

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011924\  
 Data File : BM043875.D  
 Acq On : 19 Jan 2024 16:55  
 Operator : MA/JU  
 Sample : SSTD0.492  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

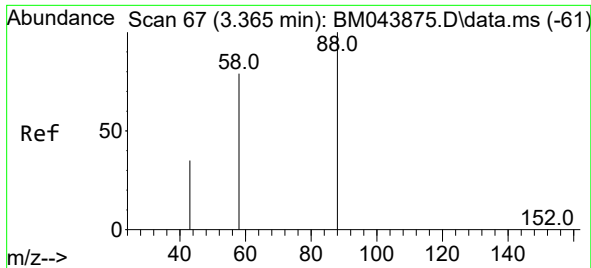
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4045

Quant Time: Jan 19 22:39:14 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 22:34:12 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.930  | 152  | 5157     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.765 | 136  | 13478    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.584 | 164  | 6596     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.351 | 188  | 12675    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.535 | 240  | 8370     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.955 | 264  | 10168    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.331  | 96   | 2623     | 0.421 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.365 | 152  | 6292     | 0.323 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.368 | 212  | 9859     | 0.364 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.365  | 88   | 2750     | 0.415 | ng/ul  | 100      |
| 5) Naphthalene              | 10.814 | 128  | 13977    | 0.361 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.437 | 142  | 8214     | 0.323 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.640 | 142  | 8482     | 0.329 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.311 | 152  | 12758    | 0.361 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.644 | 153  | 9476     | 0.369 | ng/ul  | 100      |
| 12) Fluorene                | 15.653 | 166  | 9819     | 0.333 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.094 | 266  | 519      | 0.129 | ng/ul# | 83       |
| 15) Phenanthrene            | 17.393 | 178  | 14089    | 0.350 | ng/ul  | 100      |
| 16) Anthracene              | 17.495 | 178  | 13182    | 0.344 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.401 | 202  | 15678    | 0.378 | ng/ul  | 100      |
| 20) Pyrene                  | 19.768 | 202  | 16299    | 0.378 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.523 | 228  | 11646    | 0.321 | ng/ul  | 100      |
| 22) Chrysene                | 21.573 | 228  | 15361    | 0.393 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.215 | 252  | 13955    | 0.337 | ng/ul  | 100      |
| 25) Benzo(k)fluoranthene    | 23.265 | 252  | 16396    | 0.359 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.853 | 252  | 13861    | 0.357 | ng/ul  | 100      |
| 27) Indeno(1,2,3-cd)pyrene  | 26.477 | 276  | 18208    | 0.371 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.511 | 278  | 13906    | 0.365 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 27.245 | 276  | 16069    | 0.391 | ng/ul  | 100      |

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

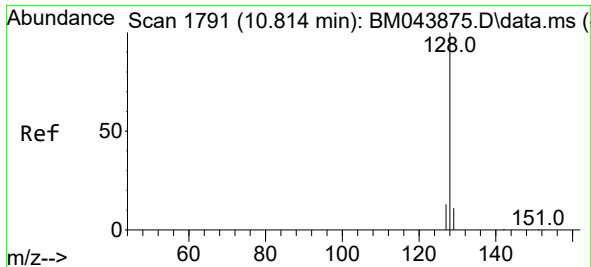
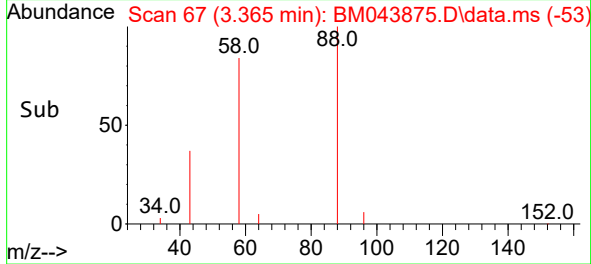
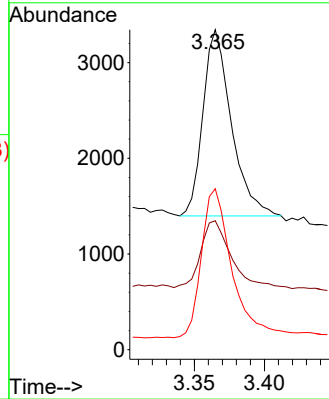
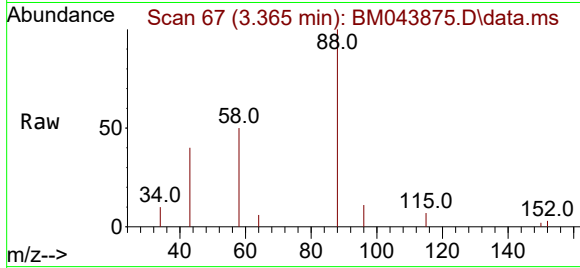




#2  
1,4-Dioxane  
Concen: 0.415 ng/ul  
RT: 3.365 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

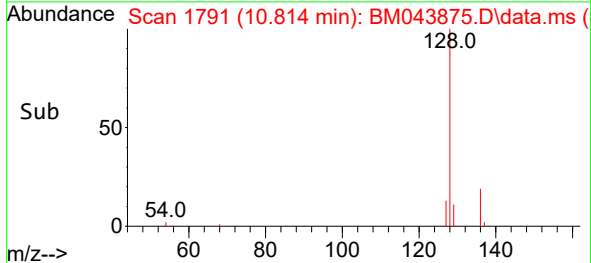
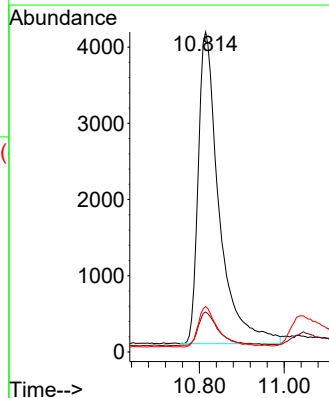
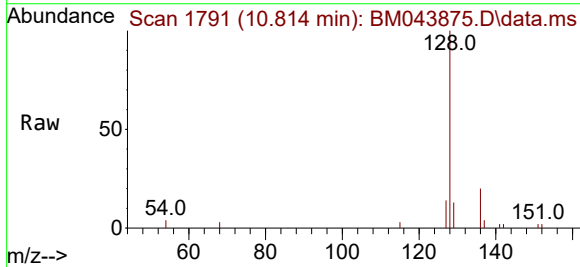
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BNA\_M  
ClientSampleId :  
SSTD0.4045

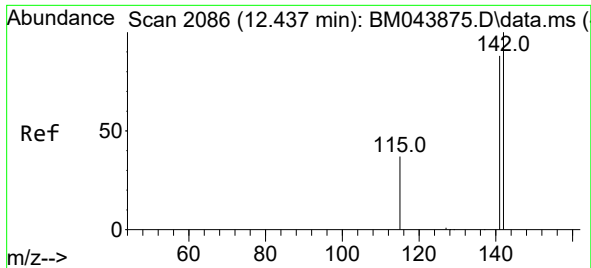
Tgt Ion: 88 Resp: 2750  
Ion Ratio Lower Upper  
88 100  
43 40.3 32.2 48.4  
58 50.3 40.2 60.4



#5  
Naphthalene  
Concen: 0.361 ng/ul  
RT: 10.814 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion: 128 Resp: 13977  
Ion Ratio Lower Upper  
128 100  
129 12.5 10.0 15.0  
127 14.2 11.4 17.0

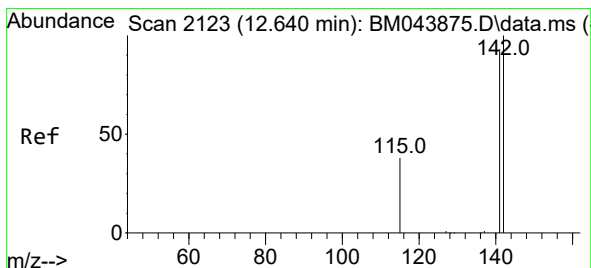
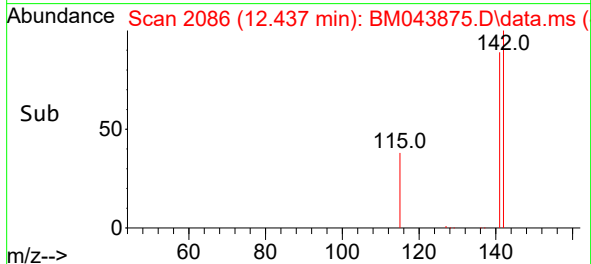
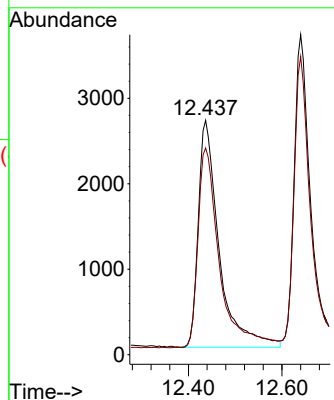
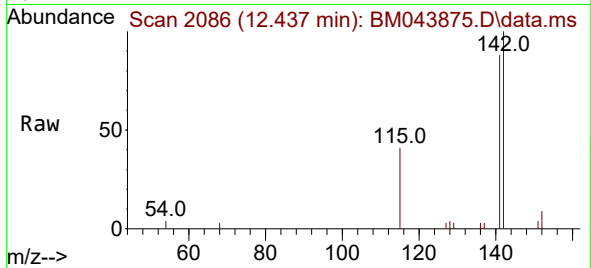




#7  
2-Methylnaphthalene  
Concen: 0.323 ng/ul  
RT: 12.437 min Scan# 2086  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

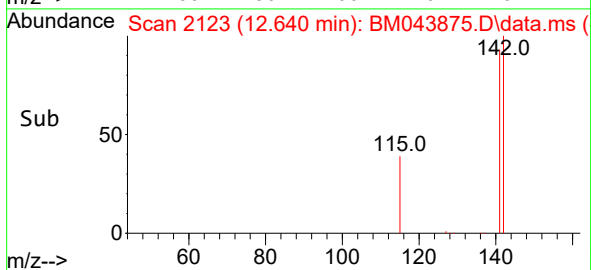
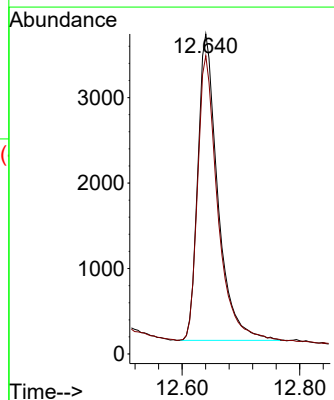
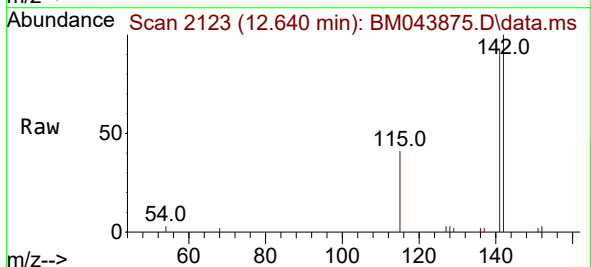
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ClientSampleId :  
SSTD0.4045

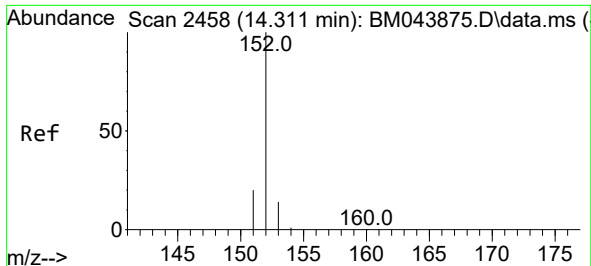
Tgt Ion:142 Resp: 8214  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.0 109.4



#8  
1-Methylnaphthalene  
Concen: 0.329 ng/ul  
RT: 12.640 min Scan# 2123  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion:142 Resp: 8482  
Ion Ratio Lower Upper  
142 100  
141 92.9 74.6 111.8

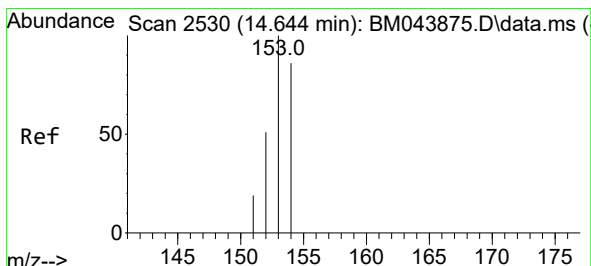
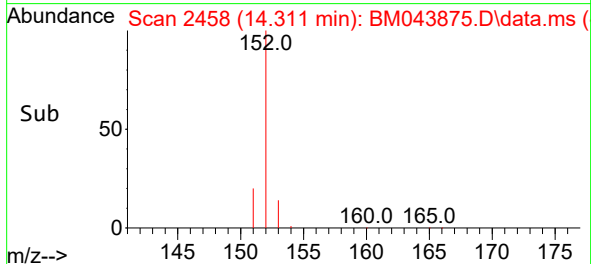
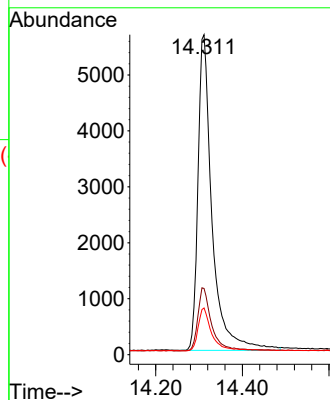
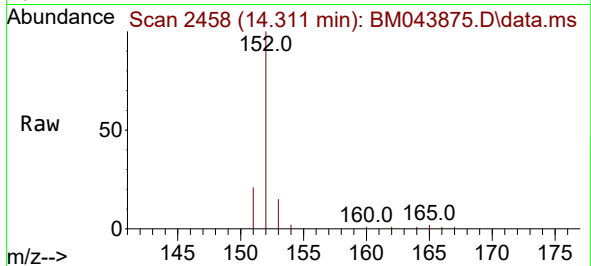




#10  
Acenaphthylene  
Concen: 0.361 ng/ul  
RT: 14.311 min Scan# 2458  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

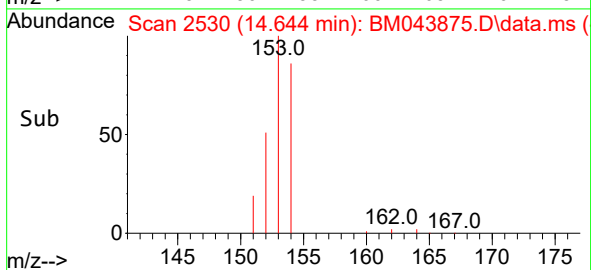
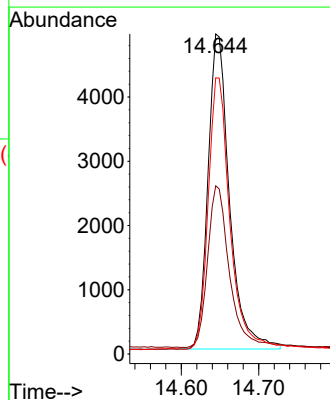
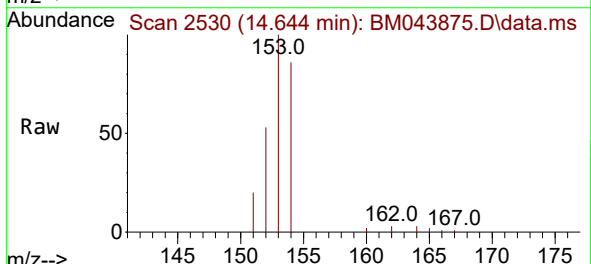
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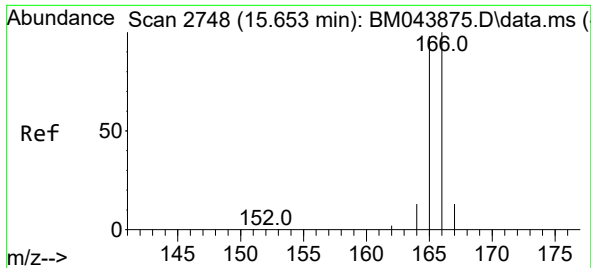
Tgt Ion:152 Resp: 12758  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.6 24.8  
153 14.6 11.7 17.5



#11  
Acenaphthene  
Concen: 0.369 ng/ul  
RT: 14.644 min Scan# 2530  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion:153 Resp: 9476  
Ion Ratio Lower Upper  
153 100  
152 52.6 42.1 63.1  
154 86.3 69.0 103.6

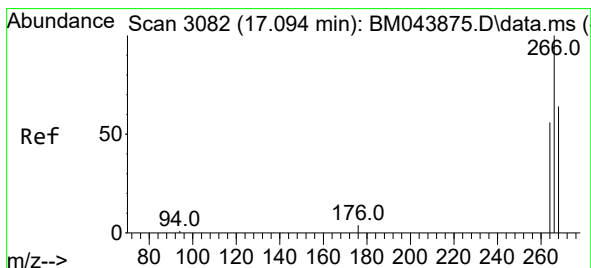
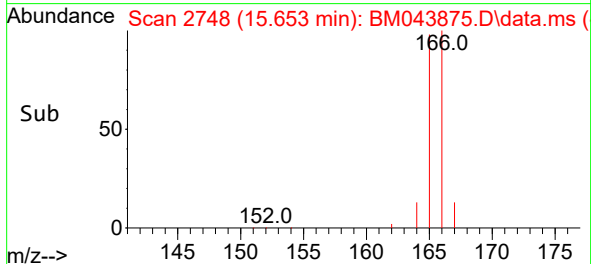
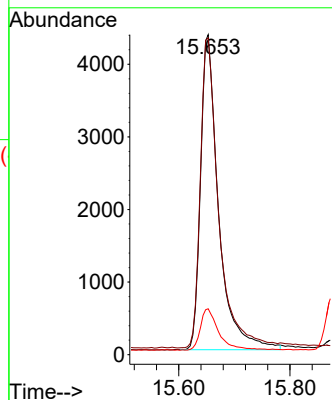
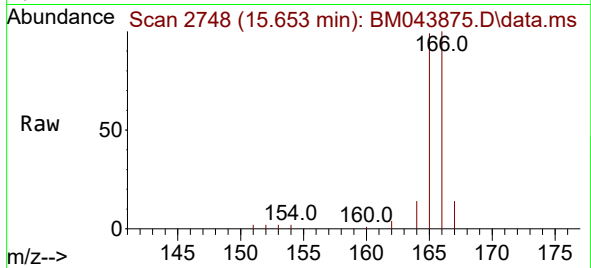




#12  
 Fluorene  
 Concen: 0.333 ng/ul  
 RT: 15.653 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BM043875.D  
 Acq: 19 Jan 2024 16:55

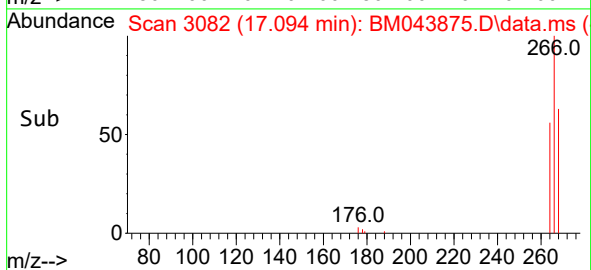
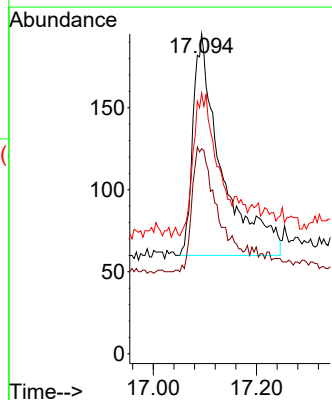
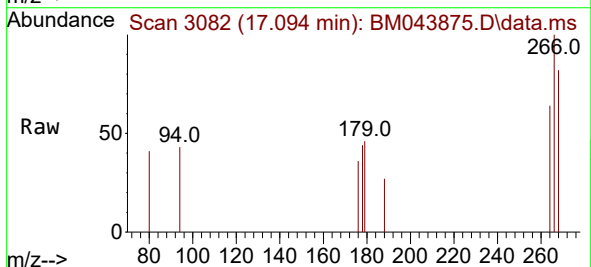
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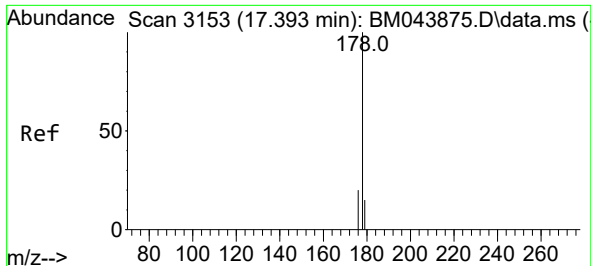
Tgt Ion:166 Resp: 9819  
 Ion Ratio Lower Upper  
 166 100  
 165 99.0 79.2 118.8  
 167 14.3 11.4 17.2



#14  
 Pentachlorophenol  
 Concen: 0.129 ng/ul  
 RT: 17.094 min Scan# 3082  
 Delta R.T. 0.000 min  
 Lab File: BM043875.D  
 Acq: 19 Jan 2024 16:55

Tgt Ion:266 Resp: 519  
 Ion Ratio Lower Upper  
 266 100  
 264 61.7 39.8 59.6#  
 268 69.7 45.6 68.4#

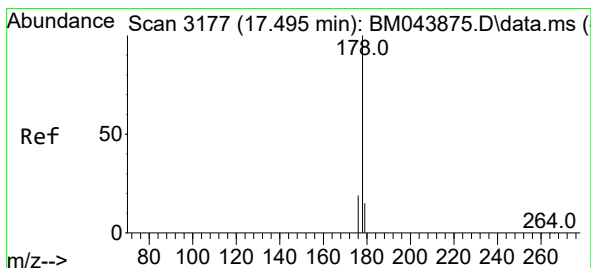
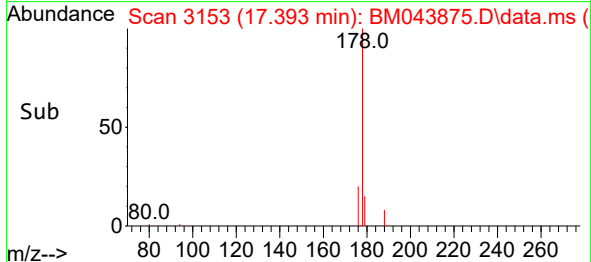
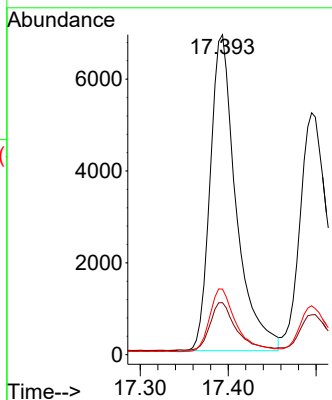
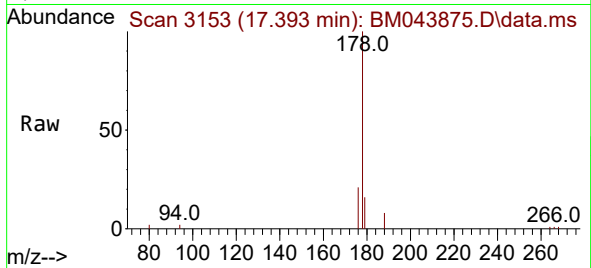




#15  
Phenanthrene  
Concen: 0.350 ng/ul  
RT: 17.393 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

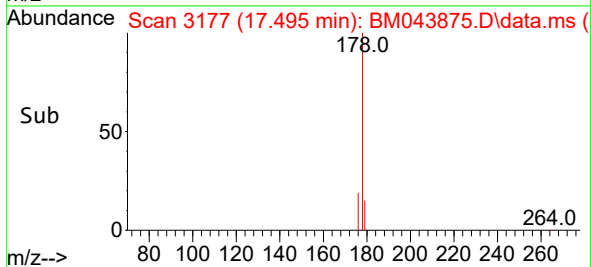
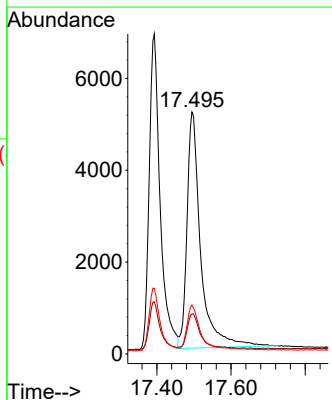
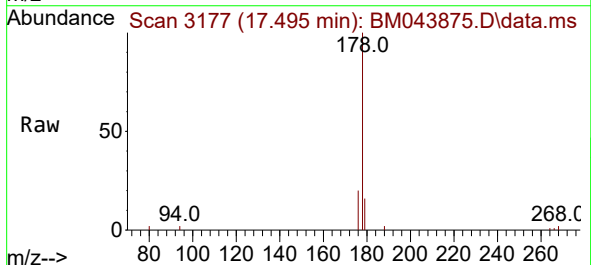
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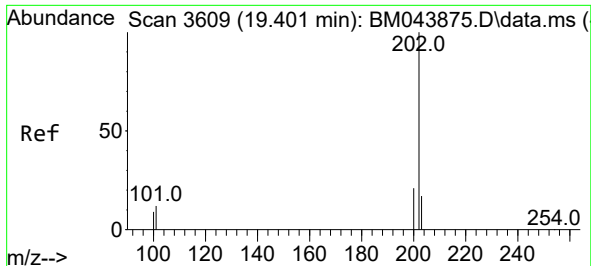
Tgt Ion:178 Resp: 14089  
Ion Ratio Lower Upper  
178 100  
179 16.3 13.0 19.6  
176 20.5 16.4 24.6



#16  
Anthracene  
Concen: 0.344 ng/ul  
RT: 17.495 min Scan# 3177  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion:178 Resp: 13182  
Ion Ratio Lower Upper  
178 100  
179 16.5 13.2 19.8  
176 20.2 16.2 24.2

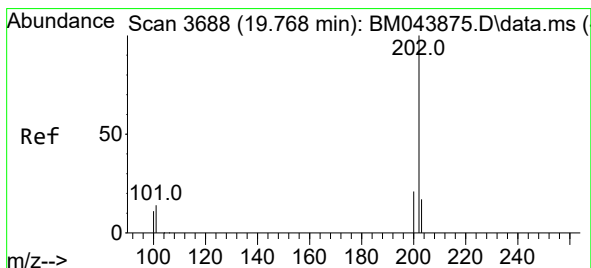
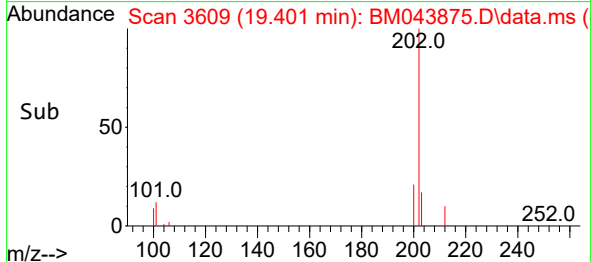
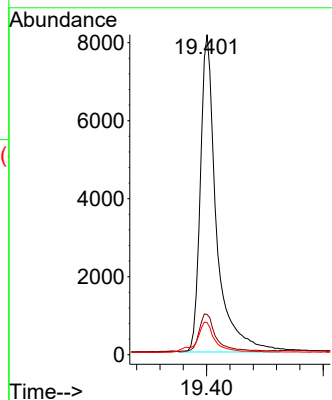
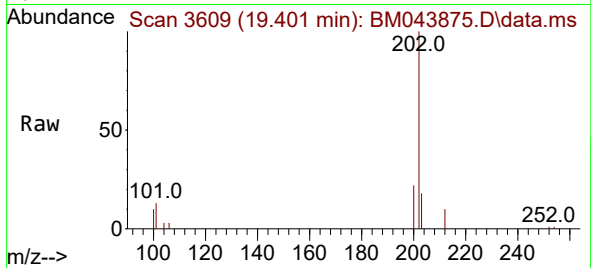




#19  
Fluoranthene  
Concen: 0.378 ng/ul  
RT: 19.401 min Scan# 3609  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

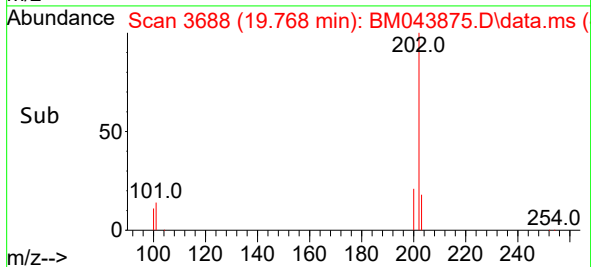
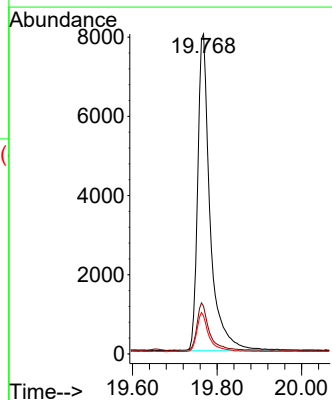
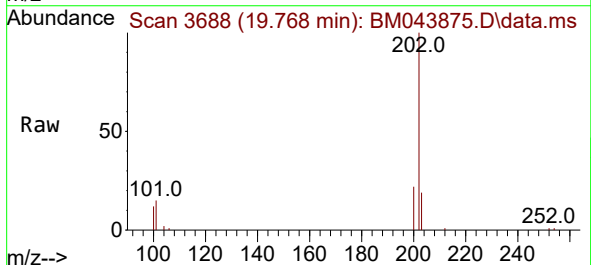
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BNA\_M  
ClientSampleId :  
SSTD0.4045

Tgt Ion:202 Resp: 15678  
Ion Ratio Lower Upper  
202 100  
101 12.6 10.1 15.1  
100 10.0 8.0 12.0

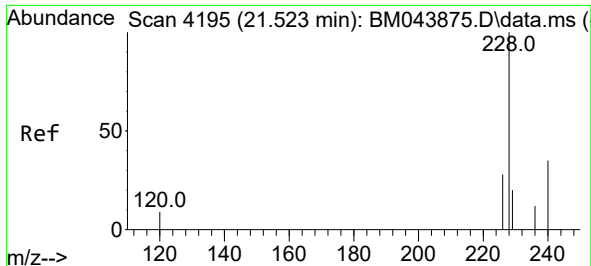


#20  
Pyrene  
Concen: 0.378 ng/ul  
RT: 19.768 min Scan# 3688  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion:202 Resp: 16299  
Ion Ratio Lower Upper  
202 100  
101 14.9 11.9 17.9  
100 11.9 9.5 14.3



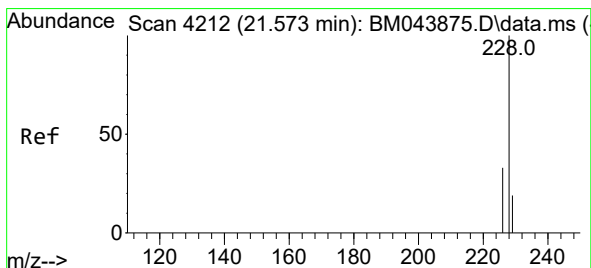
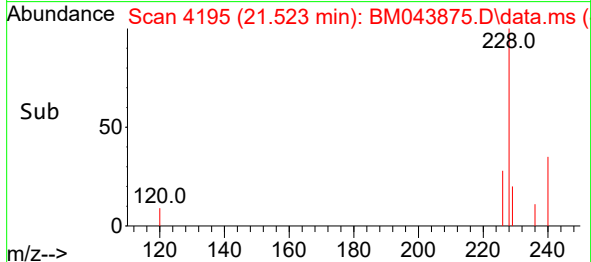
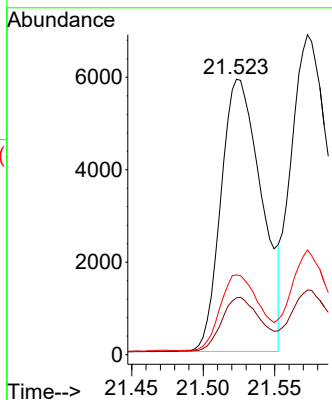
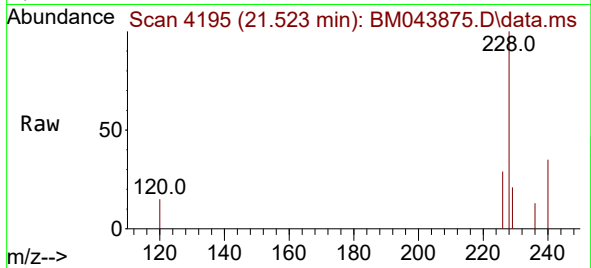




#21  
Benzo(a)anthracene  
Concen: 0.321 ng/ul  
RT: 21.523 min Scan# 4195  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

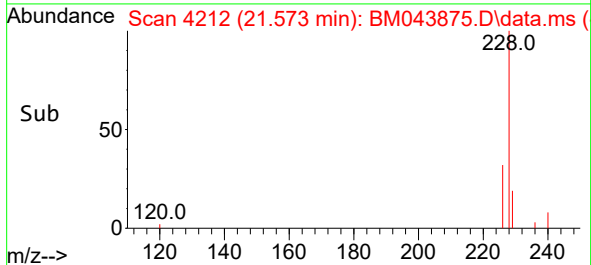
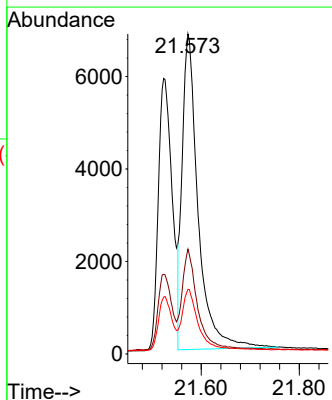
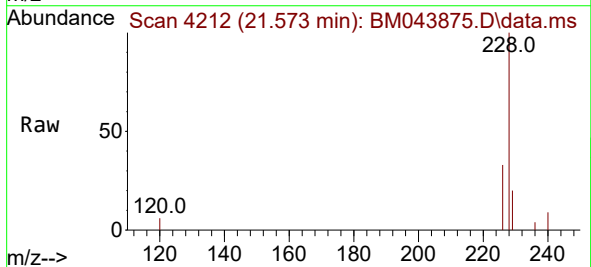
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BNA\_M  
ClientSampleId :  
SSTD0.4045

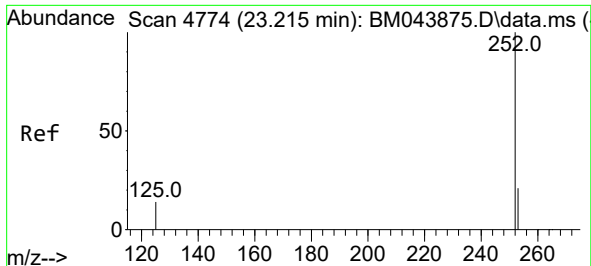
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 11646 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 20.6  | 16.5  | 24.7  |
| 226      | 28.9  | 23.1  | 34.7  |



#22  
Chrysene  
Concen: 0.393 ng/ul  
RT: 21.573 min Scan# 4212  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 15361 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 32.7  | 26.2  | 39.2  |
| 229      | 20.2  | 16.2  | 24.2  |

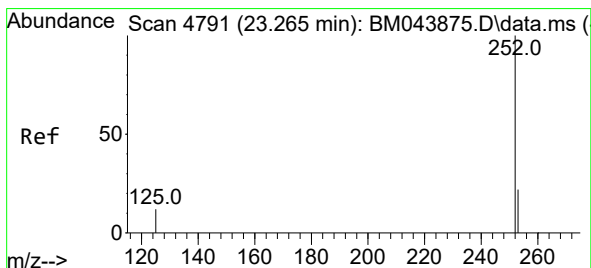
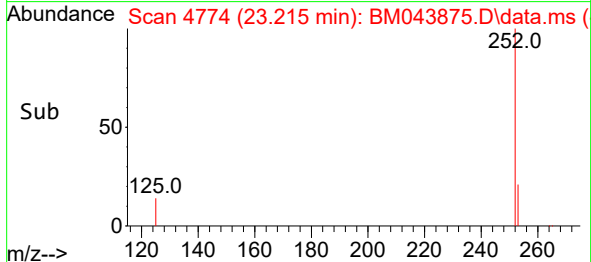
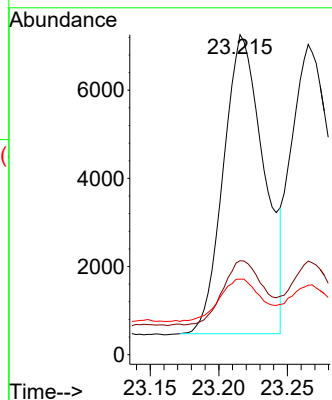
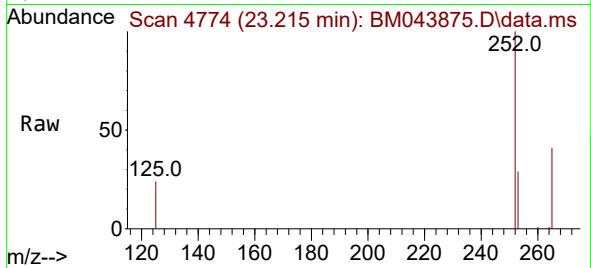




#24  
Benzo(b)fluoranthene  
Concen: 0.337 ng/ul  
RT: 23.215 min Scan# 4774  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

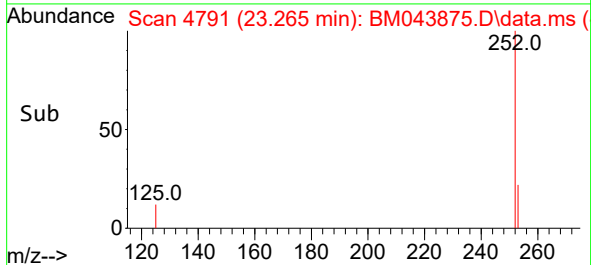
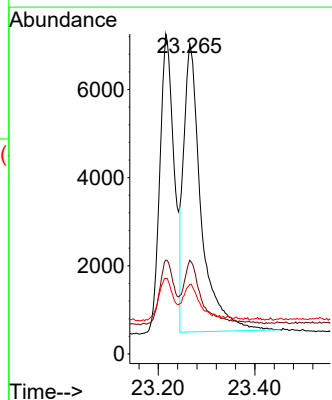
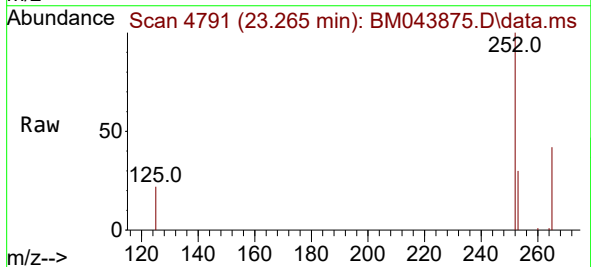
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4045

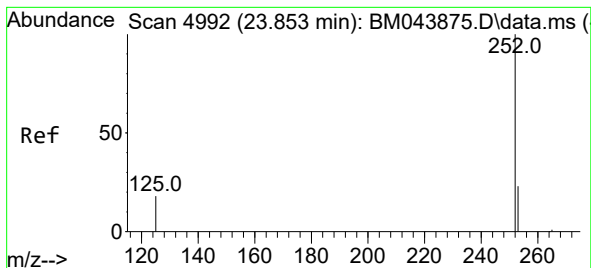
Tgt Ion:252 Resp: 13955  
Ion Ratio Lower Upper  
252 100  
253 29.4 0.0 58.8  
125 23.6 0.0 47.2



#25  
Benzo(k)fluoranthene  
Concen: 0.359 ng/ul  
RT: 23.265 min Scan# 4791  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion:252 Resp: 16396  
Ion Ratio Lower Upper  
252 100  
253 30.2 24.2 36.2  
125 22.4 17.9 26.9





#26

Benzo(a)pyrene

Concen: 0.357 ng/ul

RT: 23.853 min Scan# 4992

Delta R.T. 0.000 min

Lab File: BM043875.D

Acq: 19 Jan 2024 16:55

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4045

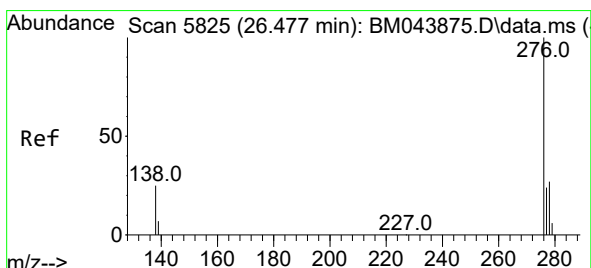
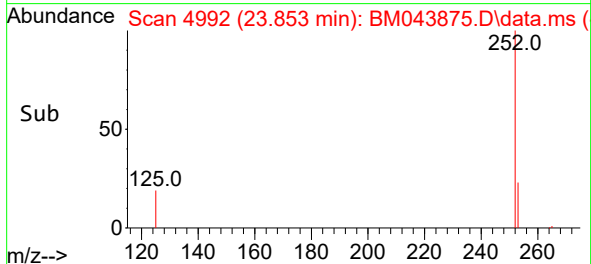
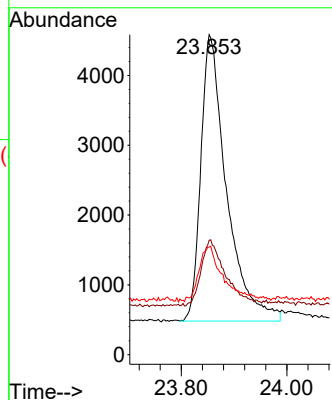
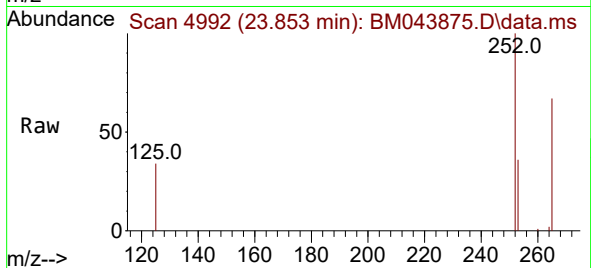
Tgt Ion:252 Resp: 13861

Ion Ratio Lower Upper

252 100

253 35.7 28.6 42.8

125 33.6 26.9 40.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.371 ng/ul

RT: 26.477 min Scan# 5825

Delta R.T. 0.000 min

Lab File: BM043875.D

Acq: 19 Jan 2024 16:55

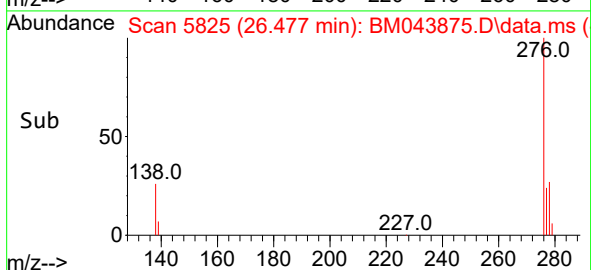
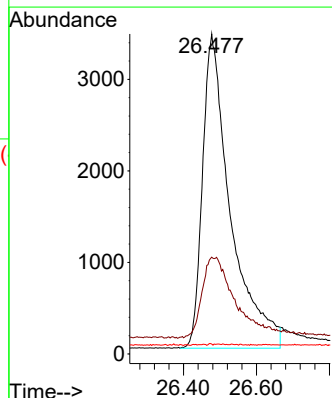
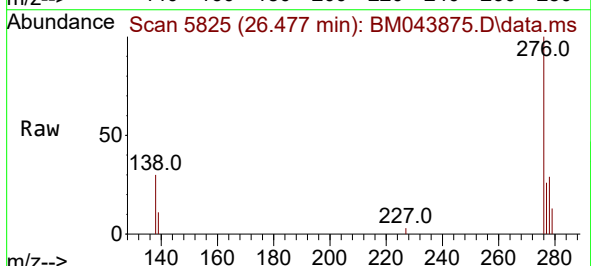
Tgt Ion:276 Resp: 18208

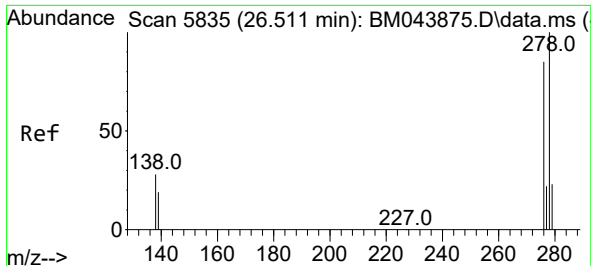
Ion Ratio Lower Upper

276 100

138 30.7 24.6 36.8

227 0.1 0.1 0.1#

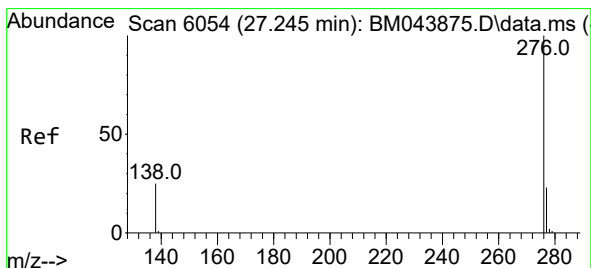
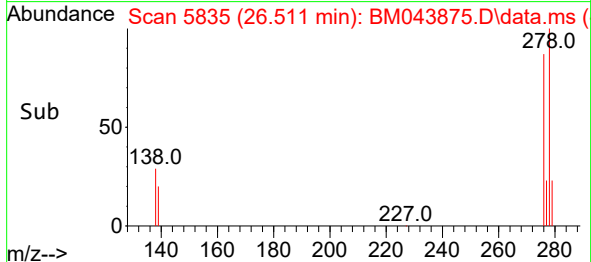
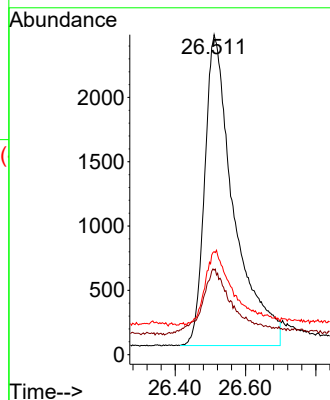
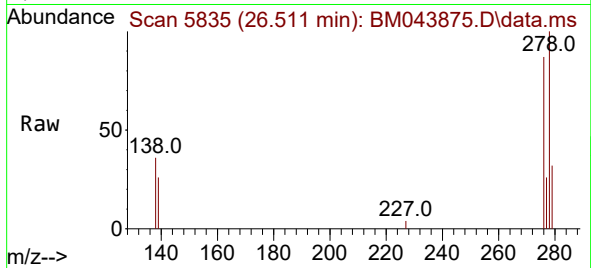




#28  
Dibenzo(a,h)anthracene  
Concen: 0.365 ng/ul  
RT: 26.511 min Scan# 5835  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4045

Tgt Ion:278 Resp: 13906  
Ion Ratio Lower Upper  
278 100  
139 26.4 21.1 31.7  
279 32.2 25.8 38.6



#29  
Benzo(g,h,i)perylene  
Concen: 0.391 ng/ul  
RT: 27.245 min Scan# 6054  
Delta R.T. 0.000 min  
Lab File: BM043875.D  
Acq: 19 Jan 2024 16:55

Tgt Ion:276 Resp: 16069  
Ion Ratio Lower Upper  
276 100  
138 30.0 24.0 36.0  
277 25.8 20.6 31.0

