

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
 Data File : BM040877.D  
 Acq On : 14 Jul 2023 13:46  
 Operator : MA/JU  
 Sample : 03418-05DL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4643DL

Quant Time: Jul 15 03:14:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 03:14:53 2023  
 Response via : Initial Calibration

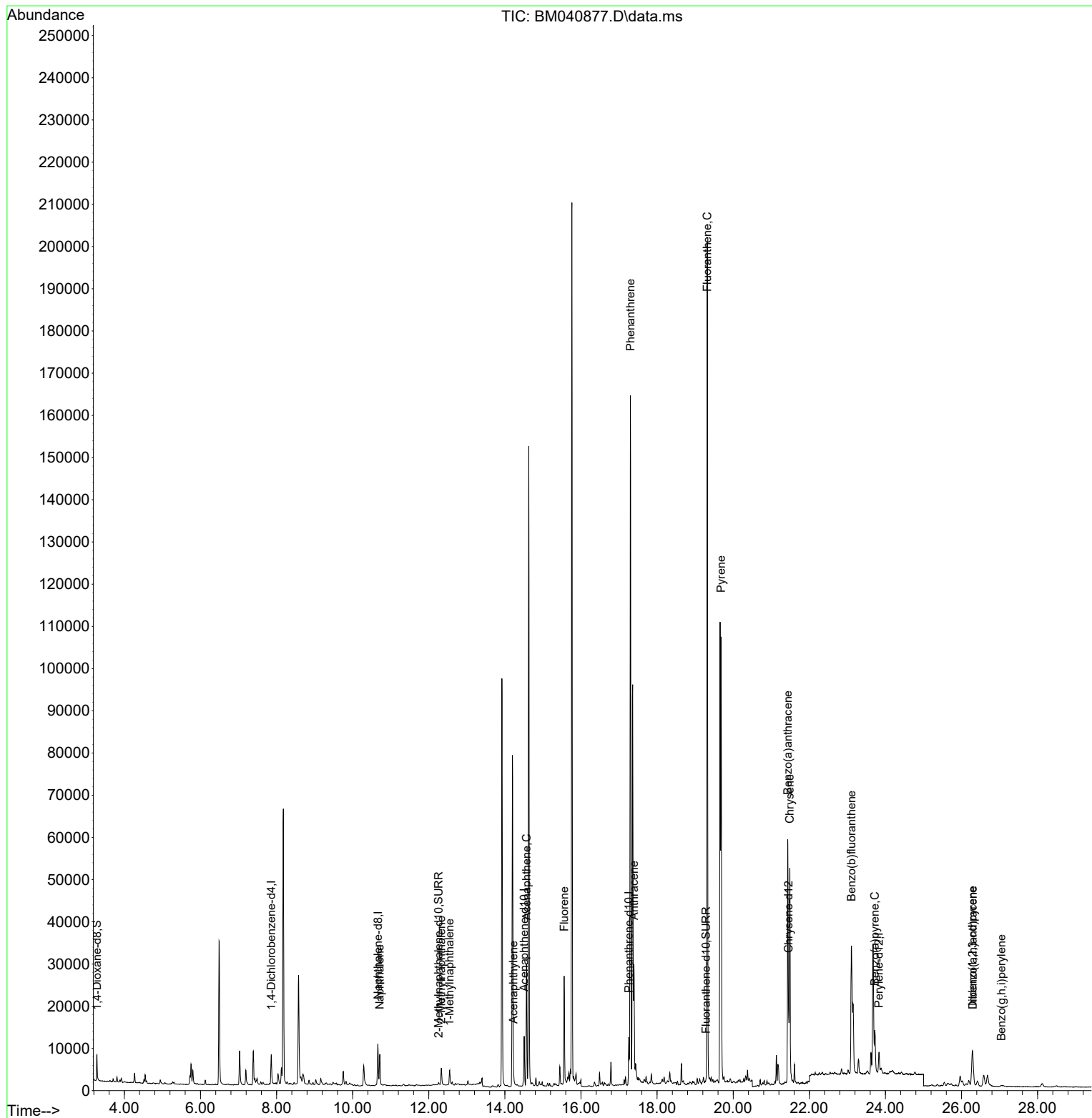
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.861  | 152  | 3807     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.664 | 136  | 13296    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.509 | 164  | 6440     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.257 | 188  | 14648    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.451 | 240  | 7426     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.830 | 264  | 6814     | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.280  | 96   | 3517     | 0.588 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.258 | 152  | 858      | 0.046 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.287 | 212  | 1275     | 0.054 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.713 | 128  | 10315    | 0.281 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.330 | 142  | 3320     | 0.154 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.550 | 142  | 2524     | 0.117 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.227 | 152  | 1015     | 0.035 | ng/ul# | 54       |
| 11) Acenaphthene            | 14.569 | 153  | 16094    | 0.662 | ng/ul  | 97       |
| 12) Fluorene                | 15.559 | 166  | 15784    | 0.609 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.299 | 178  | 163127   | 3.585 | ng/ul  | 98       |
| 16) Anthracene              | 17.392 | 178  | 29033    | 0.759 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.320 | 202  | 160011   | 5.073 | ng/ul  | 95       |
| 20) Pyrene                  | 19.682 | 202  | 85926    | 2.541 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.434 | 228  | 49358    | 1.965 | ng/ul  | 99       |
| 22) Chrysene                | 21.486 | 228  | 49973    | 1.744 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.108 | 252  | 51895    | 1.968 | ng/ul  | 93       |
| 26) Benzo(a)pyrene          | 23.722 | 252  | 13920    | 0.586 | ng/ul  | 100      |
| 27) Indeno(1,2,3-cd)pyrene  | 26.287 | 276  | 12981    | 0.392 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 26.297 | 278  | 5479     | 0.212 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.048 | 276  | 695      | 0.024 | ng/ul# | 22       |
| -----                       |        |      |          |       |        |          |

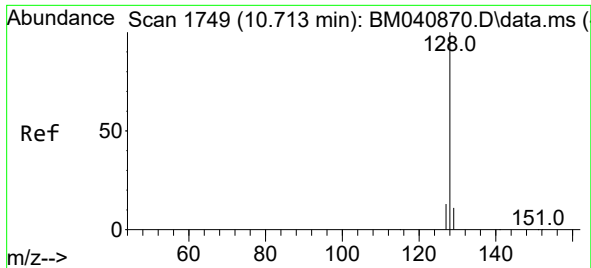
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 14 03:14:53 2023  
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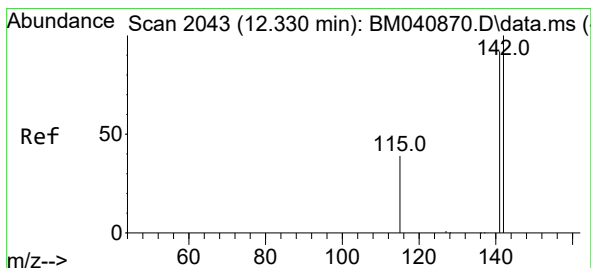
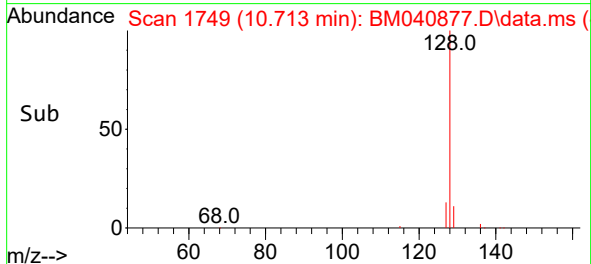
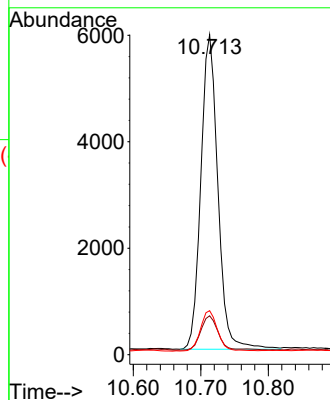
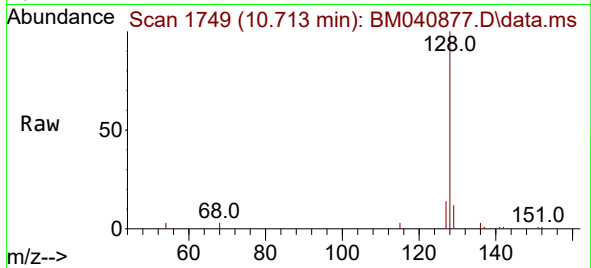




#5  
Naphthalene  
Concen: 0.281 ng/ul  
RT: 10.713 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

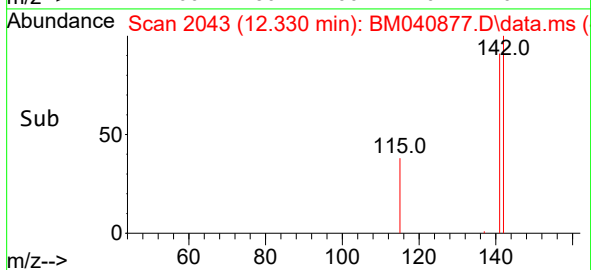
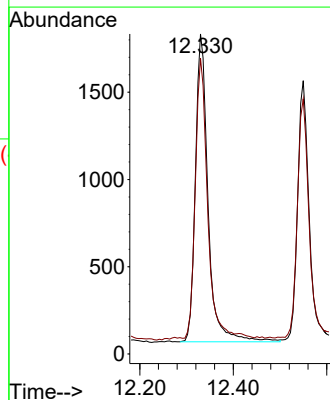
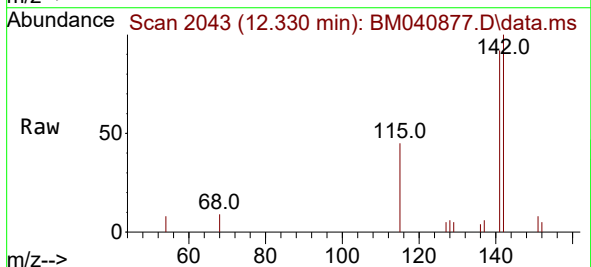
Instrument :  
BNA\_M  
ClientSampleId :  
A4643DL

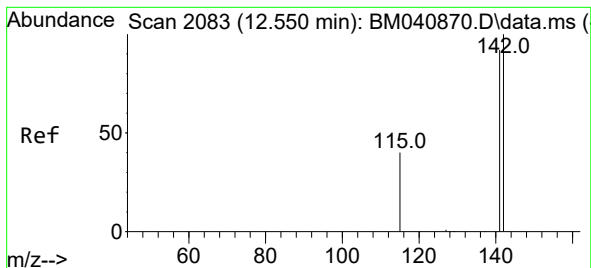
Tgt Ion:128 Resp: 10315  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.2 13.8  
127 13.7 10.6 15.8



#7  
2-Methylnaphthalene  
Concen: 0.154 ng/ul  
RT: 12.330 min Scan# 2043  
Delta R.T. -0.011 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

Tgt Ion:142 Resp: 3320  
Ion Ratio Lower Upper  
142 100  
141 88.3 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.117 ng/ul

RT: 12.550 min Scan# 2083

Delta R.T. -0.005 min

Lab File: BM040877.D

Acq: 14 Jul 2023 13:46

Instrument :

BNA\_M

ClientSampleId :

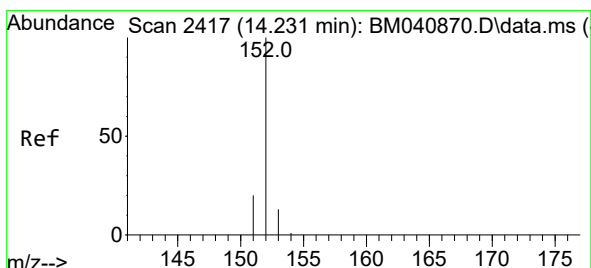
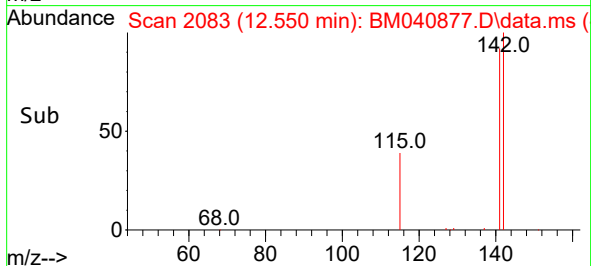
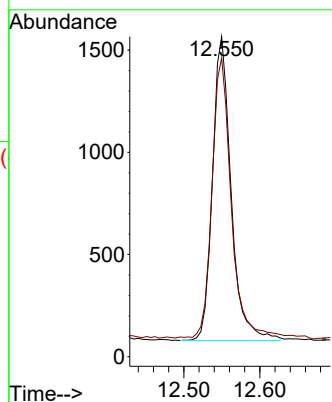
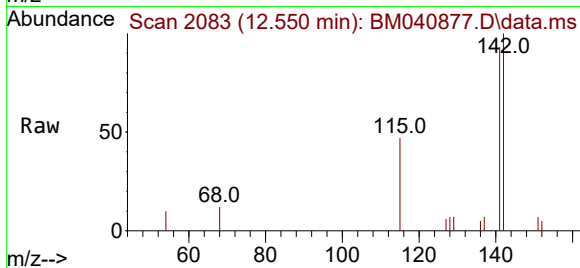
A4643DL

Tgt Ion:142 Resp: 2524

Ion Ratio Lower Upper

142 100

141 94.6 73.7 110.5



#10

Acenaphthylene

Concen: 0.035 ng/ul

RT: 14.227 min Scan# 2416

Delta R.T. -0.009 min

Lab File: BM040877.D

Acq: 14 Jul 2023 13:46

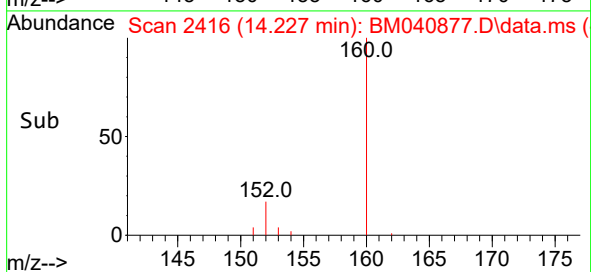
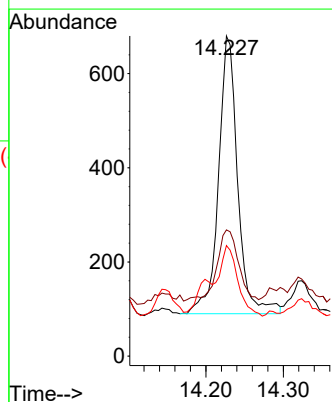
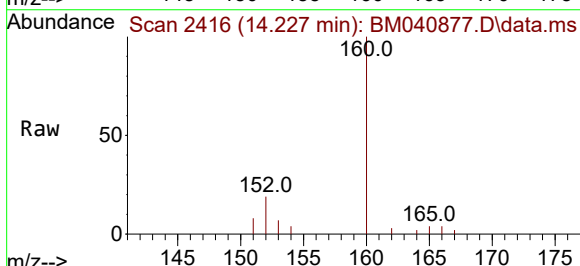
Tgt Ion:152 Resp: 1015

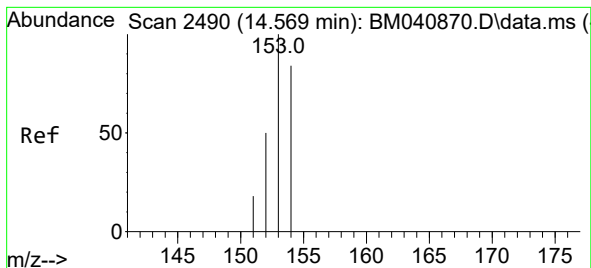
Ion Ratio Lower Upper

152 100

151 39.4 16.2 24.2#

153 34.6 10.9 16.3#





#11

Acenaphthene

Concen: 0.662 ng/ul

RT: 14.569 min Scan# 2490

Delta R.T. -0.005 min

Lab File: BM040877.D

Acq: 14 Jul 2023 13:46

Instrument :

BNA\_M

ClientSampleId :

A4643DL

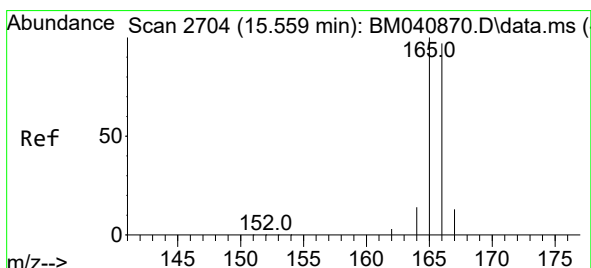
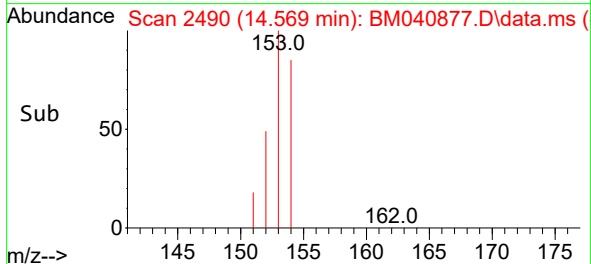
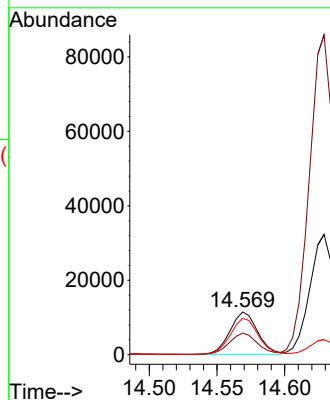
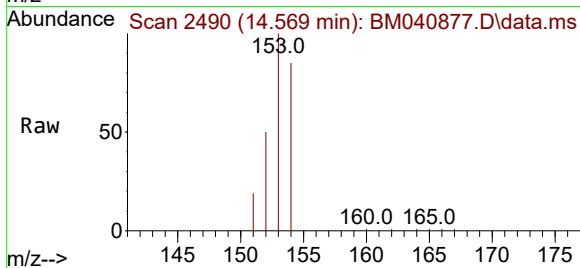
Tgt Ion:153 Resp: 16094

Ion Ratio Lower Upper

153 100

152 50.5 41.0 61.4

154 85.1 70.8 106.2



#12

Fluorene

Concen: 0.609 ng/ul

RT: 15.559 min Scan# 2704

Delta R.T. -0.005 min

Lab File: BM040877.D

Acq: 14 Jul 2023 13:46

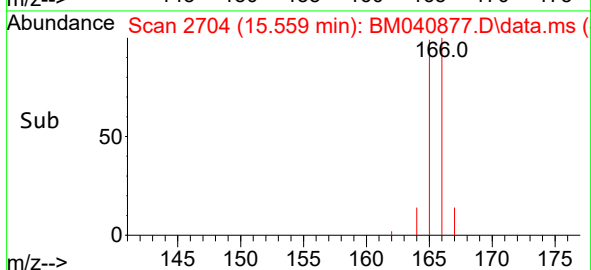
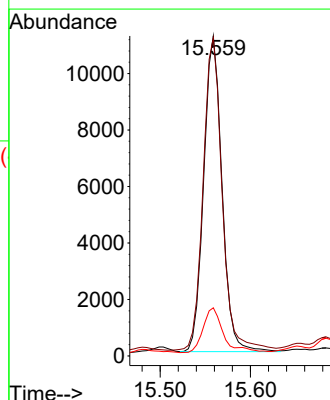
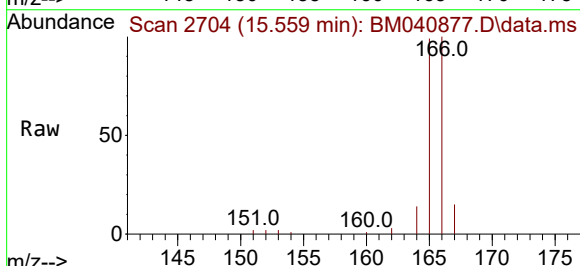
Tgt Ion:166 Resp: 15784

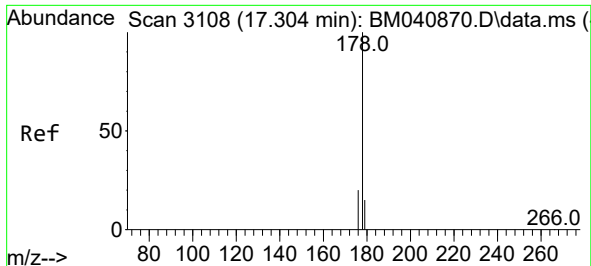
Ion Ratio Lower Upper

166 100

165 99.5 79.6 119.4

167 15.0 11.4 17.0

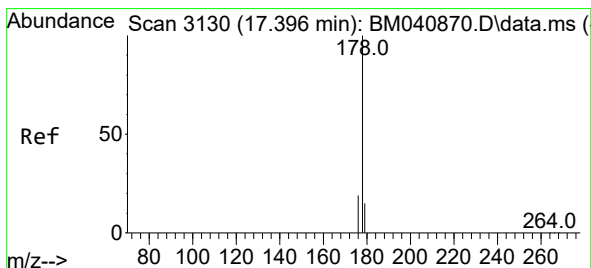
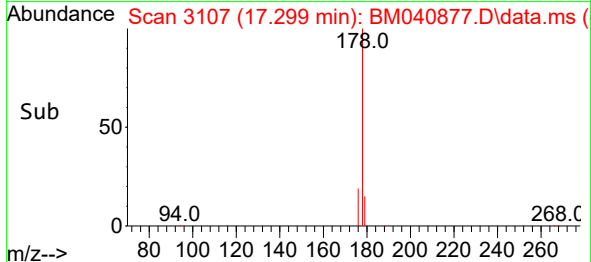
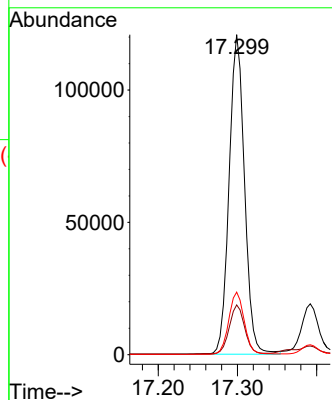
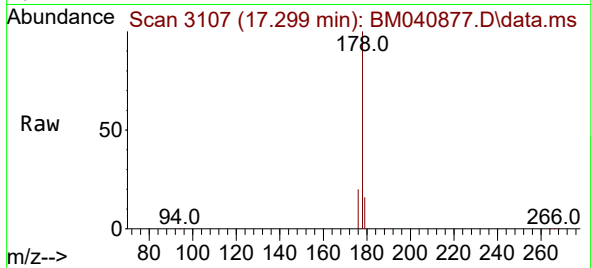




#15  
Phenanthrene  
Concen: 3.585 ng/ul  
RT: 17.299 min Scan# 3107  
Delta R.T. -0.008 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

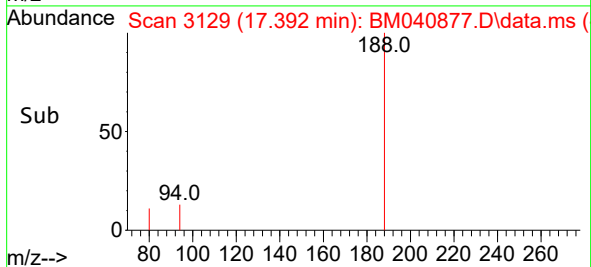
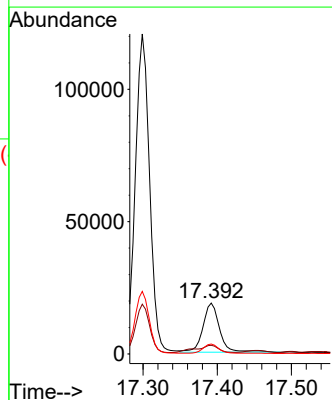
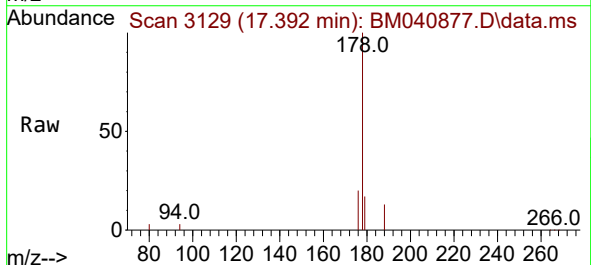
Instrument :  
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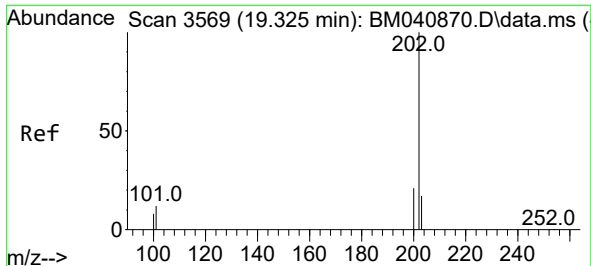
Tgt Ion:178 Resp: 163127  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.8 19.2  
176 19.5 16.4 24.6



#16  
Anthracene  
Concen: 0.759 ng/ul  
RT: 17.392 min Scan# 3129  
Delta R.T. -0.008 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

Tgt Ion:178 Resp: 29033  
Ion Ratio Lower Upper  
178 100  
179 17.2 12.9 19.3  
176 19.5 15.8 23.6

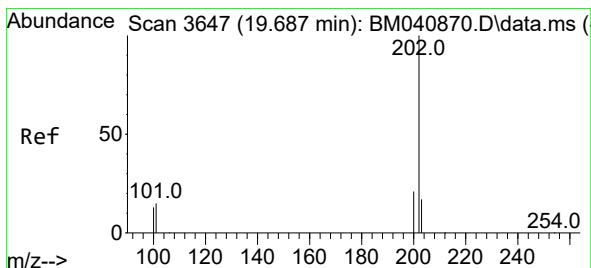
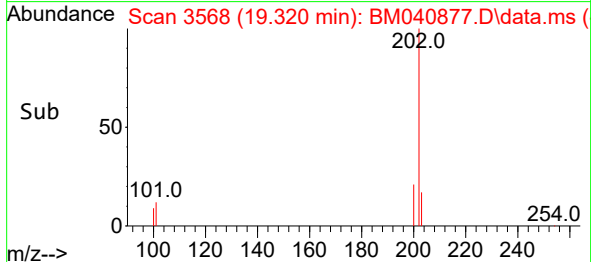
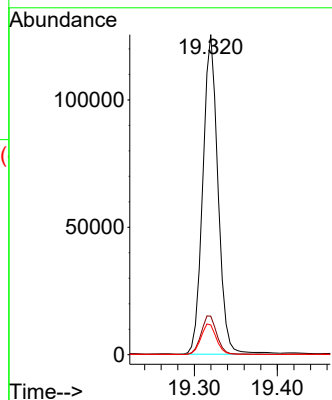
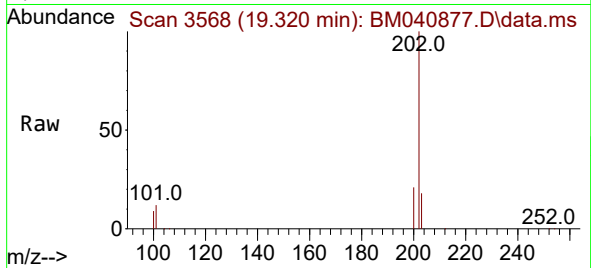




#19  
Fluoranthene  
Concen: 5.073 ng/ul  
RT: 19.320 min Scan# 3568  
Delta R.T. -0.009 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

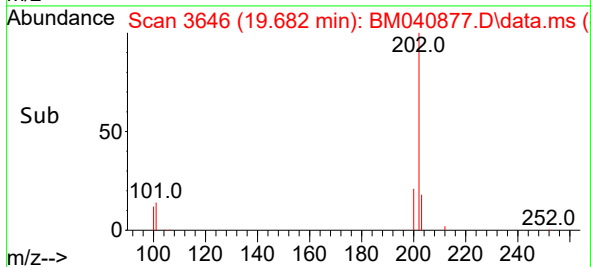
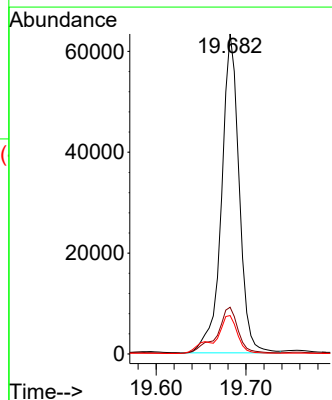
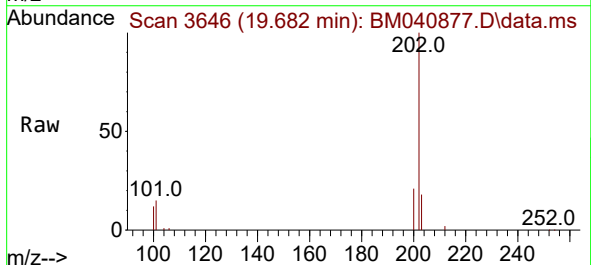
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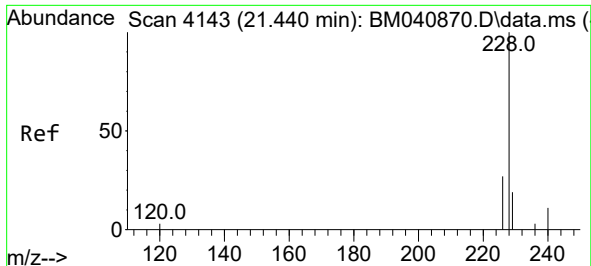
Tgt Ion:202 Resp: 160011  
Ion Ratio Lower Upper  
202 100  
101 12.1 11.4 17.0  
100 9.3 8.7 13.1



#20  
Pyrene  
Concen: 2.541 ng/ul  
RT: 19.682 min Scan# 3646  
Delta R.T. -0.009 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

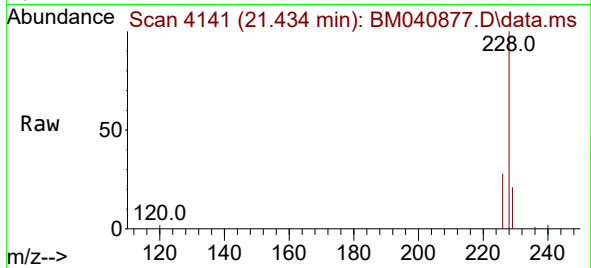
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Ion Ratio Lower Upper  
202 100  
101 14.6 12.6 18.8  
100 12.0 9.8 14.6



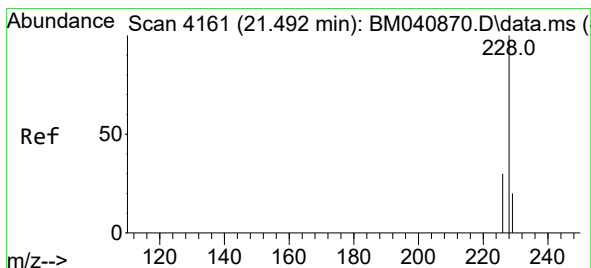
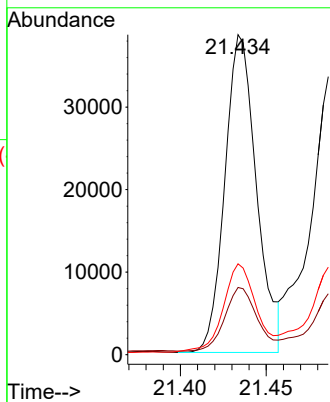
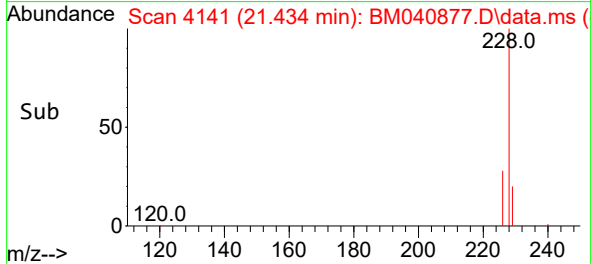


#21  
Benzo(a)anthracene  
Concen: 1.965 ng/ul  
RT: 21.434 min Scan# 4141  
Delta R.T. -0.012 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

Instrument :  
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ClientSampleId :  
A4643DL

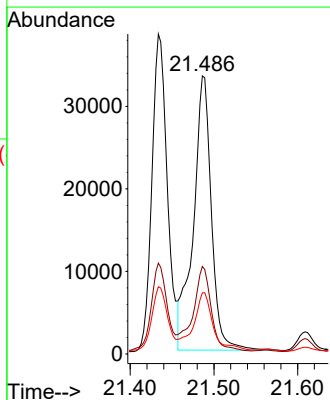
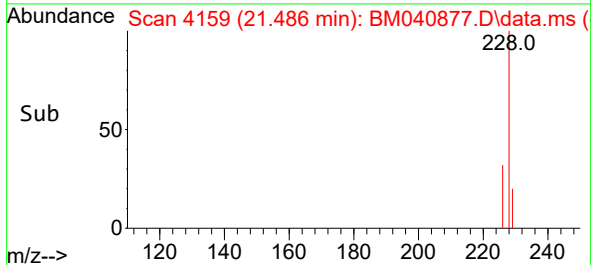
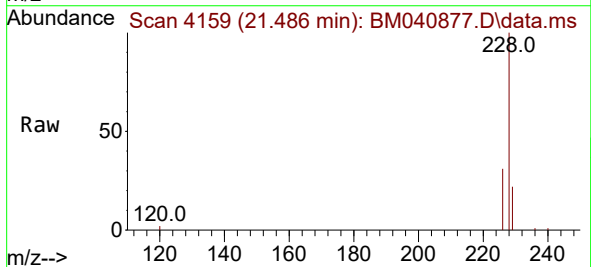


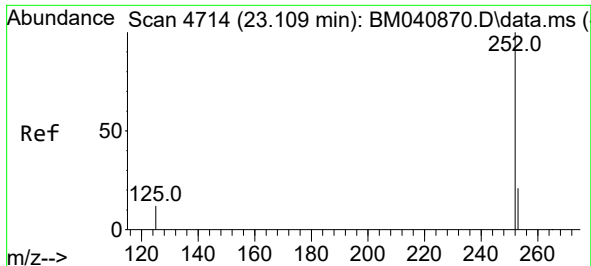
Tgt Ion:228 Resp: 49358  
Ion Ratio Lower Upper  
228 100  
229 21.0 16.0 24.0  
226 28.4 22.3 33.5



#22  
Chrysene  
Concen: 1.744 ng/ul  
RT: 21.486 min Scan# 4159  
Delta R.T. -0.012 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

Tgt Ion:228 Resp: 49973  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.9 37.3  
229 22.0 15.8 23.6

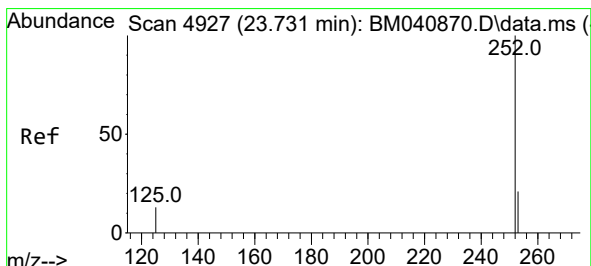
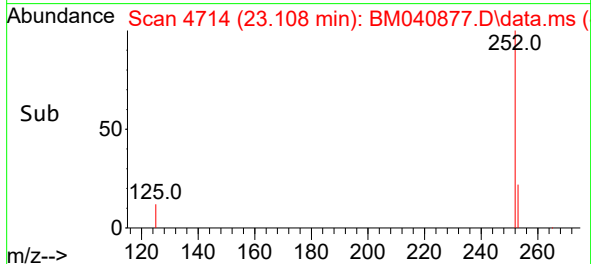
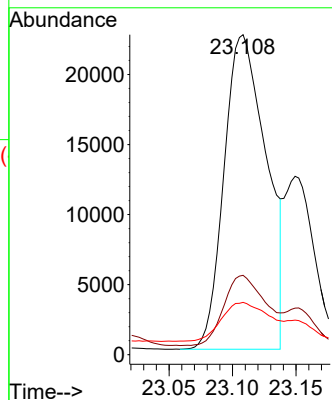
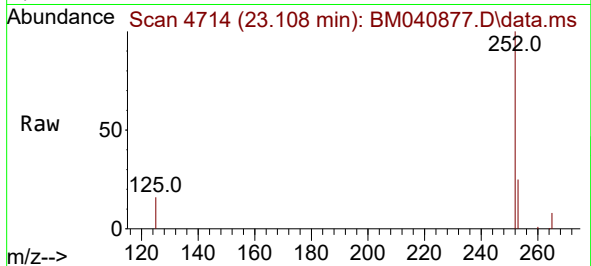




#24  
Benzo(b)fluoranthene  
Concen: 1.968 ng/ul  
RT: 23.108 min Scan# 4714  
Delta R.T. -0.012 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

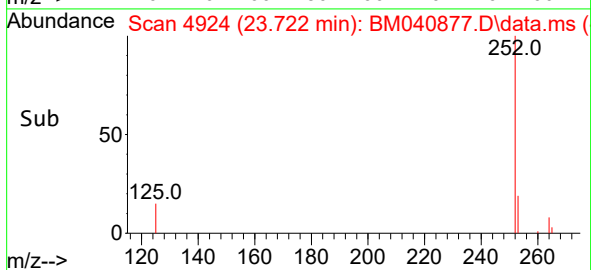
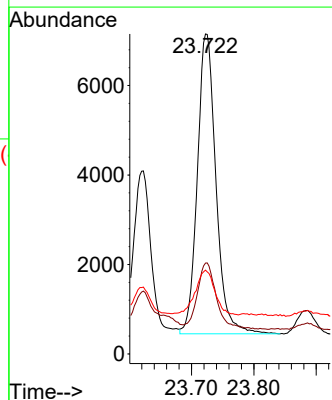
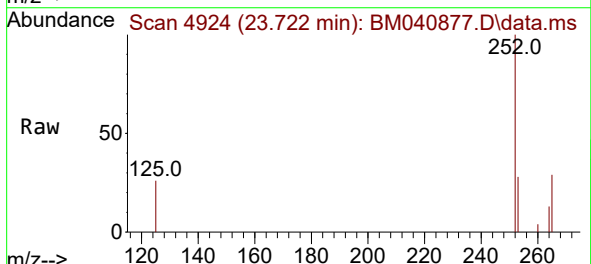
Instrument :  
BNA\_M  
ClientSampleId :  
A4643DL

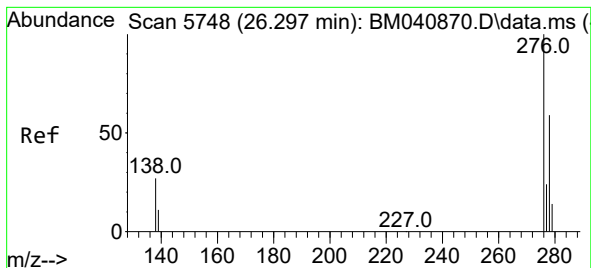
Tgt Ion:252 Resp: 51895  
Ion Ratio Lower Upper  
252 100  
253 24.8 0.0 52.8  
125 16.3 0.0 43.0



#26  
Benzo(a)pyrene  
Concen: 0.586 ng/ul  
RT: 23.722 min Scan# 4924  
Delta R.T. -0.018 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

Tgt Ion:252 Resp: 13920  
Ion Ratio Lower Upper  
252 100  
253 28.4 22.9 34.3  
125 26.2 21.0 31.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.392 ng/ul

RT: 26.287 min Scan# 5

Delta R.T. -0.020 min

Lab File: BM040877.D

Acq: 14 Jul 2023 13:46

Instrument :

BNA\_M

ClientSampleId :

A4643DL

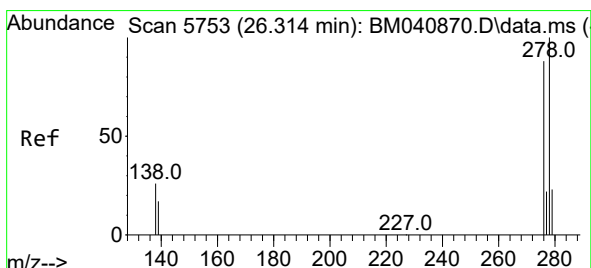
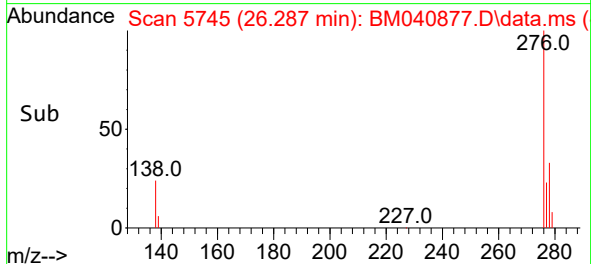
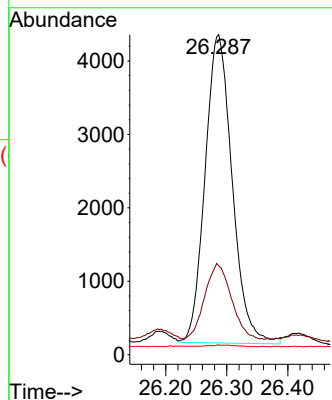
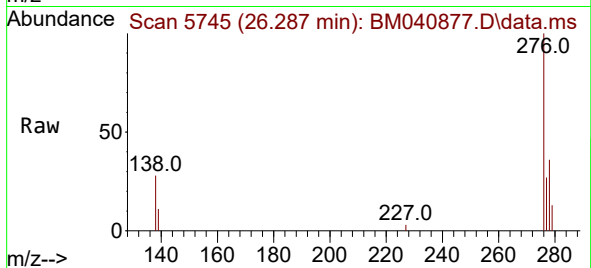
Tgt Ion:276 Resp: 12981

Ion Ratio Lower Upper

276 100

138 24.8 24.5 36.7

227 0.5 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.212 ng/ul

RT: 26.297 min Scan# 5748

Delta R.T. -0.030 min

Lab File: BM040877.D

Acq: 14 Jul 2023 13:46

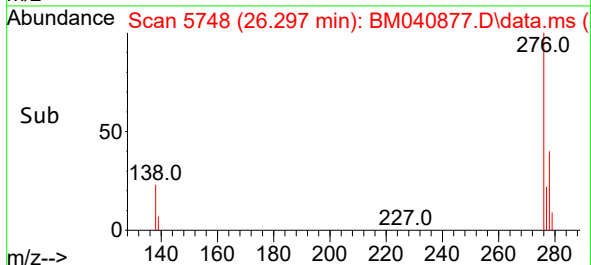
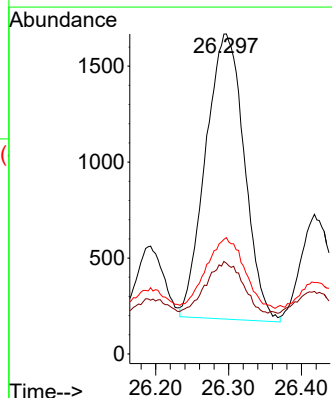
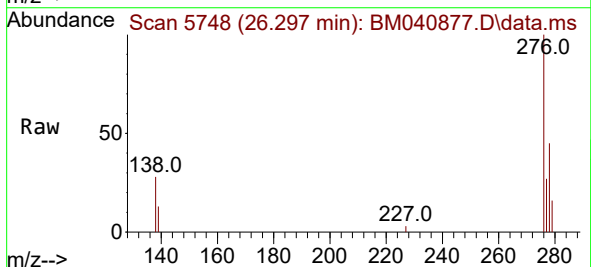
Tgt Ion:278 Resp: 5479

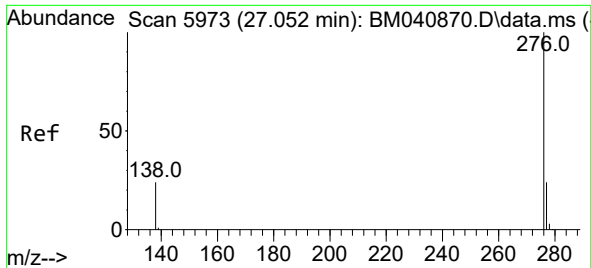
Ion Ratio Lower Upper

278 100

139 28.4 17.9 26.9#

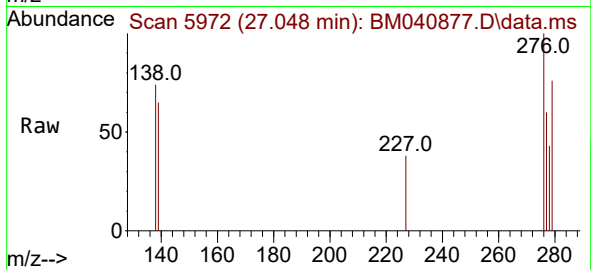
279 36.3 22.0 33.0#





#29  
Benzo(g,h,i)perylene  
Concen: 0.024 ng/ul  
RT: 27.048 min Scan# 5972  
Delta R.T. -0.020 min  
Lab File: BM040877.D  
Acq: 14 Jul 2023 13:46

Instrument :  
BNA\_M  
ClientSampleId :  
A4643DL



Tgt Ion:276 Resp: 695  
Ion Ratio Lower Upper  
276 100  
138 74.3 23.0 34.6#  
277 60.3 20.3 30.5#

