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 Data File : BM031116.D  
 Acq On : 24 Jul 2021 12:13  
 Operator : CG/JU  
 Sample : PB137709BS  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS709

Quant Time: Jul 26 01:43:31 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 26 01:37:33 2021  
 Response via : Initial Calibration

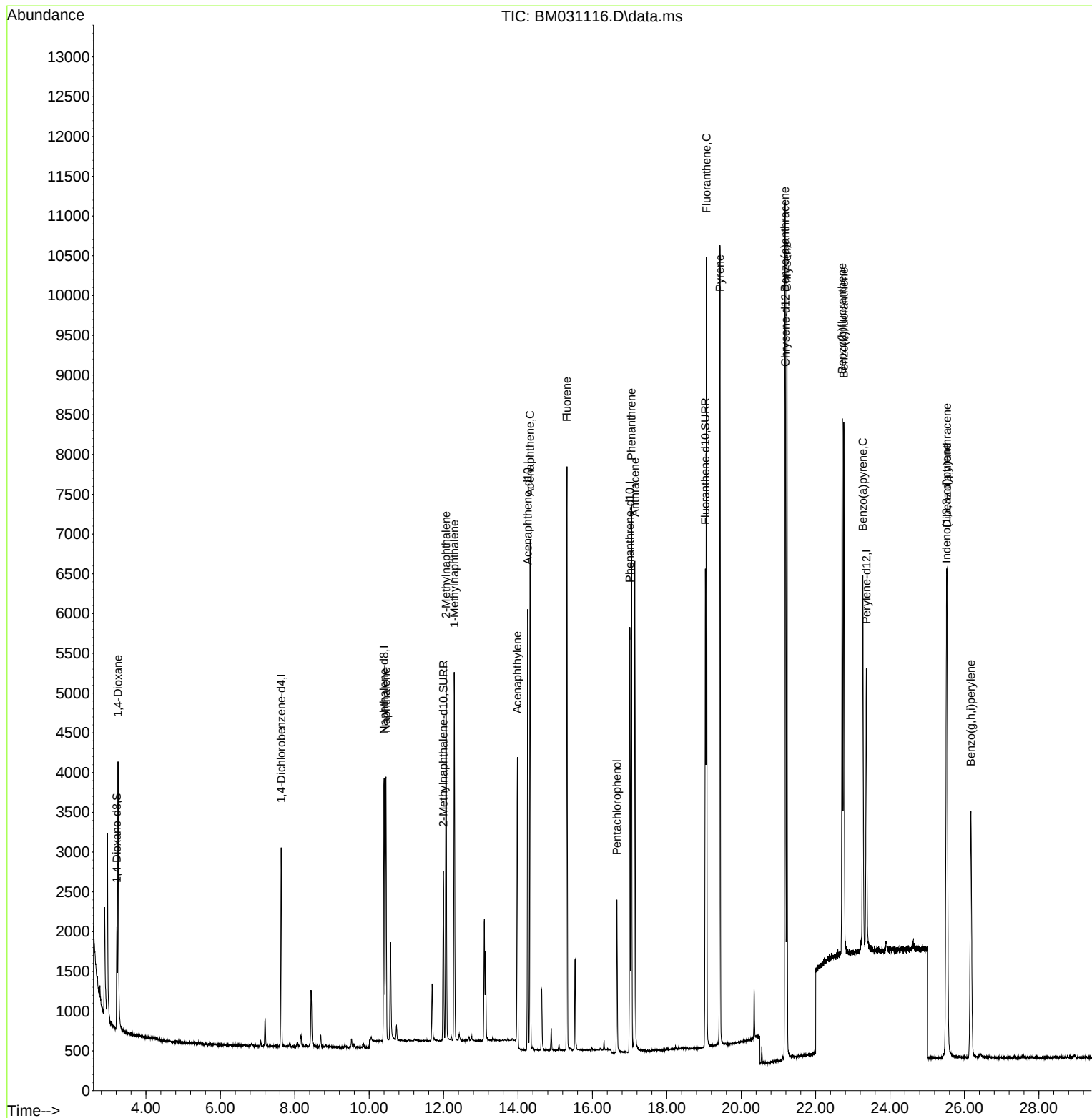
| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.635  | 152  | 1222     | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.401 | 136  | 4558     | 0.40 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.262 | 164  | 2972     | 0.40 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.006 | 188  | 6493     | 0.40 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.190 | 240  | 5414     | 0.40 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.363 | 264  | 4423     | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |      |        |          |
| 3) 1,4-Dioxane-d8           | 3.217  | 96   | 872      | 0.68 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.993 | 152  | 2798     | 0.35 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.035 | 212  | 6941     | 0.42 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      | Qvalue |          |
| 2) 1,4-Dioxane              | 3.248  | 88   | 2199     | 1.75 | ng/ul# | 84       |
| 5) Naphthalene              | 10.451 | 128  | 4616     | 0.34 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.065 | 142  | 3286     | 0.33 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.286 | 142  | 3083     | 0.32 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.981 | 152  | 4137     | 0.34 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.326 | 153  | 3692     | 0.34 | ng/ul  | 96       |
| 12) Fluorene                | 15.316 | 166  | 4354     | 0.34 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.659 | 266  | 1239     | 0.55 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.048 | 178  | 7308     | 0.35 | ng/ul  | 99       |
| 16) Anthracene              | 17.141 | 178  | 6708     | 0.35 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.066 | 202  | 8783     | 0.40 | ng/ul  | 97       |
| 20) Pyrene                  | 19.428 | 202  | 8830     | 0.40 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.176 | 228  | 8036     | 0.37 | ng/ul  | 99       |
| 22) Chrysene                | 21.227 | 228  | 8657     | 0.37 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.716 | 252  | 8108     | 0.39 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 22.757 | 252  | 8184     | 0.39 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.270 | 252  | 6598     | 0.37 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.516 | 276  | 7610     | 0.32 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.531 | 278  | 6097     | 0.32 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 26.173 | 276  | 6284     | 0.31 | ng/ul  | 97       |
| -----                       |        |      |          |      |        |          |

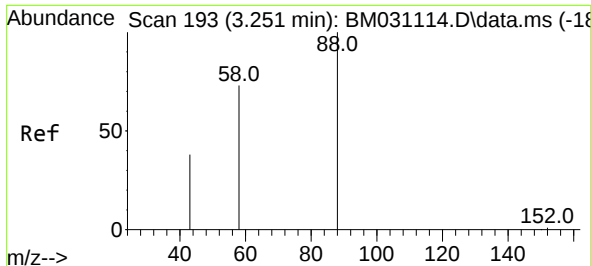
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072321\  
Data File : BM031116.D  
Acq On : 24 Jul 2021 12:13  
Operator : CG/JU  
Sample : PB137709BS  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS709

Quant Time: Jul 26 01:43:31 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM072221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 26 01:37:33 2021  
Response via : Initial Calibration

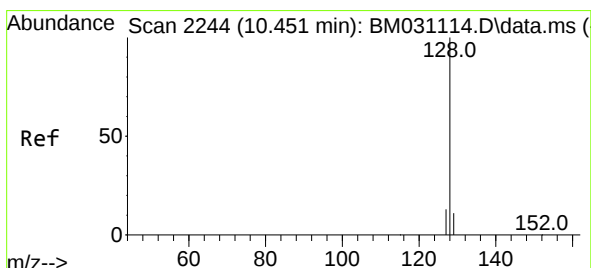
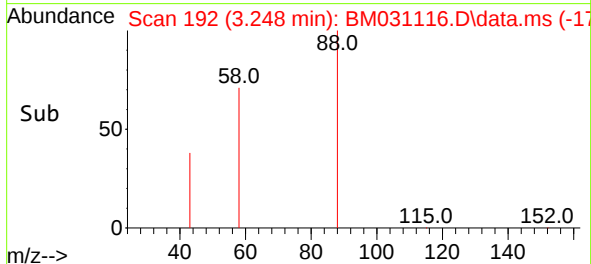
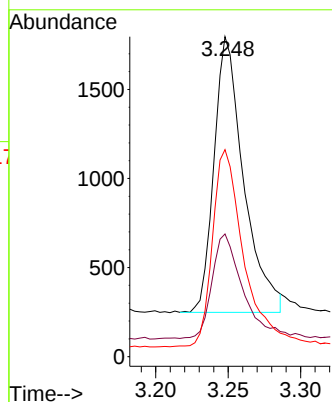
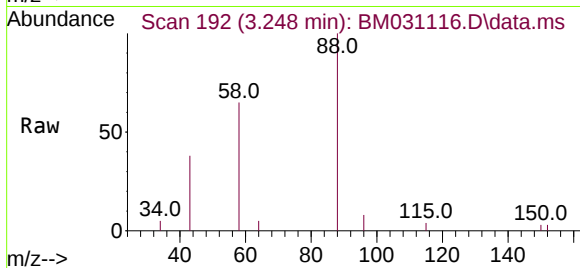




#2  
1,4-Dioxane  
Concen: 1.75 ng/ul  
RT: 3.248 min Scan# 192  
Delta R.T. -0.003 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

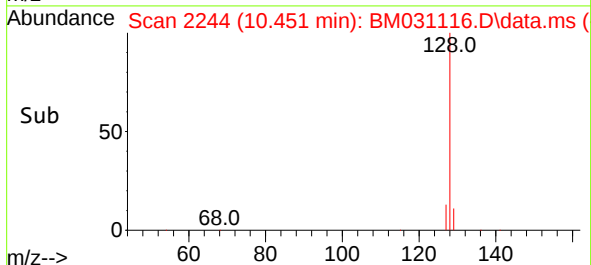
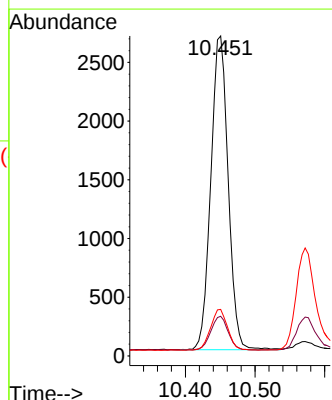
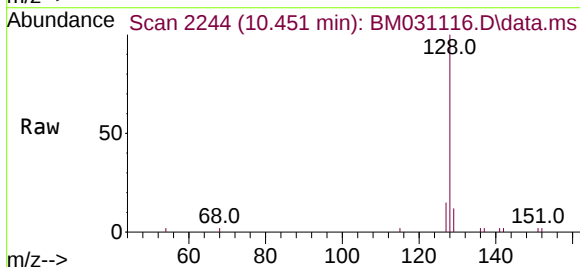
Instrument :  
BNA\_M  
ClientSampled :  
SLCS709

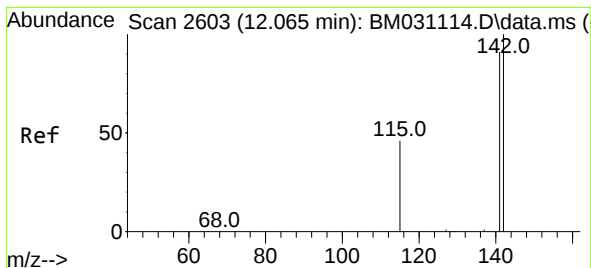
|             |                 |
|-------------|-----------------|
| Tgt Ion: 88 | Resp: 2199      |
| Ion Ratio   | Lower Upper     |
| 88          | 100             |
| 43          | 38.4 35.2 52.8  |
| 58          | 64.7 39.1 58.7# |



#5  
Naphthalene  
Concen: 0.34 ng/ul  
RT: 10.451 min Scan# 2244  
Delta R.T. -0.004 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

|              |                |
|--------------|----------------|
| Tgt Ion: 128 | Resp: 4616     |
| Ion Ratio    | Lower Upper    |
| 128          | 100            |
| 129          | 12.4 10.2 15.4 |
| 127          | 14.6 11.8 17.8 |

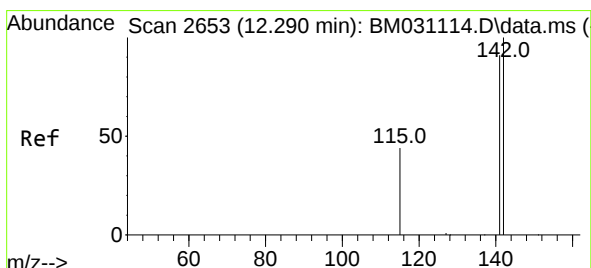
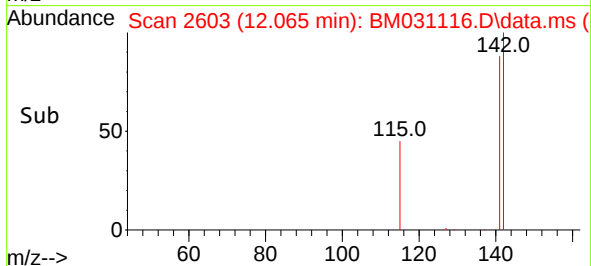
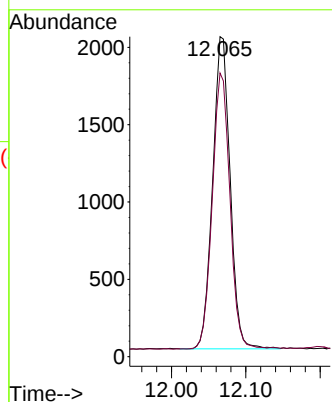
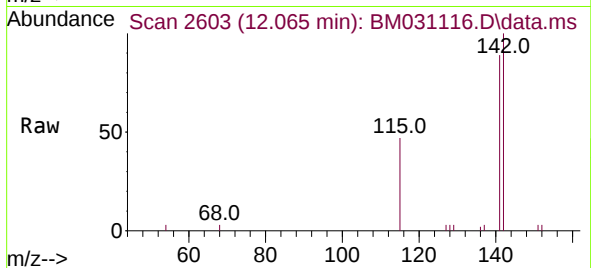




#7  
2-Methylnaphthalene  
Concen: 0.33 ng/ul  
RT: 12.065 min Scan# 2603  
Delta R.T. -0.009 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

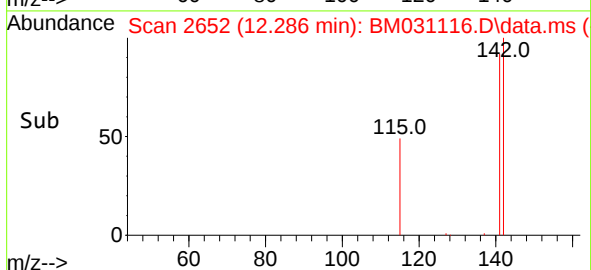
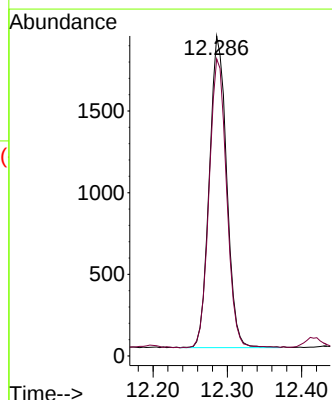
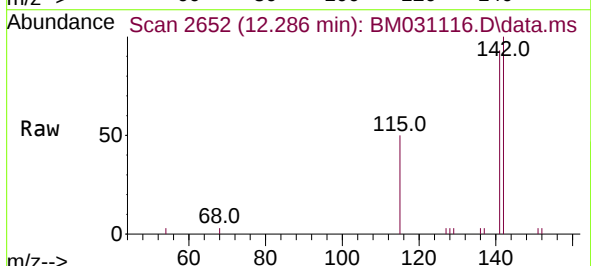
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS709

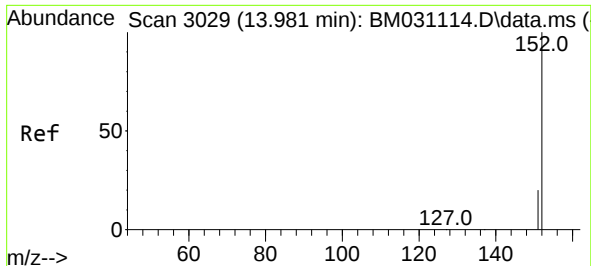
Tgt Ion:142 Resp: 3286  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.5 107.3



#8  
1-Methylnaphthalene  
Concen: 0.32 ng/ul  
RT: 12.286 min Scan# 2652  
Delta R.T. -0.009 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

Tgt Ion:142 Resp: 3083  
Ion Ratio Lower Upper  
142 100  
141 93.7 74.2 111.4

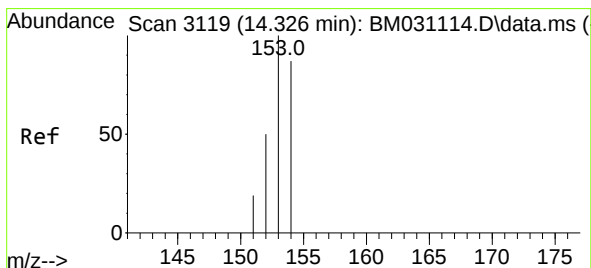
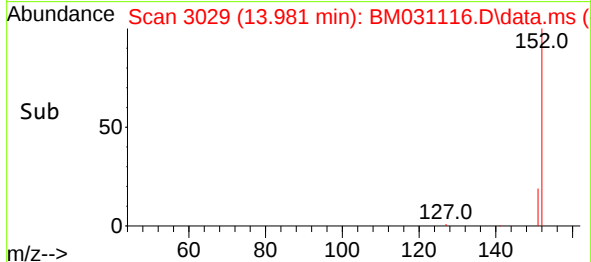
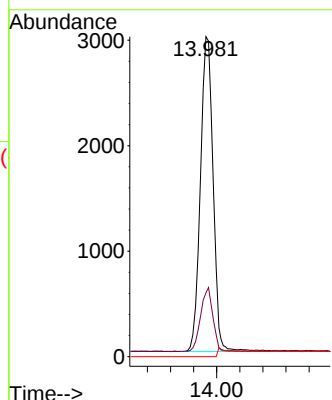
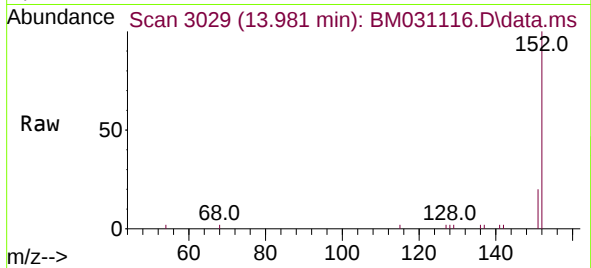




#10  
Acenaphthylene  
Concen: 0.34 ng/ul  
RT: 13.981 min Scan# 3029  
Delta R.T. -0.009 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

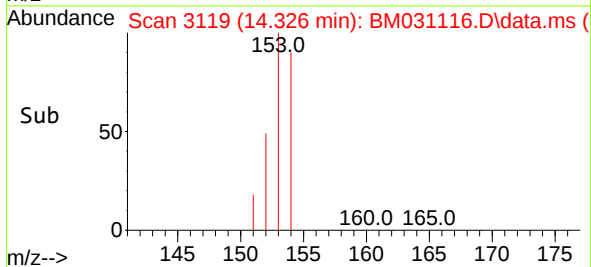
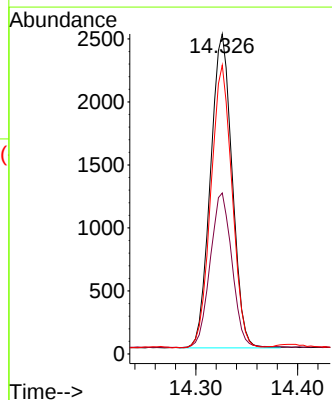
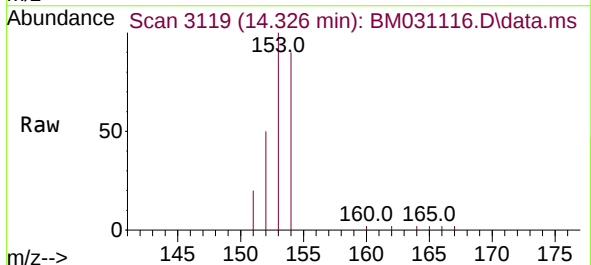
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BNA\_M  
ClientSampleId :  
SLCS709

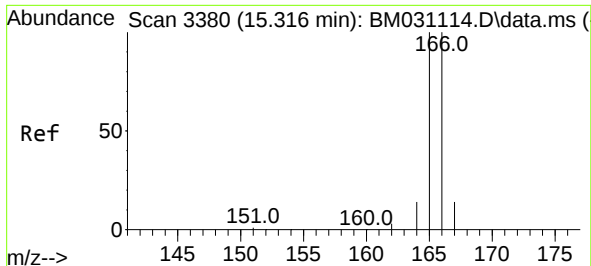
|             |             |
|-------------|-------------|
| Tgt Ion:152 | Resp: 4137  |
| Ion Ratio   | Lower Upper |
| 152 100     |             |
| 151 20.0    | 17.5 26.3   |
| 153 0.0     | 0.0 0.0     |



#11  
Acenaphthene  
Concen: 0.34 ng/ul  
RT: 14.326 min Scan# 3119  
Delta R.T. -0.004 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

|             |             |
|-------------|-------------|
| Tgt Ion:153 | Resp: 3692  |
| Ion Ratio   | Lower Upper |
| 153 100     |             |
| 152 50.3    | 39.4 59.2   |
| 154 90.2    | 68.2 102.4  |

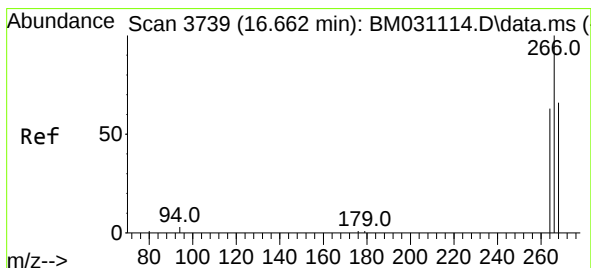
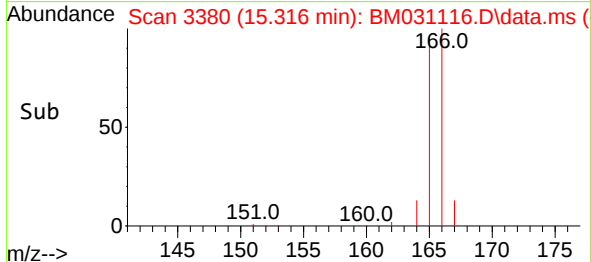
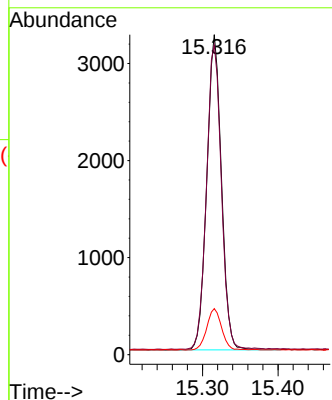
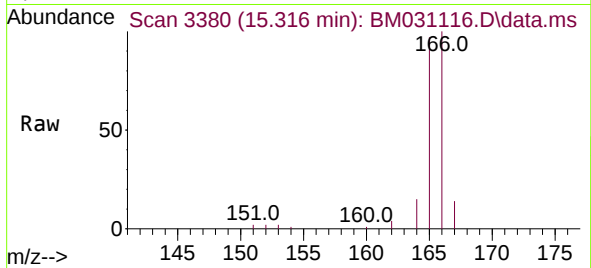




#12  
Fluorene  
Concen: 0.34 ng/ul  
RT: 15.316 min Scan# 3380  
Delta R.T. -0.004 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

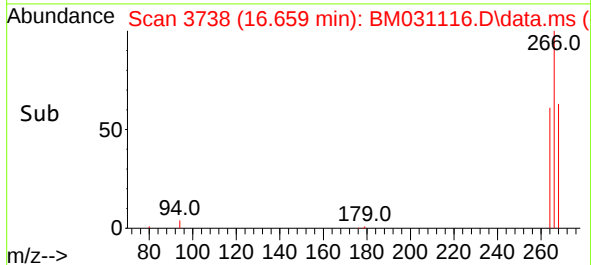
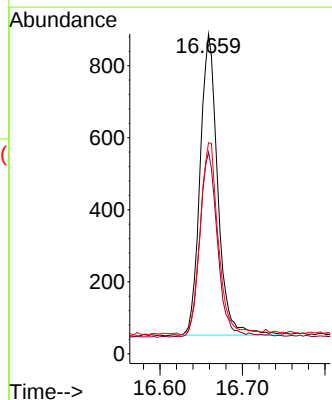
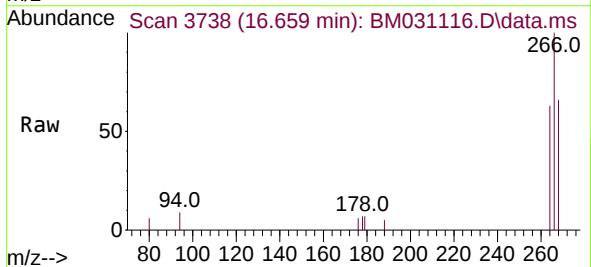
Instrument :  
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SLCS709

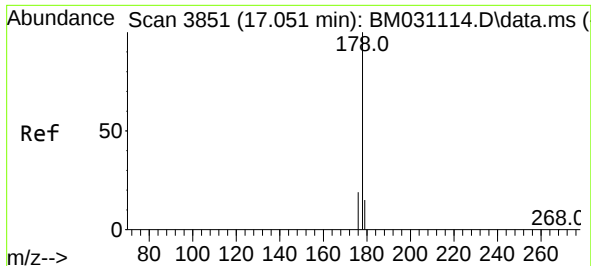
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|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 4354  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 96.8  | 78.2  | 117.2 |
| 167       | 14.4  | 12.3  | 18.5  |



#14  
Pentachlorophenol  
Concen: 0.55 ng/ul  
RT: 16.659 min Scan# 3738  
Delta R.T. -0.003 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1239 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.7  | 50.9  | 76.3 |
| 268       | 65.5  | 51.2  | 76.8 |

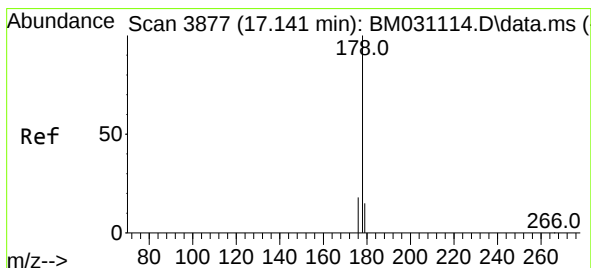
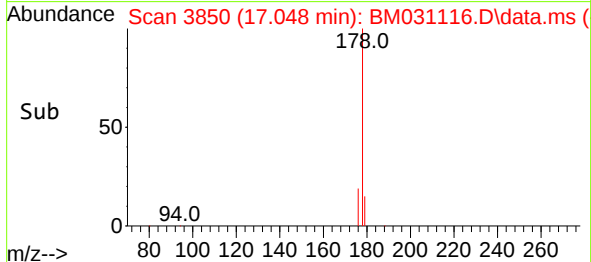
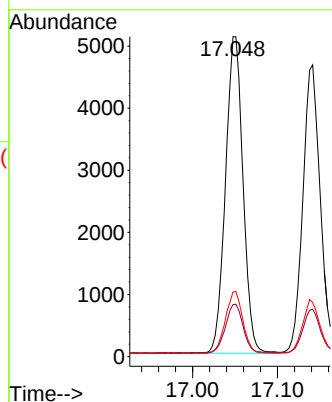
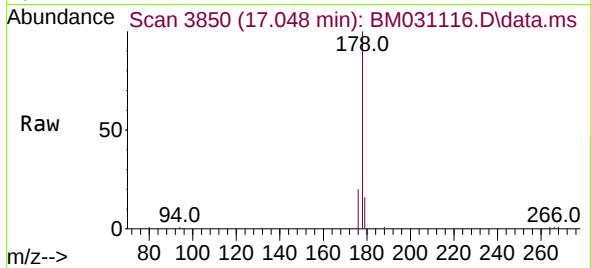




#15  
Phenanthrene  
Concen: 0.35 ng/ul  
RT: 17.048 min Scan# 3850  
Delta R.T. -0.007 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

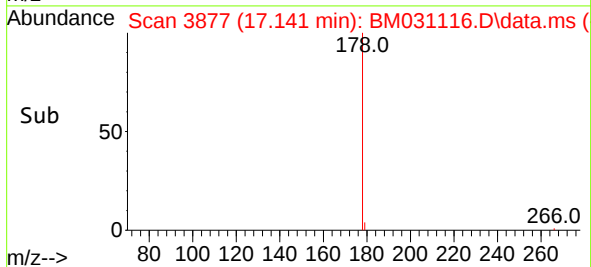
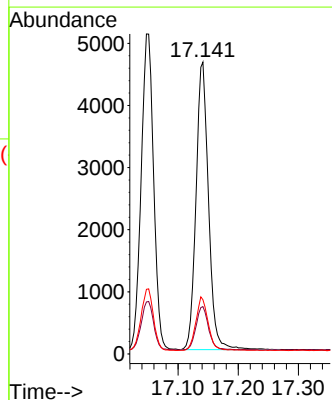
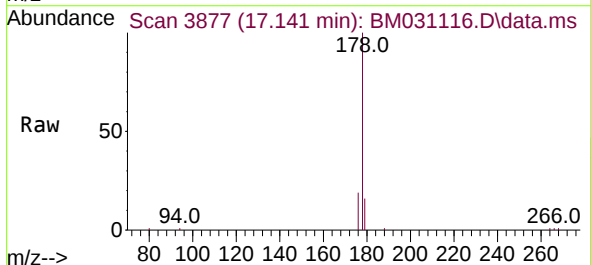
Instrument :  
BNA\_M  
ClientSampleId :  
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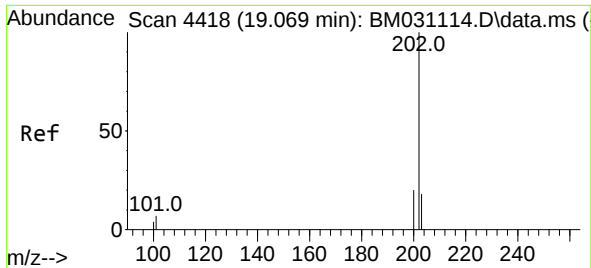
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Ion Ratio Lower Upper  
178 100  
179 16.3 13.3 19.9  
176 20.2 15.4 23.2



#16  
Anthracene  
Concen: 0.35 ng/ul  
RT: 17.141 min Scan# 3877  
Delta R.T. -0.003 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

Tgt Ion:178 Resp: 6708  
Ion Ratio Lower Upper  
178 100  
179 16.2 13.8 20.8  
176 18.6 15.7 23.5

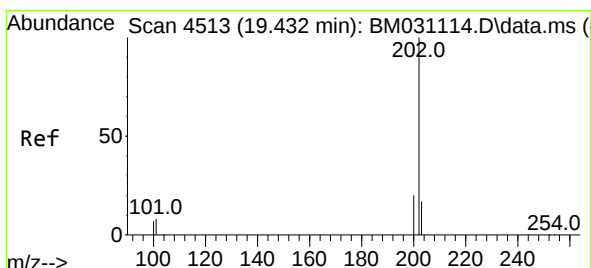
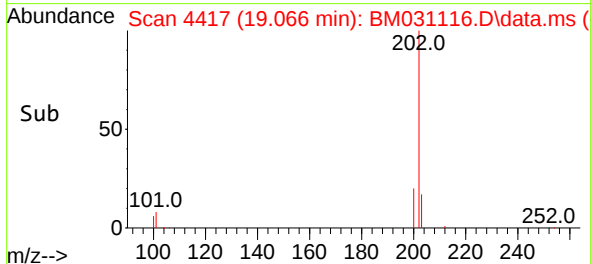
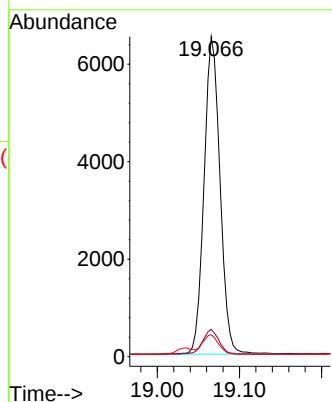
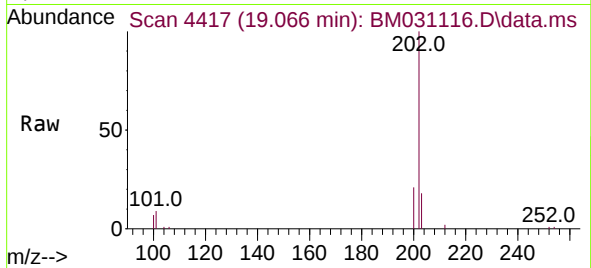




#19  
Fluoranthene  
Concen: 0.40 ng/ul  
RT: 19.066 min Scan# 4417  
Delta R.T. -0.004 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

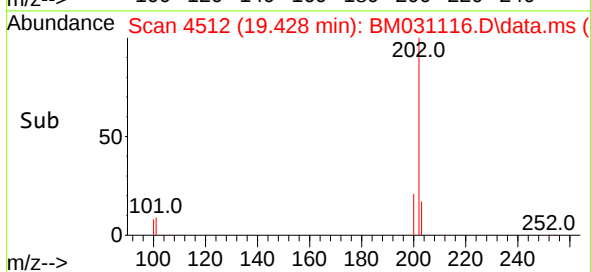
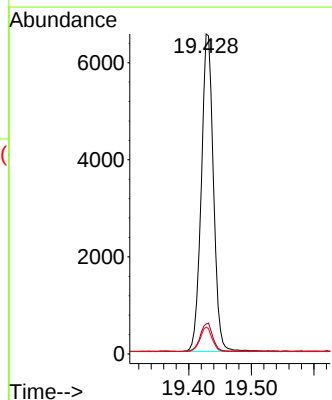
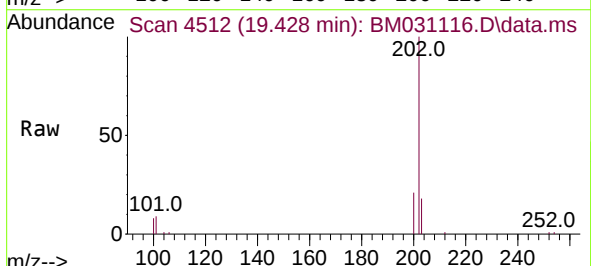
Instrument :  
BNA\_M  
ClientSampled :  
SLCS709

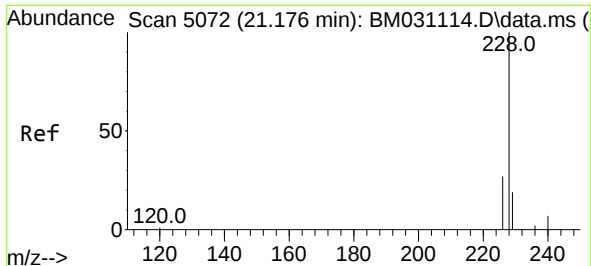
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|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8783 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 8.5   | 6.0   | 9.0  |
| 100       | 6.8   | 4.8   | 7.2  |



#20  
Pyrene  
Concen: 0.40 ng/ul  
RT: 19.428 min Scan# 4512  
Delta R.T. -0.008 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8830 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 9.4   | 7.4   | 11.0 |
| 100       | 8.4   | 6.0   | 9.0  |

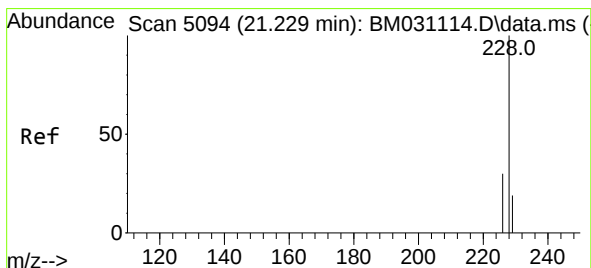
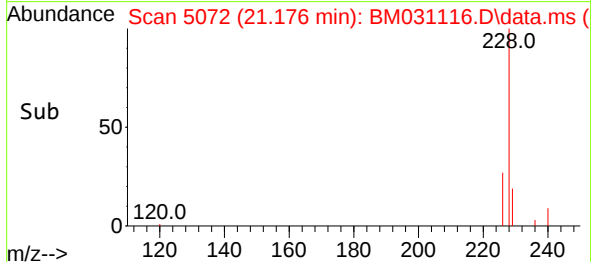
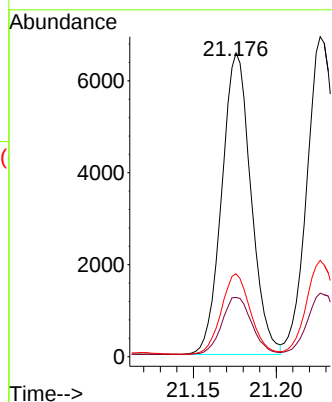
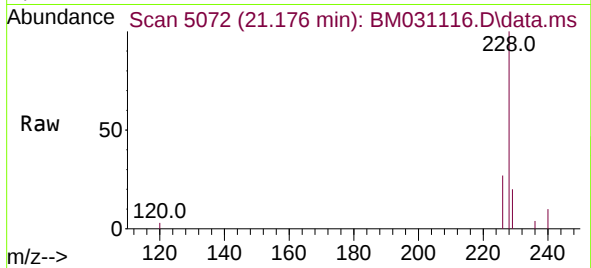




#21  
Benzo(a)anthracene  
Concen: 0.37 ng/ul  
RT: 21.176 min Scan# 5072  
Delta R.T. -0.007 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

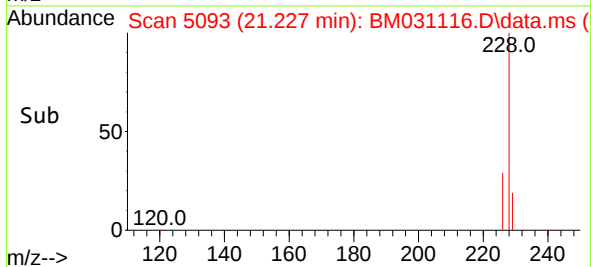
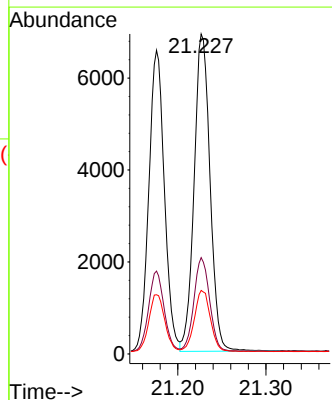
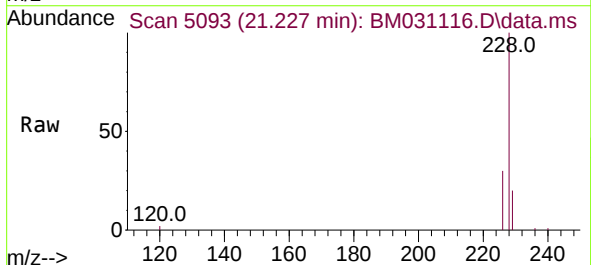
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS709

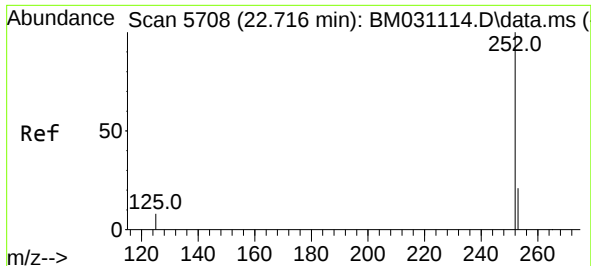
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 8036      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 19.5  | 16.0 24.0 |
| 226         | 27.3  | 21.4 32.2 |



#22  
Chrysene  
Concen: 0.37 ng/ul  
RT: 21.227 min Scan# 5093  
Delta R.T. -0.007 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 8657      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.1  | 24.5 36.7 |
| 229         | 19.9  | 15.8 23.8 |

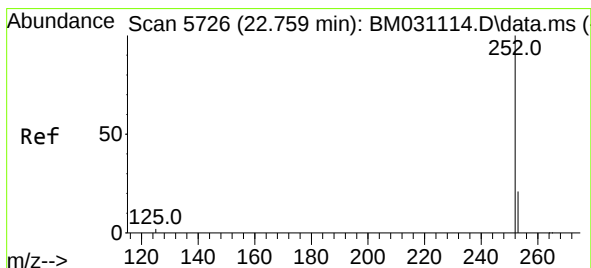
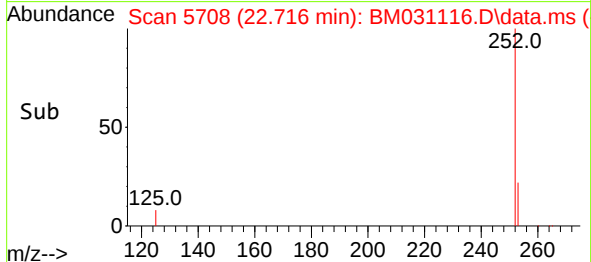
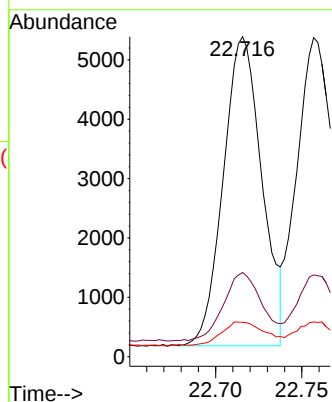
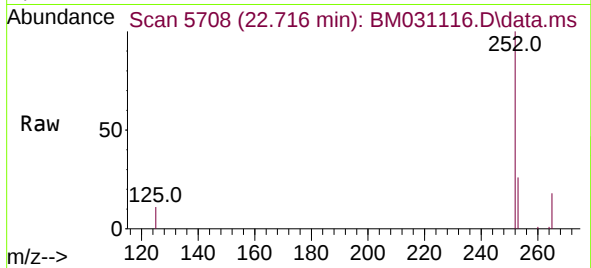




#24  
Benzo(b)fluoranthene  
Concen: 0.39 ng/ul  
RT: 22.716 min Scan# 5708  
Delta R.T. -0.010 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

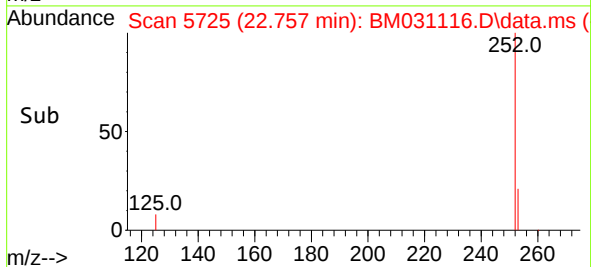
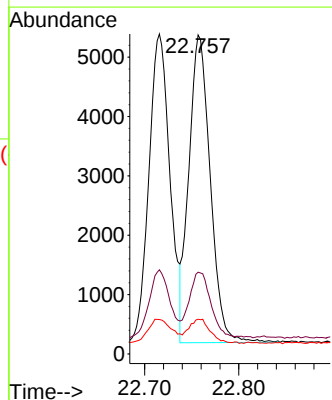
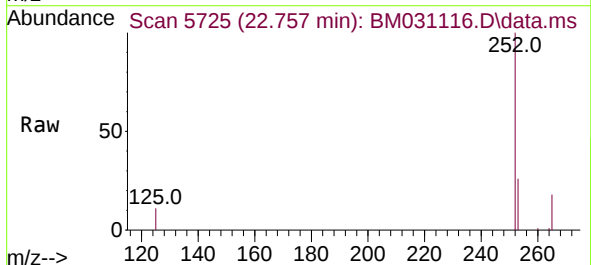
Instrument :  
BNA\_M  
ClientSampled :  
SLCS709

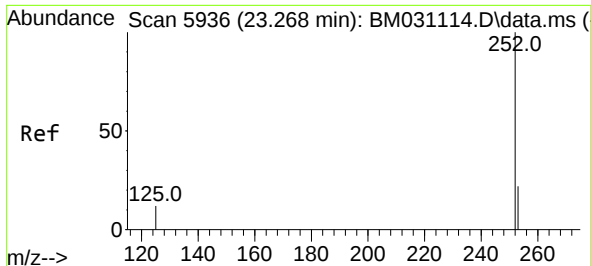
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 8108 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 26.3  | 0.0   | 52.8 |
| 125       | 10.7  | 0.0   | 20.2 |



#25  
Benzo(k)fluoranthene  
Concen: 0.39 ng/ul  
RT: 22.757 min Scan# 5725  
Delta R.T. -0.010 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 8184 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 25.6  | 21.6  | 32.4 |
| 125       | 10.9  | 8.6   | 13.0 |

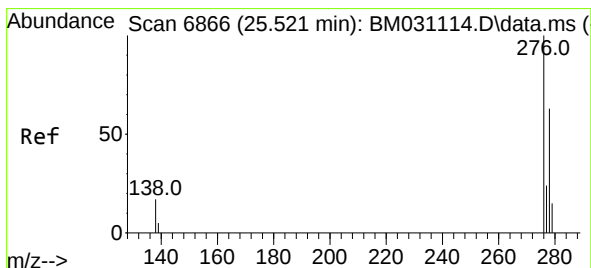
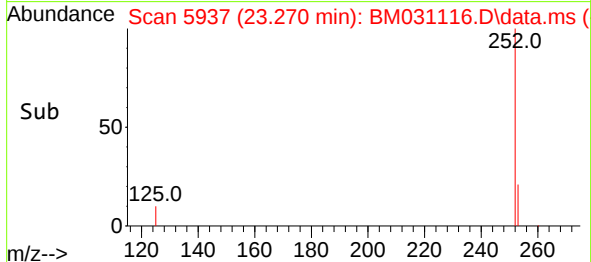
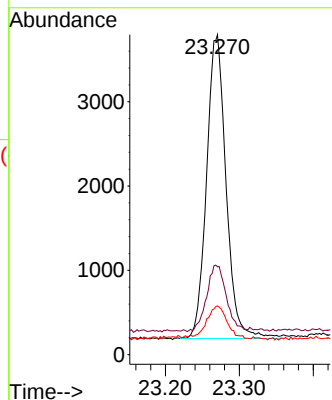
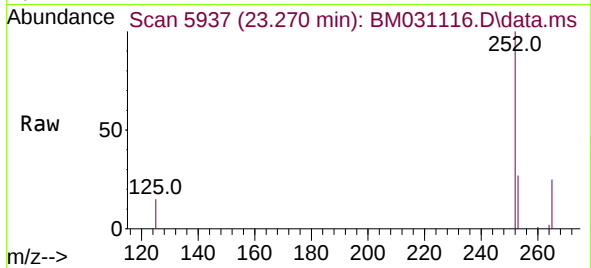




#26  
Benzo(a)pyrene  
Concen: 0.37 ng/ul  
RT: 23.270 min Scan# 5937  
Delta R.T. -0.010 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

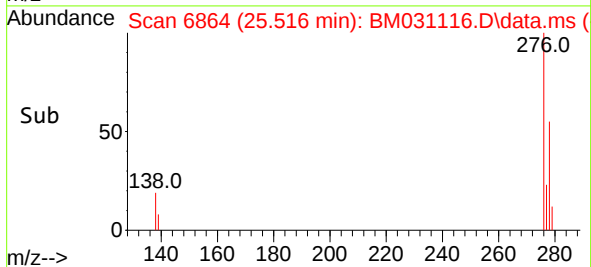
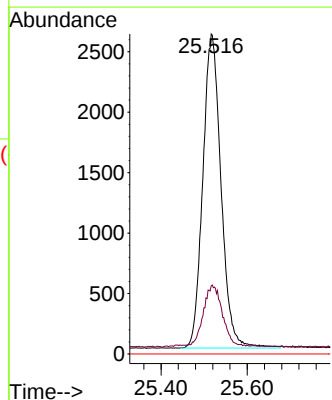
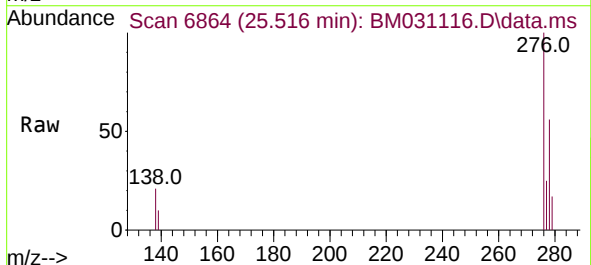
Instrument :  
BNA\_M  
ClientSampled :  
SLCS709

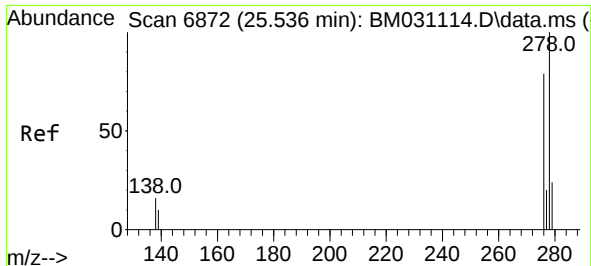
Tgt Ion:252 Resp: 6598  
Ion Ratio Lower Upper  
252 100  
253 27.5 23.1 34.7  
125 15.2 10.7 16.1



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.32 ng/ul  
RT: 25.516 min Scan# 6864  
Delta R.T. -0.017 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

Tgt Ion:276 Resp: 7610  
Ion Ratio Lower Upper  
276 100  
138 19.9 15.4 23.0  
227 0.0 0.0 0.0

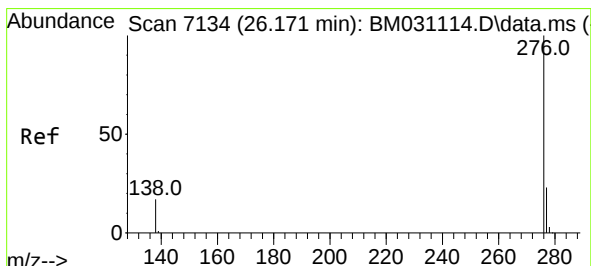
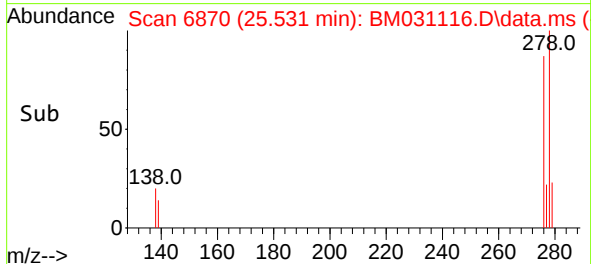
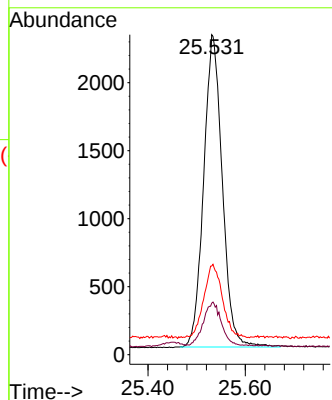
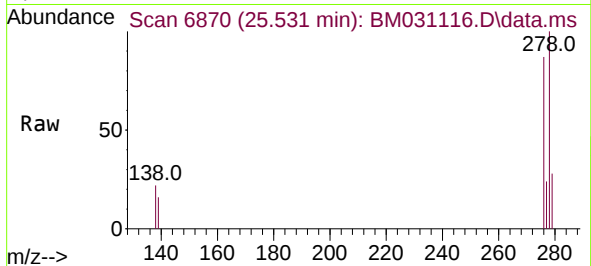




#28  
Dibenzo(a,h)anthracene  
Concen: 0.32 ng/ul  
RT: 25.531 min Scan# 6870  
Delta R.T. -0.015 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS709

Tgt Ion:278 Resp: 6097  
Ion Ratio Lower Upper  
278 100  
139 16.1 12.6 18.8  
279 27.7 22.6 34.0



#29  
Benzo(g,h,i)perylene  
Concen: 0.31 ng/ul  
RT: 26.173 min Scan# 7135  
Delta R.T. -0.019 min  
Lab File: BM031116.D  
Acq: 24 Jul 2021 12:13

Tgt Ion:276 Resp: 6284  
Ion Ratio Lower Upper  
276 100  
138 20.0 14.0 21.0  
277 25.3 19.9 29.9

