

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080824\  
 Data File : BM047083.D  
 Acq On : 08 Aug 2024 11:37  
 Operator : RC/JU  
 Sample : PB162452BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS452

Quant Time: Aug 08 12:35:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM080724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 08 05:48:16 2024  
 Response via : Initial Calibration

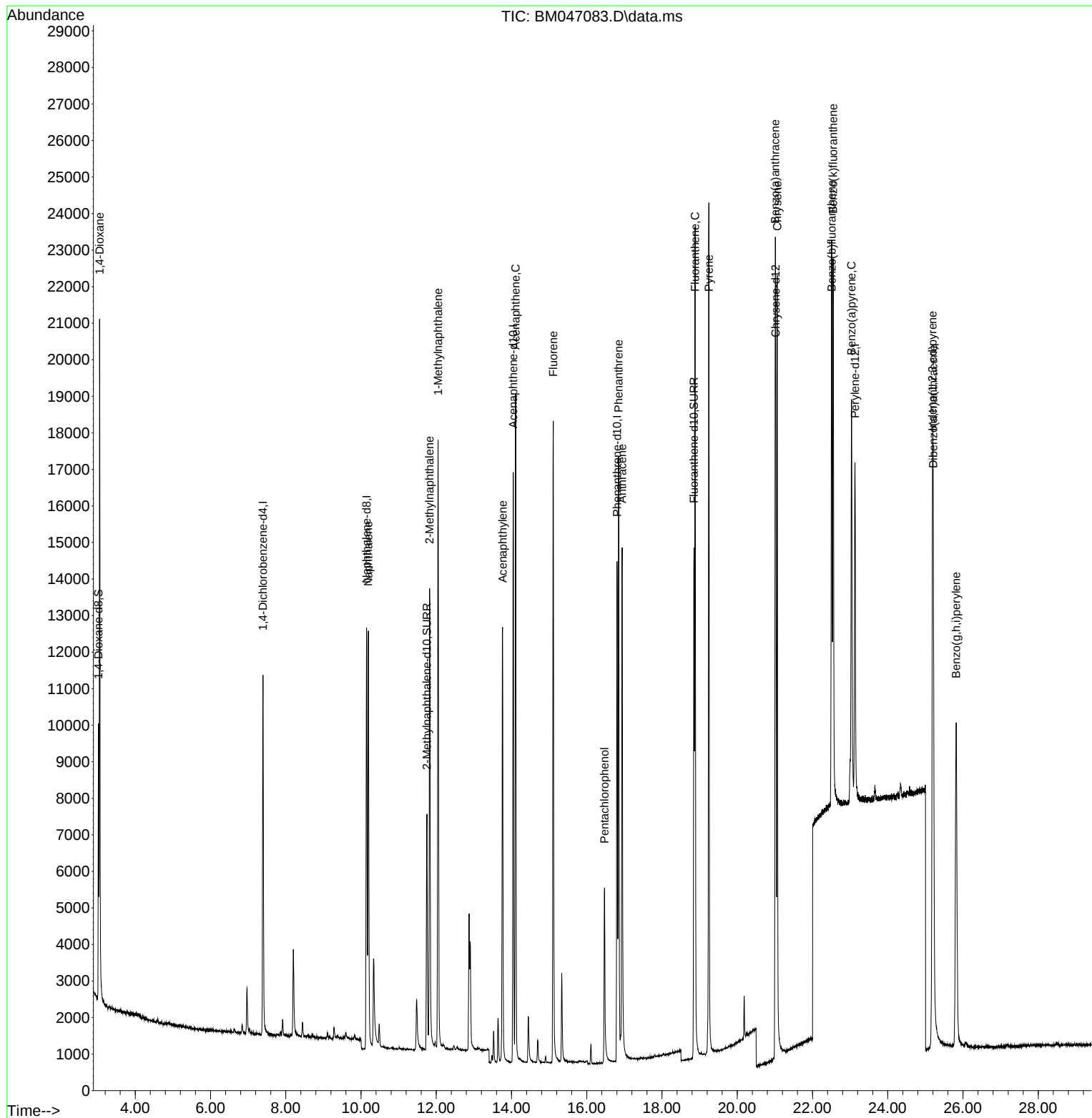
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.393  | 152  | 5313     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.146 | 136  | 16404    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.045 | 164  | 8851     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.805 | 188  | 17556    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.024 | 240  | 12899    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.128 | 264  | 12309    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.022  | 96   | 4243     | 0.792 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.751 | 152  | 9575     | 0.391 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.850 | 212  | 16138    | 0.433 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.051  | 88   | 11358    | 1.898 | ng/ul  | 88       |
| 5) Naphthalene              | 10.195 | 128  | 15803    | 0.369 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.823 | 142  | 10089    | 0.361 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.048 | 142  | 12096    | 0.414 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.763 | 152  | 14556    | 0.355 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.110 | 153  | 10902    | 0.390 | ng/ul  | 98       |
| 12) Fluorene                | 15.109 | 166  | 12066    | 0.371 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.471 | 266  | 3869     | 0.692 | ng/ul  | 96       |
| 15) Phenanthrene            | 16.847 | 178  | 18213    | 0.360 | ng/ul  | 99       |
| 16) Anthracene              | 16.940 | 178  | 16043    | 0.355 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.878 | 202  | 19778    | 0.378 | ng/ul  | 98       |
| 20) Pyrene                  | 19.245 | 202  | 20685    | 0.378 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.010 | 228  | 17224    | 0.364 | ng/ul  | 100      |
| 22) Chrysene                | 21.062 | 228  | 18745    | 0.373 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.508 | 252  | 18139    | 0.371 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 22.549 | 252  | 19224    | 0.376 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.038 | 252  | 16230    | 0.420 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.190 | 276  | 21784    | 0.371 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.210 | 278  | 16680    | 0.365 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 25.817 | 276  | 18191    | 0.374 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

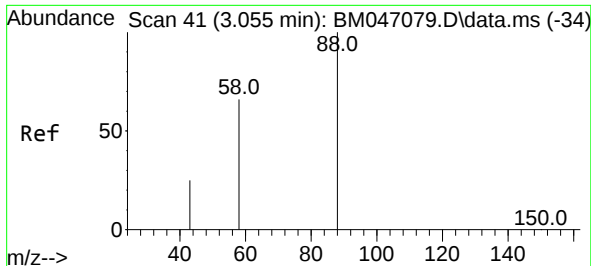
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080824\  
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Sample : PB162452BS  
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Quant Time: Aug 08 12:35:44 2024  
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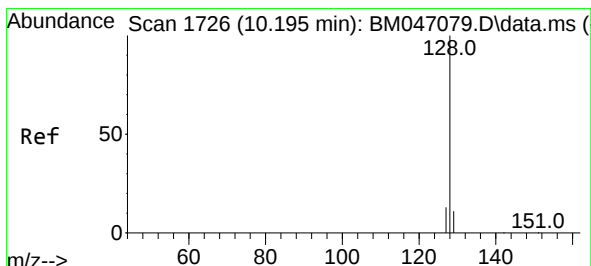
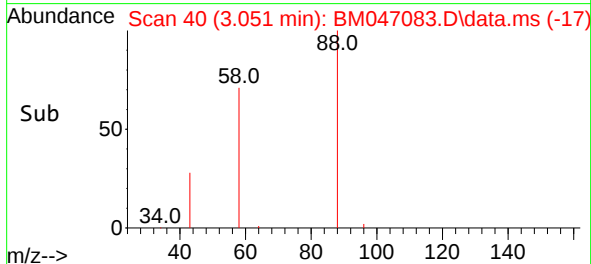
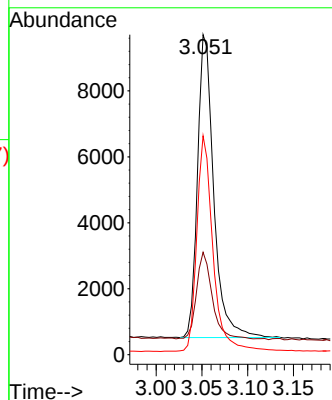
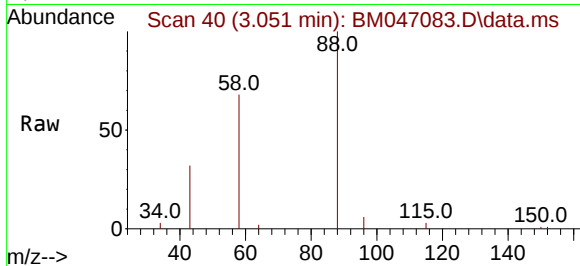




#2  
1,4-Dioxane  
Concen: 1.898 ng/ul  
RT: 3.051 min Scan# 41  
Delta R.T. -0.004 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

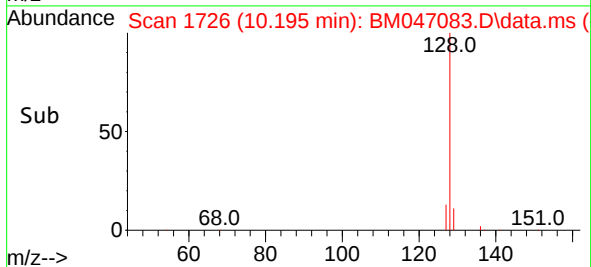
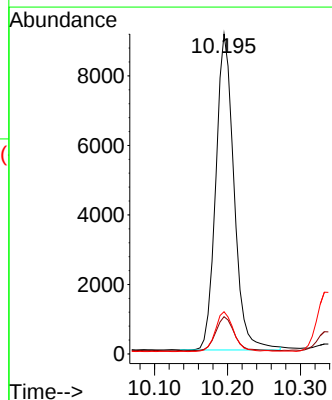
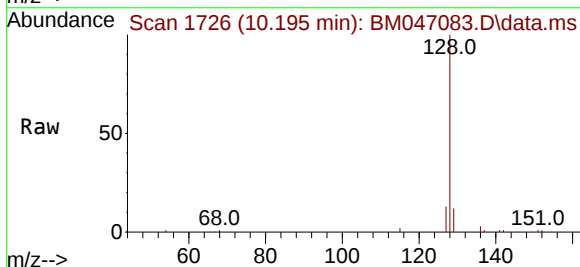
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

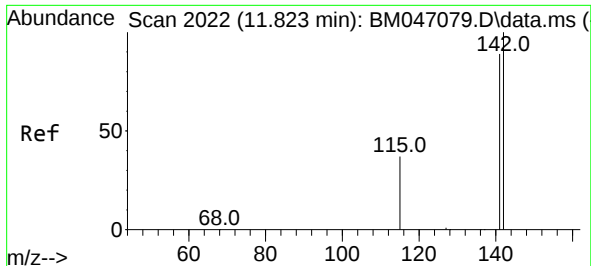
Tgt Ion: 88 Resp: 11358  
Ion Ratio Lower Upper  
88 100  
43 32.0 32.0 48.0  
58 68.4 48.1 72.1



#5  
Naphthalene  
Concen: 0.369 ng/ul  
RT: 10.195 min Scan# 1726  
Delta R.T. -0.005 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Tgt Ion: 128 Resp: 15803  
Ion Ratio Lower Upper  
128 100  
129 11.7 8.9 13.3  
127 13.2 10.6 15.8

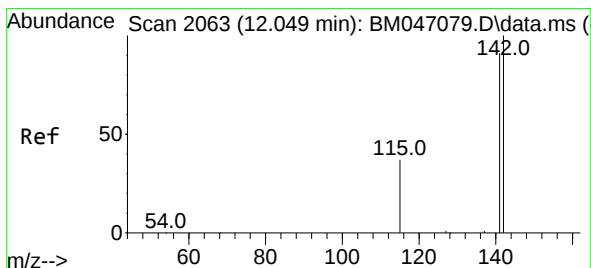
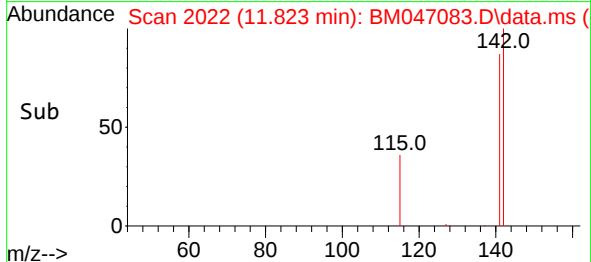
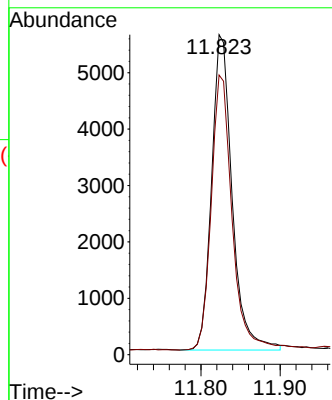
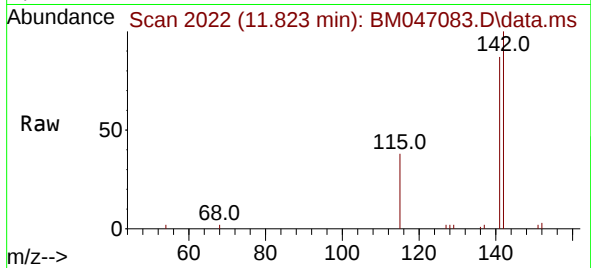




#7  
2-Methylnaphthalene  
Concen: 0.361 ng/ul  
RT: 11.823 min Scan# 2022  
Delta R.T. -0.005 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

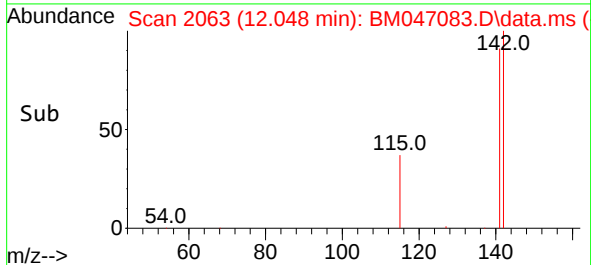
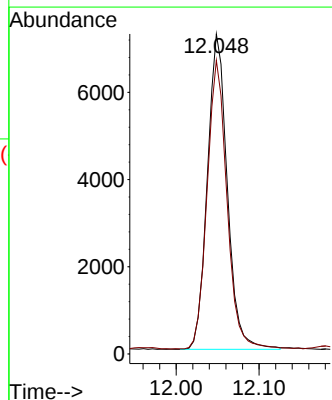
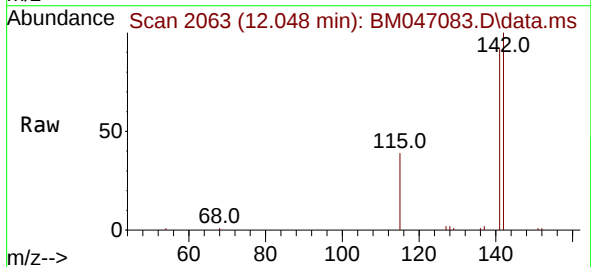
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

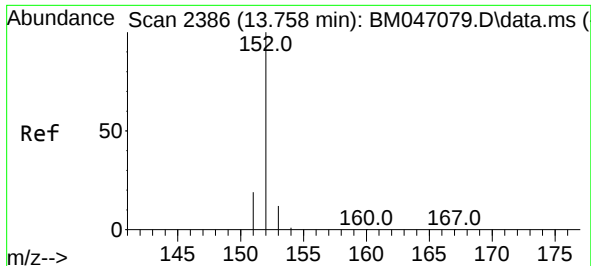
Tgt Ion:142 Resp: 10089  
Ion Ratio Lower Upper  
142 100  
141 87.9 70.0 105.0



#8  
1-Methylnaphthalene  
Concen: 0.414 ng/ul  
RT: 12.048 min Scan# 2063  
Delta R.T. -0.005 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Tgt Ion:142 Resp: 12096  
Ion Ratio Lower Upper  
142 100  
141 91.2 72.6 109.0

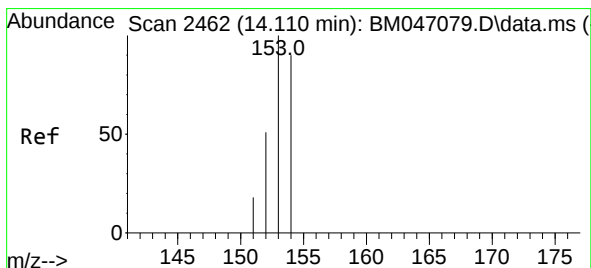
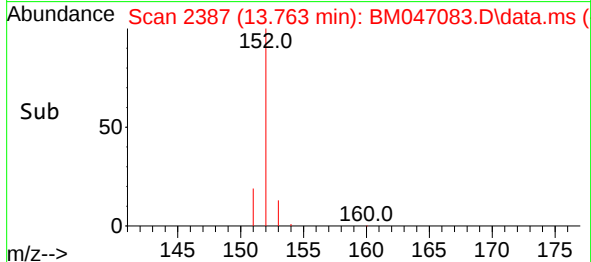
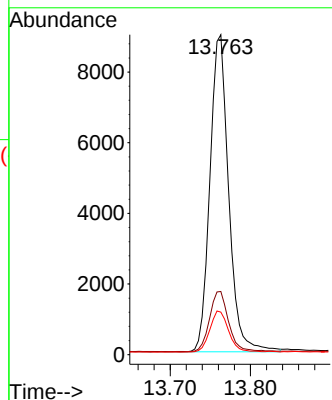
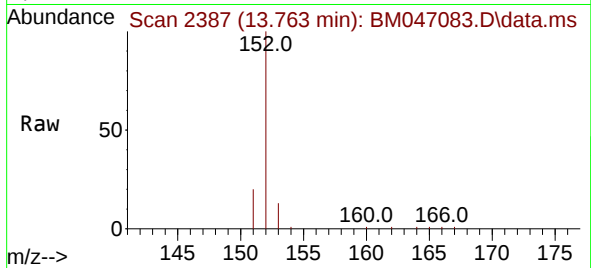




#10  
Acenaphthylene  
Concen: 0.355 ng/ul  
RT: 13.763 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

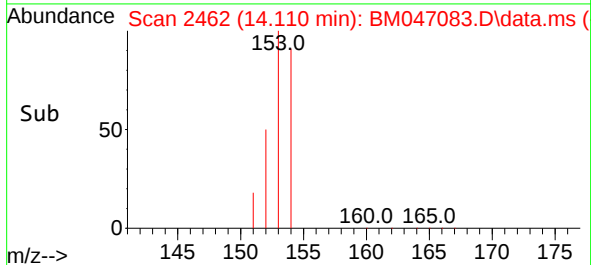
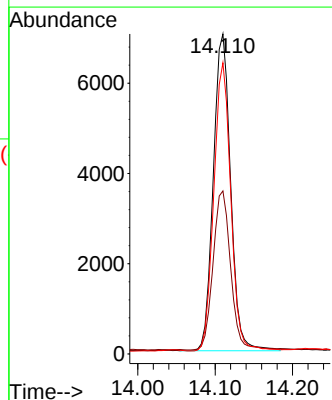
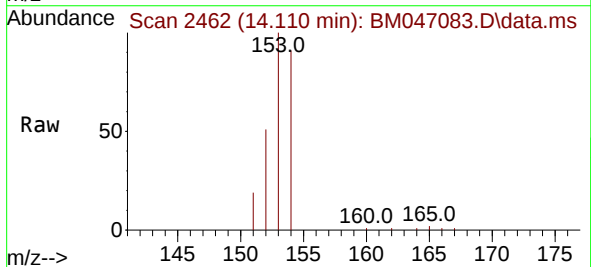
Instrument :  
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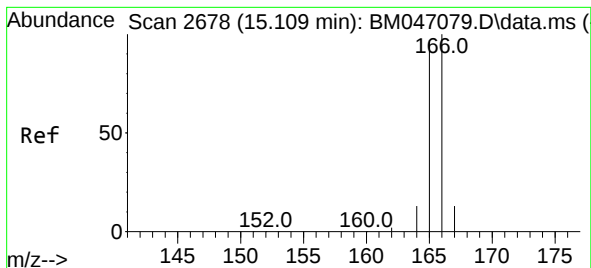
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 14556 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.8  | 15.8  | 23.6  |
| 153       | 13.3  | 10.8  | 16.2  |



#11  
Acenaphthene  
Concen: 0.390 ng/ul  
RT: 14.110 min Scan# 2462  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 10902 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 50.9  | 41.6  | 62.4  |
| 154       | 91.0  | 71.1  | 106.7 |





#12

Fluorene

Concen: 0.371 ng/ul

RT: 15.109 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM047083.D

Acq: 08 Aug 2024 11:37

Instrument :

BNA\_M

ClientSampleId :

SLCS452

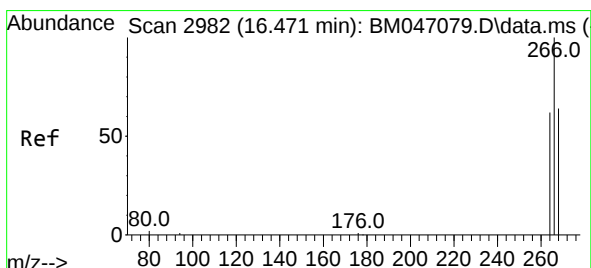
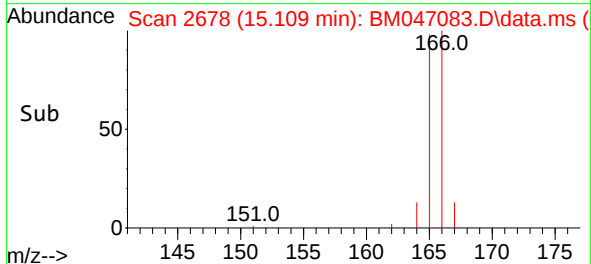
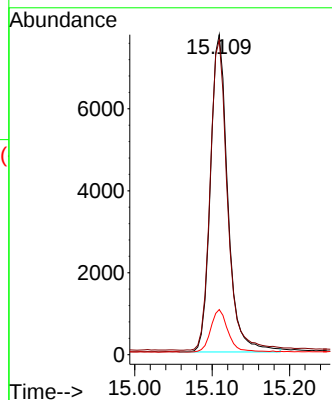
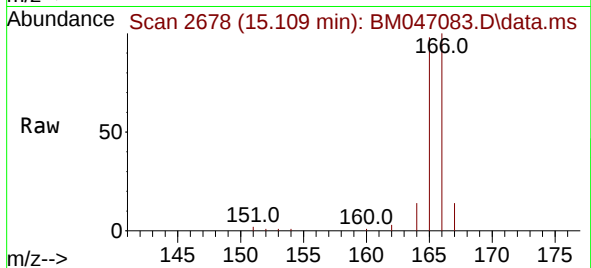
Tgt Ion:166 Resp: 12066

Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

167 14.1 10.7 16.1



#14

Pentachlorophenol

Concen: 0.692 ng/ul

RT: 16.471 min Scan# 2982

Delta R.T. 0.000 min

Lab File: BM047083.D

Acq: 08 Aug 2024 11:37

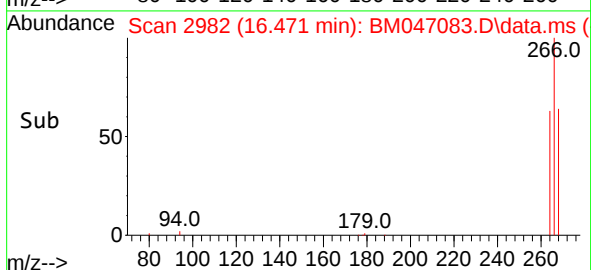
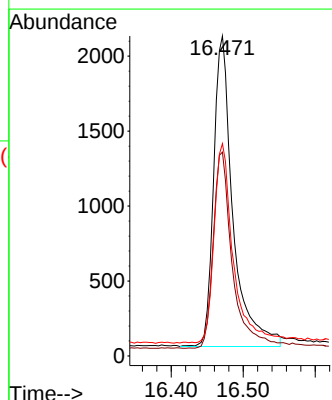
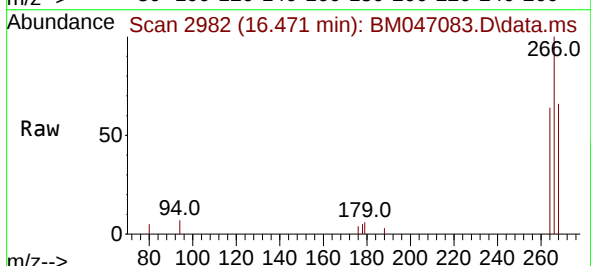
Tgt Ion:266 Resp: 3869

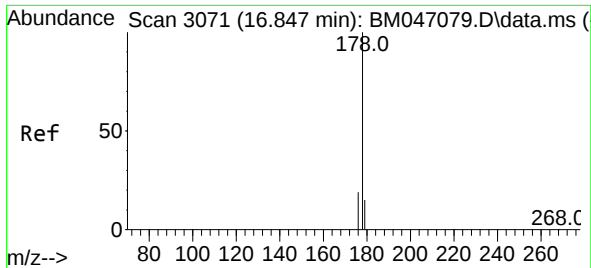
Ion Ratio Lower Upper

266 100

264 62.5 47.2 70.8

268 63.3 48.2 72.4

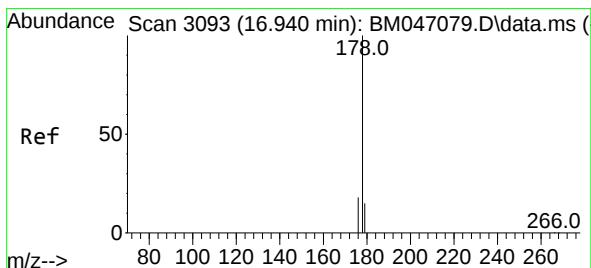
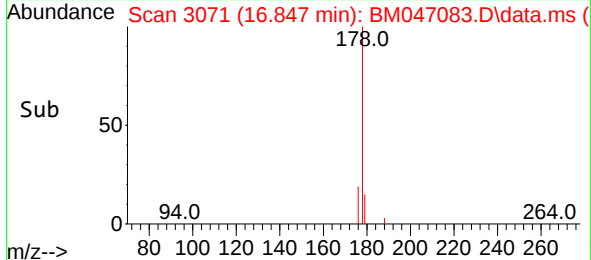
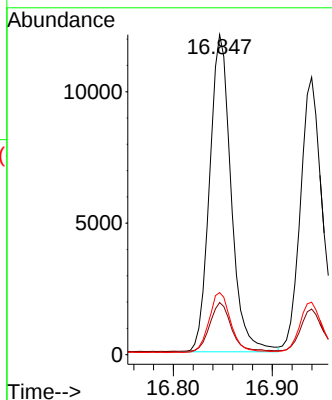
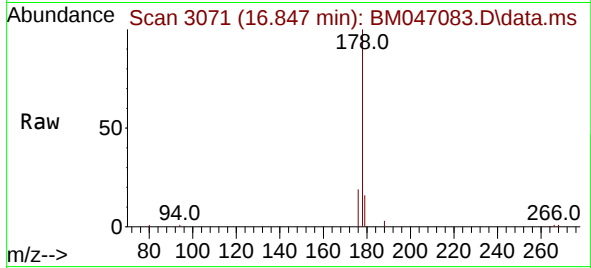




#15  
Phenanthrene  
Concen: 0.360 ng/ul  
RT: 16.847 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

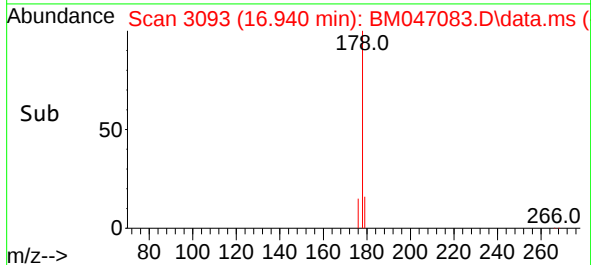
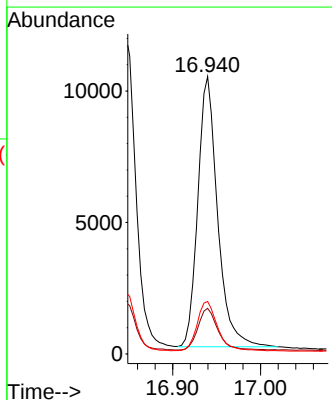
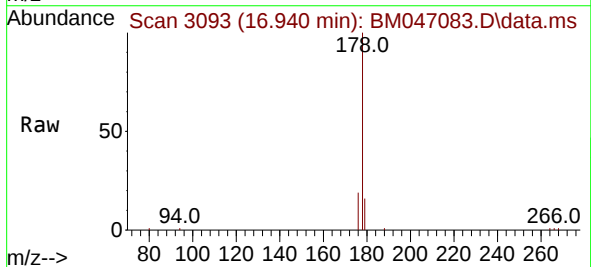
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BNA\_M  
ClientSampleId :  
SLCS452

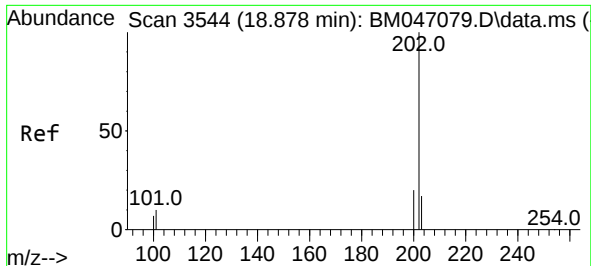
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| Tgt Ion:  | 178   | Resp: | 18213 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.3  | 12.7  | 19.1  |
| 176       | 19.4  | 15.7  | 23.5  |



#16  
Anthracene  
Concen: 0.355 ng/ul  
RT: 16.940 min Scan# 3093  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 16043 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.4  | 12.7  | 19.1  |
| 176       | 18.9  | 15.2  | 22.8  |

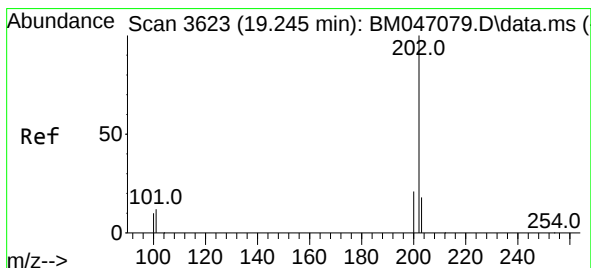
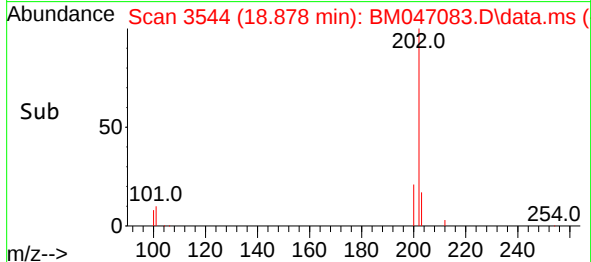
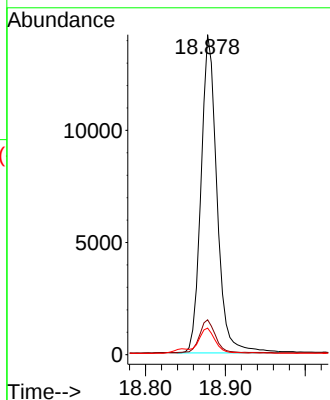
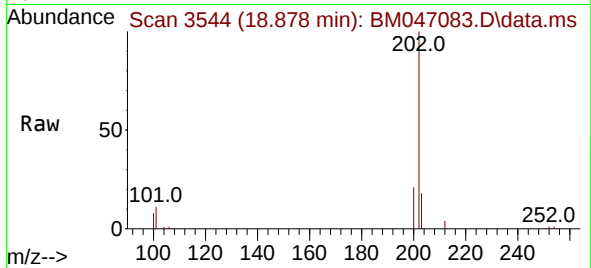




#19  
Fluoranthene  
Concen: 0.378 ng/ul  
RT: 18.878 min Scan# 3544  
Delta R.T. -0.004 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

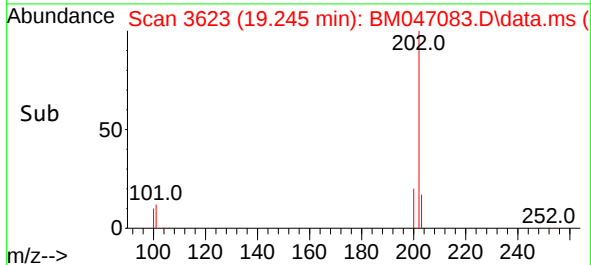
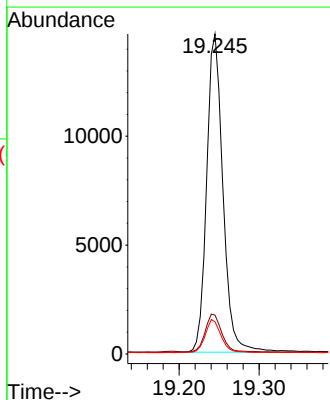
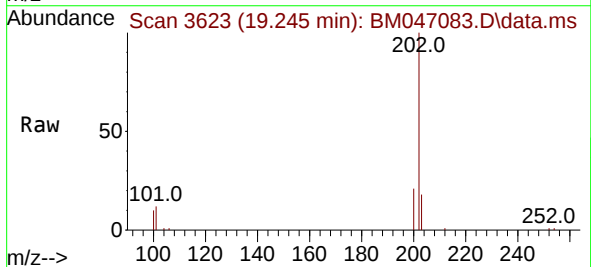
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

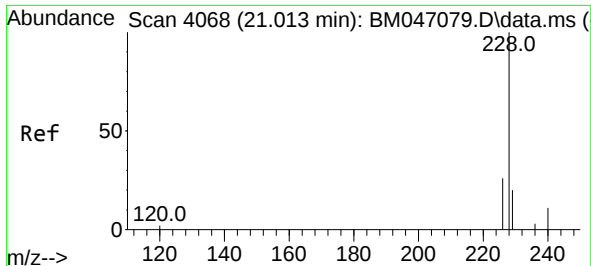
Tgt Ion:202 Resp: 19778  
Ion Ratio Lower Upper  
202 100  
101 10.9 8.2 12.2  
100 8.3 6.0 9.0



#20  
Pyrene  
Concen: 0.378 ng/ul  
RT: 19.245 min Scan# 3623  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Tgt Ion:202 Resp: 20685  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.8 14.8  
100 10.1 8.0 12.0

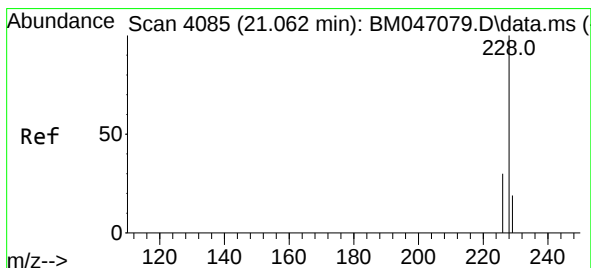
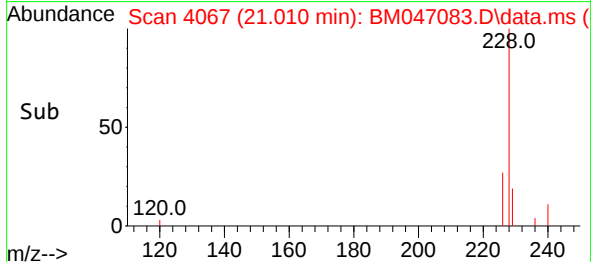
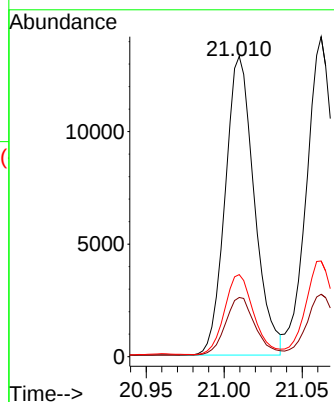
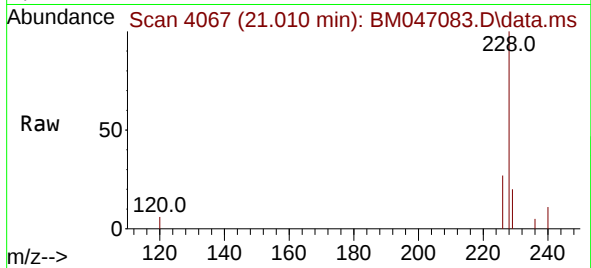




#21  
Benzo(a)anthracene  
Concen: 0.364 ng/ul  
RT: 21.010 min Scan# 4067  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

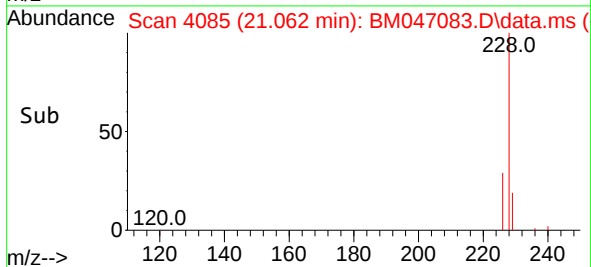
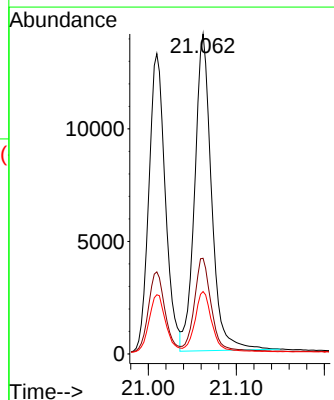
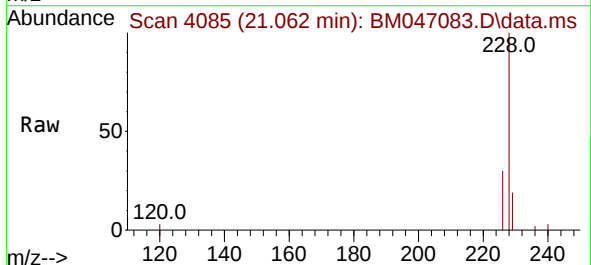
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

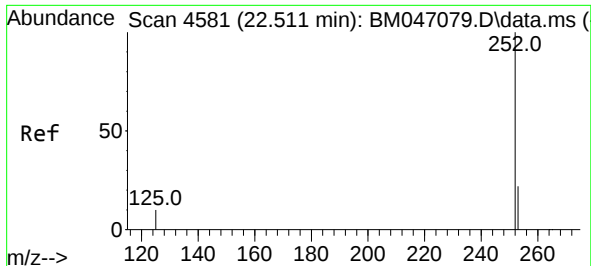
Tgt Ion:228 Resp: 17224  
Ion Ratio Lower Upper  
228 100  
229 19.7 15.9 23.9  
226 27.3 22.1 33.1



#22  
Chrysene  
Concen: 0.373 ng/ul  
RT: 21.062 min Scan# 4085  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Tgt Ion:228 Resp: 18745  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.9 35.9  
229 19.5 15.7 23.5

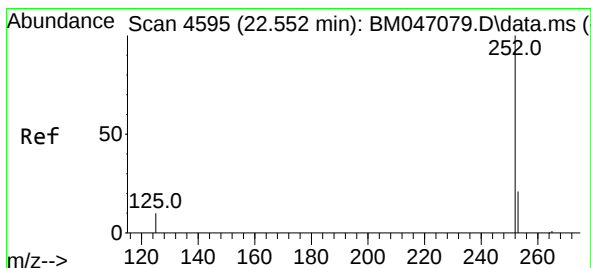
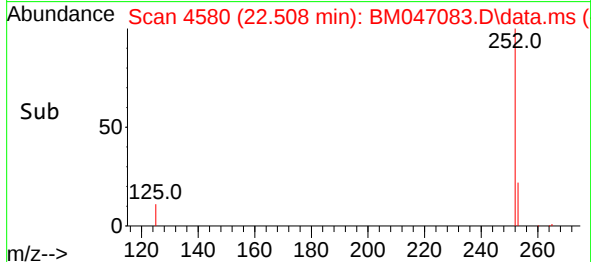
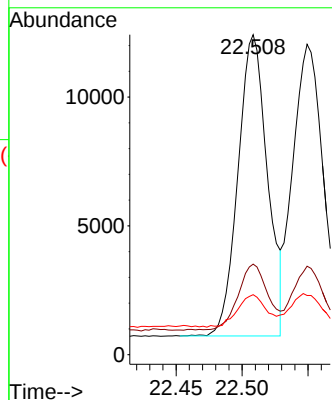
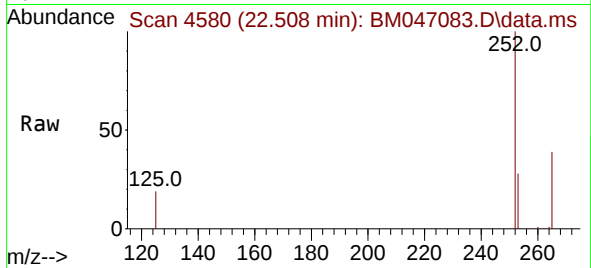




#24  
Benzo(b)fluoranthene  
Concen: 0.371 ng/ul  
RT: 22.508 min Scan# 4580  
Delta R.T. 0.003 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

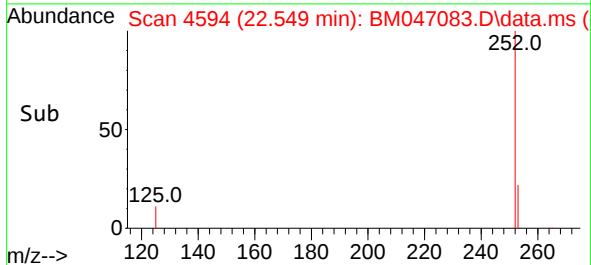
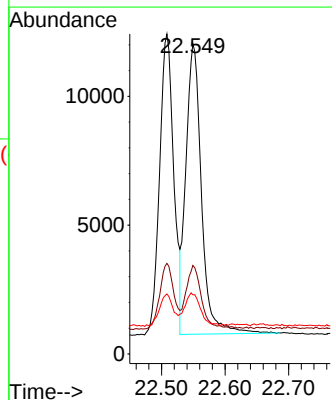
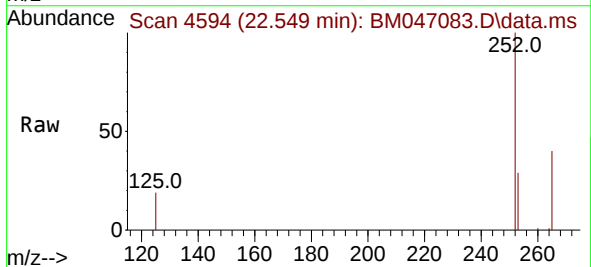
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

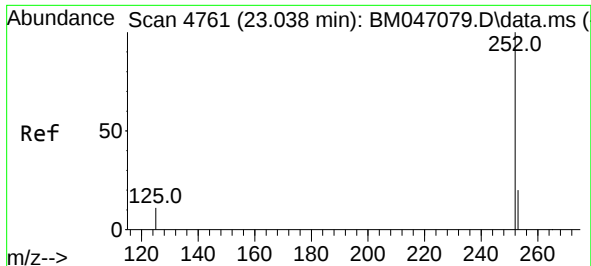
Tgt Ion:252 Resp: 18139  
Ion Ratio Lower Upper  
252 100  
253 28.3 0.0 53.4  
125 18.7 0.0 32.0



#25  
Benzo(k)fluoranthene  
Concen: 0.376 ng/ul  
RT: 22.549 min Scan# 4594  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Tgt Ion:252 Resp: 19224  
Ion Ratio Lower Upper  
252 100  
253 28.5 21.1 31.7  
125 19.1 13.2 19.8

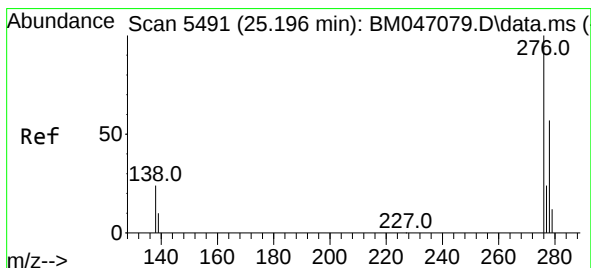
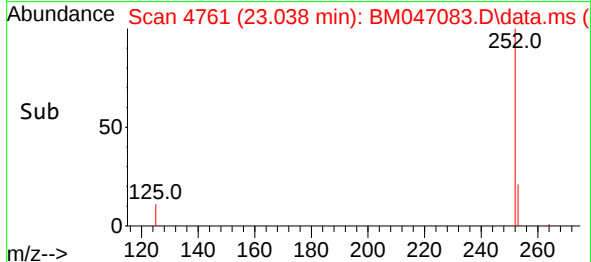
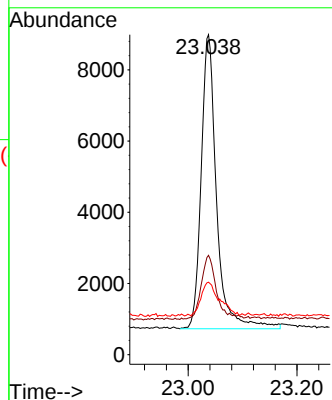
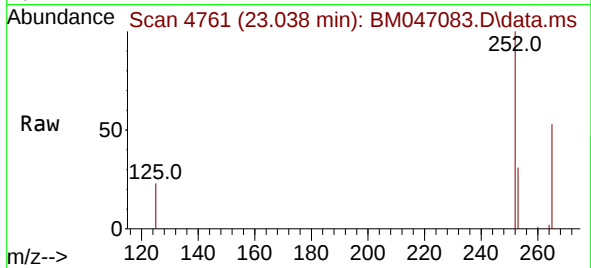




#26  
Benzo(a)pyrene  
Concen: 0.420 ng/ul  
RT: 23.038 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

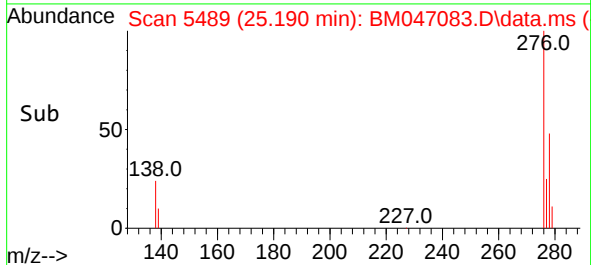
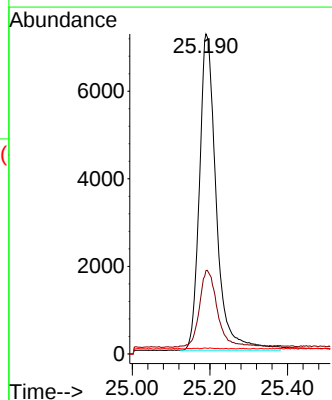
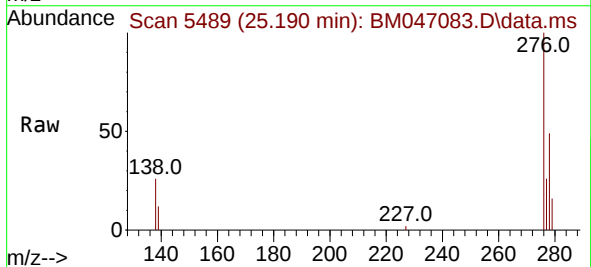
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

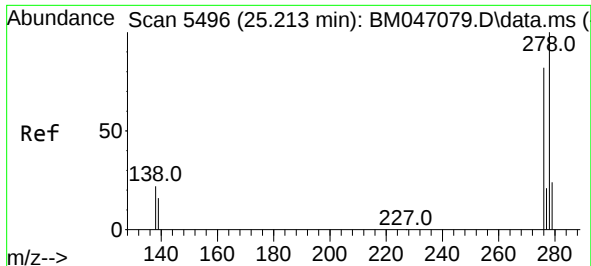
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 16230 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.1  | 23.6  | 35.4  |
| 125       | 22.7  | 15.8  | 23.6  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.371 ng/ul  
RT: 25.190 min Scan# 5489  
Delta R.T. -0.003 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 21784 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 25.7  | 20.1  | 30.1  |
| 227       | 0.1   | 0.2   | 0.2   |

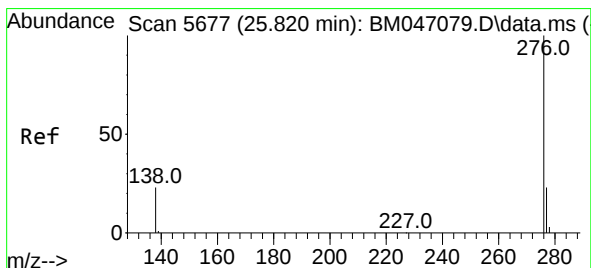
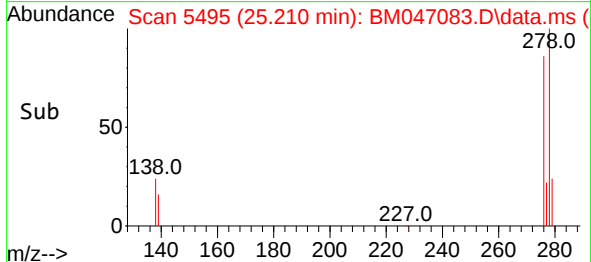
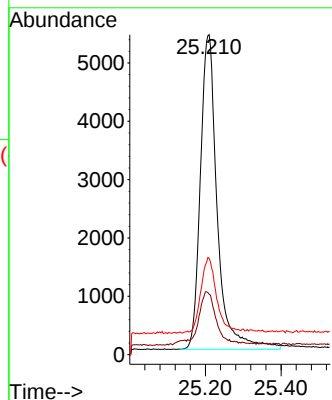
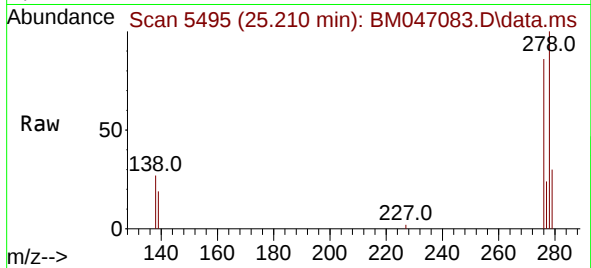




#28  
Dibenzo(a,h)anthracene  
Concen: 0.365 ng/ul  
RT: 25.210 min Scan# 5496  
Delta R.T. 0.000 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS452

Tgt Ion:278 Resp: 16680  
Ion Ratio Lower Upper  
278 100  
139 18.9 14.6 21.8  
279 30.2 22.1 33.1



#29  
Benzo(g,h,i)perylene  
Concen: 0.374 ng/ul  
RT: 25.817 min Scan# 5676  
Delta R.T. -0.003 min  
Lab File: BM047083.D  
Acq: 08 Aug 2024 11:37

Tgt Ion:276 Resp: 18191  
Ion Ratio Lower Upper  
276 100  
138 24.4 18.7 28.1  
277 25.3 19.6 29.4

