

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121522\  
 Data File : BM038063.D  
 Acq On : 16 Dec 2022 12:39  
 Operator : CG/JU  
 Sample : N5925-06  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 16 23:20:04 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM121522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 15 21:53:17 2022  
 Response via : Initial Calibration

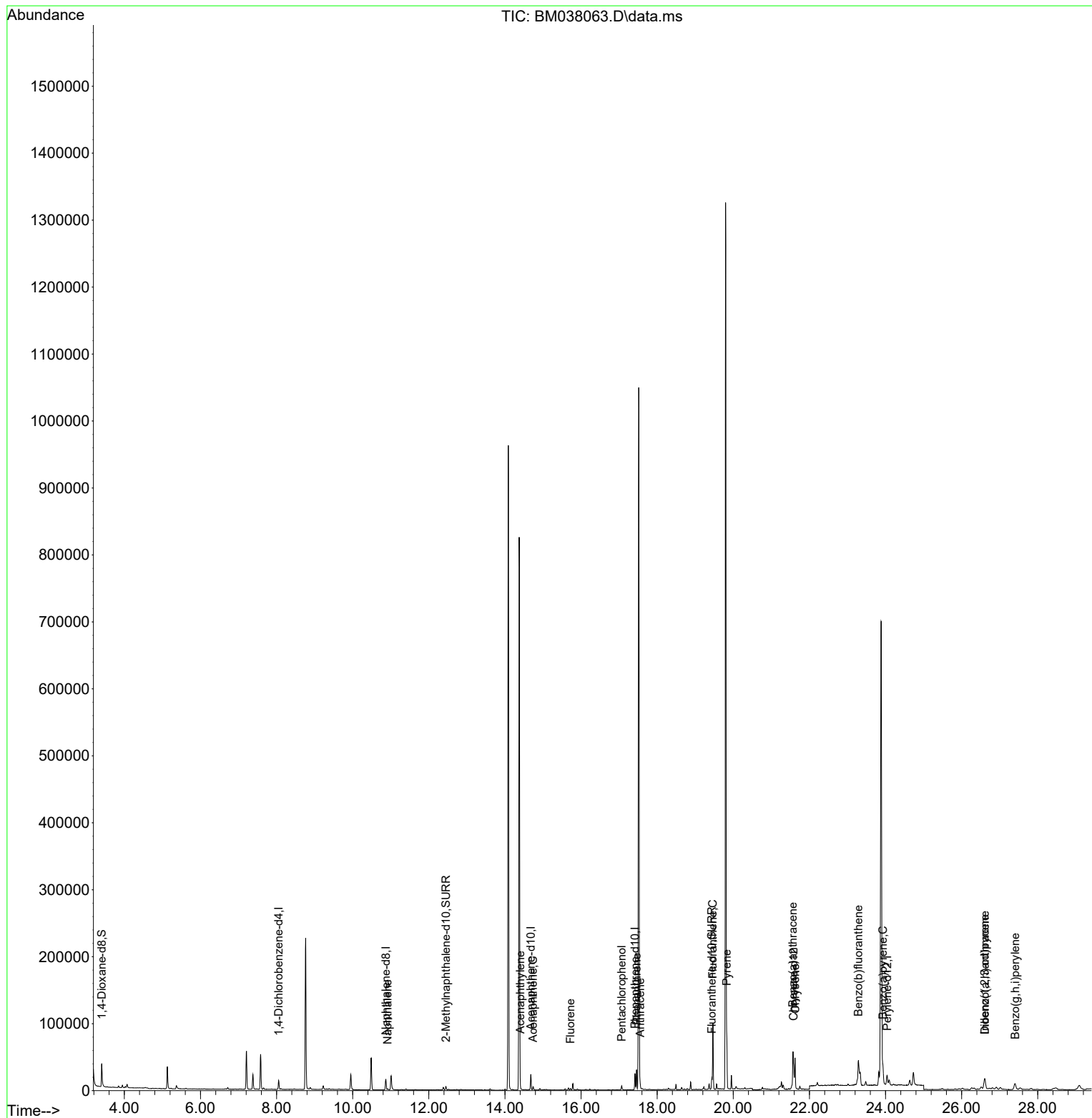
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.055  | 152  | 6676     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.873 | 136  | 21399    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.680 | 164  | 12161    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.417 | 188  | 26280    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.586 | 240  | 20923    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.041 | 264  | 20675    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.406  | 96   | 24541    | 2.689 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.451 | 152  | 6594     | 0.211 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.436 | 212  | 15317    | 0.202 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.917 | 128  | 1703     | 0.026 | ng/ul# | 86       |
| 10) Acenaphthylene          | 14.402 | 152  | 1604     | 0.025 | ng/ul# | 78       |
| 11) Acenaphthene            | 14.740 | 153  | 2584     | 0.053 | ng/ul  | 96       |
| 12) Fluorene                | 15.721 | 166  | 1391     | 0.026 | ng/ul# | 96       |
| 14) Pentachlorophenol       | 17.067 | 266  | 4277     | 0.393 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.460 | 178  | 29552    | 0.334 | ng/ul  | 100      |
| 16) Anthracene              | 17.552 | 178  | 8486     | 0.104 | ng/ul  | 94       |
| 19) Fluoranthene            | 19.464 | 202  | 78376    | 0.725 | ng/ul  | 100      |
| 20) Pyrene                  | 19.826 | 202  | 62681    | 0.568 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.568 | 228  | 42709    | 0.472 | ng/ul# | 96       |
| 22) Chrysene                | 21.624 | 228  | 43321    | 0.475 | ng/ul# | 95       |
| 24) Benzo(b)fluoranthene    | 23.287 | 252  | 64330    | 0.656 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.930 | 252  | 37760    | 0.457 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.609 | 276  | 27932    | 0.269 | ng/ul# | 84       |
| 28) Dibenzo(a,h)anthracene  | 26.612 | 278  | 7370     | 0.091 | ng/ul# | 74       |
| 29) Benzo(g,h,i)perylene    | 27.407 | 276  | 20887    | 0.237 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

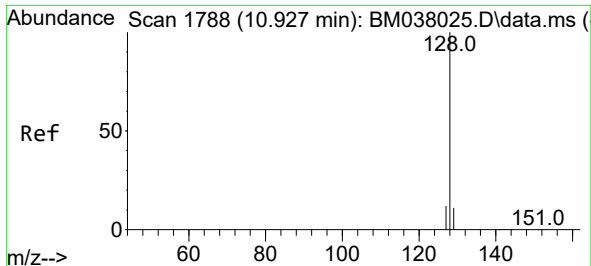
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121522\  
Data File : BM038063.D  
Acq On : 16 Dec 2022 12:39  
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Sample : N5925-06  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Dec 16 23:20:04 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM121522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 15 21:53:17 2022  
Response via : Initial Calibration

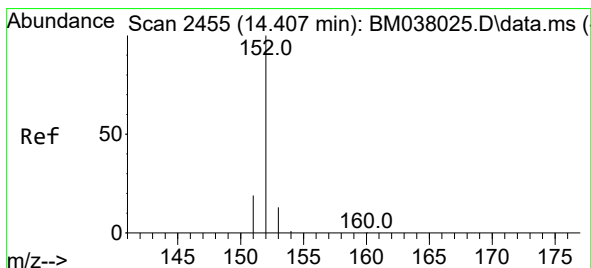
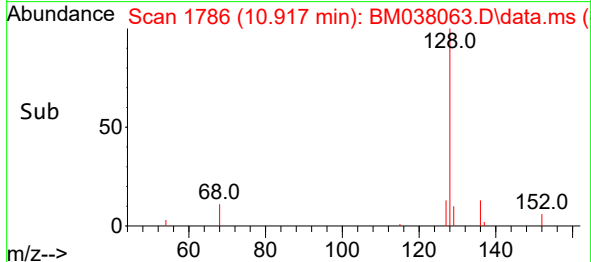
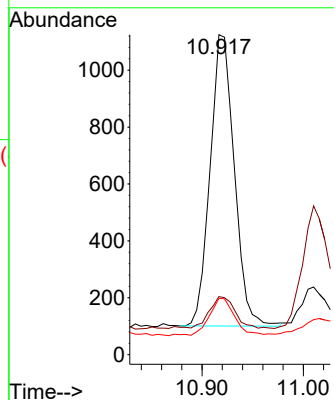
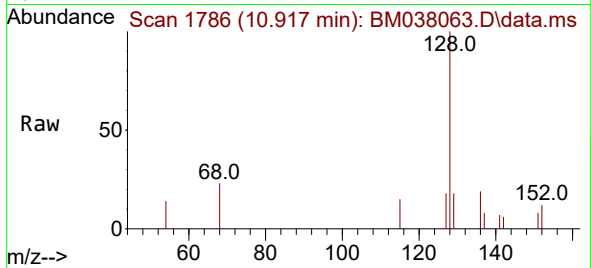




#5  
Naphthalene  
Concen: 0.026 ng/ul  
RT: 10.917 min Scan# 1786  
Delta R.T. -0.011 min  
Lab File: BM038063.D  
Acq: 16 Dec 2022 12:39

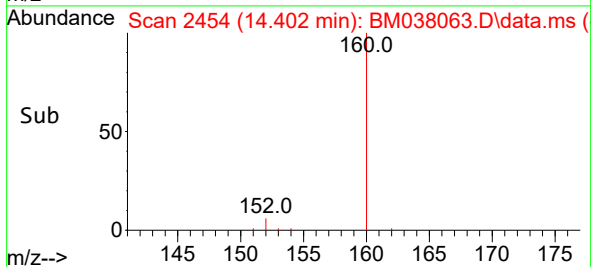
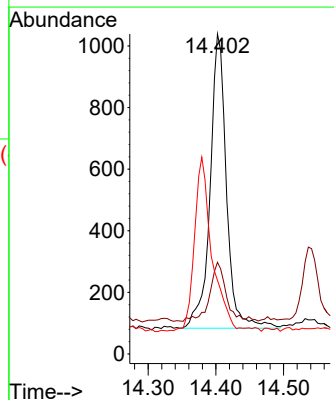
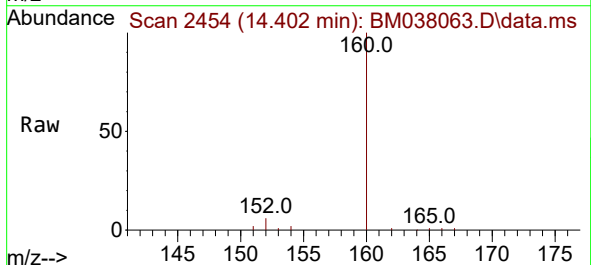
Instrument :  
BNA\_M  
ClientSampleId :

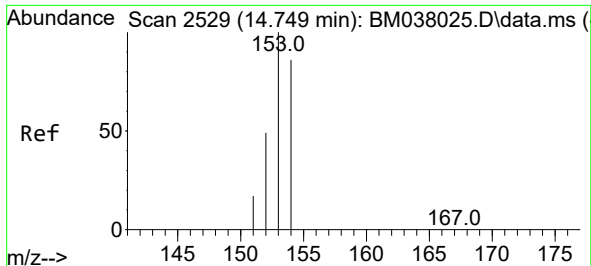
Tgt Ion:128 Resp: 1703  
Ion Ratio Lower Upper  
128 100  
129 18.1 9.1 13.7#  
127 17.6 10.4 15.6#



#10  
Acenaphthylene  
Concen: 0.025 ng/ul  
RT: 14.402 min Scan# 2454  
Delta R.T. -0.005 min  
Lab File: BM038063.D  
Acq: 16 Dec 2022 12:39

Tgt Ion:152 Resp: 1604  
Ion Ratio Lower Upper  
152 100  
151 28.7 15.5 23.3#  
153 23.0 11.0 16.4#

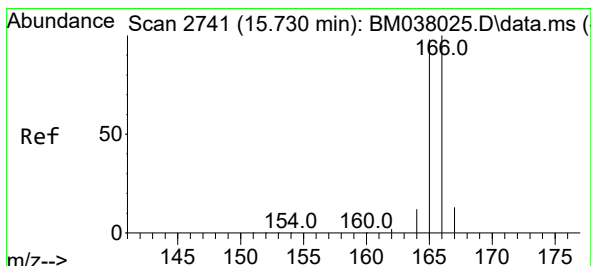
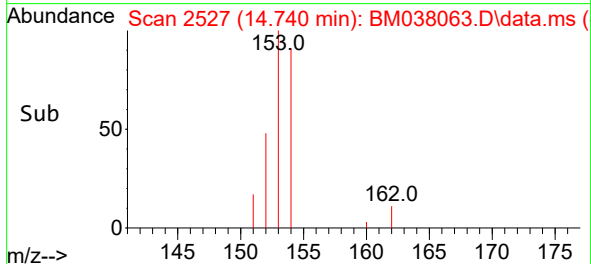
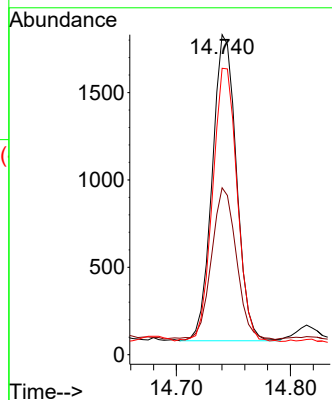
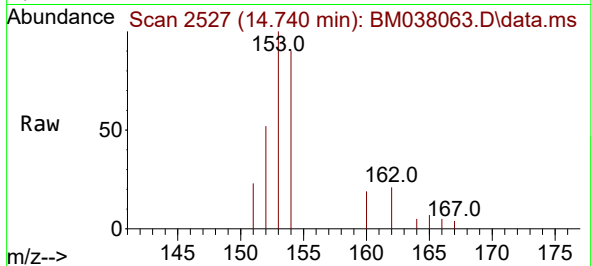




#11  
Acenaphthene  
Concen: 0.053 ng/ul  
RT: 14.740 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM038063.D  
Acq: 16 Dec 2022 12:39

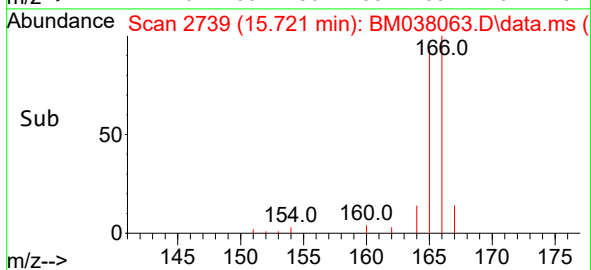
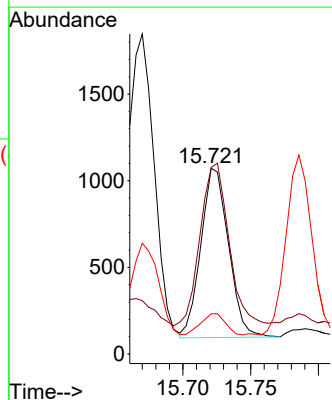
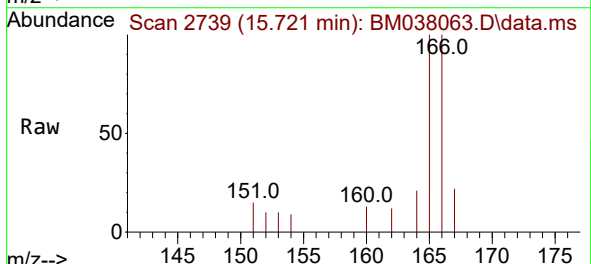
Instrument :  
BNA\_M  
ClientSampleId :

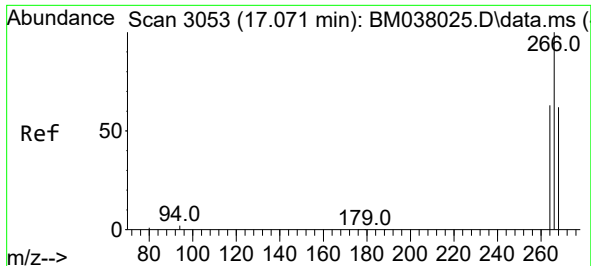
Tgt Ion:153 Resp: 2584  
Ion Ratio Lower Upper  
153 100  
152 52.2 39.5 59.3  
154 89.5 69.2 103.8



#12  
Fluorene  
Concen: 0.026 ng/ul  
RT: 15.721 min Scan# 2739  
Delta R.T. -0.009 min  
Lab File: BM038063.D  
Acq: 16 Dec 2022 12:39

Tgt Ion:166 Resp: 1391  
Ion Ratio Lower Upper  
166 100  
165 100.5 79.0 118.4  
167 21.6 11.1 16.7#

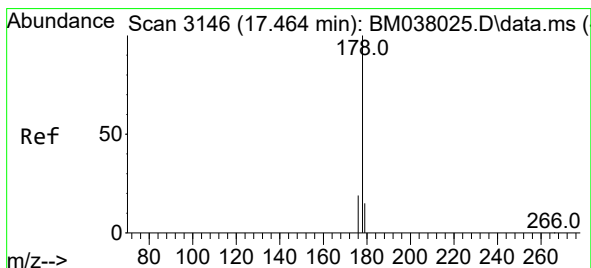
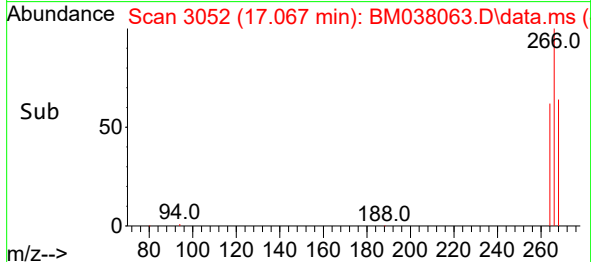
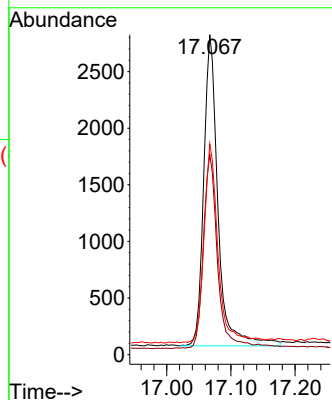
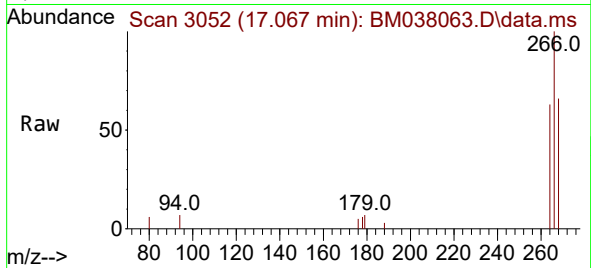




#14  
 Pentachlorophenol  
 Concen: 0.393 ng/ul  
 RT: 17.067 min Scan# 3053  
 Delta R.T. -0.004 min  
 Lab File: BM038063.D  
 Acq: 16 Dec 2022 12:39

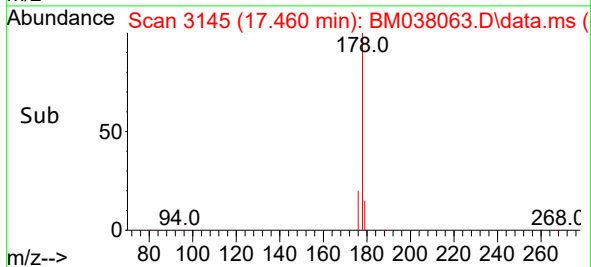
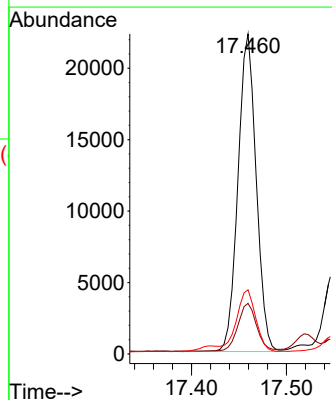
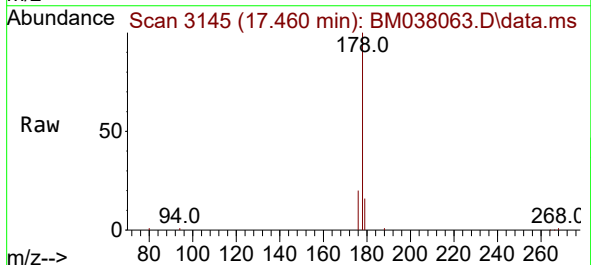
Instrument :  
 BNA\_M  
 ClientSampleId :

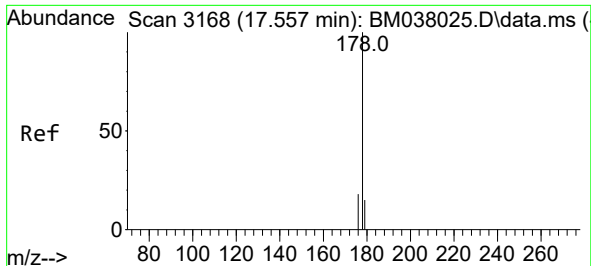
Tgt Ion:266 Resp: 4277  
 Ion Ratio Lower Upper  
 266 100  
 264 62.6 49.9 74.9  
 268 63.9 52.0 78.0



#15  
 Phenanthrene  
 Concen: 0.334 ng/ul  
 RT: 17.460 min Scan# 3145  
 Delta R.T. -0.004 min  
 Lab File: BM038063.D  
 Acq: 16 Dec 2022 12:39

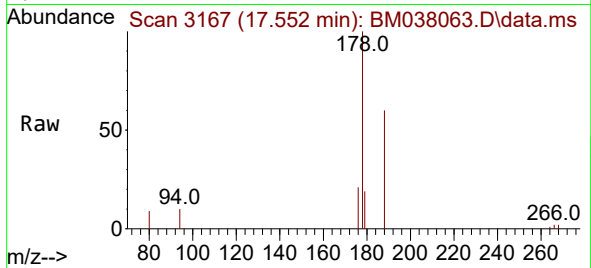
Tgt Ion:178 Resp: 29552  
 Ion Ratio Lower Upper  
 178 100  
 179 15.8 12.6 19.0  
 176 20.1 15.8 23.6



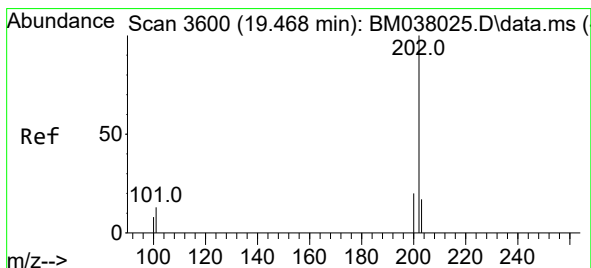
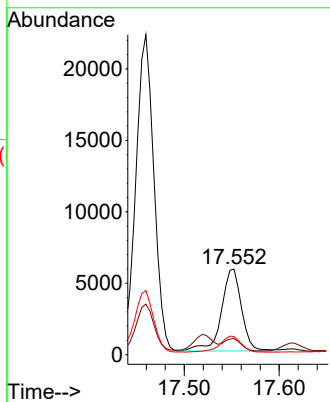
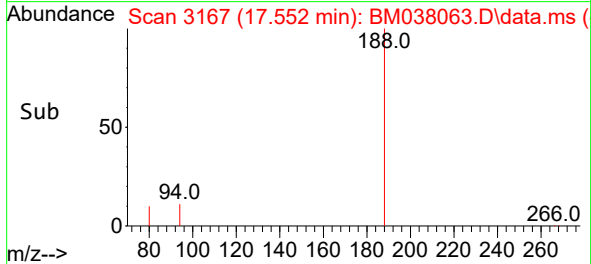


#16  
 Anthracene  
 Concen: 0.104 ng/ul  
 RT: 17.552 min Scan# 3167  
 Delta R.T. -0.004 min  
 Lab File: BM038063.D  
 Acq: 16 Dec 2022 12:39

Instrument :  
 BNA\_M  
 ClientSampleId :

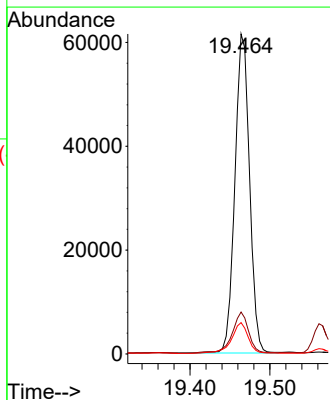
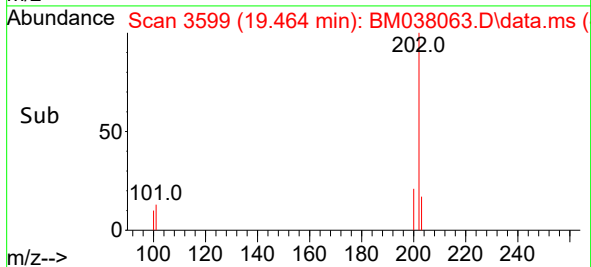
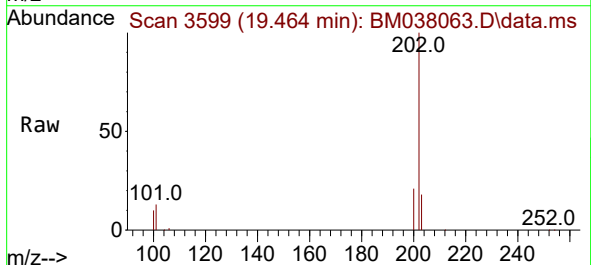


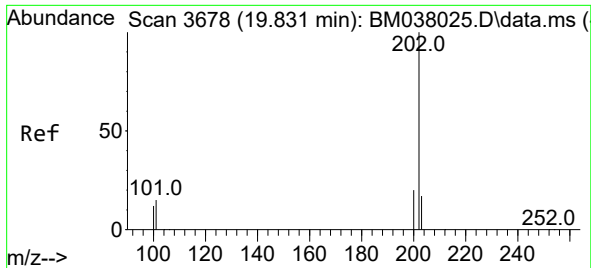
Tgt Ion:178 Resp: 8486  
 Ion Ratio Lower Upper  
 178 100  
 179 18.8 13.0 19.4  
 176 21.1 15.0 22.4



#19  
 Fluoranthene  
 Concen: 0.725 ng/ul  
 RT: 19.464 min Scan# 3599  
 Delta R.T. -0.005 min  
 Lab File: BM038063.D  
 Acq: 16 Dec 2022 12:39

Tgt Ion:202 Resp: 78376  
 Ion Ratio Lower Upper  
 202 100  
 101 13.1 10.6 15.8  
 100 9.8 7.9 11.9

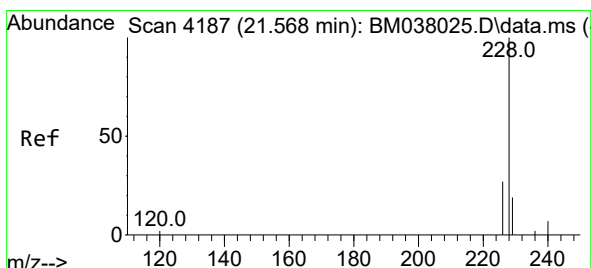
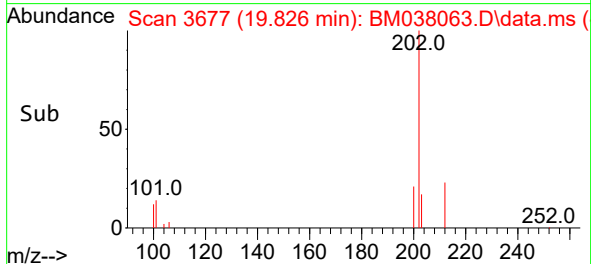
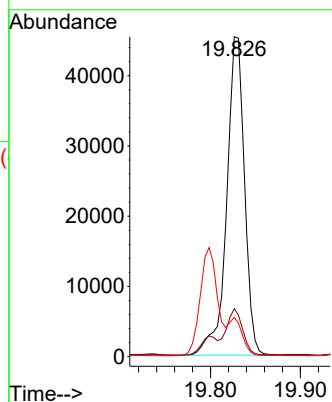
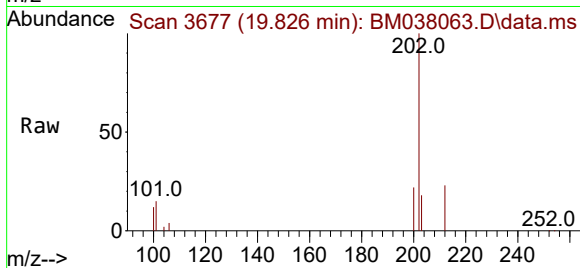




#20  
Pyrene  
Concen: 0.568 ng/ul  
RT: 19.826 min Scan# 30  
Delta R.T. -0.005 min  
Lab File: BM038063.D  
Acq: 16 Dec 2022 12:39

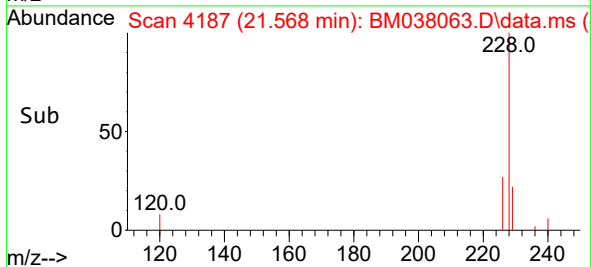
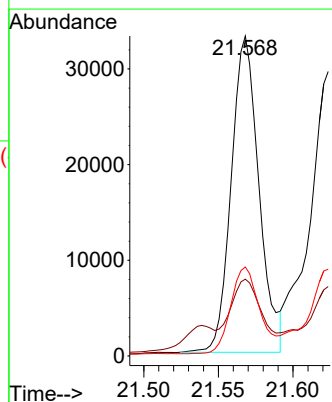
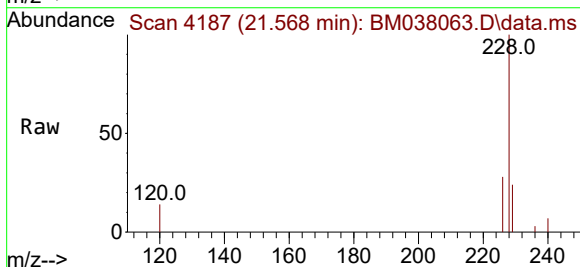
Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:202 Resp: 62681  
Ion Ratio Lower Upper  
202 100  
101 15.0 12.1 18.1  
100 12.3 9.8 14.6



#21  
Benzo(a)anthracene  
Concen: 0.472 ng/ul  
RT: 21.568 min Scan# 4187  
Delta R.T. 0.000 min  
Lab File: BM038063.D  
Acq: 16 Dec 2022 12:39

Tgt Ion:228 Resp: 42709  
Ion Ratio Lower Upper  
228 100  
229 24.0 15.9 23.9#  
226 27.8 22.1 33.1



#22

Chrysene

Concen: 0.475 ng/u1

RT: 21.624 min Scan# 4

Delta R.T. 0.000 min

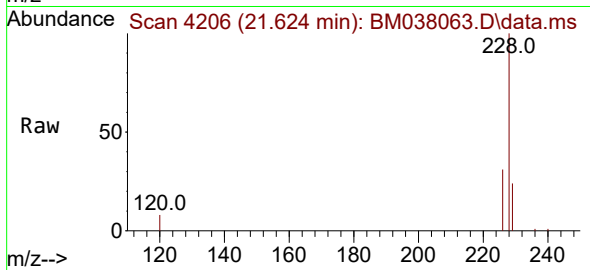
Lab File: BM038063.D

Acq: 16 Dec 2022 12:39

#### 4) Instrument :

BNA\_M

ClientSampleId :



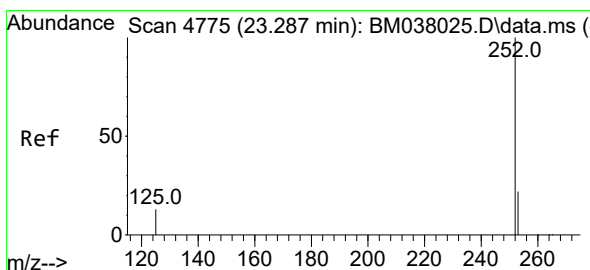
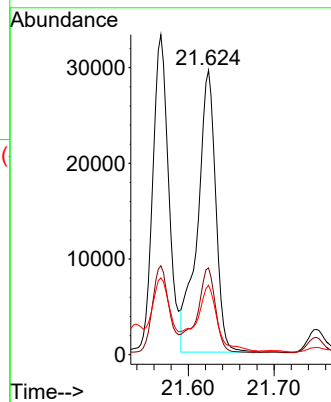
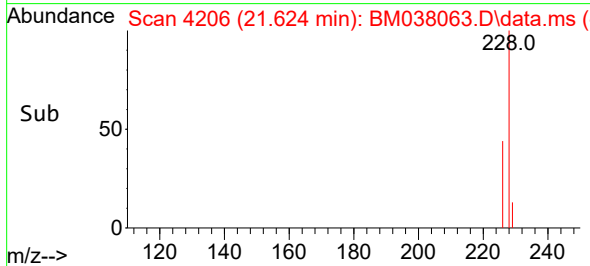
Tgt Ion:228 Resp: 43321

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

228 100

226      30.5      24.1      36.1

229      24.4      15.7      23.5#



#24

Benzo(b)fluoranthene

Concen: 0.656 ng/ul

RT: 23.287 min Scan# 4775

Delta R.T. 0.000 min

Lab File: BM038063.D

Acq: 16 Dec 2022 12:39

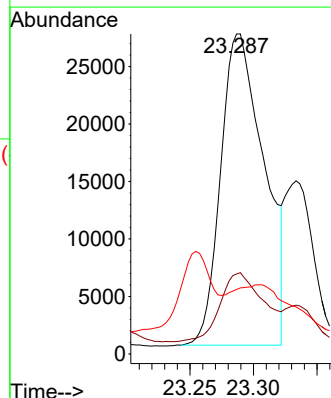
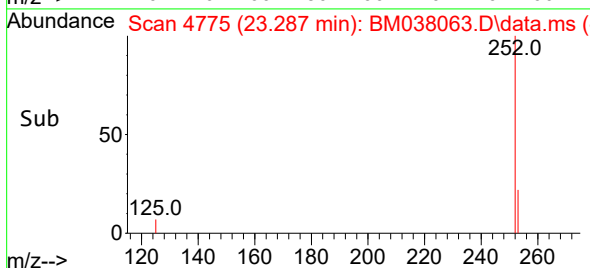
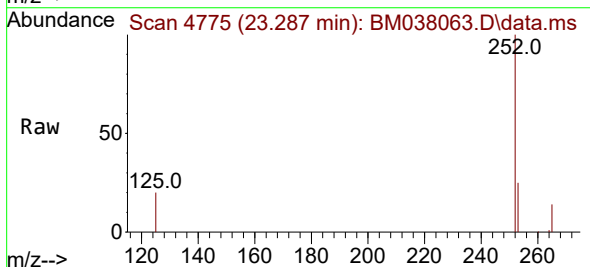
Tgt Ion:252 Resp: 64330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

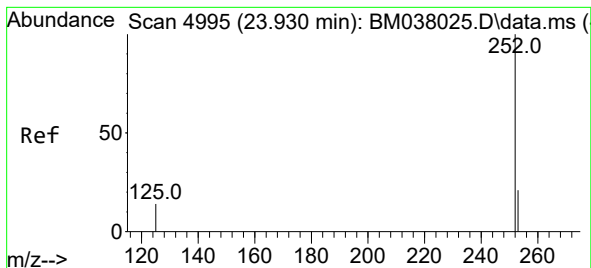
252 100

|     |      |     |      |
|-----|------|-----|------|
| 253 | 25.0 | 0.0 | 51.8 |
|-----|------|-----|------|

125      20.1      0.0      42.2







#26

Benzo(a)pyrene

Concen: 0.457 ng/ul

RT: 23.930 min Scan# 4995

Delta R.T. 0.000 min

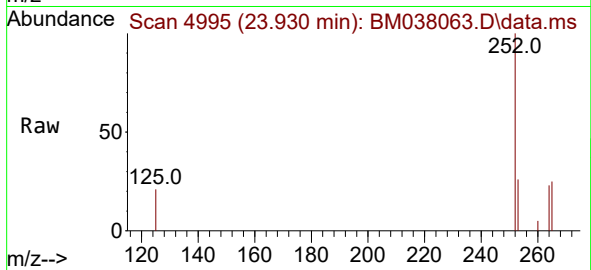
Lab File: BM038063.D

Acq: 16 Dec 2022 12:39

Instrument :

BNA\_M

ClientSampleId :



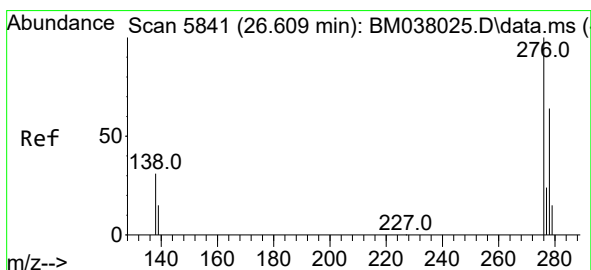
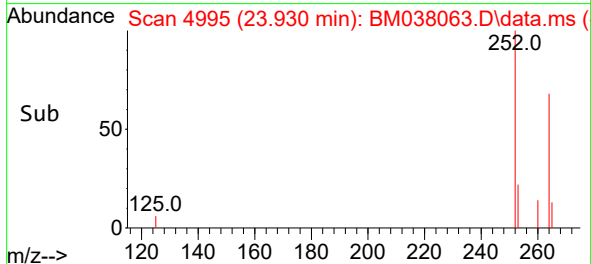
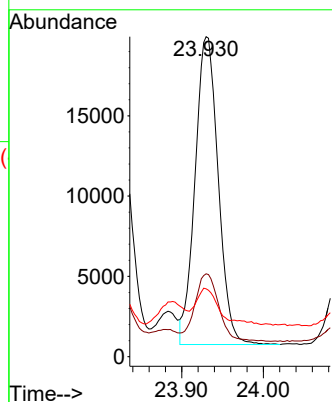
Tgt Ion:252 Resp: 37760

Ion Ratio Lower Upper

252 100

253 25.9 21.9 32.9

125 21.2 20.7 31.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.269 ng/ul

RT: 26.609 min Scan# 5841

Delta R.T. 0.000 min

Lab File: BM038063.D

Acq: 16 Dec 2022 12:39

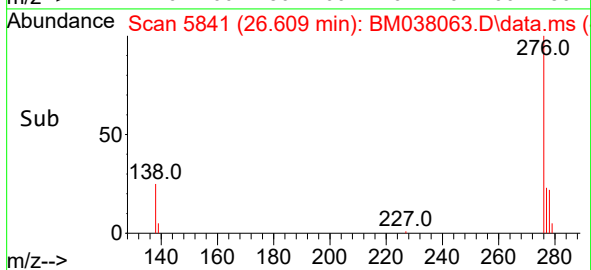
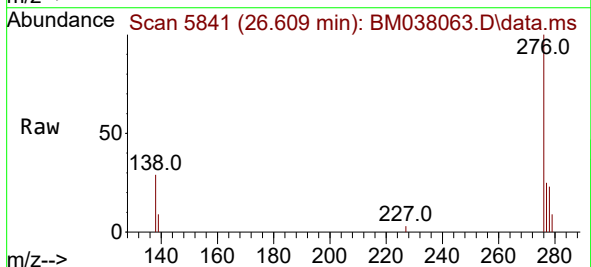
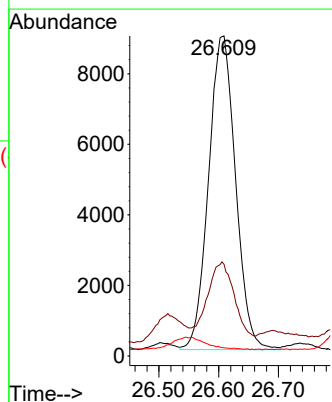
Tgt Ion:276 Resp: 27932

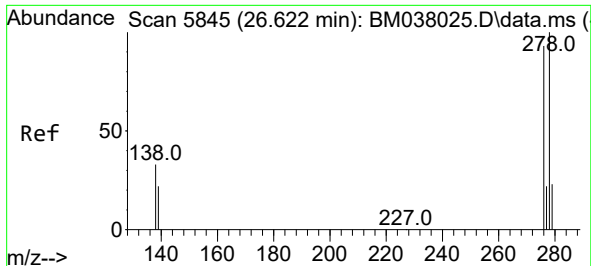
Ion Ratio Lower Upper

276 100

138 24.4 26.6 40.0#

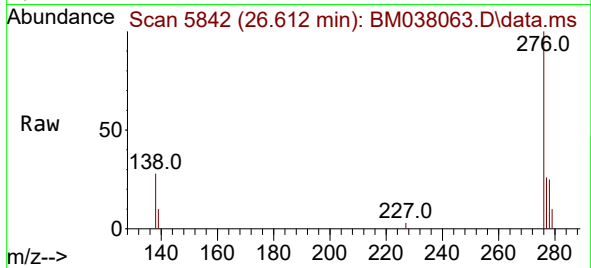
227 0.0 0.1 0.1#



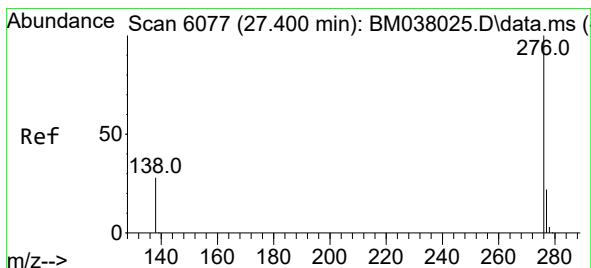
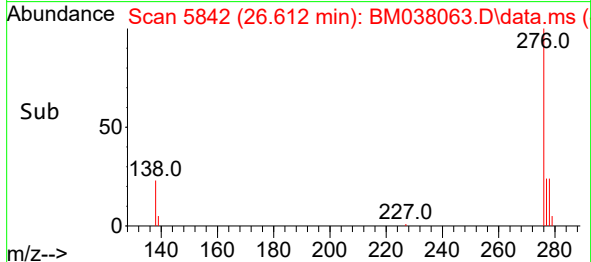
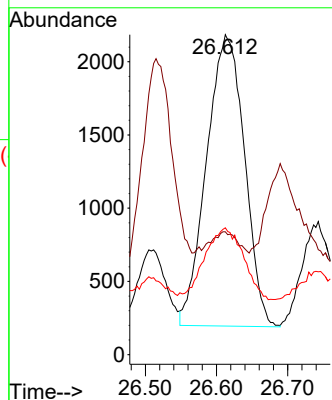


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.091 ng/ul  
 RT: 26.612 min Scan# 5842  
 Delta R.T. -0.010 min  
 Lab File: BM038063.D  
 Acq: 16 Dec 2022 12:39

Instrument :  
 BNA\_M  
 ClientSampleId :



Tgt Ion:278 Resp: 7370  
 Ion Ratio Lower Upper  
 278 100  
 139 38.4 19.0 28.6#  
 279 39.6 22.4 33.6#



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.237 ng/ul  
 RT: 27.407 min Scan# 6079  
 Delta R.T. 0.007 min  
 Lab File: BM038063.D  
 Acq: 16 Dec 2022 12:39

Tgt Ion:276 Resp: 20887  
 Ion Ratio Lower Upper  
 276 100  
 138 30.1 24.1 36.1  
 277 25.3 19.0 28.6

