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 Data File : BM044592.D  
 Acq On : 12 Mar 2024 16:44  
 Operator : MA/JU  
 Sample : PB159506BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS506

Quant Time: Mar 12 17:13:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM031124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 14:02:17 2024  
 Response via : Initial Calibration

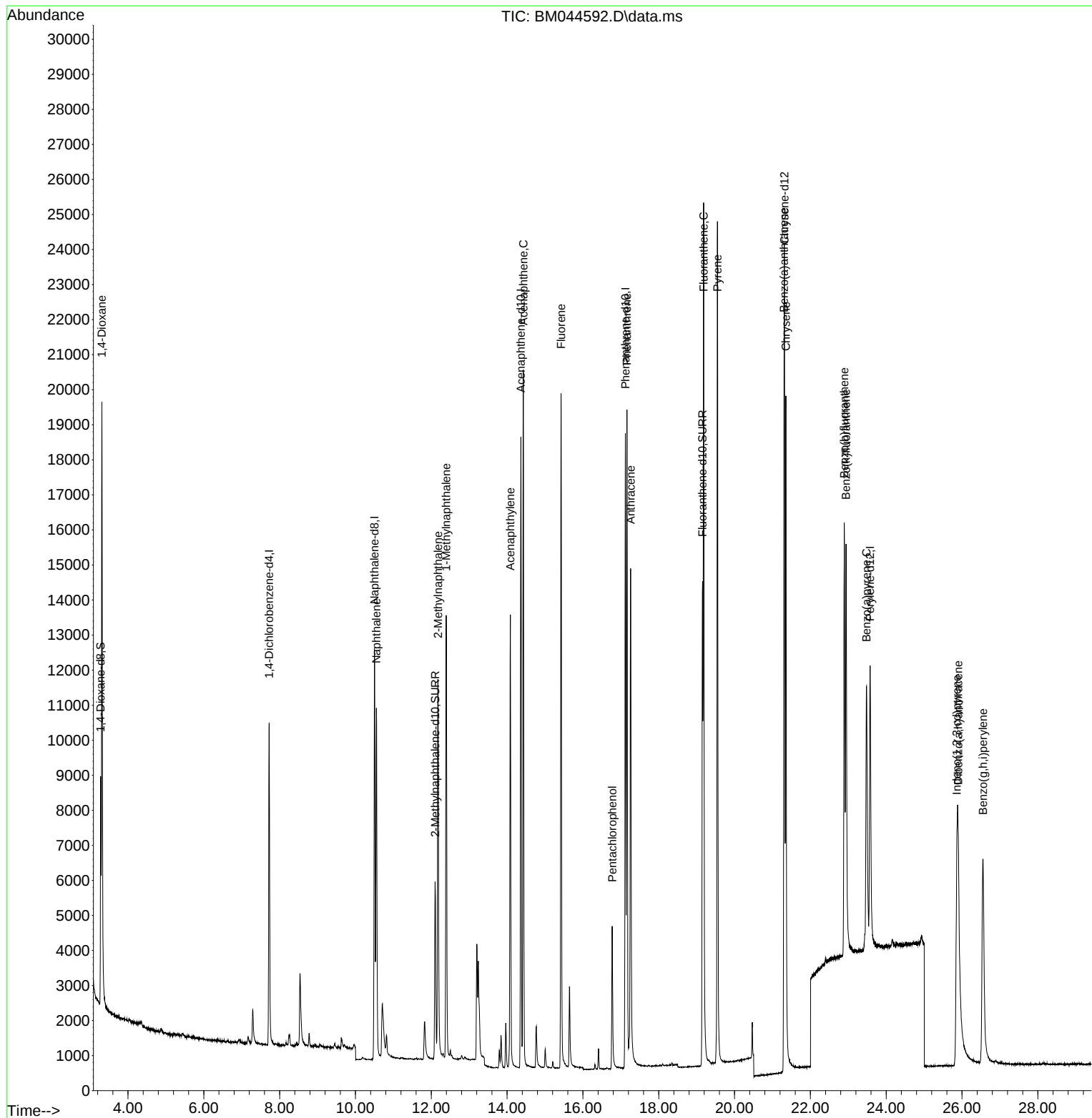
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.724  | 152  | 5322     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.501 | 136  | 17785    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.362 | 164  | 10320    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.119 | 188  | 22755    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.316 | 240  | 13996    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.575 | 264  | 13074    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.281  | 96   | 4233     | 0.607 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.101 | 152  | 8338     | 0.326 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.154 | 212  | 17522    | 0.357 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.310  | 88   | 11564    | 1.622 | ng/ul# | 67       |
| 5) Naphthalene              | 10.551 | 128  | 15236    | 0.305 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.178 | 142  | 9865     | 0.312 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.393 | 142  | 10107    | 0.316 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.085 | 152  | 15805    | 0.301 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.427 | 153  | 11643    | 0.307 | ng/ul  | 99       |
| 12) Fluorene                | 15.422 | 166  | 13436    | 0.311 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.773 | 266  | 3375     | 0.615 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.161 | 178  | 21440    | 0.314 | ng/ul  | 99       |
| 16) Anthracene              | 17.258 | 178  | 19750    | 0.308 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.182 | 202  | 23108    | 0.337 | ng/ul  | 98       |
| 20) Pyrene                  | 19.549 | 202  | 23619    | 0.336 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.304 | 228  | 17004    | 0.319 | ng/ul  | 100      |
| 22) Chrysene                | 21.354 | 228  | 20167    | 0.337 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.894 | 252  | 16638    | 0.333 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 22.941 | 252  | 18861    | 0.349 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.479 | 252  | 15050    | 0.332 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.863 | 276  | 17000    | 0.326 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.897 | 278  | 12973    | 0.323 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.551 | 276  | 15589    | 0.341 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

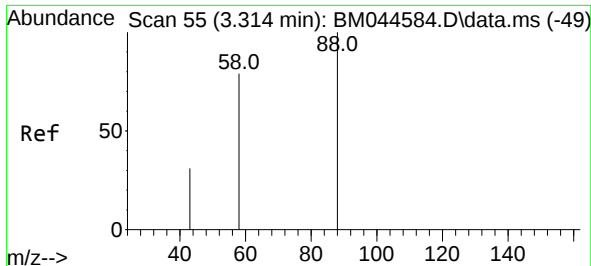
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031224\  
Data File : BM044592.D  
Acq On : 12 Mar 2024 16:44  
Operator : MA/JU  
Sample : PB159506BS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

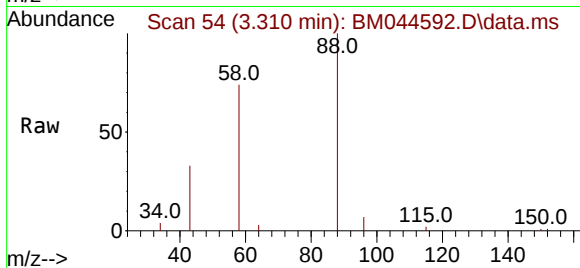
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM031124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 11 14:02:17 2024  
Response via : Initial Calibration



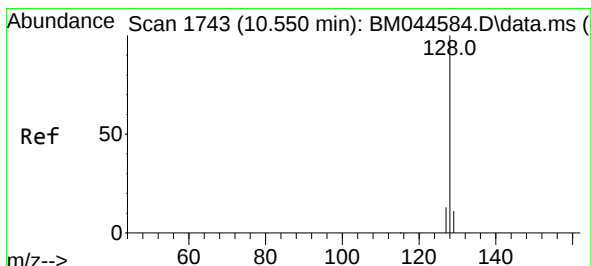
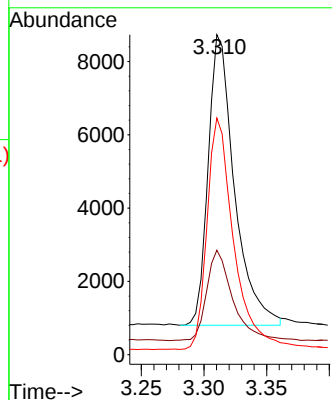
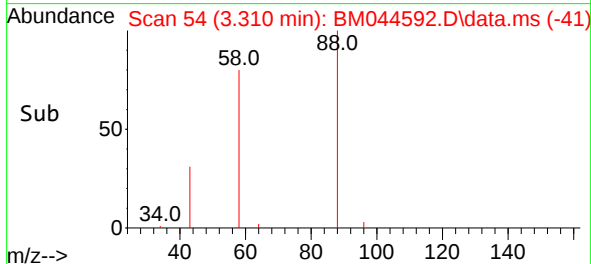


#2  
1,4-Dioxane  
Concen: 1.622 ng/ul  
RT: 3.310 min Scan# 54  
Delta R.T. -0.004 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

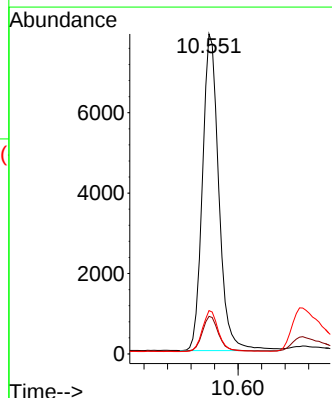
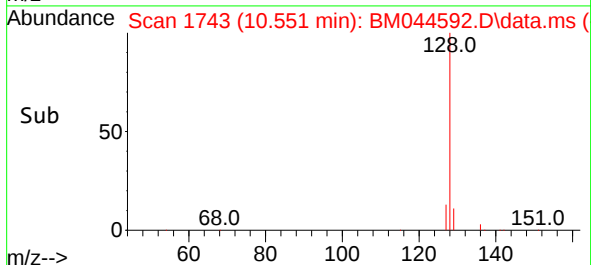
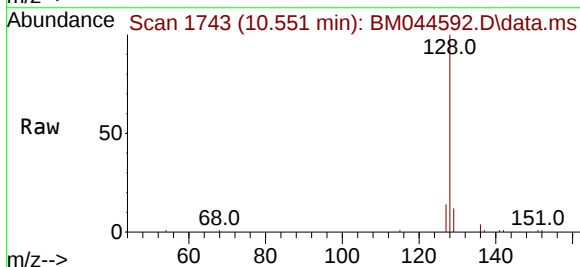


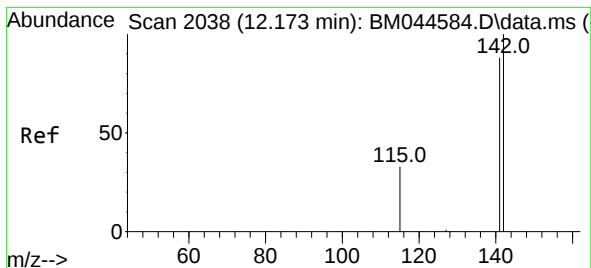
Tgt Ion: 88 Resp: 11564  
Ion Ratio Lower Upper  
88 100  
43 32.6 21.4 32.0#  
58 74.0 35.6 53.4#



#5  
Naphthalene  
Concen: 0.305 ng/ul  
RT: 10.551 min Scan# 1743  
Delta R.T. -0.006 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion: 128 Resp: 15236  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.2 13.8  
127 13.6 10.3 15.5

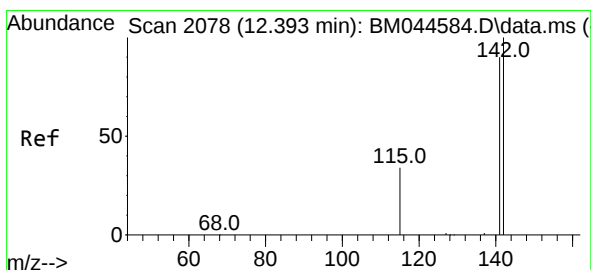
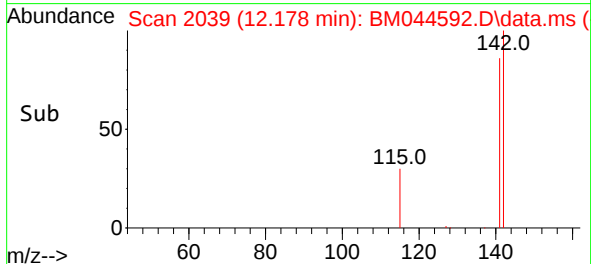
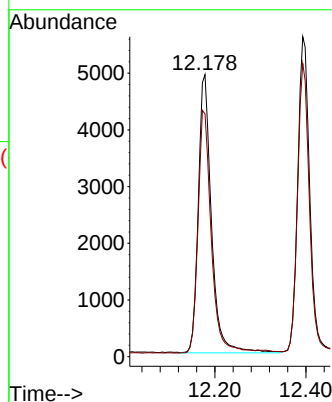
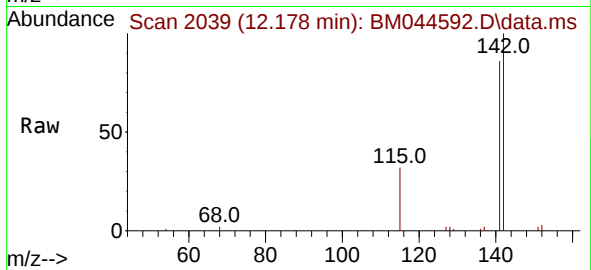




#7  
2-Methylnaphthalene  
Concen: 0.312 ng/ul  
RT: 12.178 min Scan# 2039  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

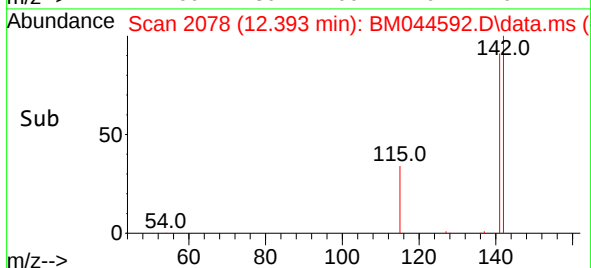
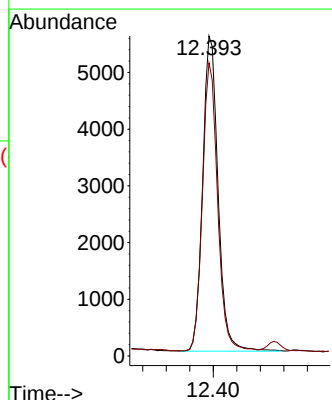
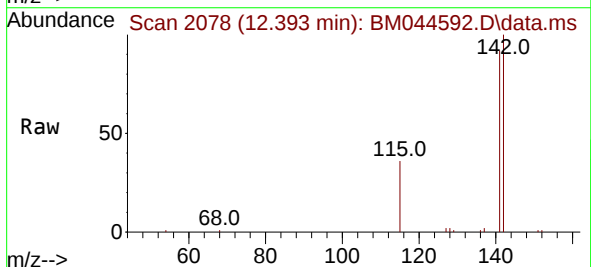
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

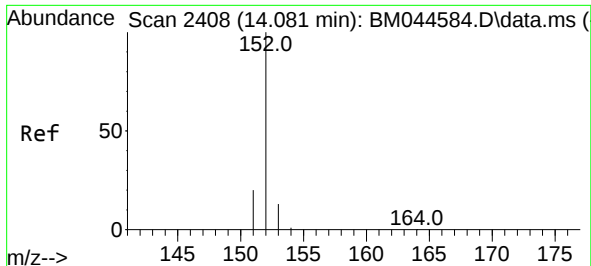
Tgt Ion:142 Resp: 9865  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.8 107.6



#8  
1-Methylnaphthalene  
Concen: 0.316 ng/ul  
RT: 12.393 min Scan# 2078  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion:142 Resp: 10107  
Ion Ratio Lower Upper  
142 100  
141 89.8 73.1 109.7

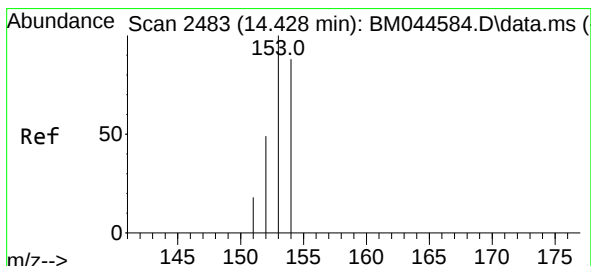
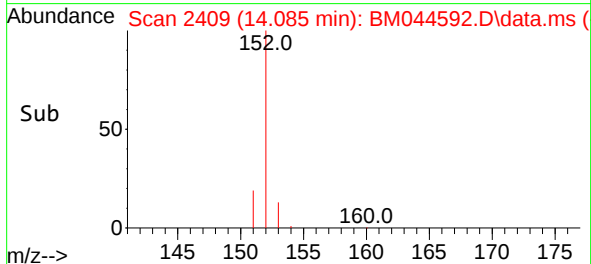
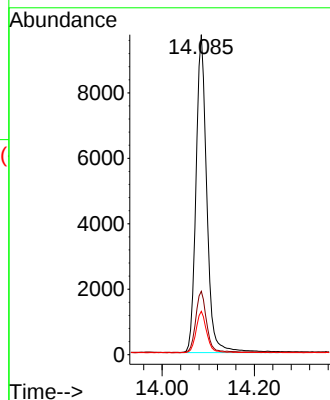
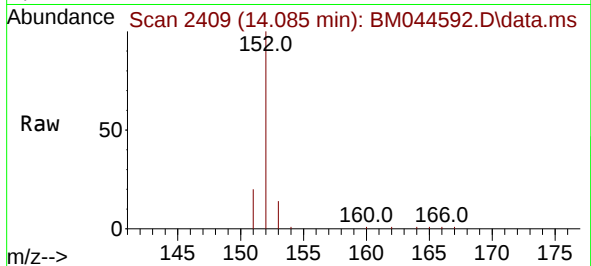




#10  
Acenaphthylene  
Concen: 0.301 ng/ul  
RT: 14.085 min Scan# 2408  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

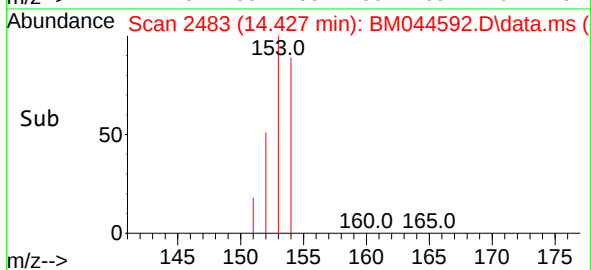
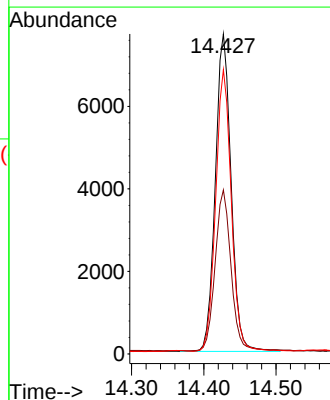
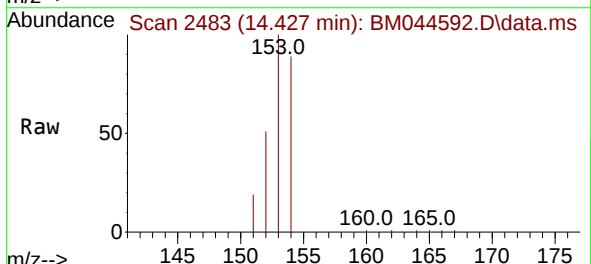
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ClientSampleId :  
SLCS506

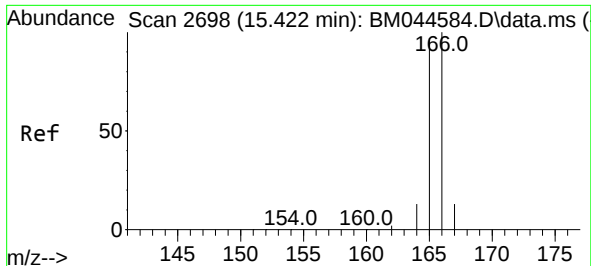
Tgt Ion:152 Resp: 15805  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.8 23.8  
153 13.6 10.8 16.2



#11  
Acenaphthene  
Concen: 0.307 ng/ul  
RT: 14.427 min Scan# 2483  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion:153 Resp: 11643  
Ion Ratio Lower Upper  
153 100  
152 51.2 40.7 61.1  
154 88.8 70.6 106.0

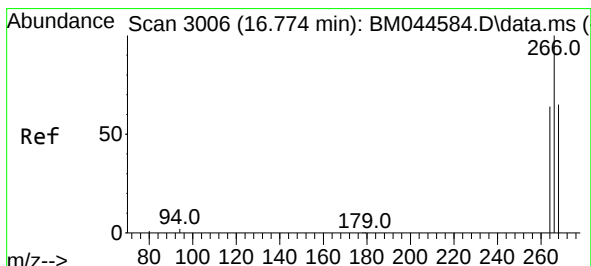
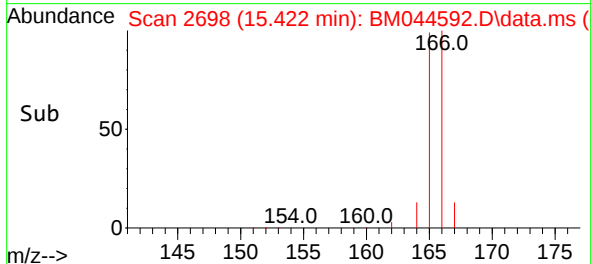
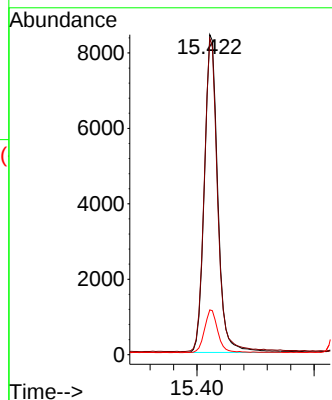
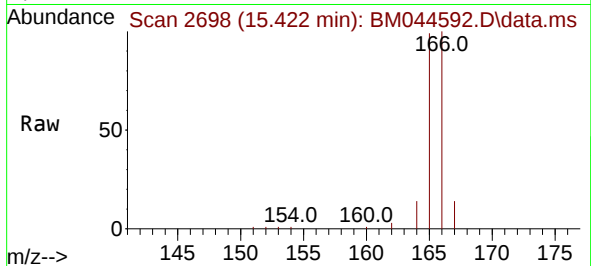




#12  
 Fluorene  
 Concen: 0.311 ng/ul  
 RT: 15.422 min Scan# 2698  
 Delta R.T. -0.000 min  
 Lab File: BM044592.D  
 Acq: 12 Mar 2024 16:44

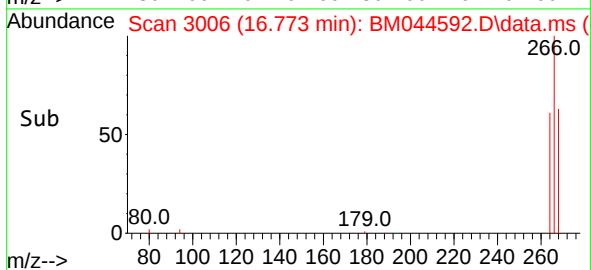
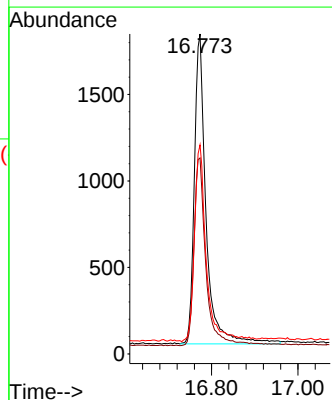
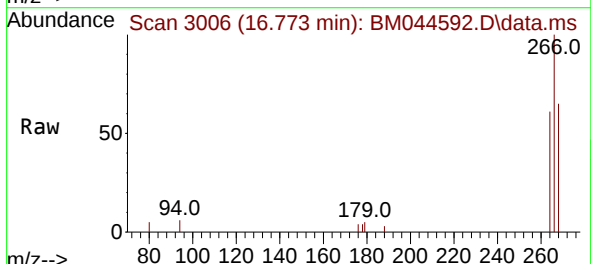
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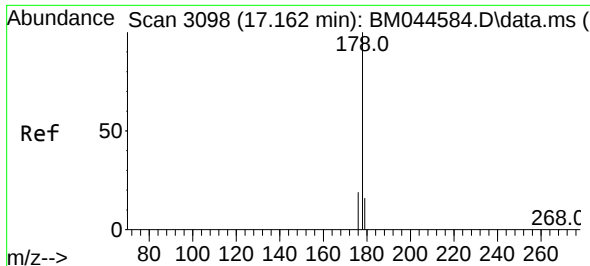
Tgt Ion:166 Resp: 13436  
 Ion Ratio Lower Upper  
 166 100  
 165 98.8 79.4 119.0  
 167 14.0 11.0 16.6



#14  
 Pentachlorophenol  
 Concen: 0.615 ng/ul  
 RT: 16.773 min Scan# 3006  
 Delta R.T. -0.004 min  
 Lab File: BM044592.D  
 Acq: 12 Mar 2024 16:44

Tgt Ion:266 Resp: 3375  
 Ion Ratio Lower Upper  
 266 100  
 264 62.2 49.5 74.3  
 268 64.6 48.1 72.1

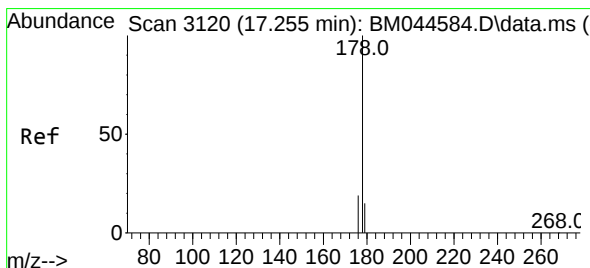
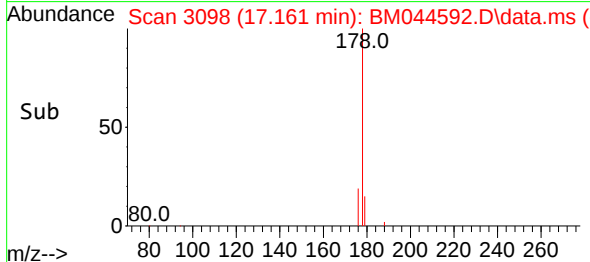
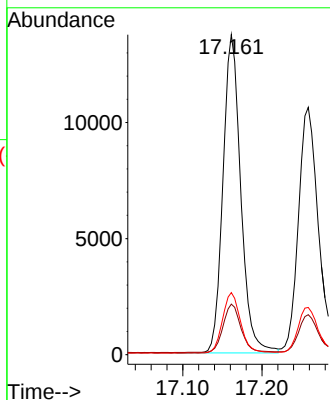
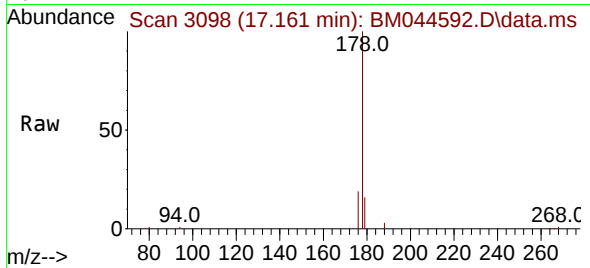




#15  
Phenanthrene  
Concen: 0.314 ng/ul  
RT: 17.161 min Scan# 3098  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

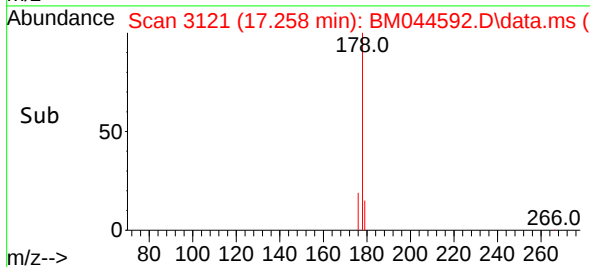
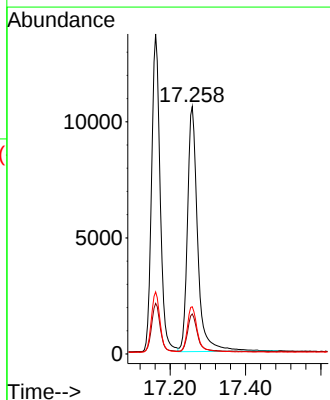
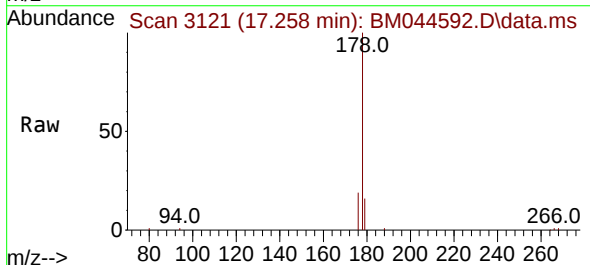
Instrument :  
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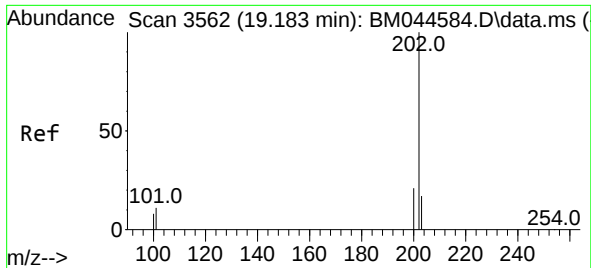
Tgt Ion:178 Resp: 21440  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.5 18.7  
176 19.4 15.8 23.8



#16  
Anthracene  
Concen: 0.308 ng/ul  
RT: 17.258 min Scan# 3121  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion:178 Resp: 19750  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.8 19.2  
176 19.1 15.2 22.8

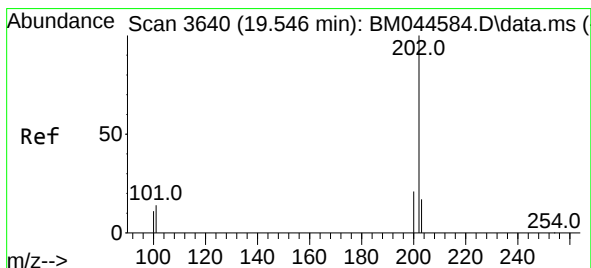
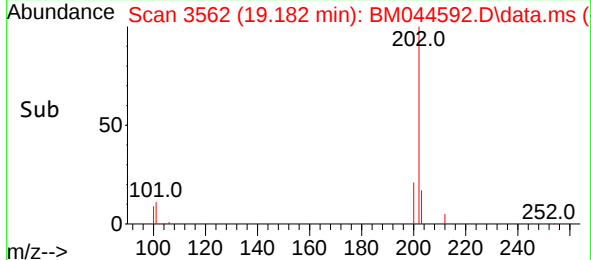
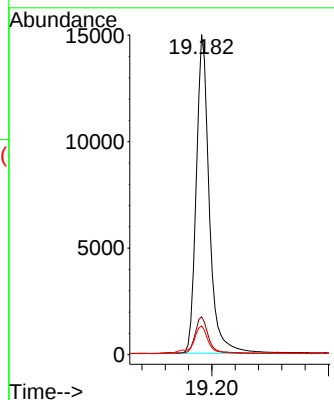
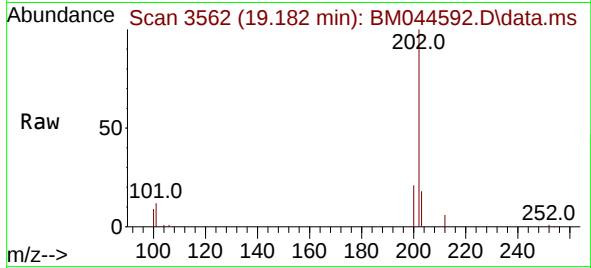




#19  
Fluoranthene  
Concen: 0.337 ng/ul  
RT: 19.182 min Scan# 3562  
Delta R.T. -0.005 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

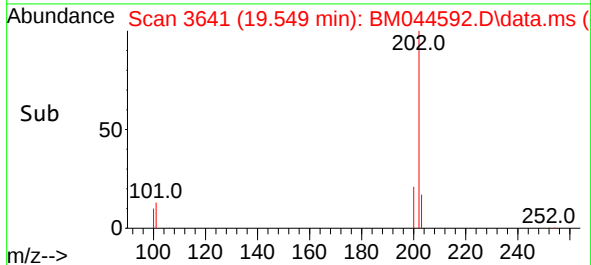
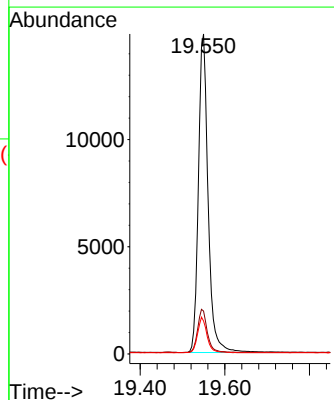
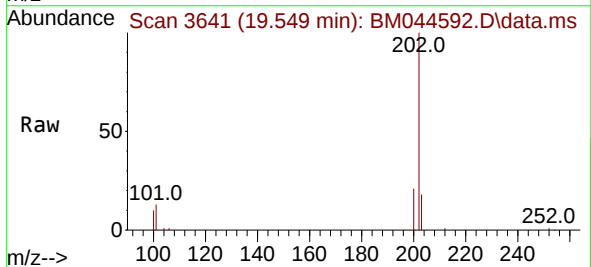
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

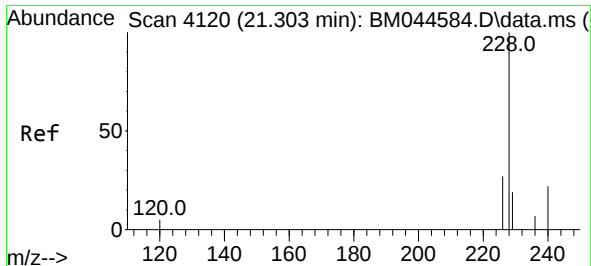
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Ion Ratio Lower Upper  
202 100  
101 11.8 9.0 13.4  
100 9.0 6.8 10.2



#20  
Pyrene  
Concen: 0.336 ng/ul  
RT: 19.549 min Scan# 3641  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

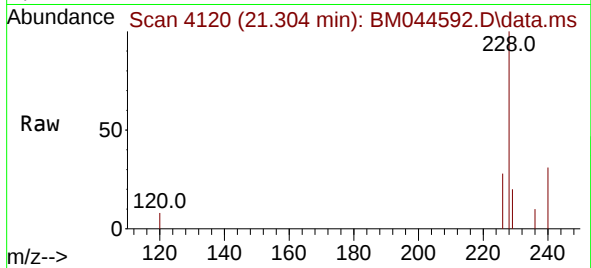
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100 10.3 8.4 12.6



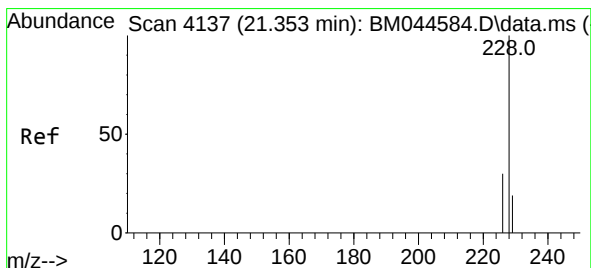
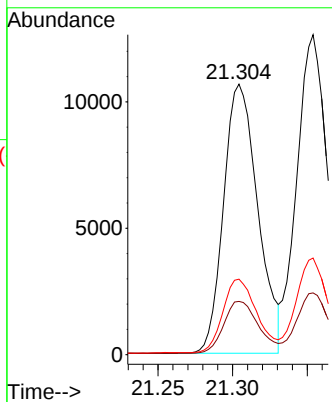
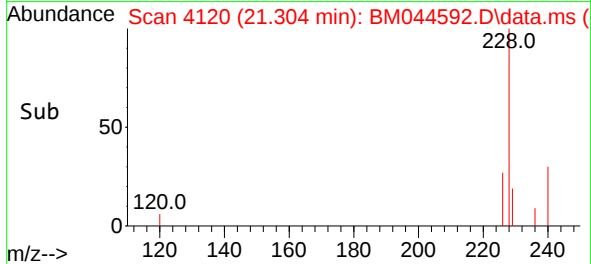


#21  
Benzo(a)anthracene  
Concen: 0.319 ng/ul  
RT: 21.304 min Scan# 4120  
Delta R.T. 0.003 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

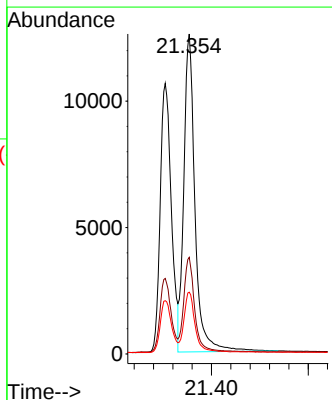
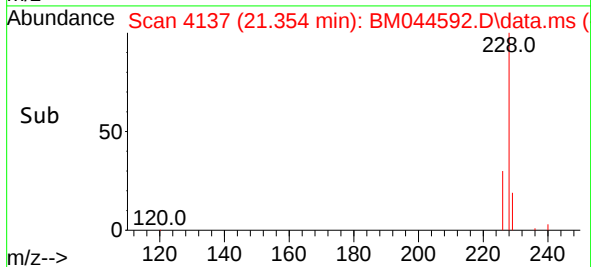
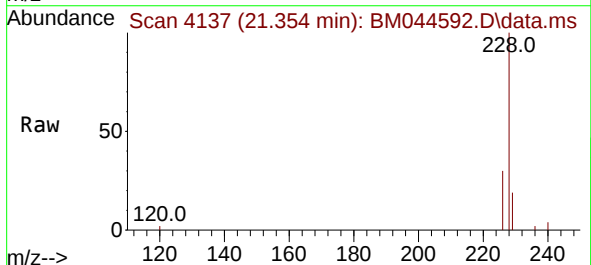


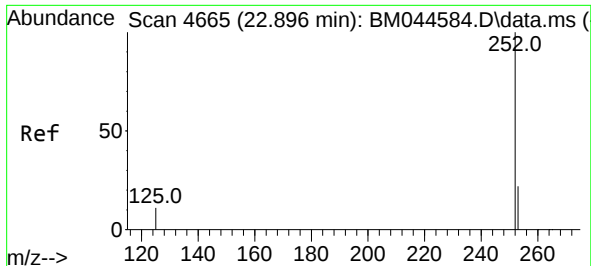
Tgt Ion:228 Resp: 17004  
Ion Ratio Lower Upper  
228 100  
229 19.7 15.9 23.9  
226 27.9 22.2 33.2



#22  
Chrysene  
Concen: 0.337 ng/ul  
RT: 21.354 min Scan# 4137  
Delta R.T. 0.003 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion:228 Resp: 20167  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.6 37.0  
229 19.3 15.7 23.5

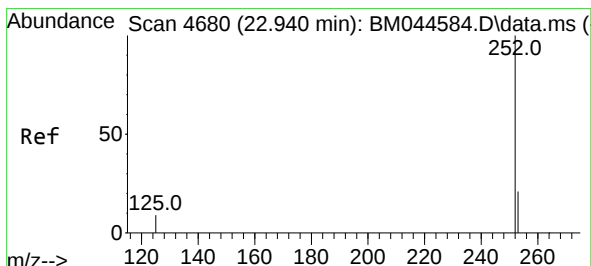
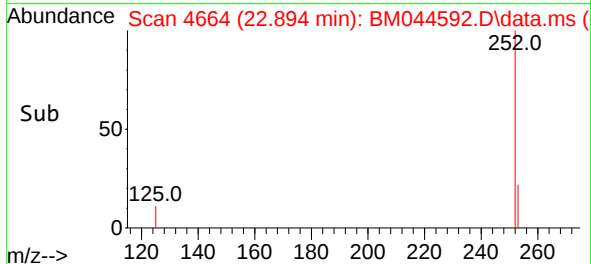
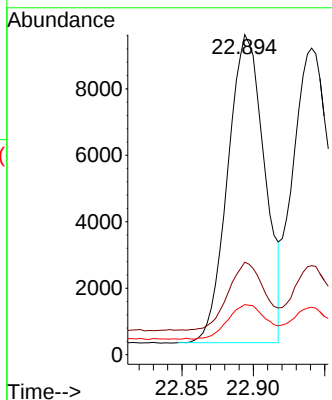
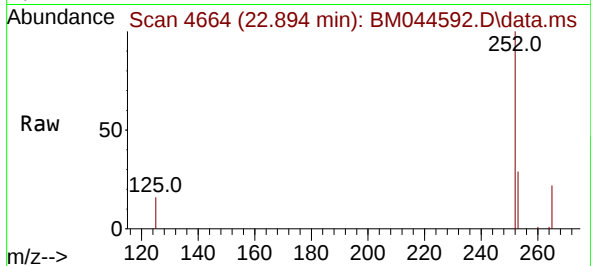




#24  
Benzo(b)fluoranthene  
Concen: 0.333 ng/ul  
RT: 22.894 min Scan# 4664  
Delta R.T. 0.003 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

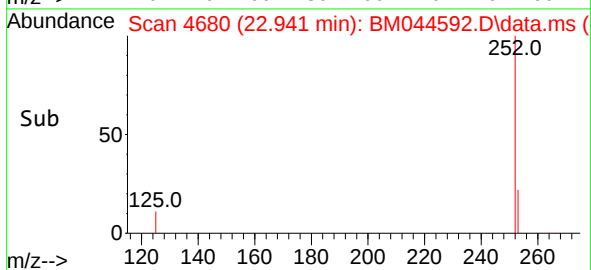
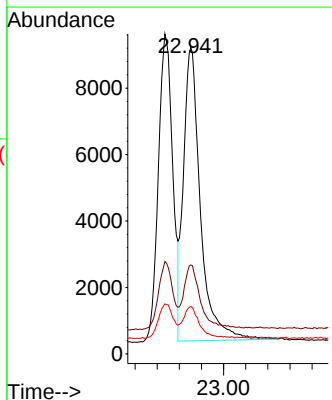
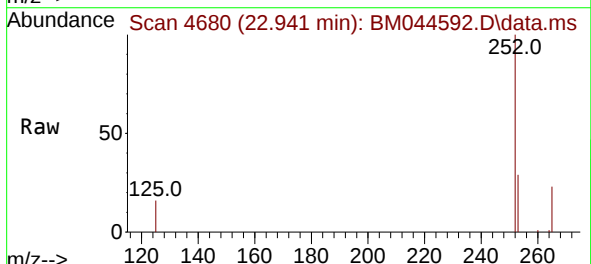
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

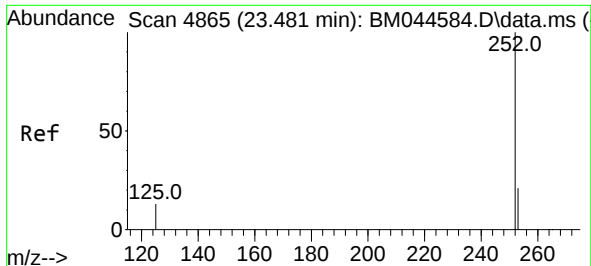
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 16638 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 28.9  | 0.0   | 54.6  |
| 125      | 15.6  | 0.0   | 28.6  |



#25  
Benzo(k)fluoranthene  
Concen: 0.349 ng/ul  
RT: 22.941 min Scan# 4680  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 18861 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 29.0  | 22.6  | 33.8  |
| 125      | 15.5  | 11.4  | 17.2  |

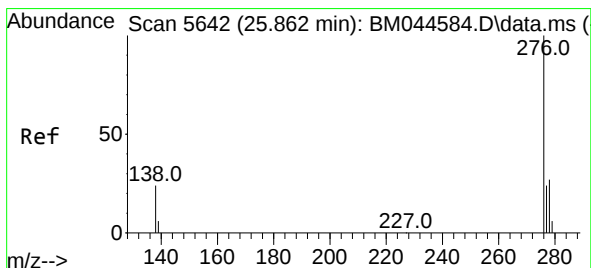
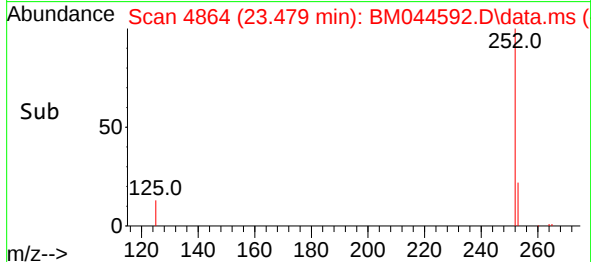
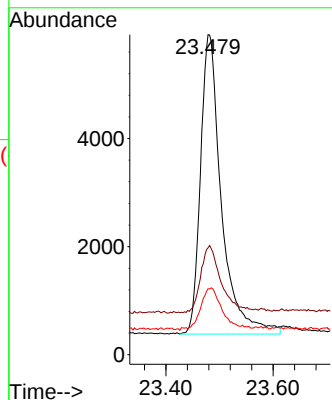
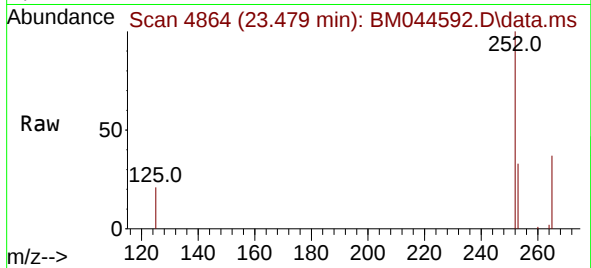




#26  
Benzo(a)pyrene  
Concen: 0.332 ng/ul  
RT: 23.479 min Scan# 4865  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

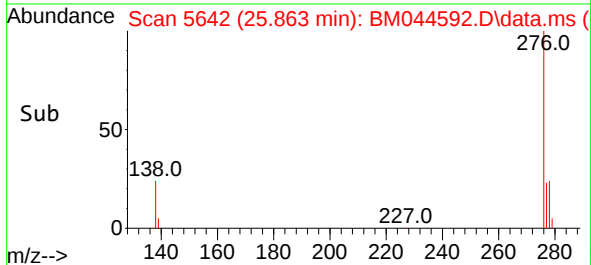
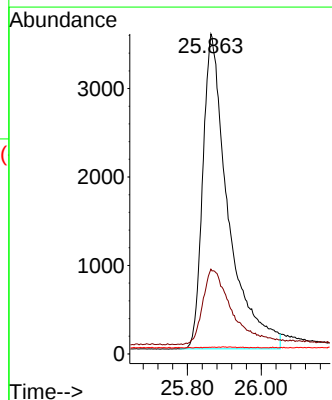
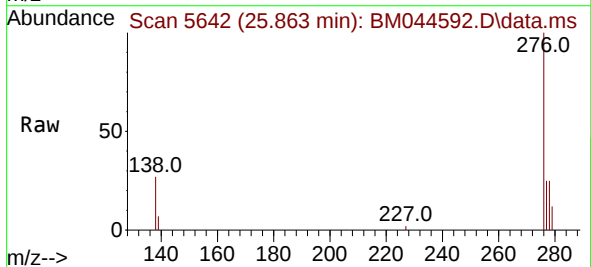
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

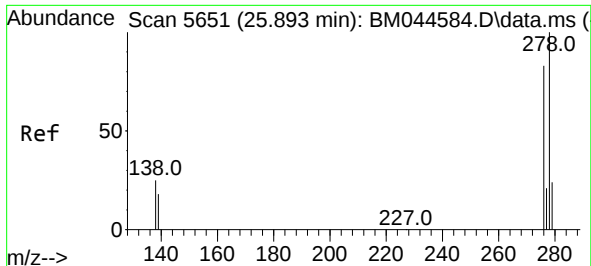
Tgt Ion:252 Resp: 15050  
Ion Ratio Lower Upper  
252 100  
253 33.4 25.2 37.8  
125 20.6 14.2 21.4



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.326 ng/ul  
RT: 25.863 min Scan# 5642  
Delta R.T. -0.000 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion:276 Resp: 17000  
Ion Ratio Lower Upper  
276 100  
138 27.5 21.9 32.9  
227 0.1 0.0 0.0#

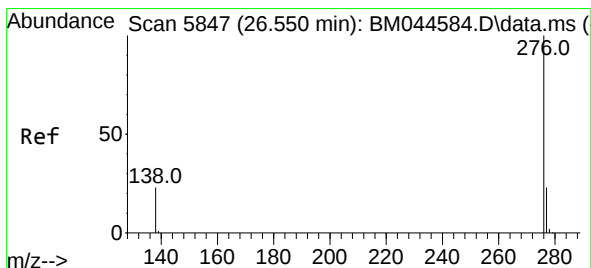
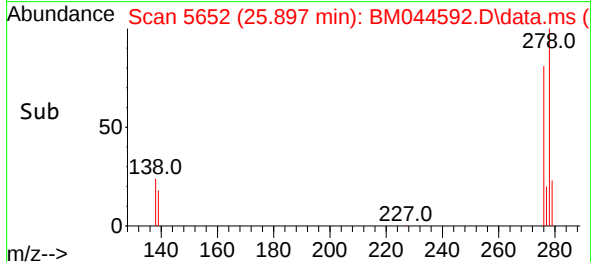
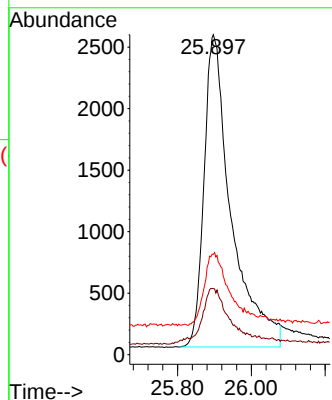
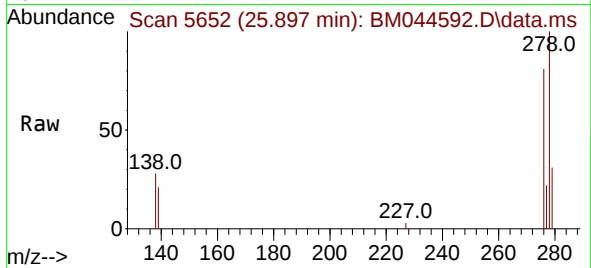




#28  
Dibenzo(a,h)anthracene  
Concen: 0.323 ng/ul  
RT: 25.897 min Scan# 5651  
Delta R.T. 0.007 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS506

Tgt Ion:278 Resp: 12973  
Ion Ratio Lower Upper  
278 100  
139 20.6 15.9 23.9  
279 31.4 24.1 36.1



#29  
Benzo(g,h,i)perylene  
Concen: 0.341 ng/ul  
RT: 26.551 min Scan# 5847  
Delta R.T. -0.003 min  
Lab File: BM044592.D  
Acq: 12 Mar 2024 16:44

Tgt Ion:276 Resp: 15589  
Ion Ratio Lower Upper  
276 100  
138 26.3 20.1 30.1  
277 25.2 19.6 29.4

