

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
 Data File : BM045940.D  
 Acq On : 09 Jun 2024 06:50  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 70 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4121

Quant Time: Jun 10 01:32:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM060624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 07 22:59:16 2024  
 Response via : Initial Calibration

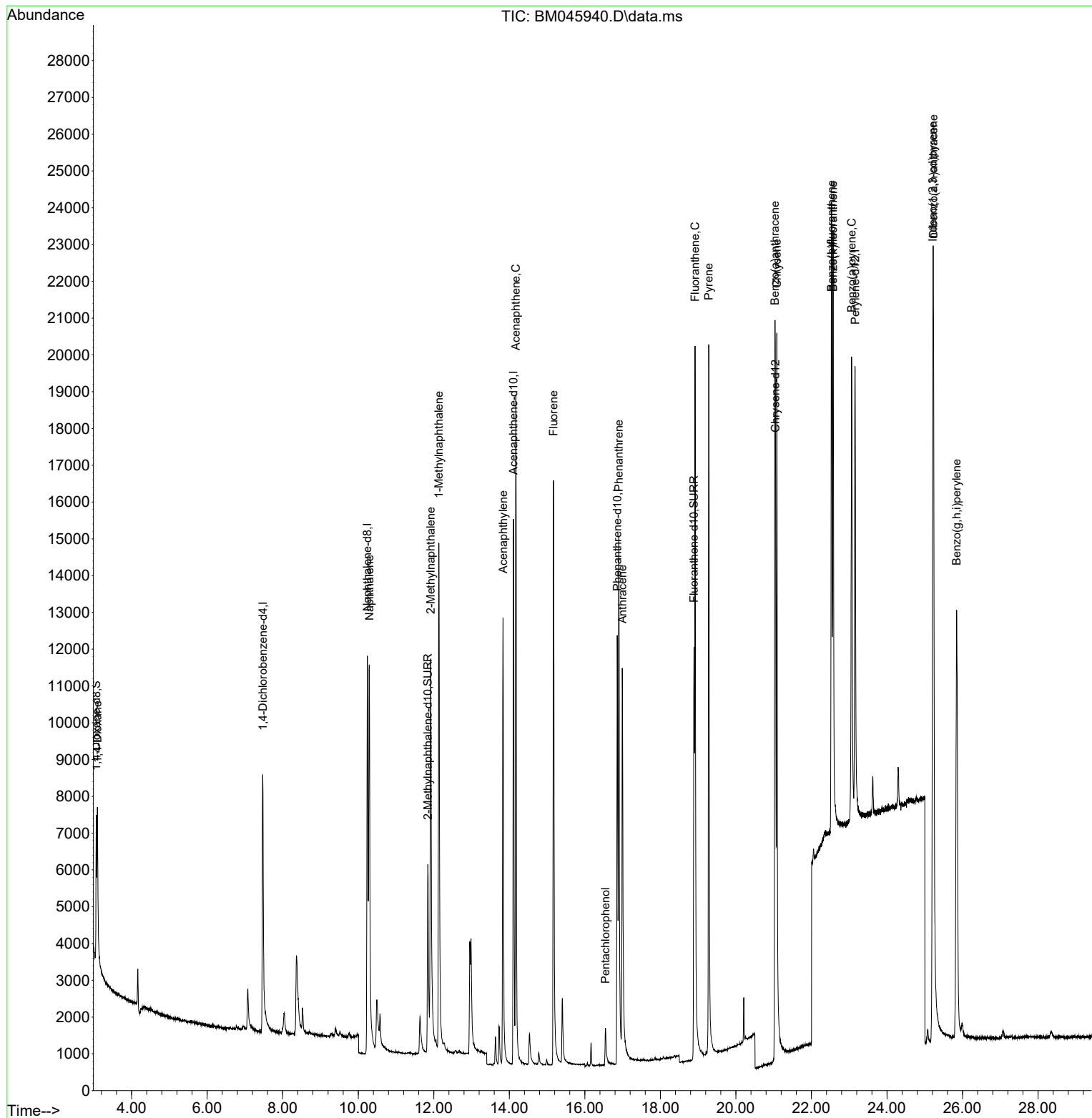
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.472  | 152  | 5463     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.242 | 136  | 17955    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.112 | 164  | 9391     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.857 | 188  | 16961    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.050 | 240  | 12882    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.157 | 264  | 16574    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.063  | 96   | 2568     | 0.413 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.843 | 152  | 9432     | 0.365 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.889 | 212  | 14703    | 0.381 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.092  | 88   | 2869     | 0.403 | ng/ul# | 76       |
| 5) Naphthalene              | 10.292 | 128  | 18006    | 0.384 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 11.920 | 142  | 10774    | 0.360 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.134 | 142  | 11739    | 0.361 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.835 | 152  | 16327    | 0.382 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.172 | 153  | 11905    | 0.379 | ng/ul  | 99       |
| 12) Fluorene                | 15.172 | 166  | 12454    | 0.355 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.545 | 266  | 1154     | 0.364 | ng/ul  | 92       |
| 15) Phenanthrene            | 16.899 | 178  | 17272    | 0.363 | ng/ul  | 99       |
| 16) Anthracene              | 16.992 | 178  | 14086    | 0.347 | ng/ul  | 100      |
| 19) Fluoranthene            | 18.917 | 202  | 19711    | 0.384 | ng/ul  | 100      |
| 20) Pyrene                  | 19.280 | 202  | 20324    | 0.379 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.032 | 228  | 17282    | 0.365 | ng/ul  | 100      |
| 22) Chrysene                | 21.085 | 228  | 19851    | 0.386 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.531 | 252  | 20208    | 0.368 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 22.572 | 252  | 22660    | 0.375 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.063 | 252  | 20505    | 0.375 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.216 | 276  | 27265    | 0.386 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.229 | 278  | 21590    | 0.382 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 25.843 | 276  | 23680    | 0.388 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

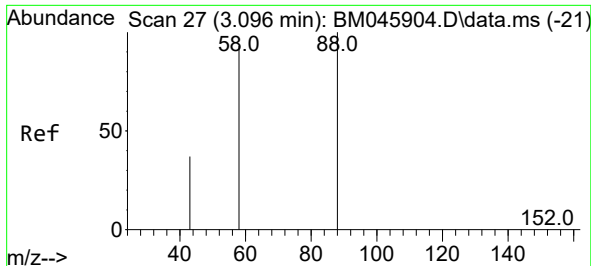
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
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ALS Vial : 70 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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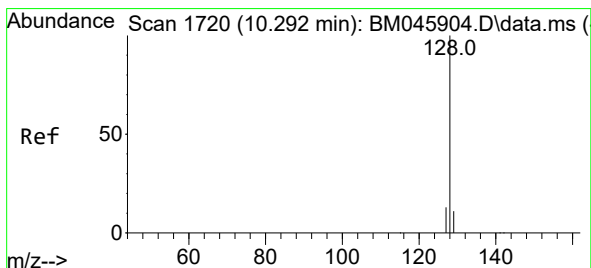
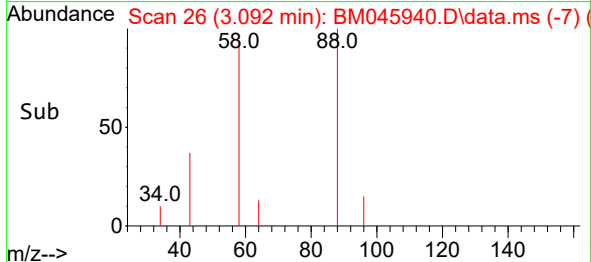
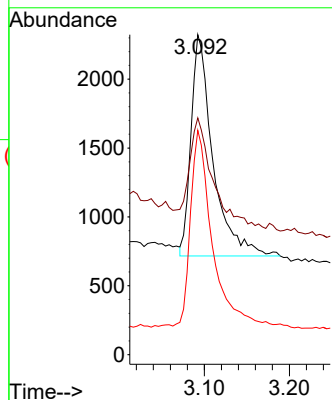
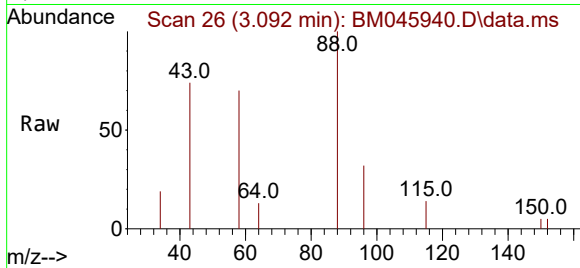




#2  
1,4-Dioxane  
Concen: 0.403 ng/ul  
RT: 3.092 min Scan# 21  
Delta R.T. -0.021 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

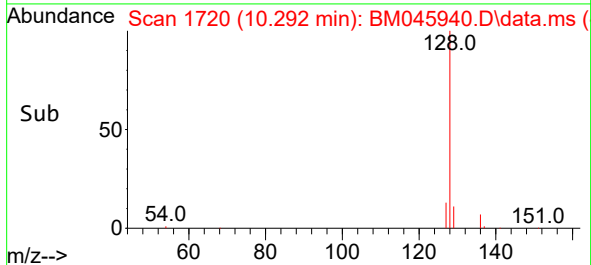
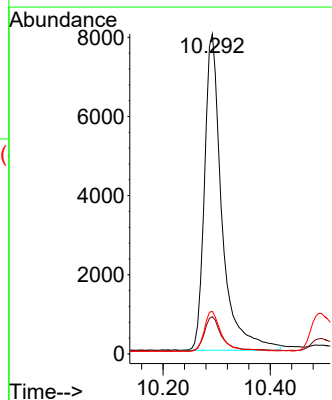
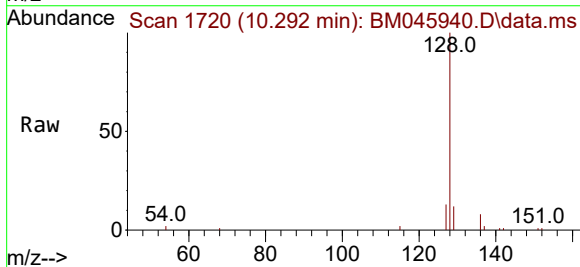
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4121

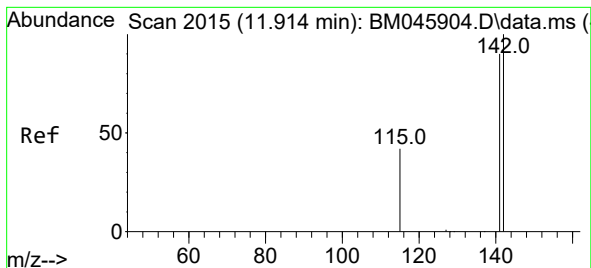
Tgt Ion: 88 Resp: 2869  
Ion Ratio Lower Upper  
88 100  
43 74.0 87.4 131.2#  
58 70.1 51.1 76.7



#5  
Naphthalene  
Concen: 0.384 ng/ul  
RT: 10.292 min Scan# 1720  
Delta R.T. -0.011 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

Tgt Ion: 128 Resp: 18006  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.4 14.0  
127 13.3 10.6 15.8

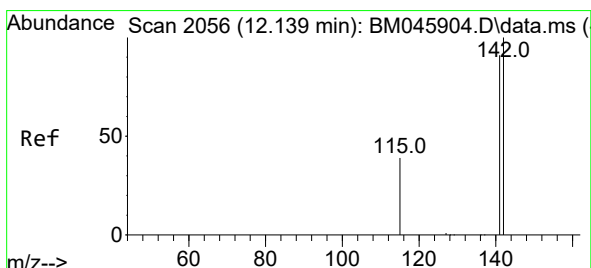
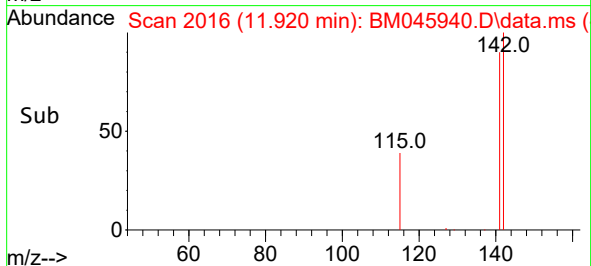
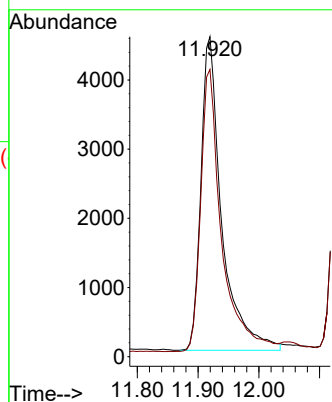
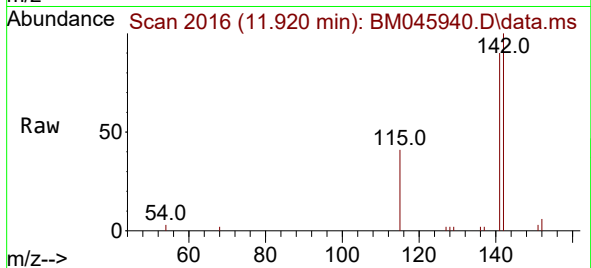




#7  
2-Methylnaphthalene  
Concen: 0.360 ng/ul  
RT: 11.920 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

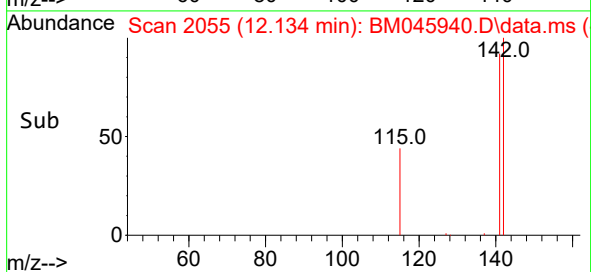
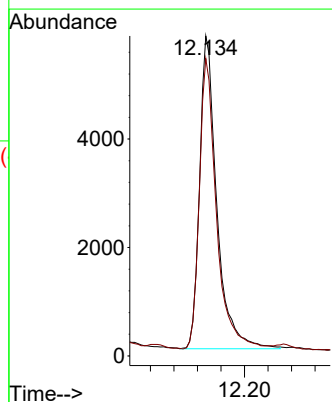
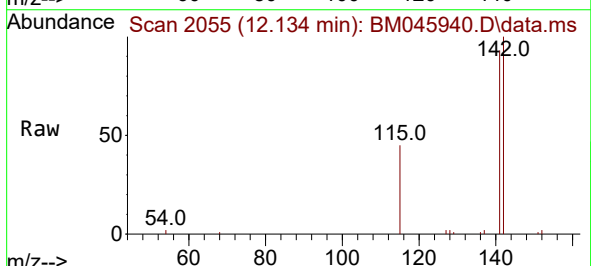
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4121

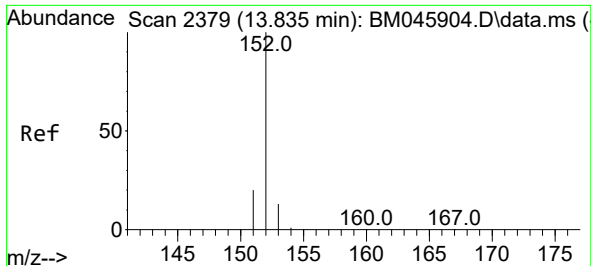
Tgt Ion:142 Resp: 10774  
Ion Ratio Lower Upper  
142 100  
141 90.3 72.2 108.4



#8  
1-Methylnaphthalene  
Concen: 0.361 ng/ul  
RT: 12.134 min Scan# 2055  
Delta R.T. -0.011 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

Tgt Ion:142 Resp: 11739  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.5 110.3

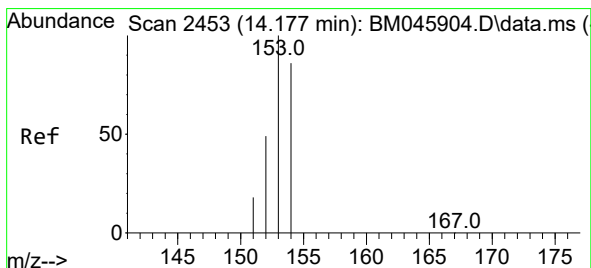
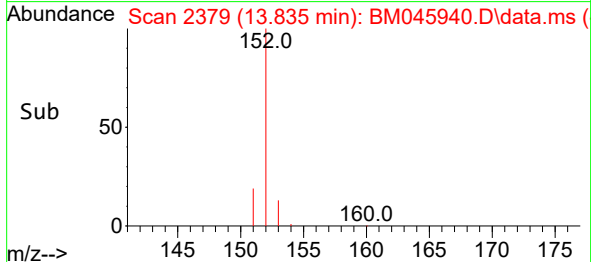
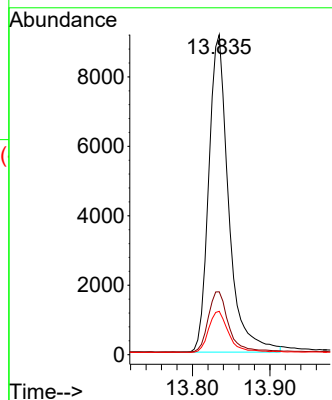
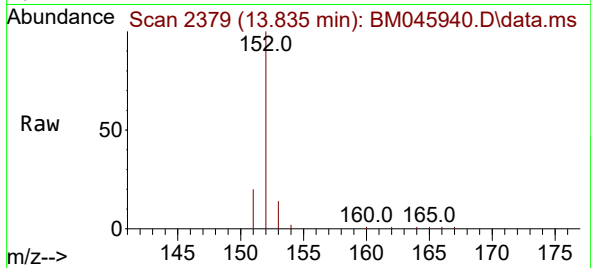




#10  
Acenaphthylene  
Concen: 0.382 ng/ul  
RT: 13.835 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

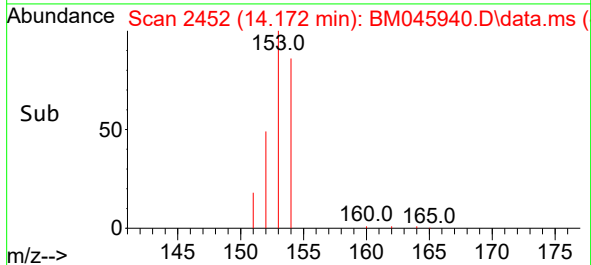
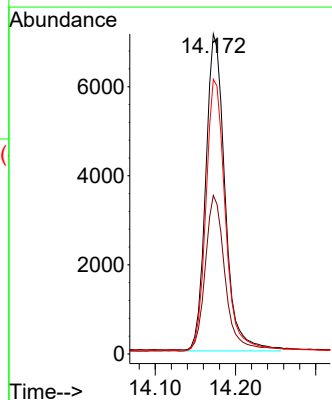
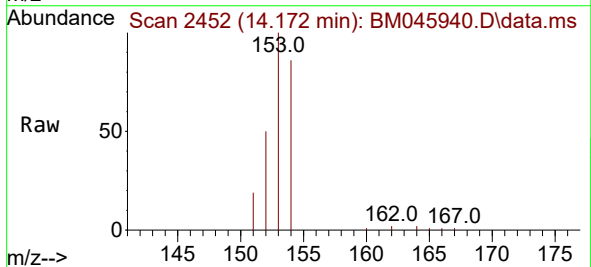
Instrument :  
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ClientSampleId :  
SSTD0.4121

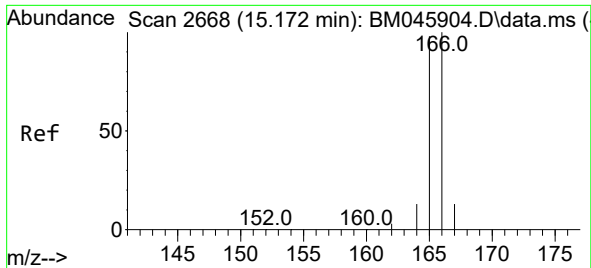
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 16327 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.7  | 16.4  | 24.6  |
| 153       | 13.6  | 11.1  | 16.7  |



#11  
Acenaphthene  
Concen: 0.379 ng/ul  
RT: 14.172 min Scan# 2452  
Delta R.T. -0.009 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 11905 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 49.6  | 39.0  | 58.4  |
| 154       | 85.8  | 69.4  | 104.2 |

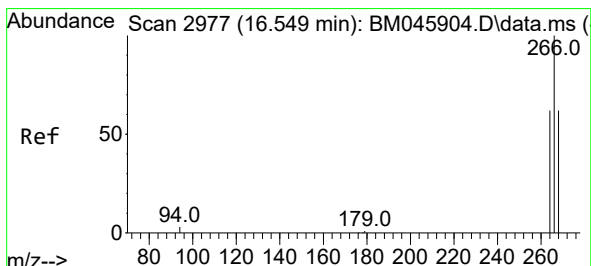
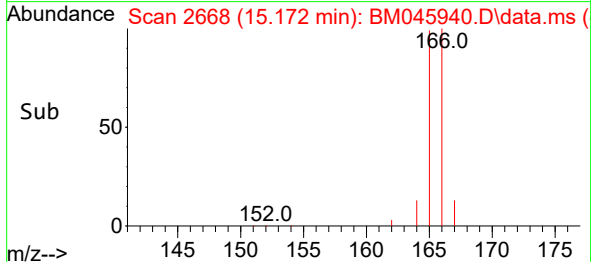
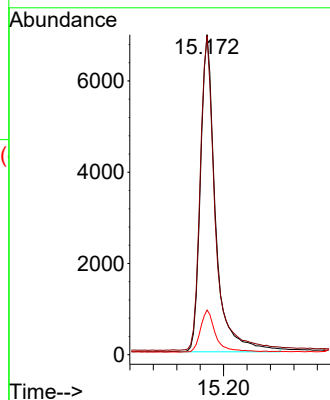
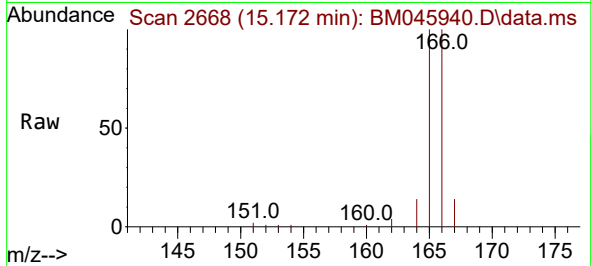




#12  
Fluorene  
Concen: 0.355 ng/ul  
RT: 15.172 min Scan# 2  
Delta R.T. -0.005 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

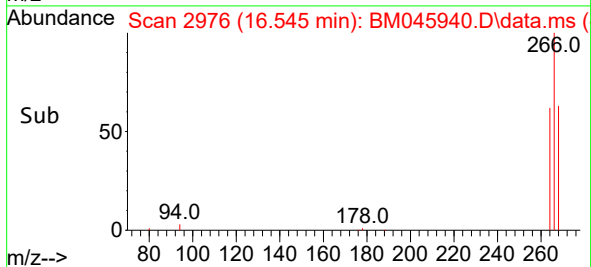
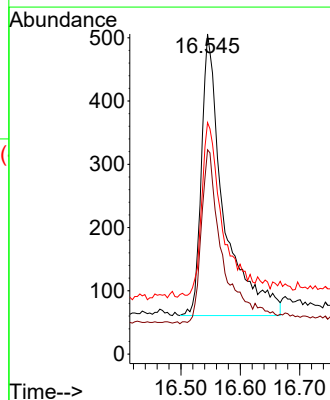
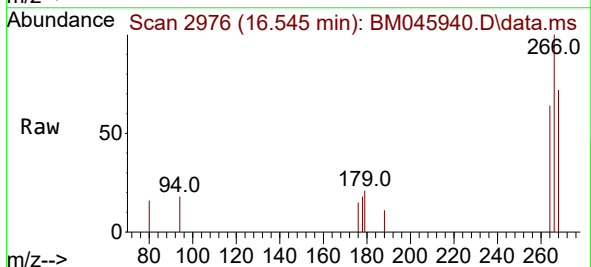
Instrument :  
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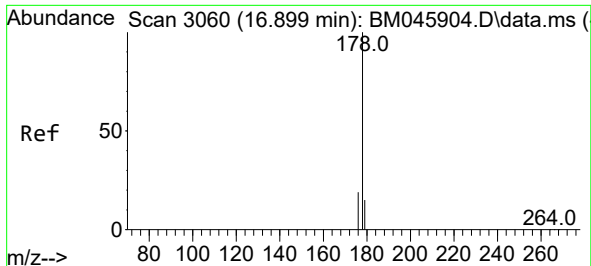
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|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 12454 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.7  | 79.7  | 119.5 |
| 167      | 13.9  | 11.3  | 16.9  |



#14  
Pentachlorophenol  
Concen: 0.364 ng/ul  
RT: 16.545 min Scan# 2976  
Delta R.T. -0.008 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 1154  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 65.2  | 47.9  | 71.9  |
| 268      | 56.4  | 50.9  | 76.3  |

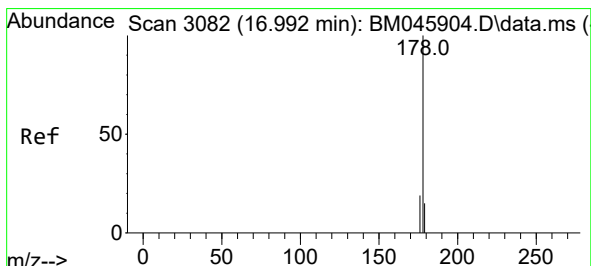
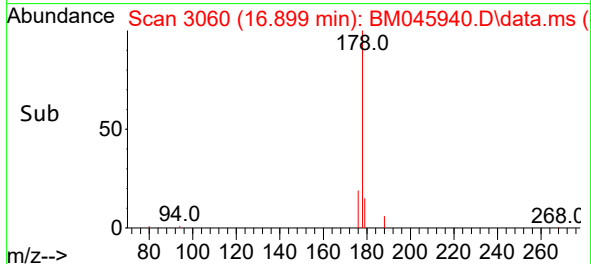
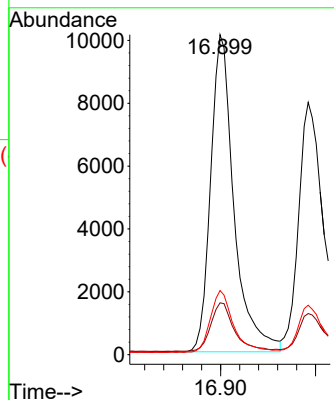
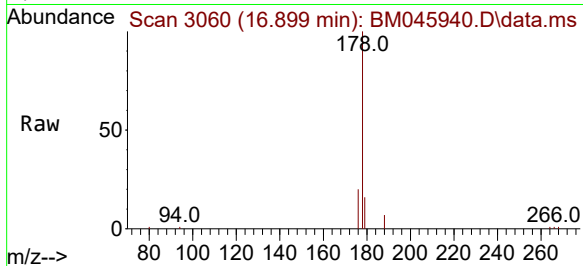




#15  
Phenanthrene  
Concen: 0.363 ng/ul  
RT: 16.899 min Scan# 3060  
Delta R.T. -0.004 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

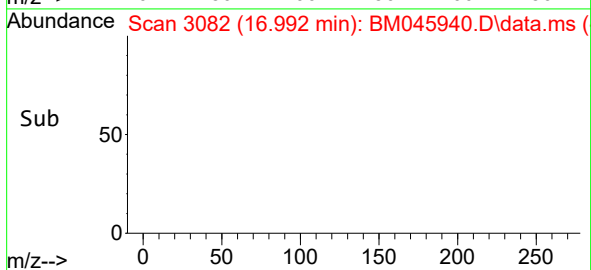
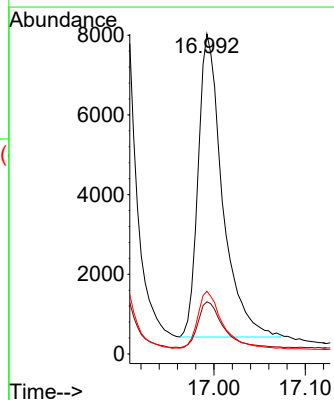
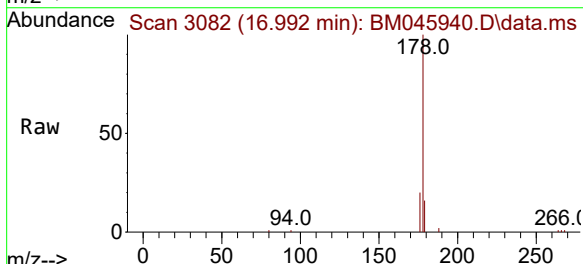
Instrument :  
BNA\_M  
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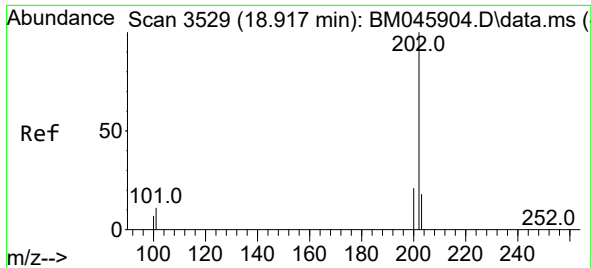
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Ion Ratio Lower Upper  
178 100  
179 16.2 12.7 19.1  
176 20.0 15.6 23.4



#16  
Anthracene  
Concen: 0.347 ng/ul  
RT: 16.992 min Scan# 3082  
Delta R.T. -0.004 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

Tgt Ion:178 Resp: 14086  
Ion Ratio Lower Upper  
178 100  
179 16.3 13.1 19.7  
176 19.6 15.5 23.3

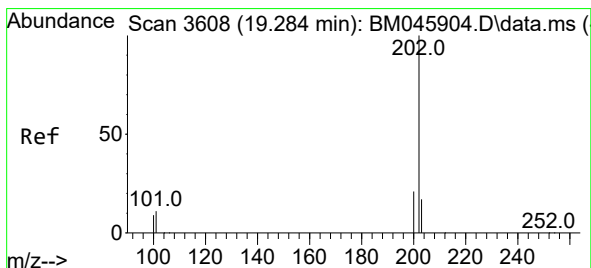
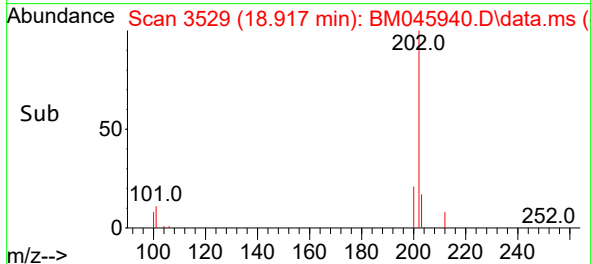
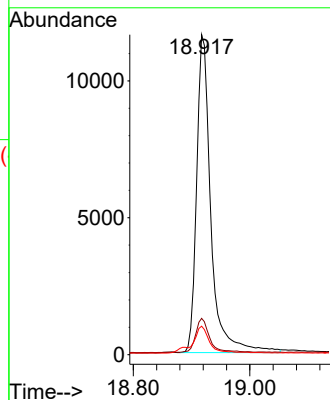
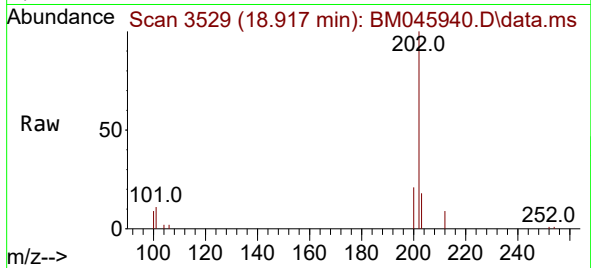




#19  
Fluoranthene  
Concen: 0.384 ng/ul  
RT: 18.917 min Scan# 3529  
Delta R.T. -0.005 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

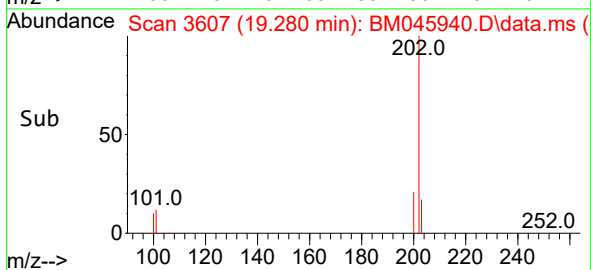
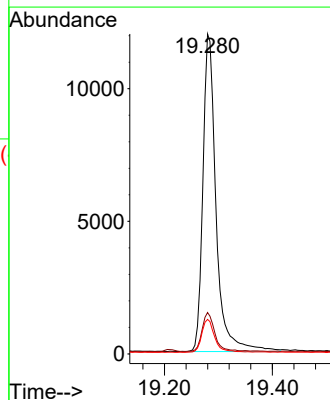
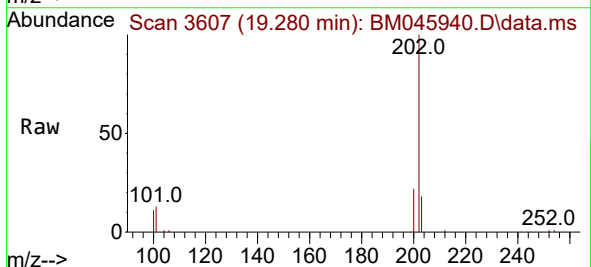
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4121

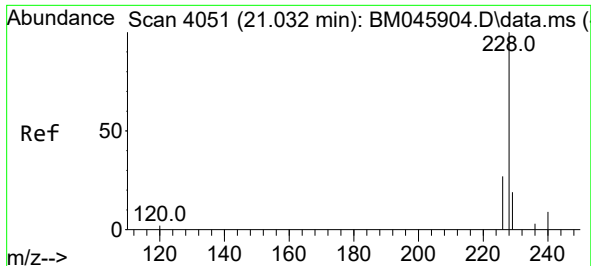
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|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 19711 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.3  | 9.0   | 13.6  |
| 100       | 8.9   | 7.0   | 10.6  |



#20  
Pyrene  
Concen: 0.379 ng/ul  
RT: 19.280 min Scan# 3607  
Delta R.T. -0.005 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 20324 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.0  | 10.6  | 16.0  |
| 100       | 10.8  | 9.1   | 13.7  |

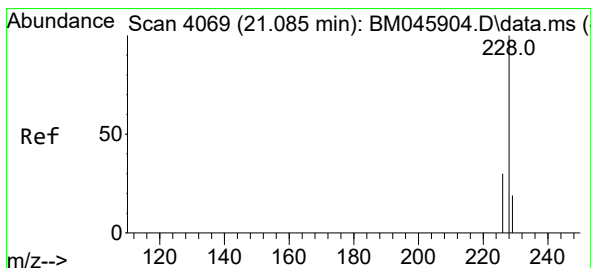
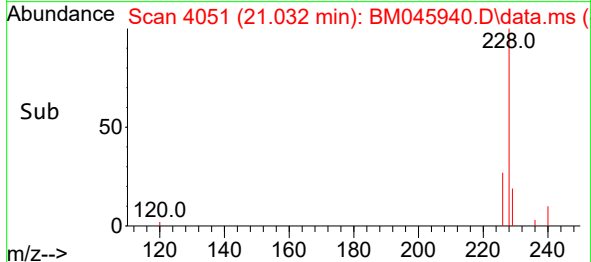
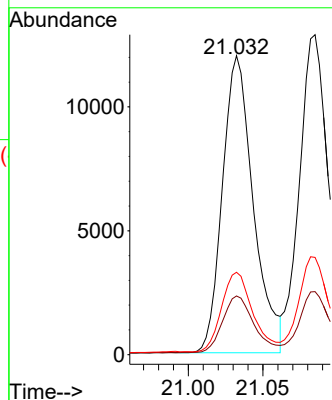
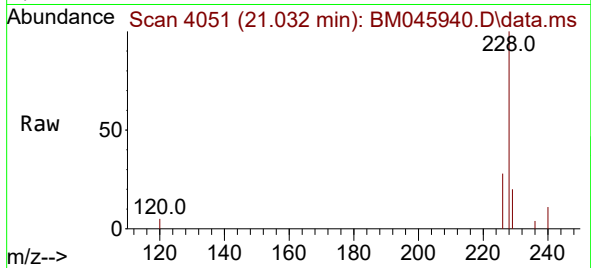




#21  
Benzo(a)anthracene  
Concen: 0.365 ng/ul  
RT: 21.032 min Scan# 4051  
Delta R.T. -0.003 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

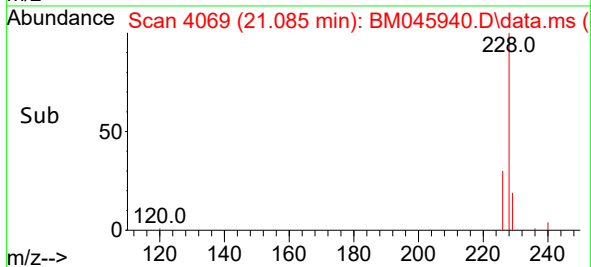
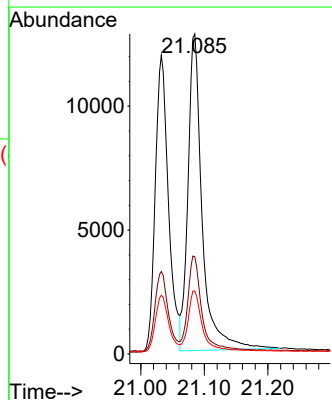
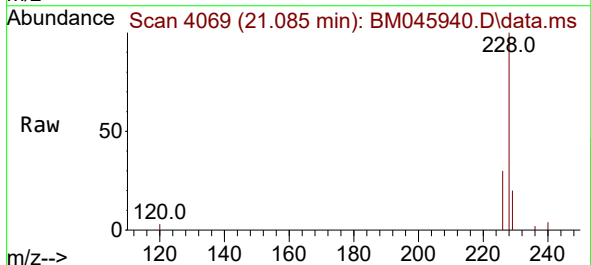
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4121

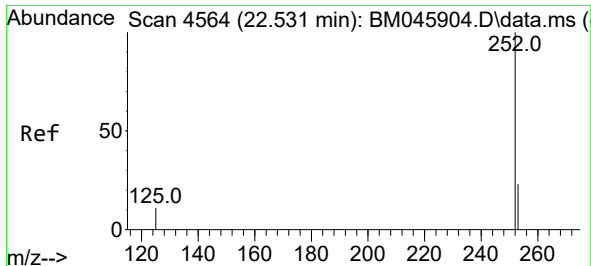
Tgt Ion:228 Resp: 17282  
Ion Ratio Lower Upper  
228 100  
229 19.6 15.7 23.5  
226 27.6 22.0 33.0



#22  
Chrysene  
Concen: 0.386 ng/ul  
RT: 21.085 min Scan# 4069  
Delta R.T. -0.003 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

Tgt Ion:228 Resp: 19851  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.5 36.7  
229 19.7 16.2 24.2

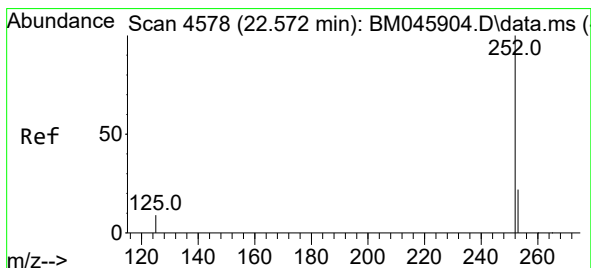
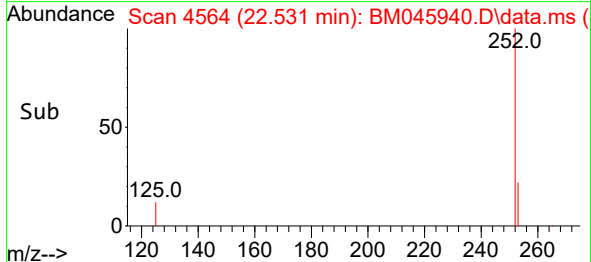
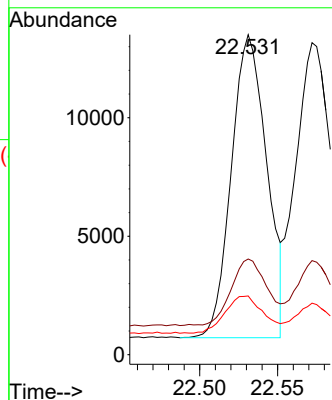
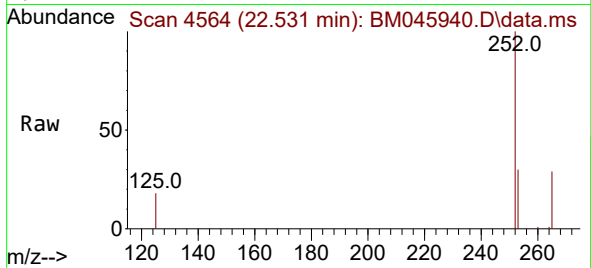




#24  
Benzo(b)fluoranthene  
Concen: 0.368 ng/ul  
RT: 22.531 min Scan# 4564  
Delta R.T. -0.006 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

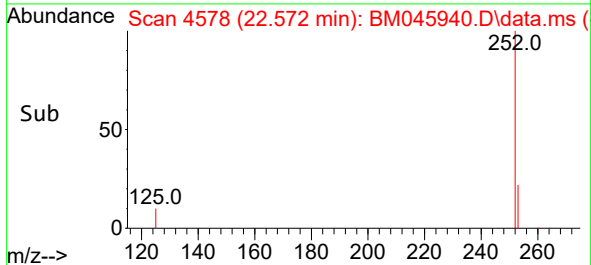
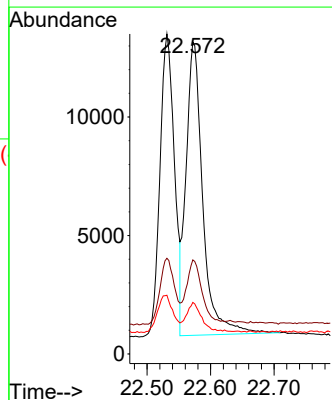
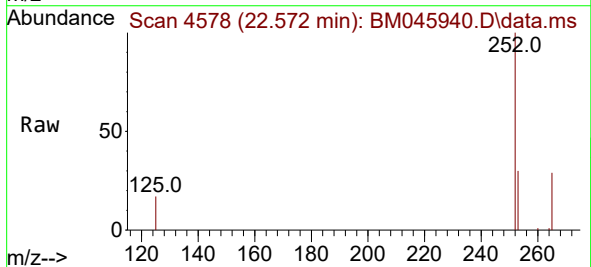
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4121

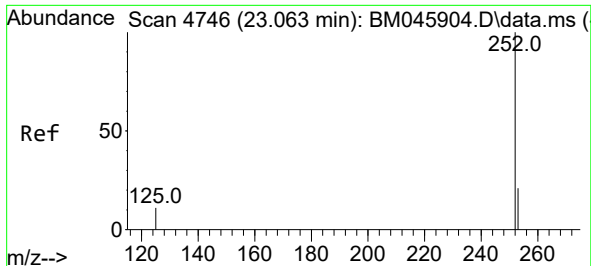
Tgt Ion:252 Resp: 20208  
Ion Ratio Lower Upper  
252 100  
253 29.9 0.0 63.6  
125 18.3 0.0 35.8



#25  
Benzo(k)fluoranthene  
Concen: 0.375 ng/ul  
RT: 22.572 min Scan# 4578  
Delta R.T. -0.009 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

Tgt Ion:252 Resp: 22660  
Ion Ratio Lower Upper  
252 100  
253 30.2 25.0 37.6  
125 16.5 14.2 21.2

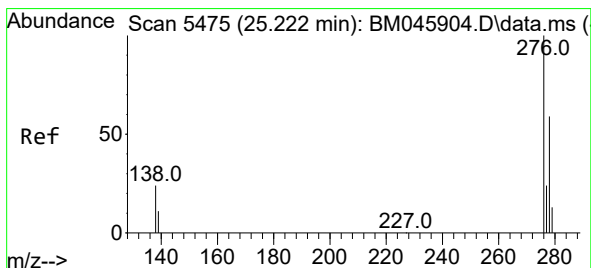
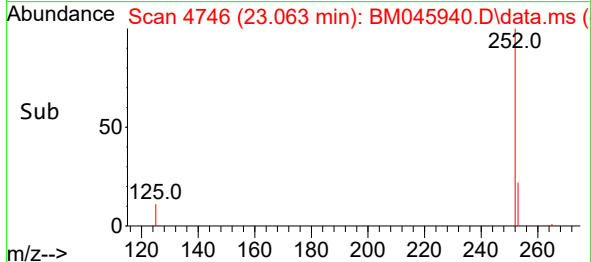
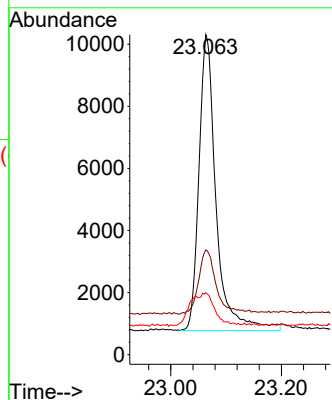
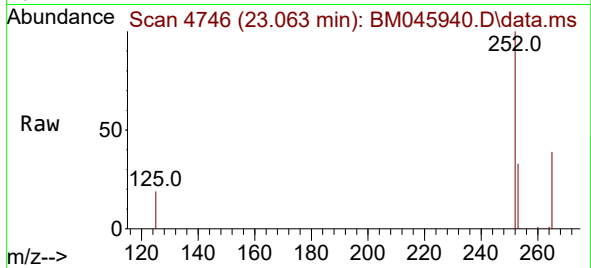




#26  
Benzo(a)pyrene  
Concen: 0.375 ng/ul  
RT: 23.063 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

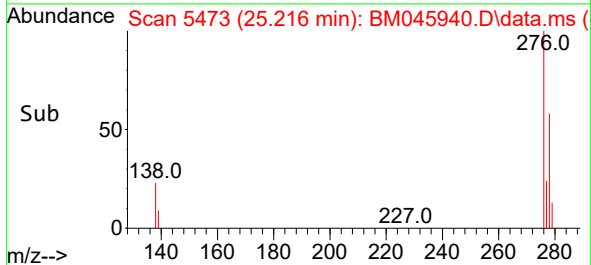
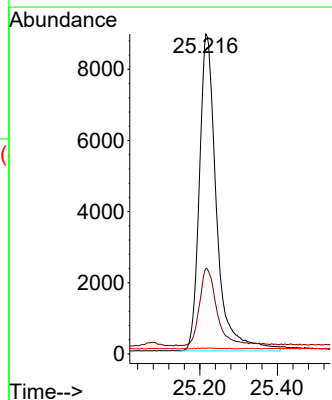
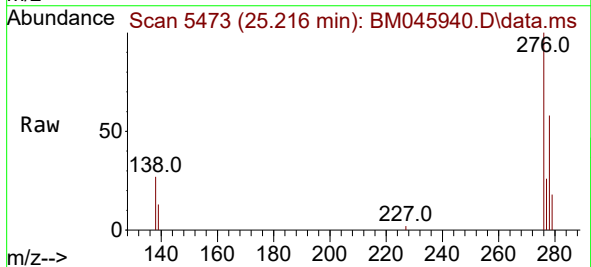
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4121

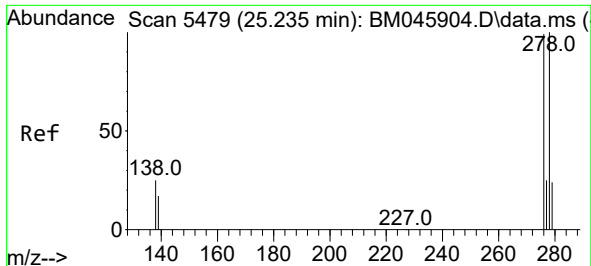
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 20505 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 32.7  | 28.8  | 43.2  |
| 125       | 19.4  | 17.3  | 25.9  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.386 ng/ul  
RT: 25.216 min Scan# 5473  
Delta R.T. -0.016 min  
Lab File: BM045940.D  
Acq: 09 Jun 2024 06:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 27265 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 25.0  | 20.7  | 31.1  |
| 227       | 0.1   | 0.2   | 0.2#  |

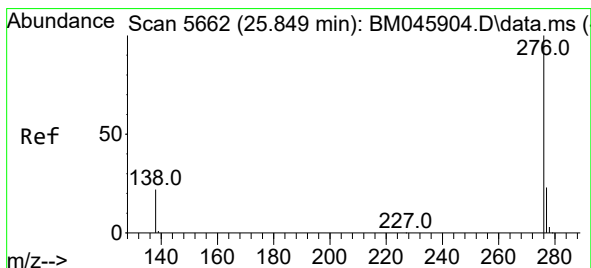
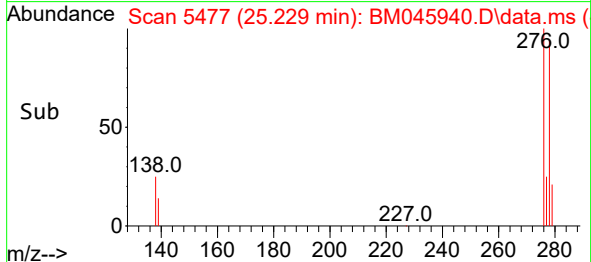
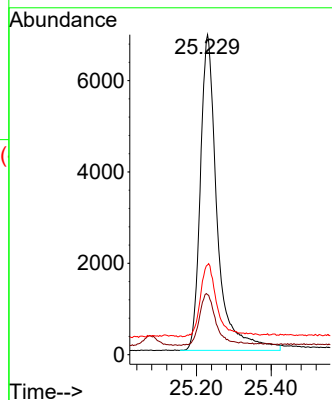
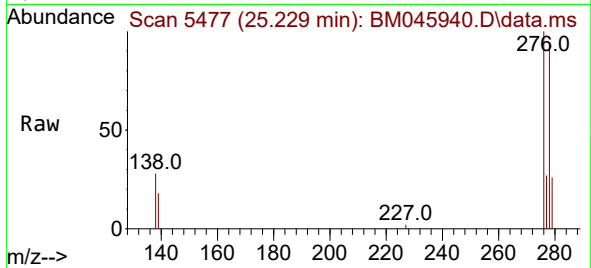




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.382 ng/ul  
 RT: 25.229 min Scan# 5479  
 Delta R.T. -0.020 min  
 Lab File: BM045940.D  
 Acq: 09 Jun 2024 06:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4121

Tgt Ion:278 Resp: 21590  
 Ion Ratio Lower Upper  
 278 100  
 139 18.7 16.6 25.0  
 279 28.1 24.6 37.0



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.388 ng/ul  
 RT: 25.843 min Scan# 5660  
 Delta R.T. -0.020 min  
 Lab File: BM045940.D  
 Acq: 09 Jun 2024 06:50

Tgt Ion:276 Resp: 23680  
 Ion Ratio Lower Upper  
 276 100  
 138 25.2 21.0 31.4  
 277 25.0 20.5 30.7

