

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081221\  
 Data File : BM031719.D  
 Acq On : 13 Aug 2021 17:43  
 Operator : CG/JU  
 Sample : M3208-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00E9

Manual Integrations  
 APPROVED

mohammad  
 8/16/2021 8:40:09 AM

Quant Time: Aug 13 18:13:31 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 : Thu Aug 12 17:28:09 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.569  | 152  | 1101     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.325 | 136  | 4147     | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.201 | 164  | 2628     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.950 | 188  | 4732     | 0.400  | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.151 | 240  | 3917     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.309 | 264  | 3814     | 0.400  | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.182  | 96   | 3926     | 3.211  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.921 | 152  | 1439     | 0.206  | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.986 | 212  | 2794     | 0.214  | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.374 | 128  | 24905    | 2.016  | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.993 | 142  | 17274    | 2.047  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.218 | 142  | 8869     | 1.064  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.918 | 152  | 14367    | 1.284  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.265 | 153  | 1459m    | 0.155  | ng/ul  |          |
| 12) Fluorene                | 15.255 | 166  | 2443     | 0.225  | ng/ul# | 84       |
| 14) Pentachlorophenol       | 16.607 | 266  | 35       | 0.023  | ng/ul  | 91       |
| 15) Phenanthrene            | 16.992 | 178  | 79939    | 5.320  | ng/ul  | 98       |
| 16) Anthracene              | 17.086 | 178  | 18393    | 1.307  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.016 | 202  | 180857   | 10.813 | ng/ul  | 97       |
| 20) Pyrene                  | 19.382 | 202  | 141359   | 8.333  | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.137 | 228  | 84536    | 5.345  | ng/ul  | 96       |
| 22) Chrysene                | 21.188 | 228  | 98118    | 5.996  | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.670 | 252  | 120018m  | 6.984  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.708 | 252  | 40005m   | 2.253  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.217 | 252  | 67252    | 4.469  | ng/ul  | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.439 | 276  | 49578    | 2.548  | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.446 | 278  | 13434    | 0.857  | ng/ul# | 92       |
| 29) Benzo(g,h,i)perylene    | 26.095 | 276  | 13920    | 0.839  | ng/ul  | 95       |

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

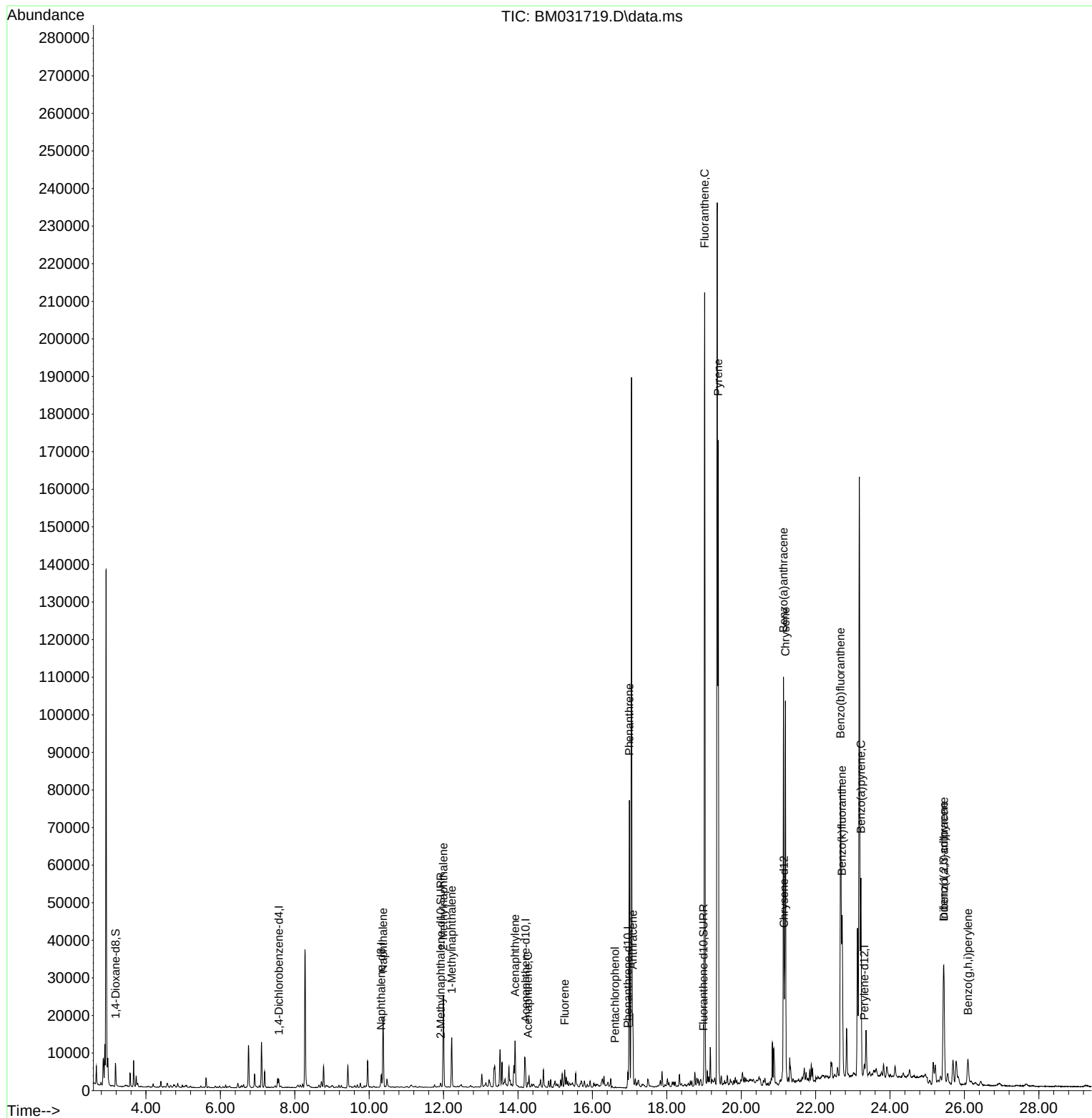
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Data File : BM031719.D  
Acq On : 13 Aug 2021 17:43  
Operator : CG/JU  
Sample : M3208-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

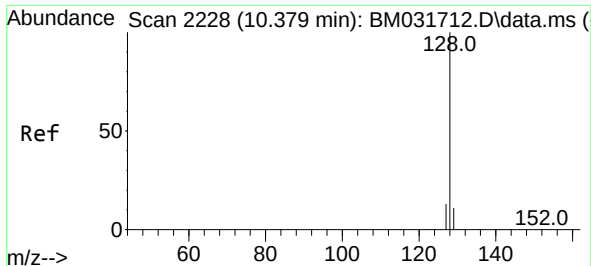
Instrument :  
BNA\_M  
ClientSampleId :  
C00E9

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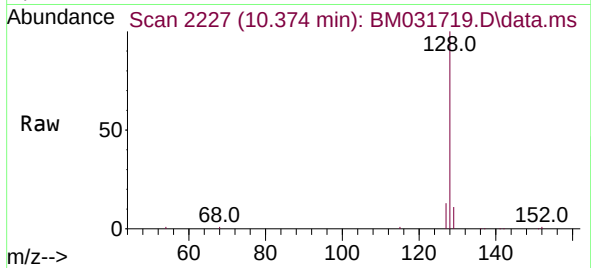
mohammad  
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Quant Time: Aug 13 18:13:31 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 12 17:28:09 2021  
Response via : Initial Calibration

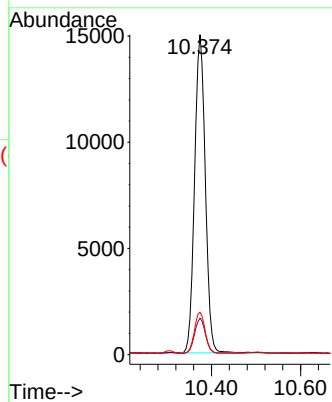
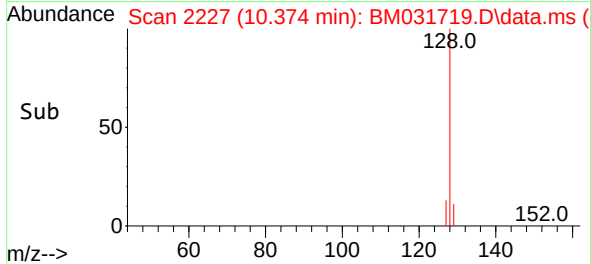




#5  
Naphthalene  
Concen: 2.016 ng/ul  
RT: 10.374 min Scan# 2227  
Delta R.T. -0.008 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



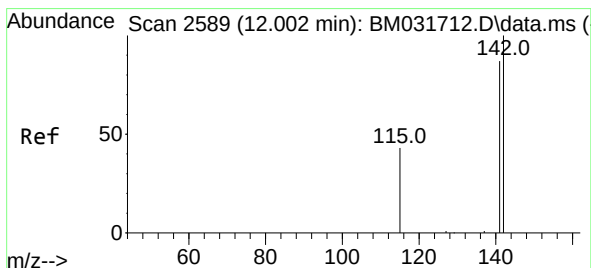
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|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 24905 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.4  | 10.0  | 15.0  |
| 127       | 13.2  | 11.6  | 17.4  |



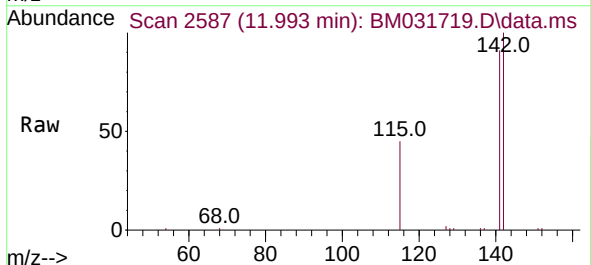
Instrument :  
BNA\_M  
ClientSampled :  
C00E9

Manual Integrations  
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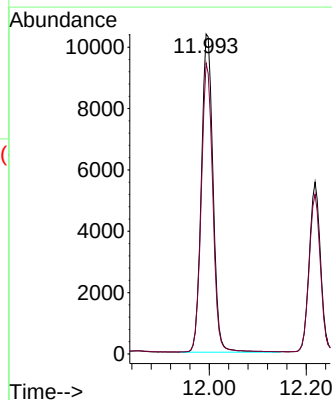
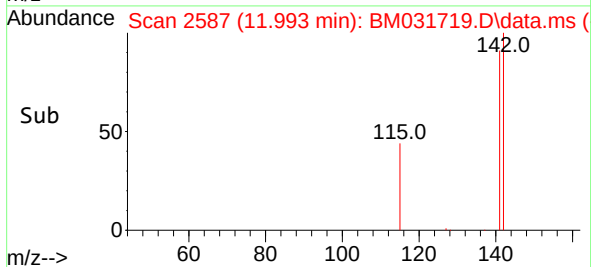
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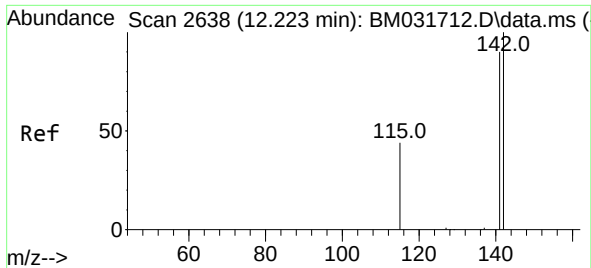


#7  
2-Methylnaphthalene  
Concen: 2.047 ng/ul  
RT: 11.993 min Scan# 2587  
Delta R.T. -0.013 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 17274 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.8  | 71.4  | 107.0 |





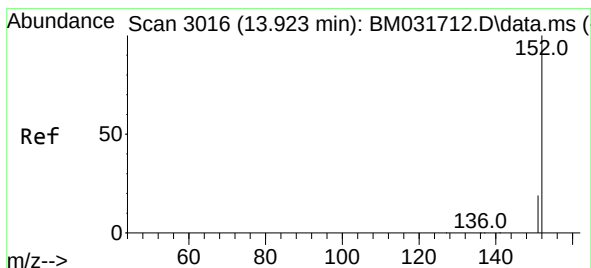
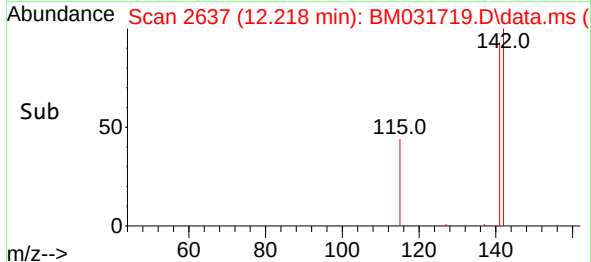
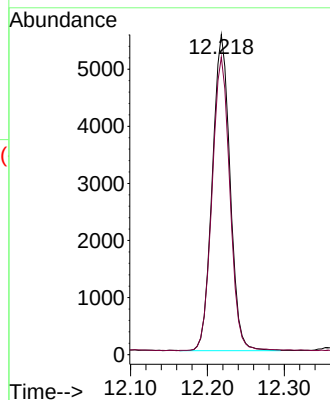
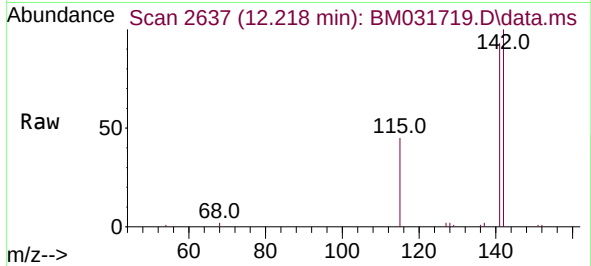
#8  
1-Methylnaphthalene  
Concen: 1.064 ng/ul  
RT: 12.218 min Scan# 2637  
Delta R.T. -0.008 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43

Tgt Ion:142 Resp: 8869  
Ion Ratio Lower Upper  
142 100  
141 93.4 74.1 111.1

Instrument :  
BNA\_M  
ClientSampled :  
C00E9

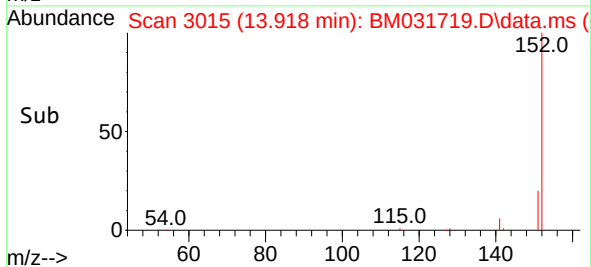
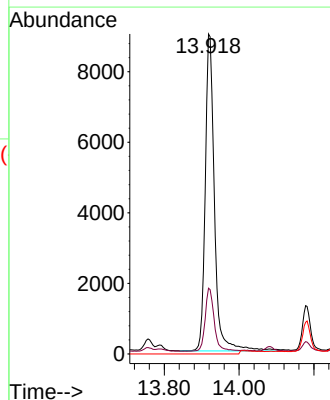
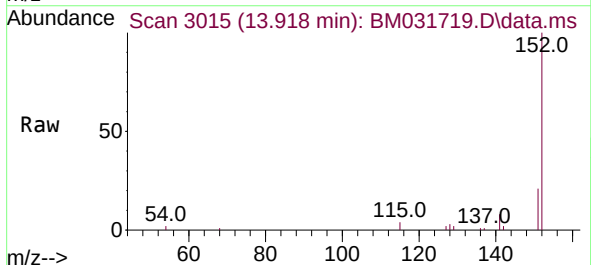
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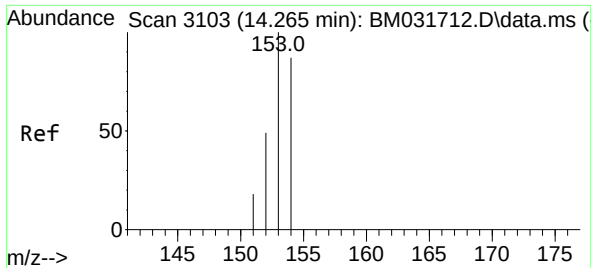
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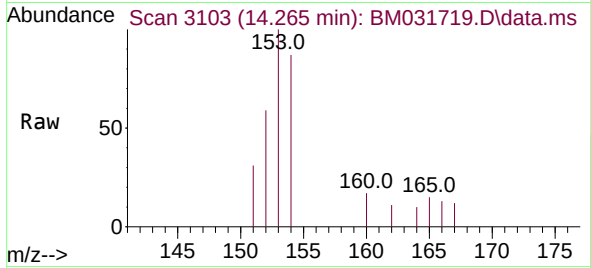
#10  
Acenaphthylene  
Concen: 1.284 ng/ul  
RT: 13.918 min Scan# 3015  
Delta R.T. -0.013 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43

Tgt Ion:152 Resp: 14367  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.9 25.3  
153 0.0 0.0 0.0

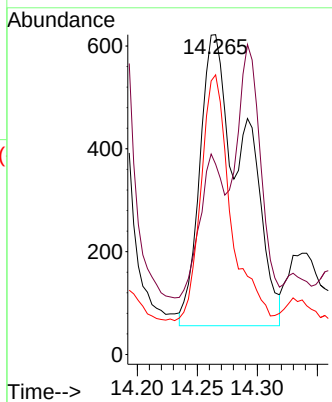
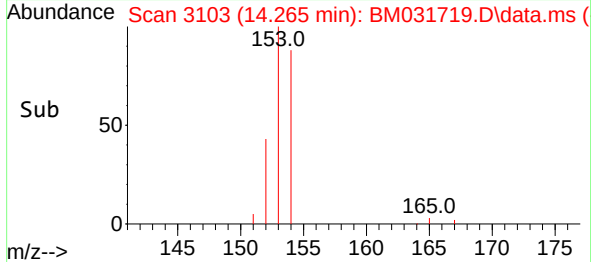




#11  
Acenaphthene  
Concen: 0.155 ng/ul m  
RT: 14.265 min Scan# 3103  
Delta R.T. -0.007 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



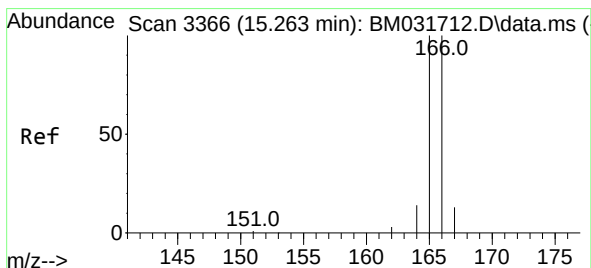
Tgt Ion:153 Resp: 1459  
Ion Ratio Lower Upper  
153 100  
152 59.5 40.7 61.1  
154 87.5 70.2 105.2



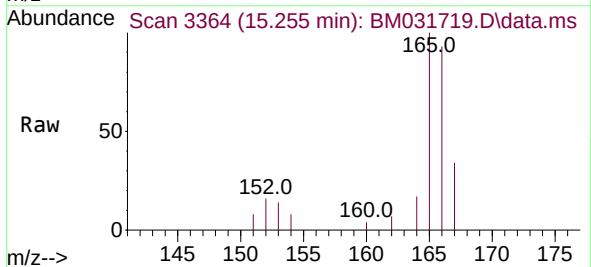
Instrument :  
BNA\_M  
ClientSampleId :  
C00E9

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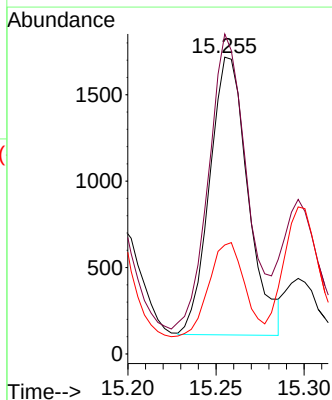
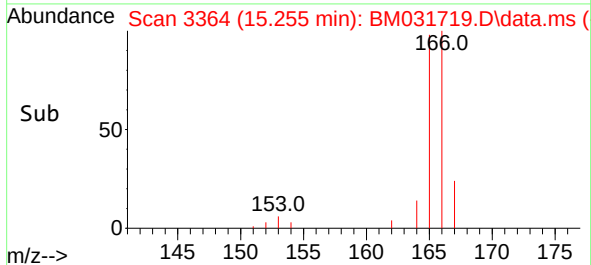
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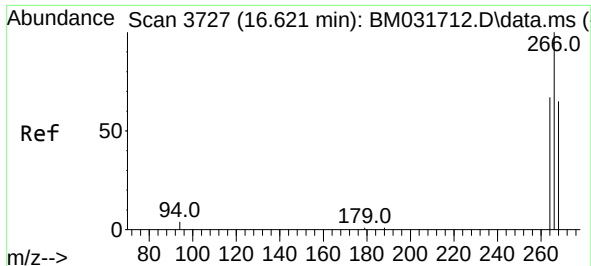


#12  
Fluorene  
Concen: 0.225 ng/ul  
RT: 15.255 min Scan# 3364  
Delta R.T. -0.015 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



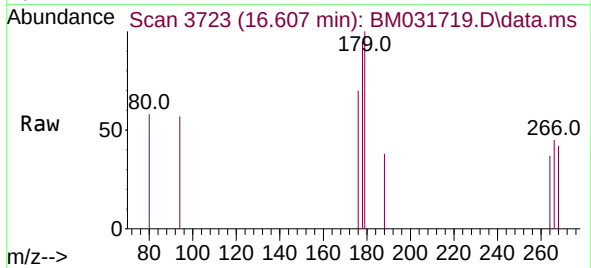
Tgt Ion:166 Resp: 2443  
Ion Ratio Lower Upper  
166 100  
165 107.8 78.0 117.0  
167 36.7 12.0 18.0#





#14  
 Pentachlorophenol  
 Concen: 0.023 ng/ul  
 RT: 16.607 min Scan# 3723  
 Delta R.T. -0.017 min  
 Lab File: BM031719.D  
 Acq: 13 Aug 2021 17:43

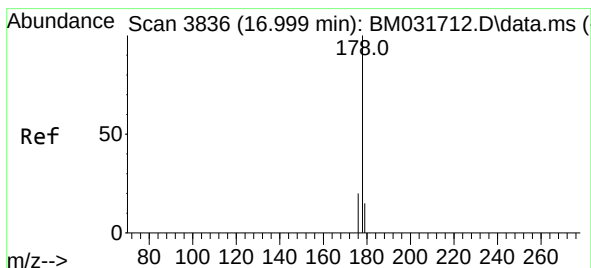
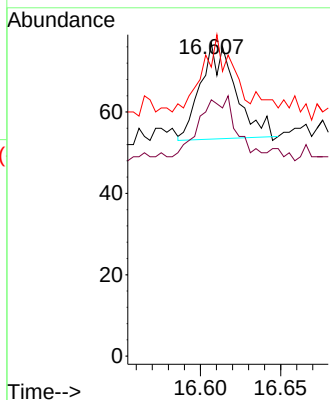
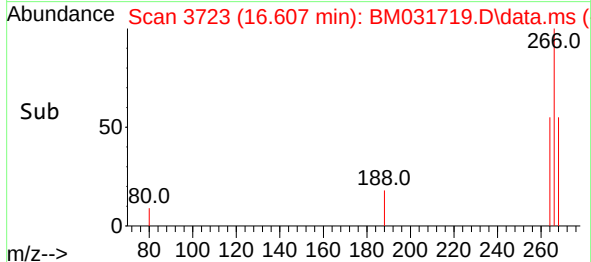
Instrument :  
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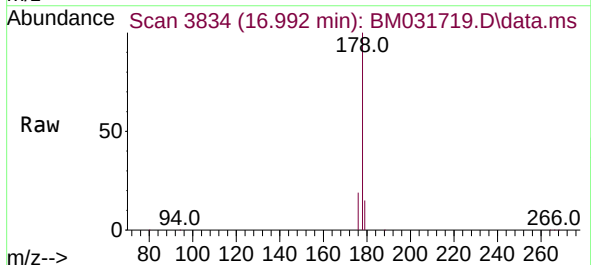
Tgt Ion:266 Resp: 35  
 Ion Ratio Lower Upper  
 266 100  
 264 71.4 50.1 75.1  
 268 68.6 51.3 76.9

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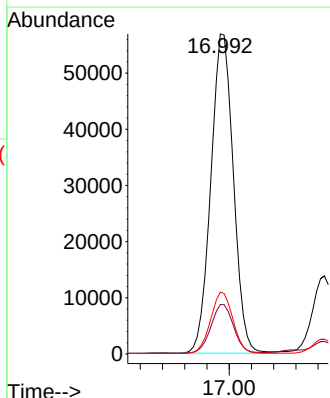
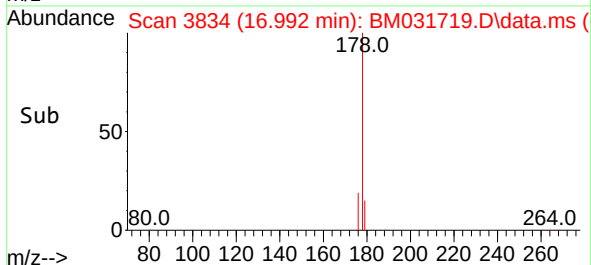
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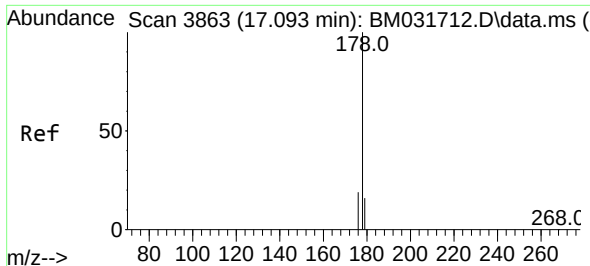


#15  
 Phenanthrene  
 Concen: 5.320 ng/ul  
 RT: 16.992 min Scan# 3834  
 Delta R.T. -0.010 min  
 Lab File: BM031719.D  
 Acq: 13 Aug 2021 17:43



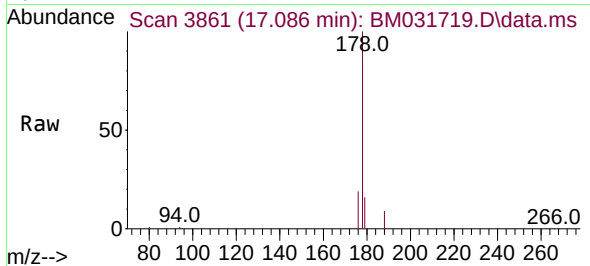
Tgt Ion:178 Resp: 79939  
 Ion Ratio Lower Upper  
 178 100  
 179 15.5 13.3 19.9  
 176 19.3 16.2 24.4





#16  
 Anthracene  
 Concen: 1.307 ng/ul  
 RT: 17.086 min Scan# 3861  
 Delta R.T. -0.010 min  
 Lab File: BM031719.D  
 Acq: 13 Aug 2021 17:43

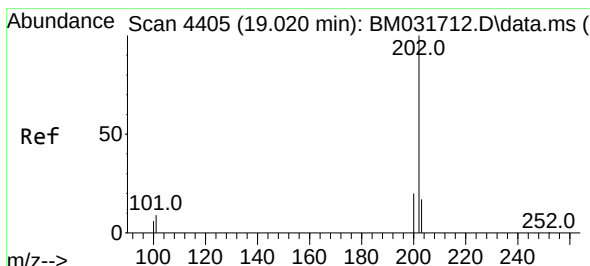
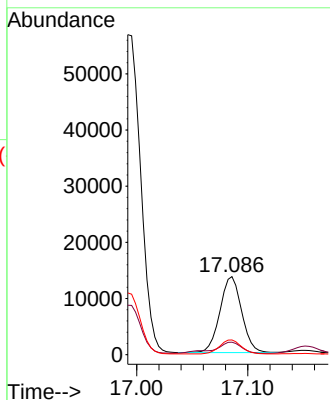
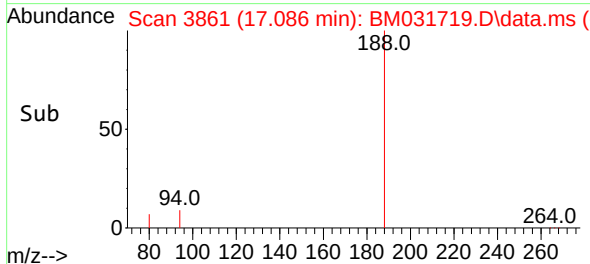
Instrument :  
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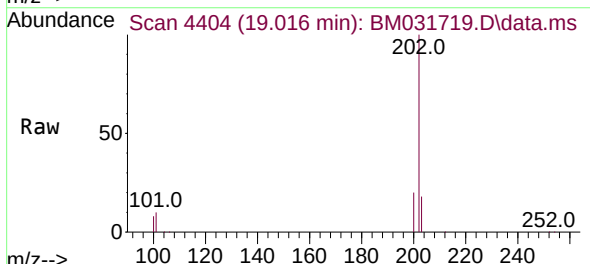
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 176 18.8 15.6 23.4

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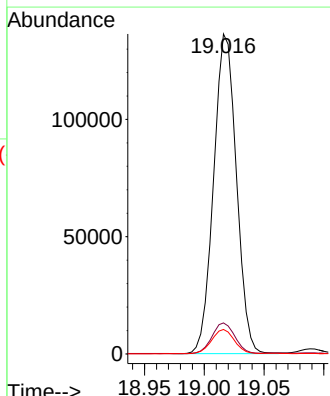
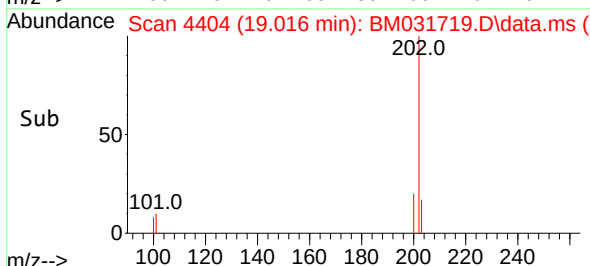
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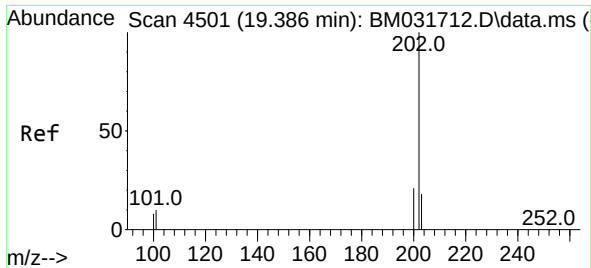


#19  
 Fluoranthene  
 Concen: 10.813 ng/ul  
 RT: 19.016 min Scan# 4404  
 Delta R.T. -0.011 min  
 Lab File: BM031719.D  
 Acq: 13 Aug 2021 17:43



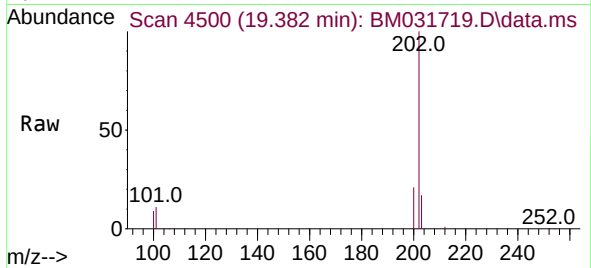
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 Ion Ratio Lower Upper  
 202 100  
 101 9.7 6.6 10.0  
 100 7.6 5.4 8.0





#20  
Pyrene  
Concen: 8.333 ng/ul  
RT: 19.382 min Scan# 4500  
Delta R.T. -0.007 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43

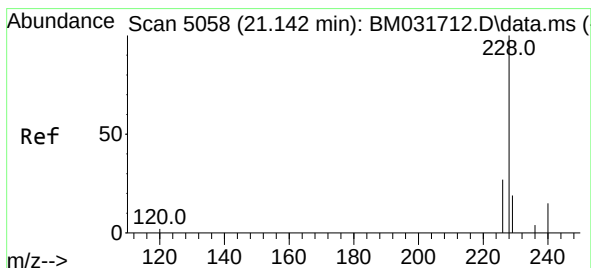
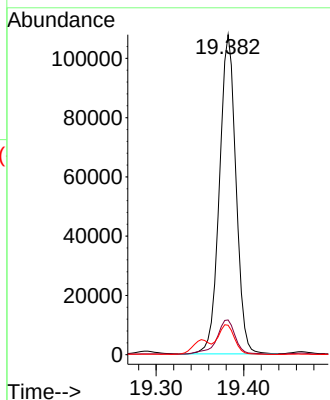
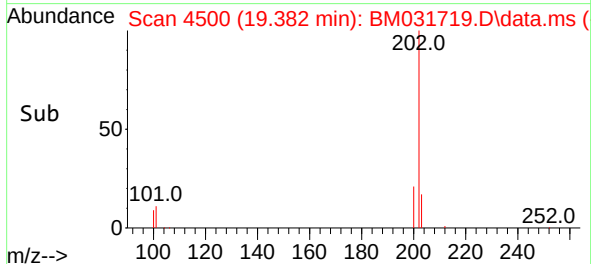
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BNA\_M  
ClientSampled :  
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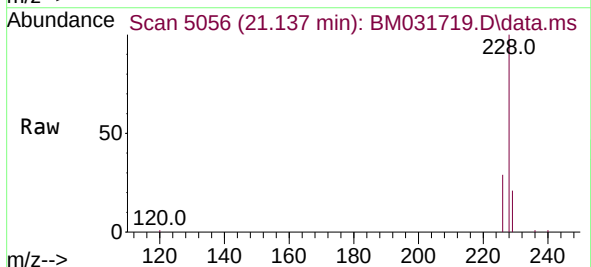
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101 10.9 7.8 11.6  
100 9.2 6.6 10.0

Manual Integrations  
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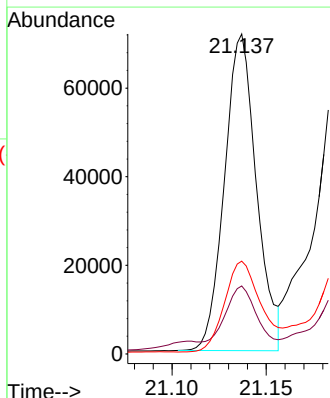
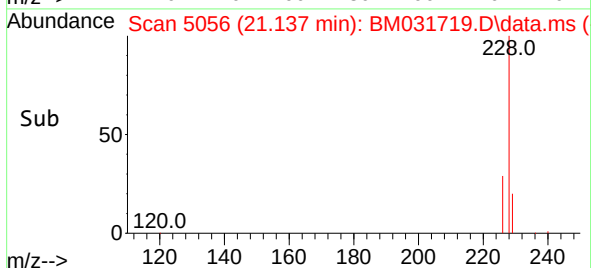
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8/16/2021 8:40:09 AM



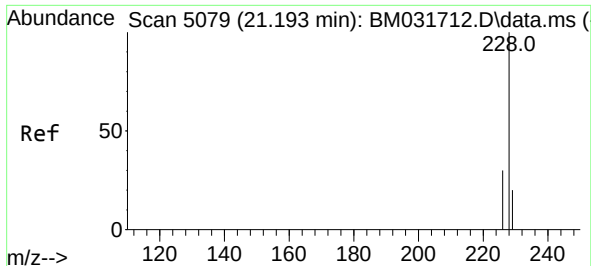
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Benzo(a)anthracene  
Concen: 5.345 ng/ul  
RT: 21.137 min Scan# 5056  
Delta R.T. -0.007 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



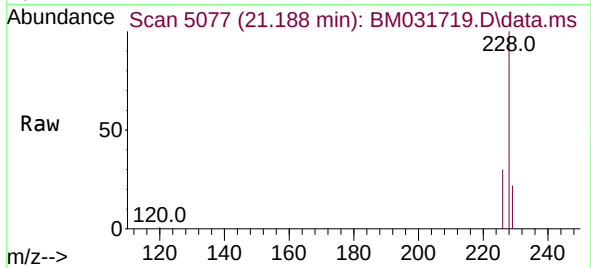
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Ion Ratio Lower Upper  
228 100  
229 21.2 15.6 23.4  
226 29.0 21.7 32.5



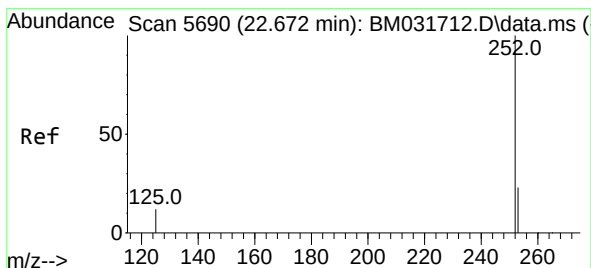
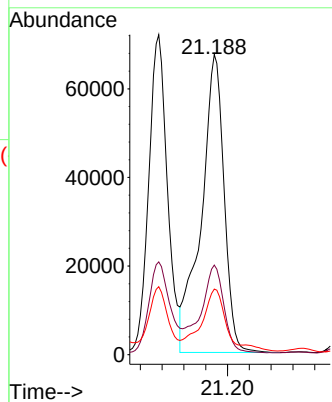
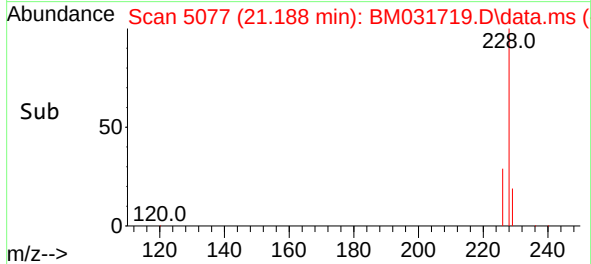




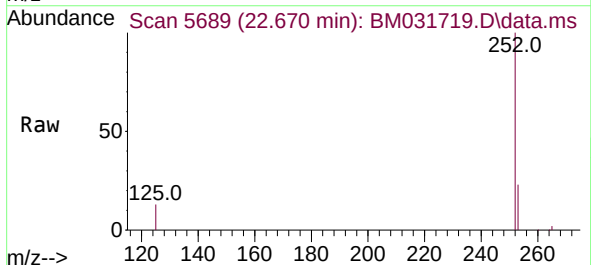
#22  
Chrysene  
Concen: 5.996 ng/ul  
RT: 21.188 min Scan# 5077  
Delta R.T. -0.007 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



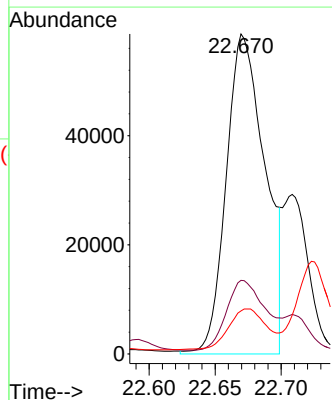
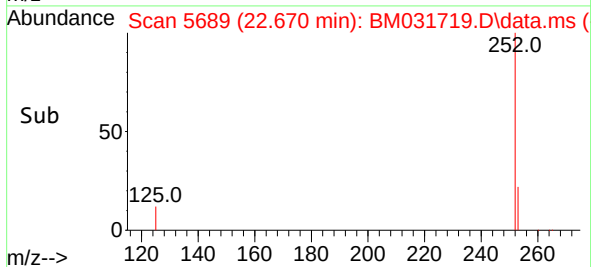
Tgt Ion:228 Resp: 98118  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.7 37.1  
229 21.8 16.2 24.2



#24  
Benzo(b)fluoranthene  
Concen: 6.984 ng/ul m  
RT: 22.670 min Scan# 5689  
Delta R.T. -0.007 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



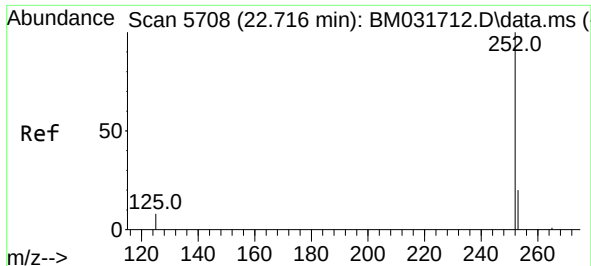
Tgt Ion:252 Resp: 120018  
Ion Ratio Lower Upper  
252 100  
253 23.0 0.0 53.0  
125 13.4 0.0 22.8



Instrument :  
BNA\_M  
ClientSampled :  
C00E9

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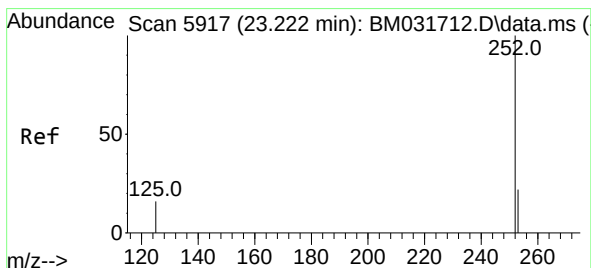
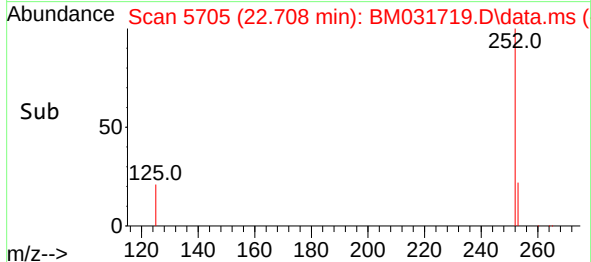
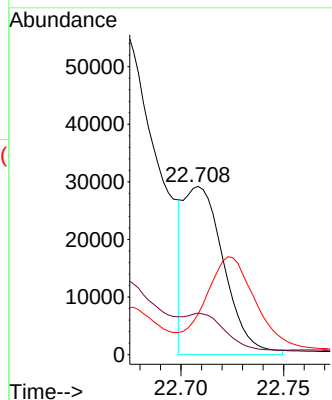
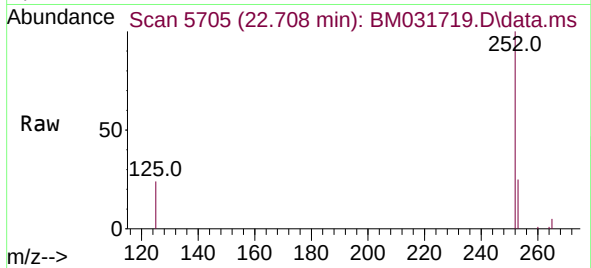
#25  
Benzo(k)fluoranthene  
Concen: 2.253 ng/ul m  
RT: 22.708 min Scan# 5705  
Delta R.T. -0.012 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43

Tgt Ion:252 Resp: 40005  
Ion Ratio Lower Upper  
252 100  
253 24.7 21.3 31.9  
125 24.2 8.8 13.2#

Instrument :  
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ClientSampled :  
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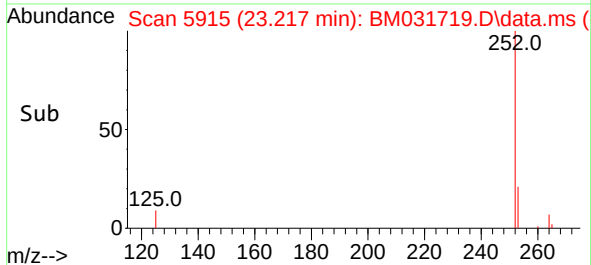
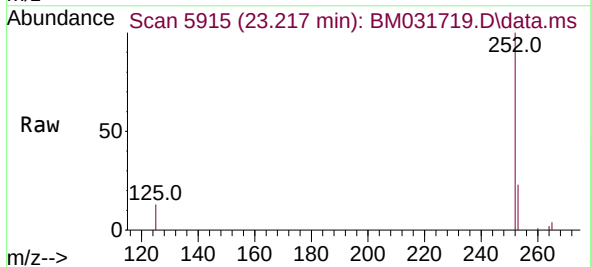
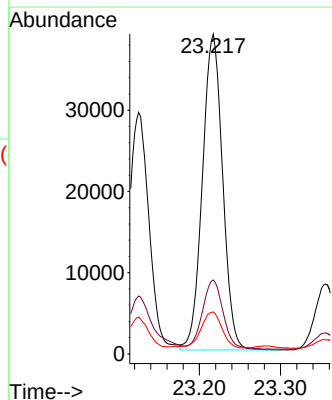
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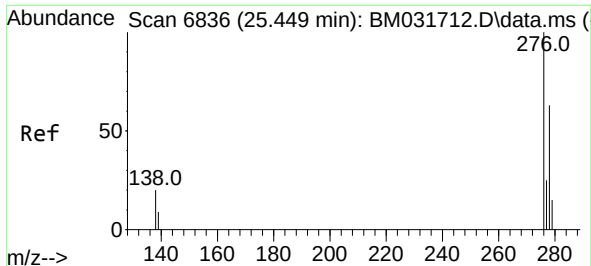
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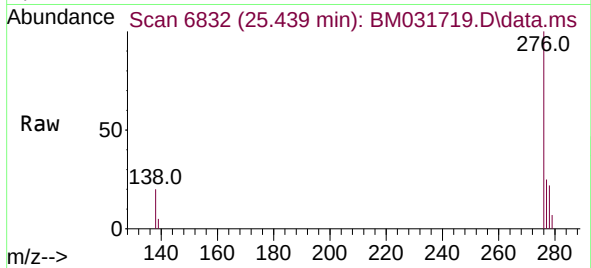
#26  
Benzo(a)pyrene  
Concen: 4.469 ng/ul  
RT: 23.217 min Scan# 5915  
Delta R.T. -0.009 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43

Tgt Ion:252 Resp: 67252  
Ion Ratio Lower Upper  
252 100  
253 23.1 22.4 33.6  
125 13.1 13.0 19.4

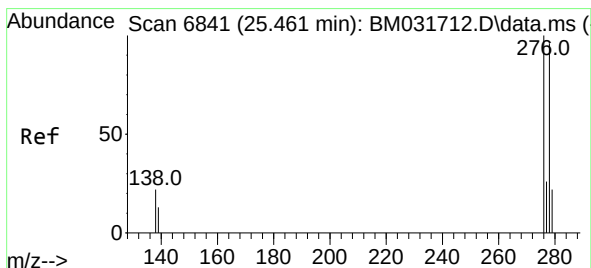
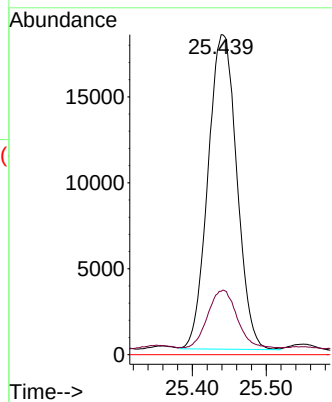
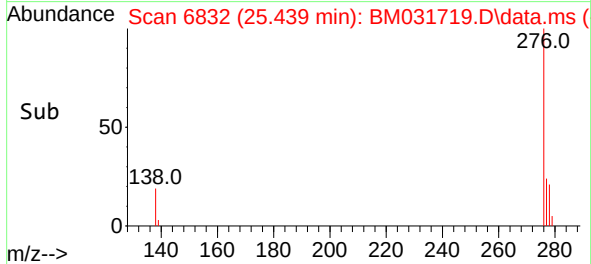




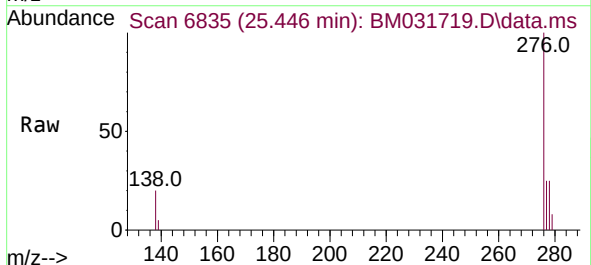
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.548 ng/ul  
RT: 25.439 min Scan# 6832  
Delta R.T. -0.022 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



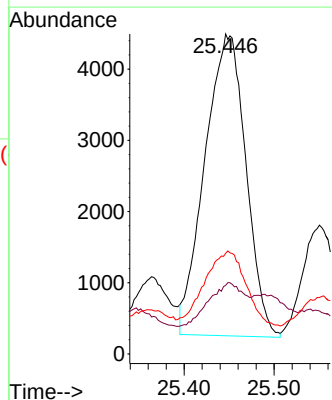
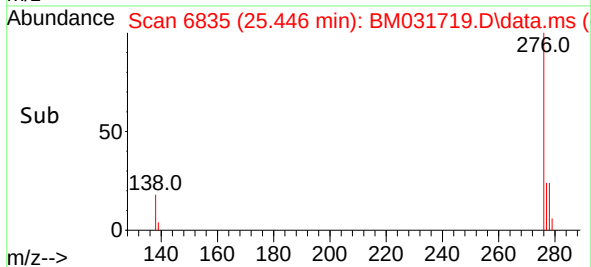
Tgt Ion:276 Resp: 49578  
Ion Ratio Lower Upper  
276 100  
138 19.7 15.8 23.8  
227 0.0 0.0 0.0



#28  
Dibenzo(a,h)anthracene  
Concen: 0.857 ng/ul  
RT: 25.446 min Scan# 6835  
Delta R.T. -0.026 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



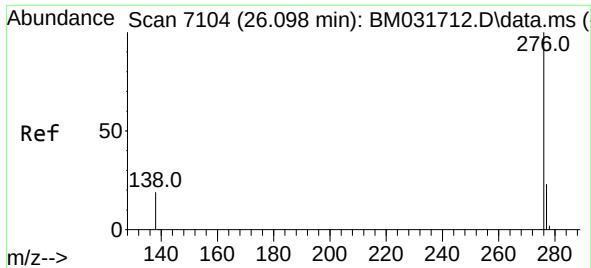
Tgt Ion:278 Resp: 13434  
Ion Ratio Lower Upper  
278 100  
139 21.5 13.3 19.9#  
279 31.4 22.8 34.2



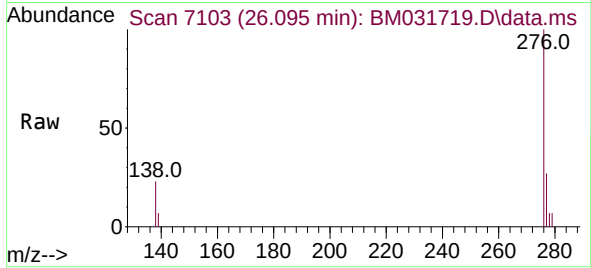
Instrument :  
BNA\_M  
ClientSampled :  
C00E9

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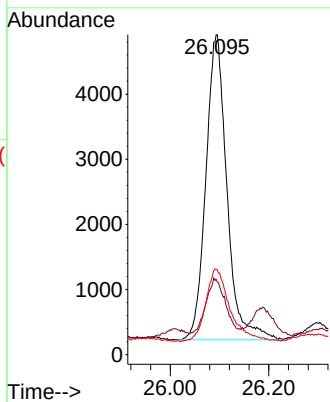
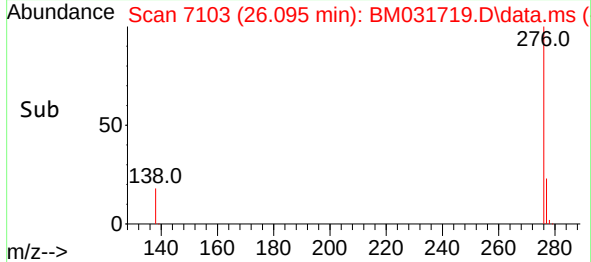
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#29  
Benzo(g,h,i)perylene  
Concen: 0.839 ng/ul  
RT: 26.095 min Scan# 7103  
Delta R.T. -0.012 min  
Lab File: BM031719.D  
Acq: 13 Aug 2021 17:43



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13920 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.7  | 15.4  | 23.2  |
| 277       | 26.5  | 19.9  | 29.9  |



Instrument :  
BNA\_M  
ClientSampled :  
C00E9

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