

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042224\  
 Data File : BM045506.D  
 Acq On : 23 Apr 2024 10:11  
 Operator : MA/JU  
 Sample : P2104-04  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA6

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/25/2024  
 Supervised By :mohammad ahmed 04/26/2024

Quant Time: Apr 24 04:49:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 04:47:50 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.555  | 152  | 1250     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.314 | 136  | 3903     | 0.400 | ng/ul  | #-0.03   |
| 9) Acenaphthene-d10         | 14.200 | 164  | 2199     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.963 | 188  | 4480m    | 0.400 | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.199 | 240  | 2999     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.388 | 264  | 3129m    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.163  | 96   | 5659     | 3.378 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.942 | 152  | 1260     | 0.245 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.010 | 212  | 2546     | 0.270 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 15) Phenanthrene            | 17.005 | 178  | 815m     | 0.062 | ng/ul  |          |
| 19) Fluoranthene            | 19.038 | 202  | 1362     | 0.098 | ng/ul  | 95       |
| 20) Pyrene                  | 19.401 | 202  | 1526     | 0.107 | ng/ul# | 87       |
| 21) Benzo(a)anthracene      | 21.190 | 228  | 695      | 0.073 | ng/ul# | 75       |
| 22) Chrysene                | 21.237 | 228  | 624      | 0.042 | ng/ul# | 74       |
| 24) Benzo(b)fluoranthene    | 22.727 | 252  | 798m     | 0.076 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.608 | 276  | 409      | 0.026 | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 26.276 | 276  | 496      | 0.035 | ng/ul# | 11       |
| -----                       |        |      |          |       |        |          |

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

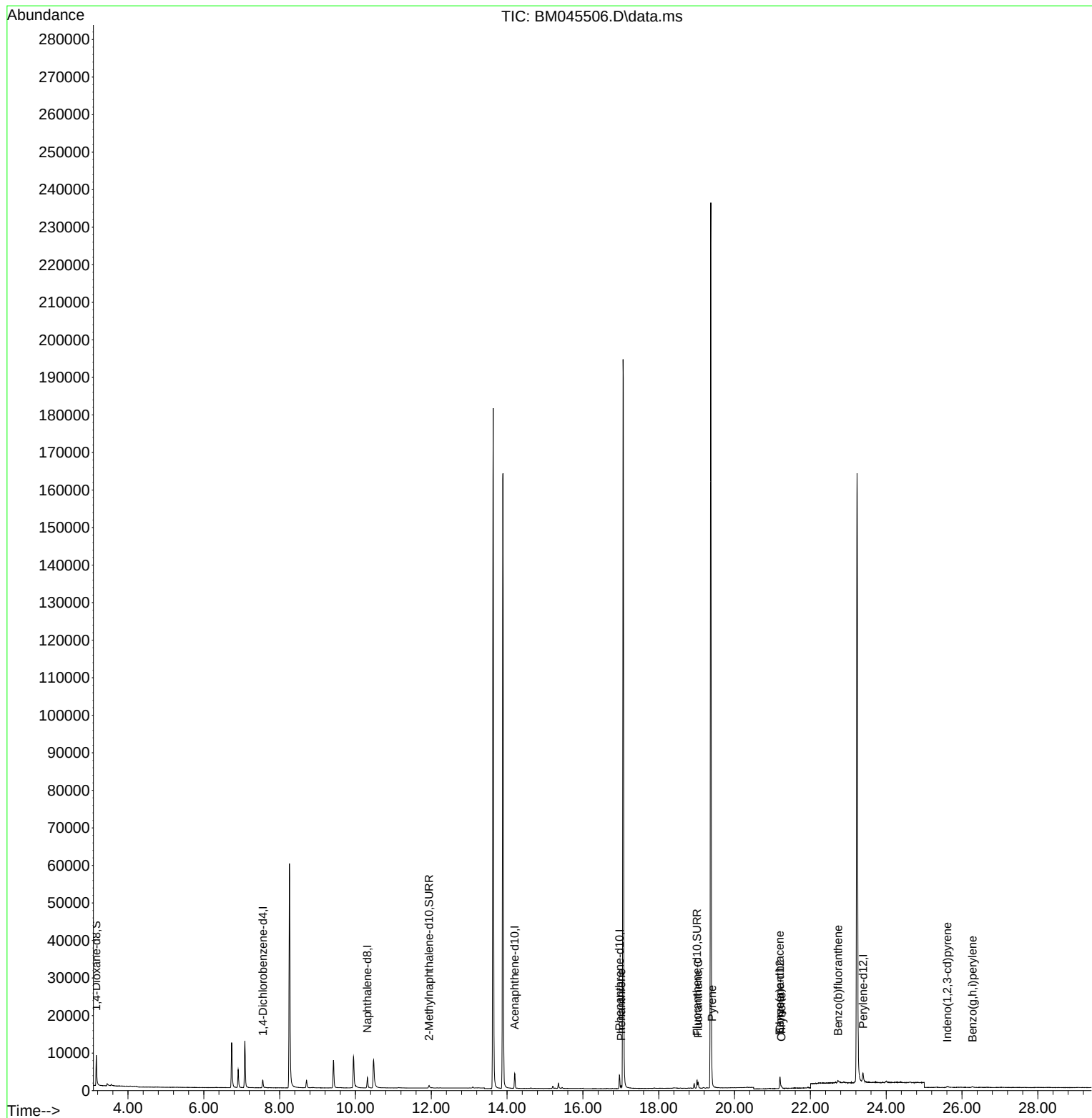
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042224\  
Data File : BM045506.D  
Acq On : 23 Apr 2024 10:11  
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ALS Vial : 37 Sample Multiplier: 1

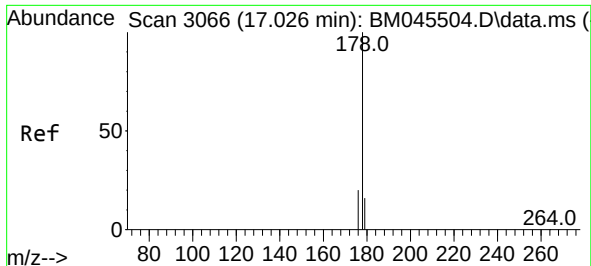
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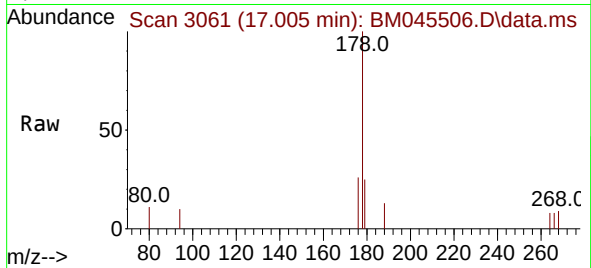
Quant Time: Apr 24 04:49:18 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 24 04:47:50 2024  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.062 ng/ul m  
RT: 17.005 min Scan# 3061  
Delta R.T. -0.021 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

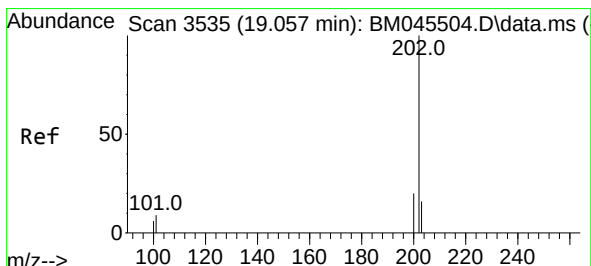
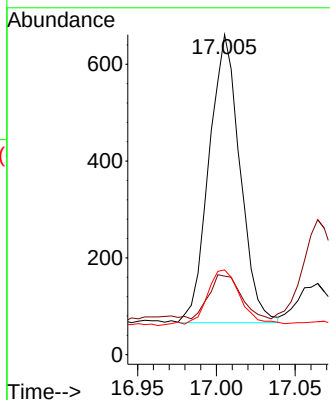
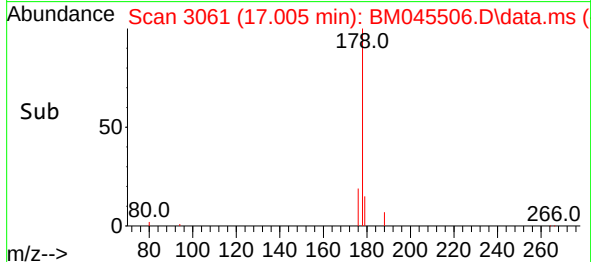
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6



Tgt Ion:178 Resp: 815  
Ion Ratio Lower Upper  
178 100  
179 24.5 15.4 23.2  
176 26.5 19.0 28.4

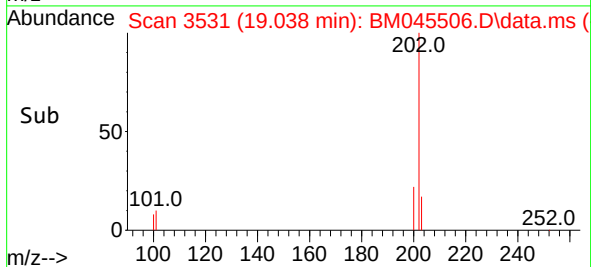
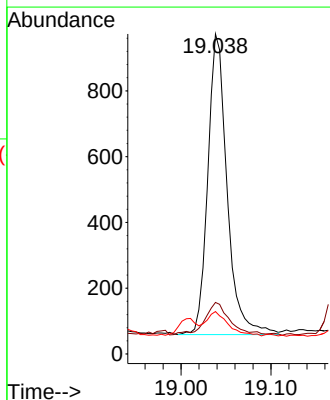
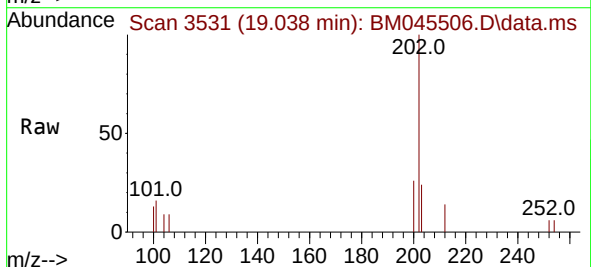
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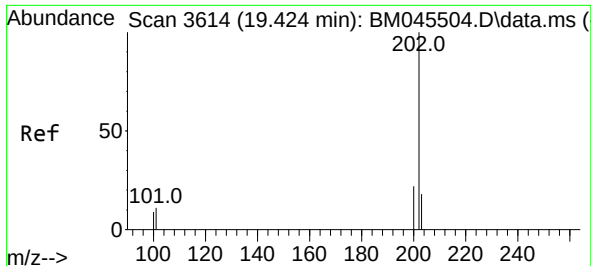
Reviewed By :Yogesh Patel 04/25/2024  
Supervised By :mohammad ahmed 04/26/2024



#19  
Fluoranthene  
Concen: 0.098 ng/ul  
RT: 19.038 min Scan# 3531  
Delta R.T. -0.018 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

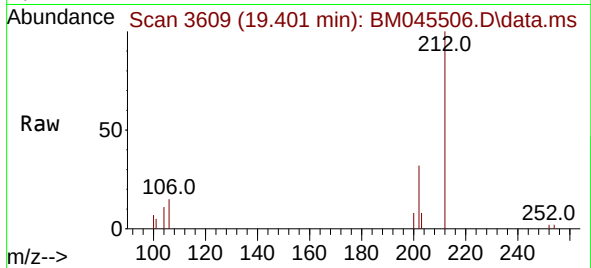
Tgt Ion:202 Resp: 1362  
Ion Ratio Lower Upper  
202 100  
101 16.1 11.2 16.8  
100 13.3 9.1 13.7





#20  
Pyrene  
Concen: 0.107 ng/ul  
RT: 19.401 min Scan# 3609  
Delta R.T. -0.023 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

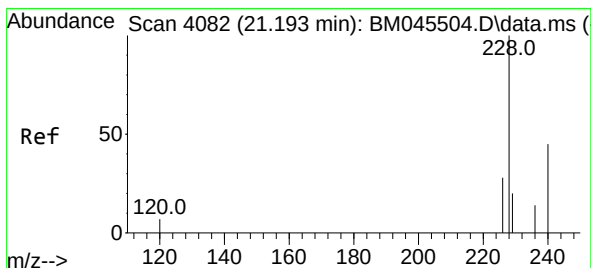
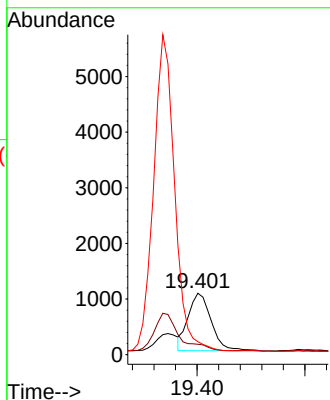
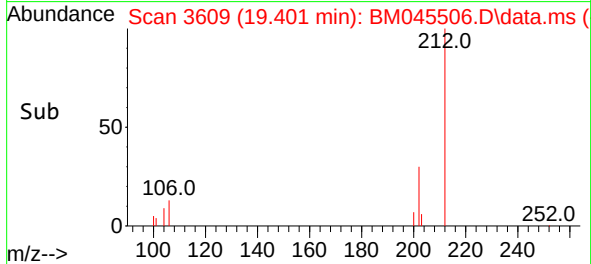
Instrument :  
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ClientSampleId :  
C0AA6



Tgt Ion:202 Resp: 1520  
Ion Ratio Lower Upper  
202 100  
101 17.0 11.5 17.3  
100 21.0 10.6 15.8

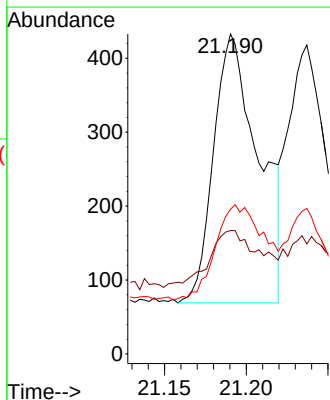
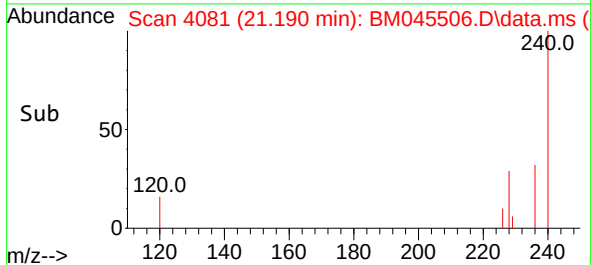
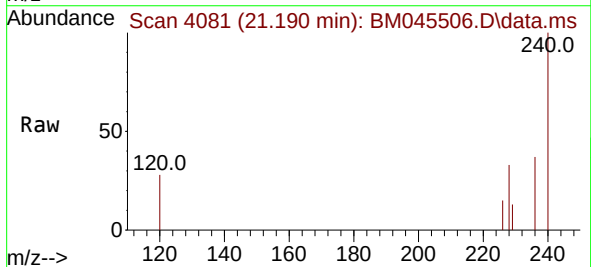
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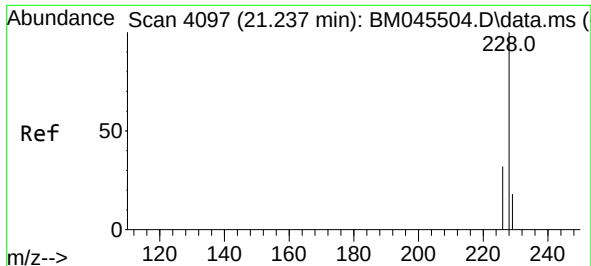
Reviewed By :Yogesh Patel 04/25/2024  
Supervised By :mohammad ahmed 04/26/2024



#21  
Benzo(a)anthracene  
Concen: 0.073 ng/ul  
RT: 21.190 min Scan# 4081  
Delta R.T. -0.003 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

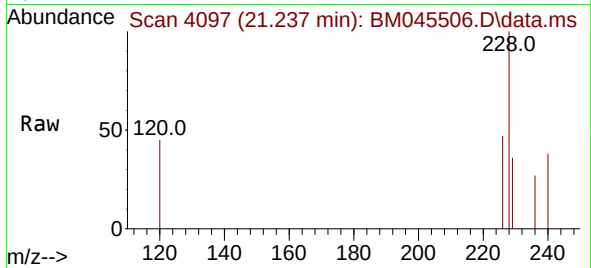
Tgt Ion:228 Resp: 695  
Ion Ratio Lower Upper  
228 100  
229 38.6 19.4 29.2#  
226 45.3 26.3 39.5#





#22  
Chrysene  
Concen: 0.042 ng/ul  
RT: 21.237 min Scan# 4097  
Delta R.T. 0.000 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

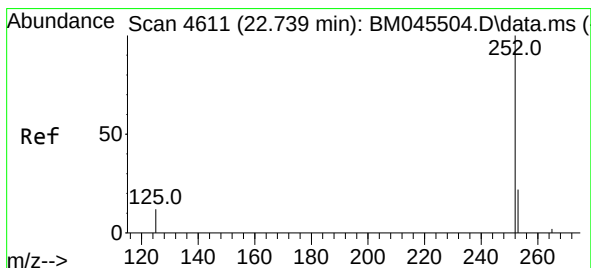
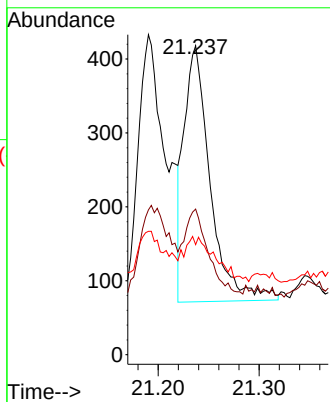
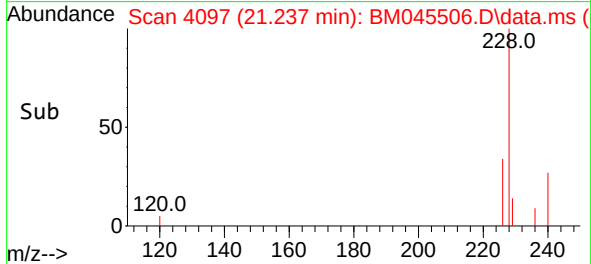
Instrument :  
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ClientSampleId :  
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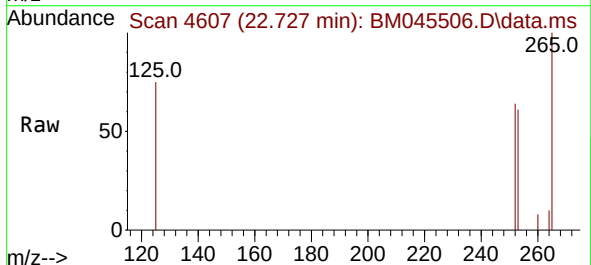
Tgt Ion:228 Resp: 624  
Ion Ratio Lower Upper  
228 100  
226 47.1 26.3 39.5#  
229 35.6 17.8 26.8#

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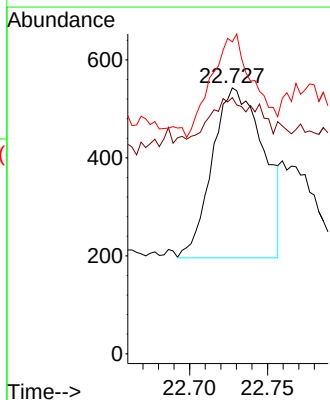
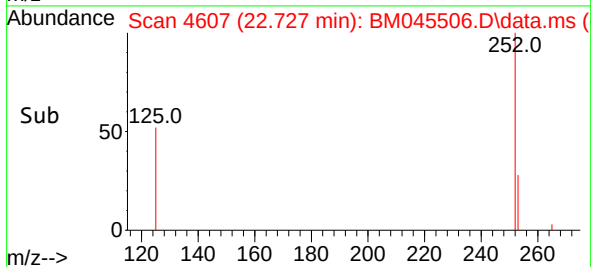
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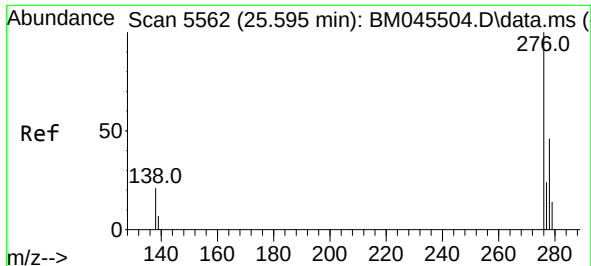


#24  
Benzo(b)fluoranthene  
Concen: 0.076 ng/ul m  
RT: 22.727 min Scan# 4607  
Delta R.T. -0.011 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11



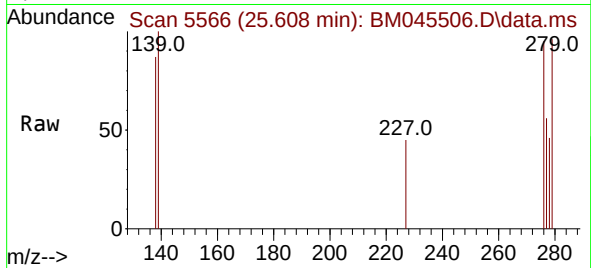
Tgt Ion:252 Resp: 798  
Ion Ratio Lower Upper  
252 100  
253 96.3 0.0 63.4#  
125 117.3 0.0 36.8#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.026 ng/ul  
RT: 25.608 min Scan# 51  
Delta R.T. 0.014 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

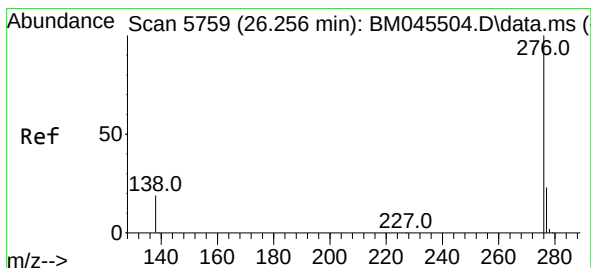
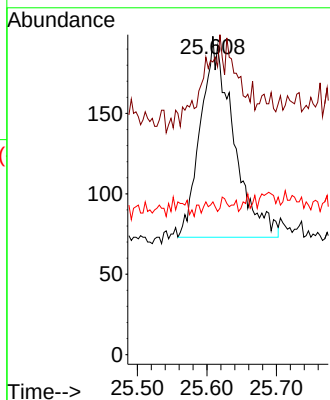
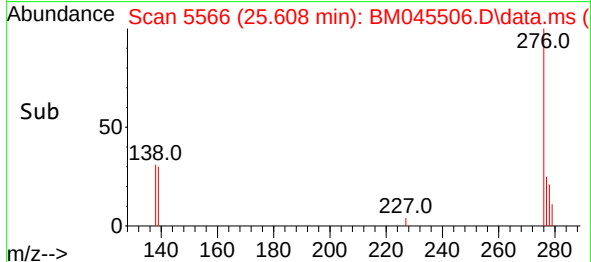
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6



Tgt Ion:276 Resp: 409  
Ion Ratio Lower Upper  
276 100  
138 18.3 19.8 29.6  
227 2.0 0.2 0.2

Manual Integrations  
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Supervised By :mohammad ahmed 04/26/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.035 ng/ul  
RT: 26.276 min Scan# 5765  
Delta R.T. 0.020 min  
Lab File: BM045506.D  
Acq: 23 Apr 2024 10:11

Tgt Ion:276 Resp: 496  
Ion Ratio Lower Upper  
276 100  
138 86.5 20.8 31.2#  
277 59.1 21.8 32.8#

