

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082423\  
 Data File : BM041504.D  
 Acq On : 25 Aug 2023 21:36  
 Operator : MA/JU  
 Sample : 04037-06  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EYZE2

Quant Time: Aug 26 00:19:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM082423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 24 18:34:12 2023  
 Response via : Initial Calibration

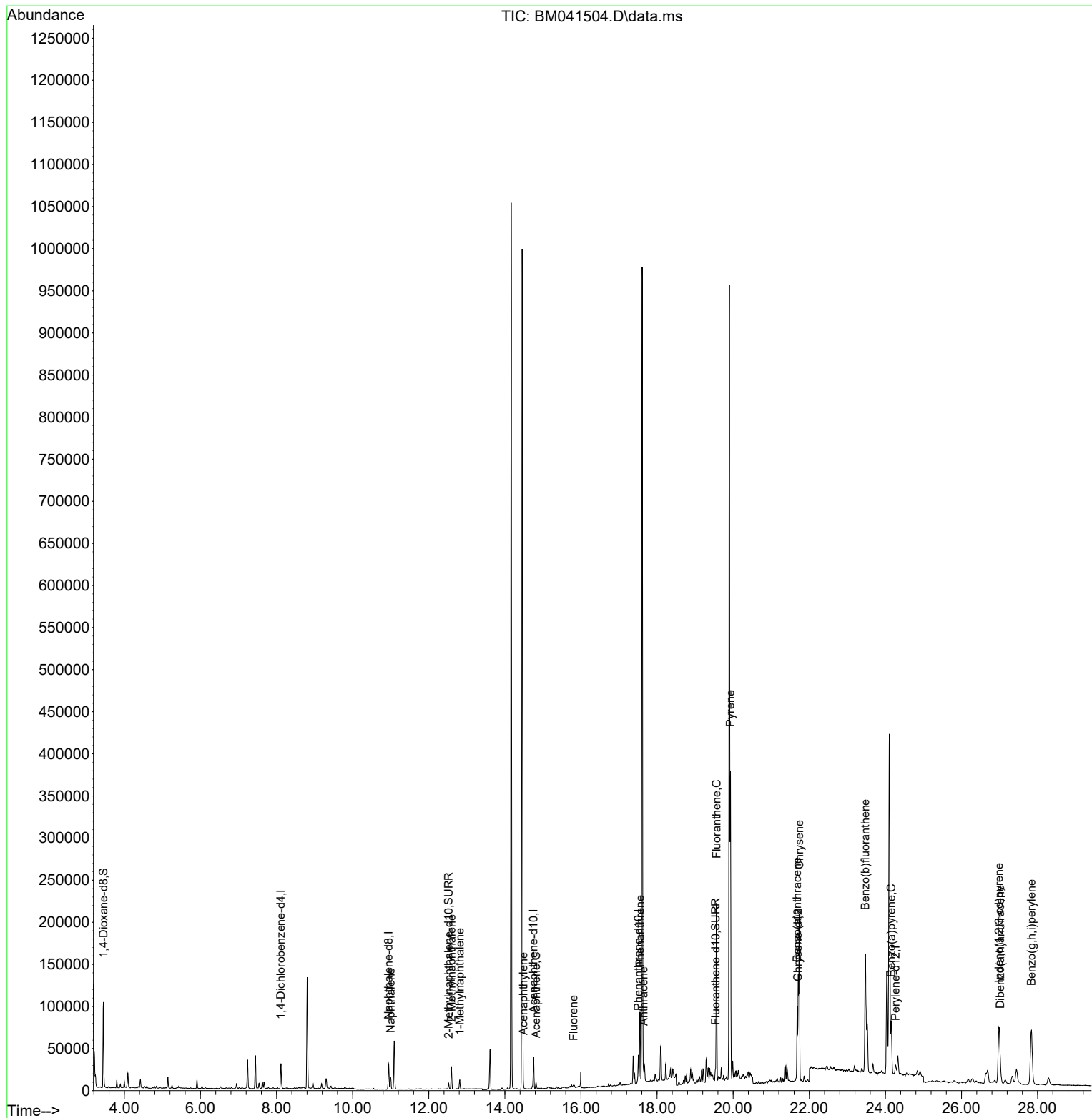
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.114  | 152  | 14231    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.944 | 136  | 39212    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.754 | 164  | 19647    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.510 | 188  | 39136    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.700 | 240  | 13979    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.269 | 264  | 15411    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.448  | 96   | 59514    | 3.304 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.522 | 152  | 8330     | 0.161 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.534 | 212  | 10718    | 0.174 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.999 | 128  | 18766    | 0.161 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.594 | 142  | 18098    | 0.258 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.814 | 142  | 7447     | 0.104 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.486 | 152  | 5162     | 0.044 | ng/ul# | 84       |
| 11) Acenaphthene            | 14.819 | 153  | 4584     | 0.056 | ng/ul  | 98       |
| 12) Fluorene                | 15.804 | 166  | 2270     | 0.025 | ng/ul# | 75       |
| 15) Phenanthrene            | 17.553 | 178  | 86413    | 0.601 | ng/ul  | 97       |
| 16) Anthracene              | 17.645 | 178  | 14046    | 0.107 | ng/ul# | 83       |
| 19) Fluoranthene            | 19.562 | 202  | 170557   | 1.329 | ng/ul  | 99       |
| 20) Pyrene                  | 19.929 | 202  | 284284   | 2.197 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.682 | 228  | 77306    | 0.850 | ng/ul# | 93       |
| 22) Chrysene                | 21.738 | 228  | 167672   | 1.706 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.471 | 252  | 242107   | 2.294 | ng/ul  | 89       |
| 26) Benzo(a)pyrene          | 24.152 | 252  | 91711    | 1.058 | ng/ul# | 75       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.985 | 276  | 130263   | 1.202 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 27.015 | 278  | 30953    | 0.373 | ng/ul# | 60       |
| 29) Benzo(g,h,i)perylene    | 27.837 | 276  | 152492   | 1.598 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

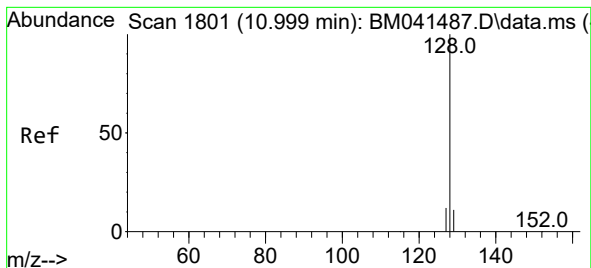
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082423\  
Data File : BM041504.D  
Acq On : 25 Aug 2023 21:36  
Operator : MA/JU  
Sample : 04037-06  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EZY2

Quant Time: Aug 26 00:19:05 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM082423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 24 18:34:12 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.161 ng/ul

RT: 10.999 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BM041504.D

Acq: 25 Aug 2023 21:36

Instrument :

BNA\_M

ClientSampleId :

EZY2

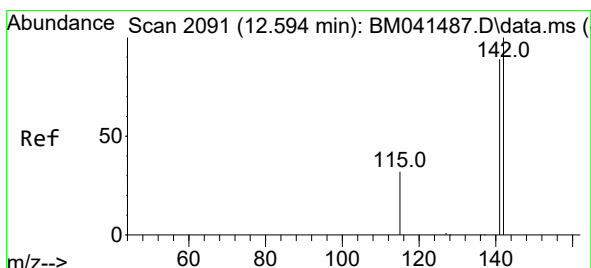
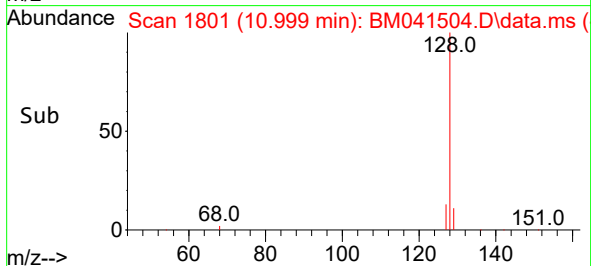
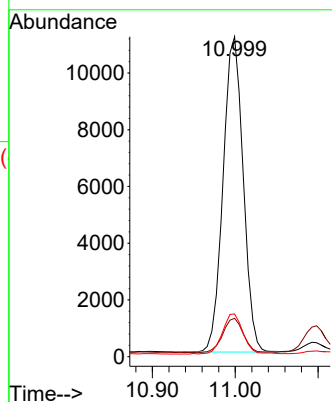
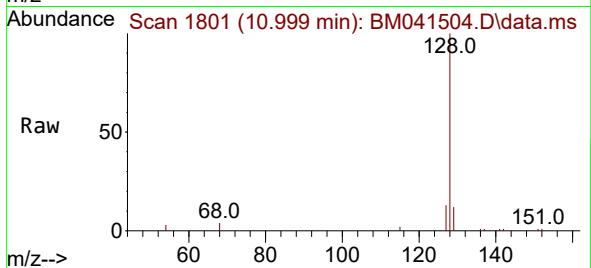
Tgt Ion:128 Resp: 18766

Ion Ratio Lower Upper

128 100

129 12.0 8.9 13.3

127 13.3 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.258 ng/ul

RT: 12.594 min Scan# 2091

Delta R.T. -0.005 min

Lab File: BM041504.D

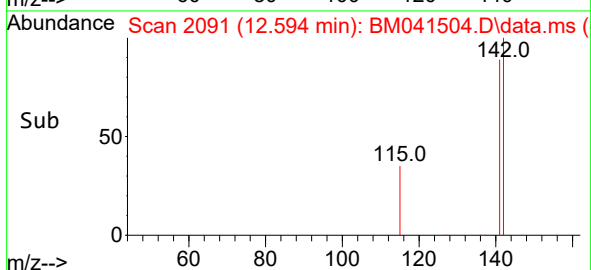
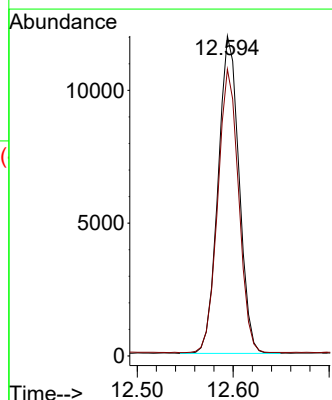
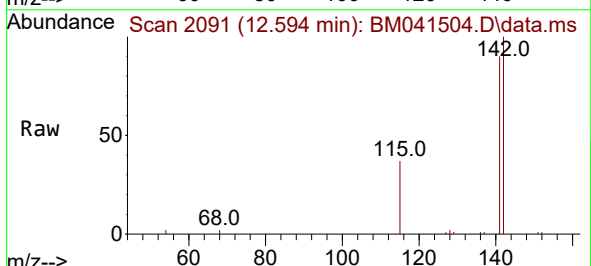
Acq: 25 Aug 2023 21:36

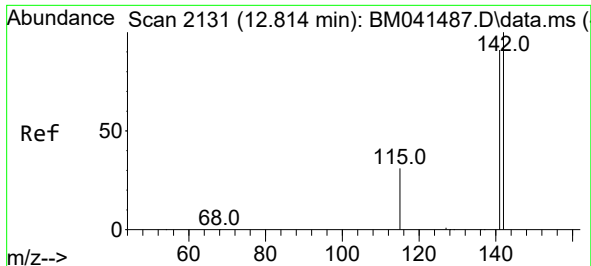
Tgt Ion:142 Resp: 18098

Ion Ratio Lower Upper

142 100

141 88.6 71.1 106.7

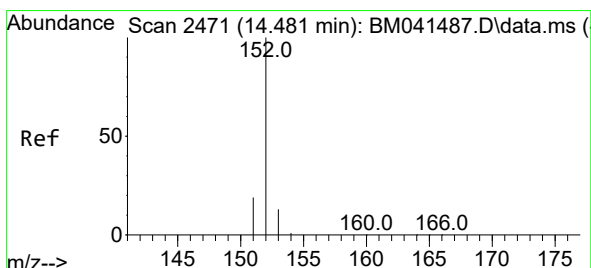
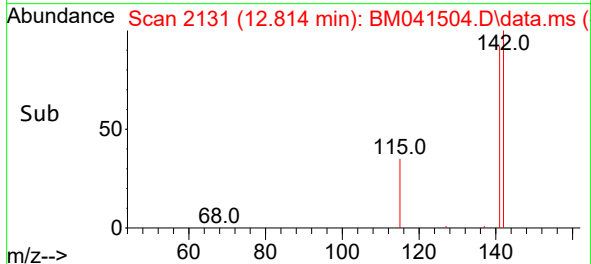
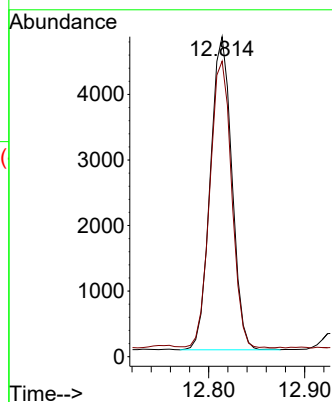
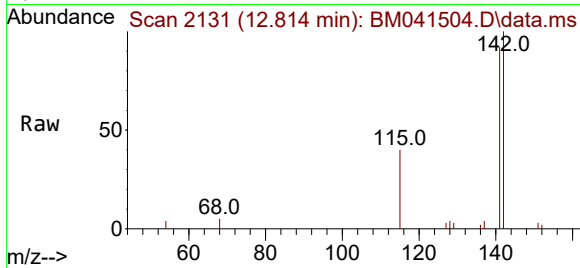




#8  
1-Methylnaphthalene  
Concen: 0.104 ng/ul  
RT: 12.814 min Scan# 2131  
Delta R.T. -0.005 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

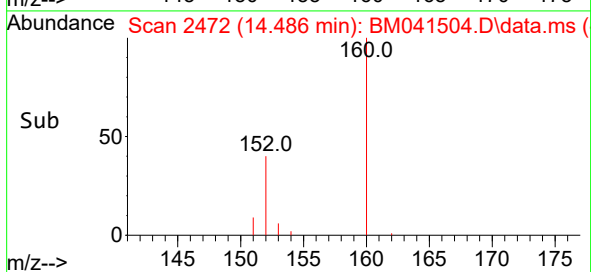
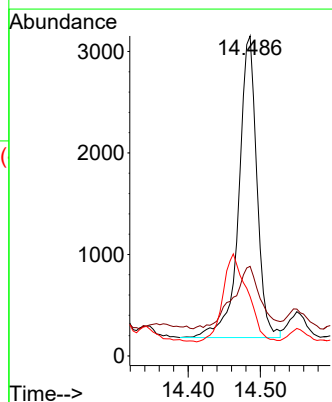
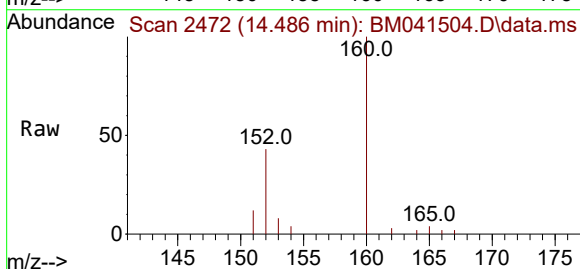
Instrument :  
BNA\_M  
ClientSampleId :  
EZY2

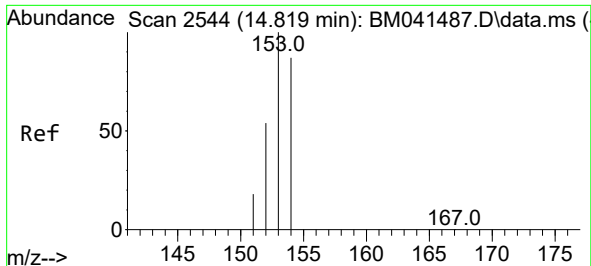
Tgt Ion:142 Resp: 7447  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.4 110.2



#10  
Acenaphthylene  
Concen: 0.044 ng/ul  
RT: 14.486 min Scan# 2472  
Delta R.T. 0.000 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

Tgt Ion:152 Resp: 5162  
Ion Ratio Lower Upper  
152 100  
151 28.0 15.8 23.6#  
153 18.5 10.6 15.8#

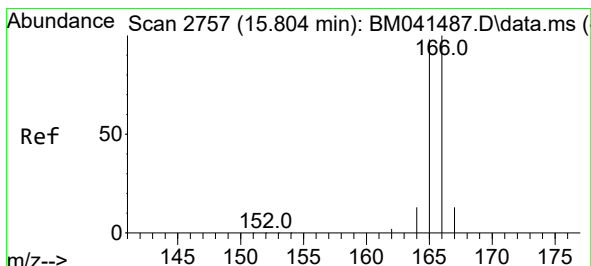
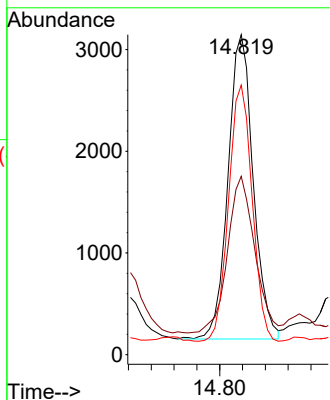
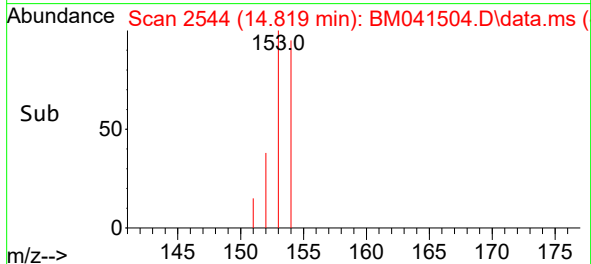
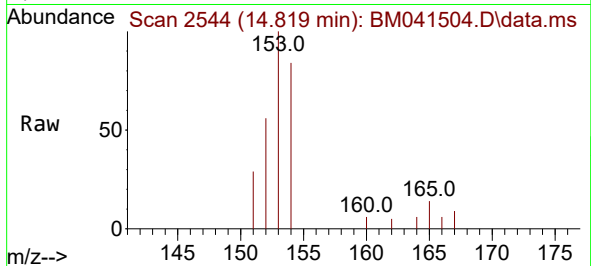




#11  
Acenaphthene  
Concen: 0.056 ng/ul  
RT: 14.819 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

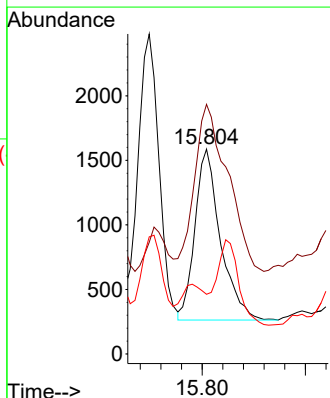
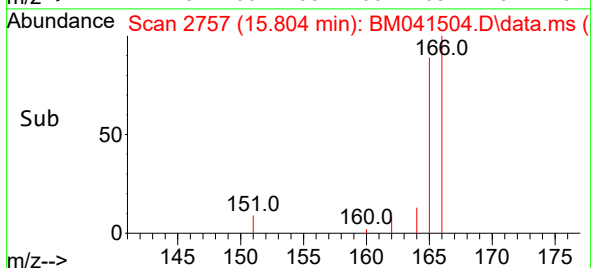
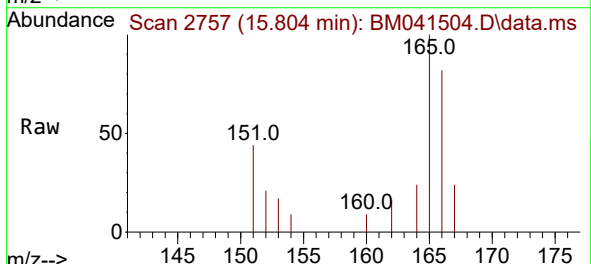
Instrument :  
BNA\_M  
ClientSampleId :  
EZY2

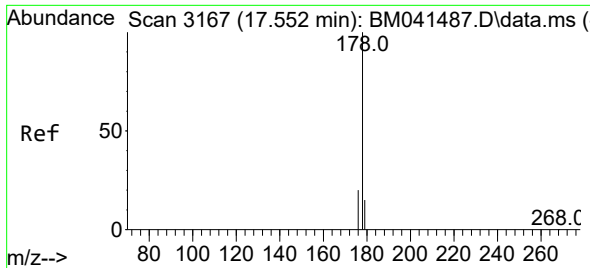
Tgt Ion:153 Resp: 4584  
Ion Ratio Lower Upper  
153 100  
152 55.8 42.9 64.3  
154 84.3 68.9 103.3



#12  
Fluorene  
Concen: 0.025 ng/ul  
RT: 15.804 min Scan# 2757  
Delta R.T. 0.000 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

Tgt Ion:166 Resp: 2270  
Ion Ratio Lower Upper  
166 100  
165 121.9 79.4 119.2#  
167 29.2 11.0 16.6#

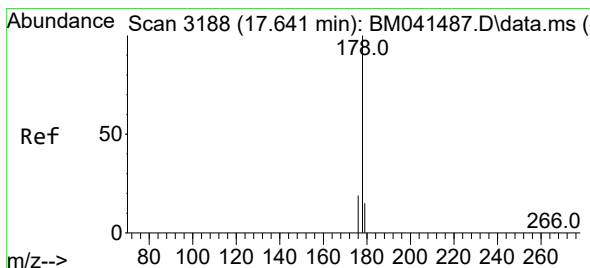
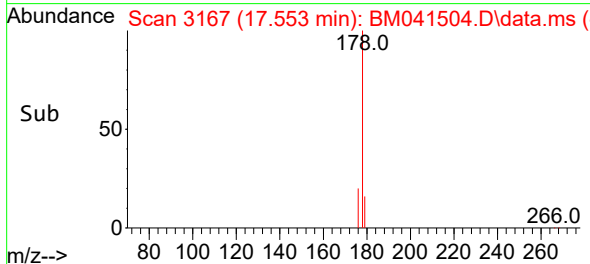
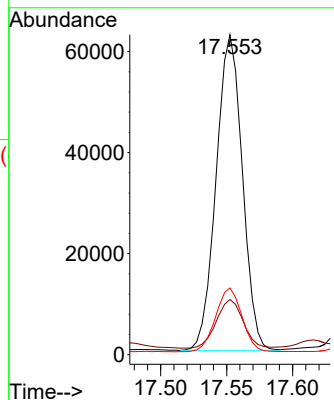
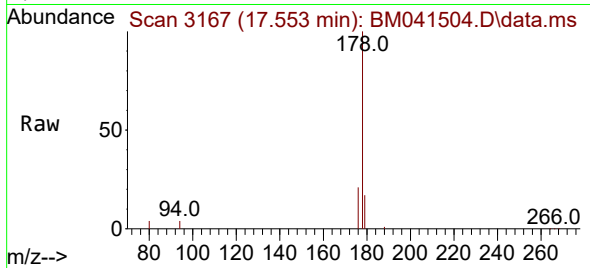




#15  
Phenanthrene  
Concen: 0.601 ng/ul  
RT: 17.553 min Scan# 3167  
Delta R.T. -0.004 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

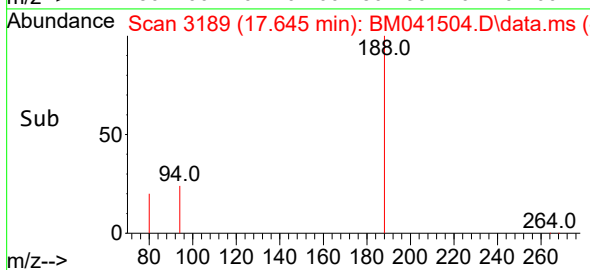
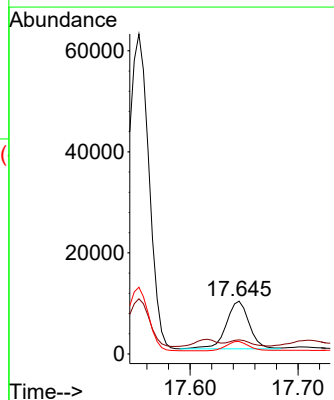
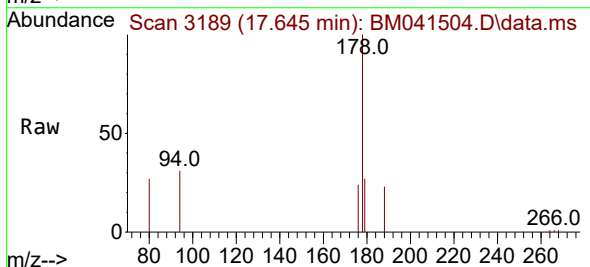
Instrument :  
BNA\_M  
ClientSampleId :  
EZY2

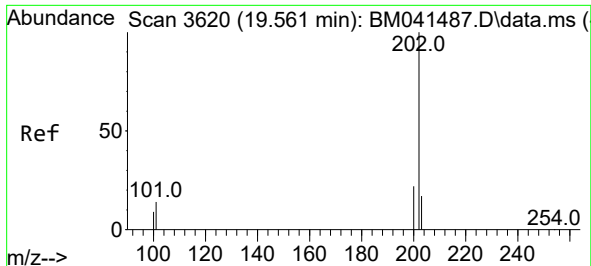
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 86413     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 17.2  | 12.5 18.7 |
| 176         | 20.8  | 15.8 23.8 |



#16  
Anthracene  
Concen: 0.107 ng/ul  
RT: 17.645 min Scan# 3189  
Delta R.T. 0.000 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:178 | Resp: | 14046      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 179         | 26.7  | 12.6 18.8# |
| 176         | 23.5  | 15.5 23.3# |

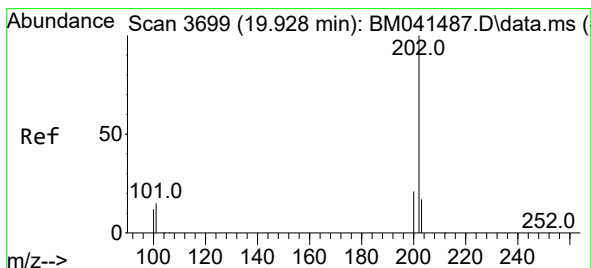
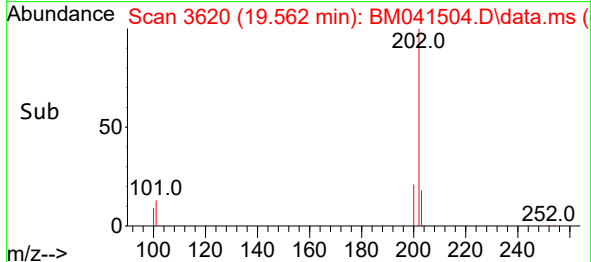
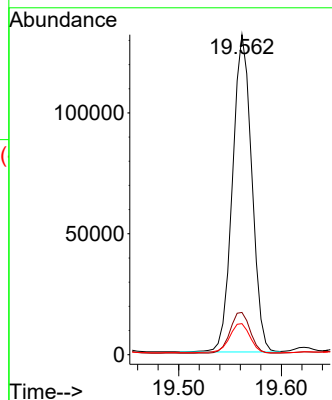
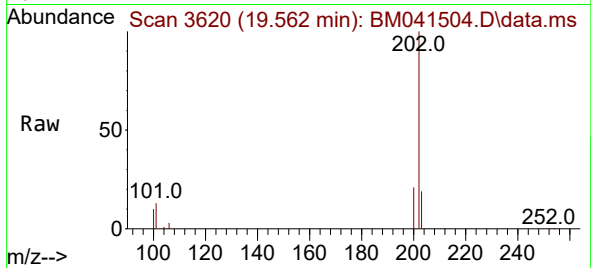




#19  
Fluoranthene  
Concen: 1.329 ng/ul  
RT: 19.562 min Scan# 3620  
Delta R.T. -0.005 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

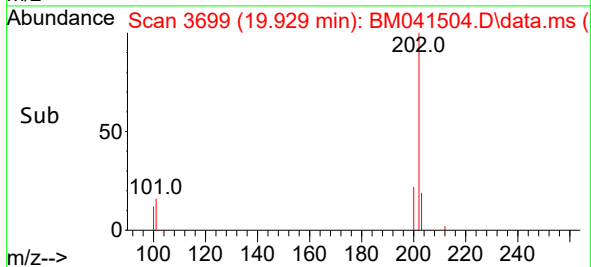
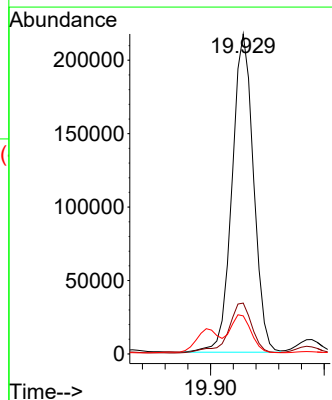
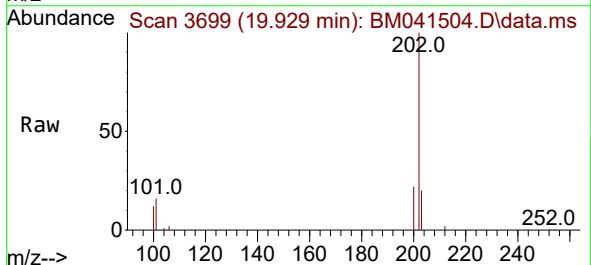
Instrument :  
BNA\_M  
ClientSampleId :  
EZY2

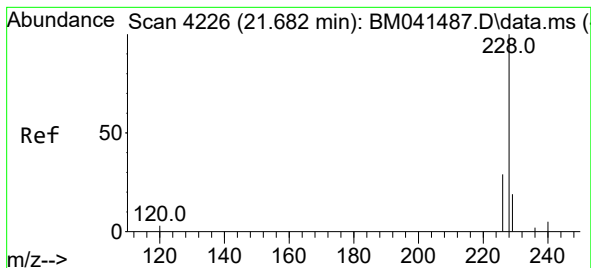
Tgt Ion:202 Resp: 170557  
Ion Ratio Lower Upper  
202 100  
101 13.2 11.0 16.6  
100 9.7 7.9 11.9



#20  
Pyrene  
Concen: 2.197 ng/ul  
RT: 19.929 min Scan# 3699  
Delta R.T. -0.005 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

Tgt Ion:202 Resp: 284284  
Ion Ratio Lower Upper  
202 100  
101 15.9 12.2 18.2  
100 11.9 9.8 14.8





#21

Benzo(a)anthracene

Concen: 0.850 ng/ul

RT: 21.682 min Scan# 4226

Delta R.T. -0.006 min

Lab File: BM041504.D

Acq: 25 Aug 2023 21:36

Instrument :

BNA\_M

ClientSampleId :

EZYE2

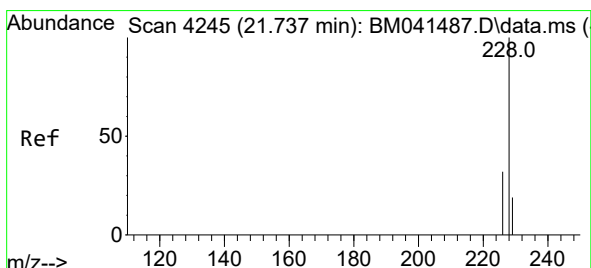
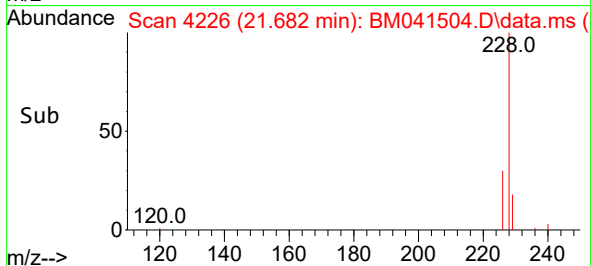
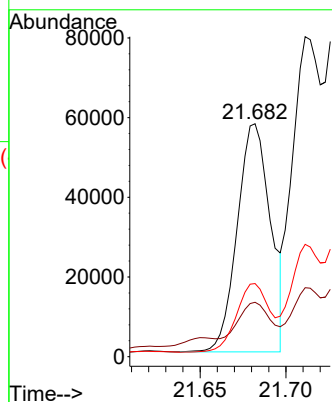
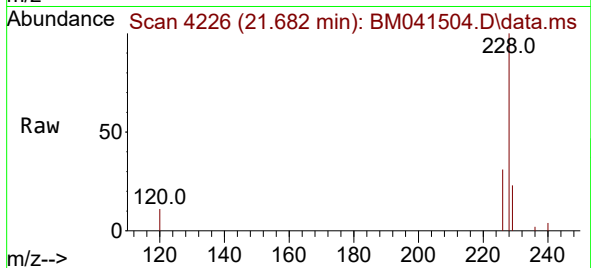
Tgt Ion:228 Resp: 77306

Ion Ratio Lower Upper

228 100

229 23.4 15.3 22.9#

226 31.4 22.7 34.1



#22

Chrysene

Concen: 1.706 ng/ul

RT: 21.738 min Scan# 4245

Delta R.T. -0.006 min

Lab File: BM041504.D

Acq: 25 Aug 2023 21:36

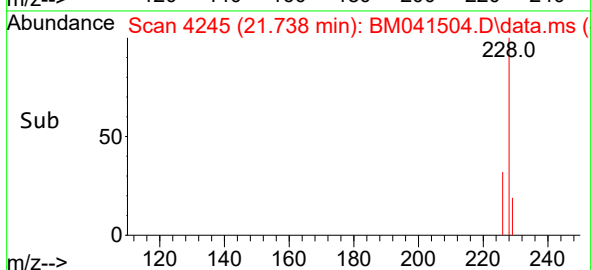
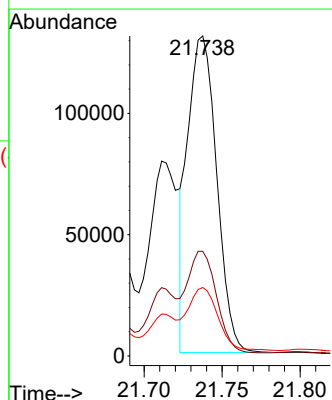
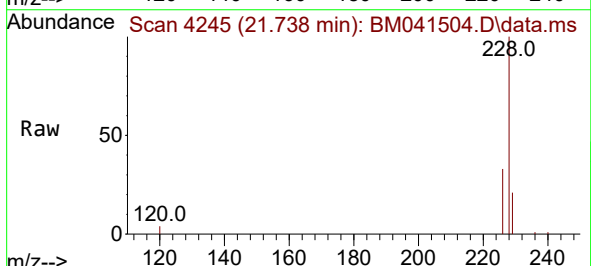
Tgt Ion:228 Resp: 167672

Ion Ratio Lower Upper

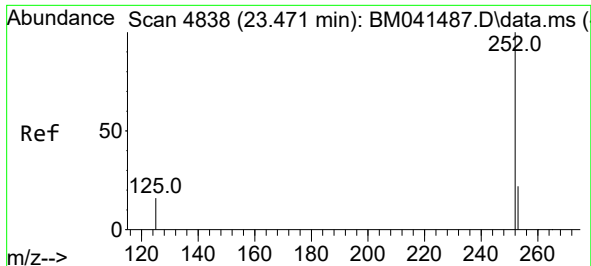
228 100

226 32.7 25.6 38.4

229 21.4 15.7 23.5

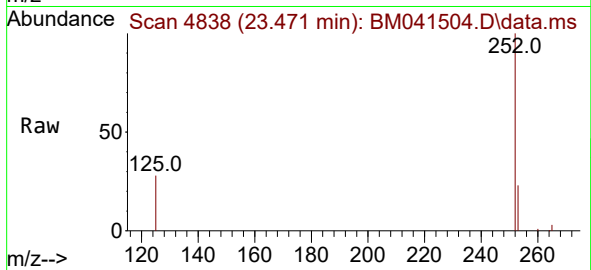




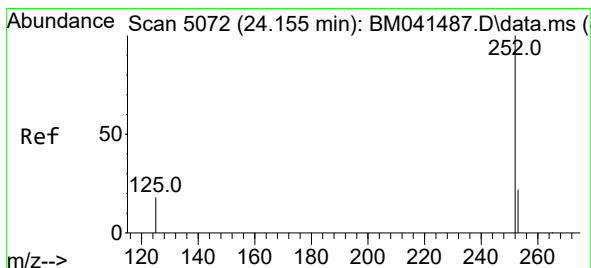
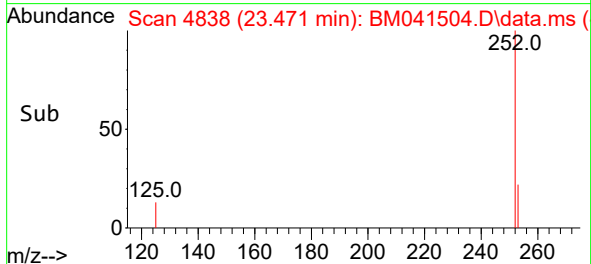
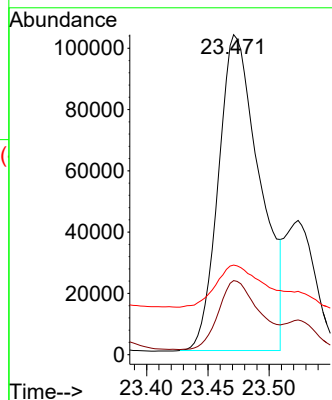


#24  
Benzo(b)fluoranthene  
Concen: 2.294 ng/ul  
RT: 23.471 min Scan# 4838  
Delta R.T. -0.012 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

Instrument :  
BNA\_M  
ClientSampleId :  
EZY2

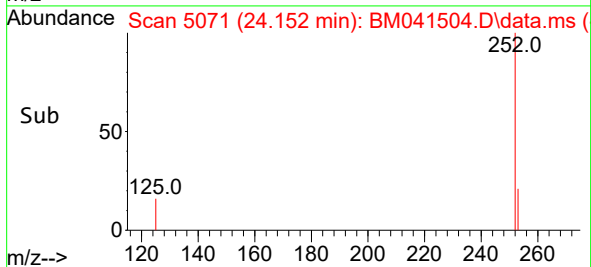
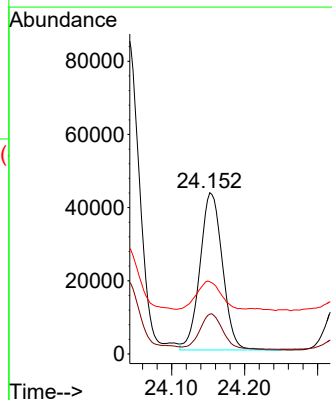
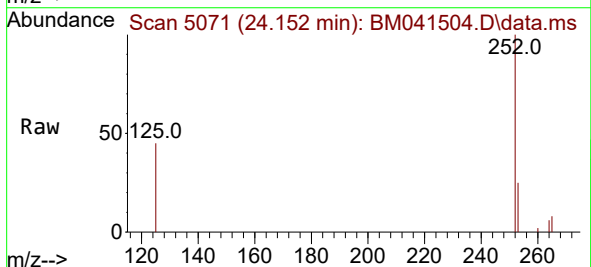


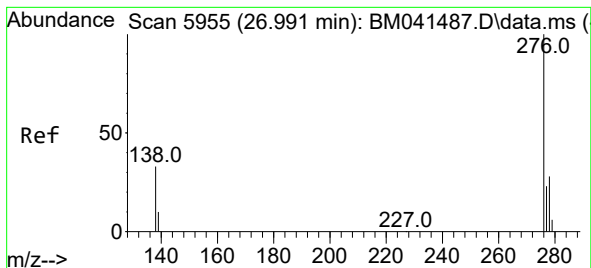
Tgt Ion:252 Resp: 242107  
Ion Ratio Lower Upper  
252 100  
253 23.2 0.0 46.8  
125 28.0 0.0 32.8



#26  
Benzo(a)pyrene  
Concen: 1.058 ng/ul  
RT: 24.152 min Scan# 5071  
Delta R.T. -0.012 min  
Lab File: BM041504.D  
Acq: 25 Aug 2023 21:36

Tgt Ion:252 Resp: 91711  
Ion Ratio Lower Upper  
252 100  
253 24.7 19.5 29.3  
125 44.7 16.0 24.0#





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.202 ng/ul

RT: 26.985 min Scan# 5953

Delta R.T. -0.020 min

Lab File: BM041504.D

Acq: 25 Aug 2023 21:36

Instrument :

BNA\_M

ClientSampleId :

EZY2

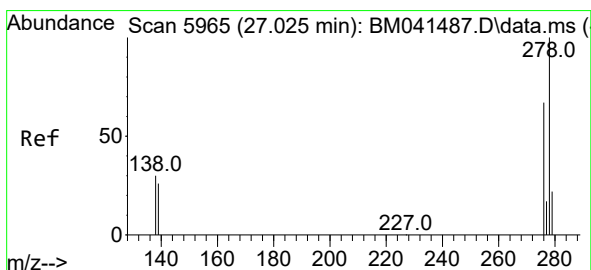
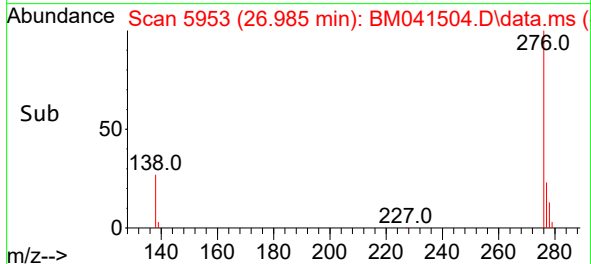
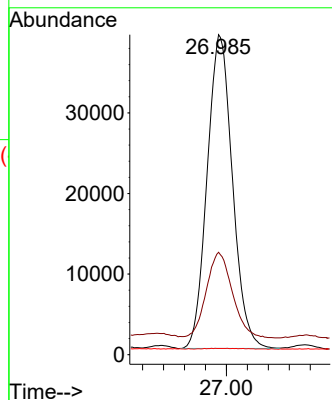
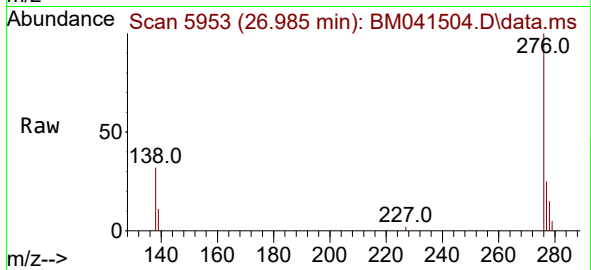
Tgt Ion:276 Resp: 130263

Ion Ratio Lower Upper

276 100

138 28.2 27.8 41.6

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.373 ng/ul

RT: 27.015 min Scan# 5962

Delta R.T. -0.030 min

Lab File: BM041504.D

Acq: 25 Aug 2023 21:36

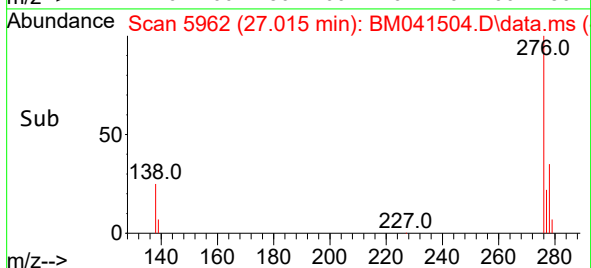
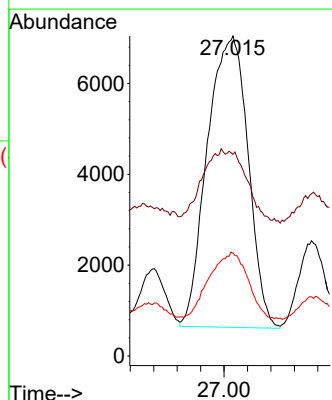
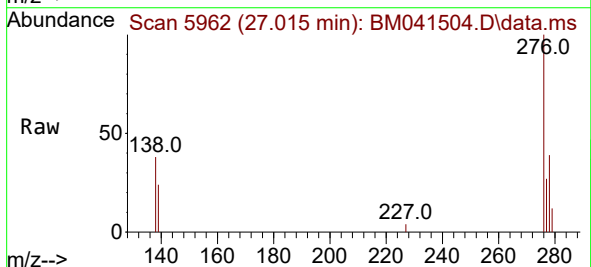
Tgt Ion:278 Resp: 30953

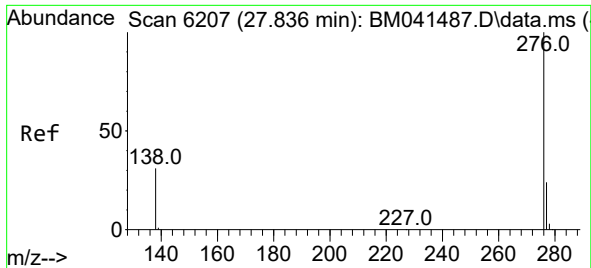
Ion Ratio Lower Upper

278 100

139 63.0 21.9 32.9#

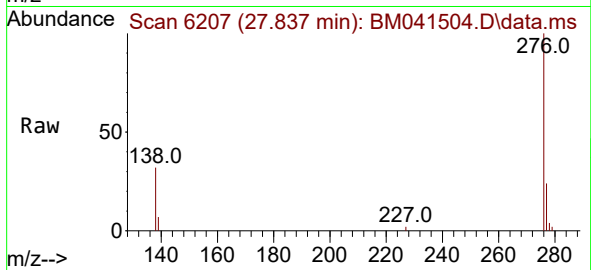
279 32.1 21.4 32.0#





#29  
 Benzo(g,h,i)perylene  
 Concen: 1.598 ng/ul  
 RT: 27.837 min Scan# 61  
 Delta R.T. -0.016 min  
 Lab File: BM041504.D  
 Acq: 25 Aug 2023 21:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EYZE2



Tgt Ion:276 Resp: 152492  
 Ion Ratio Lower Upper  
 276 100  
 138 31.5 25.9 38.9  
 277 24.2 19.4 29.2

