

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046063.D
 Acq On : 18 Jun 2024 22:28
 Operator : MA/JU
 Sample : P2695-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK5

Quant Time: Jun 19 08:24:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

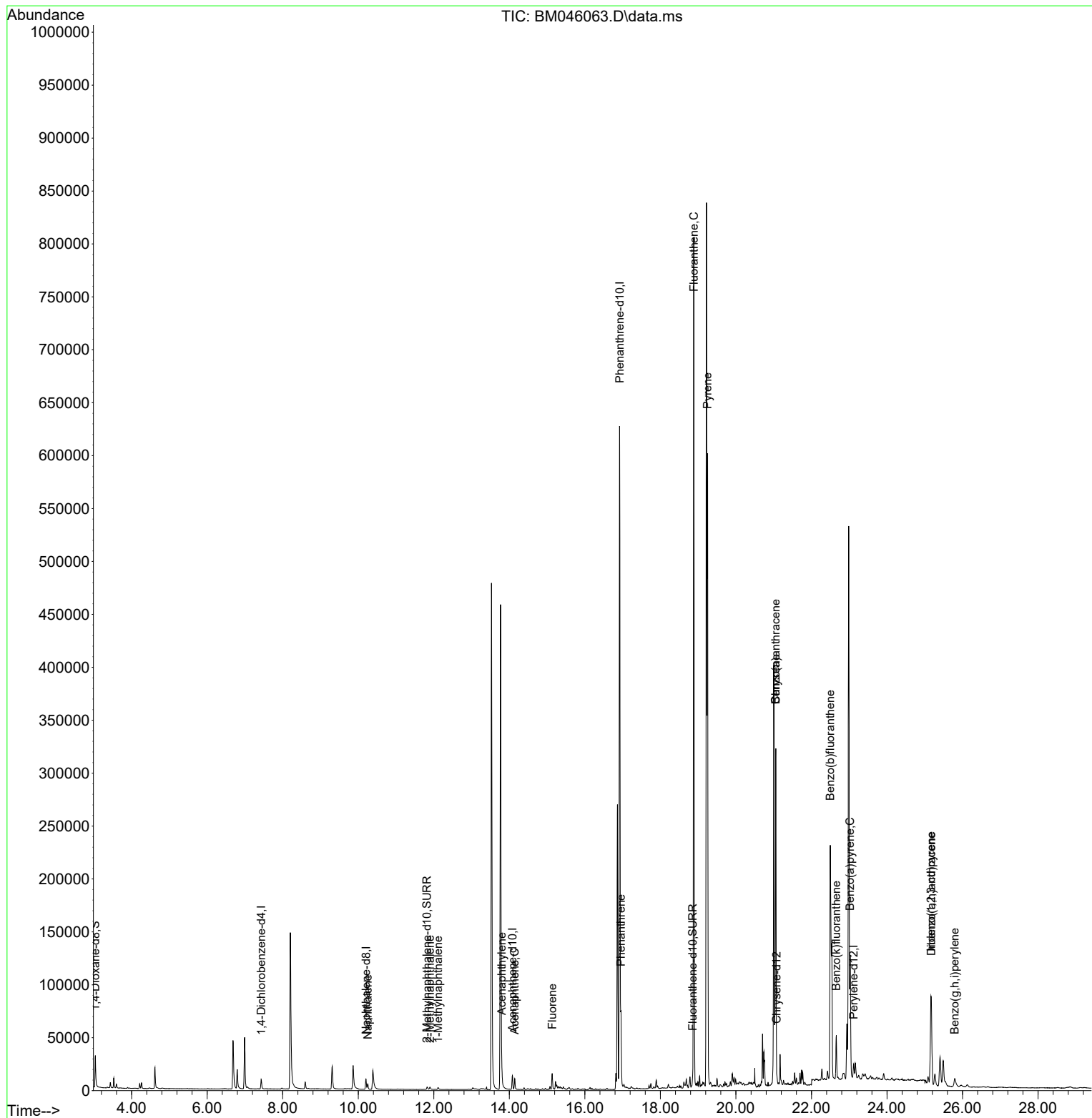
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	4867	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.205	136	13774	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.081	164	7496	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.922	188	737153	0.400	ng/ul	# 0.06
17) Chrysene-d12	21.076	240	380	0.400	ng/ul	# 0.03
23) Perylene-d12	23.116	264	17658	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.038	96	18044	2.702	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.822	152	4224	0.228	ng/ul	-0.04
18) Fluoranthene-d10	18.854	212	11066	9.723	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.249	128	7311	0.190	ng/ul	96
7) 2-Methylnaphthalene	11.899	142	2147	0.099	ng/ul	99
8) 1-Methylnaphthalene	12.113	142	1609	0.068	ng/ul	97
10) Acenaphthylene	13.799	152	15167	0.427	ng/ul	98
11) Acenaphthene	14.141	153	6314	0.246	ng/ul	98
12) Fluorene	15.136	166	10280	0.373	ng/ul	98
15) Phenanthrene	16.956	178	68825	0.033	ng/ul	96
19) Fluoranthene	18.886	202	691586	420.332	ng/ul	95
20) Pyrene	19.249	202	476867	268.000	ng/ul	96
21) Benzo(a)anthracene	21.055	228	287960	196.184	ng/ul	97
22) Chrysene	21.055	228	289416	154.504	ng/ul	98
24) Benzo(b)fluoranthene	22.499	252	462647	7.272	ng/ul	83
25) Benzo(k)fluoranthene	22.657	252	42819	0.566	ng/ul	95
26) Benzo(a)pyrene	23.025	252	137875	2.339	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.165	276	114733	1.189	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.172	278	39905	0.556	ng/ul	97
29) Benzo(g,h,i)perylene	25.792	276	15570	0.188	ng/ul	91

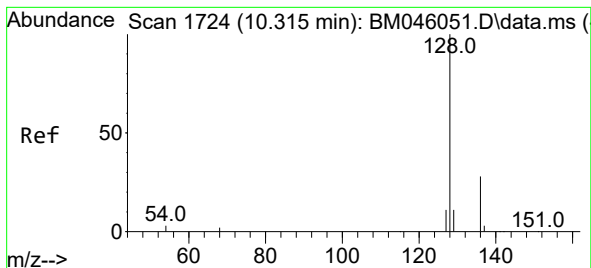
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.190 ng/ul

RT: 10.249 min Scan# 1

Delta R.T. -0.054 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

Instrument :

BNA_M

ClientSampleId :

A4BK5

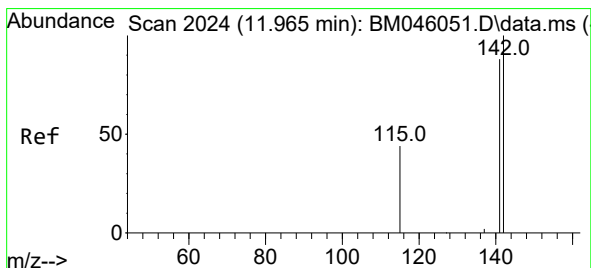
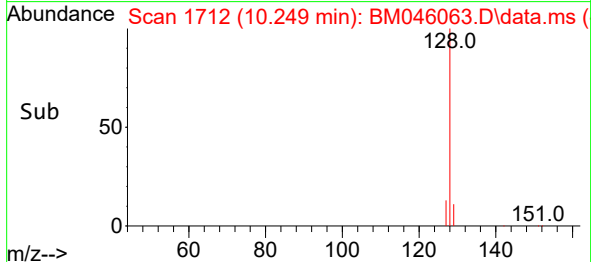
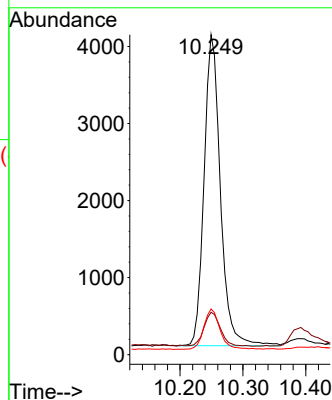
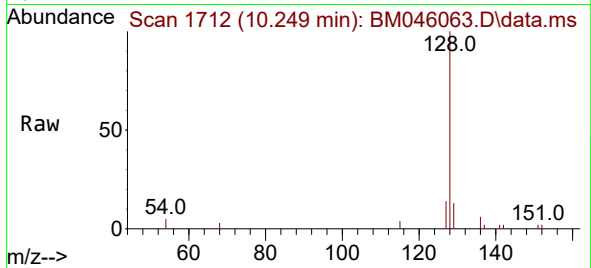
Tgt Ion:128 Resp: 7311

Ion Ratio Lower Upper

128 100

129 13.3 11.8 17.6

127 14.3 12.8 19.2



#7

2-Methylnaphthalene

Concen: 0.099 ng/ul

RT: 11.899 min Scan# 2012

Delta R.T. -0.048 min

Lab File: BM046063.D

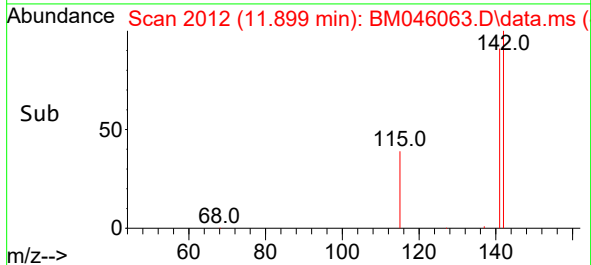
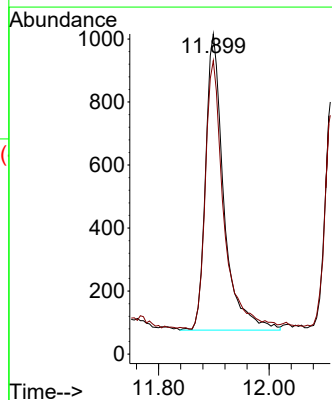
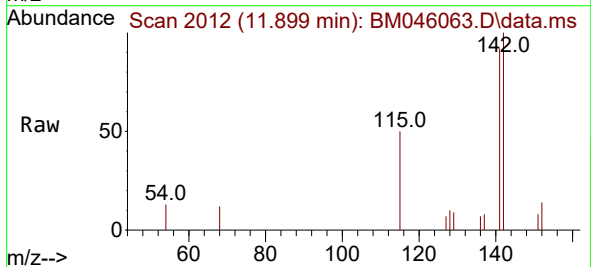
Acq: 18 Jun 2024 22:28

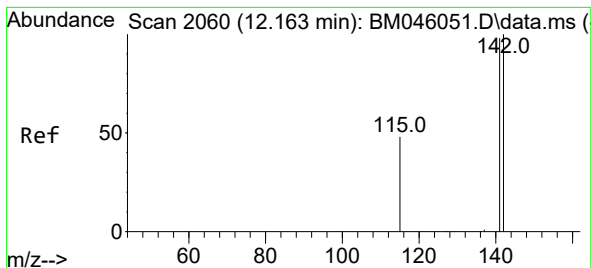
Tgt Ion:142 Resp: 2147

Ion Ratio Lower Upper

142 100

141 92.5 74.6 111.8

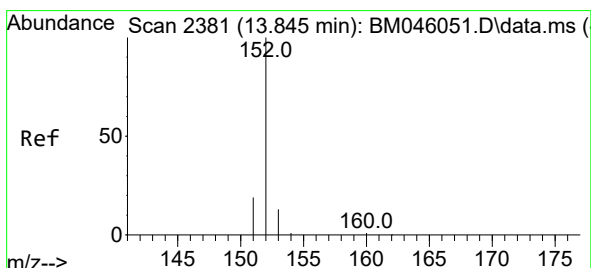
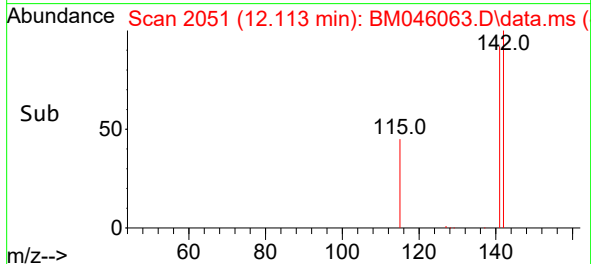
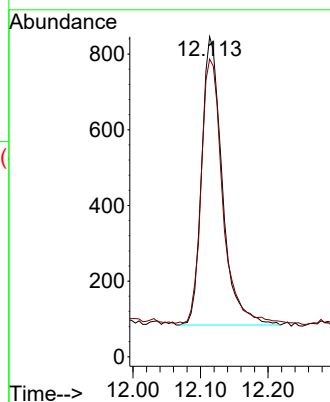
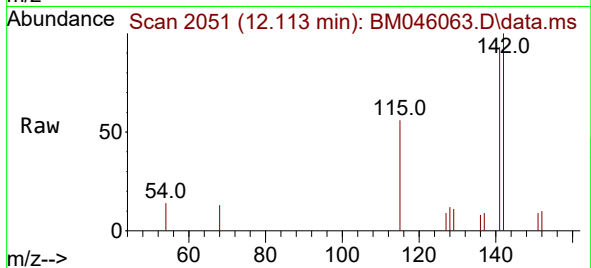




#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.113 min Scan# 2060
Delta R.T. -0.037 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

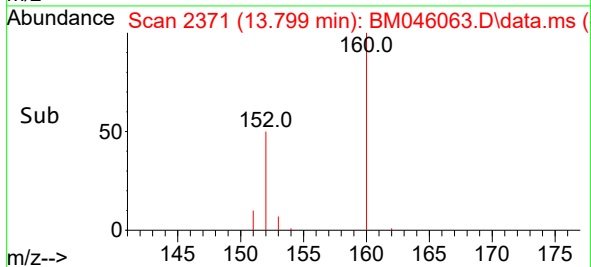
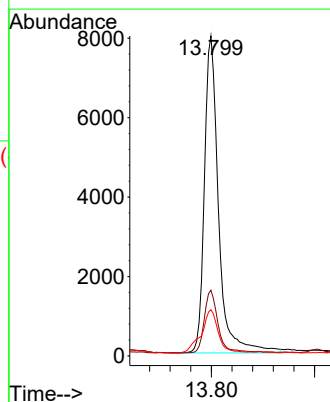
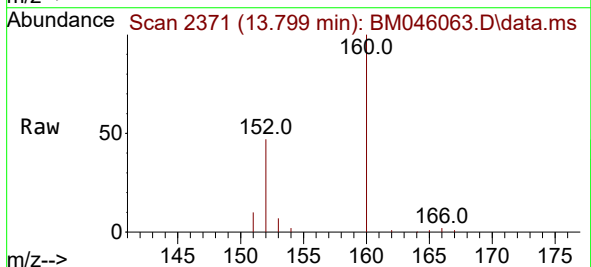
Instrument :
BNA_M
ClientSampleId :
A4BK5

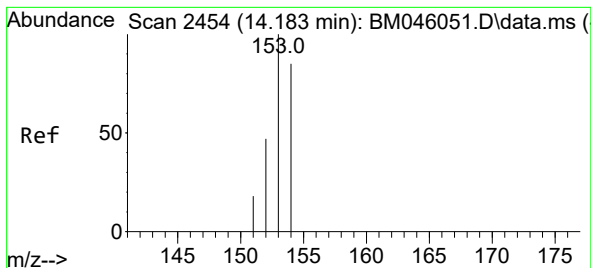
Tgt Ion:142 Resp: 1609
Ion Ratio Lower Upper
142 100
141 96.7 75.2 112.8



#10
Acenaphthylene
Concen: 0.427 ng/ul
RT: 13.799 min Scan# 2371
Delta R.T. -0.036 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

Tgt Ion:152 Resp: 15167
Ion Ratio Lower Upper
152 100
151 20.5 17.4 26.2
153 14.5 11.8 17.8





#11

Acenaphthene

Concen: 0.246 ng/ul

RT: 14.141 min Scan# 2445

Delta R.T. -0.031 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

Instrument :

BNA_M

ClientSampleId :

A4BK5

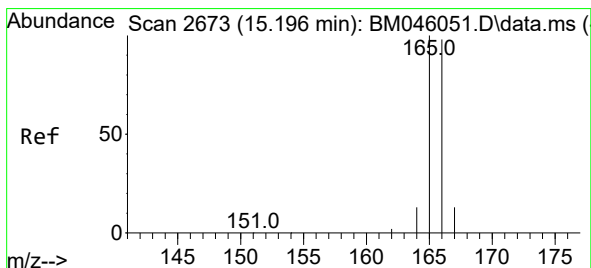
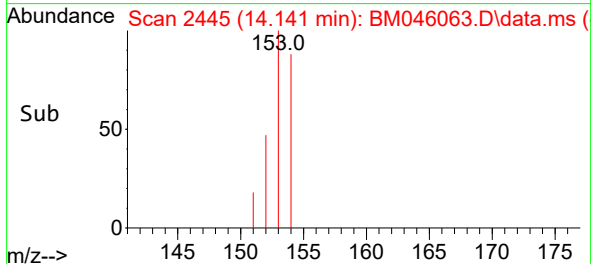
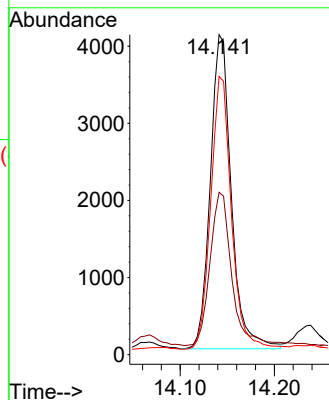
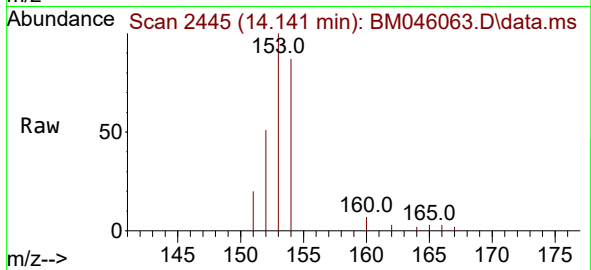
Tgt Ion:153 Resp: 6314

Ion Ratio Lower Upper

153 100

152 50.7 41.3 61.9

154 87.0 68.2 102.4



#12

Fluorene

Concen: 0.373 ng/ul

RT: 15.136 min Scan# 2660

Delta R.T. -0.045 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

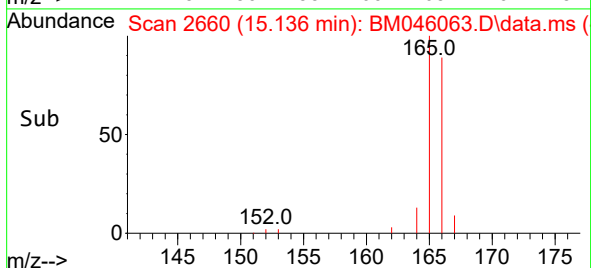
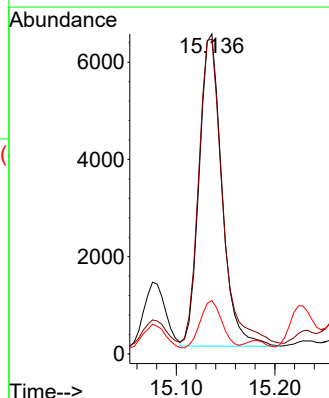
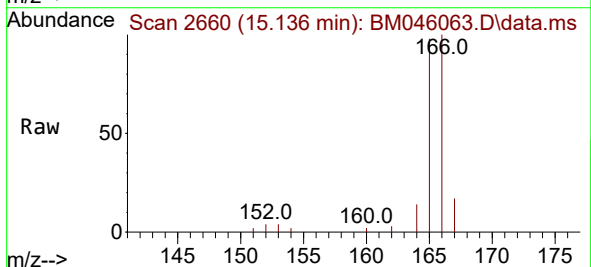
Tgt Ion:166 Resp: 10280

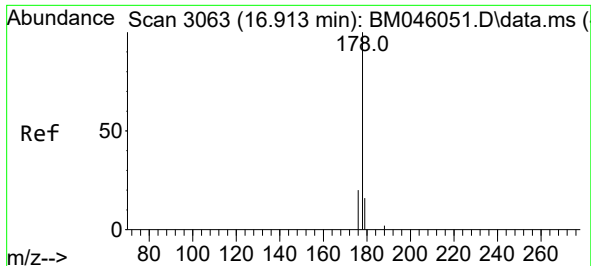
Ion Ratio Lower Upper

166 100

165 98.3 80.4 120.6

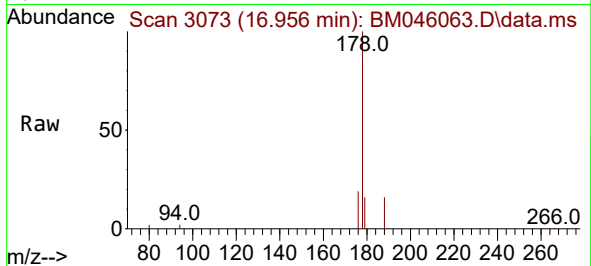
167 16.7 12.4 18.6



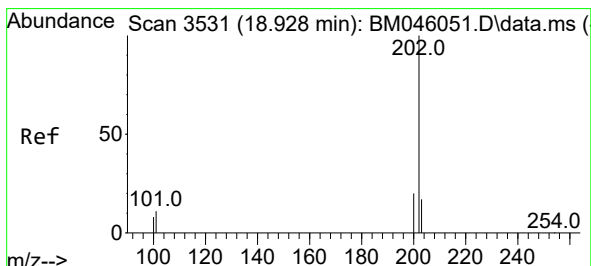
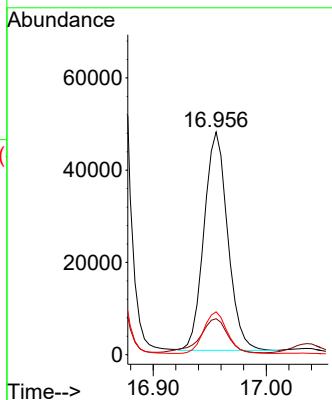
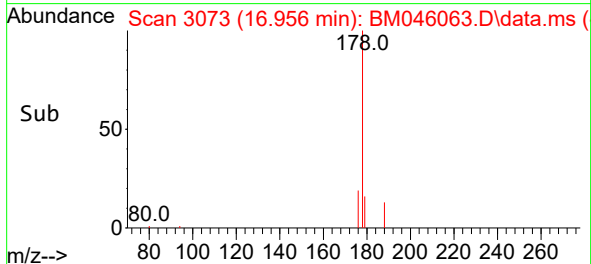


#15
Phenanthrene
Concen: 0.033 ng/ul
RT: 16.956 min Scan# 3063
Delta R.T. 0.052 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

Instrument :
BNA_M
ClientSampleId :
A4BK5

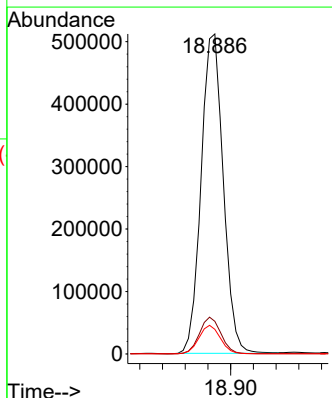
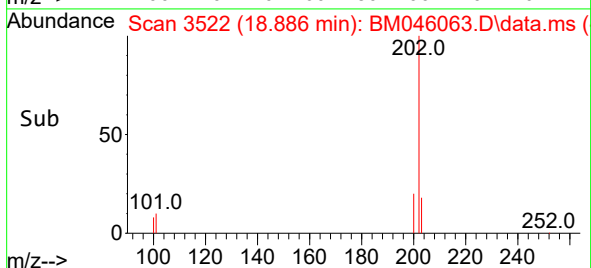
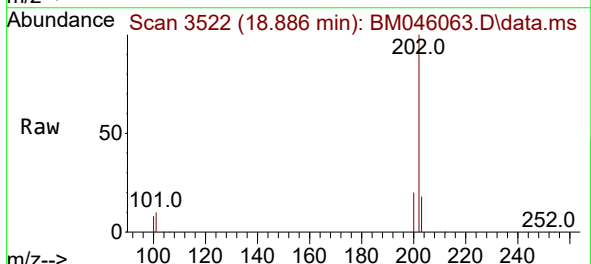


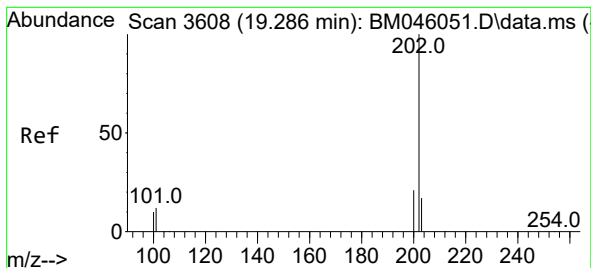
Tgt Ion:178 Resp: 68825
Ion Ratio Lower Upper
178 100
179 16.2 14.2 21.2
176 19.2 17.1 25.7



#19
Fluoranthene
Concen: 420.332 ng/ul
RT: 18.886 min Scan# 3522
Delta R.T. -0.031 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

Tgt Ion:202 Resp: 691586
Ion Ratio Lower Upper
202 100
101 10.2 9.6 14.4
100 7.7 7.6 11.4





#20

Pyrene

Concen: 268.000 ng/ul

RT: 19.249 min Scan# 3

Delta R.T. -0.026 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

Instrument :

BNA_M

ClientSampleId :

A4BK5

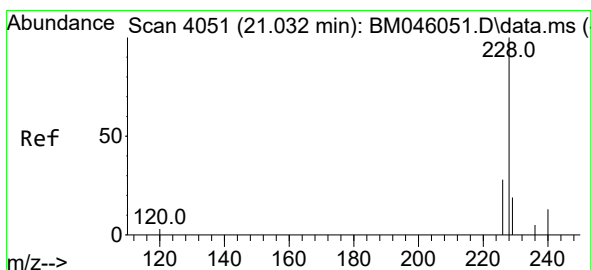
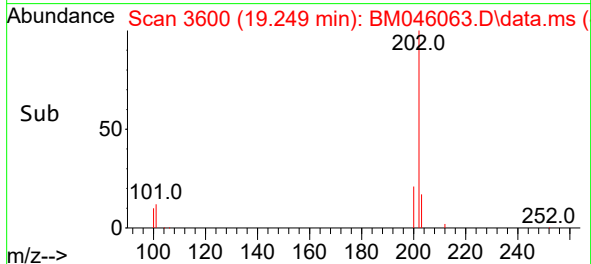
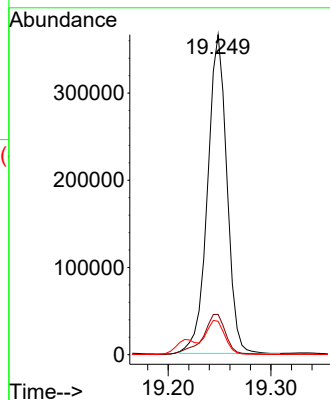
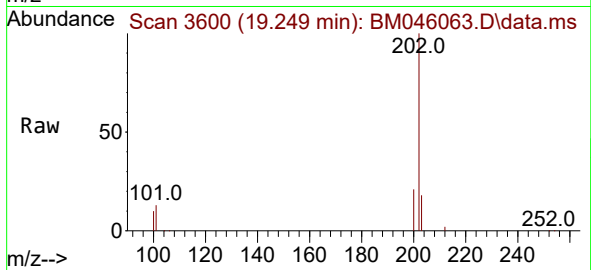
Tgt Ion:202 Resp: 476867

Ion Ratio Lower Upper

202 100

101 12.6 11.3 16.9

100 10.4 9.8 14.6



#21

Benzo(a)anthracene

Concen: 196.184 ng/ul

RT: 21.055 min Scan# 4059

Delta R.T. 0.026 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

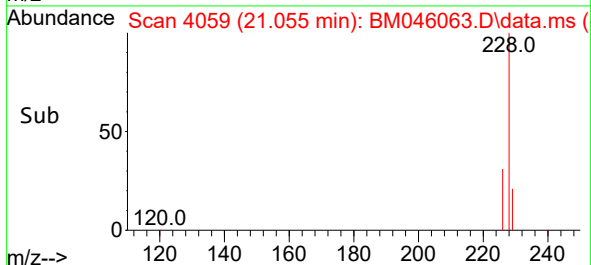
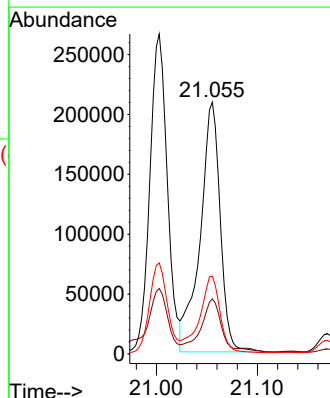
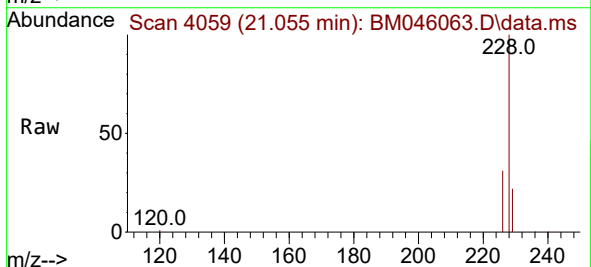
Tgt Ion:228 Resp: 287960

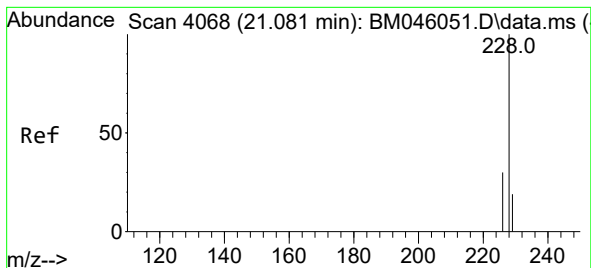
Ion Ratio Lower Upper

228 100

229 21.8 16.4 24.6

226 30.9 23.4 35.2





#22

Chrysene

Concen: 154.504 ng/ul

RT: 21.055 min Scan# 4068

Delta R.T. -0.021 min

Lab File: BM046063.D

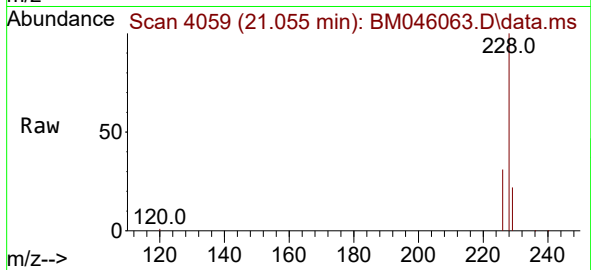
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Instrument :

BNA_M

ClientSampleId :

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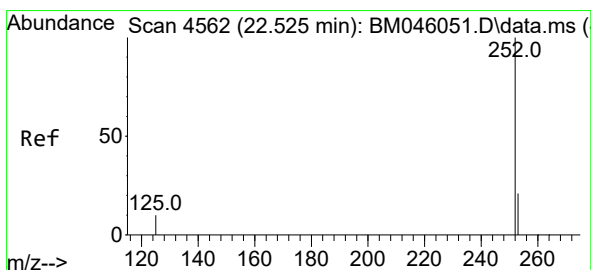
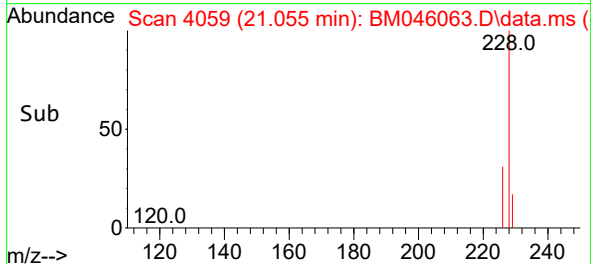
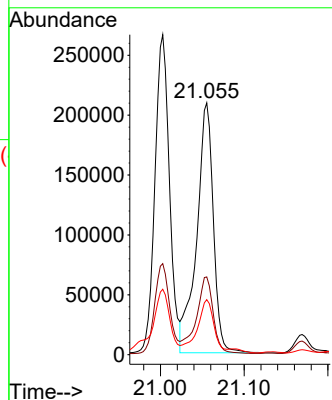
Tgt Ion:228 Resp: 289416

Ion Ratio Lower Upper

228 100

226 30.9 25.2 37.8

229 21.8 16.3 24.5



#24

Benzo(b)fluoranthene

Concen: 7.272 ng/ul

RT: 22.499 min Scan# 4553

Delta R.T. -0.021 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

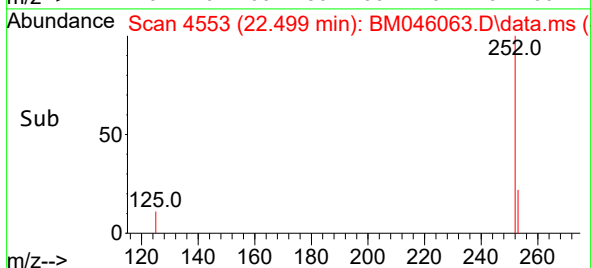
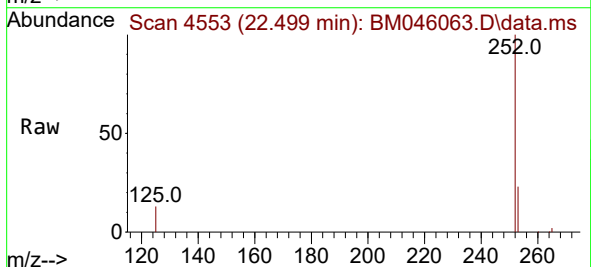
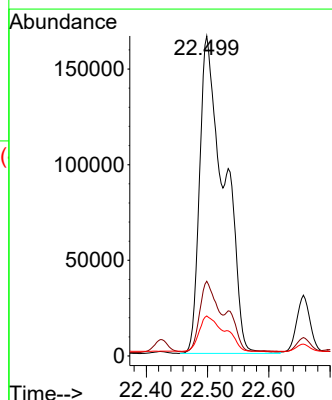
Tgt Ion:252 Resp: 462647

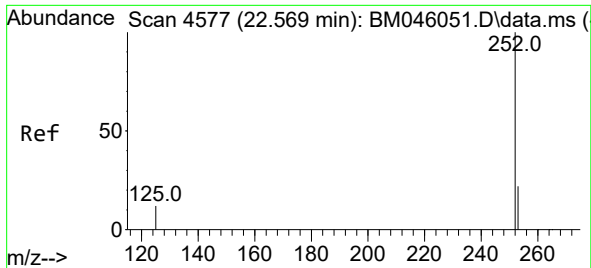
Ion Ratio Lower Upper

252 100

253 23.4 0.0 65.8

125 12.5 0.0 40.2

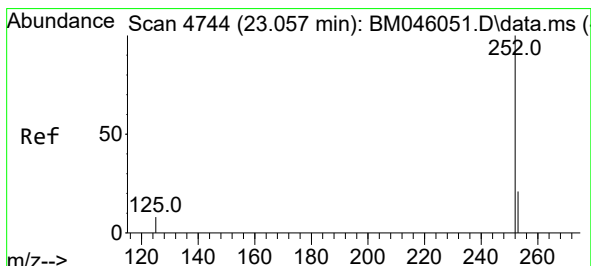
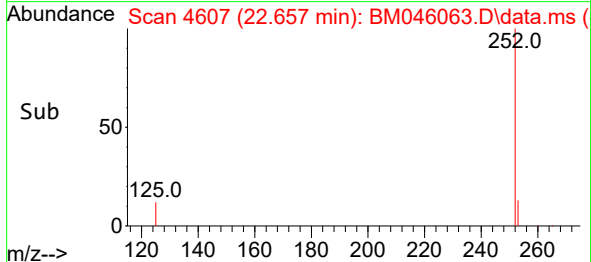
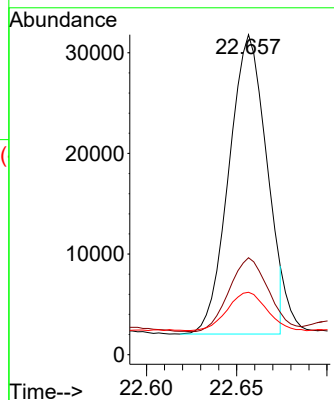
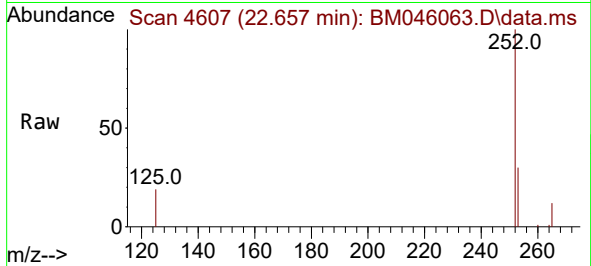




#25
Benzo(k)fluoranthene
Concen: 0.566 ng/ul
RT: 22.657 min Scan# 41
Delta R.T. 0.093 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

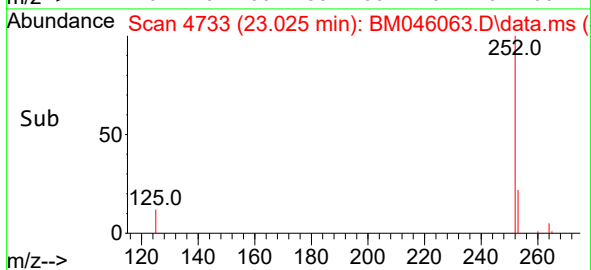
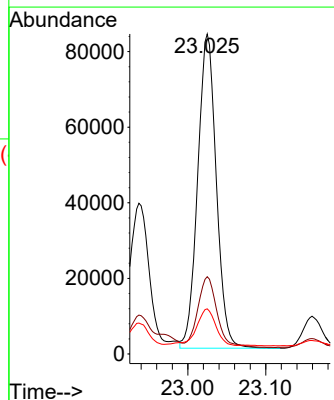
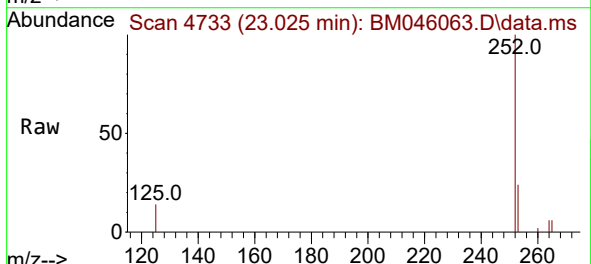
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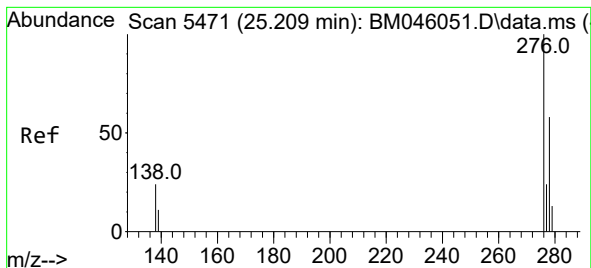
Tgt Ion:252 Resp: 42819
Ion Ratio Lower Upper
252 100
253 30.3 27.2 40.8
125 19.5 16.6 25.0



#26
Benzo(a)pyrene
Concen: 2.339 ng/ul
RT: 23.025 min Scan# 4733
Delta R.T. -0.030 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

Tgt Ion:252 Resp: 137875
Ion Ratio Lower Upper
252 100
253 24.2 32.1 48.1#
125 14.1 21.2 31.8#





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.189 ng/ul

RT: 25.165 min Scan# 54

Delta R.T. -0.037 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

Instrument :

BNA_M

ClientSampleId :

A4BK5

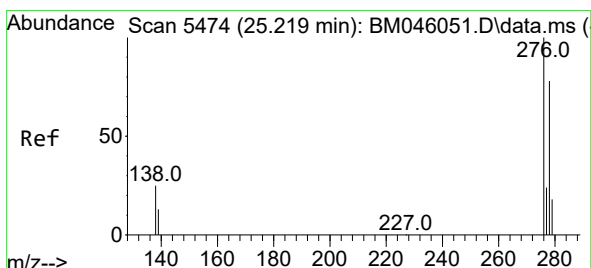
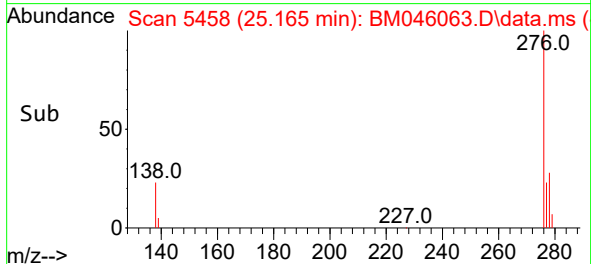
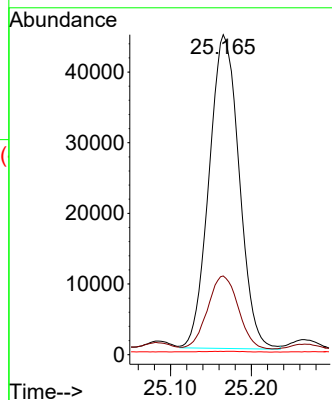
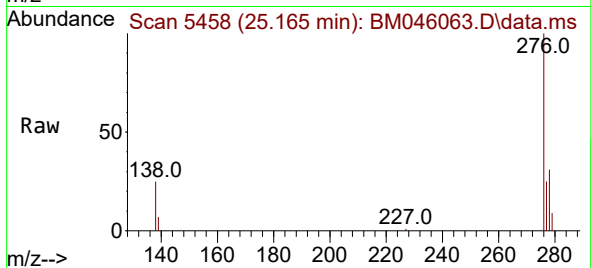
Tgt Ion:276 Resp: 114733

Ion Ratio Lower Upper

276 100

138 23.6 21.0 31.4

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.556 ng/ul

RT: 25.172 min Scan# 5460

Delta R.T. -0.044 min

Lab File: BM046063.D

Acq: 18 Jun 2024 22:28

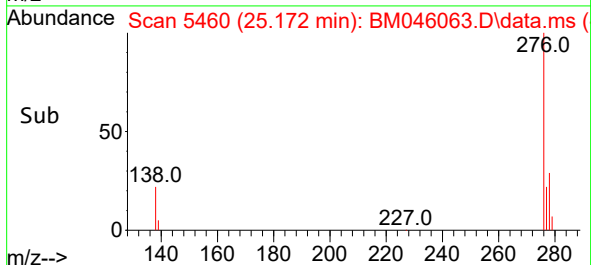
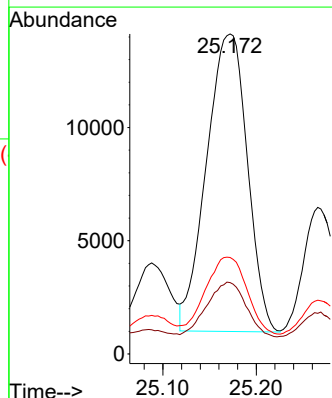
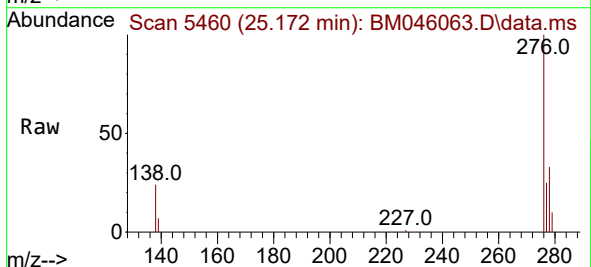
Tgt Ion:278 Resp: 39905

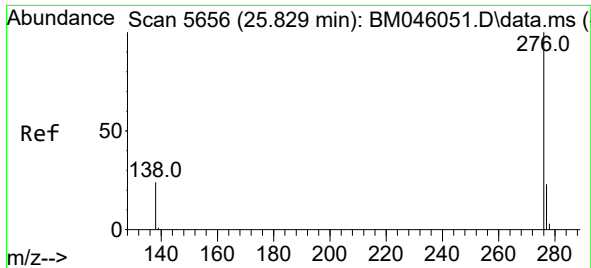
Ion Ratio Lower Upper

278 100

139 22.3 17.6 26.4

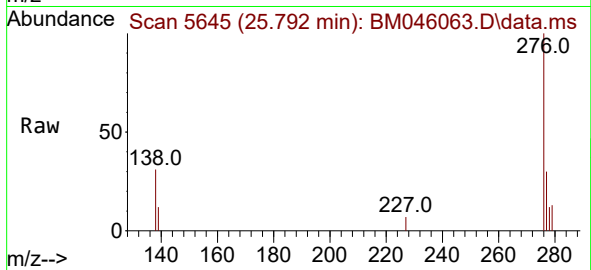
279 30.1 26.3 39.5





#29
Benzo(g,h,i)perylene
Concen: 0.188 ng/ul
RT: 25.792 min Scan# 5
Delta R.T. -0.037 min
Lab File: BM046063.D
Acq: 18 Jun 2024 22:28

Instrument :
BNA_M
ClientSampleId :
A4BK5



Tgt Ion:	276	Resp:	15570
Ion	Ratio	Lower	Upper
276	100		
138	31.5	21.7	32.5
277	30.0	20.4	30.6

