

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
 Data File : BM040990.D  
 Acq On : 20 Jul 2023 20:28  
 Operator : MA/JU  
 Sample : 03452-21  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

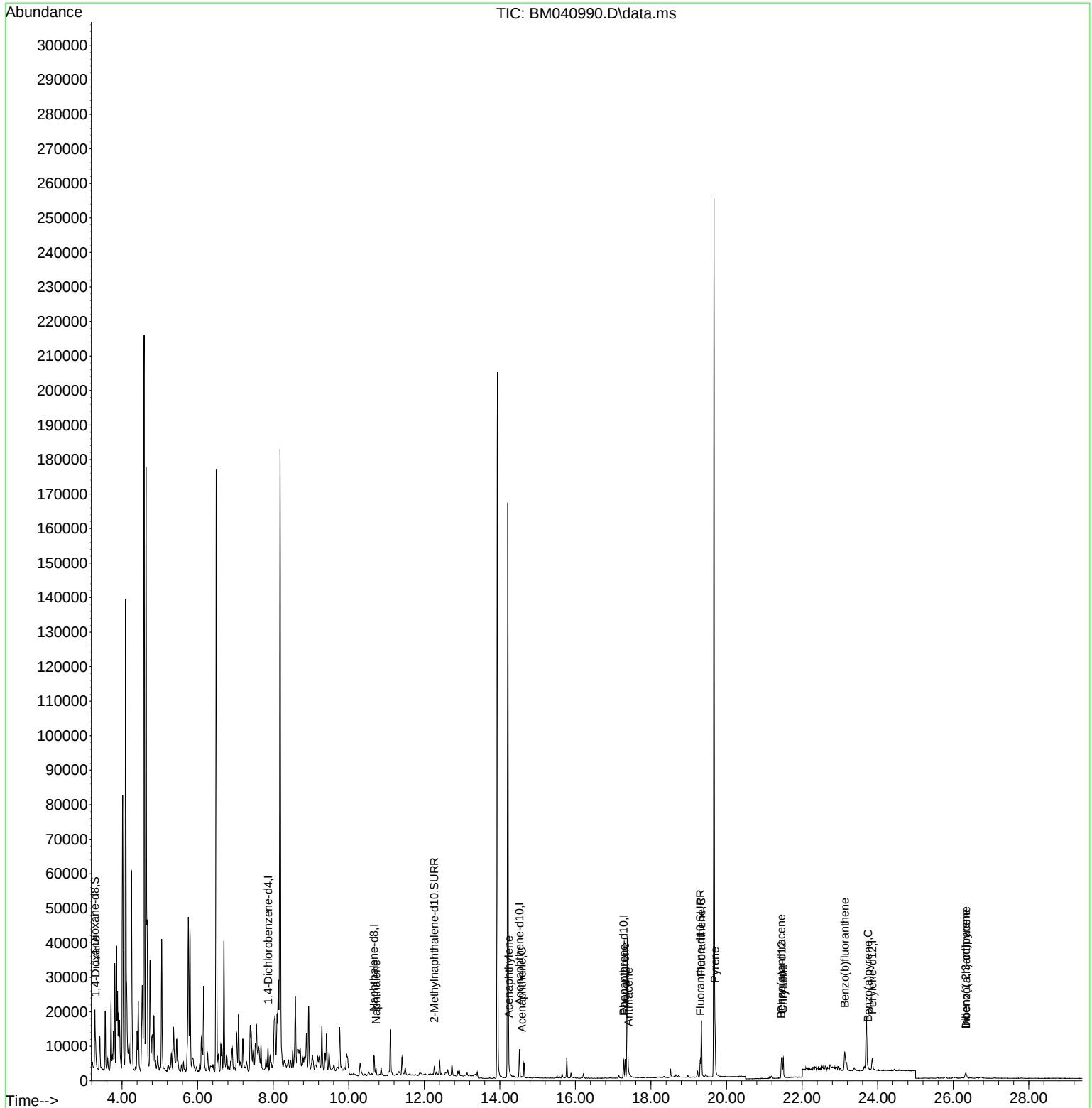
Instrument :  
 BNA\_M  
 ClientSampleId :

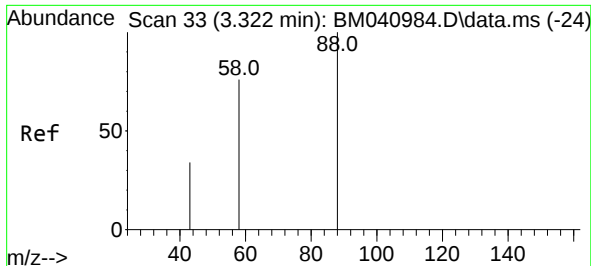
Quant Time: Jul 20 21:39:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 20 05:08:42 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.866  | 152  | 3303     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.669 | 136  | 8064     | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.518 | 164  | 4267     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.274 | 188  | 6454     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.463 | 240  | 4793     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.857 | 264  | 4516     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.280  | 96   | 9216     | 1.697 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.264 | 152  | 3351     | 0.312 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.306 | 212  | 5146     | 0.255 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.301  | 88   | 994      | 0.174 | ng/ul# | 1        |
| 5) Naphthalene              | 10.724 | 128  | 3072     | 0.139 | ng/ul# | 92       |
| 10) Acenaphthylene          | 14.240 | 152  | 475      | 0.027 | ng/ul# | 41       |
| 11) Acenaphthene            | 14.583 | 153  | 362      | 0.023 | ng/ul# | 92       |
| 15) Phenanthrene            | 17.316 | 178  | 5921     | 0.307 | ng/ul  | 97       |
| 16) Anthracene              | 17.409 | 178  | 309      | 0.021 | ng/ul# | 40       |
| 19) Fluoranthene            | 19.334 | 202  | 13958    | 0.564 | ng/ul  | 98       |
| 20) Pyrene                  | 19.696 | 202  | 9814     | 0.388 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.448 | 228  | 3393     | 0.232 | ng/ul  | 94       |
| 22) Chrysene                | 21.501 | 228  | 6020     | 0.361 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.129 | 252  | 8270     | 0.477 | ng/ul  | 85       |
| 26) Benzo(a)pyrene          | 23.746 | 252  | 455      | 0.030 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.330 | 276  | 2739     | 0.138 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.340 | 278  | 838      | 0.056 | ng/ul# | 27       |
| -----                       |        |      |          |       |        |          |

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

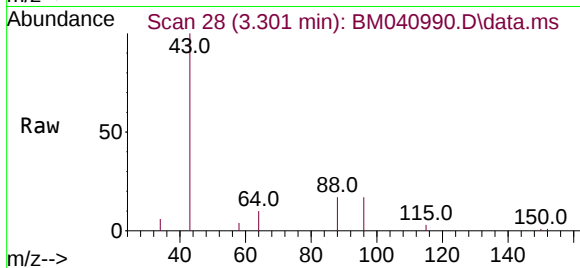
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Qlast Update : Thu Jul 20 05:08:42 2023  
Response via : Initial Calibration



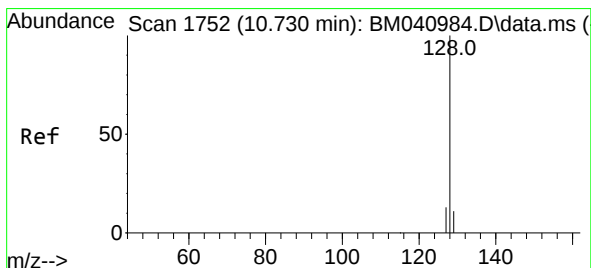
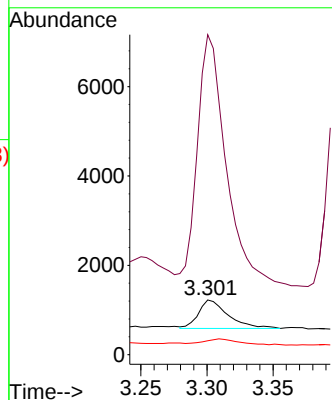
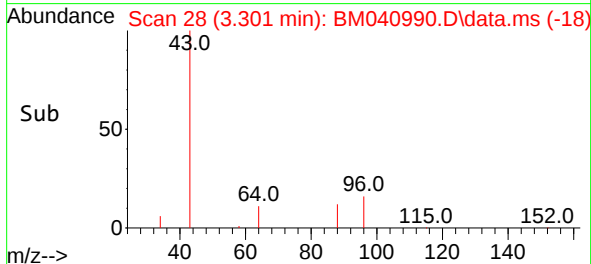


#2  
1,4-Dioxane  
Concen: 0.174 ng/ul  
RT: 3.301 min Scan# 21  
Delta R.T. -0.017 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Instrument :  
BNA\_M  
ClientSampleId :

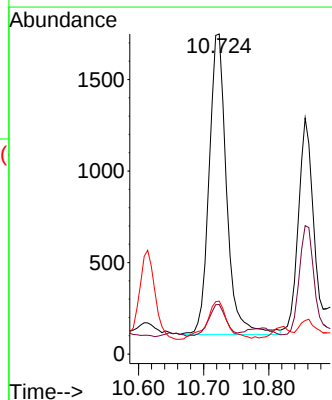
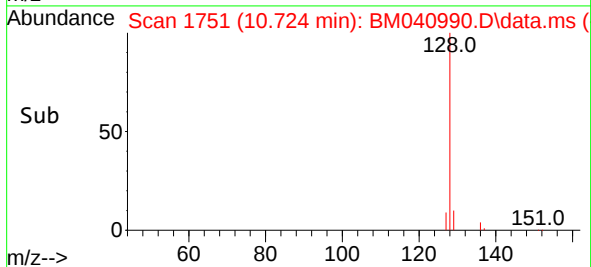
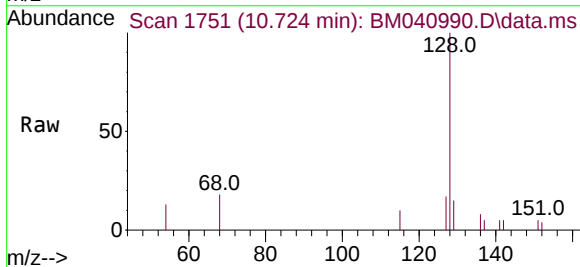


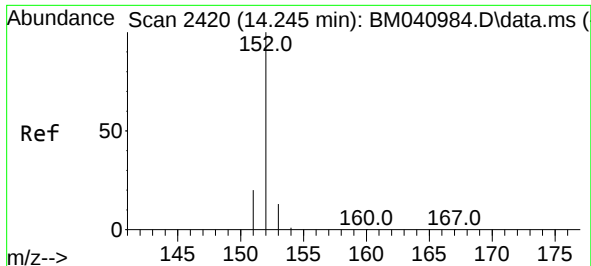
Tgt Ion: 88 Resp: 994  
Ion Ratio Lower Upper  
88 100  
43 584.3 46.7 70.1#  
58 25.5 40.3 60.5#



#5  
Naphthalene  
Concen: 0.139 ng/ul  
RT: 10.724 min Scan# 1751  
Delta R.T. -0.005 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Tgt Ion: 128 Resp: 3072  
Ion Ratio Lower Upper  
128 100  
129 15.5 9.8 14.8#  
127 16.5 11.0 16.4#

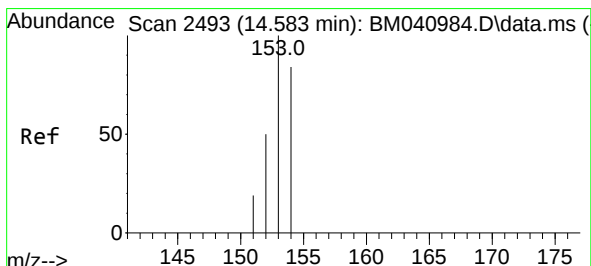
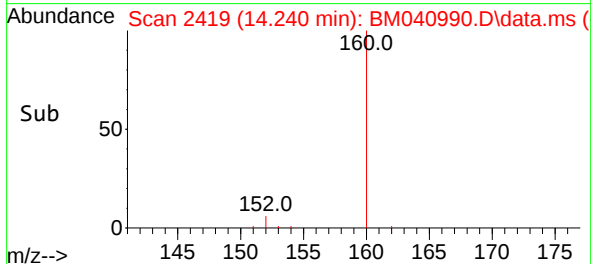
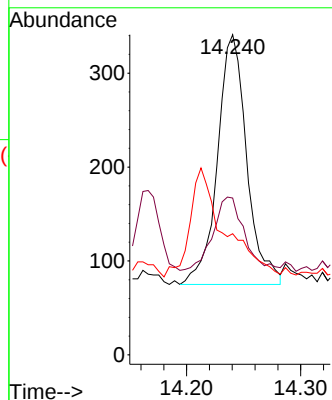
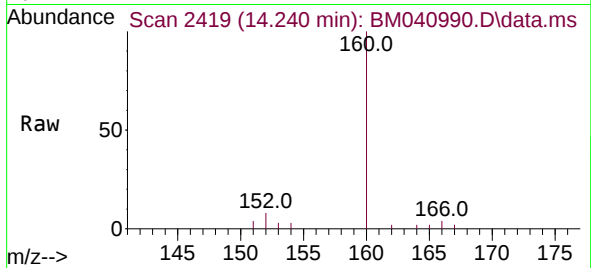




#10  
Acenaphthylene  
Concen: 0.027 ng/ul  
RT: 14.240 min Scan# 2419  
Delta R.T. -0.009 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

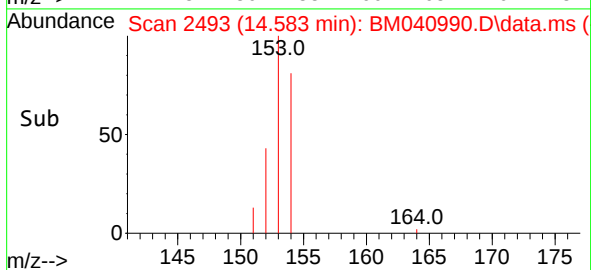
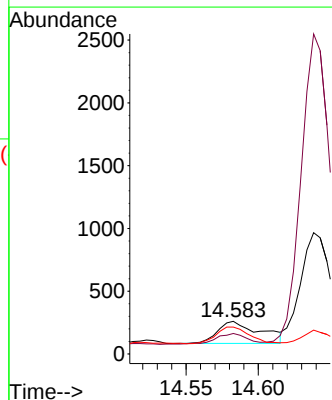
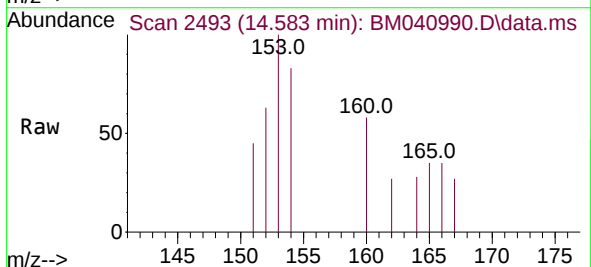
Instrument :  
BNA\_M  
ClientSampleId :

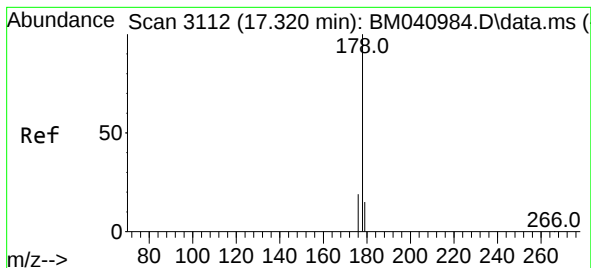
Tgt Ion:152 Resp: 475  
Ion Ratio Lower Upper  
152 100  
151 49.0 16.8 25.2#  
153 37.8 11.6 17.4#



#11  
Acenaphthene  
Concen: 0.023 ng/ul  
RT: 14.583 min Scan# 2493  
Delta R.T. -0.005 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Tgt Ion:153 Resp: 362  
Ion Ratio Lower Upper  
153 100  
152 62.7 41.0 61.6#  
154 82.7 68.2 102.2





#15

Phenanthrene

Concen: 0.307 ng/ul

RT: 17.316 min Scan# 3111

Delta R.T. -0.008 min

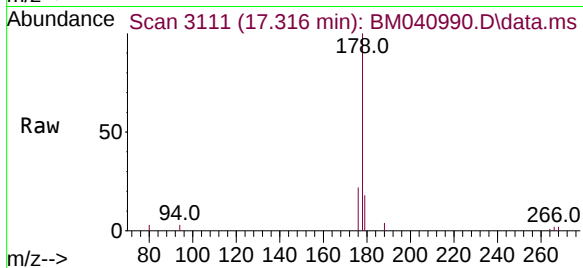
Lab File: BM040990.D

Acq: 20 Jul 2023 20:28

Instrument :

BNA\_M

ClientSampleId :



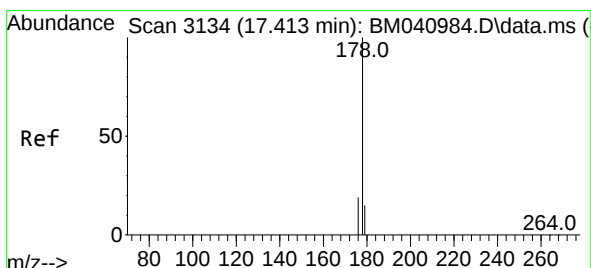
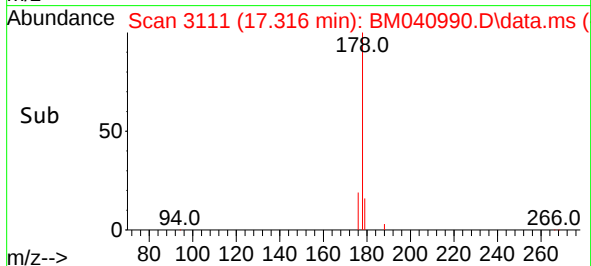
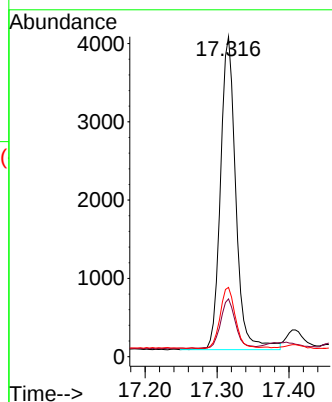
Tgt Ion:178 Resp: 5921

Ion Ratio Lower Upper

178 100

179 18.0 13.0 19.6

176 21.6 16.2 24.4



#16

Anthracene

Concen: 0.021 ng/ul

RT: 17.409 min Scan# 3133

Delta R.T. -0.013 min

Lab File: BM040990.D

Acq: 20 Jul 2023 20:28

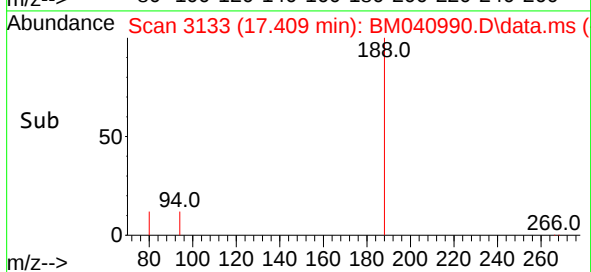
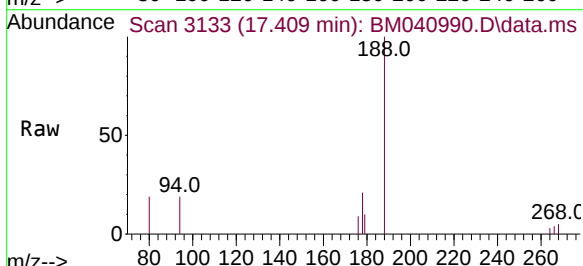
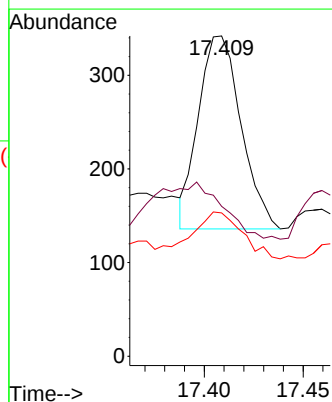
Tgt Ion:178 Resp: 309

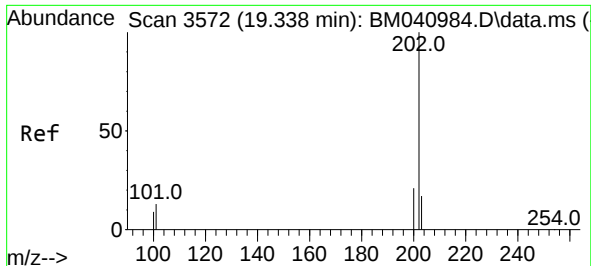
Ion Ratio Lower Upper

178 100

179 46.8 13.7 20.5#

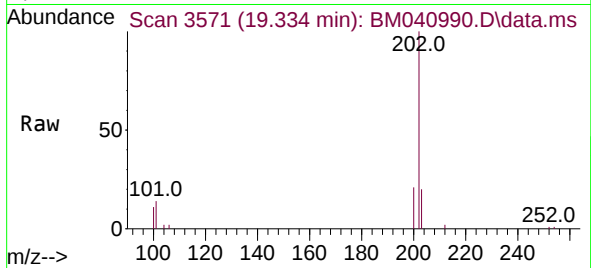
176 44.7 16.4 24.6#



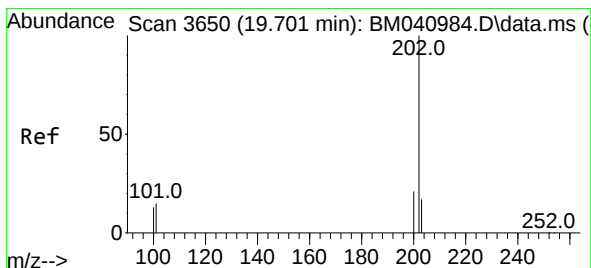
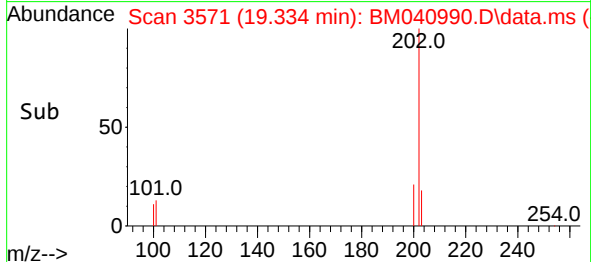
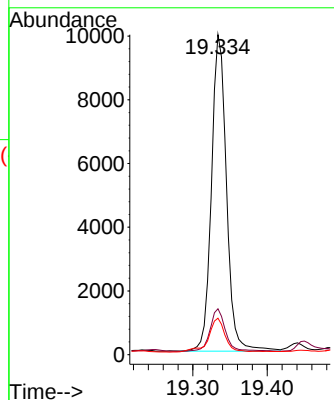


#19  
Fluoranthene  
Concen: 0.564 ng/ul  
RT: 19.334 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Instrument :  
BNA\_M  
ClientSampleId :

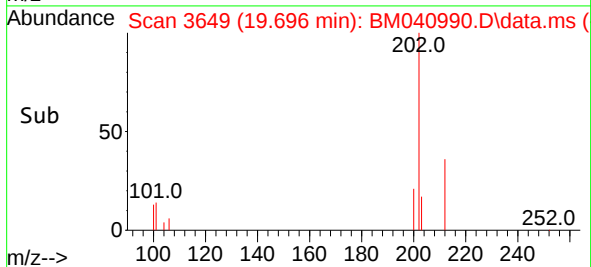
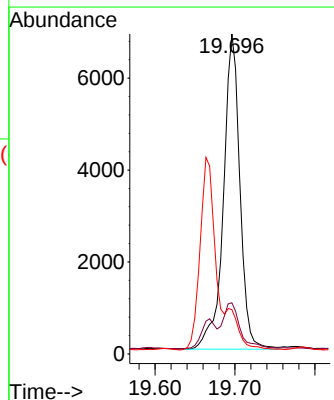
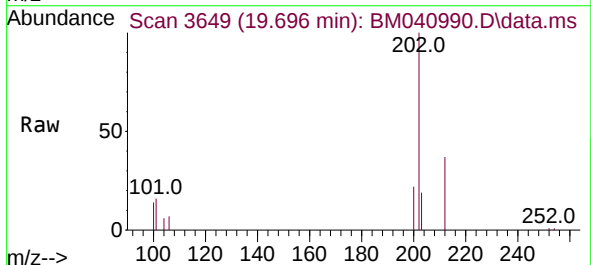


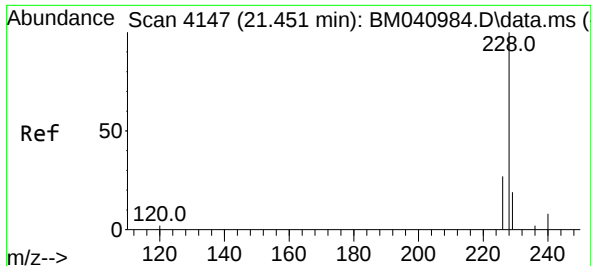
Tgt Ion:202 Resp: 13958  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.0 16.4  
100 11.4 8.3 12.5



#20  
Pyrene  
Concen: 0.388 ng/ul  
RT: 19.696 min Scan# 3649  
Delta R.T. -0.009 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

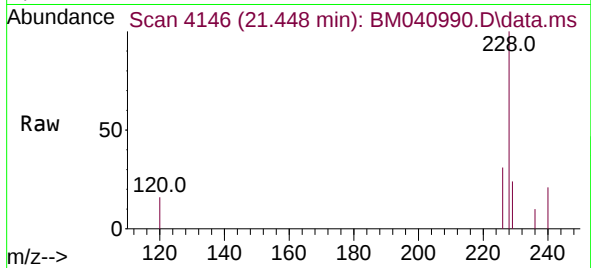
Tgt Ion:202 Resp: 9814  
Ion Ratio Lower Upper  
202 100  
101 16.0 12.5 18.7  
100 13.9 10.0 15.0



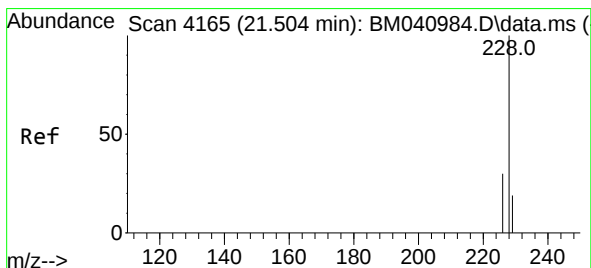
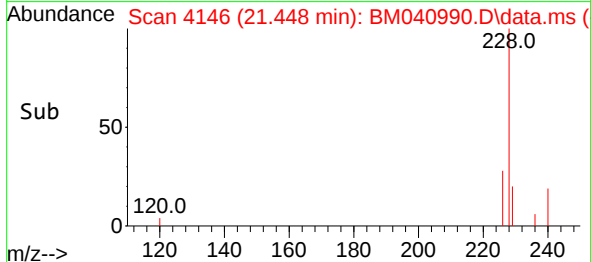
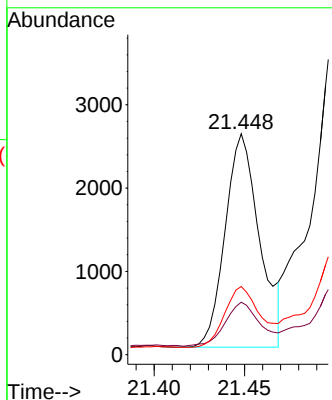


#21  
Benzo(a)anthracene  
Concen: 0.232 ng/ul  
RT: 21.448 min Scan# 4146  
Delta R.T. -0.009 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Instrument :  
BNA\_M  
ClientSampleId :

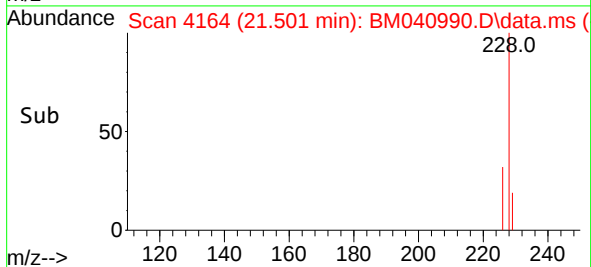
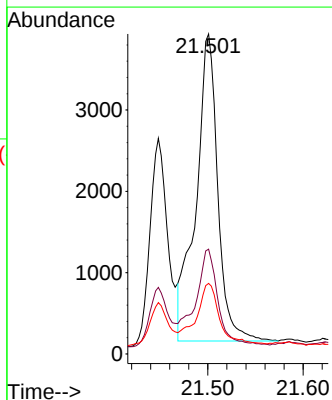
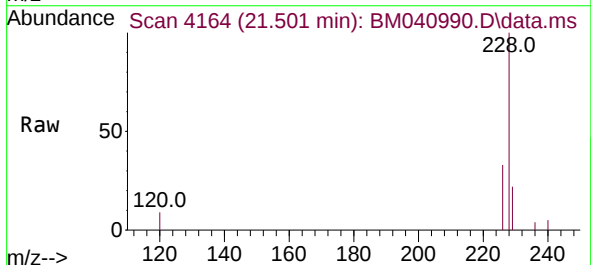


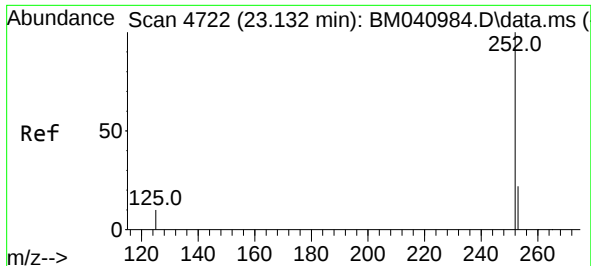
Tgt Ion:228 Resp: 3393  
Ion Ratio Lower Upper  
228 100  
229 23.8 16.2 24.4  
226 30.9 22.3 33.5



#22  
Chrysene  
Concen: 0.361 ng/ul  
RT: 21.501 min Scan# 4164  
Delta R.T. -0.006 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

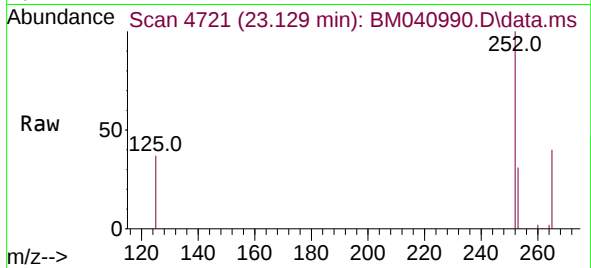
Tgt Ion:228 Resp: 6020  
Ion Ratio Lower Upper  
228 100  
226 32.8 24.6 37.0  
229 22.0 16.1 24.1



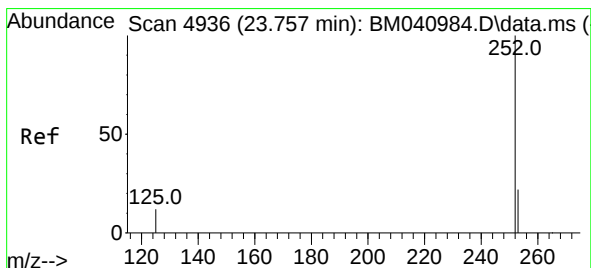
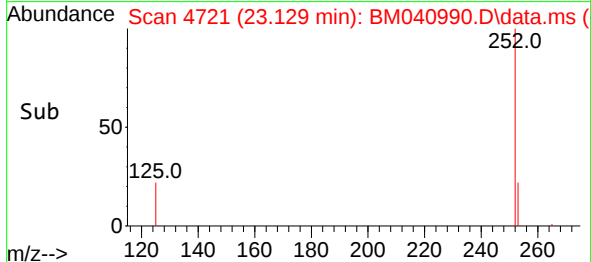
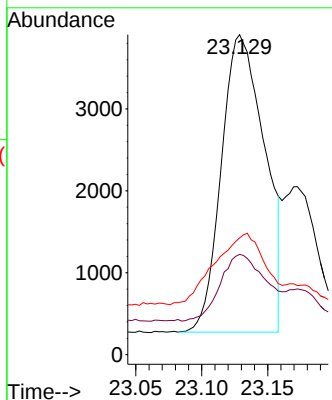


#24  
Benzo(b)fluoranthene  
Concen: 0.477 ng/ul  
RT: 23.129 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Instrument :  
BNA\_M  
ClientSampleId :

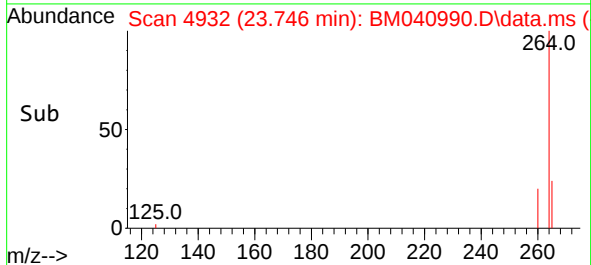
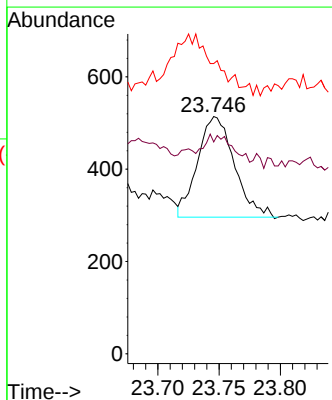
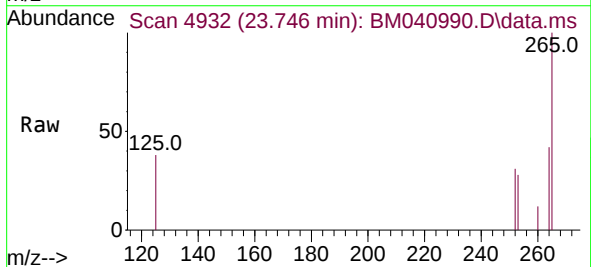


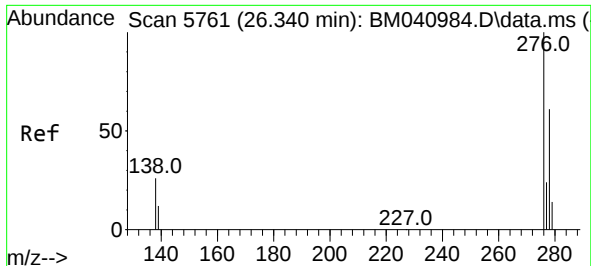
Tgt Ion:252 Resp: 8270  
Ion Ratio Lower Upper  
252 100  
253 31.3 0.0 57.4  
125 36.5 0.0 45.2



#26  
Benzo(a)pyrene  
Concen: 0.030 ng/ul  
RT: 23.746 min Scan# 4932  
Delta R.T. -0.018 min  
Lab File: BM040990.D  
Acq: 20 Jul 2023 20:28

Tgt Ion:252 Resp: 455  
Ion Ratio Lower Upper  
252 100  
253 89.3 28.2 42.2#  
125 122.4 25.2 37.8#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.138 ng/ul

RT: 26.330 min Scan# 5

Delta R.T. -0.020 min

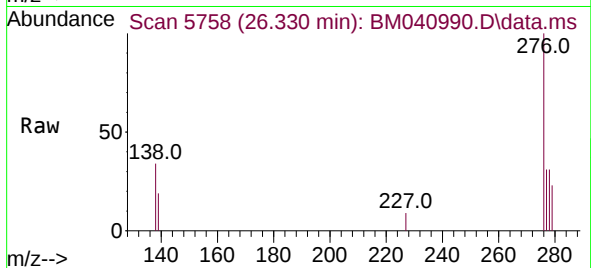
Lab File: BM040990.D

Acq: 20 Jul 2023 20:28

Instrument :

BNA\_M

ClientSampleId :



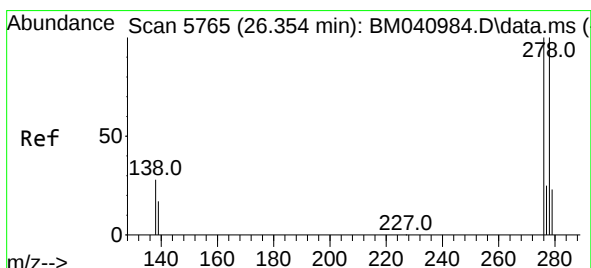
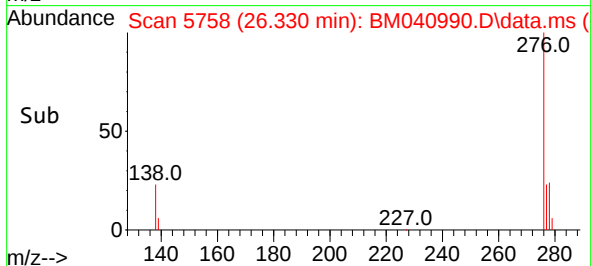
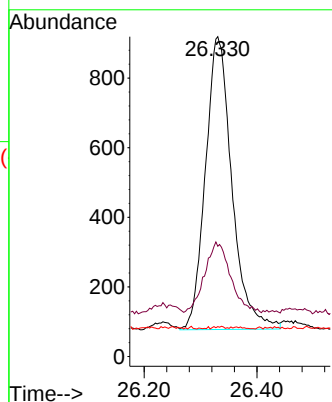
Tgt Ion:276 Resp: 2739

Ion Ratio Lower Upper

276 100

138 23.7 22.3 33.5

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.056 ng/ul

RT: 26.340 min Scan# 5761

Delta R.T. -0.027 min

Lab File: BM040990.D

Acq: 20 Jul 2023 20:28

Tgt Ion:278 Resp: 838

Ion Ratio Lower Upper

278 100

139 59.5 19.2 28.8#

279 75.9 27.0 40.6#

