

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038253.D  
 Acq On : 24 Dec 2022 03:34  
 Operator : CG/JU  
 Sample : PB149780BS  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 24 04:08:52 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 23:36:45 2022  
 Response via : Initial Calibration

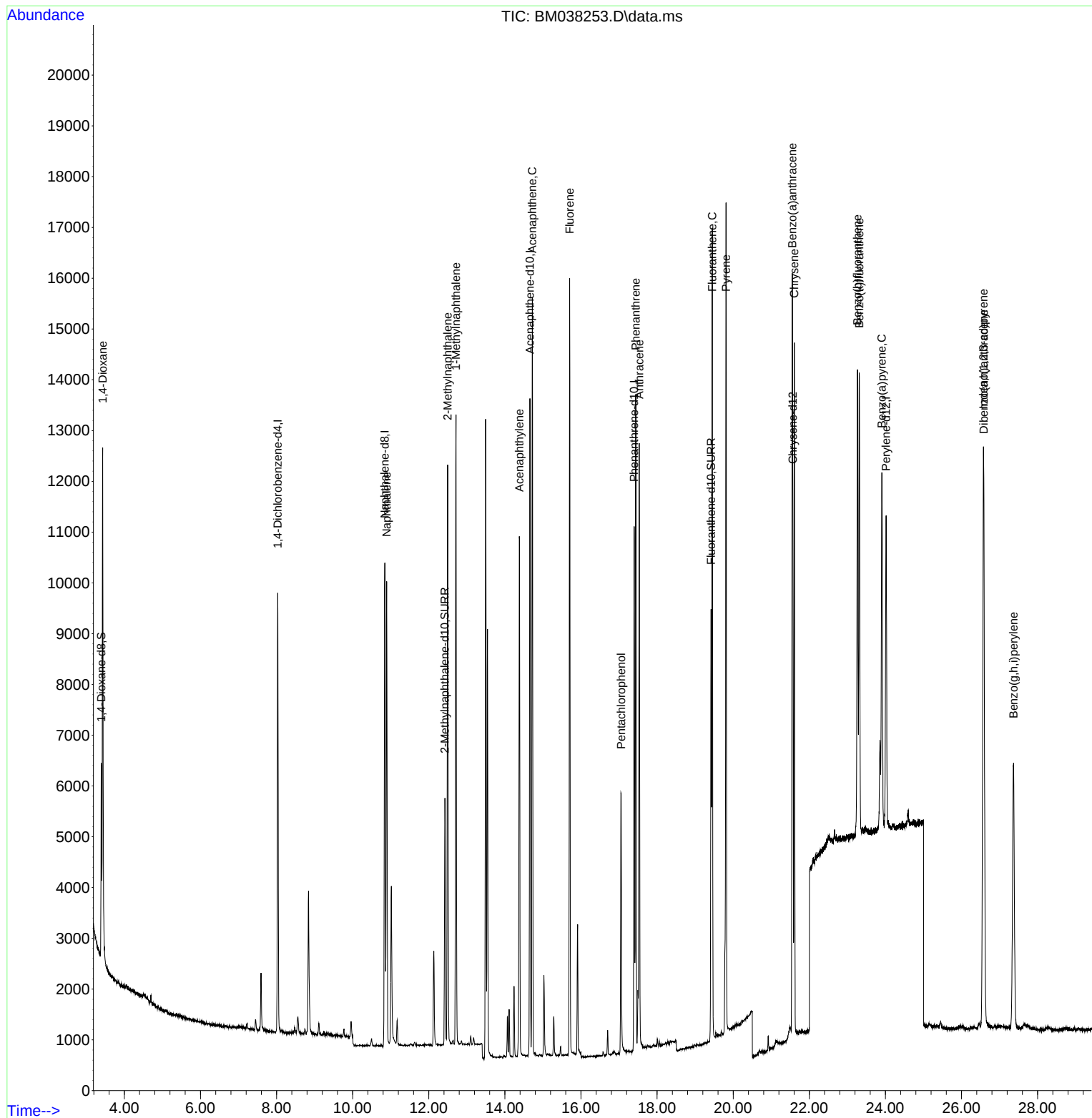
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.030  | 152  | 4486     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.845 | 136  | 12765    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.657 | 164  | 6634     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.396 | 188  | 12286    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.568 | 240  | 7433     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.017 | 264  | 8362     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.397  | 96   | 2481     | 0.544 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.423 | 152  | 6042     | 0.322 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.417 | 212  | 8980     | 0.322 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.431  | 88   | 6142     | 1.372 | ng/ul# | 91       |
| 5) Naphthalene              | 10.895 | 128  | 12047    | 0.322 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.495 | 142  | 7607     | 0.327 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.715 | 142  | 8064     | 0.339 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.379 | 152  | 11789    | 0.322 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.722 | 153  | 8543     | 0.327 | ng/ul  | 100      |
| 12) Fluorene                | 15.702 | 166  | 9031     | 0.319 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.054 | 266  | 3625     | 0.592 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.438 | 178  | 13046    | 0.317 | ng/ul  | 99       |
| 16) Anthracene              | 17.531 | 178  | 12679    | 0.321 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.450 | 202  | 13534    | 0.332 | ng/ul  | 100      |
| 20) Pyrene                  | 19.812 | 202  | 13810    | 0.336 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.550 | 228  | 11822    | 0.363 | ng/ul  | 98       |
| 22) Chrysene                | 21.606 | 228  | 11436    | 0.360 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.266 | 252  | 12014    | 0.325 | ng/ul  | 95       |
| 25) Benzo(k)fluoranthene    | 23.313 | 252  | 11935    | 0.336 | ng/ul  | 94       |
| 26) Benzo(a)pyrene          | 23.906 | 252  | 10644    | 0.330 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.575 | 276  | 14153    | 0.316 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.585 | 278  | 11124    | 0.320 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.367 | 276  | 11829    | 0.314 | ng/ul  | 98       |

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

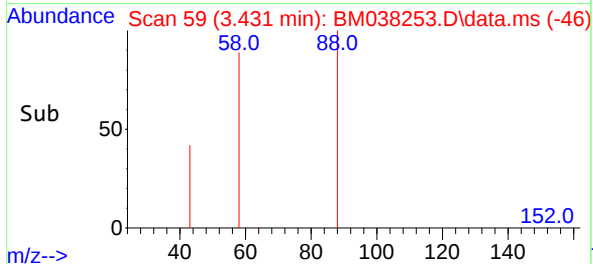
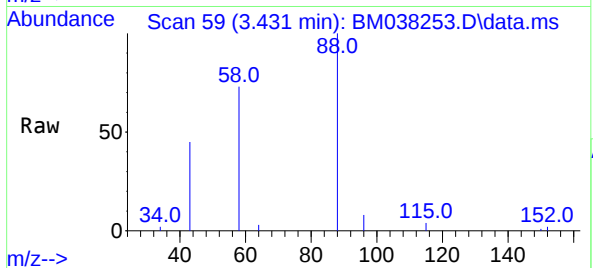
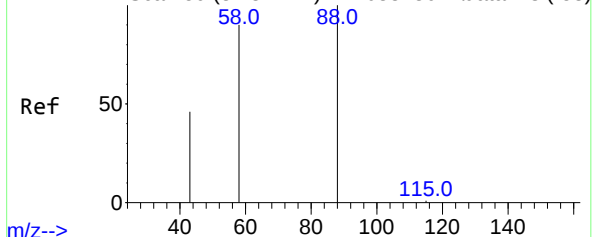
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
Data File : BM038253.D  
Acq On : 24 Dec 2022 03:34  
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BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 23:36:45 2022  
Response via : Initial Calibration



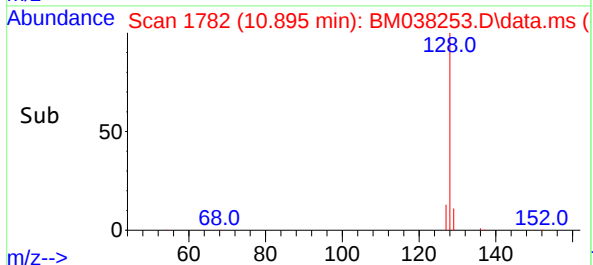
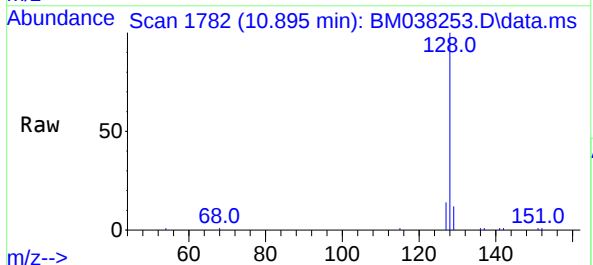
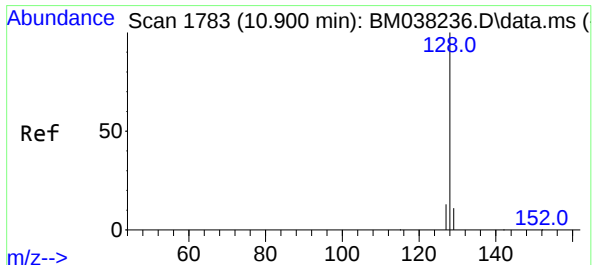
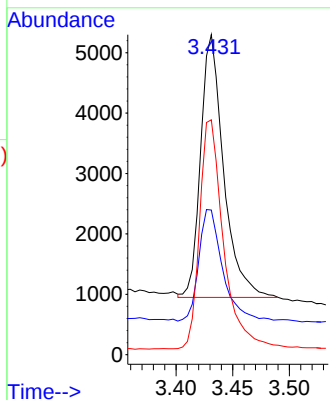
Abundance Scan 59 (3.431 min): BM038236.D\data.ms (-53)



#2  
1,4-Dioxane  
Concen: 1.372 ng/ul  
RT: 3.431 min Scan# 59  
Delta R.T. -0.004 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

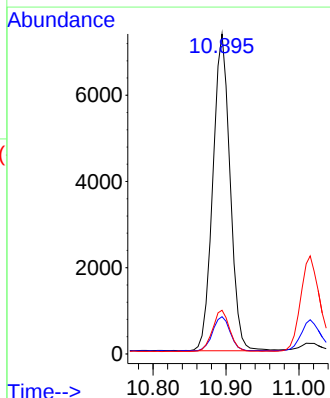
Instrument :  
BNA\_M  
ClientSampleId :

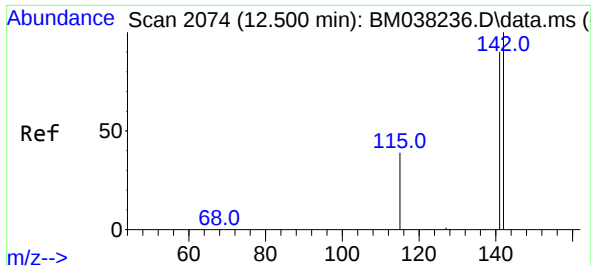
|             |             |
|-------------|-------------|
| Tgt Ion: 88 | Resp: 6142  |
| Ion Ratio   | Lower Upper |
| 88 100      |             |
| 43 45.2     | 46.4 69.6#  |
| 58 73.4     | 56.9 85.3   |



#5  
Naphthalene  
Concen: 0.322 ng/ul  
RT: 10.895 min Scan# 1782  
Delta R.T. -0.011 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

|              |             |
|--------------|-------------|
| Tgt Ion: 128 | Resp: 12047 |
| Ion Ratio    | Lower Upper |
| 128 100      |             |
| 129 11.7     | 9.4 14.0    |
| 127 13.6     | 10.7 16.1   |

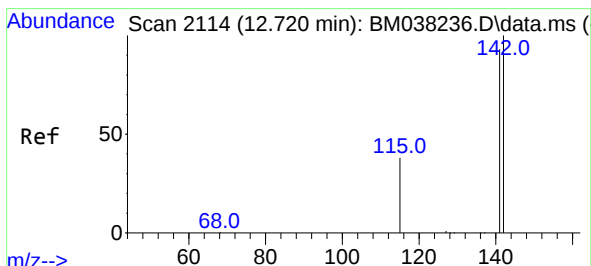
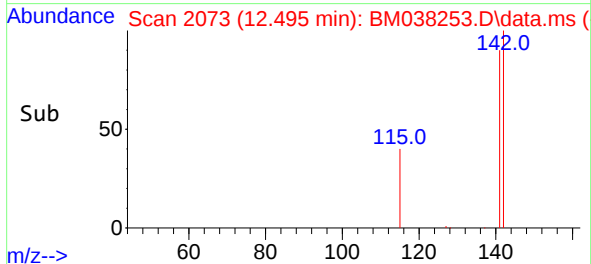
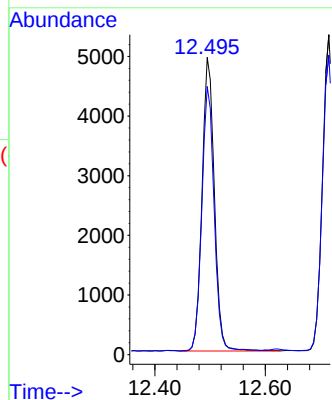
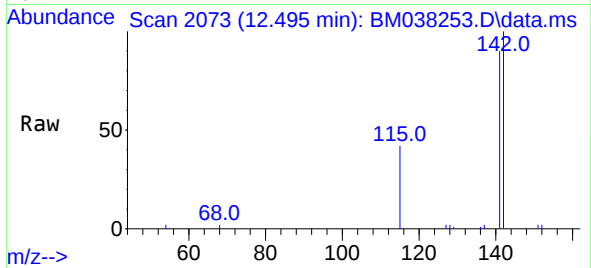




#7  
2-Methylnaphthalene  
Concen: 0.327 ng/ul  
RT: 12.495 min Scan# 2074  
Delta R.T. -0.011 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

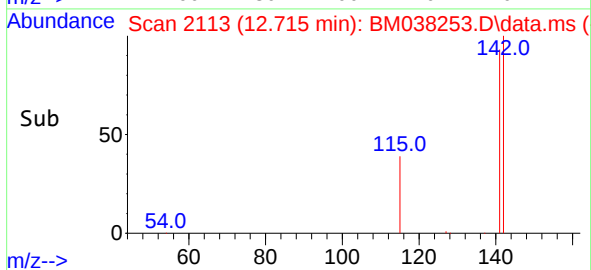
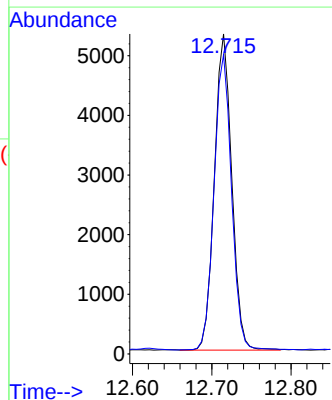
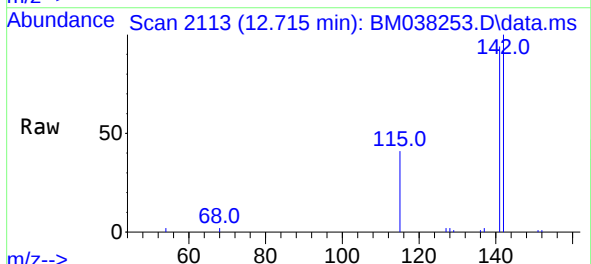
Instrument :  
BNA\_M  
ClientSampleId :

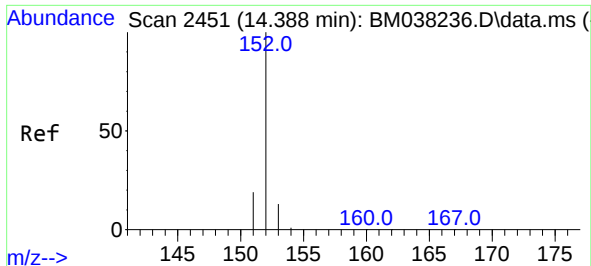
Tgt Ion:142 Resp: 7607  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.339 ng/ul  
RT: 12.715 min Scan# 2113  
Delta R.T. -0.011 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Tgt Ion:142 Resp: 8064  
Ion Ratio Lower Upper  
142 100  
141 94.0 74.7 112.1

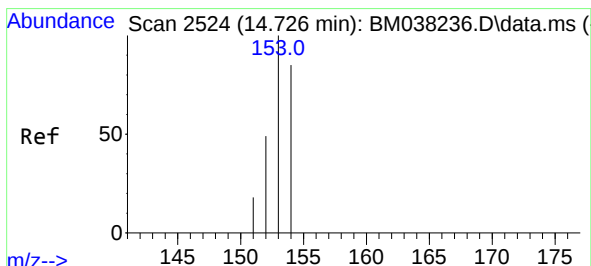
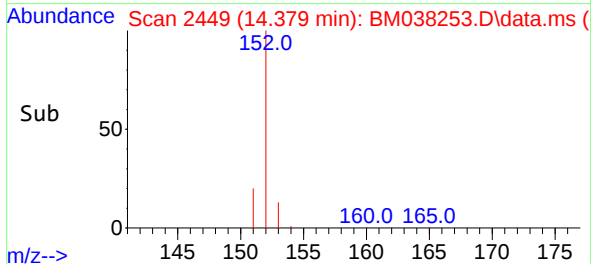
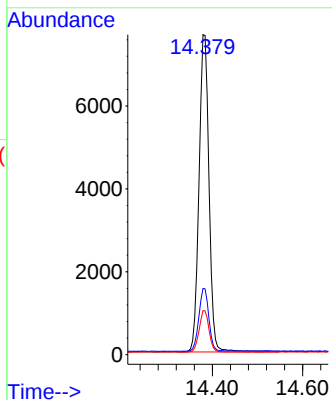
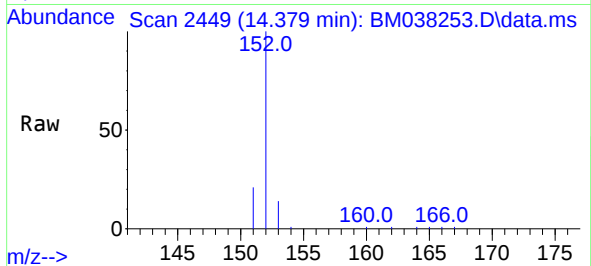




#10  
Acenaphthylene  
Concen: 0.322 ng/ul  
RT: 14.379 min Scan# 2449  
Delta R.T. -0.009 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

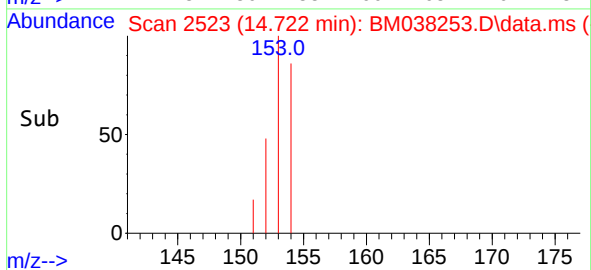
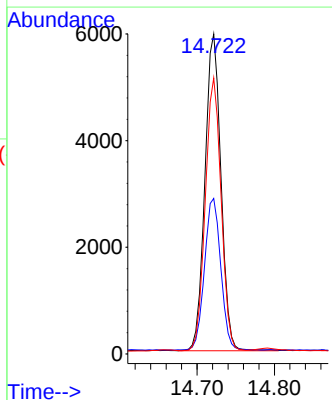
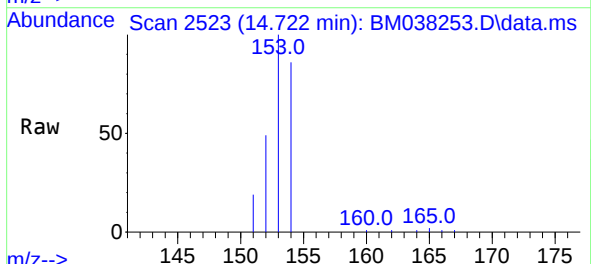
Instrument :  
BNA\_M  
ClientSampleId :

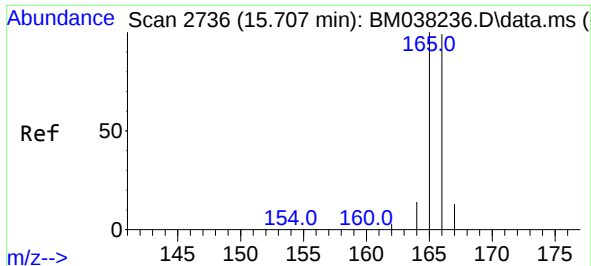
Tgt Ion:152 Resp: 11789  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.2 24.2  
153 13.8 10.7 16.1



#11  
Acenaphthene  
Concen: 0.327 ng/ul  
RT: 14.722 min Scan# 2523  
Delta R.T. -0.009 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Tgt Ion:153 Resp: 8543  
Ion Ratio Lower Upper  
153 100  
152 48.6 39.4 59.0  
154 86.3 69.0 103.4

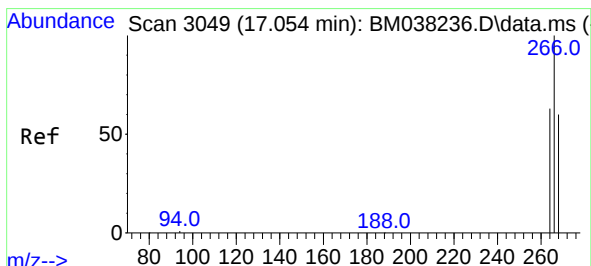
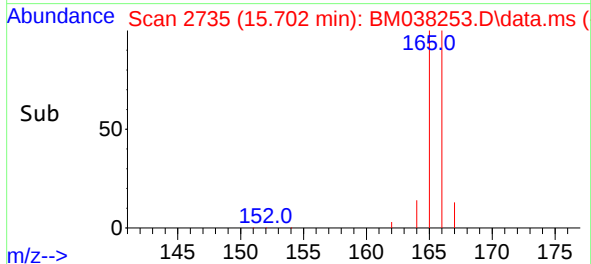
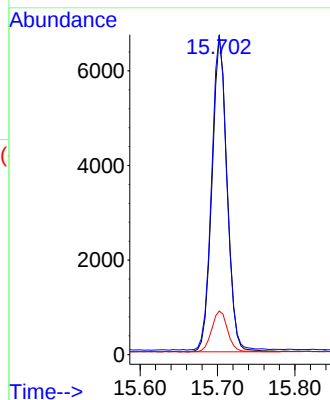
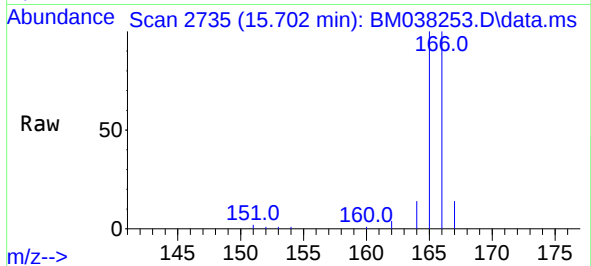




#12  
Fluorene  
Concen: 0.319 ng/ul  
RT: 15.702 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

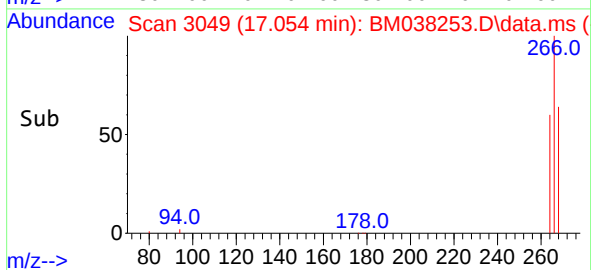
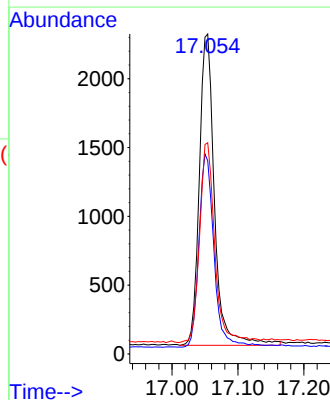
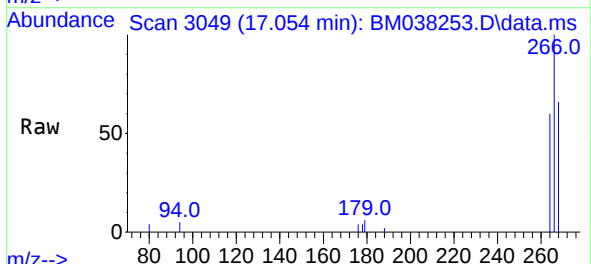
Instrument :  
BNA\_M  
ClientSampleId :

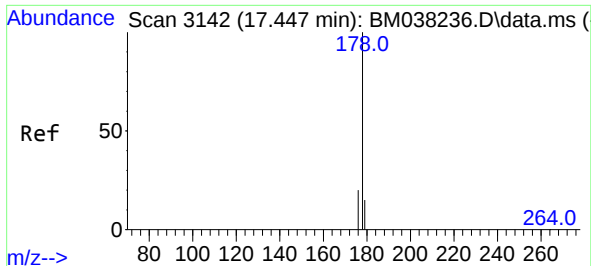
Tgt Ion:166 Resp: 9031  
Ion Ratio Lower Upper  
166 100  
165 100.5 79.0 118.6  
167 13.7 11.0 16.6



#14  
Pentachlorophenol  
Concen: 0.592 ng/ul  
RT: 17.054 min Scan# 3049  
Delta R.T. -0.004 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

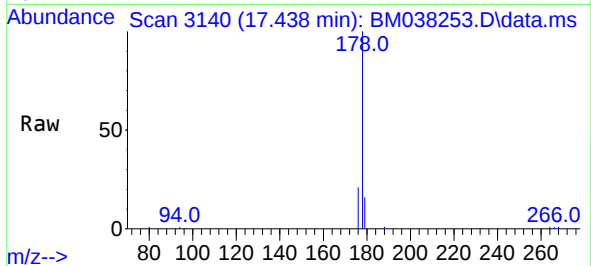
Tgt Ion:266 Resp: 3625  
Ion Ratio Lower Upper  
266 100  
264 61.8 49.9 74.9  
268 64.9 51.2 76.8



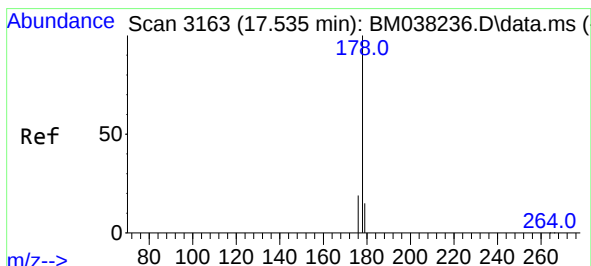
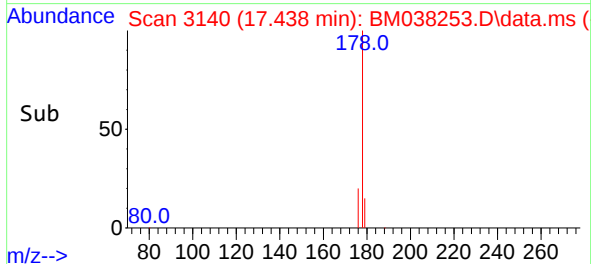
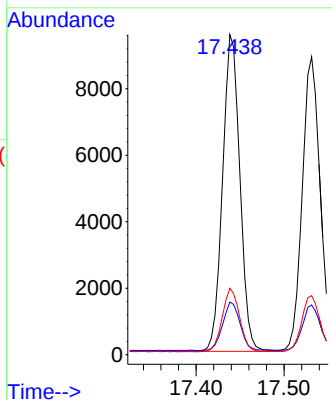


#15  
Phenanthrene  
Concen: 0.317 ng/ul  
RT: 17.438 min Scan# 3140  
Delta R.T. -0.008 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Instrument :  
BNA\_M  
ClientSampleId :

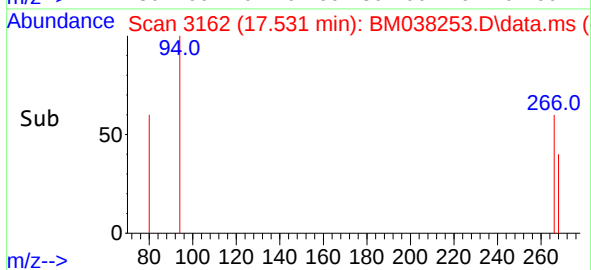
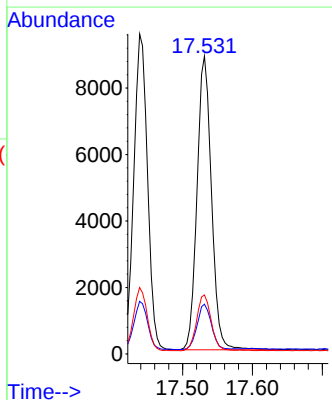
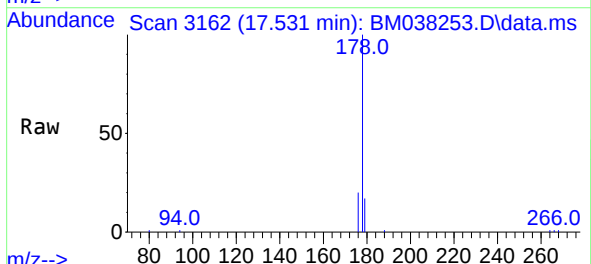


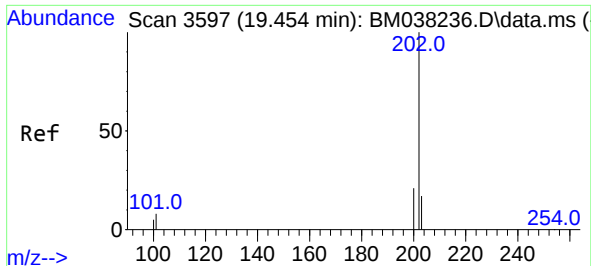
Tgt Ion:178 Resp: 13046  
Ion Ratio Lower Upper  
178 100  
179 16.5 13.0 19.4  
176 20.8 16.2 24.4



#16  
Anthracene  
Concen: 0.321 ng/ul  
RT: 17.531 min Scan# 3162  
Delta R.T. -0.008 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

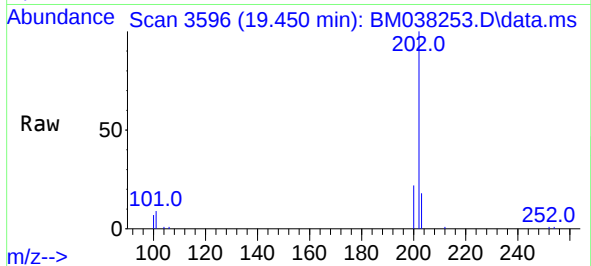
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Ion Ratio Lower Upper  
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179 16.7 13.0 19.6  
176 19.8 15.6 23.4



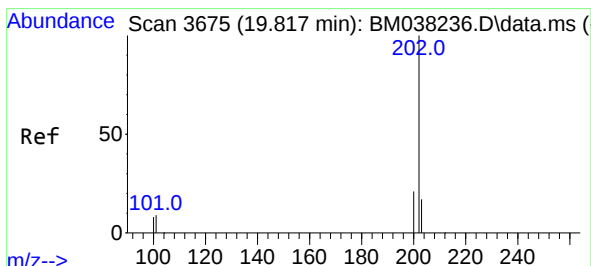
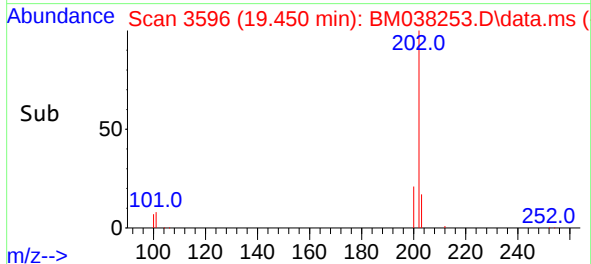
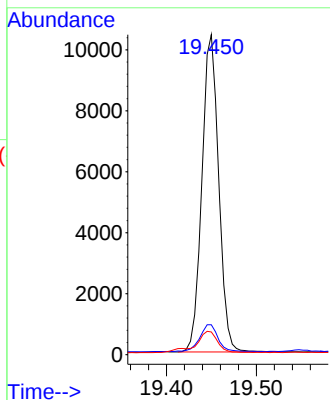


#19  
Fluoranthene  
Concen: 0.332 ng/u1  
RT: 19.450 min Scan# 3597  
Delta R.T. -0.005 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Instrument :  
BNA\_M  
ClientSampleId :

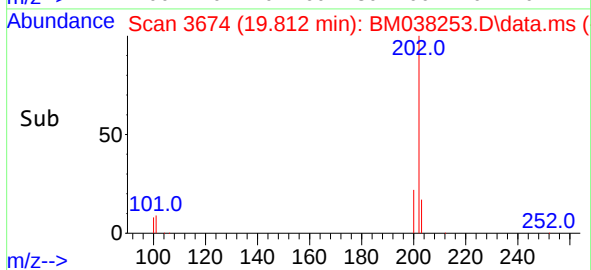
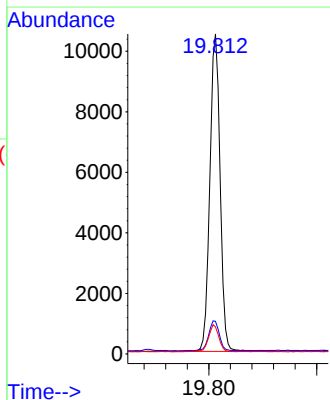
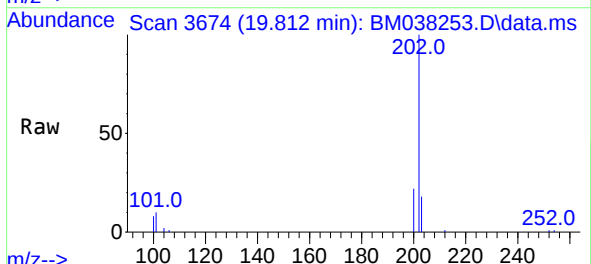


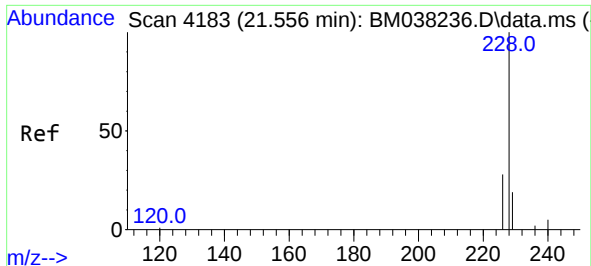
Tgt Ion:202 Resp: 13534  
Ion Ratio Lower Upper  
202 100  
101 9.3 7.5 11.3  
100 7.1 5.6 8.4



#20  
Pyrene  
Concen: 0.336 ng/u1  
RT: 19.812 min Scan# 3674  
Delta R.T. -0.005 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Tgt Ion:202 Resp: 13810  
Ion Ratio Lower Upper  
202 100  
101 10.2 8.9 13.3  
100 8.5 7.4 11.0

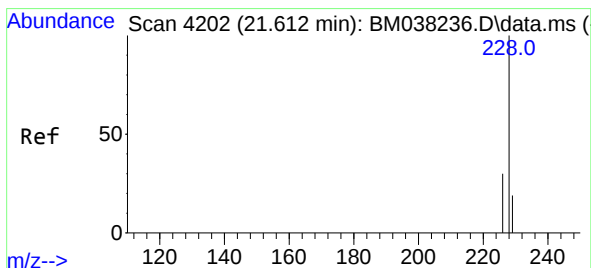
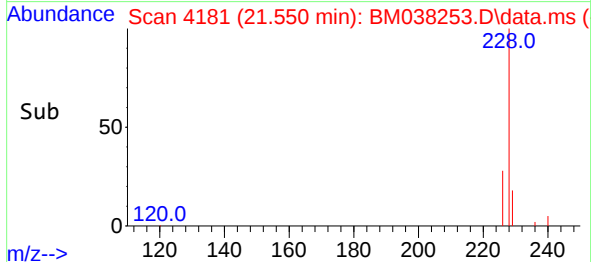
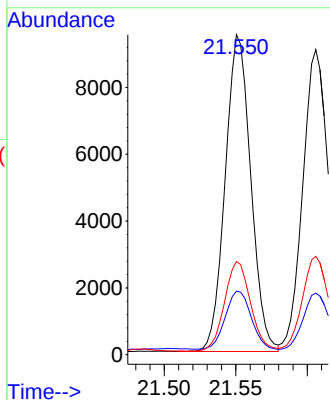
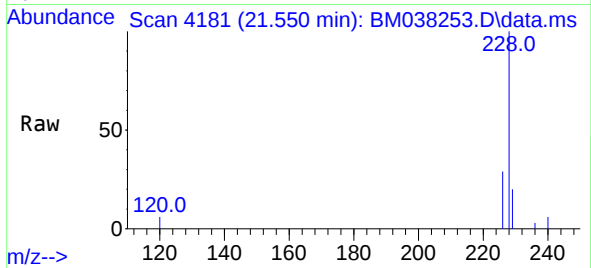




#21  
Benzo(a)anthracene  
Concen: 0.363 ng/ul  
RT: 21.550 min Scan# 4183  
Delta R.T. -0.009 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

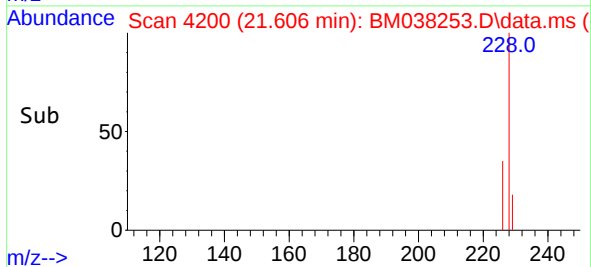
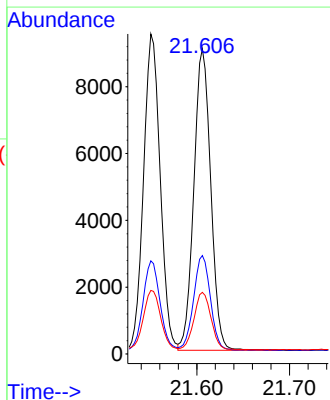
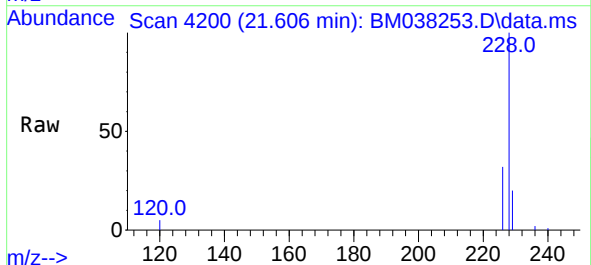
Instrument :  
BNA\_M  
ClientSampleId :

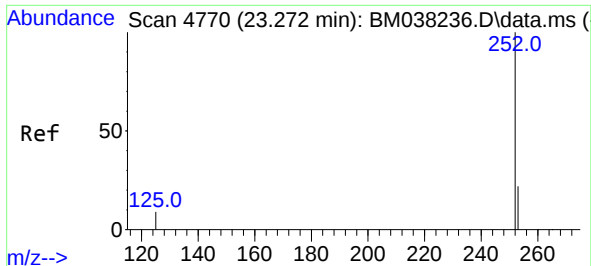
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 11822     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 19.8  | 15.5 23.3 |
| 226         | 29.1  | 22.2 33.2 |



#22  
Chrysene  
Concen: 0.360 ng/ul  
RT: 21.606 min Scan# 4200  
Delta R.T. -0.006 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

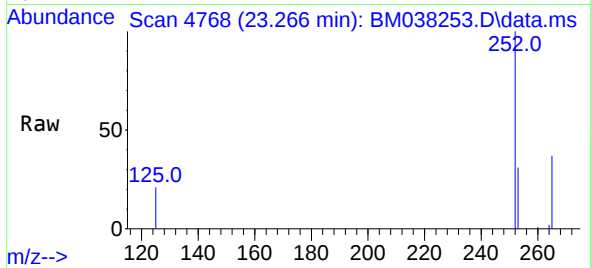
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 11436     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 32.3  | 25.0 37.4 |
| 229         | 20.2  | 16.0 24.0 |



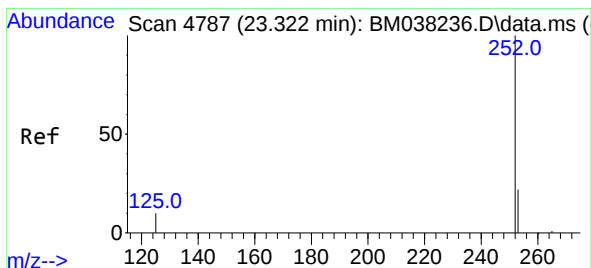
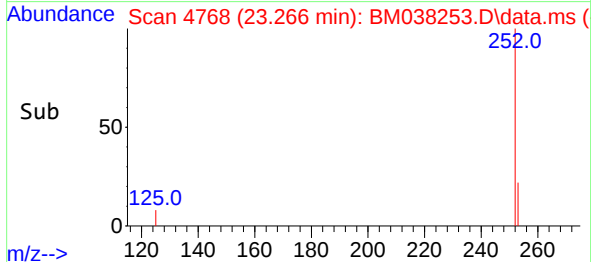
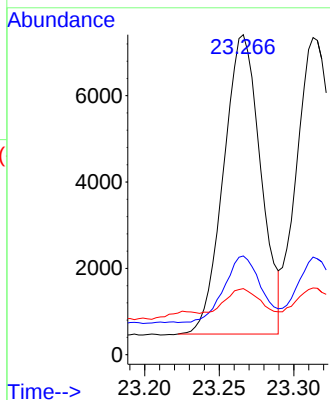


#24  
Benzo(b)fluoranthene  
Concen: 0.325 ng/ul  
RT: 23.266 min Scan# 4770  
Delta R.T. -0.006 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Instrument :  
BNA\_M  
ClientSampleId :

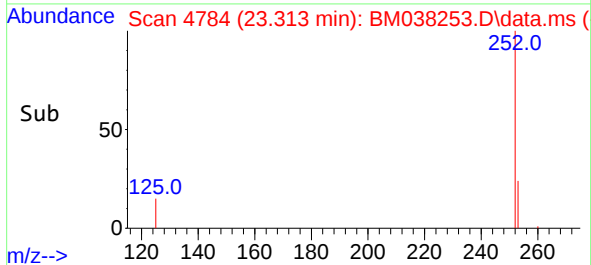
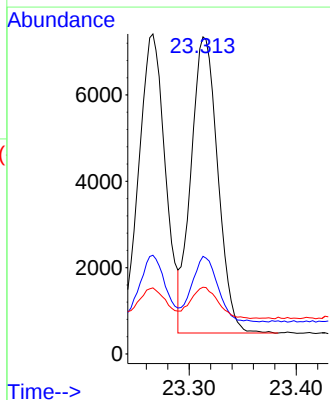
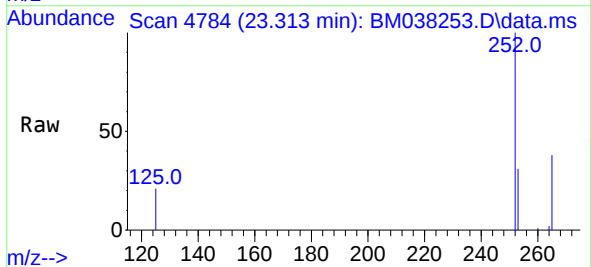


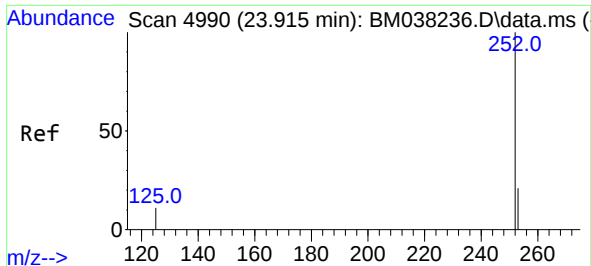
Tgt Ion:252 Resp: 12014  
Ion Ratio Lower Upper  
252 100  
253 30.8 0.0 56.0  
125 20.7 0.0 36.6



#25  
Benzo(k)fluoranthene  
Concen: 0.336 ng/ul  
RT: 23.313 min Scan# 4784  
Delta R.T. -0.009 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Tgt Ion:252 Resp: 11935  
Ion Ratio Lower Upper  
252 100  
253 30.8 22.5 33.7  
125 21.0 14.4 21.6

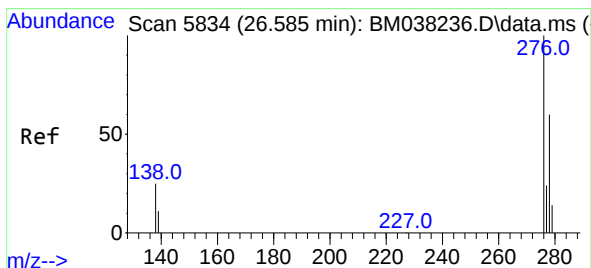
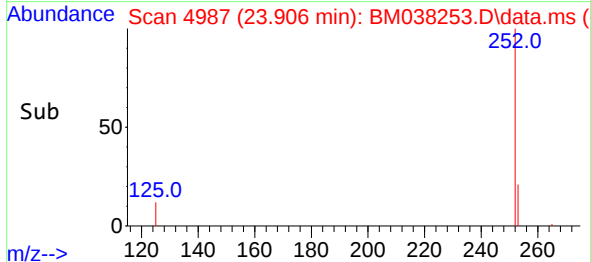
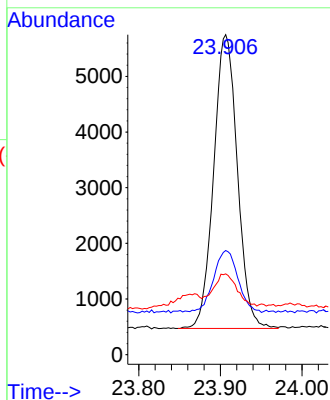
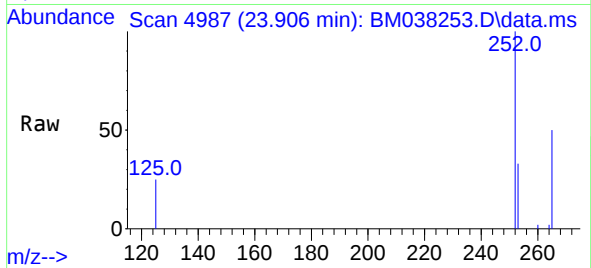




#26  
Benzo(a)pyrene  
Concen: 0.330 ng/ul  
RT: 23.906 min Scan# 4990  
Delta R.T. -0.006 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

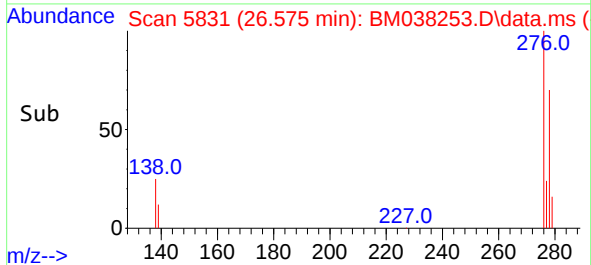
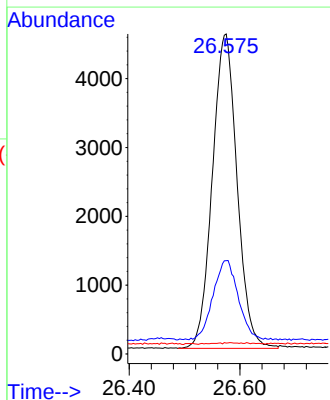
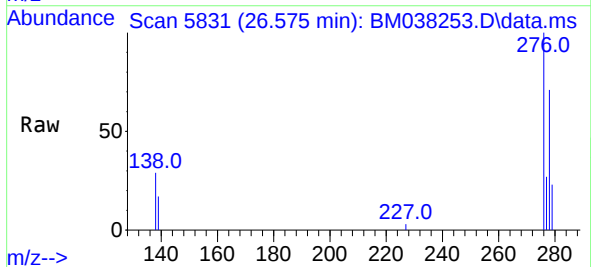
Instrument :  
BNA\_M  
ClientSampleId :

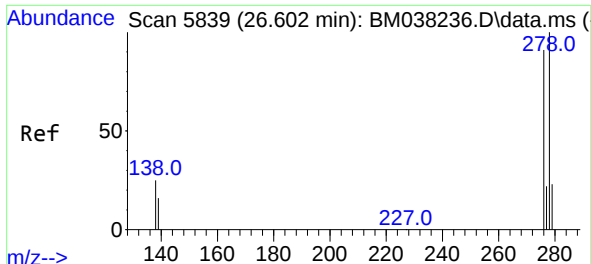
Tgt Ion:252 Resp: 10644  
Ion Ratio Lower Upper  
252 100  
253 32.6 24.2 36.4  
125 25.2 17.3 25.9



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.316 ng/ul  
RT: 26.575 min Scan# 5831  
Delta R.T. -0.007 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

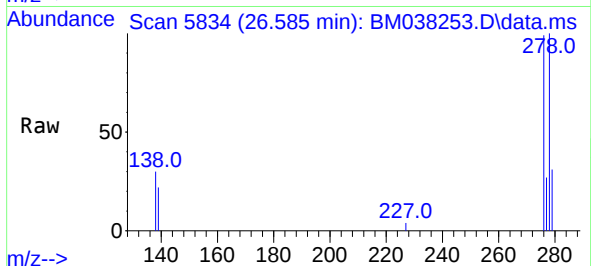
Tgt Ion:276 Resp: 14153  
Ion Ratio Lower Upper  
276 100  
138 26.0 21.7 32.5  
227 0.2 0.0 0.0#



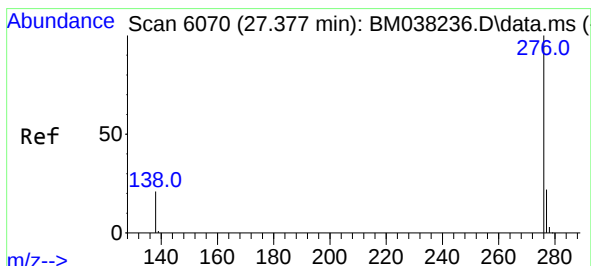
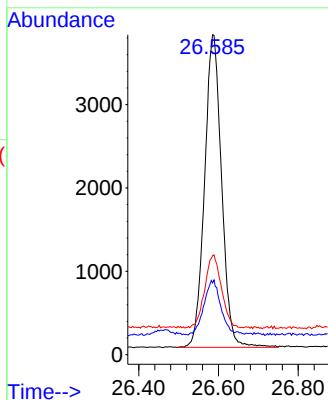
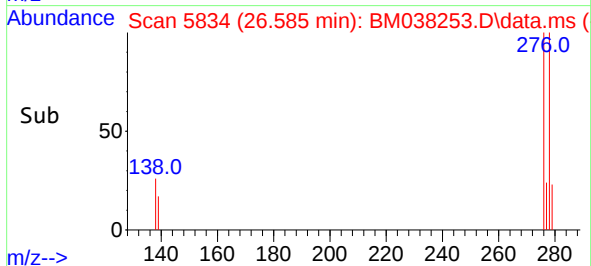


#28  
Dibenzo(a,h)anthracene  
Concen: 0.320 ng/ul  
RT: 26.585 min Scan# 5834  
Delta R.T. -0.010 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:278 Resp: 11124  
Ion Ratio Lower Upper  
278 100  
139 22.4 16.8 25.2  
279 30.9 23.4 35.2



#29  
Benzo(g,h,i)perylene  
Concen: 0.314 ng/ul  
RT: 27.367 min Scan# 6067  
Delta R.T. -0.003 min  
Lab File: BM038253.D  
Acq: 24 Dec 2022 03:34

Tgt Ion:276 Resp: 11829  
Ion Ratio Lower Upper  
276 100  
138 27.6 20.8 31.2  
277 26.5 20.5 30.7

