

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038285.D  
 Acq On : 24 Dec 2022 23:55  
 Operator : CG/JU  
 Sample : N6016-09  
 Misc :  
 ALS Vial : 93 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 25 02:58:22 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 24 05:23:31 2022  
 Response via : Initial Calibration

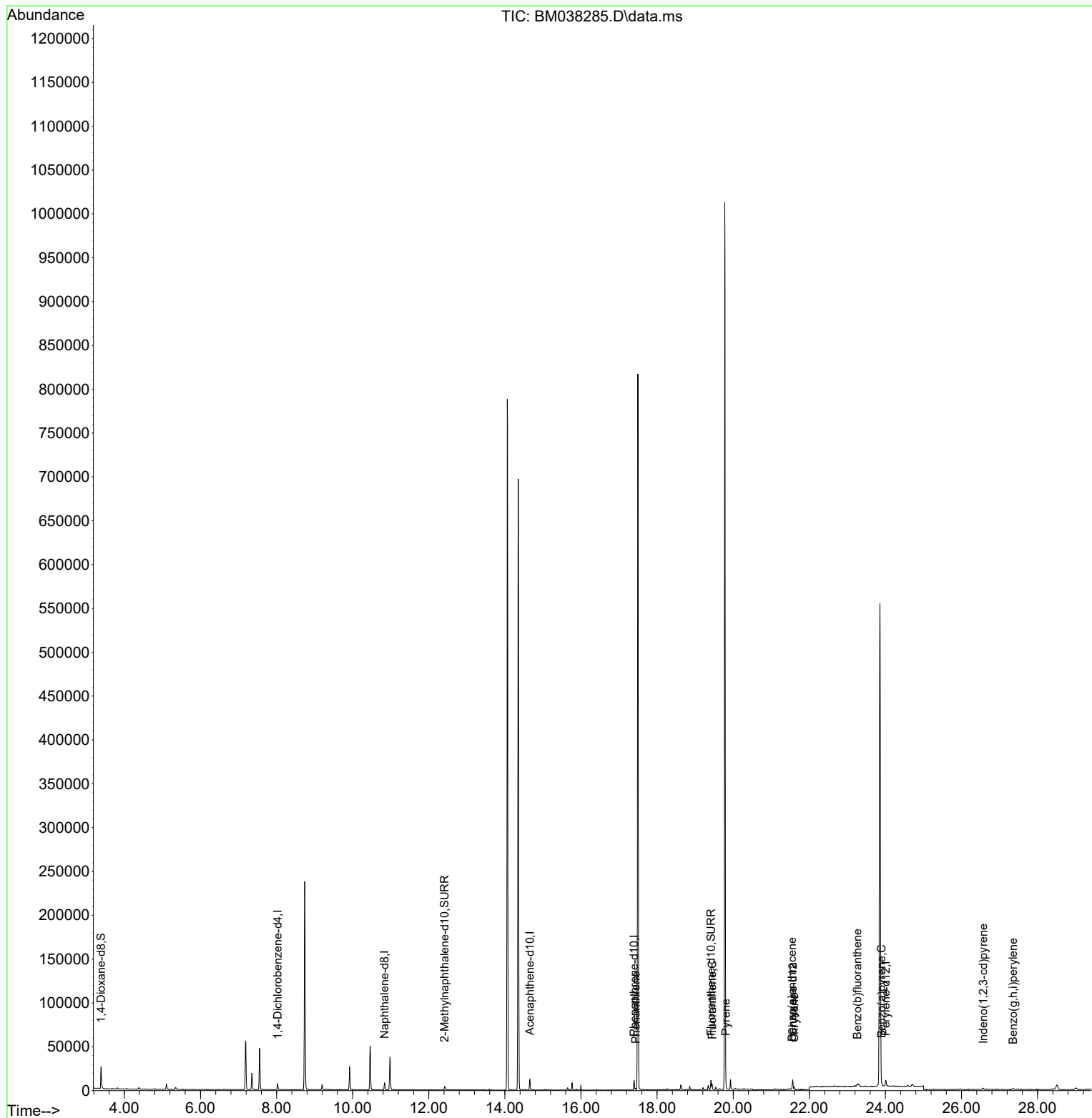
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.026  | 152  | 3364     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.839 | 136  | 10229    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.657 | 164  | 6177     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.396 | 188  | 12565    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.565 | 240  | 9436     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.012 | 264  | 8876     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.389  | 96   | 14841    | 4.337 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.418 | 152  | 4980     | 0.331 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.417 | 212  | 10463    | 0.295 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.438 | 178  | 1783     | 0.042 | ng/ul# | 85       |
| 19) Fluoranthene            | 19.445 | 202  | 4847     | 0.094 | ng/ul# | 80       |
| 20) Pyrene                  | 19.808 | 202  | 3996     | 0.076 | ng/ul# | 90       |
| 21) Benzo(a)anthracene      | 21.547 | 228  | 2437     | 0.059 | ng/ul# | 85       |
| 22) Chrysene                | 21.603 | 228  | 3029     | 0.075 | ng/ul# | 89       |
| 24) Benzo(b)fluoranthene    | 23.263 | 252  | 4898     | 0.125 | ng/ul# | 51       |
| 26) Benzo(a)pyrene          | 23.901 | 252  | 3076     | 0.090 | ng/ul# | 56       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.569 | 276  | 2704     | 0.057 | ng/ul# | 92       |
| 29) Benzo(g,h,i)perylene    | 27.357 | 276  | 2829     | 0.071 | ng/ul# | 75       |
| -----                       |        |      |          |       |        |          |

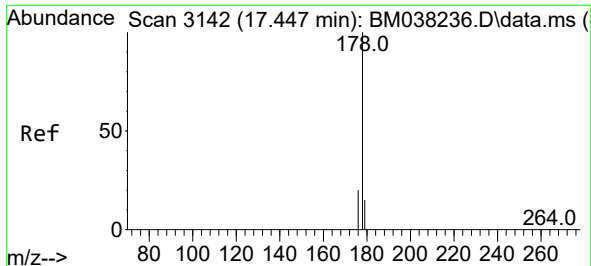
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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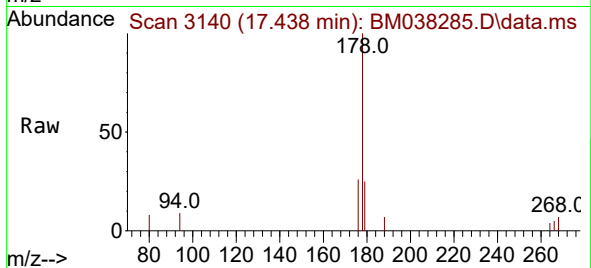
Quant Time: Dec 25 02:58:22 2022  
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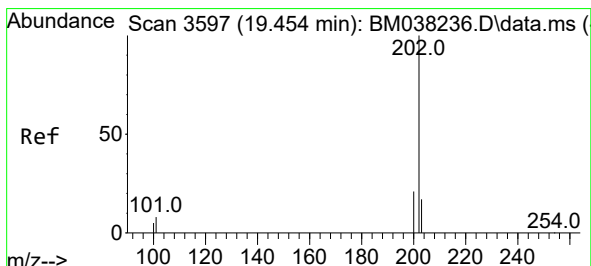
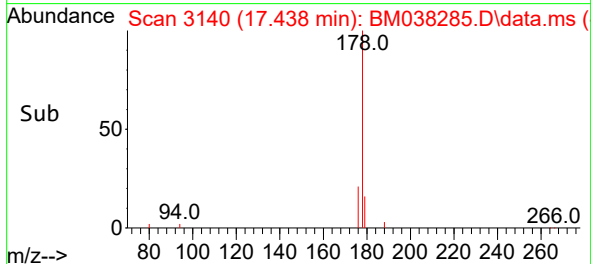
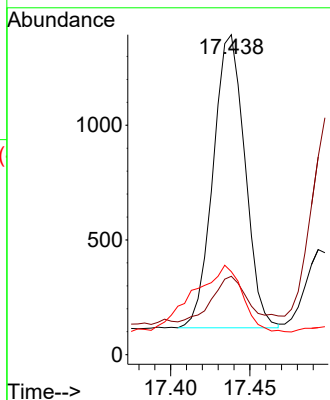


#15  
Phenanthrene  
Concen: 0.042 ng/ul  
RT: 17.438 min Scan# 3140  
Delta R.T. 0.000 min  
Lab File: BM038285.D  
Acq: 24 Dec 2022 23:55

Instrument :  
BNA\_M  
ClientSampleId :

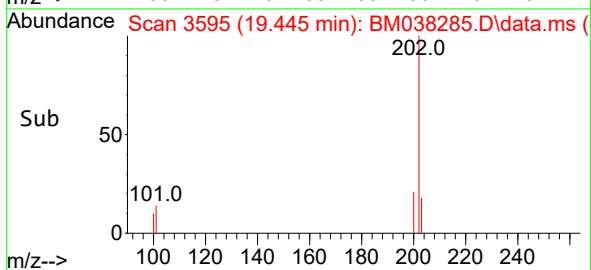
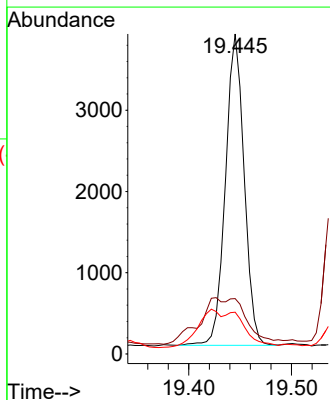
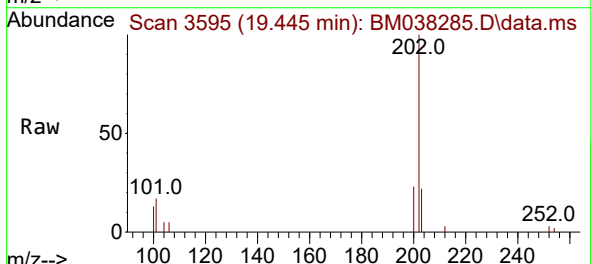


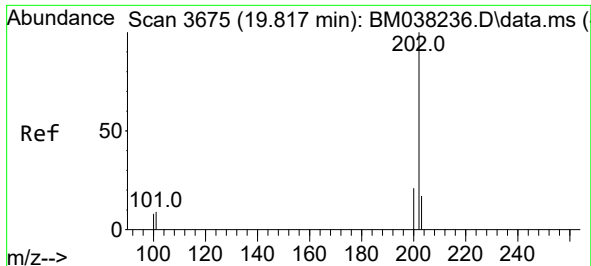
Tgt Ion:178 Resp: 1783  
Ion Ratio Lower Upper  
178 100  
179 24.5 13.0 19.4#  
176 25.9 16.2 24.4#



#19  
Fluoranthene  
Concen: 0.094 ng/ul  
RT: 19.445 min Scan# 3595  
Delta R.T. -0.005 min  
Lab File: BM038285.D  
Acq: 24 Dec 2022 23:55

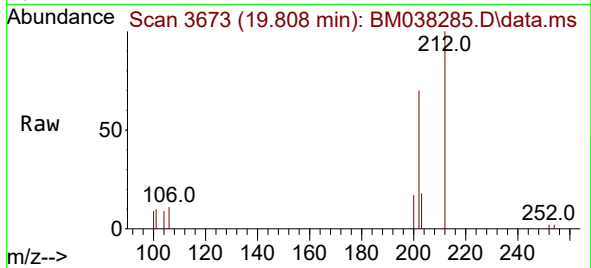
Tgt Ion:202 Resp: 4847  
Ion Ratio Lower Upper  
202 100  
101 17.3 7.5 11.3#  
100 13.0 5.6 8.4#



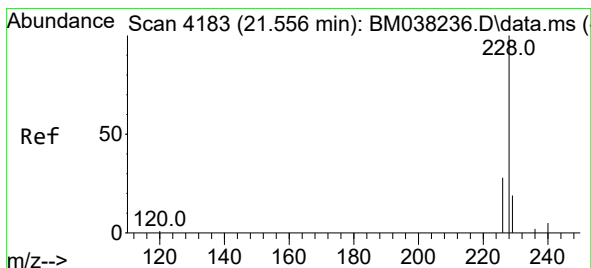
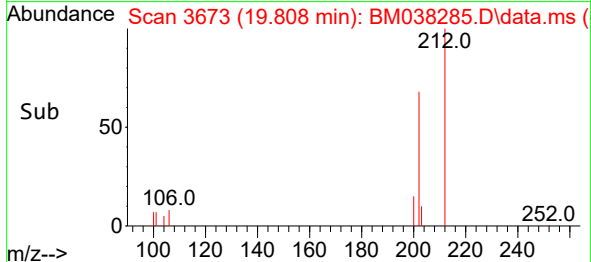
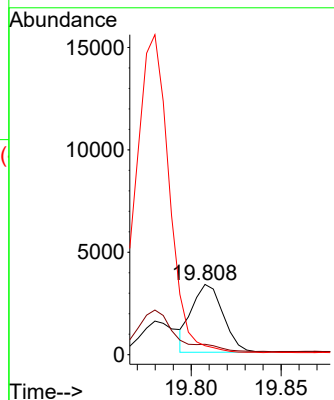


#20  
Pyrene  
Concen: 0.076 ng/ul  
RT: 19.808 min Scan# 30  
Delta R.T. -0.005 min  
Lab File: BM038285.D  
Acq: 24 Dec 2022 23:55

Instrument :  
BNA\_M  
ClientSampleId :

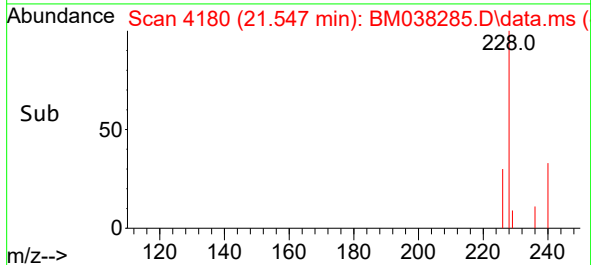
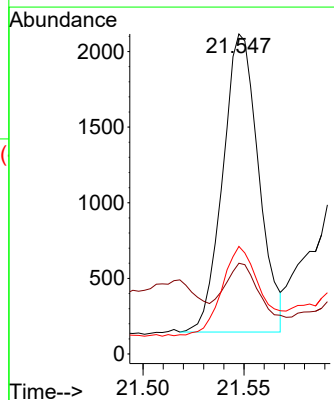
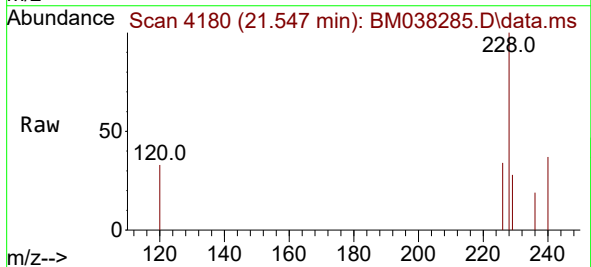


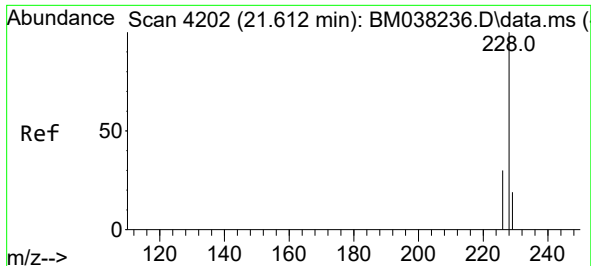
Tgt Ion:202 Resp: 3996  
Ion Ratio Lower Upper  
202 100  
101 14.8 8.9 13.3#  
100 12.7 7.4 11.0#



#21  
Benzo(a)anthracene  
Concen: 0.059 ng/ul  
RT: 21.547 min Scan# 4180  
Delta R.T. -0.003 min  
Lab File: BM038285.D  
Acq: 24 Dec 2022 23:55

Tgt Ion:228 Resp: 2437  
Ion Ratio Lower Upper  
228 100  
229 28.4 15.5 23.3#  
226 33.6 22.2 33.2#





#22

Chrysene

Concen: 0.075 ng/ul

RT: 21.603 min Scan# 41

Delta R.T. -0.003 min

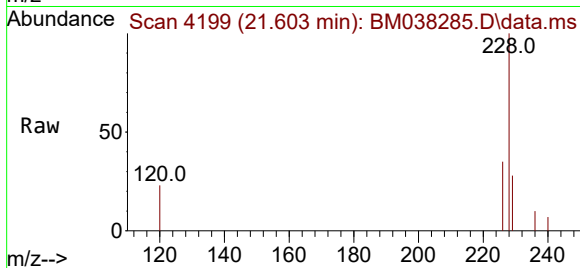
Lab File: BM038285.D

Acq: 24 Dec 2022 23:55

Instrument :

BNA\_M

ClientSampleId :



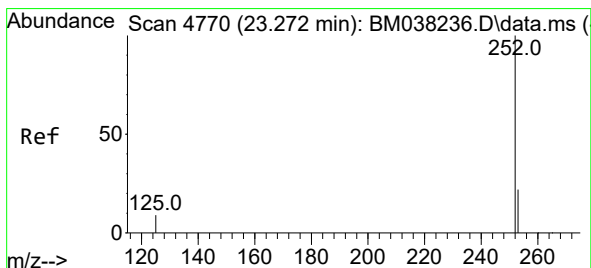
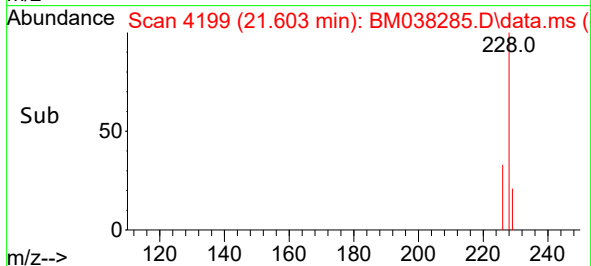
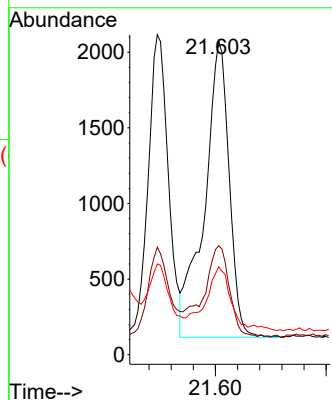
Tgt Ion:228 Resp: 3029

Ion Ratio Lower Upper

228 100

226 34.7 25.0 37.4

229 28.0 16.0 24.0#



#24

Benzo(b)fluoranthene

Concen: 0.125 ng/ul

RT: 23.263 min Scan# 4767

Delta R.T. -0.003 min

Lab File: BM038285.D

Acq: 24 Dec 2022 23:55

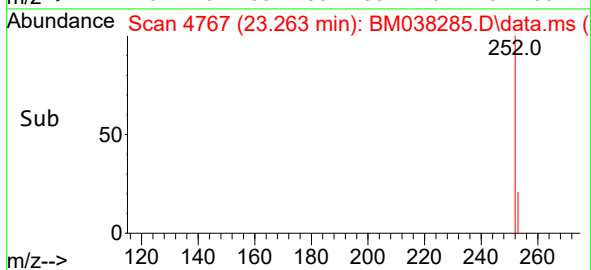
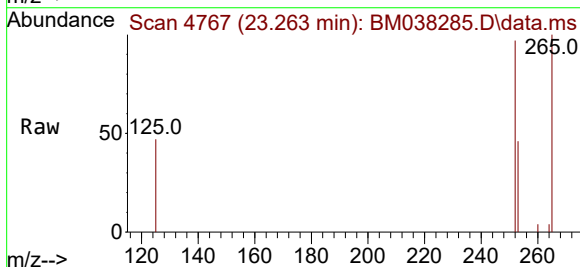
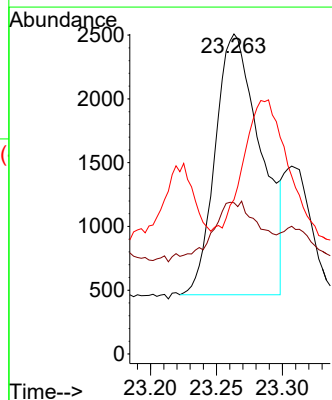
Tgt Ion:252 Resp: 4898

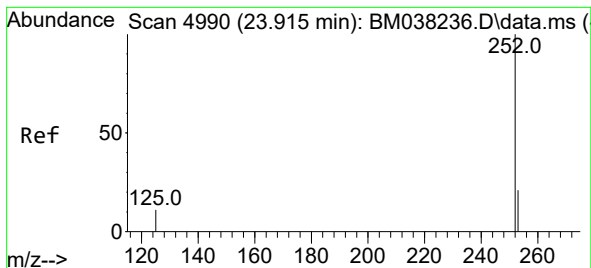
Ion Ratio Lower Upper

252 100

253 47.3 0.0 56.0

125 48.2 0.0 36.6#





#26

Benzo(a)pyrene

Concen: 0.090 ng/ul

RT: 23.901 min Scan# 4990

Delta R.T. -0.006 min

Lab File: BM038285.D

Acq: 24 Dec 2022 23:55

Instrument :

BNA\_M

ClientSampleId :

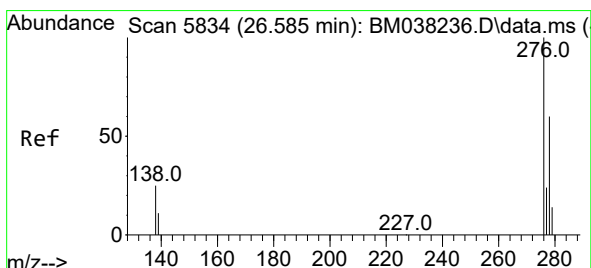
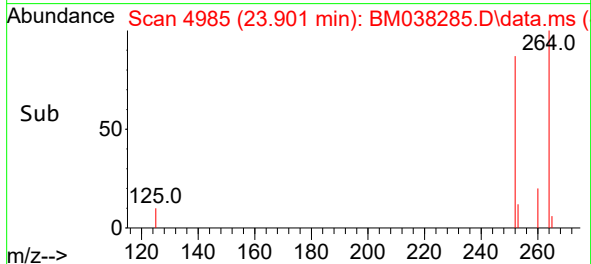
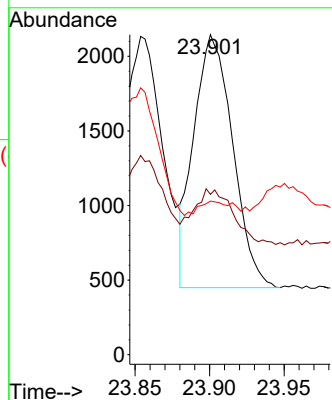
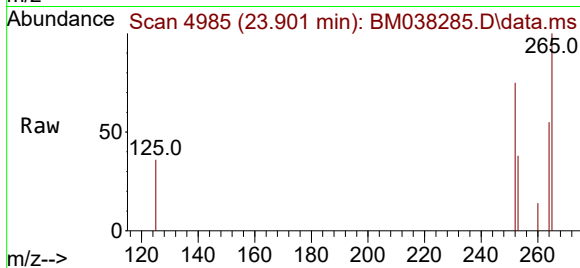
Tgt Ion:252 Resp: 3076

Ion Ratio Lower Upper

252 100

253 50.1 24.2 36.4#

125 48.0 17.3 25.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.057 ng/ul

RT: 26.569 min Scan# 5829

Delta R.T. 0.000 min

Lab File: BM038285.D

Acq: 24 Dec 2022 23:55

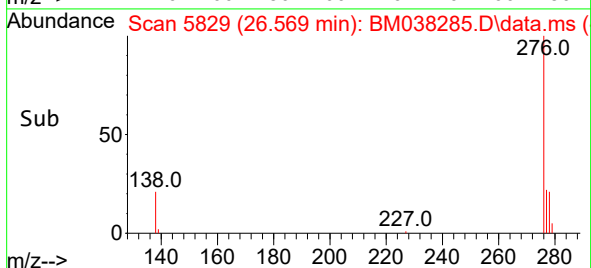
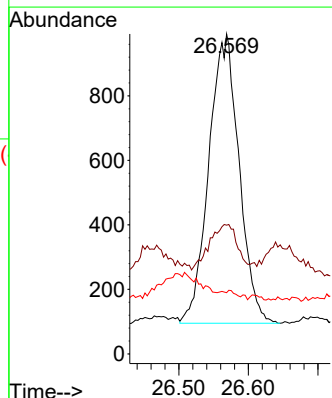
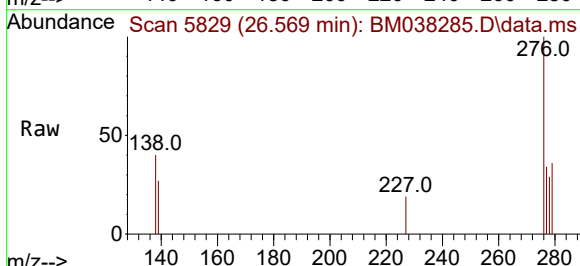
Tgt Ion:276 Resp: 2704

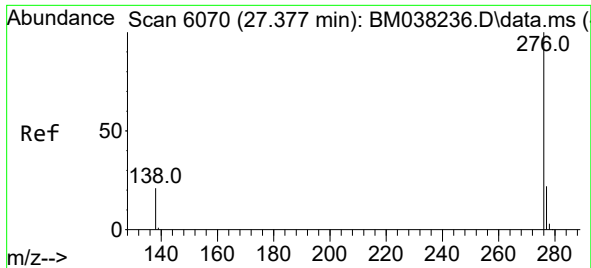
Ion Ratio Lower Upper

276 100

138 23.0 21.7 32.5

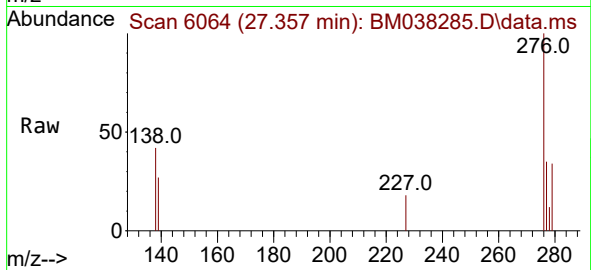
227 0.0 0.0 0.0





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.071 ng/ul  
 RT: 27.357 min Scan# 6070  
 Delta R.T. -0.003 min  
 Lab File: BM038285.D  
 Acq: 24 Dec 2022 23:55

Instrument :  
 BNA\_M  
 ClientSampleId :



Tgt Ion: 276 Resp: 2829

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 42.0  | 20.8  | 31.2# |
| 277 | 34.9  | 20.5  | 30.7# |

