

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090321\  
 Data File : BM032073.D  
 Acq On : 04 Sep 2021 12:19  
 Operator : CG/JU  
 Sample : M3486-09  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AW5

Manual Integrations  
 APPROVED

mohammad  
 9/7/2021 11:38:34 AM

Quant Time: Sep 06 02:05:36 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  | 1709     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.203 | 136  | 5677     | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.095 | 164  | 3143     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.851 | 188  | 5831     | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.059 | 240  | 4775     | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.173 | 264  | 5366     | 0.400 | ng/ul  | #-0.02   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.061  | 96   | 5019     | 2.674 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.804 | 152  | 1488     | 0.169 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 18.888 | 212  | 2898     | 0.207 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.253 | 128  | 3499     | 0.232 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.885 | 142  | 2548     | 0.242 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.106 | 142  | 2106     | 0.204 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.815 | 152  | 3266     | 0.257 | ng/ul  | 96       |
| 12) Fluorene                | 15.156 | 166  | 440      | 0.036 | ng/ul# | 86       |
| 15) Phenanthrene            | 16.893 | 178  | 18999    | 1.071 | ng/ul  | 97       |
| 16) Anthracene              | 16.987 | 178  | 1238     | 0.080 | ng/ul# | 90       |
| 19) Fluoranthene            | 18.919 | 202  | 30676    | 1.486 | ng/ul  | 99       |
| 20) Pyrene                  | 19.285 | 202  | 27695    | 1.302 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.045 | 228  | 6733     | 0.386 | ng/ul  | 96       |
| 22) Chrysene                | 21.095 | 228  | 14188    | 0.708 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.550 | 252  | 18779m   | 0.761 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.587 | 252  | 7138m    | 0.281 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.081 | 252  | 11697    | 0.543 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.242 | 276  | 10008    | 0.341 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.249 | 278  | 2340     | 0.099 | ng/ul# | 75       |
| 29) Benzo(g,h,i)perylene    | 25.872 | 276  | 8891     | 0.340 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

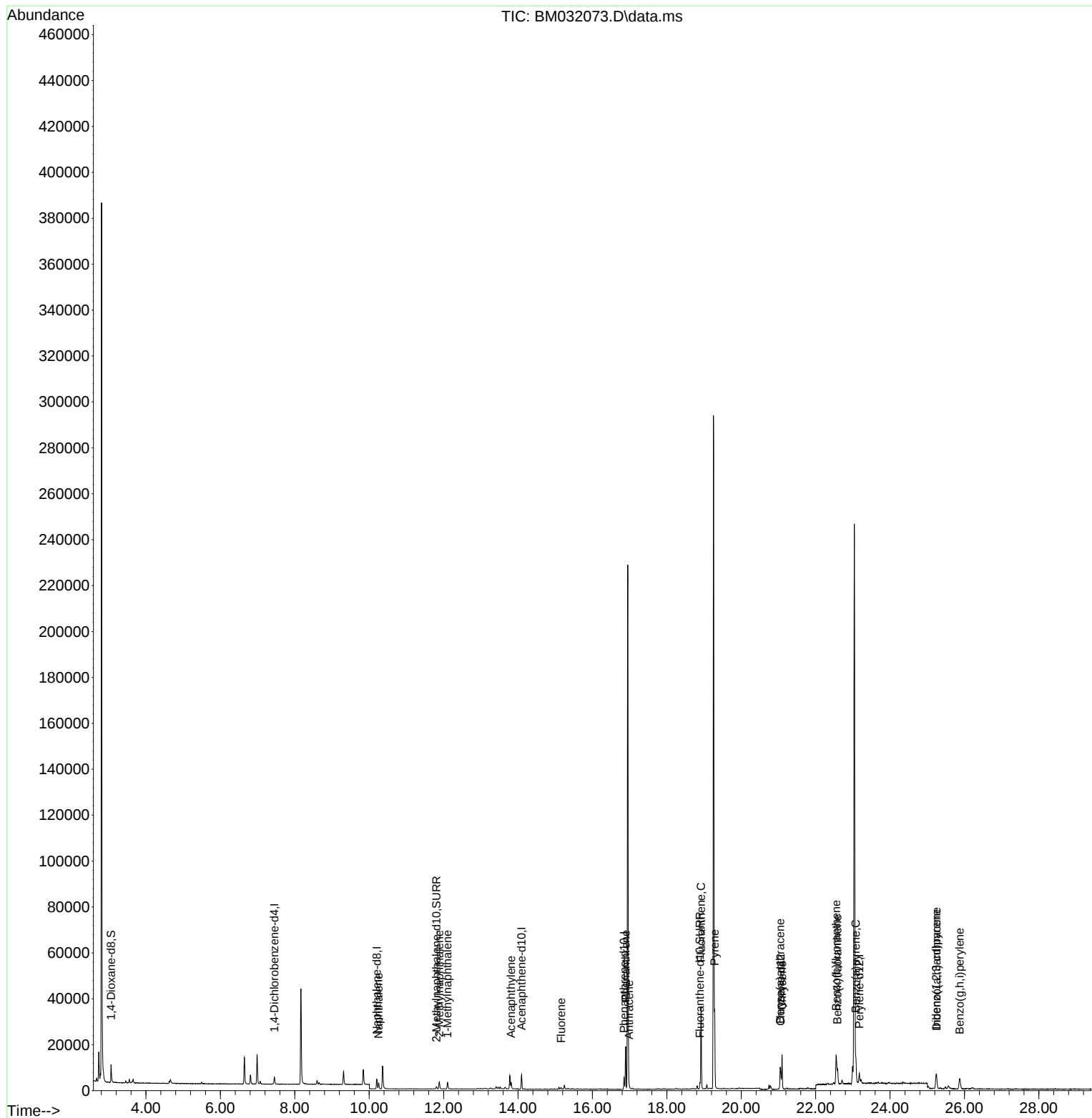
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090321\  
Data File : BM032073.D  
Acq On : 04 Sep 2021 12:19  
Operator : CG/JU  
Sample : M3486-09  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

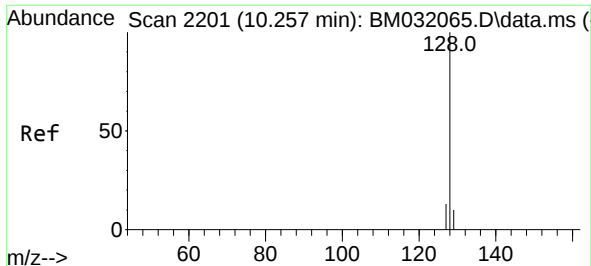
Instrument :  
BNA\_M  
ClientSampleId :  
C0AW5

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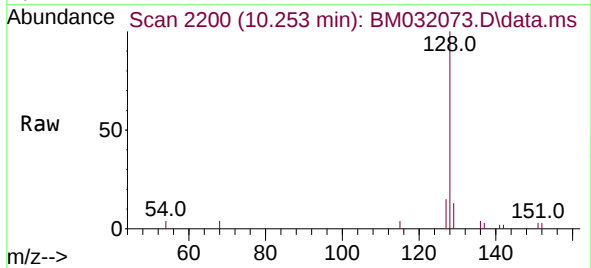
mohammad  
9/7/2021 11:38:34 AM

Quant Time: Sep 06 02:05:36 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

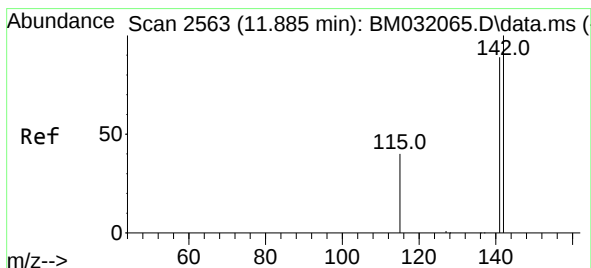
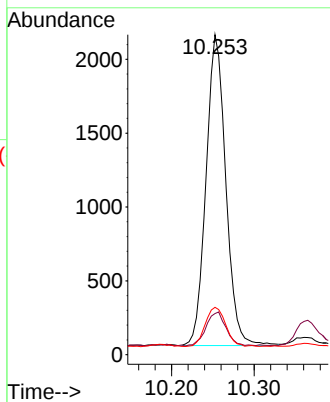
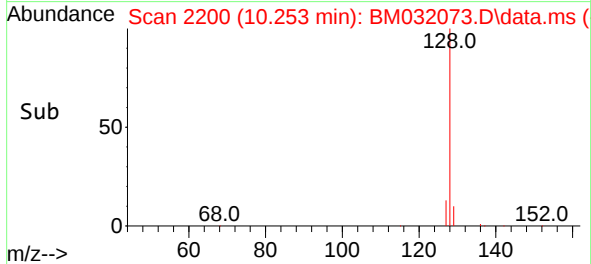




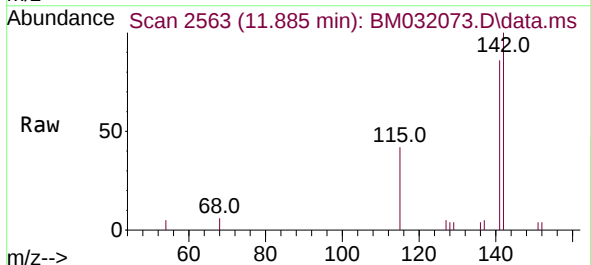
#5  
Naphthalene  
Concen: 0.232 ng/ul  
RT: 10.253 min Scan# 2200  
Delta R.T. -0.018 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



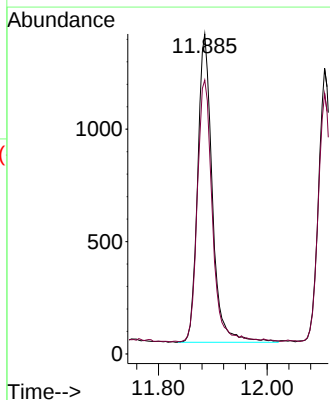
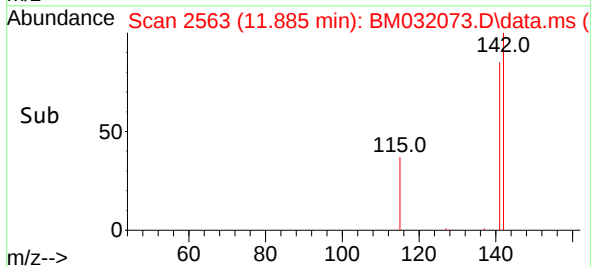
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3499 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 12.8  | 10.9  | 16.3 |
| 127       | 14.8  | 12.4  | 18.6 |



#7  
2-Methylnaphthalene  
Concen: 0.242 ng/ul  
RT: 11.885 min Scan# 2563  
Delta R.T. -0.013 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



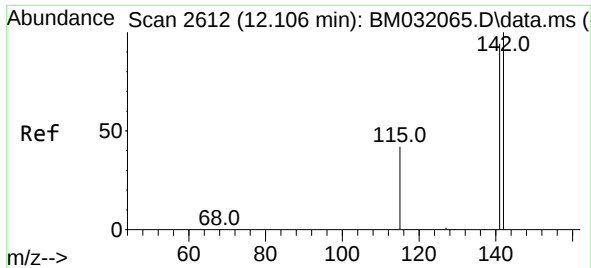
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|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 2548  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 87.7  | 70.3  | 105.5 |



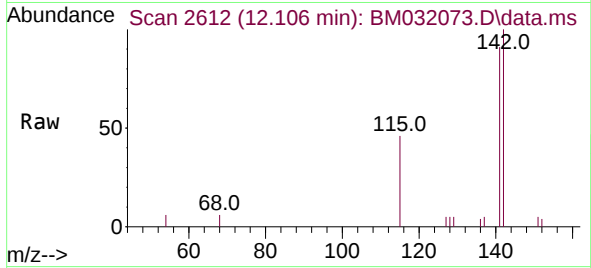
Instrument :  
BNA\_M  
ClientSampleId :  
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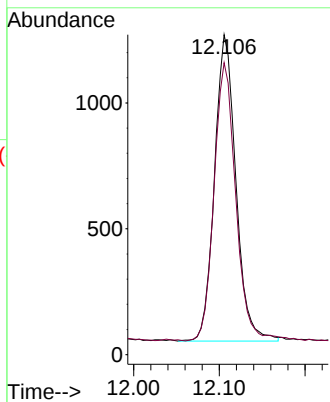
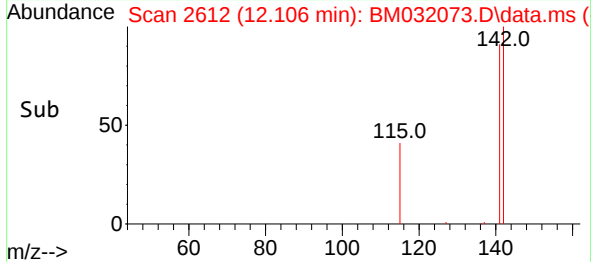
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#8  
1-Methylnaphthalene  
Concen: 0.204 ng/ul  
RT: 12.106 min Scan# 2612  
Delta R.T. -0.009 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



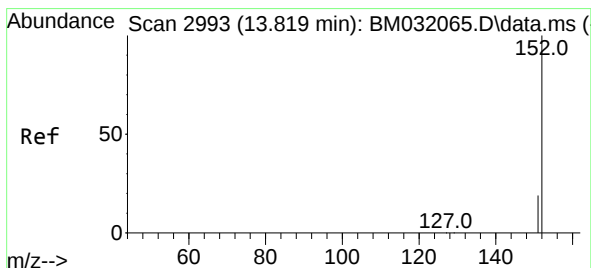
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Ion Ratio Lower Upper  
142 100  
141 92.0 72.2 108.2



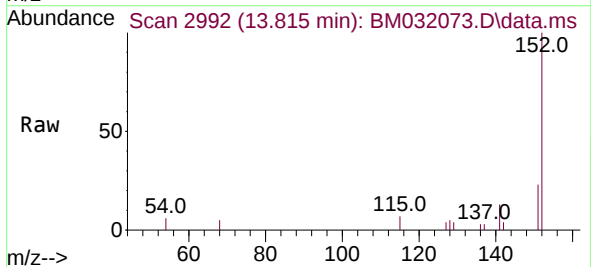
Instrument :  
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ClientSampleId :  
C0AW5

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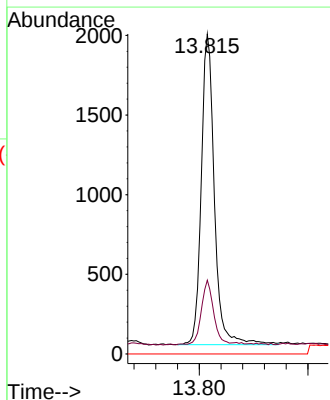
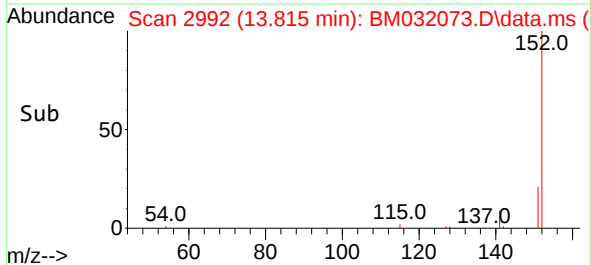
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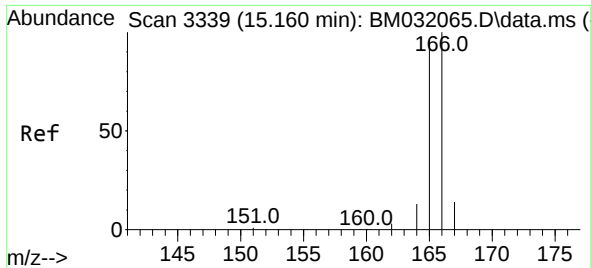


#10  
Acenaphthylene  
Concen: 0.257 ng/ul  
RT: 13.815 min Scan# 2992  
Delta R.T. -0.009 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



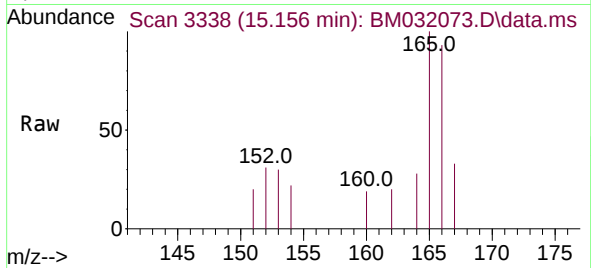
Tgt Ion:152 Resp: 3266  
Ion Ratio Lower Upper  
152 100  
151 23.0 17.0 25.4  
153 0.0 0.0 0.0





#12  
Fluorene  
Concen: 0.036 ng/u1  
RT: 15.156 min Scan# 3338  
Delta R.T. -0.015 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19

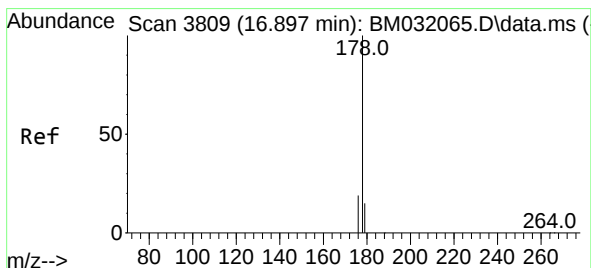
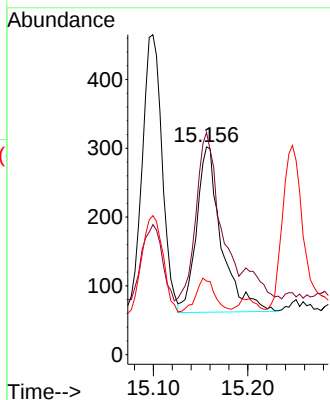
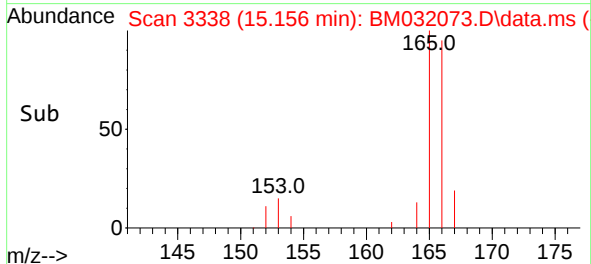
Instrument :  
BNA\_M  
ClientSampled :  
C0AW5



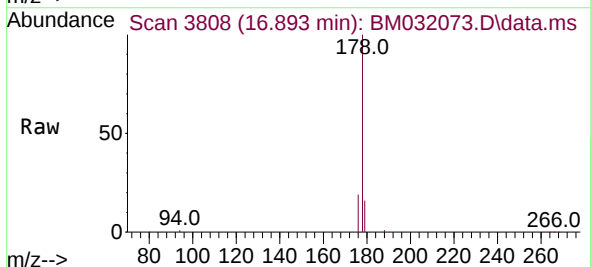
Tgt Ion:166 Resp: 440  
Ion Ratio Lower Upper  
166 100  
165 107.0 78.3 117.5  
167 35.4 12.5 18.7#

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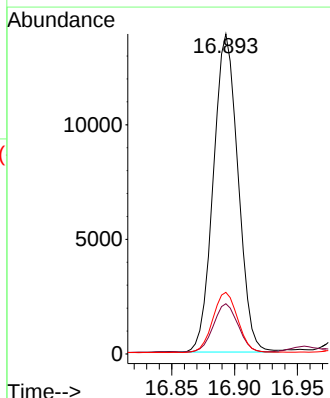
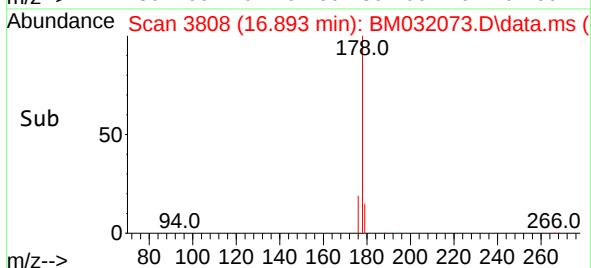
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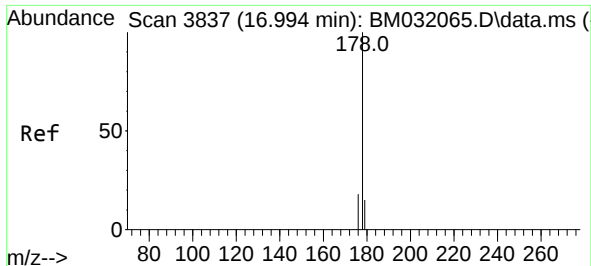


#15  
Phenanthrene  
Concen: 1.071 ng/u1  
RT: 16.893 min Scan# 3808  
Delta R.T. -0.014 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



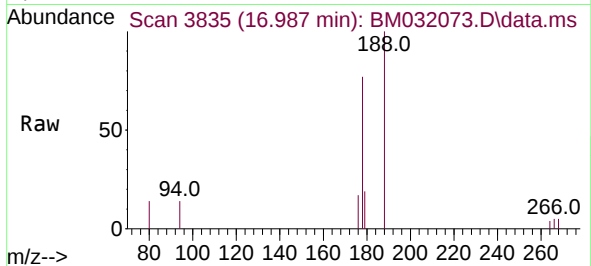
Tgt Ion:178 Resp: 18999  
Ion Ratio Lower Upper  
178 100  
179 15.7 13.3 19.9  
176 19.2 16.7 25.1





#16  
 Anthracene  
 Concen: 0.080 ng/ul  
 RT: 16.987 min Scan# 3835  
 Delta R.T. -0.021 min  
 Lab File: BM032073.D  
 Acq: 04 Sep 2021 12:19

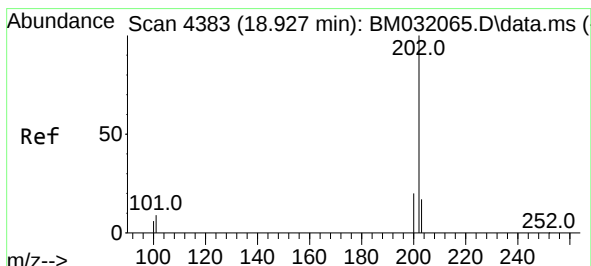
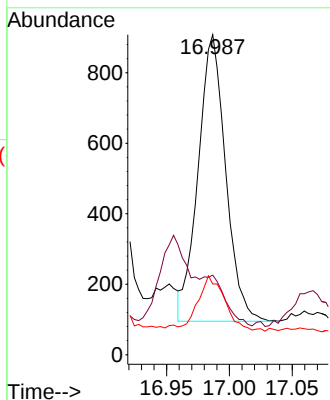
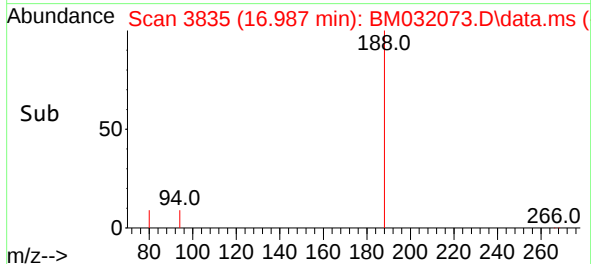
Instrument :  
 BNA\_M  
 ClientSampled :  
 C0AW5



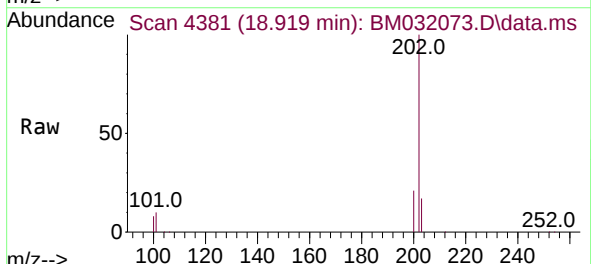
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|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 1238  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 24.9  | 14.3  | 21.5# |
| 176       | 22.1  | 15.8  | 23.8  |

Manual Integrations  
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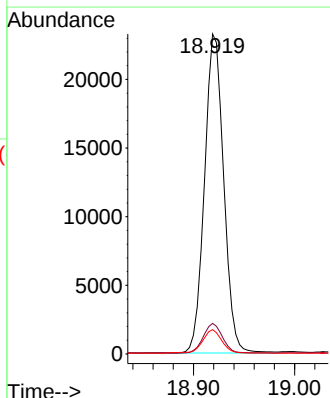
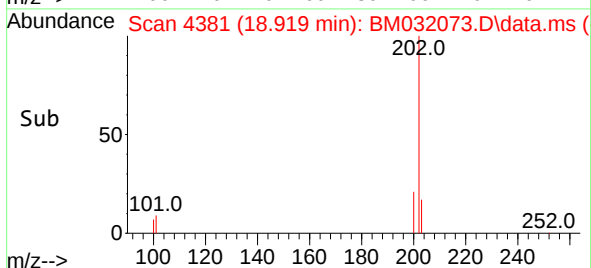
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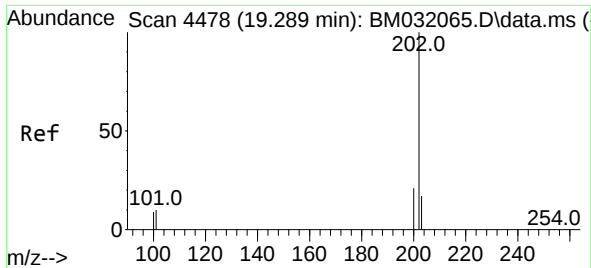


#19  
 Fluoranthene  
 Concen: 1.486 ng/ul  
 RT: 18.919 min Scan# 4381  
 Delta R.T. -0.015 min  
 Lab File: BM032073.D  
 Acq: 04 Sep 2021 12:19



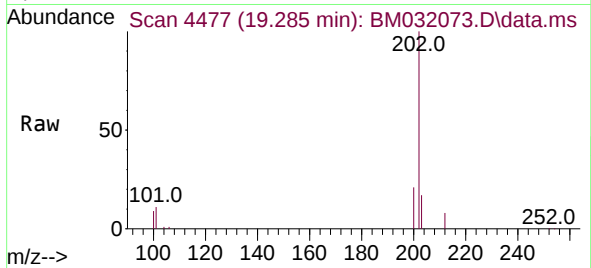
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|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 30676 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.6   | 7.2   | 10.8  |
| 100       | 7.6   | 5.8   | 8.6   |





#20  
Pyrene  
Concen: 1.302 ng/ul  
RT: 19.285 min Scan# 4477  
Delta R.T. -0.015 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19

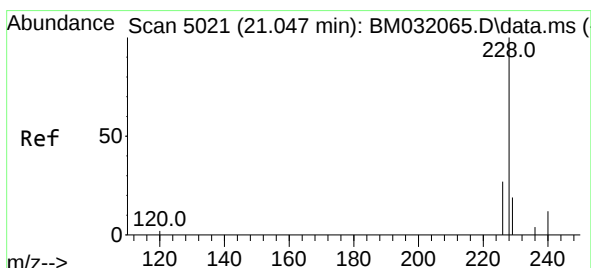
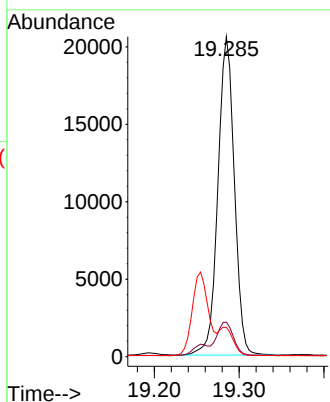
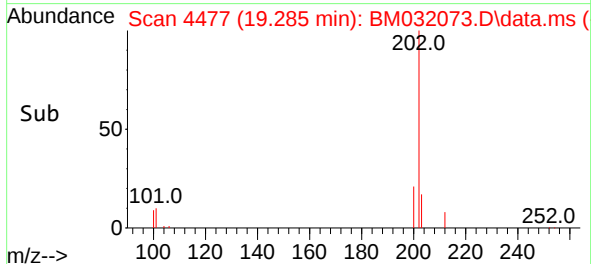
Instrument :  
BNA\_M  
ClientSampled :  
C0AW5



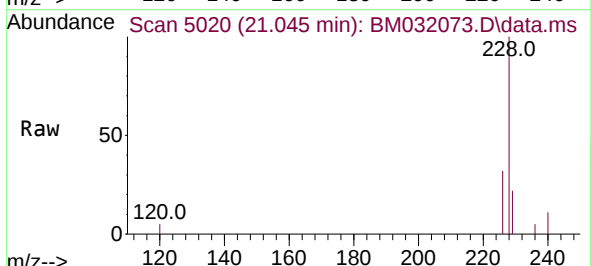
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Ion Ratio Lower Upper  
202 100  
101 10.8 8.2 12.4  
100 9.2 7.0 10.6

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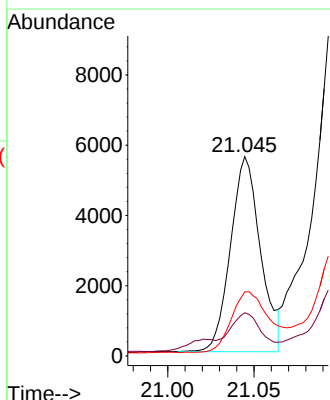
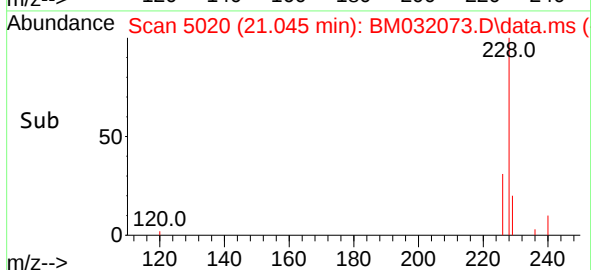
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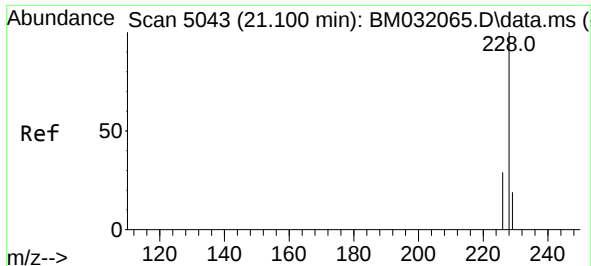


#21  
Benzo(a)anthracene  
Concen: 0.386 ng/ul  
RT: 21.045 min Scan# 5020  
Delta R.T. -0.015 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19

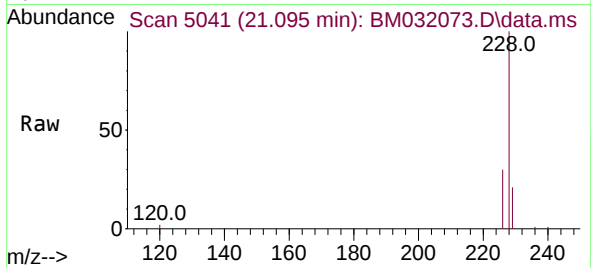


Tgt Ion:228 Resp: 6733  
Ion Ratio Lower Upper  
228 100  
229 21.7 17.1 25.7  
226 32.1 23.1 34.7

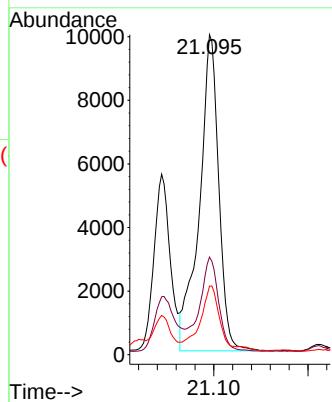
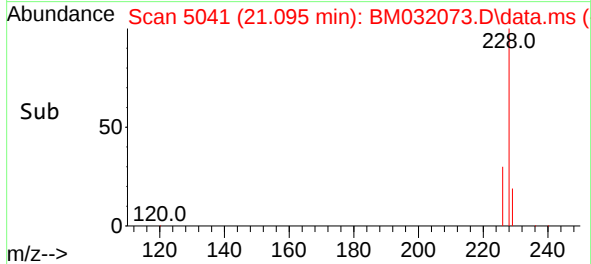




#22  
Chrysene  
Concen: 0.708 ng/ul  
RT: 21.095 min Scan# 5041  
Delta R.T. -0.014 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



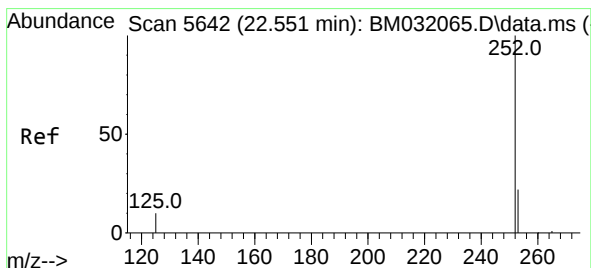
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.2  | 36.2  |
| 229     | 21.4  | 16.3  | 24.5  |



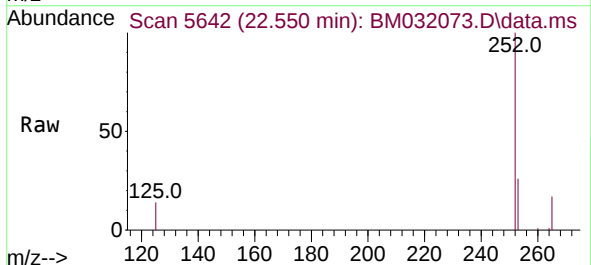
Instrument :  
BNA\_M  
ClientSampleId :  
C0AW5

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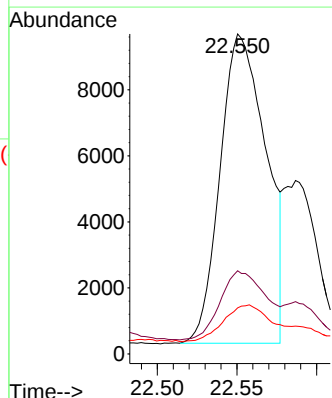
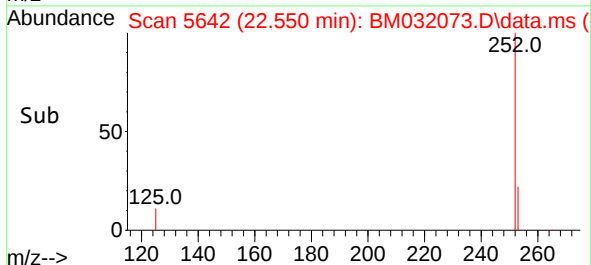
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9/7/2021 11:38:34 AM

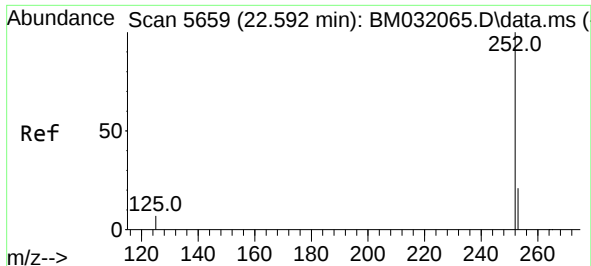


#24  
Benzo(b)fluoranthene  
Concen: 0.761 ng/ul m  
RT: 22.550 min Scan# 5642  
Delta R.T. -0.015 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19

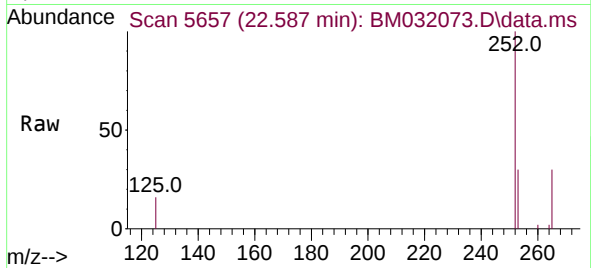


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.0  | 0.0   | 61.0  |
| 125     | 14.4  | 0.0   | 28.4  |

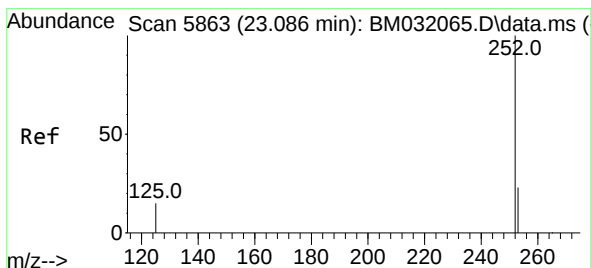
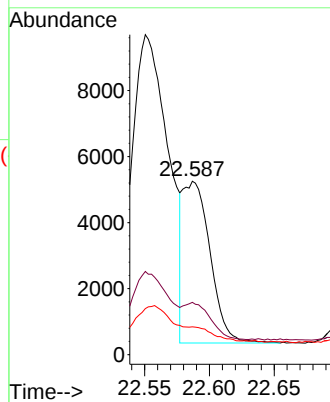
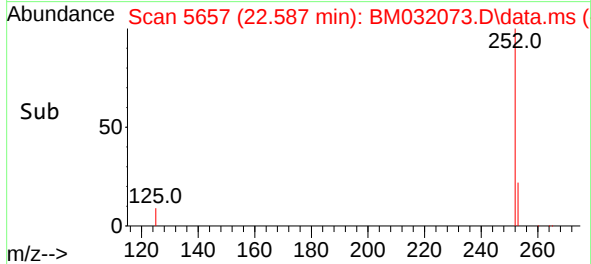




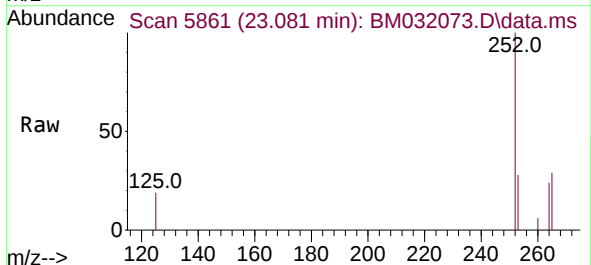
#25  
Benzo(k)fluoranthene  
Concen: 0.281 ng/ul m  
RT: 22.587 min Scan# 5657  
Delta R.T. -0.022 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



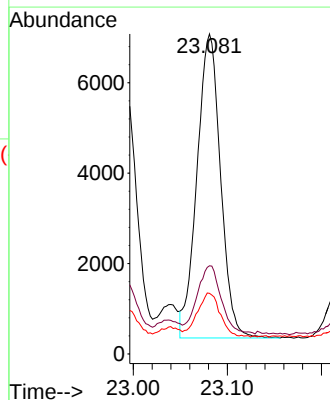
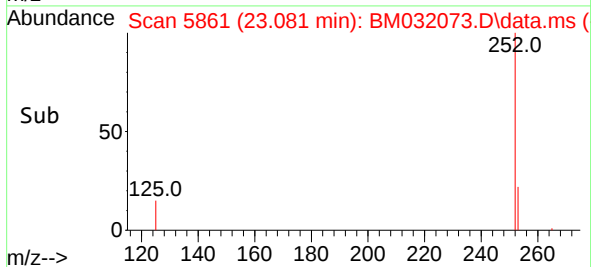
Tgt Ion:252 Resp: 7138  
Ion Ratio Lower Upper  
252 100  
253 30.2 25.2 37.8  
125 16.1 11.0 16.4



#26  
Benzo(a)pyrene  
Concen: 0.543 ng/ul  
RT: 23.081 min Scan# 5861  
Delta R.T. -0.024 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



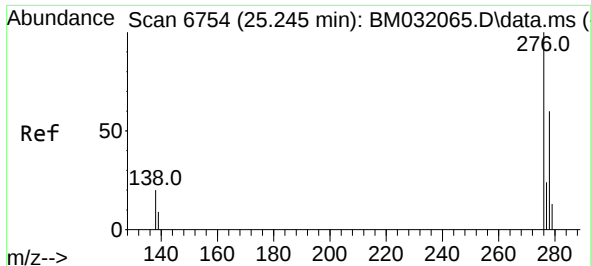
Tgt Ion:252 Resp: 11697  
Ion Ratio Lower Upper  
252 100  
253 27.6 28.8 43.2#  
125 18.9 13.9 20.9



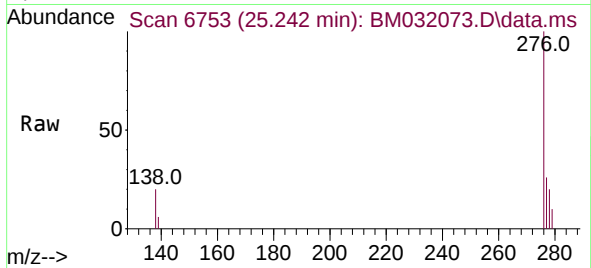
Instrument :  
BNA\_M  
ClientSampleId :  
C0AW5

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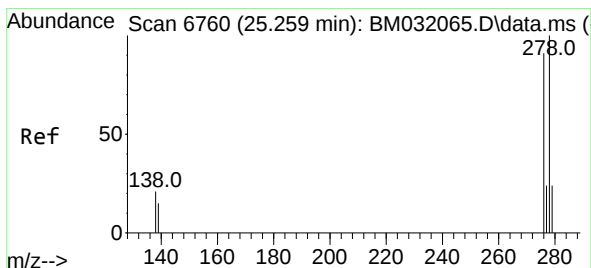
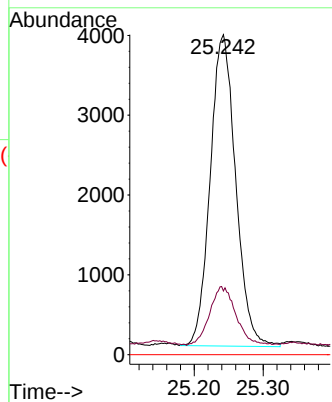
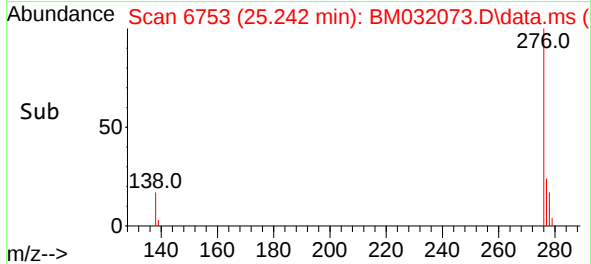
mohammad  
9/7/2021 11:38:34 AM



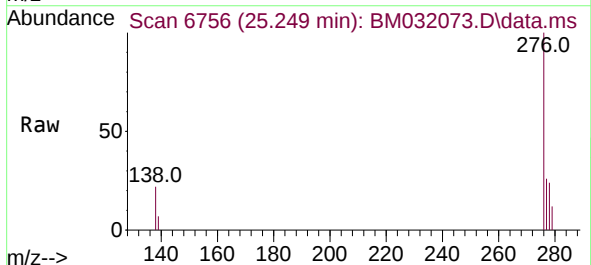
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.341 ng/ul  
RT: 25.242 min Scan# 6753  
Delta R.T. -0.029 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



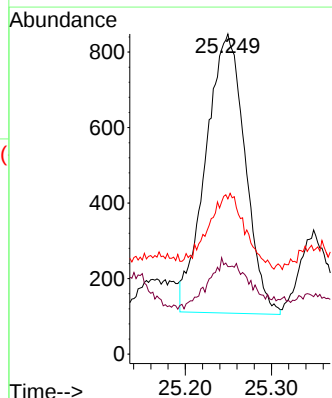
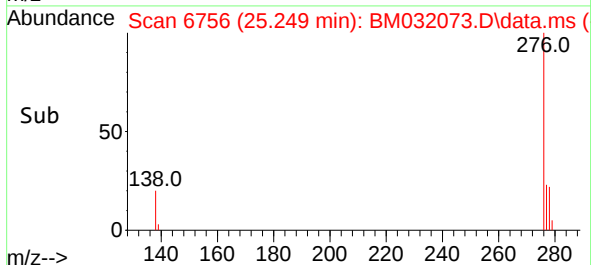
Tgt Ion: 276 Resp: 10008  
Ion Ratio Lower Upper  
276 100  
138 19.6 14.1 21.1  
227 0.0 0.0 0.0



#28  
Dibenzo(a,h)anthracene  
Concen: 0.099 ng/ul  
RT: 25.249 min Scan# 6756  
Delta R.T. -0.036 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19



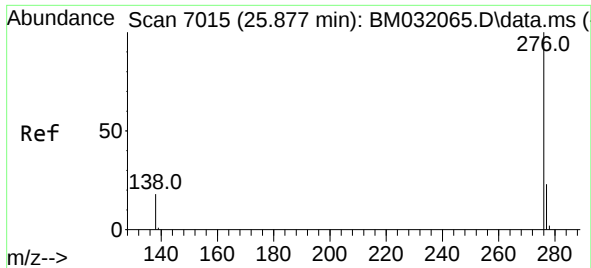
Tgt Ion: 278 Resp: 2340  
Ion Ratio Lower Upper  
278 100  
139 27.4 13.4 20.0#  
279 48.5 27.2 40.8#



Instrument :  
BNA\_M  
ClientSampleId :  
C0AW5

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#29  
Benzo(g,h,i)perylene  
Concen: 0.340 ng/ul  
RT: 25.872 min Scan# 7013  
Delta R.T. -0.031 min  
Lab File: BM032073.D  
Acq: 04 Sep 2021 12:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 8891  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 21.7  | 14.5  | 21.7  |
| 277      | 26.5  | 21.2  | 31.8  |

Instrument :  
BNA\_M  
ClientSampleId :  
C0AW5

Manual Integrations  
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9/7/2021 11:38:34 AM

