

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081221\  
 Data File : BM031722.D  
 Acq On : 13 Aug 2021 19:36  
 Operator : CG/JU  
 Sample : M3208-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00F0

Manual Integrations  
 APPROVED

mohammad  
 8/16/2021 8:40:18 AM

Quant Time: Aug 14 00:49:14 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 : Thu Aug 12 17:28:09 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.566  | 152  | 1089     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.324 | 136  | 4002     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.201 | 164  | 2482     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.950 | 188  | 4477     | 0.400 | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.151 | 240  | 3790     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.307 | 264  | 3590     | 0.400 | ng/ul  | #-0.01   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.182  | 96   | 3990     | 3.299 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.920 | 152  | 1388     | 0.206 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.985 | 212  | 2924     | 0.231 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.373 | 128  | 13417    | 1.125 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.997 | 142  | 9917     | 1.218 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.217 | 142  | 5389     | 0.670 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.922 | 152  | 4050     | 0.383 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.292 | 153  | 645m     | 0.072 | ng/ul  |          |
| 12) Fluorene                | 15.255 | 166  | 696      | 0.068 | ng/ul# | 73       |
| 15) Phenanthrene            | 16.992 | 178  | 37001    | 2.603 | ng/ul  | 98       |
| 16) Anthracene              | 17.085 | 178  | 4294     | 0.323 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.016 | 202  | 63145    | 3.902 | ng/ul# | 96       |
| 20) Pyrene                  | 19.382 | 202  | 52042    | 3.170 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.132 | 228  | 33057    | 2.160 | ng/ul  | 95       |
| 22) Chrysene                | 21.185 | 228  | 43347    | 2.738 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.664 | 252  | 46919m   | 2.901 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.703 | 252  | 13858m   | 0.829 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.212 | 252  | 23156    | 1.635 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.434 | 276  | 17792    | 0.972 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.439 | 278  | 5107     | 0.346 | ng/ul# | 77       |
| 29) Benzo(g,h,i)perylene    | 26.086 | 276  | 3651     | 0.234 | ng/ul# | 80       |
| -----                       |        |      |          |       |        |          |

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

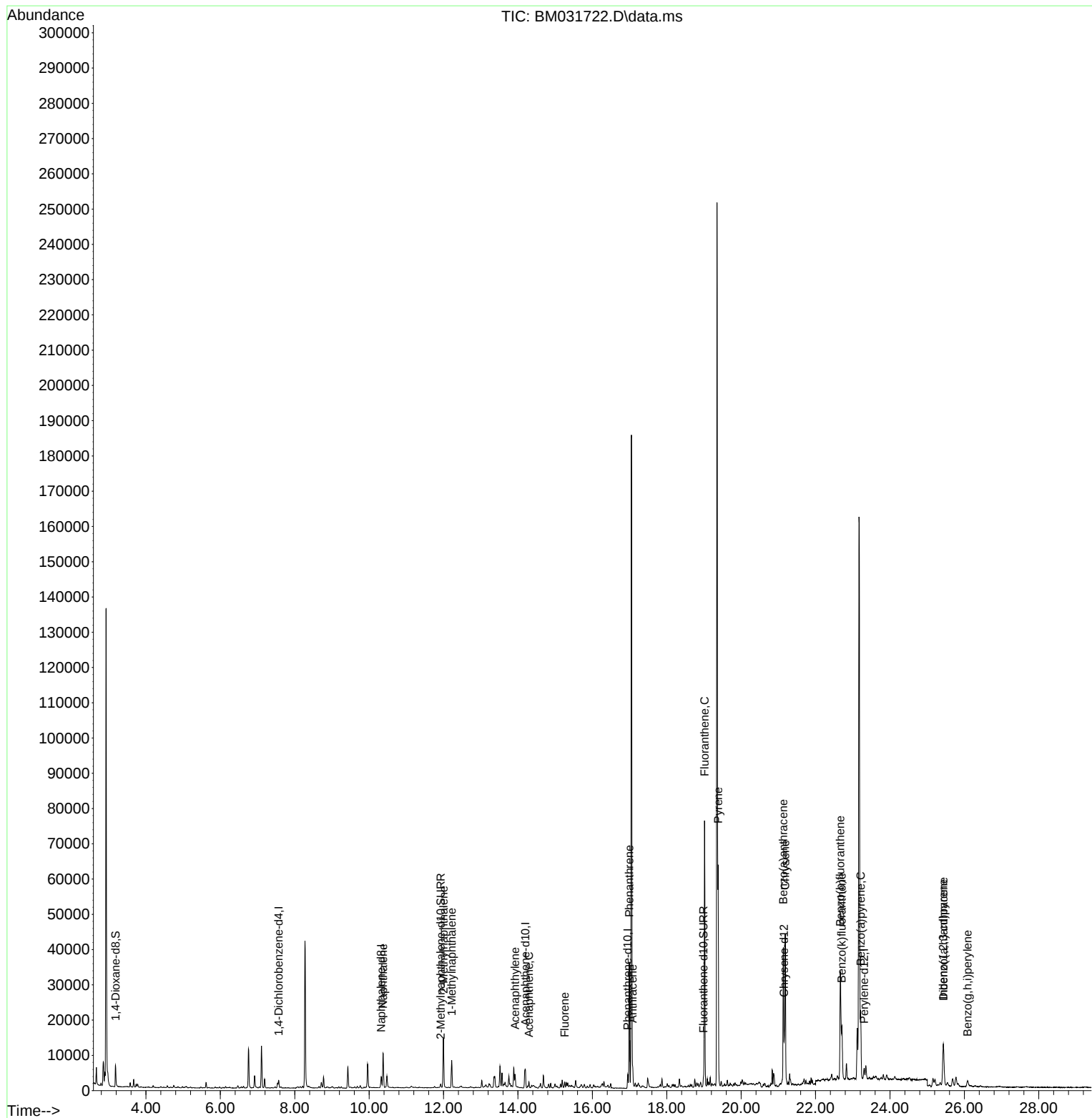
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Data File : BM031722.D  
Acq On : 13 Aug 2021 19:36  
Operator : CG/JU  
Sample : M3208-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

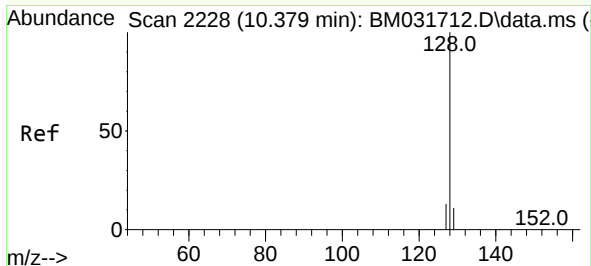
Instrument :  
BNA\_M  
ClientSampleId :  
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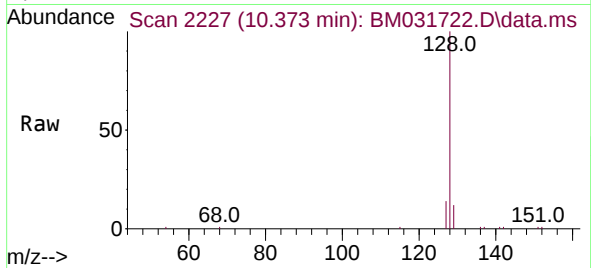
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Quant Time: Aug 14 00:49:14 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 12 17:28:09 2021  
Response via : Initial Calibration

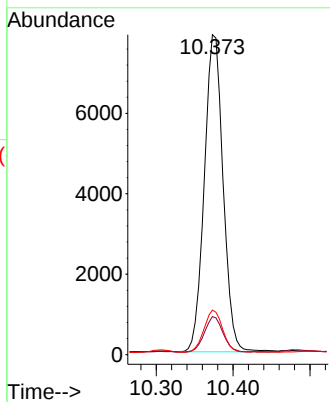
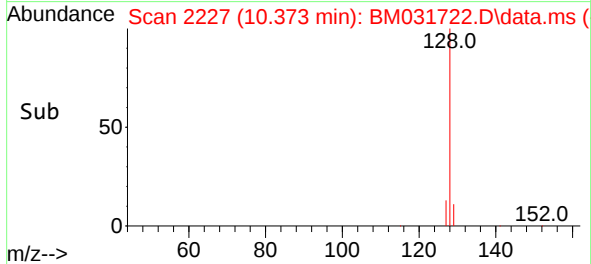




#5  
Naphthalene  
Concen: 1.125 ng/ul  
RT: 10.373 min Scan# 2227  
Delta R.T. -0.009 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



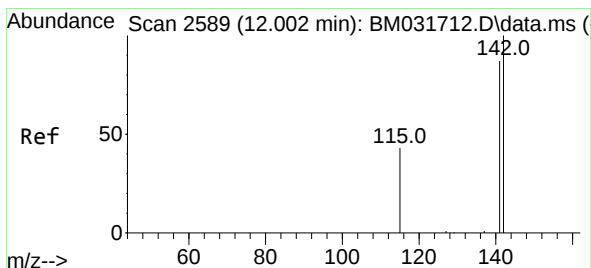
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Ion Ratio Lower Upper  
128 100  
129 11.9 10.0 15.0  
127 13.9 11.6 17.4



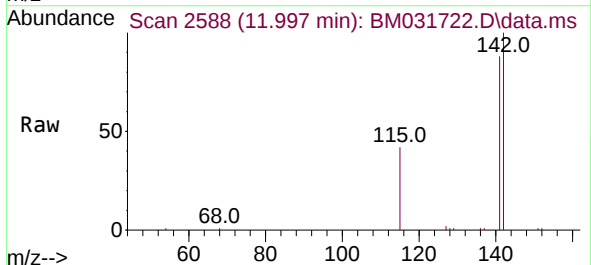
Instrument :  
BNA\_M  
ClientSampled :  
C00F0

Manual Integrations  
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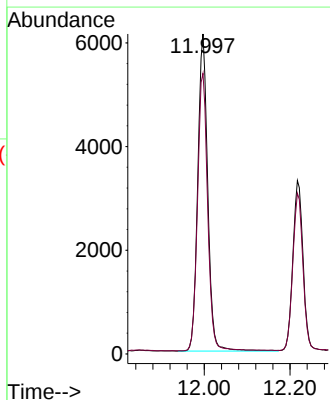
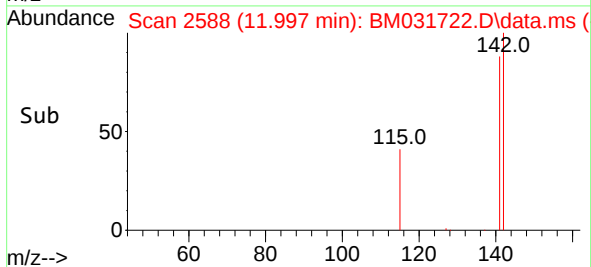
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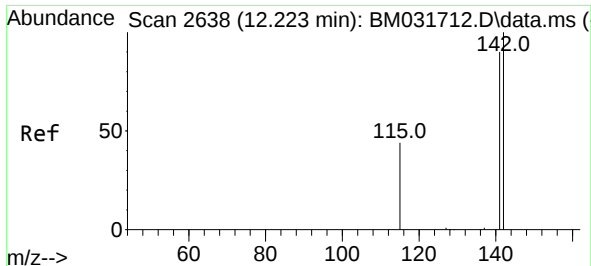


#7  
2-Methylnaphthalene  
Concen: 1.218 ng/ul  
RT: 11.997 min Scan# 2588  
Delta R.T. -0.009 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

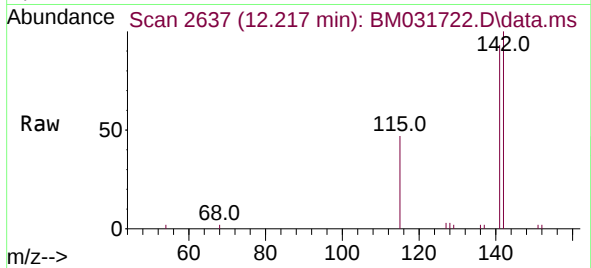


Tgt Ion:142 Resp: 9917  
Ion Ratio Lower Upper  
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141 89.0 71.4 107.0

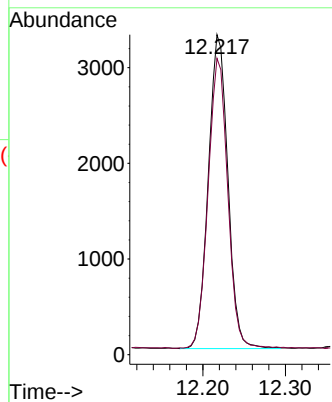
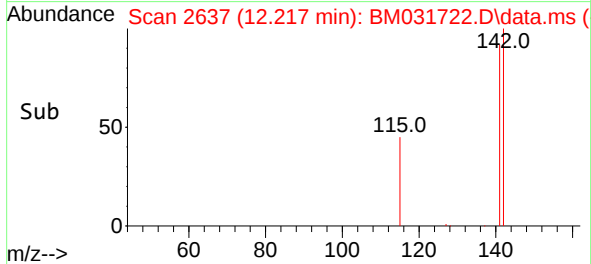




#8  
1-Methylnaphthalene  
Concen: 0.670 ng/ul  
RT: 12.217 min Scan# 2637  
Delta R.T. -0.009 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



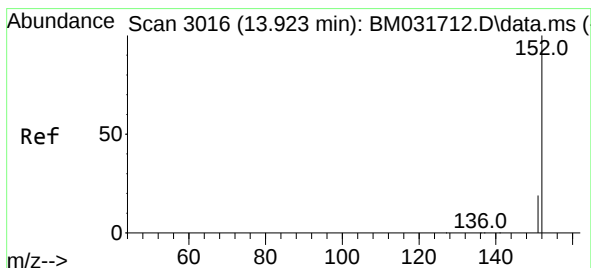
Tgt Ion:142 Resp: 5389  
Ion Ratio Lower Upper  
142 100  
141 92.7 74.1 111.1



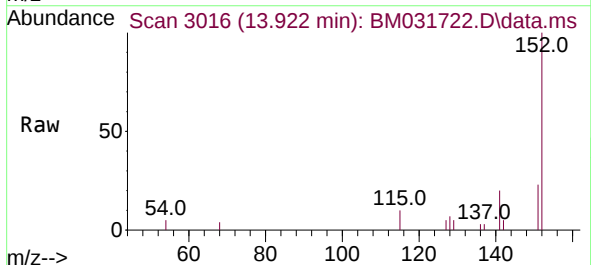
Instrument :  
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ClientSampleId :  
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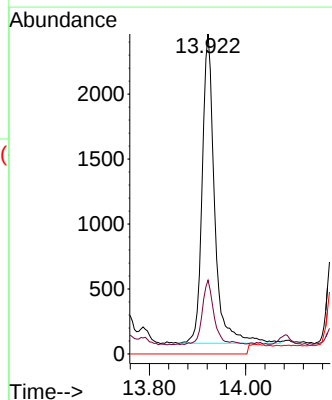
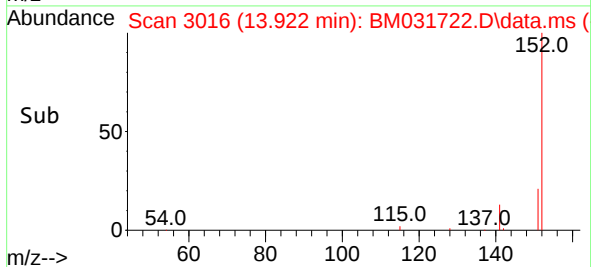
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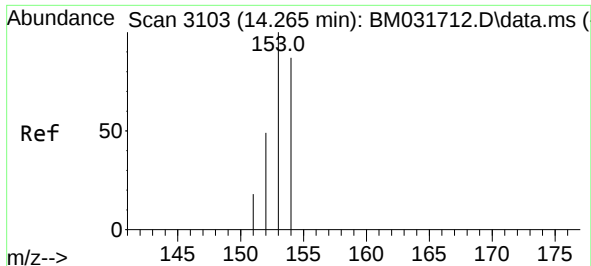


#10  
Acenaphthylene  
Concen: 0.383 ng/ul  
RT: 13.922 min Scan# 3016  
Delta R.T. -0.009 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

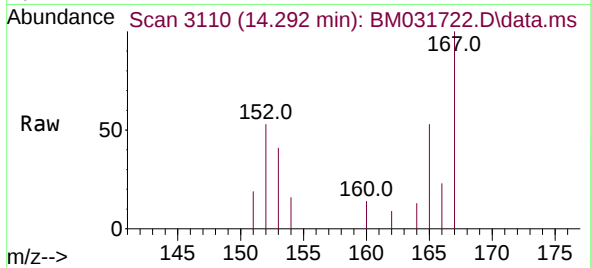


Tgt Ion:152 Resp: 4050  
Ion Ratio Lower Upper  
152 100  
151 23.1 16.9 25.3  
153 0.0 0.0 0.0

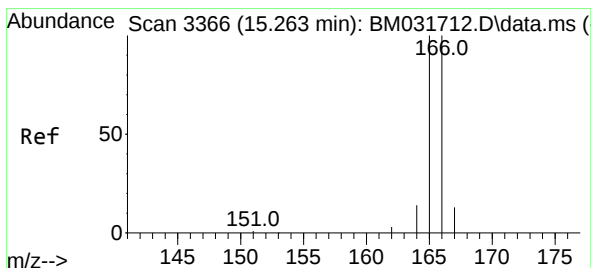
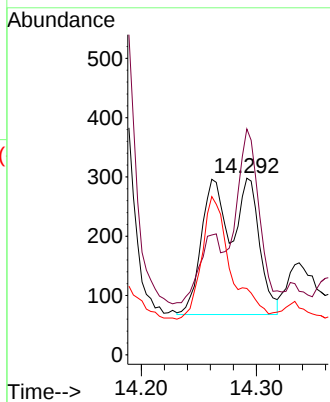
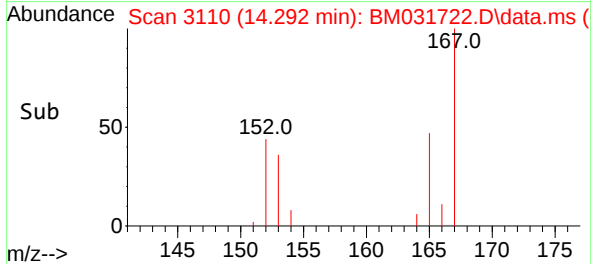




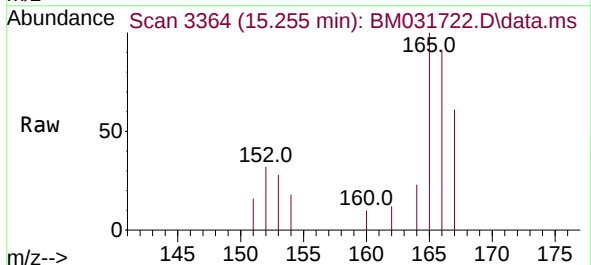
#11  
Acenaphthene  
Concen: 0.072 ng/ul m  
RT: 14.292 min Scan# 3110  
Delta R.T. 0.019 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



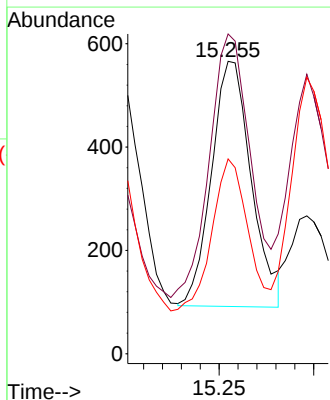
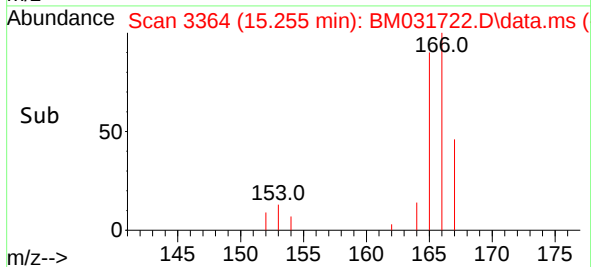
Tgt Ion:153 Resp: 645  
Ion Ratio Lower Upper  
153 100  
152 127.9 40.7 61.1#  
154 37.6 70.2 105.2#



#12  
Fluorene  
Concen: 0.068 ng/ul  
RT: 15.255 min Scan# 3364  
Delta R.T. -0.015 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



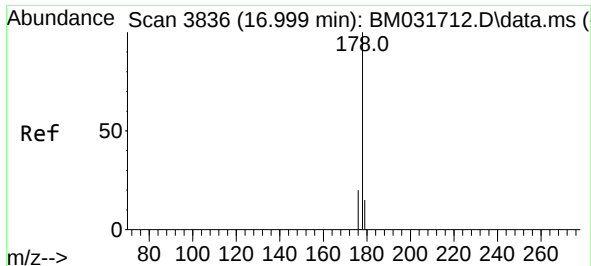
Tgt Ion:166 Resp: 696  
Ion Ratio Lower Upper  
166 100  
165 109.4 78.0 117.0  
167 66.6 12.0 18.0#



Instrument :  
BNA\_M  
ClientSampleId :  
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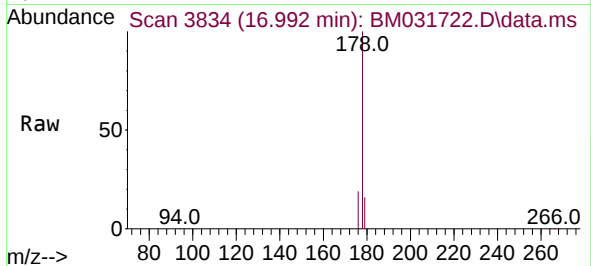
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#15  
Phenanthrene  
Concen: 2.603 ng/u1  
RT: 16.992 min Scan# 3834  
Delta R.T. -0.010 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

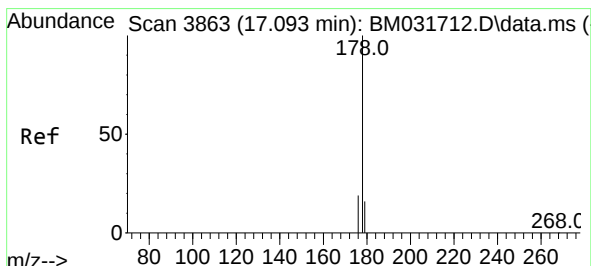
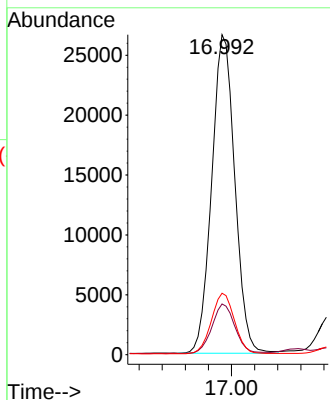
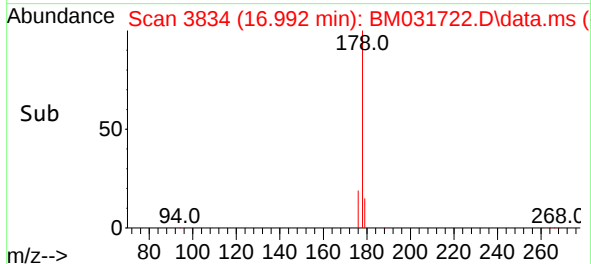
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ClientSampled :  
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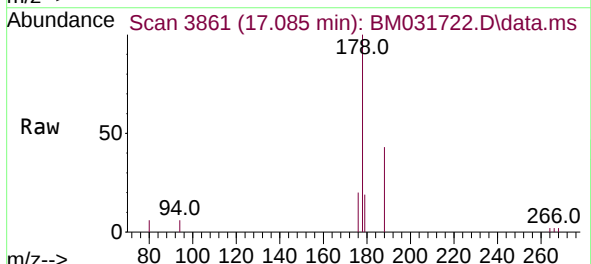
Tgt Ion:178 Resp: 37001  
Ion Ratio Lower Upper  
178 100  
179 15.9 13.3 19.9  
176 19.2 16.2 24.4

Manual Integrations  
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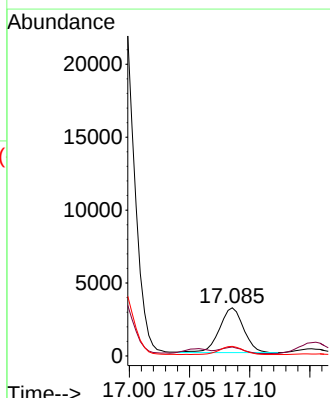
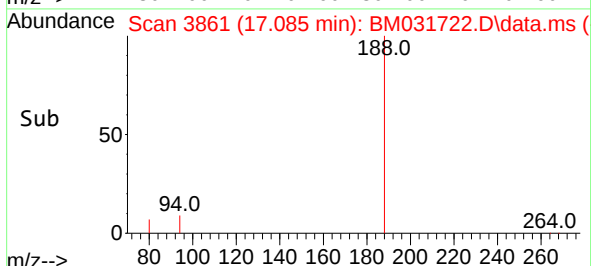
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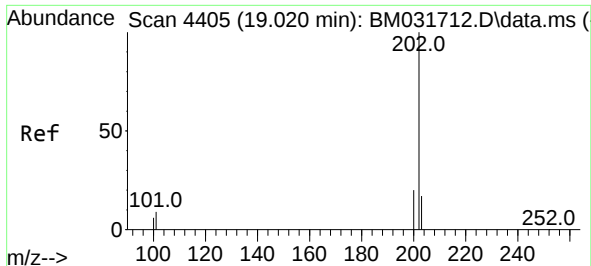


#16  
Anthracene  
Concen: 0.323 ng/u1  
RT: 17.085 min Scan# 3861  
Delta R.T. -0.010 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



Tgt Ion:178 Resp: 4294  
Ion Ratio Lower Upper  
178 100  
179 18.5 13.0 19.6  
176 20.1 15.6 23.4





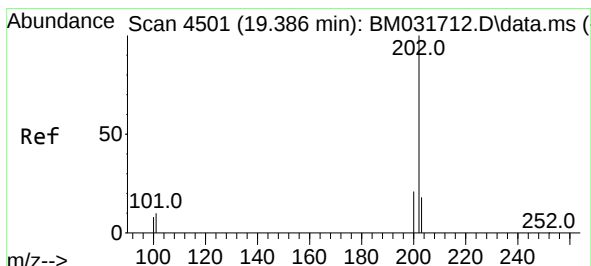
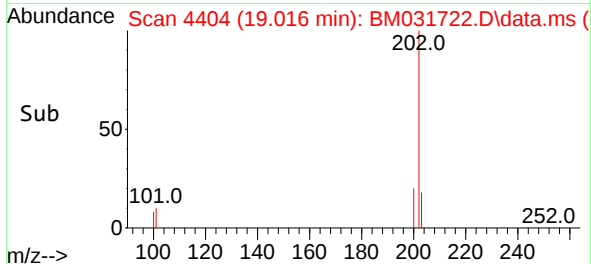
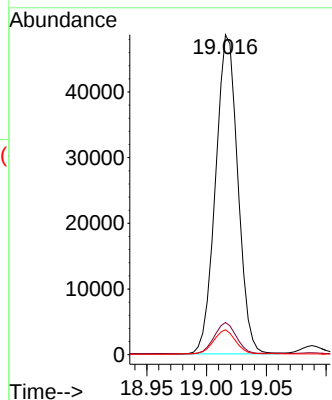
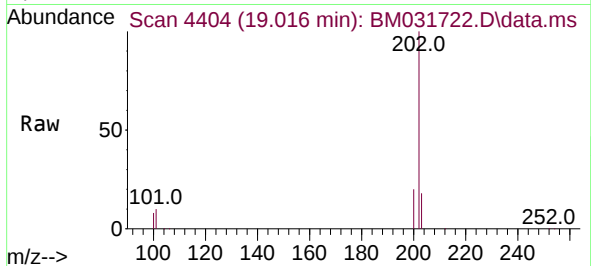
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Fluoranthene  
Concen: 3.902 ng/u1  
RT: 19.016 min Scan# 4404  
Delta R.T. -0.011 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

Tgt Ion:202 Resp: 63145  
Ion Ratio Lower Upper  
202 100  
101 10.0 6.6 10.0#  
100 7.8 5.4 8.0

Instrument :  
BNA\_M  
ClientSampleId :  
C00F0

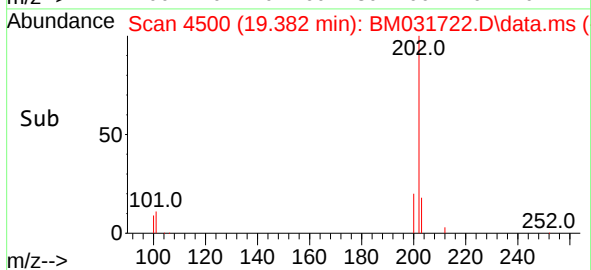
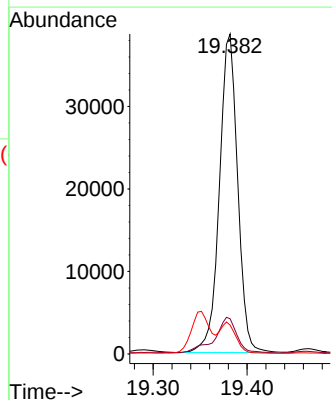
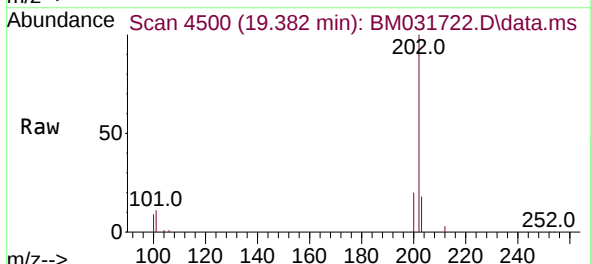
Manual Integrations  
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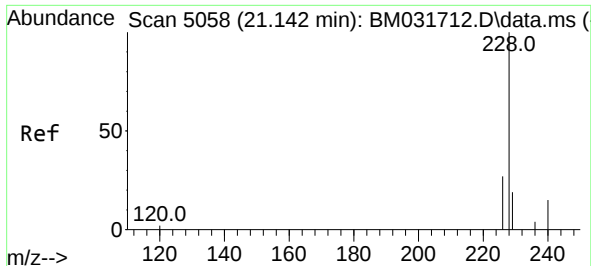
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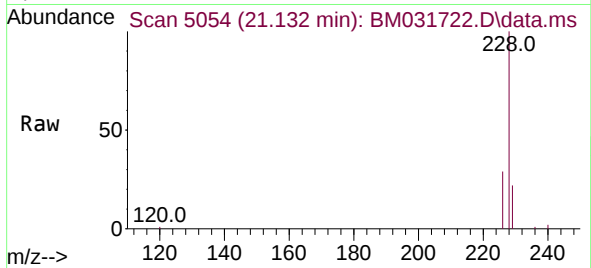
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Pyrene  
Concen: 3.170 ng/u1  
RT: 19.382 min Scan# 4500  
Delta R.T. -0.008 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

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Ion Ratio Lower Upper  
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101 11.0 7.8 11.6  
100 9.0 6.6 10.0

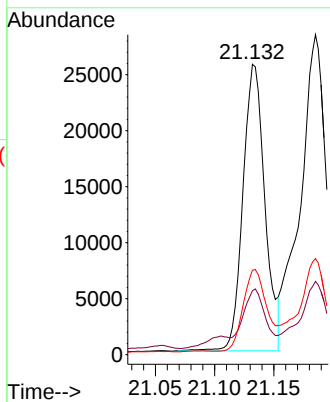
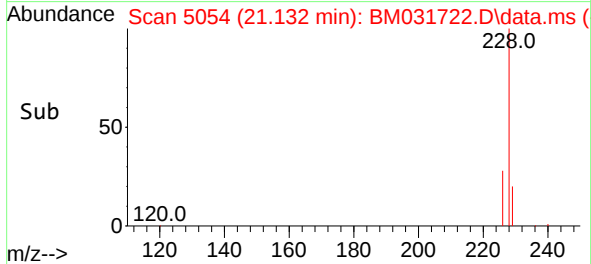




#21  
Benzo(a)anthracene  
Concen: 2.160 ng/ul  
RT: 21.132 min Scan# 5054  
Delta R.T. -0.012 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



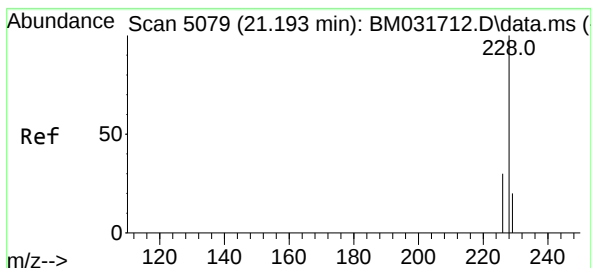
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229 22.0 15.6 23.4  
226 29.1 21.7 32.5



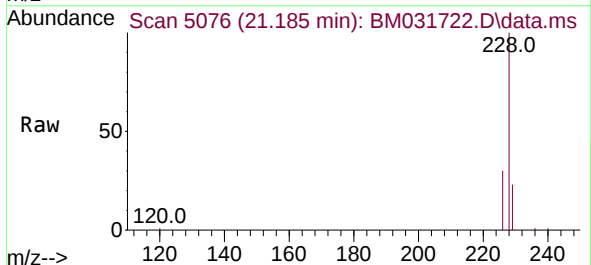
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BNA\_M  
ClientSampleId :  
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Manual Integrations  
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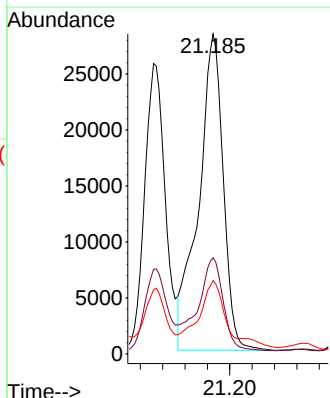
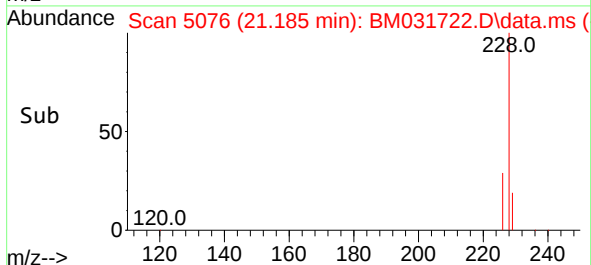
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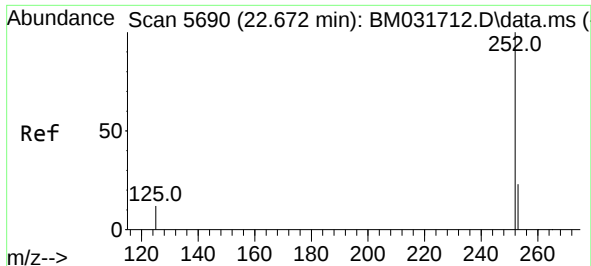


#22  
Chrysene  
Concen: 2.738 ng/ul  
RT: 21.185 min Scan# 5076  
Delta R.T. -0.010 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



Tgt Ion:228 Resp: 43347  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.7 37.1  
229 22.9 16.2 24.2





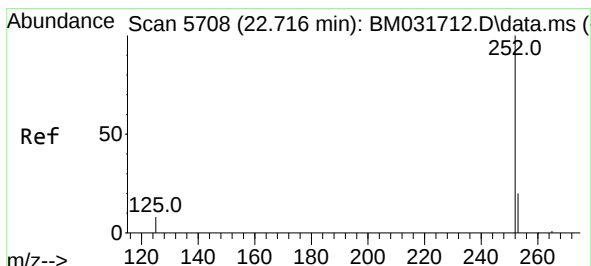
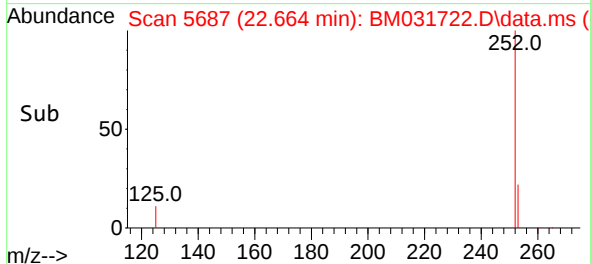
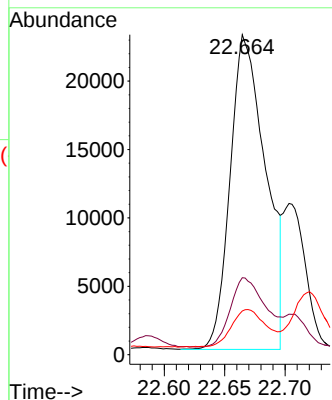
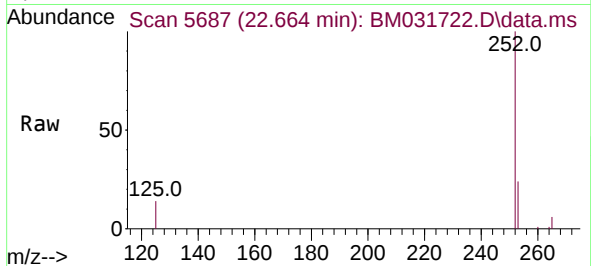
#24  
Benzo(b)fluoranthene  
Concen: 2.901 ng/ul m  
RT: 22.664 min Scan# 5687  
Delta R.T. -0.012 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 46919 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.1  | 0.0   | 53.0  |
| 125       | 13.6  | 0.0   | 22.8  |

Instrument :  
BNA\_M  
ClientSampled :  
C00F0

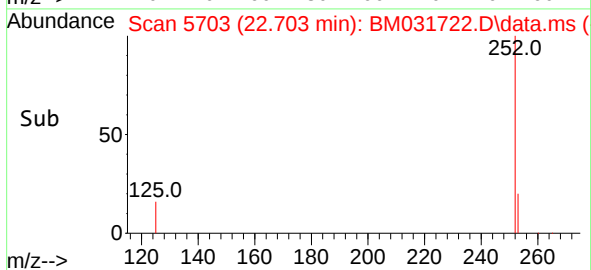
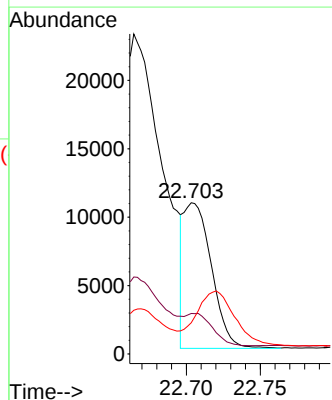
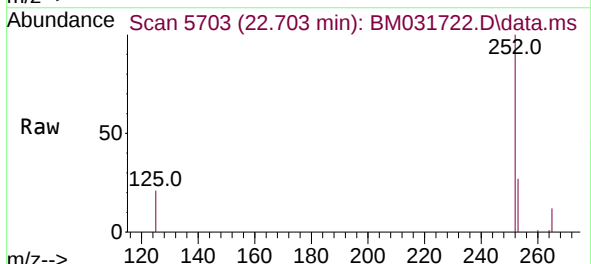
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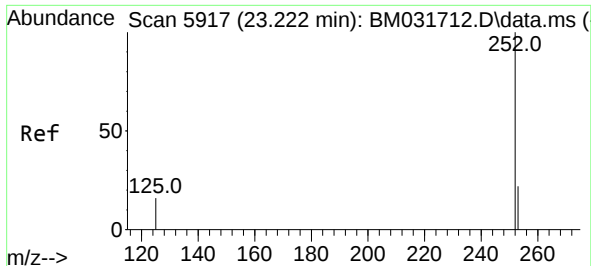
mohammad  
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#25  
Benzo(k)fluoranthene  
Concen: 0.829 ng/ul m  
RT: 22.703 min Scan# 5703  
Delta R.T. -0.017 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13858 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.8  | 21.3  | 31.9  |
| 125       | 20.6  | 8.8   | 13.2  |





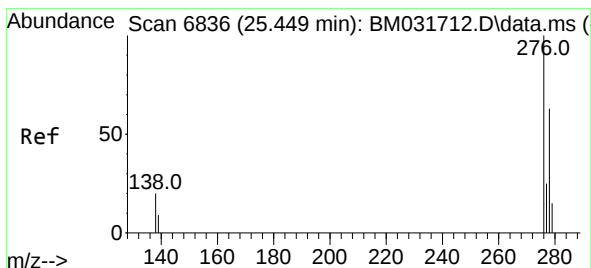
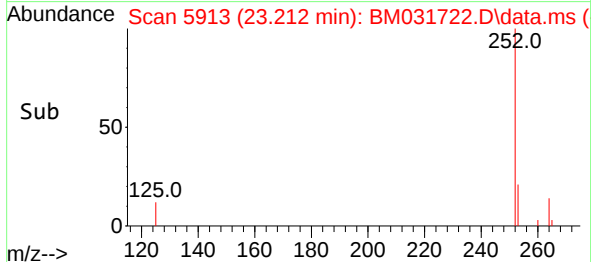
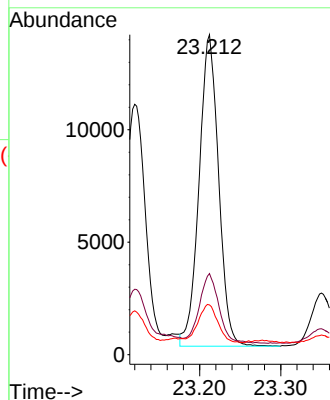
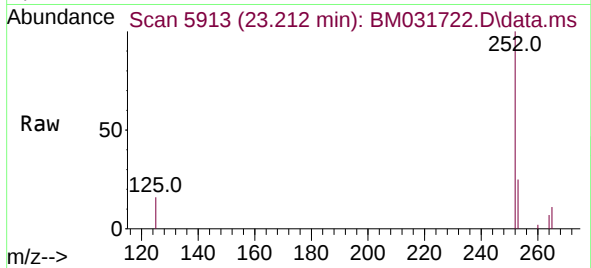
#26  
Benzo(a)pyrene  
Concen: 1.635 ng/ul  
RT: 23.212 min Scan# 5913  
Delta R.T. -0.014 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 22.4  | 33.6  |
| 125     | 15.5  | 13.0  | 19.4  |

Instrument :  
BNA\_M  
ClientSampled :  
C00F0

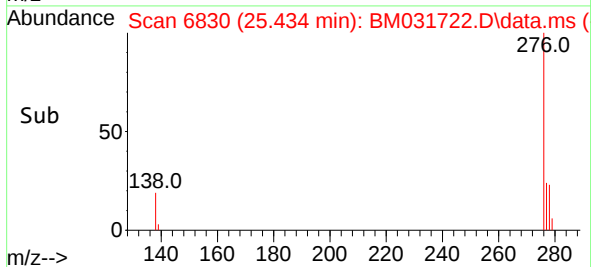
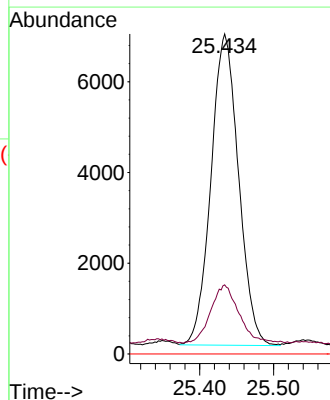
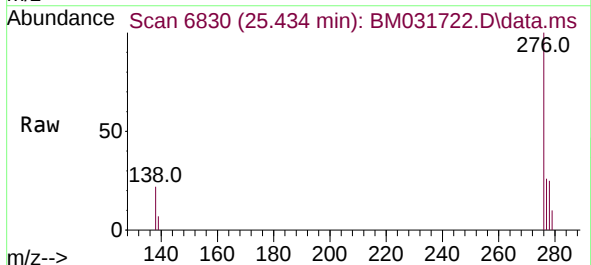
Manual Integrations  
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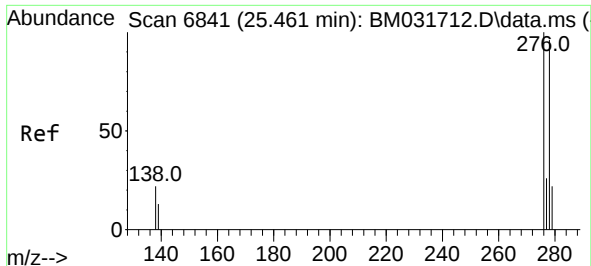
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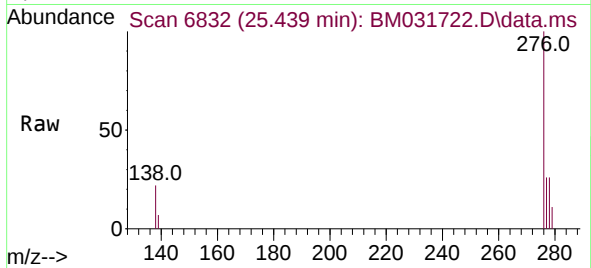
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.972 ng/ul  
RT: 25.434 min Scan# 6830  
Delta R.T. -0.027 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.9  | 15.8  | 23.8  |
| 227     | 0.0   | 0.0   | 0.0   |

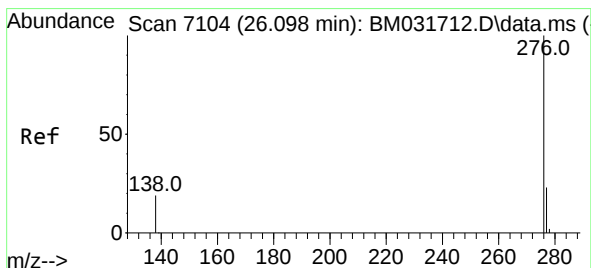
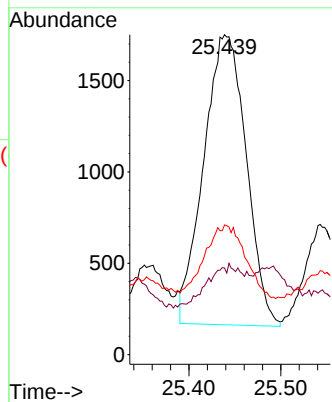
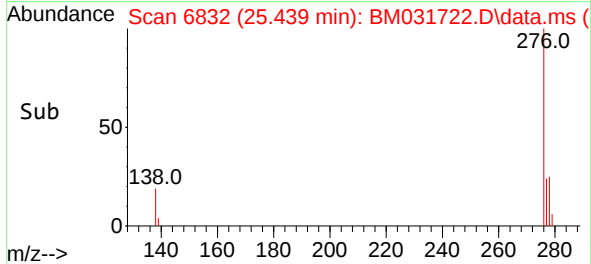




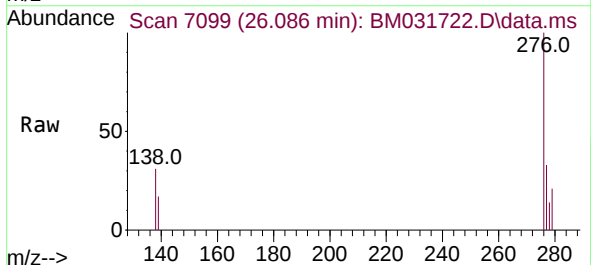
#28  
Dibenzo(a,h)anthracene  
Concen: 0.346 ng/ul  
RT: 25.439 min Scan# 6832  
Delta R.T. -0.034 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



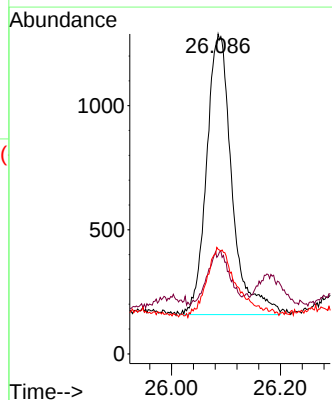
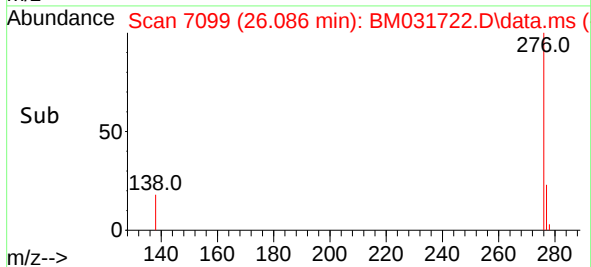
Tgt Ion: 278 Resp: 5107  
Ion Ratio Lower Upper  
278 100  
139 27.1 13.3 19.9#  
279 40.5 22.8 34.2#



#29  
Benzo(g,h,i)perylene  
Concen: 0.234 ng/ul  
RT: 26.086 min Scan# 7099  
Delta R.T. -0.022 min  
Lab File: BM031722.D  
Acq: 13 Aug 2021 19:36



Tgt Ion: 276 Resp: 3651  
Ion Ratio Lower Upper  
276 100  
138 30.7 15.4 23.2#  
277 32.7 19.9 29.9#



Instrument :  
BNA\_M  
ClientSampleId :  
C00F0

Manual Integrations  
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