

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081221\  
 Data File : BM031714.D  
 Acq On : 13 Aug 2021 14:31  
 Operator : CG/JU  
 Sample : M3208-08  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00E8

Manual Integrations  
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 8/16/2021 8:39:54 AM

Quant Time: Aug 13 15:08:38 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  | 952      | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.329 | 136  | 3528     | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.201 | 164  | 2351     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.950 | 188  | 4536     | 0.400  | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.154 | 240  | 3845     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.314 | 264  | 4912     | 0.400  | ng/ul  | # 0.00   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.182  | 96   | 2496     | 2.361  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.921 | 152  | 1032     | 0.174  | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.985 | 212  | 2580     | 0.201  | ng/ul  | -0.01    |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.374 | 128  | 12346    | 1.175  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.993 | 142  | 12094    | 1.684  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.218 | 142  | 11670    | 1.645  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.923 | 152  | 20563    | 2.054  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.261 | 153  | 3324     | 0.394  | ng/ul  | 95       |
| 12) Fluorene                | 15.255 | 166  | 4973     | 0.513  | ng/ul# | 78       |
| 14) Pentachlorophenol       | 16.610 | 266  | 38       | 0.026  | ng/ul  | 93       |
| 15) Phenanthrene            | 16.992 | 178  | 151118   | 10.492 | ng/ul  | 97       |
| 16) Anthracene              | 17.086 | 178  | 29786    | 2.209  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.016 | 202  | 241895   | 14.733 | ng/ul  | 96       |
| 20) Pyrene                  | 19.382 | 202  | 200901   | 12.064 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.137 | 228  | 126245   | 8.131  | ng/ul# | 91       |
| 22) Chrysene                | 21.190 | 228  | 172089   | 10.713 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 22.672 | 252  | 185394m  | 8.377  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.711 | 252  | 66490m   | 2.908  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.219 | 252  | 116212   | 5.996  | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.448 | 276  | 105372   | 4.206  | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.451 | 278  | 40453    | 2.003  | ng/ul# | 81       |
| 29) Benzo(g,h,i)perylene    | 26.103 | 276  | 47359    | 2.216  | ng/ul# | 94       |
| -----                       |        |      |          |        |        |          |

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

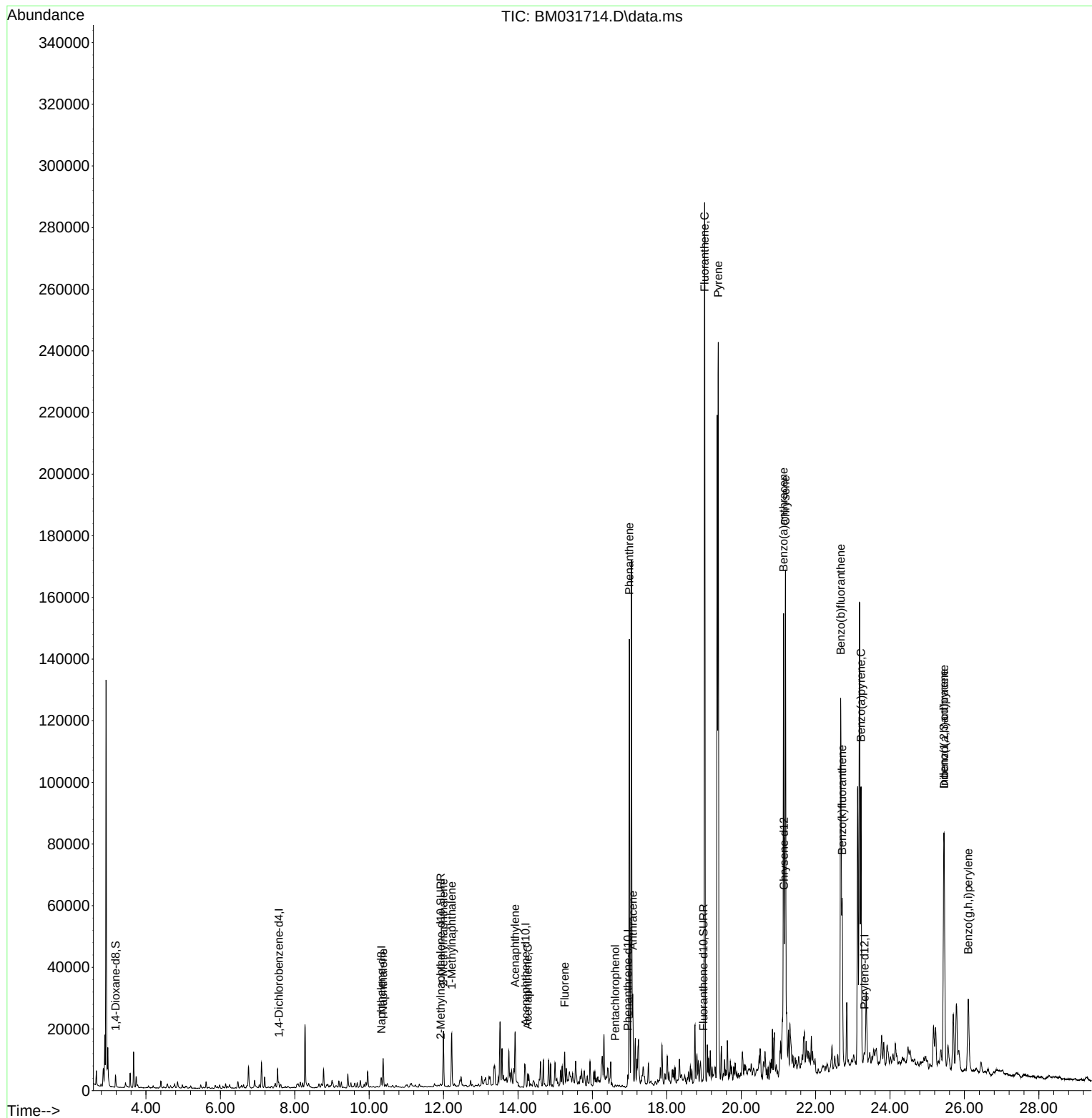
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Data File : BM031714.D  
Acq On : 13 Aug 2021 14:31  
Operator : CG/JU  
Sample : M3208-08  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

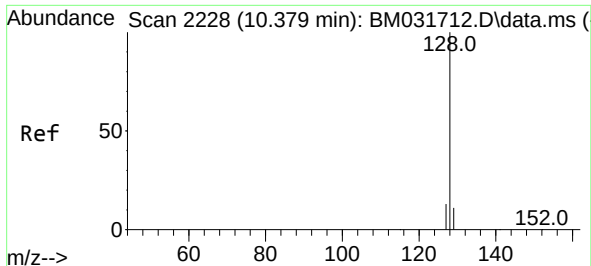
Instrument :  
BNA\_M  
ClientSampled :  
C00E8

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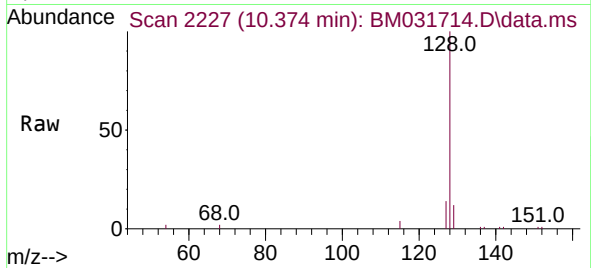
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Quant Time: Aug 13 15:08:38 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 12 17:28:09 2021  
Response via : Initial Calibration

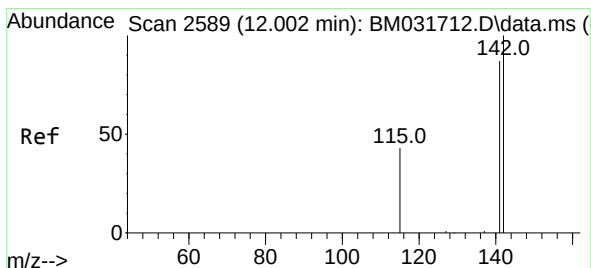
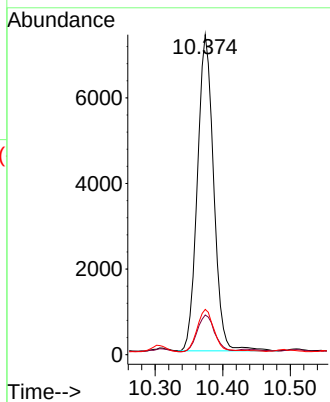
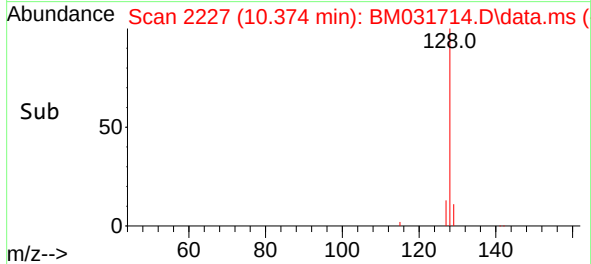




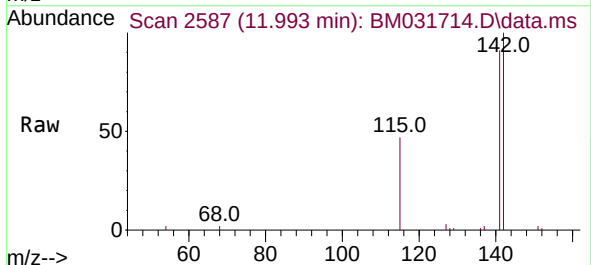
#5  
Naphthalene  
Concen: 1.175 ng/ul  
RT: 10.374 min Scan# 2227  
Delta R.T. -0.008 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



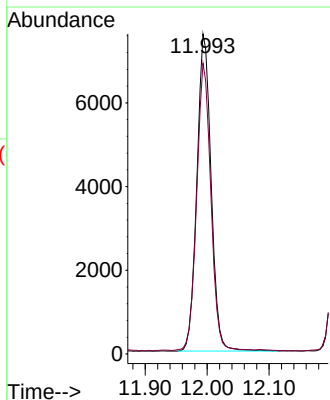
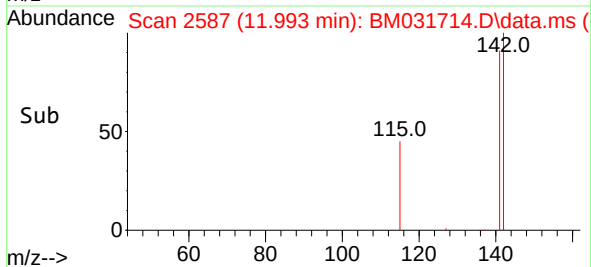
Tgt Ion:128 Resp: 12346  
Ion Ratio Lower Upper  
128 100  
129 12.4 10.0 15.0  
127 14.2 11.6 17.4



#7  
2-Methylnaphthalene  
Concen: 1.684 ng/ul  
RT: 11.993 min Scan# 2587  
Delta R.T. -0.013 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



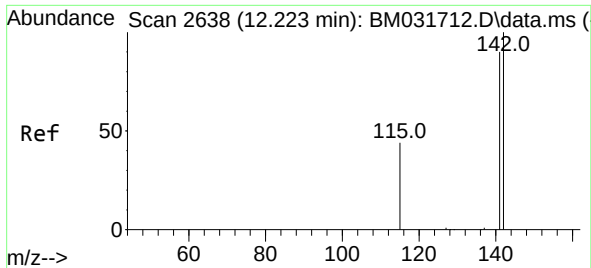
Tgt Ion:142 Resp: 12094  
Ion Ratio Lower Upper  
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Instrument :  
BNA\_M  
ClientSampled :  
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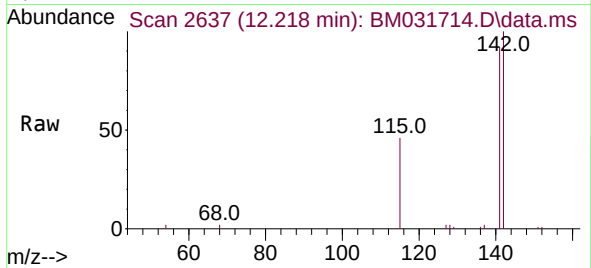
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#8  
1-Methylnaphthalene  
Concen: 1.645 ng/ul  
RT: 12.218 min Scan# 2637  
Delta R.T. -0.008 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31

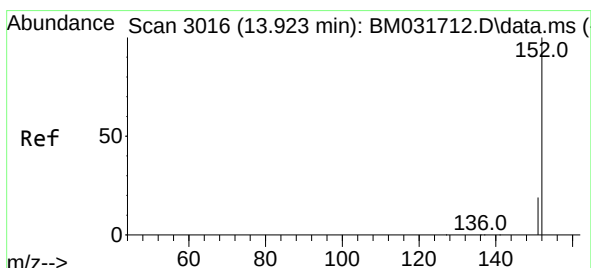
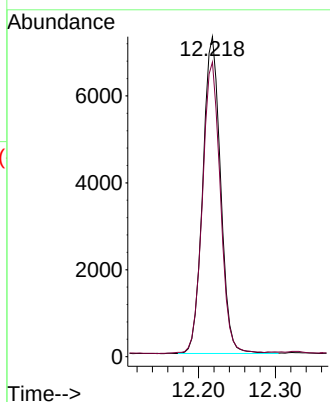
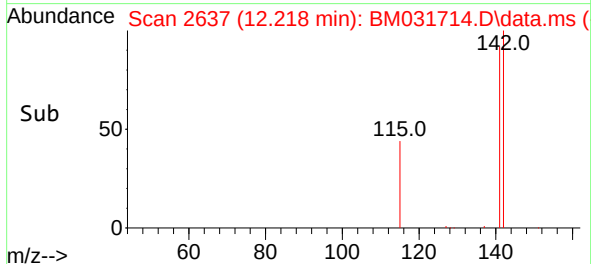
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BNA\_M  
ClientSampled :  
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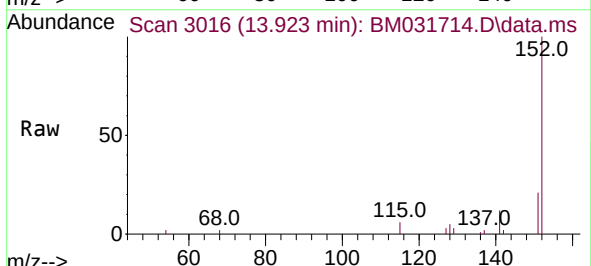
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Ion Ratio Lower Upper  
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141 93.4 74.1 111.1

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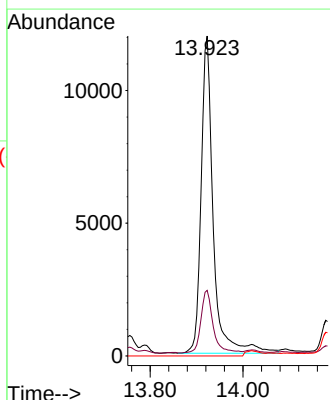
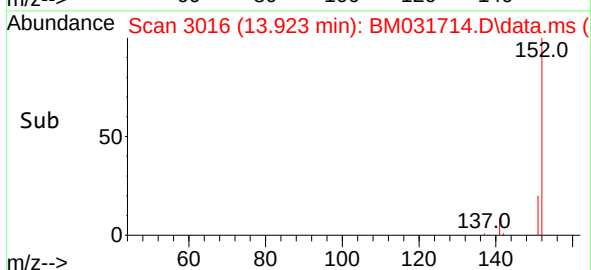
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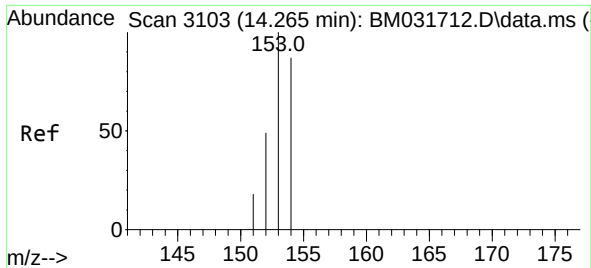


#10  
Acenaphthylene  
Concen: 2.054 ng/ul  
RT: 13.923 min Scan# 3016  
Delta R.T. -0.008 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



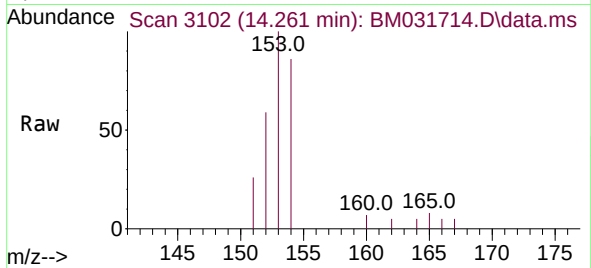
Tgt Ion:152 Resp: 20563  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.9 25.3  
153 0.0 0.0 0.0





#11  
Acenaphthene  
Concen: 0.394 ng/ul  
RT: 14.261 min Scan# 3102  
Delta R.T. -0.011 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31

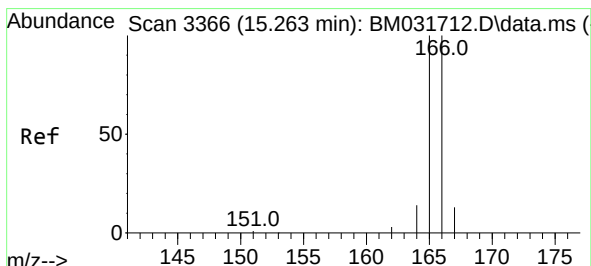
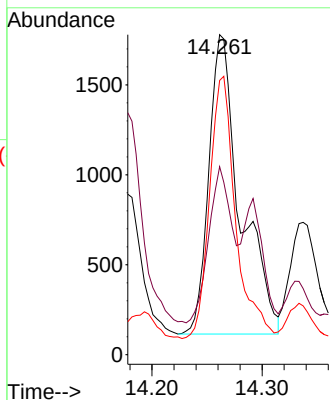
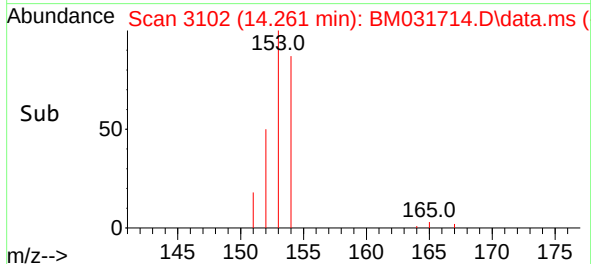
Instrument :  
BNA\_M  
ClientSampled :  
C00E8



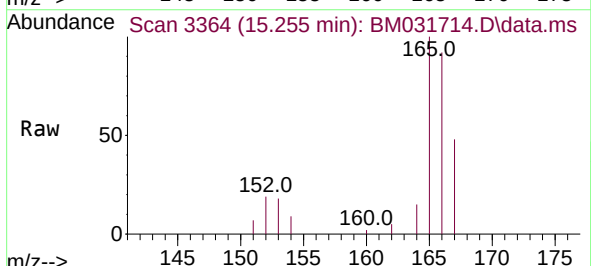
Tgt Ion:153 Resp: 3324  
Ion Ratio Lower Upper  
153 100  
152 58.7 40.7 61.1  
154 85.7 70.2 105.2

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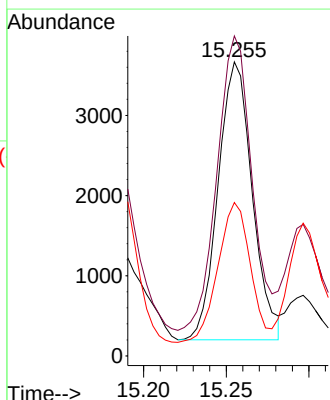
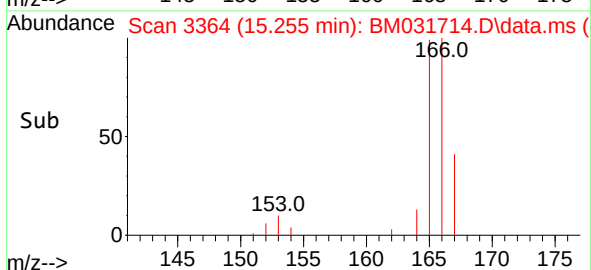
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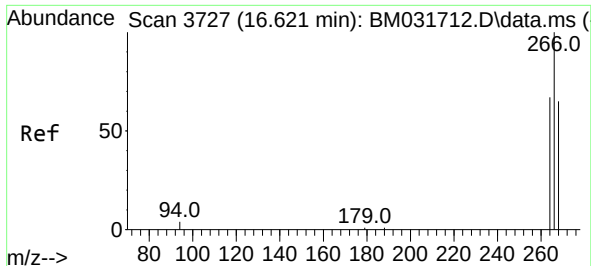


#12  
Fluorene  
Concen: 0.513 ng/ul  
RT: 15.255 min Scan# 3364  
Delta R.T. -0.015 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



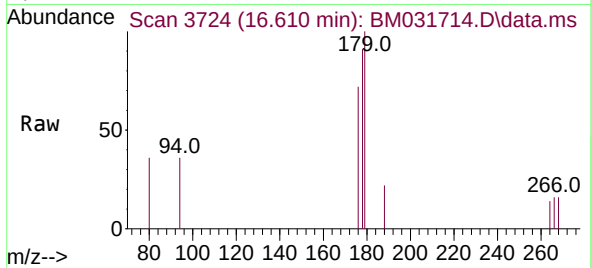
Tgt Ion:166 Resp: 4973  
Ion Ratio Lower Upper  
166 100  
165 108.8 78.0 117.0  
167 52.2 12.0 18.0#





#14  
 Pentachlorophenol  
 Concen: 0.026 ng/ul  
 RT: 16.610 min Scan# 3724  
 Delta R.T. -0.014 min  
 Lab File: BM031714.D  
 Acq: 13 Aug 2021 14:31

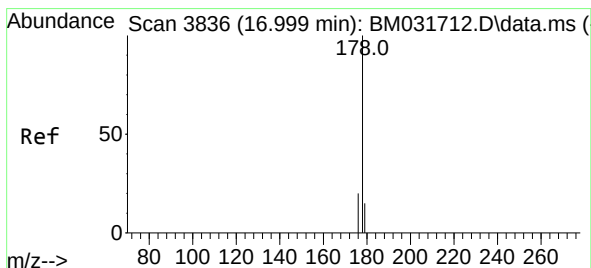
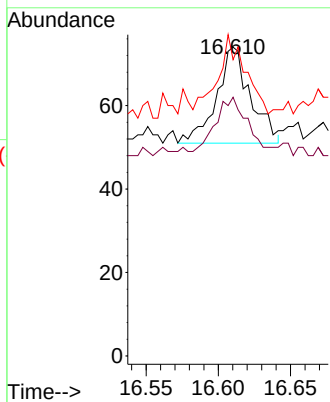
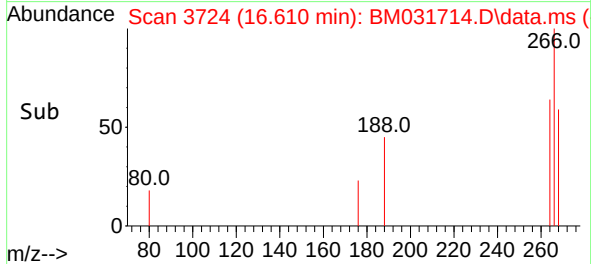
Instrument :  
 BNA\_M  
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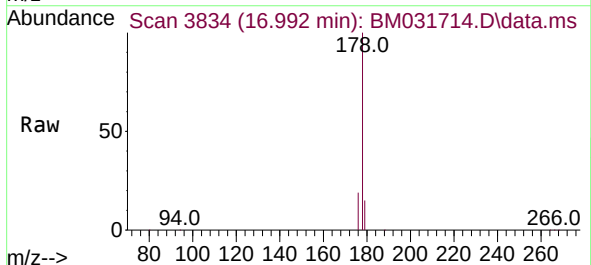
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 38   |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 57.9  | 50.1  | 75.1 |
| 268       | 71.1  | 51.3  | 76.9 |

Manual Integrations  
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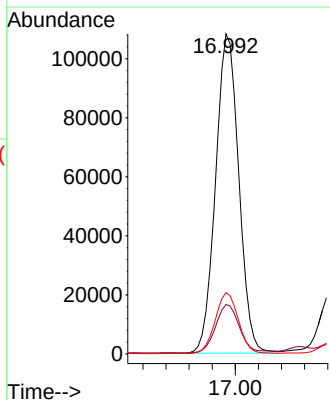
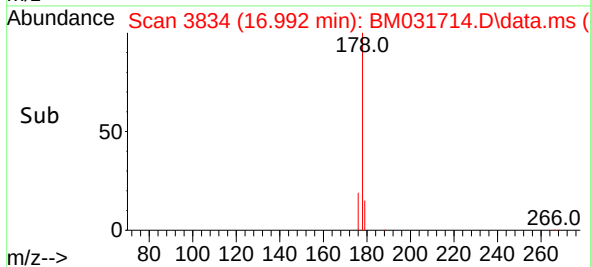
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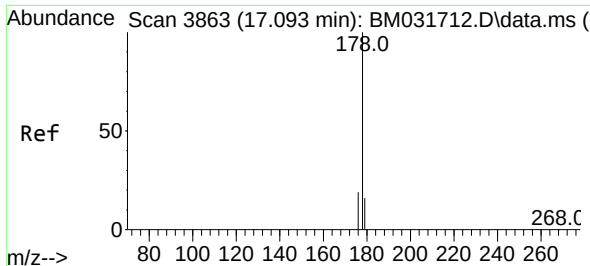


#15  
 Phenanthrene  
 Concen: 10.492 ng/ul  
 RT: 16.992 min Scan# 3834  
 Delta R.T. -0.010 min  
 Lab File: BM031714.D  
 Acq: 13 Aug 2021 14:31



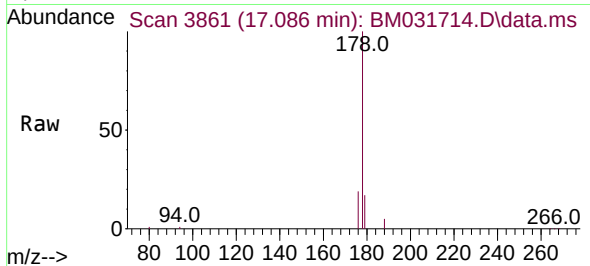
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 151118 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.5  | 13.3  | 19.9   |
| 176       | 19.2  | 16.2  | 24.4   |





#16  
 Anthracene  
 Concen: 2.209 ng/ul  
 RT: 17.086 min Scan# 3861  
 Delta R.T. -0.010 min  
 Lab File: BM031714.D  
 Acq: 13 Aug 2021 14:31

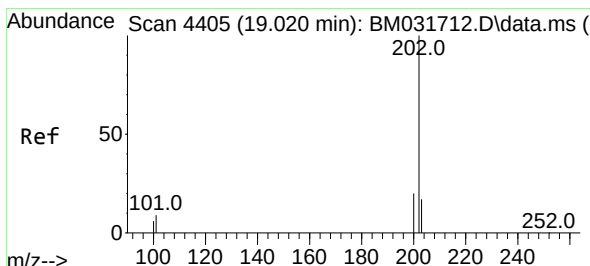
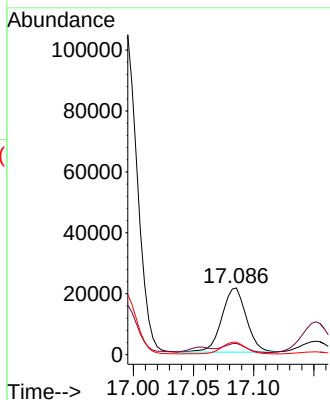
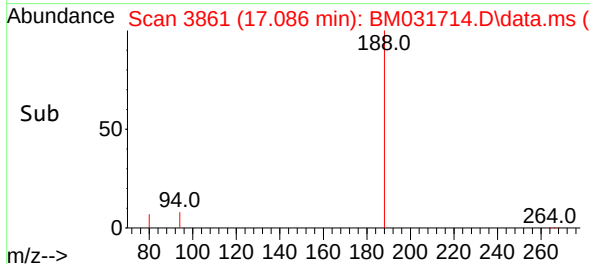
Instrument :  
 BNA\_M  
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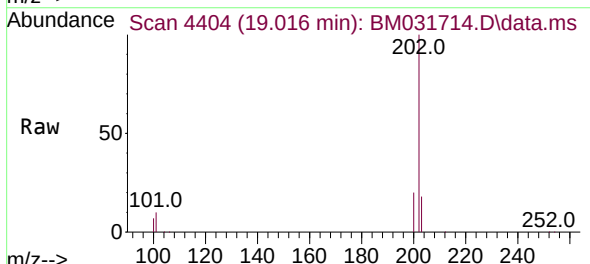
Tgt Ion:178 Resp: 29786  
 Ion Ratio Lower Upper  
 178 100  
 179 16.7 13.0 19.6  
 176 18.6 15.6 23.4

Manual Integrations  
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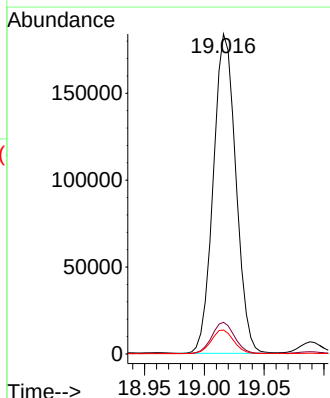
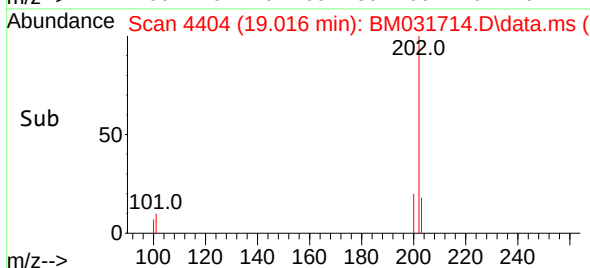
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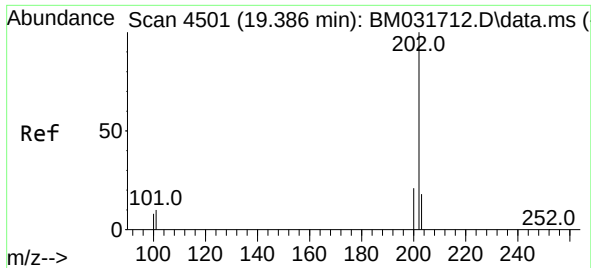


#19  
 Fluoranthene  
 Concen: 14.733 ng/ul  
 RT: 19.016 min Scan# 4404  
 Delta R.T. -0.011 min  
 Lab File: BM031714.D  
 Acq: 13 Aug 2021 14:31

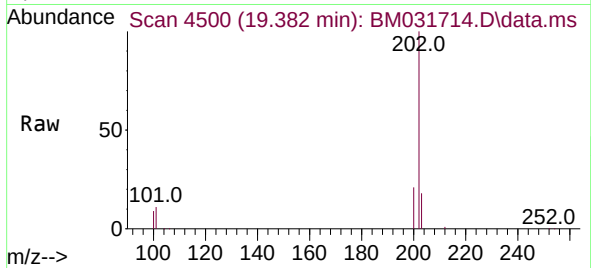


Tgt Ion:202 Resp: 241895  
 Ion Ratio Lower Upper  
 202 100  
 101 9.9 6.6 10.0  
 100 7.5 5.4 8.0

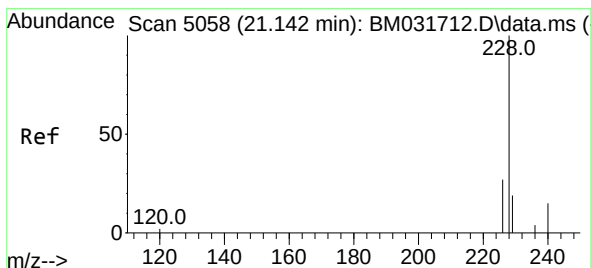
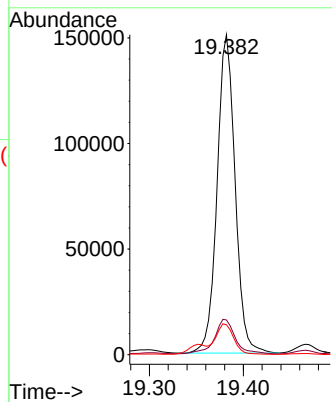
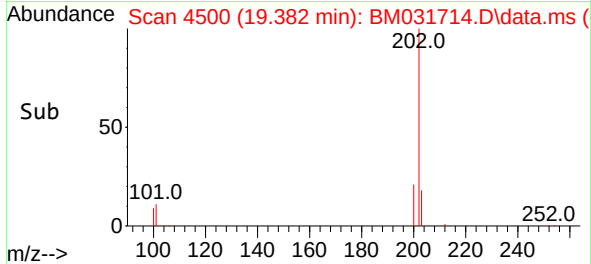




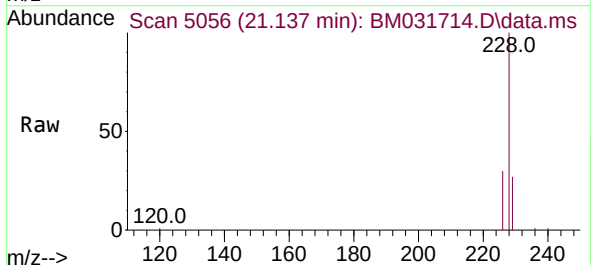
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Pyrene  
Concen: 12.064 ng/ul  
RT: 19.382 min Scan# 4500  
Delta R.T. -0.007 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



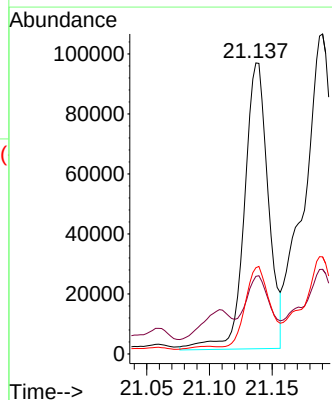
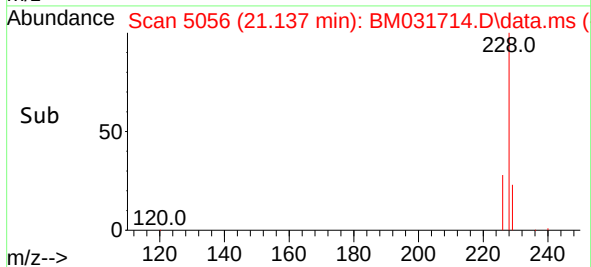
Tgt Ion:202 Resp: 200901  
Ion Ratio Lower Upper  
202 100  
101 10.9 7.8 11.6  
100 9.3 6.6 10.0



#21  
Benzo(a)anthracene  
Concen: 8.131 ng/ul  
RT: 21.137 min Scan# 5056  
Delta R.T. -0.007 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



Tgt Ion:228 Resp: 126245  
Ion Ratio Lower Upper  
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229 26.7 15.6 23.4#  
226 29.6 21.7 32.5

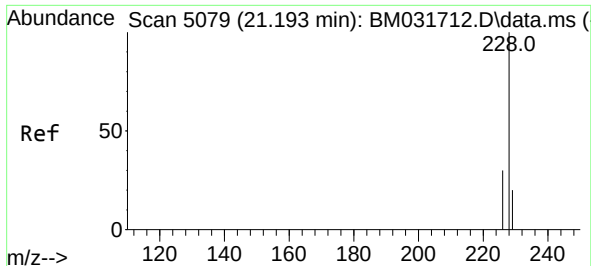


Instrument :  
BNA\_M  
ClientSampleId :  
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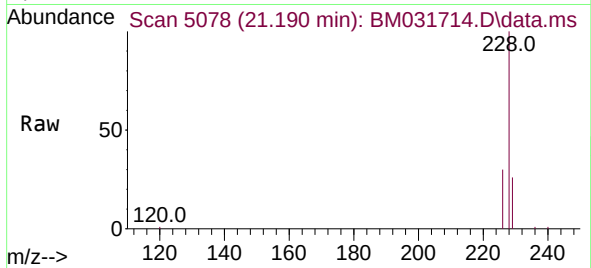
Manual Integrations  
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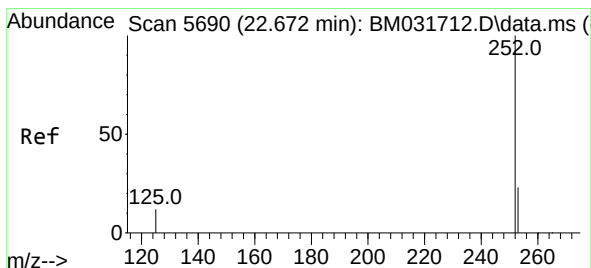
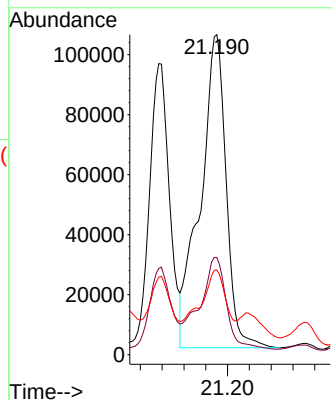
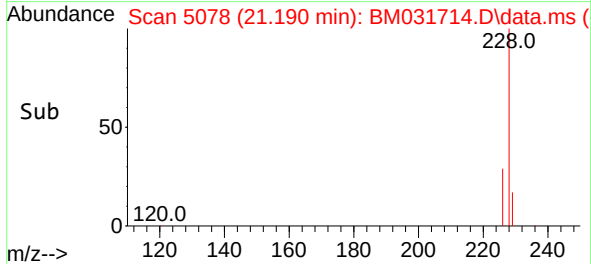




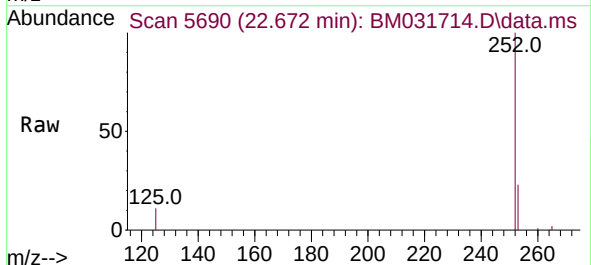
#22  
Chrysene  
Concen: 10.713 ng/ul  
RT: 21.190 min Scan# 5078  
Delta R.T. -0.005 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



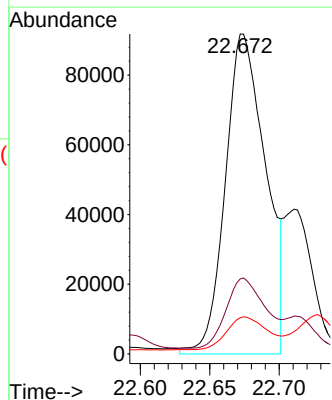
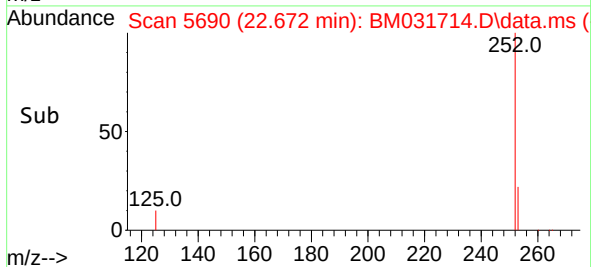
Tgt Ion:228 Resp: 172089  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.7 37.1  
229 26.5 16.2 24.2#



#24  
Benzo(b)fluoranthene  
Concen: 8.377 ng/ul m  
RT: 22.672 min Scan# 5690  
Delta R.T. -0.005 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



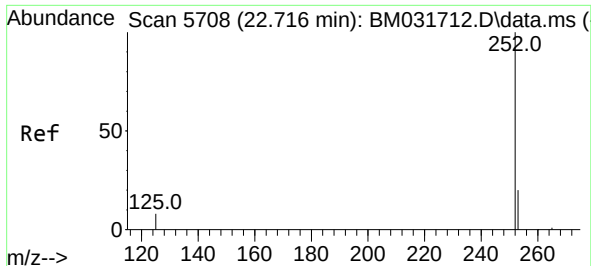
Tgt Ion:252 Resp: 185394  
Ion Ratio Lower Upper  
252 100  
253 23.4 0.0 53.0  
125 11.3 0.0 22.8



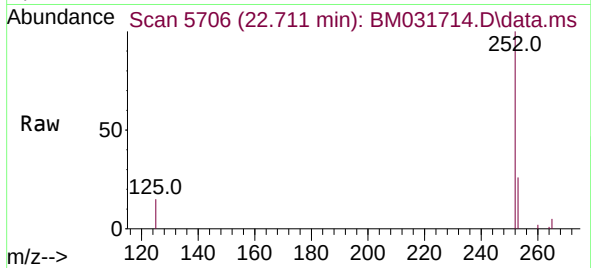
Instrument :  
BNA\_M  
ClientSampled :  
C00E8

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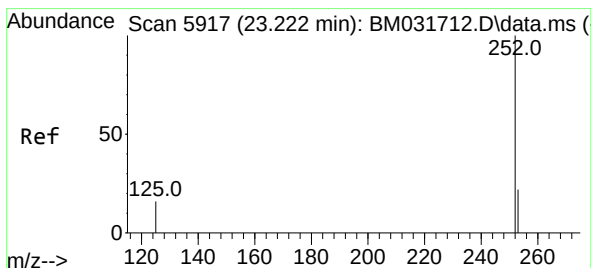
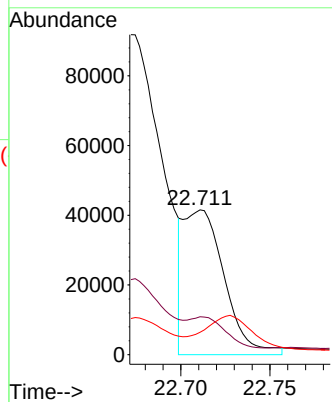
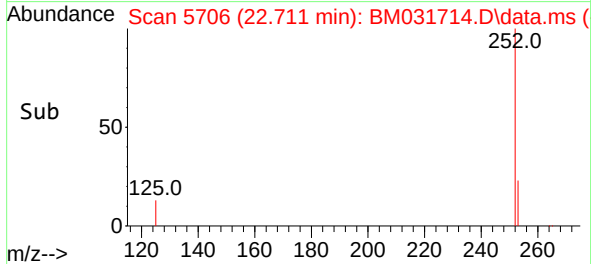
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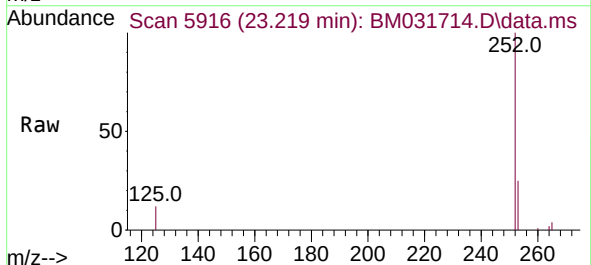
#25  
Benzo(k)fluoranthene  
Concen: 2.908 ng/ul m  
RT: 22.711 min Scan# 5706  
Delta R.T. -0.009 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



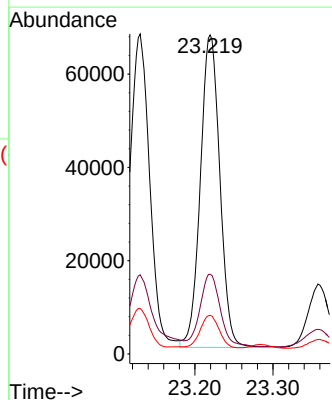
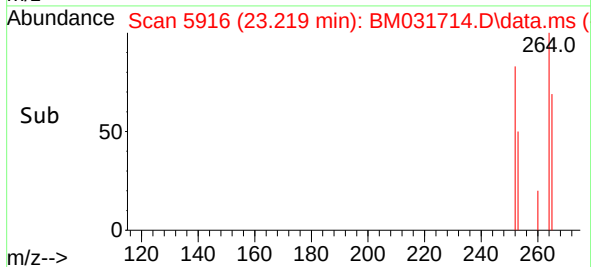
Tgt Ion:252 Resp: 66490  
Ion Ratio Lower Upper  
252 100  
253 26.2 21.3 31.9  
125 15.4 8.8 13.2#



#26  
Benzo(a)pyrene  
Concen: 5.996 ng/ul  
RT: 23.219 min Scan# 5916  
Delta R.T. -0.007 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



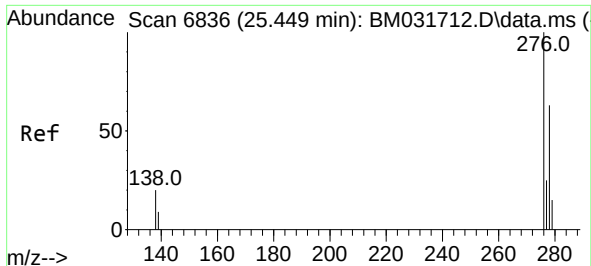
Tgt Ion:252 Resp: 116212  
Ion Ratio Lower Upper  
252 100  
253 25.0 22.4 33.6  
125 12.1 13.0 19.4#



Instrument :  
BNA\_M  
ClientSampled :  
C00E8

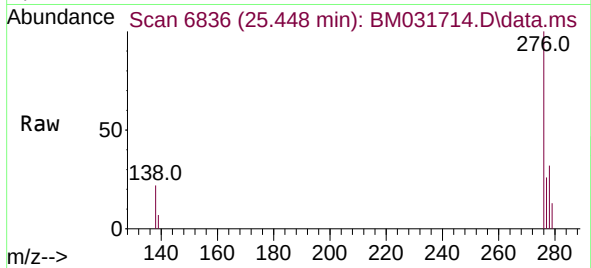
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#27  
Indeno(1,2,3-cd)pyrene  
Concen: 4.206 ng/ul  
RT: 25.448 min Scan# 6836  
Delta R.T. -0.012 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31

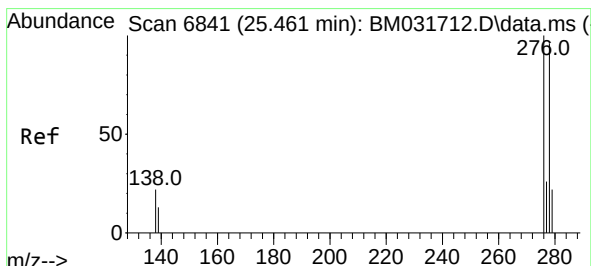
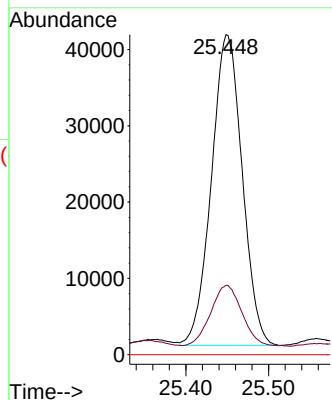
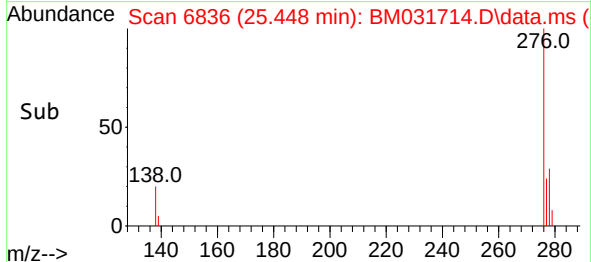
Instrument :  
BNA\_M  
ClientSampled :  
C00E8



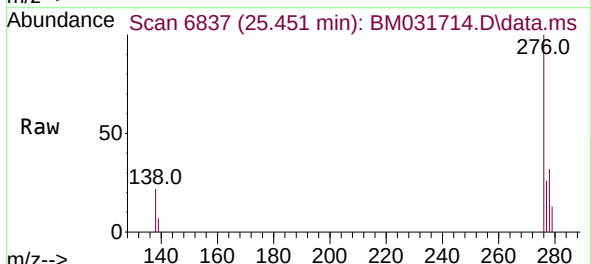
Tgt Ion:276 Resp: 105372  
Ion Ratio Lower Upper  
276 100  
138 20.9 15.8 23.8  
227 0.0 0.0 0.0

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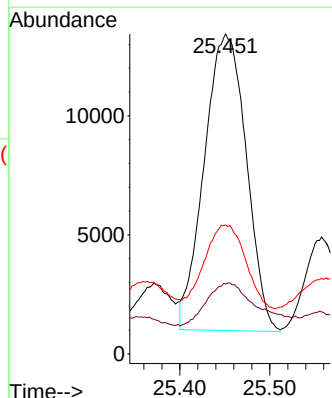
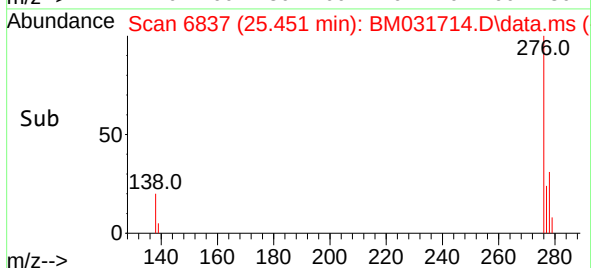
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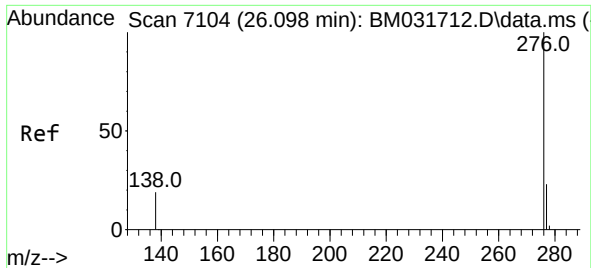


#28  
Dibenzo(a,h)anthracene  
Concen: 2.003 ng/ul  
RT: 25.451 min Scan# 6837  
Delta R.T. -0.022 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31



Tgt Ion:278 Resp: 40453  
Ion Ratio Lower Upper  
278 100  
139 21.9 13.3 19.9#  
279 40.3 22.8 34.2#





#29  
Benzo(g,h,i)perylene  
Concen: 2.216 ng/ul  
RT: 26.103 min Scan# 7106  
Delta R.T. -0.005 min  
Lab File: BM031714.D  
Acq: 13 Aug 2021 14:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.3  | 15.4  | 23.2# |
| 277     | 27.2  | 19.9  | 29.9  |

Instrument :  
BNA\_M  
ClientSampleId :  
C00E8

Manual Integrations  
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