

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012224\
 Data File : BM043886.D
 Acq On : 22 Jan 2024 15:29
 Operator : MA/JU
 Sample : P1160-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 XA312

Quant Time: Jan 22 16:03:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 22:45:24 2024
 Response via : Initial Calibration

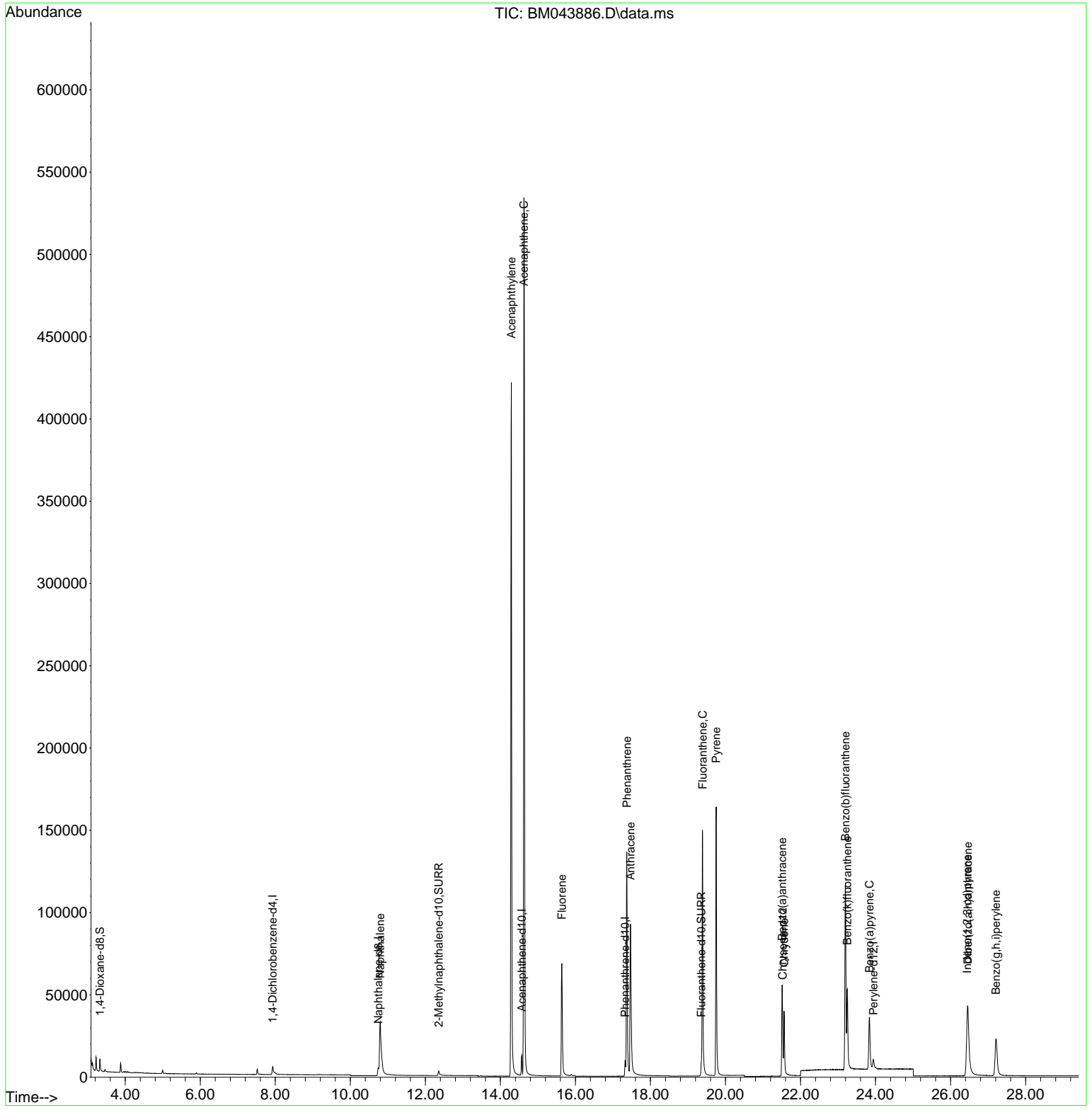
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.930 | 152 | 5050 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.742 | 136 | 13329 | 0.400 | ng/ul | -0.02 |
| 9) Acenaphthene-d10 | 14.569 | 164 | 6705 | 0.400 | ng/ul | -0.02 |
| 13) Phenanthrene-d10 | 17.325 | 188 | 12313 | 0.400 | ng/ul | -0.03 |
| 17) Chrysene-d12 | 21.524 | 240 | 7933 | 0.400 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.942 | 264 | 9498 | 0.400 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.327 | 96 | 4650 | 0.676 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.358 | 152 | 6090 | 0.360 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.357 | 212 | 10266 | 0.393 | ng/ul | -0.01 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 5) Naphthalene | 10.797 | 128 | 89849 | 2.315 | ng/ul | 96 |
| 10) Acenaphthylene | 14.291 | 152 | 502351 | 14.015 | ng/ul | 97 |
| 11) Acenaphthene | 14.629 | 153 | 344776 | 12.927 | ng/ul | 98 |
| 12) Fluorene | 15.638 | 166 | 60818 | 2.206 | ng/ul | 98 |
| 15) Phenanthrene | 17.371 | 178 | 168062 | 4.306 | ng/ul | 98 |
| 16) Anthracene | 17.468 | 178 | 154018 | 4.236 | ng/ul | 98 |
| 19) Fluoranthene | 19.390 | 202 | 149480 | 3.544 | ng/ul | 98 |
| 20) Pyrene | 19.752 | 202 | 157554 | 3.566 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.510 | 228 | 59629 | 1.934 | ng/ul | 99 |
| 22) Chrysene | 21.562 | 228 | 47824 | 1.153 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.196 | 252 | 160047 | 4.428 | ng/ul | 83 |
| 25) Benzo(k)fluoranthene | 23.249 | 252 | 78015 | 1.797 | ng/ul# | 85 |
| 26) Benzo(a)pyrene | 23.836 | 252 | 61144 | 1.657 | ng/ul# | 75 |
| 27) Indeno(1,2,3-cd)pyrene | 26.441 | 276 | 66473 | 1.396 | ng/ul# | 97 |
| 28) Dibenzo(a,h)anthracene | 26.461 | 278 | 64609 | 1.777 | ng/ul# | 88 |
| 29) Benzo(g,h,i)perylene | 27.213 | 276 | 61349 | 1.444 | ng/ul | 95 |

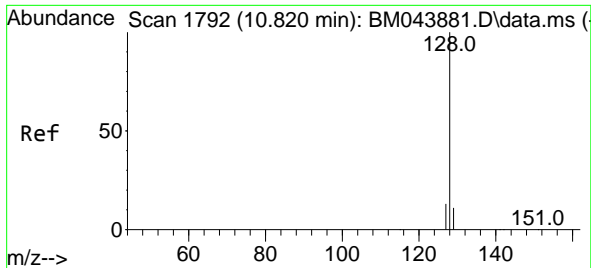
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012224\
 Data File : BM043886.D
 Acq On : 22 Jan 2024 15:29
 Operator : MA/JU
 Sample : P1160-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 XA312

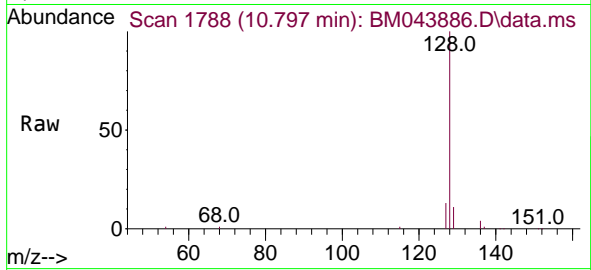
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 22:45:24 2024
 Response via : Initial Calibration



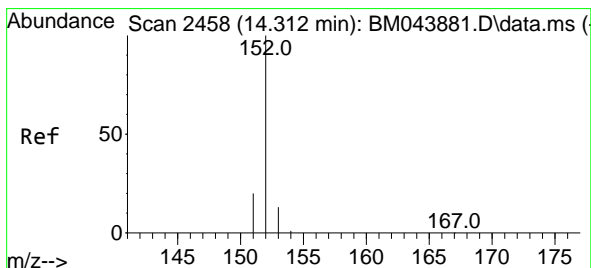
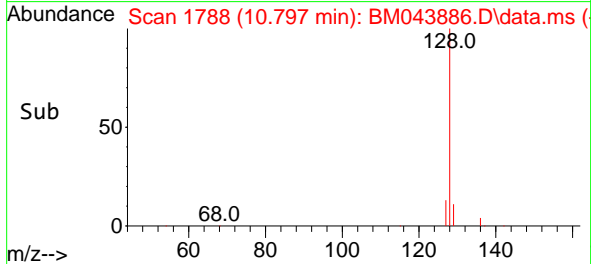
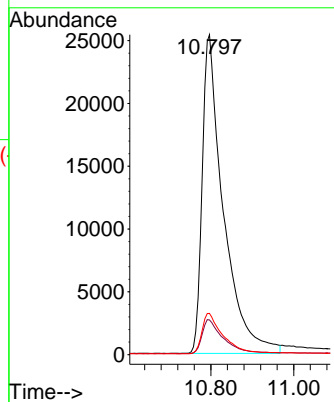


#5
 Naphthalene
 Concen: 2.315 ng/uI
 RT: 10.797 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument :
 BNA_M
 ClientSampleId :
 XA312

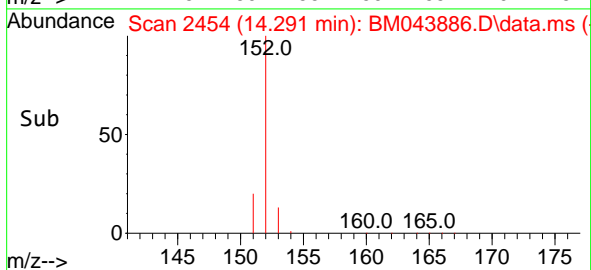
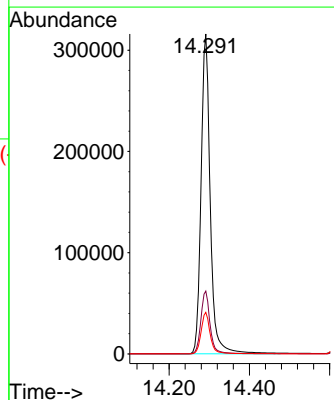
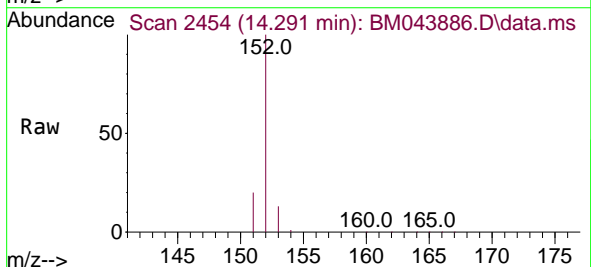


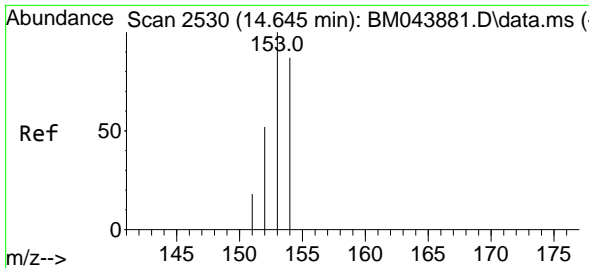
Tgt Ion:128 Resp: 89849
 Ion Ratio Lower Upper
 128 100
 129 10.8 10.0 15.0
 127 12.9 11.4 17.0



#10
 Acenaphthylene
 Concen: 14.015 ng/uI
 RT: 14.291 min Scan# 2454
 Delta R.T. -0.020 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

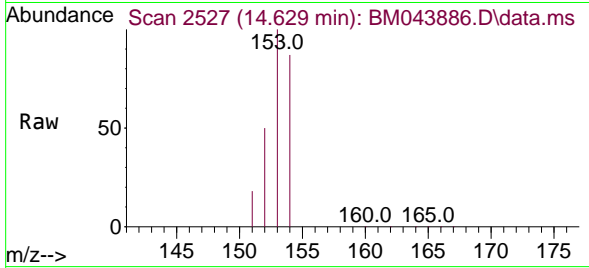
Tgt Ion:152 Resp: 502351
 Ion Ratio Lower Upper
 152 100
 151 19.6 16.6 24.8
 153 13.0 11.7 17.5



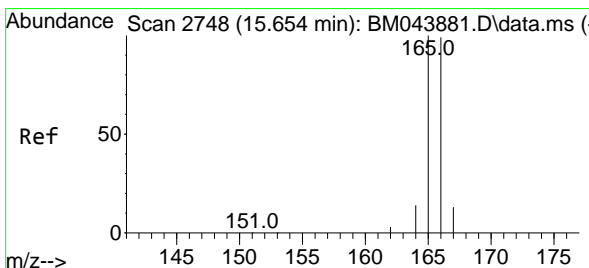
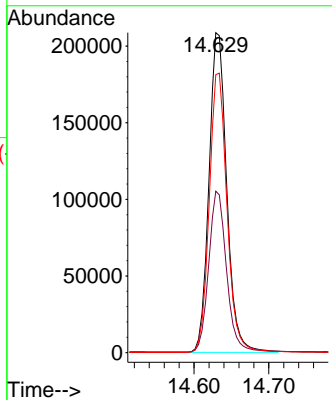
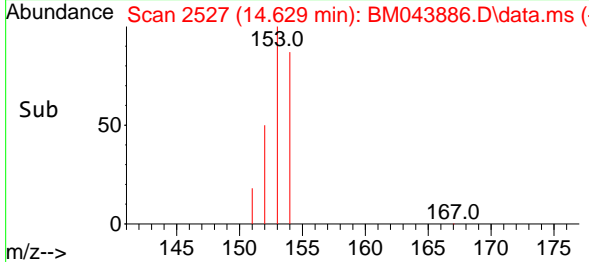


#11
 Acenaphthene
 Concen: 12.927 ng/u1
 RT: 14.629 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

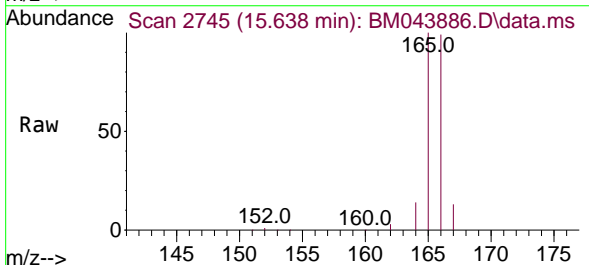
Instrument :
 BNA_M
 ClientSampleId :
 XA312



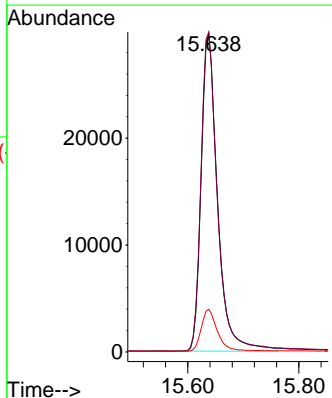
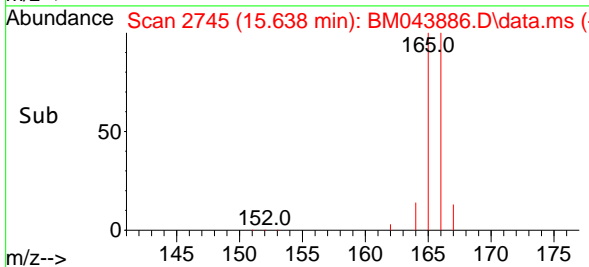
Tgt Ion:153 Resp: 344776
 Ion Ratio Lower Upper
 153 100
 152 50.4 42.1 63.1
 154 86.9 69.0 103.6

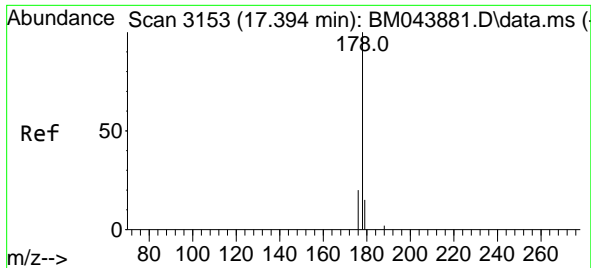


#12
 Fluorene
 Concen: 2.206 ng/u1
 RT: 15.638 min Scan# 2745
 Delta R.T. -0.015 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29



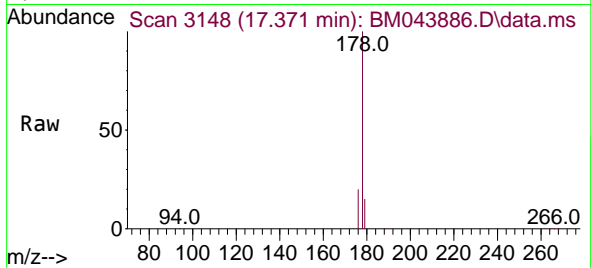
Tgt Ion:166 Resp: 60818
 Ion Ratio Lower Upper
 166 100
 165 100.6 79.2 118.8
 167 13.4 11.4 17.2



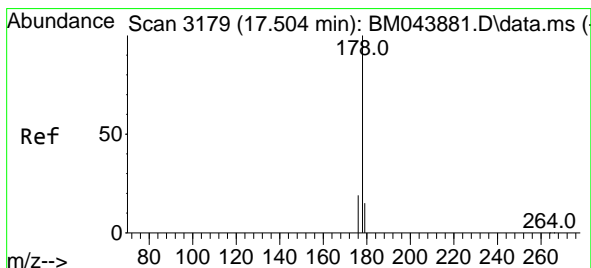
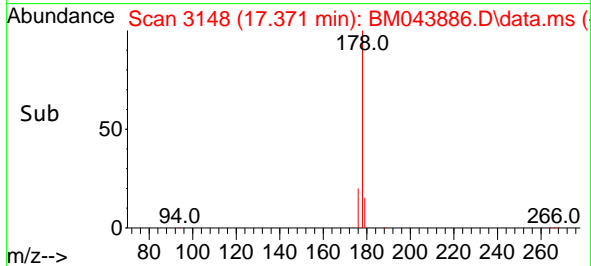
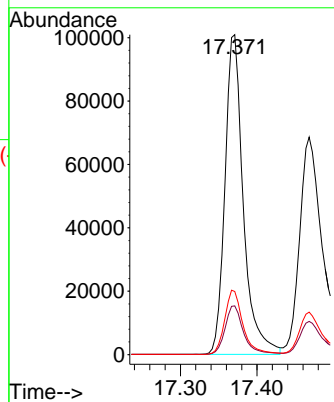


#15
 Phenanthrene
 Concen: 4.306 ng/u1
 RT: 17.371 min Scan# 3153
 Delta R.T. -0.022 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument : BNA_M
 ClientSampleId : XA312

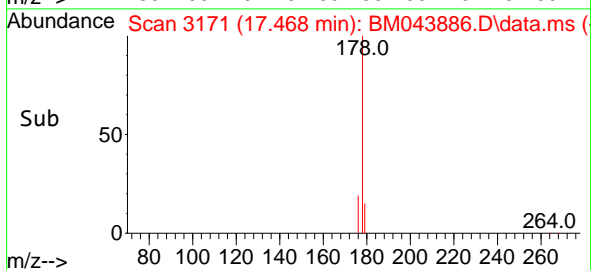
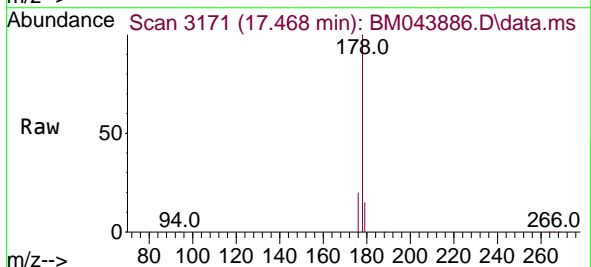
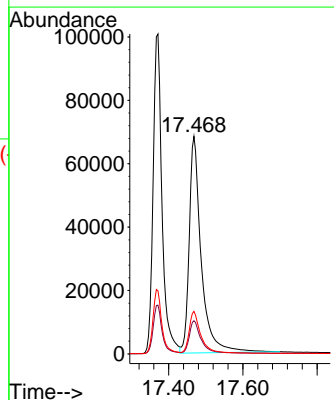


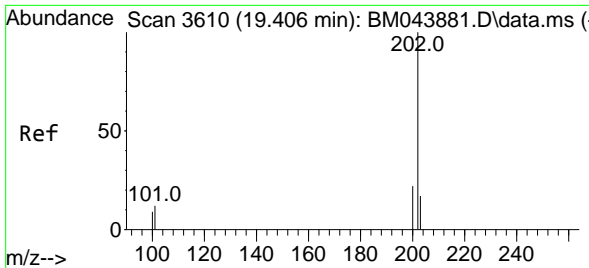
Tgt Ion:178 Resp: 168062
 Ion Ratio Lower Upper
 178 100
 179 15.2 13.0 19.6
 176 19.7 16.4 24.6



#16
 Anthracene
 Concen: 4.236 ng/u1
 RT: 17.468 min Scan# 3171
 Delta R.T. -0.027 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

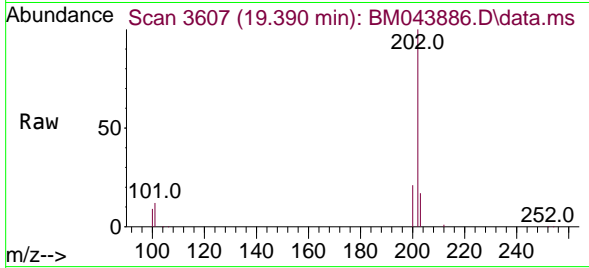
Tgt Ion:178 Resp: 154018
 Ion Ratio Lower Upper
 178 100
 179 15.3 13.2 19.8
 176 19.5 16.2 24.2



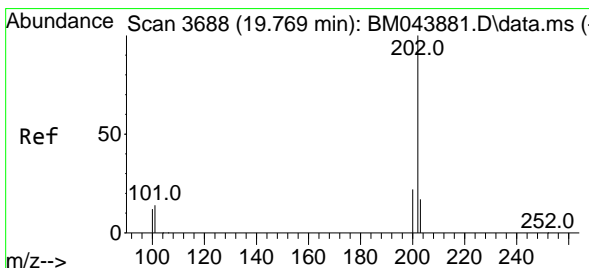
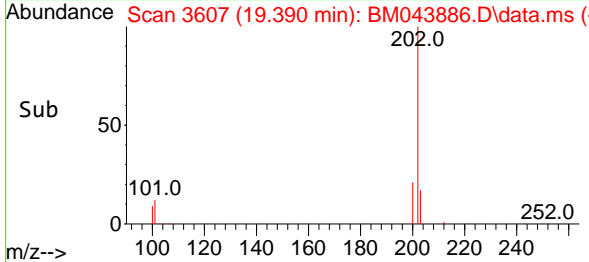
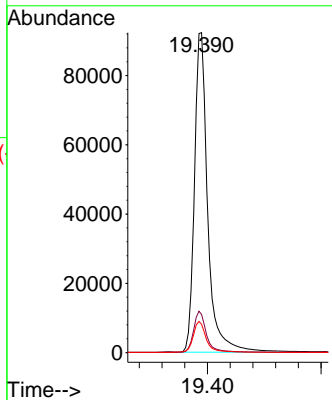


#19
 Fluoranthene
 Concen: 3.544 ng/uI
 RT: 19.390 min Scan# 3607
 Delta R.T. -0.011 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument :
 BNA_M
 ClientSampleId :
 XA312

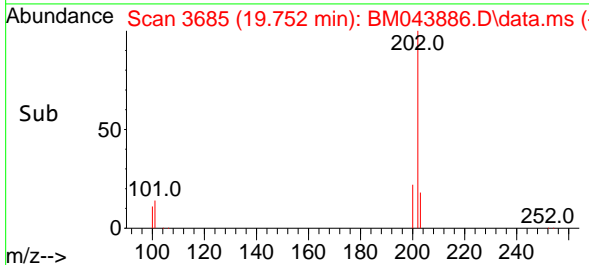
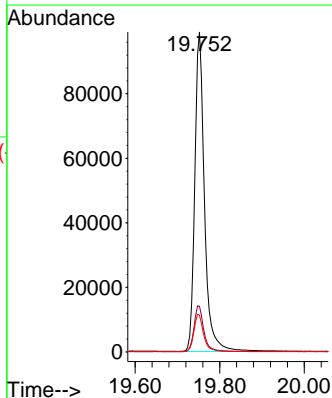
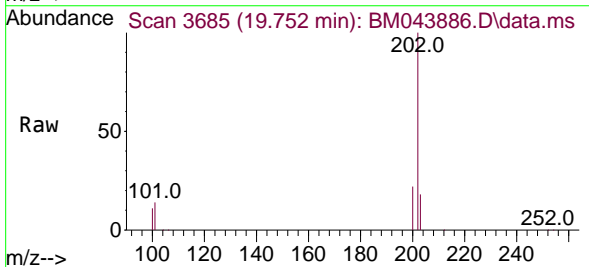


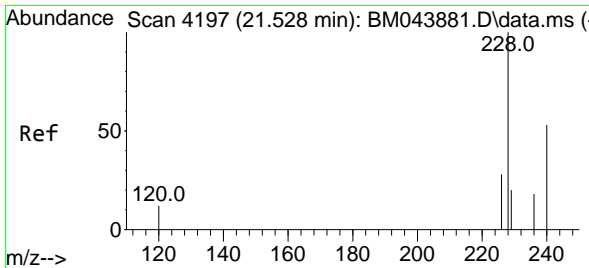
Tgt Ion:202 Resp: 149480
 Ion Ratio Lower Upper
 202 100
 101 11.9 10.1 15.1
 100 8.9 8.0 12.0



#20
 Pyrene
 Concen: 3.566 ng/uI
 RT: 19.752 min Scan# 3685
 Delta R.T. -0.016 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

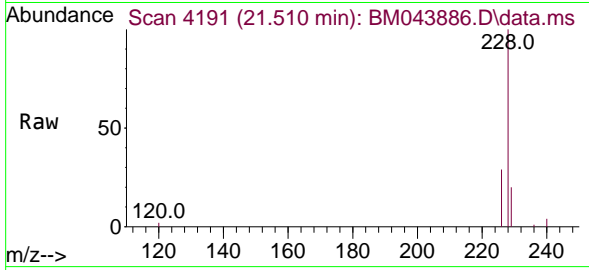
Tgt Ion:202 Resp: 157554
 Ion Ratio Lower Upper
 202 100
 101 14.3 11.9 17.9
 100 11.5 9.5 14.3



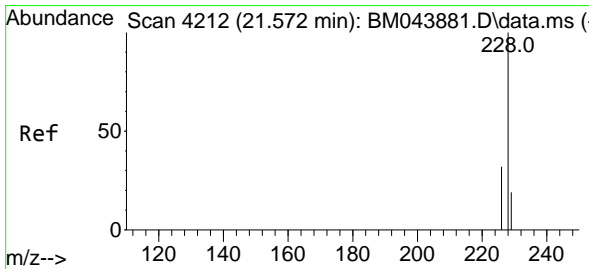
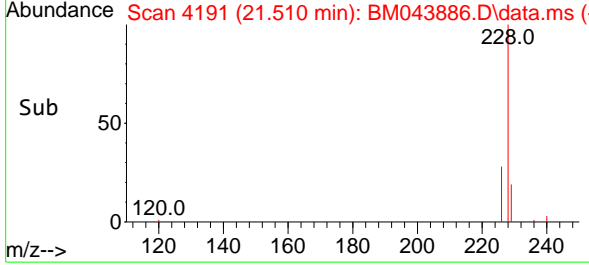
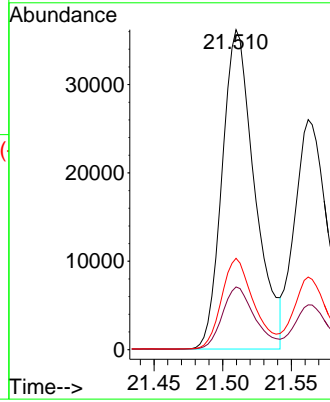


#21
 Benzo(a)anthracene
 Concen: 1.934 ng/u1
 RT: 21.510 min Scan# 4191
 Delta R.T. -0.014 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument :
 BNA_M
 ClientSampleId :
 XA312

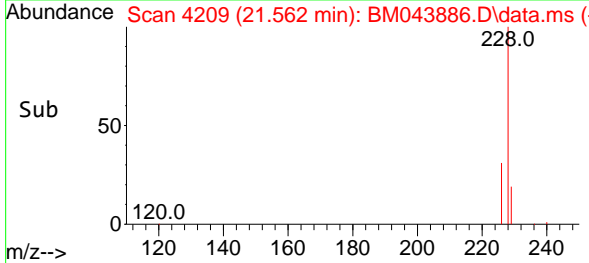
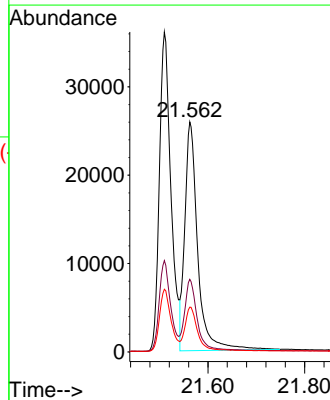
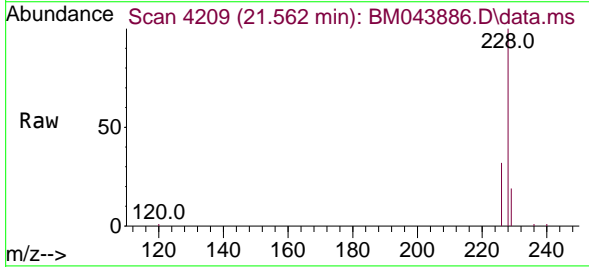


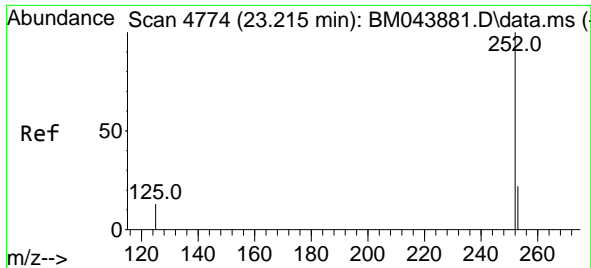
Tgt Ion:228 Resp: 59629
 Ion Ratio Lower Upper
 228 100
 229 19.6 16.5 24.7
 226 28.5 23.1 34.7



#22
 Chrysene
 Concen: 1.153 ng/u1
 RT: 21.562 min Scan# 4209
 Delta R.T. -0.011 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Tgt Ion:228 Resp: 47824
 Ion Ratio Lower Upper
 228 100
 226 31.5 26.2 39.2
 229 19.4 16.2 24.2



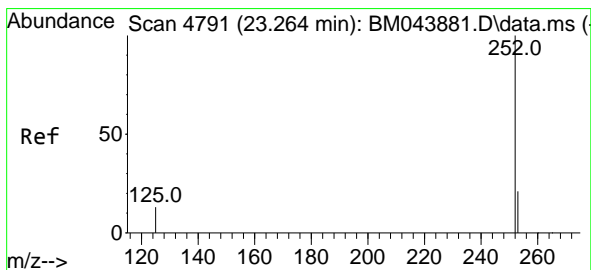
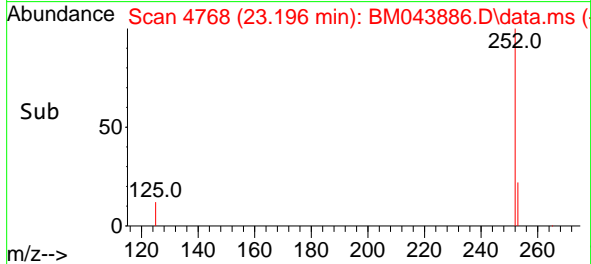
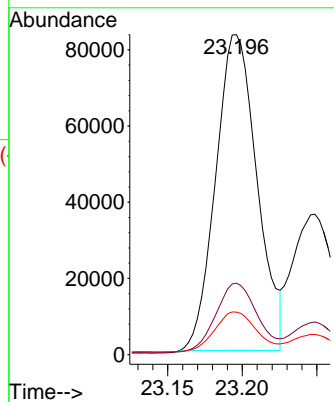
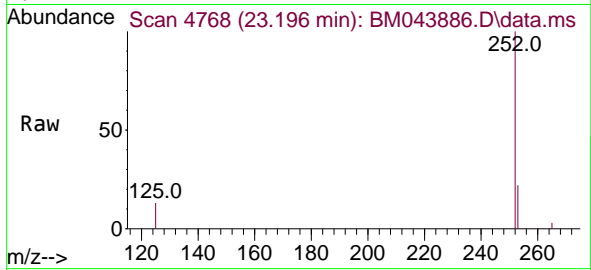


#24
 Benzo(b)fluoranthene
 Concen: 4.428 ng/u1
 RT: 23.196 min Scan# 4768
 Delta R.T. -0.019 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument : BNA_M
 ClientSampleId : XA312

Tgt Ion:252 Resp: 160047

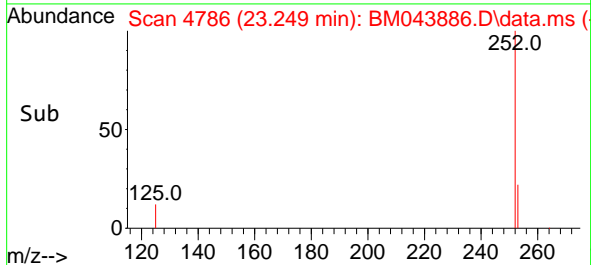
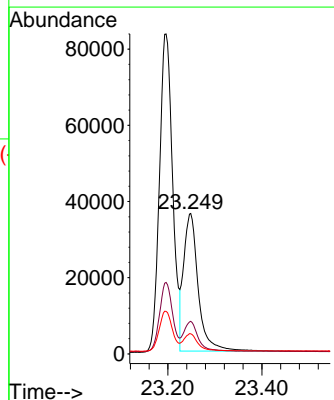
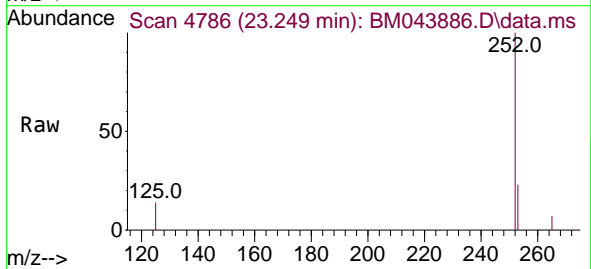
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 22.3 | 0.0 | 58.8 |
| 125 | 13.3 | 0.0 | 47.2 |

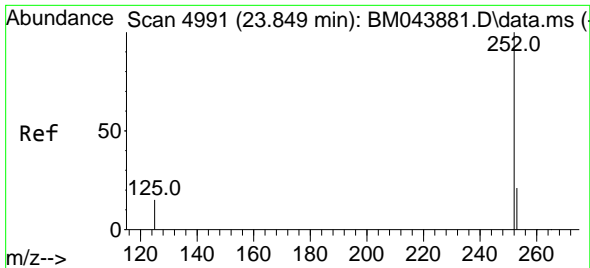


#25
 Benzo(k)fluoranthene
 Concen: 1.797 ng/u1
 RT: 23.249 min Scan# 4786
 Delta R.T. -0.016 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Tgt Ion:252 Resp: 78015

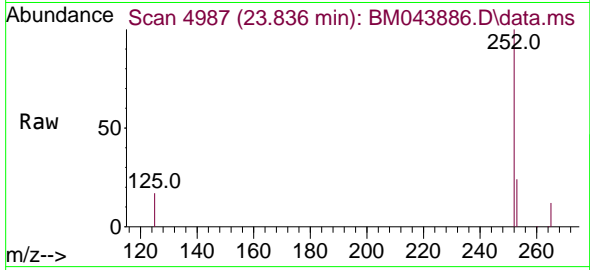
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 23.1 | 24.2 | 36.2# |
| 125 | 14.3 | 17.9 | 26.9# |





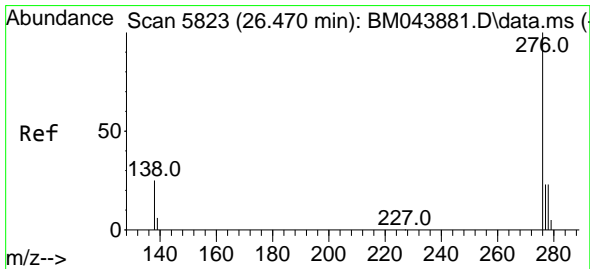
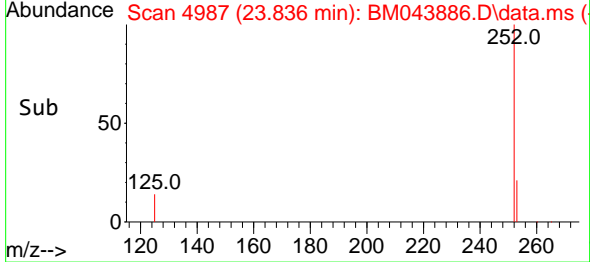
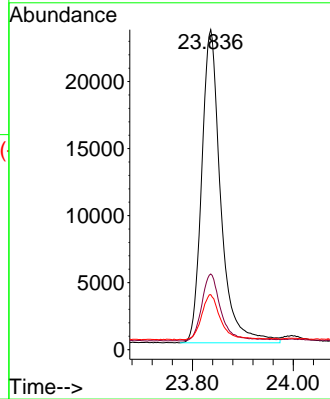
#26
 Benzo(a)pyrene
 Concen: 1.657 ng/uI
 RT: 23.836 min Scan# 4991
 Delta R.T. -0.016 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument :
 BNA_M
 ClientSampleId :
 XA312



Tgt Ion:252 Resp: 61144

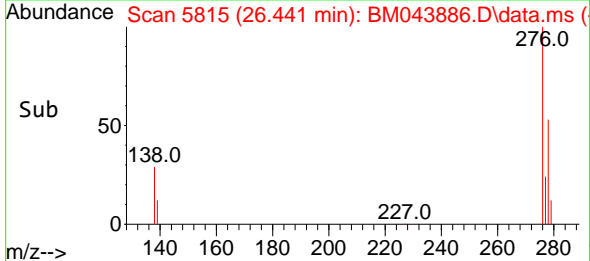
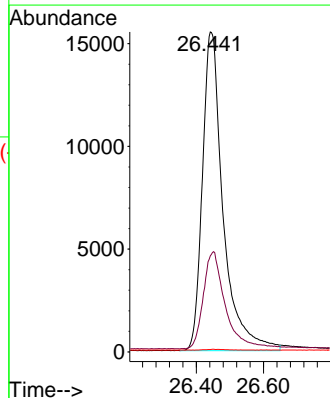
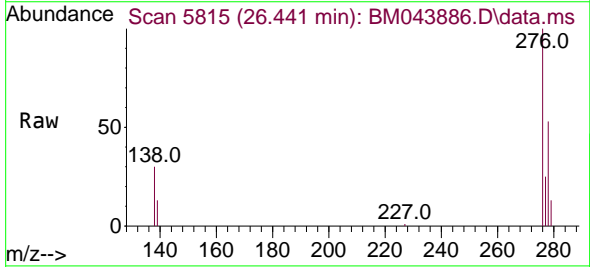
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 23.7 | 28.6 | 42.8# |
| 125 | 17.2 | 26.9 | 40.3# |

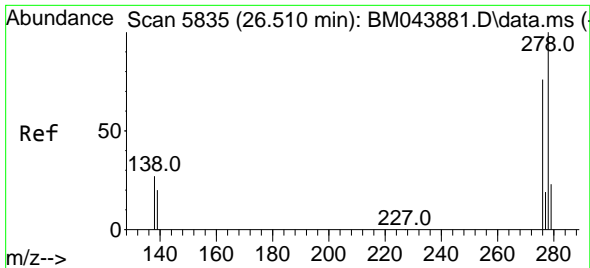


#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.396 ng/uI
 RT: 26.441 min Scan# 5815
 Delta R.T. -0.036 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Tgt Ion:276 Resp: 66473

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 32.5 | 24.6 | 36.8 |
| 227 | 0.2 | 0.1 | 0.1# |

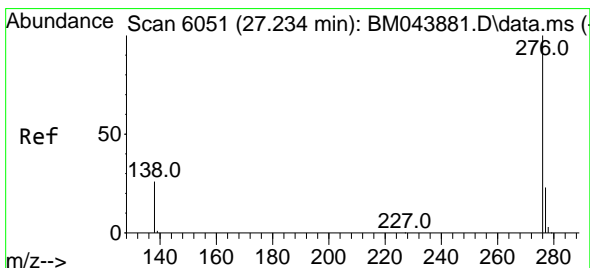
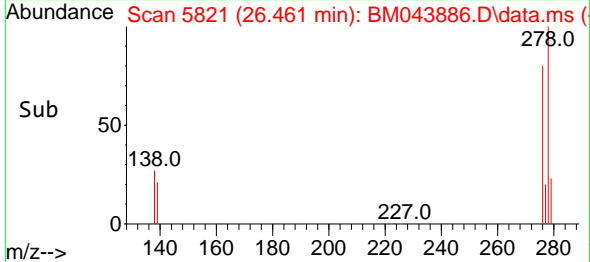
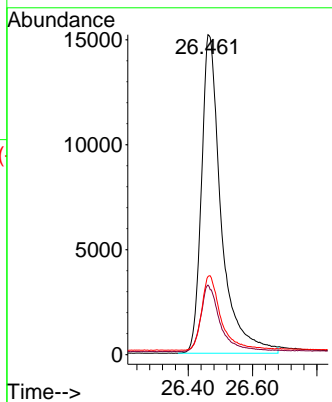
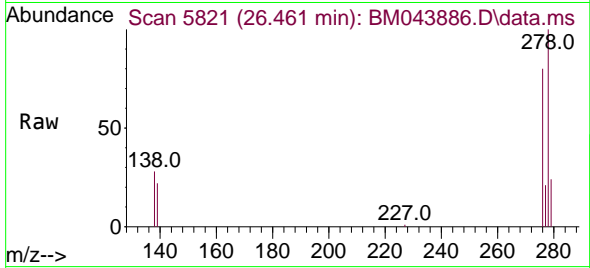




#28
 Dibenzo(a,h)anthracene
 Concen: 1.777 ng/ul
 RT: 26.461 min Scan# 5835
 Delta R.T. -0.049 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

Instrument : BNA_M
 ClientSampleId : XA312

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 278 | 100 | | |
| 139 | 21.7 | 21.1 | 31.7 |
| 279 | 24.4 | 25.8 | 38.6 |



#29
 Benzo(g,h,i)perylene
 Concen: 1.444 ng/ul
 RT: 27.213 min Scan# 6045
 Delta R.T. -0.032 min
 Lab File: BM043886.D
 Acq: 22 Jan 2024 15:29

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 276 | 100 | | |
| 138 | 26.6 | 24.0 | 36.0 |
| 277 | 24.0 | 20.6 | 31.0 |

