

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043122.D
 Acq On : 01 Dec 2023 14:36
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Quant Time: Dec 02 00:06:16 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 : Sat Dec 02 00:03:38 2023
 Response via : Initial Calibration

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

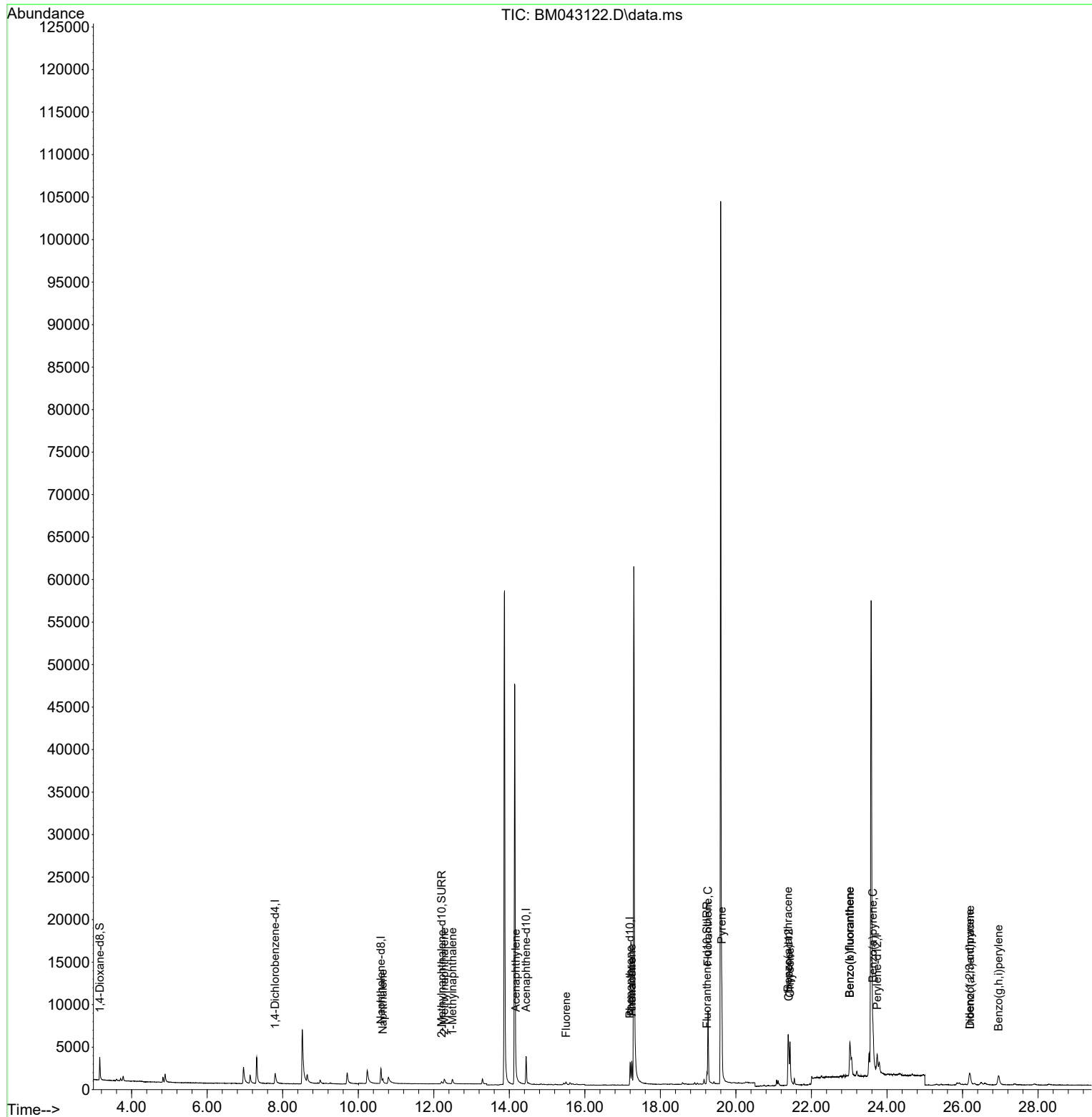
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.801	152	1054	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.600	136	3084	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.445	164	1832	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.199	188	3893	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.397	240	2769	0.400	ng/ul	# 0.00
23) Perylene-d12	23.742	264	4645	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.156	96	1799	1.112	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.211	152	626	0.152	ng/ul	-0.01
18) Fluoranthene-d10	19.233	212	1557	0.154	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.649	128	775	0.092	ng/ul#	92
7) 2-Methylnaphthalene	12.283	142	713	0.144	ng/ul	93
8) 1-Methylnaphthalene	12.497	142	488	0.089	ng/ul	97
10) Acenaphthylene	14.172	152	641	0.069	ng/ul#	79
12) Fluorene	15.500	166	243	0.033	ng/ul#	86
15) Phenanthrene	17.241	178	3304	0.297	ng/ul	97
16) Anthracene	17.241	178	3275	0.311	ng/ul	93
19) Fluoranthene	19.261	202	8865	0.565	ng/ul#	95
20) Pyrene	19.628	202	9219	0.552	ng/ul#	94
21) Benzo(a)anthracene	21.380	228	6425	0.715	ng/ul	97
22) Chrysene	21.433	228	5675	0.339	ng/ul	99
24) Benzo(b)fluoranthene	23.017	252	7551	0.482	ng/ul	92
25) Benzo(k)fluoranthene	23.017	252	11002	0.510	ng/ul	93
26) Benzo(a)pyrene	23.631	252	4855	0.284	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.189	276	3225	0.139	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.199	278	784	0.044	ng/ul#	58
29) Benzo(g,h,i)perylene	26.953	276	2973	0.132	ng/ul	98

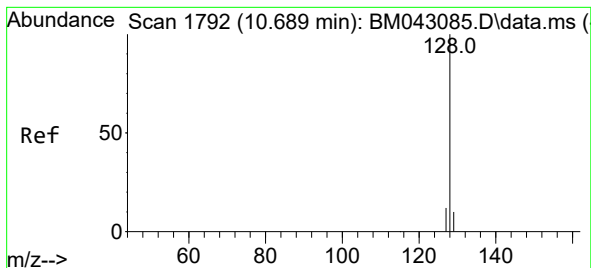
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.092 ng/ul

RT: 10.649 min Scan# 1792

Delta R.T. -0.018 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

Instrument :

BNA_M

ClientSampleId :

C0AH2

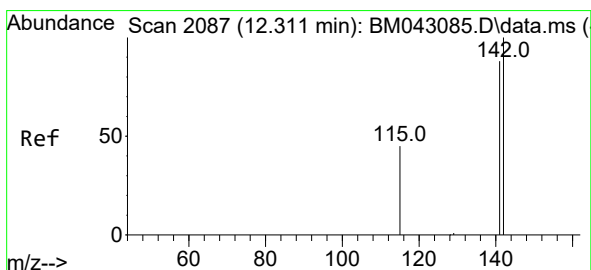
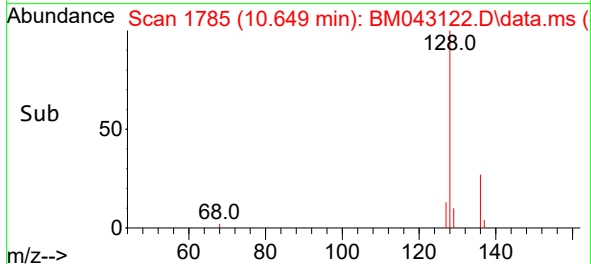
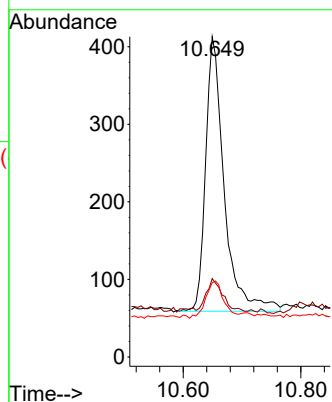
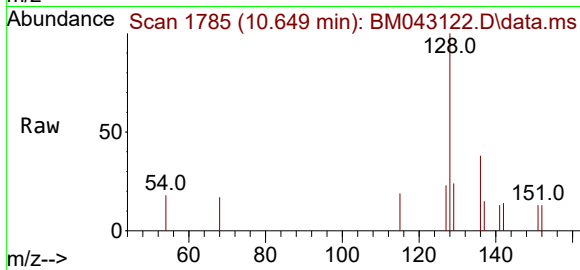
Tgt Ion:128 Resp: 775

Ion Ratio Lower Upper

128 100

129 24.5 16.0 24.0#

127 23.2 16.5 24.7



#7

2-Methylnaphthalene

Concen: 0.144 ng/ul

RT: 12.283 min Scan# 2082

Delta R.T. -0.012 min

Lab File: BM043122.D

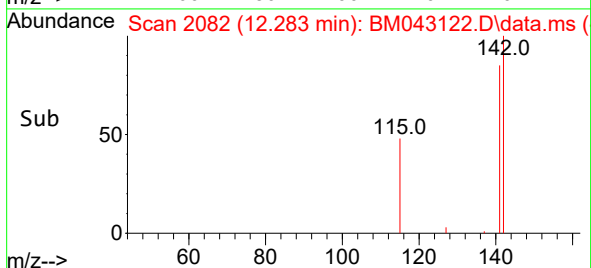
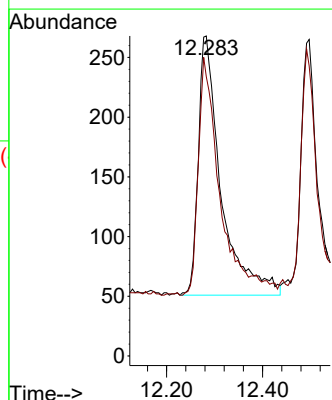
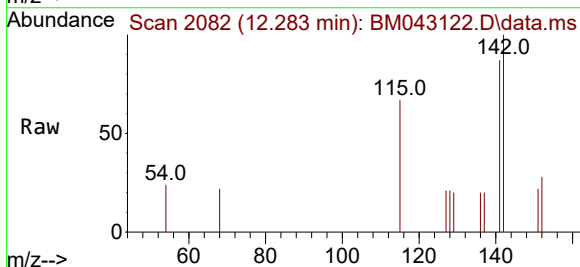
Acq: 01 Dec 2023 14:36

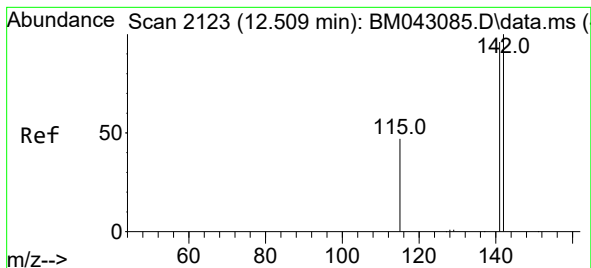
Tgt Ion:142 Resp: 713

Ion Ratio Lower Upper

142 100

141 88.4 76.1 114.1





#8

1-Methylnaphthalene

Concen: 0.089 ng/ul

RT: 12.497 min Scan# 2121

Delta R.T. -0.001 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

Instrument :

BNA_M

ClientSampleId :

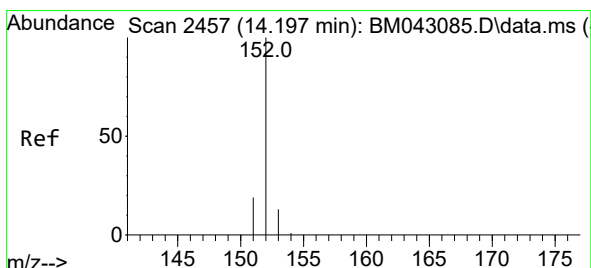
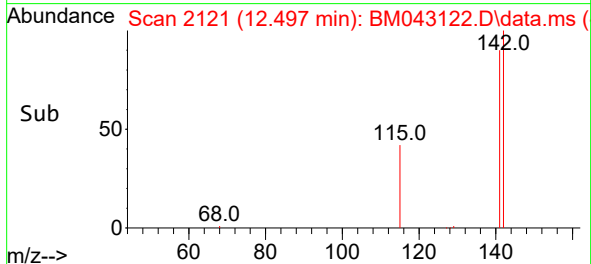
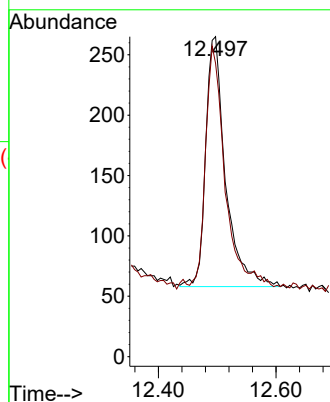
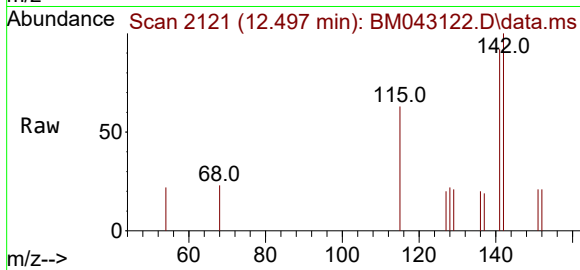
C0AH2

Tgt Ion:142 Resp: 488

Ion Ratio Lower Upper

142 100

141 94.9 73.8 110.8



#10

Acenaphthylene

Concen: 0.069 ng/ul

RT: 14.172 min Scan# 2452

Delta R.T. -0.010 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

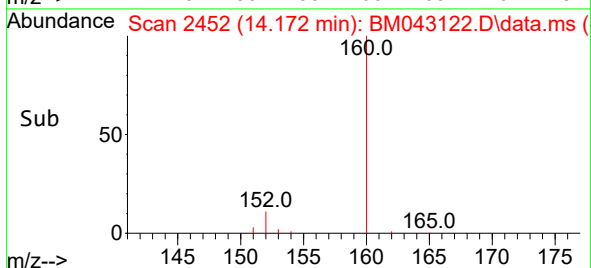
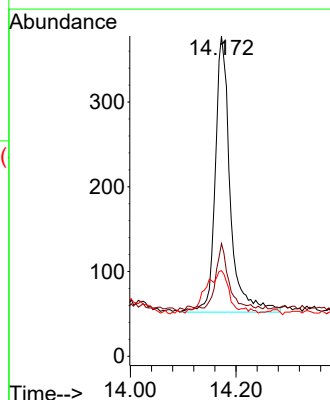
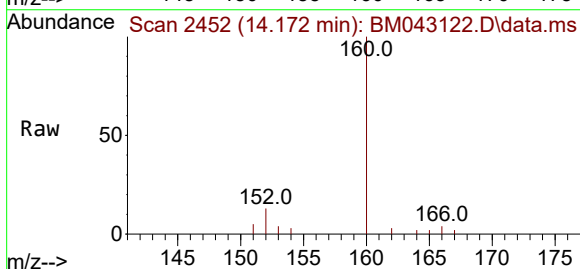
Tgt Ion:152 Resp: 641

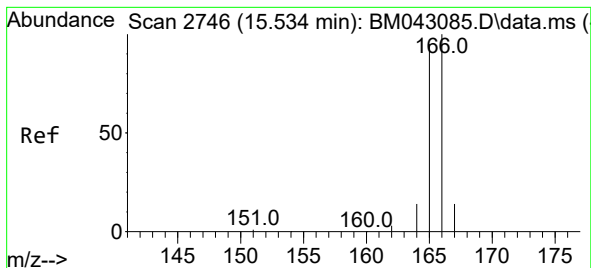
Ion Ratio Lower Upper

152 100

151 35.2 19.4 29.0#

153 26.7 14.6 21.8#





#12

Fluorene

Concen: 0.033 ng/ul

RT: 15.500 min Scan# 21

Delta R.T. -0.015 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

Instrument :

BNA_M

ClientSampleId :

C0AH2

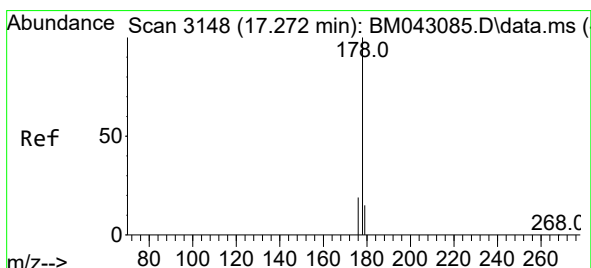
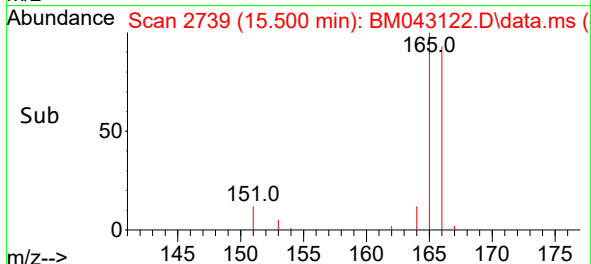
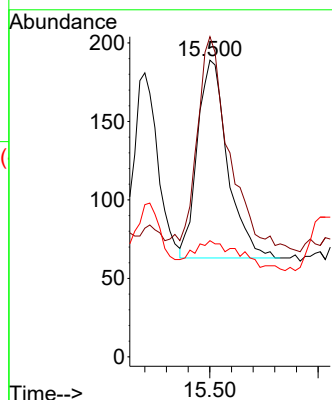
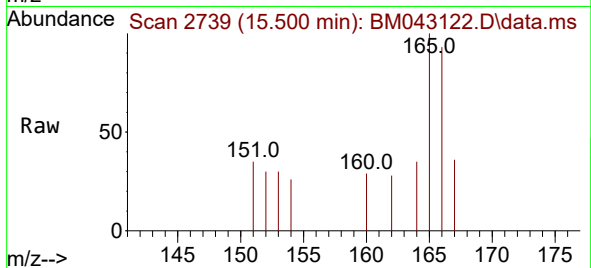
Tgt Ion:166 Resp: 243

Ion Ratio Lower Upper

166 100

165 107.9 79.9 119.9

167 39.2 14.2 21.4#



#15

Phenanthrene

Concen: 0.297 ng/ul

RT: 17.241 min Scan# 3141

Delta R.T. -0.018 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

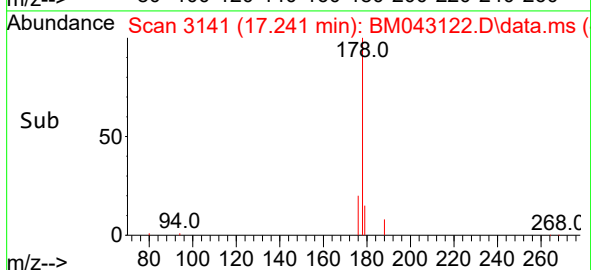
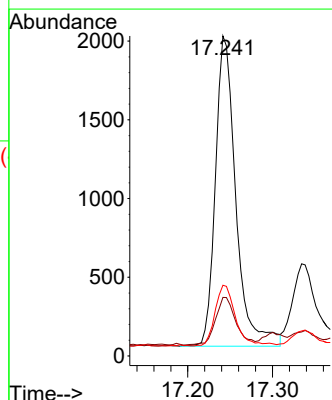
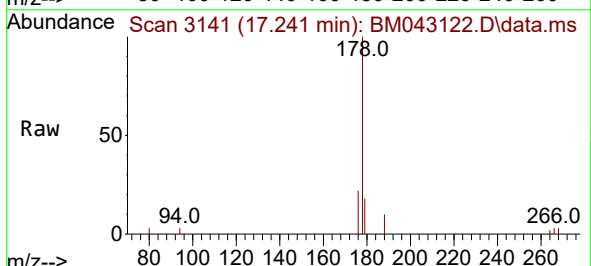
Tgt Ion:178 Resp: 3304

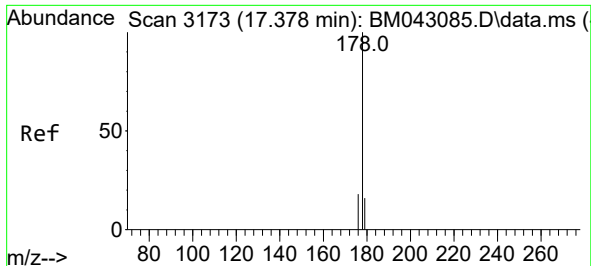
Ion Ratio Lower Upper

178 100

179 18.3 15.7 23.5

176 22.1 18.9 28.3

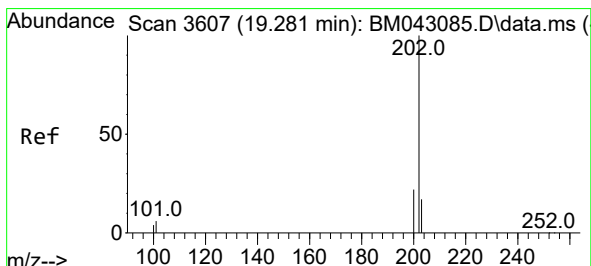
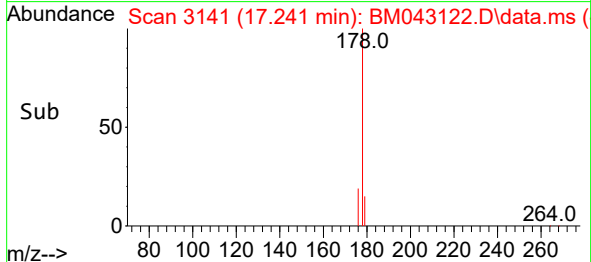
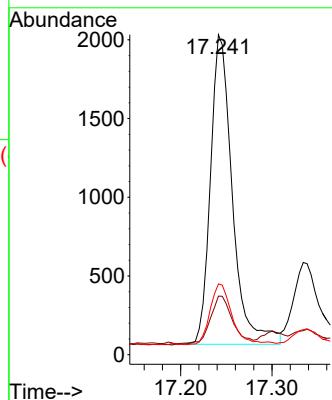
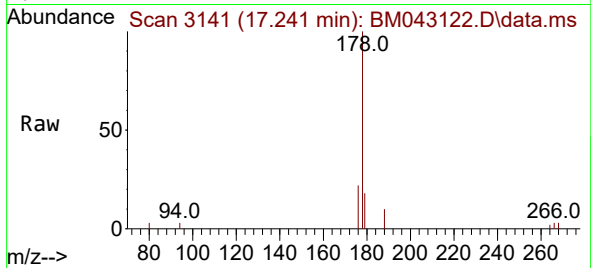




#16
 Anthracene
 Concen: 0.311 ng/ul
 RT: 17.241 min Scan# 3173
 Delta R.T. -0.119 min
 Lab File: BM043122.D
 Acq: 01 Dec 2023 14:36

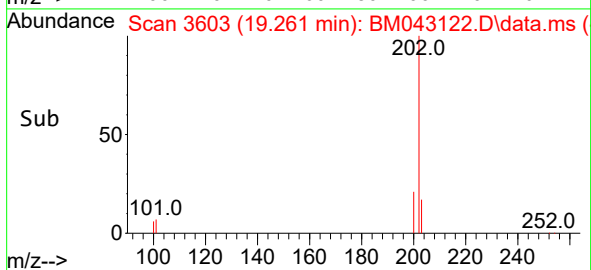
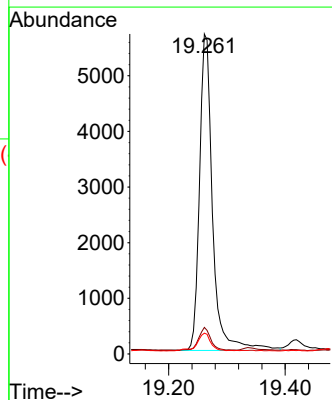
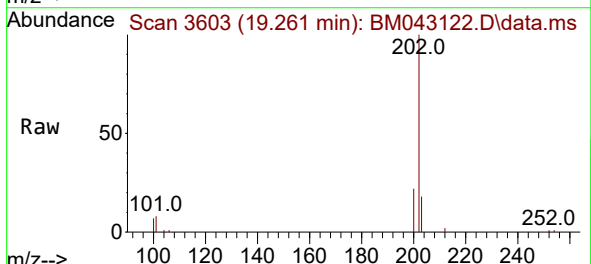
Instrument :
 BNA_M
 ClientSampleId :
 COAH2

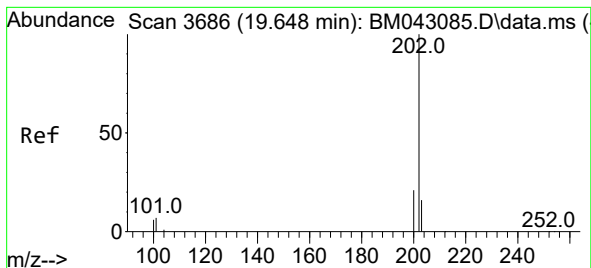
Tgt Ion:178 Resp: 3275
 Ion Ratio Lower Upper
 178 100
 179 18.3 17.3 25.9
 176 22.1 20.5 30.7



#19
 Fluoranthene
 Concen: 0.565 ng/ul
 RT: 19.261 min Scan# 3603
 Delta R.T. -0.010 min
 Lab File: BM043122.D
 Acq: 01 Dec 2023 14:36

Tgt Ion:202 Resp: 8865
 Ion Ratio Lower Upper
 202 100
 101 8.3 7.8 11.8
 100 6.5 7.1 10.7#





#20

Pyrene

Concen: 0.552 ng/ul

RT: 19.628 min Scan# 3

Delta R.T. -0.010 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

Instrument :

BNA_M

ClientSampleId :

C0AH2

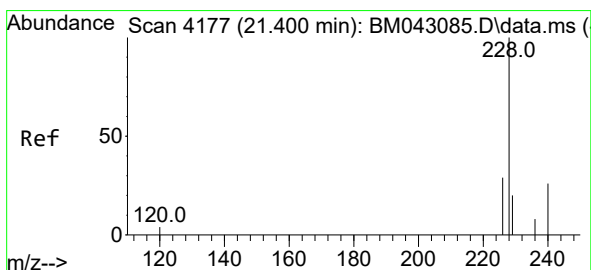
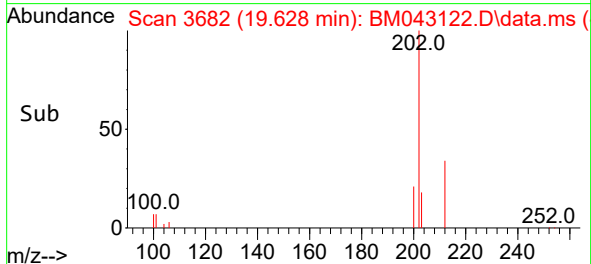
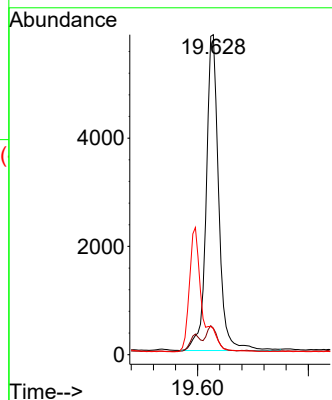
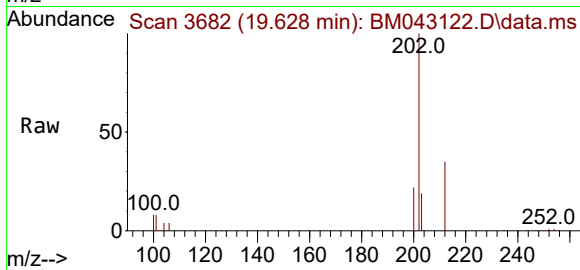
Tgt Ion:202 Resp: 9219

Ion Ratio Lower Upper

202 100

101 8.3 8.7 13.1#

100 8.1 7.8 11.8



#21

Benzo(a)anthracene

Concen: 0.715 ng/ul

RT: 21.380 min Scan# 4170

Delta R.T. -0.008 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

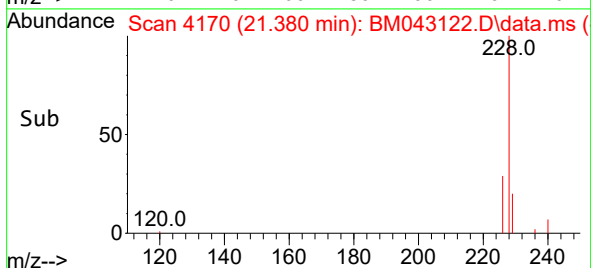
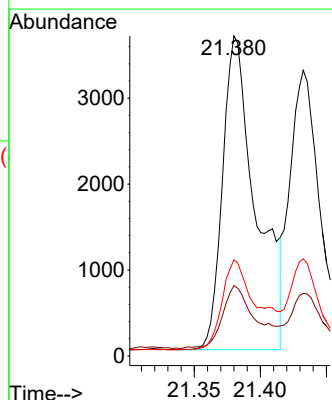
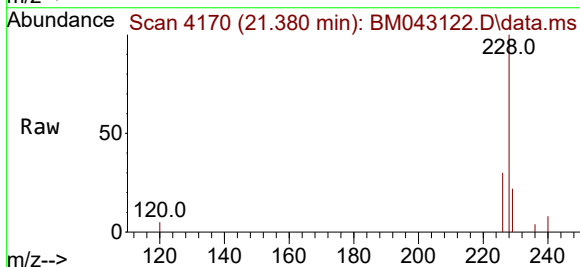
Tgt Ion:228 Resp: 6425

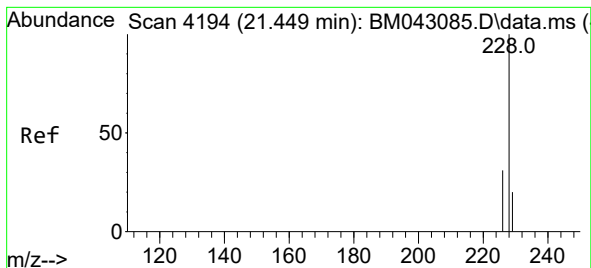
Ion Ratio Lower Upper

228 100

229 22.0 19.4 29.0

226 30.0 24.9 37.3





#22

Chrysene

Concen: 0.339 ng/ul

RT: 21.433 min Scan# 41

Delta R.T. -0.005 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

Instrument :

BNA_M

ClientSampleId :

C0AH2

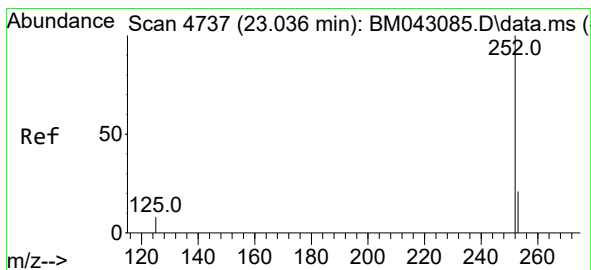
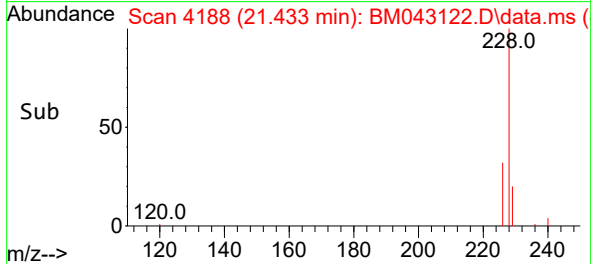
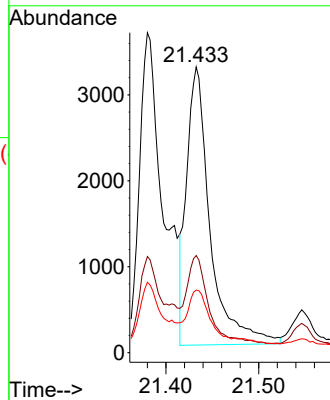
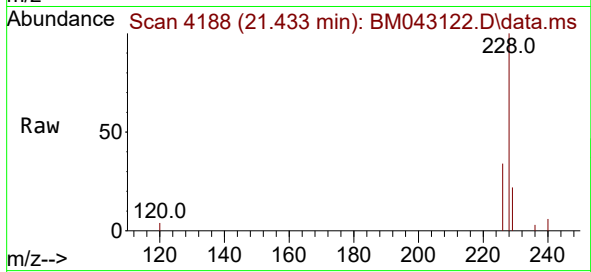
Tgt Ion:228 Resp: 5675

Ion Ratio Lower Upper

228 100

226 34.0 27.2 40.8

229 21.9 18.0 27.0



#24

Benzo(b)fluoranthene

Concen: 0.482 ng/ul

RT: 23.017 min Scan# 4730

Delta R.T. -0.011 min

Lab File: BM043122.D

Acq: 01 Dec 2023 14:36

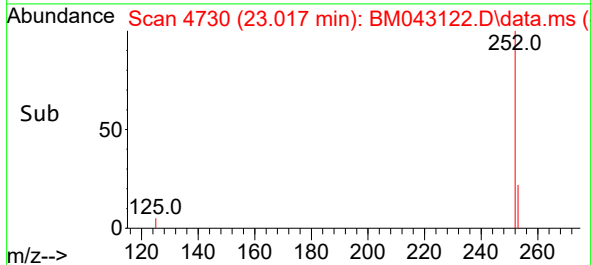
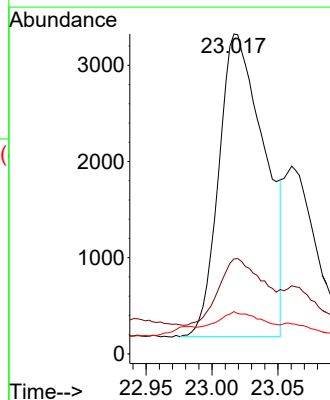
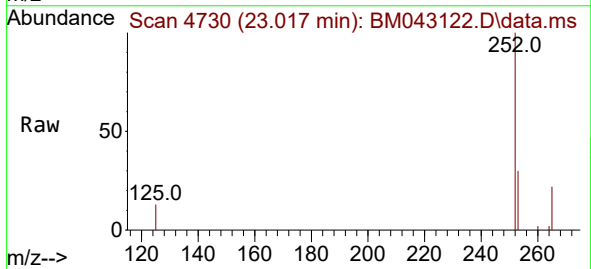
Tgt Ion:252 Resp: 7551

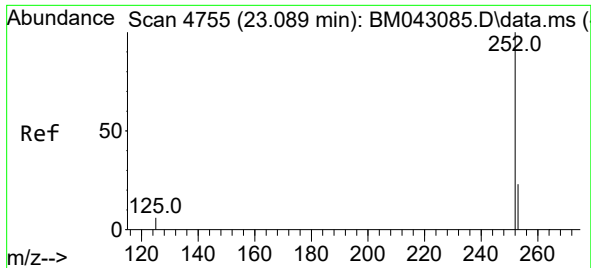
Ion Ratio Lower Upper

252 100

253 29.7 0.0 71.8

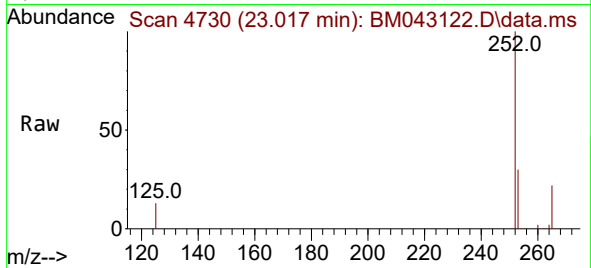
125 13.2 0.0 29.0



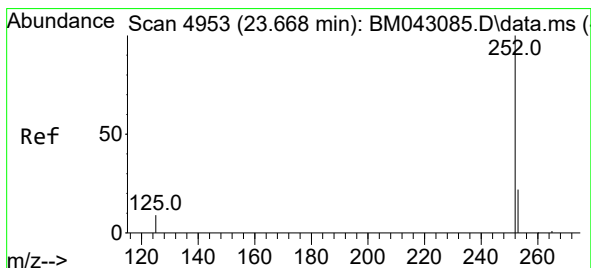
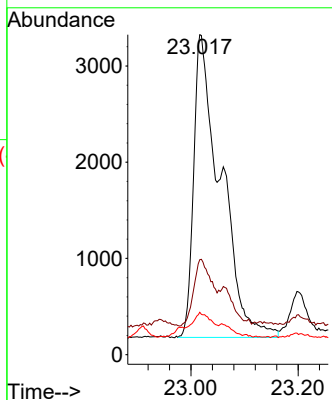


#25
Benzo(k)fluoranthene
Concen: 0.510 ng/ul
RT: 23.017 min Scan# 41
Delta R.T. -0.061 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

Instrument :
BNA_M
ClientSampleId :
C0AH2

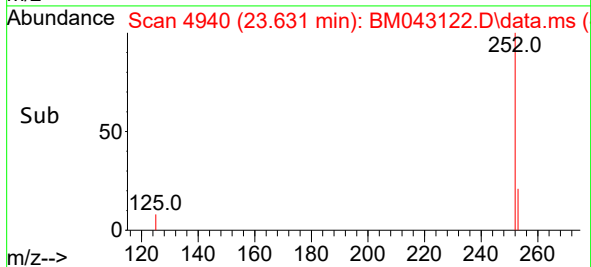
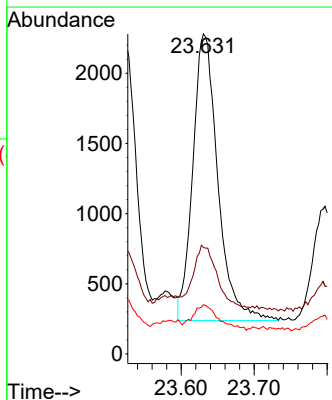
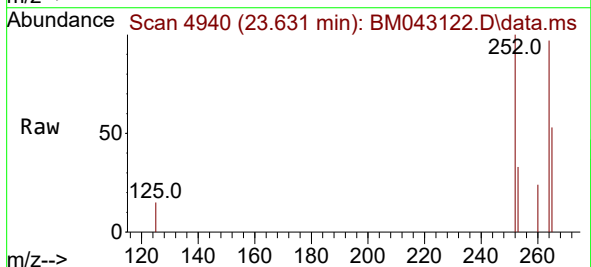


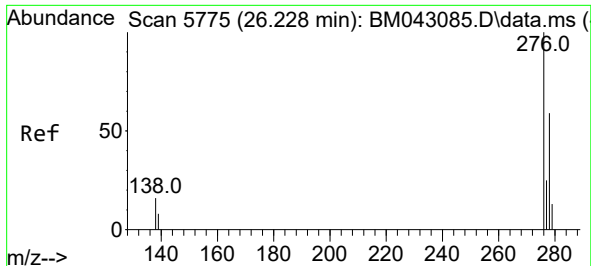
Tgt Ion:252 Resp: 11002
Ion Ratio Lower Upper
252 100
253 29.7 28.2 42.2
125 13.2 11.0 16.6



#26
Benzo(a)pyrene
Concen: 0.284 ng/ul
RT: 23.631 min Scan# 4940
Delta R.T. -0.020 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

Tgt Ion:252 Resp: 4855
Ion Ratio Lower Upper
252 100
253 33.3 36.6 55.0#
125 15.4 16.2 24.4#

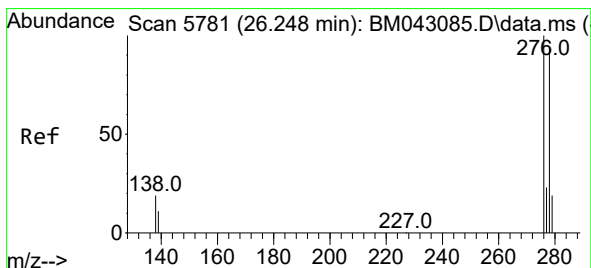
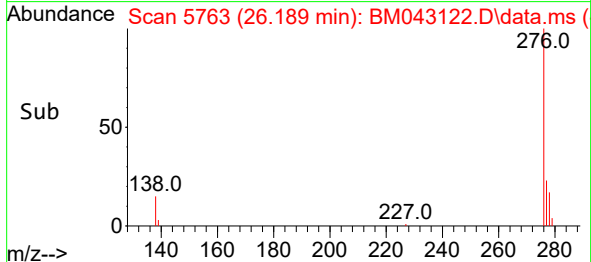
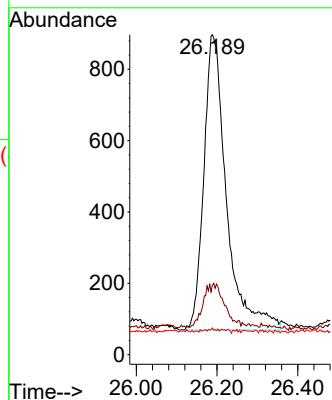
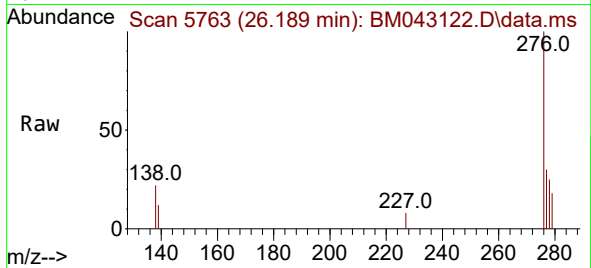




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.139 ng/ul
RT: 26.189 min Scan# 5763
Delta R.T. -0.016 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

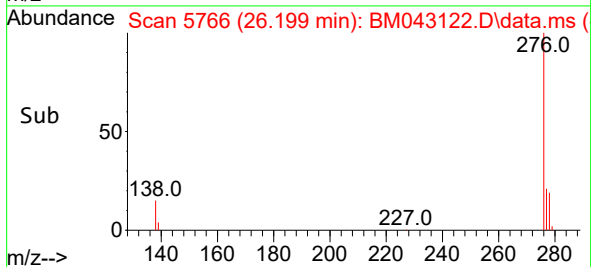
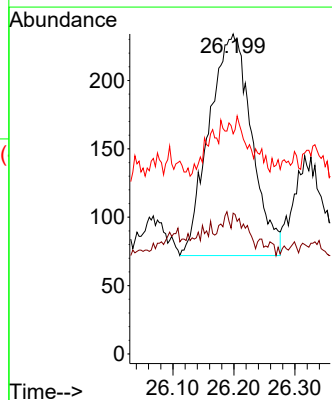
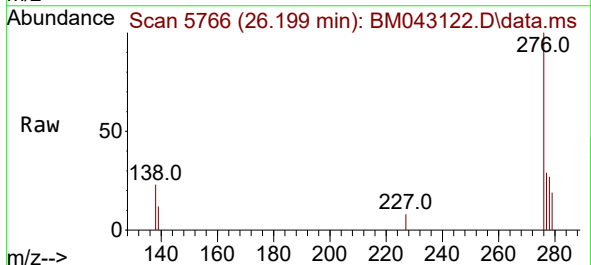
Instrument :
BNA_M
ClientSampleId :
C0AH2

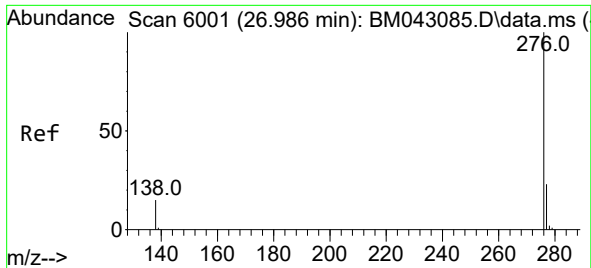
Tgt Ion:276 Resp: 3225
Ion Ratio Lower Upper
276 100
138 14.2 0.0 0.0#
227 0.2 0.2 0.2



#28
Dibenzo(a,h)anthracene
Concen: 0.044 ng/ul
RT: 26.199 min Scan# 5766
Delta R.T. -0.013 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

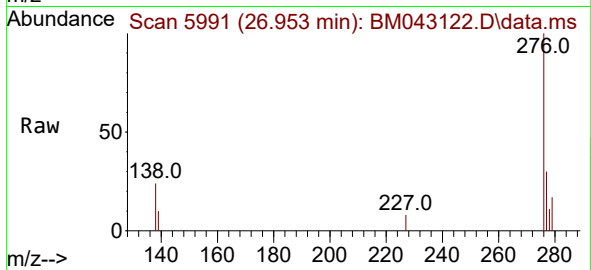
Tgt Ion:278 Resp: 784
Ion Ratio Lower Upper
278 100
139 44.0 18.1 27.1#
279 68.8 34.4 51.6#





#29
 Benzo(g,h,i)perylene
 Concen: 0.132 ng/ul
 RT: 26.953 min Scan# 5991
 Delta R.T. -0.006 min
 Lab File: BM043122.D
 Acq: 01 Dec 2023 14:36

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2



Tgt Ion:	276	Resp:	2973
Ion	Ratio	Lower	Upper
276	100		
138	23.7	17.8	26.8
277	30.3	23.8	35.8

