

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
 Data File : BM027593.D  
 Acq On : 02 Oct 2020 22:24  
 Operator : JU/CG  
 Sample : L4166-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AC5

Manual Integrations  
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mohammad  
 10/5/2020 10:29:17 AM

Quant Time: Oct 03 01:38:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 02 13:04:03 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.798  | 152  | 1113     | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.579 | 136  | 3216     | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.427 | 164  | 2322     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.168 | 188  | 5673m    | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.343 | 240  | 6250     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.602 | 264  | 6753     | 0.40 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.171 | 152  | 1344     | 0.23 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.194 | 212  | 4305     | 0.28 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      |        | Qvalue   |
| 7) Acenaphthylene           | 14.146 | 152  | 348      | 0.03 | ng/ul# | 64       |
| 12) Phenanthrene            | 17.209 | 178  | 577      | 0.03 | ng/ul# | 79       |
| 13) Anthracene              | 17.303 | 178  | 753      | 0.04 | ng/ul# | 80       |
| 15) Fluoranthene            | 19.224 | 202  | 2626     | 0.12 | ng/ul  | 96       |
| 17) Pyrene                  | 19.587 | 202  | 2810m    | 0.10 | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.328 | 228  | 2417m    | 0.10 | ng/ul  |          |
| 19) Chrysene                | 21.379 | 228  | 4430     | 0.17 | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 22.926 | 252  | 7588m    | 0.28 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.965 | 252  | 2566m    | 0.09 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.505 | 252  | 4166     | 0.17 | ng/ul# | 76       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.882 | 276  | 2716     | 0.09 | ng/ul# | 93       |
| 25) Dibenzo(a,h)anthracene  | 25.887 | 278  | 804      | 0.03 | ng/ul# | 9        |
| 26) Benzo(g,h,i)perylene    | 26.580 | 276  | 2247     | 0.08 | ng/ul# | 82       |
| -----                       |        |      |          |      |        |          |

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

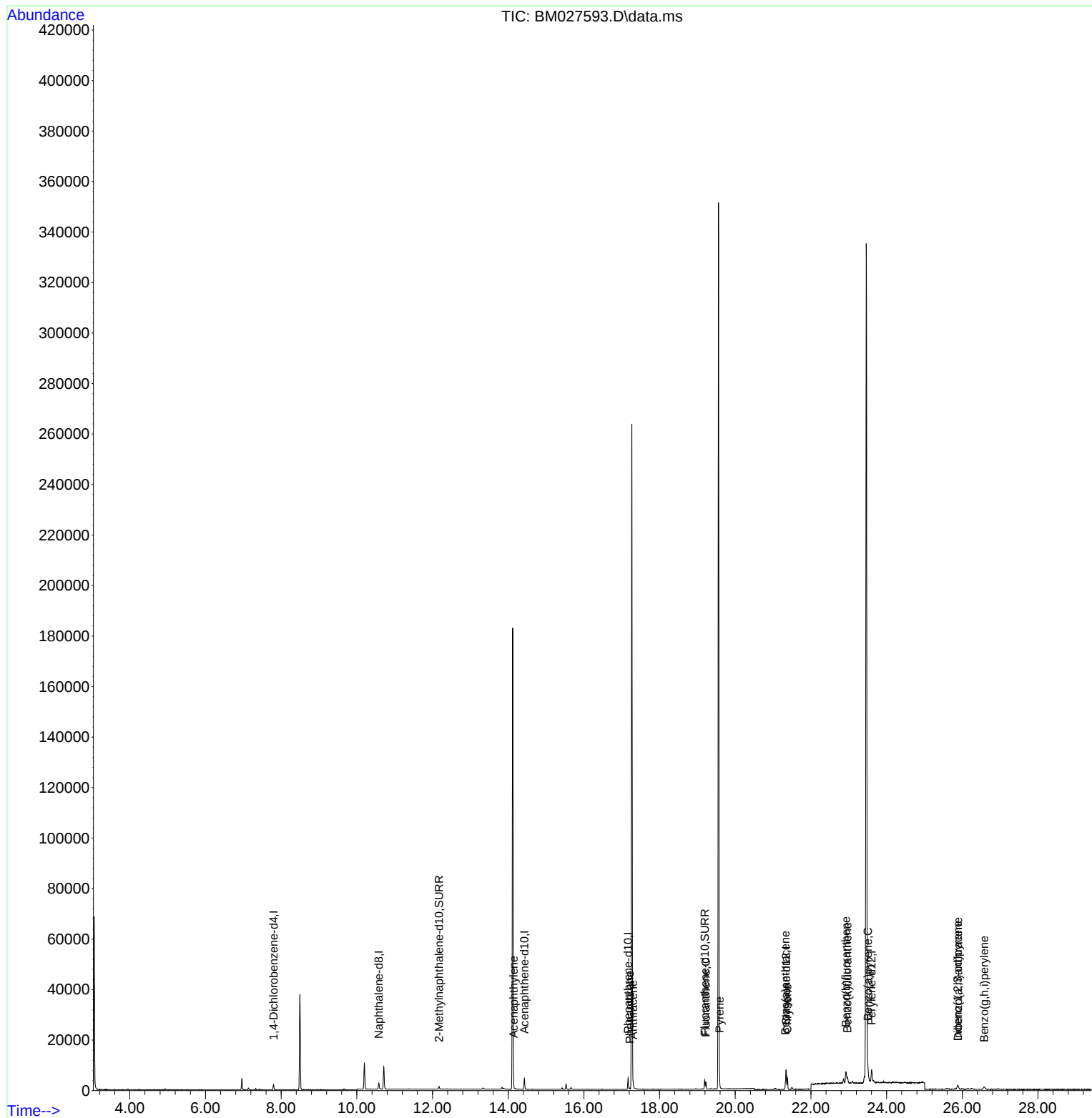
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Data File : BM027593.D  
Acq On : 02 Oct 2020 22:24  
Operator : JU/CG  
Sample : L4166-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

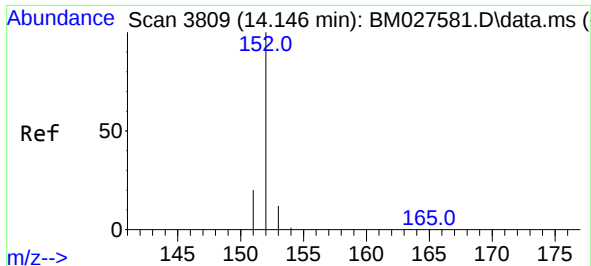
Instrument :  
BNA\_M  
ClientSampleId :  
C0AC5

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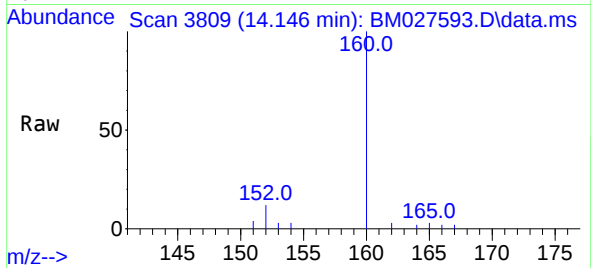
mohammad  
10/5/2020 10:29:17 AM

Quant Time: Oct 03 01:38:06 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration

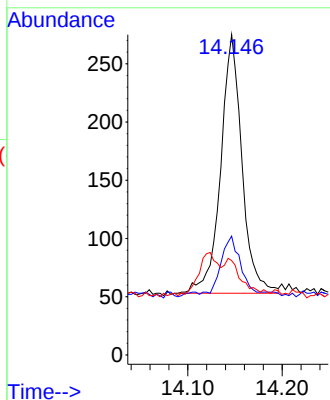




#7  
Acenaphthylene  
Concen: 0.03 ng/ul  
RT: 14.146 min Scan# 3809  
Delta R.T. -0.004 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



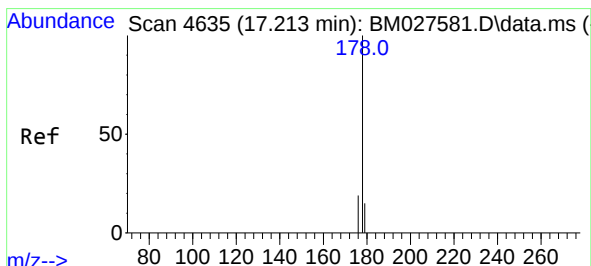
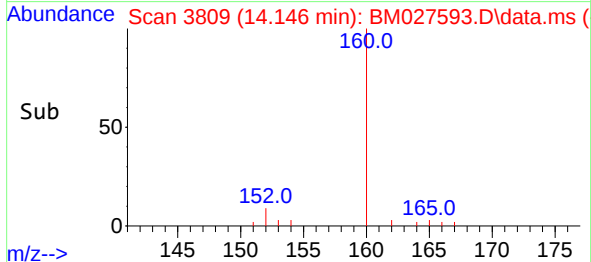
Tgt Ion:152 Resp: 348  
Ion Ratio Lower Upper  
152 100  
151 37.1 16.6 24.8#  
153 29.5 11.4 17.0#



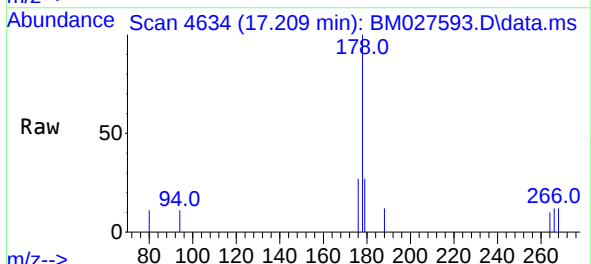
Instrument :  
BNA\_M  
ClientSampleId :  
C0AC5

Manual Integrations  
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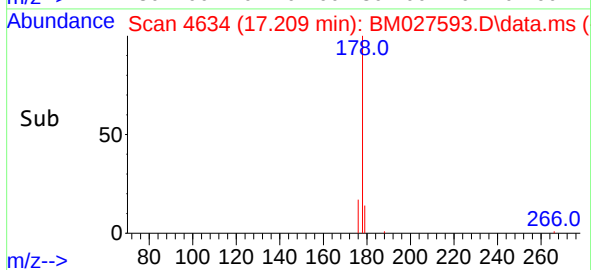
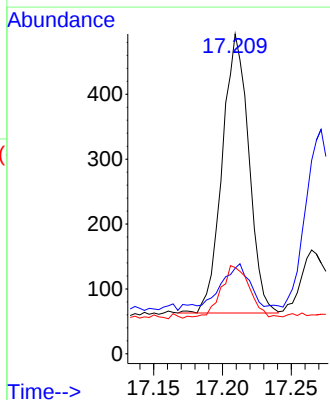
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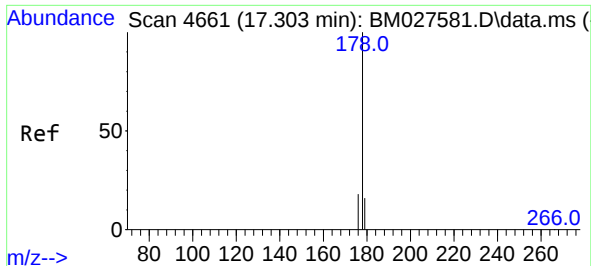


#12  
Phenanthrene  
Concen: 0.03 ng/ul  
RT: 17.209 min Scan# 4634  
Delta R.T. -0.003 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



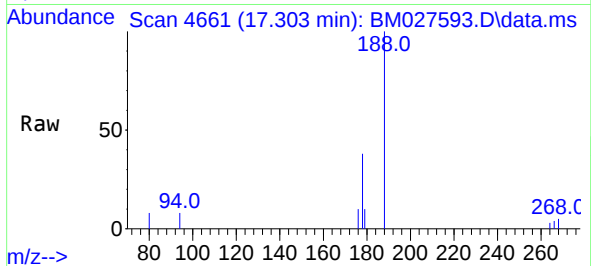
Tgt Ion:178 Resp: 577  
Ion Ratio Lower Upper  
178 100  
179 26.8 12.9 19.3#  
176 27.0 15.3 22.9#





#13  
 Anthracene  
 Concen: 0.04 ng/ul  
 RT: 17.303 min Scan# 4661  
 Delta R.T. 0.000 min  
 Lab File: BM027593.D  
 Acq: 02 Oct 2020 22:24

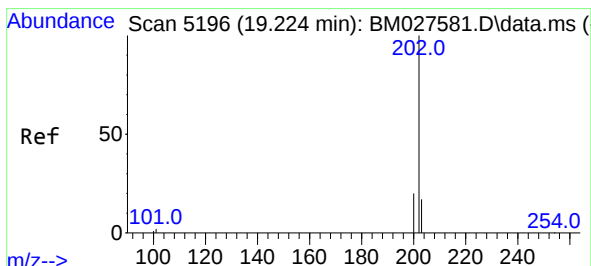
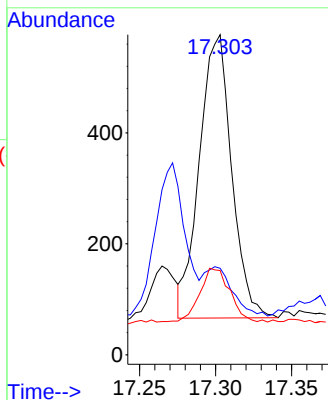
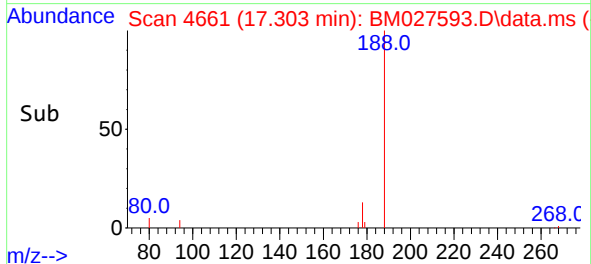
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 ClientSampled :  
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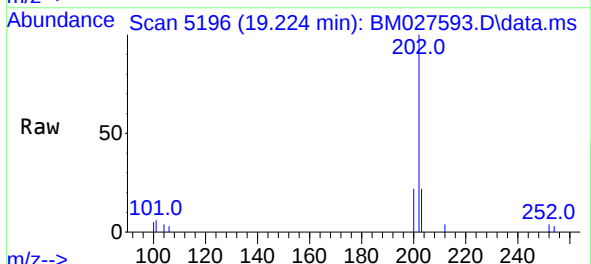
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 Ion Ratio Lower Upper  
 178 100  
 179 27.0 13.0 19.4#  
 176 26.3 15.2 22.8#

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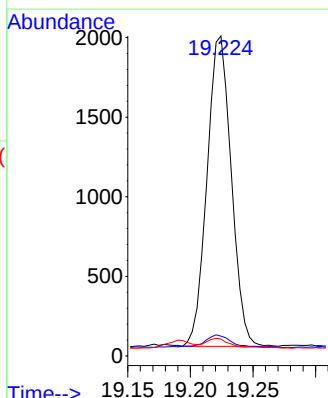
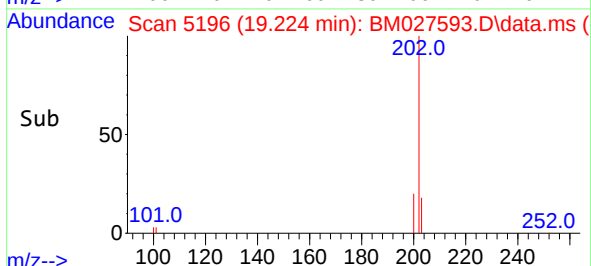
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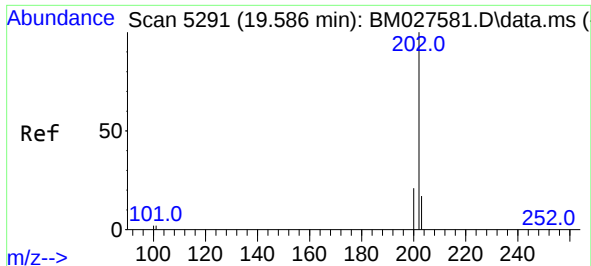


#15  
 Fluoranthene  
 Concen: 0.12 ng/ul  
 RT: 19.224 min Scan# 5196  
 Delta R.T. -0.004 min  
 Lab File: BM027593.D  
 Acq: 02 Oct 2020 22:24

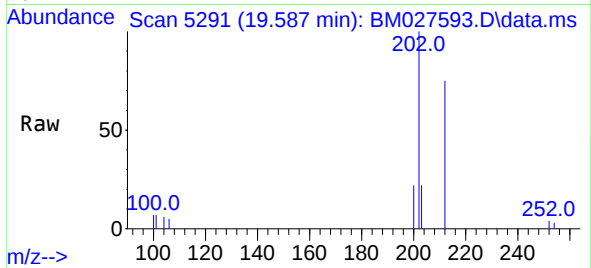


Tgt Ion:202 Resp: 2626  
 Ion Ratio Lower Upper  
 202 100  
 101 6.2 0.0 24.9  
 100 5.3 0.0 24.1

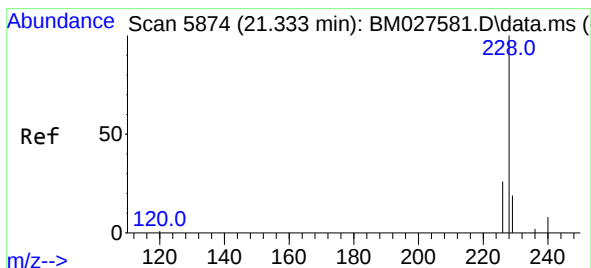
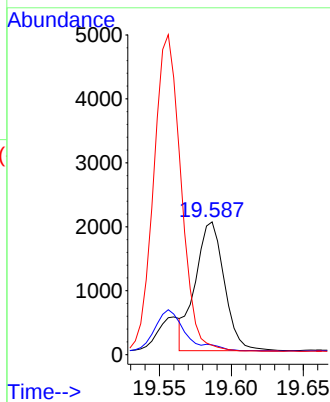
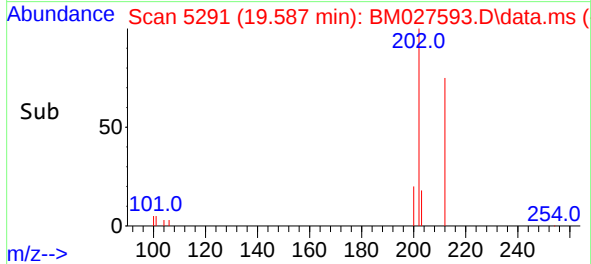




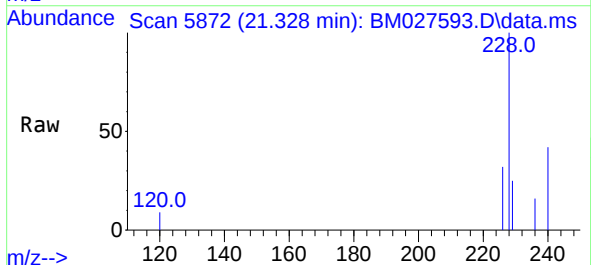
#17  
Pyrene  
Concen: 0.10 ng/ul m  
RT: 19.587 min Scan# 5291  
Delta R.T. -0.004 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



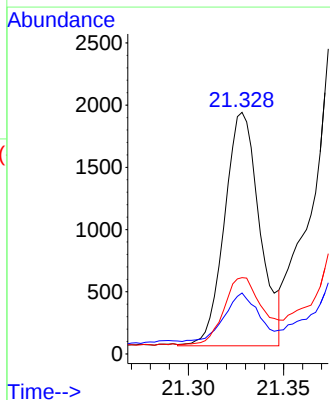
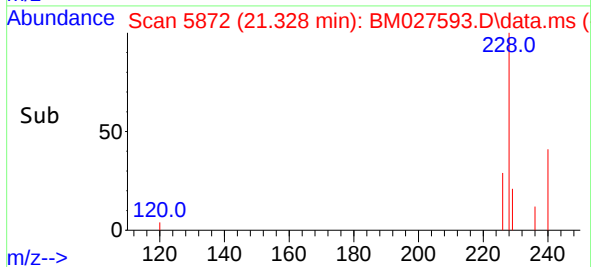
Tgt Ion:202 Resp: 2810  
Ion Ratio Lower Upper  
202 100  
101 7.3 4.7 7.1#  
100 7.1 3.9 5.9#



#18  
Benzo(a)anthracene  
Concen: 0.10 ng/ul m  
RT: 21.328 min Scan# 5872  
Delta R.T. -0.007 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



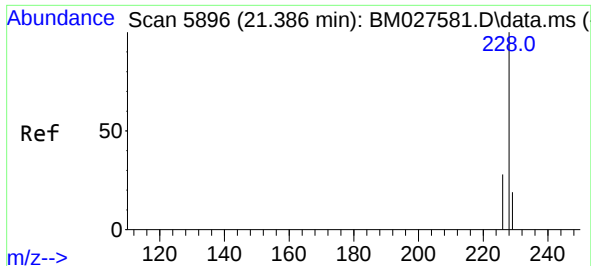
Tgt Ion:228 Resp: 2417  
Ion Ratio Lower Upper  
228 100  
229 25.2 15.6 23.4#  
226 31.6 21.8 32.8



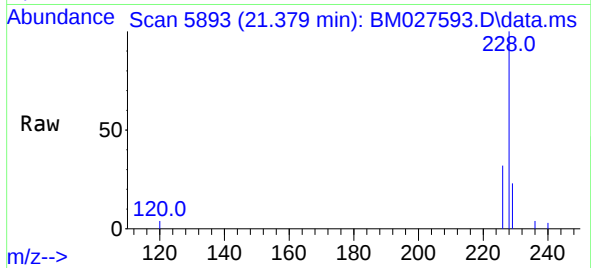
Instrument :  
BNA\_M  
ClientSampled :  
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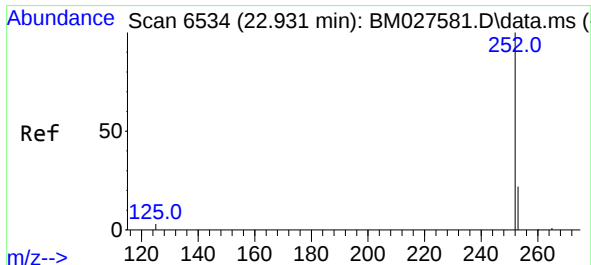
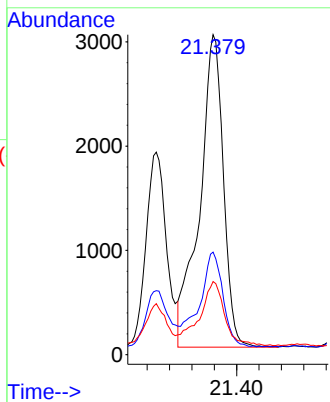
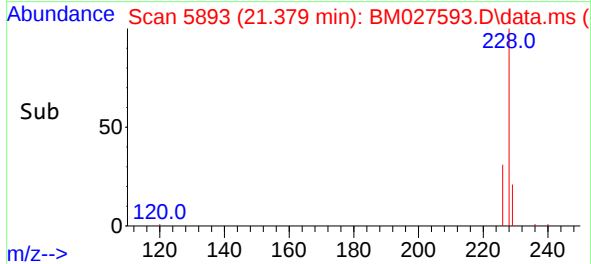
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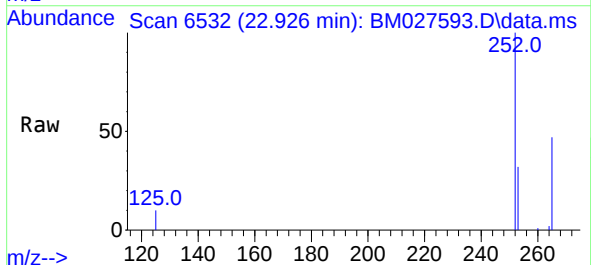
#19  
Chrysene  
Concen: 0.17 ng/ul  
RT: 21.379 min Scan# 5893  
Delta R.T. -0.007 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



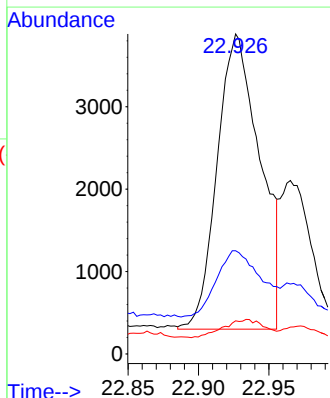
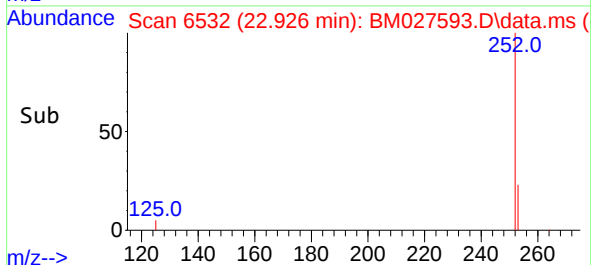
Tgt Ion:228 Resp: 4430  
Ion Ratio Lower Upper  
228 100  
226 32.0 24.2 36.4  
229 22.8 15.8 23.8



#21  
Benzo(b)fluoranthene  
Concen: 0.28 ng/ul m  
RT: 22.926 min Scan# 6532  
Delta R.T. -0.007 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



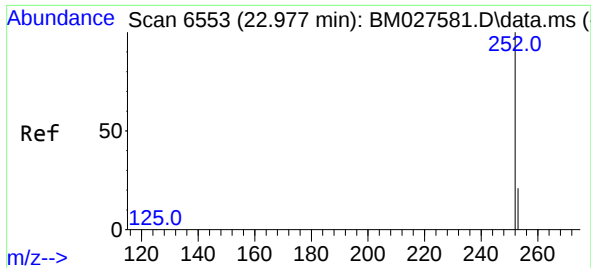
Tgt Ion:252 Resp: 7588  
Ion Ratio Lower Upper  
252 100  
253 32.3 0.0 48.2  
125 10.4 0.0 10.6



Instrument :  
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ClientSampled :  
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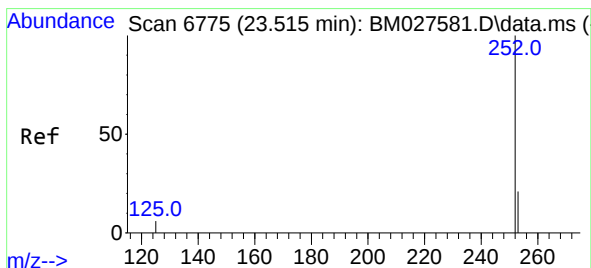
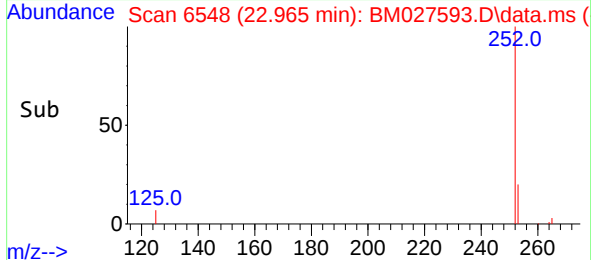
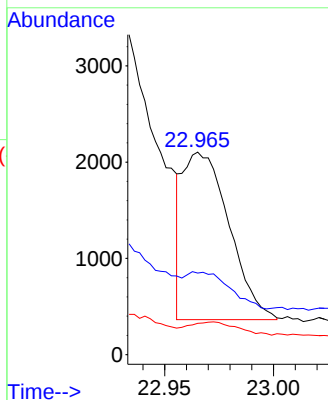
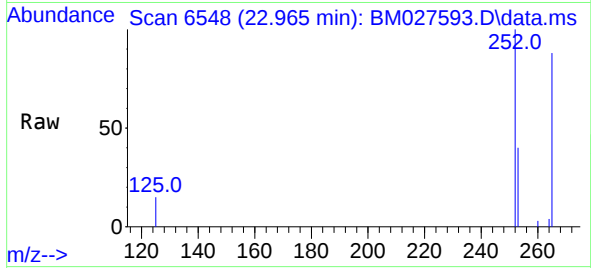
#22  
Benzo(k)fluoranthene  
Concen: 0.09 ng/ul m  
RT: 22.965 min Scan# 6548  
Delta R.T. -0.014 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24

Tgt Ion:252 Resp: 2566  
Ion Ratio Lower Upper  
252 100  
253 40.3 19.1 28.7#  
125 15.5 5.0 7.4#

Instrument :  
BNA\_M  
ClientSampled :  
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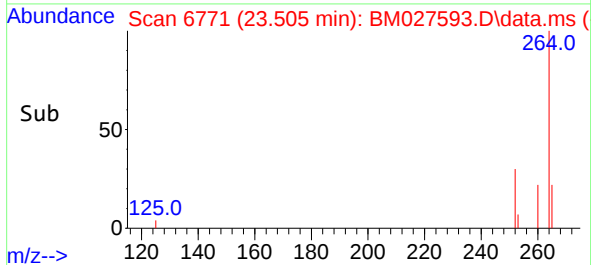
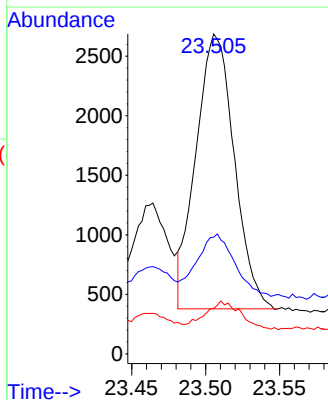
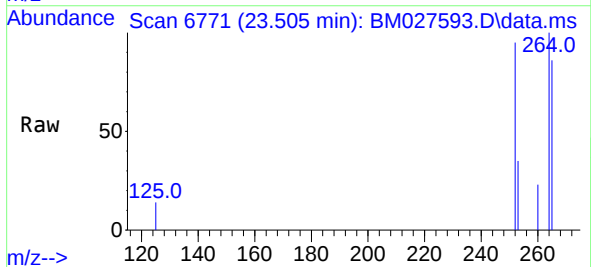
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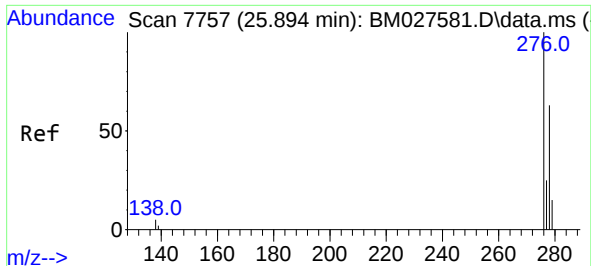
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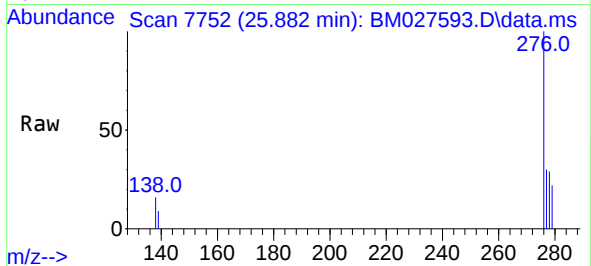
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Benzo(a)pyrene  
Concen: 0.17 ng/ul  
RT: 23.505 min Scan# 6771  
Delta R.T. -0.010 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24

Tgt Ion:252 Resp: 4166  
Ion Ratio Lower Upper  
252 100  
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125 14.3 5.0 7.6#

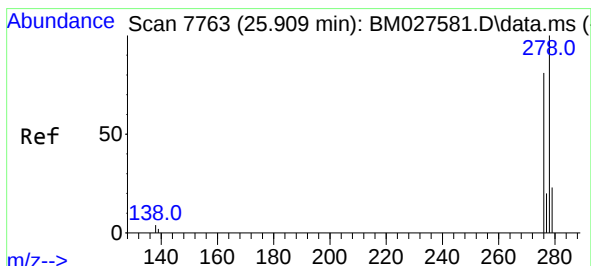
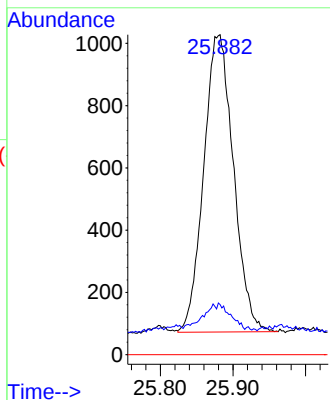
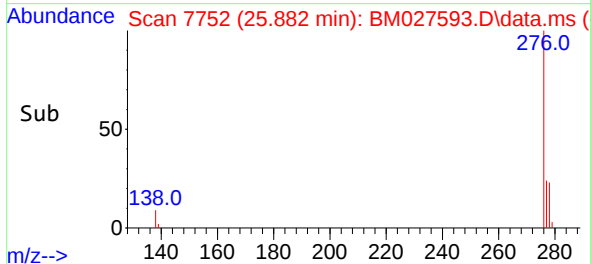




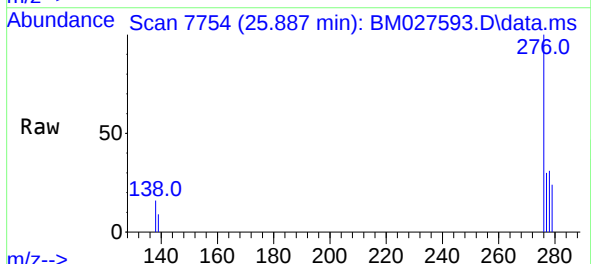
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.09 ng/ul  
RT: 25.882 min Scan# 7752  
Delta R.T. -0.012 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



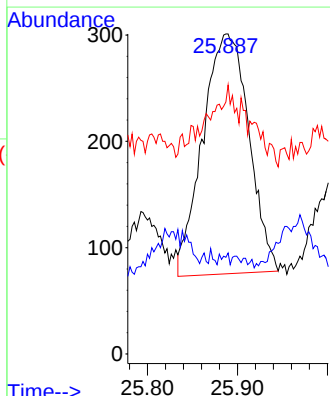
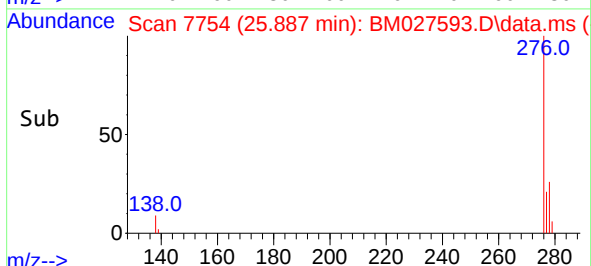
Tgt Ion: 276 Resp: 2716  
Ion Ratio Lower Upper  
276 100  
138 8.2 8.6 12.8#  
227 0.0 0.0 0.0



#25  
Dibenzo(a,h)anthracene  
Concen: 0.03 ng/ul  
RT: 25.887 min Scan# 7754  
Delta R.T. -0.024 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24



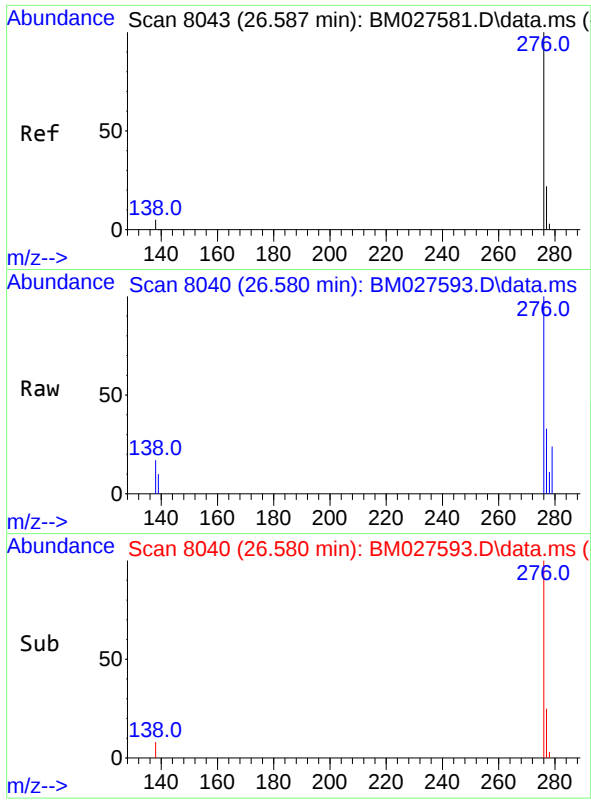
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Ion Ratio Lower Upper  
278 100  
139 30.2 7.6 11.4#  
279 78.7 20.7 31.1#



Instrument :  
BNA\_M  
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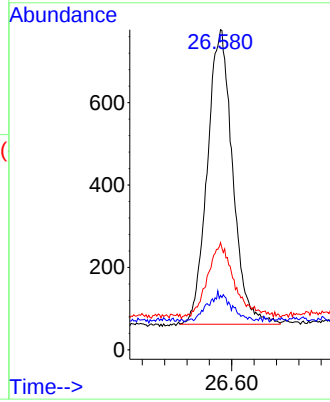
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#26  
Benzo(g,h,i)perylene  
Concen: 0.08 ng/ul  
RT: 26.580 min Scan# 8040  
Delta R.T. -0.014 min  
Lab File: BM027593.D  
Acq: 02 Oct 2020 22:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.0  | 9.0   | 13.4# |
| 277     | 33.5  | 19.4  | 29.0# |



Instrument :  
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ClientSampleId :  
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