

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101022\  
 Data File : BM036976.D  
 Acq On : 12 Oct 2022 10:23  
 Operator : CG/JU  
 Sample : N5024-01DL 5X  
 Misc :  
 ALS Vial : 80 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 12 23:08:47 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 11 09:03:52 2022  
 Response via : Initial Calibration

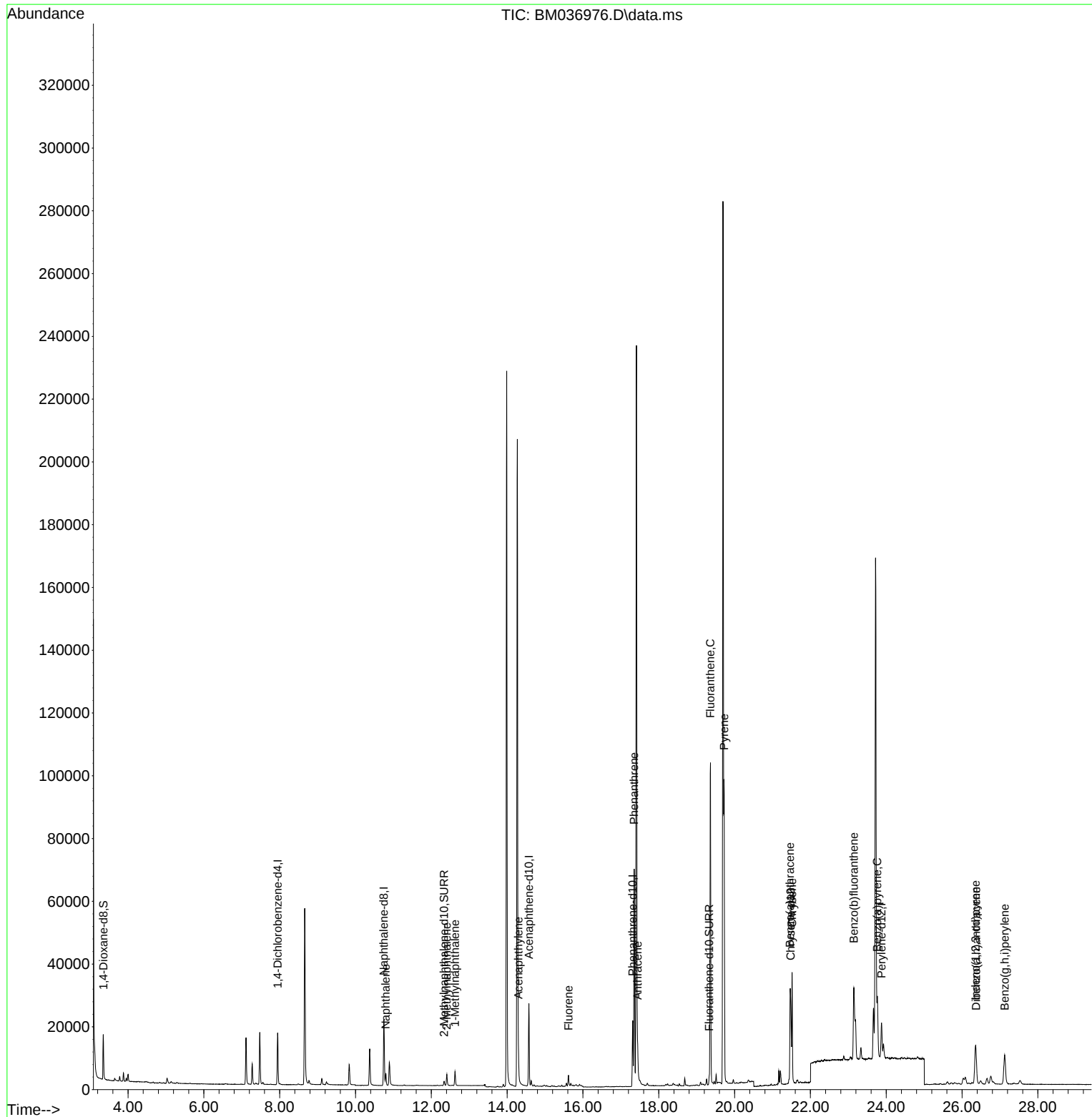
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.947  | 152  | 8179     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.748 | 136  | 28391    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.575 | 164  | 14138    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.313 | 188  | 24463    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.482 | 240  | 16662    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.876 | 264  | 15268    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.348  | 96   | 9097     | 0.789 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.338 | 152  | 2010     | 0.047 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.331 | 212  | 2989     | 0.060 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.798 | 128  | 5055     | 0.062 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.409 | 142  | 2797     | 0.056 | ng/ul  | 92       |
| 8) 1-Methylnaphthalene      | 12.624 | 142  | 3271     | 0.065 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.297 | 152  | 10603    | 0.180 | ng/ul  | 98       |
| 12) Fluorene                | 15.620 | 166  | 2323     | 0.040 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.351 | 178  | 74879    | 0.959 | ng/ul  | 99       |
| 16) Anthracene              | 17.444 | 178  | 8270     | 0.127 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.363 | 202  | 88461    | 1.335 | ng/ul  | 97       |
| 20) Pyrene                  | 19.726 | 202  | 75757    | 1.096 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 21.465 | 228  | 23576    | 0.392 | ng/ul  | 98       |
| 22) Chrysene                | 21.517 | 228  | 33880    | 0.524 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.145 | 252  | 42690    | 0.626 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.765 | 252  | 25467    | 0.460 | ng/ul  | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.360 | 276  | 21983    | 0.280 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.373 | 278  | 5121     | 0.081 | ng/ul# | 73       |
| 29) Benzo(g,h,i)perylene    | 27.124 | 276  | 20837    | 0.302 | ng/ul  | 100      |
| -----                       |        |      |          |       |        |          |

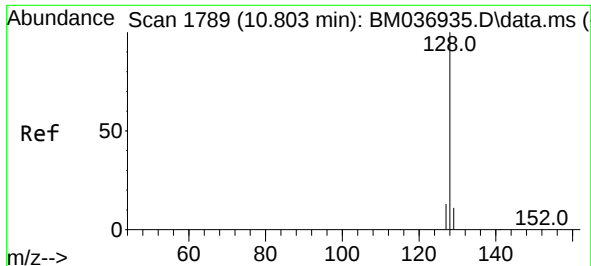
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101022\  
Data File : BM036976.D  
Acq On : 12 Oct 2022 10:23  
Operator : CG/JU  
Sample : N5024-01DL 5X  
Misc :  
ALS Vial : 80 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

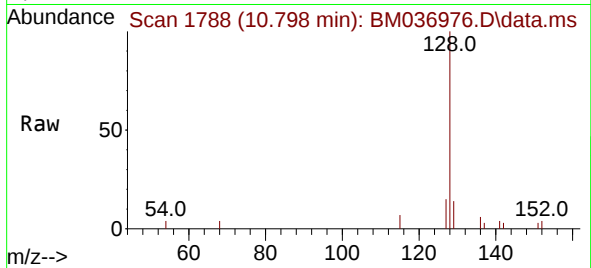
Quant Time: Oct 12 23:08:47 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 11 09:03:52 2022  
Response via : Initial Calibration



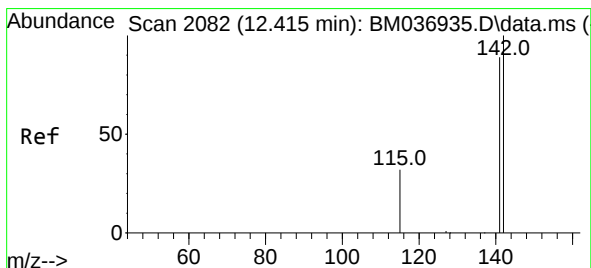
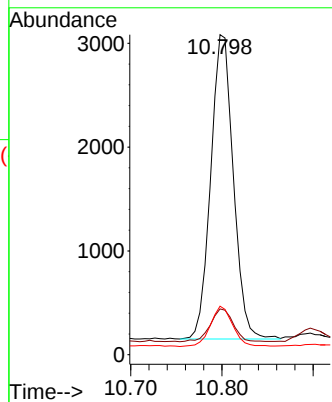
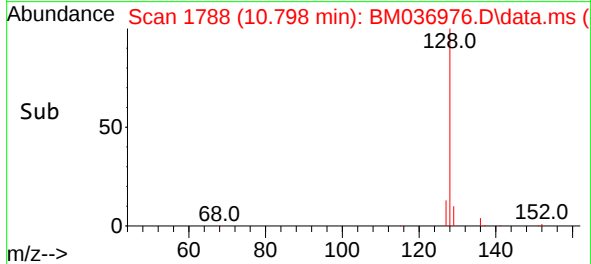


#5  
Naphthalene  
Concen: 0.062 ng/ul  
RT: 10.798 min Scan# 1788  
Delta R.T. -0.006 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Instrument :  
BNA\_M  
ClientSampleId :

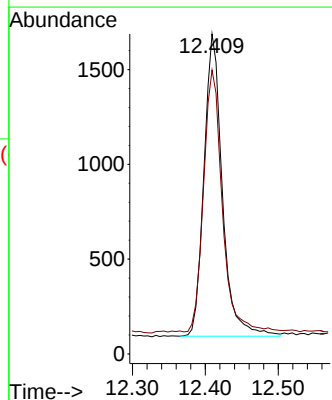
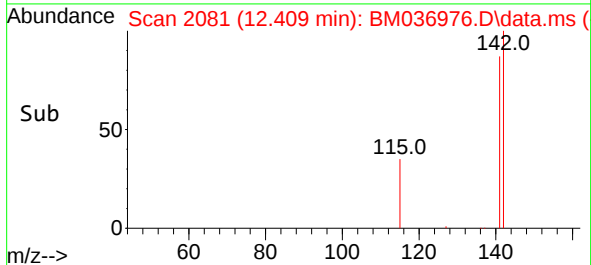
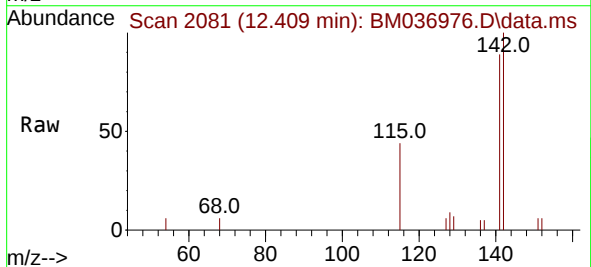


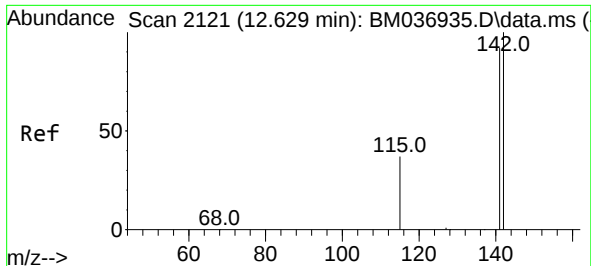
Tgt Ion:128 Resp: 5055  
Ion Ratio Lower Upper  
128 100  
129 14.3 10.2 15.2  
127 15.2 11.7 17.5



#7  
2-Methylnaphthalene  
Concen: 0.056 ng/ul  
RT: 12.409 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

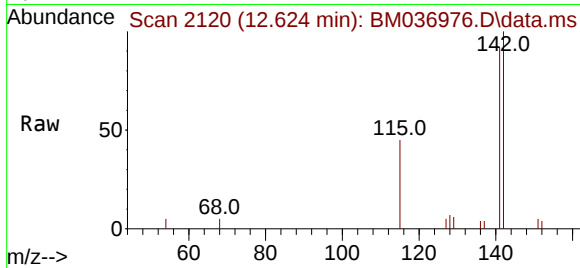
Tgt Ion:142 Resp: 2797  
Ion Ratio Lower Upper  
142 100  
141 88.4 77.4 116.0



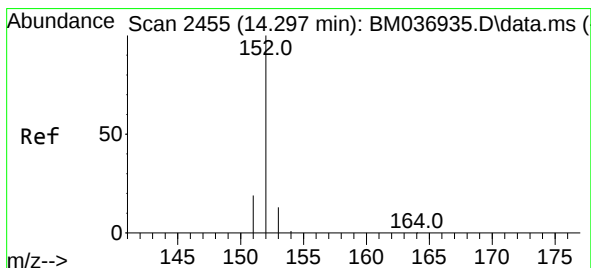
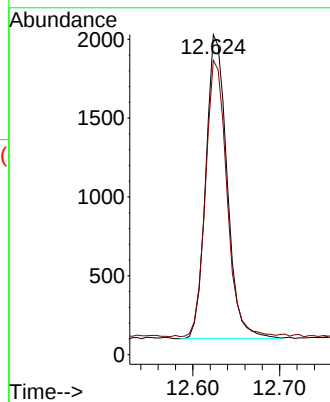
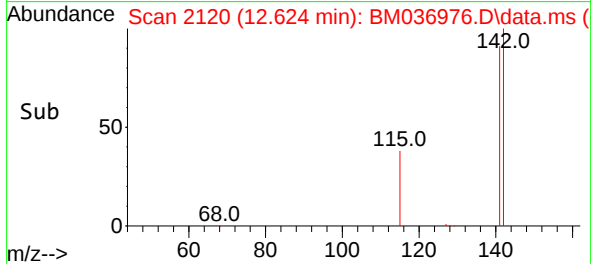


#8  
1-Methylnaphthalene  
Concen: 0.065 ng/ul  
RT: 12.624 min Scan# 2121  
Delta R.T. -0.006 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Instrument :  
BNA\_M  
ClientSampleId :

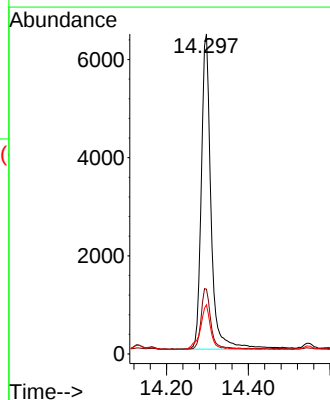
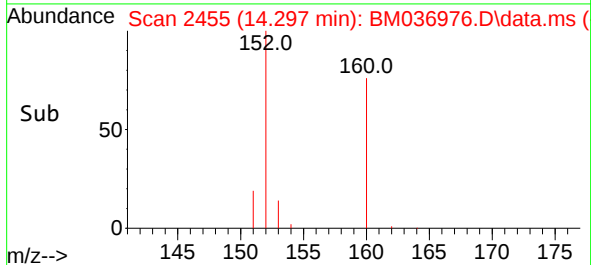
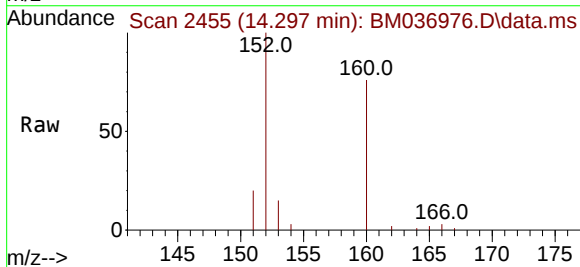


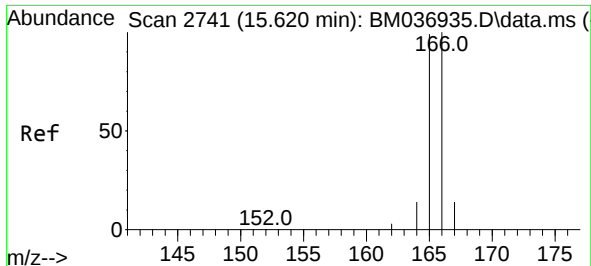
Tgt Ion:142 Resp: 3271  
Ion Ratio Lower Upper  
142 100  
141 91.6 74.1 111.1



#10  
Acenaphthylene  
Concen: 0.180 ng/ul  
RT: 14.297 min Scan# 2455  
Delta R.T. -0.000 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

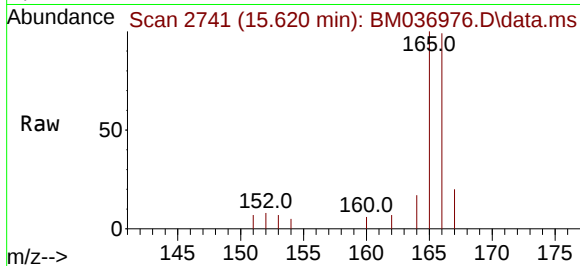
Tgt Ion:152 Resp: 10603  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.6 24.8  
153 15.3 11.4 17.0



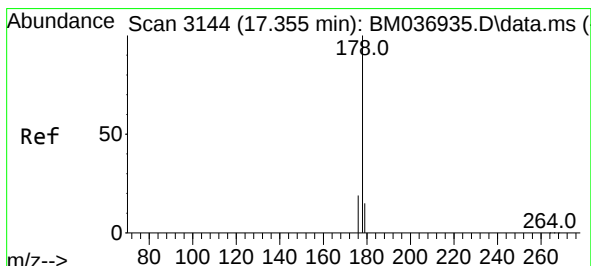
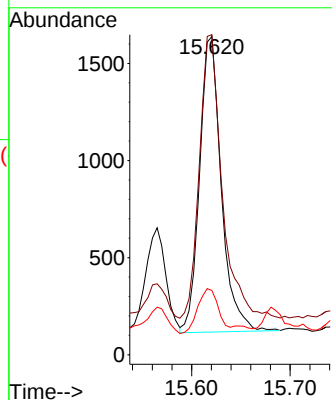
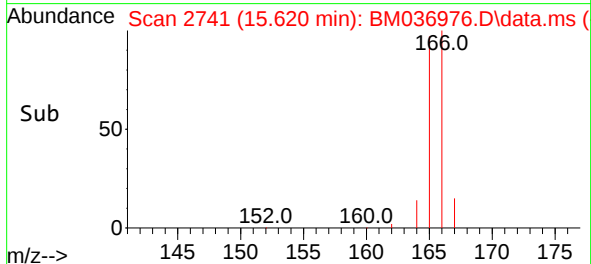


#12  
Fluorene  
Concen: 0.040 ng/ul  
RT: 15.620 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Instrument :  
BNA\_M  
ClientSampleId :

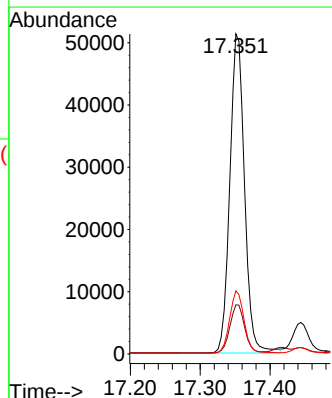
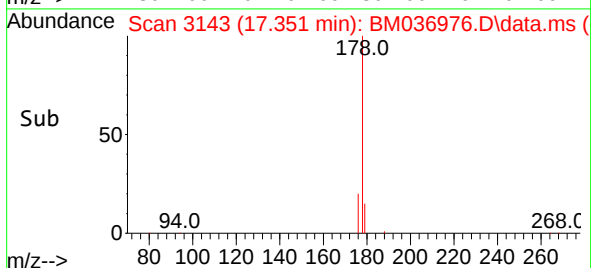
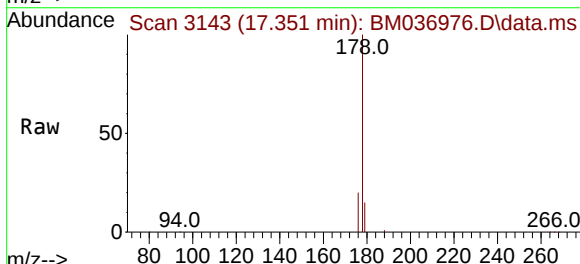


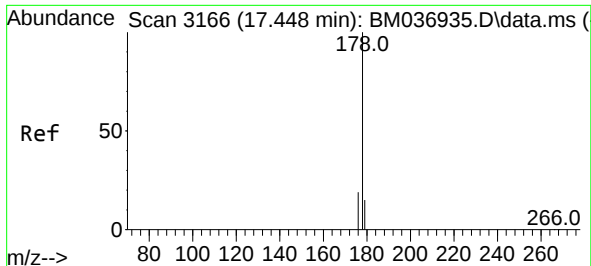
Tgt Ion:166 Resp: 2323  
Ion Ratio Lower Upper  
166 100  
165 100.5 78.9 118.3  
167 20.2 11.3 16.9#



#15  
Phenanthrene  
Concen: 0.959 ng/ul  
RT: 17.351 min Scan# 3143  
Delta R.T. -0.004 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

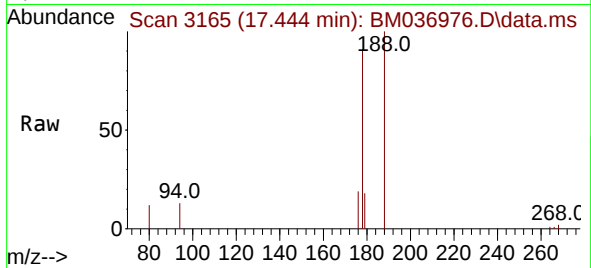
Tgt Ion:178 Resp: 74879  
Ion Ratio Lower Upper  
178 100  
179 15.3 13.0 19.6  
176 19.7 15.6 23.4



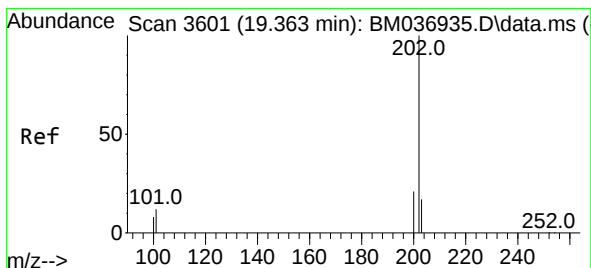
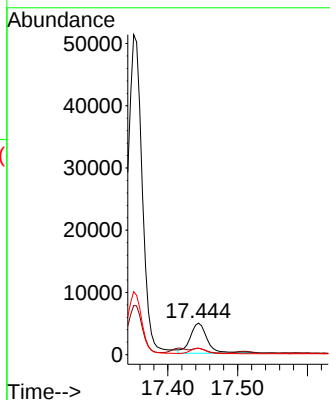
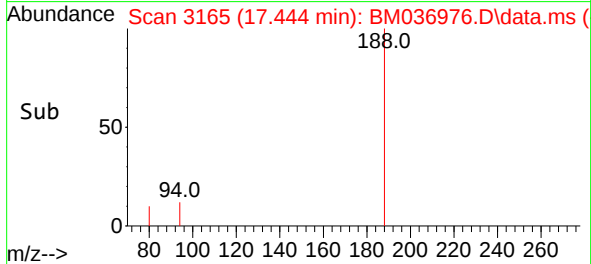


#16  
 Anthracene  
 Concen: 0.127 ng/ul  
 RT: 17.444 min Scan# 3165  
 Delta R.T. -0.004 min  
 Lab File: BM036976.D  
 Acq: 12 Oct 2022 10:23

Instrument :  
 BNA\_M  
 ClientSampleId :

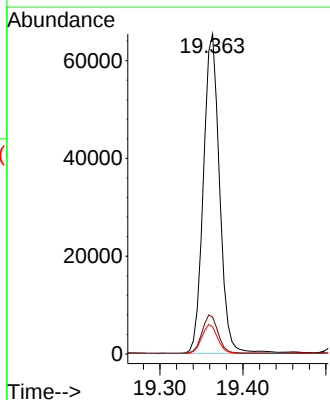
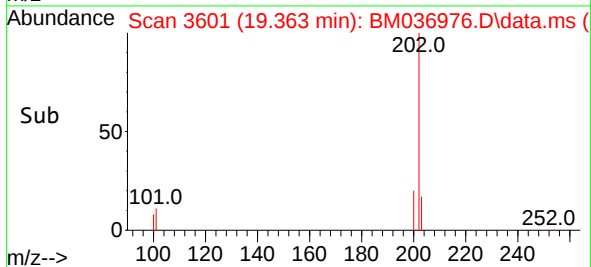
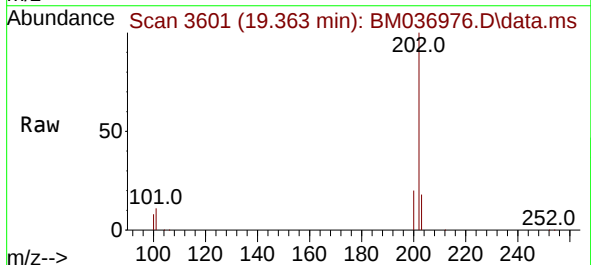


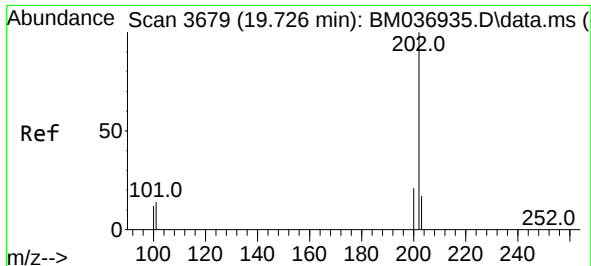
Tgt Ion:178 Resp: 8270  
 Ion Ratio Lower Upper  
 178 100  
 179 20.2 13.6 20.4  
 176 20.9 15.6 23.4



#19  
 Fluoranthene  
 Concen: 1.335 ng/ul  
 RT: 19.363 min Scan# 3601  
 Delta R.T. -0.000 min  
 Lab File: BM036976.D  
 Acq: 12 Oct 2022 10:23

Tgt Ion:202 Resp: 88461  
 Ion Ratio Lower Upper  
 202 100  
 101 11.5 10.1 15.1  
 100 8.4 7.9 11.9

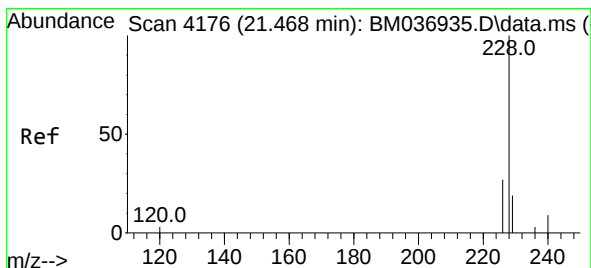
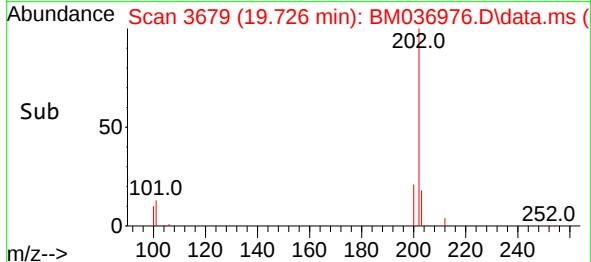
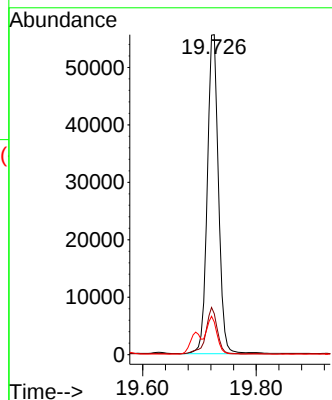
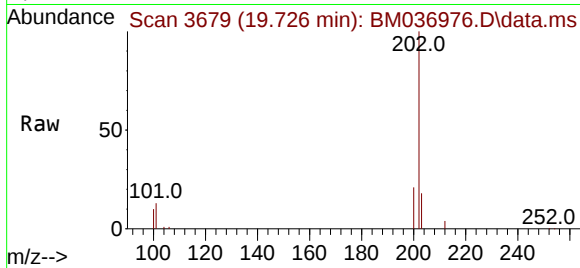




#20  
Pyrene  
Concen: 1.096 ng/ul  
RT: 19.726 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

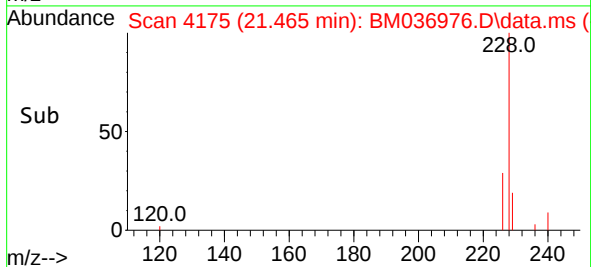
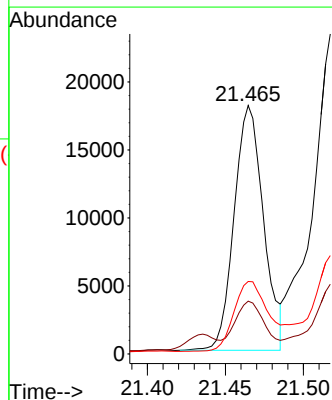
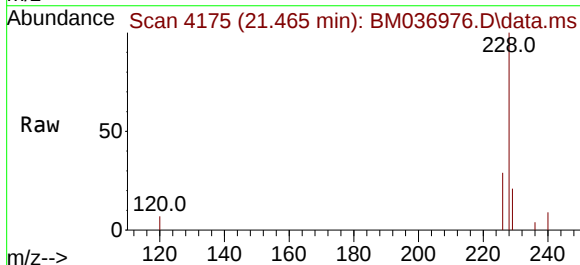
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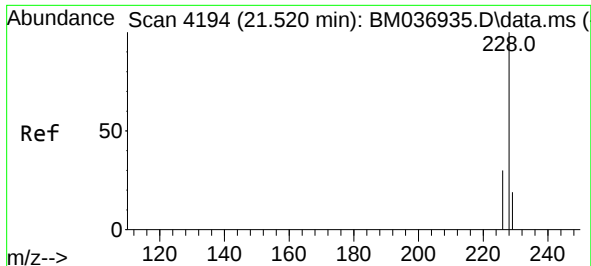
Tgt Ion:202 Resp: 75757  
Ion Ratio Lower Upper  
202 100  
101 12.8 12.0 18.0  
100 10.2 9.8 14.6



#21  
Benzo(a)anthracene  
Concen: 0.392 ng/ul  
RT: 21.465 min Scan# 4175  
Delta R.T. -0.003 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

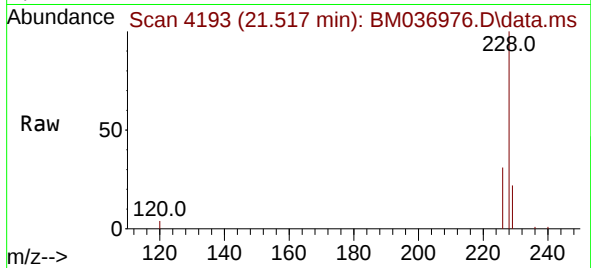
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Ion Ratio Lower Upper  
228 100  
229 21.2 16.2 24.2  
226 29.2 22.5 33.7



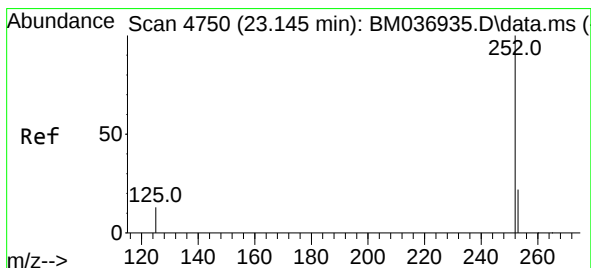
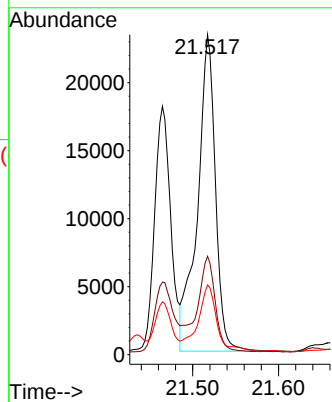
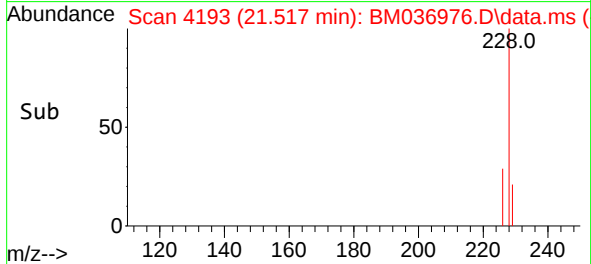


#22  
Chrysene  
Concen: 0.524 ng/ul  
RT: 21.517 min Scan# 4193  
Delta R.T. -0.003 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Instrument :  
BNA\_M  
ClientSampleId :

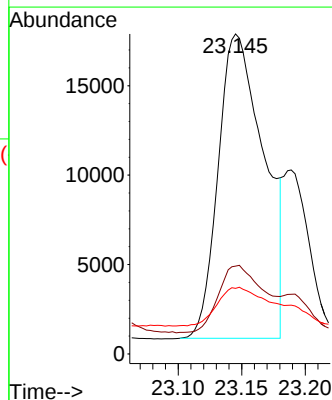
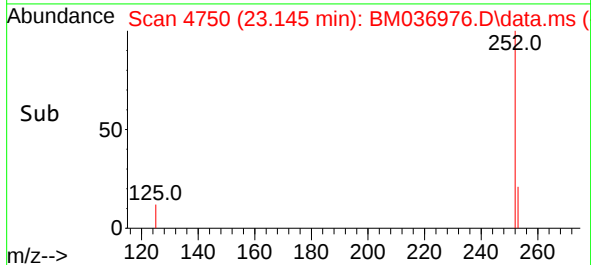
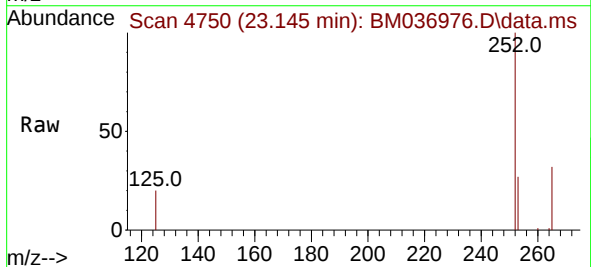


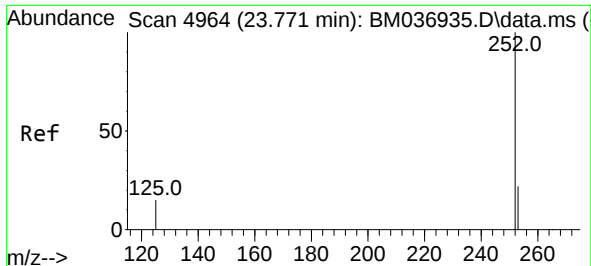
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Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 21.8 16.4 24.6



#24  
Benzo(b)fluoranthene  
Concen: 0.626 ng/ul  
RT: 23.145 min Scan# 4750  
Delta R.T. -0.000 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

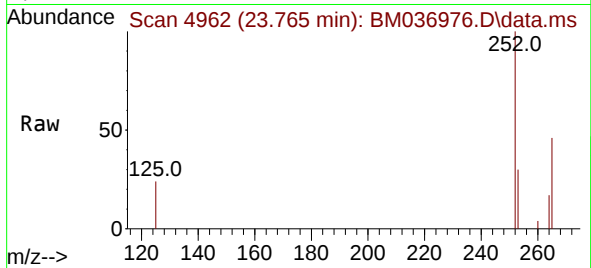
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Ion Ratio Lower Upper  
252 100  
253 27.4 0.0 61.4  
125 20.5 0.0 42.6



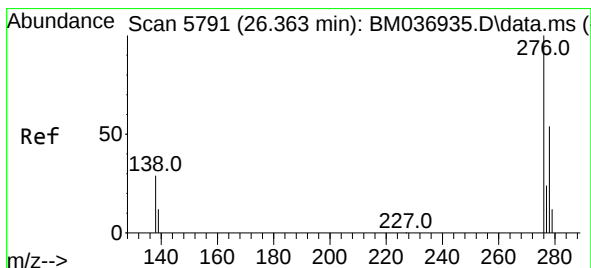
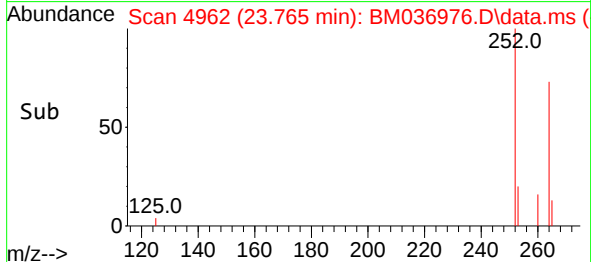
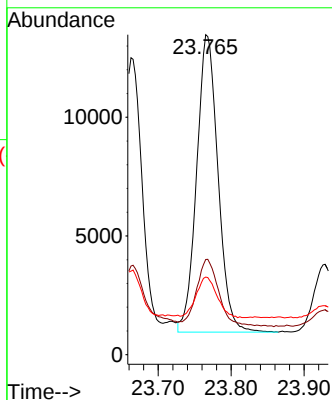


#26  
Benzo(a)pyrene  
Concen: 0.460 ng/ul  
RT: 23.765 min Scan# 4964  
Delta R.T. -0.006 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Instrument :  
BNA\_M  
ClientSampleId :

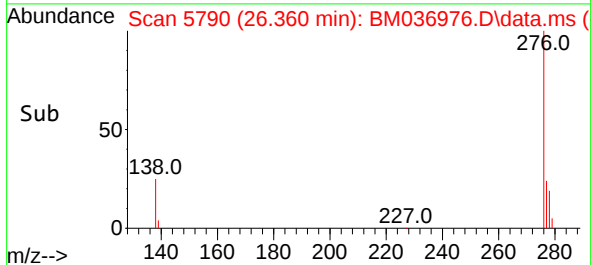
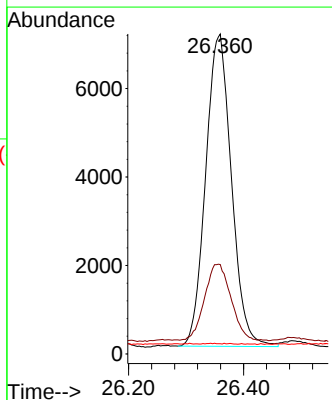
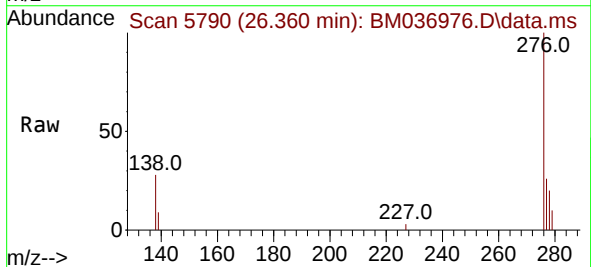


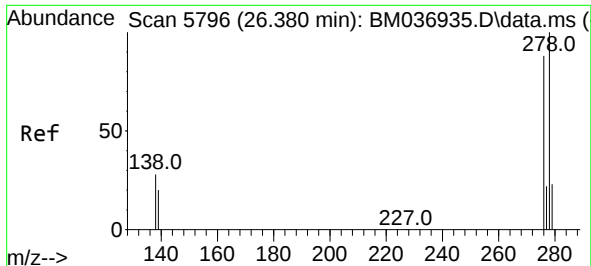
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Ion Ratio Lower Upper  
252 100  
253 29.7 29.7 44.5  
125 24.3 23.6 35.4



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.280 ng/ul  
RT: 26.360 min Scan# 5790  
Delta R.T. -0.003 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

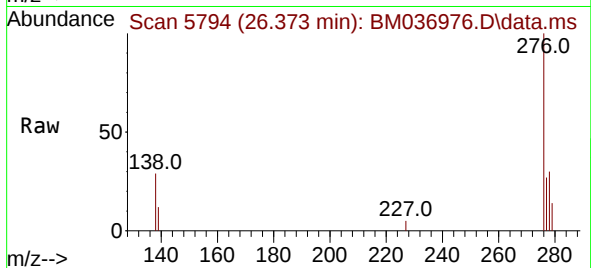
Tgt Ion:276 Resp: 21983  
Ion Ratio Lower Upper  
276 100  
138 25.8 23.9 35.9  
227 0.1 0.1 0.1#



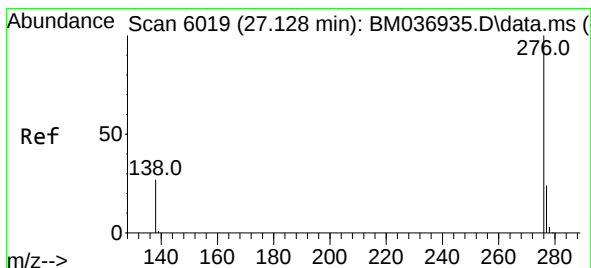
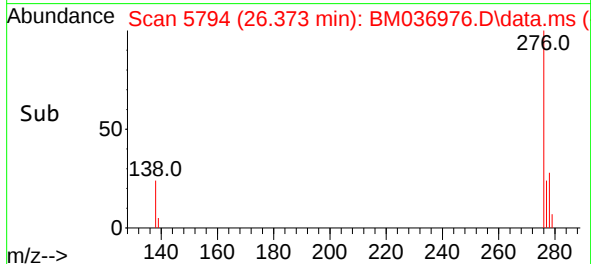
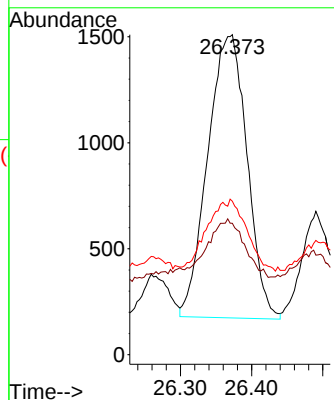


#28  
Dibenzo(a,h)anthracene  
Concen: 0.081 ng/ul  
RT: 26.373 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:278 Resp: 5121  
Ion Ratio Lower Upper  
278 100  
139 41.1 19.8 29.6#  
279 47.9 27.7 41.5#



#29  
Benzo(g,h,i)perylene  
Concen: 0.302 ng/ul  
RT: 27.124 min Scan# 6018  
Delta R.T. -0.003 min  
Lab File: BM036976.D  
Acq: 12 Oct 2022 10:23

Tgt Ion:276 Resp: 20837  
Ion Ratio Lower Upper  
276 100  
138 29.3 23.4 35.0  
277 25.9 21.0 31.4

