

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042924\  
 Data File : BM045621.D  
 Acq On : 29 Apr 2024 15:35  
 Operator : MA/JU  
 Sample : P2154-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 XA392

Quant Time: Apr 29 16:20:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 26 23:51:18 2024  
 Response via : Initial Calibration

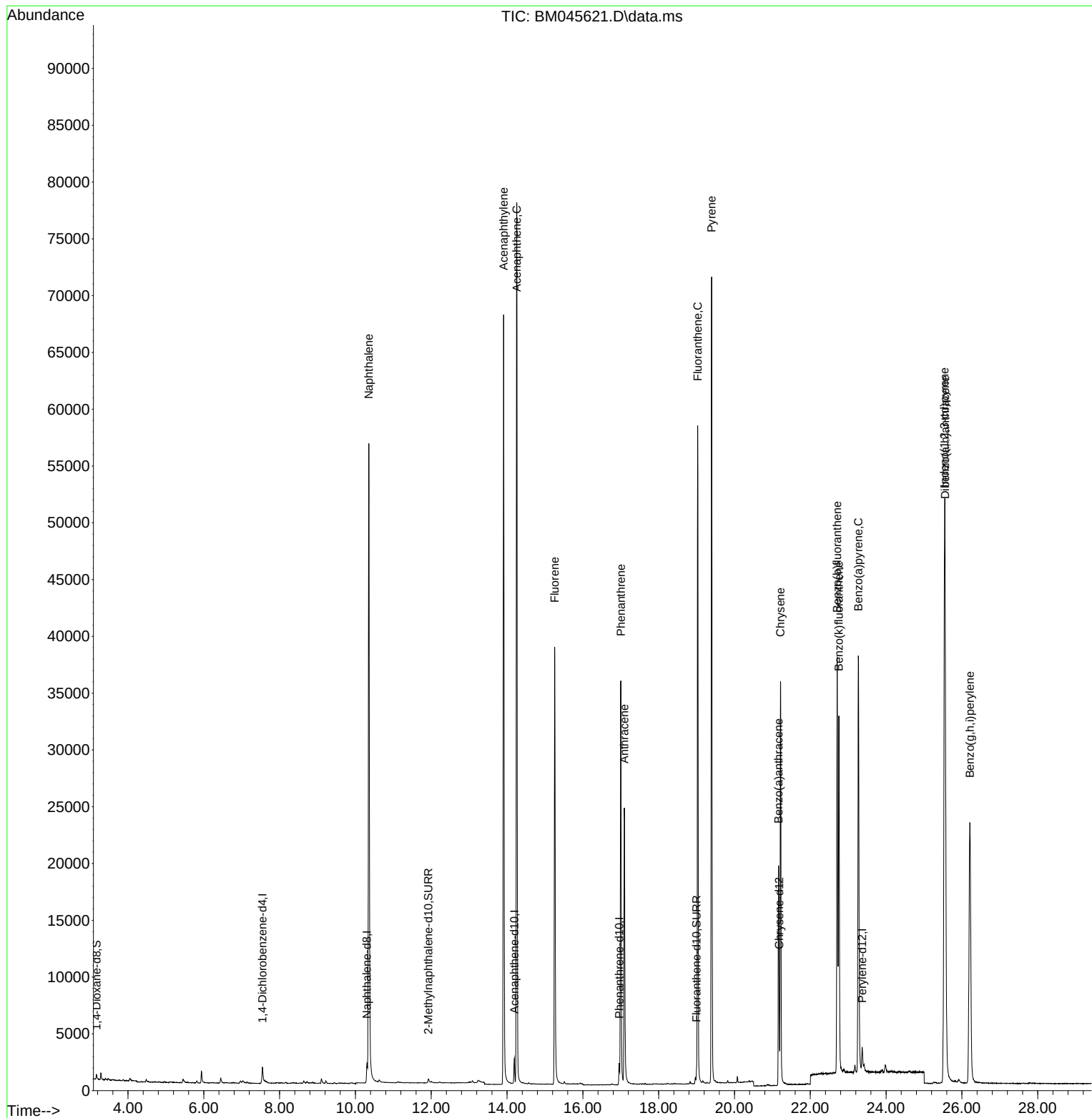
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.547  | 152  | 876      | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.303 | 136  | 2697     | 0.400  | ng/ul  | #-0.03   |
| 9) Acenaphthene-d10         | 14.191 | 164  | 1280     | 0.400  | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.959 | 188  | 2354     | 0.400  | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.178 | 240  | 2006     | 0.400  | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.370 | 264  | 2797     | 0.400  | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.167  | 96   | 333      | 0.284  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.925 | 152  | 702      | 0.197  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.001 | 212  | 1403     | 0.222  | ng/ul  | -0.02    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.353 | 128  | 87735    | 12.114 | ng/ul# | 86       |
| 10) Acenaphthylene          | 13.909 | 152  | 79264    | 12.557 | ng/ul# | 92       |
| 11) Acenaphthene            | 14.256 | 153  | 47029    | 10.032 | ng/ul  | 97       |
| 12) Fluorene                | 15.255 | 166  | 27513    | 5.487  | ng/ul# | 96       |
| 15) Phenanthrene            | 17.001 | 178  | 40512    | 5.909  | ng/ul  | 92       |
| 16) Anthracene              | 17.094 | 178  | 31003    | 4.834  | ng/ul# | 89       |
| 19) Fluoranthene            | 19.029 | 202  | 52887    | 5.713  | ng/ul# | 90       |
| 20) Pyrene                  | 19.396 | 202  | 64768    | 6.807  | ng/ul# | 91       |
| 21) Benzo(a)anthracene      | 21.161 | 228  | 18407    | 2.871  | ng/ul  | 92       |
| 22) Chrysene                | 21.213 | 228  | 35163    | 3.567  | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.709 | 252  | 46225    | 4.913  | ng/ul  | 84       |
| 25) Benzo(k)fluoranthene    | 22.753 | 252  | 39983    | 3.363  | ng/ul# | 84       |
| 26) Benzo(a)pyrene          | 23.268 | 252  | 54719    | 5.608  | ng/ul# | 73       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.541 | 276  | 72059    | 5.081  | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.554 | 278  | 45552    | 4.050  | ng/ul# | 80       |
| 29) Benzo(g,h,i)perylene    | 26.208 | 276  | 50972    | 4.000  | ng/ul# | 91       |
| -----                       |        |      |          |        |        |          |

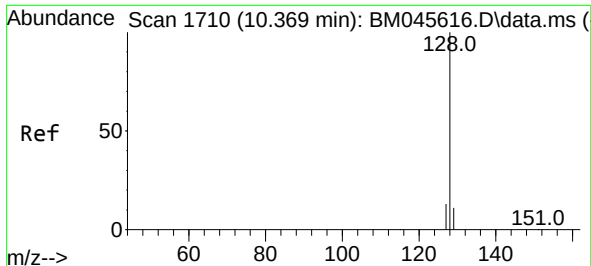
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042924\  
Data File : BM045621.D  
Acq On : 29 Apr 2024 15:35  
Operator : MA/JU  
Sample : P2154-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
XA392

Quant Time: Apr 29 16:20:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 26 23:51:18 2024  
Response via : Initial Calibration

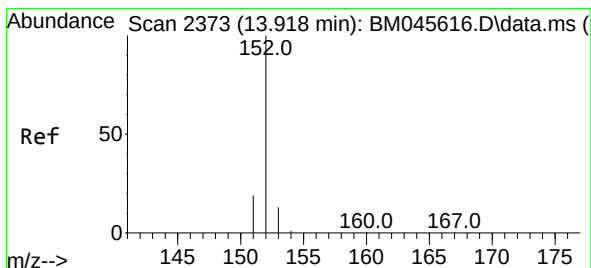
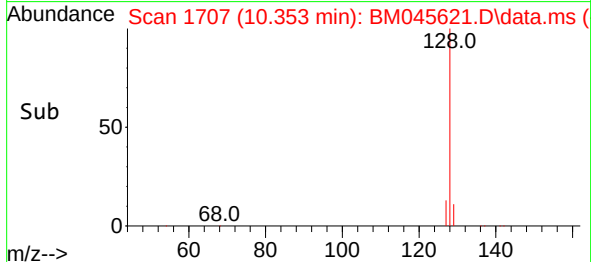
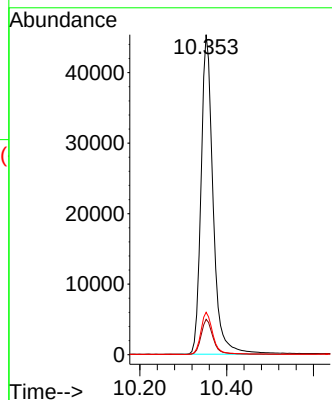
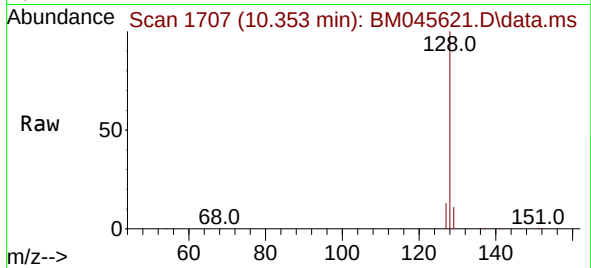




#5  
Naphthalene  
Concen: 12.114 ng/ul  
RT: 10.353 min Scan# 1707  
Delta R.T. -0.027 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

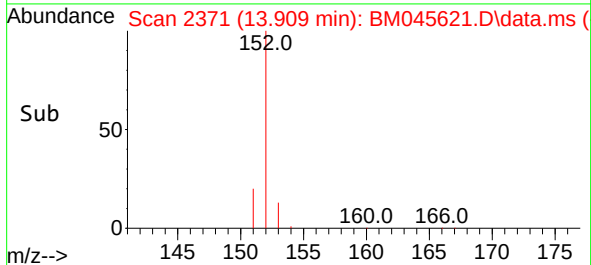
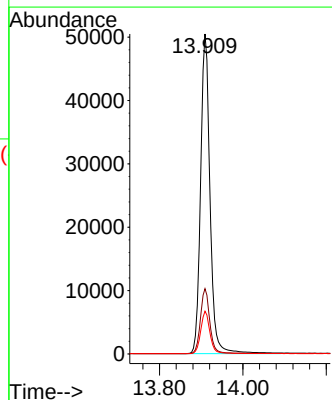
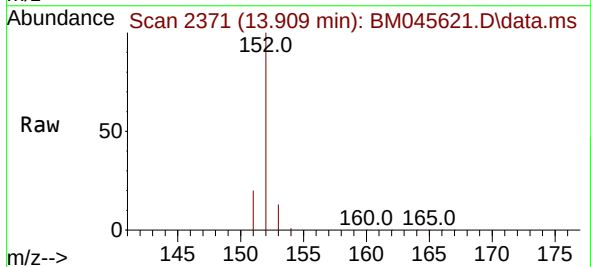
Instrument :  
BNA\_M  
ClientSampleId :  
XA392

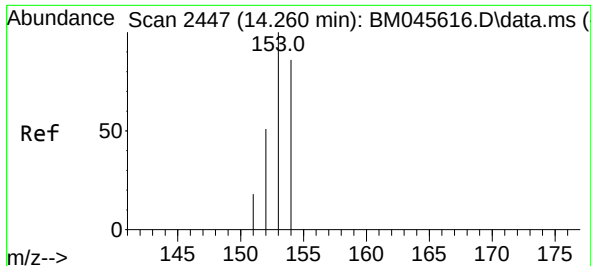
Tgt Ion:128 Resp: 87735  
Ion Ratio Lower Upper  
128 100  
129 11.0 14.0 21.0#  
127 13.2 15.4 23.2#



#10  
Acenaphthylene  
Concen: 12.557 ng/ul  
RT: 13.909 min Scan# 2371  
Delta R.T. -0.018 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:152 Resp: 79264  
Ion Ratio Lower Upper  
152 100  
151 20.4 18.6 28.0  
153 13.3 14.1 21.1#

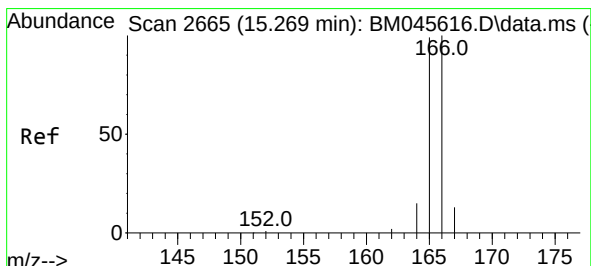
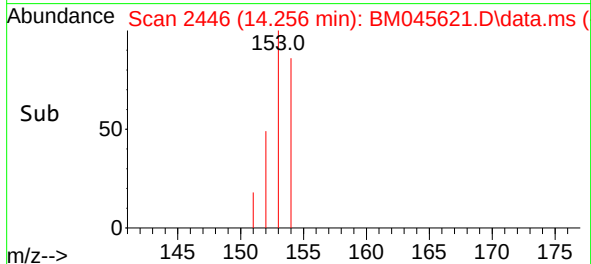
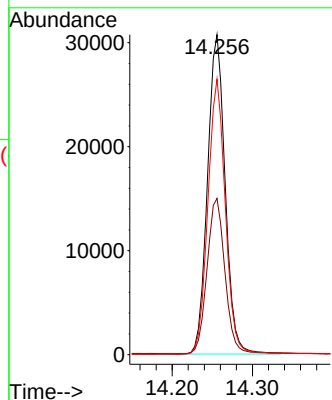
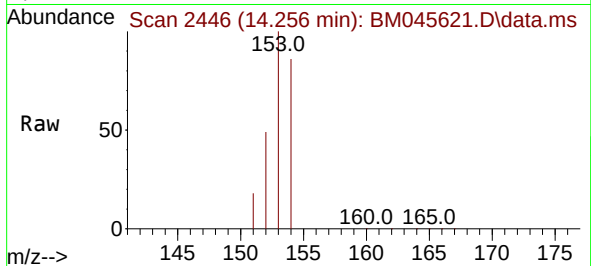




#11  
Acenaphthene  
Concen: 10.032 ng/ul  
RT: 14.256 min Scan# 2446  
Delta R.T. -0.014 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

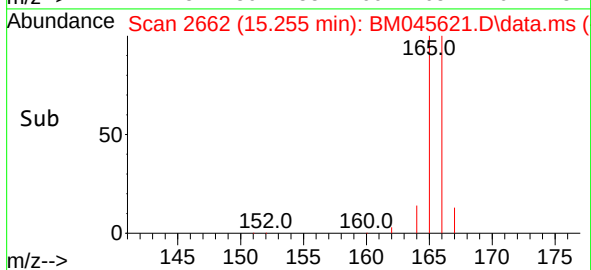
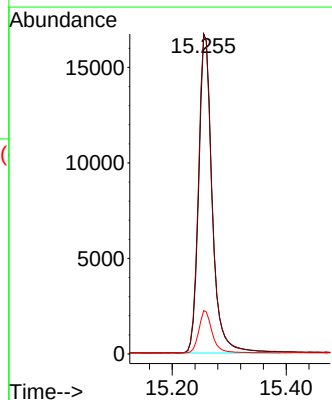
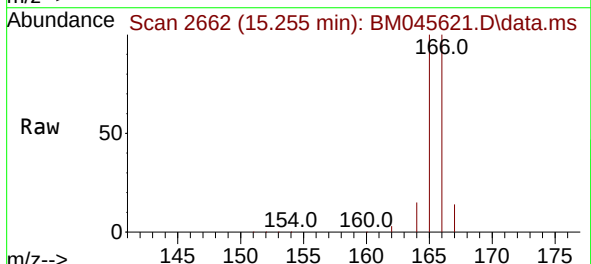
Instrument :  
BNA\_M  
ClientSampleId :  
XA392

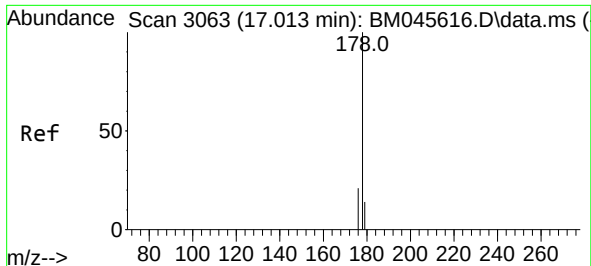
Tgt Ion:153 Resp: 47029  
Ion Ratio Lower Upper  
153 100  
152 48.9 43.4 65.2  
154 86.1 69.0 103.6



#12  
Fluorene  
Concen: 5.487 ng/ul  
RT: 15.255 min Scan# 2662  
Delta R.T. -0.023 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:166 Resp: 27513  
Ion Ratio Lower Upper  
166 100  
165 99.9 82.2 123.2  
167 13.6 14.8 22.2#

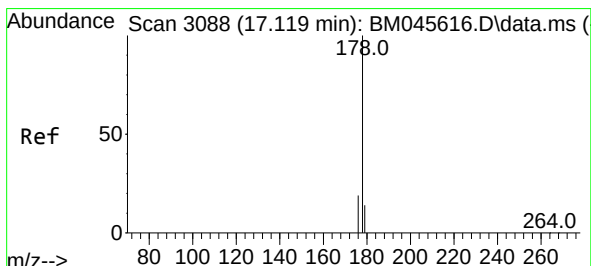
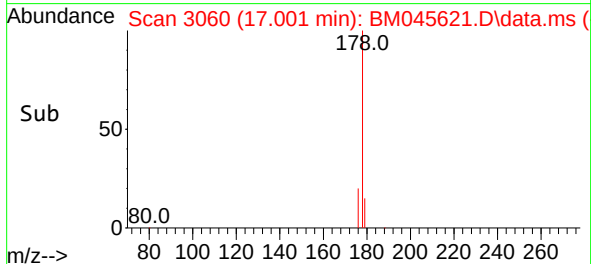
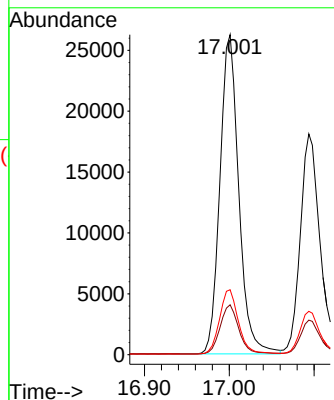
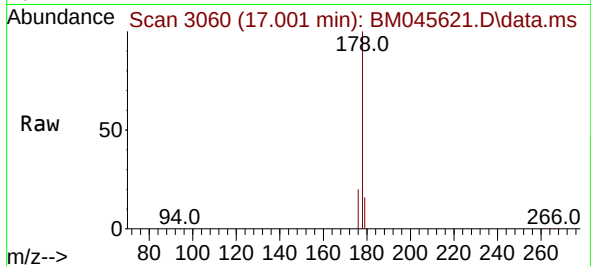




#15  
Phenanthrene  
Concen: 5.909 ng/u1  
RT: 17.001 min Scan# 3060  
Delta R.T. -0.021 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

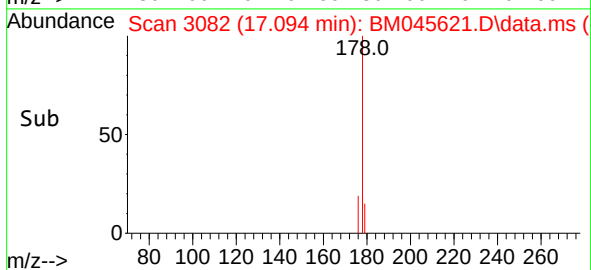
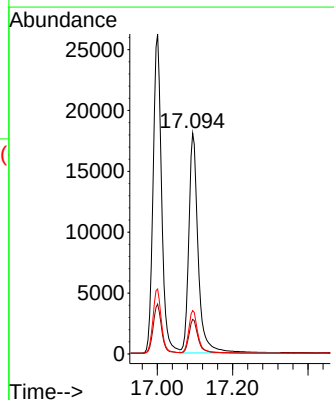
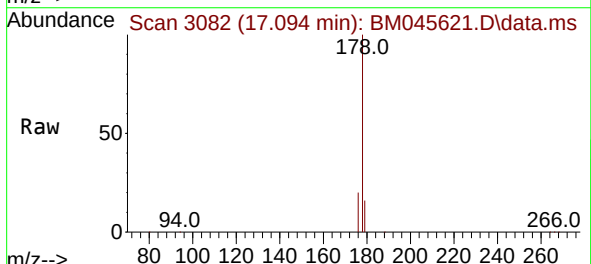
Instrument :  
BNA\_M  
ClientSampleId :  
XA392

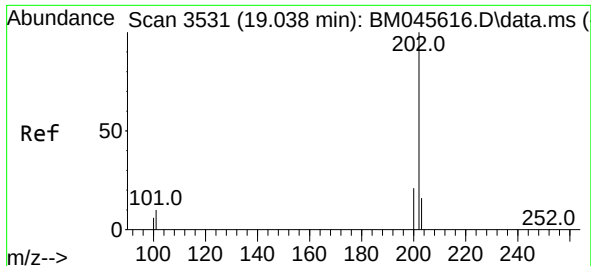
Tgt Ion:178 Resp: 40512  
Ion Ratio Lower Upper  
178 100  
179 15.6 15.4 23.2  
176 20.3 19.0 28.4



#16  
Anthracene  
Concen: 4.834 ng/u1  
RT: 17.094 min Scan# 3082  
Delta R.T. -0.025 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:178 Resp: 31003  
Ion Ratio Lower Upper  
178 100  
179 15.7 17.8 26.6#  
176 19.6 18.7 28.1

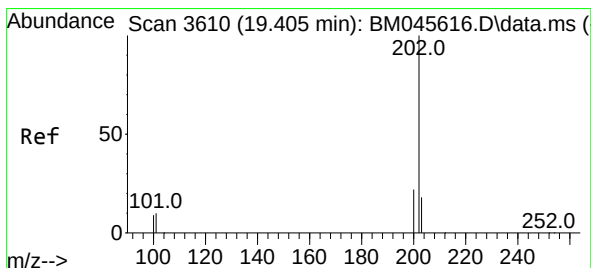
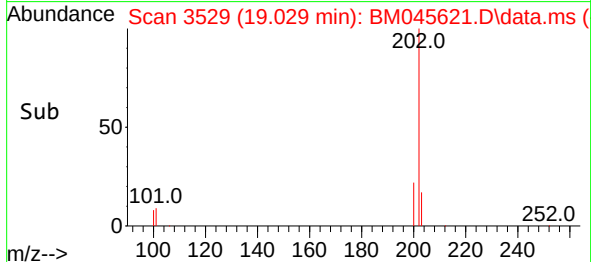
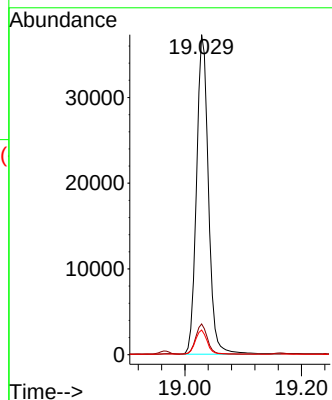
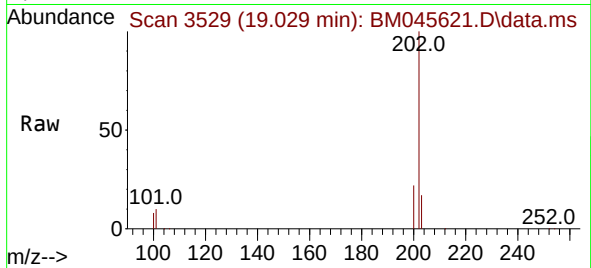




#19  
Fluoranthene  
Concen: 5.713 ng/u1  
RT: 19.029 min Scan# 3529  
Delta R.T. -0.019 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

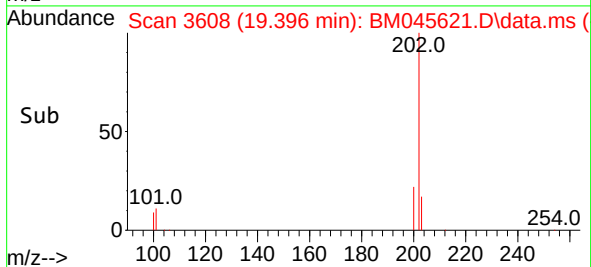
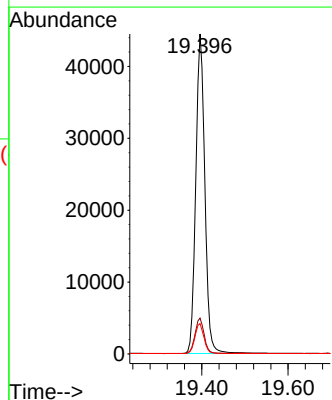
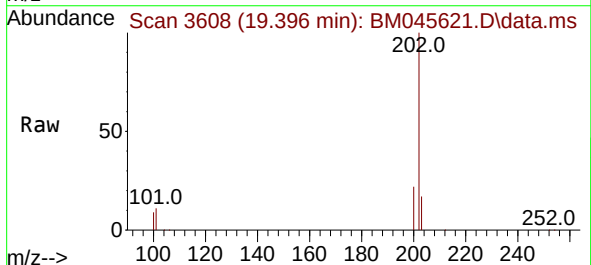
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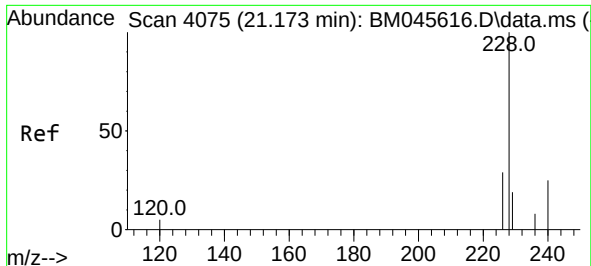
Tgt Ion:202 Resp: 52887  
Ion Ratio Lower Upper  
202 100  
101 9.6 11.2 16.8#  
100 7.7 9.1 13.7#



#20  
Pyrene  
Concen: 6.807 ng/u1  
RT: 19.396 min Scan# 3608  
Delta R.T. -0.019 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:202 Resp: 64768  
Ion Ratio Lower Upper  
202 100  
101 11.2 11.5 17.3#  
100 9.5 10.6 15.8#

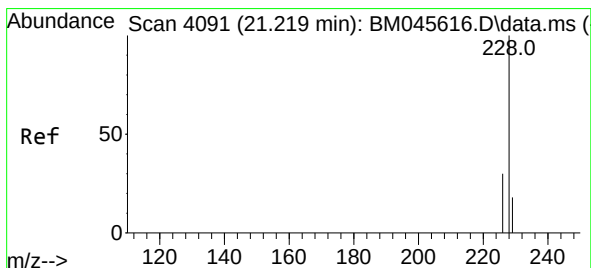
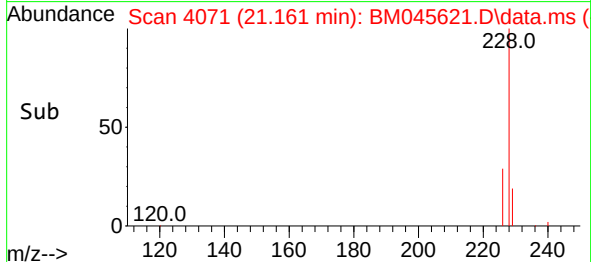
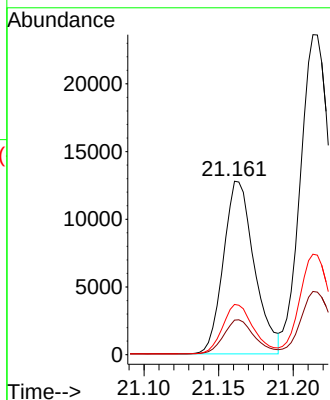
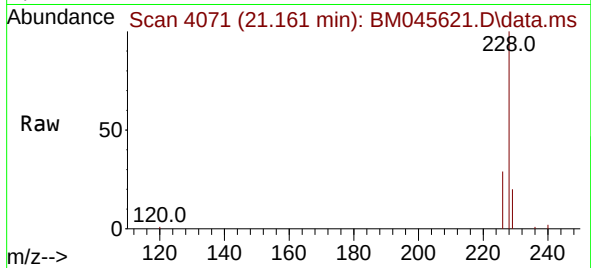




#21  
Benzo(a)anthracene  
Concen: 2.871 ng/ul  
RT: 21.161 min Scan# 4071  
Delta R.T. -0.021 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

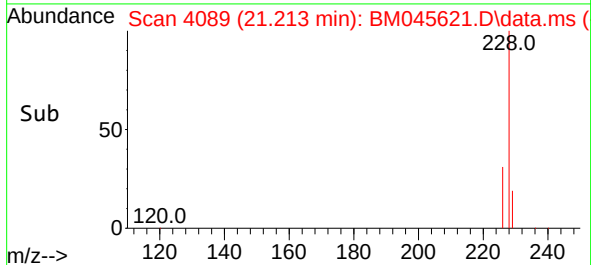
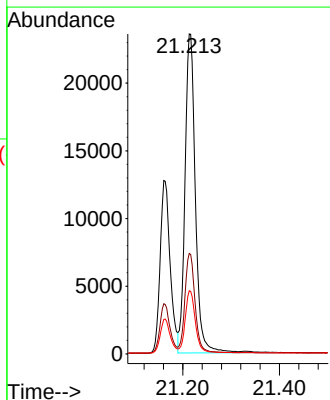
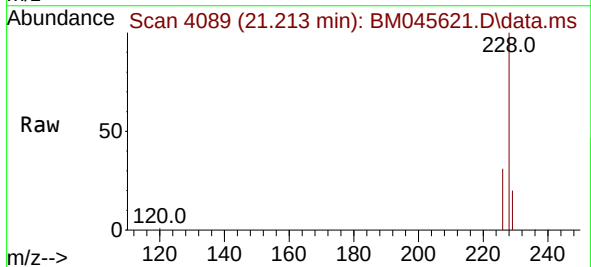
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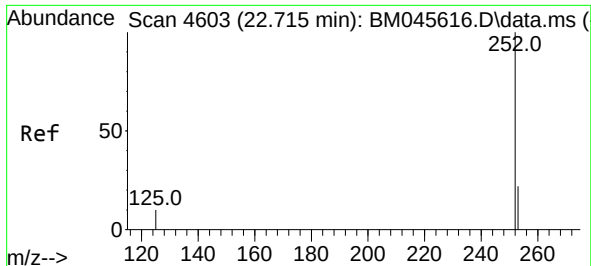
Tgt Ion:228 Resp: 18407  
Ion Ratio Lower Upper  
228 100  
229 19.9 19.4 29.2  
226 29.0 26.3 39.5



#22  
Chrysene  
Concen: 3.567 ng/ul  
RT: 21.213 min Scan# 4089  
Delta R.T. -0.015 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:228 Resp: 35163  
Ion Ratio Lower Upper  
228 100  
226 31.4 26.3 39.5  
229 19.7 17.8 26.8

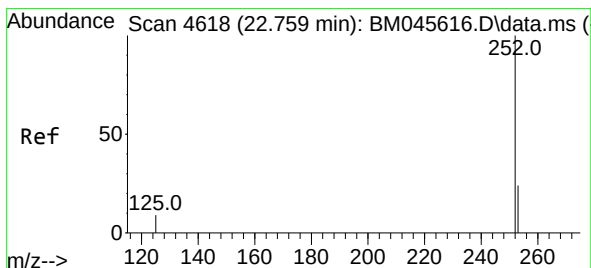
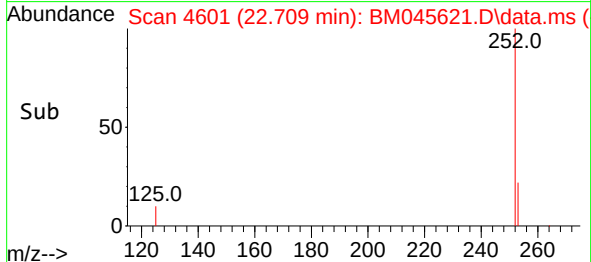
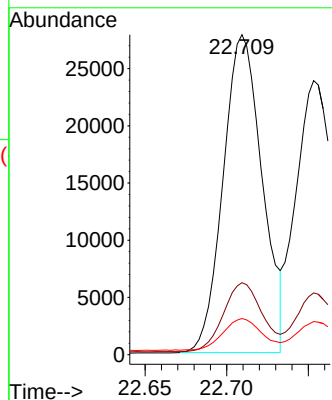
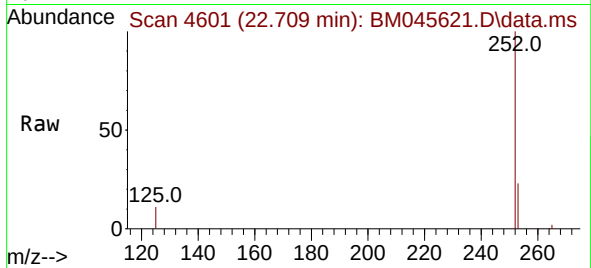




#24  
Benzo(b)fluoranthene  
Concen: 4.913 ng/ul  
RT: 22.709 min Scan# 4601  
Delta R.T. -0.021 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

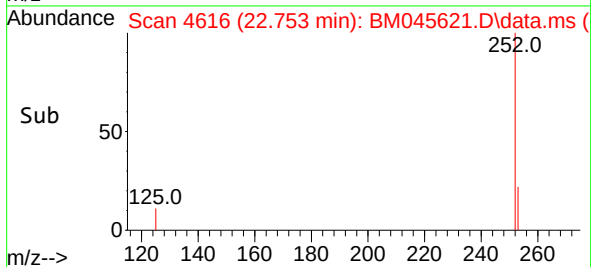
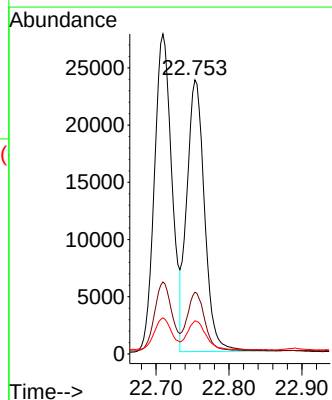
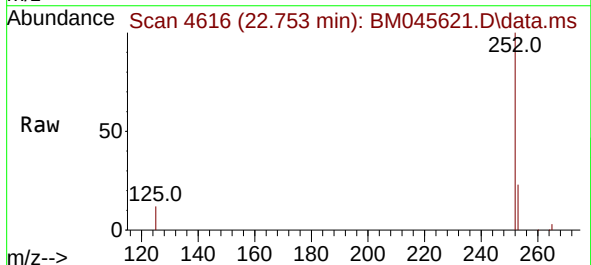
Instrument :  
BNA\_M  
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XA392

Tgt Ion:252 Resp: 46225  
Ion Ratio Lower Upper  
252 100  
253 22.5 0.0 63.4  
125 11.3 0.0 36.8

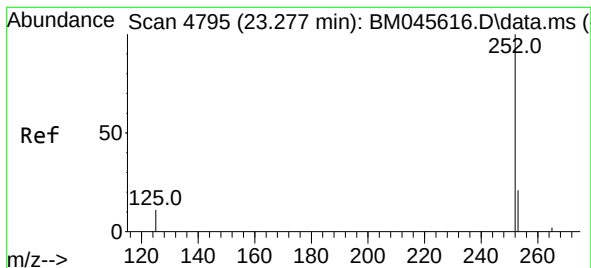


#25  
Benzo(k)fluoranthene  
Concen: 3.363 ng/ul  
RT: 22.753 min Scan# 4616  
Delta R.T. -0.018 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:252 Resp: 39983  
Ion Ratio Lower Upper  
252 100  
253 22.6 25.4 38.0#  
125 12.1 14.8 22.2#







#26

Benzo(a)pyrene

Concen: 5.608 ng/ul

RT: 23.268 min Scan# 4792

Delta R.T. -0.024 min

Lab File: BM045621.D

Acq: 29 Apr 2024 15:35

Instrument :

BNA\_M

ClientSampleId :

XA392

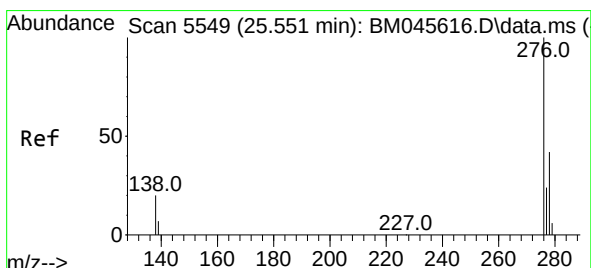
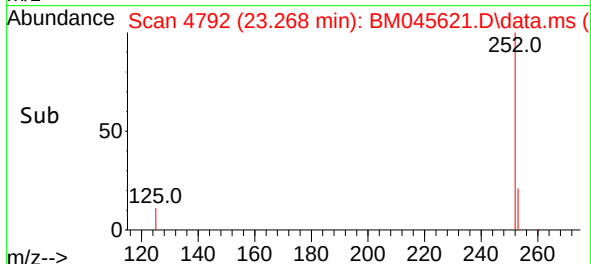
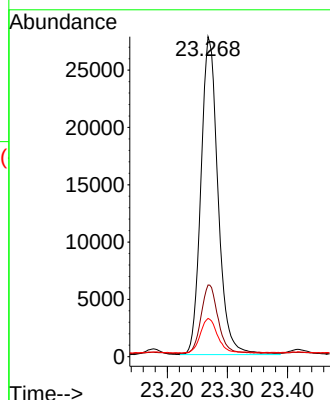
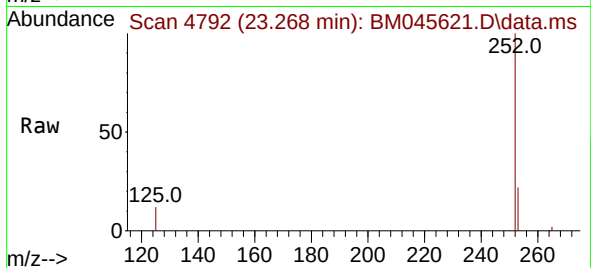
Tgt Ion:252 Resp: 54719

Ion Ratio Lower Upper

252 100

253 22.4 31.6 47.4#

125 11.9 19.5 29.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.081 ng/ul

RT: 25.541 min Scan# 5546

Delta R.T. -0.030 min

Lab File: BM045621.D

Acq: 29 Apr 2024 15:35

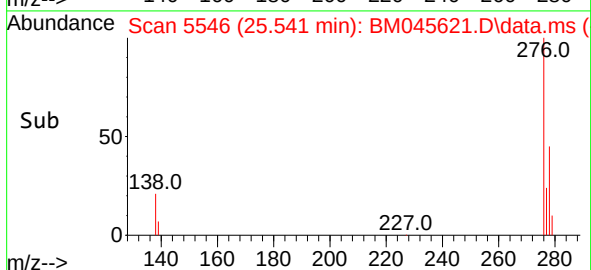
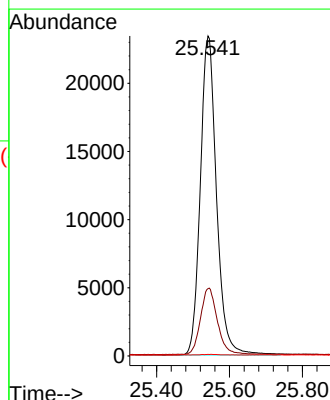
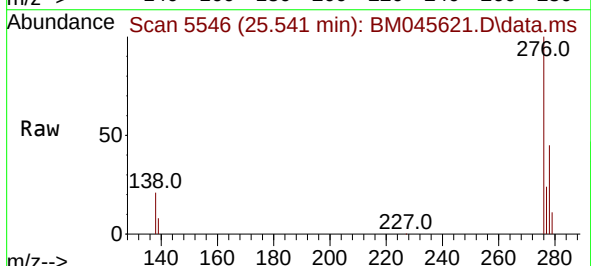
Tgt Ion:276 Resp: 72059

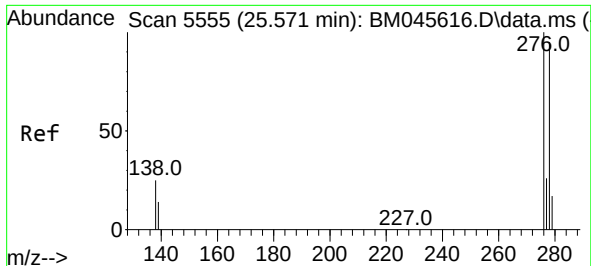
Ion Ratio Lower Upper

276 100

138 21.5 19.8 29.6

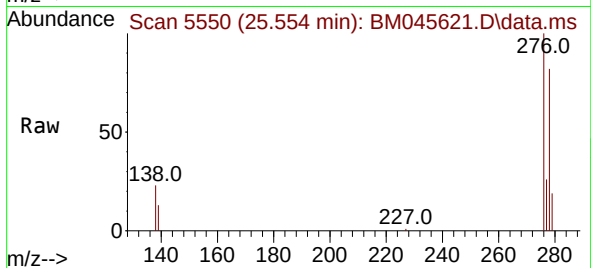
227 0.2 0.2 0.2#



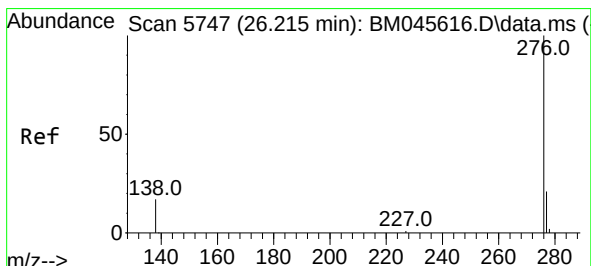
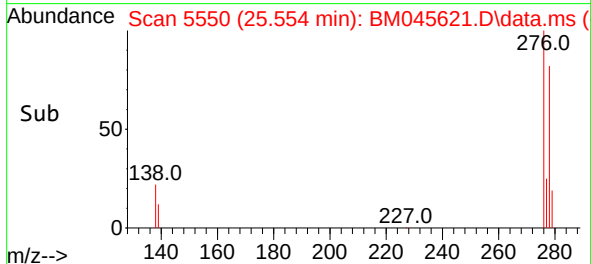
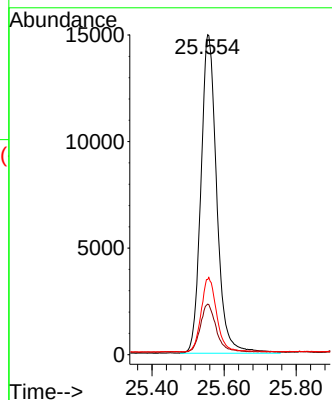


#28  
Dibenzo(a,h)anthracene  
Concen: 4.050 ng/ul  
RT: 25.554 min Scan# 51  
Delta R.T. -0.034 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
XA392



Tgt Ion:278 Resp: 45552  
Ion Ratio Lower Upper  
278 100  
139 15.8 19.0 28.6#  
279 23.5 29.4 44.2#



#29  
Benzo(g,h,i)perylene  
Concen: 4.000 ng/ul  
RT: 26.208 min Scan# 5745  
Delta R.T. -0.027 min  
Lab File: BM045621.D  
Acq: 29 Apr 2024 15:35

Tgt Ion:276 Resp: 50972  
Ion Ratio Lower Upper  
276 100  
138 19.9 20.8 31.2#  
277 23.6 21.8 32.8

