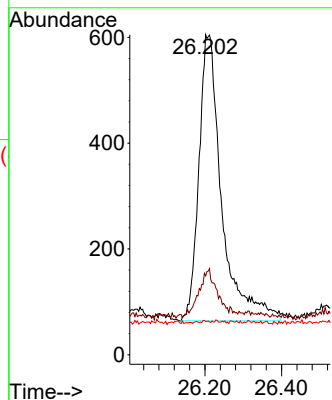
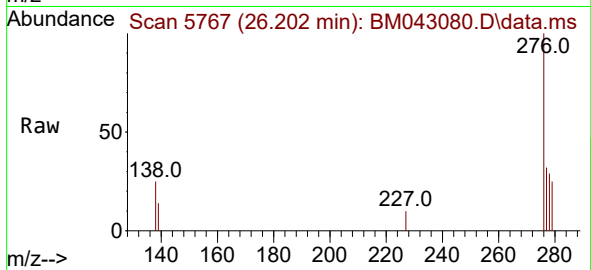
Tgt Ion:276 Resp: 2248

Ion Ratio Lower Upper

276 100

138 13.5 0.0 0.0#

227 0.2 0.2 0.2



#28

Dibenzo(a,h)anthracene

Concen: 0.035 ng/ul

RT: 26.215 min Scan# 5771

Delta R.T. -0.060 min

Lab File: BM043080.D

Acq: 28 Nov 2023 20:09

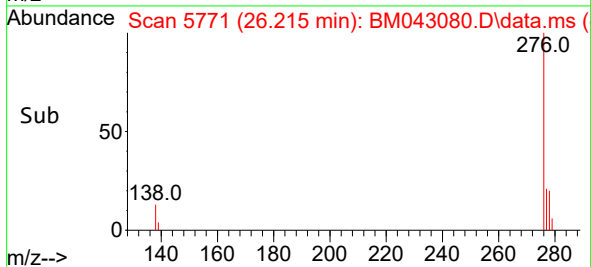
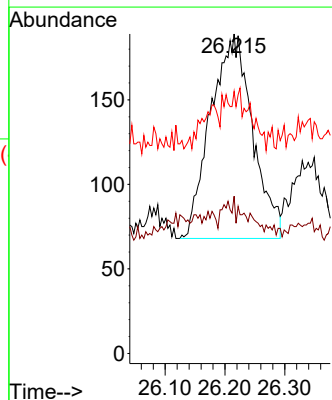
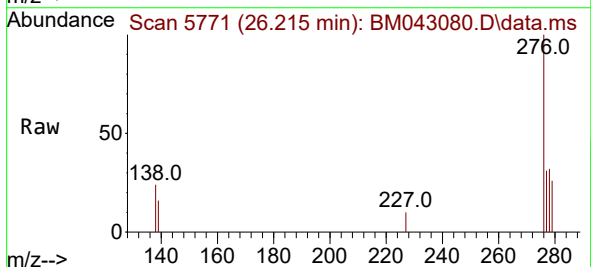
Tgt Ion:278 Resp: 589

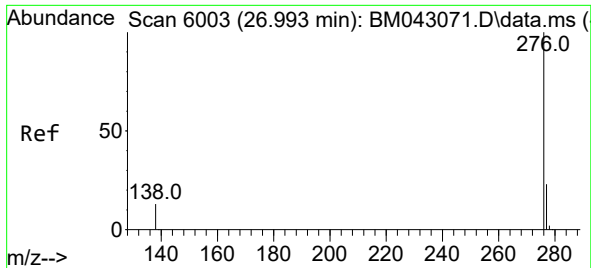
Ion Ratio Lower Upper

278 100

139 49.2 18.1 27.1#

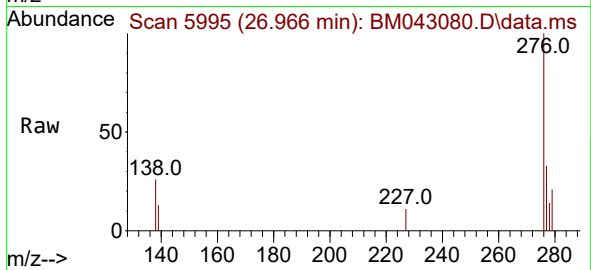
279 82.0 34.4 51.6#





#29
 Benzo(g,h,i)perylene
 Concen: 0.109 ng/ul
 RT: 26.966 min Scan# 51
 Delta R.T. -0.044 min
 Lab File: BM043080.D
 Acq: 28 Nov 2023 20:09

Instrument :
 BNA_M
 ClientSampleId :
 C0AH5



Tgt Ion:	276	Resp:	2280
Ion	Ratio	Lower	Upper
276	100		
138	25.8	17.8	26.8
277	32.8	23.8	35.8

