

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080221\  
 Data File : BM031397.D  
 Acq On : 03 Aug 2021 04:59  
 Operator : CG/JU  
 Sample : M3123-15DL 5X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0076DL

Manual Integrations  
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 8/3/2021 11:51:18 AM

Quant Time: Aug 03 05:32:35 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 : Mon Aug 02 11:29:41 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.600  | 152  | 1633     | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.361 | 136  | 6382     | 0.40 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.231 | 164  | 3880     | 0.40 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.978 | 188  | 7214     | 0.40 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.168 | 240  | 5434     | 0.40 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.328 | 264  | 5191     | 0.40 | ng/ul  | 0.00     |
|                             |        |      |          |      |        |          |
| System Monitoring Compounds |        |      |          |      |        |          |
| 3) 1,4-Dioxane-d8           | 3.196  | 96   | 500      | 0.28 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.953 | 152  | 213      | 0.02 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.008 | 212  | 402      | 0.02 | ng/ul  | 0.00     |
|                             |        |      |          |      |        |          |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      | Qvalue |          |
| 5) Naphthalene              | 10.410 | 128  | 3628     | 0.19 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.029 | 142  | 9609     | 0.74 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.250 | 142  | 4654     | 0.36 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.950 | 152  | 340      | 0.02 | ng/ul# | 38       |
| 12) Fluorene                | 15.285 | 166  | 675      | 0.04 | ng/ul# | 74       |
| 15) Phenanthrene            | 17.020 | 178  | 15464    | 0.68 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.039 | 202  | 5430     | 0.23 | ng/ul# | 91       |
| 20) Pyrene                  | 19.401 | 202  | 4557     | 0.19 | ng/ul# | 91       |
| 21) Benzo(a)anthracene      | 21.154 | 228  | 1886     | 0.09 | ng/ul# | 64       |
| 22) Chrysene                | 21.205 | 228  | 7535     | 0.33 | ng/ul# | 91       |
| 24) Benzo(b)fluoranthene    | 22.686 | 252  | 3908m    | 0.17 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.728 | 252  | 736m     | 0.03 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.234 | 252  | 1252     | 0.06 | ng/ul# | 14       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.468 | 276  | 1049     | 0.04 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.478 | 278  | 592      | 0.03 | ng/ul# | 1        |
| -----                       |        |      |          |      |        |          |

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

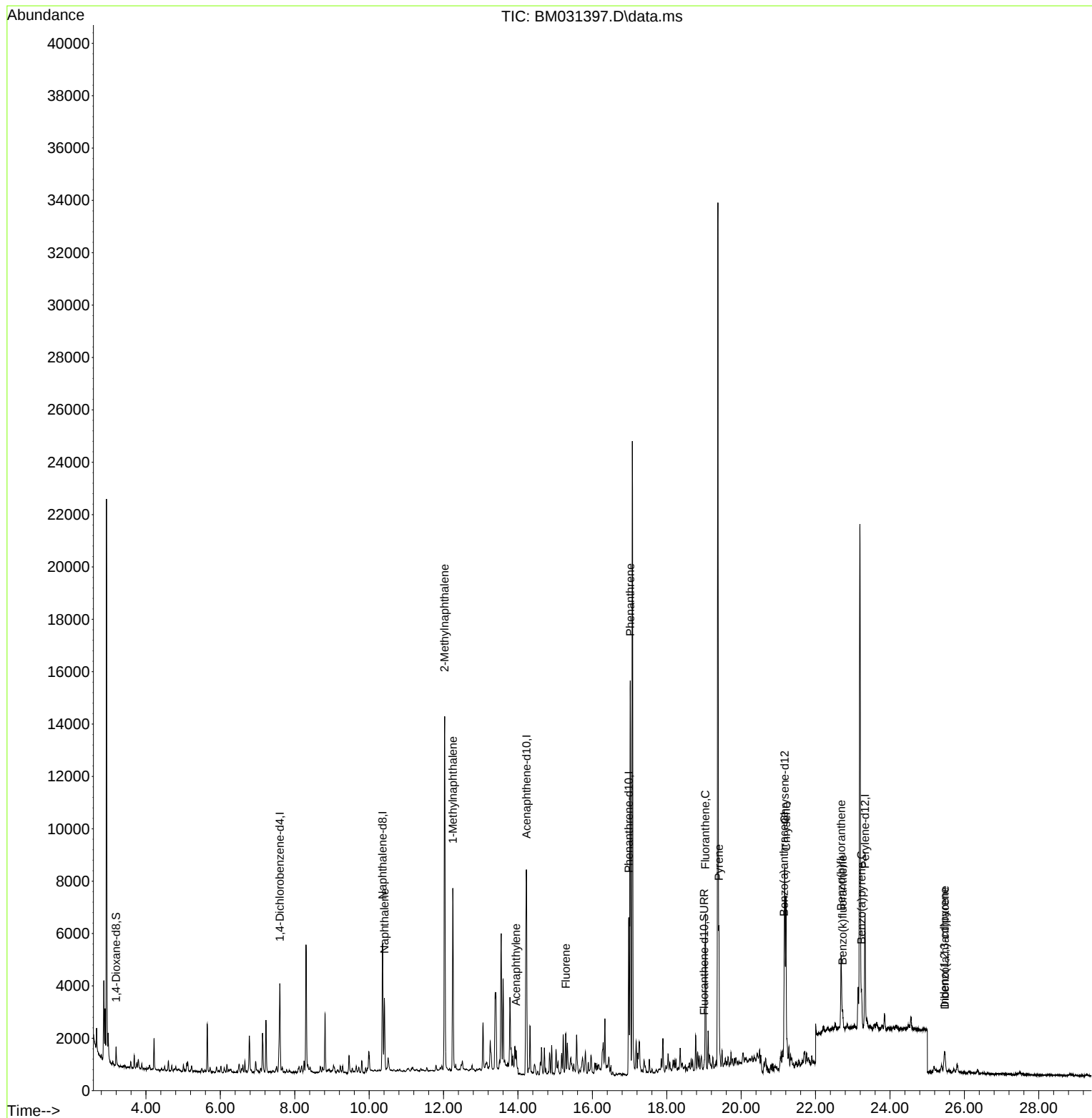
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080221\  
Data File : BM031397.D  
Acq On : 03 Aug 2021 04:59  
Operator : CG/JU  
Sample : M3123-15DL 5X  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

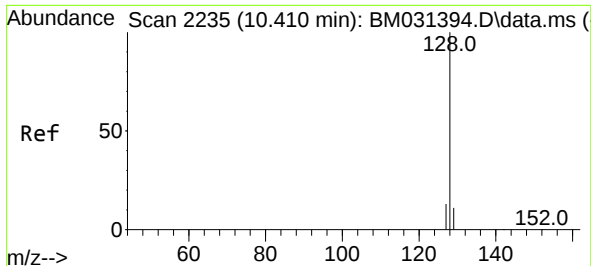
Instrument :  
BNA\_M  
ClientSampleId :  
C0076DL

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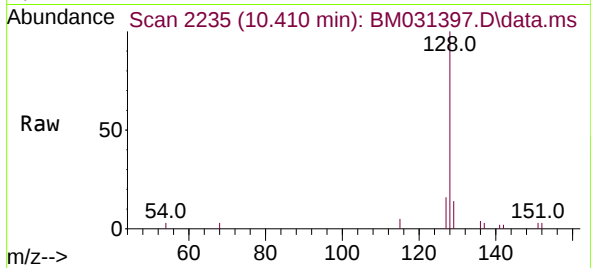
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Quant Time: Aug 03 05:32:35 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 02 11:29:41 2021  
Response via : Initial Calibration

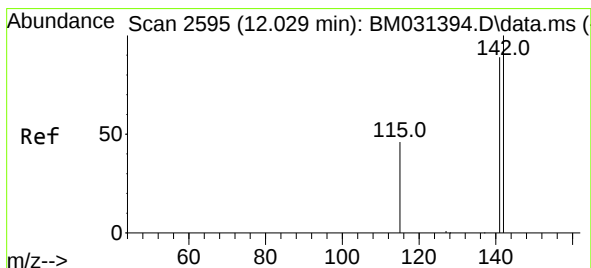
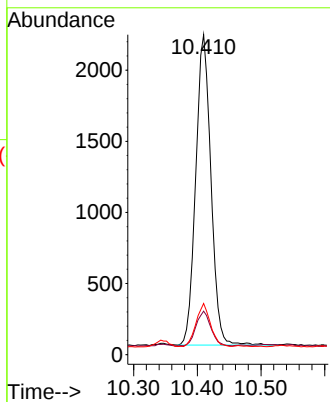
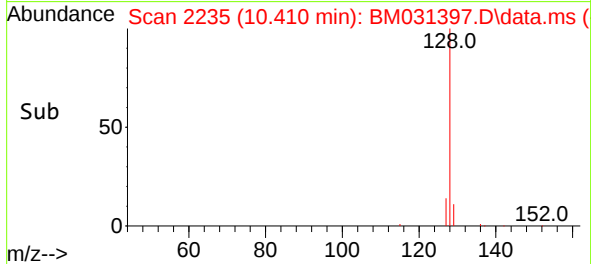




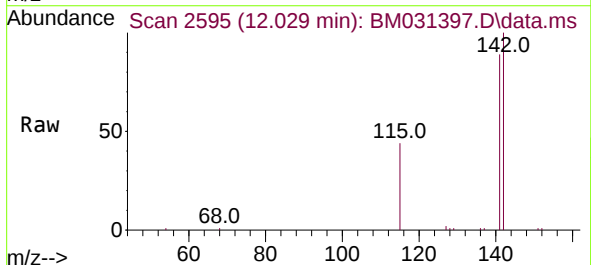
#5  
Naphthalene  
Concen: 0.19 ng/ul  
RT: 10.410 min Scan# 2235  
Delta R.T. -0.000 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59



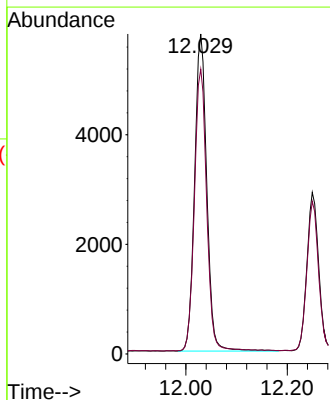
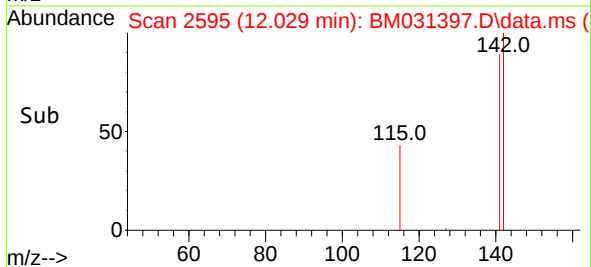
Tgt Ion:128 Resp: 3628  
Ion Ratio Lower Upper  
128 100  
129 13.6 10.0 15.0  
127 16.0 11.6 17.4



#7  
2-Methylnaphthalene  
Concen: 0.74 ng/ul  
RT: 12.029 min Scan# 2595  
Delta R.T. -0.005 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59



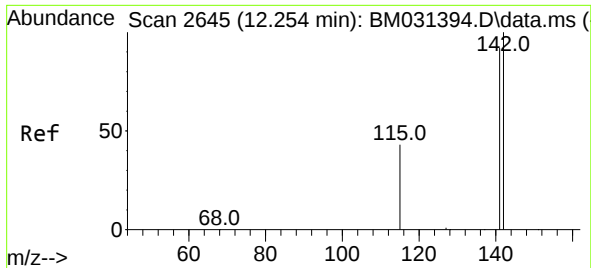
Tgt Ion:142 Resp: 9609  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.4 107.0



Instrument :  
BNA\_M  
ClientSampleId :  
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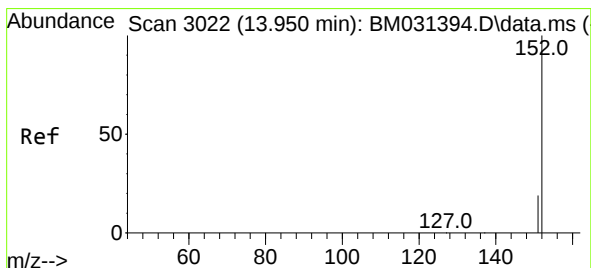
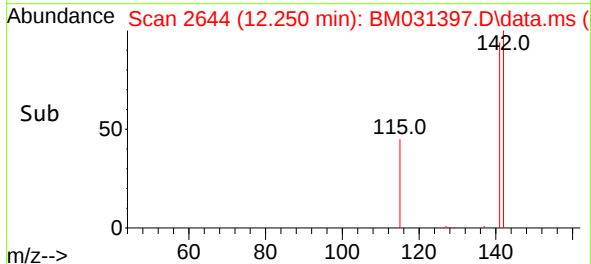
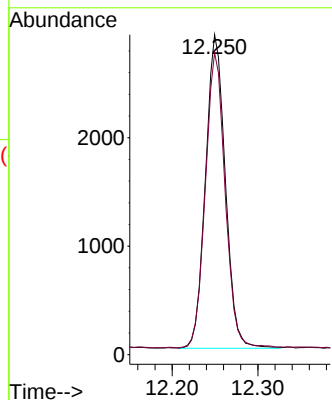
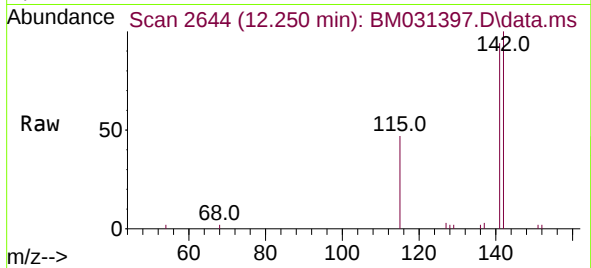
#8  
1-Methylnaphthalene  
Concen: 0.36 ng/ul  
RT: 12.250 min Scan# 2644  
Delta R.T. -0.005 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

Tgt Ion:142 Resp: 4654  
Ion Ratio Lower Upper  
142 100  
141 94.1 74.1 111.1

Instrument :  
BNA\_M  
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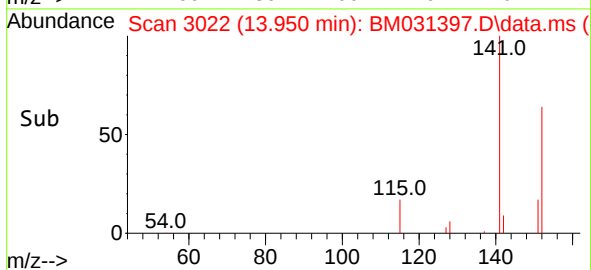
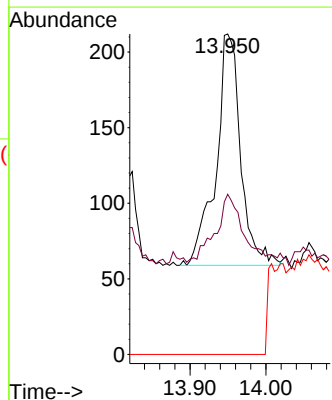
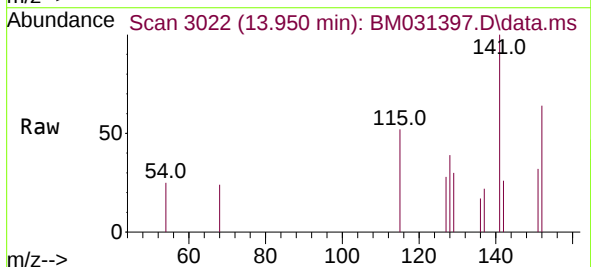
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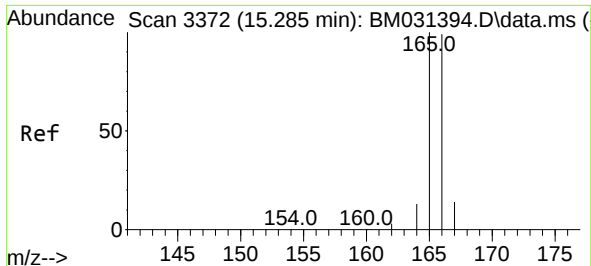
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#10  
Acenaphthylene  
Concen: 0.02 ng/ul  
RT: 13.950 min Scan# 3022  
Delta R.T. -0.004 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

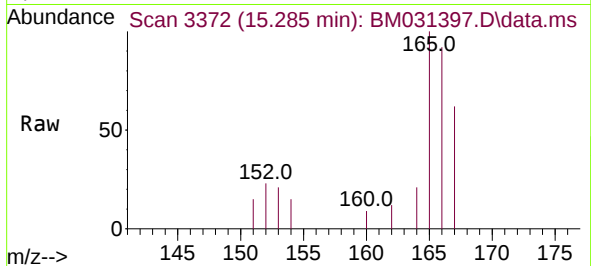
Tgt Ion:152 Resp: 340  
Ion Ratio Lower Upper  
152 100  
151 50.0 16.9 25.3#  
153 0.0 0.0 0.0





#12  
Fluorene  
Concen: 0.04 ng/ul  
RT: 15.285 min Scan# 3372  
Delta R.T. 0.000 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

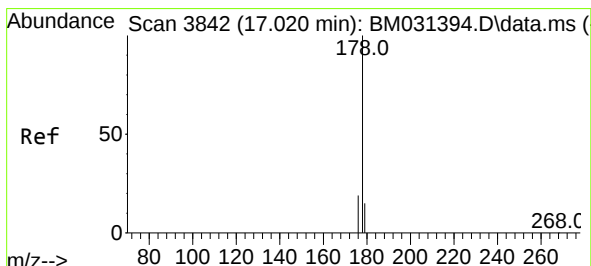
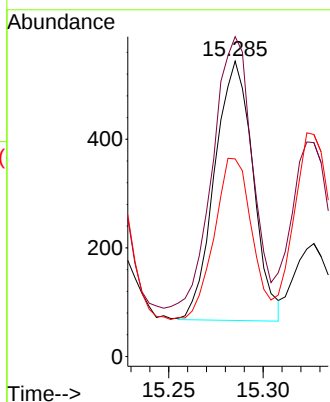
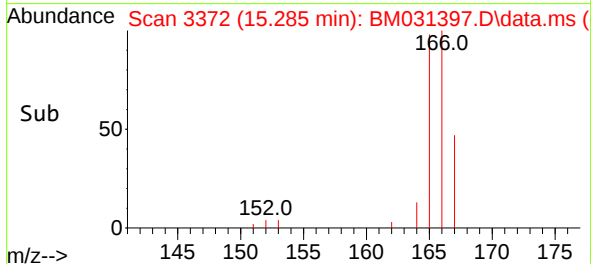
Instrument :  
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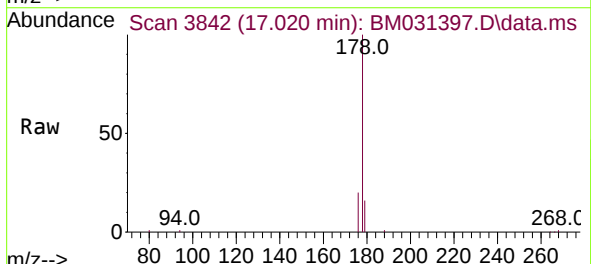
Tgt Ion:166 Resp: 675  
Ion Ratio Lower Upper  
166 100  
165 108.3 78.0 117.0  
167 66.9 12.0 18.0#

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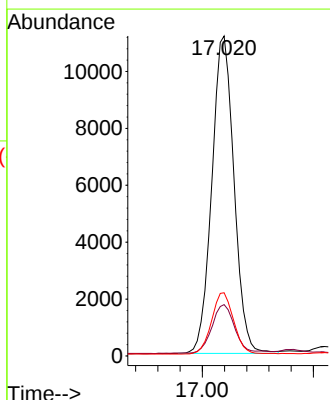
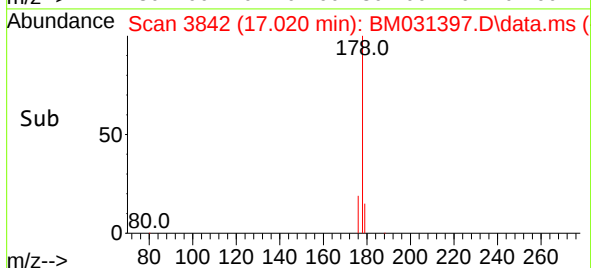
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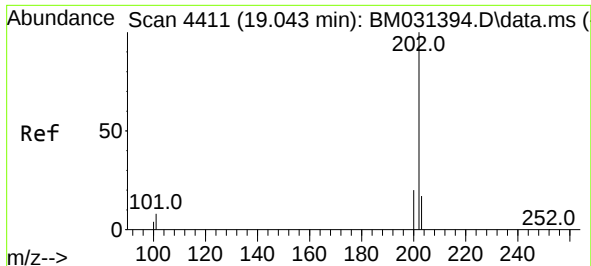


#15  
Phenanthrene  
Concen: 0.68 ng/ul  
RT: 17.020 min Scan# 3842  
Delta R.T. -0.003 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59



Tgt Ion:178 Resp: 15464  
Ion Ratio Lower Upper  
178 100  
179 16.0 13.3 19.9  
176 19.7 16.2 24.4





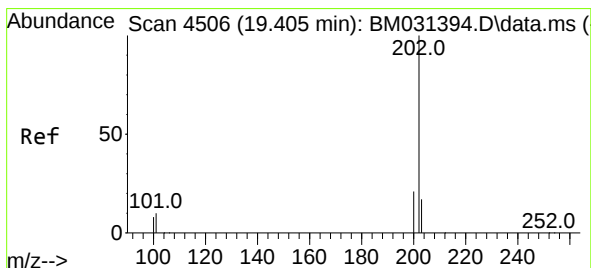
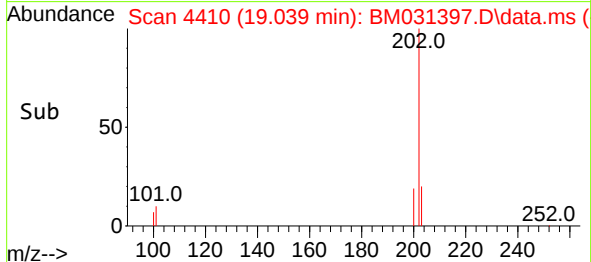
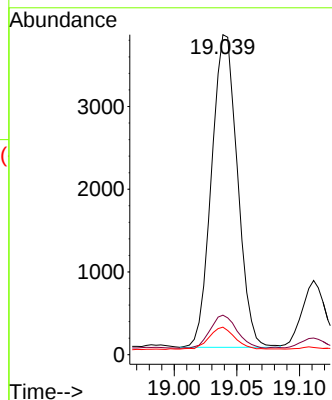
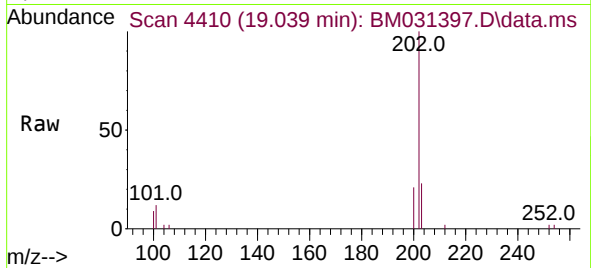
#19  
Fluoranthene  
Concen: 0.23 ng/ul  
RT: 19.039 min Scan# 4410  
Delta R.T. -0.004 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.4  | 6.6   | 10.0# |
| 100     | 8.6   | 5.4   | 8.0#  |

Instrument :  
BNA\_M  
ClientSampleID :  
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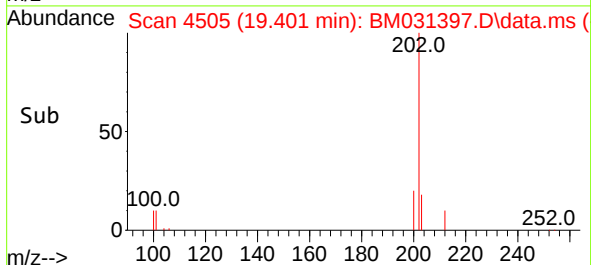
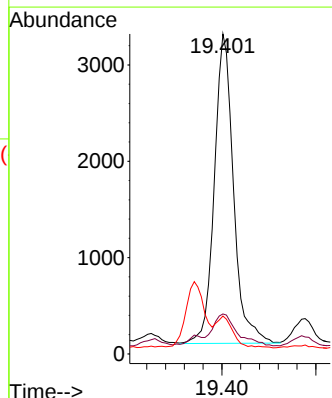
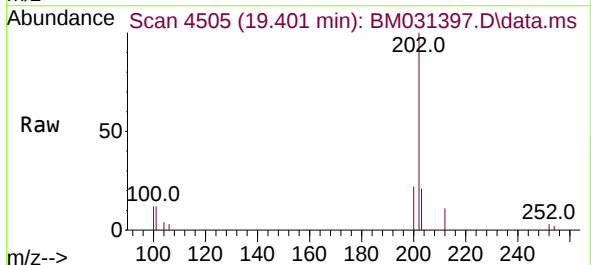
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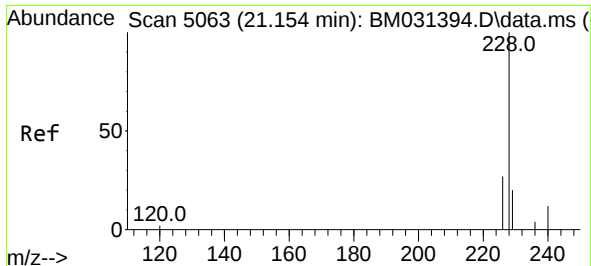
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#20  
Pyrene  
Concen: 0.19 ng/ul  
RT: 19.401 min Scan# 4505  
Delta R.T. -0.008 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.5  | 7.8   | 11.6# |
| 100     | 11.8  | 6.6   | 10.0# |





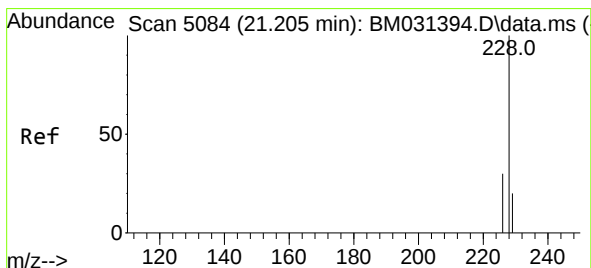
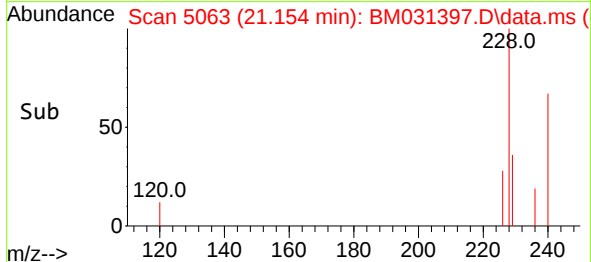
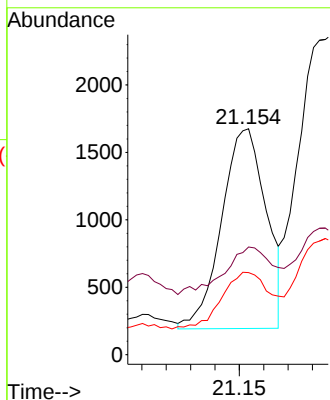
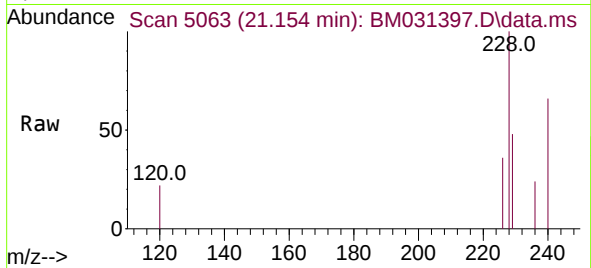
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Benzo(a)anthracene  
Concen: 0.09 ng/u1  
RT: 21.154 min Scan# 5063  
Delta R.T. -0.005 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

Tgt Ion:228 Resp: 1886  
Ion Ratio Lower Upper  
228 100  
229 47.7 15.6 23.4#  
226 36.3 21.7 32.5#

Instrument :  
BNA\_M  
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C0076DL

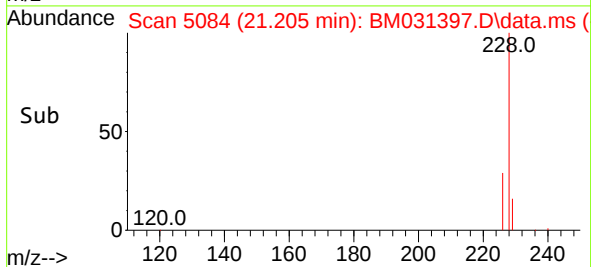
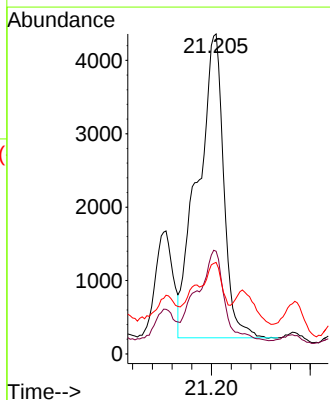
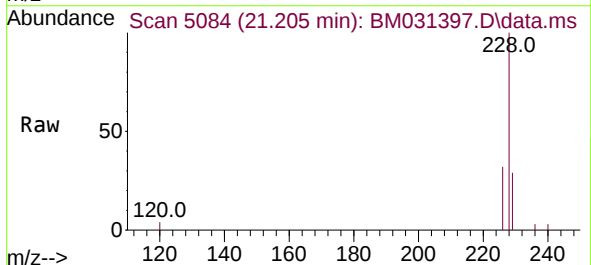
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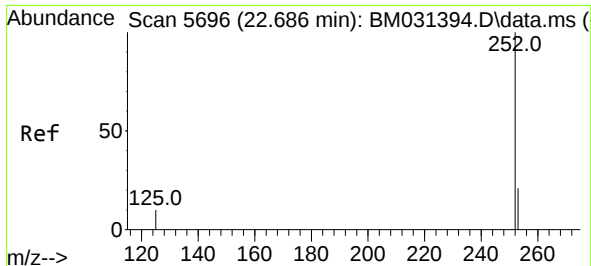
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#22  
Chrysene  
Concen: 0.33 ng/u1  
RT: 21.205 min Scan# 5084  
Delta R.T. -0.005 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

Tgt Ion:228 Resp: 7535  
Ion Ratio Lower Upper  
228 100  
226 32.1 24.7 37.1  
229 28.6 16.2 24.2#





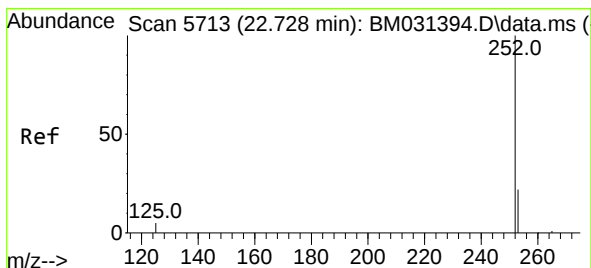
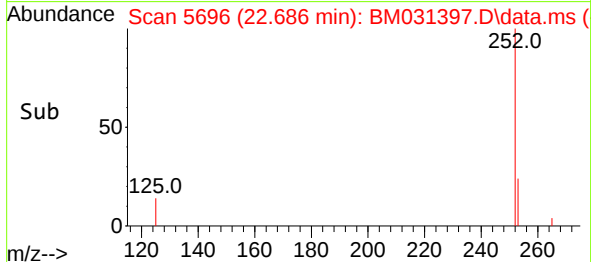
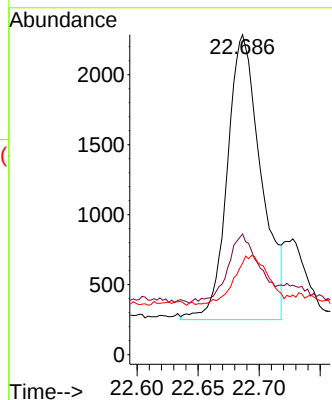
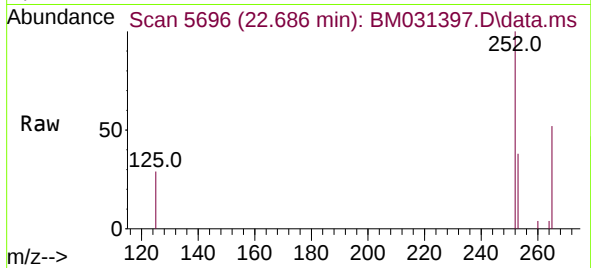
#24  
Benzo(b)fluoranthene  
Concen: 0.17 ng/ul m  
RT: 22.686 min Scan# 5696  
Delta R.T. -0.005 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

Tgt Ion:252 Resp: 3908  
Ion Ratio Lower Upper  
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253 37.7 0.0 53.0  
125 28.6 0.0 22.8#

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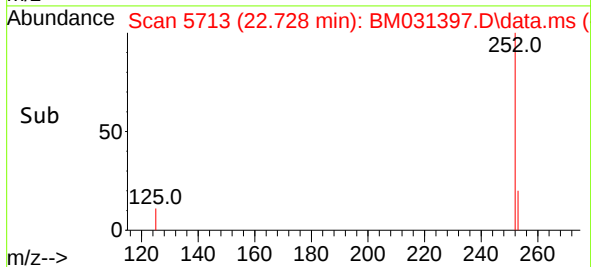
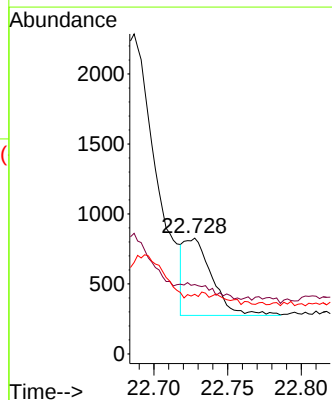
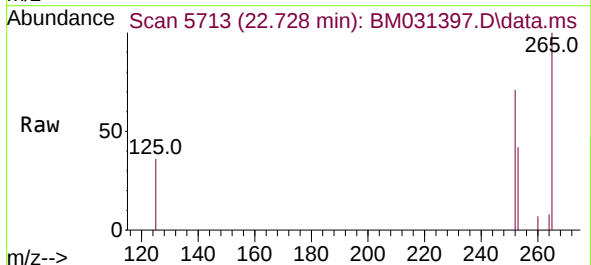
Manual Integrations  
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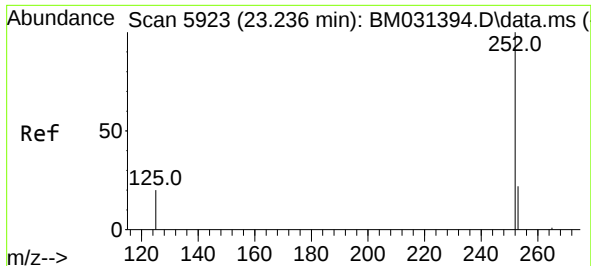
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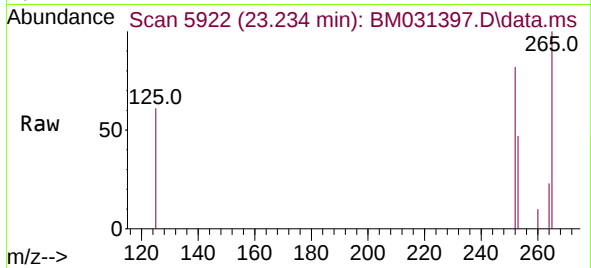
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Benzo(k)fluoranthene  
Concen: 0.03 ng/ul m  
RT: 22.728 min Scan# 5713  
Delta R.T. -0.007 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59

Tgt Ion:252 Resp: 736  
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125 51.5 8.8 13.2#

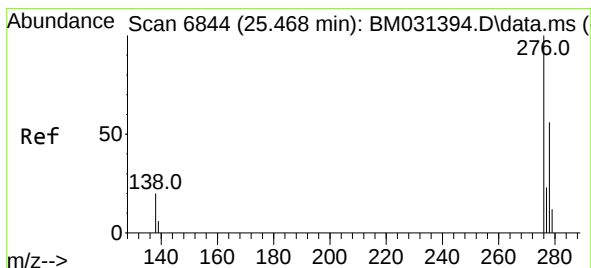
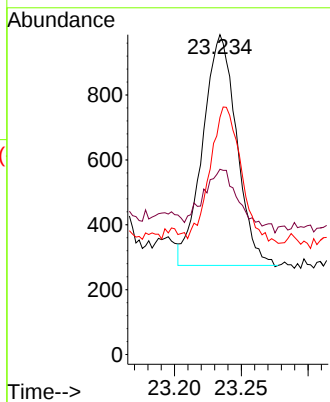
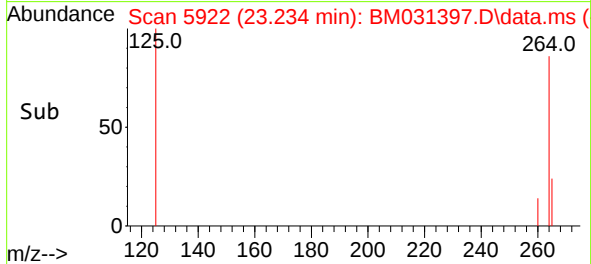




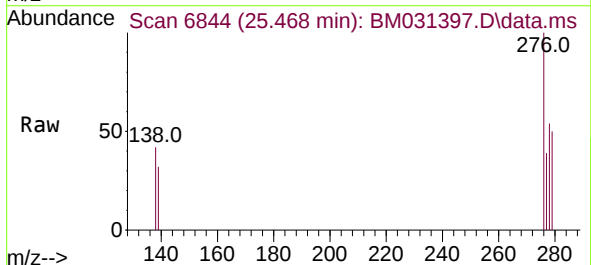
#26  
Benzo(a)pyrene  
Concen: 0.06 ng/ul  
RT: 23.234 min Scan# 5922  
Delta R.T. -0.010 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59



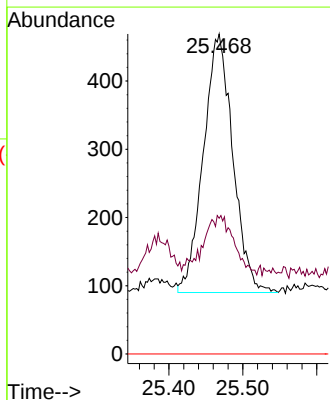
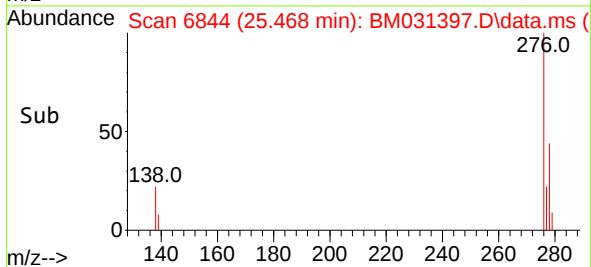
Tgt Ion:252 Resp: 1252  
Ion Ratio Lower Upper  
252 100  
253 57.9 22.4 33.6#  
125 74.1 13.0 19.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.04 ng/ul  
RT: 25.468 min Scan# 6844  
Delta R.T. -0.012 min  
Lab File: BM031397.D  
Acq: 03 Aug 2021 04:59



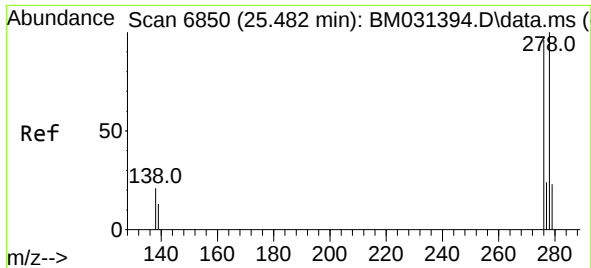
Tgt Ion:276 Resp: 1049  
Ion Ratio Lower Upper  
276 100  
138 23.2 15.8 23.8  
227 0.0 0.0 0.0



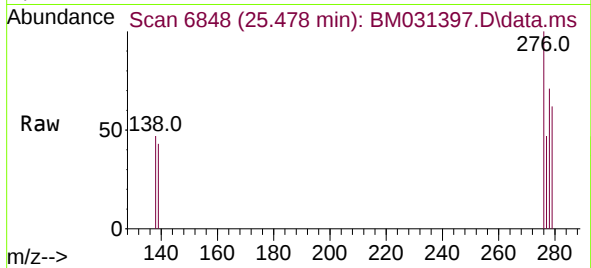
Instrument :  
BNA\_M  
ClientSampled :  
C0076DL

Manual Integrations  
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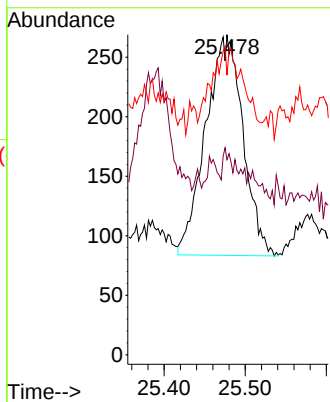
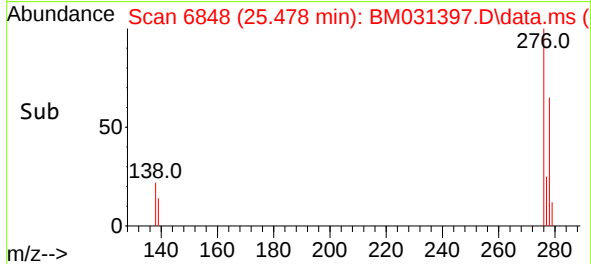
mohammad  
8/3/2021 11:51:18 AM



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.03 ng/ul  
 RT: 25.478 min Scan# 6848  
 Delta R.T. -0.015 min  
 Lab File: BM031397.D  
 Acq: 03 Aug 2021 04:59



Tgt Ion: 278 Resp: 592  
 Ion Ratio Lower Upper  
 278 100  
 139 61.0 13.3 19.9#  
 279 87.4 22.8 34.2#



Instrument :  
 BNA\_M  
 ClientSampleID :  
 C0076DL

Manual Integrations  
 APPROVED

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