

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
 Data File : BM030620.D  
 Acq On : 26 Jun 2021 03:38  
 Operator : CG/JU  
 Sample : PB137215BS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS215

Quant Time: Jun 26 05:08:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 26 03:50:10 2021  
 Response via : Initial Calibration

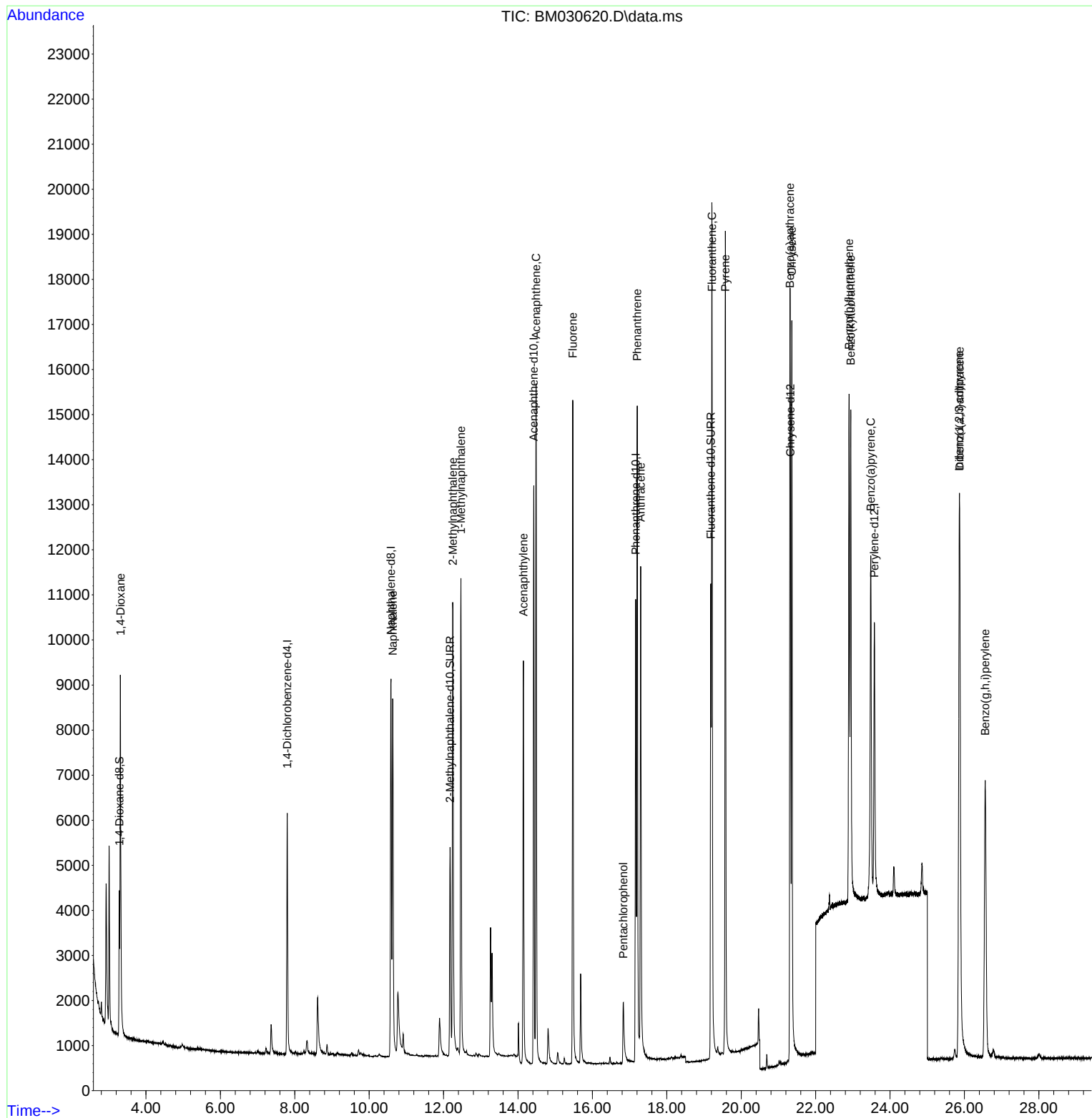
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.798  | 152  | 3085     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.586 | 136  | 12822    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.425 | 164  | 7566     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.162 | 188  | 13845    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.326 | 240  | 8835     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.578 | 264  | 8506     | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.282  | 96   | 2129     | 0.645 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.173 | 152  | 7386     | 0.360 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.184 | 212  | 12888    | 0.476 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.314  | 88   | 5480     | 1.592 | ng/ul# | 83       |
| 5) Naphthalene              | 10.635 | 128  | 12271    | 0.322 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.250 | 142  | 8771     | 0.341 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.466 | 142  | 8014     | 0.320 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.144 | 152  | 11355    | 0.321 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.485 | 153  | 9305     | 0.323 | ng/ul  | 99       |
| 12) Fluorene                | 15.475 | 166  | 10493    | 0.328 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.829 | 266  | 1722     | 0.427 | ng/ul  | 94       |
| 15) Phenanthrene            | 17.204 | 178  | 16640    | 0.338 | ng/ul  | 99       |
| 16) Anthracene              | 17.297 | 178  | 14151    | 0.328 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.214 | 202  | 18479    | 0.455 | ng/ul  | 98       |
| 20) Pyrene                  | 19.573 | 202  | 17721    | 0.426 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.309 | 228  | 13841    | 0.394 | ng/ul  | 99       |
| 22) Chrysene                | 21.360 | 228  | 15306    | 0.393 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.897 | 252  | 14942    | 0.404 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 22.943 | 252  | 15205    | 0.392 | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.484 | 252  | 12949    | 0.394 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.860 | 276  | 16541    | 0.396 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.873 | 278  | 13219    | 0.397 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.558 | 276  | 14286    | 0.396 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

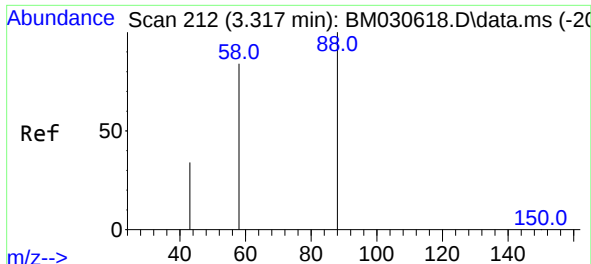
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
Data File : BM030620.D  
Acq On : 26 Jun 2021 03:38  
Operator : CG/JU  
Sample : PB137215BS  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Jun 26 05:08:22 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 26 03:50:10 2021  
Response via : Initial Calibration

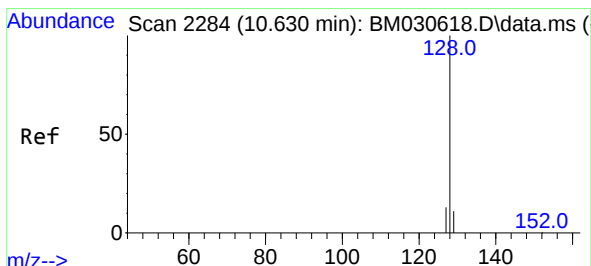
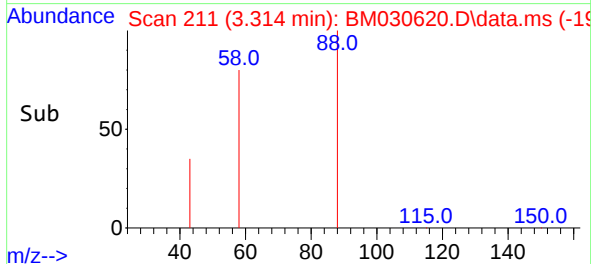
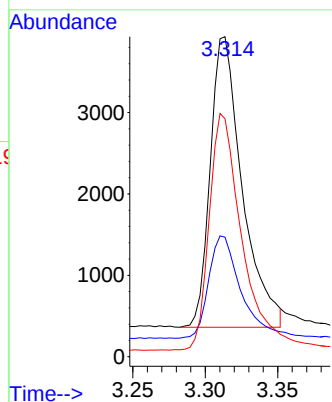
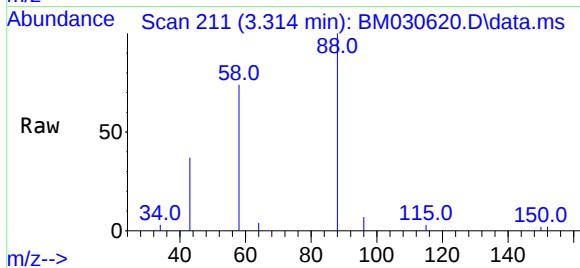




#2  
1,4-Dioxane  
Concen: 1.592 ng/ul  
RT: 3.314 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

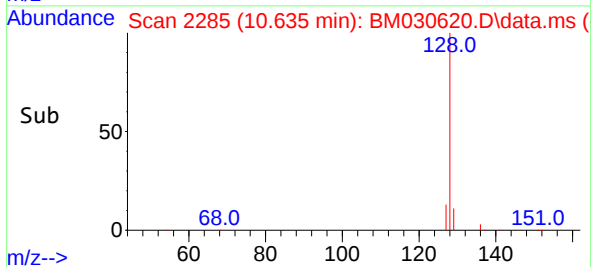
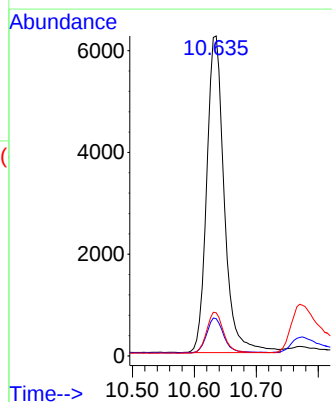
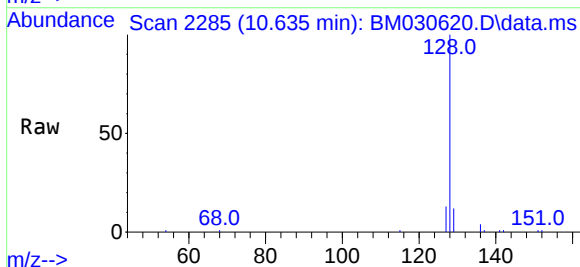
Instrument :  
BNA\_M  
ClientSampled :  
SLCS215

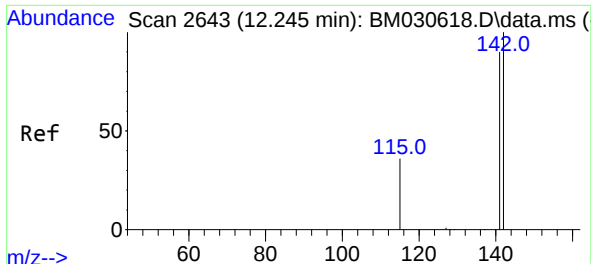
Tgt Ion: 88 Resp: 5480  
Ion Ratio Lower Upper  
88 100  
43 37.4 37.7 56.5#  
58 74.4 48.5 72.7#



#5  
Naphthalene  
Concen: 0.322 ng/ul  
RT: 10.635 min Scan# 2285  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

Tgt Ion: 128 Resp: 12271  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.6  
127 13.5 10.9 16.3

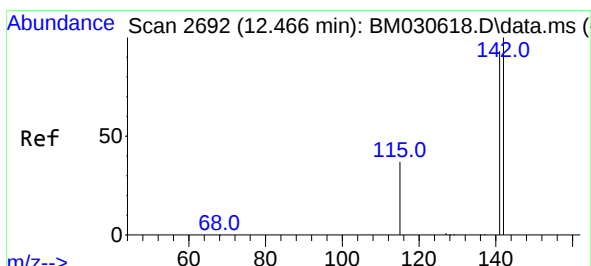
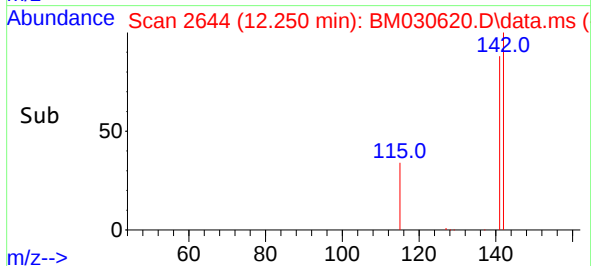
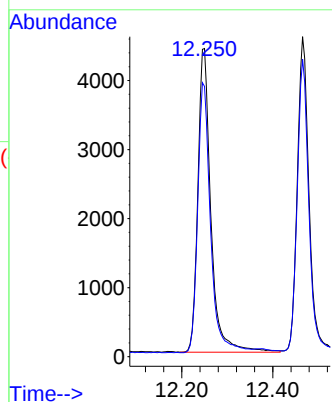
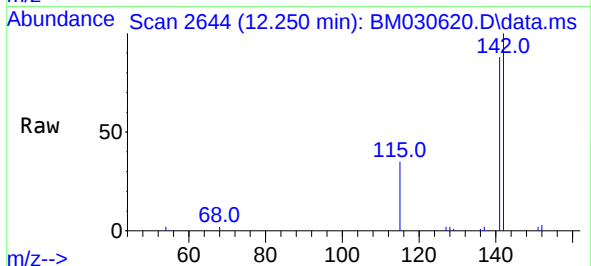




#7  
2-Methylnaphthalene  
Concen: 0.341 ng/ul  
RT: 12.250 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

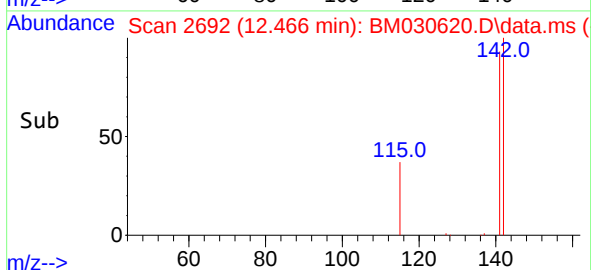
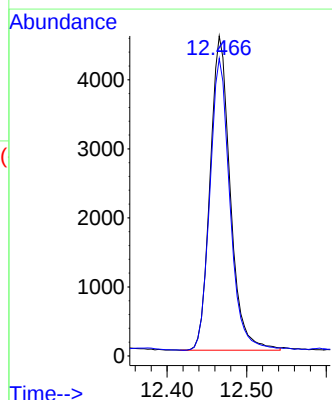
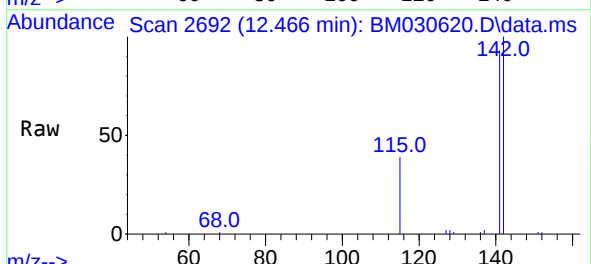
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS215

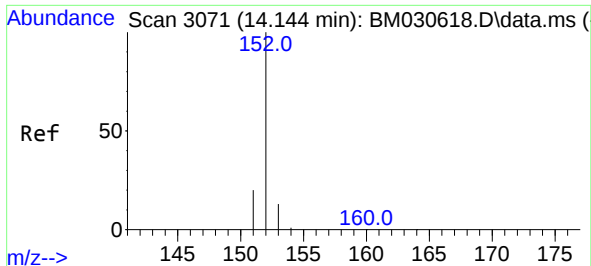
Tgt Ion:142 Resp: 8771  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.4 107.0



#8  
1-Methylnaphthalene  
Concen: 0.320 ng/ul  
RT: 12.466 min Scan# 2692  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

Tgt Ion:142 Resp: 8014  
Ion Ratio Lower Upper  
142 100  
141 92.5 73.4 110.0

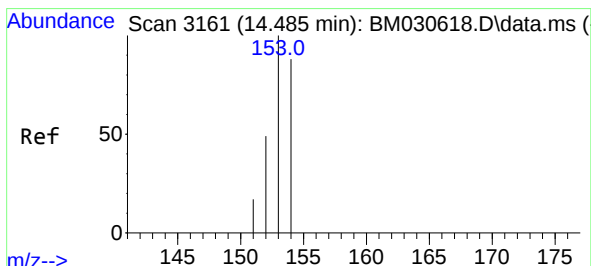
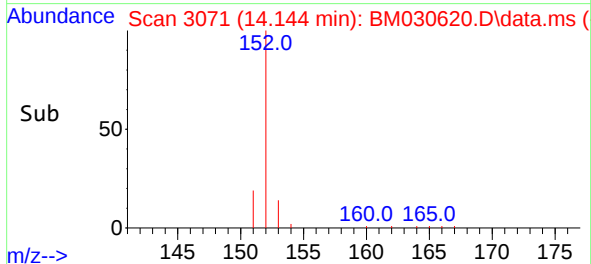
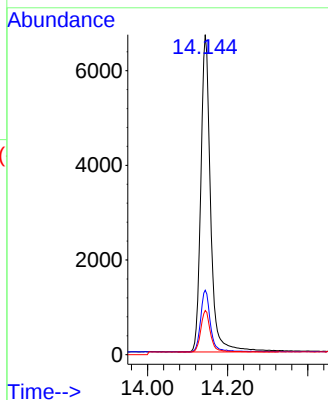
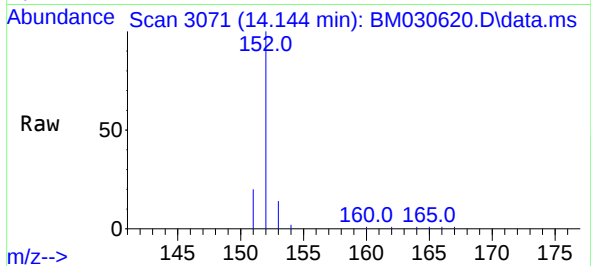




#10  
Acenaphthylene  
Concen: 0.321 ng/ul  
RT: 14.144 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

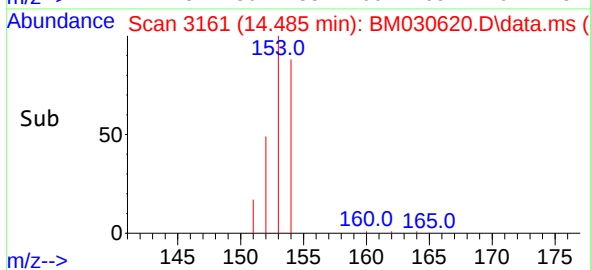
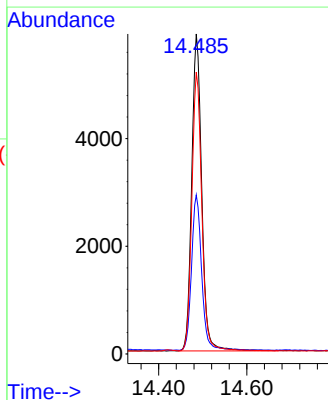
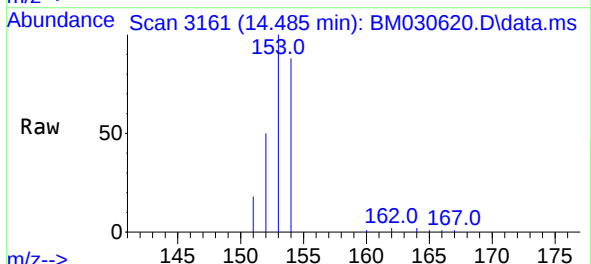
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS215

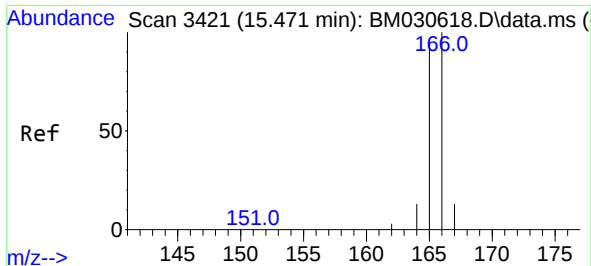
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 11355 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.2  | 15.5  | 23.3  |
| 153      | 13.8  | 10.7  | 16.1  |



#11  
Acenaphthene  
Concen: 0.323 ng/ul  
RT: 14.485 min Scan# 3161  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 9305  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 49.7  | 40.2  | 60.2  |
| 154      | 88.1  | 71.2  | 106.8 |



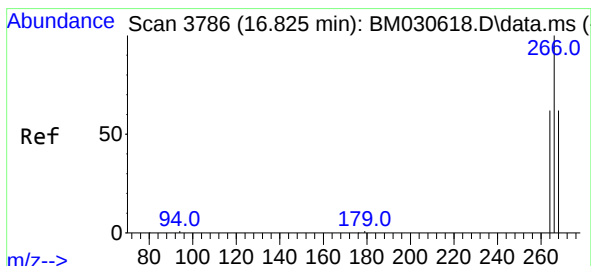
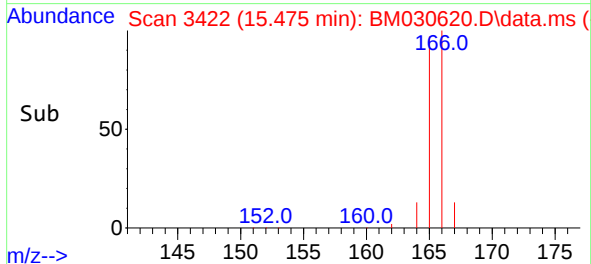
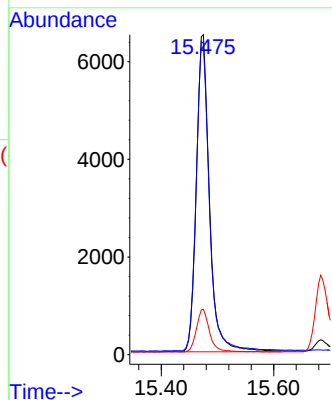
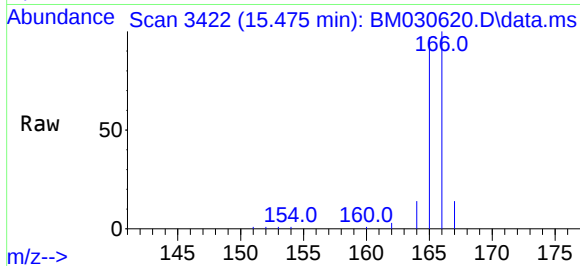


#12  
Fluorene  
Concen: 0.328 ng/ul  
RT: 15.475 min Scan# 3422  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS215

Tgt Ion:166 Resp: 10493

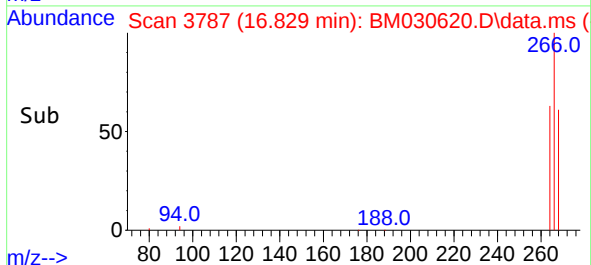
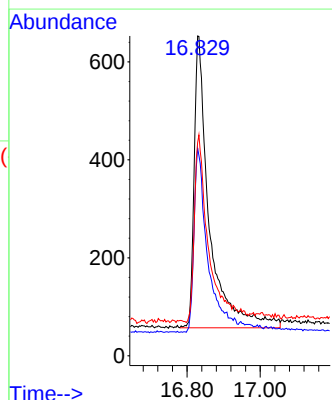
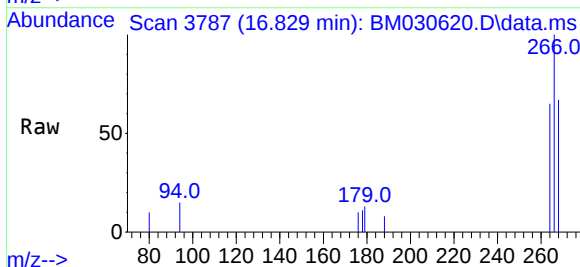
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.3  | 77.7  | 116.5 |
| 167 | 14.2  | 11.3  | 16.9  |

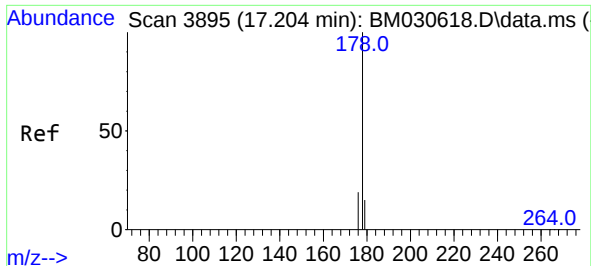


#14  
Pentachlorophenol  
Concen: 0.427 ng/ul  
RT: 16.829 min Scan# 3787  
Delta R.T. -0.010 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

Tgt Ion:266 Resp: 1722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 264 | 56.8  | 47.7  | 71.5  |
| 268 | 64.9  | 47.5  | 71.3  |

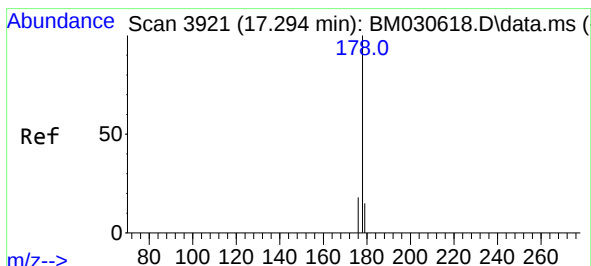
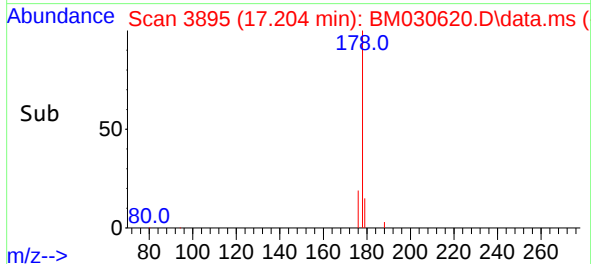
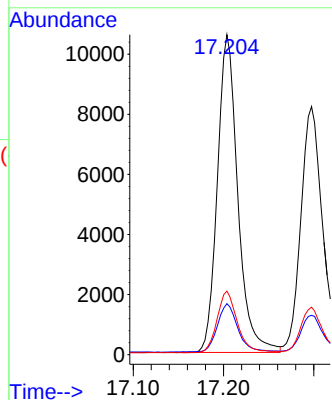
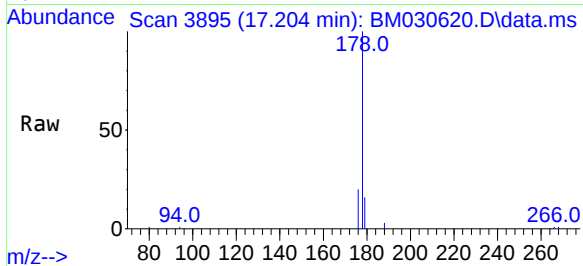




#15  
Phenanthrene  
Concen: 0.338 ng/ul  
RT: 17.204 min Scan# 3895  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

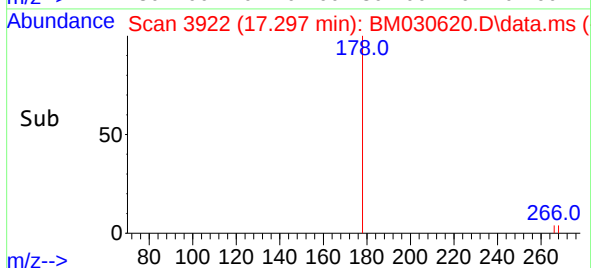
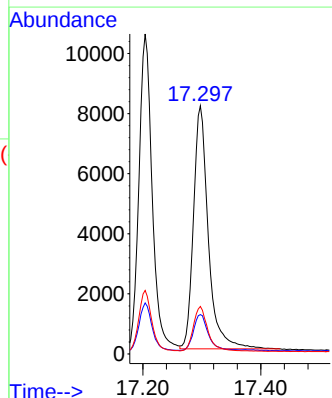
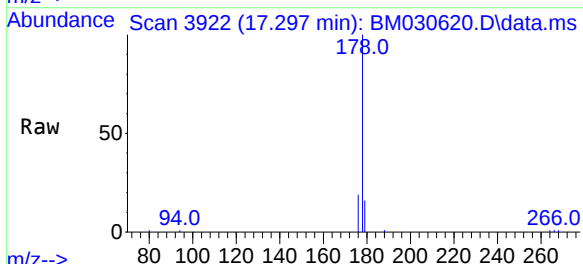
Instrument :  
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ClientSampleId :  
SLCS215

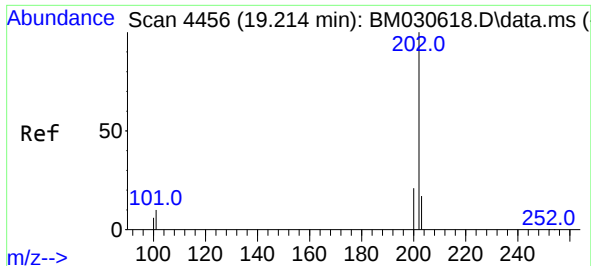
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| Tgt Ion:  | 178   | Resp: | 16640 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.0  | 12.6  | 19.0  |
| 176       | 19.9  | 15.5  | 23.3  |



#16  
Anthracene  
Concen: 0.328 ng/ul  
RT: 17.297 min Scan# 3922  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 14151 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.9  | 12.7  | 19.1  |
| 176       | 19.1  | 15.2  | 22.8  |

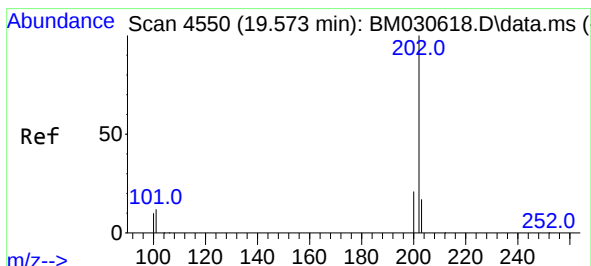
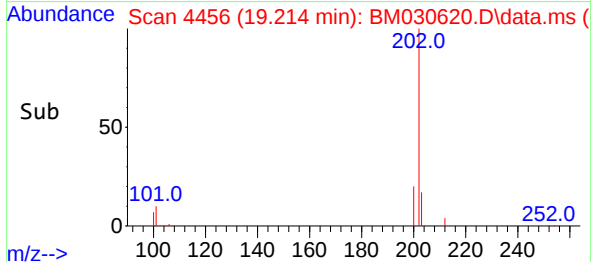
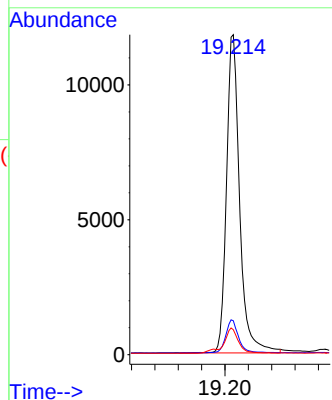
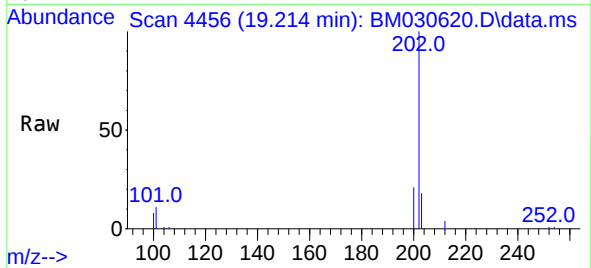




#19  
Fluoranthene  
Concen: 0.455 ng/u1  
RT: 19.214 min Scan# 4456  
Delta R.T. 0.000 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

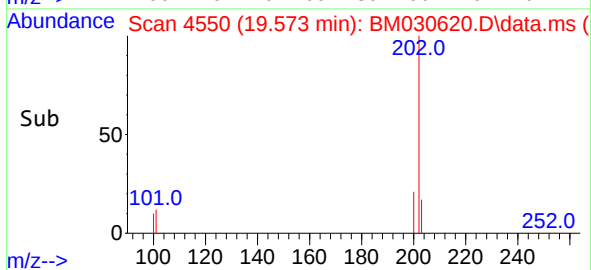
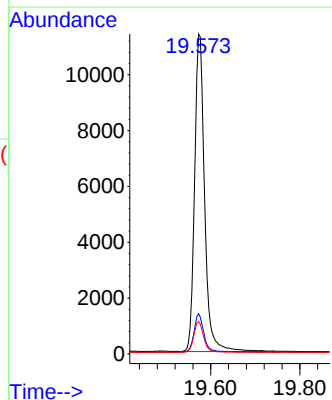
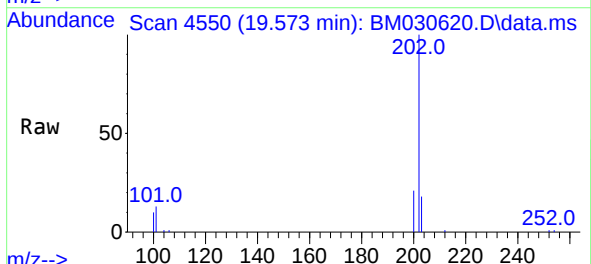
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS215

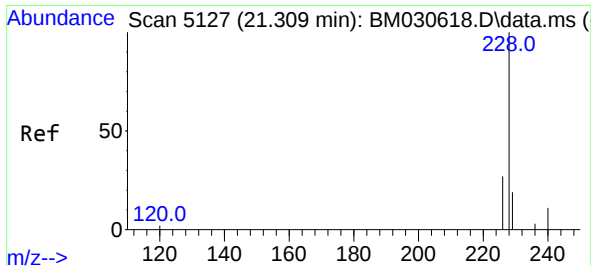
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|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 18479    |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 10.6  | 8.8 13.2 |
| 100         | 7.8   | 6.9 10.3 |



#20  
Pyrene  
Concen: 0.426 ng/u1  
RT: 19.573 min Scan# 4550  
Delta R.T. -0.004 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 17721     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 101         | 12.6  | 10.1 15.1 |
| 100         | 10.1  | 8.2 12.2  |

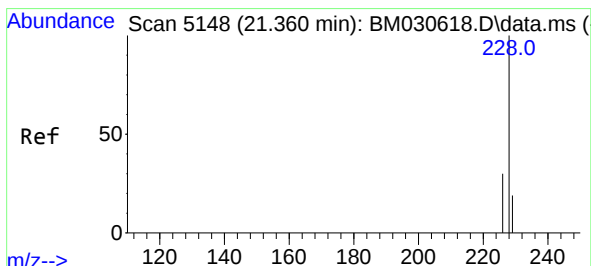
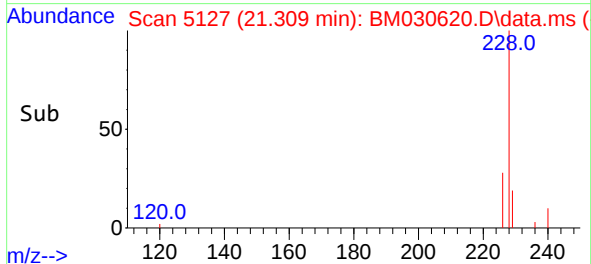
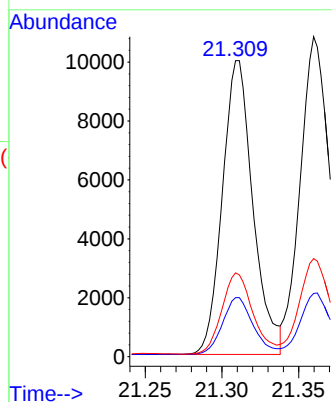
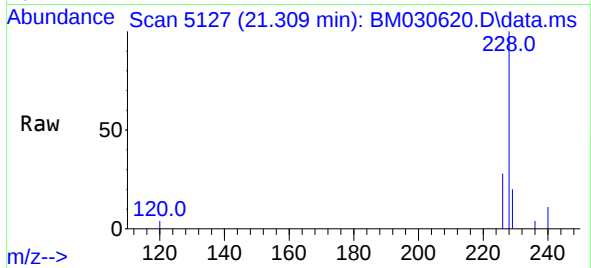




#21  
Benzo(a)anthracene  
Concen: 0.394 ng/ul  
RT: 21.309 min Scan# 5127  
Delta R.T. -0.005 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

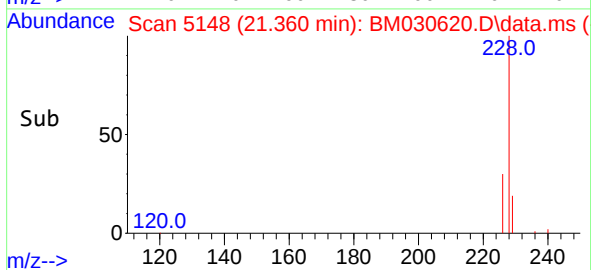
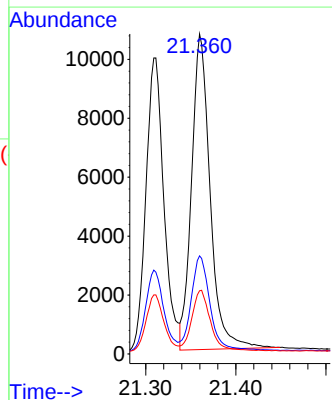
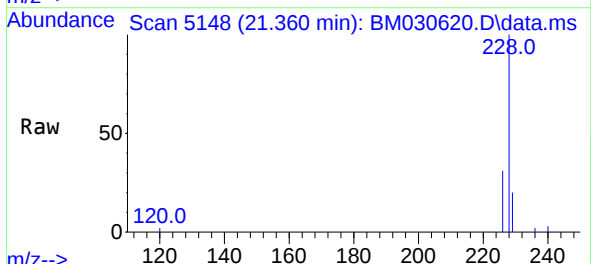
Instrument :  
BNA\_M  
ClientSampled :  
SLCS215

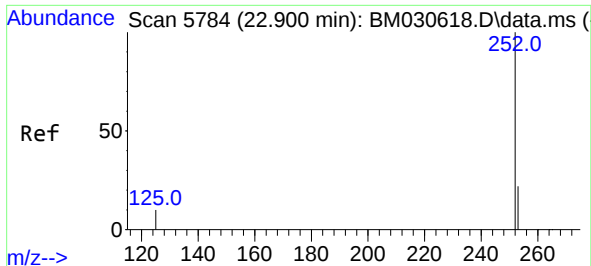
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 13841     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 20.0  | 15.8 23.6 |
| 226         | 28.3  | 22.2 33.4 |



#22  
Chrysene  
Concen: 0.393 ng/ul  
RT: 21.360 min Scan# 5148  
Delta R.T. -0.005 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 15306     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.7  | 24.4 36.6 |
| 229         | 19.8  | 15.4 23.0 |

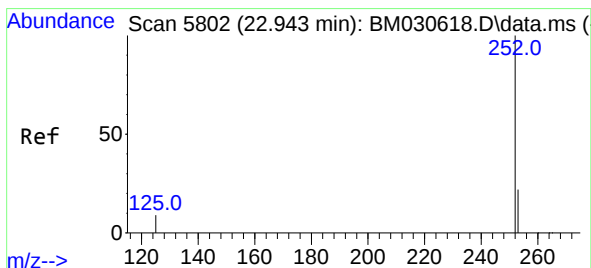
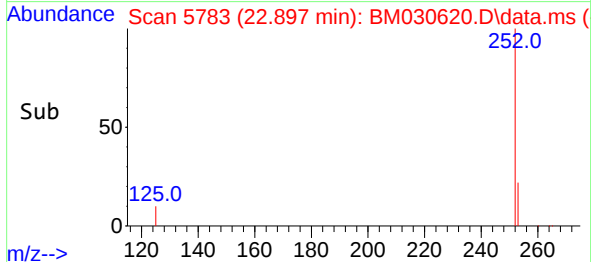
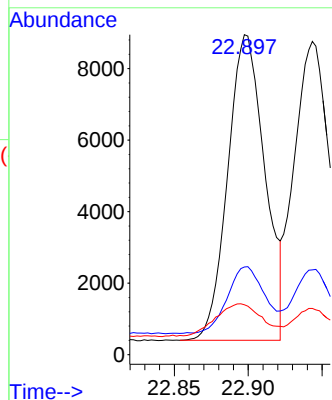
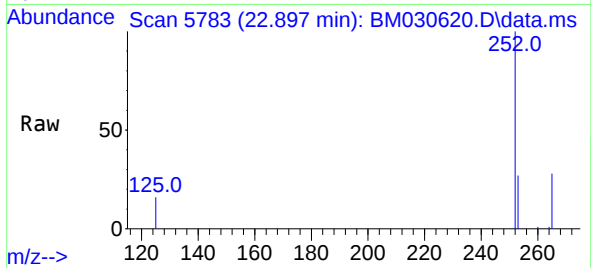




#24  
Benzo(b)fluoranthene  
Concen: 0.404 ng/ul  
RT: 22.897 min Scan# 5783  
Delta R.T. -0.010 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

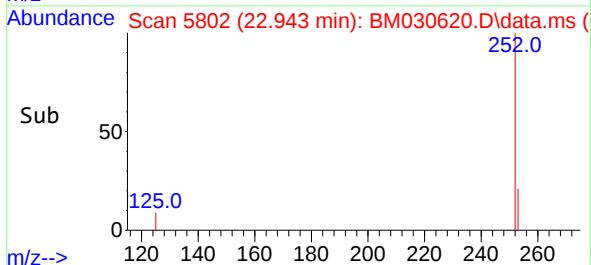
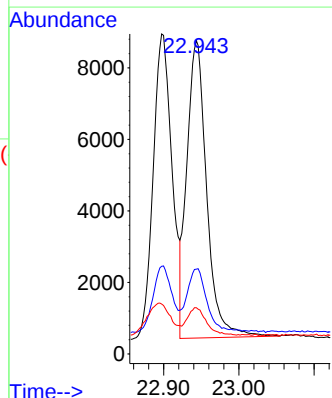
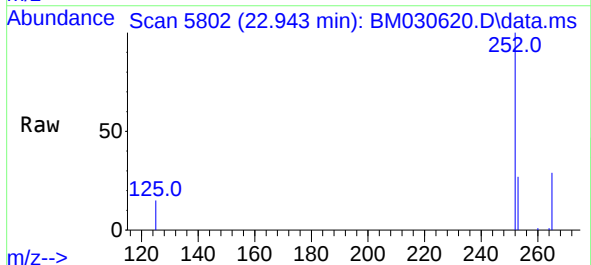
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS215

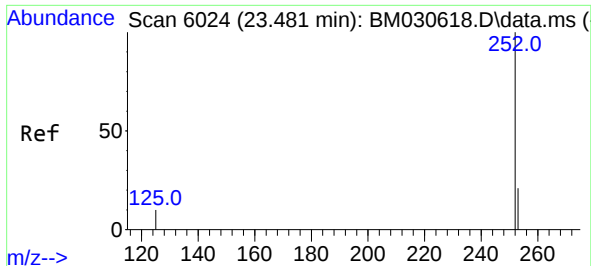
Tgt Ion:252 Resp: 14942  
Ion Ratio Lower Upper  
252 100  
253 27.4 0.0 50.2  
125 15.6 0.0 27.8



#25  
Benzo(k)fluoranthene  
Concen: 0.392 ng/ul  
RT: 22.943 min Scan# 5802  
Delta R.T. -0.010 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

Tgt Ion:252 Resp: 15205  
Ion Ratio Lower Upper  
252 100  
253 27.0 20.6 31.0  
125 14.8 11.0 16.4

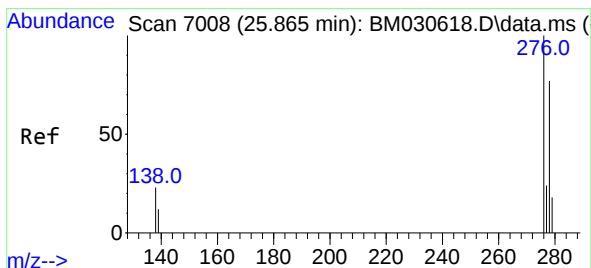
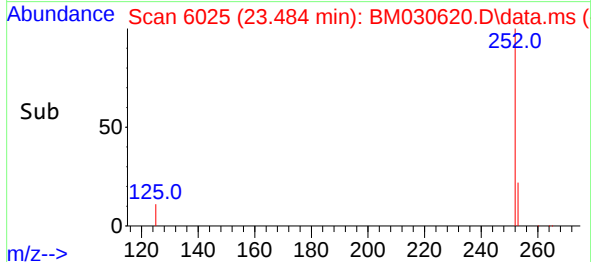
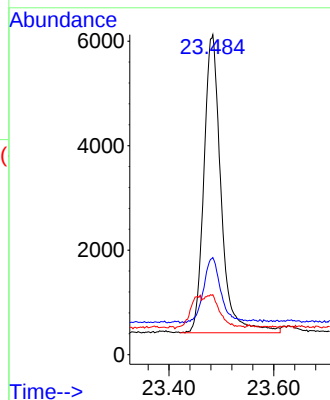
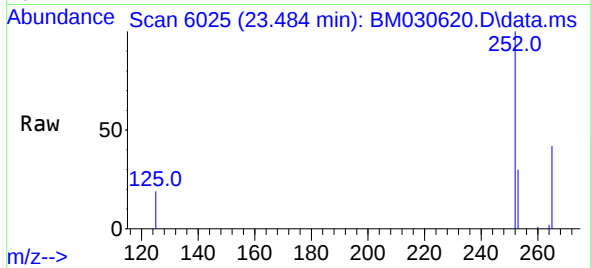




#26  
Benzo(a)pyrene  
Concen: 0.394 ng/ul  
RT: 23.484 min Scan# 6025  
Delta R.T. -0.005 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

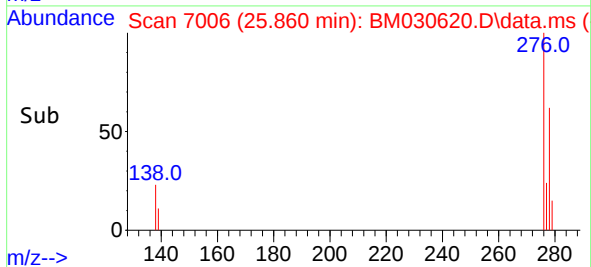
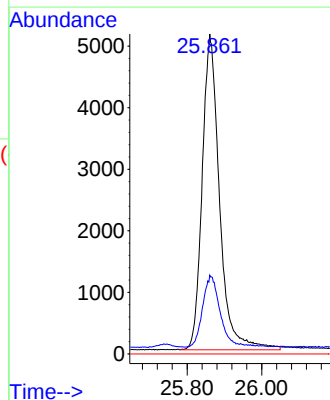
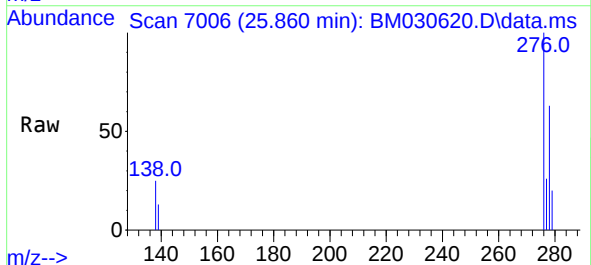
Instrument :  
BNA\_M  
ClientSampled :  
SLCS215

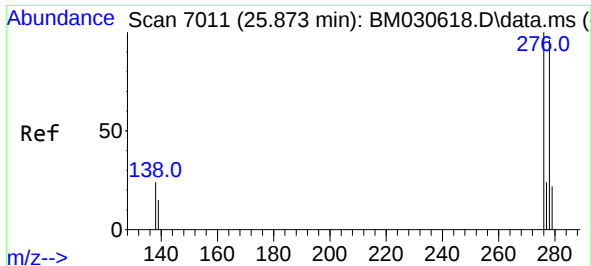
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12949 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 30.3  | 22.0  | 33.0  |
| 125       | 18.7  | 13.4  | 20.2  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.396 ng/ul  
RT: 25.860 min Scan# 7006  
Delta R.T. -0.012 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 16541 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.9  | 19.1  | 28.7  |
| 227       | 0.0   | 0.0   | 0.0   |

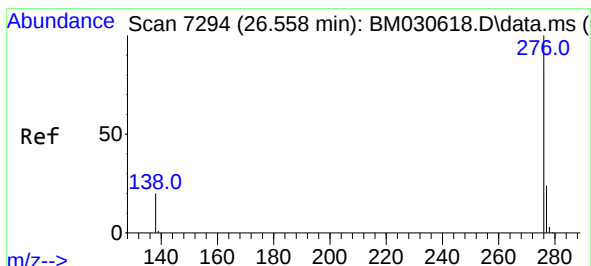
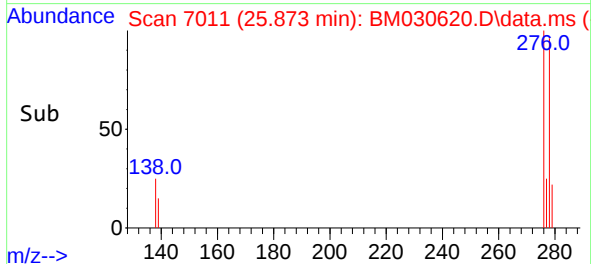
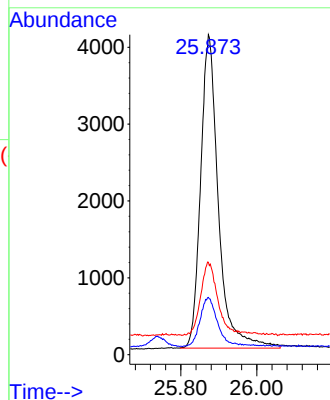
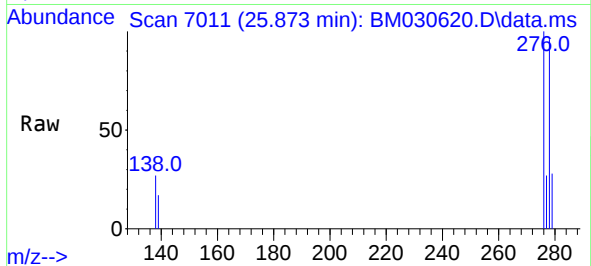




#28  
Dibenzo(a,h)anthracene  
Concen: 0.397 ng/ul  
RT: 25.873 min Scan# 7011  
Delta R.T. -0.014 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS215

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 13219 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 17.9  | 14.2  | 21.4  |
| 279       | 28.9  | 21.6  | 32.4  |



#29  
Benzo(g,h,i)perylene  
Concen: 0.396 ng/ul  
RT: 26.558 min Scan# 7294  
Delta R.T. -0.010 min  
Lab File: BM030620.D  
Acq: 26 Jun 2021 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 14286 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.4  | 18.0  | 27.0  |
| 277       | 25.3  | 19.5  | 29.3  |

