

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072921\  
 Data File : BM031263.D  
 Acq On : 30 Jul 2021 00:05  
 Operator : CG/JU  
 Sample : M3084-13  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0031

Manual Integrations  
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 7/30/2021 12:02:32 PM

Quant Time: Jul 30 03:42:39 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 : Wed Jul 28 15:20:04 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.614  | 152  | 1442     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.374 | 136  | 5438     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.243 | 164  | 3342     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.989 | 188  | 6451     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.178 | 240  | 5164     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.346 | 264  | 5158     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.199  | 96   | 4205     | 2.626 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.971 | 152  | 1406     | 0.153 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.020 | 212  | 3120     | 0.181 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.424 | 128  | 2220     | 0.137 | ng/ul  | 95       |
| 7) 2-Methylnaphthalene      | 12.043 | 142  | 1050     | 0.095 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.263 | 142  | 875      | 0.080 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.307 | 153  | 857      | 0.072 | ng/ul  | 98       |
| 12) Fluorene                | 15.297 | 166  | 1389     | 0.101 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.030 | 178  | 24003    | 1.172 | ng/ul  | 98       |
| 16) Anthracene              | 17.120 | 178  | 4826     | 0.252 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.050 | 202  | 25735    | 1.167 | ng/ul  | 98       |
| 20) Pyrene                  | 19.416 | 202  | 20178    | 0.902 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.164 | 228  | 9914     | 0.475 | ng/ul  | 98       |
| 22) Chrysene                | 21.214 | 228  | 9672     | 0.448 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.701 | 252  | 11141m   | 0.479 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.742 | 252  | 4263m    | 0.178 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.251 | 252  | 7716     | 0.379 | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.490 | 276  | 4814     | 0.183 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.499 | 278  | 1367     | 0.064 | ng/ul# | 51       |
| 29) Benzo(g,h,i)perylene    | 26.144 | 276  | 3506     | 0.156 | ng/ul# | 91       |
| -----                       |        |      |          |       |        |          |

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

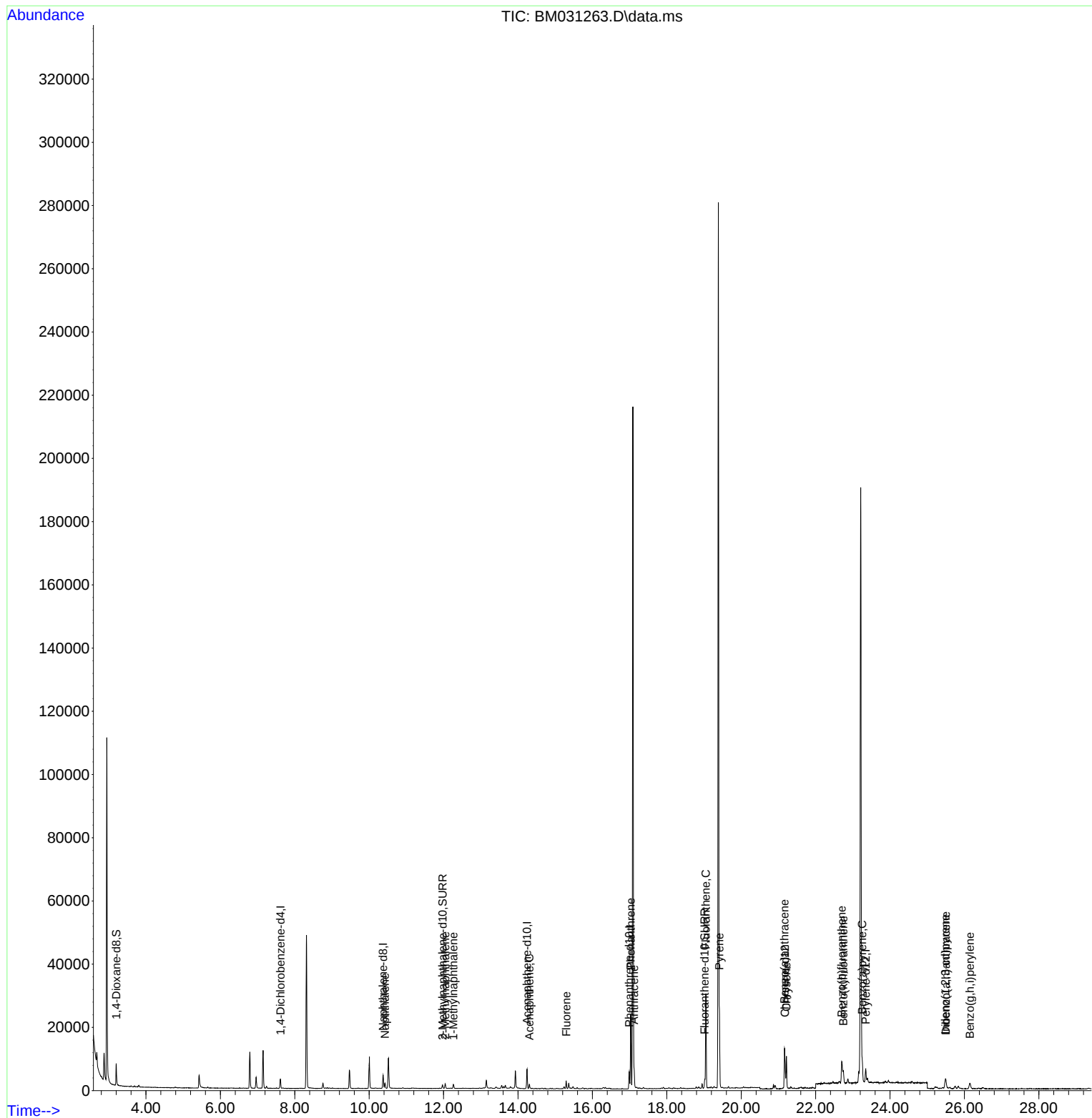
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Data File : BM031263.D  
Acq On : 30 Jul 2021 00:05  
Operator : CG/JU  
Sample : M3084-13  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

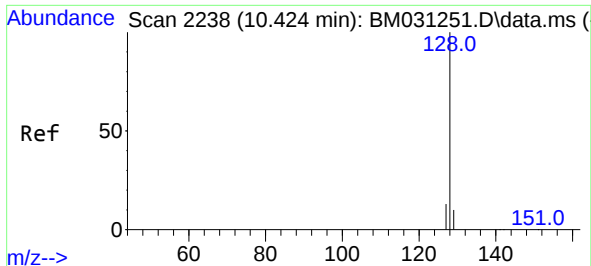
Instrument :  
BNA\_M  
ClientSampleId :  
C0031

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Quant Time: Jul 30 03:42:39 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 : Wed Jul 28 15:20:04 2021  
Response via : Initial Calibration





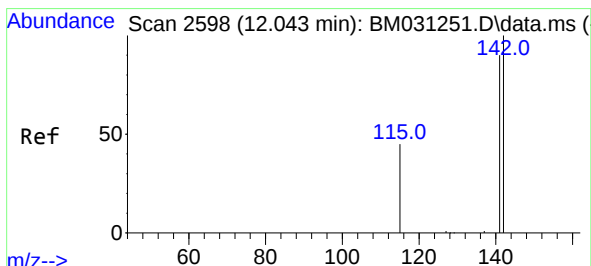
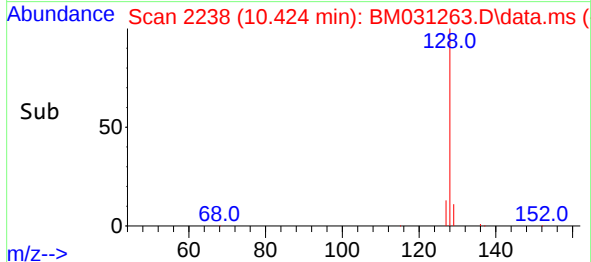
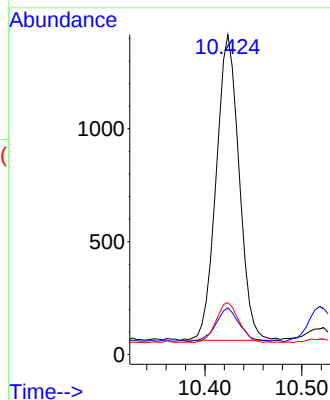
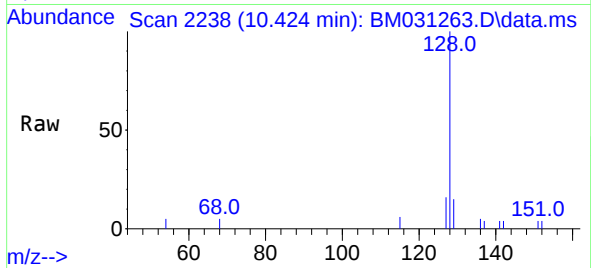
#5  
Naphthalene  
Concen: 0.137 ng/ul  
RT: 10.424 min Scan# 2238  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 2220 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 14.6  | 10.0  | 15.0 |
| 127       | 16.2  | 11.6  | 17.4 |

Instrument :  
BNA\_M  
ClientSampled :  
C0031

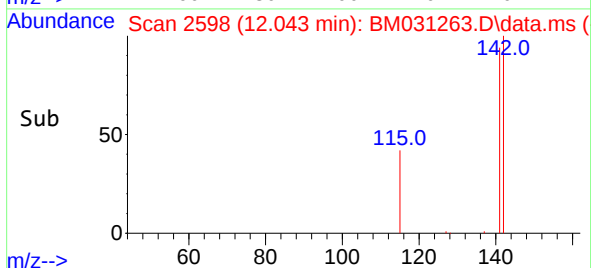
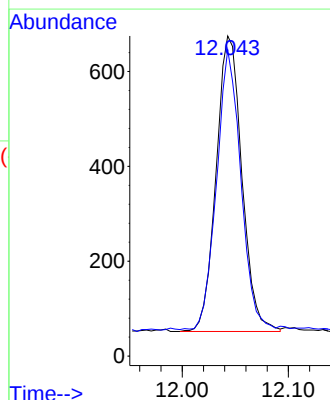
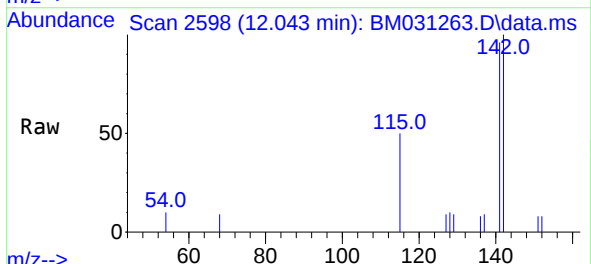
Manual Integrations  
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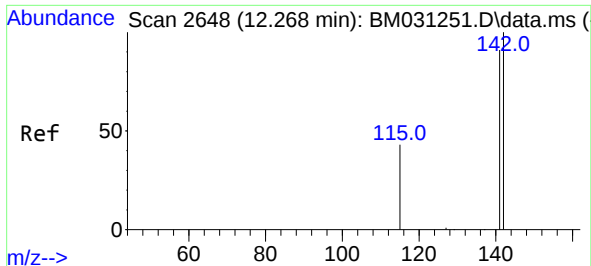
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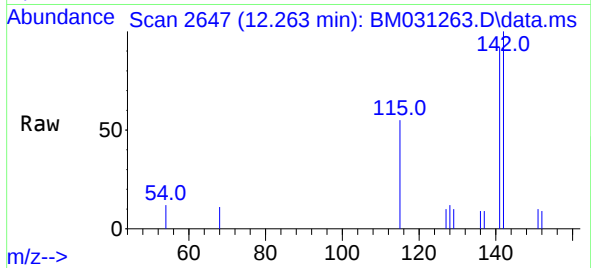
#7  
2-Methylnaphthalene  
Concen: 0.095 ng/ul  
RT: 12.043 min Scan# 2598  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1050  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.7  | 71.4  | 107.0 |

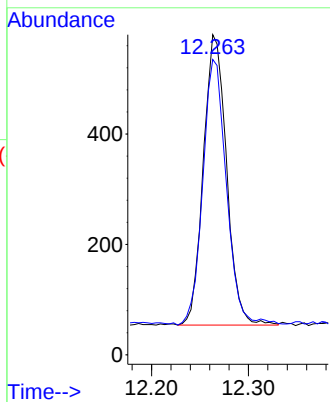
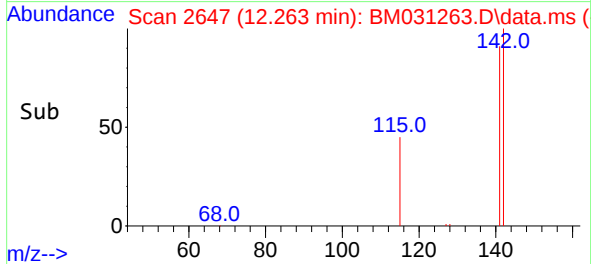




#8  
1-Methylnaphthalene  
Concen: 0.080 ng/ul  
RT: 12.263 min Scan# 2647  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05



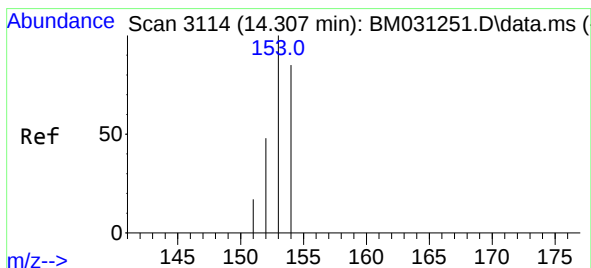
Tgt Ion:142 Resp: 875  
Ion Ratio Lower Upper  
142 100  
141 93.5 74.1 111.1



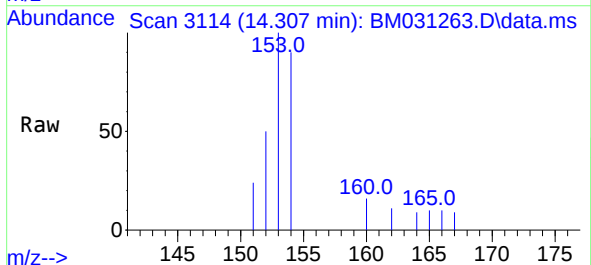
Instrument :  
BNA\_M  
ClientSampled :  
C0031

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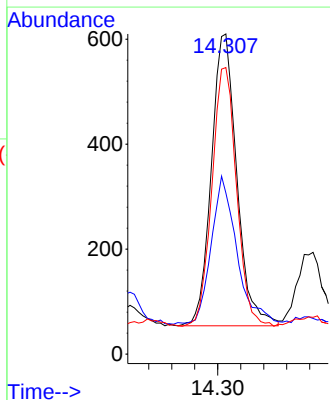
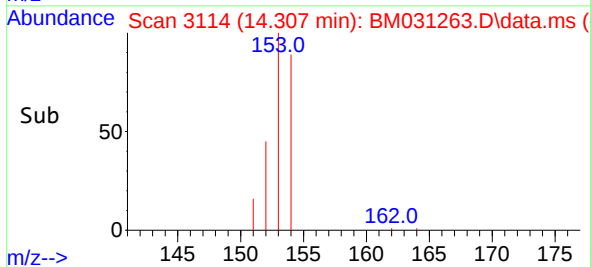
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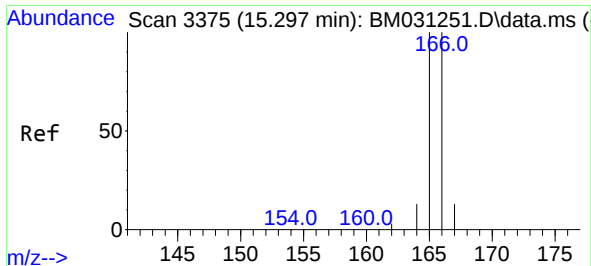


#11  
Acenaphthene  
Concen: 0.072 ng/ul  
RT: 14.307 min Scan# 3114  
Delta R.T. -0.000 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05



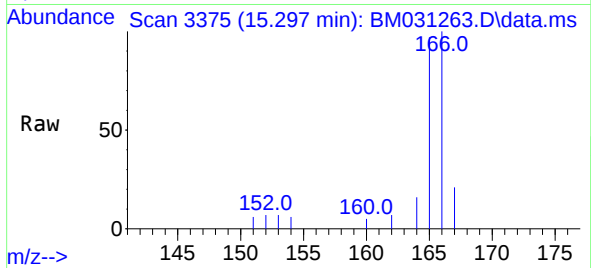
Tgt Ion:153 Resp: 857  
Ion Ratio Lower Upper  
153 100  
152 50.3 40.7 61.1  
154 89.5 70.2 105.2





#12  
Fluorene  
Concen: 0.101 ng/ul  
RT: 15.297 min Scan# 3375  
Delta R.T. -0.004 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

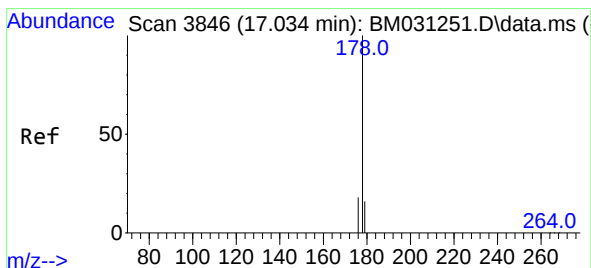
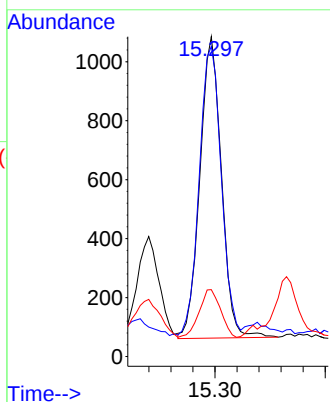
Instrument :  
BNA\_M  
ClientSampled :  
C0031



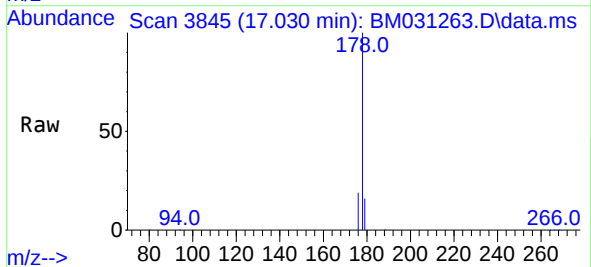
Tgt Ion:166 Resp: 1389  
Ion Ratio Lower Upper  
166 100  
165 97.0 78.0 117.0  
167 20.9 12.0 18.0#

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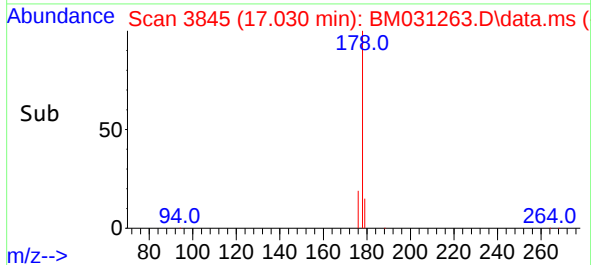
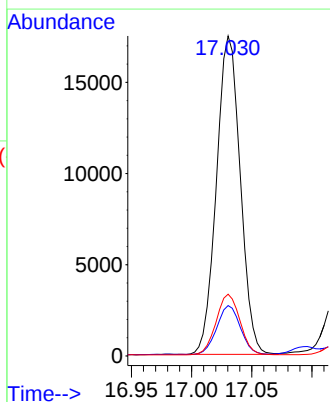
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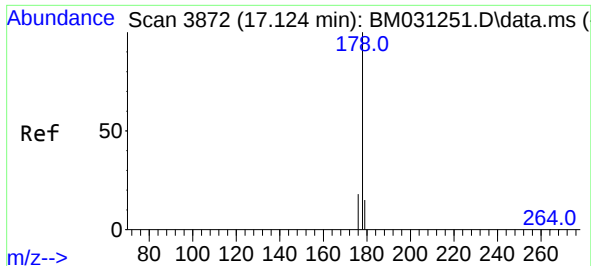


#15  
Phenanthrene  
Concen: 1.172 ng/ul  
RT: 17.030 min Scan# 3845  
Delta R.T. -0.004 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

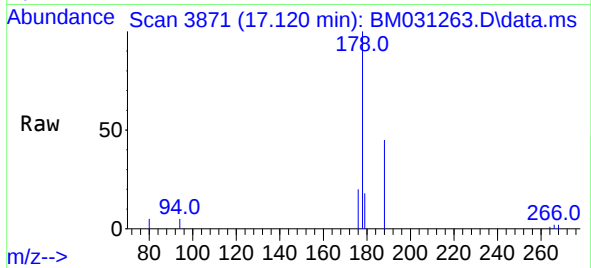


Tgt Ion:178 Resp: 24003  
Ion Ratio Lower Upper  
178 100  
179 15.8 13.3 19.9  
176 19.3 16.2 24.4

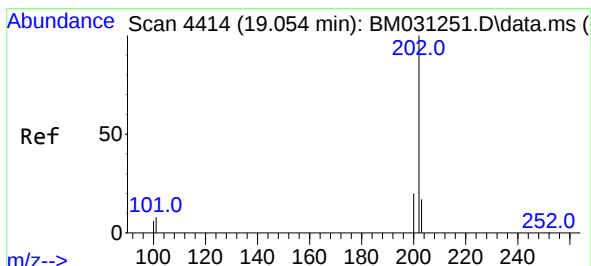
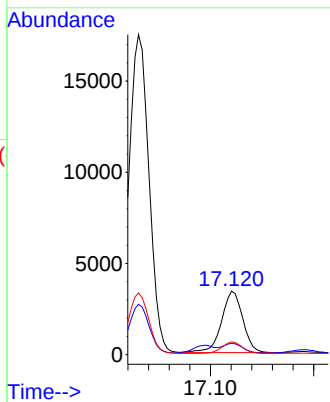
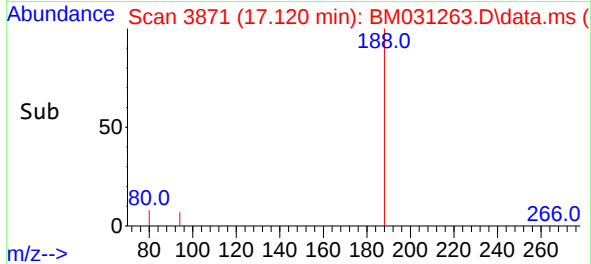




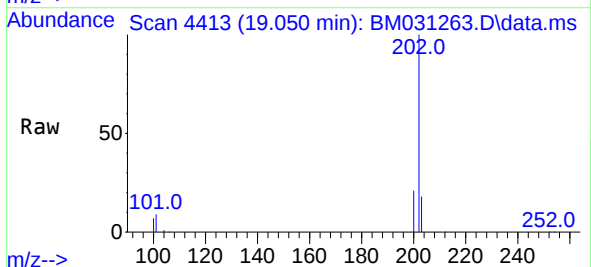
#16  
 Anthracene  
 Concen: 0.252 ng/ul  
 RT: 17.120 min Scan# 3871  
 Delta R.T. -0.004 min  
 Lab File: BM031263.D  
 Acq: 30 Jul 2021 00:05



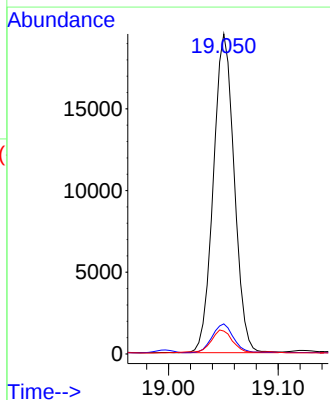
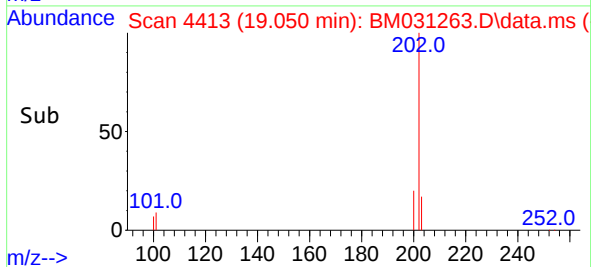
Tgt Ion:178 Resp: 4826  
 Ion Ratio Lower Upper  
 178 100  
 179 17.6 13.0 19.6  
 176 20.1 15.6 23.4



#19  
 Fluoranthene  
 Concen: 1.167 ng/ul  
 RT: 19.050 min Scan# 4413  
 Delta R.T. -0.004 min  
 Lab File: BM031263.D  
 Acq: 30 Jul 2021 00:05



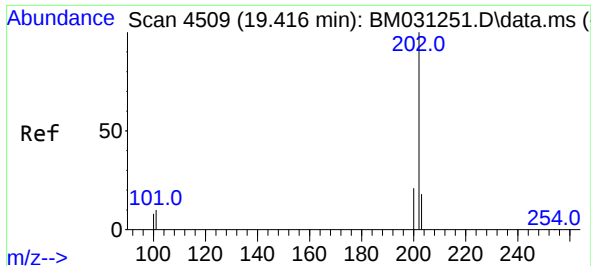
Tgt Ion:202 Resp: 25735  
 Ion Ratio Lower Upper  
 202 100  
 101 9.4 6.6 10.0  
 100 7.2 5.4 8.0



Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0031

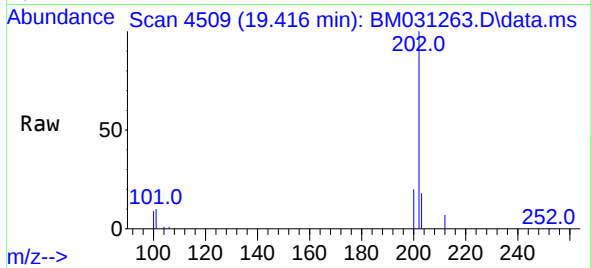
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#20  
Pyrene  
Concen: 0.902 ng/ul  
RT: 19.416 min Scan# 4509  
Delta R.T. -0.000 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

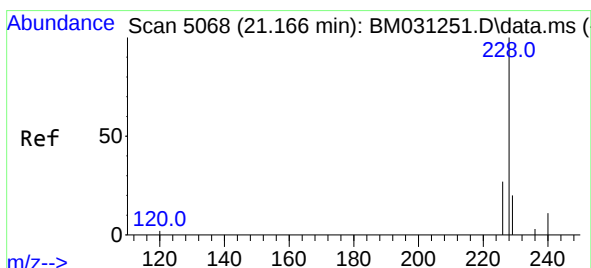
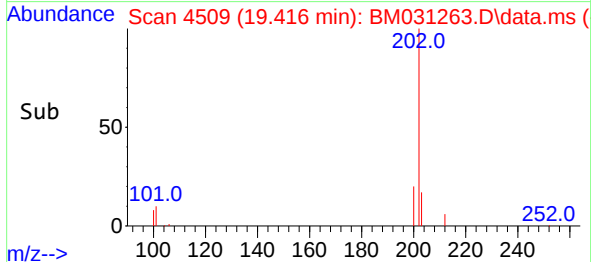
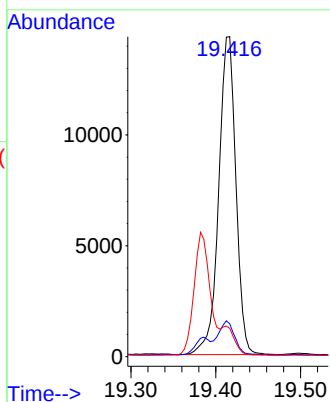
Instrument :  
BNA\_M  
ClientSampled :  
C0031



Tgt Ion:202 Resp: 20178  
Ion Ratio Lower Upper  
202 100  
101 10.3 7.8 11.6  
100 8.9 6.6 10.0

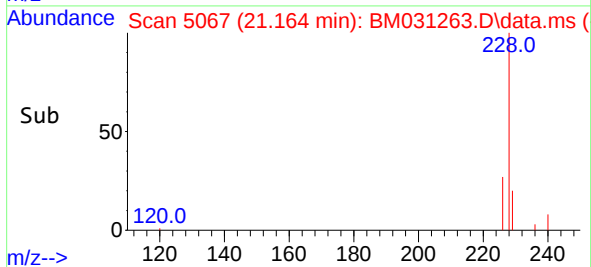
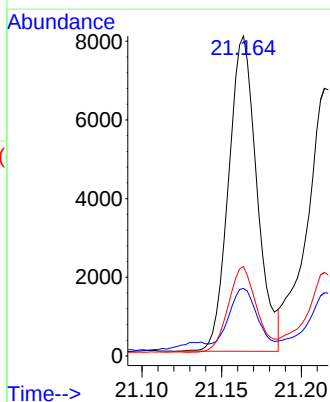
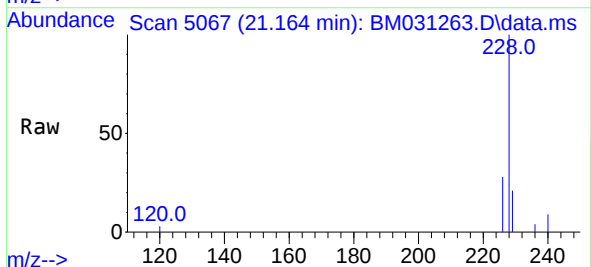
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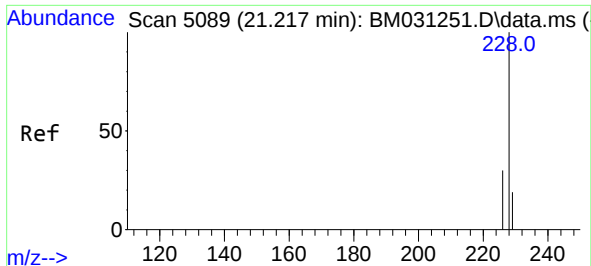
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#21  
Benzo(a)anthracene  
Concen: 0.475 ng/ul  
RT: 21.164 min Scan# 5067  
Delta R.T. -0.002 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

Tgt Ion:228 Resp: 9914  
Ion Ratio Lower Upper  
228 100  
229 21.1 15.6 23.4  
226 27.9 21.7 32.5





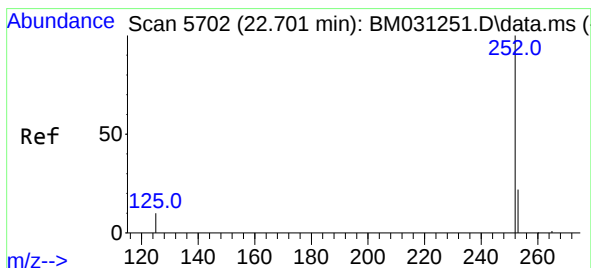
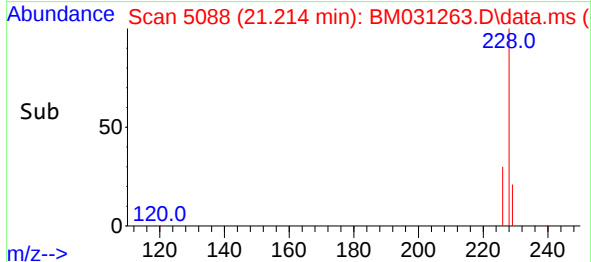
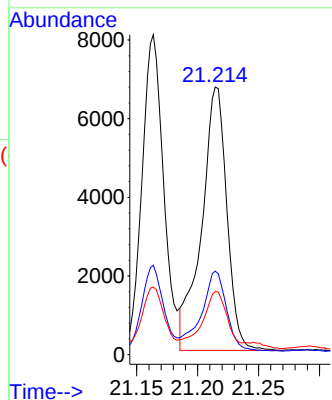
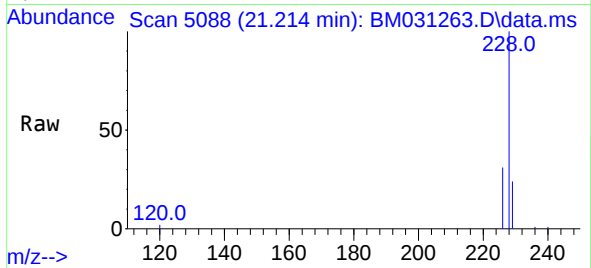
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Chrysene  
Concen: 0.448 ng/ul  
RT: 21.214 min Scan# 5088  
Delta R.T. -0.002 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 9672 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.2  | 24.7  | 37.1 |
| 229       | 23.6  | 16.2  | 24.2 |

Instrument :  
BNA\_M  
ClientSampled :  
C0031

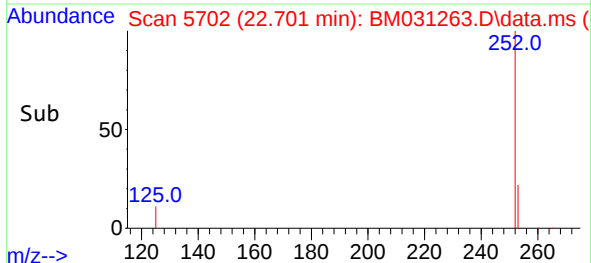
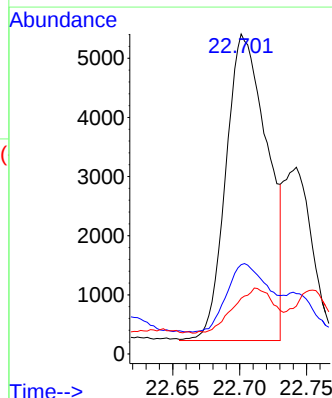
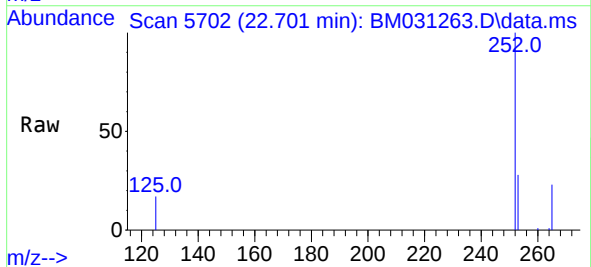
Manual Integrations  
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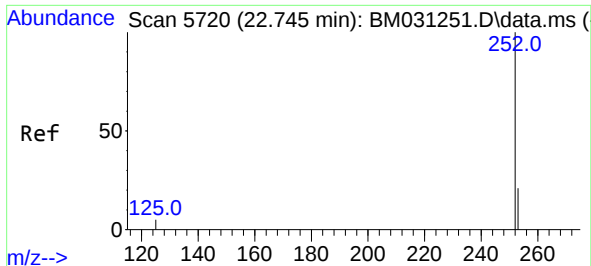
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#24  
Benzo(b)fluoranthene  
Concen: 0.479 ng/ul m  
RT: 22.701 min Scan# 5702  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 11141 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.9  | 0.0   | 53.0  |
| 125       | 17.4  | 0.0   | 22.8  |





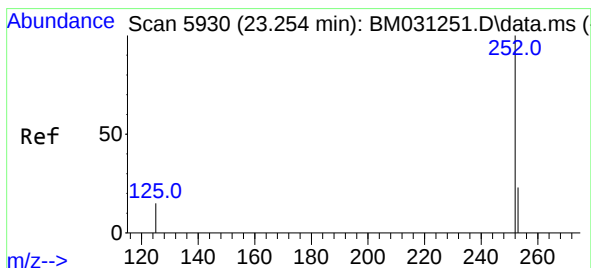
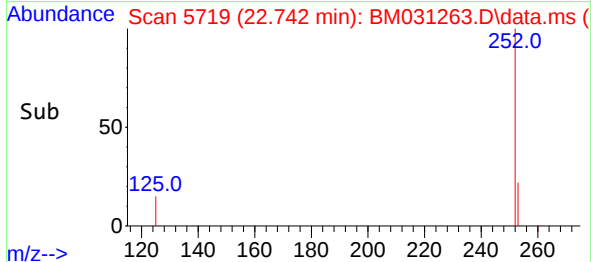
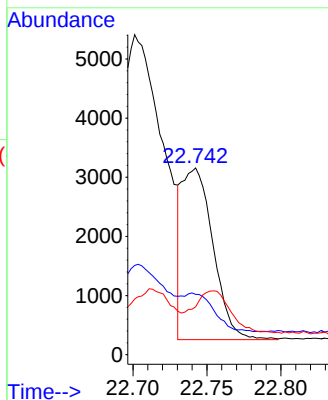
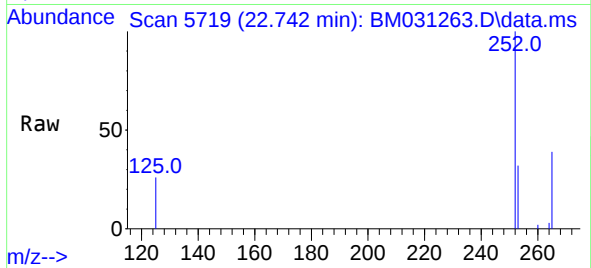
#25  
Benzo(k)fluoranthene  
Concen: 0.178 ng/ul m  
RT: 22.742 min Scan# 5719  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

Tgt Ion:252 Resp: 4263  
Ion Ratio Lower Upper  
252 100  
253 32.3 21.3 31.9#  
125 25.6 8.8 13.2#

Instrument :  
BNA\_M  
ClientSampled :  
C0031

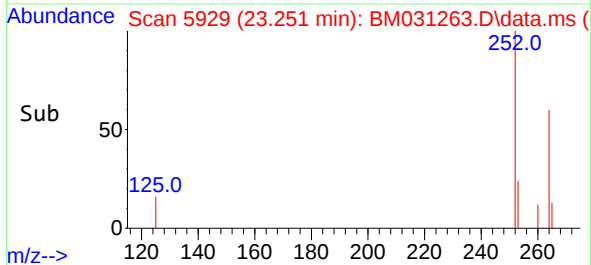
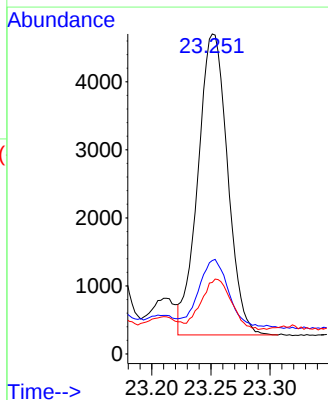
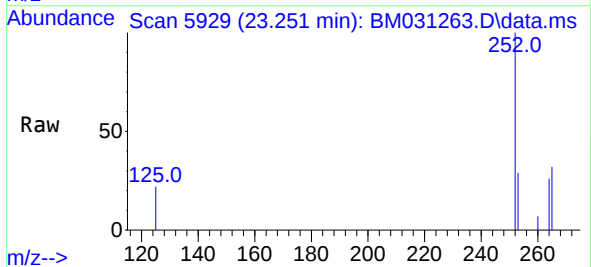
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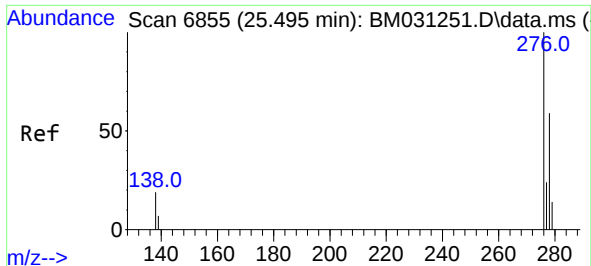
mohammad  
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#26  
Benzo(a)pyrene  
Concen: 0.379 ng/ul  
RT: 23.251 min Scan# 5929  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

Tgt Ion:252 Resp: 7716  
Ion Ratio Lower Upper  
252 100  
253 29.2 22.4 33.6  
125 22.4 13.0 19.4#





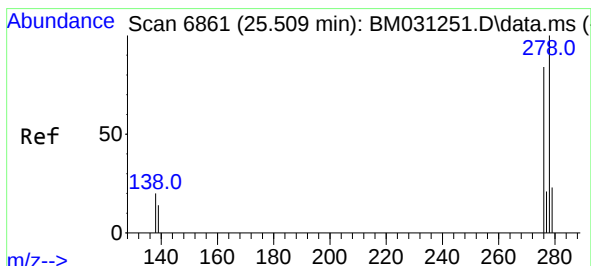
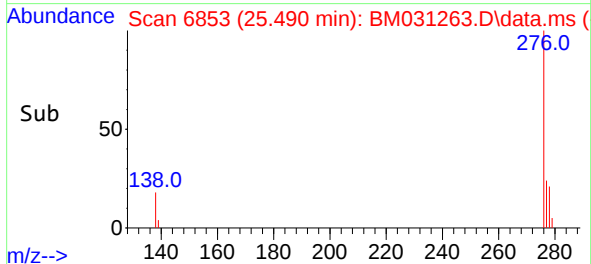
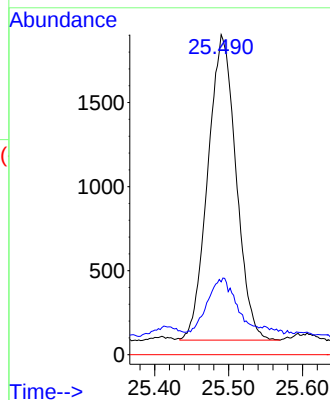
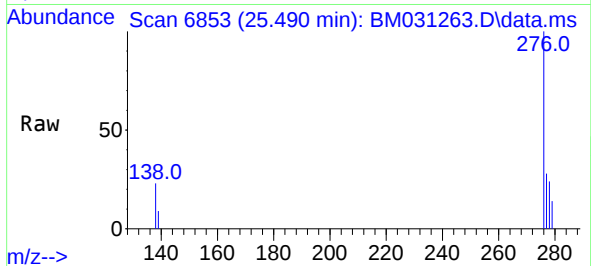
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.183 ng/ul  
RT: 25.490 min Scan# 6853  
Delta R.T. -0.007 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

Tgt Ion: 276 Resp: 4814  
Ion Ratio Lower Upper  
276 100  
138 19.7 15.8 23.8  
227 0.0 0.0 0.0

Instrument :  
BNA\_M  
ClientSampled :  
C0031

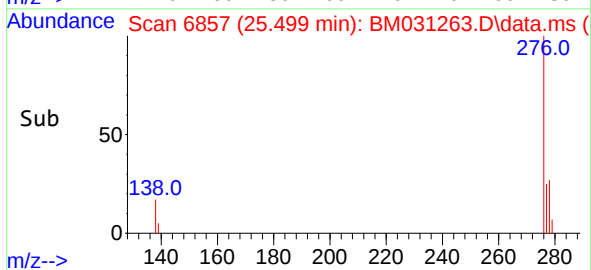
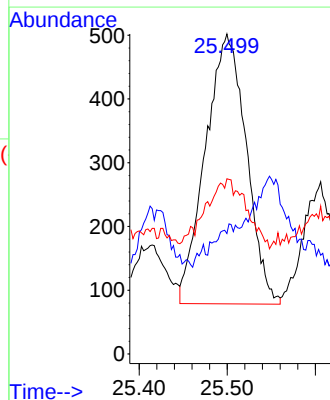
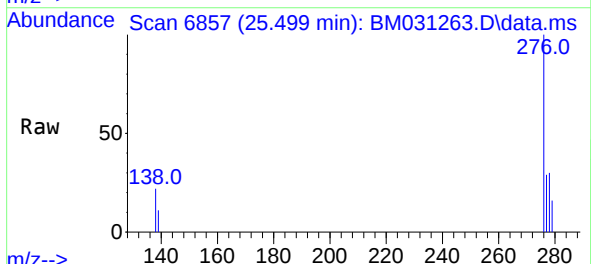
Manual Integrations  
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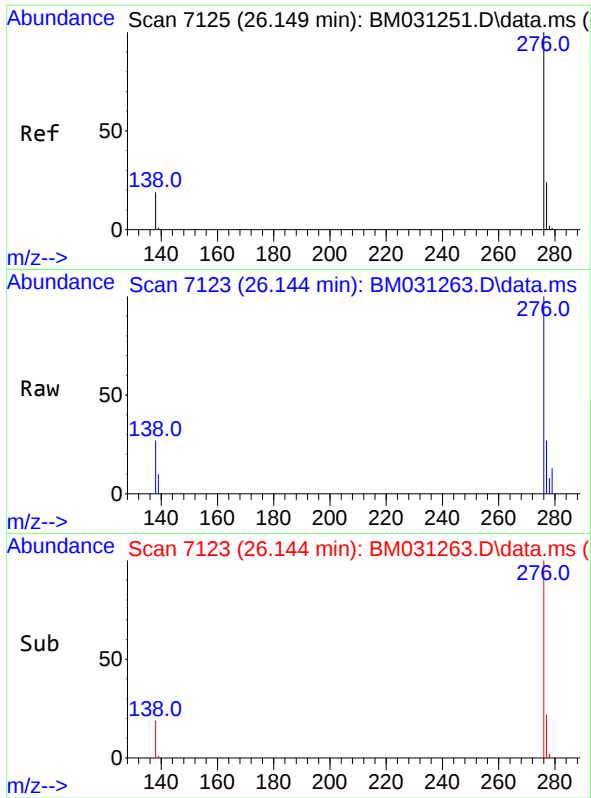
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#28  
Dibenzo(a,h)anthracene  
Concen: 0.064 ng/ul  
RT: 25.499 min Scan# 6857  
Delta R.T. -0.015 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

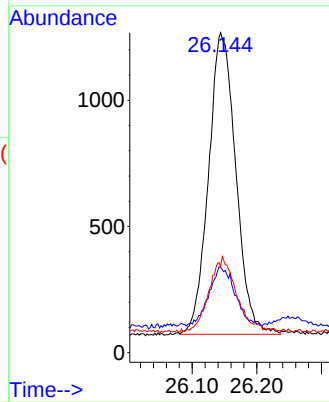
Tgt Ion: 278 Resp: 1367  
Ion Ratio Lower Upper  
278 100  
139 37.6 13.3 19.9#  
279 54.8 22.8 34.2#





#29  
Benzo(g,h,i)perylene  
Concen: 0.156 ng/ul  
RT: 26.144 min Scan# 7123  
Delta R.T. -0.005 min  
Lab File: BM031263.D  
Acq: 30 Jul 2021 00:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.7  | 15.4  | 23.2# |
| 277     | 27.0  | 19.9  | 29.9  |



Instrument :  
BNA\_M  
ClientSampleId :  
C0031

Manual Integrations  
APPROVED

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