

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080521\  
 Data File : BM031546.D  
 Acq On : 07 Aug 2021 11:44  
 Operator : CG/JU  
 Sample : M3124-13DL 5X  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0094DL

Manual Integrations  
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Quant Time: Aug 08 04:01:12 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 06 18:39:21 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.583  | 152  | 1526     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.347 | 136  | 5612     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.216 | 164  | 3062     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.968 | 188  | 5792     | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.159 | 240  | 4573     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.317 | 264  | 4492     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.192  | 96   | 1377     | 0.812 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.939 | 152  | 596      | 0.063 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.997 | 212  | 1125     | 0.074 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.392 | 128  | 1293     | 0.077 | ng/ul# | 88       |
| 7) 2-Methylnaphthalene      | 12.016 | 142  | 981      | 0.086 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.236 | 142  | 644      | 0.057 | ng/ul  | 96       |
| 10) Acenaphthylene          | 13.936 | 152  | 3185     | 0.244 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.281 | 153  | 566      | 0.052 | ng/ul  | 95       |
| 12) Fluorene                | 15.270 | 166  | 1087     | 0.086 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.009 | 178  | 30457    | 1.656 | ng/ul  | 97       |
| 16) Anthracene              | 17.100 | 178  | 8646     | 0.502 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.028 | 202  | 94670    | 4.848 | ng/ul  | 97       |
| 20) Pyrene                  | 19.394 | 202  | 70331    | 3.551 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.144 | 228  | 36725    | 1.989 | ng/ul  | 97       |
| 22) Chrysene                | 21.195 | 228  | 43376    | 2.270 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.679 | 252  | 56155m   | 2.775 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.716 | 252  | 18750m   | 0.897 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.222 | 252  | 24529    | 1.384 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.451 | 276  | 21527    | 0.940 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.461 | 278  | 5923     | 0.321 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 26.103 | 276  | 1538     | 0.079 | ng/ul# | 49       |
| -----                       |        |      |          |       |        |          |

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

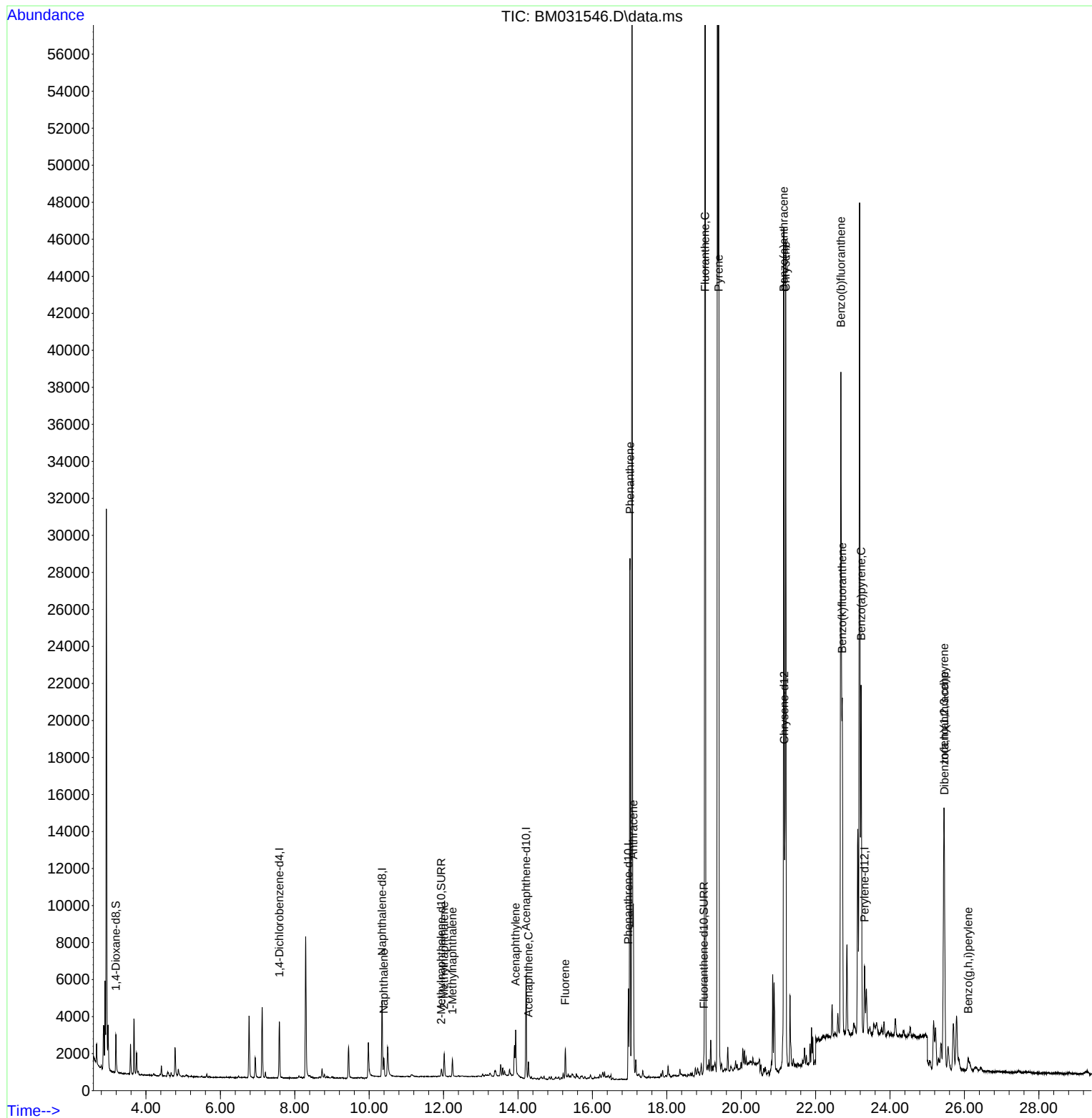
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Data File : BM031546.D  
Acq On : 07 Aug 2021 11:44  
Operator : CG/JU  
Sample : M3124-13DL 5X  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

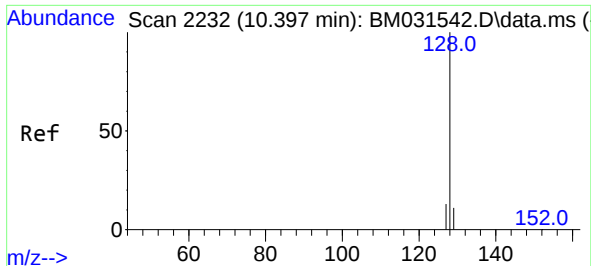
Instrument :  
BNA\_M  
ClientSampleId :  
C0094DL

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Quant Time: Aug 08 04:01:12 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 06 18:39:21 2021  
Response via : Initial Calibration





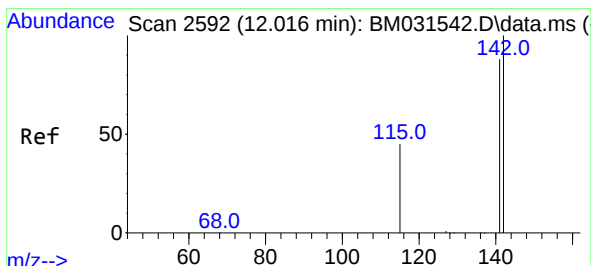
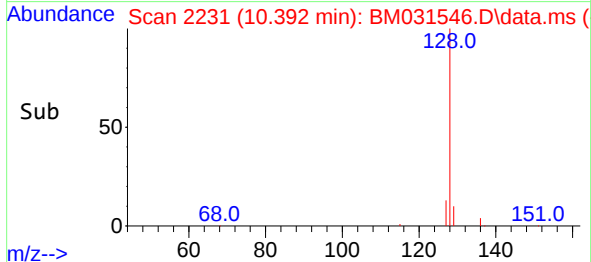
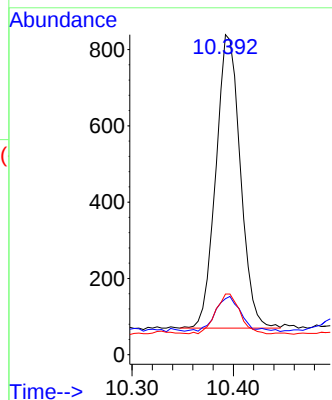
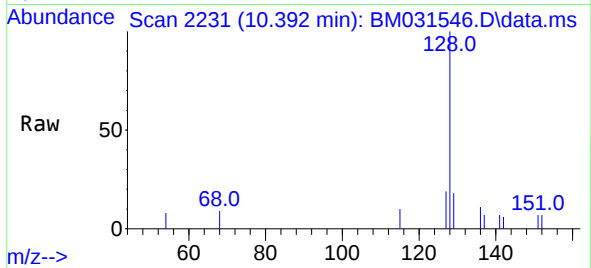
#5  
Naphthalene  
Concen: 0.077 ng/ul  
RT: 10.392 min Scan# 2231  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 1293  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 17.5  | 10.0  | 15.0# |
| 127       | 19.0  | 11.6  | 17.4# |

Instrument :  
BNA\_M  
ClientSampled :  
C0094DL

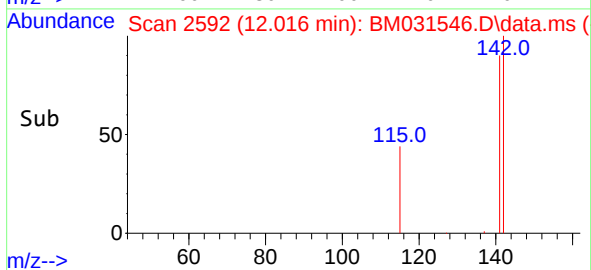
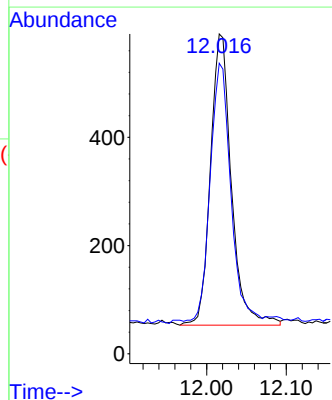
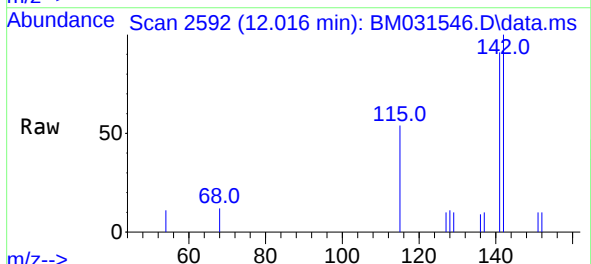
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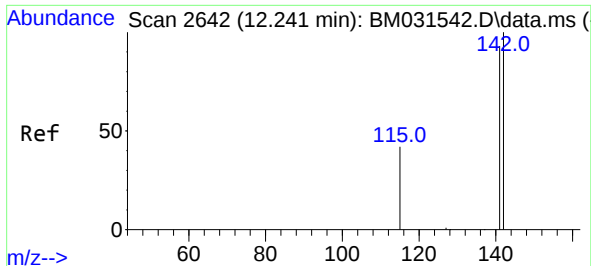
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#7  
2-Methylnaphthalene  
Concen: 0.086 ng/ul  
RT: 12.016 min Scan# 2592  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 981   |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 87.7  | 71.4  | 107.0 |





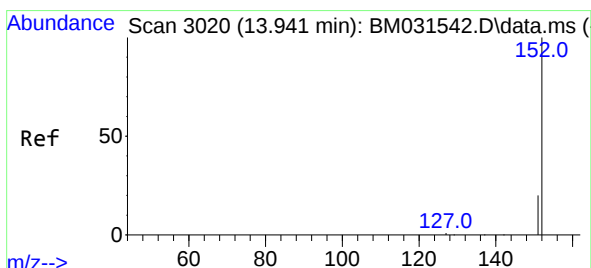
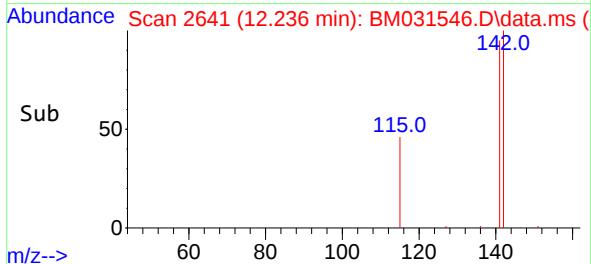
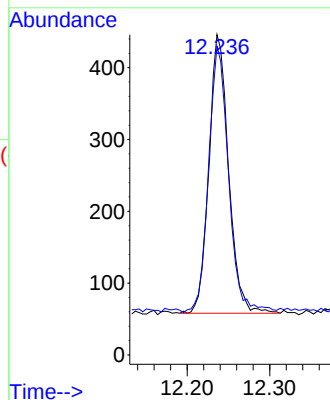
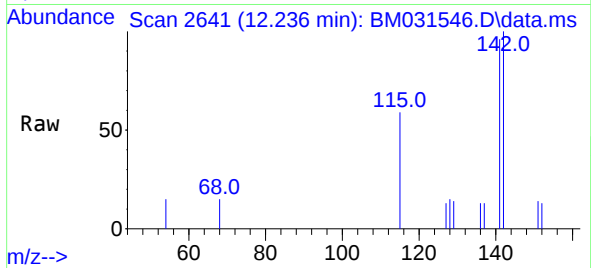
#8  
1-Methylnaphthalene  
Concen: 0.057 ng/ul  
RT: 12.236 min Scan# 2641  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

Tgt Ion:142 Resp: 644  
Ion Ratio Lower Upper  
142 100  
141 96.7 74.1 111.1

Instrument :  
BNA\_M  
ClientSampled :  
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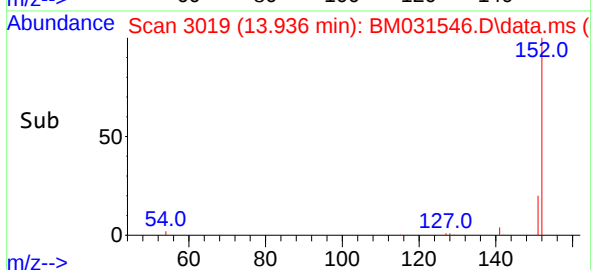
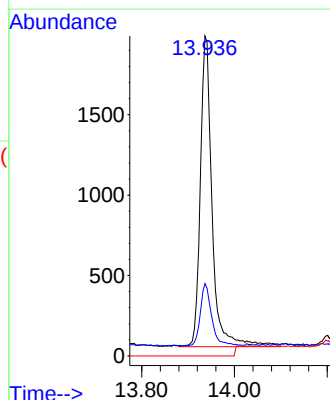
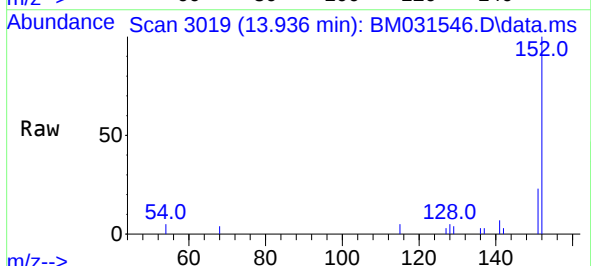
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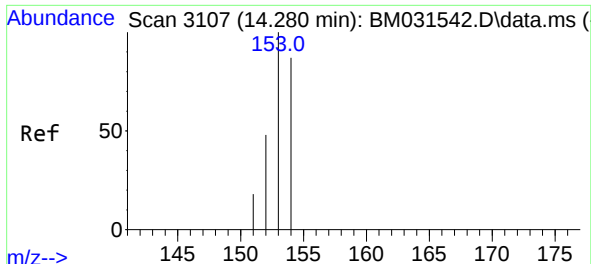
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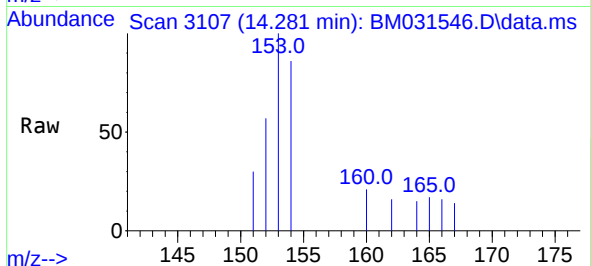
#10  
Acenaphthylene  
Concen: 0.244 ng/ul  
RT: 13.936 min Scan# 3019  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

Tgt Ion:152 Resp: 3185  
Ion Ratio Lower Upper  
152 100  
151 22.6 16.9 25.3  
153 0.0 0.0 0.0

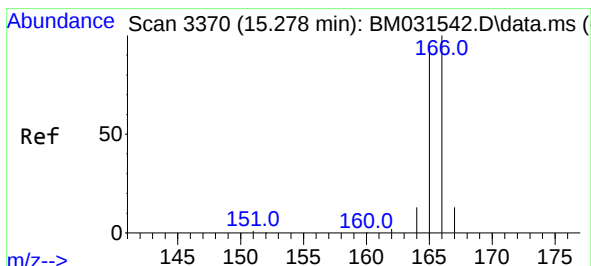
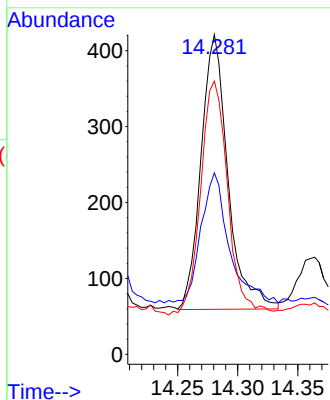
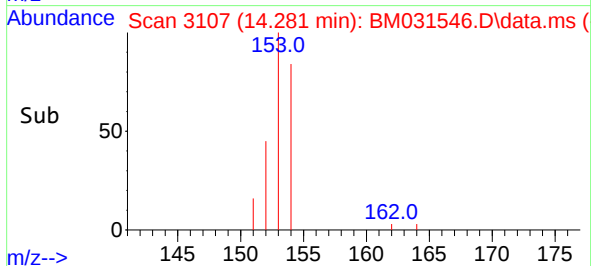




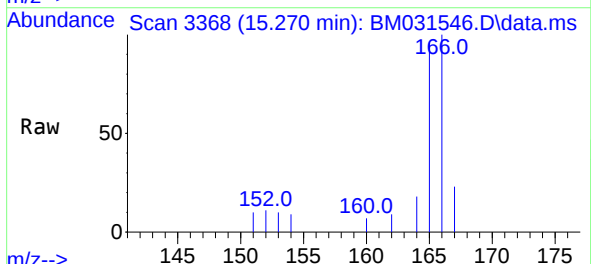
#11  
Acenaphthene  
Concen: 0.052 ng/ul  
RT: 14.281 min Scan# 3107  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44



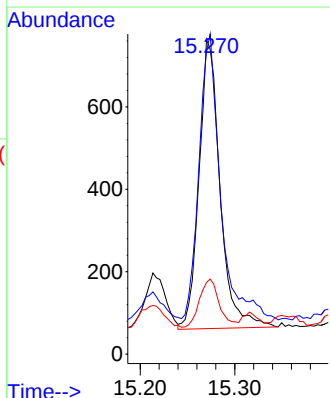
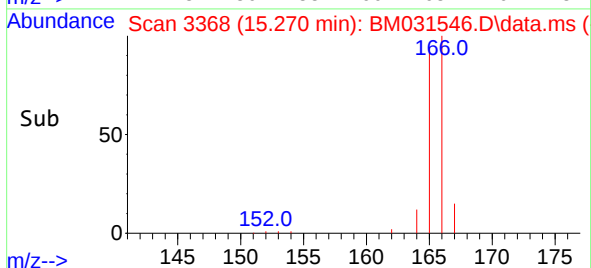
Tgt Ion:153 Resp: 566  
Ion Ratio Lower Upper  
153 100  
152 56.8 40.7 61.1  
154 85.5 70.2 105.2



#12  
Fluorene  
Concen: 0.086 ng/ul  
RT: 15.270 min Scan# 3368  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44



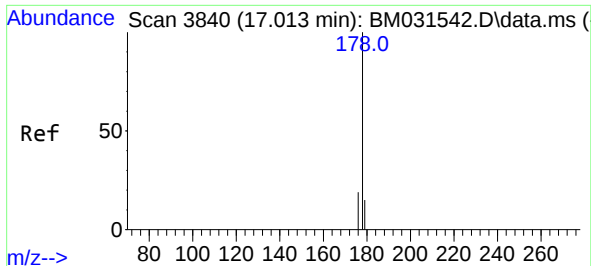
Tgt Ion:166 Resp: 1087  
Ion Ratio Lower Upper  
166 100  
165 96.2 78.0 117.0  
167 22.8 12.0 18.0#



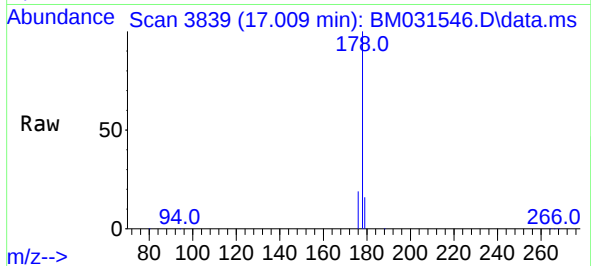
Instrument :  
BNA\_M  
ClientSampled :  
C0094DL

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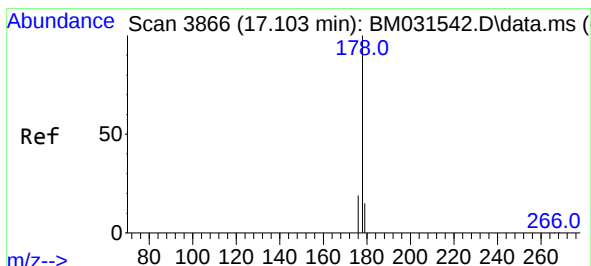
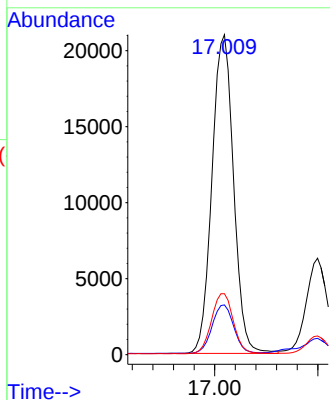
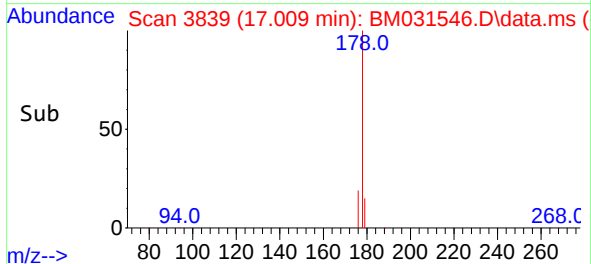
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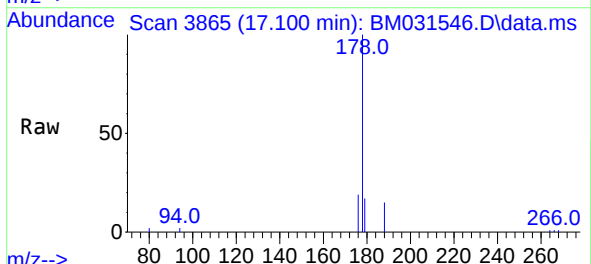
#15  
Phenanthrene  
Concen: 1.656 ng/uI  
RT: 17.009 min Scan# 3839  
Delta R.T. -0.003 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44



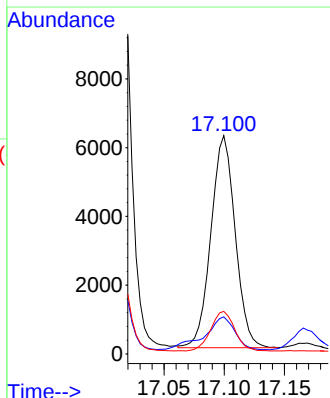
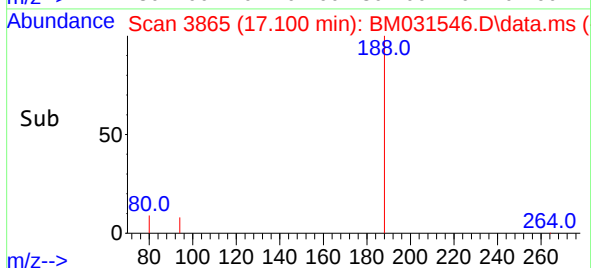
Tgt Ion:178 Resp: 30457  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.3 19.9  
176 19.1 16.2 24.4



#16  
Anthracene  
Concen: 0.502 ng/uI  
RT: 17.100 min Scan# 3865  
Delta R.T. -0.003 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44



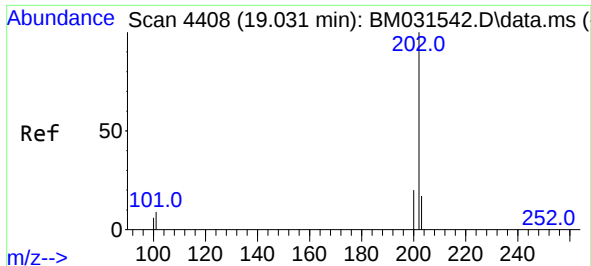
Tgt Ion:178 Resp: 8646  
Ion Ratio Lower Upper  
178 100  
179 17.0 13.0 19.6  
176 19.5 15.6 23.4



Instrument :  
BNA\_M  
ClientSampled :  
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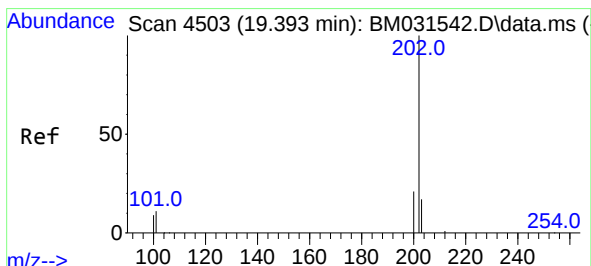
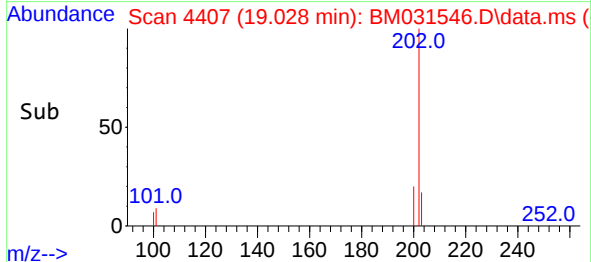
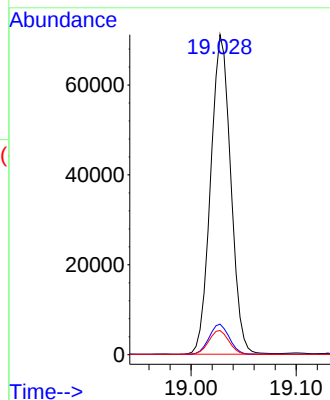
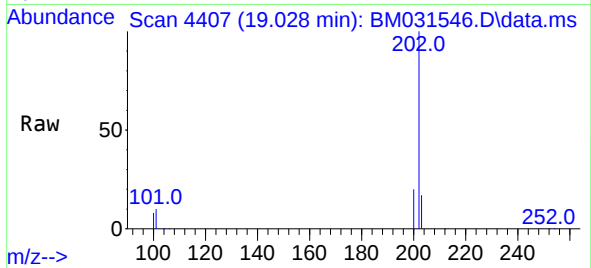
#19  
Fluoranthene  
Concen: 4.848 ng/ul  
RT: 19.028 min Scan# 4407  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 94670 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.6   | 6.6   | 10.0  |
| 100       | 7.5   | 5.4   | 8.0   |

Instrument :  
BNA\_M  
ClientSampleID :  
C0094DL

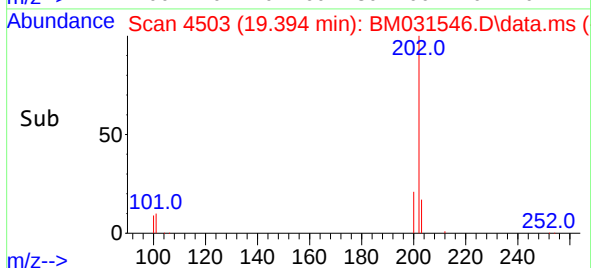
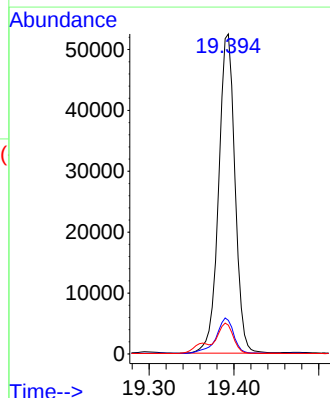
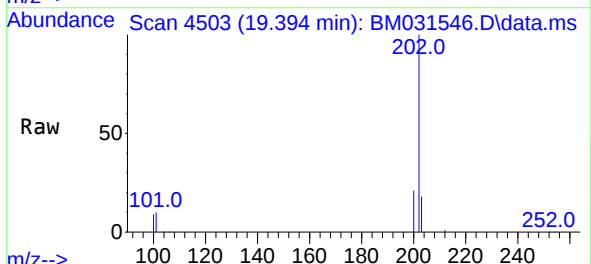
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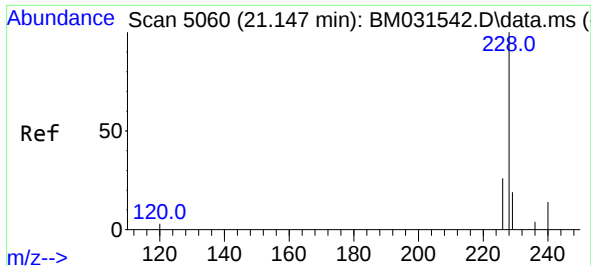
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#20  
Pyrene  
Concen: 3.551 ng/ul  
RT: 19.394 min Scan# 4503  
Delta R.T. -0.004 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 70331 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.5  | 7.8   | 11.6  |
| 100       | 9.0   | 6.6   | 10.0  |





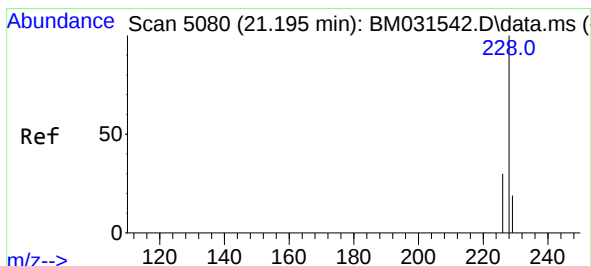
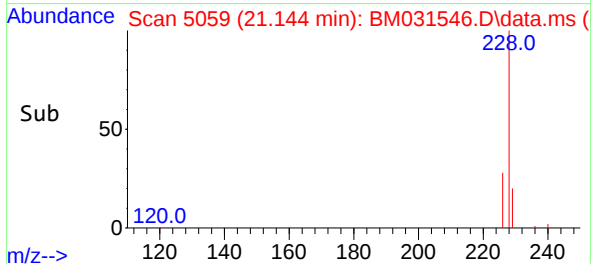
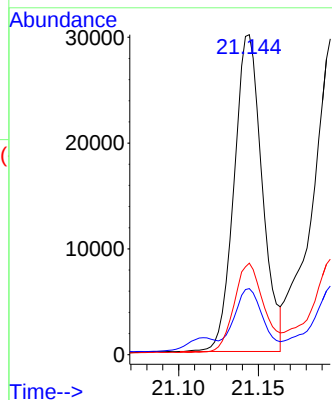
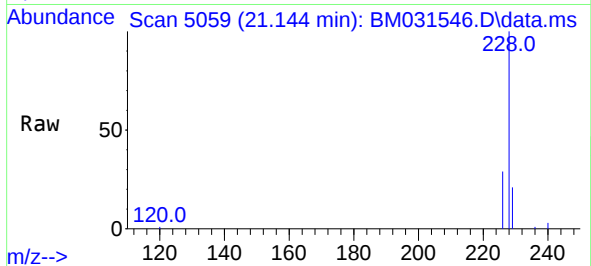
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Benzo(a)anthracene  
Concen: 1.989 ng/ul  
RT: 21.144 min Scan# 5059  
Delta R.T. -0.007 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 36725 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.6  | 15.6  | 23.4  |
| 226       | 28.6  | 21.7  | 32.5  |

Instrument :  
BNA\_M  
ClientSampled :  
C0094DL

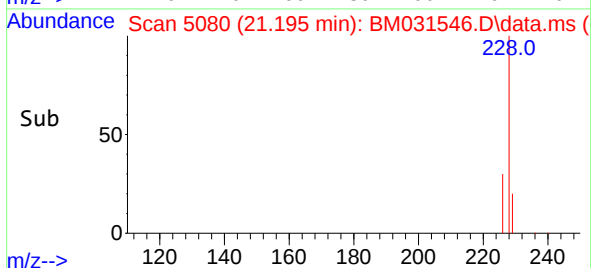
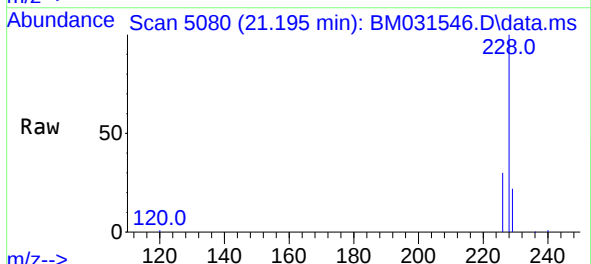
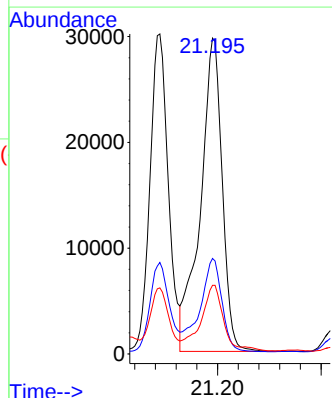
Manual Integrations  
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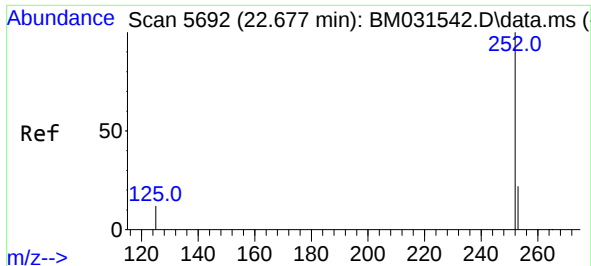
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#22  
Chrysene  
Concen: 2.270 ng/ul  
RT: 21.195 min Scan# 5080  
Delta R.T. -0.005 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 43376 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.3  | 24.7  | 37.1  |
| 229       | 21.7  | 16.2  | 24.2  |





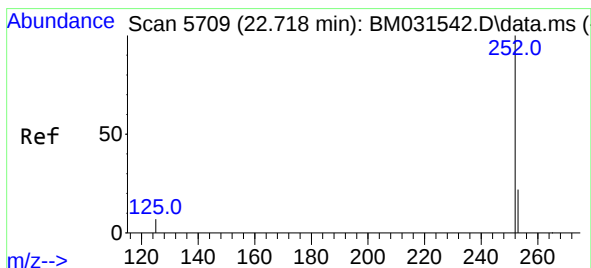
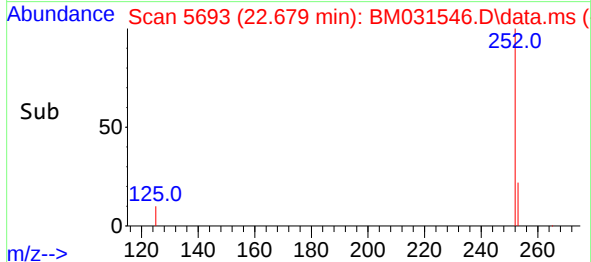
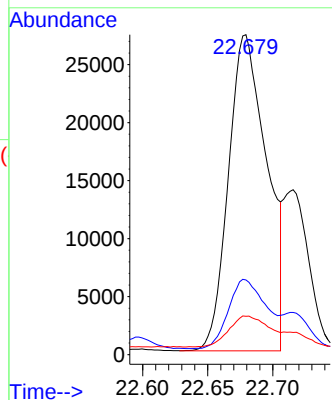
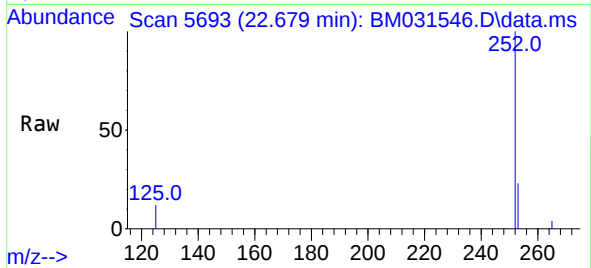
#24  
Benzo(b)fluoranthene  
Concen: 2.775 ng/ul m  
RT: 22.679 min Scan# 5693  
Delta R.T. -0.002 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 56155 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.4  | 0.0   | 53.0  |
| 125       | 12.0  | 0.0   | 22.8  |

Instrument :  
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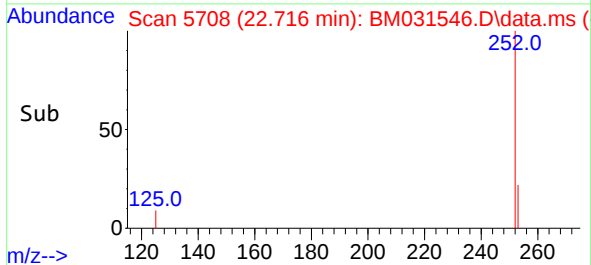
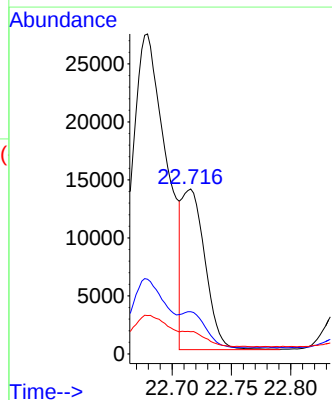
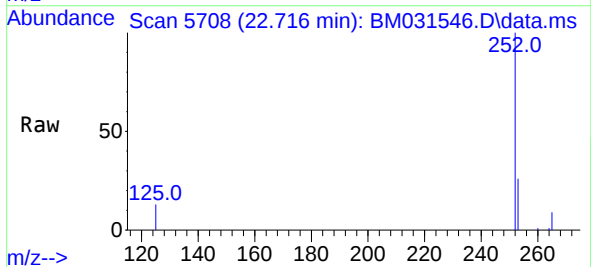
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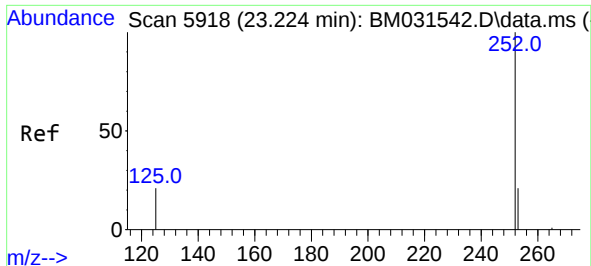
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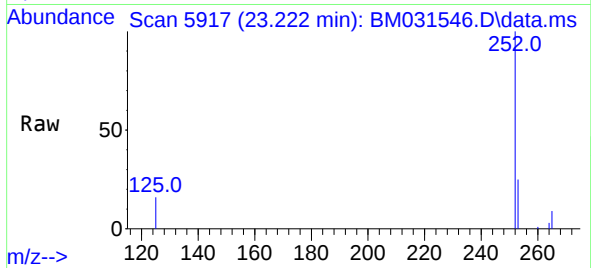
#25  
Benzo(k)fluoranthene  
Concen: 0.897 ng/ul m  
RT: 22.716 min Scan# 5708  
Delta R.T. -0.007 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 18750 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.6  | 21.3  | 31.9  |
| 125       | 13.5  | 8.8   | 13.2# |

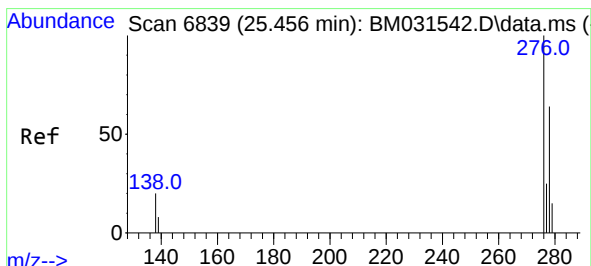
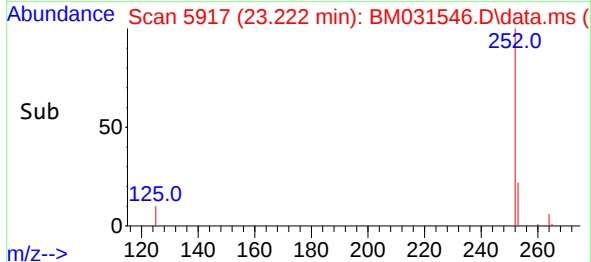
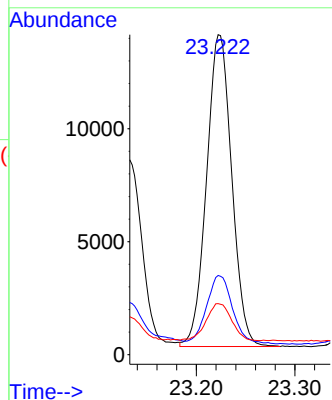




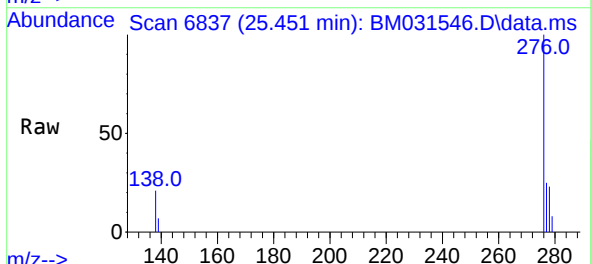
#26  
Benzo(a)pyrene  
Concen: 1.384 ng/ul  
RT: 23.222 min Scan# 5917  
Delta R.T. -0.009 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44



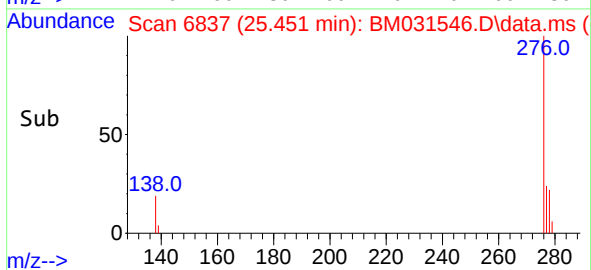
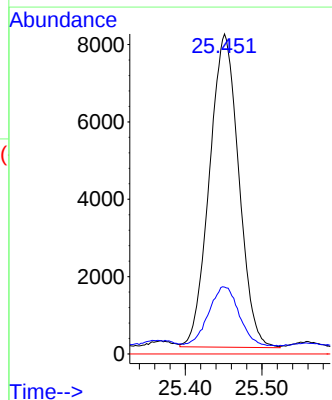
Tgt Ion: 252 Resp: 24529  
Ion Ratio Lower Upper  
252 100  
253 24.7 22.4 33.6  
125 15.9 13.0 19.4



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.940 ng/ul  
RT: 25.451 min Scan# 6837  
Delta R.T. -0.012 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44



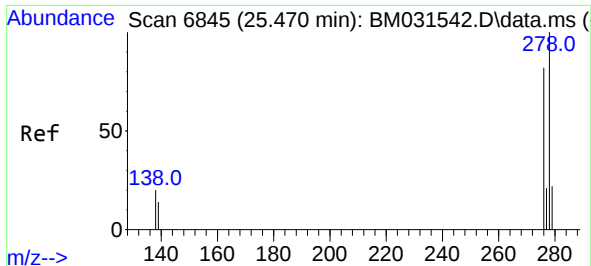
Tgt Ion: 276 Resp: 21527  
Ion Ratio Lower Upper  
276 100  
138 19.4 15.8 23.8  
227 0.0 0.0 0.0



Instrument :  
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ClientSampleID :  
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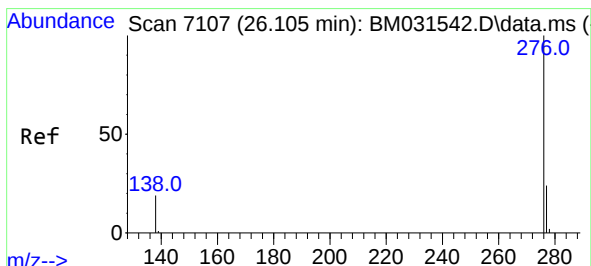
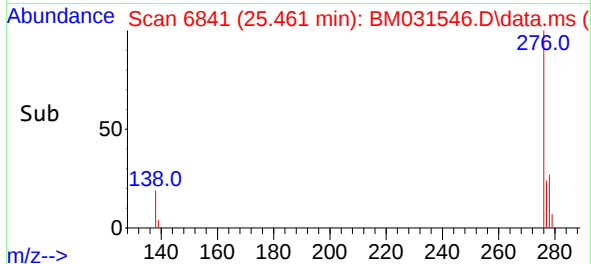
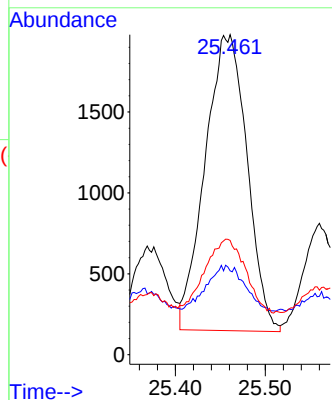
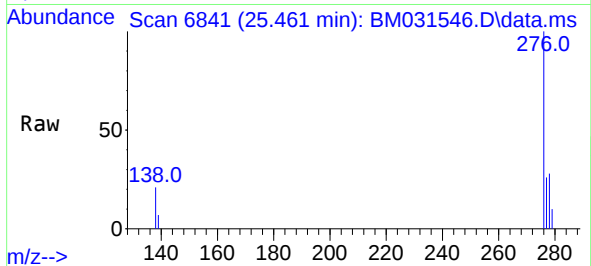
#28  
Dibenzo(a,h)anthracene  
Concen: 0.321 ng/ul  
RT: 25.461 min Scan# 6841  
Delta R.T. -0.014 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 5923  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 26.2  | 13.3  | 19.9# |
| 279       | 35.7  | 22.8  | 34.2# |

Instrument :  
BNA\_M  
ClientSampleId :  
C0094DL

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#29  
Benzo(g,h,i)perylene  
Concen: 0.079 ng/ul  
RT: 26.103 min Scan# 7106  
Delta R.T. -0.012 min  
Lab File: BM031546.D  
Acq: 07 Aug 2021 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 1538  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 48.8  | 15.4  | 23.2# |
| 277       | 45.2  | 19.9  | 29.9# |

