

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090321\  
 Data File : BM032072.D  
 Acq On : 04 Sep 2021 11:42  
 Operator : CG/JU  
 Sample : M3486-18DL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B30DL

Manual Integrations  
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 9/7/2021 11:38:31 AM

Quant Time: Sep 06 02:02:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM090321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 03 16:21:27 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.452  | 152  | 2170     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.208 | 136  | 7295     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.095 | 164  | 3920     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.851 | 188  | 7394     | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.059 | 240  | 6043     | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.173 | 264  | 6546     | 0.400 | ng/ul  | #-0.02   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.068  | 96   | 812      | 0.341 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.809 | 152  | 314      | 0.028 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.888 | 212  | 587      | 0.033 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.257 | 128  | 10986    | 0.568 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 11.881 | 142  | 9063     | 0.671 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.106 | 142  | 7058     | 0.531 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.815 | 152  | 10627    | 0.672 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.159 | 153  | 607      | 0.047 | ng/ul# | 91       |
| 12) Fluorene                | 15.156 | 166  | 1518     | 0.101 | ng/ul# | 87       |
| 15) Phenanthrene            | 16.893 | 178  | 26134    | 1.161 | ng/ul  | 97       |
| 16) Anthracene              | 16.987 | 178  | 7173     | 0.363 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.919 | 202  | 52497    | 2.010 | ng/ul  | 98       |
| 20) Pyrene                  | 19.285 | 202  | 59588    | 2.214 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.042 | 228  | 32225    | 1.460 | ng/ul  | 98       |
| 22) Chrysene                | 21.095 | 228  | 37340    | 1.473 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.550 | 252  | 46415m   | 1.542 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.587 | 252  | 15130m   | 0.487 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.081 | 252  | 32085    | 1.220 | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.237 | 276  | 23708    | 0.662 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.245 | 278  | 6785     | 0.236 | ng/ul# | 96       |
| 29) Benzo(g,h,i)perylene    | 25.867 | 276  | 21634    | 0.679 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

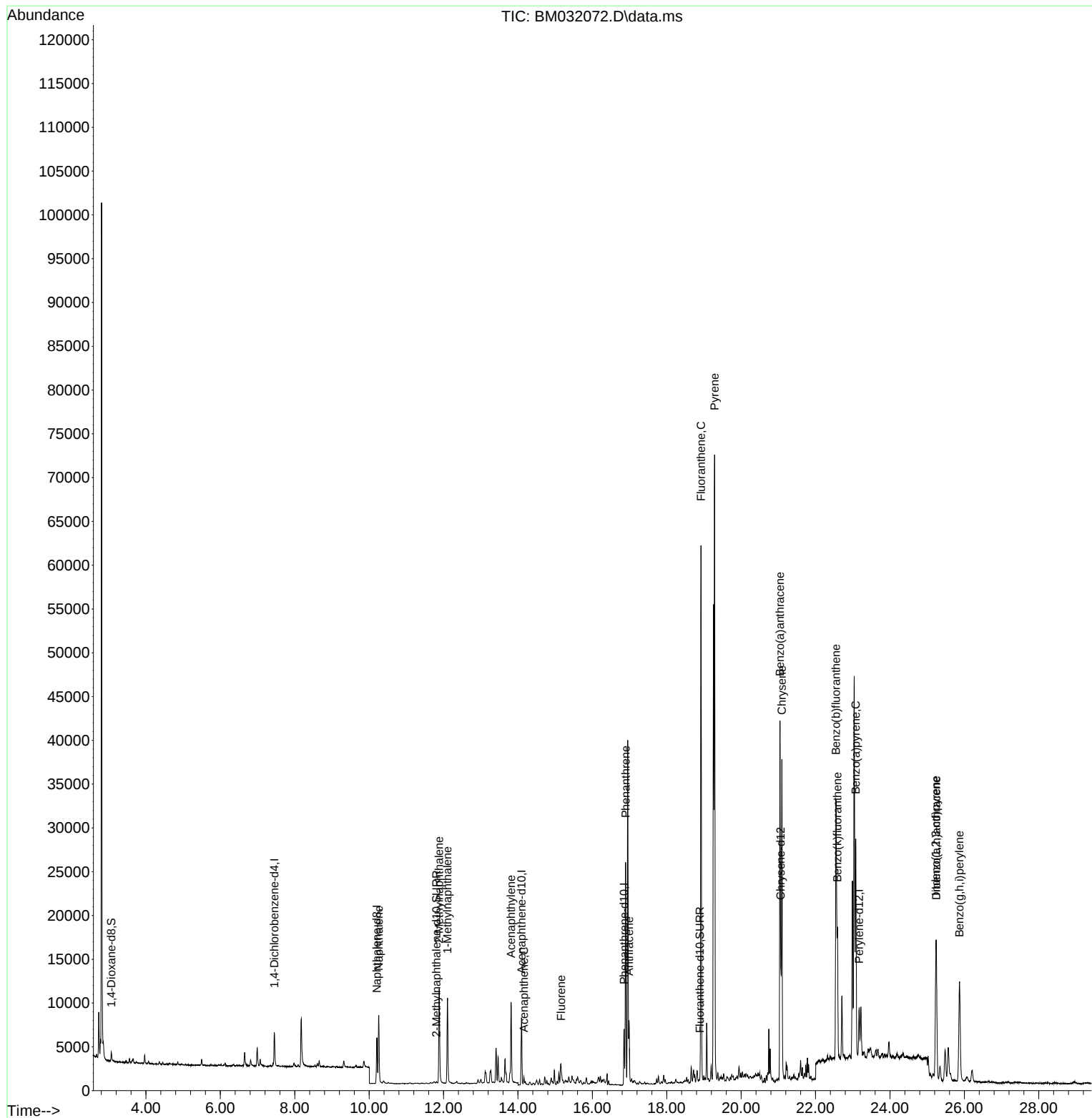
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090321\  
Data File : BM032072.D  
Acq On : 04 Sep 2021 11:42  
Operator : CG/JU  
Sample : M3486-18DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

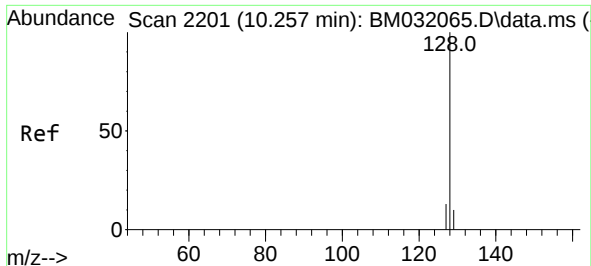
Instrument :  
BNA\_M  
ClientSampleId :  
C0B30DL

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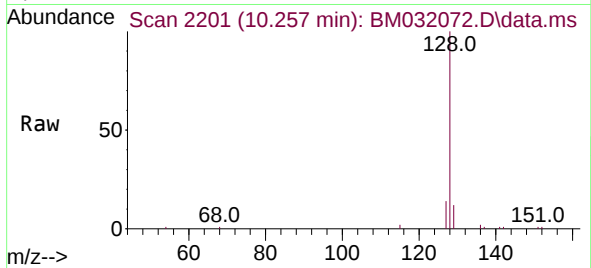
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Quant Time: Sep 06 02:02:55 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM090321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 03 16:21:27 2021  
Response via : Initial Calibration

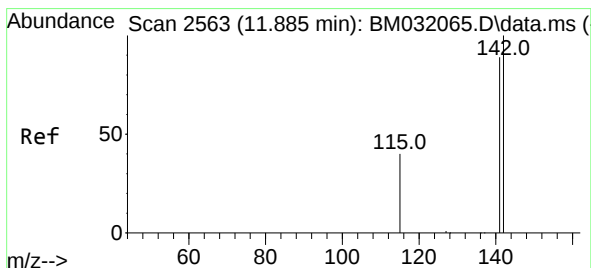
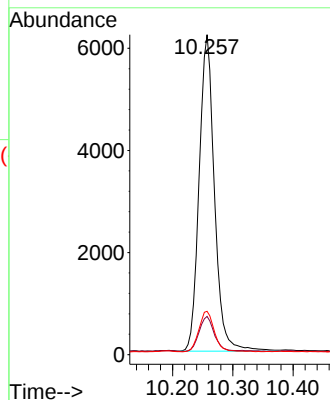
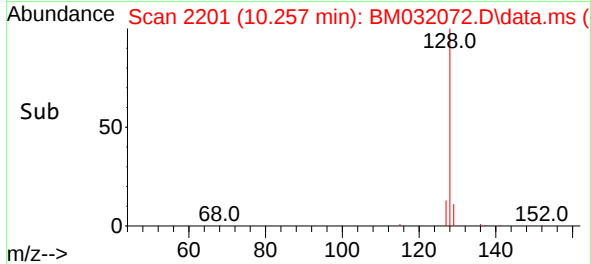




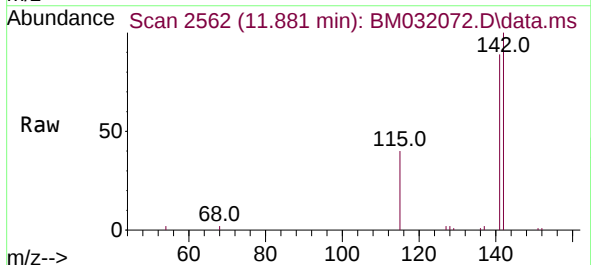
#5  
Naphthalene  
Concen: 0.568 ng/ul  
RT: 10.257 min Scan# 2201  
Delta R.T. -0.013 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



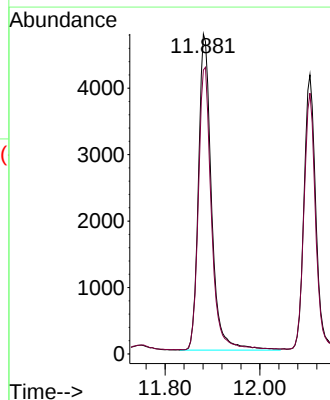
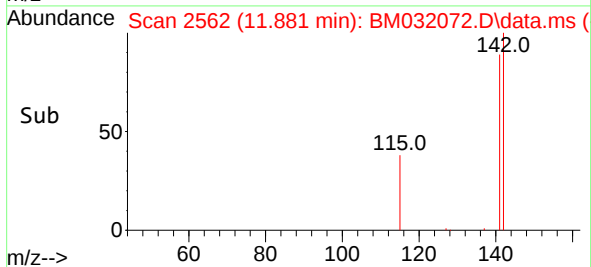
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.9  | 10.9  | 16.3  |
| 127     | 13.5  | 12.4  | 18.6  |



#7  
2-Methylnaphthalene  
Concen: 0.671 ng/ul  
RT: 11.881 min Scan# 2562  
Delta R.T. -0.018 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



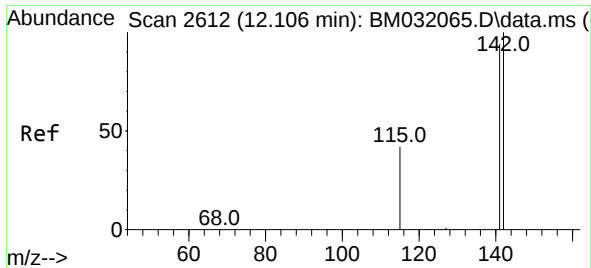
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 70.3  | 105.5 |



Instrument :  
BNA\_M  
ClientSampleId :  
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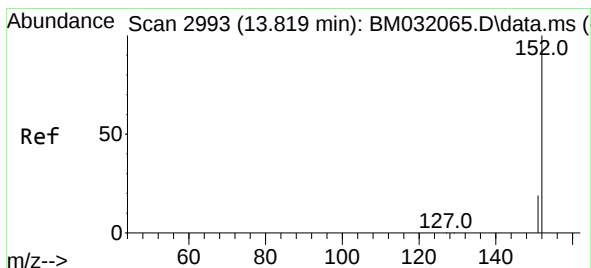
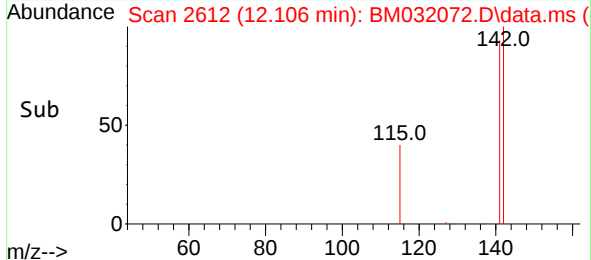
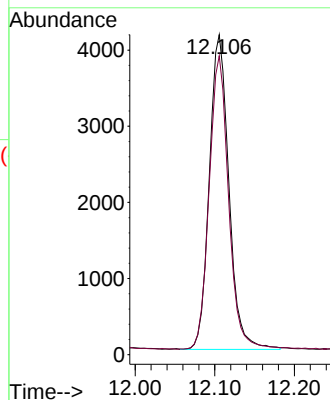
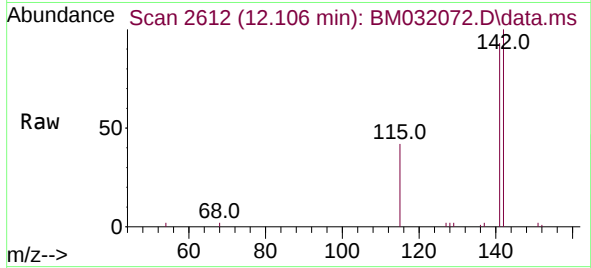
#8  
1-Methylnaphthalene  
Concen: 0.531 ng/ul  
RT: 12.106 min Scan# 2612  
Delta R.T. -0.009 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

Tgt Ion:142 Resp: 7058  
Ion Ratio Lower Upper  
142 100  
141 92.5 72.2 108.2

Instrument :  
BNA\_M  
ClientSampled :  
C0B30DL

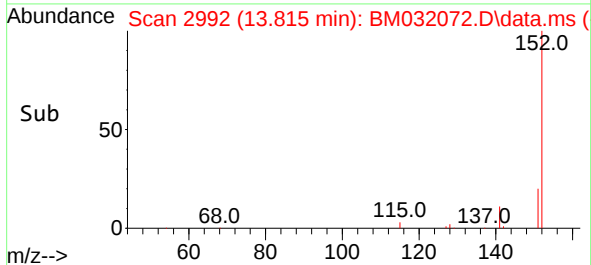
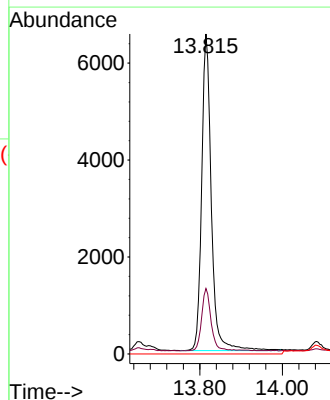
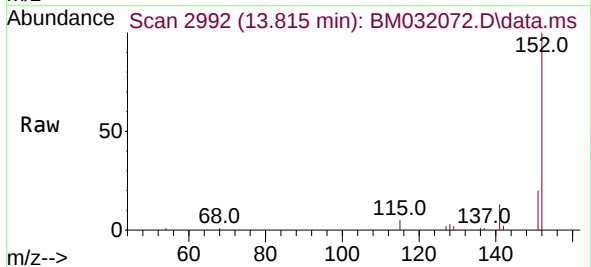
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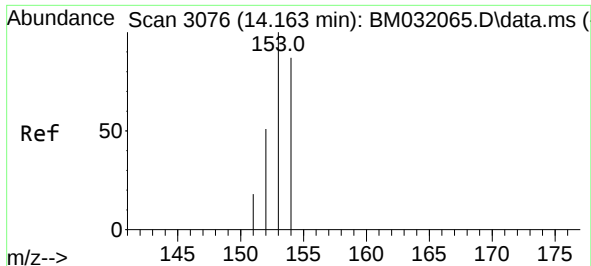
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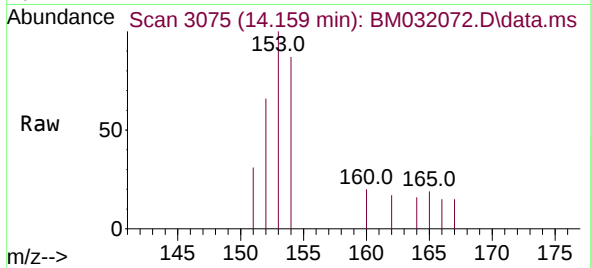
#10  
Acenaphthylene  
Concen: 0.672 ng/ul  
RT: 13.815 min Scan# 2992  
Delta R.T. -0.009 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

Tgt Ion:152 Resp: 10627  
Ion Ratio Lower Upper  
152 100  
151 20.5 17.0 25.4  
153 0.0 0.0 0.0

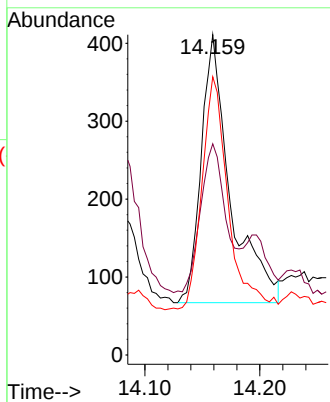
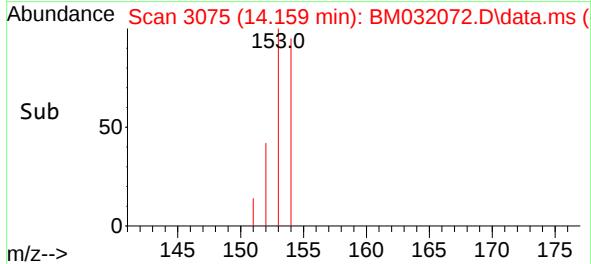




#11  
Acenaphthene  
Concen: 0.047 ng/ul  
RT: 14.159 min Scan# 3075  
Delta R.T. -0.008 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



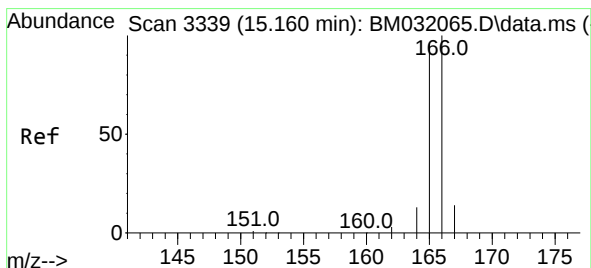
Tgt Ion:153 Resp: 607  
Ion Ratio Lower Upper  
153 100  
152 65.9 41.0 61.4#  
154 86.9 70.5 105.7



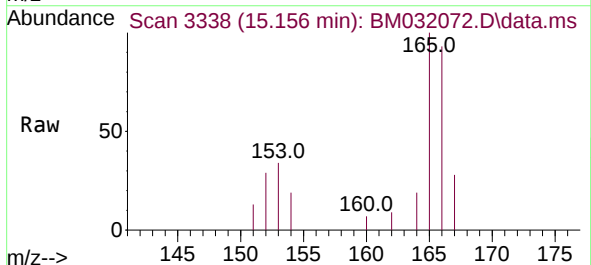
Instrument :  
BNA\_M  
ClientSampleId :  
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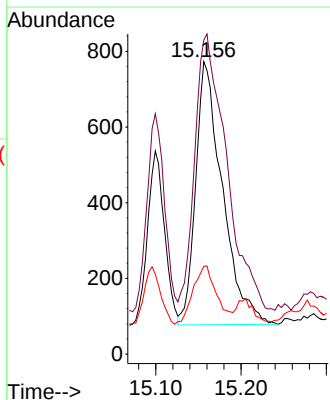
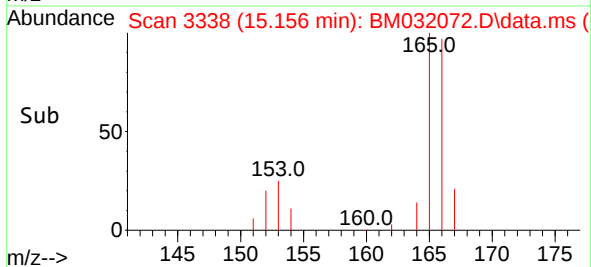
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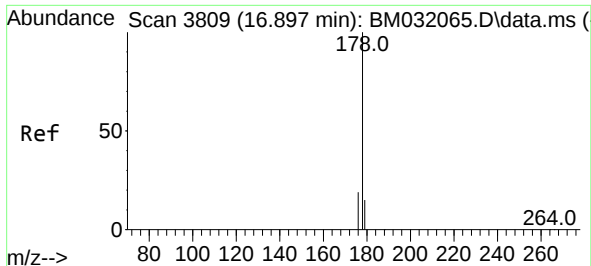


#12  
Fluorene  
Concen: 0.101 ng/ul  
RT: 15.156 min Scan# 3338  
Delta R.T. -0.015 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



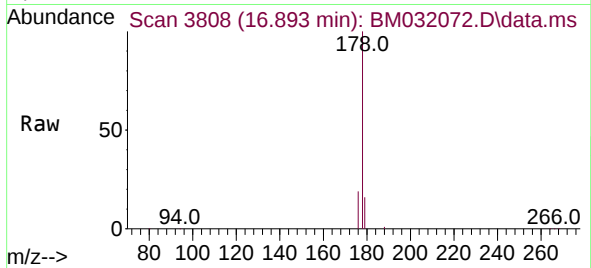
Tgt Ion:166 Resp: 1518  
Ion Ratio Lower Upper  
166 100  
165 107.4 78.3 117.5  
167 30.0 12.5 18.7#





#15  
Phenanthrene  
Concen: 1.161 ng/ul  
RT: 16.893 min Scan# 3808  
Delta R.T. -0.014 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

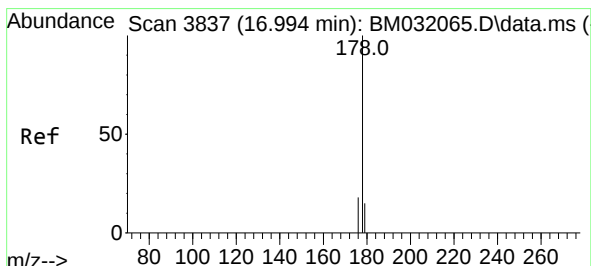
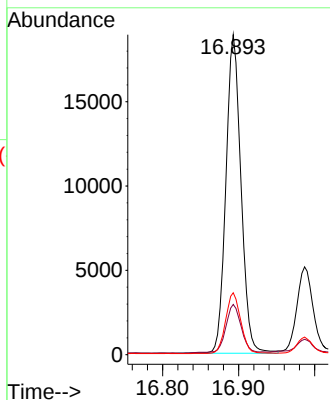
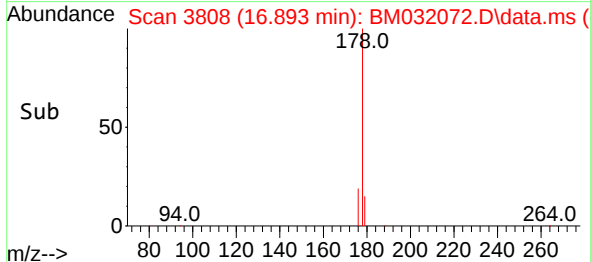
Instrument :  
BNA\_M  
ClientSampleId :  
C0B30DL



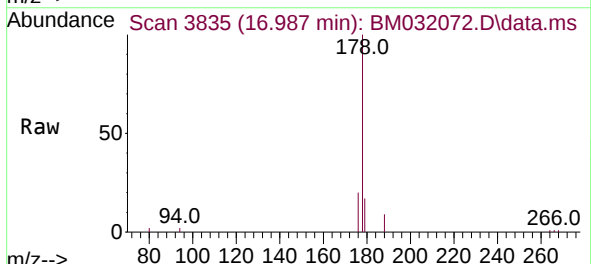
Tgt Ion:178 Resp: 26134  
Ion Ratio Lower Upper  
178 100  
179 15.7 13.3 19.9  
176 19.4 16.7 25.1

Manual Integrations  
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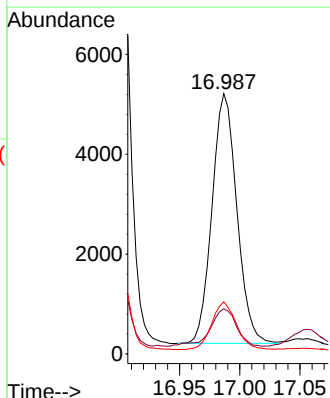
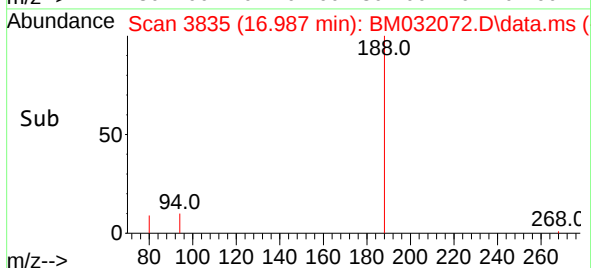
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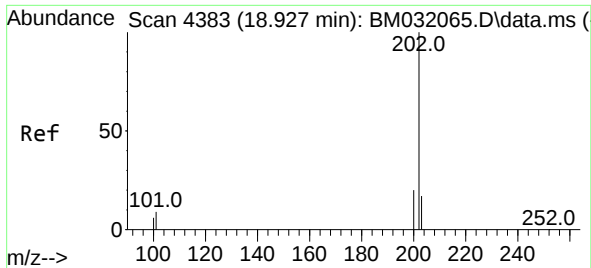


#16  
Anthracene  
Concen: 0.363 ng/ul  
RT: 16.987 min Scan# 3835  
Delta R.T. -0.021 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



Tgt Ion:178 Resp: 7173  
Ion Ratio Lower Upper  
178 100  
179 17.4 14.3 21.5  
176 20.0 15.8 23.8





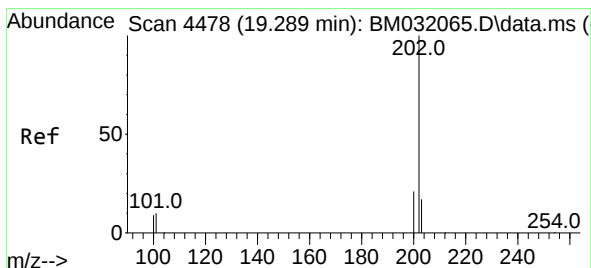
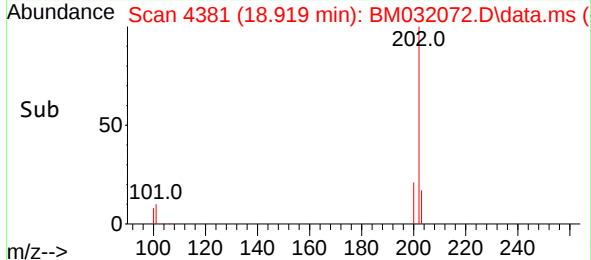
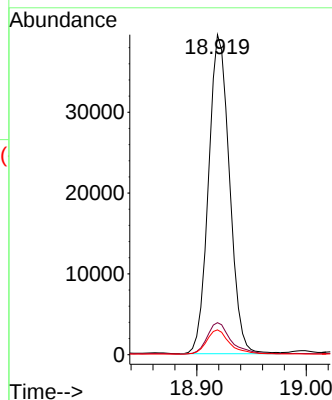
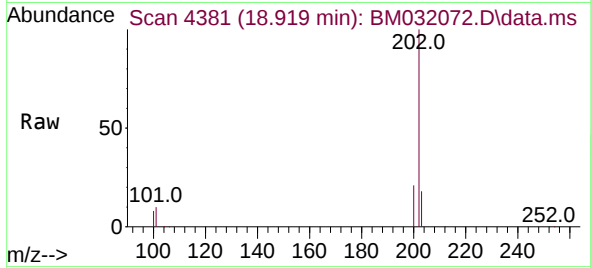
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Fluoranthene  
Concen: 2.010 ng/ul  
RT: 18.919 min Scan# 4381  
Delta R.T. -0.015 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 52497 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.0  | 7.2   | 10.8  |
| 100       | 7.8   | 5.8   | 8.6   |

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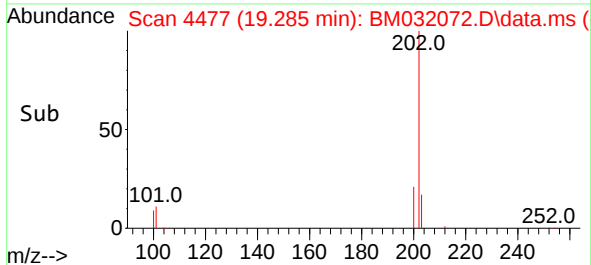
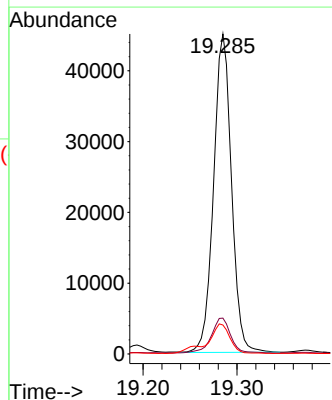
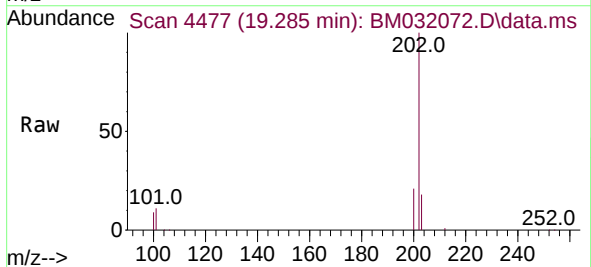
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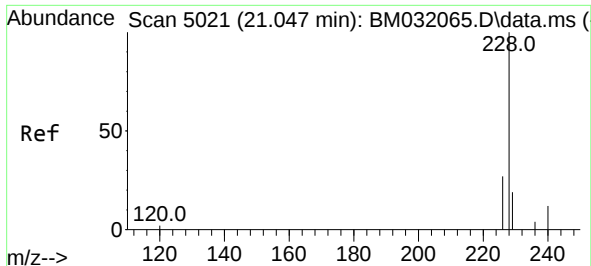
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#20  
Pyrene  
Concen: 2.214 ng/ul  
RT: 19.285 min Scan# 4477  
Delta R.T. -0.015 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 59588 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.2  | 8.2   | 12.4  |
| 100       | 9.1   | 7.0   | 10.6  |





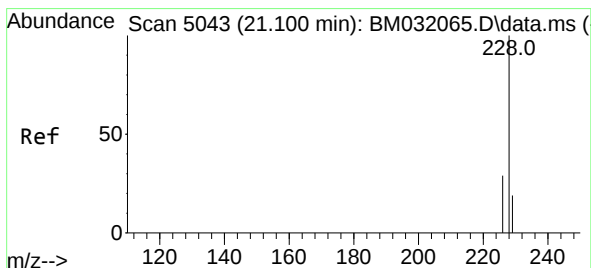
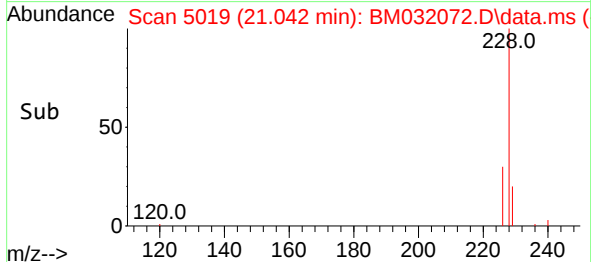
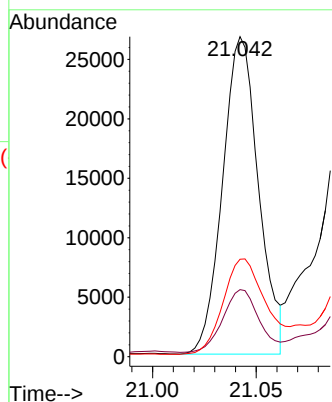
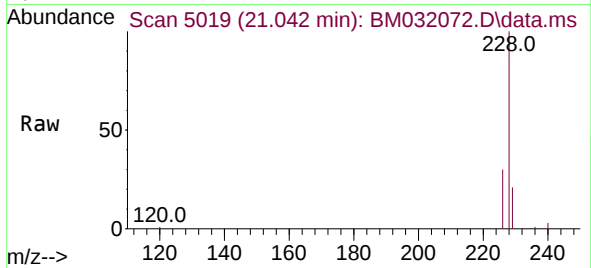
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Benzo(a)anthracene  
Concen: 1.460 ng/ul  
RT: 21.042 min Scan# 5019  
Delta R.T. -0.017 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 32225     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 21.0  | 17.1 25.7 |
| 226         | 30.5  | 23.1 34.7 |

Instrument :  
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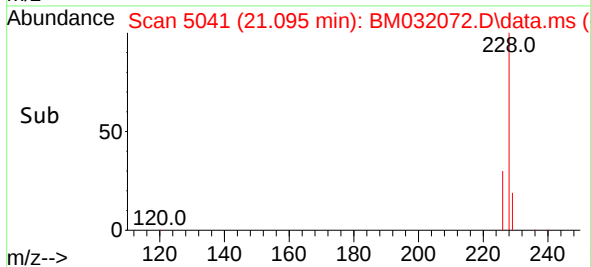
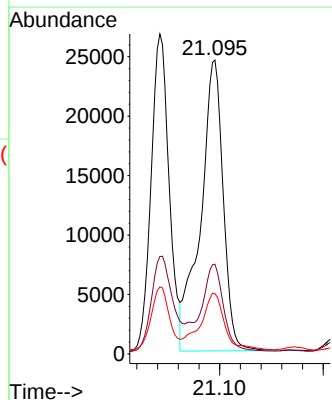
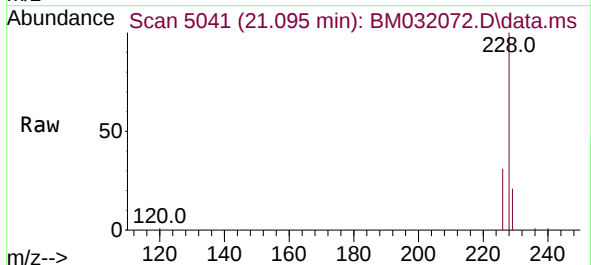
Manual Integrations  
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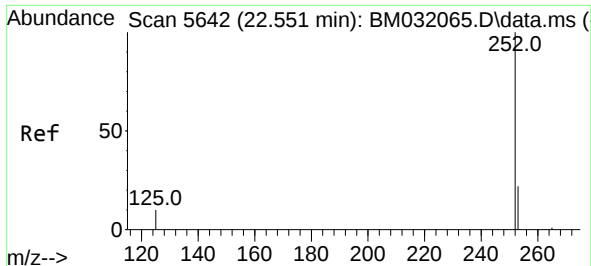
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#22  
Chrysene  
Concen: 1.473 ng/ul  
RT: 21.095 min Scan# 5041  
Delta R.T. -0.014 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 37340     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.5  | 24.2 36.2 |
| 229         | 20.5  | 16.3 24.5 |





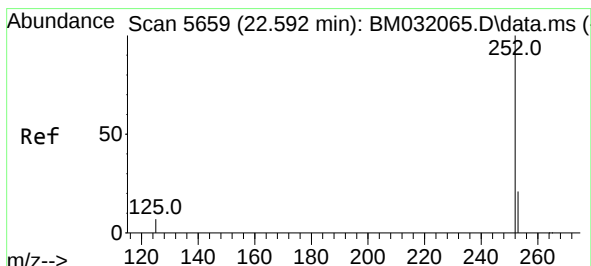
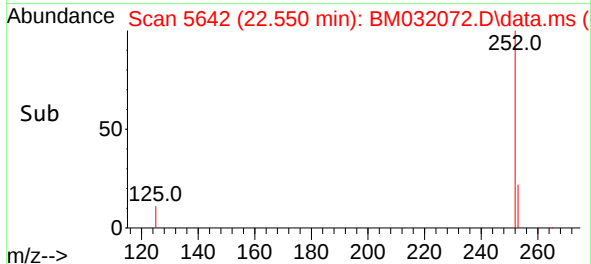
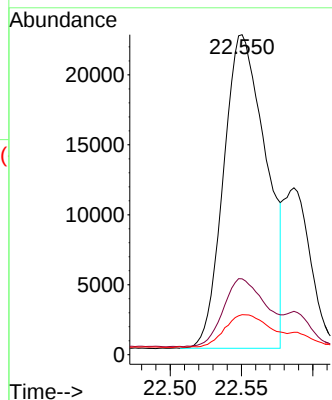
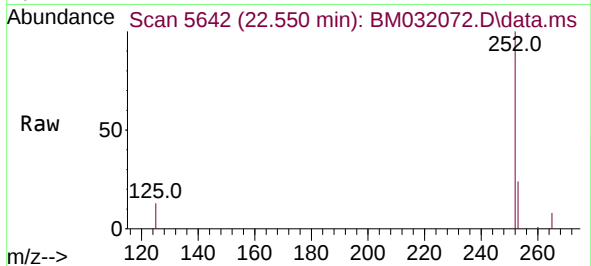
#24  
Benzo(b)fluoranthene  
Concen: 1.542 ng/ul m  
RT: 22.550 min Scan# 5642  
Delta R.T. -0.014 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 0.0   | 61.0  |
| 125     | 12.5  | 0.0   | 28.4  |

Instrument :  
BNA\_M  
ClientSampleId :  
C0B30DL

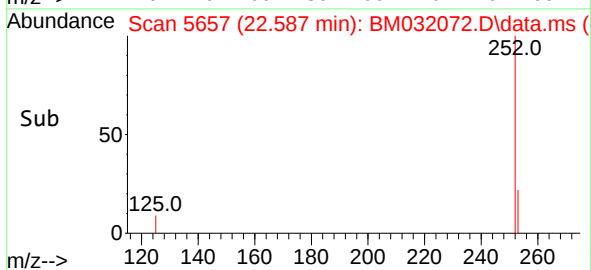
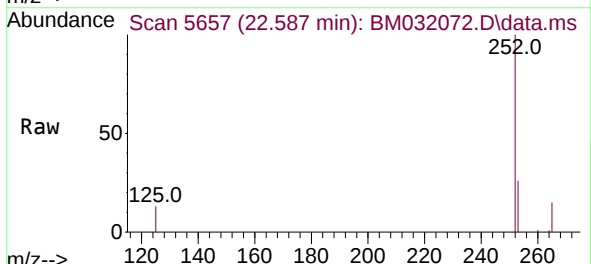
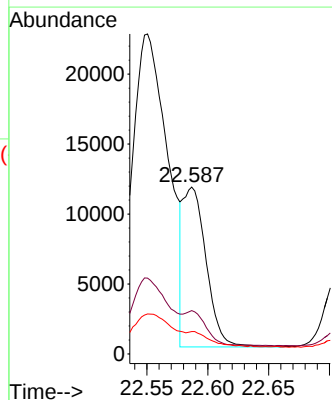
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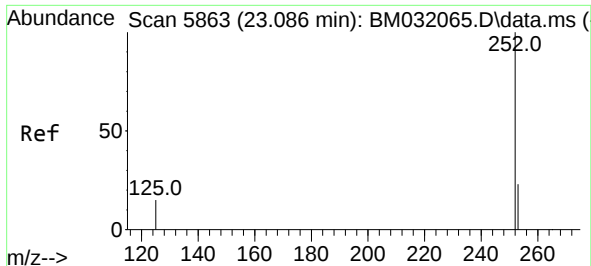
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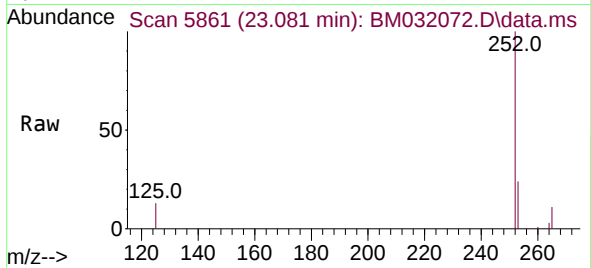
#25  
Benzo(k)fluoranthene  
Concen: 0.487 ng/ul m  
RT: 22.587 min Scan# 5657  
Delta R.T. -0.022 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.0  | 25.2  | 37.8  |
| 125     | 13.4  | 11.0  | 16.4  |

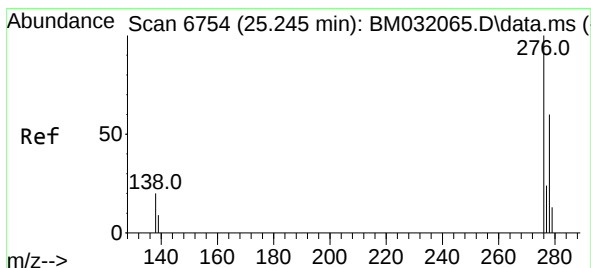
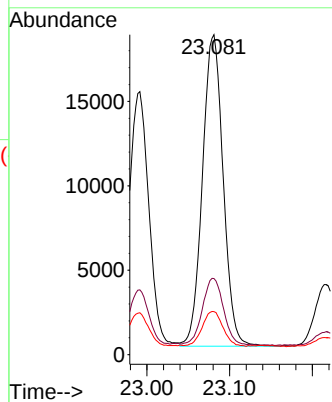
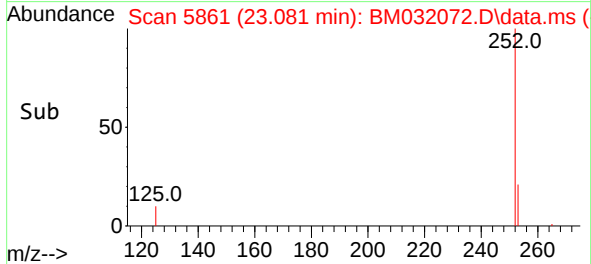




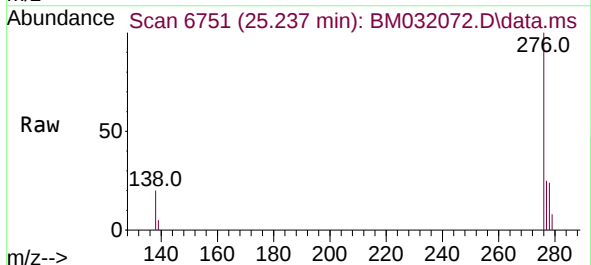
#26  
Benzo(a)pyrene  
Concen: 1.220 ng/ul  
RT: 23.081 min Scan# 5861  
Delta R.T. -0.024 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



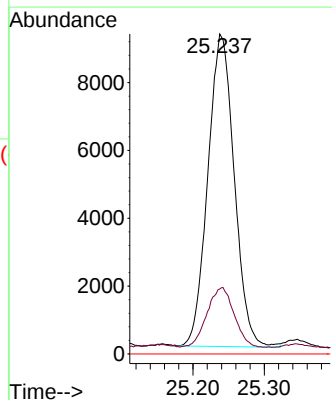
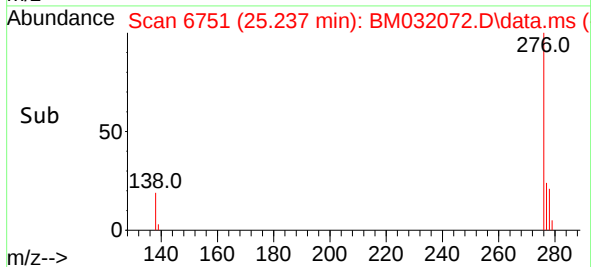
Tgt Ion:252 Resp: 32085  
Ion Ratio Lower Upper  
252 100  
253 23.8 28.8 43.2#  
125 13.4 13.9 20.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.662 ng/ul  
RT: 25.237 min Scan# 6751  
Delta R.T. -0.034 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



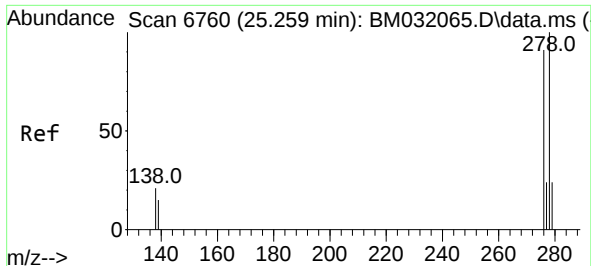
Tgt Ion:276 Resp: 23708  
Ion Ratio Lower Upper  
276 100  
138 19.9 14.1 21.1  
227 0.0 0.0 0.0



Instrument :  
BNA\_M  
ClientSampleId :  
C0B30DL

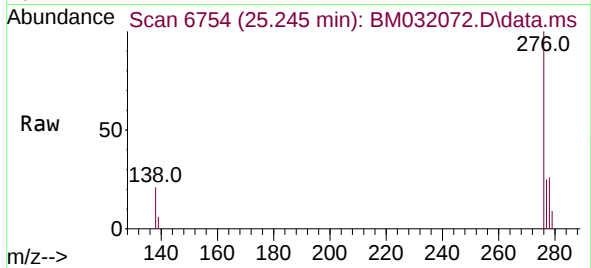
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#28  
Dibenzo(a,h)anthracene  
Concen: 0.236 ng/ul  
RT: 25.245 min Scan# 6754  
Delta R.T. -0.041 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42

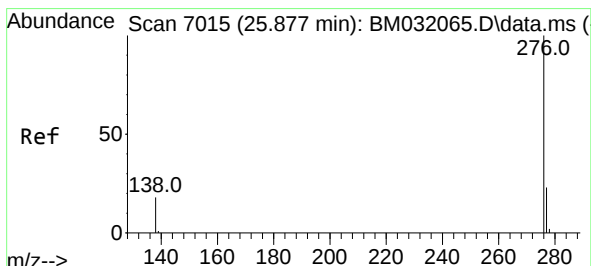
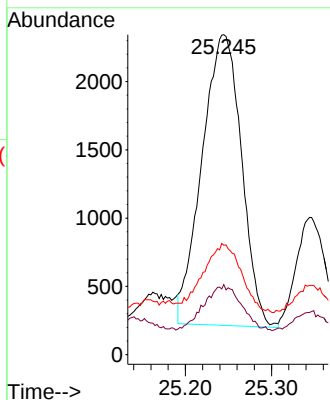
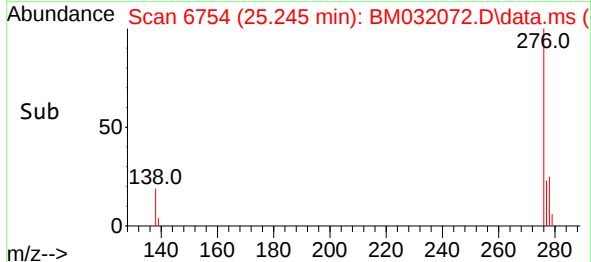
Instrument :  
BNA\_M  
ClientSampleId :  
C0B30DL



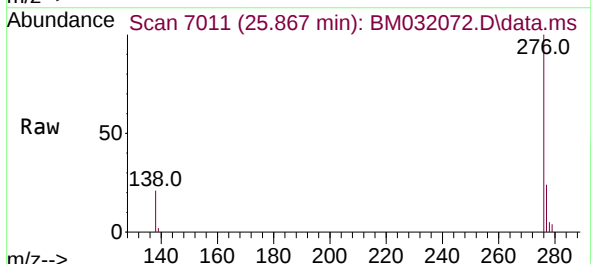
Tgt Ion:278 Resp: 6785  
Ion Ratio Lower Upper  
278 100  
139 21.9 13.4 20.0#  
279 34.2 27.2 40.8

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#29  
Benzo(g,h,i)perylene  
Concen: 0.679 ng/ul  
RT: 25.867 min Scan# 7011  
Delta R.T. -0.036 min  
Lab File: BM032072.D  
Acq: 04 Sep 2021 11:42



Tgt Ion:276 Resp: 21634  
Ion Ratio Lower Upper  
276 100  
138 20.9 14.5 21.7  
277 24.4 21.2 31.8

