

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072922\  
 Data File : BM035997.D  
 Acq On : 29 Jul 2022 17:53  
 Operator : CG/JU  
 Sample : N3790-22  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 30 00:24:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM072522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 00:20:59 2022  
 Response via : Initial Calibration

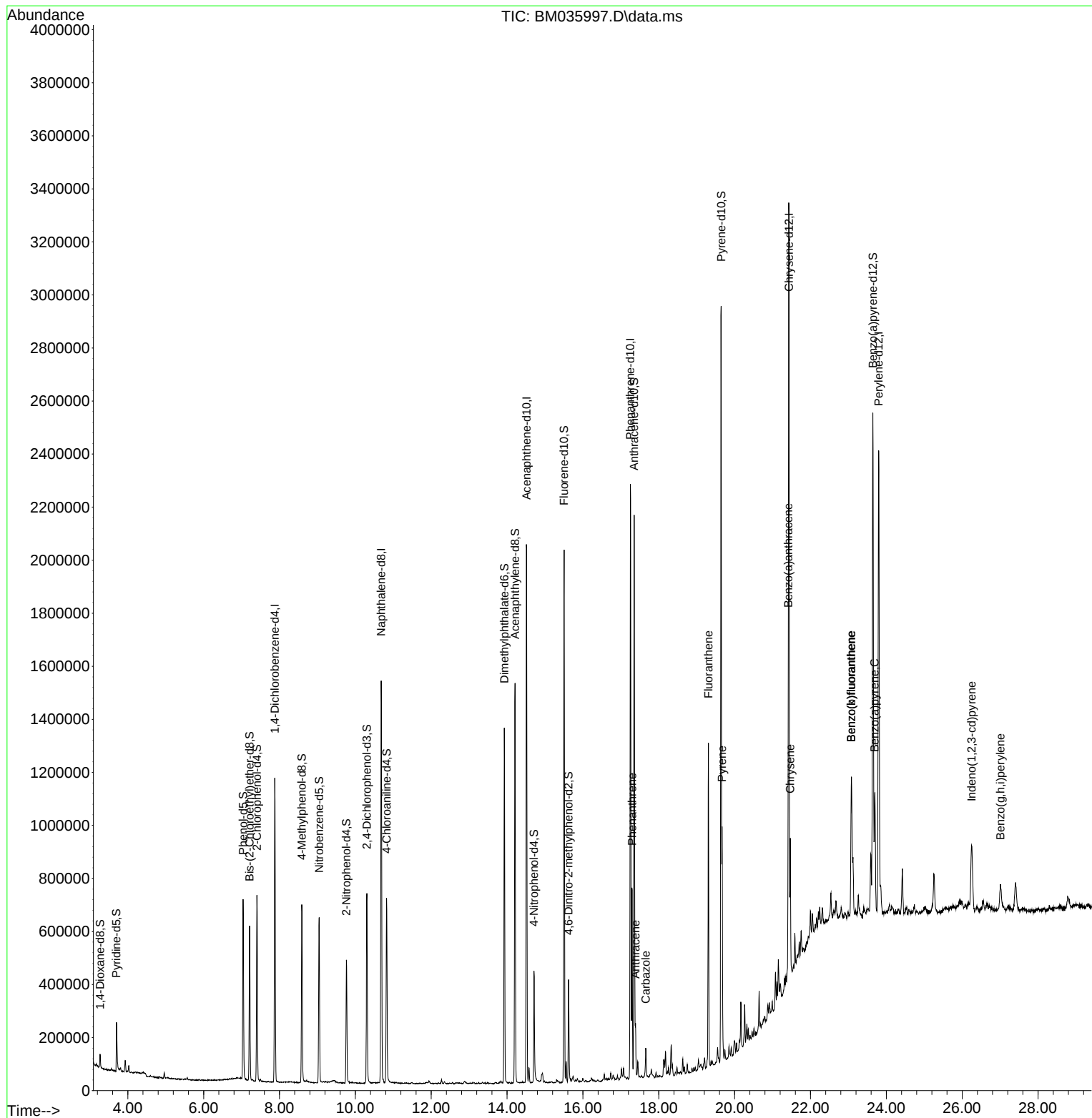
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 304901   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.681 | 136  | 1260646  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.510 | 164  | 694450   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 1307423  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.433 | 240  | 1231289  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.797 | 264  | 1260989  | 20.000 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 24373    | 3.008  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 106873   | 4.815  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.040  | 99   | 383973   | 15.017 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.210  | 67   | 248134   | 14.557 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.404  | 132  | 329196   | 15.511 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.587  | 113  | 252920   | 12.210 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.045  | 128  | 157027   | 15.719 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.763  | 143  | 152180   | 15.636 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.304 | 165  | 271917   | 15.448 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.822 | 131  | 394811   | 13.249 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.927 | 166  | 848415   | 17.935 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.210 | 160  | 1009699  | 16.729 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.710 | 143  | 107436   | 11.060 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.504 | 176  | 754166   | 17.643 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.621 | 200  | 74526    | 10.604 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.351 | 188  | 1117774  | 18.910 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.645 | 212  | 1379712  | 20.218 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.644 | 264  | 1320811  | 20.632 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        | Qvalue   |
| 72) Phenanthrene              | 17.298 | 178  | 408863   | 5.835  | ng/u1  | 100      |
| 74) Anthracene                | 17.386 | 178  | 110401   | 1.570  | ng/u1  | 100      |
| 77) Carbazole                 | 17.657 | 167  | 67095    | 1.033  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.309 | 202  | 656336   | 8.050  | ng/u1  | 98       |
| 82) Pyrene                    | 19.668 | 202  | 500285   | 5.953  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.415 | 228  | 320050   | 4.130  | ng/u1  | 99       |
| 87) Chrysene                  | 21.468 | 228  | 291628   | 3.857  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.074 | 252  | 386351   | 4.591  | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 23.074 | 252  | 386351   | 4.838  | ng/u1  | 97       |
| 93) Benzo(a)pyrene            | 23.692 | 252  | 244823   | 3.054  | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.250 | 276  | 167688   | 1.963  | ng/u1# | 89       |
| 96) Benzo(g,h,i)perylene      | 27.009 | 276  | 121994   | 1.723  | ng/u1  | 94       |
| -----                         |        |      |          |        |        |          |

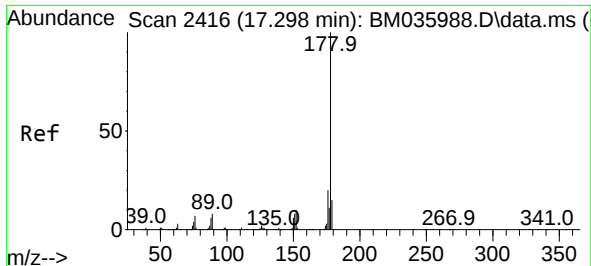
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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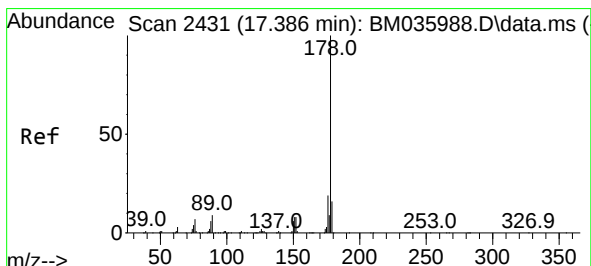
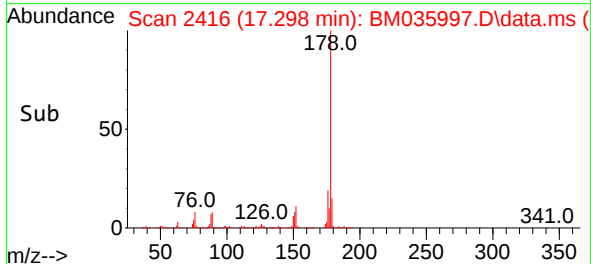
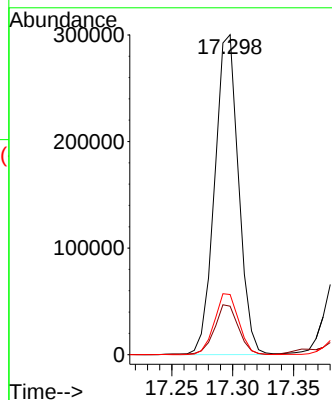
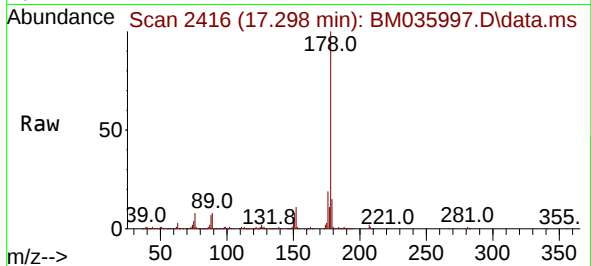




#72  
 Phenanthrene  
 Concen: 5.835 ng/ul  
 RT: 17.298 min Scan# 2416  
 Delta R.T. 0.000 min  
 Lab File: BM035997.D  
 Acq: 29 Jul 2022 17:53

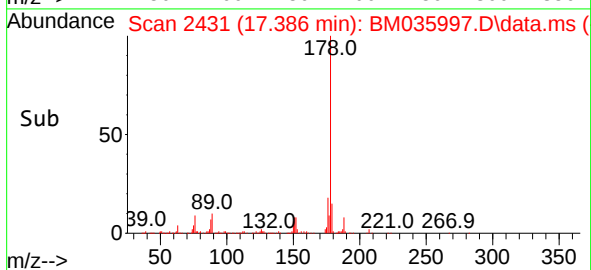
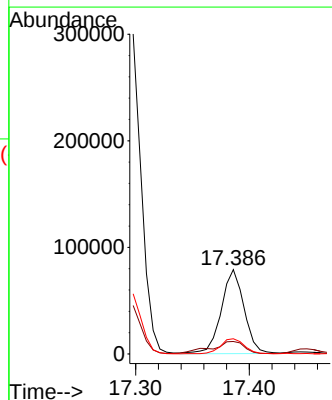
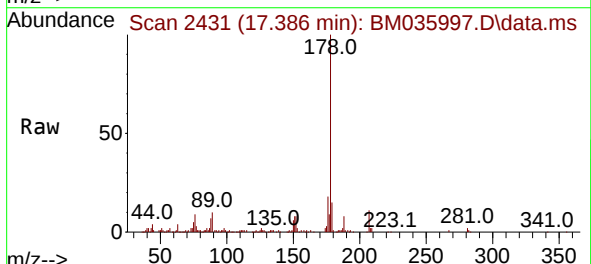
Instrument :  
 BNA\_M  
 ClientSampleId :

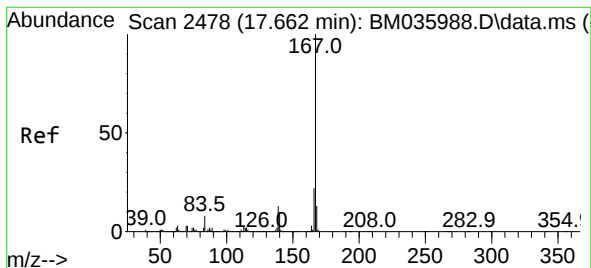
Tgt Ion:178 Resp: 408863  
 Ion Ratio Lower Upper  
 178 100  
 179 15.2 12.2 18.2  
 176 18.8 14.9 22.3



#74  
 Anthracene  
 Concen: 1.570 ng/ul  
 RT: 17.386 min Scan# 2431  
 Delta R.T. 0.000 min  
 Lab File: BM035997.D  
 Acq: 29 Jul 2022 17:53

Tgt Ion:178 Resp: 110401  
 Ion Ratio Lower Upper  
 178 100  
 179 14.8 12.2 18.2  
 176 18.0 14.4 21.6





#77

Carbazole

Concen: 1.033 ng/ul

RT: 17.657 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BM035997.D

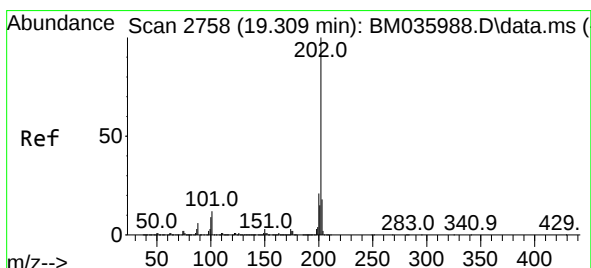
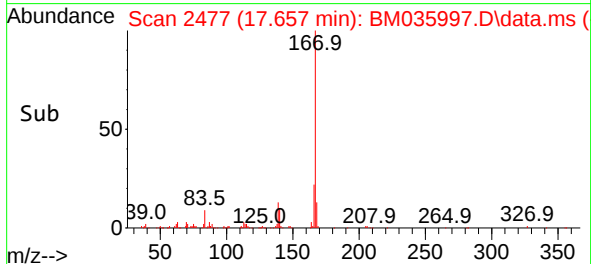
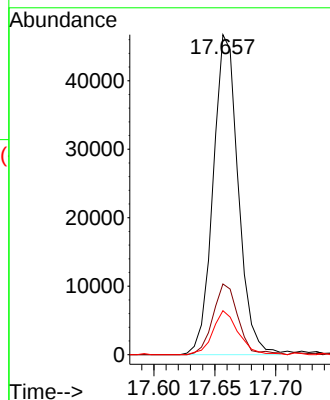
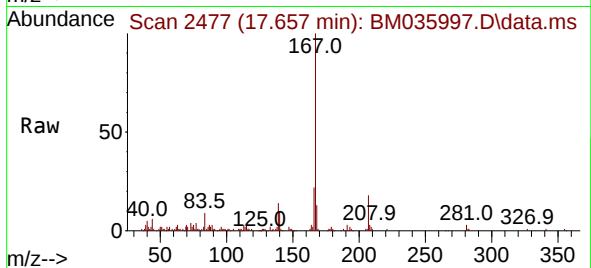
Acq: 29 Jul 2022 17:53

Instrument :

BNA\_M

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion:167 | Resp: 67095 |
| Ion Ratio   | Lower Upper |
| 167 100     |             |
| 166 22.1    | 17.4 26.0   |
| 139 13.7    | 10.1 15.1   |



#80

Fluoranthene

Concen: 8.050 ng/ul

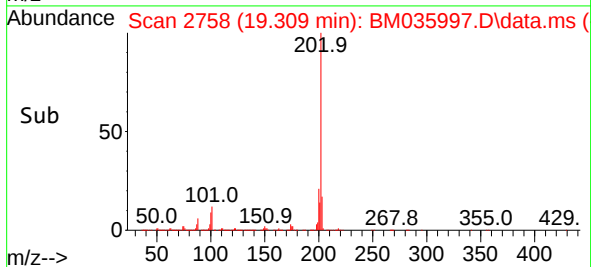
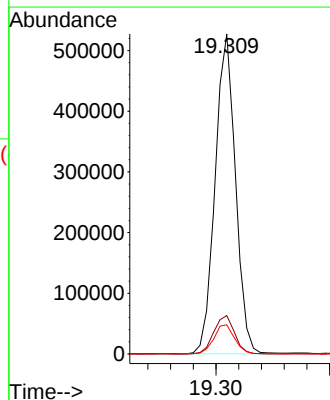
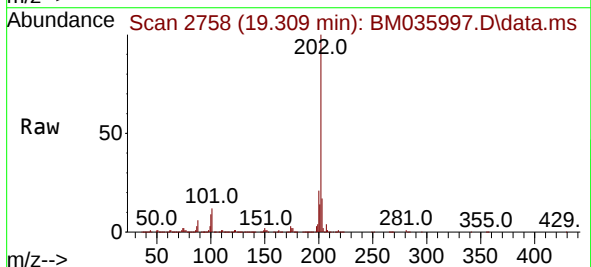
RT: 19.309 min Scan# 2758

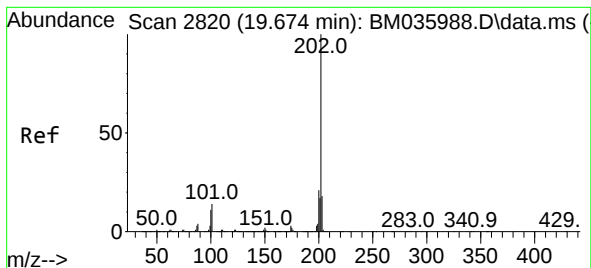
Delta R.T. 0.000 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 656336 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 101 12.0    | 10.1 15.1    |
| 100 9.1     | 7.8 11.6     |





#82

Pyrene

Concen: 5.953 ng/ul

RT: 19.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

Instrument :

BNA\_M

ClientSampleId :

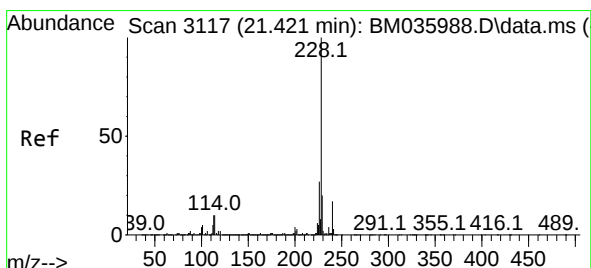
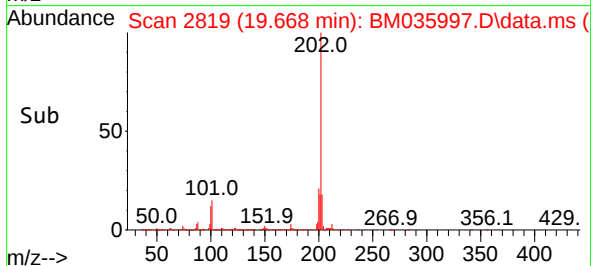
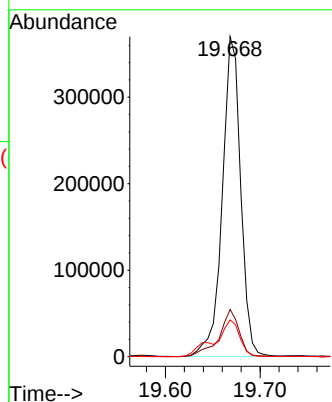
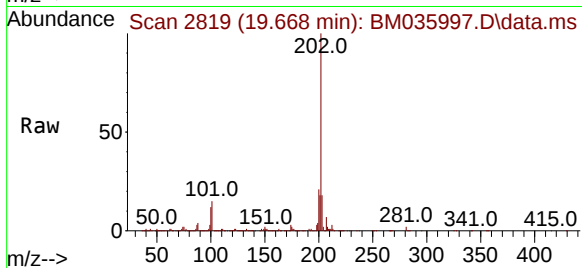
Tgt Ion:202 Resp: 500285

Ion Ratio Lower Upper

202 100

101 14.8 11.9 17.9

100 11.5 10.2 15.4



#85

Benzo(a)anthracene

Concen: 4.130 ng/ul

RT: 21.415 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

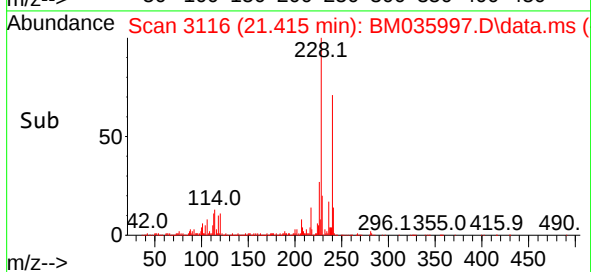
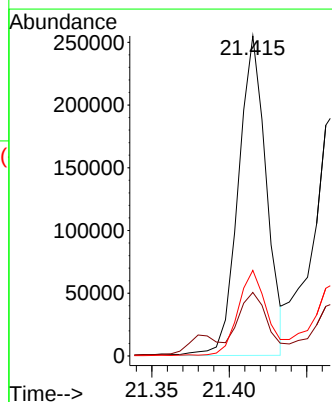
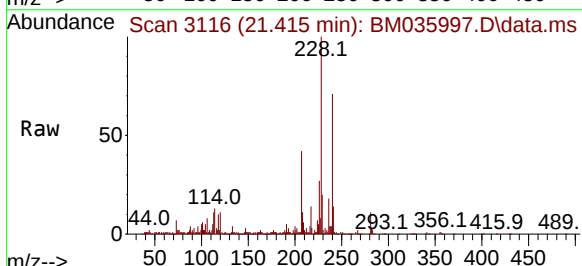
Tgt Ion:228 Resp: 320050

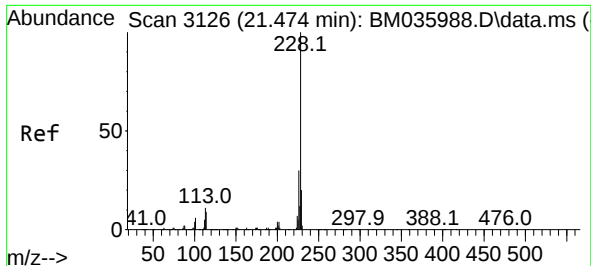
Ion Ratio Lower Upper

228 100

229 19.9 15.6 23.4

226 26.8 21.7 32.5

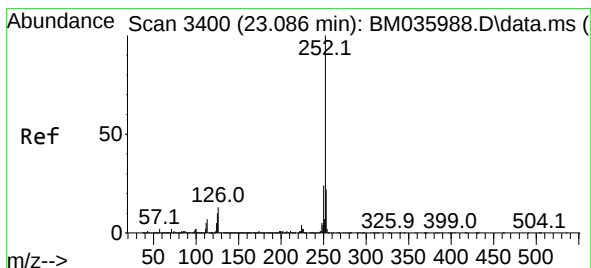
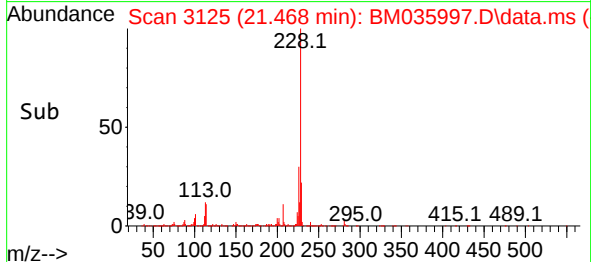
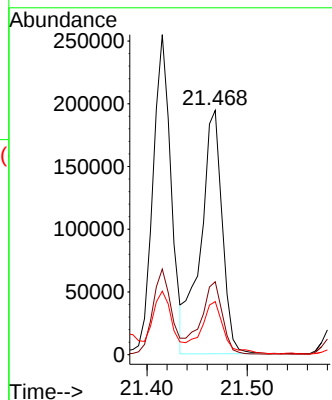
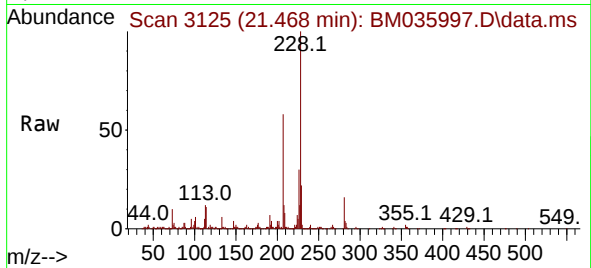




#87  
Chrysene  
Concen: 3.857 ng/ul  
RT: 21.468 min Scan# 3126  
Delta R.T. -0.006 min  
Lab File: BM035997.D  
Acq: 29 Jul 2022 17:53

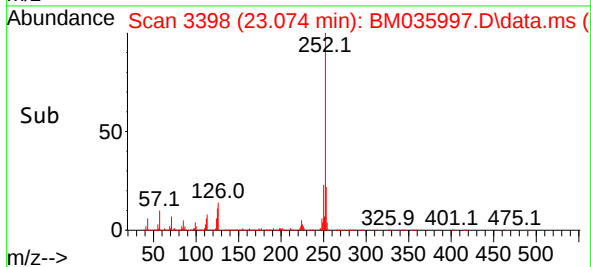
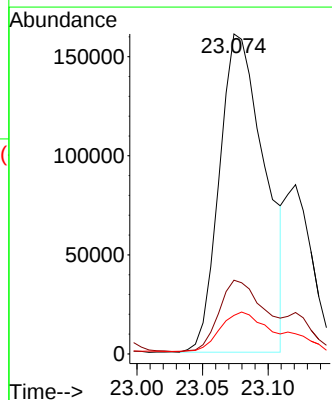
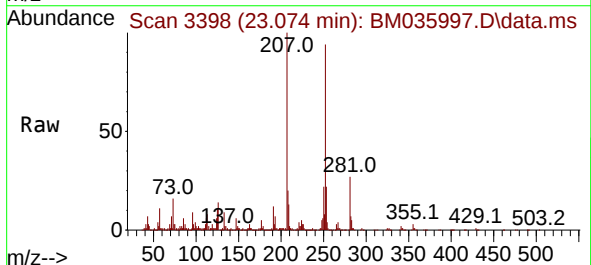
Instrument :  
BNA\_M  
ClientSampleId :

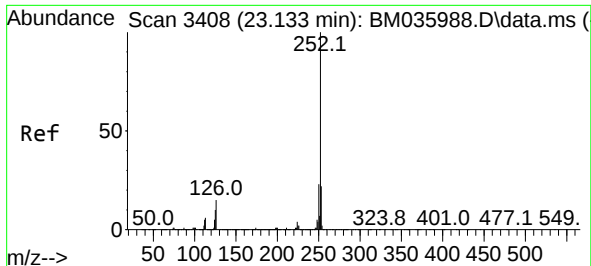
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 291628    |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.8  | 23.7 35.5 |
| 229         | 21.8  | 15.5 23.3 |



#90  
Benzo(b)fluoranthene  
Concen: 4.591 ng/ul  
RT: 23.074 min Scan# 3398  
Delta R.T. -0.012 min  
Lab File: BM035997.D  
Acq: 29 Jul 2022 17:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 386351    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.0  | 17.5 26.3 |
| 125         | 12.0  | 10.7 16.1 |

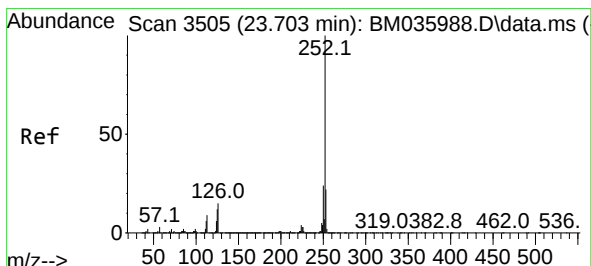
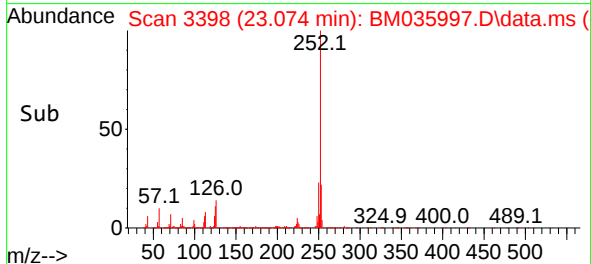
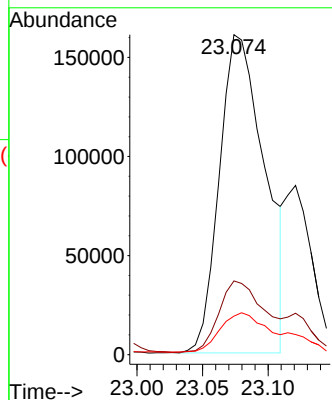
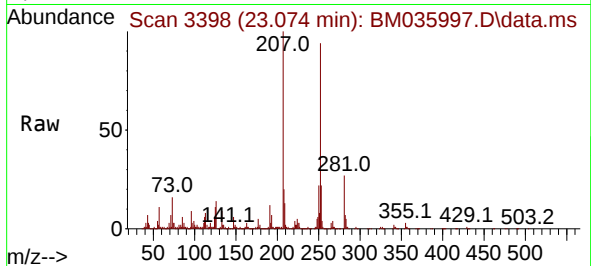




#91  
Benzo(k)fluoranthene  
Concen: 4.838 ng/ul  
RT: 23.074 min Scan# 31  
Delta R.T. -0.059 min  
Lab File: BM035997.D  
Acq: 29 Jul 2022 17:53

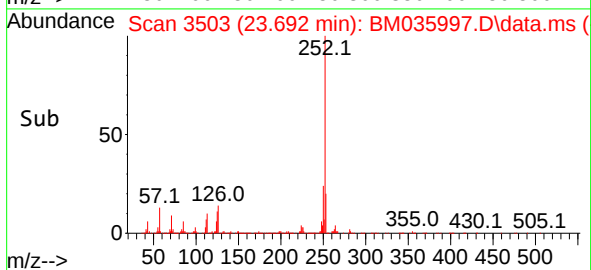
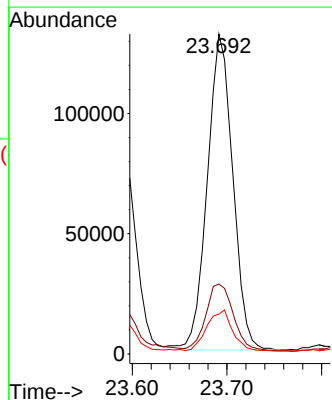
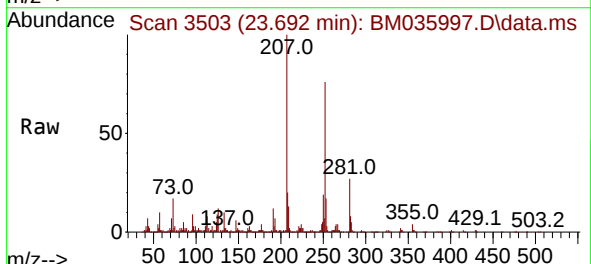
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BNA\_M  
ClientSampleId :

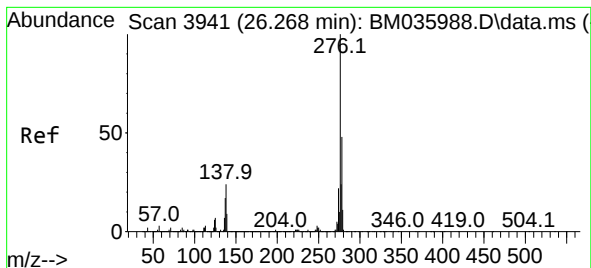
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Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.0  
125 12.0 10.6 15.8



#93  
Benzo(a)pyrene  
Concen: 3.054 ng/ul  
RT: 23.692 min Scan# 3503  
Delta R.T. -0.012 min  
Lab File: BM035997.D  
Acq: 29 Jul 2022 17:53

Tgt Ion:252 Resp: 244823  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.3 25.9  
125 12.5 11.8 17.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.963 ng/ul

RT: 26.250 min Scan# 3941

Delta R.T. -0.018 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

Instrument :

BNA\_M

ClientSampleId :

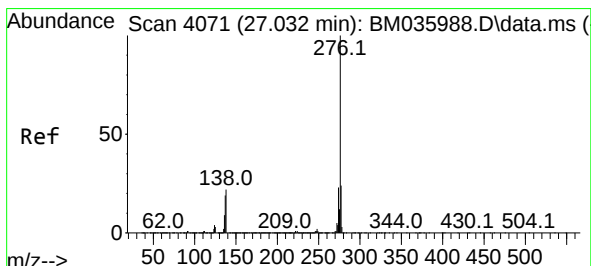
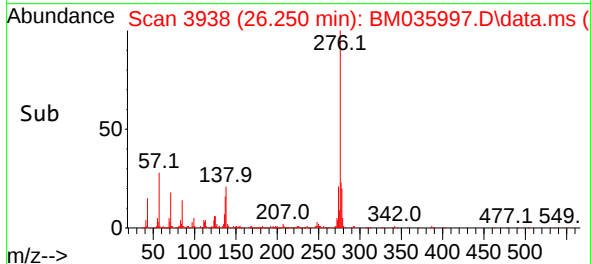
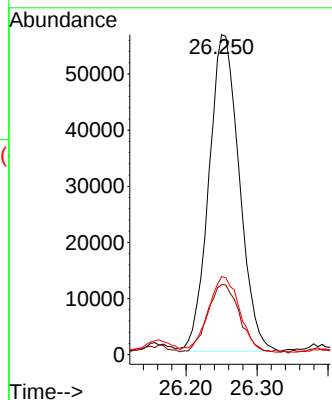
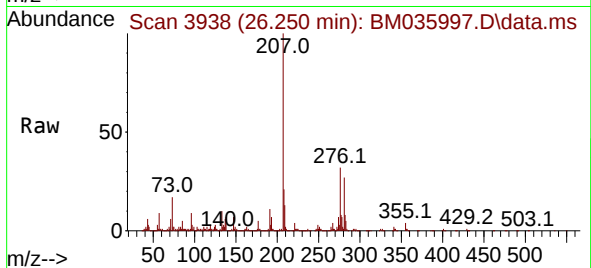
Tgt Ion:276 Resp: 167688

Ion Ratio Lower Upper

276 100

138 21.9 25.6 38.4#

277 24.4 20.1 30.1



#96

Benzo(g,h,i)perylene

Concen: 1.723 ng/ul

RT: 27.009 min Scan# 4067

Delta R.T. -0.023 min

Lab File: BM035997.D

Acq: 29 Jul 2022 17:53

Tgt Ion:276 Resp: 121994

Ion Ratio Lower Upper

276 100

138 22.9 21.3 31.9

277 25.1 18.6 28.0

