

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122022\  
 Data File : BM038161.D  
 Acq On : 21 Dec 2022 07:55  
 Operator : CG/JU  
 Sample : N6008-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 21 23:29:33 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 21 00:11:56 2022  
 Response via : Initial Calibration

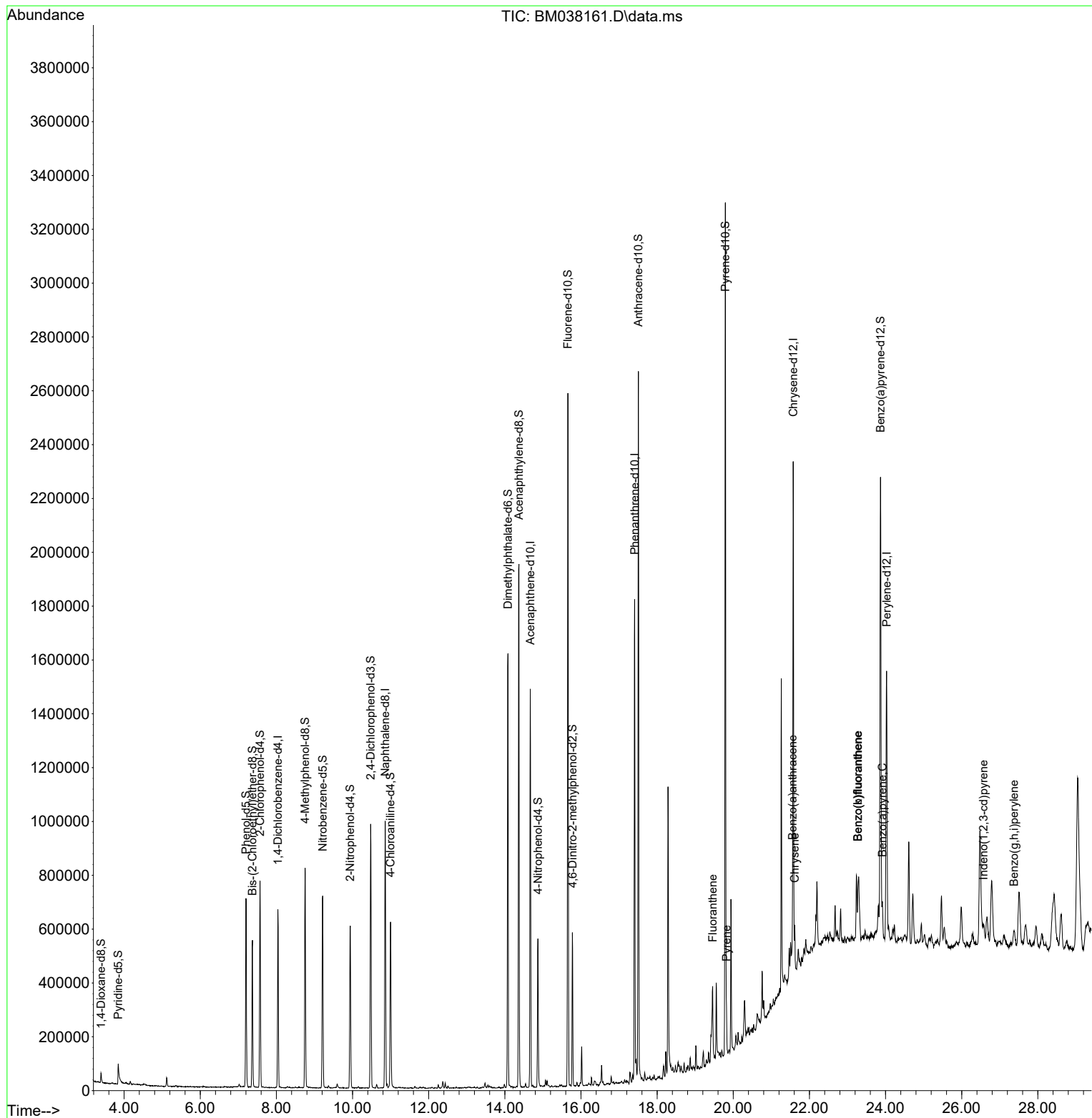
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.039  | 152  | 181372   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.857 | 136  | 788503   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.668 | 164  | 495879   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.409 | 188  | 1046665  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.574 | 240  | 813866   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.027 | 264  | 746373   | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.393  | 96   | 18386    | 4.603  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 52808    | 4.456  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.198  | 99   | 385673   | 26.168 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.369  | 67   | 224633   | 25.030 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.569  | 132  | 348353   | 28.812 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.751  | 113  | 298797   | 25.972 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.216  | 128  | 179041   | 28.679 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.939  | 143  | 202690   | 30.981 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.475 | 165  | 367890   | 29.605 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.998 | 131  | 333751   | 19.457 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.080 | 166  | 1089499  | 30.818 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.368 | 160  | 1288165  | 29.813 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.868 | 143  | 134850   | 22.382 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.657 | 176  | 966460   | 30.684 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.774 | 200  | 118980   | 21.262 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.509 | 188  | 1461262  | 29.914 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1627789  | 33.296 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.868 | 264  | 1146396  | 30.751 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 80) Fluoranthene              | 19.456 | 202  | 111221   | 1.928  | ng/ul  | 97       |
| 82) Pyrene                    | 19.821 | 202  | 97876    | 1.630  | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.556 | 228  | 81339    | 1.484  | ng/ul  | 99       |
| 87) Chrysene                  | 21.615 | 228  | 100440   | 1.954  | ng/ul  | 99       |
| 90) Benzo(b)fluoranthene      | 23.274 | 252  | 154924   | 3.348  | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.274 | 252  | 154924   | 3.455  | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.915 | 252  | 98334    | 2.417  | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.574 | 276  | 75475    | 1.440  | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 27.373 | 276  | 75143    | 1.796  | ng/ul  | 94       |
| -----                         |        |      |          |        |        |          |

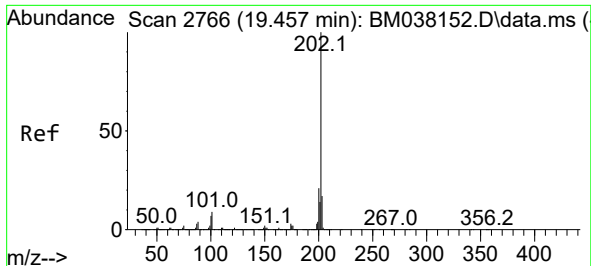
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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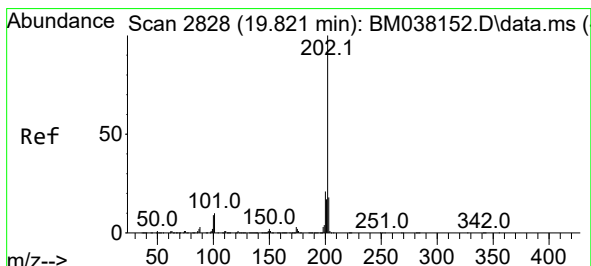
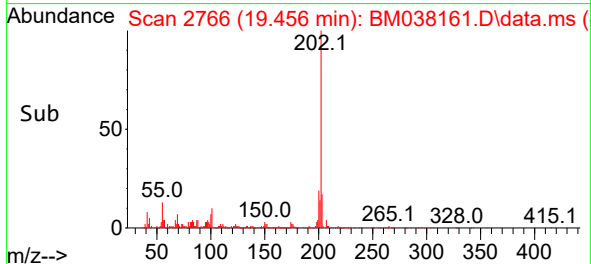
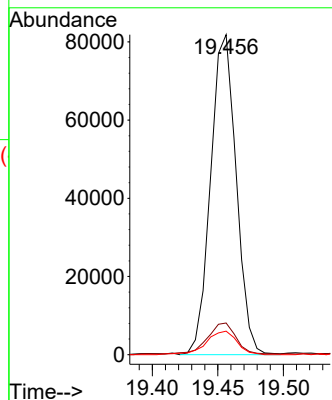
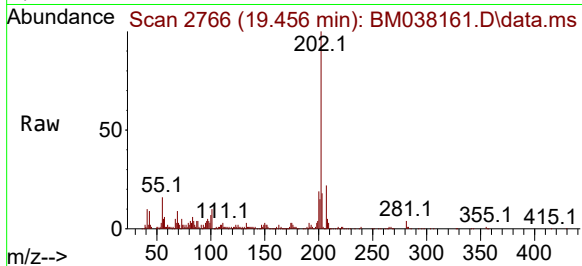




#80  
 Fluoranthene  
 Concen: 1.928 ng/ul  
 RT: 19.456 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BM038161.D  
 Acq: 21 Dec 2022 07:55

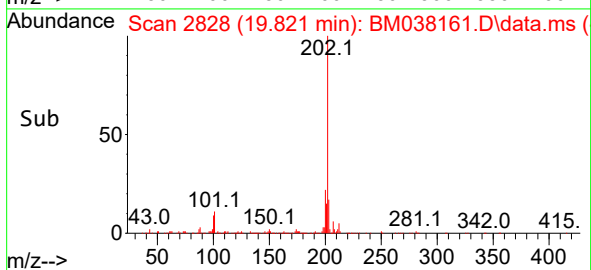
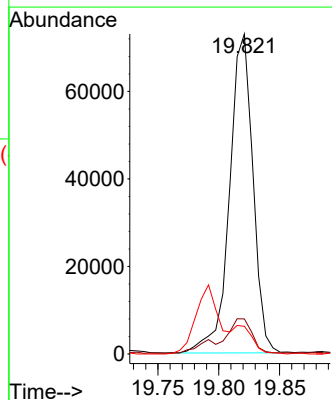
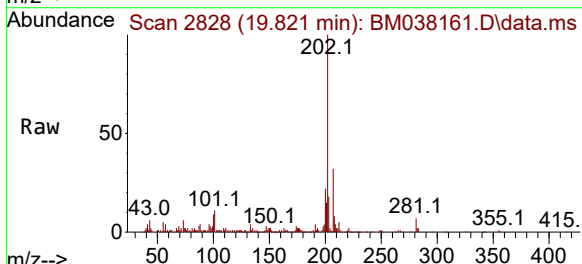
Instrument :  
 BNA\_M  
 ClientSampleId :

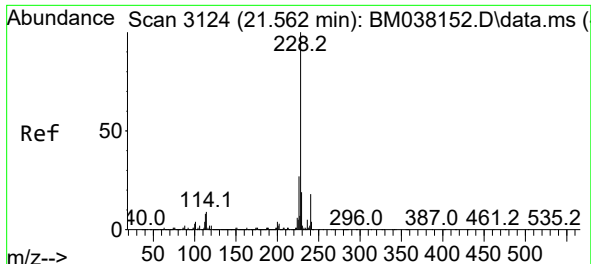
Tgt Ion:202 Resp: 111221  
 Ion Ratio Lower Upper  
 202 100  
 101 9.9 8.6 13.0  
 100 7.3 6.6 10.0



#82  
 Pyrene  
 Concen: 1.630 ng/ul  
 RT: 19.821 min Scan# 2828  
 Delta R.T. -0.000 min  
 Lab File: BM038161.D  
 Acq: 21 Dec 2022 07:55

Tgt Ion:202 Resp: 97876  
 Ion Ratio Lower Upper  
 202 100  
 101 10.9 10.0 15.0  
 100 8.7 7.9 11.9

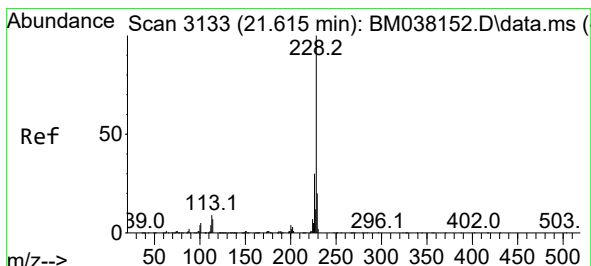
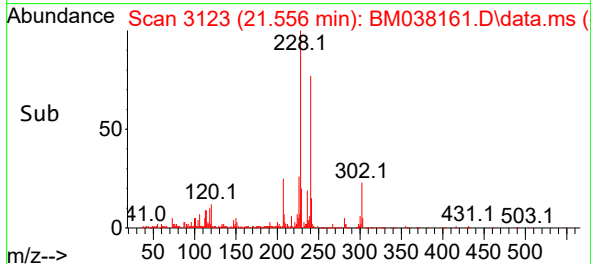
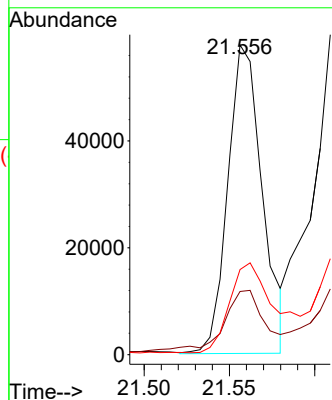
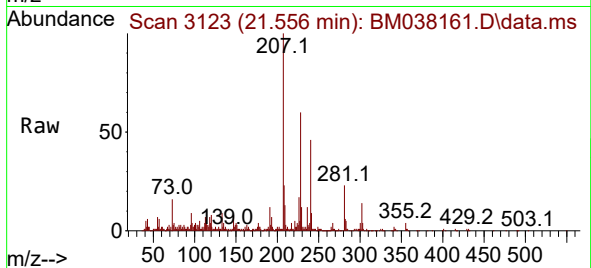




#85  
Benzo(a)anthracene  
Concen: 1.484 ng/ul  
RT: 21.556 min Scan# 3123  
Delta R.T. -0.006 min  
Lab File: BM038161.D  
Acq: 21 Dec 2022 07:55

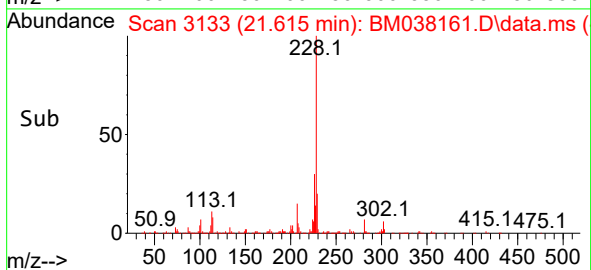
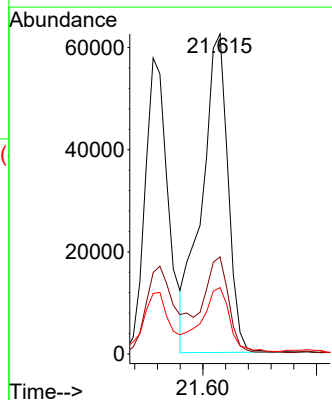
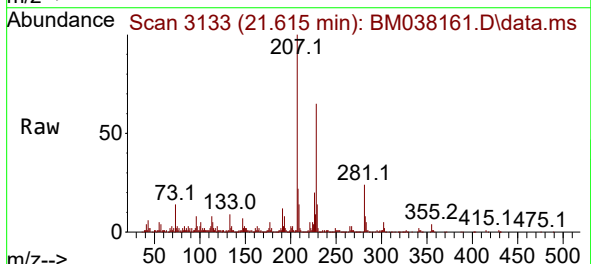
Instrument :  
BNA\_M  
ClientSampleId :

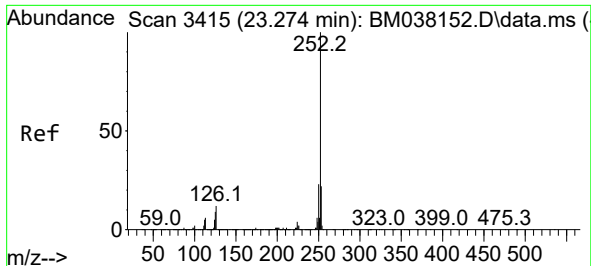
Tgt Ion:228 Resp: 81339  
Ion Ratio Lower Upper  
228 100  
229 20.4 15.5 23.3  
226 27.5 21.8 32.8



#87  
Chrysene  
Concen: 1.954 ng/ul  
RT: 21.615 min Scan# 3133  
Delta R.T. -0.000 min  
Lab File: BM038161.D  
Acq: 21 Dec 2022 07:55

Tgt Ion:228 Resp: 100440  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.3 36.5  
229 20.7 15.6 23.4

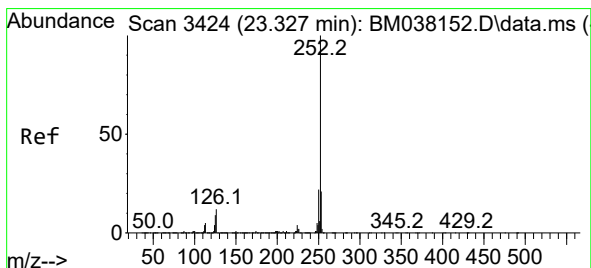
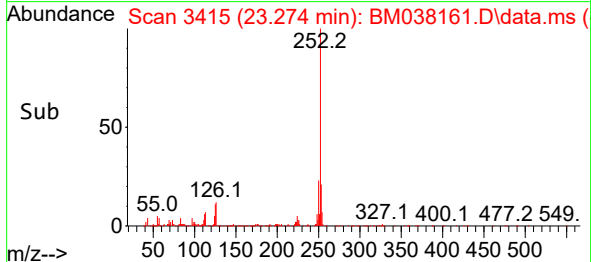
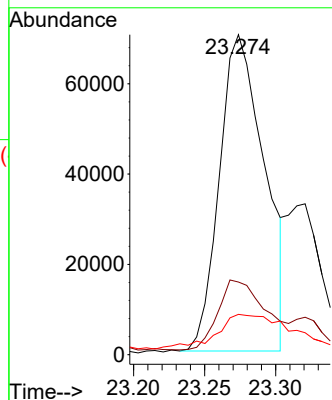
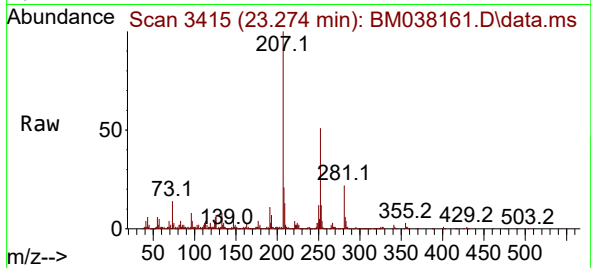




#90  
Benzo(b)fluoranthene  
Concen: 3.348 ng/ul  
RT: 23.274 min Scan# 3415  
Delta R.T. -0.000 min  
Lab File: BM038161.D  
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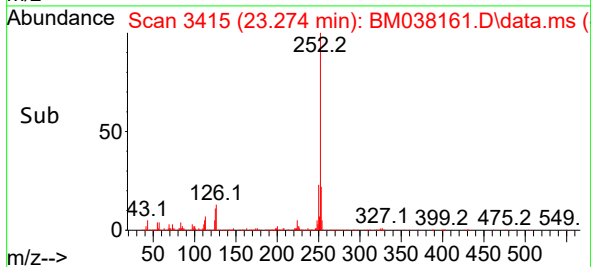
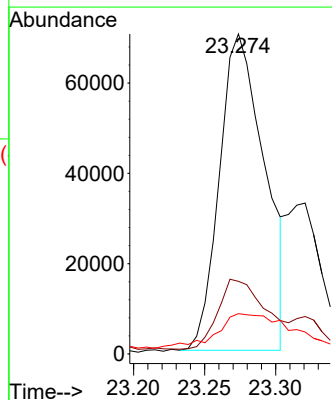
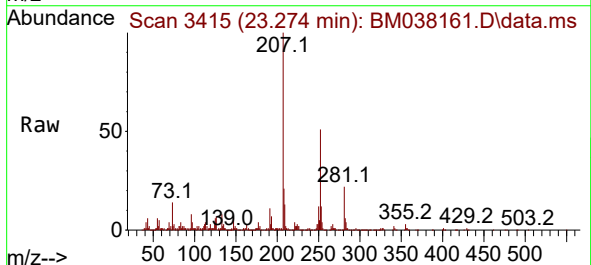
Instrument :  
BNA\_M  
ClientSampleId :

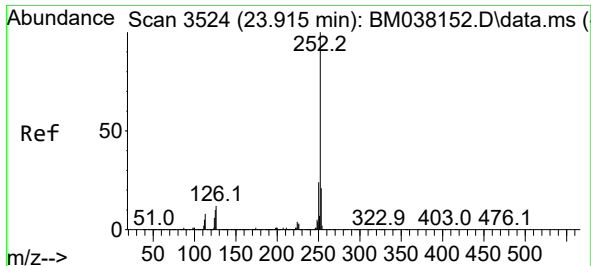
Tgt Ion:252 Resp: 154924  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.6 26.4  
125 12.6 8.0 12.0#



#91  
Benzo(k)fluoranthene  
Concen: 3.455 ng/ul  
RT: 23.274 min Scan# 3415  
Delta R.T. -0.053 min  
Lab File: BM038161.D  
Acq: 21 Dec 2022 07:55

Tgt Ion:252 Resp: 154924  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.4 26.2  
125 12.6 8.1 12.1#

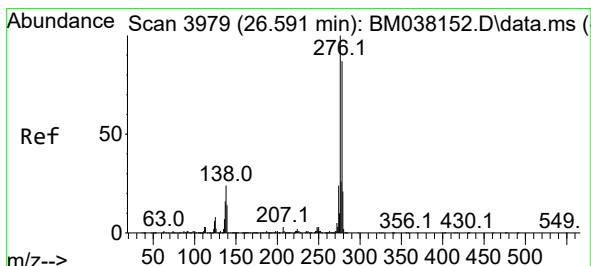
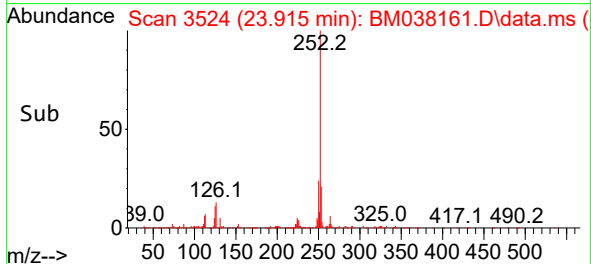
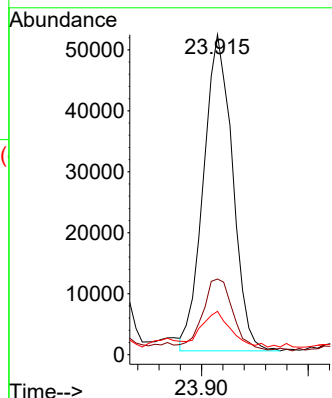
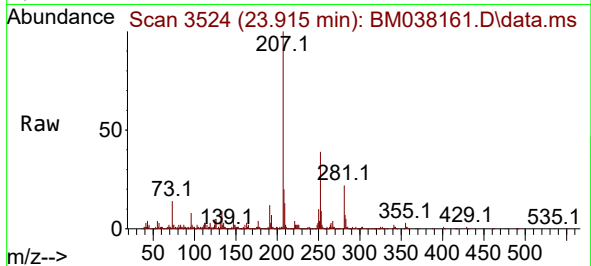




#93  
Benzo(a)pyrene  
Concen: 2.417 ng/ul  
RT: 23.915 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM038161.D  
Acq: 21 Dec 2022 07:55

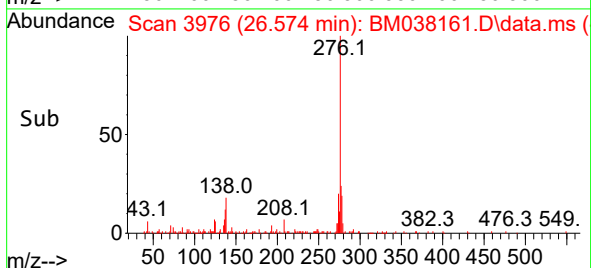
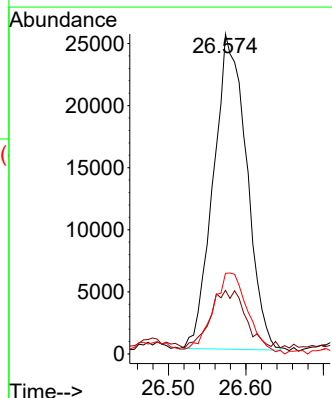
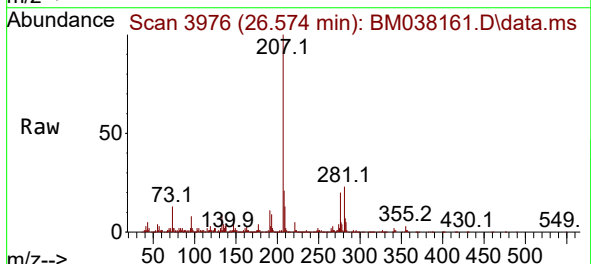
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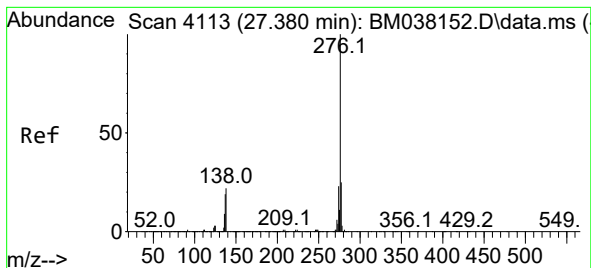
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.4  | 26.0  |
| 125     | 13.5  | 9.4   | 14.0  |



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.440 ng/ul  
RT: 26.574 min Scan# 3976  
Delta R.T. -0.018 min  
Lab File: BM038161.D  
Acq: 21 Dec 2022 07:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.9  | 19.3  | 28.9  |
| 277     | 25.2  | 19.8  | 29.8  |





#96

Benzo(g,h,i)perylene

Concen: 1.796 ng/ul

RT: 27.373 min Scan# 411

Delta R.T. -0.018 min

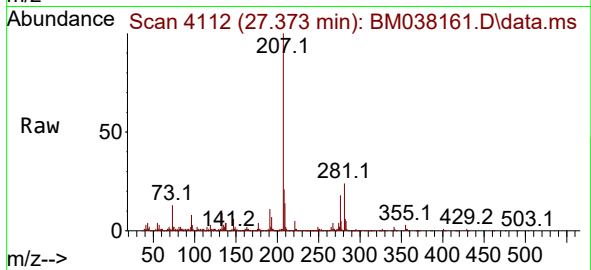
Lab File: BM038161.D

Acq: 21 Dec 2022 07:55

Instrument :

BNA\_M

ClientSampleId :



Tgt Ion:276 Resp: 75143

Ion Ratio Lower Upper

276 100

138 23.0 17.1 25.7

277 27.3 18.2 27.4

