

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060424\  
 Data File : BM045834.D  
 Acq On : 05 Jun 2024 03:06  
 Operator : MA/JU  
 Sample : P2589-20  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH6D4

Quant Time: Jun 05 03:38:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 31 13:01:11 2024  
 Response via : Initial Calibration

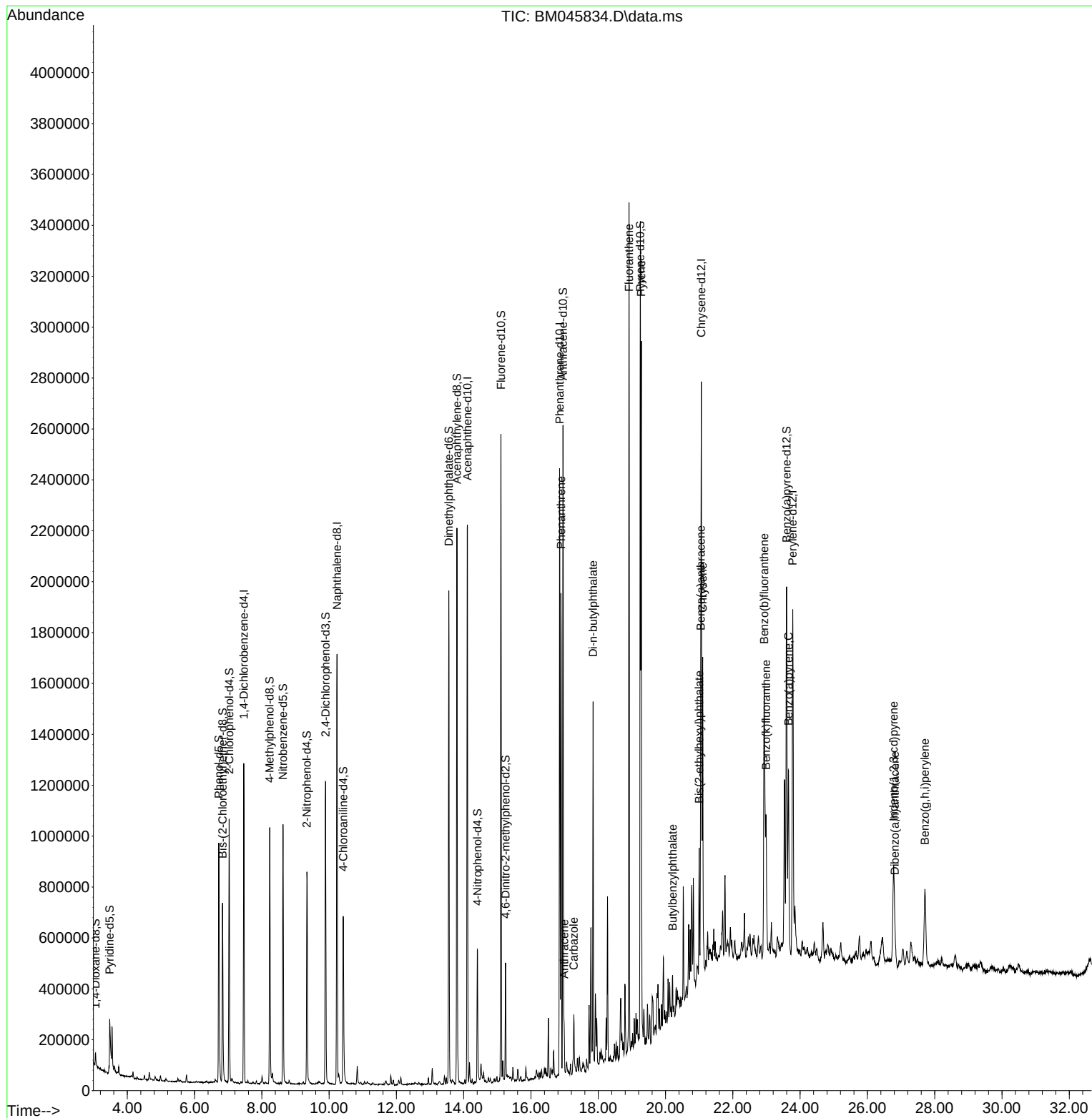
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.463  | 152  | 284865   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.233 | 136  | 1189176  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.110 | 164  | 705495   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.851 | 188  | 1235874  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.062 | 240  | 868051   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.780 | 264  | 978974   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.057  | 96   | 22692    | 3.088  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.475  | 84   | 162006   | 8.563  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.722  | 99   | 464930   | 19.212 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.834  | 67   | 346972   | 19.967 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.028  | 132  | 384002   | 21.243 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.234  | 113  | 332434   | 18.183 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.628  | 128  | 195290   | 21.004 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.339  | 143  | 203058   | 21.579 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.892  | 165  | 368072   | 20.859 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.416 | 131  | 349057   | 14.293 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.557 | 166  | 1116758  | 22.865 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.798 | 160  | 1239079  | 21.847 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.410 | 143  | 103850   | 9.852  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.110 | 176  | 917375   | 22.017 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.245 | 200  | 68275    | 10.818 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.951 | 188  | 1241048  | 23.099 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.251 | 212  | 1317771  | 24.411 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.597 | 264  | 1116502  | 24.402 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 16.892 | 178  | 1000074  | 15.357 | ng/u1  | 99       |
| 74) Anthracene                | 16.986 | 178  | 106734   | 1.641  | ng/u1  | 96       |
| 77) Carbazole                 | 17.274 | 167  | 119192   | 2.148  | ng/u1  | 96       |
| 78) Di-n-butylphthalate       | 17.845 | 149  | 824649   | 11.299 | ng/u1  | 99       |
| 80) Fluoranthene              | 18.915 | 202  | 1743014  | 26.634 | ng/u1  | 99       |
| 82) Pyrene                    | 19.280 | 202  | 1461811  | 21.741 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.209 | 149  | 36866    | 1.345  | ng/u1  | 92       |
| 85) Benzo(a)anthracene        | 21.045 | 228  | 497702   | 8.304  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 20.997 | 149  | 161370   | 3.964  | ng/u1  | 99       |
| 87) Chrysene                  | 21.103 | 228  | 735224   | 13.260 | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 22.933 | 252  | 981266   | 16.310 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 22.986 | 252  | 348618   | 5.933  | ng/u1  | 93       |
| 93) Benzo(a)pyrene            | 23.656 | 252  | 574614   | 10.869 | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.779 | 276  | 488417   | 8.460  | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.815 | 278  | 124245   | 2.721  | ng/u1  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.709 | 276  | 442857   | 8.709  | ng/u1  | 97       |
| -----                         |        |      |          |        |        |          |

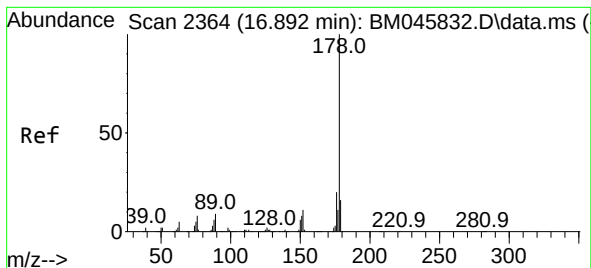
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060424\  
 Data File : BM045834.D  
 Acq On : 05 Jun 2024 03:06  
 Operator : MA/JU  
 Sample : P2589-20  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH6D4

Quant Time: Jun 05 03:38:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 31 13:01:11 2024  
 Response via : Initial Calibration





#72

Phenanthrene

Concen: 15.357 ng/ul

RT: 16.892 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045834.D

Acq: 05 Jun 2024 03:06

Instrument :

BNA\_M

ClientSampleId :

BH6D4

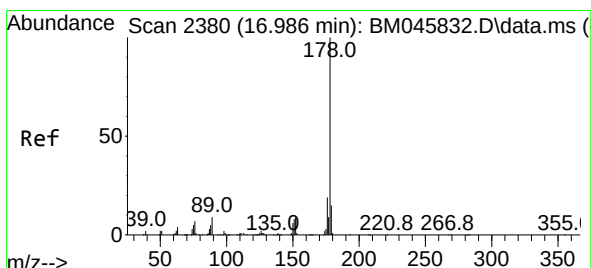
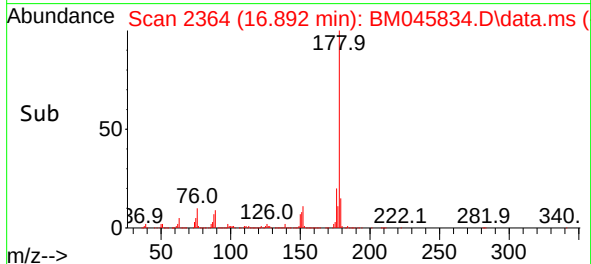
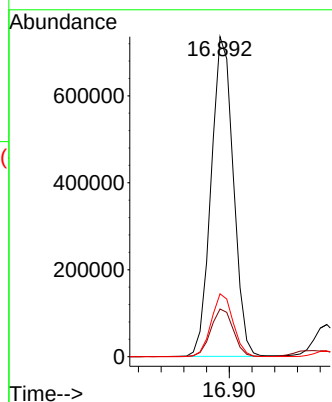
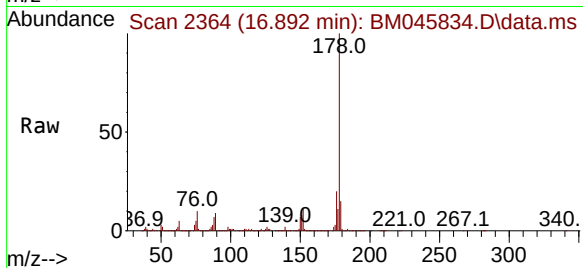
Tgt Ion:178 Resp: 1000074

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

176 19.7 15.3 22.9



#74

Anthracene

Concen: 1.641 ng/ul

RT: 16.986 min Scan# 2380

Delta R.T. -0.006 min

Lab File: BM045834.D

Acq: 05 Jun 2024 03:06

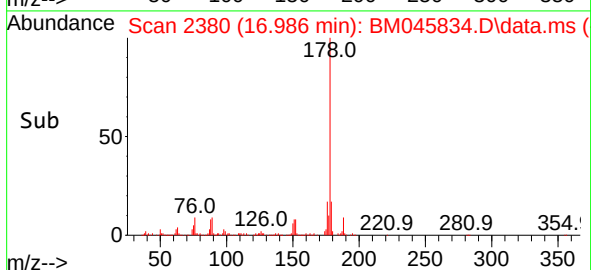
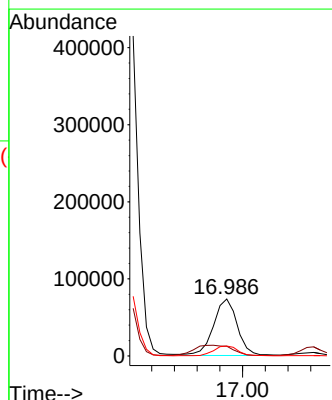
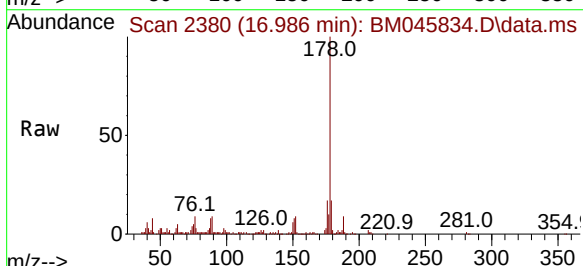
Tgt Ion:178 Resp: 106734

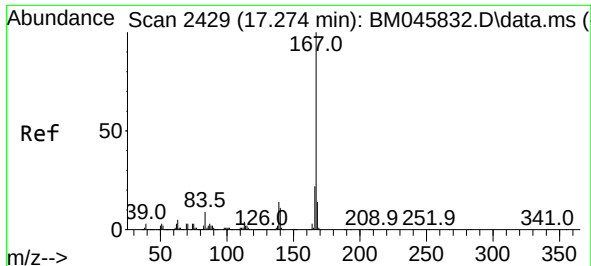
Ion Ratio Lower Upper

178 100

179 17.1 12.0 18.0

176 17.4 15.0 22.6

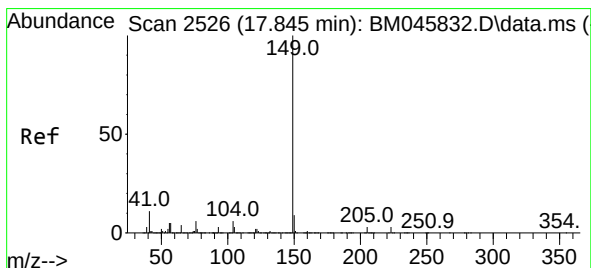
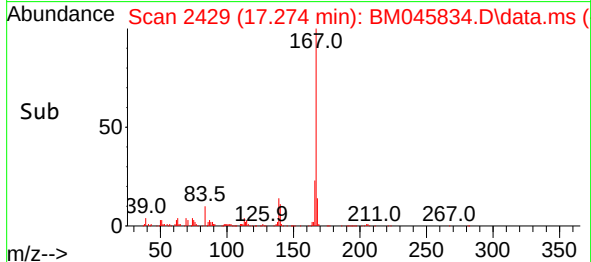
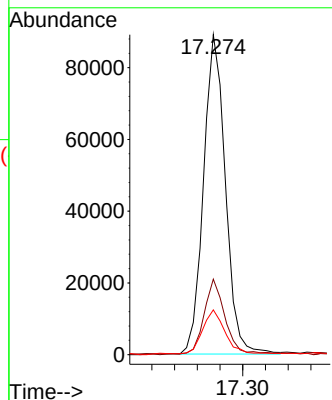
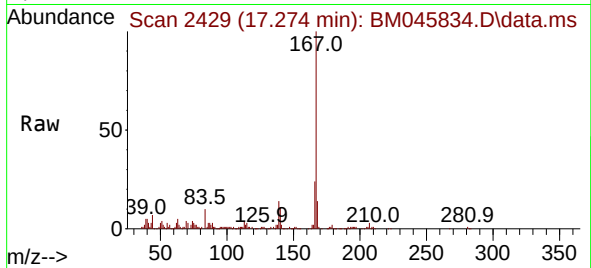




#77  
 Carbazole  
 Concen: 2.148 ng/ul  
 RT: 17.274 min Scan# 2429  
 Delta R.T. -0.006 min  
 Lab File: BM045834.D  
 Acq: 05 Jun 2024 03:06

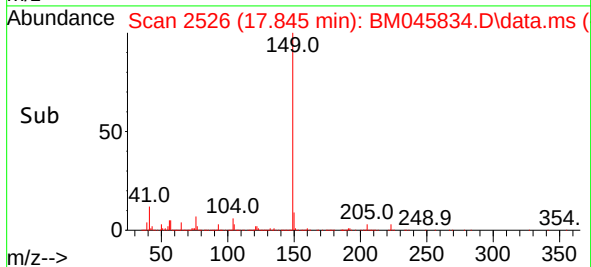
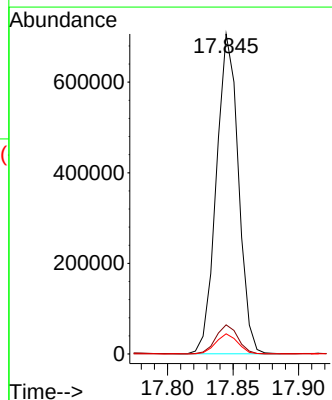
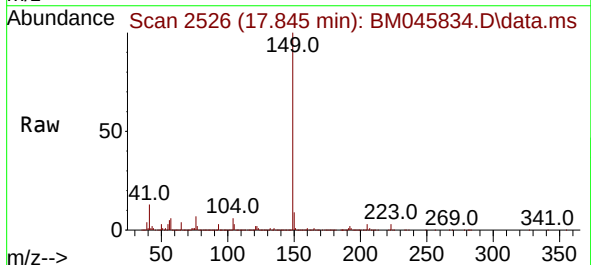
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH6D4

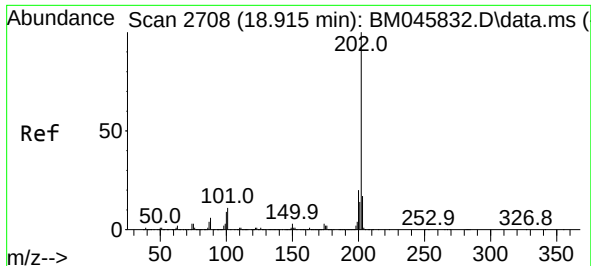
Tgt Ion:167 Resp: 119192  
 Ion Ratio Lower Upper  
 167 100  
 166 23.6 16.6 24.8  
 139 14.0 10.6 16.0



#78  
 Di-n-butylphthalate  
 Concen: 11.299 ng/ul  
 RT: 17.845 min Scan# 2526  
 Delta R.T. -0.006 min  
 Lab File: BM045834.D  
 Acq: 05 Jun 2024 03:06

Tgt Ion:149 Resp: 824649  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.1 10.7  
 104 6.3 4.9 7.3

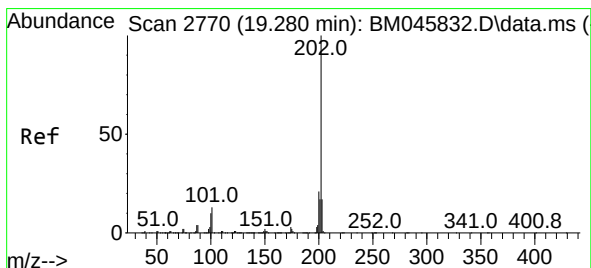
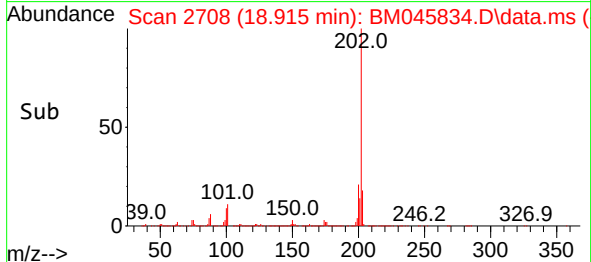
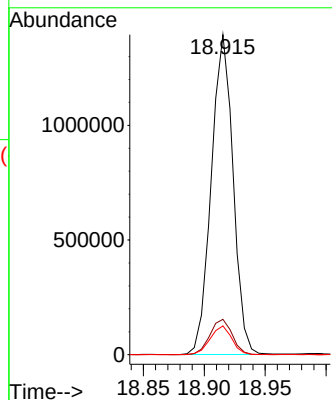
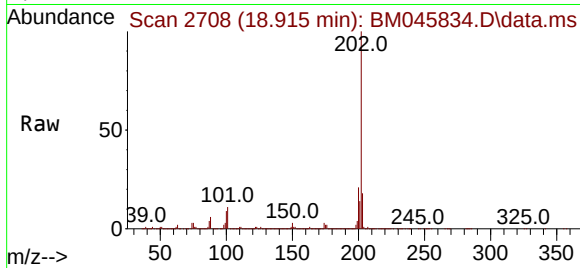




#80  
Fluoranthene  
Concen: 26.634 ng/ul  
RT: 18.915 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM045834.D  
Acq: 05 Jun 2024 03:06

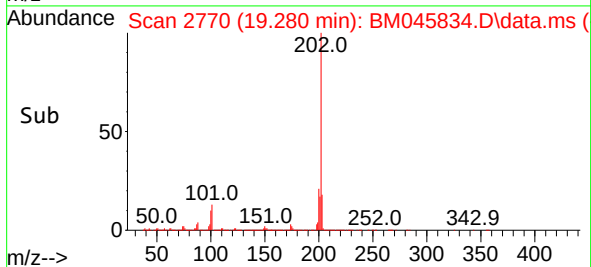
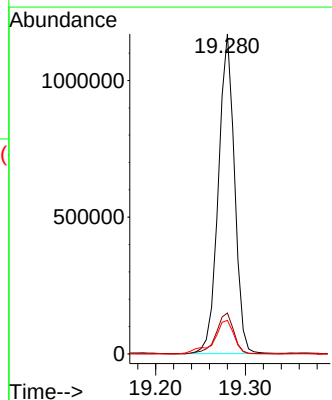
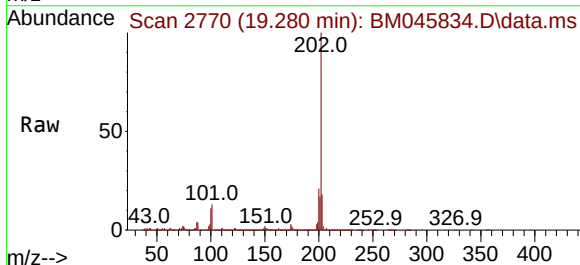
Instrument :  
BNA\_M  
ClientSampleId :  
BH6D4

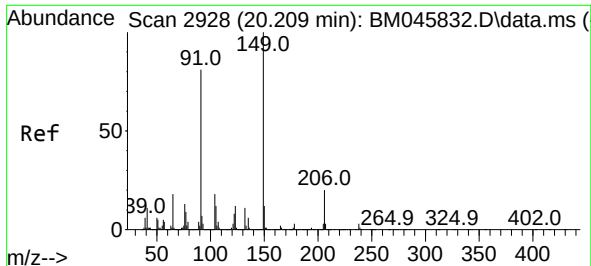
Tgt Ion:202 Resp: 1743014  
Ion Ratio Lower Upper  
202 100  
101 11.0 8.9 13.3  
100 9.0 6.6 10.0



#82  
Pyrene  
Concen: 21.741 ng/ul  
RT: 19.280 min Scan# 2770  
Delta R.T. -0.006 min  
Lab File: BM045834.D  
Acq: 05 Jun 2024 03:06

Tgt Ion:202 Resp: 1461811  
Ion Ratio Lower Upper  
202 100  
101 12.8 10.5 15.7  
100 10.5 8.6 12.8

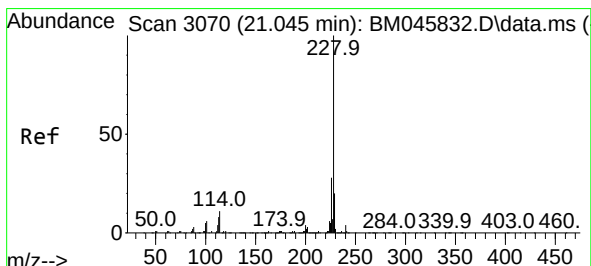
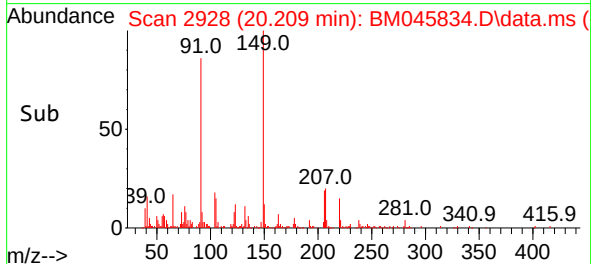
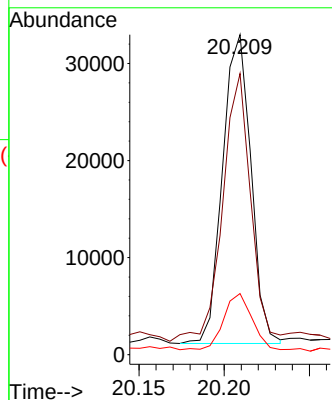
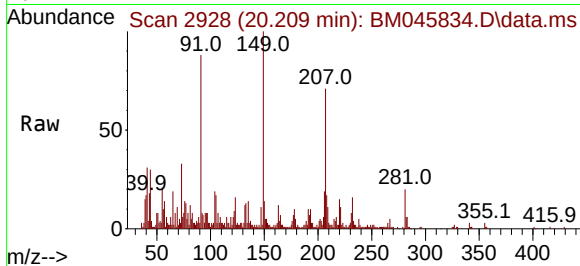




#83  
Butylbenzylphthalate  
Concen: 1.345 ng/ul  
RT: 20.209 min Scan# 2928  
Delta R.T. -0.006 min  
Lab File: BM045834.D  
Acq: 05 Jun 2024 03:06

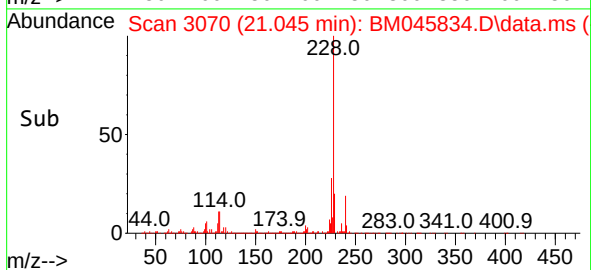
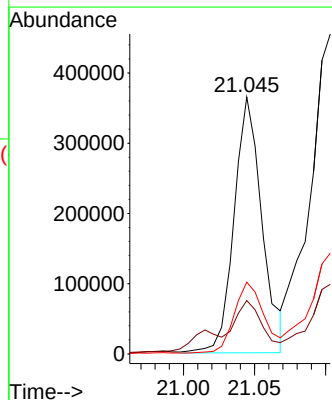
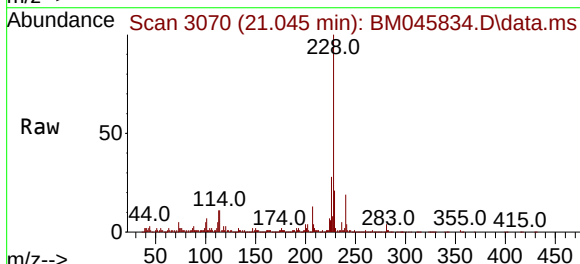
Instrument :  
BNA\_M  
ClientSampleId :  
BH6D4

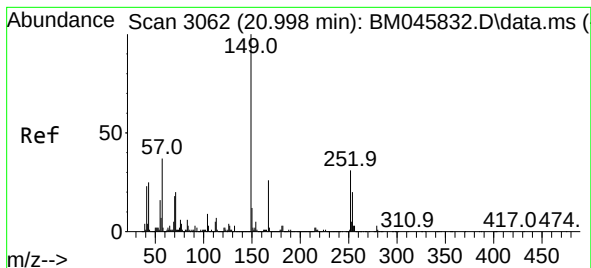
Tgt Ion:149 Resp: 36866  
Ion Ratio Lower Upper  
149 100  
91 87.8 63.7 95.5  
206 19.1 15.9 23.9



#85  
Benzo(a)anthracene  
Concen: 8.304 ng/ul  
RT: 21.045 min Scan# 3070  
Delta R.T. -0.006 min  
Lab File: BM045834.D  
Acq: 05 Jun 2024 03:06

Tgt Ion:228 Resp: 497702  
Ion Ratio Lower Upper  
228 100  
229 20.8 15.8 23.8  
226 28.0 21.4 32.0

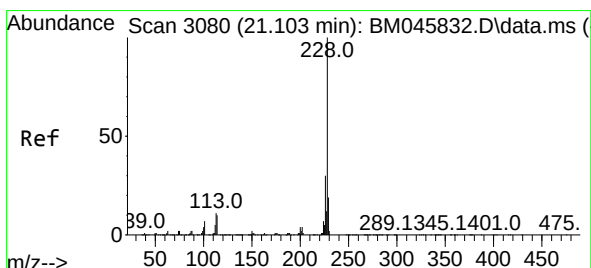
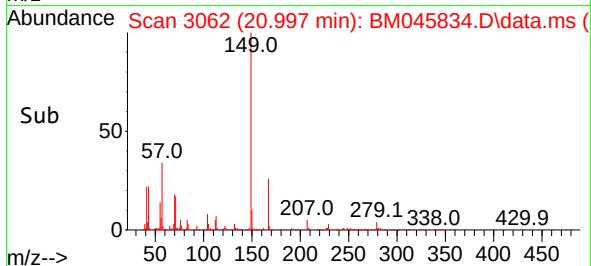
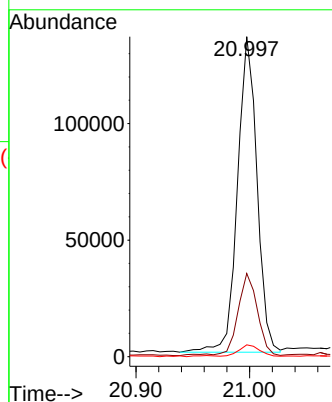
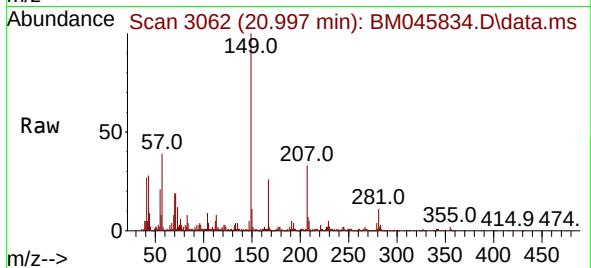




#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.964 ng/ul  
 RT: 20.997 min Scan# 3062  
 Delta R.T. -0.012 min  
 Lab File: BM045834.D  
 Acq: 05 Jun 2024 03:06

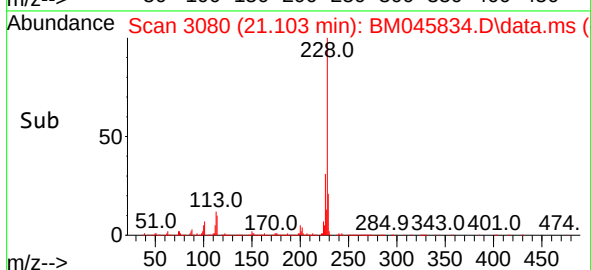
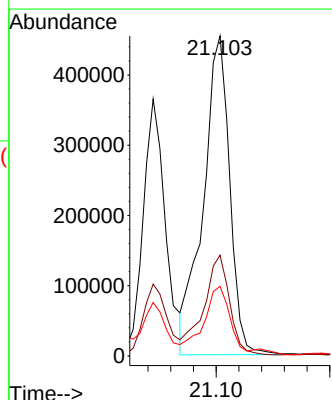
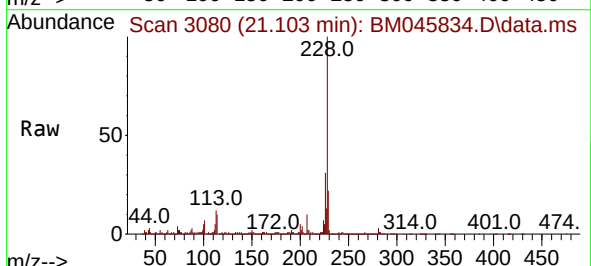
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH6D4

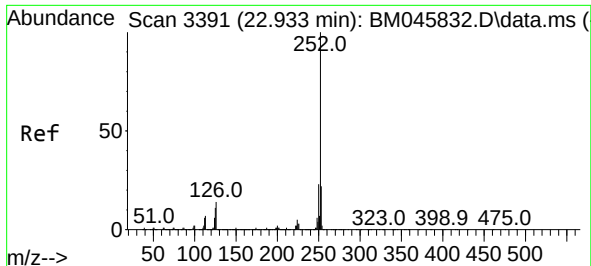
Tgt Ion:149 Resp: 161370  
 Ion Ratio Lower Upper  
 149 100  
 167 26.0 20.4 30.6  
 279 3.7 3.1 4.7



#87  
 Chrysene  
 Concen: 13.260 ng/ul  
 RT: 21.103 min Scan# 3080  
 Delta R.T. -0.006 min  
 Lab File: BM045834.D  
 Acq: 05 Jun 2024 03:06

Tgt Ion:228 Resp: 735224  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.2 36.2  
 229 21.8 15.2 22.8

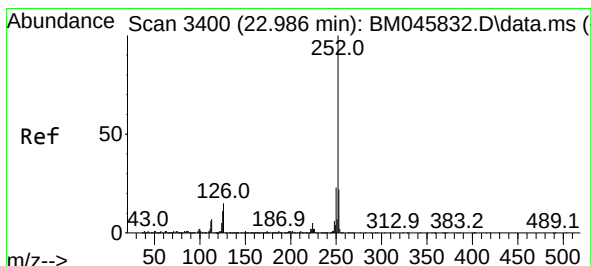
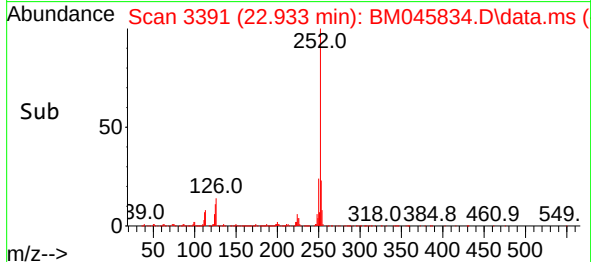
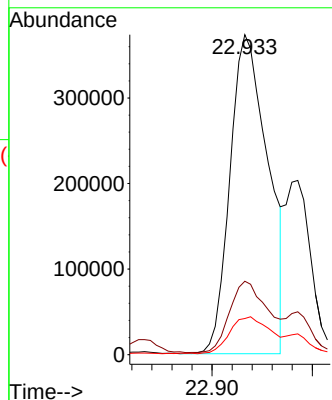
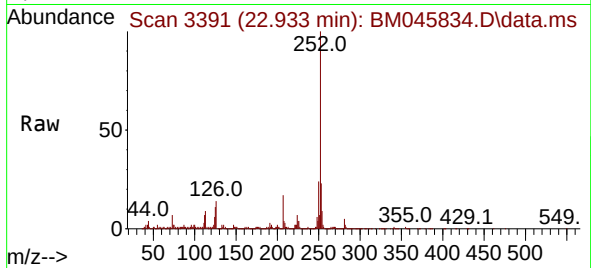




#90  
Benzo(b)fluoranthene  
Concen: 16.310 ng/ul  
RT: 22.933 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM045834.D  
Acq: 05 Jun 2024 03:06

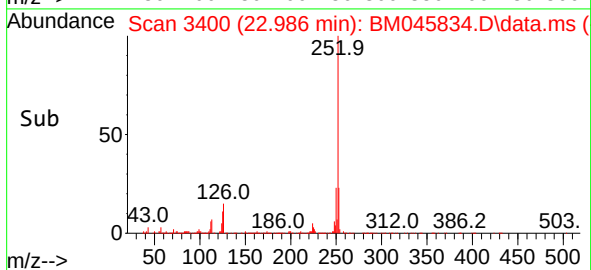
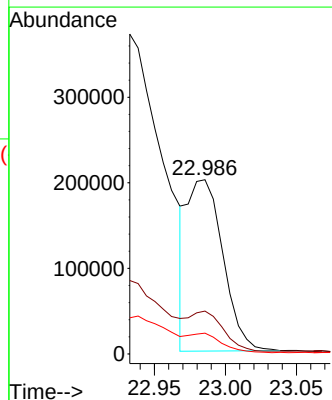
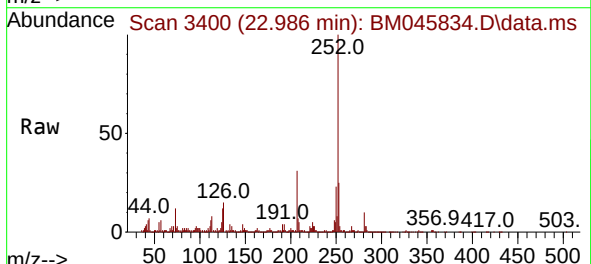
Instrument :  
BNA\_M  
ClientSampleId :  
BH6D4

Tgt Ion:252 Resp: 981266  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.8 26.6  
125 11.3 8.4 12.6

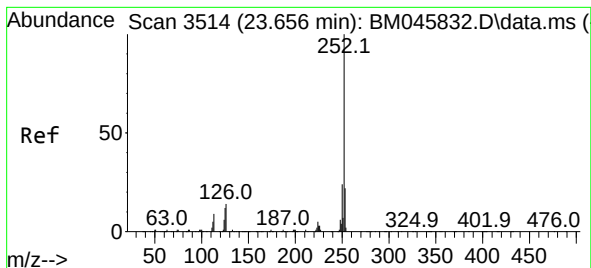


#91  
Benzo(k)fluoranthene  
Concen: 5.933 ng/ul  
RT: 22.986 min Scan# 3400  
Delta R.T. -0.012 min  
Lab File: BM045834.D  
Acq: 05 Jun 2024 03:06

Tgt Ion:252 Resp: 348618  
Ion Ratio Lower Upper  
252 100  
253 24.6 16.8 25.2  
125 11.9 8.2 12.4







#93

Benzo(a)pyrene

Concen: 10.869 ng/ul

RT: 23.656 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM045834.D

Acq: 05 Jun 2024 03:06

Instrument :

BNA\_M

ClientSampleId :

BH6D4

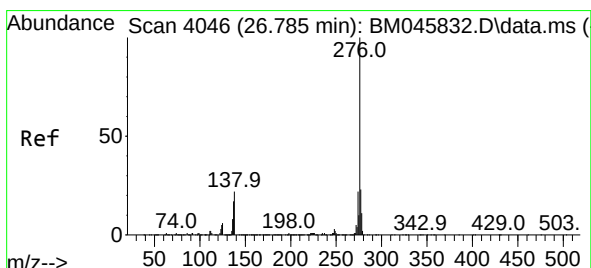
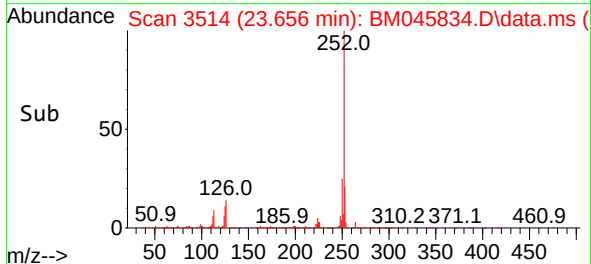
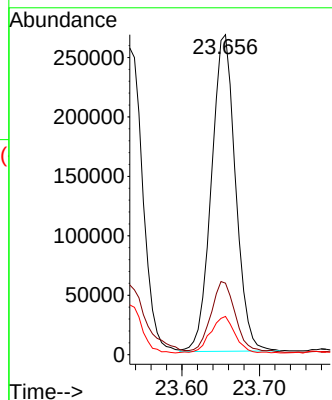
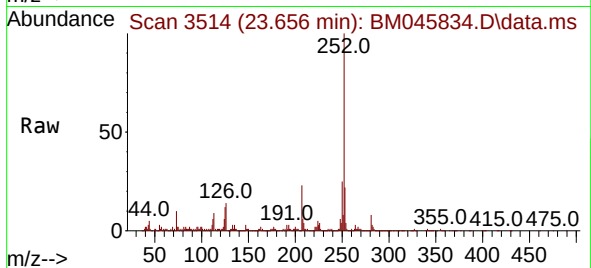
Tgt Ion:252 Resp: 574614

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.9 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.460 ng/ul

RT: 26.779 min Scan# 4045

Delta R.T. -0.012 min

Lab File: BM045834.D

Acq: 05 Jun 2024 03:06

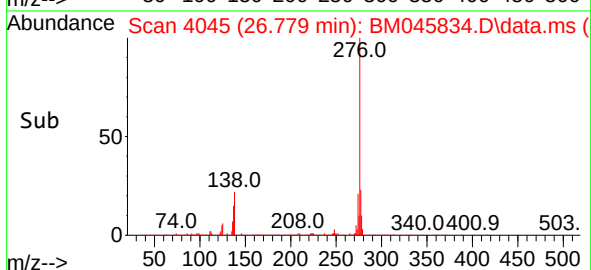
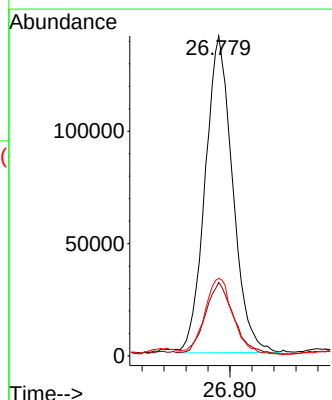
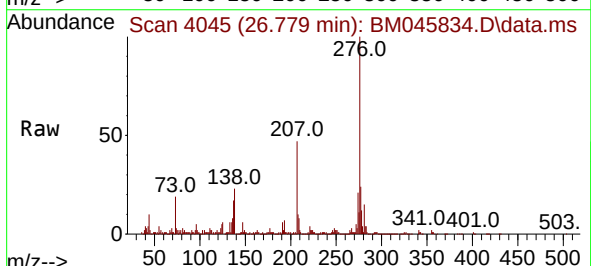
Tgt Ion:276 Resp: 488417

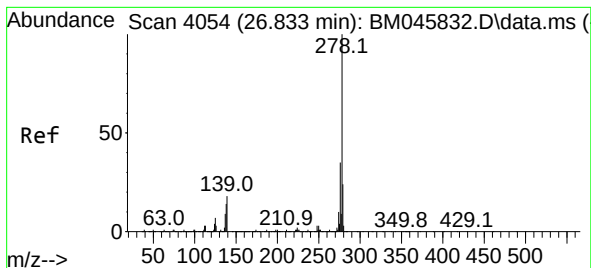
Ion Ratio Lower Upper

276 100

138 23.0 17.9 26.9

277 24.3 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 2.721 ng/ul

RT: 26.815 min Scan# 4051

Delta R.T. -0.024 min

Lab File: BM045834.D

Acq: 05 Jun 2024 03:06

Instrument :

BNA\_M

ClientSampleId :

BH6D4

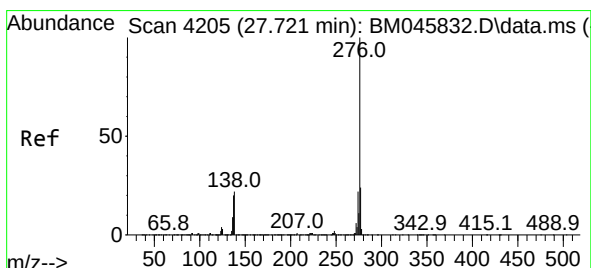
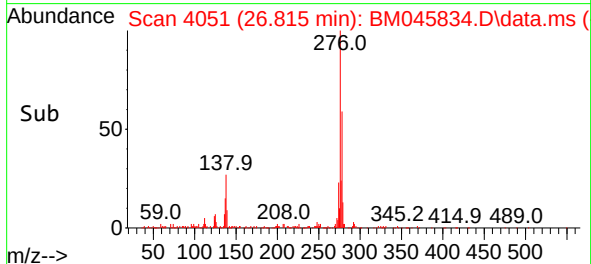
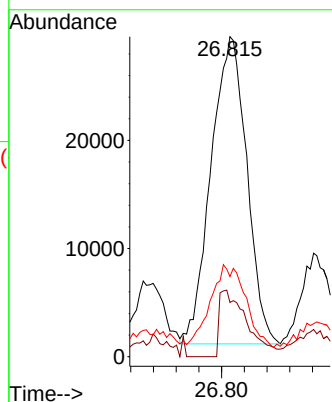
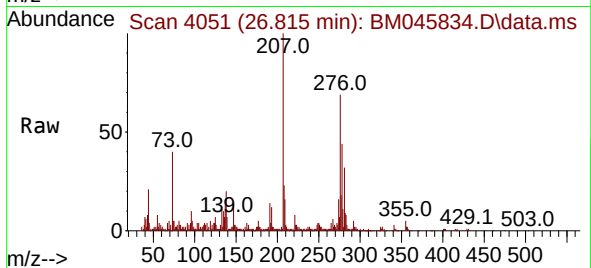
Tgt Ion:278 Resp: 124245

Ion Ratio Lower Upper

278 100

139 16.9 13.2 19.8

279 25.1 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 8.709 ng/ul

RT: 27.709 min Scan# 4203

Delta R.T. -0.018 min

Lab File: BM045834.D

Acq: 05 Jun 2024 03:06

Tgt Ion:276 Resp: 442857

Ion Ratio Lower Upper

276 100

138 24.5 18.6 27.8

277 24.7 18.7 28.1

