

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072921\  
 Data File : BM031322.D  
 Acq On : 31 Jul 2021 21:14  
 Operator : CG/JU  
 Sample : M3091-17DL 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0055DL

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Quant Time: Aug 02 01:13:35 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 Jul 30 14:16:52 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.608  | 152  | 1907     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.370 | 136  | 7700     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.235 | 164  | 4736     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.982 | 188  | 9264     | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.171 | 240  | 6946     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.336 | 264  | 6512     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.199  | 96   | 1046     | 0.494 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.962 | 152  | 466      | 0.036 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.012 | 212  | 962      | 0.041 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.415 | 128  | 2976     | 0.130 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.038 | 142  | 5099     | 0.325 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.259 | 142  | 2887     | 0.186 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.959 | 152  | 1949     | 0.097 | ng/ul  | 92       |
| 12) Fluorene                | 15.289 | 166  | 493      | 0.025 | ng/ul# | 72       |
| 15) Phenanthrene            | 17.023 | 178  | 17167    | 0.584 | ng/ul  | 99       |
| 16) Anthracene              | 17.117 | 178  | 2017     | 0.073 | ng/ul# | 92       |
| 19) Fluoranthene            | 19.043 | 202  | 22038    | 0.743 | ng/ul# | 95       |
| 20) Pyrene                  | 19.409 | 202  | 19231    | 0.639 | ng/ul# | 95       |
| 21) Benzo(a)anthracene      | 21.156 | 228  | 9524     | 0.340 | ng/ul# | 92       |
| 22) Chrysene                | 21.207 | 228  | 13241    | 0.456 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.694 | 252  | 15245m   | 0.520 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.730 | 252  | 4671m    | 0.154 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.241 | 252  | 9056     | 0.352 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.478 | 276  | 6549     | 0.197 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.483 | 278  | 1757     | 0.066 | ng/ul# | 41       |
| 29) Benzo(g,h,i)perylene    | 26.132 | 276  | 5925     | 0.209 | ng/ul# | 89       |
| -----                       |        |      |          |       |        |          |

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

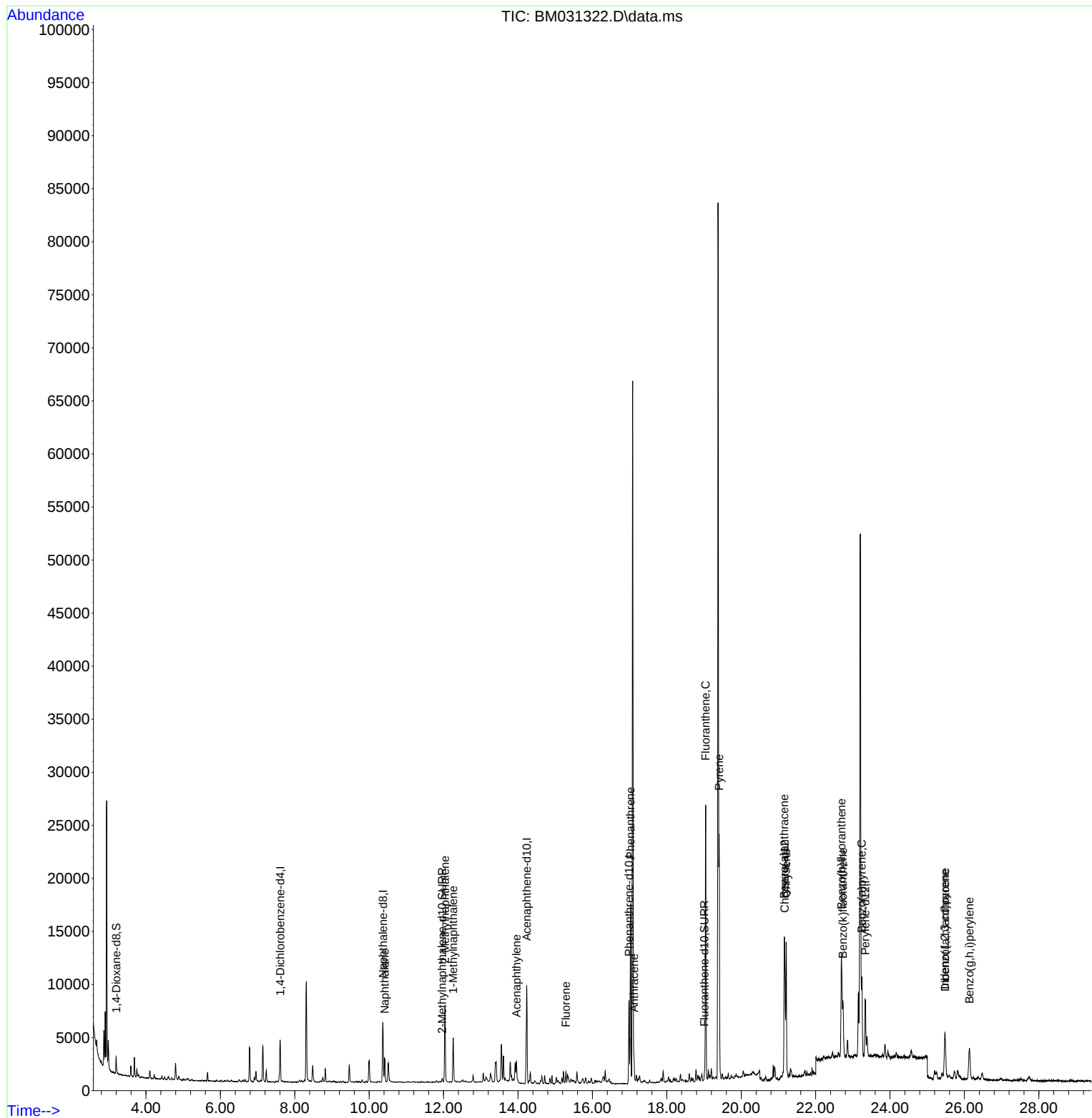
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Data File : BM031322.D  
Acq On : 31 Jul 2021 21:14  
Operator : CG/JU  
Sample : M3091-17DL 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

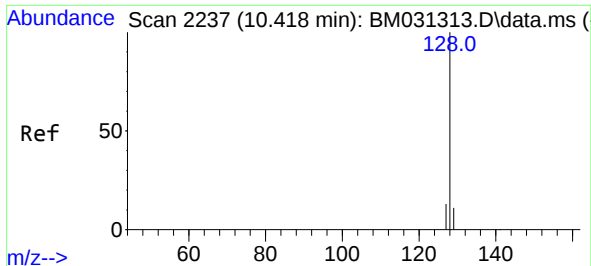
Instrument :  
BNA\_M  
ClientSampleId :  
C0055DL

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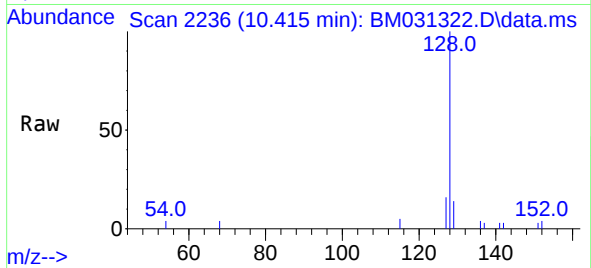
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Quant Time: Aug 02 01:13:35 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 30 14:16:52 2021  
Response via : Initial Calibration

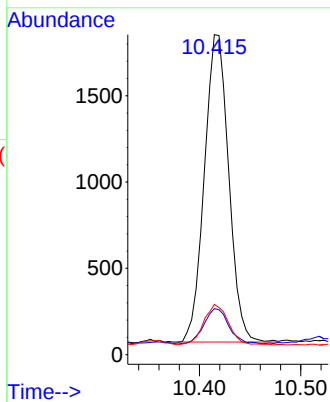
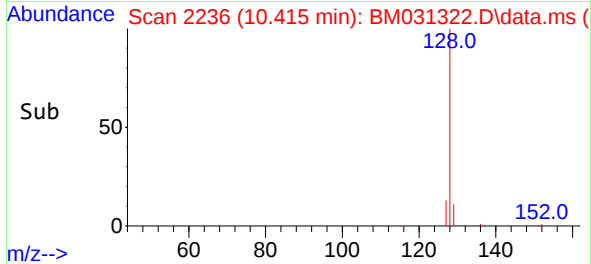




#5  
Naphthalene  
Concen: 0.130 ng/ul  
RT: 10.415 min Scan# 2236  
Delta R.T. -0.008 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



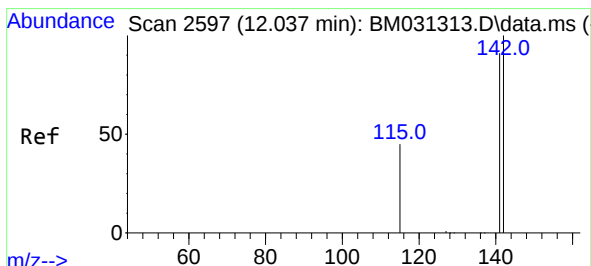
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2976  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 14.4  | 10.0  | 15.0  |
| 127      | 15.7  | 11.6  | 17.4  |



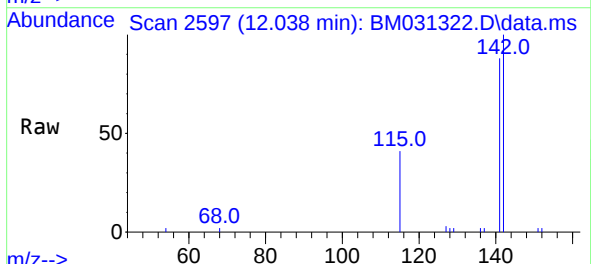
Instrument :  
BNA\_M  
ClientSampleId :  
C0055DL

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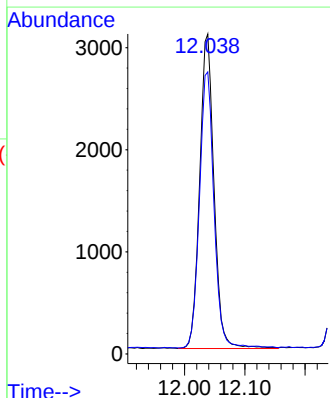
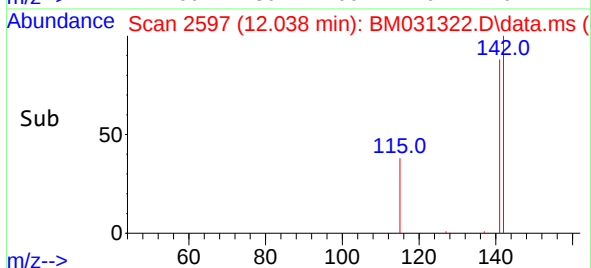
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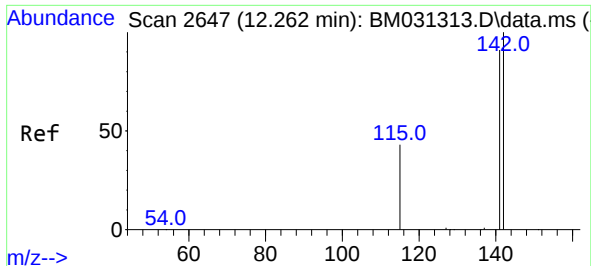


#7  
2-Methylnaphthalene  
Concen: 0.325 ng/ul  
RT: 12.038 min Scan# 2597  
Delta R.T. -0.003 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 5099  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 89.4  | 71.4  | 107.0 |





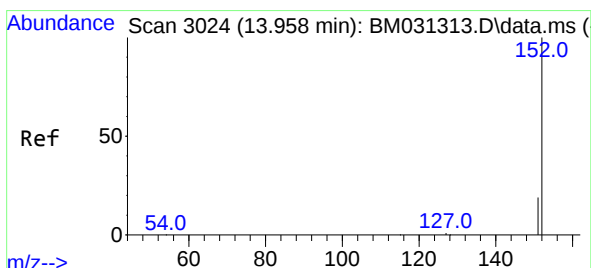
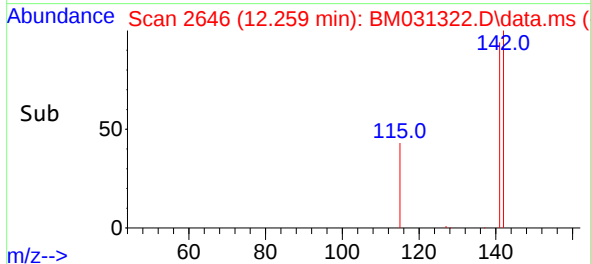
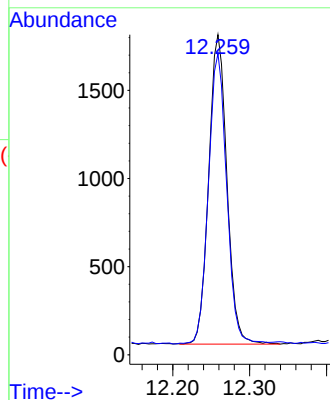
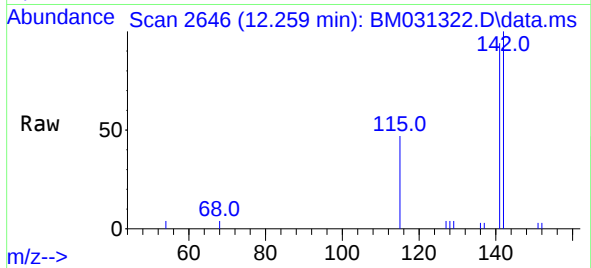
#8  
1-Methylnaphthalene  
Concen: 0.186 ng/ul  
RT: 12.259 min Scan# 2646  
Delta R.T. -0.008 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14

Tgt Ion:142 Resp: 2887  
Ion Ratio Lower Upper  
142 100  
141 94.3 74.1 111.1

Instrument :  
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ClientSampled :  
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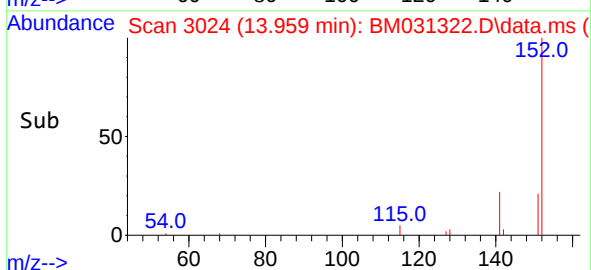
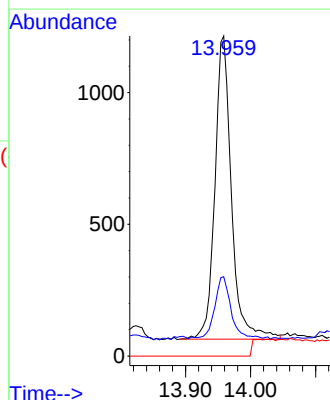
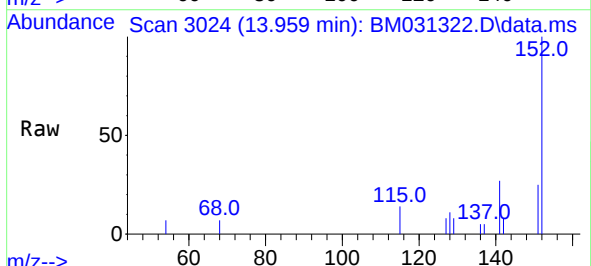
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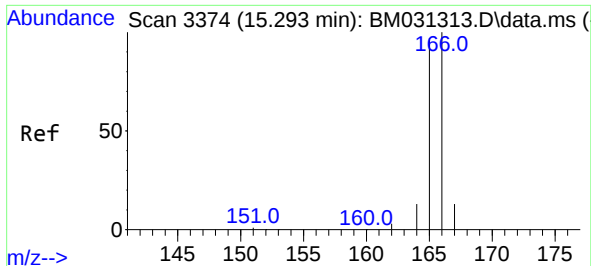
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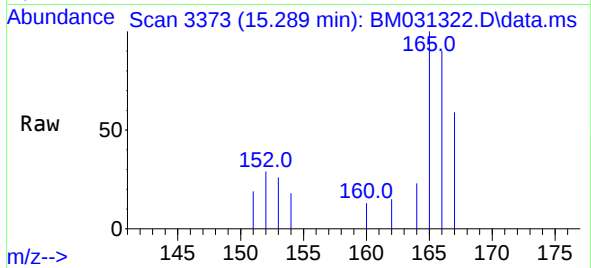
#10  
Acenaphthylene  
Concen: 0.097 ng/ul  
RT: 13.959 min Scan# 3024  
Delta R.T. -0.003 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14

Tgt Ion:152 Resp: 1949  
Ion Ratio Lower Upper  
152 100  
151 24.8 16.9 25.3  
153 0.0 0.0 0.0

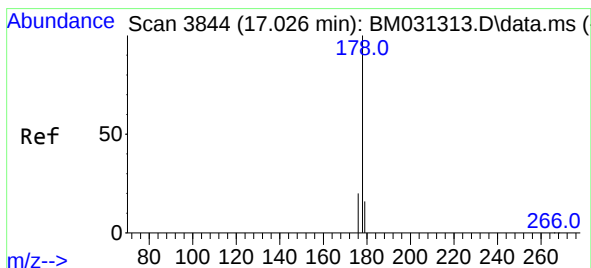
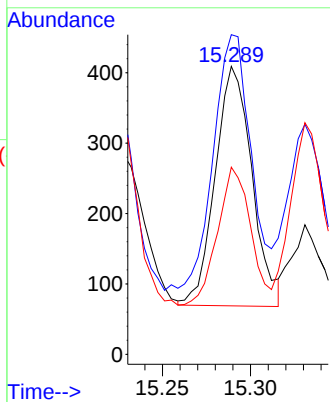
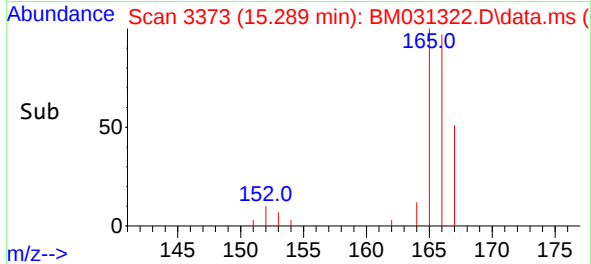




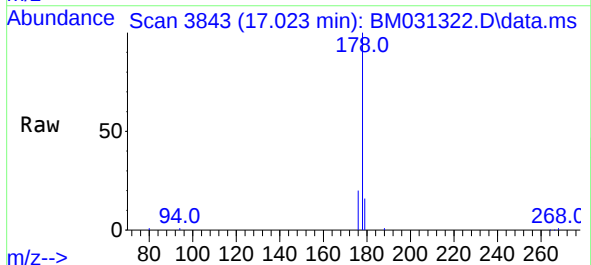
#12  
Fluorene  
Concen: 0.025 ng/ul  
RT: 15.289 min Scan# 3373  
Delta R.T. -0.007 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



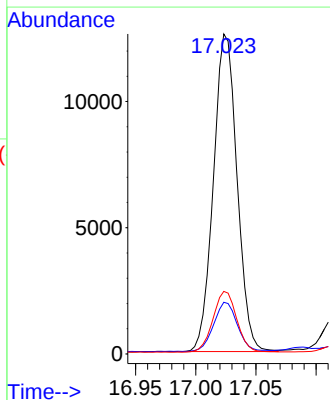
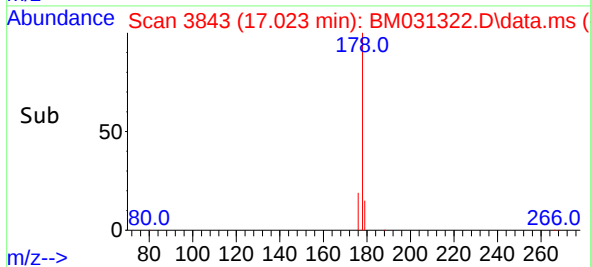
Tgt Ion:166 Resp: 493  
Ion Ratio Lower Upper  
166 100  
165 111.0 78.0 117.0  
167 65.0 12.0 18.0#



#15  
Phenanthrene  
Concen: 0.584 ng/ul  
RT: 17.023 min Scan# 3843  
Delta R.T. -0.007 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



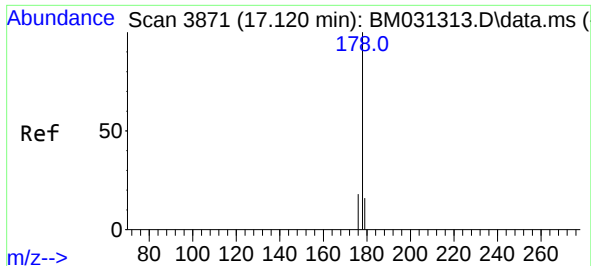
Tgt Ion:178 Resp: 17167  
Ion Ratio Lower Upper  
178 100  
179 16.1 13.3 19.9  
176 19.5 16.2 24.4



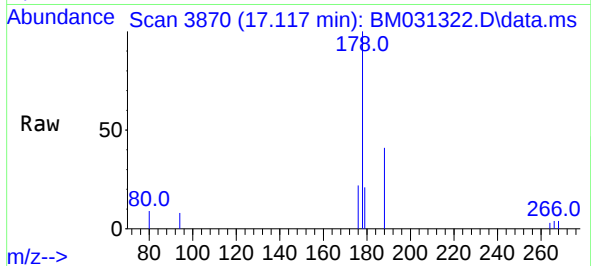
Instrument :  
BNA\_M  
ClientSampleId :  
C0055DL

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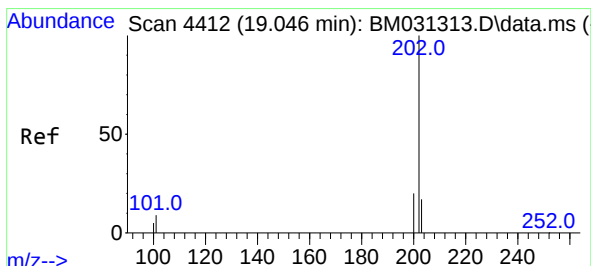
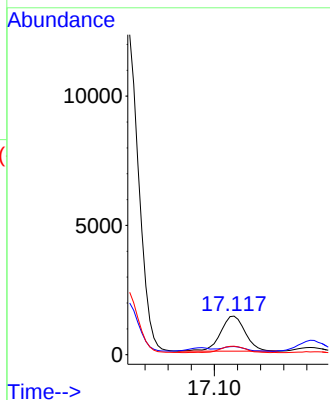
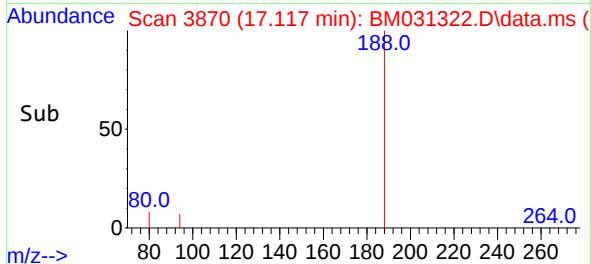
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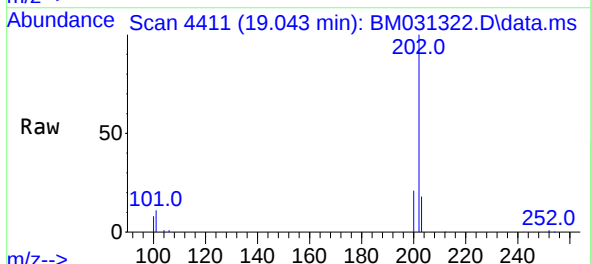
#16  
 Anthracene  
 Concen: 0.073 ng/ul  
 RT: 17.117 min Scan# 3870  
 Delta R.T. -0.003 min  
 Lab File: BM031322.D  
 Acq: 31 Jul 2021 21:14



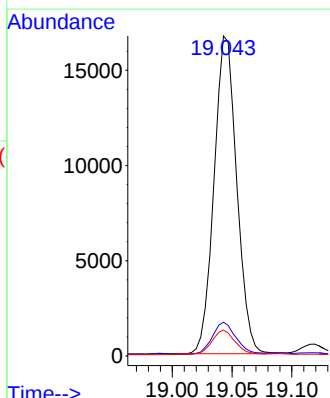
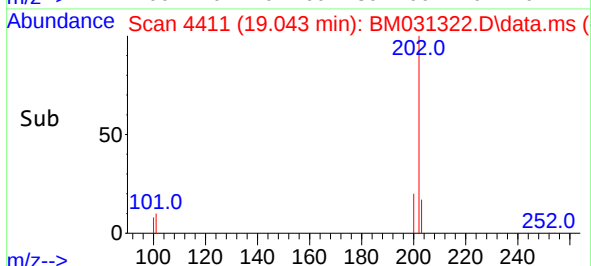
Tgt Ion:178 Resp: 2017  
 Ion Ratio Lower Upper  
 178 100  
 179 21.1 13.0 19.6#  
 176 22.1 15.6 23.4



#19  
 Fluoranthene  
 Concen: 0.743 ng/ul  
 RT: 19.043 min Scan# 4411  
 Delta R.T. -0.007 min  
 Lab File: BM031322.D  
 Acq: 31 Jul 2021 21:14



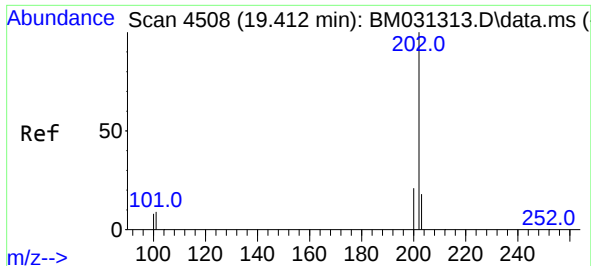
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 Ion Ratio Lower Upper  
 202 100  
 101 10.5 6.6 10.0#  
 100 8.1 5.4 8.0#



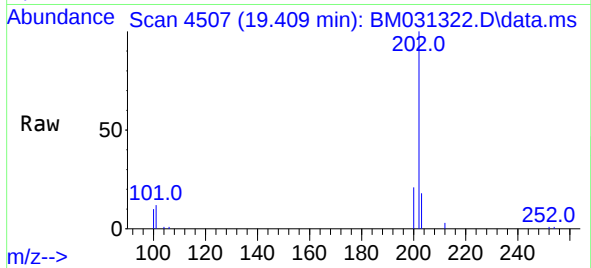
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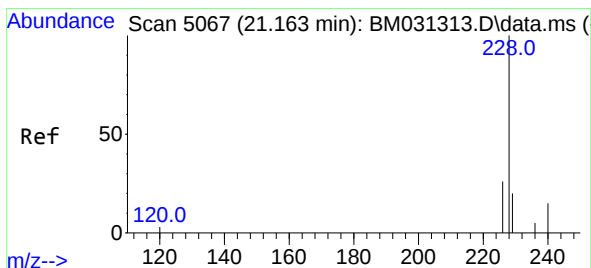
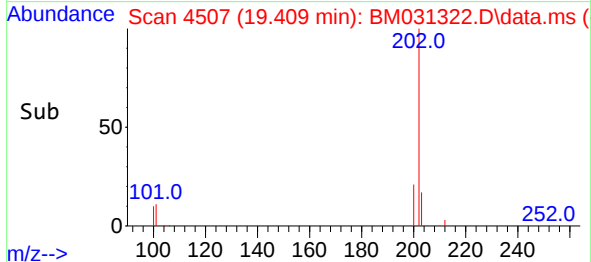
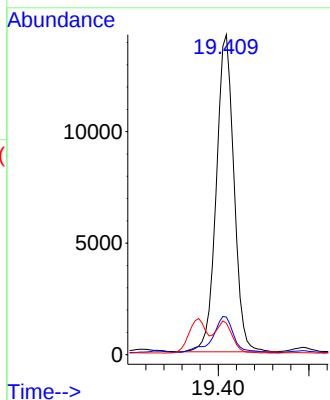
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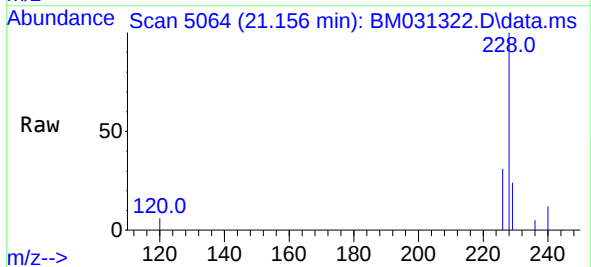
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Pyrene  
Concen: 0.639 ng/ul  
RT: 19.409 min Scan# 4507  
Delta R.T. -0.003 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



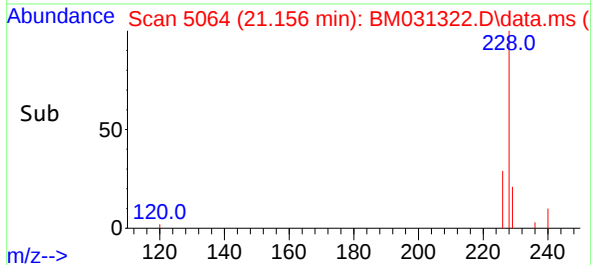
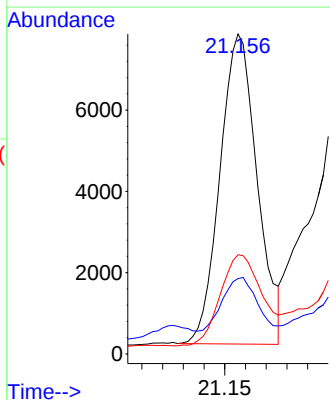
Tgt Ion:202 Resp: 19231  
Ion Ratio Lower Upper  
202 100  
101 11.7 7.8 11.6#  
100 9.9 6.6 10.0



#21  
Benzo(a)anthracene  
Concen: 0.340 ng/ul  
RT: 21.156 min Scan# 5064  
Delta R.T. -0.004 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



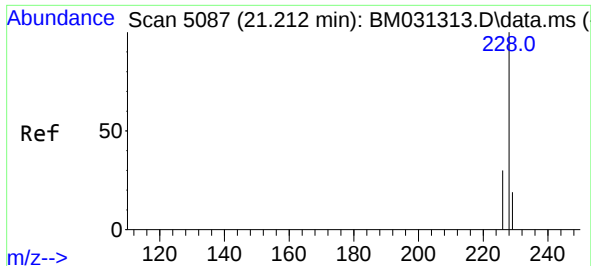
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Ion Ratio Lower Upper  
228 100  
229 23.5 15.6 23.4#  
226 31.0 21.7 32.5



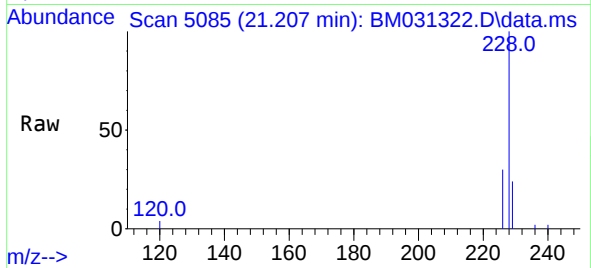
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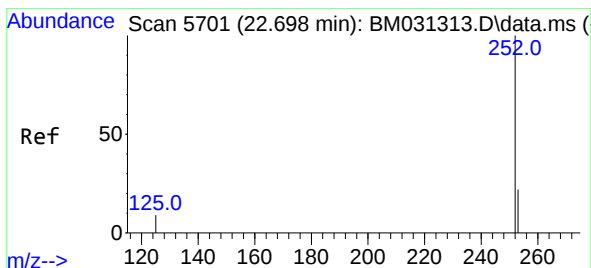
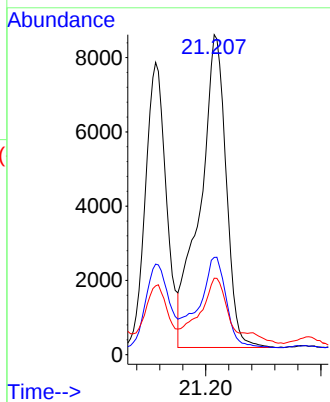
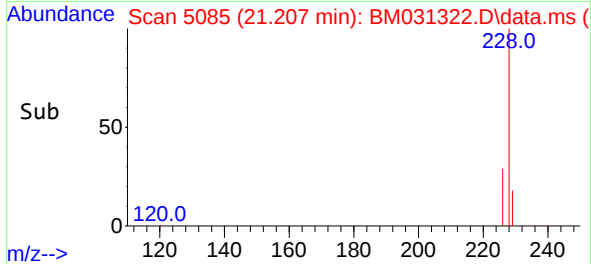
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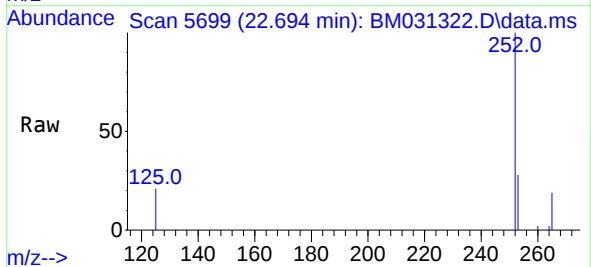
#22  
Chrysene  
Concen: 0.456 ng/ul  
RT: 21.207 min Scan# 5085  
Delta R.T. -0.007 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



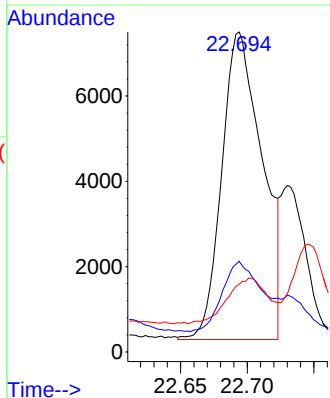
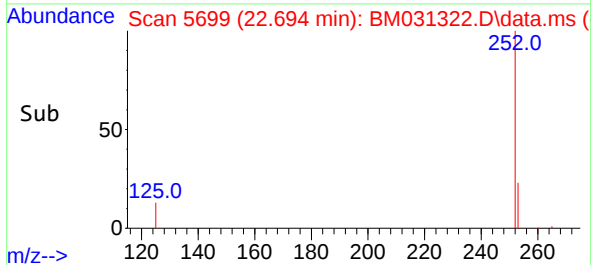
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 13241 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.4  | 24.7  | 37.1  |
| 229       | 23.9  | 16.2  | 24.2  |



#24  
Benzo(b)fluoranthene  
Concen: 0.520 ng/ul m  
RT: 22.694 min Scan# 5699  
Delta R.T. -0.004 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



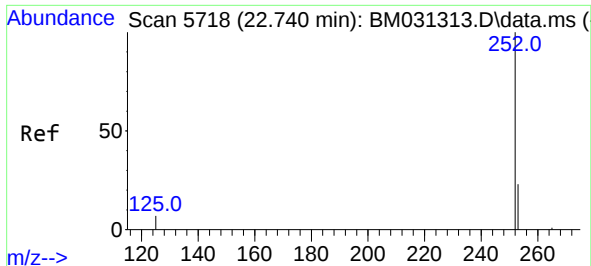
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 15245 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.4  | 0.0   | 53.0  |
| 125       | 21.1  | 0.0   | 22.8  |



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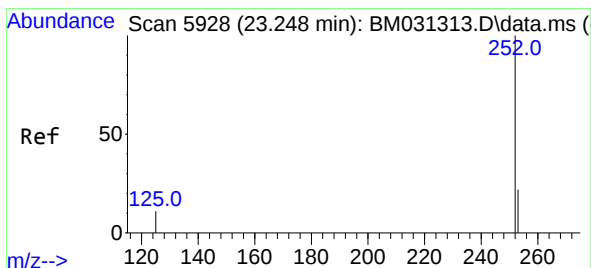
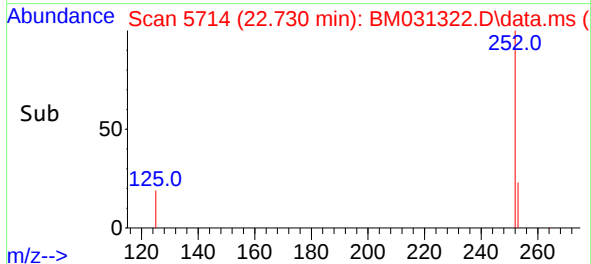
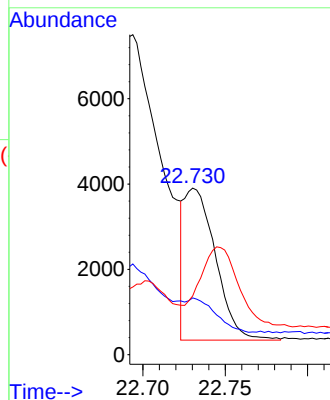
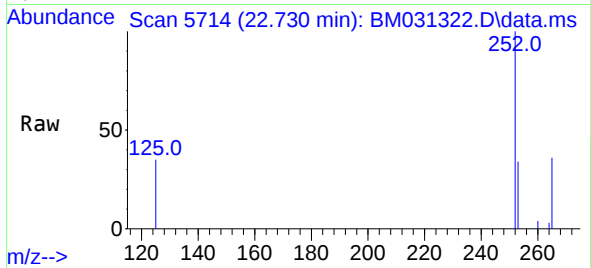
#25  
Benzo(k)fluoranthene  
Concen: 0.154 ng/ul m  
RT: 22.730 min Scan# 5714  
Delta R.T. -0.009 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 4671  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 34.1  | 21.3  | 31.9# |
| 125       | 35.2  | 8.8   | 13.2# |

Instrument :  
BNA\_M  
ClientSampled :  
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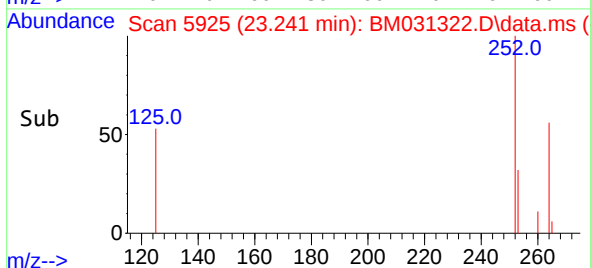
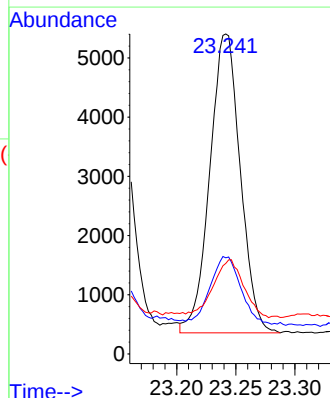
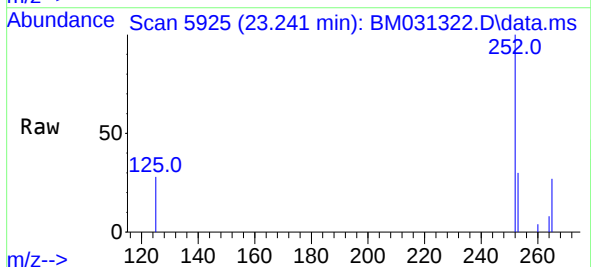
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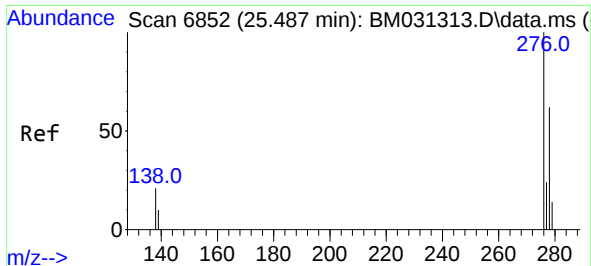
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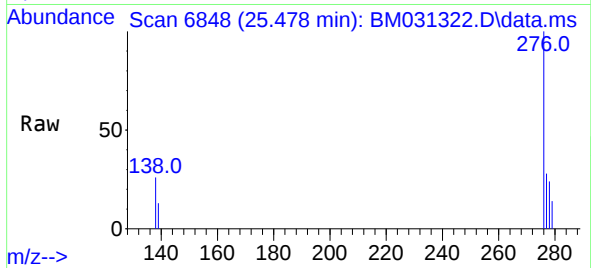
#26  
Benzo(a)pyrene  
Concen: 0.352 ng/ul  
RT: 23.241 min Scan# 5925  
Delta R.T. -0.007 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 9056  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 30.1  | 22.4  | 33.6  |
| 125       | 28.3  | 13.0  | 19.4# |

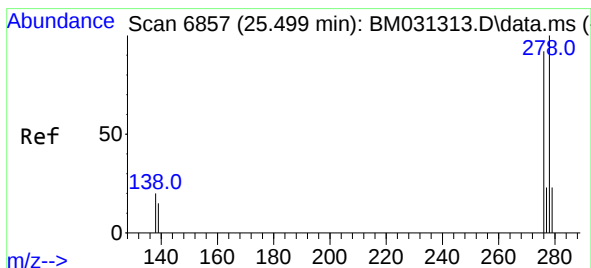
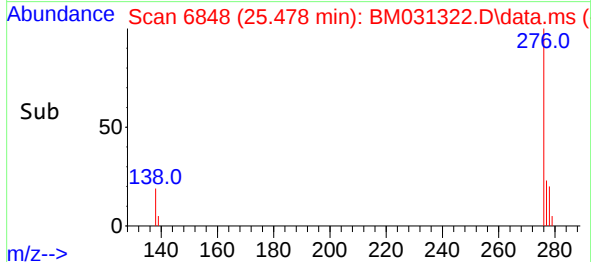
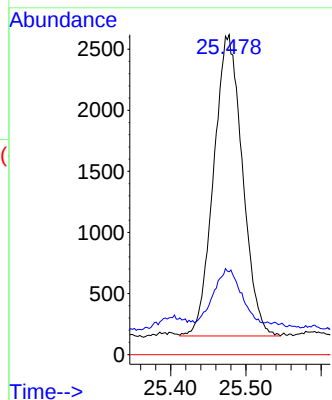




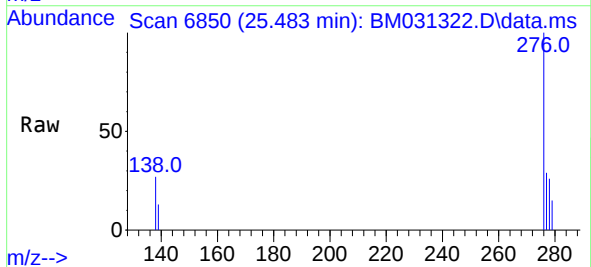
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.197 ng/ul  
RT: 25.478 min Scan# 6848  
Delta R.T. -0.012 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



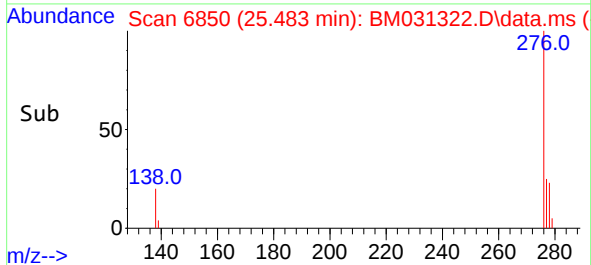
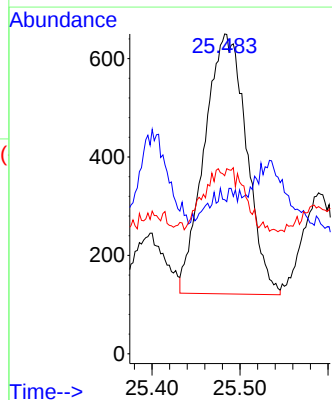
Tgt Ion:276 Resp: 6549  
Ion Ratio Lower Upper  
276 100  
138 20.6 15.8 23.8  
227 0.0 0.0 0.0



#28  
Dibenzo(a,h)anthracene  
Concen: 0.066 ng/ul  
RT: 25.483 min Scan# 6850  
Delta R.T. -0.021 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



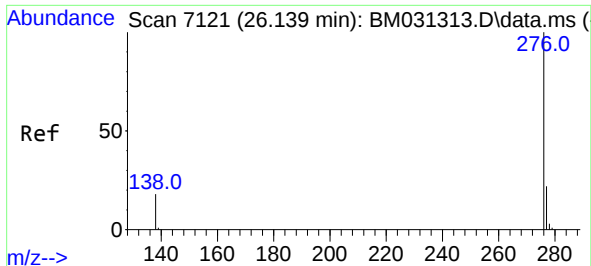
Tgt Ion:278 Resp: 1757  
Ion Ratio Lower Upper  
278 100  
139 48.2 13.3 19.9#  
279 55.7 22.8 34.2#



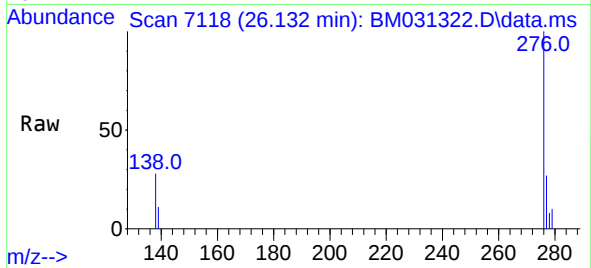
Instrument :  
BNA\_M  
ClientSampled :  
C0055DL

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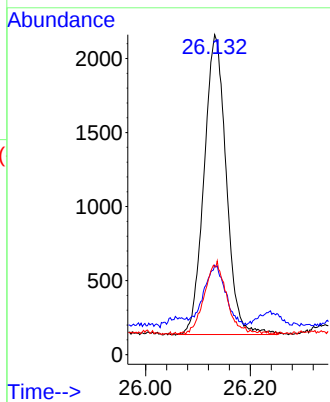
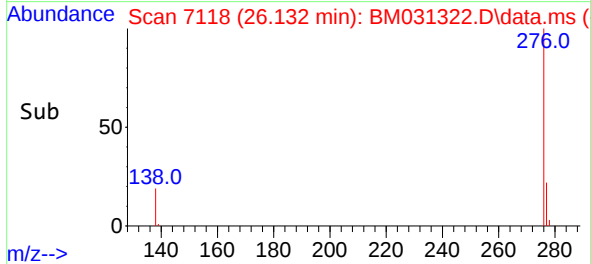
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#29  
Benzo(g,h,i)perylene  
Concen: 0.209 ng/ul  
RT: 26.132 min Scan# 7118  
Delta R.T. -0.012 min  
Lab File: BM031322.D  
Acq: 31 Jul 2021 21:14



Tgt Ion: 276 Resp: 5925  
Ion Ratio Lower Upper  
276 100  
138 28.0 15.4 23.2#  
277 27.4 19.9 29.9



Instrument :  
BNA\_M  
ClientSampleId :  
C0055DL

Manual Integrations  
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