

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080521\  
 Data File : BM031587.D  
 Acq On : 08 Aug 2021 14:10  
 Operator : CG/JU  
 Sample : M3163-10  
 Misc :  
 ALS Vial : 113 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGEY8

Manual Integrations  
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Quant Time: Aug 09 04:14:45 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 06 18:39:21 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.580  | 152  | 1274     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.338 | 136  | 4645     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.212 | 164  | 2609     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.961 | 188  | 4881     | 0.400 | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.159 | 240  | 3958     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.311 | 264  | 4072     | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.185  | 96   | 3521     | 2.488 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.935 | 152  | 1474     | 0.188 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.993 | 212  | 2875     | 0.218 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.002 | 178  | 5158     | 0.333 | ng/ul  | 99       |
| 16) Anthracene              | 17.093 | 178  | 919      | 0.063 | ng/ul# | 84       |
| 19) Fluoranthene            | 19.024 | 202  | 10592    | 0.627 | ng/ul# | 95       |
| 20) Pyrene                  | 19.386 | 202  | 8505     | 0.496 | ng/ul# | 95       |
| 21) Benzo(a)anthracene      | 21.142 | 228  | 3402     | 0.213 | ng/ul  | 95       |
| 22) Chrysene                | 21.192 | 228  | 4661     | 0.282 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.674 | 252  | 5954m    | 0.325 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.713 | 252  | 2163m    | 0.114 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.217 | 252  | 2767     | 0.172 | ng/ul# | 72       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.448 | 276  | 2280     | 0.110 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.451 | 278  | 605      | 0.036 | ng/ul# | 13       |
| -----                       |        |      |          |       |        |          |

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

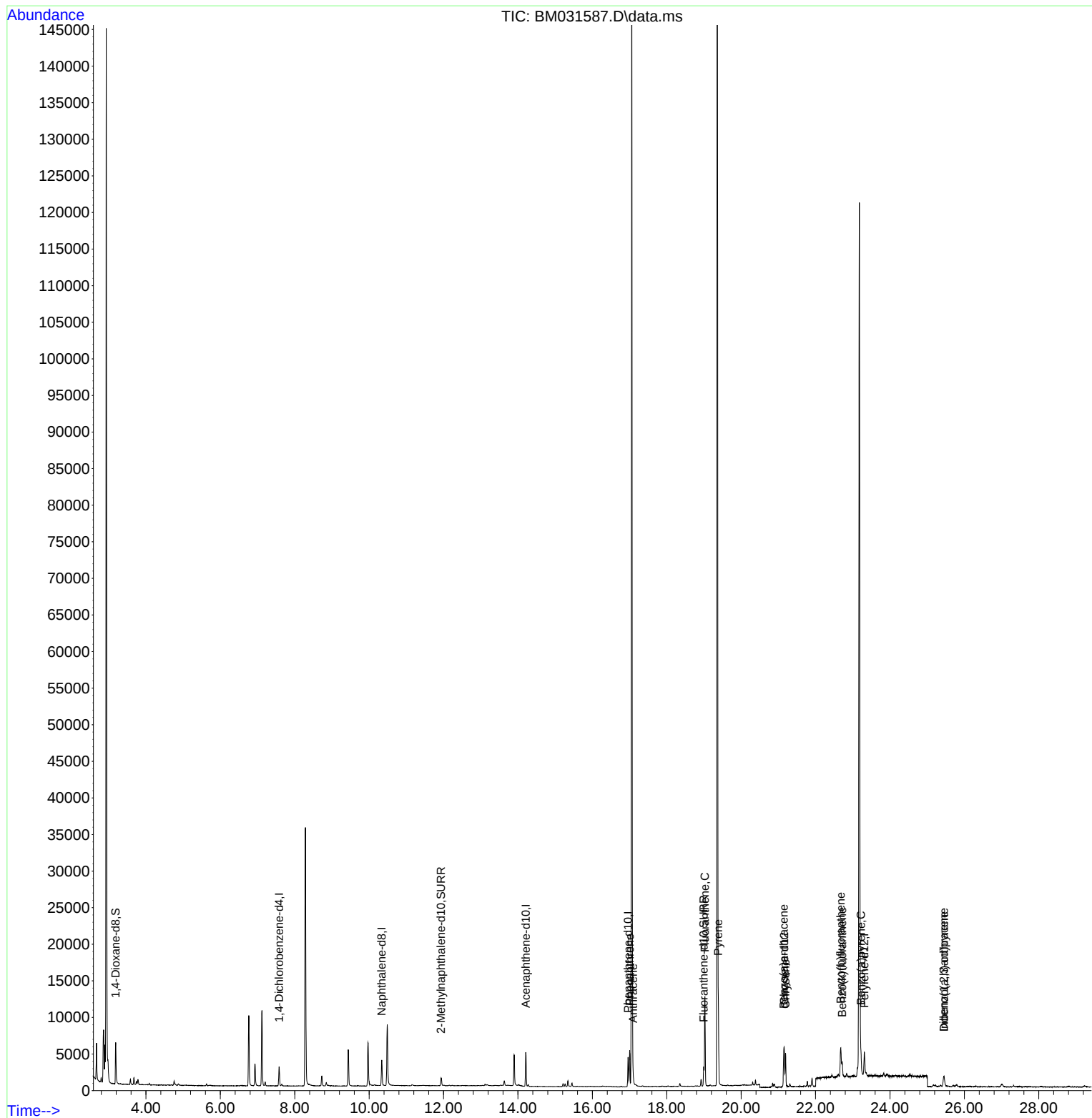
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080521\  
Data File : BM031587.D  
Acq On : 08 Aug 2021 14:10  
Operator : CG/JU  
Sample : M3163-10  
Misc :  
ALS Vial : 113 Sample Multiplier: 1

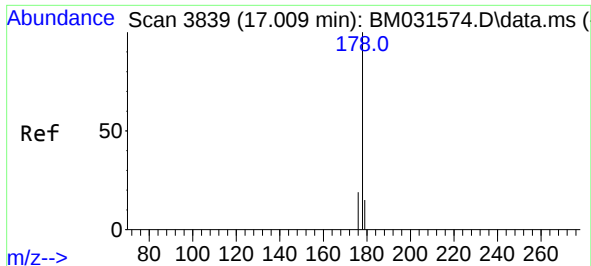
Instrument :  
BNA\_M  
ClientSampleId :  
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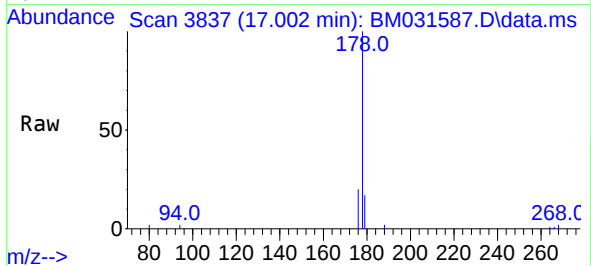
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Quant Time: Aug 09 04:14:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 06 18:39:21 2021  
Response via : Initial Calibration

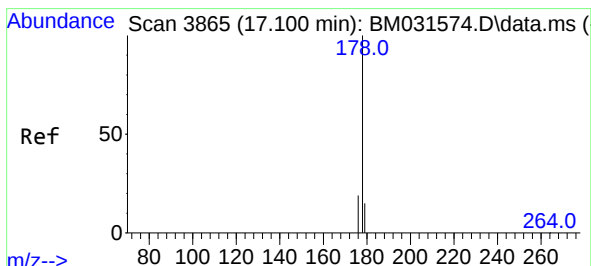
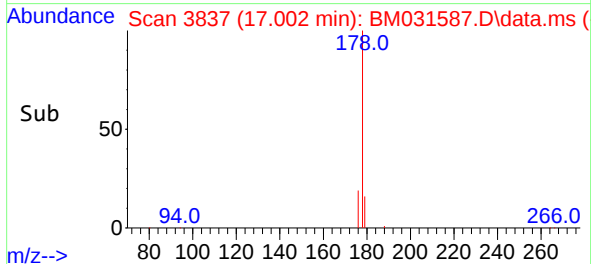
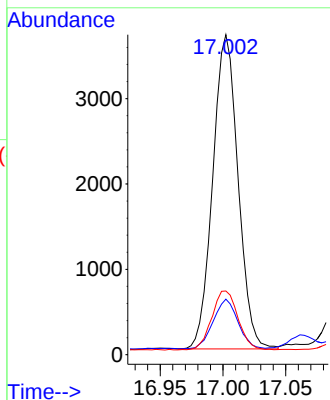




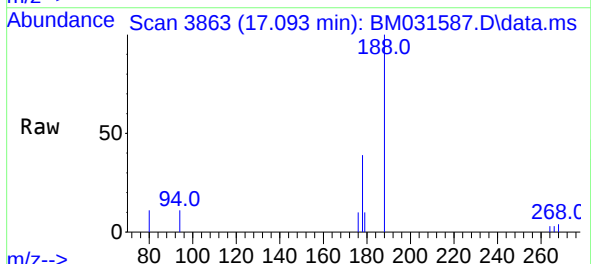
#15  
Phenanthrene  
Concen: 0.333 ng/u1  
RT: 17.002 min Scan# 3837  
Delta R.T. -0.010 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10



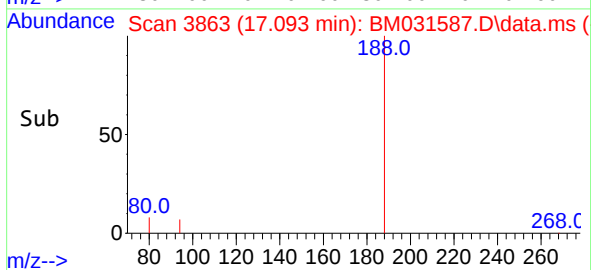
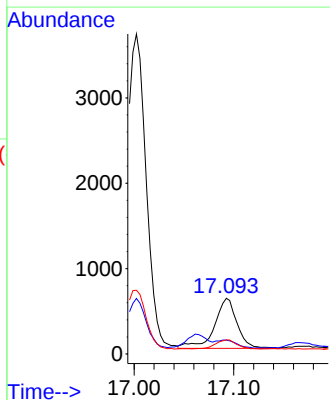
Tgt Ion:178 Resp: 5158  
Ion Ratio Lower Upper  
178 100  
179 17.4 13.3 19.9  
176 19.9 16.2 24.4



#16  
Anthracene  
Concen: 0.063 ng/u1  
RT: 17.093 min Scan# 3863  
Delta R.T. -0.010 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10



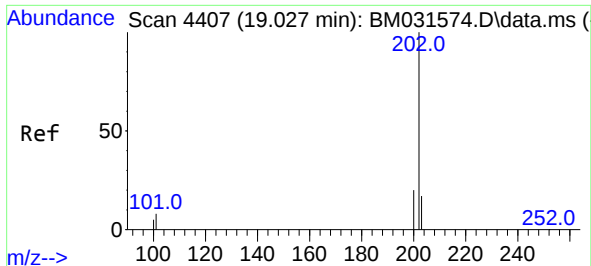
Tgt Ion:178 Resp: 919  
Ion Ratio Lower Upper  
178 100  
179 24.8 13.0 19.6#  
176 25.3 15.6 23.4#



Instrument :  
BNA\_M  
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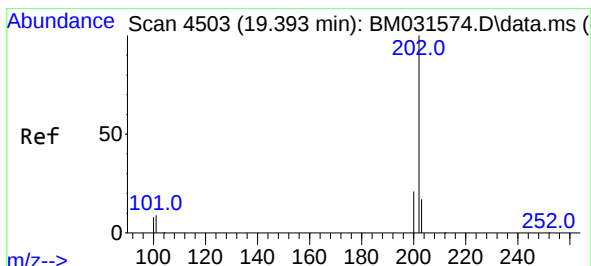
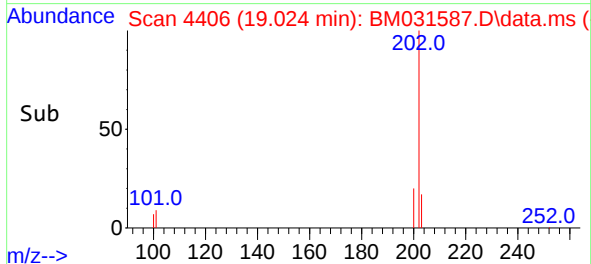
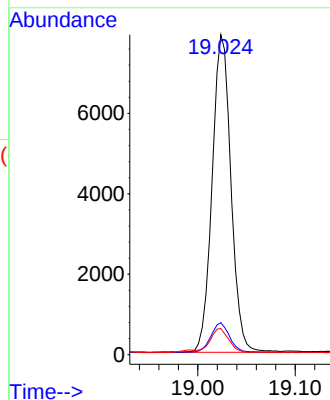
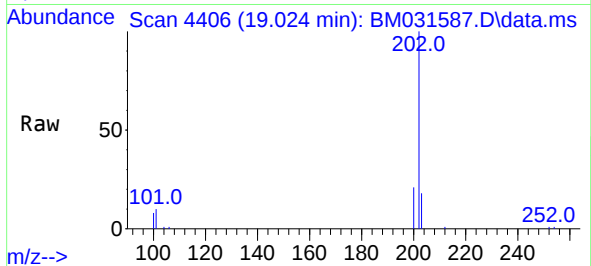
#19  
Fluoranthene  
Concen: 0.627 ng/ul  
RT: 19.024 min Scan# 4406  
Delta R.T. -0.008 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.0  | 6.6   | 10.0# |
| 100     | 8.2   | 5.4   | 8.0#  |

Instrument :  
BNA\_M  
ClientSampled :  
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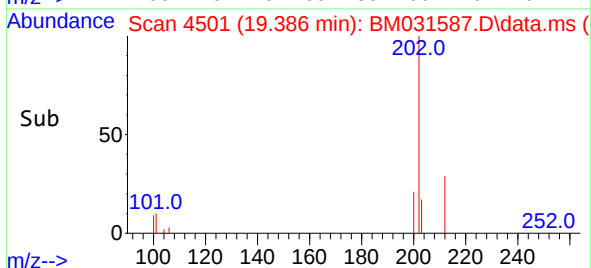
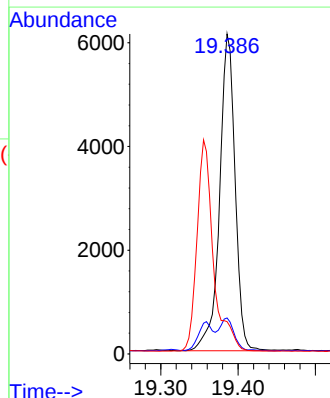
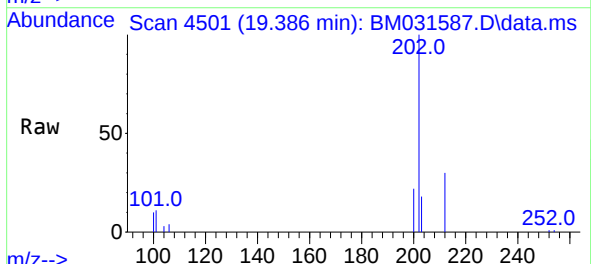
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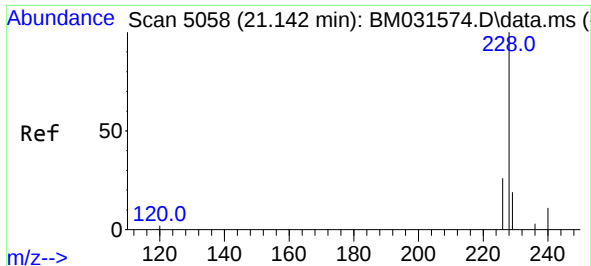
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#20  
Pyrene  
Concen: 0.496 ng/ul  
RT: 19.386 min Scan# 4501  
Delta R.T. -0.011 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.2  | 7.8   | 11.6  |
| 100     | 10.1  | 6.6   | 10.0# |





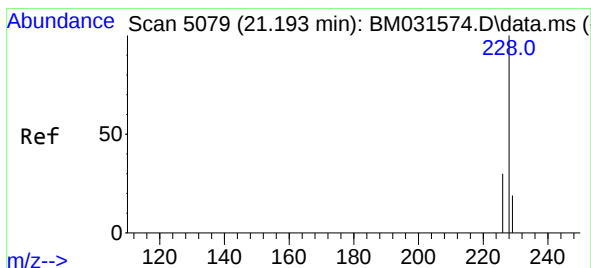
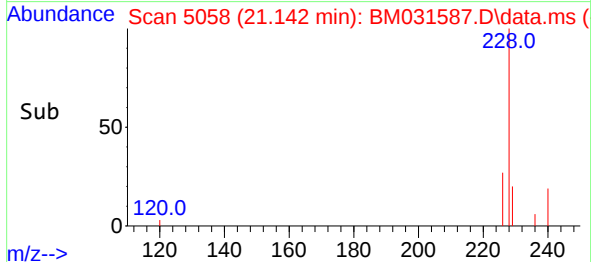
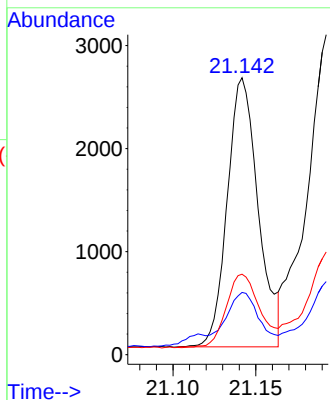
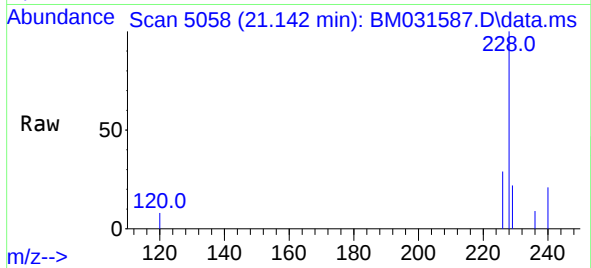
#21  
Benzo(a)anthracene  
Concen: 0.213 ng/u1  
RT: 21.142 min Scan# 5058  
Delta R.T. -0.010 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 3402 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 22.5  | 15.6  | 23.4 |
| 226       | 29.1  | 21.7  | 32.5 |

Instrument :  
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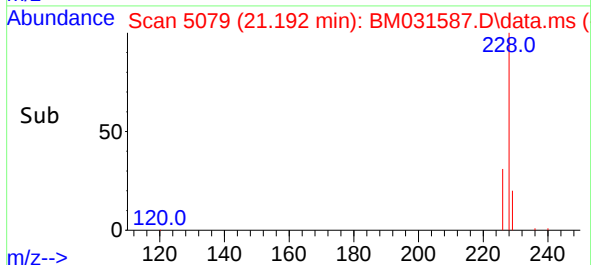
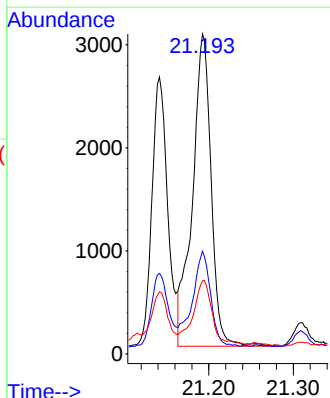
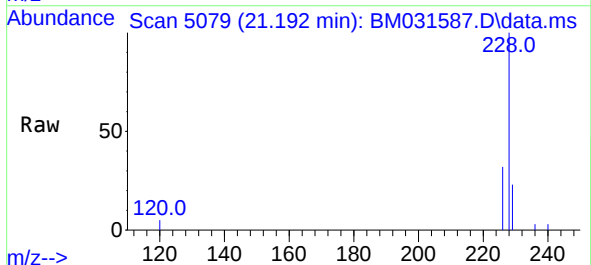
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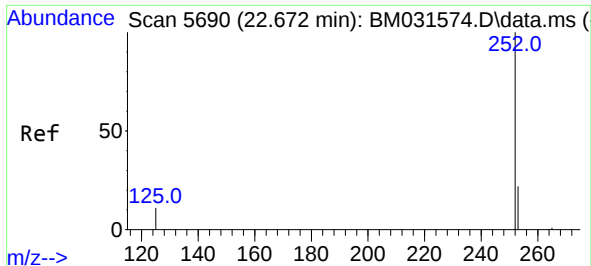
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#22  
Chrysene  
Concen: 0.282 ng/u1  
RT: 21.192 min Scan# 5079  
Delta R.T. -0.007 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 4661 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.1  | 24.7  | 37.1 |
| 229       | 22.9  | 16.2  | 24.2 |





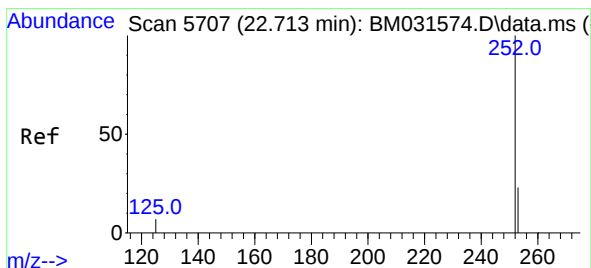
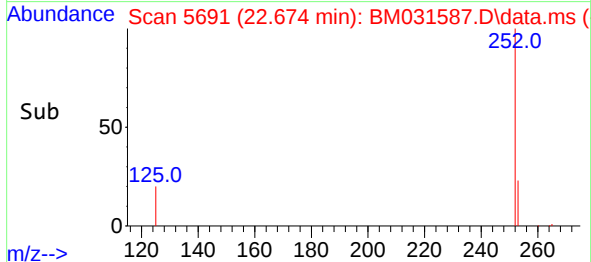
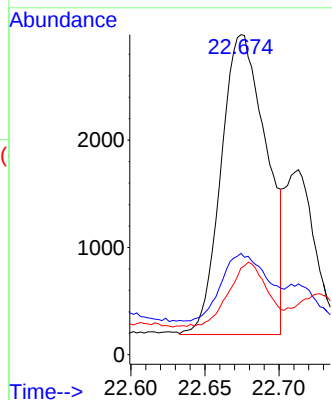
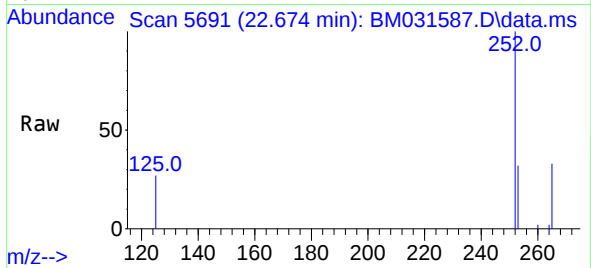
#24  
Benzo(b)fluoranthene  
Concen: 0.325 ng/ul m  
RT: 22.674 min Scan# 5691  
Delta R.T. -0.007 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

Tgt Ion:252 Resp: 5954  
Ion Ratio Lower Upper  
252 100  
253 31.6 0.0 53.0  
125 27.1 0.0 22.8#

Instrument :  
BNA\_M  
ClientSampled :  
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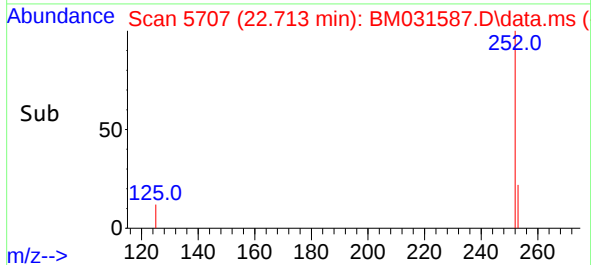
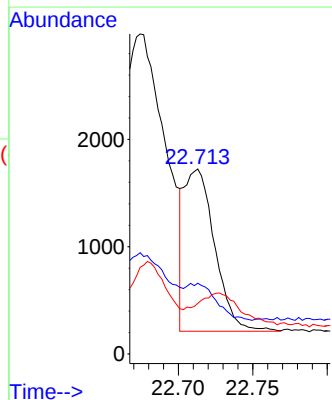
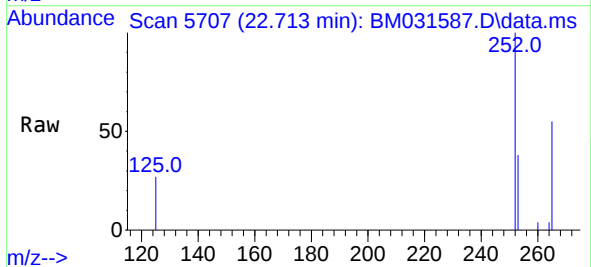
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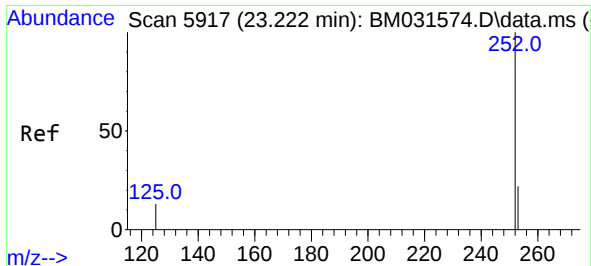
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#25  
Benzo(k)fluoranthene  
Concen: 0.114 ng/ul m  
RT: 22.713 min Scan# 5707  
Delta R.T. -0.010 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

Tgt Ion:252 Resp: 2163  
Ion Ratio Lower Upper  
252 100  
253 38.3 21.3 31.9#  
125 27.4 8.8 13.2#





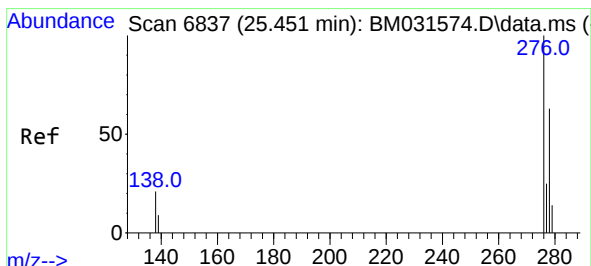
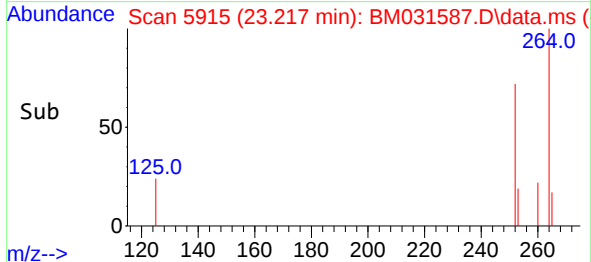
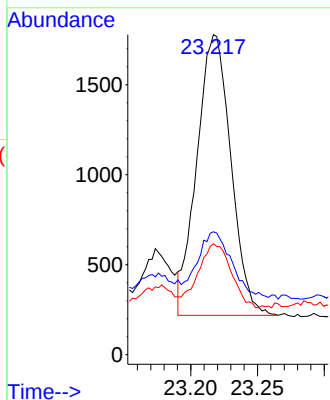
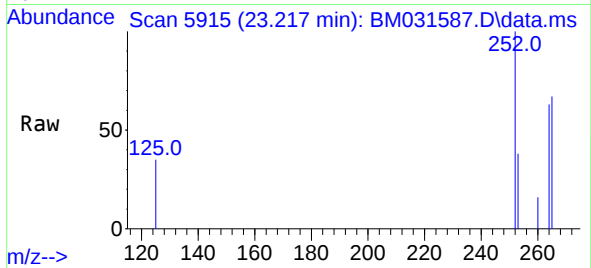
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Benzo(a)pyrene  
Concen: 0.172 ng/ul  
RT: 23.217 min Scan# 5915  
Delta R.T. -0.015 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 2767  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 38.4  | 22.4  | 33.6# |
| 125       | 34.6  | 13.0  | 19.4# |

Instrument :  
BNA\_M  
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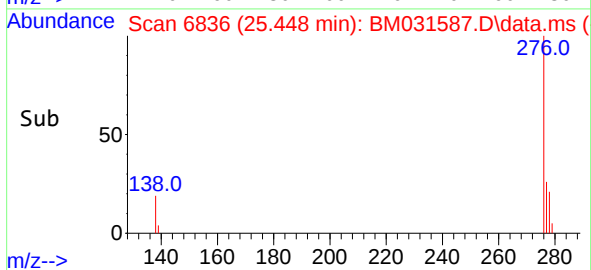
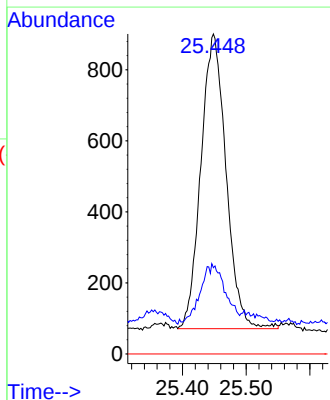
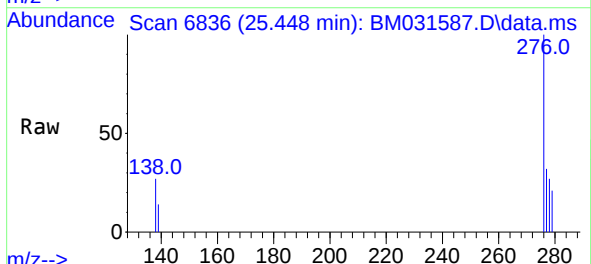
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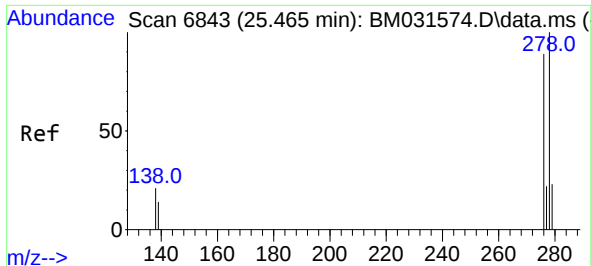
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#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.110 ng/ul  
RT: 25.448 min Scan# 6836  
Delta R.T. -0.015 min  
Lab File: BM031587.D  
Acq: 08 Aug 2021 14:10

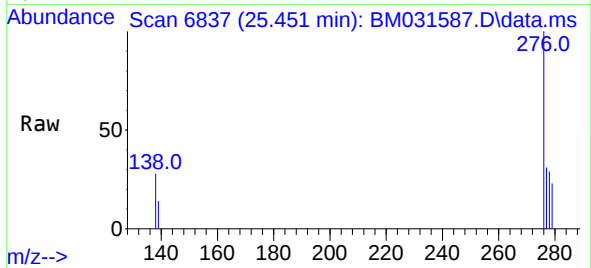
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|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 2280 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 19.5  | 15.8  | 23.8 |
| 227       | 0.0   | 0.0   | 0.0  |





#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.036 ng/ul  
 RT: 25.451 min Scan# 6837  
 Delta R.T. -0.024 min  
 Lab File: BM031587.D  
 Acq: 08 Aug 2021 14:10

Instrument :  
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 ClientSampleId :  
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Tgt Ion:278 Resp: 605  
 Ion Ratio Lower Upper  
 278 100  
 139 46.7 13.3 19.9#  
 279 80.2 22.8 34.2#

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