

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080921\  
 Data File : BM031608.D  
 Acq On : 09 Aug 2021 18:01  
 Operator : CG/JU  
 Sample : M3169-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00A2

Manual Integrations  
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 8/10/2021 4:36:19 PM

Quant Time: Aug 10 02:49:27 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 : Tue Aug 10 02:43:39 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.580  | 152  | 1130     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.338 | 136  | 4299     | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.212 | 164  | 2770     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.961 | 188  | 4990     | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.156 | 240  | 3918     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.312 | 264  | 3884     | 0.400  | ng/ul  | # 0.00   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.186  | 96   | 8403     | 6.696  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.935 | 152  | 3328     | 0.459  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.993 | 212  | 6706     | 0.513  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.388 | 128  | 10166    | 0.794  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.007 | 142  | 6241     | 0.713  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.232 | 142  | 3646     | 0.422  | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.932 | 152  | 8785     | 0.745  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.273 | 153  | 1010     | 0.102  | ng/ul  | 96       |
| 12) Fluorene                | 15.266 | 166  | 1943     | 0.170  | ng/ul# | 94       |
| 15) Phenanthrene            | 17.003 | 178  | 77806    | 4.910  | ng/ul  | 98       |
| 16) Anthracene              | 17.093 | 178  | 18246    | 1.230  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.024 | 202  | 219836   | 13.140 | ng/ul  | 97       |
| 20) Pyrene                  | 19.390 | 202  | 180688   | 10.648 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.139 | 228  | 108403   | 6.852  | ng/ul  | 98       |
| 22) Chrysene                | 21.193 | 228  | 108461   | 6.626  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.674 | 252  | 140072m  | 8.004  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.713 | 252  | 54782m   | 3.030  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.222 | 252  | 96886m   | 6.322  | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.444 | 276  | 63175    | 3.189  | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.451 | 278  | 16094    | 1.008  | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 26.098 | 276  | 50094    | 2.964  | ng/ul  | 99       |
| -----                       |        |      |          |        |        |          |

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

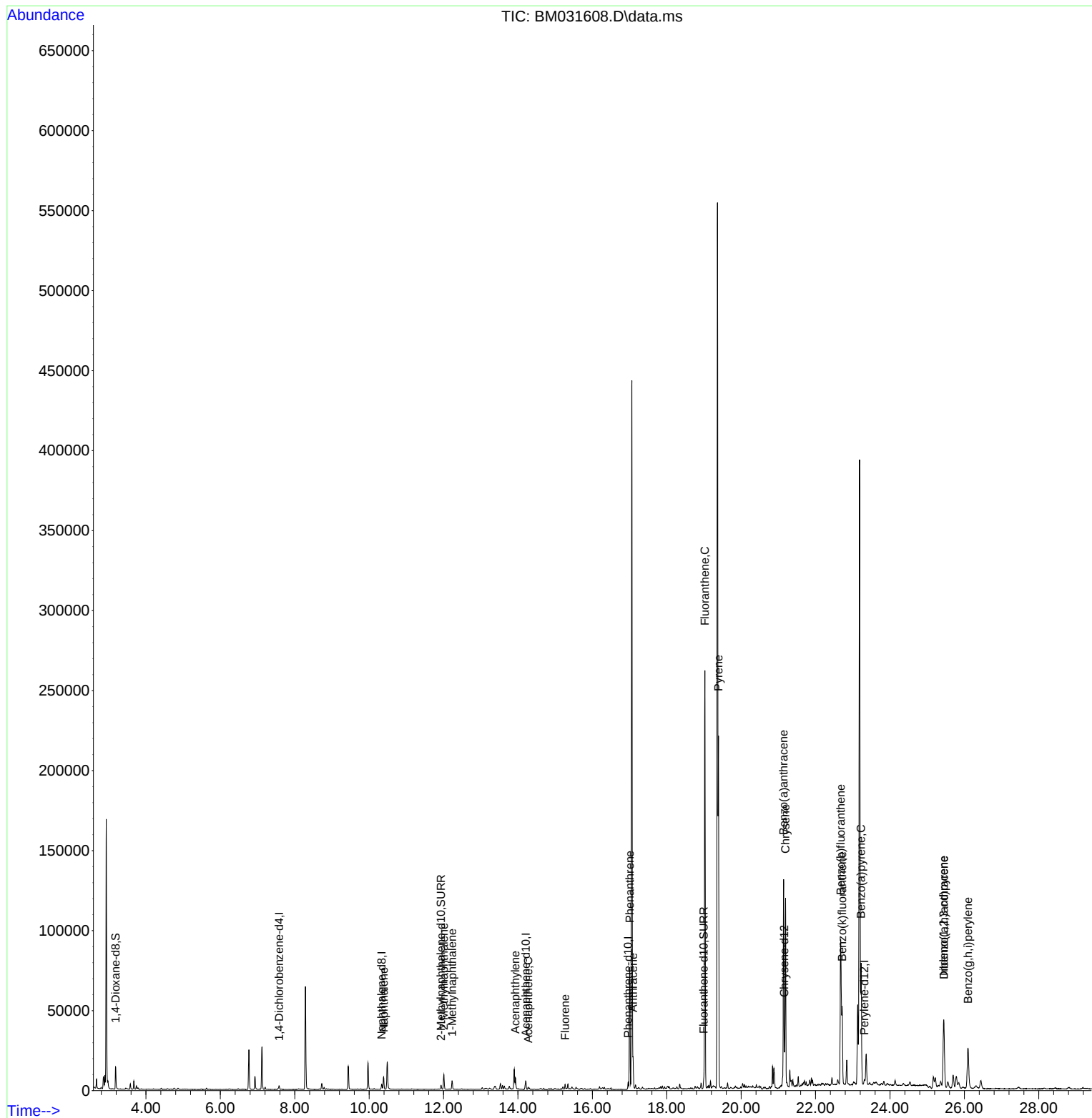
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Data File : BM031608.D  
Acq On : 09 Aug 2021 18:01  
Operator : CG/JU  
Sample : M3169-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

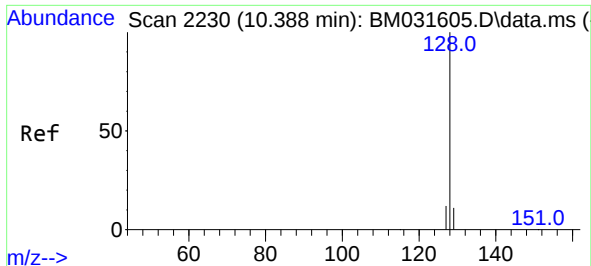
Instrument :  
BNA\_M  
ClientSampleId :  
C00A2

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Quant Time: Aug 10 02:49:27 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 : Tue Aug 10 02:43:39 2021  
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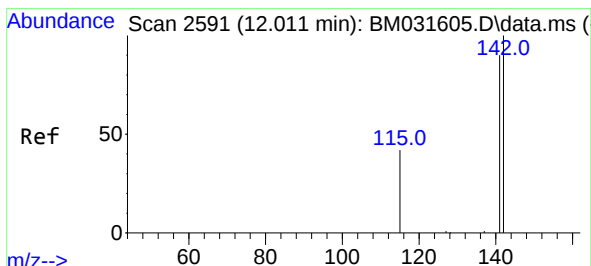
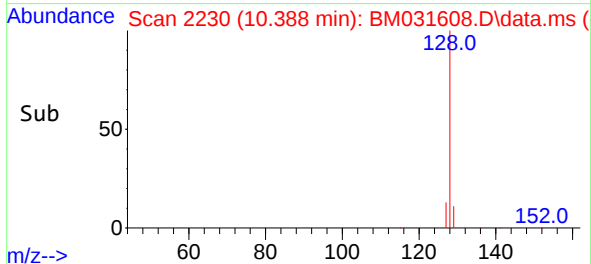
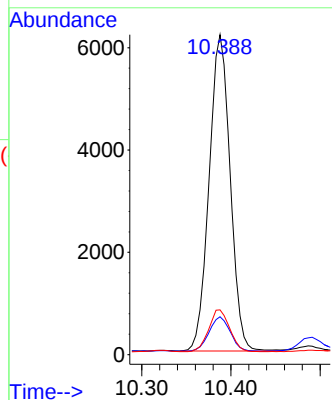
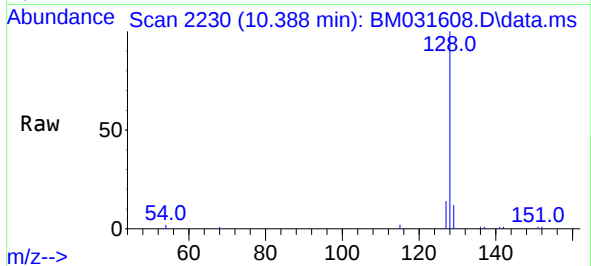
#5  
Naphthalene  
Concen: 0.794 ng/ul  
RT: 10.388 min Scan# 2230  
Delta R.T. -0.000 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 10166 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.8  | 10.0  | 15.0  |
| 127       | 14.0  | 11.6  | 17.4  |

Instrument :  
BNA\_M  
ClientSampled :  
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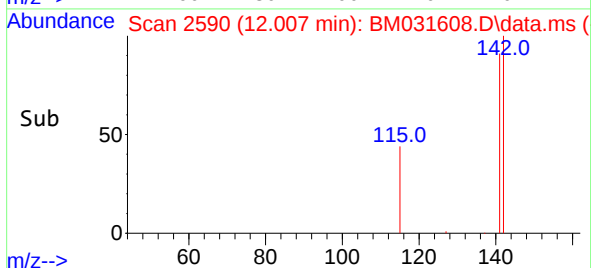
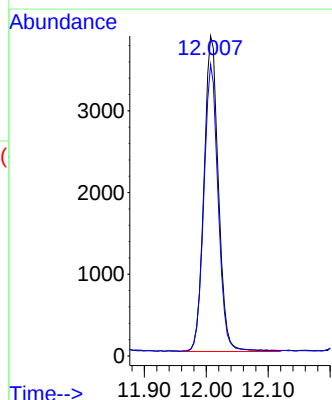
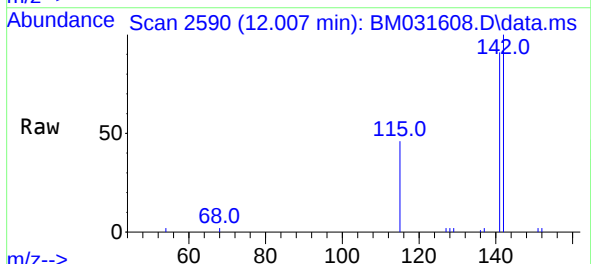
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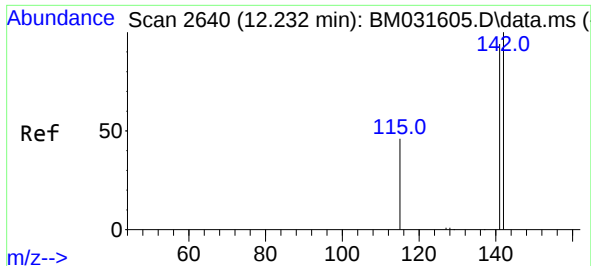
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#7  
2-Methylnaphthalene  
Concen: 0.713 ng/ul  
RT: 12.007 min Scan# 2590  
Delta R.T. -0.005 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 6241  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 90.2  | 71.4  | 107.0 |





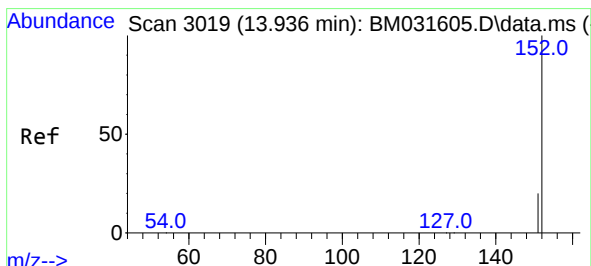
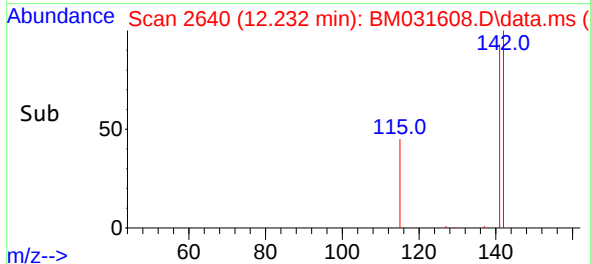
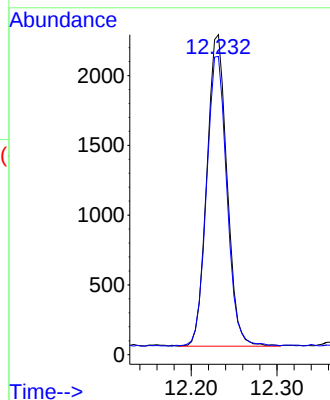
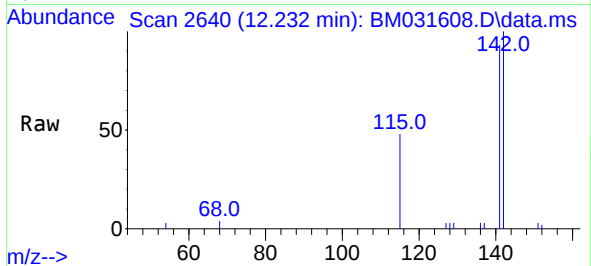
#8  
1-Methylnaphthalene  
Concen: 0.422 ng/ul  
RT: 12.232 min Scan# 2640  
Delta R.T. -0.000 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

Tgt Ion:142 Resp: 3646  
Ion Ratio Lower Upper  
142 100  
141 94.2 74.1 111.1

Instrument :  
BNA\_M  
ClientSampled :  
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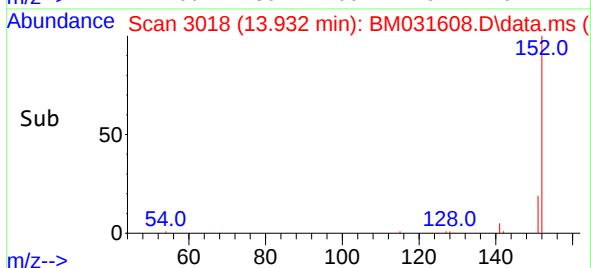
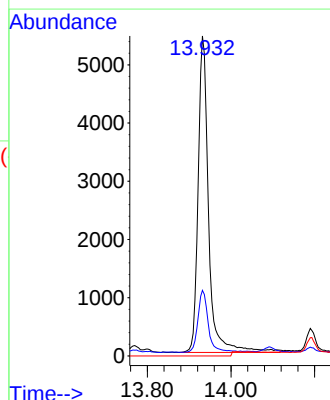
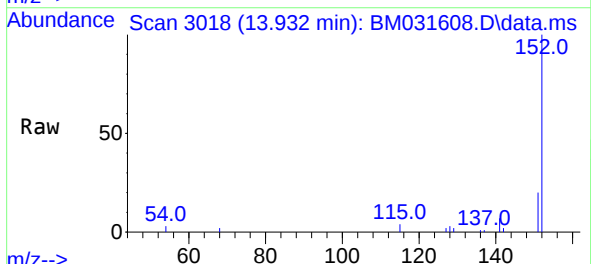
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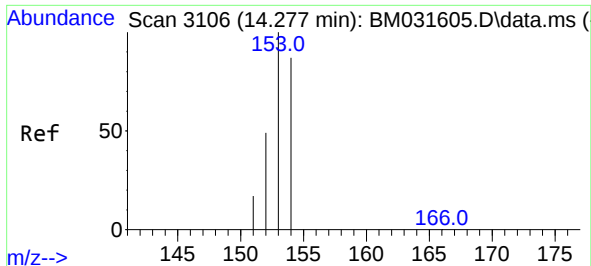
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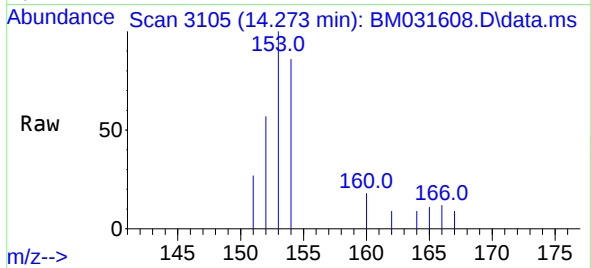
#10  
Acenaphthylene  
Concen: 0.745 ng/ul  
RT: 13.932 min Scan# 3018  
Delta R.T. -0.000 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

Tgt Ion:152 Resp: 8785  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.9 25.3  
153 0.0 0.0 0.0

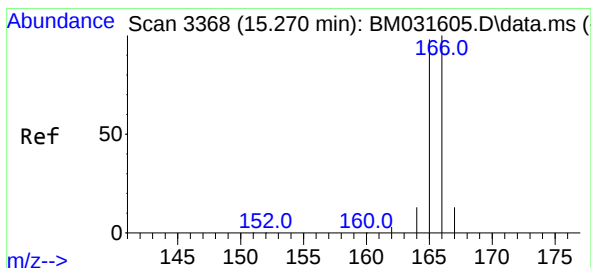
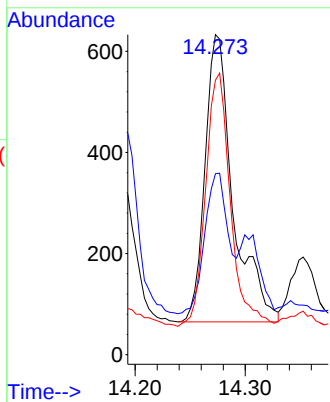
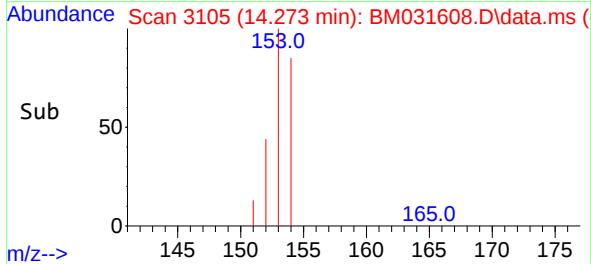




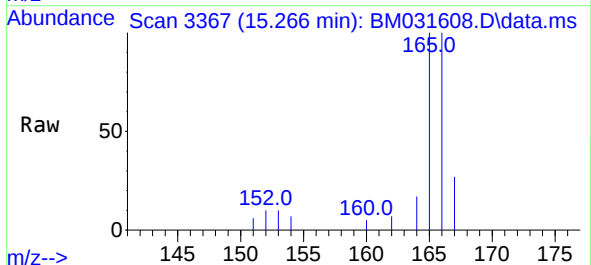
#11  
Acenaphthene  
Concen: 0.102 ng/ul  
RT: 14.273 min Scan# 3105  
Delta R.T. -0.004 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



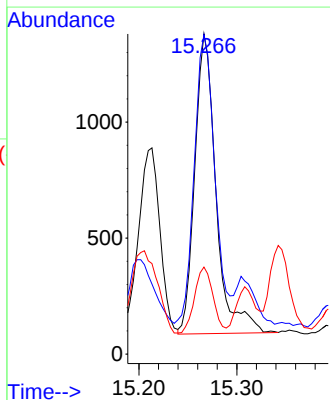
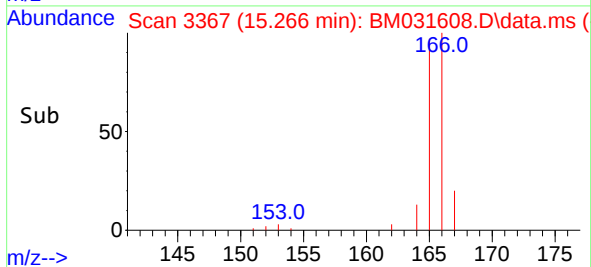
Tgt Ion:153 Resp: 1010  
Ion Ratio Lower Upper  
153 100  
152 56.6 40.7 61.1  
154 85.8 70.2 105.2



#12  
Fluorene  
Concen: 0.170 ng/ul  
RT: 15.266 min Scan# 3367  
Delta R.T. -0.004 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



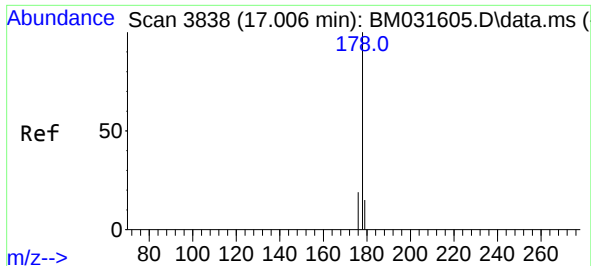
Tgt Ion:166 Resp: 1943  
Ion Ratio Lower Upper  
166 100  
165 99.8 78.0 117.0  
167 27.2 12.0 18.0#



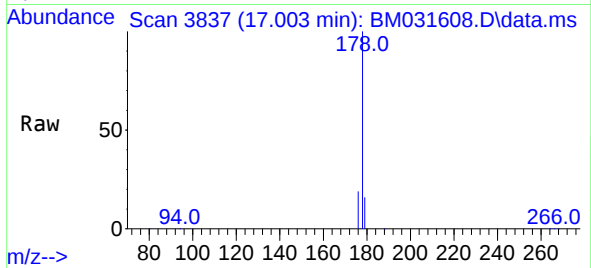
Instrument :  
BNA\_M  
ClientSampled :  
C00A2

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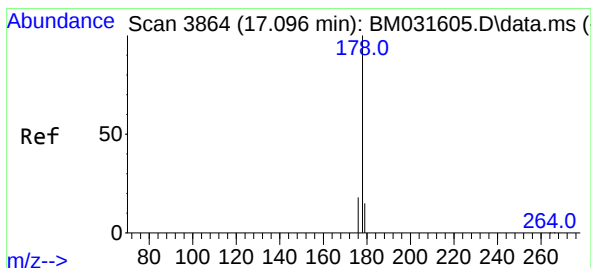
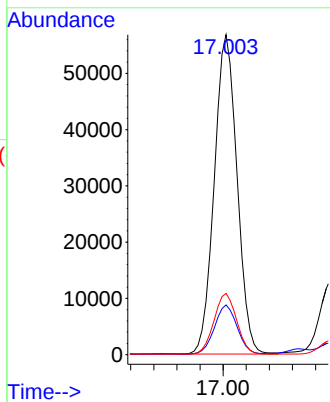
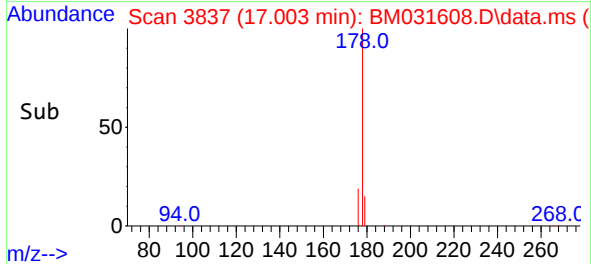
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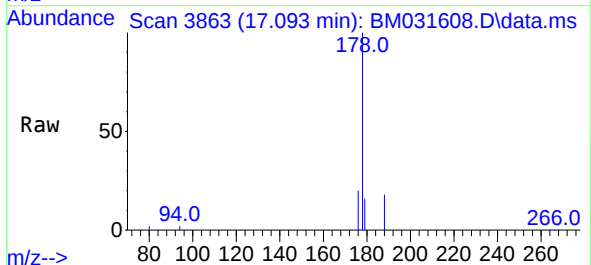
#15  
Phenanthrene  
Concen: 4.910 ng/ul  
RT: 17.003 min Scan# 3837  
Delta R.T. -0.007 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



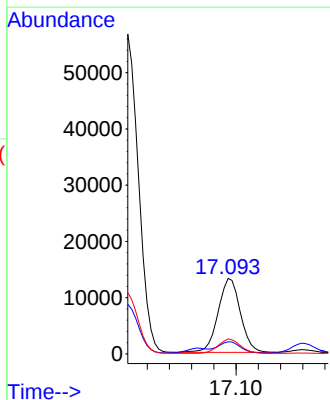
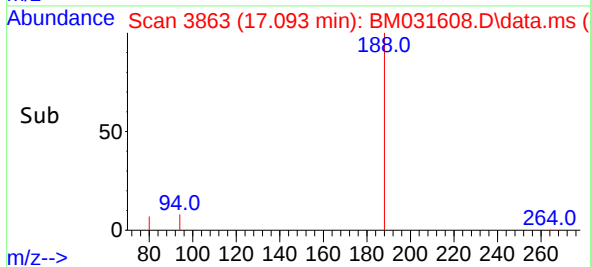
Tgt Ion:178 Resp: 77806  
Ion Ratio Lower Upper  
178 100  
179 15.5 13.3 19.9  
176 19.2 16.2 24.4



#16  
Anthracene  
Concen: 1.230 ng/ul  
RT: 17.093 min Scan# 3863  
Delta R.T. -0.010 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



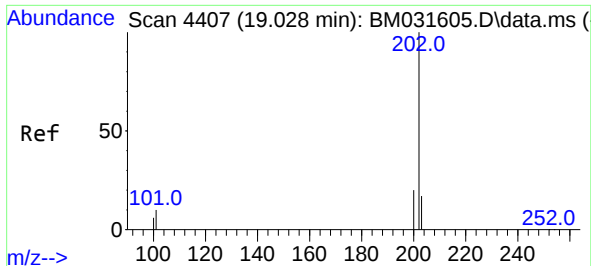
Tgt Ion:178 Resp: 18246  
Ion Ratio Lower Upper  
178 100  
179 16.1 13.0 19.6  
176 20.0 15.6 23.4



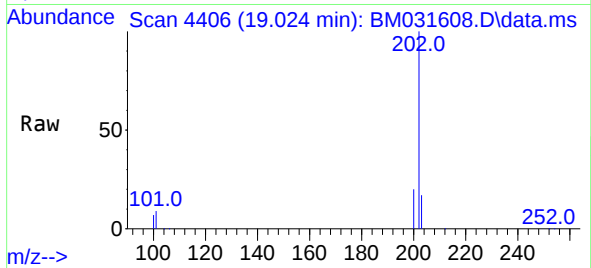
Instrument :  
BNA\_M  
ClientSampled :  
C00A2

Manual Integrations  
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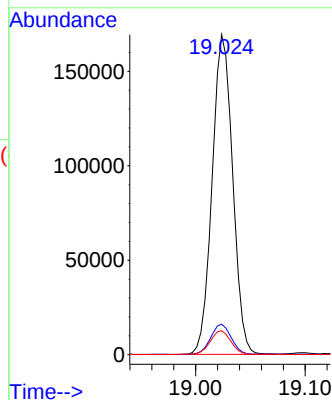
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#19  
Fluoranthene  
Concen: 13.140 ng/ul  
RT: 19.024 min Scan# 4406  
Delta R.T. -0.004 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



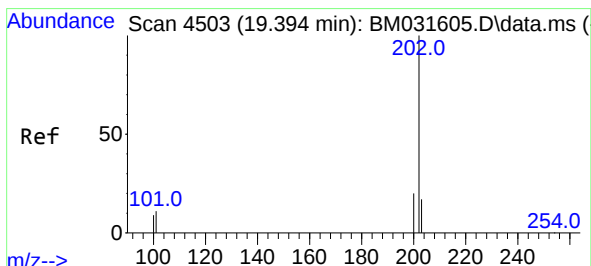
Tgt Ion:202 Resp: 219836  
Ion Ratio Lower Upper  
202 100  
101 9.5 6.6 10.0  
100 7.5 5.4 8.0



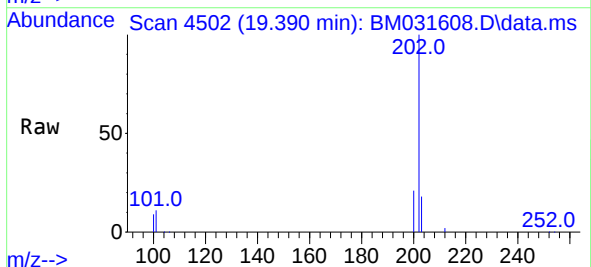
Instrument :  
BNA\_M  
ClientSampled :  
C00A2

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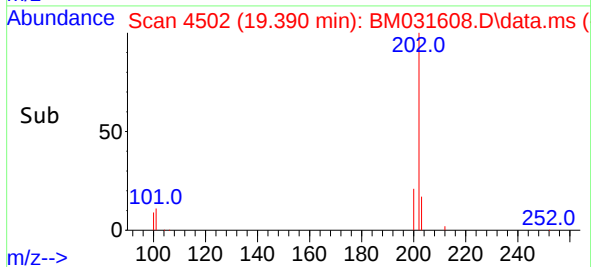
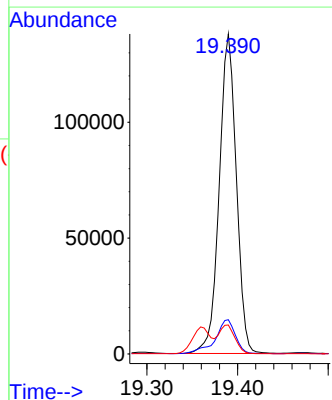
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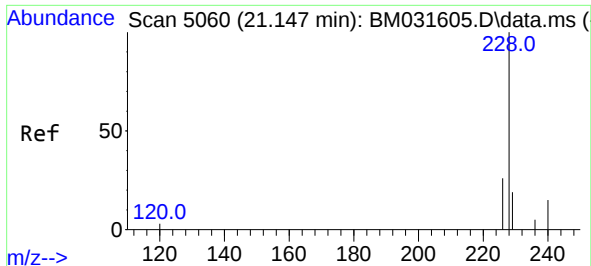


#20  
Pyrene  
Concen: 10.648 ng/ul  
RT: 19.390 min Scan# 4502  
Delta R.T. -0.004 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



Tgt Ion:202 Resp: 180688  
Ion Ratio Lower Upper  
202 100  
101 10.7 7.8 11.6  
100 9.0 6.6 10.0





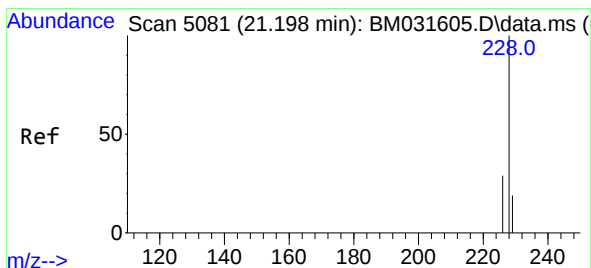
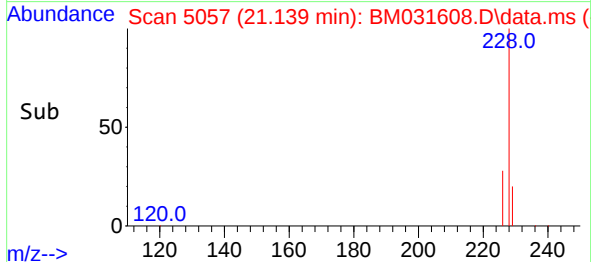
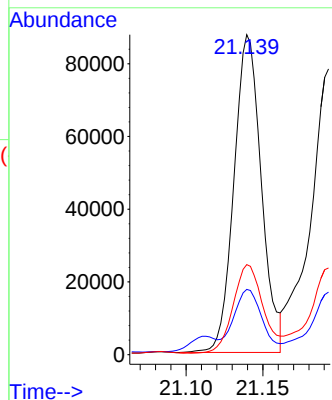
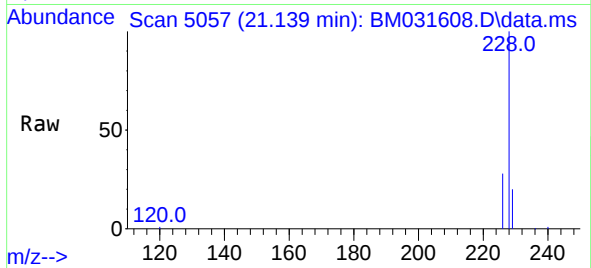
#21  
Benzo(a)anthracene  
Concen: 6.852 ng/u1  
RT: 21.139 min Scan# 5057  
Delta R.T. -0.007 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 108403 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 20.4  | 15.6  | 23.4   |
| 226       | 28.2  | 21.7  | 32.5   |

Instrument :  
BNA\_M  
ClientSampled :  
C00A2

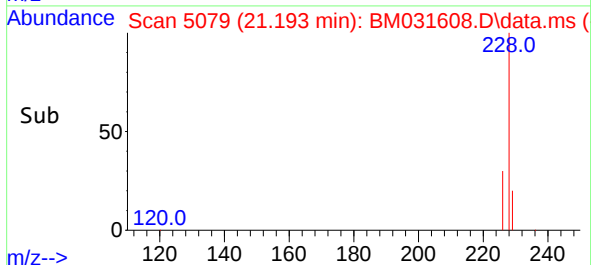
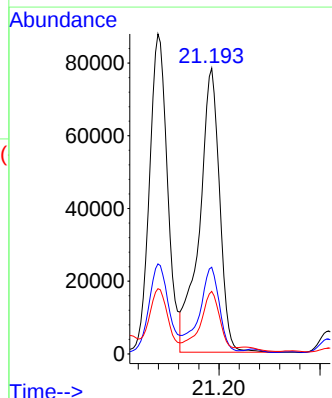
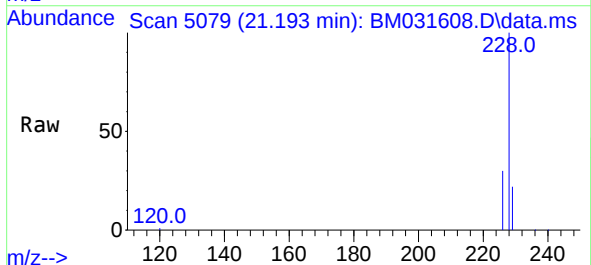
Manual Integrations  
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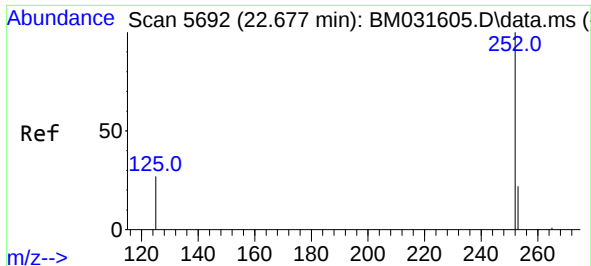
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#22  
Chrysene  
Concen: 6.626 ng/u1  
RT: 21.193 min Scan# 5079  
Delta R.T. -0.002 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 108461 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.3  | 24.7  | 37.1   |
| 229       | 21.9  | 16.2  | 24.2   |





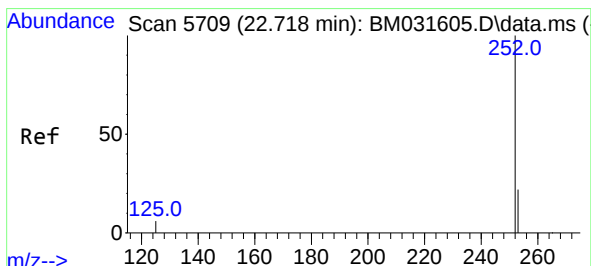
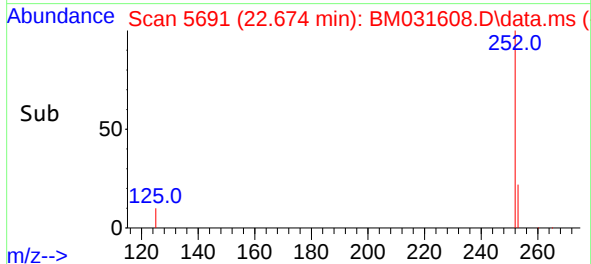
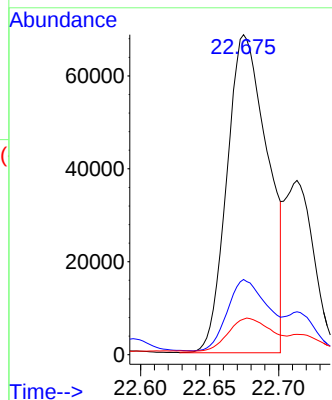
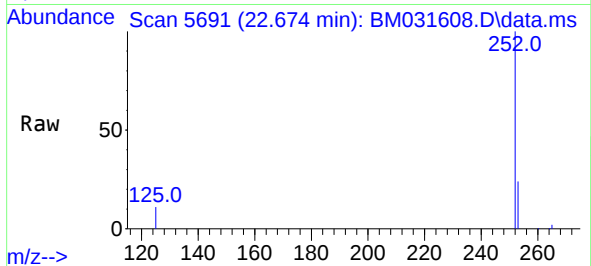
#24  
Benzo(b)fluoranthene  
Concen: 8.004 ng/ul m  
RT: 22.674 min Scan# 5691  
Delta R.T. -0.002 min  
Lab File: BM031608.D  
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Tgt Ion:252 Resp: 140072  
Ion Ratio Lower Upper  
252 100  
253 23.5 0.0 53.0  
125 11.1 0.0 22.8

Instrument :  
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ClientSampled :  
C00A2

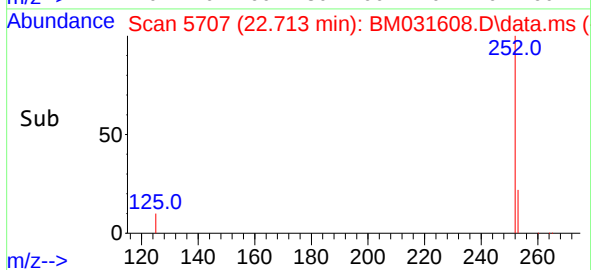
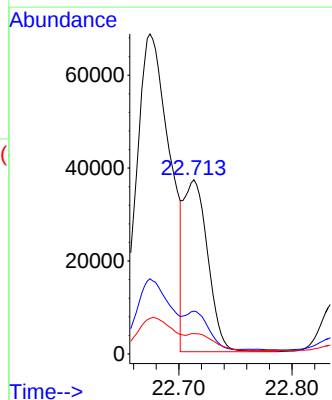
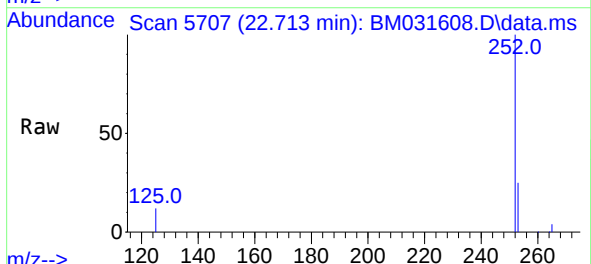
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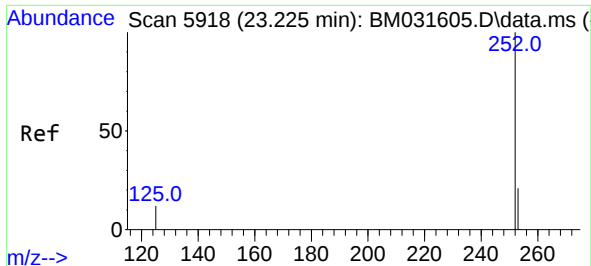
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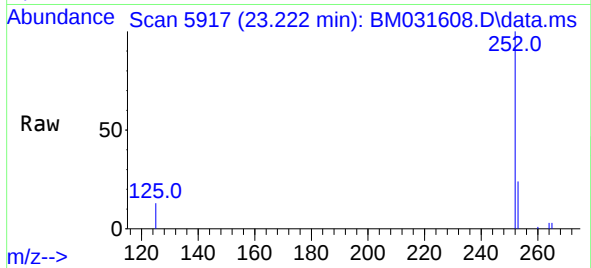
#25  
Benzo(k)fluoranthene  
Concen: 3.030 ng/ul m  
RT: 22.713 min Scan# 5707  
Delta R.T. -0.007 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

Tgt Ion:252 Resp: 54782  
Ion Ratio Lower Upper  
252 100  
253 24.6 21.3 31.9  
125 11.7 8.8 13.2

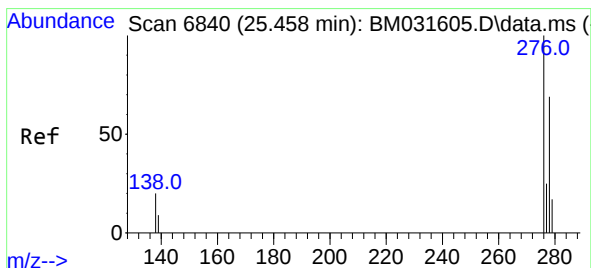
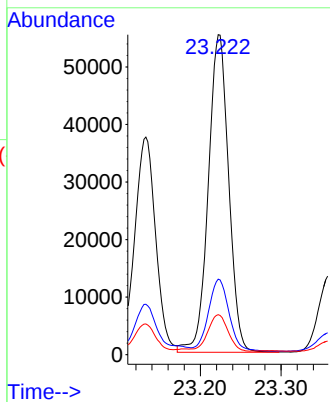
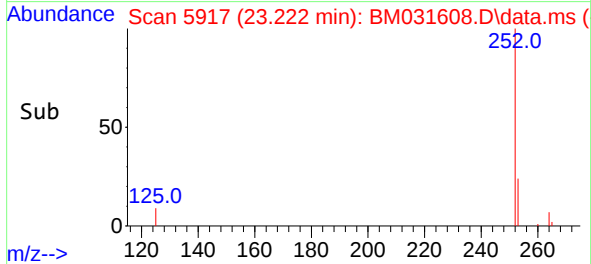




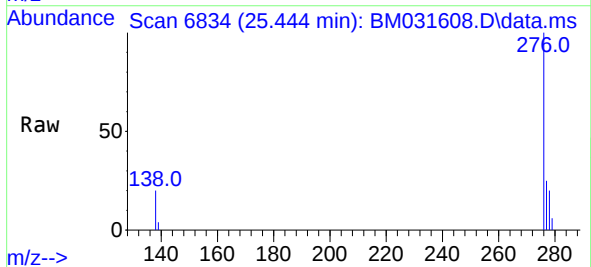
#26  
Benzo(a)pyrene  
Concen: 6.322 ng/ul m  
RT: 23.222 min Scan# 5917  
Delta R.T. -0.002 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



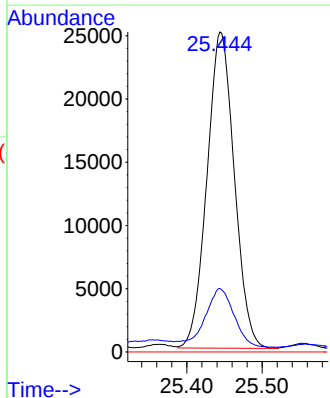
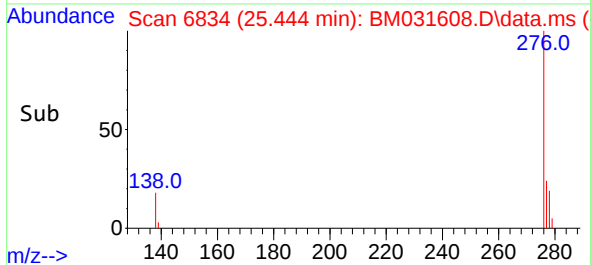
Tgt Ion:252 Resp: 96886  
Ion Ratio Lower Upper  
252 100  
253 23.6 22.4 33.6  
125 12.5 13.0 19.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 3.189 ng/ul  
RT: 25.444 min Scan# 6834  
Delta R.T. -0.010 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01



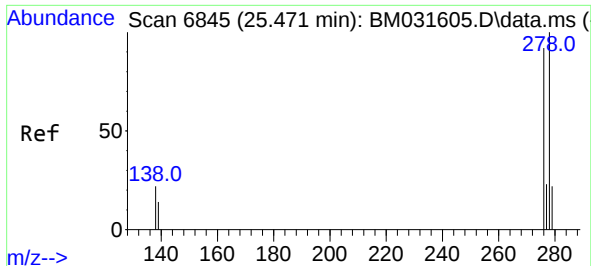
Tgt Ion:276 Resp: 63175  
Ion Ratio Lower Upper  
276 100  
138 19.2 15.8 23.8  
227 0.0 0.0 0.0



Instrument :  
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ClientSampled :  
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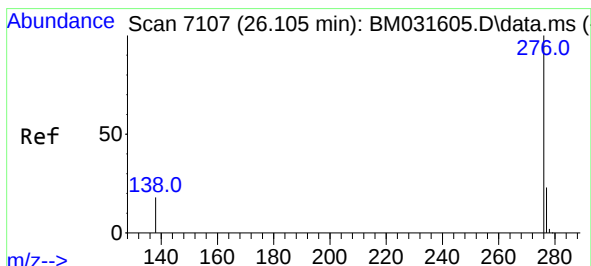
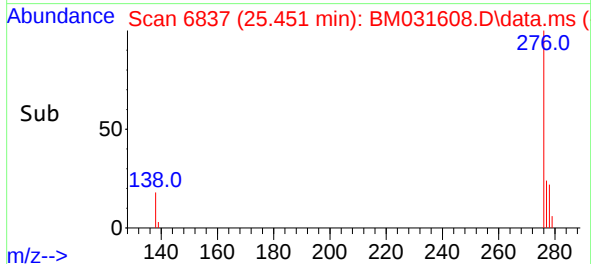
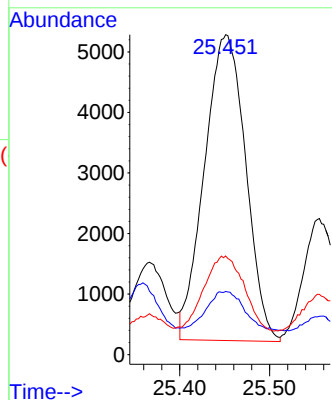
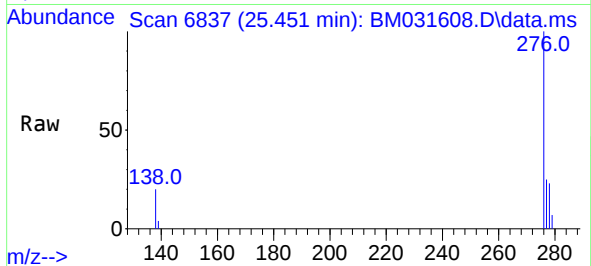
#28  
Dibenzo(a,h)anthracene  
Concen: 1.008 ng/ul  
RT: 25.451 min Scan# 6837  
Delta R.T. -0.017 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 16094 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 19.8  | 13.3  | 19.9  |
| 279       | 30.9  | 22.8  | 34.2  |

Instrument :  
BNA\_M  
ClientSampled :  
C00A2

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#29  
Benzo(g,h,i)perylene  
Concen: 2.964 ng/ul  
RT: 26.098 min Scan# 7104  
Delta R.T. -0.000 min  
Lab File: BM031608.D  
Acq: 09 Aug 2021 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 50094 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 20.3  | 15.4  | 23.2  |
| 277       | 24.6  | 19.9  | 29.9  |

