

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072921\  
 Data File : BM031255.D  
 Acq On : 29 Jul 2021 19:08  
 Operator : CG/JU  
 Sample : M3082-19DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0017DL

Manual Integrations  
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Quant Time: Jul 30 03:41:43 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 : Wed Jul 28 15:20:04 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.614  | 152  | 1707     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.374 | 136  | 6357     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.243 | 164  | 3693     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.992 | 188  | 7117     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.181 | 240  | 5715     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.346 | 264  | 5687     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.203  | 96   | 1112     | 0.587 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.971 | 152  | 423      | 0.039 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.020 | 212  | 758      | 0.040 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.424 | 128  | 1393     | 0.074 | ng/ul# | 91       |
| 7) 2-Methylnaphthalene      | 12.043 | 142  | 1187     | 0.092 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.268 | 142  | 796      | 0.062 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.963 | 152  | 2164     | 0.138 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.307 | 153  | 441      | 0.033 | ng/ul# | 94       |
| 12) Fluorene                | 15.297 | 166  | 947      | 0.062 | ng/ul# | 91       |
| 15) Phenanthrene            | 17.034 | 178  | 22006    | 0.974 | ng/ul  | 98       |
| 16) Anthracene              | 17.120 | 178  | 4561     | 0.216 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.050 | 202  | 66468    | 2.724 | ng/ul  | 98       |
| 20) Pyrene                  | 19.413 | 202  | 41231    | 1.666 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.164 | 228  | 27328    | 1.184 | ng/ul  | 98       |
| 22) Chrysene                | 21.214 | 228  | 29180    | 1.222 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.704 | 252  | 41922m   | 1.636 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.742 | 252  | 14199m   | 0.536 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.251 | 252  | 13325    | 0.594 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.490 | 276  | 13270    | 0.457 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.497 | 278  | 4788     | 0.205 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 26.142 | 276  | 865      | 0.035 | ng/ul# | 40       |
| -----                       |        |      |          |       |        |          |

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

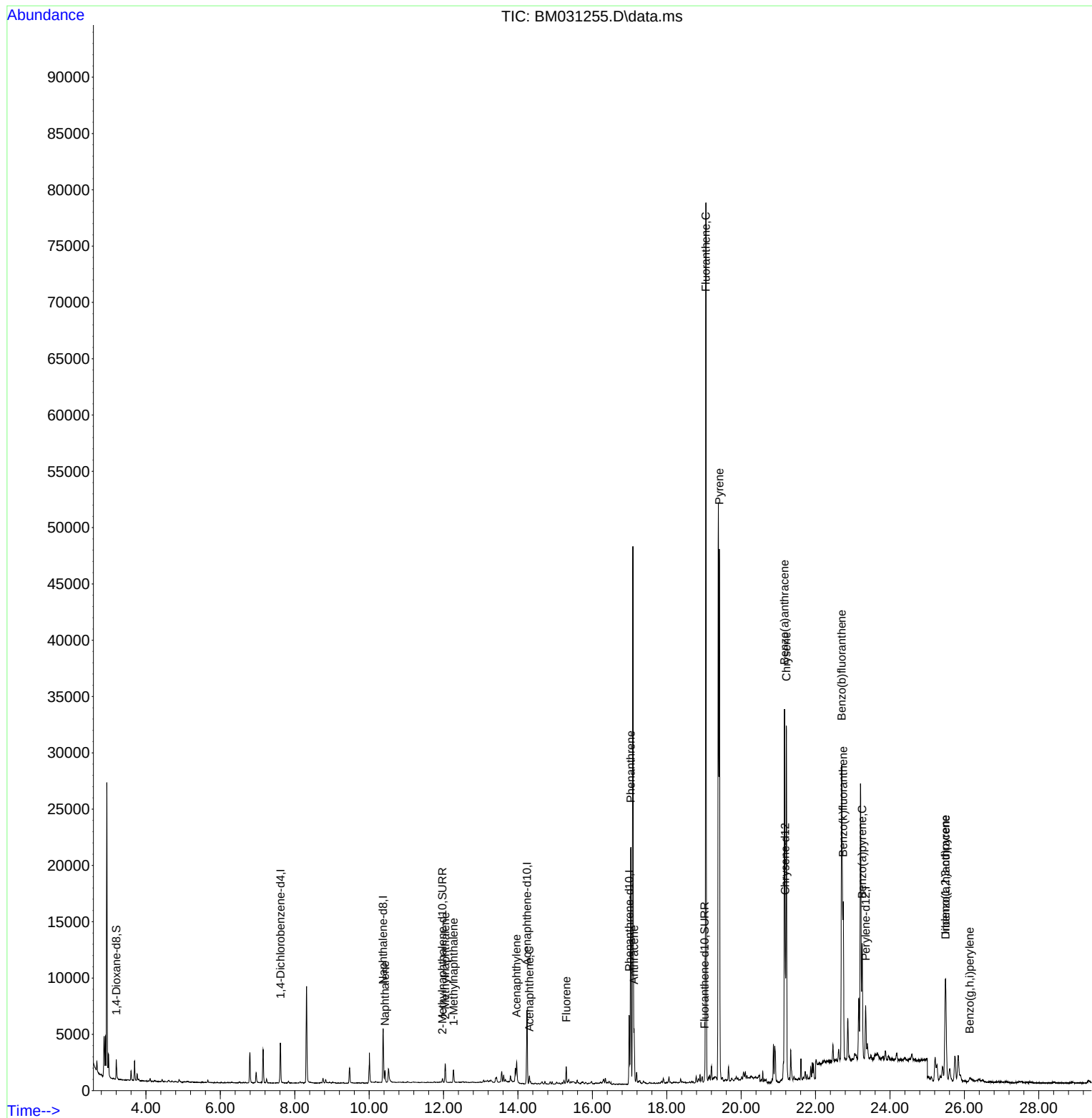
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Data File : BM031255.D  
Acq On : 29 Jul 2021 19:08  
Operator : CG/JU  
Sample : M3082-19DL 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

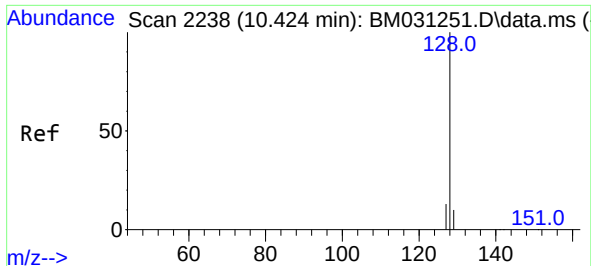
Instrument :  
BNA\_M  
ClientSampleId :  
C0017DL

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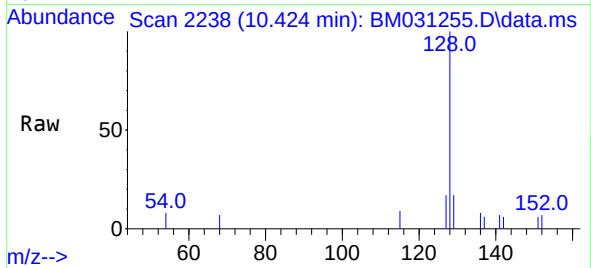
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Quant Time: Jul 30 03:41:43 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 28 15:20:04 2021  
Response via : Initial Calibration

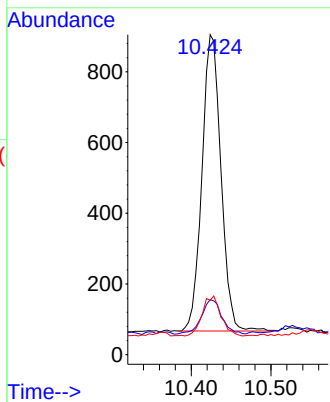
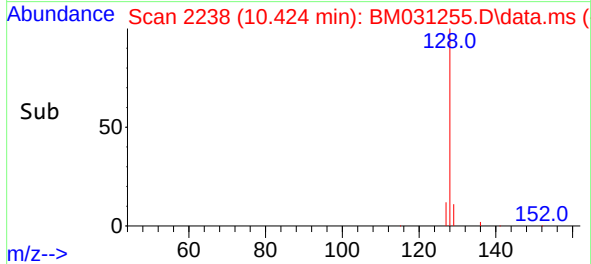




#5  
Naphthalene  
Concen: 0.074 ng/ul  
RT: 10.424 min Scan# 2238  
Delta R.T. -0.005 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



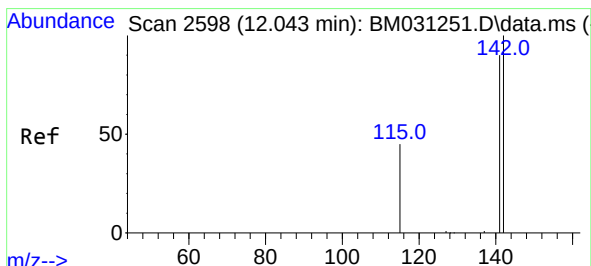
Tgt Ion:128 Resp: 1393  
Ion Ratio Lower Upper  
128 100  
129 17.2 10.0 15.0#  
127 17.0 11.6 17.4



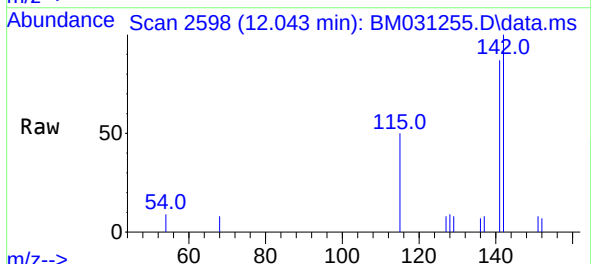
Instrument :  
BNA\_M  
ClientSampled :  
C0017DL

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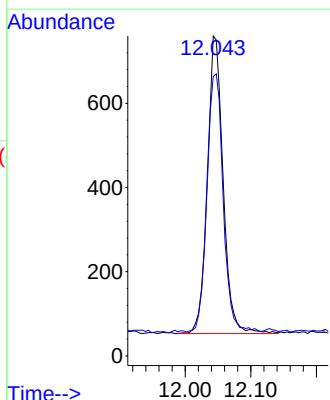
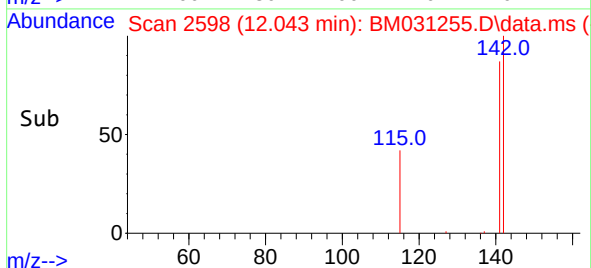
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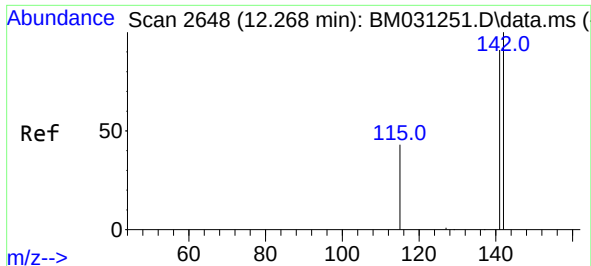


#7  
2-Methylnaphthalene  
Concen: 0.092 ng/ul  
RT: 12.043 min Scan# 2598  
Delta R.T. -0.005 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



Tgt Ion:142 Resp: 1187  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.4 107.0





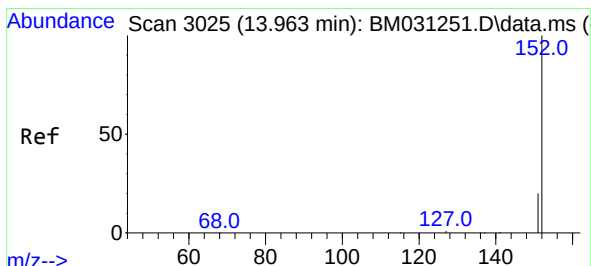
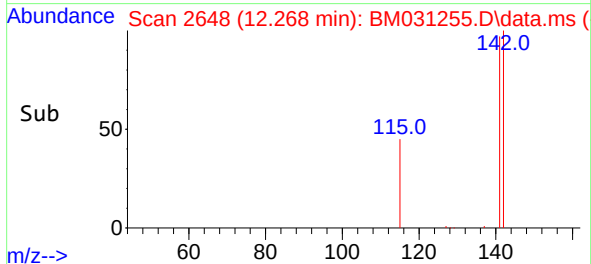
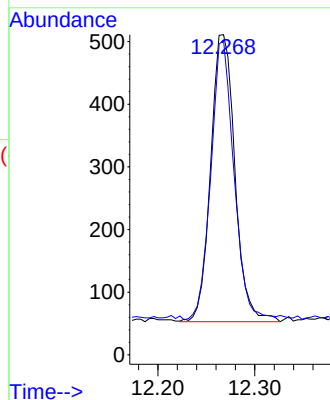
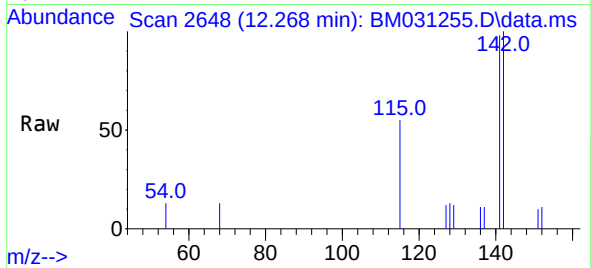
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1-Methylnaphthalene  
Concen: 0.062 ng/ul  
RT: 12.268 min Scan# 2648  
Delta R.T. -0.000 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

Tgt Ion:142 Resp: 796  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.1 111.1

Instrument :  
BNA\_M  
ClientSampled :  
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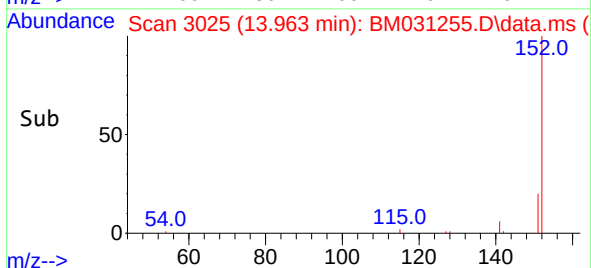
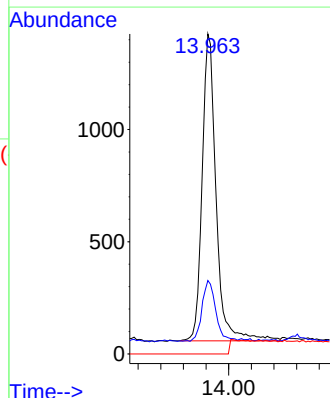
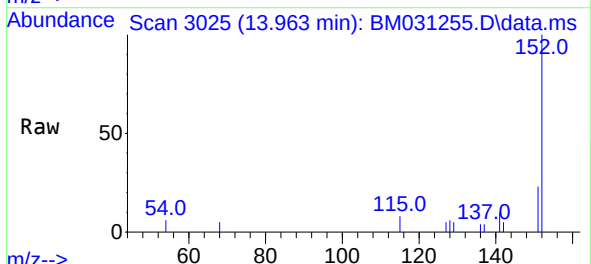
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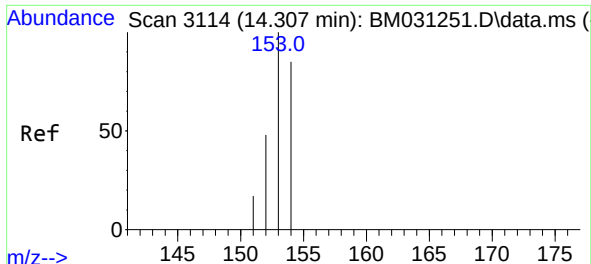
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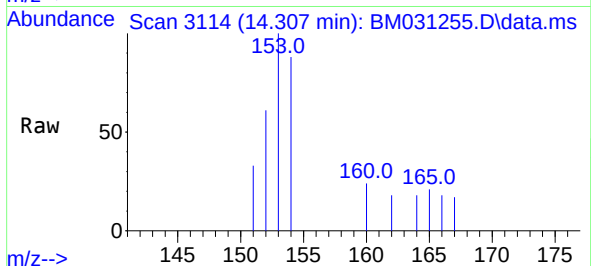
#10  
Acenaphthylene  
Concen: 0.138 ng/ul  
RT: 13.963 min Scan# 3025  
Delta R.T. -0.005 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

Tgt Ion:152 Resp: 2164  
Ion Ratio Lower Upper  
152 100  
151 22.9 16.9 25.3  
153 0.0 0.0 0.0

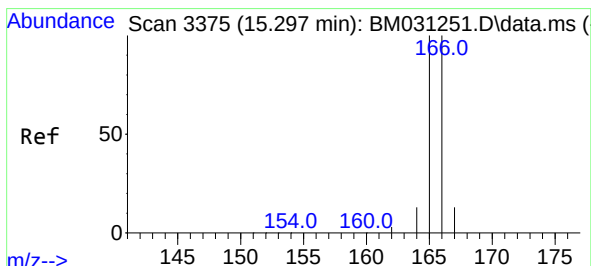
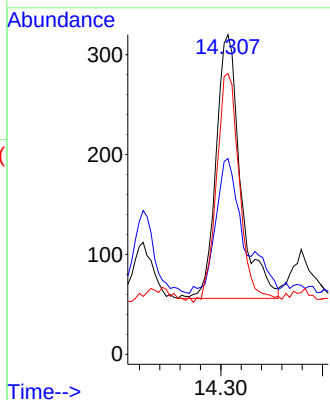
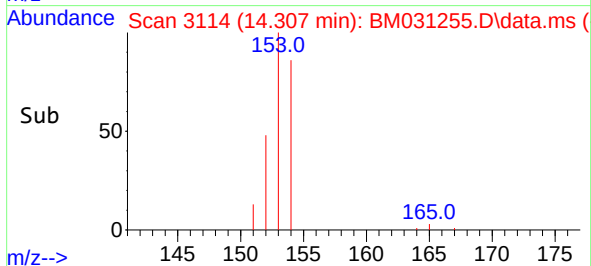




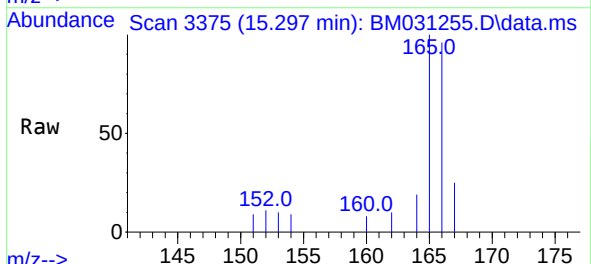
#11  
Acenaphthene  
Concen: 0.033 ng/uI  
RT: 14.307 min Scan# 3114  
Delta R.T. -0.000 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



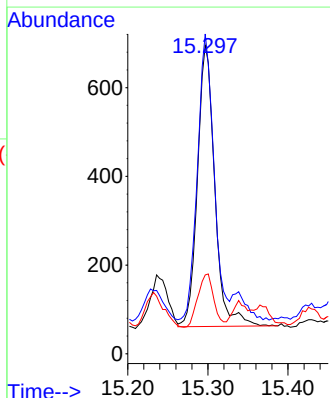
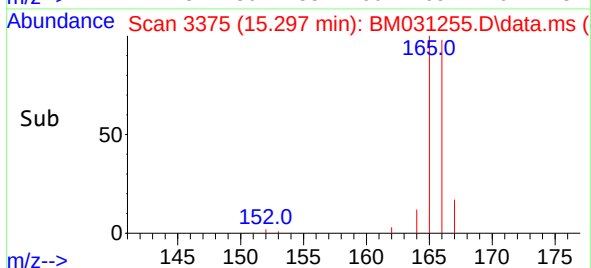
Tgt Ion:153 Resp: 441  
Ion Ratio Lower Upper  
153 100  
152 61.3 40.7 61.1#  
154 87.8 70.2 105.2



#12  
Fluorene  
Concen: 0.062 ng/uI  
RT: 15.297 min Scan# 3375  
Delta R.T. -0.004 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



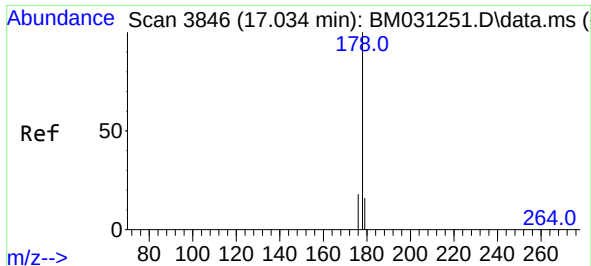
Tgt Ion:166 Resp: 947  
Ion Ratio Lower Upper  
166 100  
165 103.7 78.0 117.0  
167 25.6 12.0 18.0#



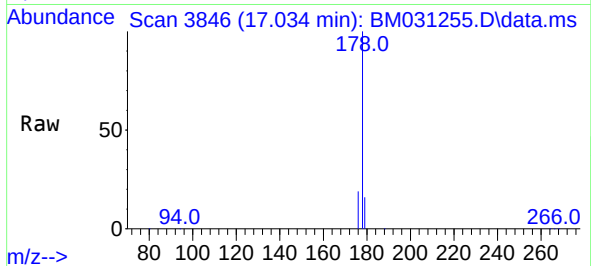
Instrument :  
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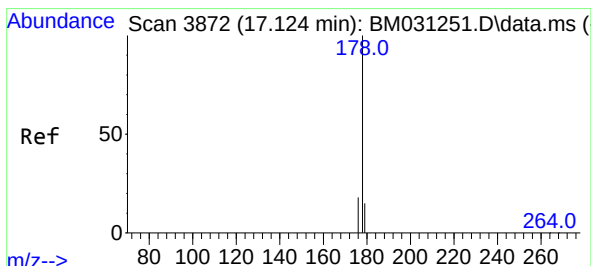
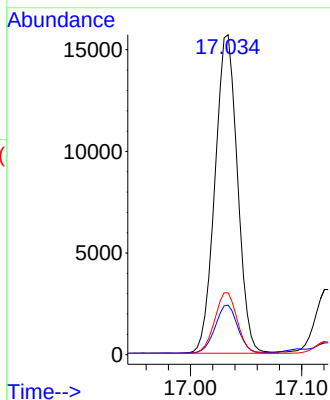
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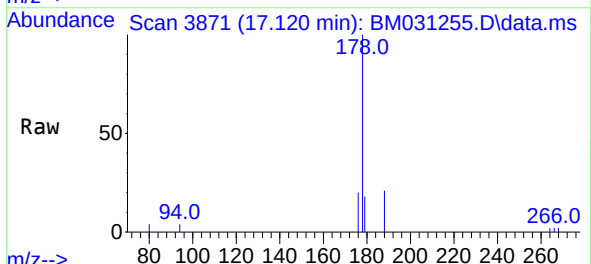
#15  
Phenanthrene  
Concen: 0.974 ng/ul  
RT: 17.034 min Scan# 3846  
Delta R.T. -0.000 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



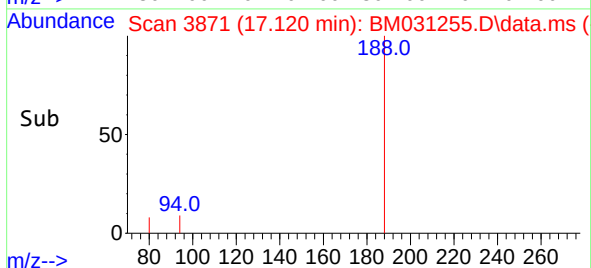
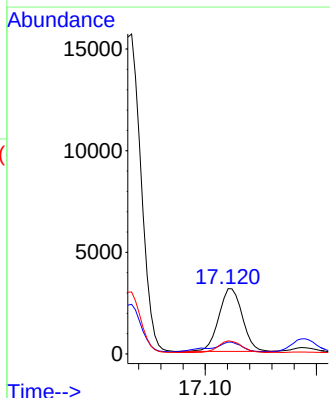
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 22006     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.5  | 13.3 19.9 |
| 176         | 19.4  | 16.2 24.4 |



#16  
Anthracene  
Concen: 0.216 ng/ul  
RT: 17.120 min Scan# 3871  
Delta R.T. -0.004 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



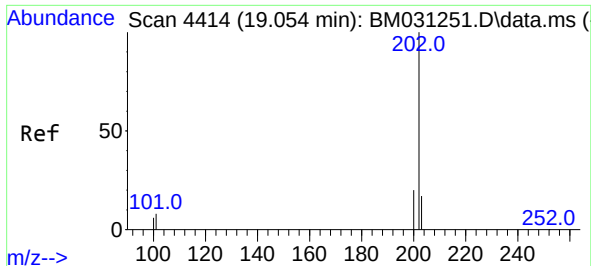
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 4561      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 18.1  | 13.0 19.6 |
| 176         | 20.2  | 15.6 23.4 |



Instrument :  
BNA\_M  
ClientSampled :  
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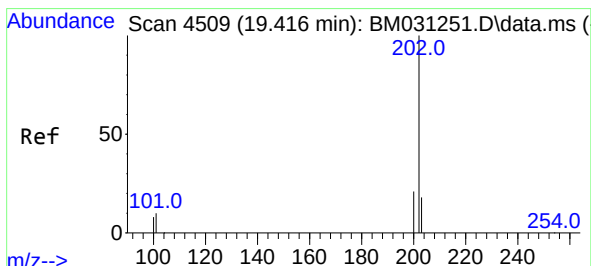
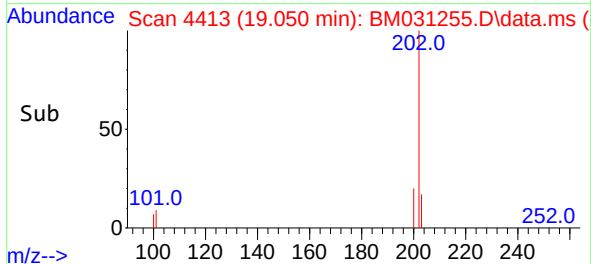
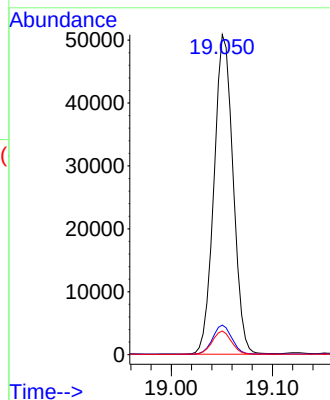
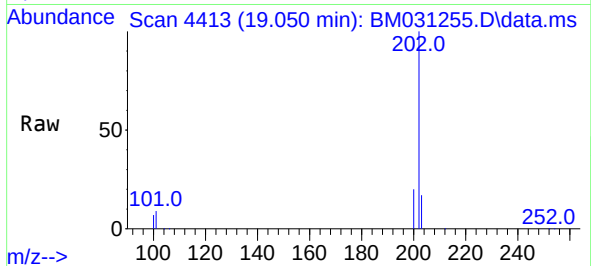
#19  
Fluoranthene  
Concen: 2.724 ng/u1  
RT: 19.050 min Scan# 4413  
Delta R.T. -0.004 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:202 | Resp: | 66468 |
| Ion Ratio   | Lower | Upper |
| 202 100     |       |       |
| 101 9.3     | 6.6   | 10.0  |
| 100 7.4     | 5.4   | 8.0   |

Instrument :  
BNA\_M  
ClientSampleId :  
C0017DL

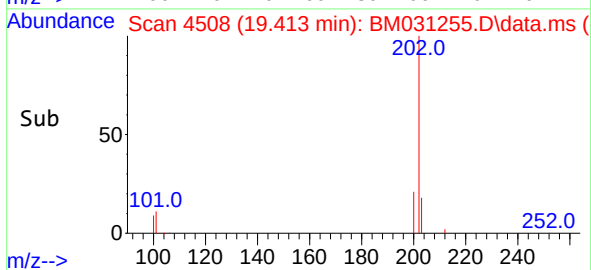
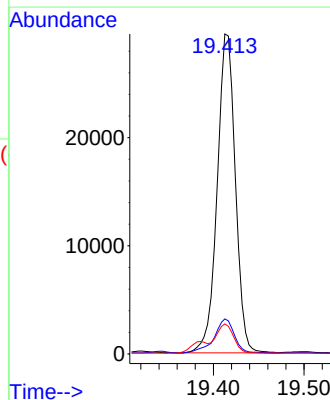
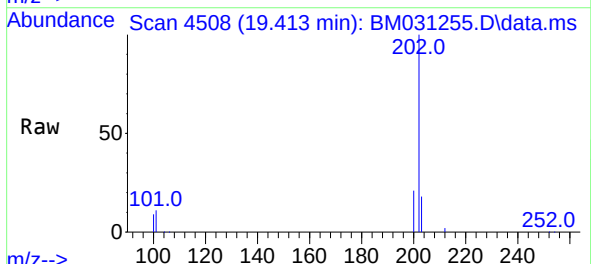
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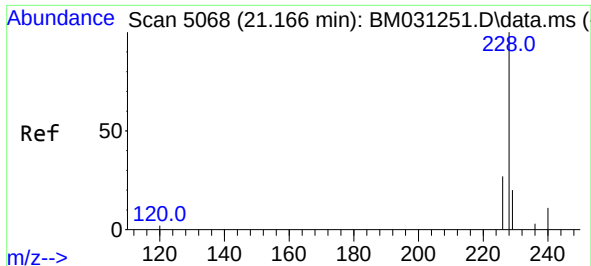
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#20  
Pyrene  
Concen: 1.666 ng/u1  
RT: 19.413 min Scan# 4508  
Delta R.T. -0.004 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:202 | Resp: | 41231 |
| Ion Ratio   | Lower | Upper |
| 202 100     |       |       |
| 101 11.0    | 7.8   | 11.6  |
| 100 9.4     | 6.6   | 10.0  |





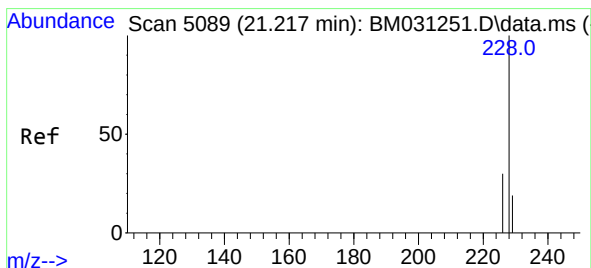
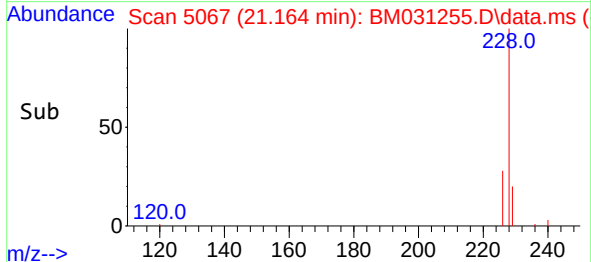
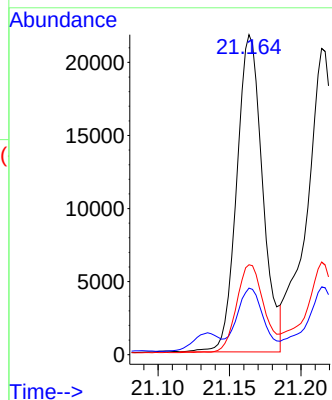
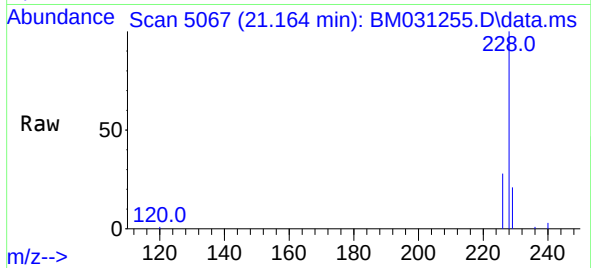
#21  
Benzo(a)anthracene  
Concen: 1.184 ng/ul  
RT: 21.164 min Scan# 5067  
Delta R.T. -0.002 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 27328 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.8  | 15.6  | 23.4  |
| 226       | 28.1  | 21.7  | 32.5  |

Instrument :  
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C0017DL

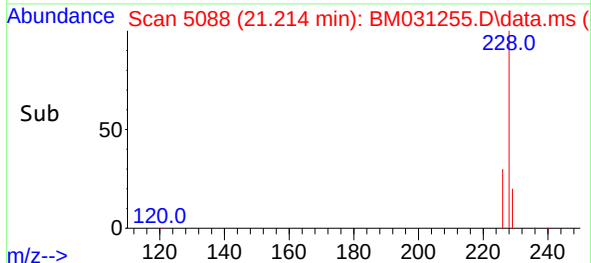
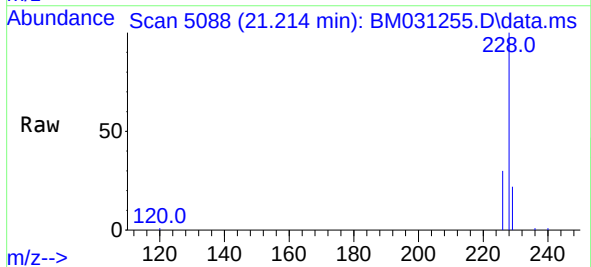
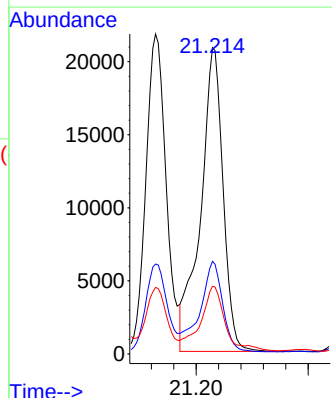
Manual Integrations  
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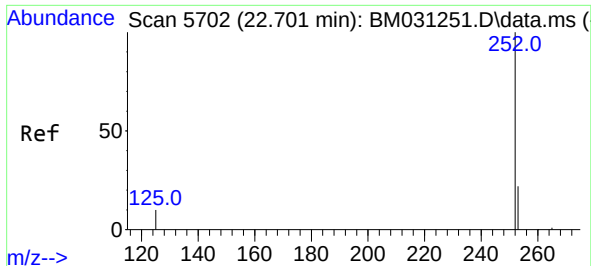


#22  
Chrysene  
Concen: 1.222 ng/ul  
RT: 21.214 min Scan# 5088  
Delta R.T. -0.002 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 29180 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.2  | 24.7  | 37.1  |
| 229       | 22.1  | 16.2  | 24.2  |







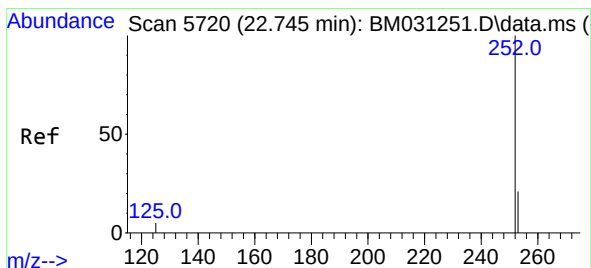
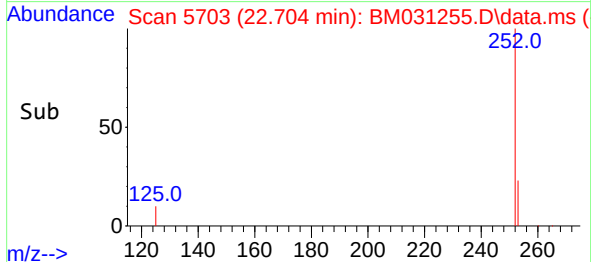
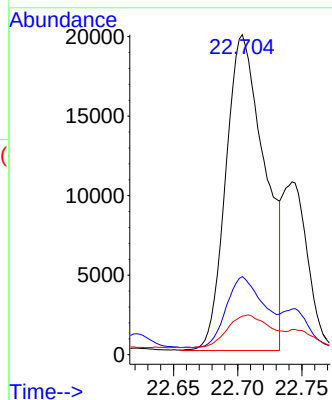
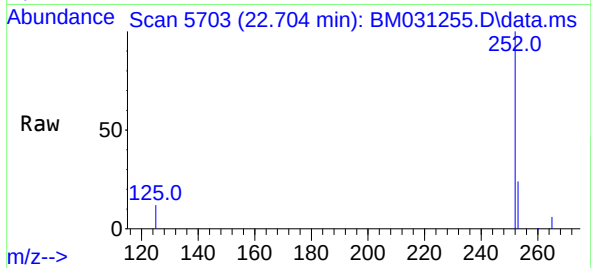
#24  
Benzo(b)fluoranthene  
Concen: 1.636 ng/ul m  
RT: 22.704 min Scan# 5703  
Delta R.T. -0.002 min  
Lab File: BM031255.D  
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|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 41922    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 24.4  | 0.0 53.0 |
| 125         | 12.1  | 0.0 22.8 |

Instrument :  
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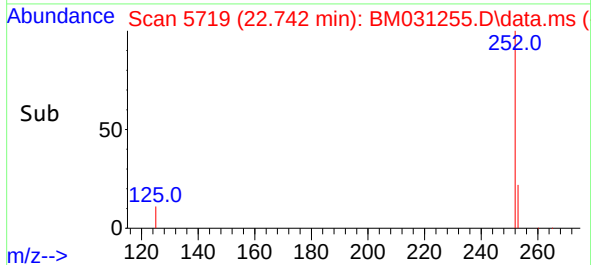
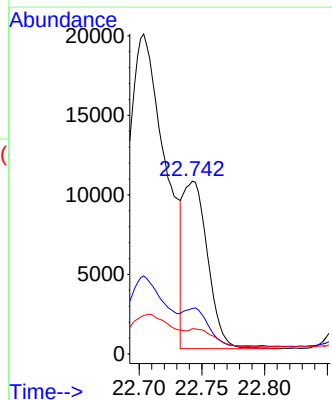
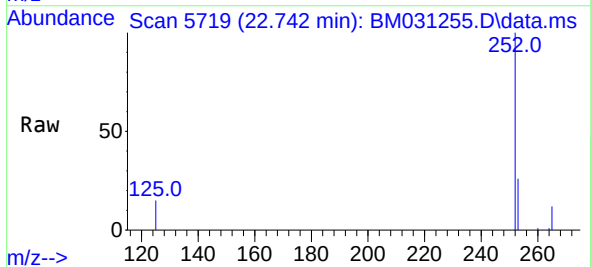
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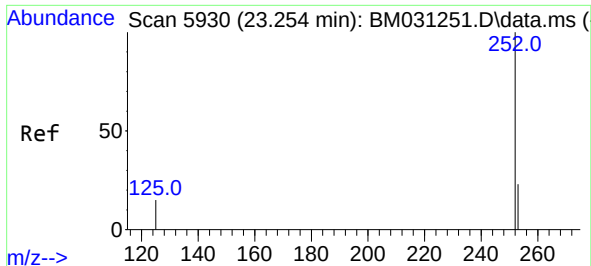
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#25  
Benzo(k)fluoranthene  
Concen: 0.536 ng/ul m  
RT: 22.742 min Scan# 5719  
Delta R.T. -0.005 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 14199     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 26.4  | 21.3 31.9 |
| 125         | 14.6  | 8.8 13.2# |





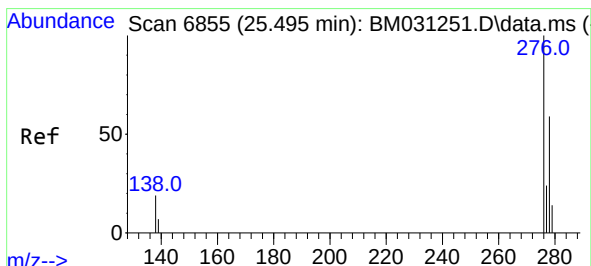
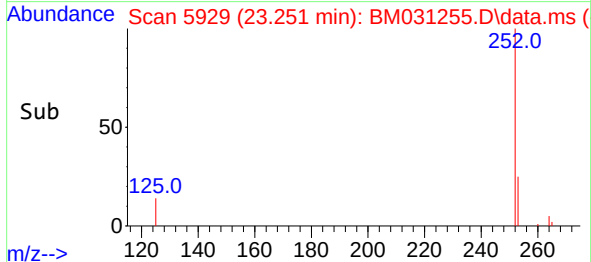
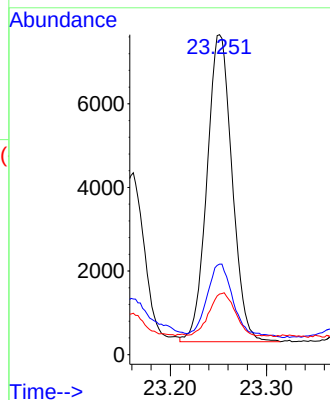
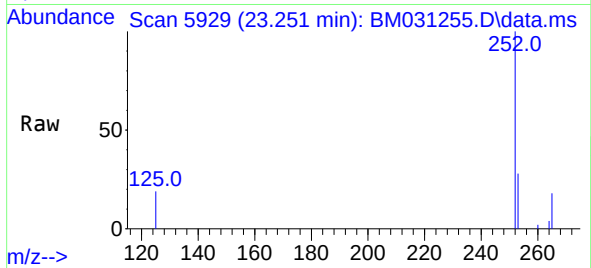
#26  
Benzo(a)pyrene  
Concen: 0.594 ng/ul  
RT: 23.251 min Scan# 5929  
Delta R.T. -0.005 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13325 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.3  | 22.4  | 33.6  |
| 125       | 18.9  | 13.0  | 19.4  |

Instrument :  
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ClientSampled :  
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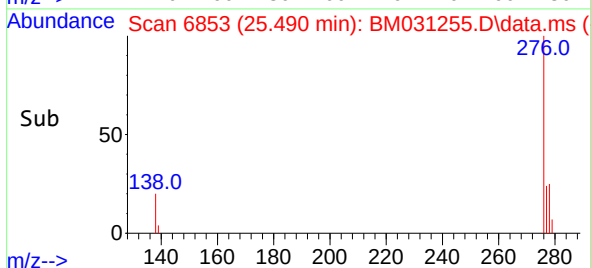
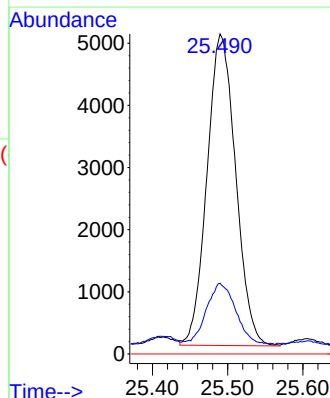
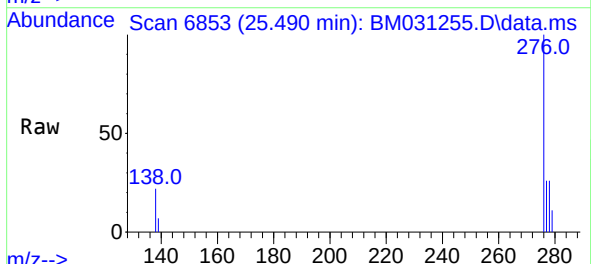
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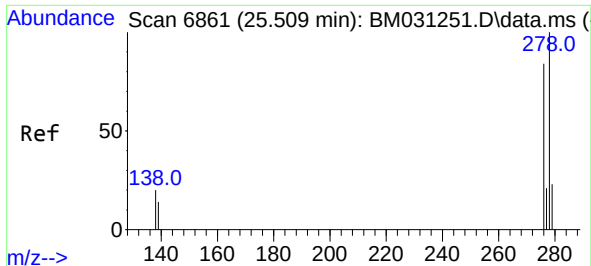
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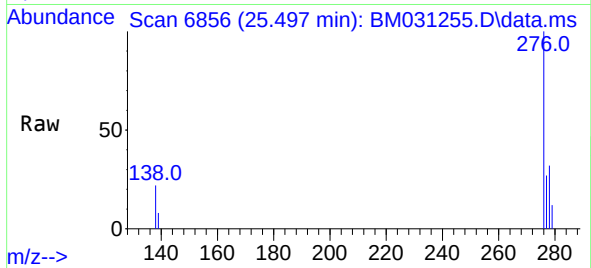
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.457 ng/ul  
RT: 25.490 min Scan# 6853  
Delta R.T. -0.007 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13270 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 20.2  | 15.8  | 23.8  |
| 227       | 0.0   | 0.0   | 0.0   |

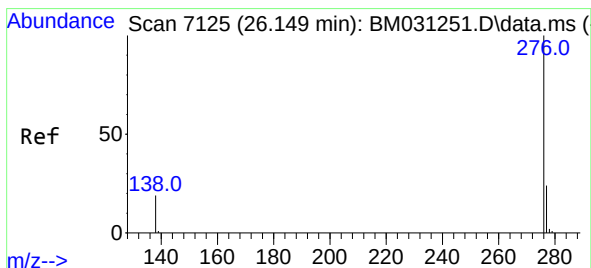
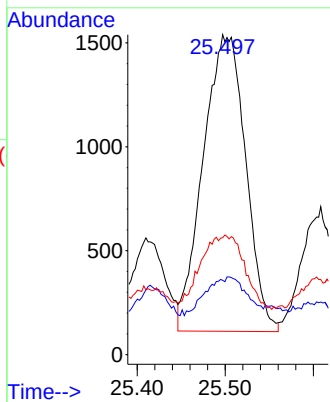
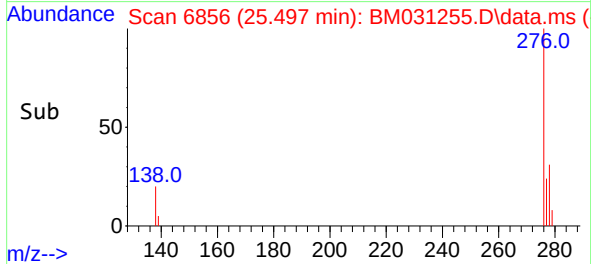




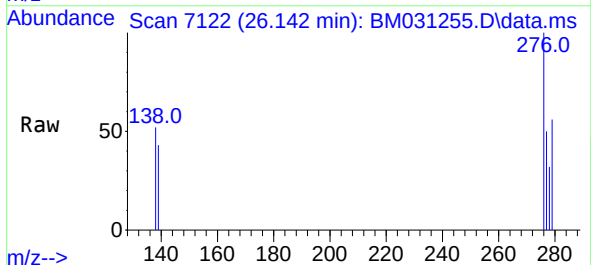
#28  
Dibenzo(a,h)anthracene  
Concen: 0.205 ng/ul  
RT: 25.497 min Scan# 6856  
Delta R.T. -0.017 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



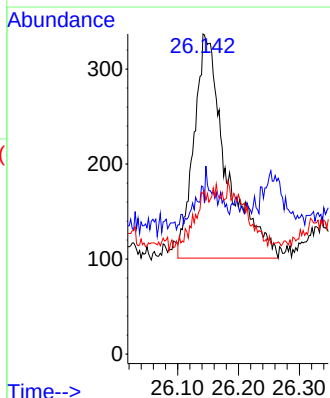
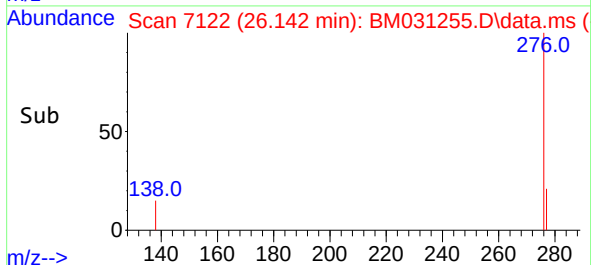
Tgt Ion:278 Resp: 4788  
Ion Ratio Lower Upper  
278 100  
139 23.3 13.3 19.9#  
279 36.6 22.8 34.2#



#29  
Benzo(g,h,i)perylene  
Concen: 0.035 ng/ul  
RT: 26.142 min Scan# 7122  
Delta R.T. -0.007 min  
Lab File: BM031255.D  
Acq: 29 Jul 2021 19:08



Tgt Ion:276 Resp: 865  
Ion Ratio Lower Upper  
276 100  
138 52.2 15.4 23.2#  
277 50.1 19.9 29.9#



Instrument :  
BNA\_M  
ClientSampled :  
C0017DL

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