

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
 Data File : BM030639.D  
 Acq On : 26 Jun 2021 15:53  
 Operator : CG/JU  
 Sample : M2682-13DL 5X  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDM4DL

Manual Integrations  
 APPROVED

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 6/28/2021 1:22:55 PM

Quant Time: Jun 27 02:41:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 25 10:09:59 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.794  | 152  | 5105     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.581 | 136  | 21144    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.421 | 164  | 12515    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.155 | 188  | 23522    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.323 | 240  | 15300    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.578 | 264  | 15062    | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.282  | 96   | 2088     | 0.382 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.173 | 152  | 909      | 0.027 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.176 | 212  | 2034     | 0.043 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.631 | 128  | 6706     | 0.107 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.245 | 142  | 1854     | 0.044 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.466 | 142  | 1372     | 0.033 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.140 | 152  | 8861     | 0.151 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.482 | 153  | 4409     | 0.092 | ng/ul  | 99       |
| 12) Fluorene                | 15.467 | 166  | 7135     | 0.135 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.197 | 178  | 273697   | 3.268 | ng/ul  | 99       |
| 16) Anthracene              | 17.287 | 178  | 79744    | 1.087 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.207 | 202  | 671651   | 9.549 | ng/ul  | 98       |
| 20) Pyrene                  | 19.569 | 202  | 488226   | 6.775 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.306 | 228  | 371021   | 6.105 | ng/ul  | 99       |
| 22) Chrysene                | 21.357 | 228  | 304299   | 4.510 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.902 | 252  | 411128m  | 6.275 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.939 | 252  | 157605m  | 2.293 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.479 | 252  | 191088   | 3.287 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.856 | 276  | 146803   | 1.986 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.858 | 278  | 47194    | 0.800 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.556 | 276  | 7046     | 0.110 | ng/ul# | 81       |
| -----                       |        |      |          |       |        |          |

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

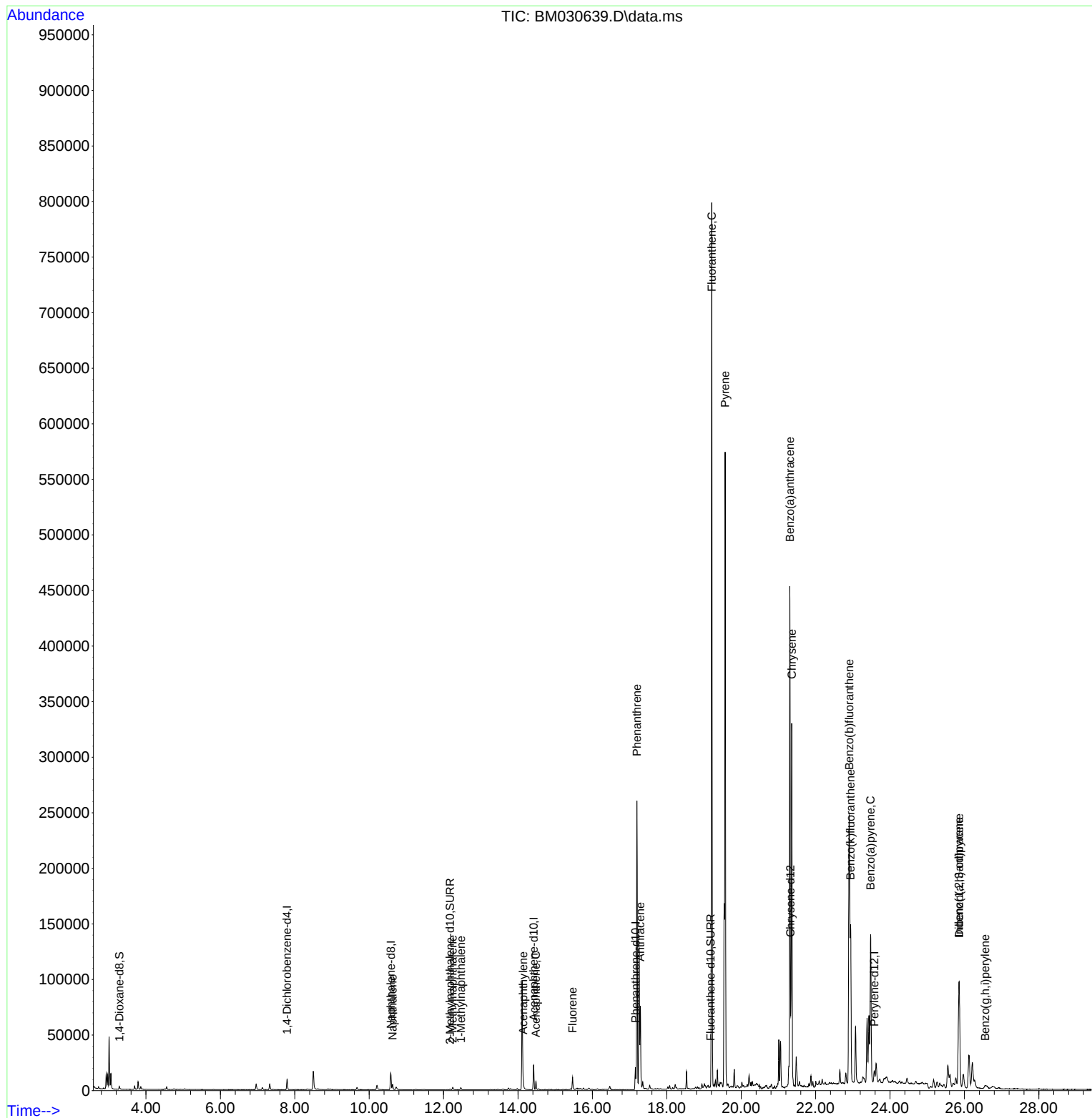
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
Data File : BM030639.D  
Acq On : 26 Jun 2021 15:53  
Operator : CG/JU  
Sample : M2682-13DL 5X  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

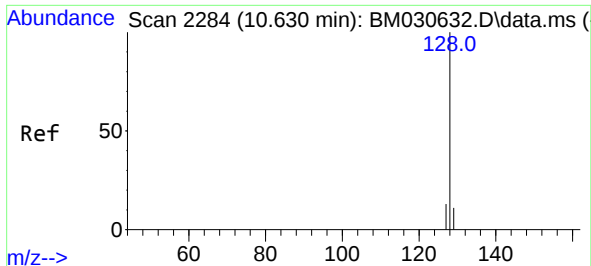
Instrument :  
BNA\_M  
ClientSampleId :  
BGDM4DL

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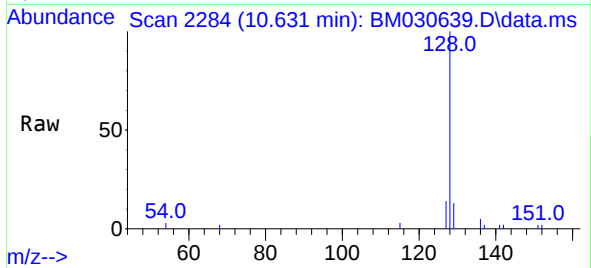
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Quant Time: Jun 27 02:41:52 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 25 10:09:59 2021  
Response via : Initial Calibration

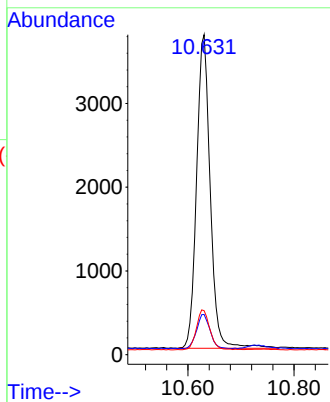
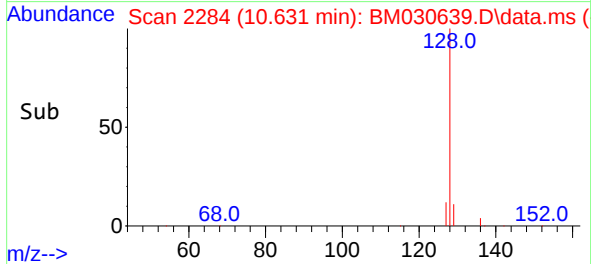




#5  
Naphthalene  
Concen: 0.107 ng/ul  
RT: 10.631 min Scan# 2284  
Delta R.T. -0.004 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



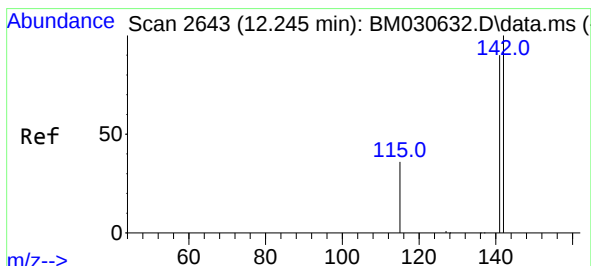
Tgt Ion:128 Resp: 6706  
Ion Ratio Lower Upper  
128 100  
129 12.5 9.0 13.6  
127 13.8 10.9 16.3



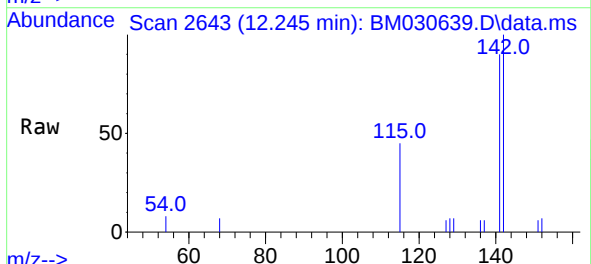
Instrument :  
BNA\_M  
ClientSampleId :  
BGDM4DL

Manual Integrations  
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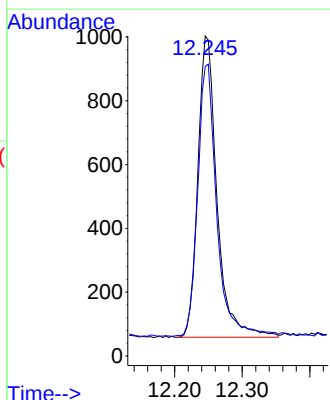
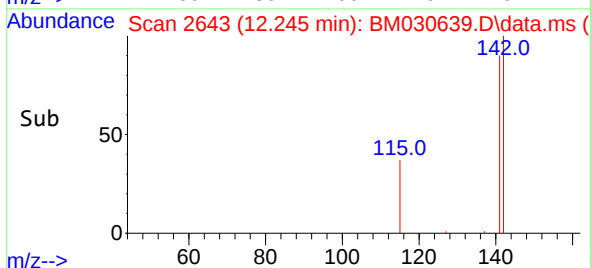
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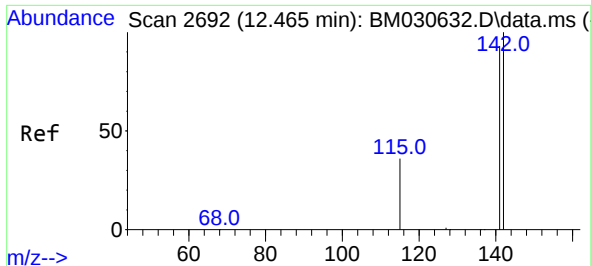


#7  
2-Methylnaphthalene  
Concen: 0.044 ng/ul  
RT: 12.245 min Scan# 2643  
Delta R.T. -0.004 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

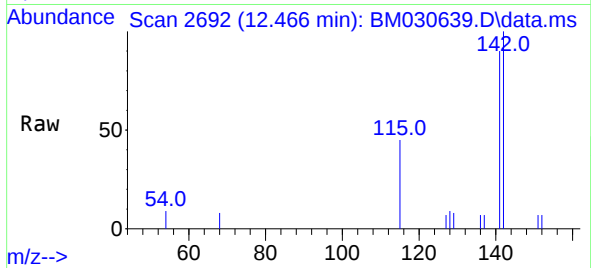


Tgt Ion:142 Resp: 1854  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.4 107.0

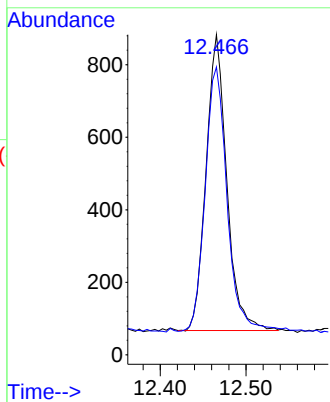
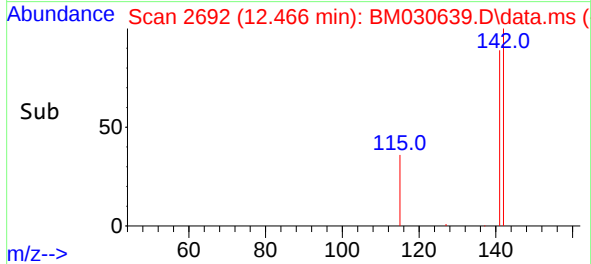




#8  
1-Methylnaphthalene  
Concen: 0.033 ng/ul  
RT: 12.466 min Scan# 2692  
Delta R.T. 0.000 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



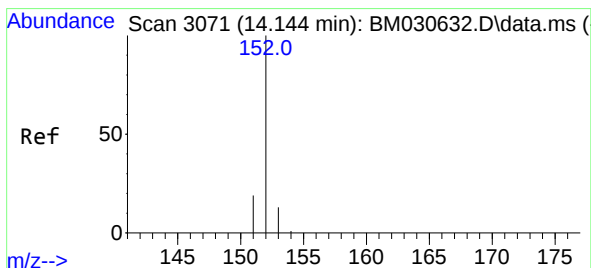
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Ion Ratio Lower Upper  
142 100  
141 94.2 73.4 110.0



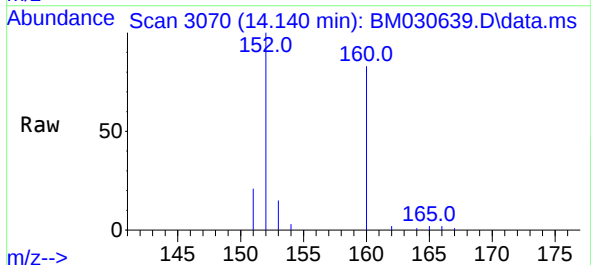
Instrument :  
BNA\_M  
ClientSampleID :  
BGDM4DL

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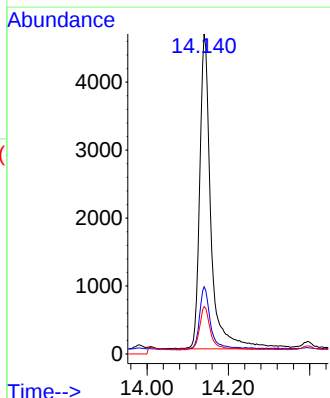
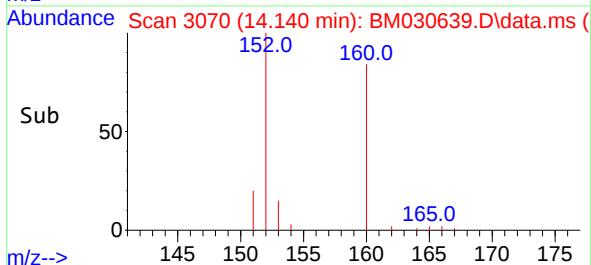
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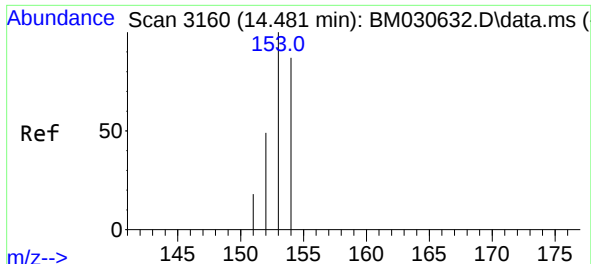


#10  
Acenaphthylene  
Concen: 0.151 ng/ul  
RT: 14.140 min Scan# 3070  
Delta R.T. -0.004 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



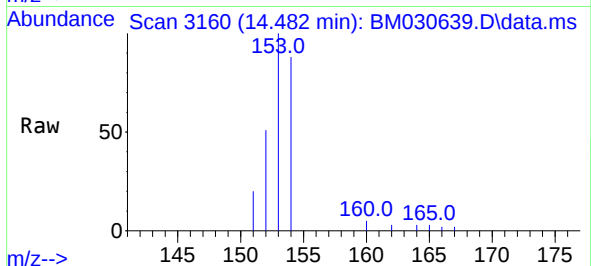
Tgt Ion:152 Resp: 8861  
Ion Ratio Lower Upper  
152 100  
151 21.0 15.5 23.3  
153 14.8 10.7 16.1



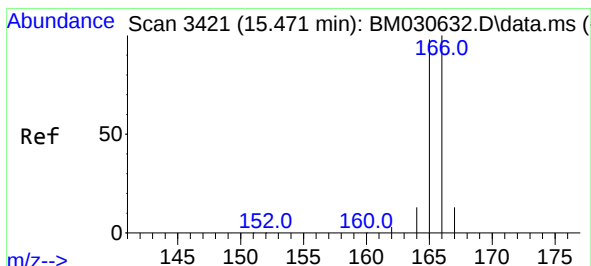
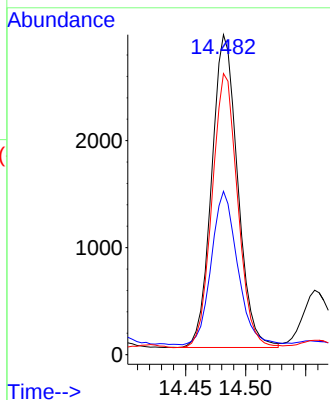
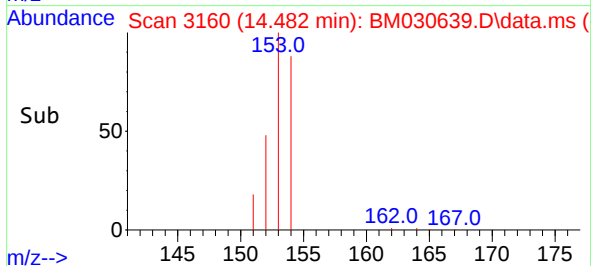


#11  
Acenaphthene  
Concen: 0.092 ng/u1  
RT: 14.482 min Scan# 3160  
Delta R.T. -0.004 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

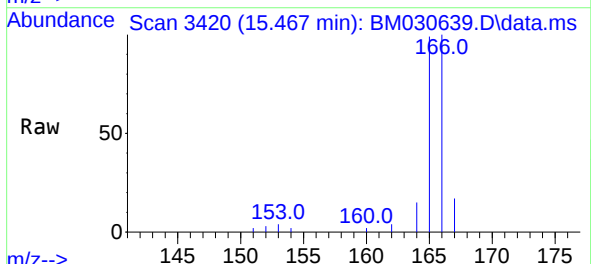
Instrument :  
BNA\_M  
ClientSampled :  
BGDM4DL



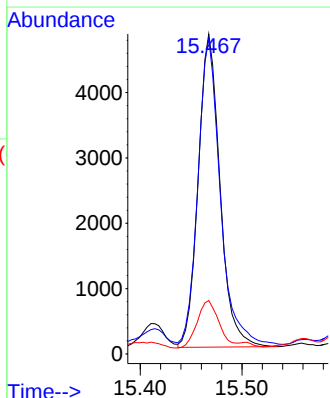
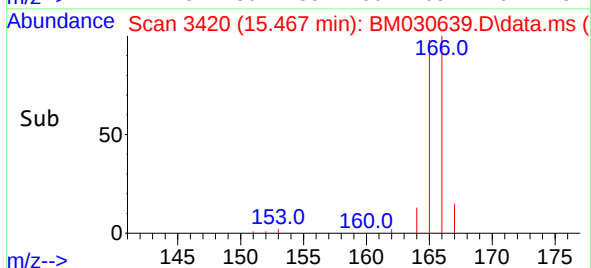
Tgt Ion:153 Resp: 4409  
Ion Ratio Lower Upper  
153 100  
152 51.1 40.2 60.2  
154 87.9 71.2 106.8

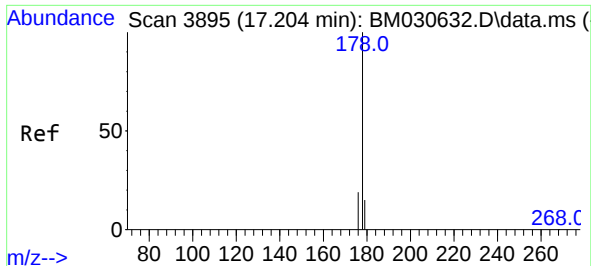


#12  
Fluorene  
Concen: 0.135 ng/u1  
RT: 15.467 min Scan# 3420  
Delta R.T. -0.007 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



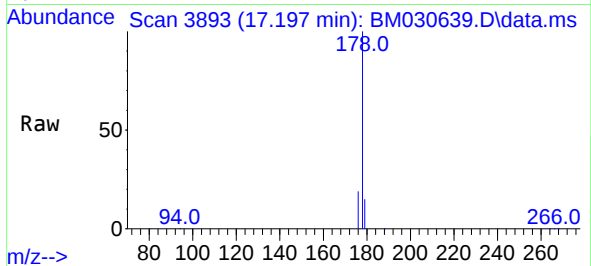
Tgt Ion:166 Resp: 7135  
Ion Ratio Lower Upper  
166 100  
165 98.6 77.7 116.5  
167 16.7 11.3 16.9





#15  
Phenanthrene  
Concen: 3.268 ng/ul  
RT: 17.197 min Scan# 3893  
Delta R.T. -0.007 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

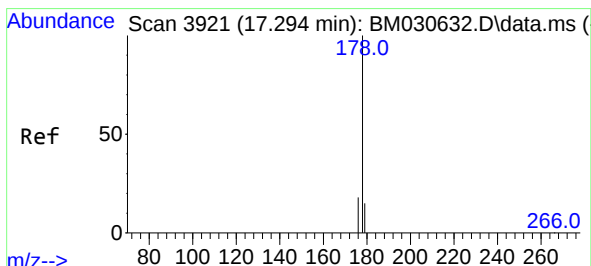
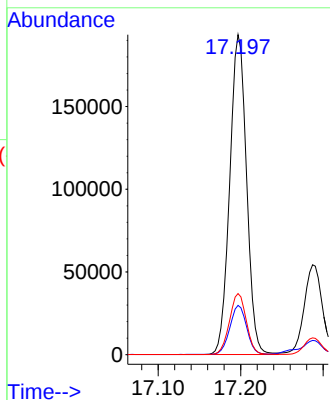
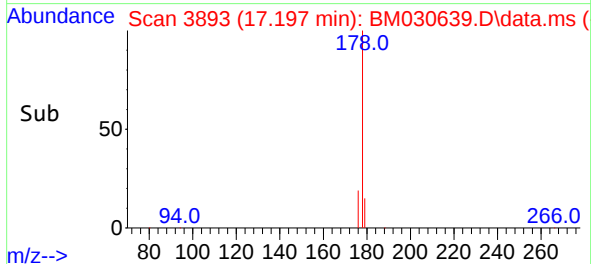
Instrument :  
BNA\_M  
ClientSampled :  
BGDM4DL



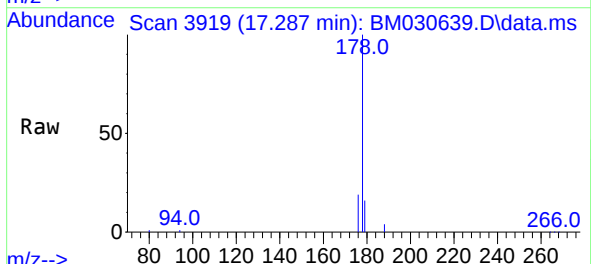
Tgt Ion:178 Resp: 273697  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 19.0  
176 19.1 15.5 23.3

Manual Integrations  
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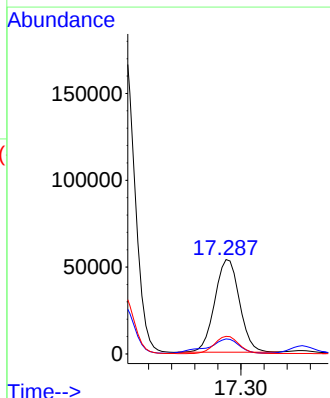
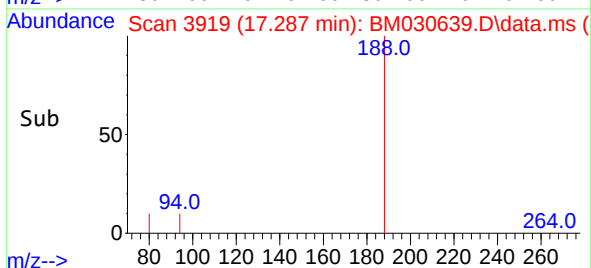
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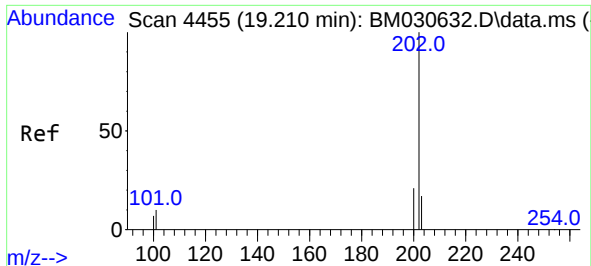


#16  
Anthracene  
Concen: 1.087 ng/ul  
RT: 17.287 min Scan# 3919  
Delta R.T. -0.010 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



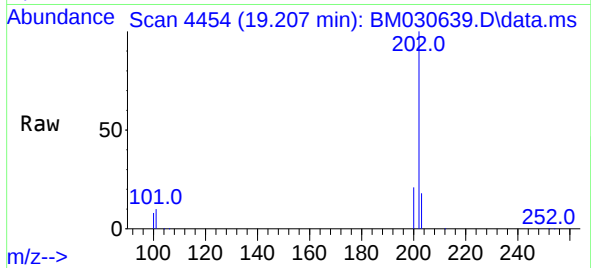
Tgt Ion:178 Resp: 79744  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.7 19.1  
176 18.6 15.2 22.8





#19  
Fluoranthene  
Concen: 9.549 ng/u1  
RT: 19.207 min Scan# 4454  
Delta R.T. -0.008 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

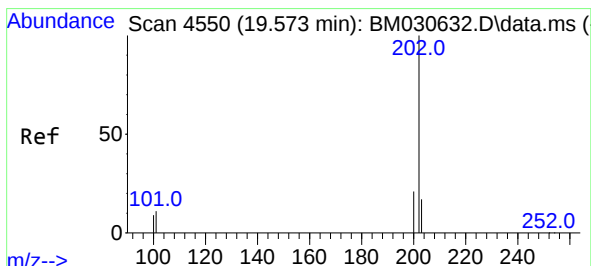
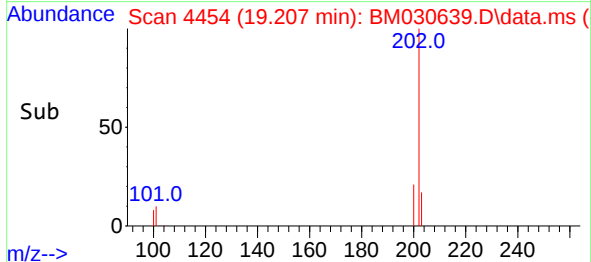
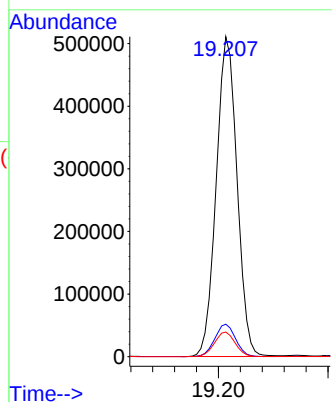
Instrument :  
BNA\_M  
ClientSampleId :  
BGDM4DL



Tgt Ion:202 Resp: 671651  
Ion Ratio Lower Upper  
202 100  
101 10.2 8.8 13.2  
100 7.7 6.9 10.3

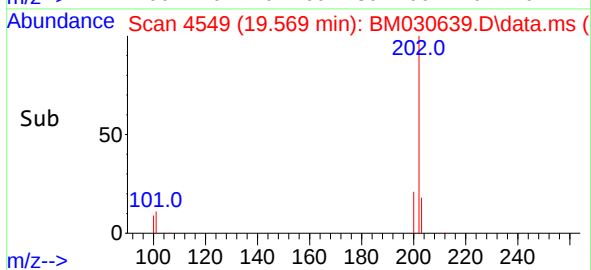
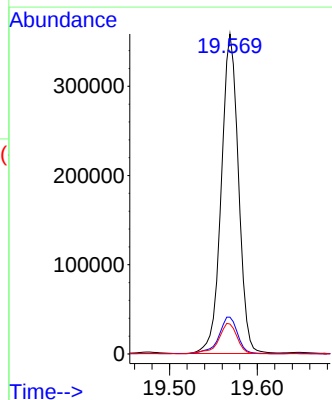
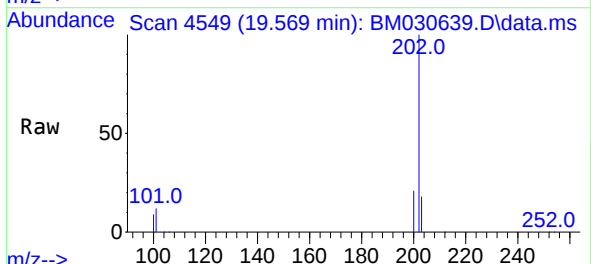
Manual Integrations  
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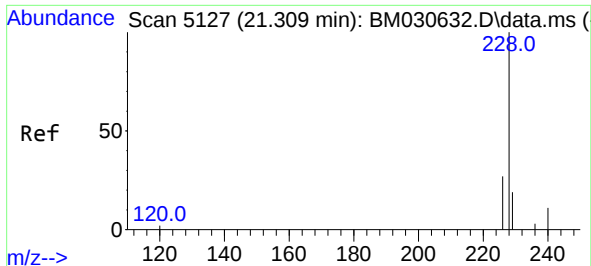
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#20  
Pyrene  
Concen: 6.775 ng/u1  
RT: 19.569 min Scan# 4549  
Delta R.T. -0.008 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

Tgt Ion:202 Resp: 488226  
Ion Ratio Lower Upper  
202 100  
101 11.5 10.1 15.1  
100 9.4 8.2 12.2





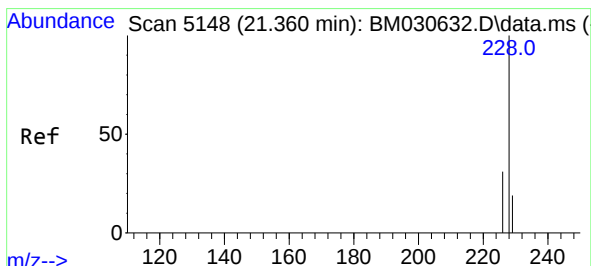
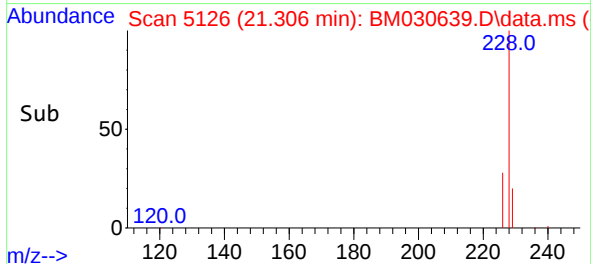
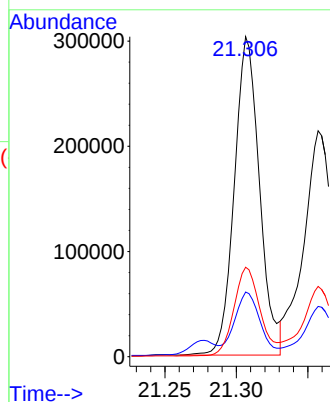
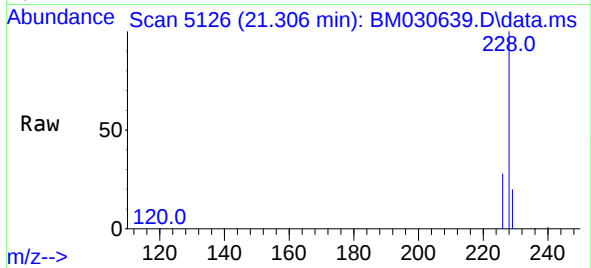
#21  
Benzo(a)anthracene  
Concen: 6.105 ng/u1  
RT: 21.306 min Scan# 5126  
Delta R.T. -0.007 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

Tgt Ion:228 Resp: 371021  
Ion Ratio Lower Upper  
228 100  
229 20.2 15.8 23.6  
226 27.9 22.2 33.4

Instrument :  
BNA\_M  
ClientSampled :  
BGDM4DL

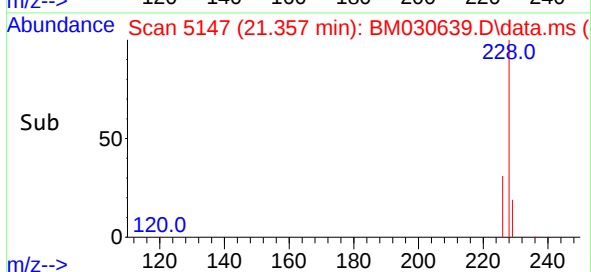
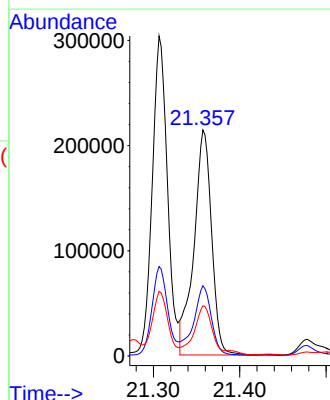
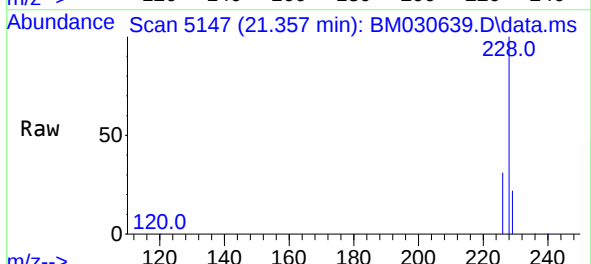
Manual Integrations  
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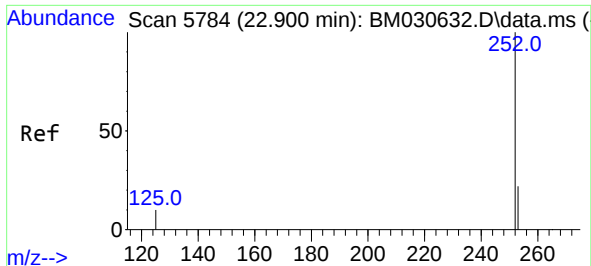
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6/28/2021 1:22:55 PM



#22  
Chrysene  
Concen: 4.510 ng/u1  
RT: 21.357 min Scan# 5147  
Delta R.T. -0.007 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

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Ion Ratio Lower Upper  
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229 22.2 15.4 23.0





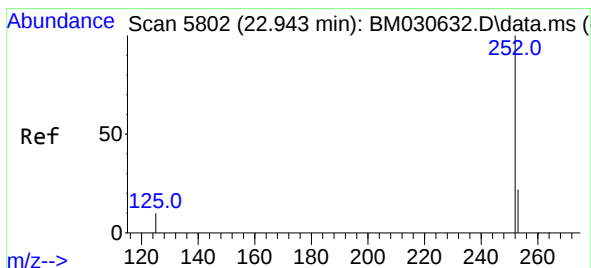
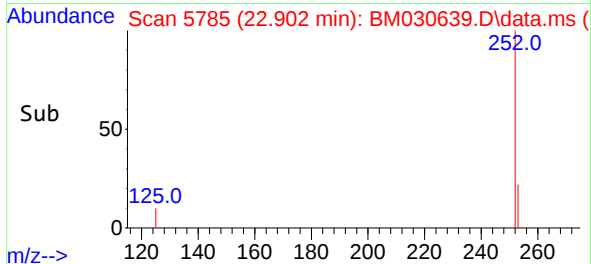
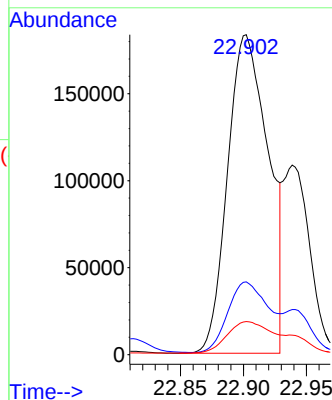
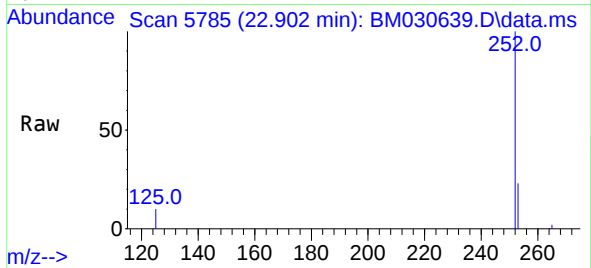
#24  
Benzo(b)fluoranthene  
Concen: 6.275 ng/ul m  
RT: 22.902 min Scan# 5785  
Delta R.T. -0.005 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

Tgt Ion:252 Resp: 411128  
Ion Ratio Lower Upper  
252 100  
253 22.7 0.0 50.2  
125 10.3 0.0 27.8

Instrument :  
BNA\_M  
ClientSampled :  
BGDM4DL

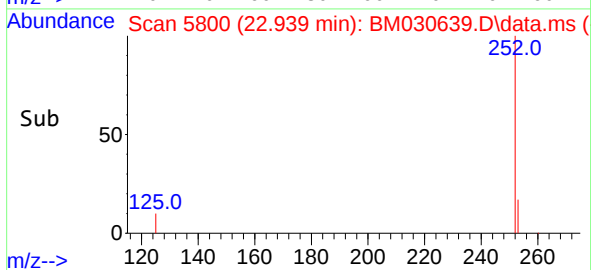
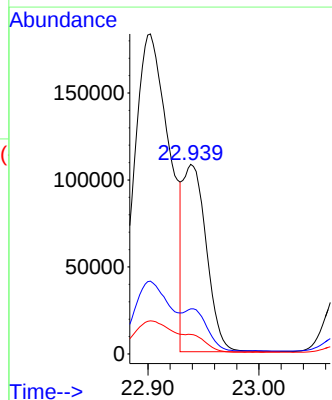
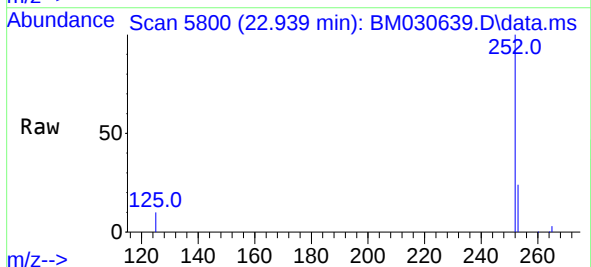
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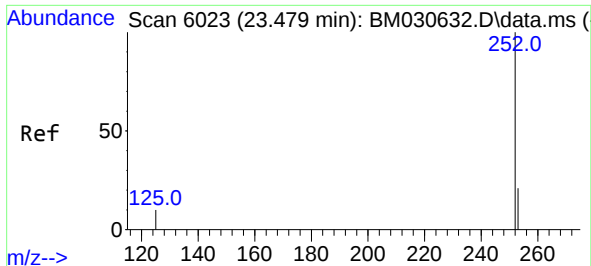
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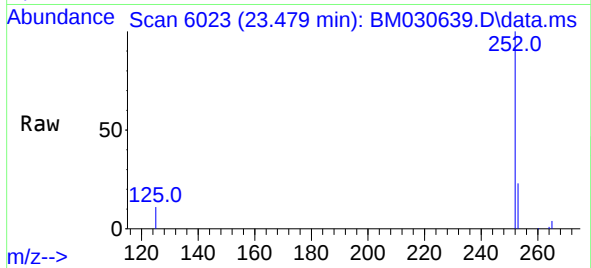
#25  
Benzo(k)fluoranthene  
Concen: 2.293 ng/ul m  
RT: 22.939 min Scan# 5800  
Delta R.T. -0.014 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53

Tgt Ion:252 Resp: 157605  
Ion Ratio Lower Upper  
252 100  
253 23.8 20.6 31.0  
125 10.3 11.0 16.4#

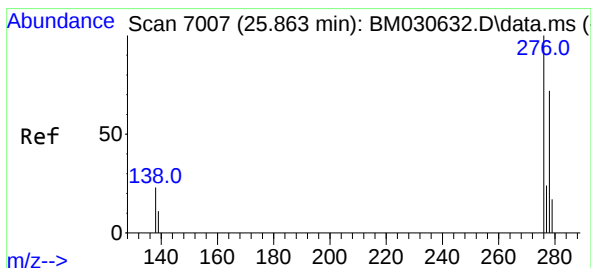
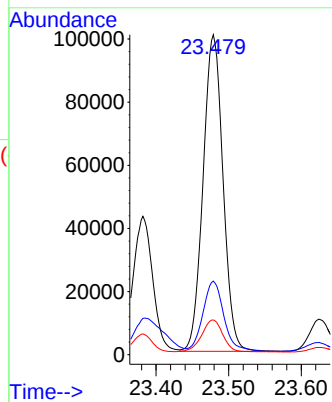
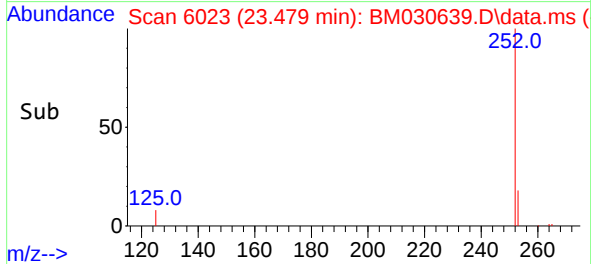




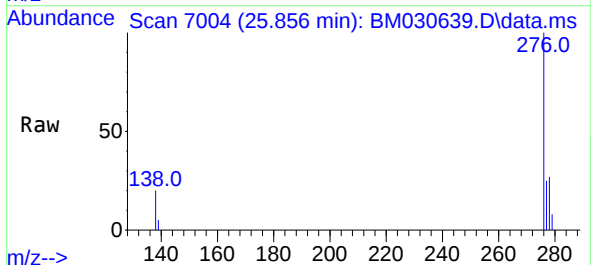
#26  
Benzo(a)pyrene  
Concen: 3.287 ng/ul  
RT: 23.479 min Scan# 6023  
Delta R.T. -0.010 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



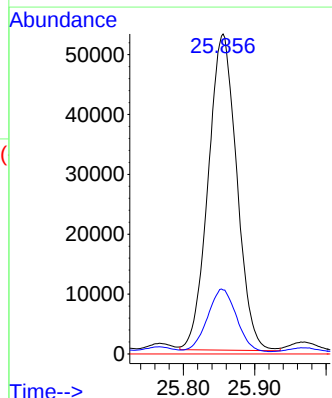
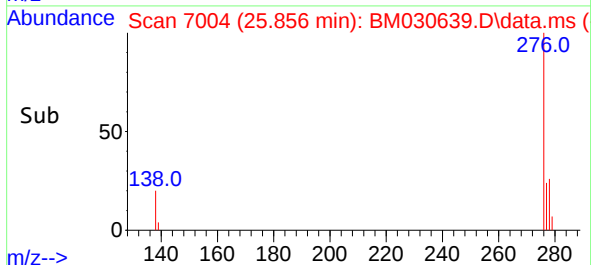
Tgt Ion:252 Resp: 191088  
Ion Ratio Lower Upper  
252 100  
253 23.0 22.0 33.0  
125 10.9 13.4 20.2#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.986 ng/ul  
RT: 25.856 min Scan# 7004  
Delta R.T. -0.017 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



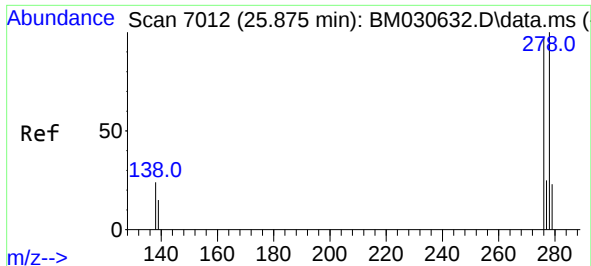
Tgt Ion:276 Resp: 146803  
Ion Ratio Lower Upper  
276 100  
138 20.1 19.1 28.7  
227 0.0 0.0 0.0



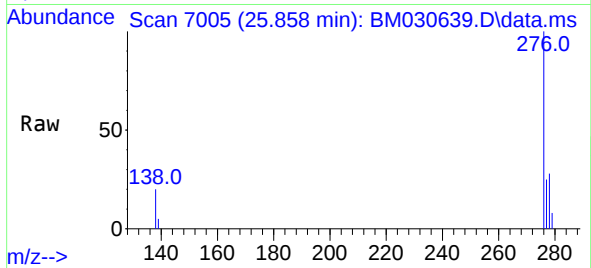
Instrument :  
BNA\_M  
ClientSampleId :  
BGDM4DL

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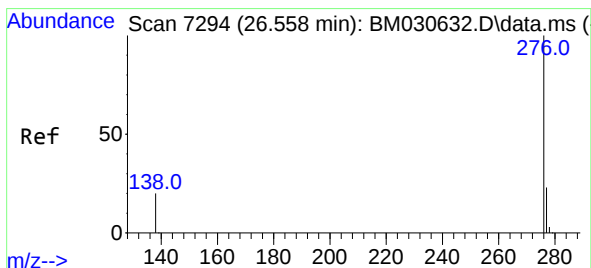
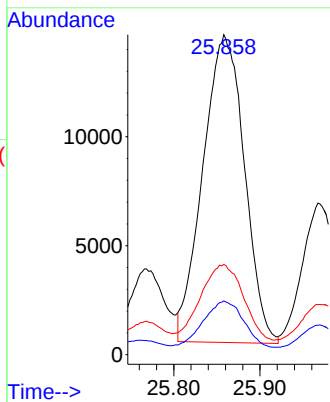
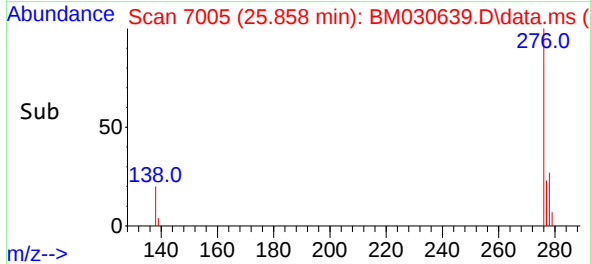
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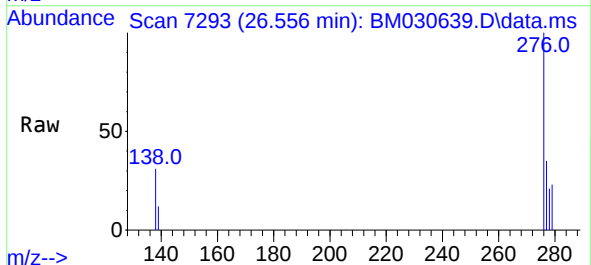
#28  
Dibenzo(a,h)anthracene  
Concen: 0.800 ng/ul  
RT: 25.858 min Scan# 7005  
Delta R.T. -0.029 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



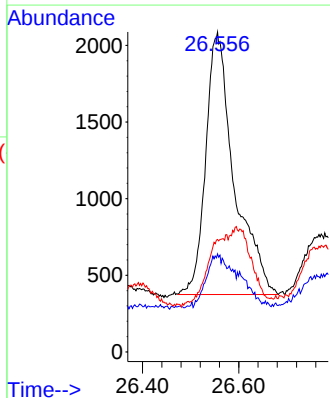
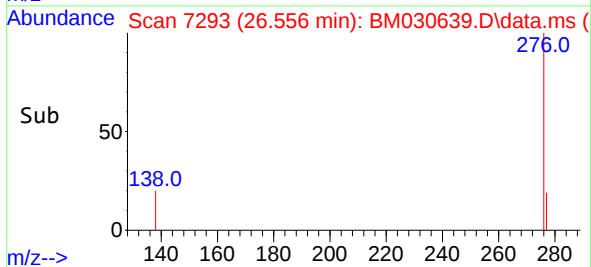
Tgt Ion:278 Resp: 47194  
Ion Ratio Lower Upper  
278 100  
139 16.8 14.2 21.4  
279 28.2 21.6 32.4



#29  
Benzo(g,h,i)perylene  
Concen: 0.110 ng/ul  
RT: 26.556 min Scan# 7293  
Delta R.T. -0.012 min  
Lab File: BM030639.D  
Acq: 26 Jun 2021 15:53



Tgt Ion:276 Resp: 7046  
Ion Ratio Lower Upper  
276 100  
138 30.7 18.0 27.0#  
277 35.2 19.5 29.3#



Instrument :  
BNA\_M  
ClientSampled :  
BGDM4DL

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