

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044106.D
 Acq On : 15 Feb 2024 17:56
 Operator : MA/JU
 Sample : P1329-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FL5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/19/2024

Quant Time: Feb 15 23:31:25 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 15 13:40:24 2024

Response via : Initial Calibration

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 ahmed

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	5460	0.400	ng/ul	0.00
4) Naphthalene-d8	10.704	136	19343	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.547	164	10788	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.296	188	23900m	0.400	ng/ul	0.00
17) Chrysene-d12	21.497	240	17101m	0.400	ng/ul	0.00
23) Perylene-d12	23.888	264	22941m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	37923	4.905	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	8881	0.328	ng/ul	0.00
18) Fluoranthene-d10	19.331	212	23316m	0.457	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.754	128	1806	0.031	ng/ul#	78
7) 2-Methylnaphthalene	12.371	142	1261	0.036	ng/ul	98
8) 1-Methylnaphthalene	12.585	142	1084	0.030	ng/ul	99
10) Acenaphthylene	14.265	152	2506	0.042	ng/ul#	84
11) Acenaphthene	14.607	153	15019	0.349	ng/ul	99
12) Fluorene	15.597	166	19612	0.405	ng/ul	99
14) Pentachlorophenol	16.942	266	496	0.058	ng/ul	95
15) Phenanthrene	17.339	178	568507m	7.505	ng/ul	
16) Anthracene	17.431	178	94670	1.263	ng/ul	99
19) Fluoranthene	19.359	202	1462701m	18.761	ng/ul	
20) Pyrene	19.726	202	1260993	15.380	ng/ul	97
21) Benzo(a)anthracene	21.479	228	705333m	9.006	ng/ul	
22) Chrysene	21.535	228	694366m	8.223	ng/ul	
24) Benzo(b)fluoranthene	23.166	252	886067m	9.359	ng/ul	
25) Benzo(k)fluoranthene	23.207	252	343231m	3.340	ng/ul	
26) Benzo(a)pyrene	23.786	252	576347m	6.549	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.363	276	346309m	3.091	ng/ul	
28) Dibenzo(a,h)anthracene	26.386	278	91425m	1.036	ng/ul	
29) Benzo(g,h,i)perylene	27.124	276	285610m	2.882	ng/ul	

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

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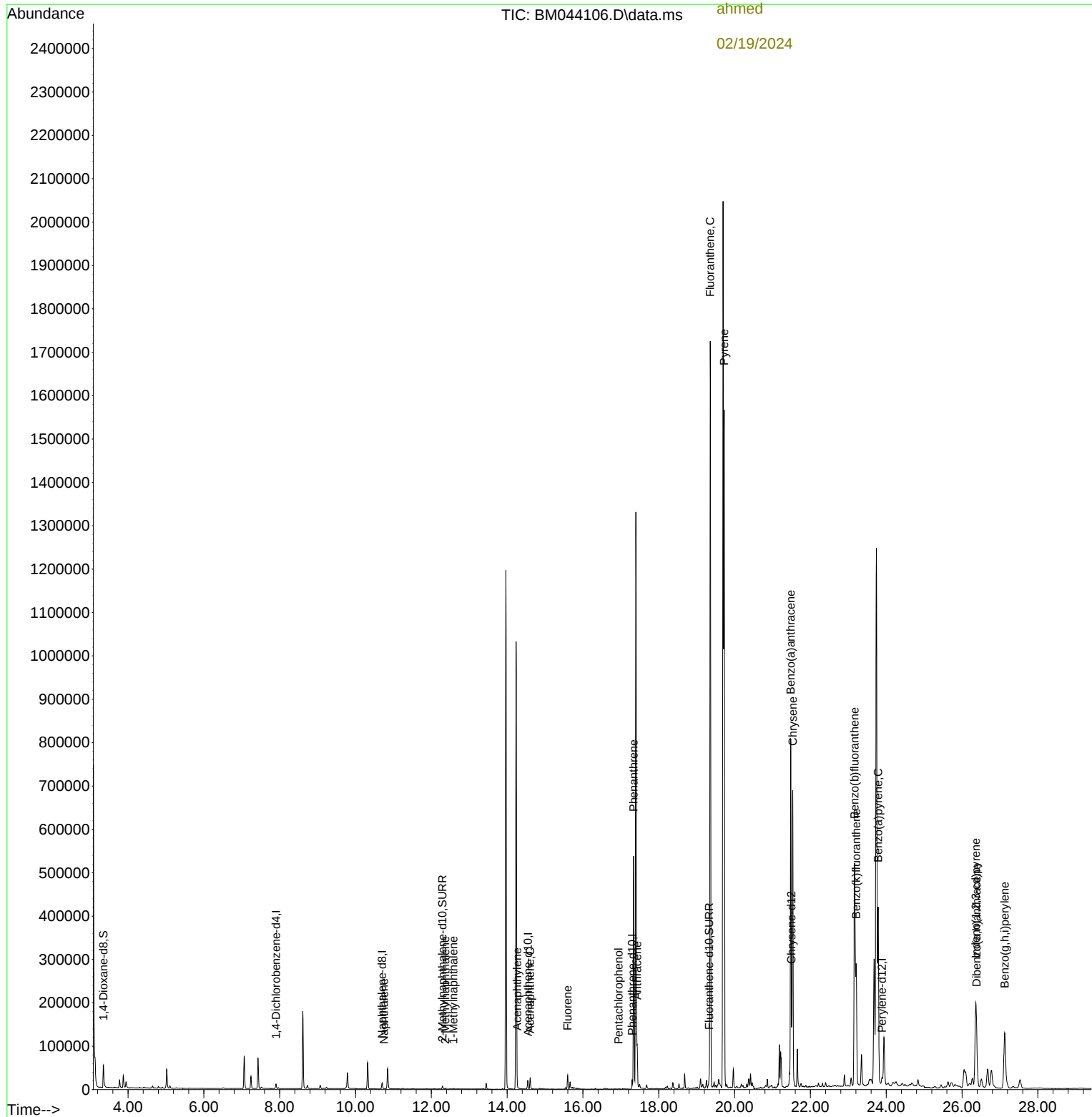
Instrument :
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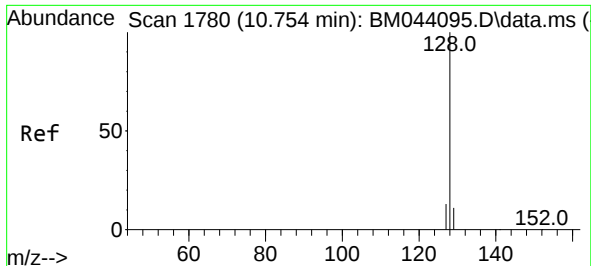
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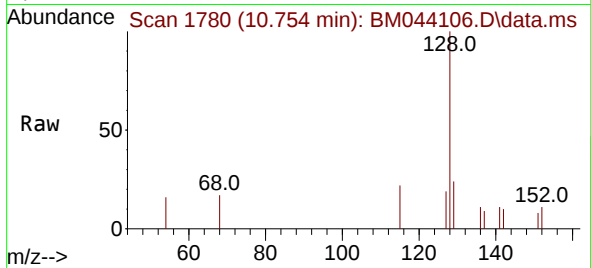
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#5
Naphthalene
Concen: 0.031 ng/ul
RT: 10.754 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

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BNA_M
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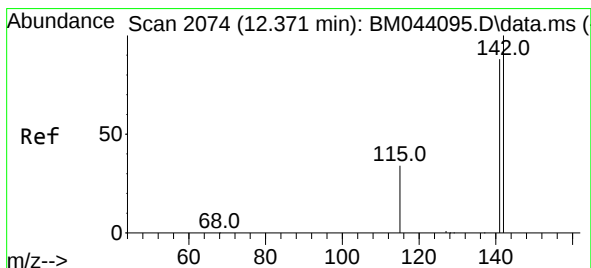
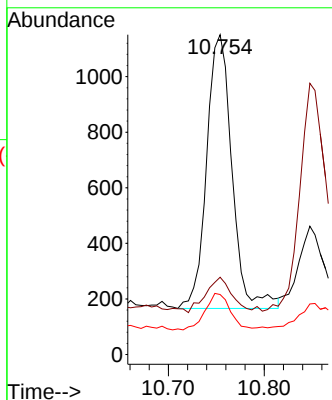
Tgt Ion:128 Resp: 1800
Ion Ratio Lower Upper
128 100
129 24.2 9.5 14.3
127 18.8 10.7 16.1

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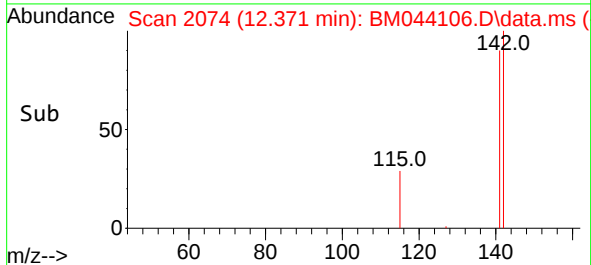
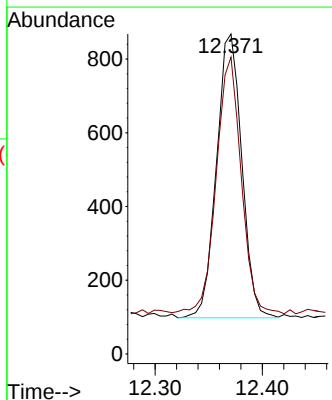
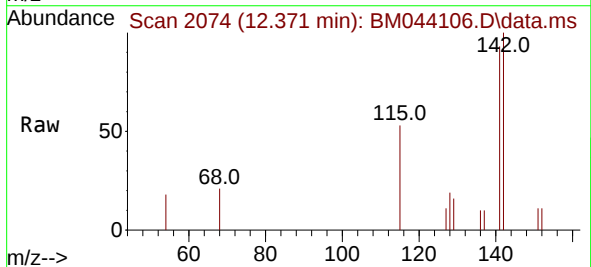
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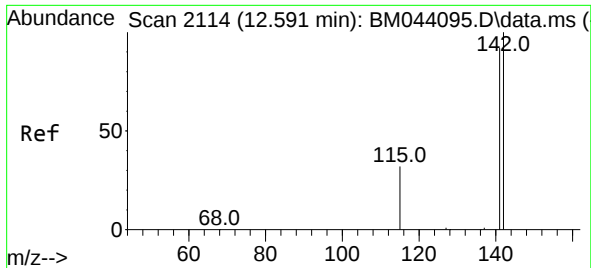
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#7
2-Methylnaphthalene
Concen: 0.036 ng/ul
RT: 12.371 min Scan# 2074
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

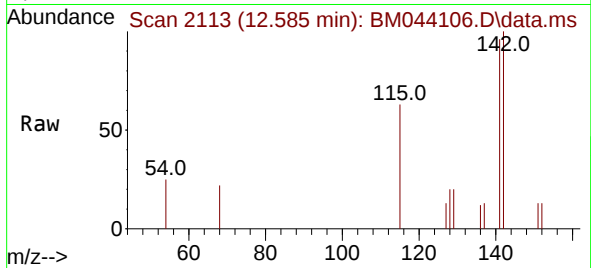
Tgt Ion:142 Resp: 1261
Ion Ratio Lower Upper
142 100
141 89.1 70.0 105.0





#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.585 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

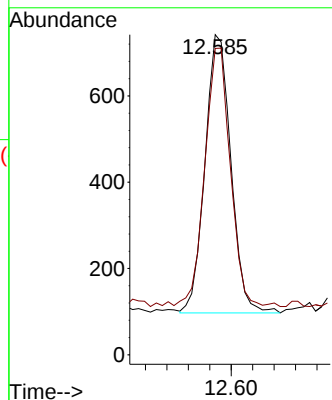
Instrument :
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Tgt Ion:142 Resp: 1084
Ion Ratio Lower Upper
142 100
141 91.8 72.5 108.7

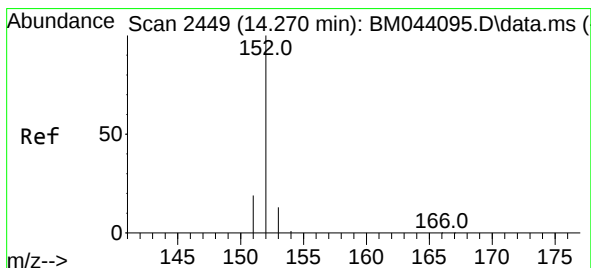
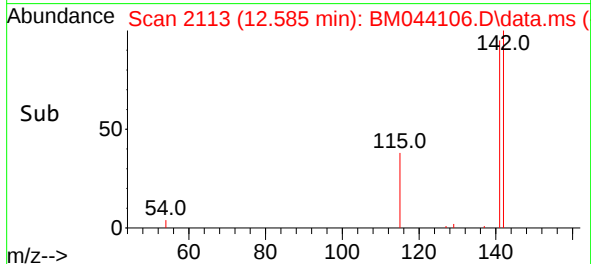
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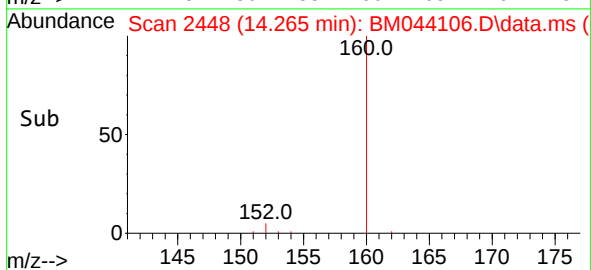
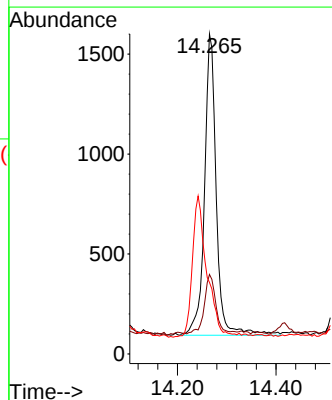
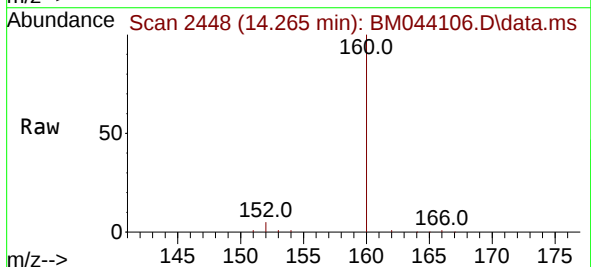
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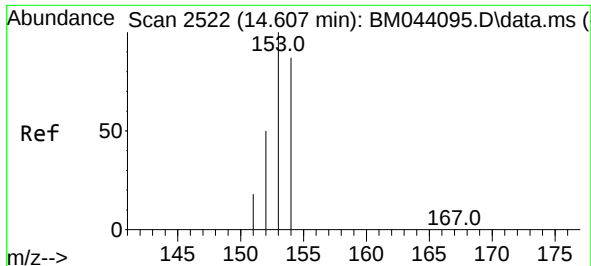
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#10
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.265 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

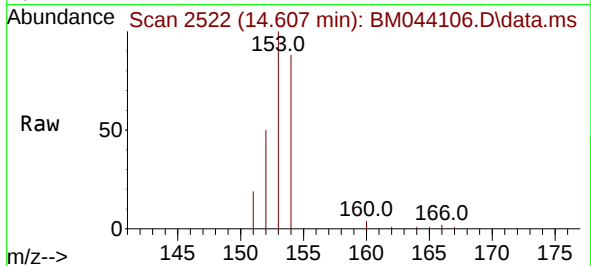
Tgt Ion:152 Resp: 2506
Ion Ratio Lower Upper
152 100
151 24.9 15.5 23.3#
153 22.4 10.8 16.2#





#11
Acenaphthene
Concen: 0.349 ng/u1
RT: 14.607 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

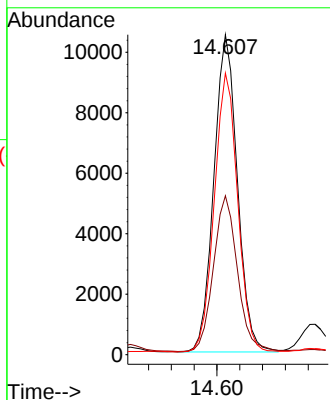
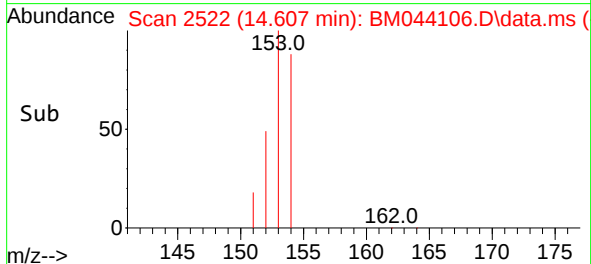
Instrument :
BNA_M
ClientSampleId :
C0FL5



Tgt Ion:153 Resp: 15019
Ion Ratio Lower Upper
153 100
152 49.7 40.6 61.0
154 88.0 70.1 105.1

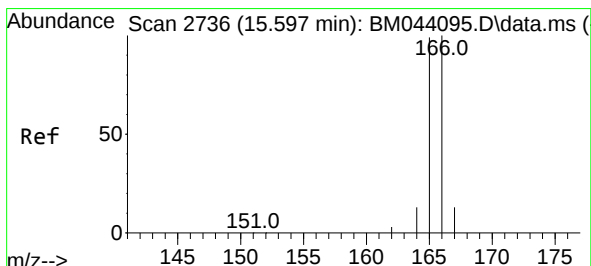
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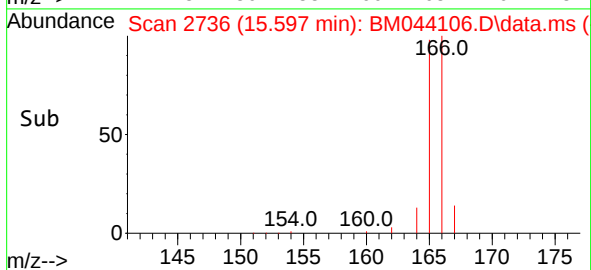
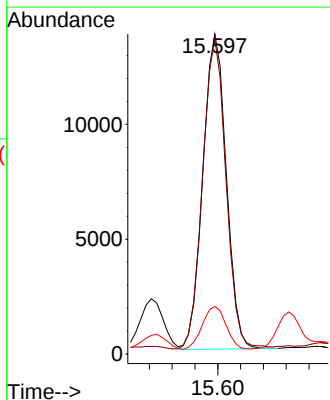
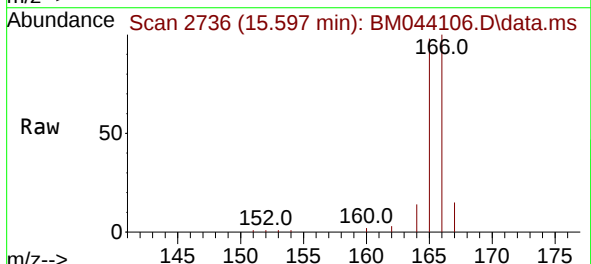
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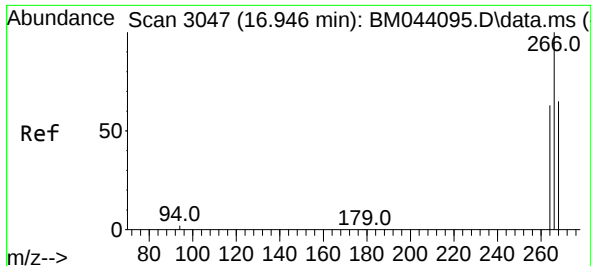
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#12
Fluorene
Concen: 0.405 ng/u1
RT: 15.597 min Scan# 2736
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

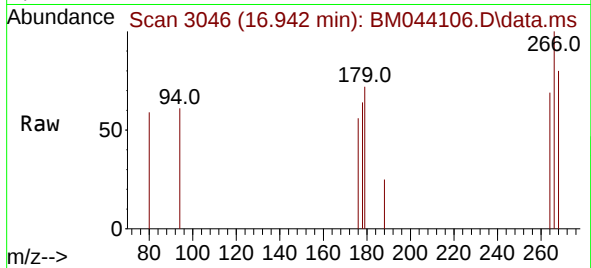
Tgt Ion:166 Resp: 19612
Ion Ratio Lower Upper
166 100
165 98.4 79.8 119.6
167 14.9 11.1 16.7





#14
Pentachlorophenol
Concen: 0.058 ng/ul
RT: 16.942 min Scan# 3047
Delta R.T. -0.004 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Instrument :
BNA_M
ClientSampleId :
C0FL5



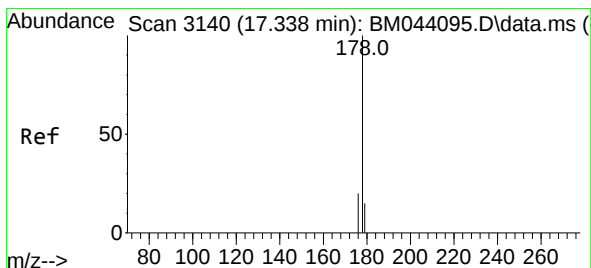
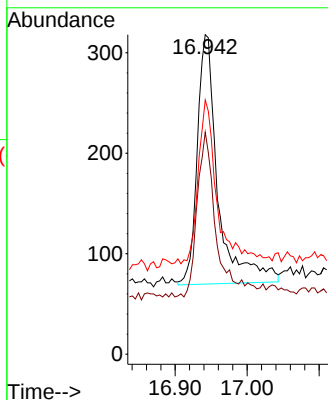
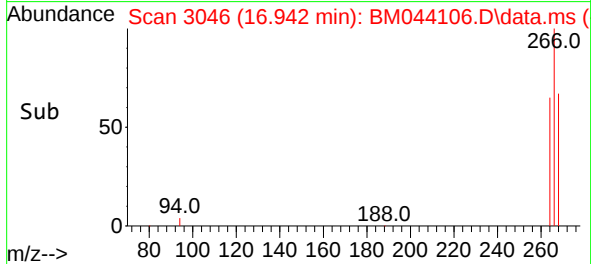
Tgt Ion:266 Resp: 490
Ion Ratio Lower Upper
266 100
264 67.1 49.4 74.0
268 62.7 52.1 78.1

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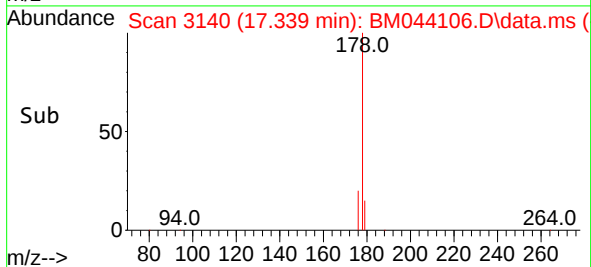
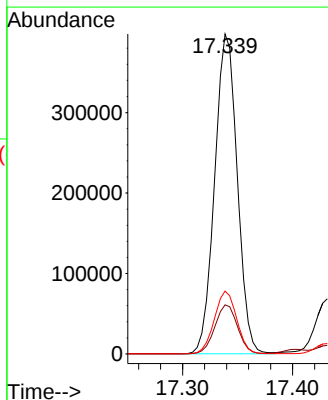
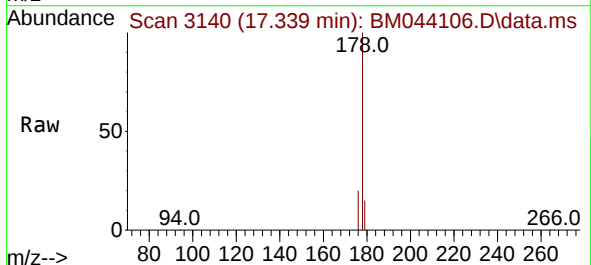
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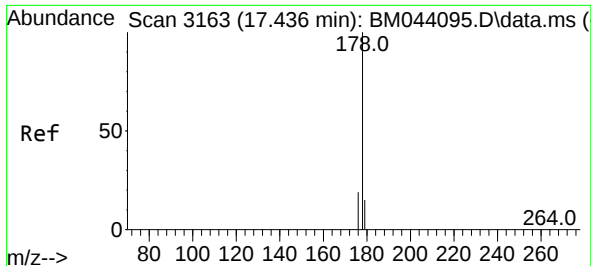
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#15
Phenanthrene
Concen: 7.505 ng/ul m
RT: 17.339 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

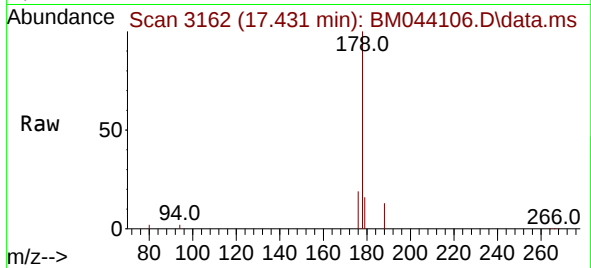
Tgt Ion:178 Resp: 568507
Ion Ratio Lower Upper
178 100
179 15.4 12.6 19.0
176 19.7 16.0 24.0





#16
 Anthracene
 Concen: 1.263 ng/ul
 RT: 17.431 min Scan# 3162
 Delta R.T. -0.004 min
 Lab File: BM044106.D
 Acq: 15 Feb 2024 17:56

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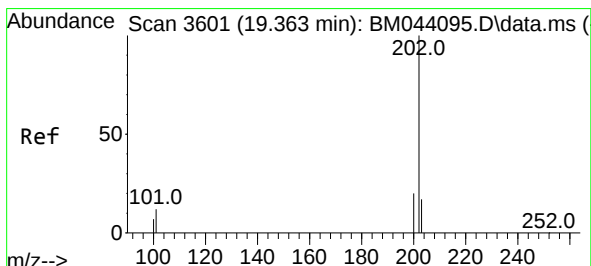
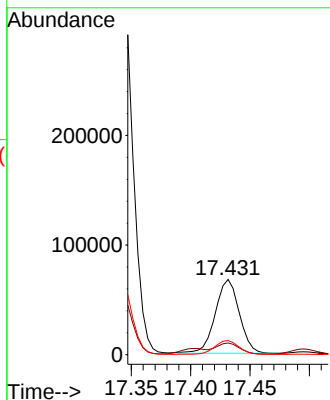
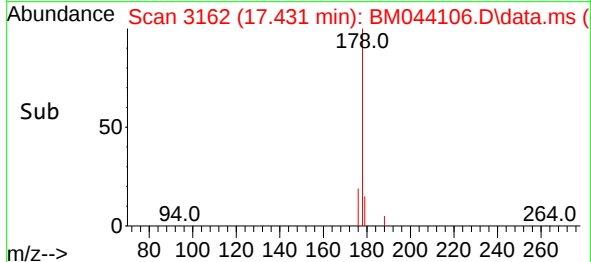
Tgt Ion:178 Resp: 94670
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.8 19.2
 176 18.8 15.3 22.9

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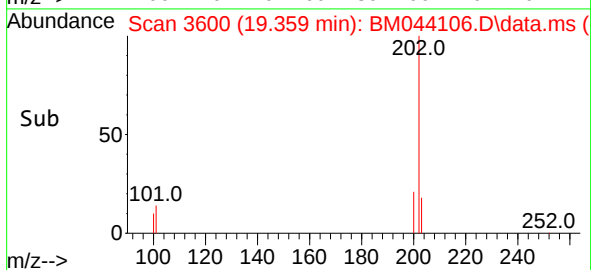
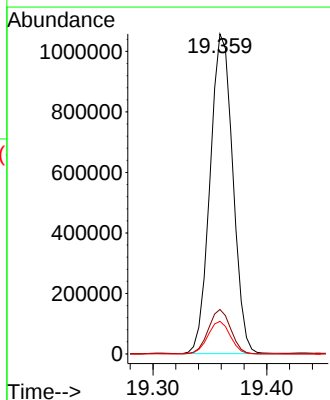
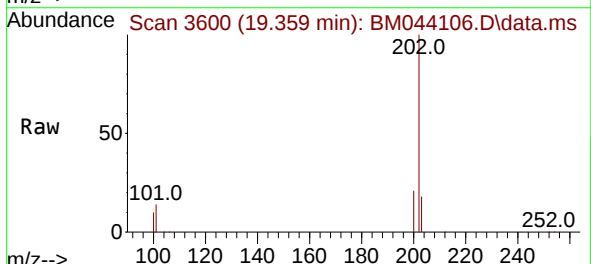
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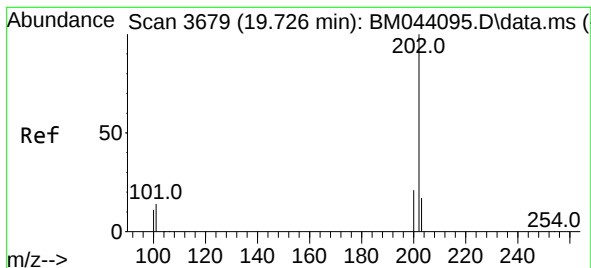
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#19
 Fluoranthene
 Concen: 18.761 ng/ul m
 RT: 19.359 min Scan# 3600
 Delta R.T. -0.005 min
 Lab File: BM044106.D
 Acq: 15 Feb 2024 17:56

Tgt Ion:202 Resp: 1462701
 Ion Ratio Lower Upper
 202 100
 101 13.9 9.8 14.6
 100 10.2 7.0 10.4





#20

Pyrene

Concen: 15.380 ng/ul

RT: 19.726 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM044106.D

Acq: 15 Feb 2024 17:56

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:202 Resp: 126099

Ion Ratio Lower Upper

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101 15.2 11.2 16.8

100 11.8 8.6 13.0

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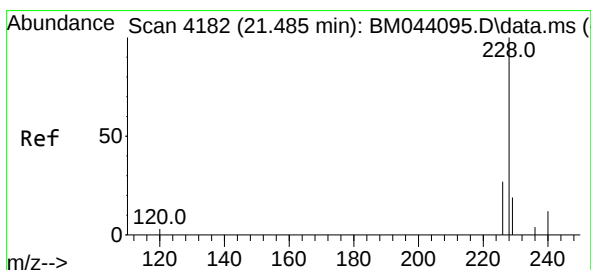
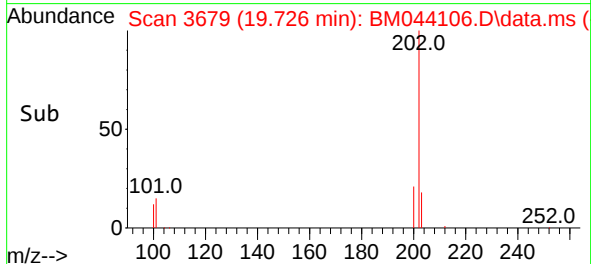
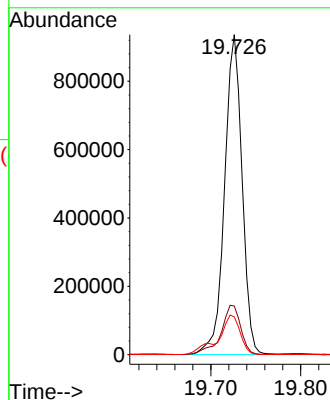
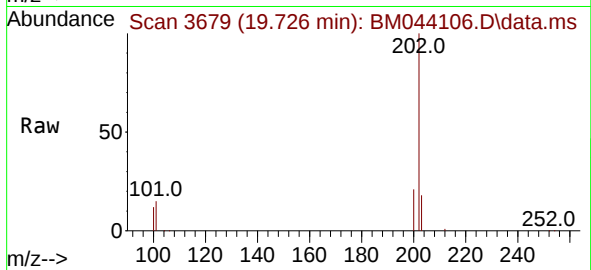
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ahmed

02/19/2024



#21

Benzo(a)anthracene

Concen: 9.006 ng/ul m

RT: 21.479 min Scan# 4180

Delta R.T. -0.006 min

Lab File: BM044106.D

Acq: 15 Feb 2024 17:56

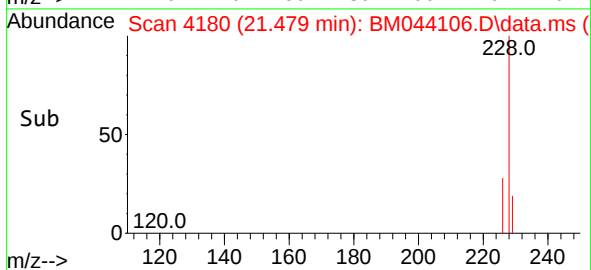
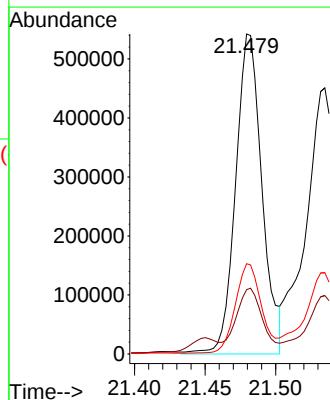
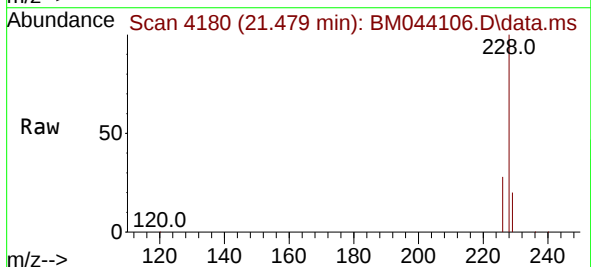
Tgt Ion:228 Resp: 705333

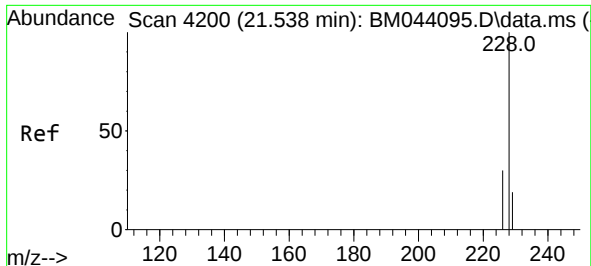
Ion Ratio Lower Upper

228 100

229 20.1 15.4 23.2

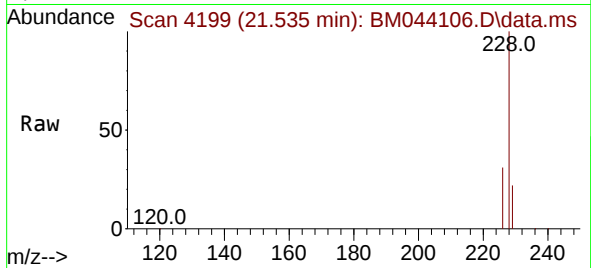
226 28.2 22.1 33.1





#22
Chrysene
Concen: 8.223 ng/ul m
RT: 21.535 min Scan# 4199
Delta R.T. -0.003 min
Lab File: BM044106.D
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Instrument :
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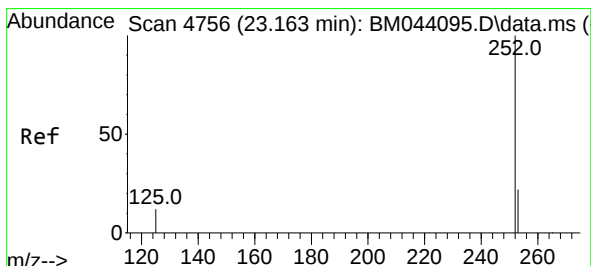
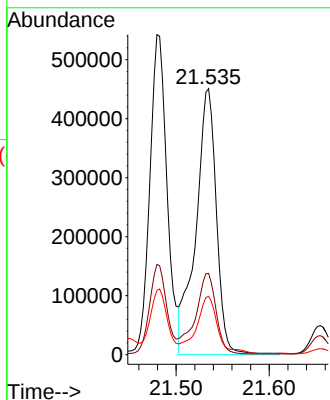
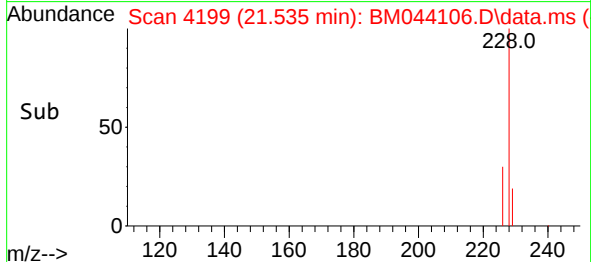
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Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 22.0 15.8 23.6

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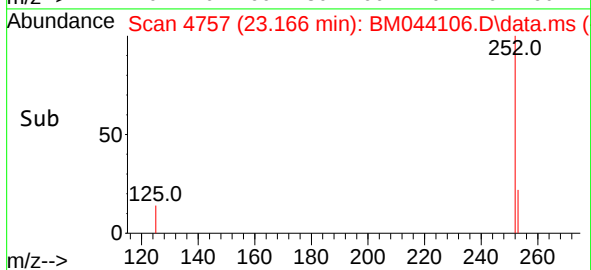
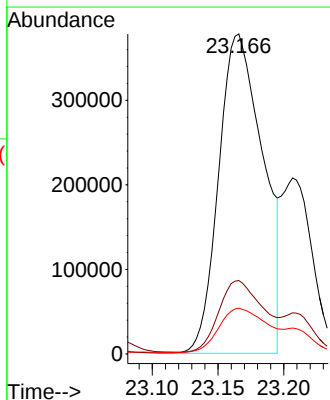
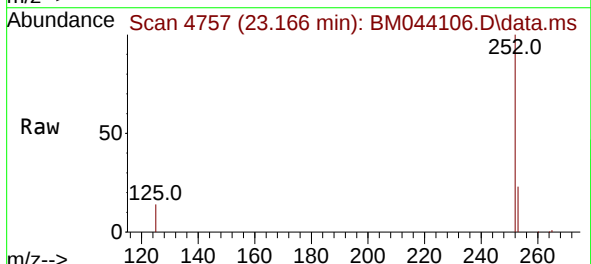
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ahmed

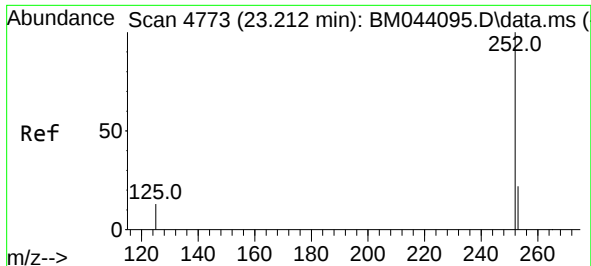
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#24
Benzo(b)fluoranthene
Concen: 9.359 ng/ul m
RT: 23.166 min Scan# 4757
Delta R.T. 0.003 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

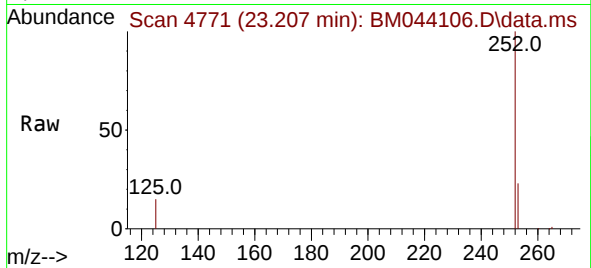
Tgt Ion:252 Resp: 886067
Ion Ratio Lower Upper
252 100
253 22.9 0.0 50.0
125 14.3 0.0 28.2





#25
Benzo(k)fluoranthene
Concen: 3.340 ng/ul m
RT: 23.207 min Scan# 4771
Delta R.T. -0.006 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Instrument :
BNA_M
ClientSampleId :
C0FL5



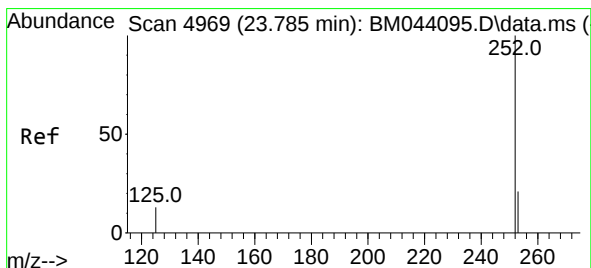
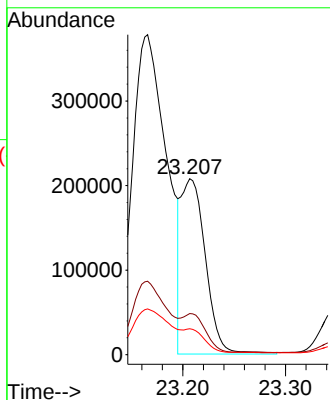
Tgt Ion:252 Resp: 34323
Ion Ratio Lower Upper
252 100
253 23.4 20.1 30.1
125 14.7 12.3 18.5

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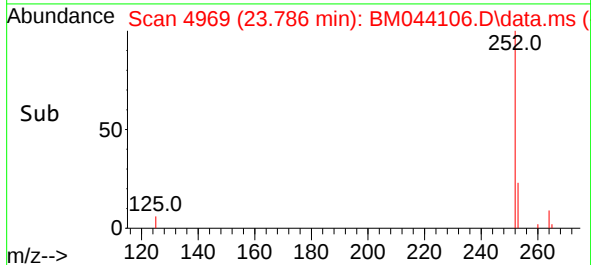
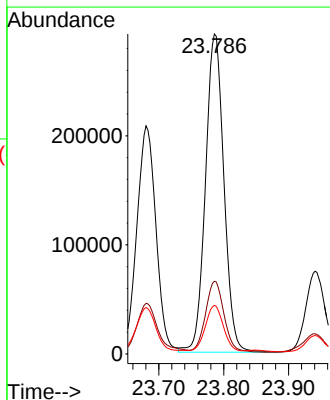
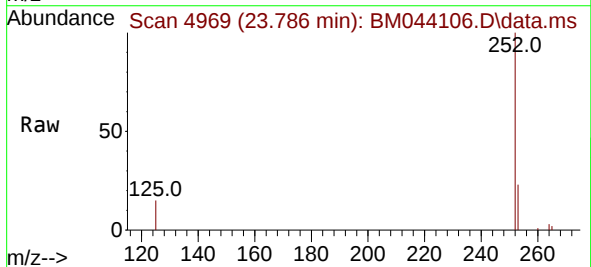
02/17/2024
Supervised By :mohammad
ahmed

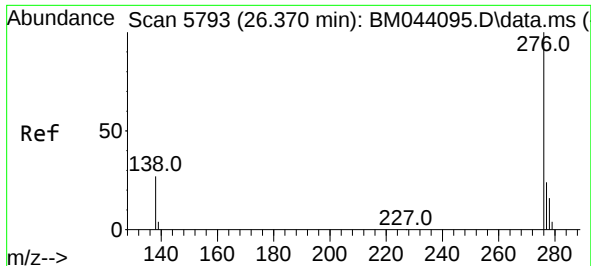
02/19/2024



#26
Benzo(a)pyrene
Concen: 6.549 ng/ul m
RT: 23.786 min Scan# 4969
Delta R.T. 0.000 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

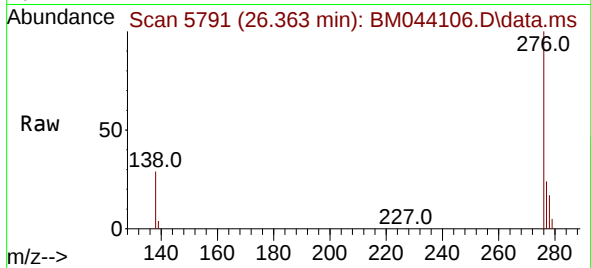
Tgt Ion:252 Resp: 576347
Ion Ratio Lower Upper
252 100
253 22.7 21.4 32.2
125 15.2 13.3 19.9





#27
Indeno(1,2,3-cd)pyrene
Concen: 3.091 ng/ul m
RT: 26.363 min Scan# 5791
Delta R.T. -0.007 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

Instrument :
BNA_M
ClientSampleId :
C0FL5



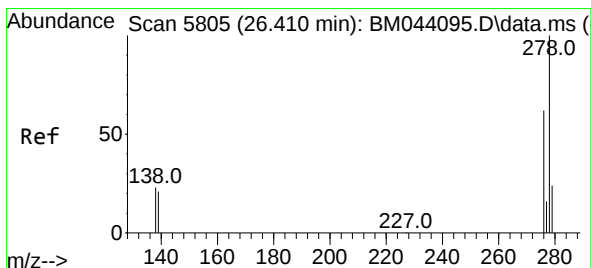
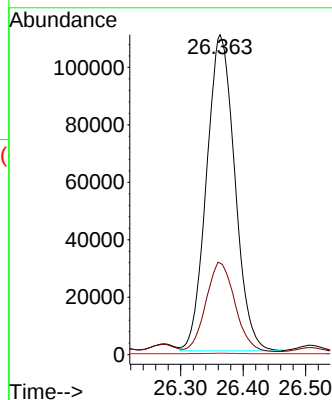
Tgt Ion:276 Resp: 346309
Ion Ratio Lower Upper
276 100
138 3.5 25.2 37.8
227 0.1 0.1 0.1

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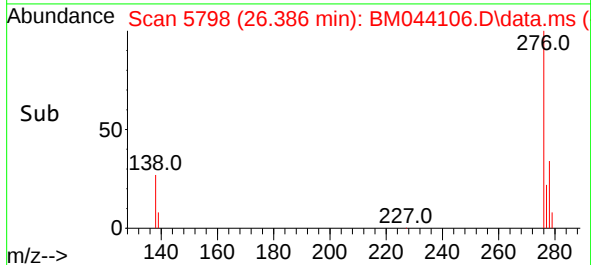
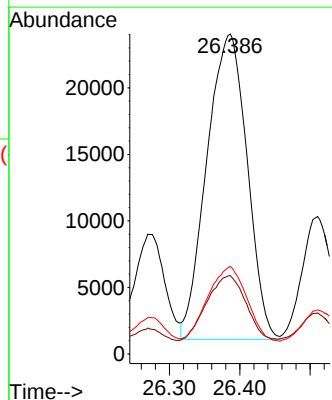
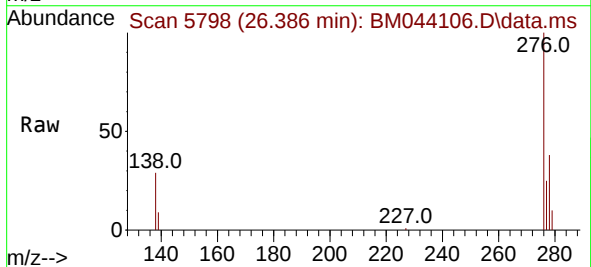
02/17/2024
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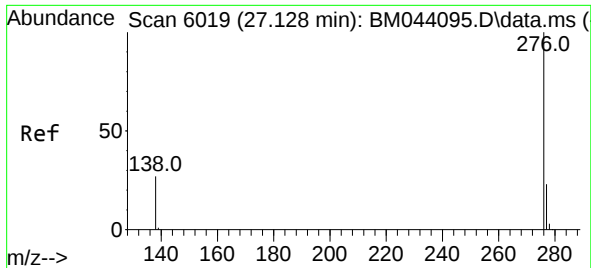
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#28
Dibenzo(a,h)anthracene
Concen: 1.036 ng/ul m
RT: 26.386 min Scan# 5798
Delta R.T. -0.023 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

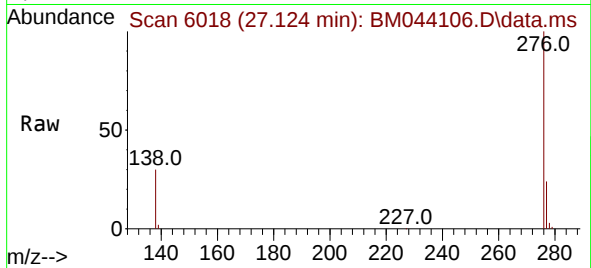
Tgt Ion:278 Resp: 91425
Ion Ratio Lower Upper
278 100
139 24.5 17.8 26.8
279 27.3 21.8 32.8





#29
Benzo(g,h,i)perylene
Concen: 2.882 ng/ul m
RT: 27.124 min Scan# 6019
Delta R.T. -0.003 min
Lab File: BM044106.D
Acq: 15 Feb 2024 17:56

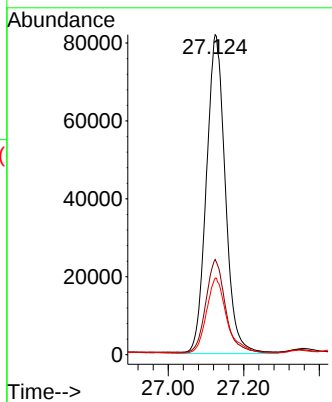
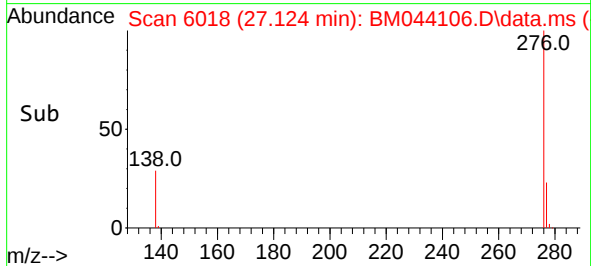
Instrument :
BNA_M
ClientSampleId :
C0FL5



Tgt Ion:276 Resp: 285610
Ion Ratio Lower Upper
276 100
138 29.7 22.7 34.1
277 23.9 19.0 28.6

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02/19/2024