

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012623\  
 Data File : BM038561.D  
 Acq On : 26 Jan 2023 23:09  
 Operator : CG/JU  
 Sample : PB150406BS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS406

Quant Time: Jan 27 00:45:33 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 27 00:18:15 2023  
 Response via : Initial Calibration

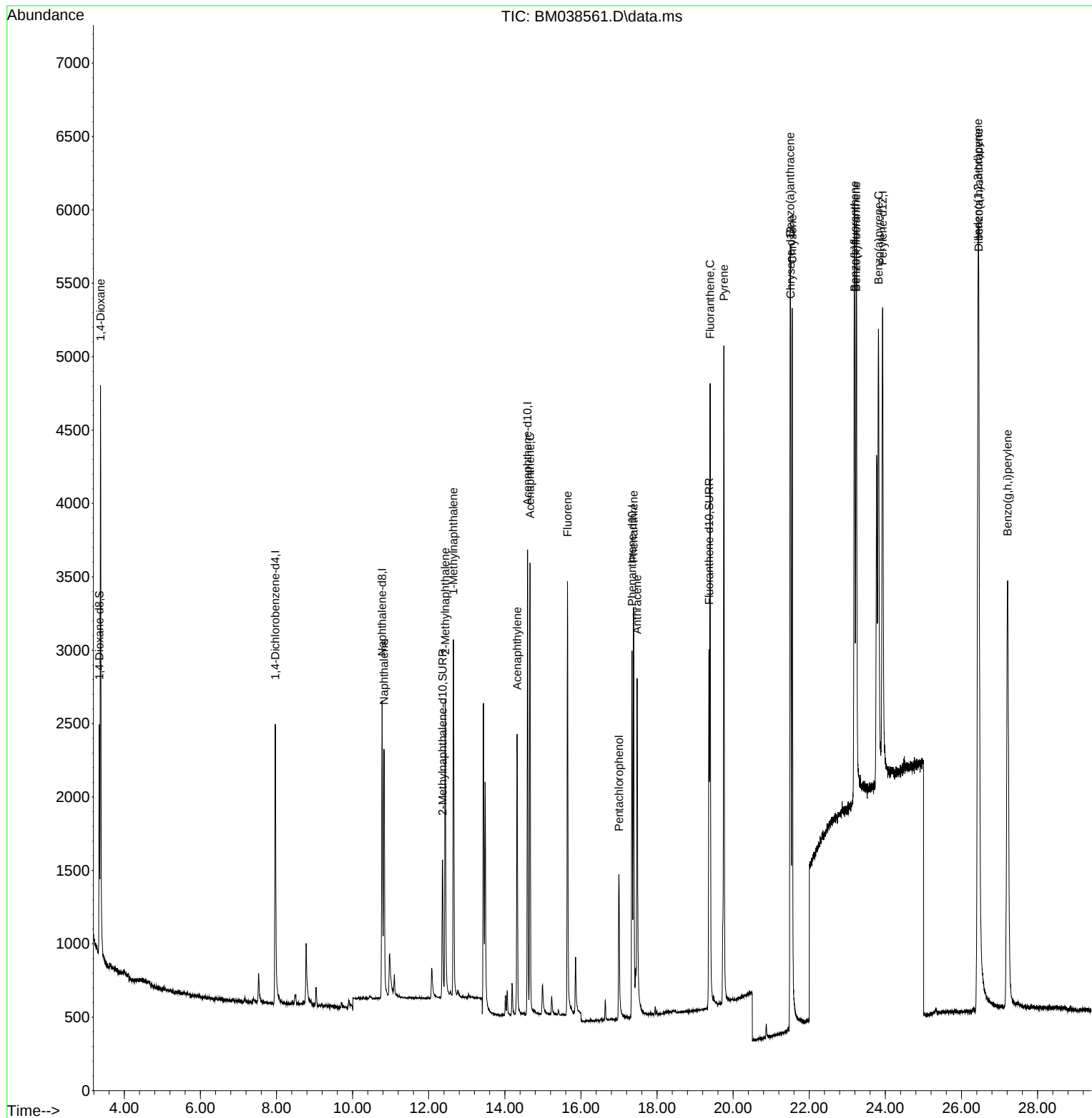
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.967  | 152  | 1214     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.774 | 136  | 2979     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.597 | 164  | 1705     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.341 | 188  | 3471     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.513 | 240  | 3594     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.927 | 264  | 4630     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.343  | 96   | 982      | 0.616 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.363 | 152  | 1443     | 0.312 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.366 | 212  | 3256     | 0.317 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.376  | 88   | 2545     | 1.573 | ng/ul# | 22       |
| 5) Naphthalene              | 10.823 | 128  | 2534     | 0.262 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.434 | 142  | 1545     | 0.302 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.649 | 142  | 1660     | 0.314 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.324 | 152  | 2369     | 0.315 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.661 | 153  | 1785     | 0.312 | ng/ul  | 99       |
| 12) Fluorene                | 15.647 | 166  | 2052     | 0.287 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.999 | 266  | 854      | 0.604 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.384 | 178  | 3191     | 0.284 | ng/ul  | 96       |
| 16) Anthracene              | 17.476 | 178  | 3004     | 0.314 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.394 | 202  | 4059     | 0.317 | ng/ul  | 99       |
| 20) Pyrene                  | 19.757 | 202  | 4352     | 0.316 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.498 | 228  | 4222     | 0.331 | ng/ul  | 99       |
| 22) Chrysene                | 21.551 | 228  | 4455     | 0.347 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.187 | 252  | 5859     | 0.336 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.237 | 252  | 5799     | 0.343 | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.819 | 252  | 5495     | 0.351 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.434 | 276  | 8759     | 0.398 | ng/ul# | 65       |
| 28) Dibenzo(a,h)anthracene  | 26.455 | 278  | 7002     | 0.400 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.213 | 276  | 7883     | 0.412 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

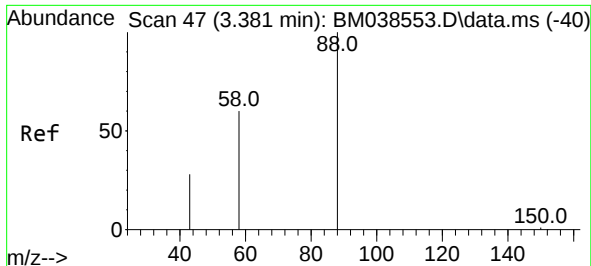
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012623\  
Data File : BM038561.D  
Acq On : 26 Jan 2023 23:09  
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Sample : PB150406BS  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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Quant Time: Jan 27 00:45:33 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 27 00:18:15 2023  
Response via : Initial Calibration

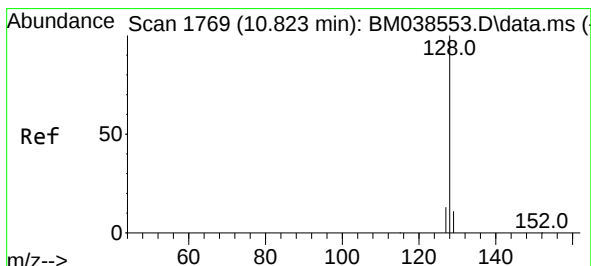
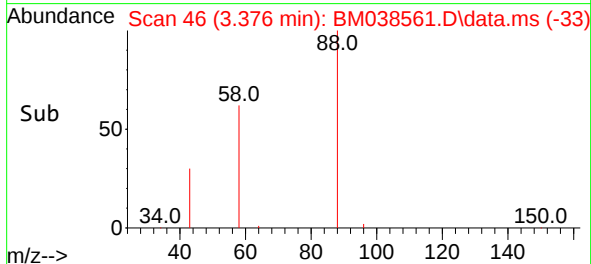
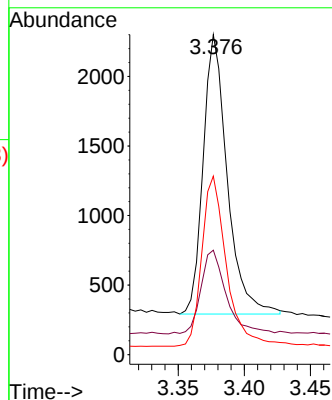
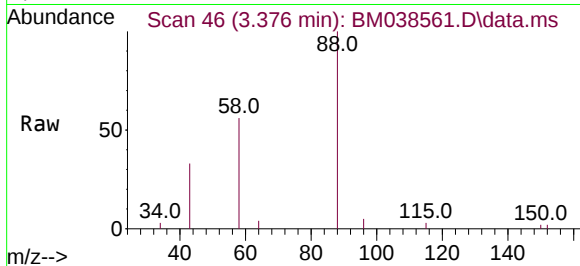




#2  
1,4-Dioxane  
Concen: 1.573 ng/ul  
RT: 3.376 min Scan# 46  
Delta R.T. -0.004 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

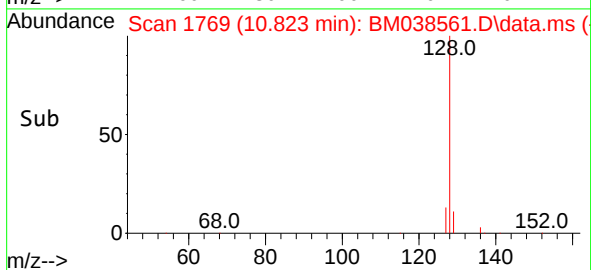
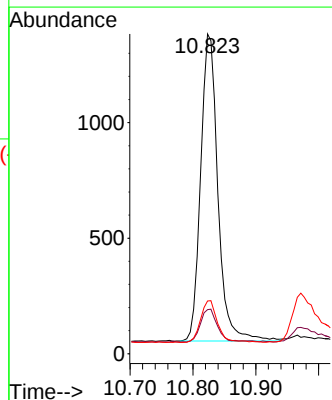
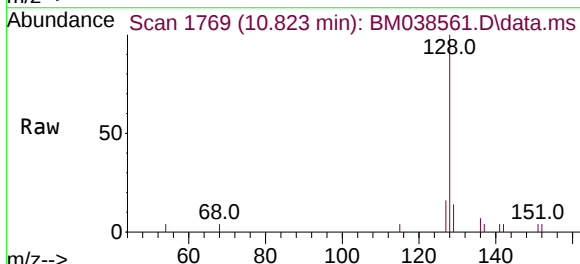
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BNA\_M  
ClientSampleId :  
SLCS406

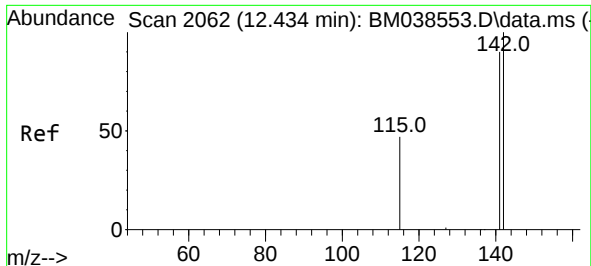
Tgt Ion: 88 Resp: 2545  
Ion Ratio Lower Upper  
88 100  
43 32.6 141.3 211.9#  
58 55.8 45.7 68.5



#5  
Naphthalene  
Concen: 0.262 ng/ul  
RT: 10.823 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion: 128 Resp: 2534  
Ion Ratio Lower Upper  
128 100  
129 13.8 10.3 15.5  
127 16.5 11.9 17.9

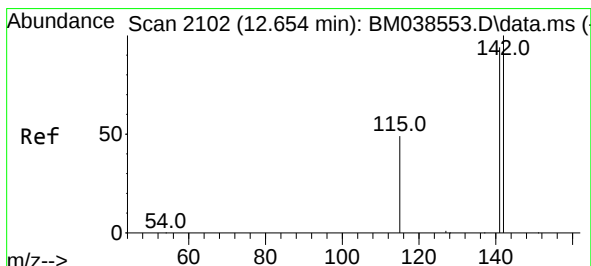
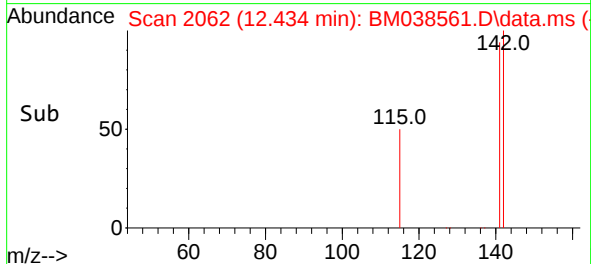
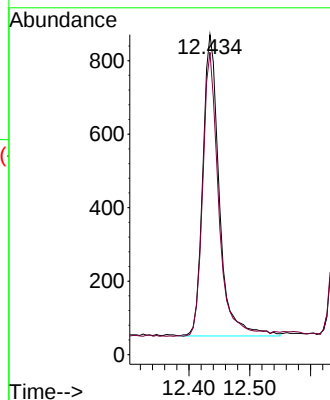
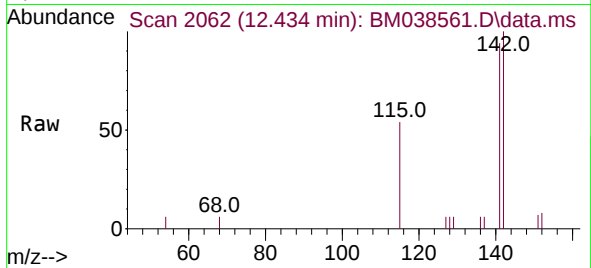




#7  
2-Methylnaphthalene  
Concen: 0.302 ng/ul  
RT: 12.434 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

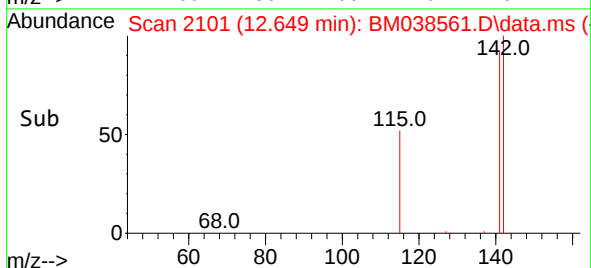
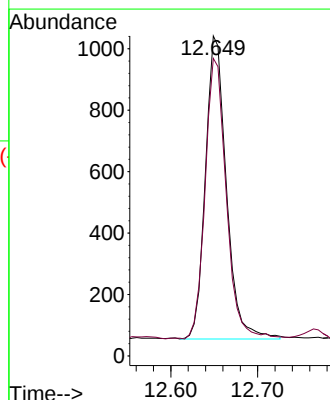
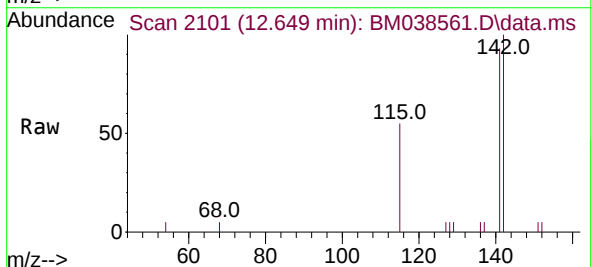
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ClientSampleId :  
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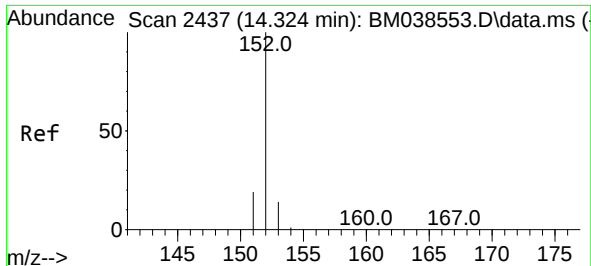
Tgt Ion:142 Resp: 1545  
Ion Ratio Lower Upper  
142 100  
141 93.9 73.7 110.5



#8  
1-Methylnaphthalene  
Concen: 0.314 ng/ul  
RT: 12.649 min Scan# 2101  
Delta R.T. -0.005 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion:142 Resp: 1660  
Ion Ratio Lower Upper  
142 100  
141 93.2 74.0 111.0

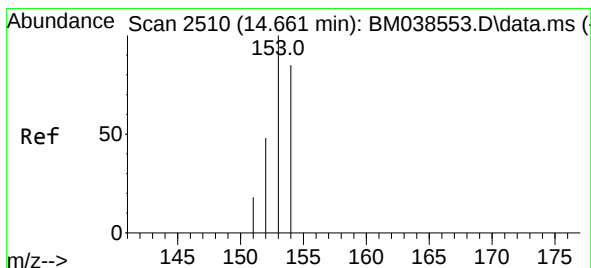
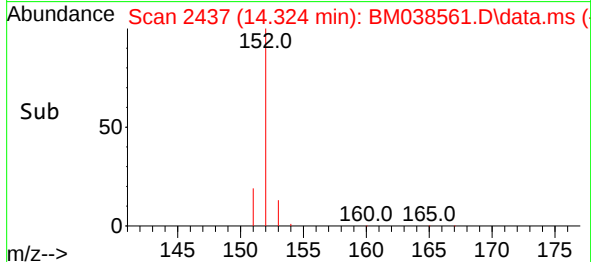
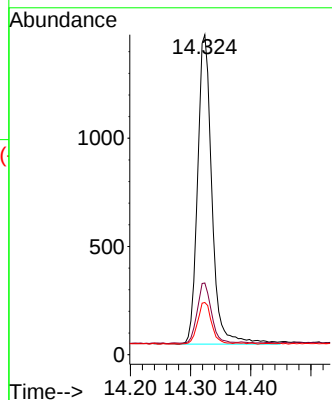
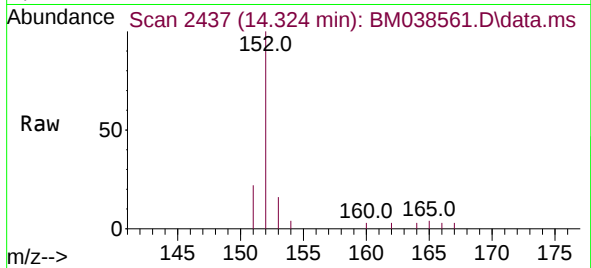




#10  
Acenaphthylene  
Concen: 0.315 ng/ul  
RT: 14.324 min Scan# 2437  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

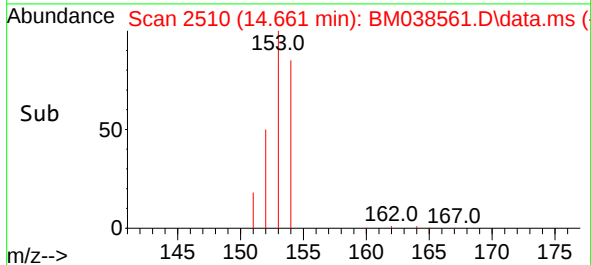
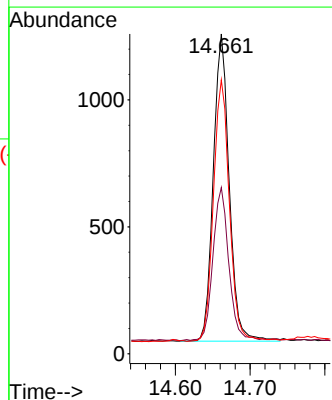
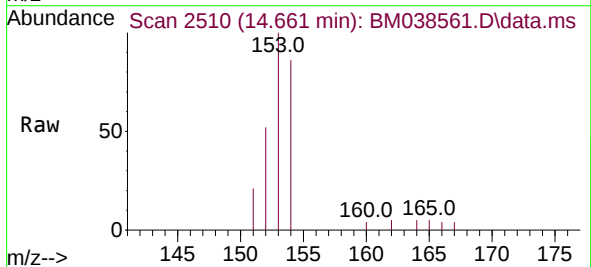
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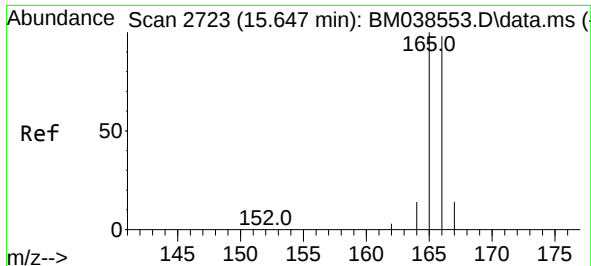
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 2369 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 22.4  | 16.3  | 24.5 |
| 153       | 16.3  | 11.8  | 17.6 |



#11  
Acenaphthene  
Concen: 0.312 ng/ul  
RT: 14.661 min Scan# 2510  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 1785  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 52.0  | 40.1  | 60.1  |
| 154       | 85.6  | 68.4  | 102.6 |

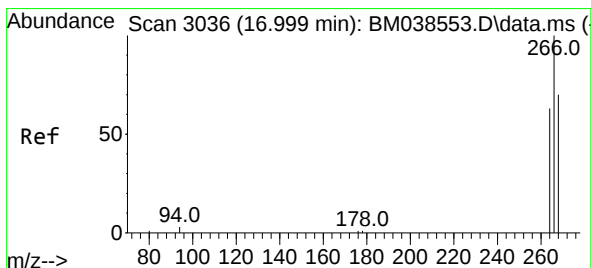
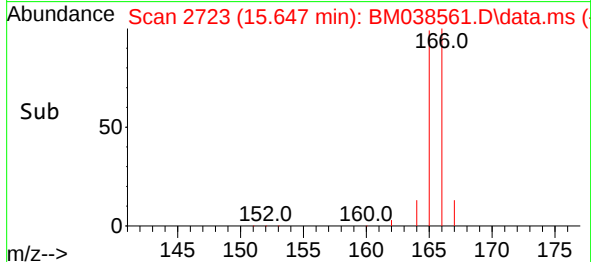
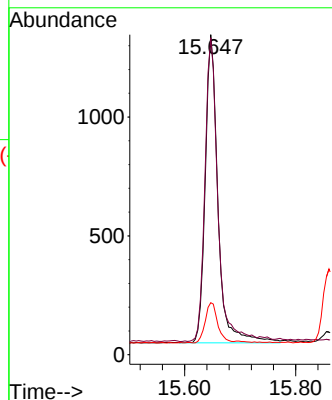
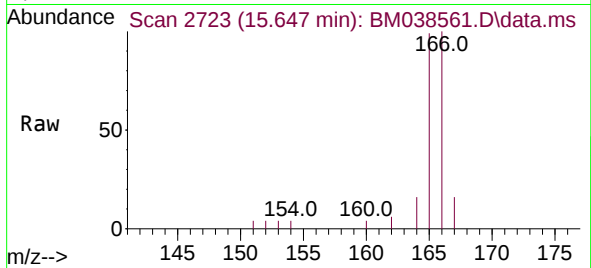




#12  
Fluorene  
Concen: 0.287 ng/ul  
RT: 15.647 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

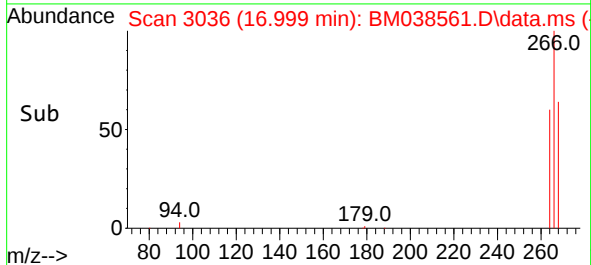
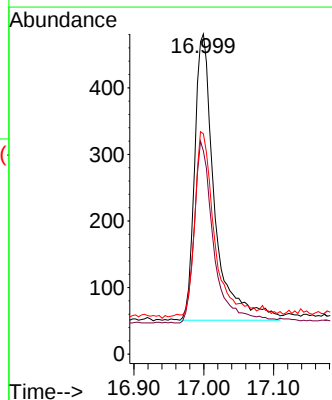
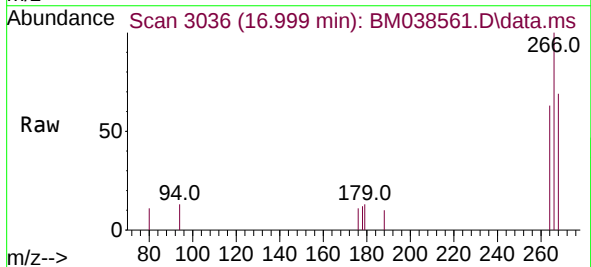
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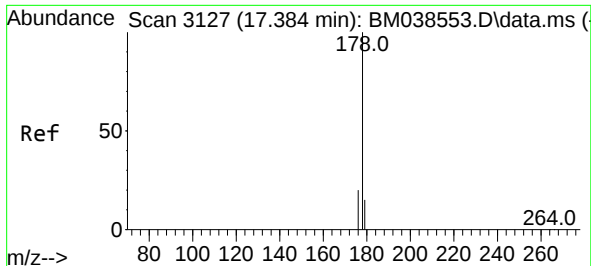
Tgt Ion:166 Resp: 2052  
Ion Ratio Lower Upper  
166 100  
165 99.0 79.3 118.9  
167 16.3 11.9 17.9



#14  
Pentachlorophenol  
Concen: 0.604 ng/ul  
RT: 16.999 min Scan# 3036  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion:266 Resp: 854  
Ion Ratio Lower Upper  
266 100  
264 61.9 49.4 74.2  
268 65.8 51.7 77.5

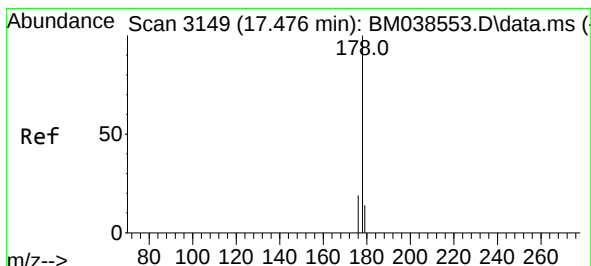
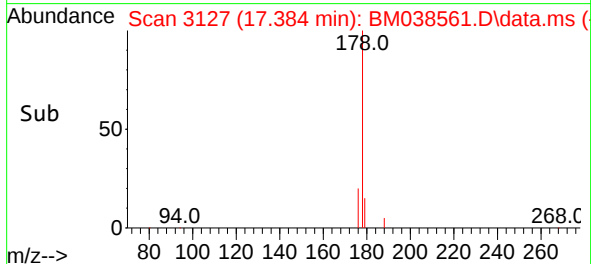
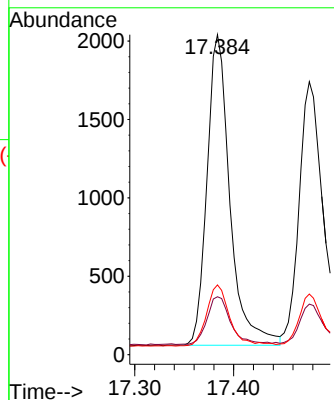
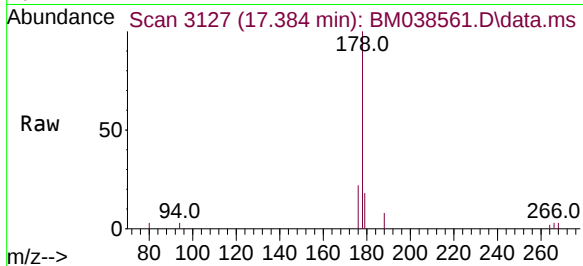




#15  
Phenanthrene  
Concen: 0.284 ng/ul  
RT: 17.384 min Scan# 3127  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

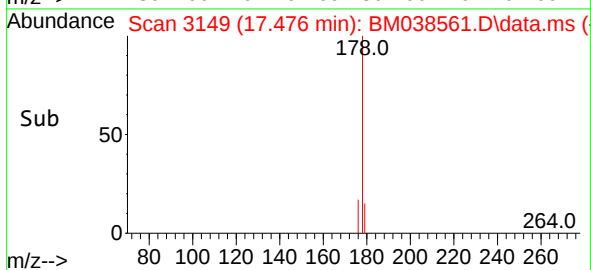
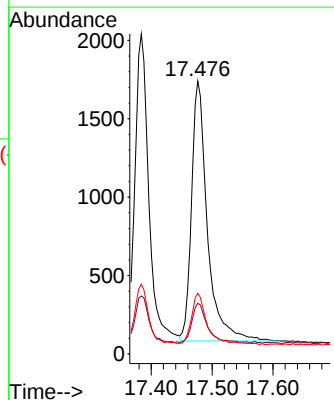
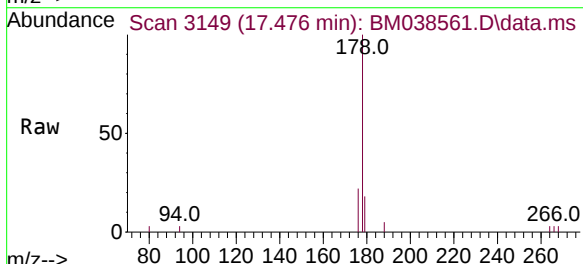
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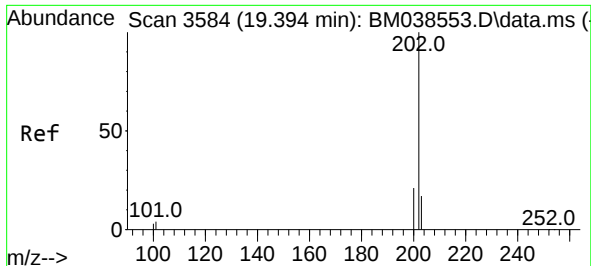
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| Tgt Ion:178 | Resp: | 3191      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 18.1  | 13.0 19.4 |
| 176         | 21.8  | 16.4 24.6 |



#16  
Anthracene  
Concen: 0.314 ng/ul  
RT: 17.476 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 3004      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 18.5  | 13.2 19.8 |
| 176         | 22.2  | 16.2 24.4 |

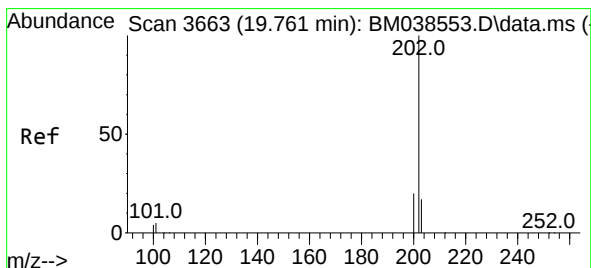
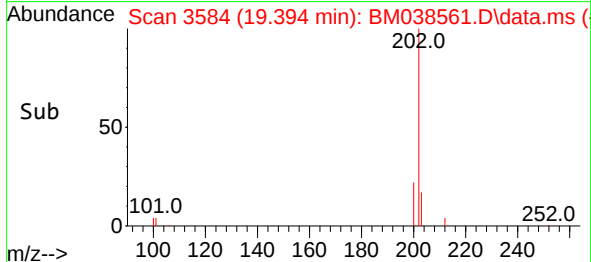
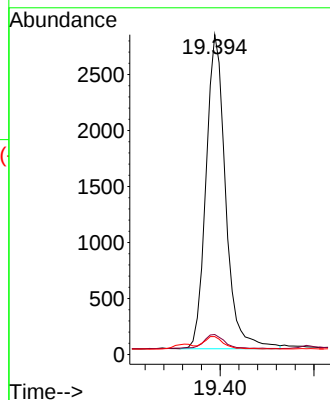
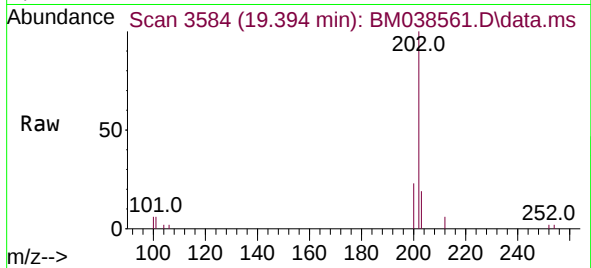




#19  
Fluoranthene  
Concen: 0.317 ng/ul  
RT: 19.394 min Scan# 3584  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

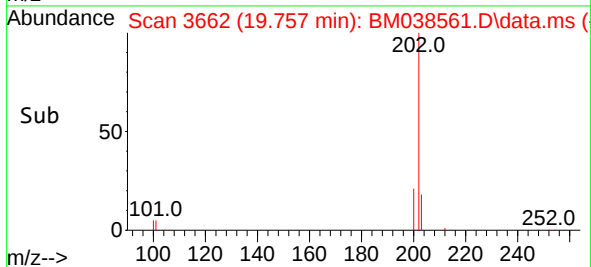
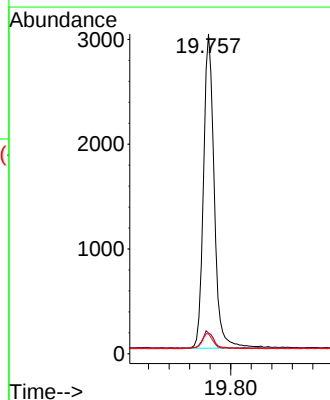
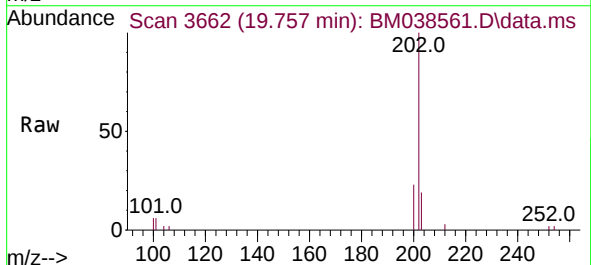
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS406

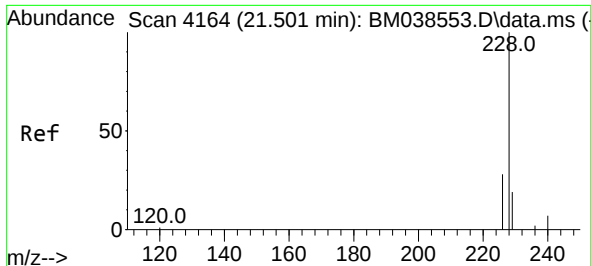
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.3   | 5.3   | 7.9   |
| 100     | 5.6   | 4.2   | 6.2   |



#20  
Pyrene  
Concen: 0.316 ng/ul  
RT: 19.757 min Scan# 3662  
Delta R.T. -0.000 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.5   | 5.9   | 8.9   |
| 100     | 6.3   | 5.2   | 7.8   |

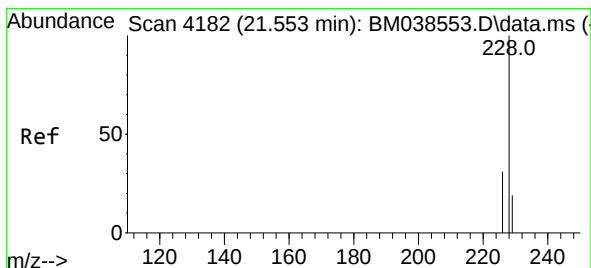
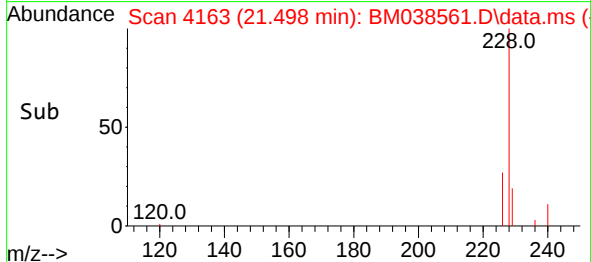
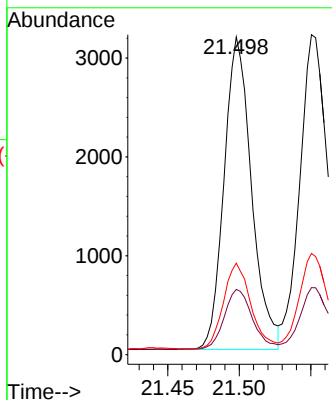
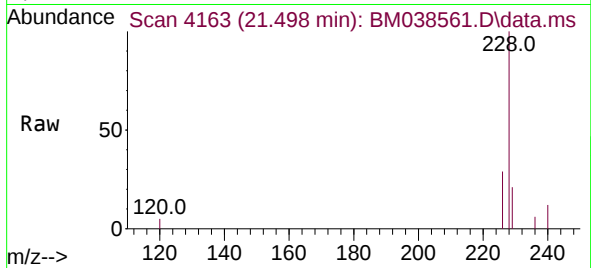




#21  
Benzo(a)anthracene  
Concen: 0.331 ng/ul  
RT: 21.498 min Scan# 4163  
Delta R.T. -0.003 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

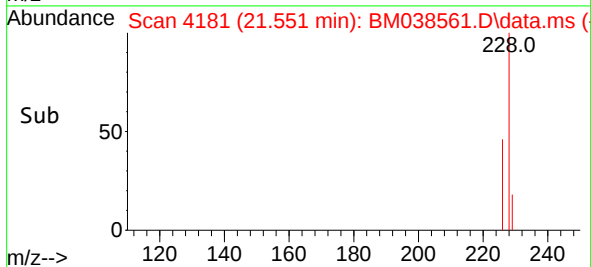
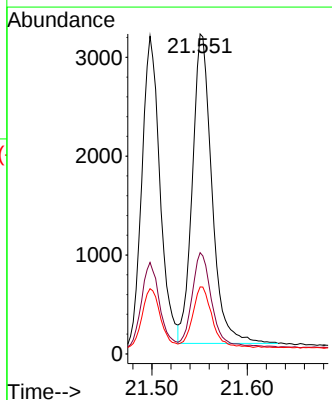
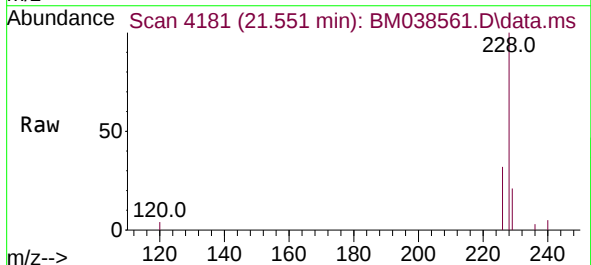
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS406

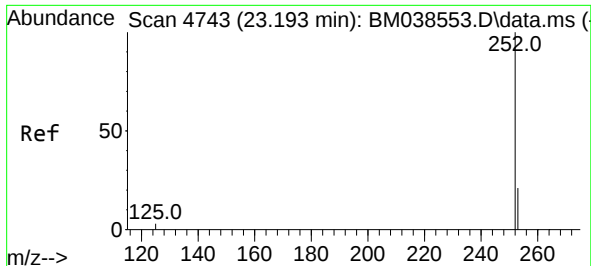
Tgt Ion:228 Resp: 4222  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.7 25.1  
226 28.8 22.2 33.4



#22  
Chrysene  
Concen: 0.347 ng/ul  
RT: 21.551 min Scan# 4181  
Delta R.T. -0.003 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion:228 Resp: 4455  
Ion Ratio Lower Upper  
228 100  
226 31.6 24.6 36.8  
229 20.9 16.2 24.4

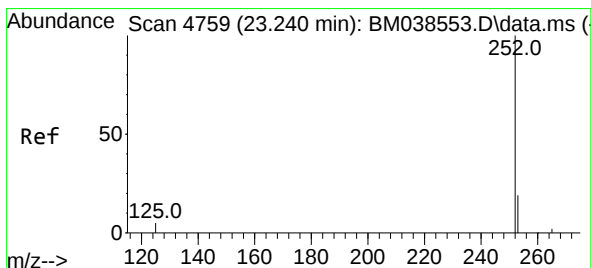
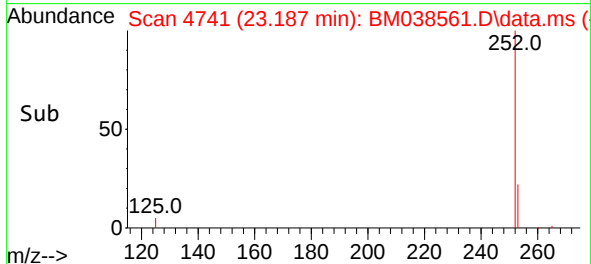
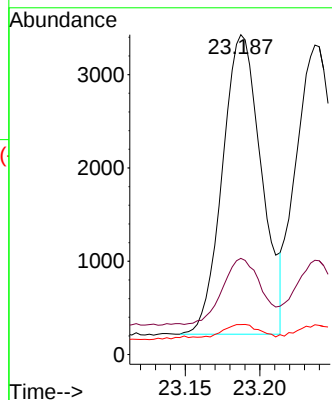
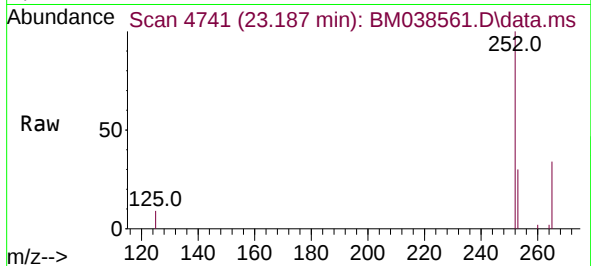




#24  
Benzo(b)fluoranthene  
Concen: 0.336 ng/ul  
RT: 23.187 min Scan# 4741  
Delta R.T. -0.003 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

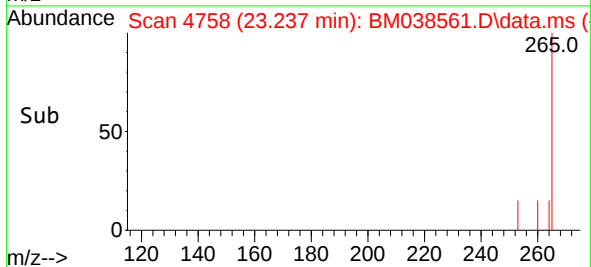
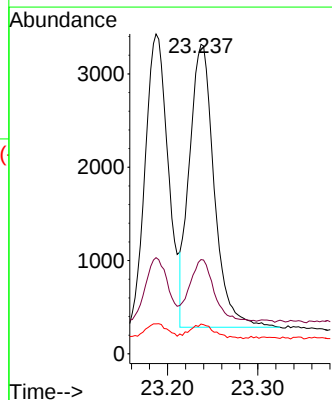
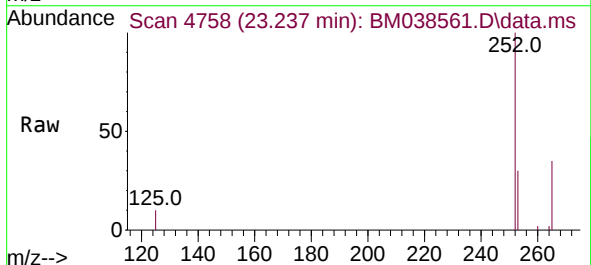
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS406

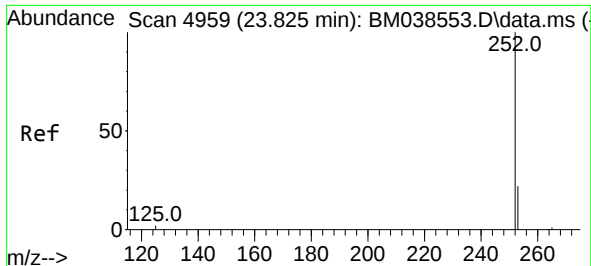
Tgt Ion:252 Resp: 5859  
Ion Ratio Lower Upper  
252 100  
253 30.1 0.0 56.6  
125 9.4 0.0 21.4



#25  
Benzo(k)fluoranthene  
Concen: 0.343 ng/ul  
RT: 23.237 min Scan# 4758  
Delta R.T. -0.003 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion:252 Resp: 5799  
Ion Ratio Lower Upper  
252 100  
253 30.5 23.1 34.7  
125 9.6 8.4 12.6

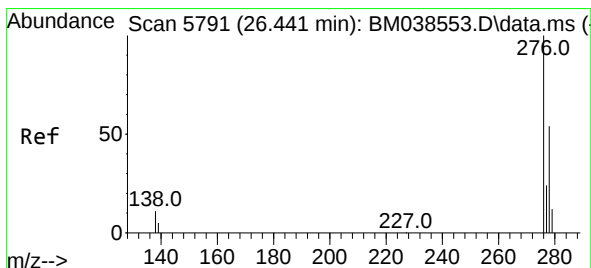
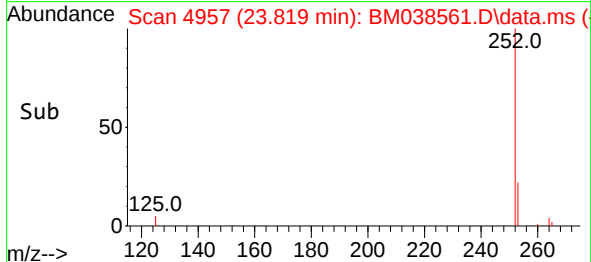
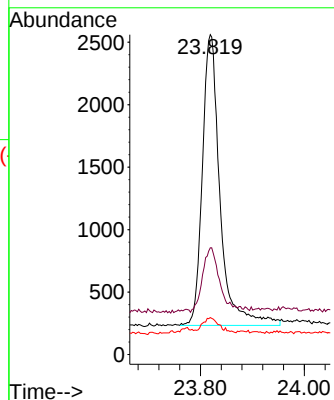
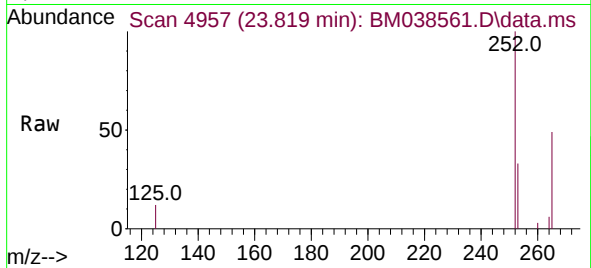




#26  
Benzo(a)pyrene  
Concen: 0.351 ng/ul  
RT: 23.819 min Scan# 4959  
Delta R.T. -0.003 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

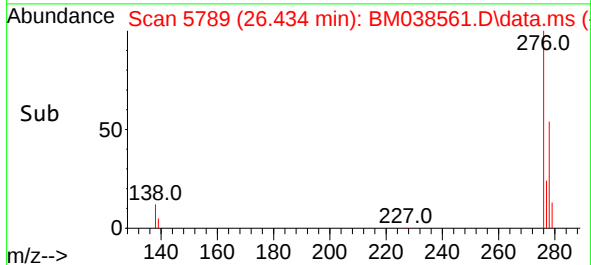
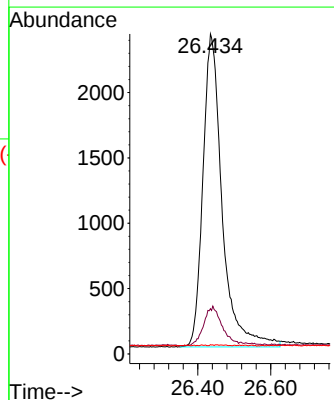
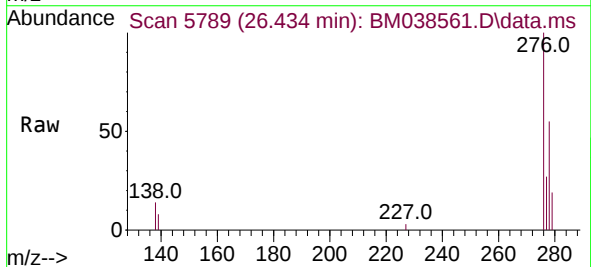
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS406

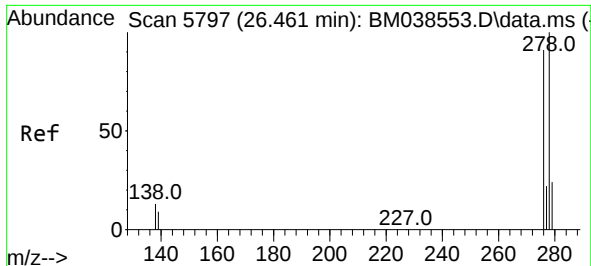
Tgt Ion:252 Resp: 5495  
Ion Ratio Lower Upper  
252 100  
253 33.4 25.1 37.7  
125 11.6 10.0 15.0



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.398 ng/ul  
RT: 26.434 min Scan# 5789  
Delta R.T. -0.007 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion:276 Resp: 8759  
Ion Ratio Lower Upper  
276 100  
138 0.0 11.7 17.5#  
227 0.0 0.3 0.5#

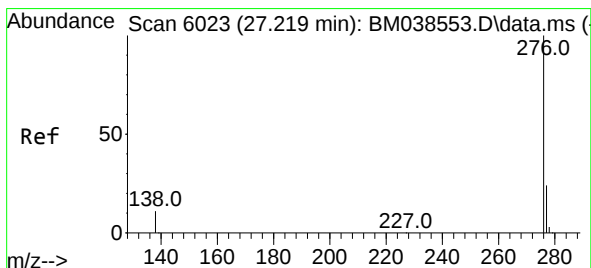
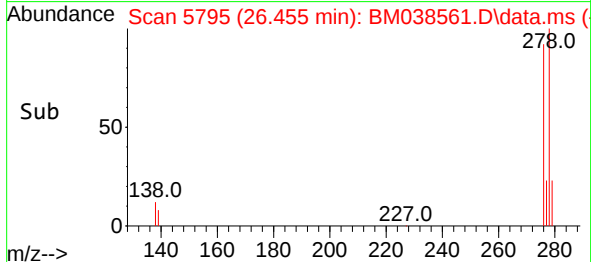
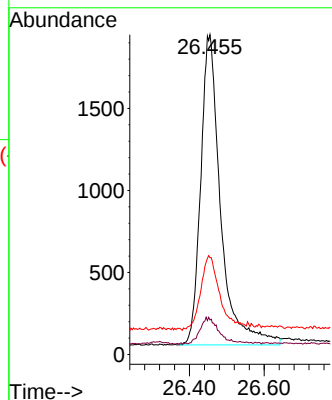
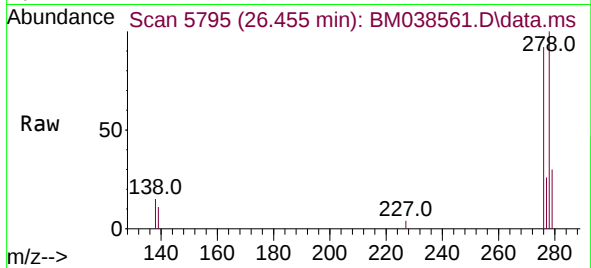




#28  
Dibenzo(a,h)anthracene  
Concen: 0.400 ng/ul  
RT: 26.455 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS406

Tgt Ion:278 Resp: 7002  
Ion Ratio Lower Upper  
278 100  
139 10.8 9.8 14.8  
279 30.3 23.3 34.9



#29  
Benzo(g,h,i)perylene  
Concen: 0.412 ng/ul  
RT: 27.213 min Scan# 6021  
Delta R.T. -0.007 min  
Lab File: BM038561.D  
Acq: 26 Jan 2023 23:09

Tgt Ion:276 Resp: 7883  
Ion Ratio Lower Upper  
276 100  
138 13.7 12.6 19.0  
277 25.9 20.5 30.7

