

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072921\  
 Data File : BM031270.D  
 Acq On : 30 Jul 2021 09:24  
 Operator : CG/JU  
 Sample : M3084-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0021

Manual Integrations  
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Quant Time: Jul 30 09:59:14 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 Jul 30 09:57:24 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.611  | 152  | 1527     | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.370 | 136  | 5818     | 0.40 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.239 | 164  | 3734     | 0.40 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.988 | 188  | 7243     | 0.40 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.178 | 240  | 6239     | 0.40 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.343 | 264  | 5979     | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |      |        |          |
| 3) 1,4-Dioxane-d8           | 3.199  | 96   | 3745     | 2.21 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.962 | 152  | 1383     | 0.14 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.020 | 212  | 2955     | 0.14 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      | Qvalue |          |
| 5) Naphthalene              | 10.419 | 128  | 14089    | 0.81 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.038 | 142  | 10362    | 0.88 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.263 | 142  | 5900     | 0.50 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.963 | 152  | 6152     | 0.39 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.303 | 153  | 1102     | 0.08 | ng/ul  | 96       |
| 12) Fluorene                | 15.293 | 166  | 1359     | 0.09 | ng/ul# | 78       |
| 15) Phenanthrene            | 17.027 | 178  | 52356    | 2.28 | ng/ul  | 97       |
| 16) Anthracene              | 17.120 | 178  | 7606     | 0.35 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.050 | 202  | 86114    | 3.23 | ng/ul  | 98       |
| 20) Pyrene                  | 19.413 | 202  | 72645    | 2.69 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.164 | 228  | 39999    | 1.59 | ng/ul  | 94       |
| 22) Chrysene                | 21.214 | 228  | 54419    | 2.09 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.703 | 252  | 78296m   | 2.91 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.740 | 252  | 23856m   | 0.86 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.251 | 252  | 44109    | 1.87 | ng/ul  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.490 | 276  | 39685    | 1.30 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.497 | 278  | 10079    | 0.41 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 26.146 | 276  | 36176    | 1.39 | ng/ul  | 98       |
| -----                       |        |      |          |      |        |          |

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

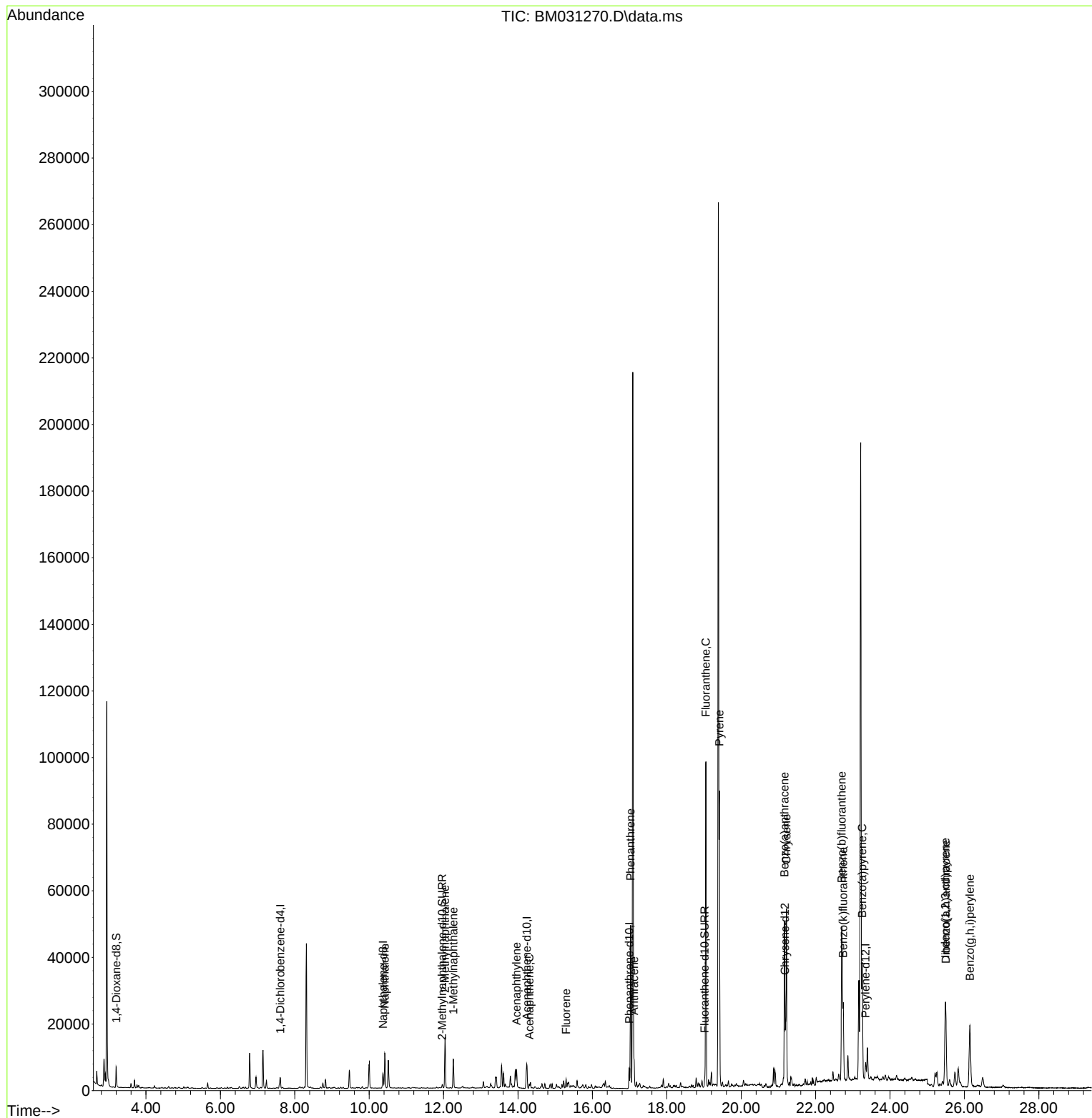
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Data File : BM031270.D  
Acq On : 30 Jul 2021 09:24  
Operator : CG/JU  
Sample : M3084-01  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

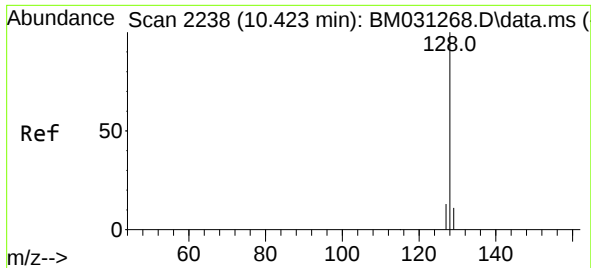
Instrument :  
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ClientSampleId :  
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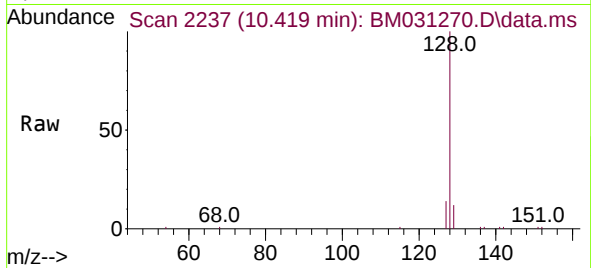
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Quant Time: Jul 30 09:59:14 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 30 09:57:24 2021  
Response via : Initial Calibration

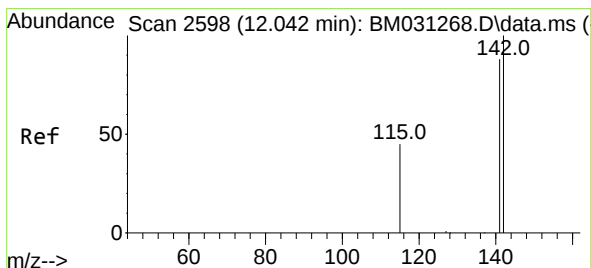
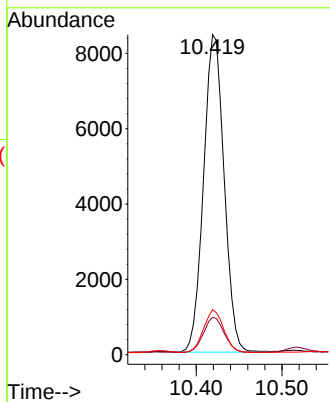
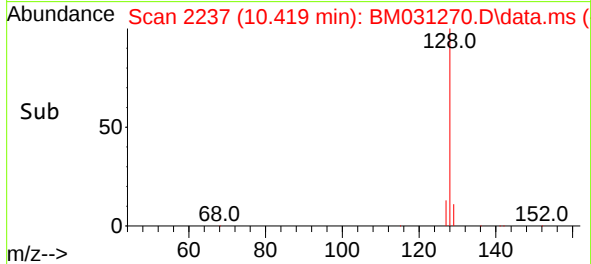




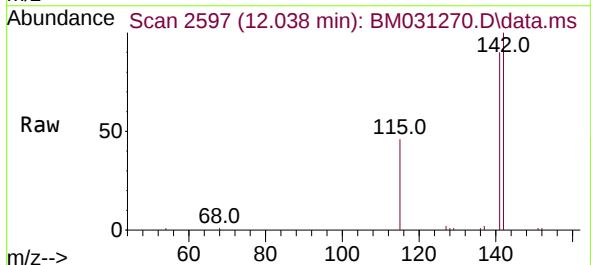
#5  
Naphthalene  
Concen: 0.81 ng/ul  
RT: 10.419 min Scan# 2237  
Delta R.T. -0.004 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24



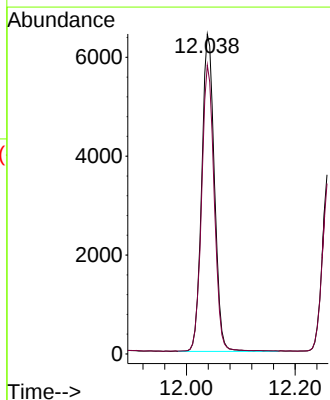
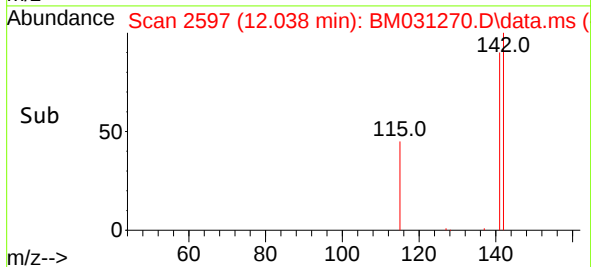
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 14089 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.7  | 10.0  | 15.0  |
| 127       | 14.0  | 11.6  | 17.4  |



#7  
2-Methylnaphthalene  
Concen: 0.88 ng/ul  
RT: 12.038 min Scan# 2597  
Delta R.T. -0.004 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24



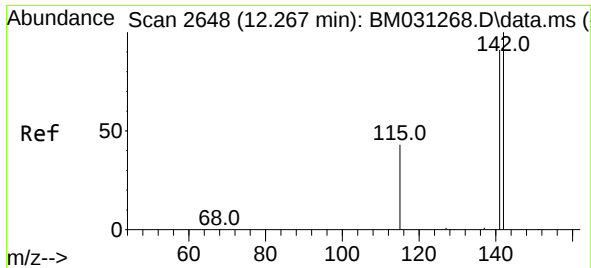
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|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 10362 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.5  | 71.4  | 107.0 |



Instrument :  
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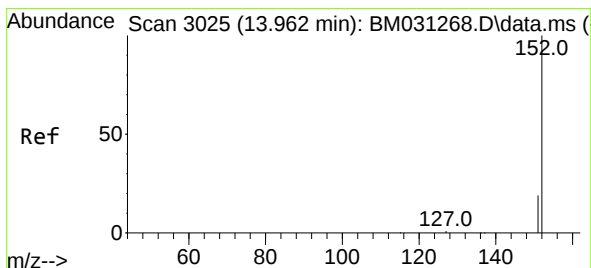
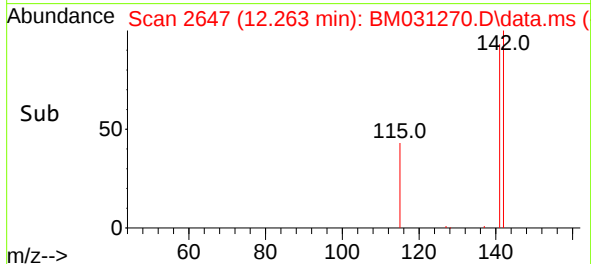
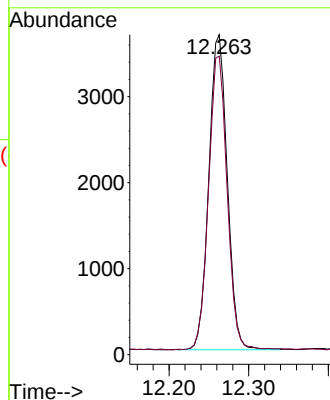
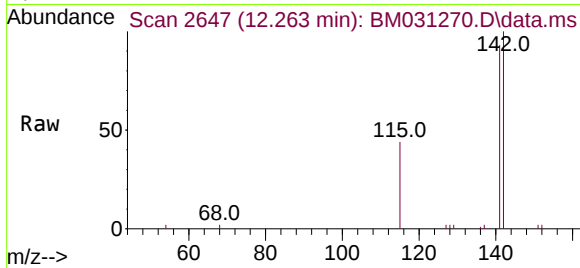
#8  
1-Methylnaphthalene  
Concen: 0.50 ng/ul  
RT: 12.263 min Scan# 2647  
Delta R.T. -0.004 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

Tgt Ion:142 Resp: 5900  
Ion Ratio Lower Upper  
142 100  
141 94.1 74.1 111.1

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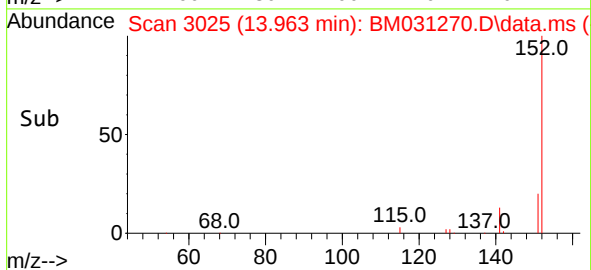
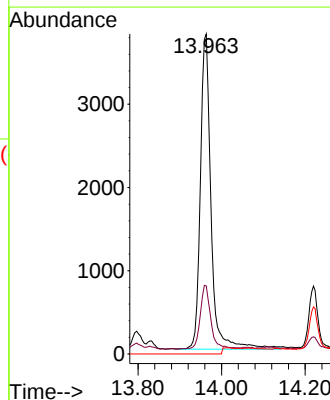
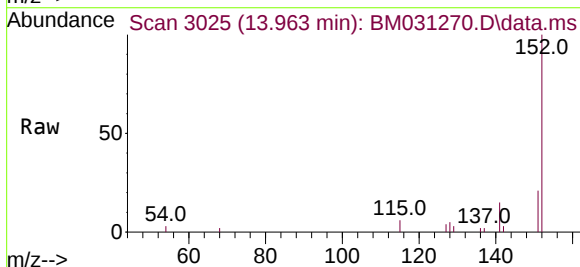
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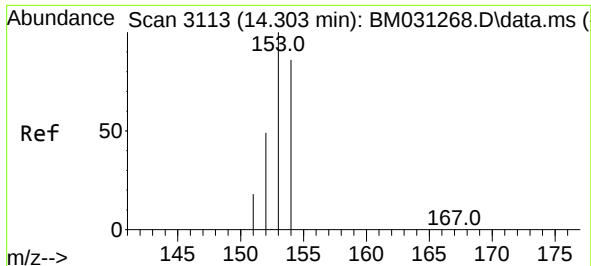
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#10  
Acenaphthylene  
Concen: 0.39 ng/ul  
RT: 13.963 min Scan# 3025  
Delta R.T. 0.001 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

Tgt Ion:152 Resp: 6152  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.9 25.3  
153 0.0 0.0 0.0





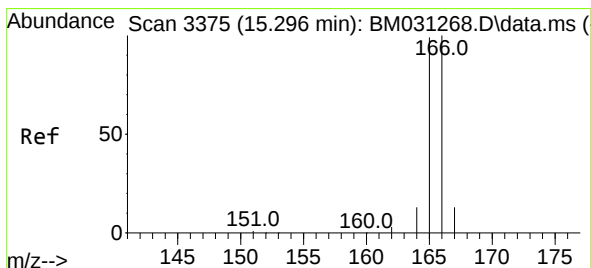
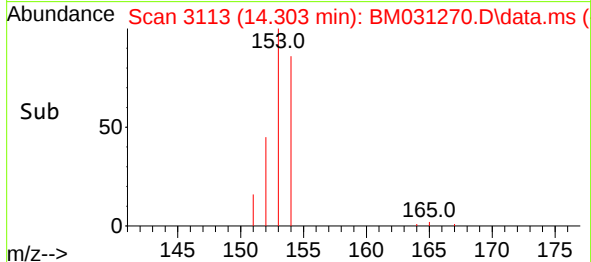
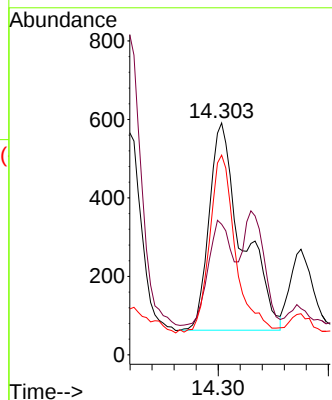
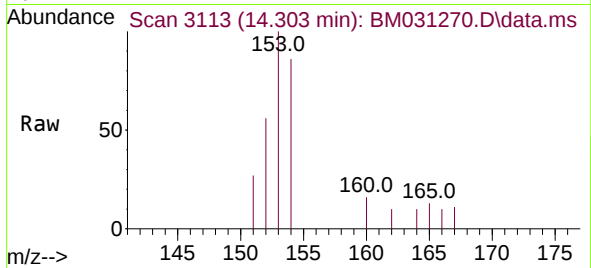
#11  
Acenaphthene  
Concen: 0.08 ng/ul  
RT: 14.303 min Scan# 3113  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

Tgt Ion:153 Resp: 1102  
Ion Ratio Lower Upper  
153 100  
152 56.3 40.7 61.1  
154 86.1 70.2 105.2

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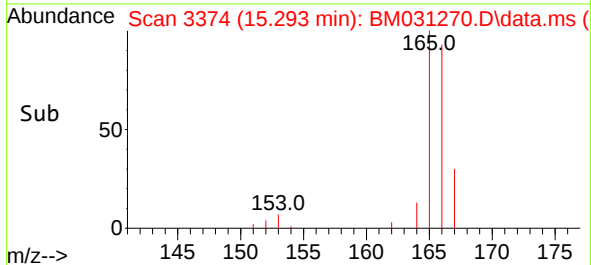
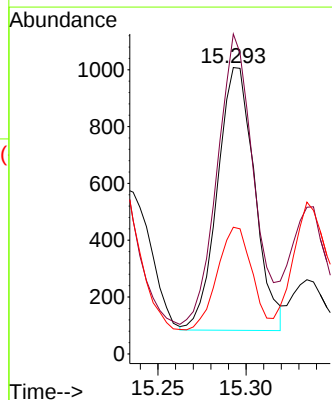
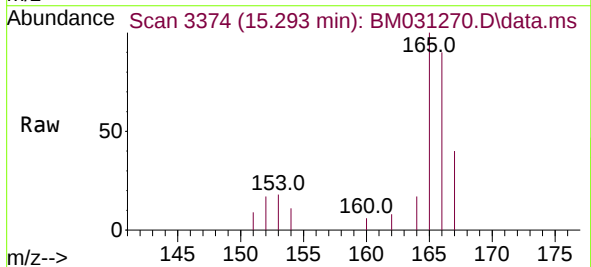
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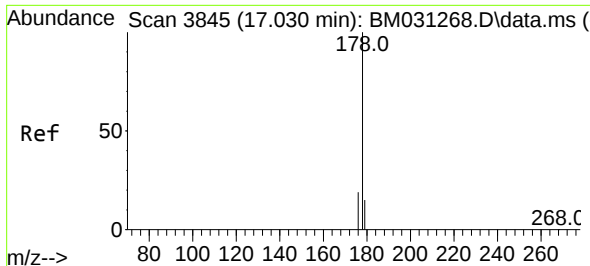
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#12  
Fluorene  
Concen: 0.09 ng/ul  
RT: 15.293 min Scan# 3374  
Delta R.T. -0.004 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

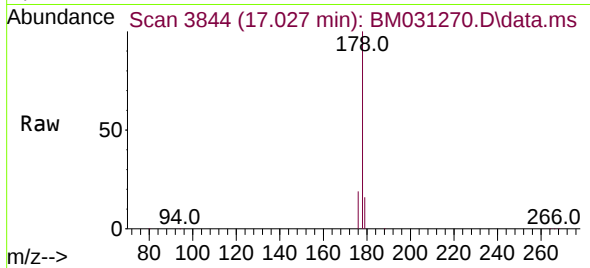
Tgt Ion:166 Resp: 1359  
Ion Ratio Lower Upper  
166 100  
165 111.7 78.0 117.0  
167 44.2 12.0 18.0#





#15  
Phenanthrene  
Concen: 2.28 ng/ul  
RT: 17.027 min Scan# 3844  
Delta R.T. -0.003 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

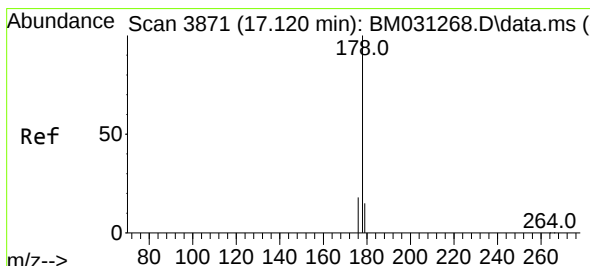
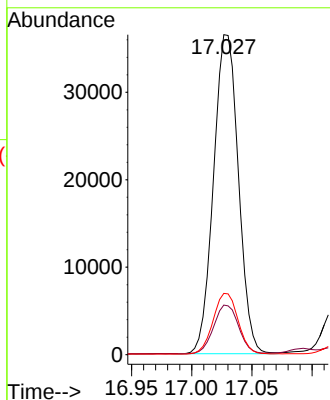
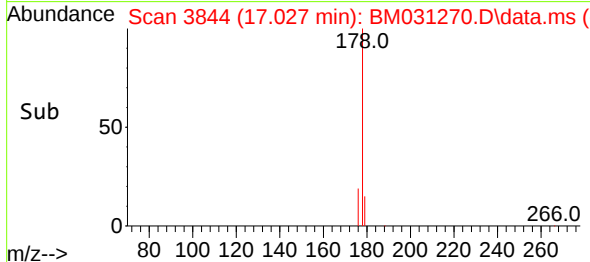
Instrument :  
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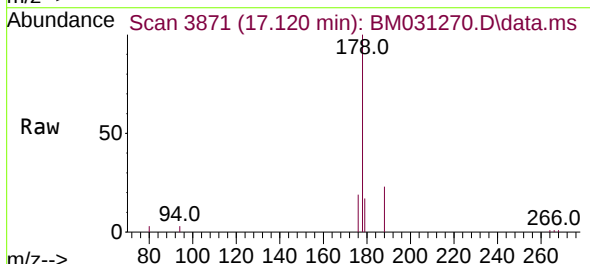
Tgt Ion:178 Resp: 52356  
Ion Ratio Lower Upper  
178 100  
179 15.5 13.3 19.9  
176 19.1 16.2 24.4

Manual Integrations  
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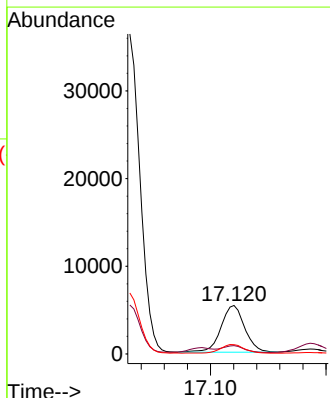
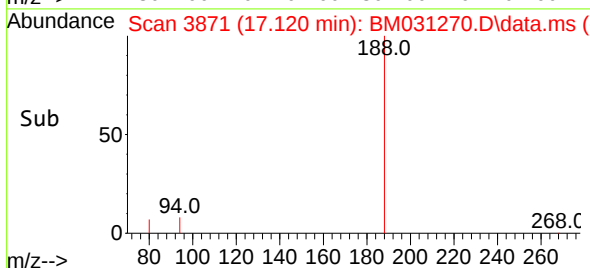
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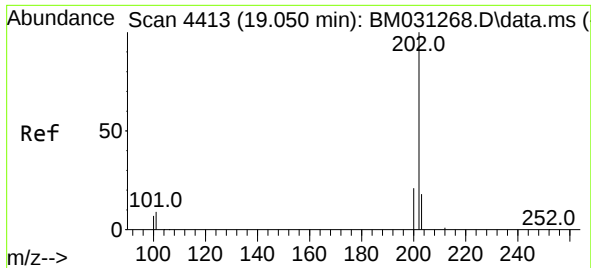


#16  
Anthracene  
Concen: 0.35 ng/ul  
RT: 17.120 min Scan# 3871  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24



Tgt Ion:178 Resp: 7606  
Ion Ratio Lower Upper  
178 100  
179 17.3 13.0 19.6  
176 19.3 15.6 23.4





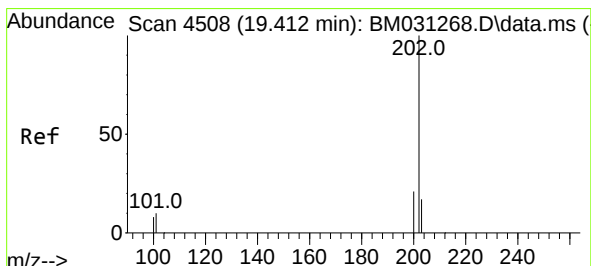
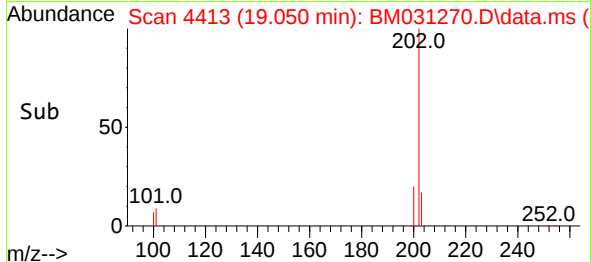
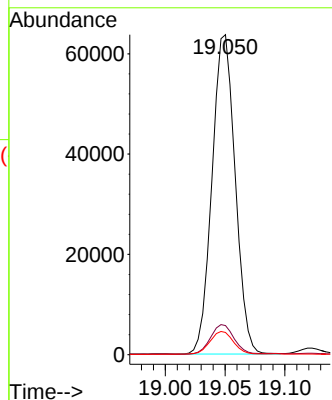
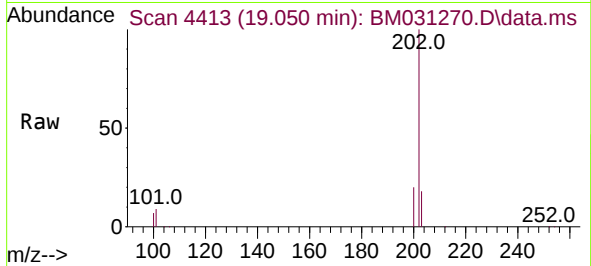
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Fluoranthene  
Concen: 3.23 ng/ul  
RT: 19.050 min Scan# 4413  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.1   | 6.6   | 10.0  |
| 100     | 7.0   | 5.4   | 8.0   |

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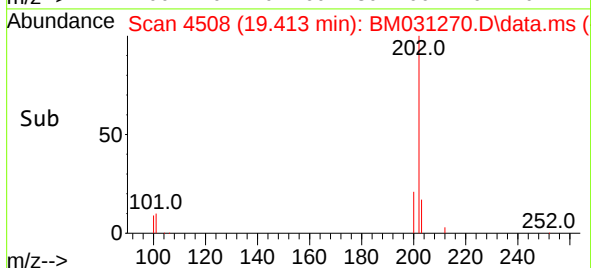
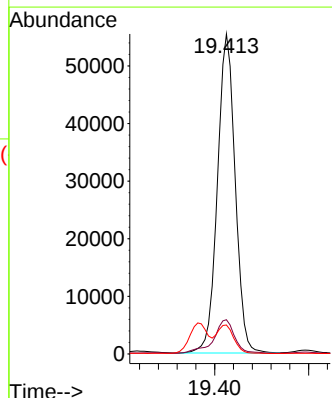
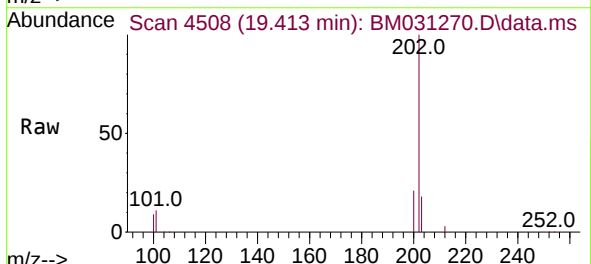
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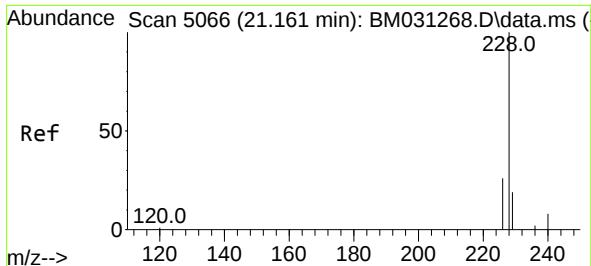
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#20  
Pyrene  
Concen: 2.69 ng/ul  
RT: 19.413 min Scan# 4508  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

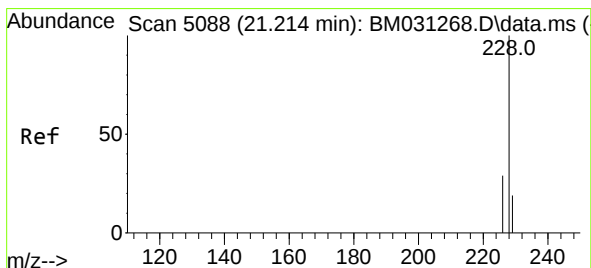
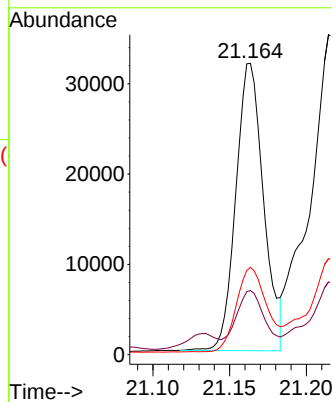
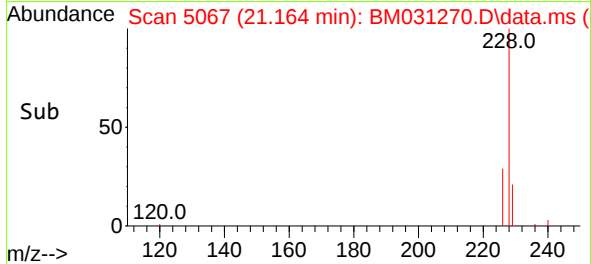
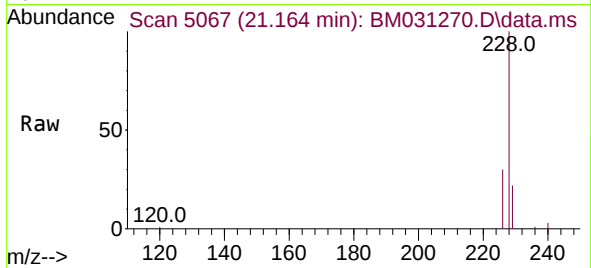
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.7  | 7.8   | 11.6  |
| 100     | 9.1   | 6.6   | 10.0  |





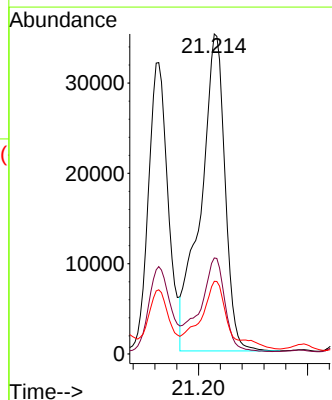
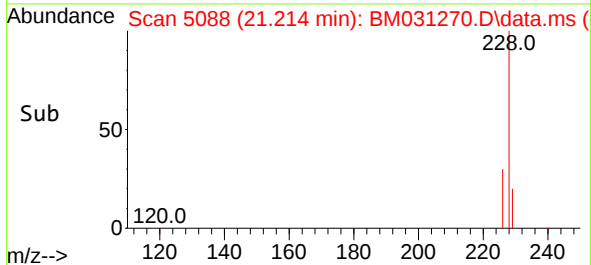
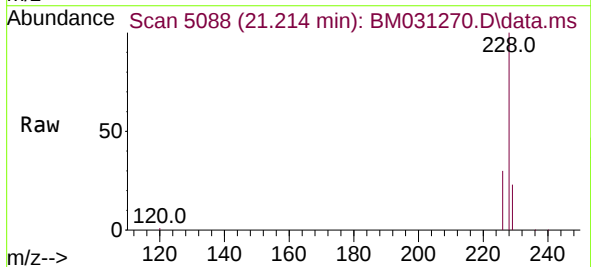
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Benzo(a)anthracene  
Concen: 1.59 ng/ul  
RT: 21.164 min Scan# 5067  
Delta R.T. 0.003 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

Tgt Ion:228 Resp: 39999  
Ion Ratio Lower Upper  
228 100  
229 22.0 15.6 23.4  
226 30.0 21.7 32.5



#22  
Chrysene  
Concen: 2.09 ng/ul  
RT: 21.214 min Scan# 5088  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

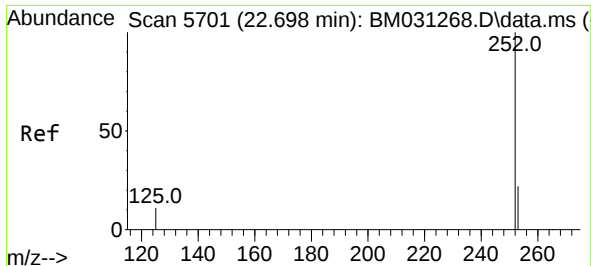
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226 30.0 24.7 37.1  
229 22.7 16.2 24.2



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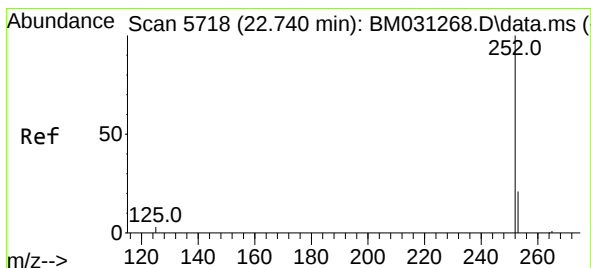
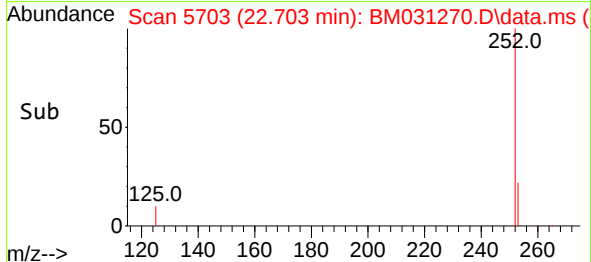
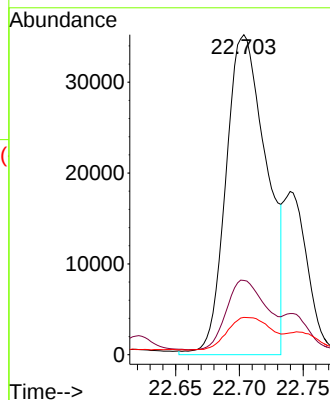
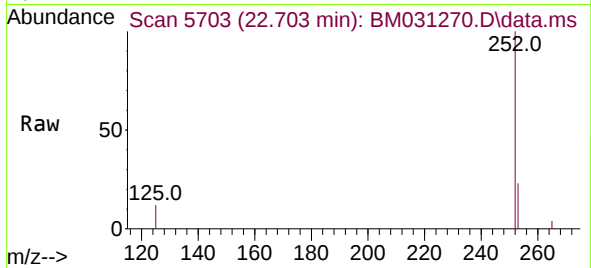
#24  
Benzo(b)fluoranthene  
Concen: 2.91 ng/ul m  
RT: 22.703 min Scan# 5703  
Delta R.T. 0.005 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

Tgt Ion:252 Resp: 78296  
Ion Ratio Lower Upper  
252 100  
253 23.2 0.0 53.0  
125 11.7 0.0 22.8

Instrument :  
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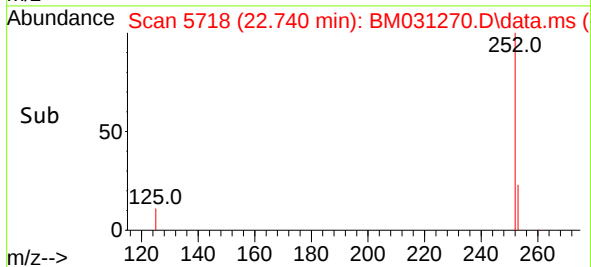
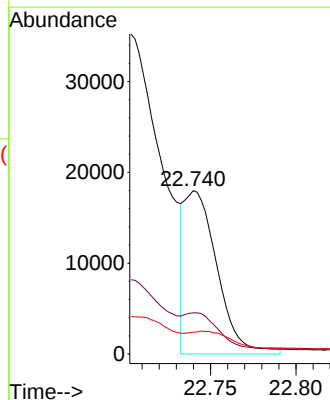
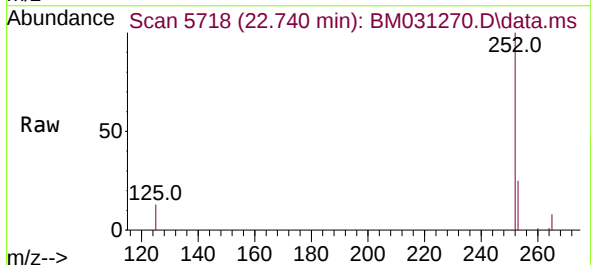
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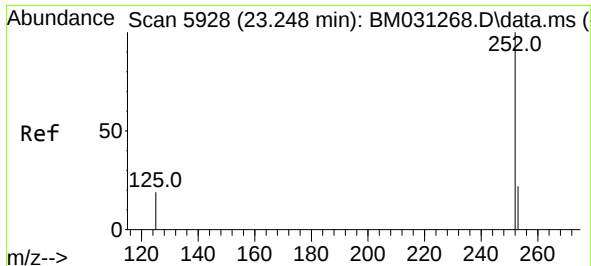
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#25  
Benzo(k)fluoranthene  
Concen: 0.86 ng/ul m  
RT: 22.740 min Scan# 5718  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

Tgt Ion:252 Resp: 23856  
Ion Ratio Lower Upper  
252 100  
253 25.2 21.3 31.9  
125 13.3 8.8 13.2#





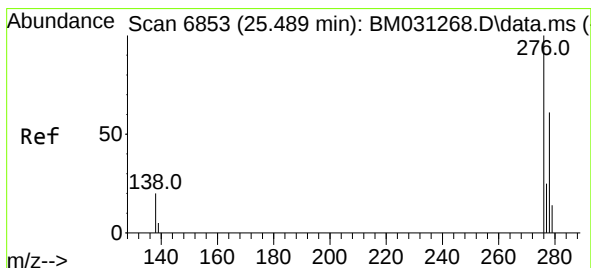
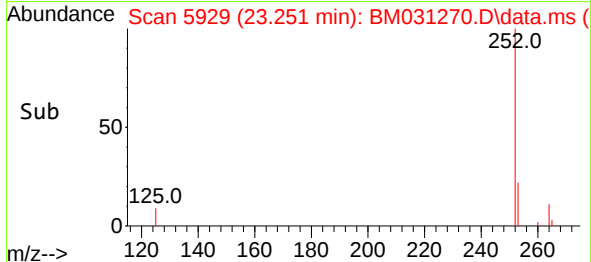
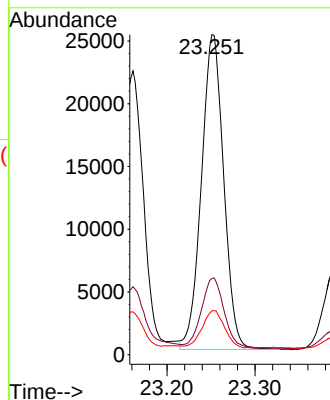
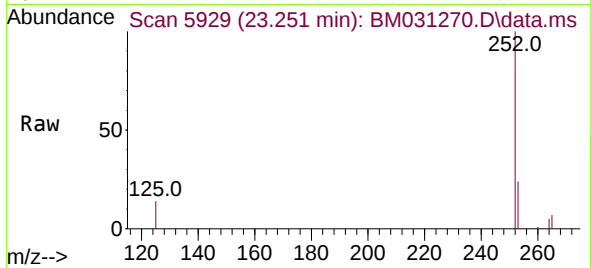
#26  
Benzo(a)pyrene  
Concen: 1.87 ng/ul  
RT: 23.251 min Scan# 5929  
Delta R.T. 0.003 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 44109 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.8  | 22.4  | 33.6  |
| 125       | 13.7  | 13.0  | 19.4  |

Instrument :  
BNA\_M  
ClientSampleId :  
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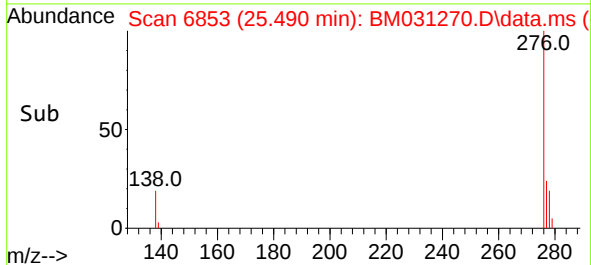
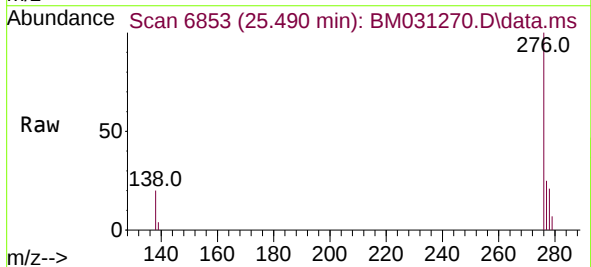
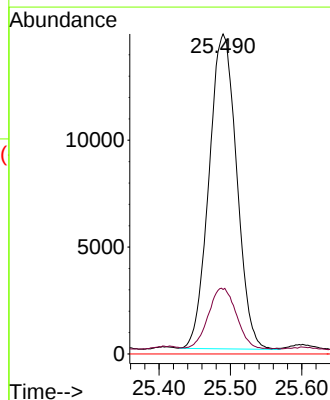
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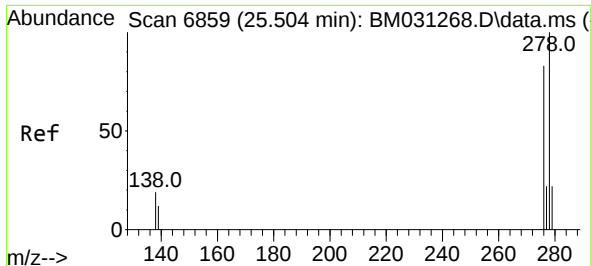
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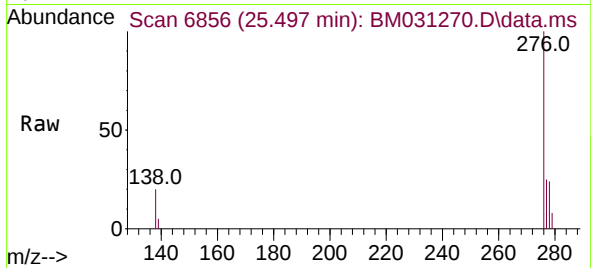
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.30 ng/ul  
RT: 25.490 min Scan# 6853  
Delta R.T. 0.000 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 39685 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 19.7  | 15.8  | 23.8  |
| 227       | 0.0   | 0.0   | 0.0   |

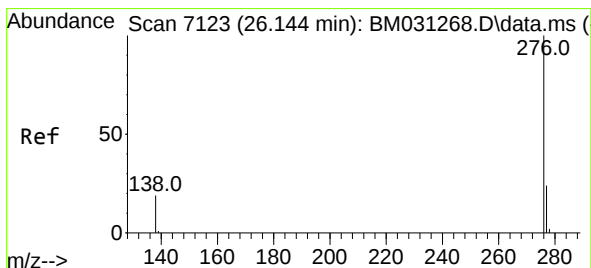
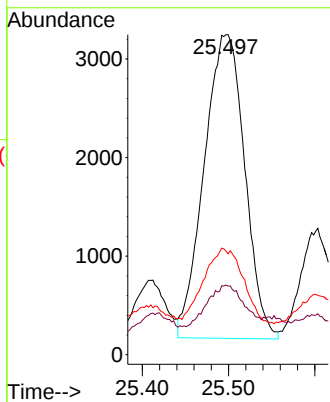
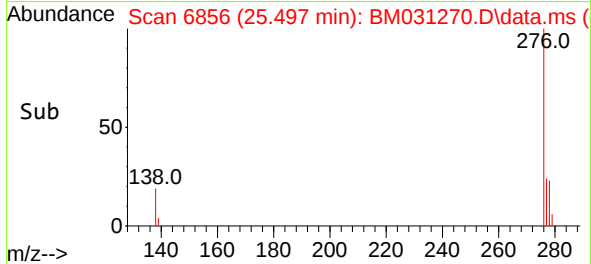




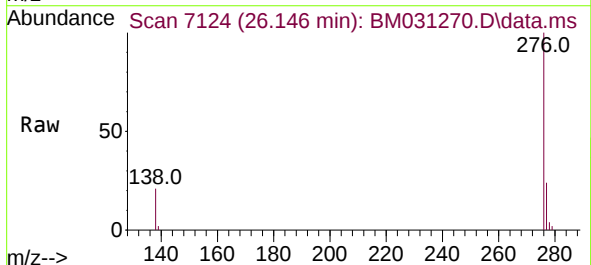
#28  
Dibenzo(a,h)anthracene  
Concen: 0.41 ng/ul  
RT: 25.497 min Scan# 6856  
Delta R.T. -0.007 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24



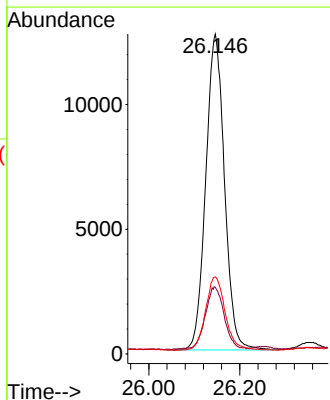
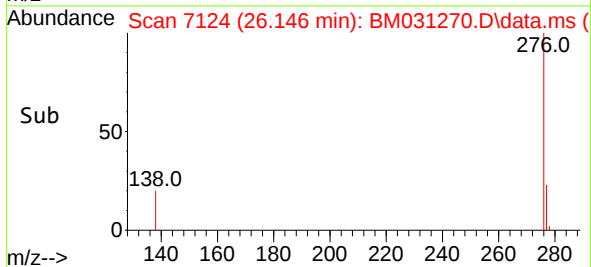
Tgt Ion: 278 Resp: 10079  
Ion Ratio Lower Upper  
278 100  
139 21.7 13.3 19.9#  
279 32.5 22.8 34.2



#29  
Benzo(g,h,i)perylene  
Concen: 1.39 ng/ul  
RT: 26.146 min Scan# 7124  
Delta R.T. 0.003 min  
Lab File: BM031270.D  
Acq: 30 Jul 2021 09:24



Tgt Ion: 276 Resp: 36176  
Ion Ratio Lower Upper  
276 100  
138 20.9 15.4 23.2  
277 24.1 19.9 29.9



Instrument :  
BNA\_M  
ClientSampleId :  
C0021

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