

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM042997.D  
 Acq On : 25 Nov 2023 02:23  
 Operator : MA/JU  
 Sample : PB157174BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS174

Quant Time: Nov 25 03:37:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 24 15:22:31 2023  
 Response via : Initial Calibration

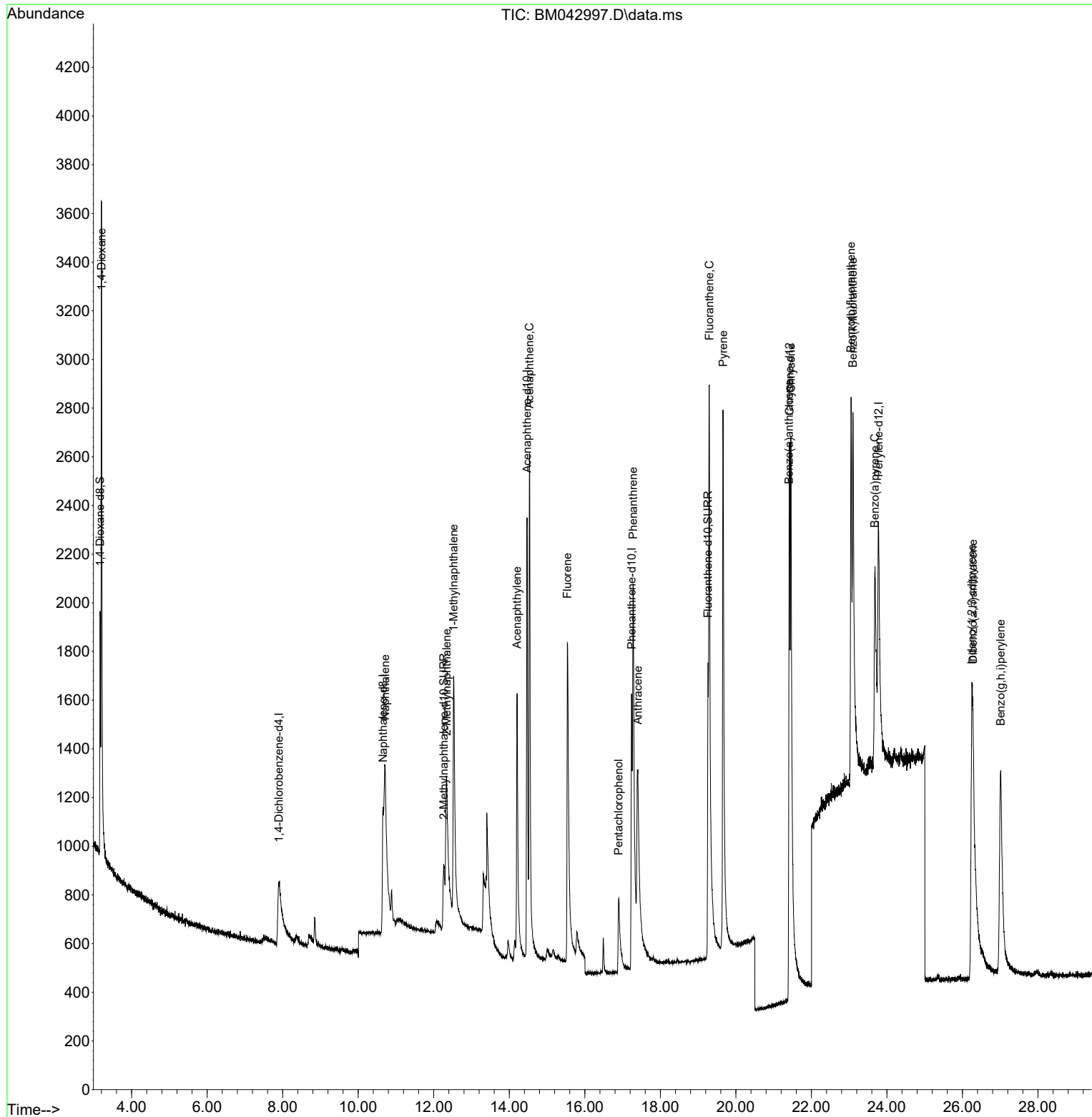
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.897  | 152  | 649      | 0.400 | ng/ul  | 0.02     |
| 4) Naphthalene-d8           | 10.656 | 136  | 2250     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.470 | 164  | 1401     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.238 | 188  | 3068     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.420 | 240  | 1918     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.776 | 264  | 2178     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.164  | 96   | 719      | 0.722 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.262 | 152  | 1047     | 0.348 | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.262 | 212  | 2452     | 0.351 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.202  | 88   | 2059     | 1.925 | ng/ul# | 84       |
| 5) Naphthalene              | 10.711 | 128  | 1951     | 0.319 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.344 | 142  | 1190     | 0.330 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.526 | 142  | 1211     | 0.301 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.206 | 152  | 2213     | 0.309 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.535 | 153  | 1723     | 0.318 | ng/ul  | 97       |
| 12) Fluorene                | 15.538 | 166  | 1804     | 0.324 | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.892 | 266  | 544      | 0.655 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.281 | 178  | 2755     | 0.315 | ng/ul  | 97       |
| 16) Anthracene              | 17.403 | 178  | 2587     | 0.312 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.295 | 202  | 3564     | 0.328 | ng/ul  | 98       |
| 20) Pyrene                  | 19.662 | 202  | 3782     | 0.327 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.409 | 228  | 2066     | 0.332 | ng/ul  | 98       |
| 22) Chrysene                | 21.455 | 228  | 3763     | 0.325 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.051 | 252  | 2714     | 0.369 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.101 | 252  | 3578     | 0.353 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.680 | 252  | 2665     | 0.332 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.245 | 276  | 3350     | 0.309 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.279 | 278  | 2579     | 0.307 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.013 | 276  | 3229     | 0.306 | ng/ul  | 98       |

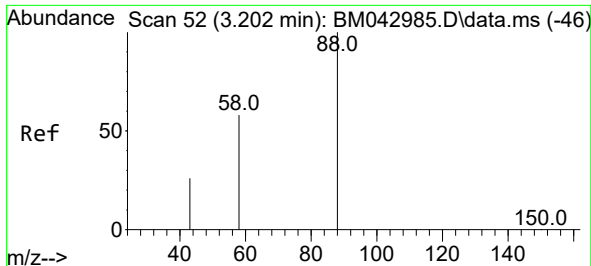
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
Data File : BM042997.D  
Acq On : 25 Nov 2023 02:23  
Operator : MA/JU  
Sample : PB157174BS  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

Quant Time: Nov 25 03:37:23 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 24 15:22:31 2023  
Response via : Initial Calibration

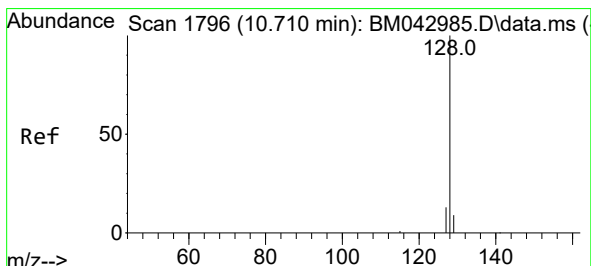
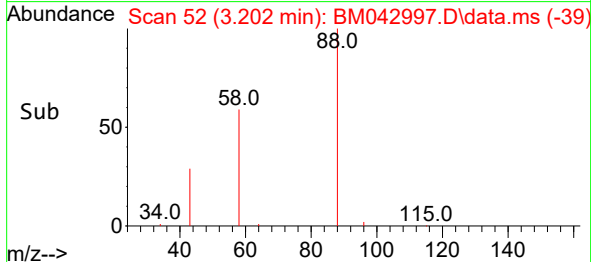
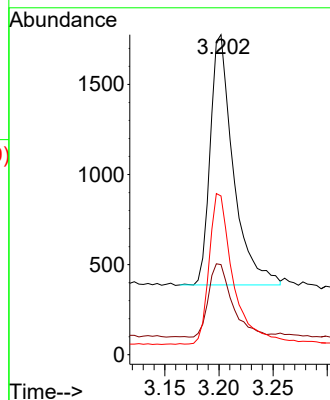
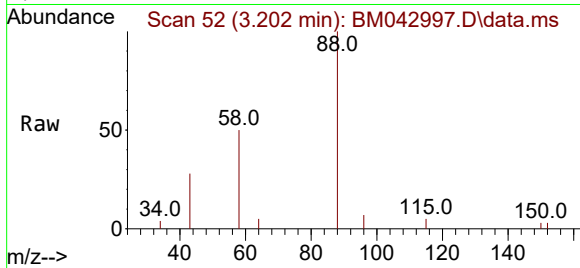




#2  
1,4-Dioxane  
Concen: 1.925 ng/ul  
RT: 3.202 min Scan# 51  
Delta R.T. -0.004 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

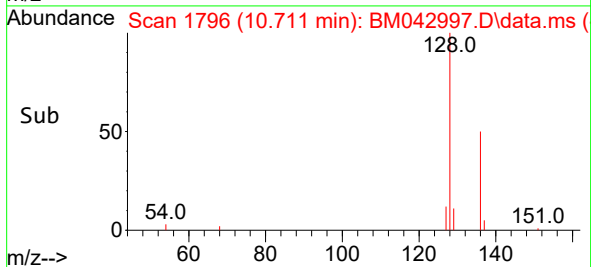
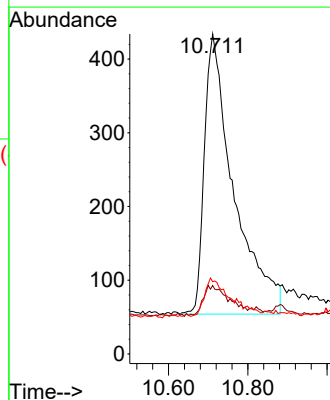
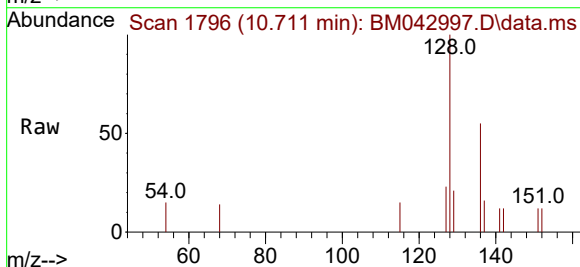
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

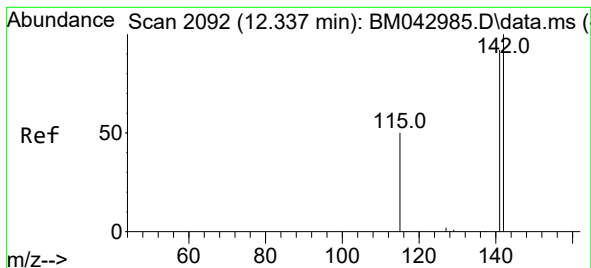
Tgt Ion: 88 Resp: 2059  
Ion Ratio Lower Upper  
88 100  
43 28.2 22.8 34.2  
58 49.6 26.8 40.2#



#5  
Naphthalene  
Concen: 0.319 ng/ul  
RT: 10.711 min Scan# 1796  
Delta R.T. 0.012 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion: 128 Resp: 1951  
Ion Ratio Lower Upper  
128 100  
129 21.4 16.0 24.0  
127 22.6 16.5 24.7

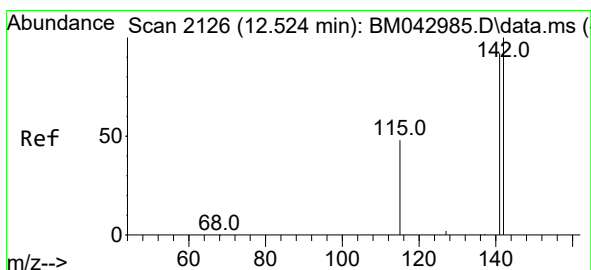
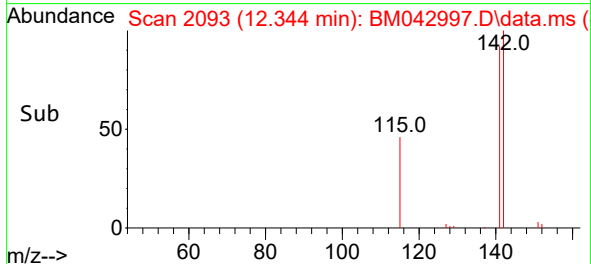
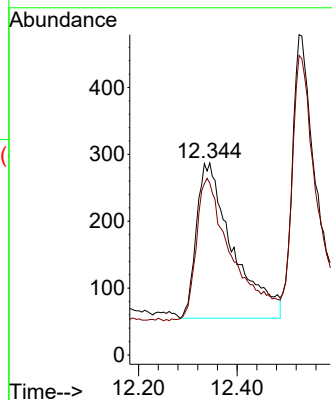
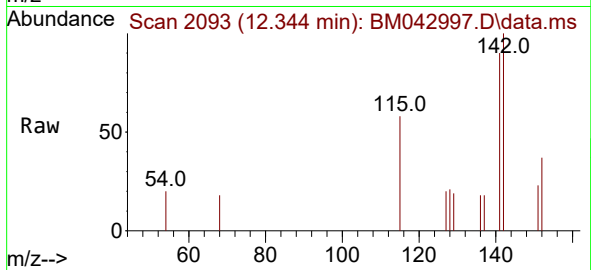




#7  
2-Methylnaphthalene  
Concen: 0.330 ng/ul  
RT: 12.344 min Scan# 2093  
Delta R.T. 0.012 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

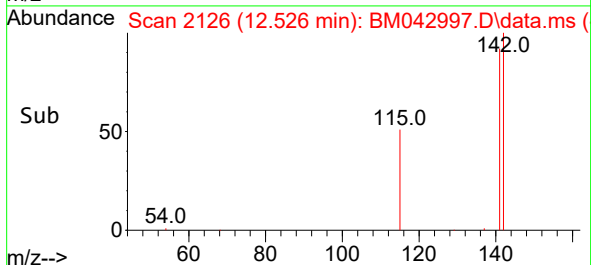
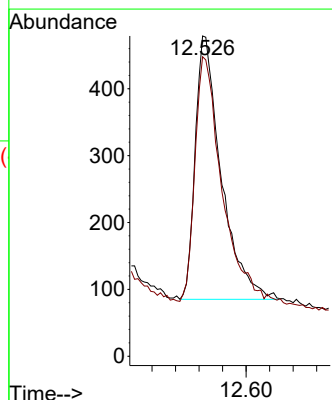
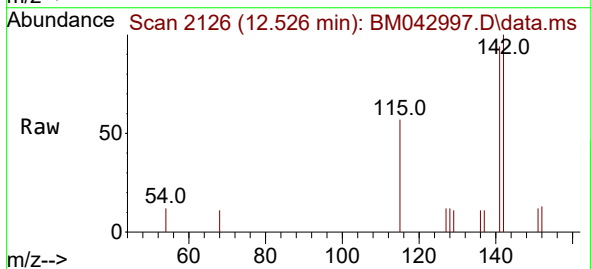
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

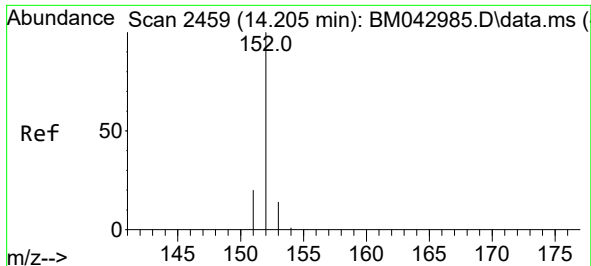
Tgt Ion:142 Resp: 1190  
Ion Ratio Lower Upper  
142 100  
141 91.8 76.1 114.1



#8  
1-Methylnaphthalene  
Concen: 0.301 ng/ul  
RT: 12.526 min Scan# 2126  
Delta R.T. 0.007 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:142 Resp: 1211  
Ion Ratio Lower Upper  
142 100  
141 95.6 73.8 110.8

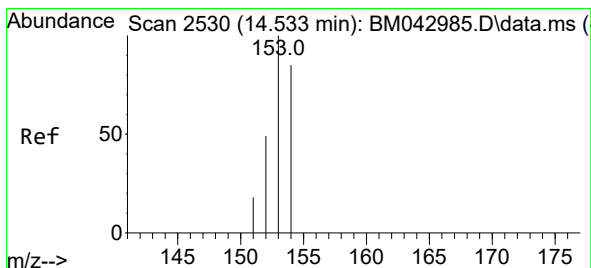
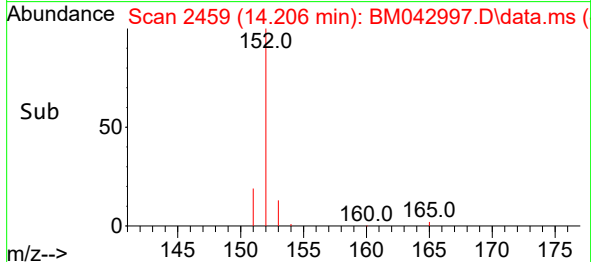
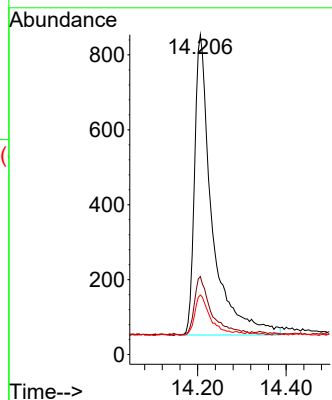
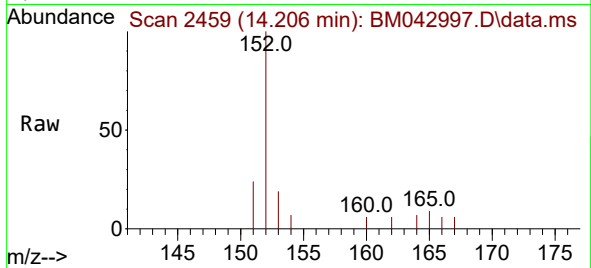




#10  
Acenaphthylene  
Concen: 0.309 ng/ul  
RT: 14.206 min Scan# 2459  
Delta R.T. 0.002 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

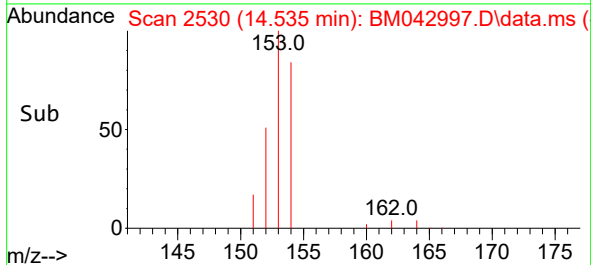
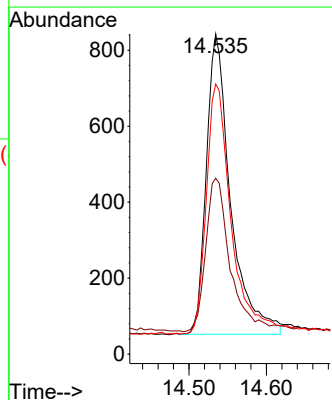
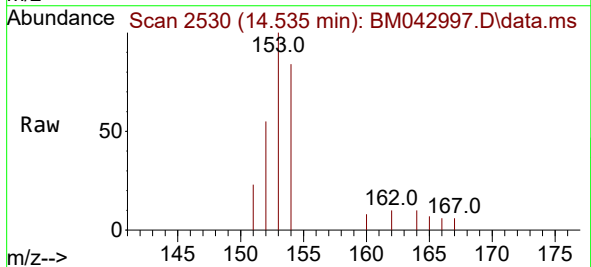
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

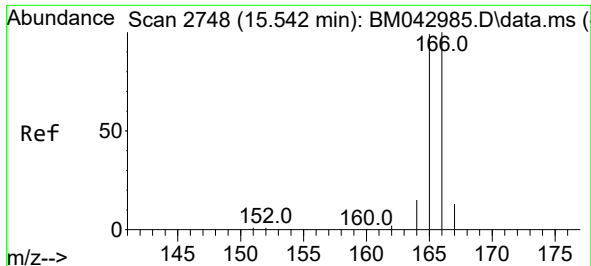
Tgt Ion:152 Resp: 2213  
Ion Ratio Lower Upper  
152 100  
151 24.4 19.4 29.0  
153 18.6 14.6 21.8



#11  
Acenaphthene  
Concen: 0.318 ng/ul  
RT: 14.535 min Scan# 2530  
Delta R.T. 0.001 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:153 Resp: 1723  
Ion Ratio Lower Upper  
153 100  
152 54.9 43.9 65.9  
154 84.3 70.6 105.8

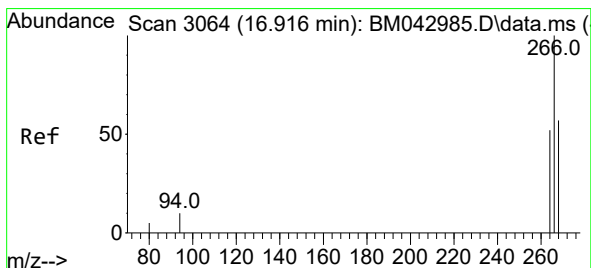
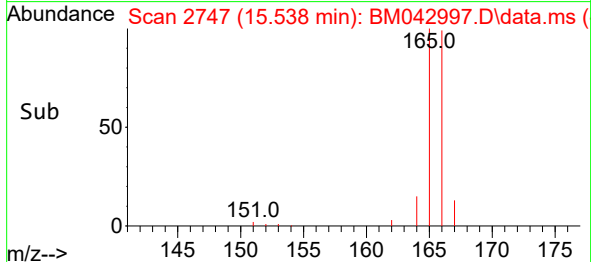
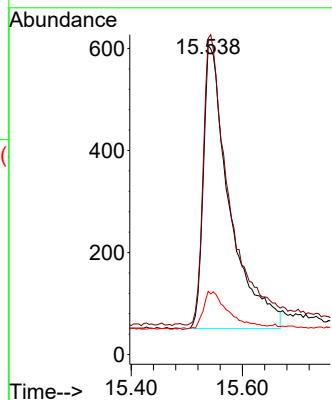
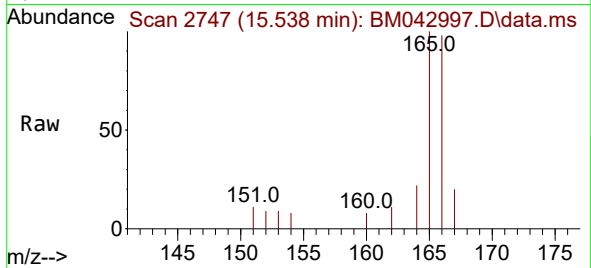




#12  
 Fluorene  
 Concen: 0.324 ng/ul  
 RT: 15.538 min Scan# 21  
 Delta R.T. 0.002 min  
 Lab File: BM042997.D  
 Acq: 25 Nov 2023 02:23

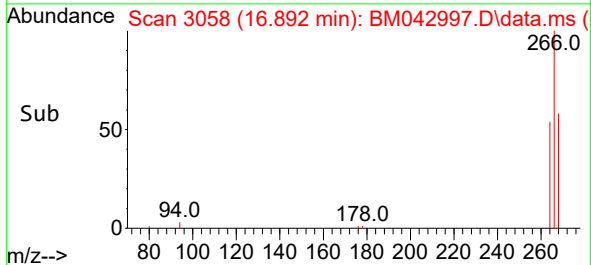
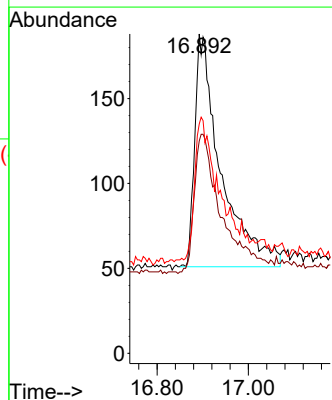
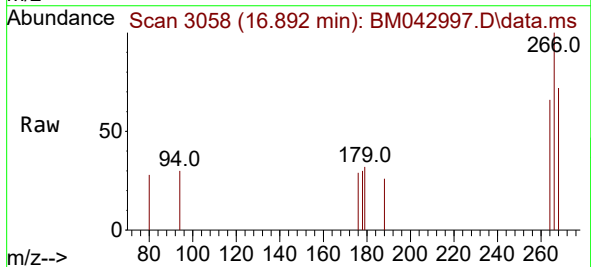
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS174

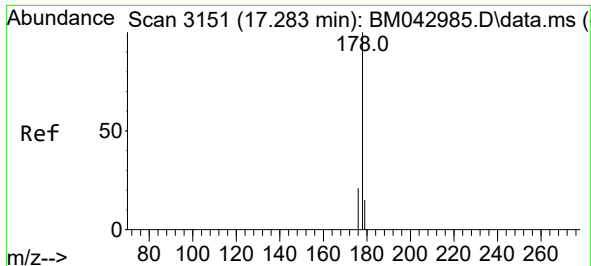
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 1804  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 102.3 | 79.9  | 119.9 |
| 167      | 20.5  | 14.2  | 21.4  |



#14  
 Pentachlorophenol  
 Concen: 0.655 ng/ul  
 RT: 16.892 min Scan# 3058  
 Delta R.T. -0.020 min  
 Lab File: BM042997.D  
 Acq: 25 Nov 2023 02:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 544   |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 64.2  | 48.8  | 73.2  |
| 268      | 66.5  | 51.8  | 77.6  |

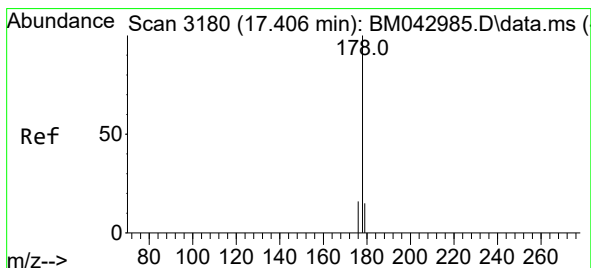
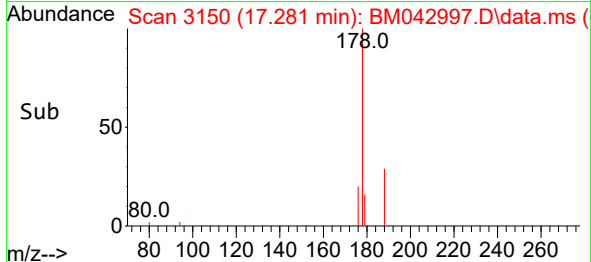
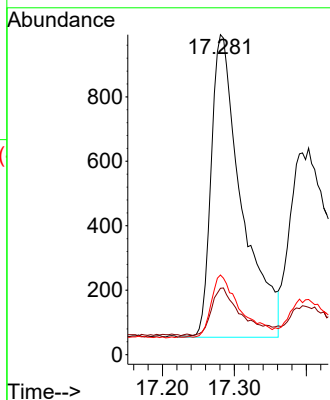
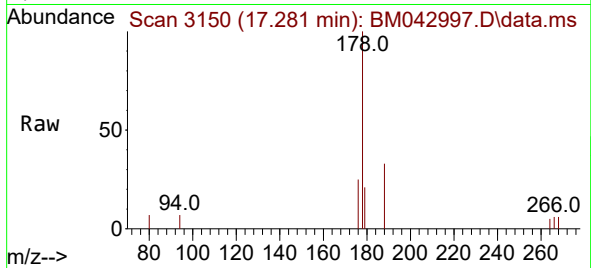




#15  
Phenanthrene  
Concen: 0.315 ng/ul  
RT: 17.281 min Scan# 3150  
Delta R.T. 0.001 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

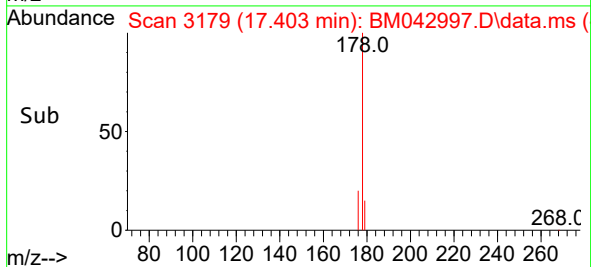
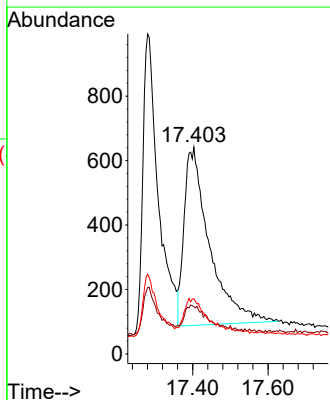
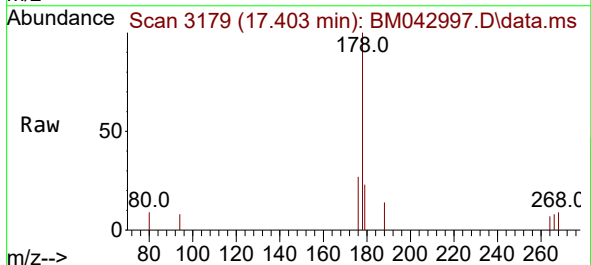
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

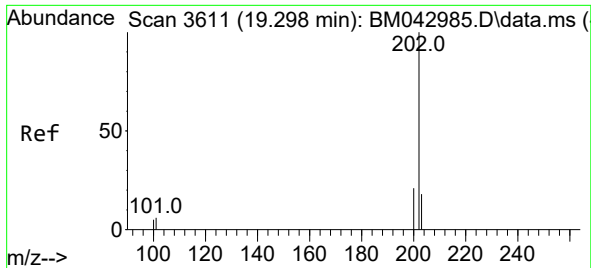
Tgt Ion:178 Resp: 2755  
Ion Ratio Lower Upper  
178 100  
179 20.7 15.7 23.5  
176 24.9 18.9 28.3



#16  
Anthracene  
Concen: 0.312 ng/ul  
RT: 17.403 min Scan# 3179  
Delta R.T. 0.010 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:178 Resp: 2587  
Ion Ratio Lower Upper  
178 100  
179 22.9 17.3 25.9  
176 26.7 20.5 30.7

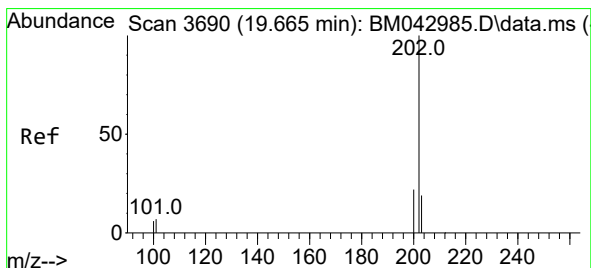
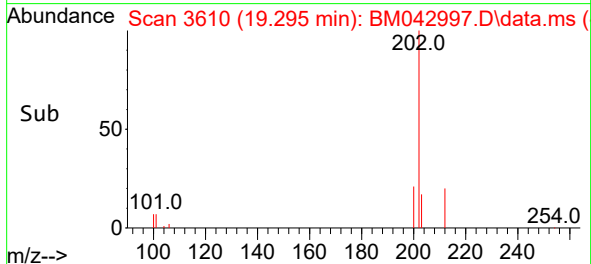
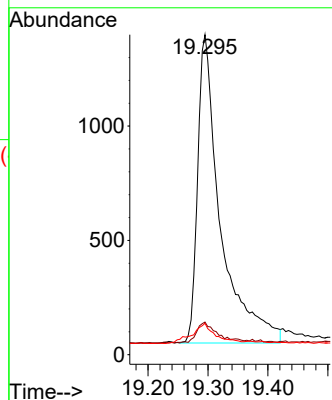
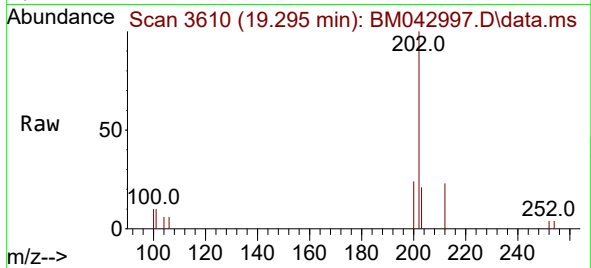




#19  
Fluoranthene  
Concen: 0.328 ng/ul  
RT: 19.295 min Scan# 3610  
Delta R.T. 0.001 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

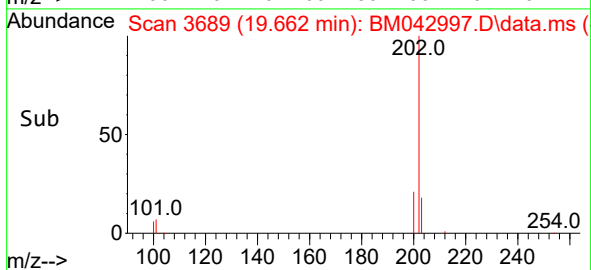
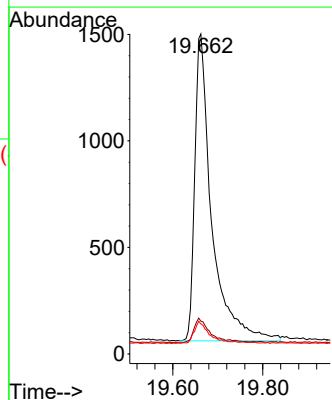
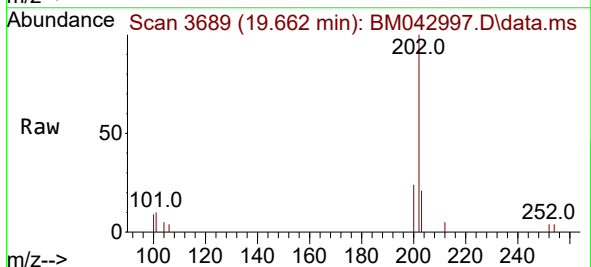
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

Tgt Ion:202 Resp: 3564  
Ion Ratio Lower Upper  
202 100  
101 10.2 7.8 11.8  
100 9.8 7.1 10.7

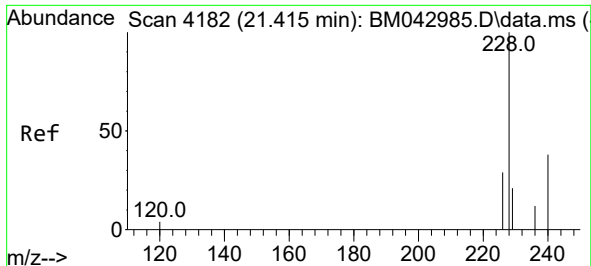


#20  
Pyrene  
Concen: 0.327 ng/ul  
RT: 19.662 min Scan# 3689  
Delta R.T. 0.001 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:202 Resp: 3782  
Ion Ratio Lower Upper  
202 100  
101 10.3 8.7 13.1  
100 9.4 7.8 11.8



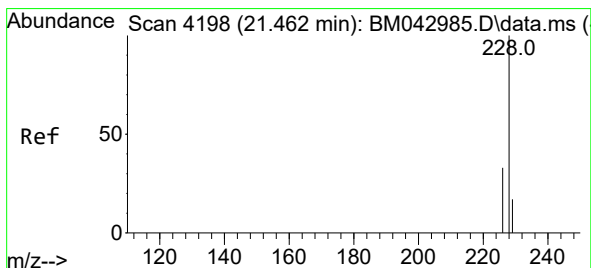
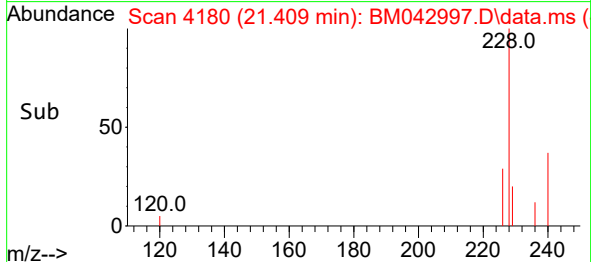
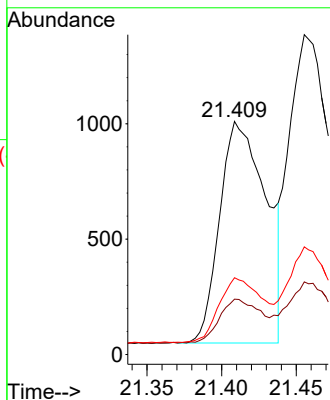
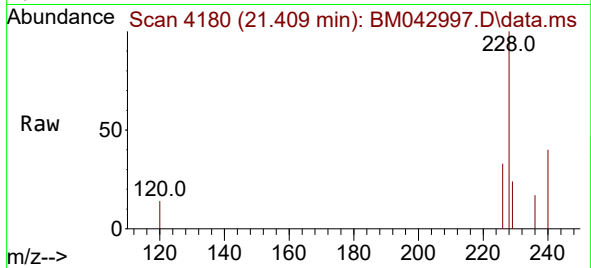




#21  
Benzo(a)anthracene  
Concen: 0.332 ng/ul  
RT: 21.409 min Scan# 4180  
Delta R.T. -0.003 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

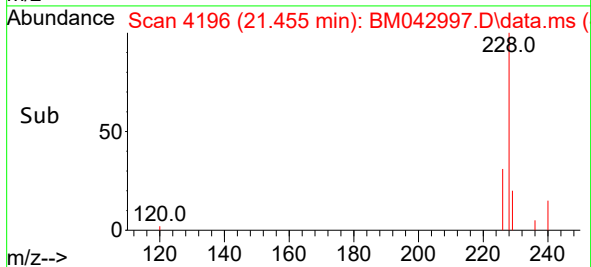
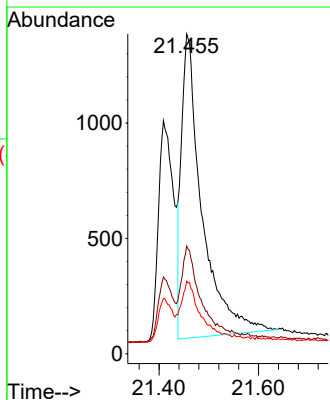
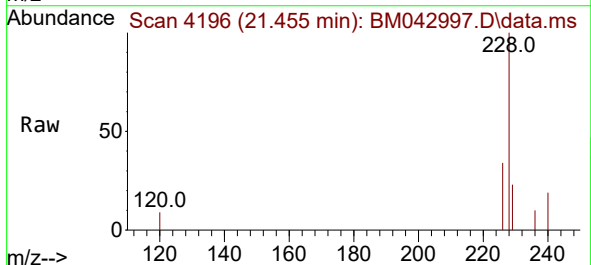
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

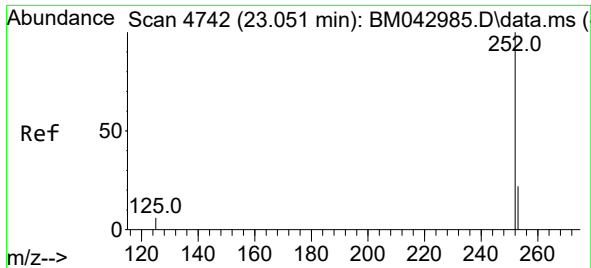
Tgt Ion:228 Resp: 2066  
Ion Ratio Lower Upper  
228 100  
229 23.8 19.4 29.0  
226 33.0 24.9 37.3



#22  
Chrysene  
Concen: 0.325 ng/ul  
RT: 21.455 min Scan# 4196  
Delta R.T. -0.003 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:228 Resp: 3763  
Ion Ratio Lower Upper  
228 100  
226 33.7 27.2 40.8  
229 22.7 18.0 27.0

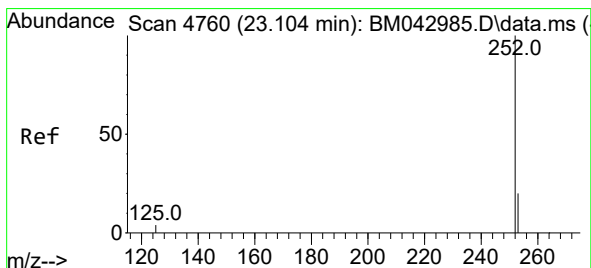
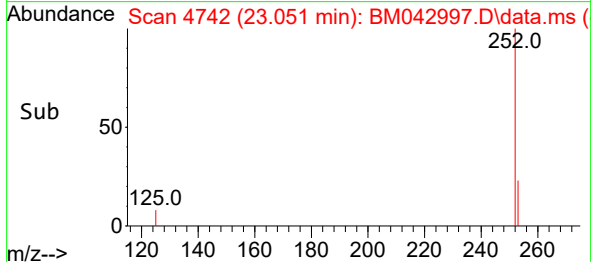
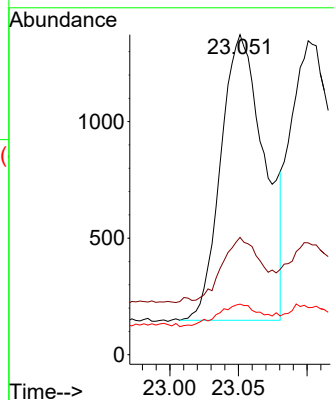
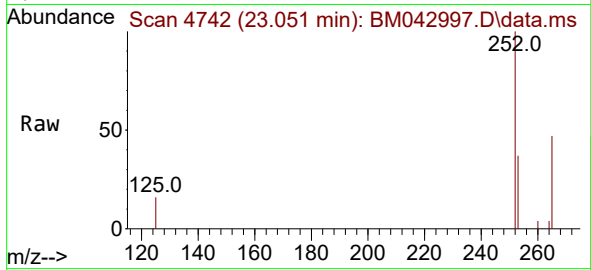




#24  
Benzo(b)fluoranthene  
Concen: 0.369 ng/ul  
RT: 23.051 min Scan# 4742  
Delta R.T. -0.000 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

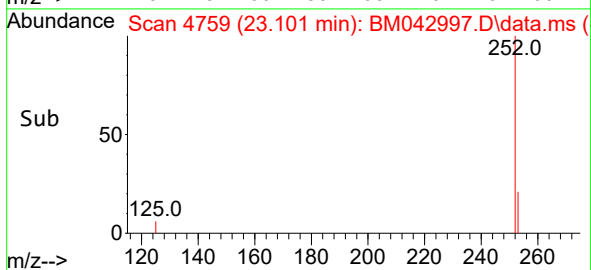
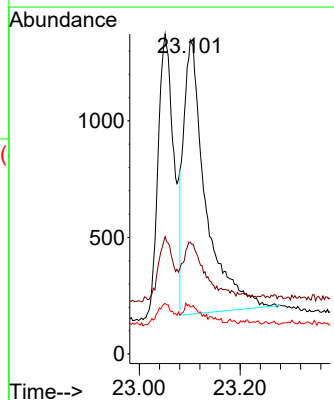
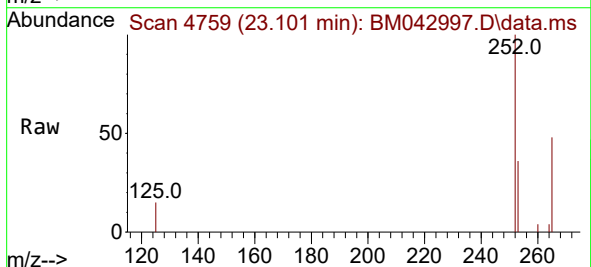
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

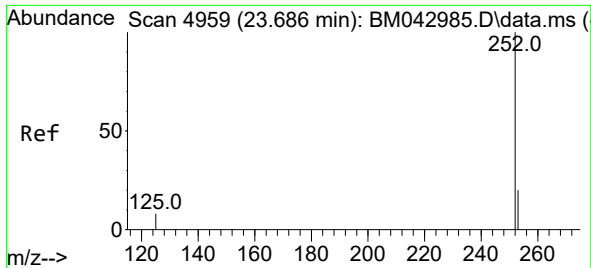
Tgt Ion:252 Resp: 2714  
Ion Ratio Lower Upper  
252 100  
253 36.6 0.0 71.8  
125 15.8 0.0 29.0



#25  
Benzo(k)fluoranthene  
Concen: 0.353 ng/ul  
RT: 23.101 min Scan# 4759  
Delta R.T. 0.003 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:252 Resp: 3578  
Ion Ratio Lower Upper  
252 100  
253 35.6 28.2 42.2  
125 15.0 11.0 16.6

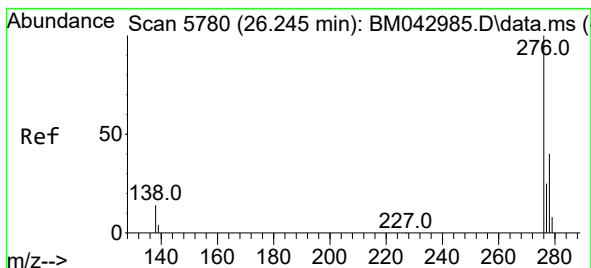
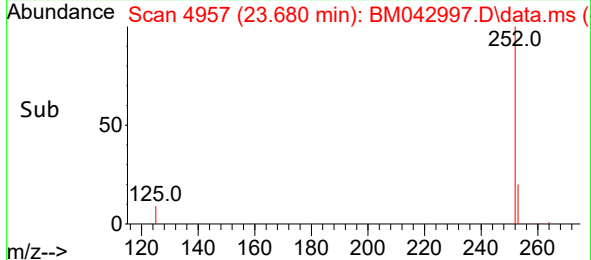
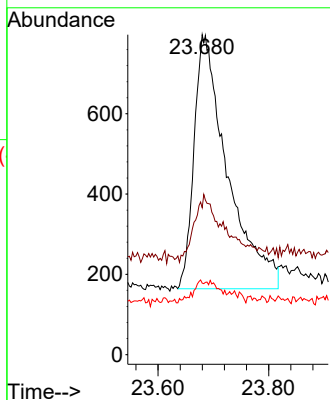
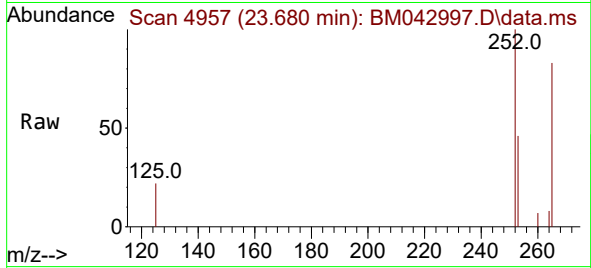




#26  
Benzo(a)pyrene  
Concen: 0.332 ng/ul  
RT: 23.680 min Scan# 4957  
Delta R.T. -0.006 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

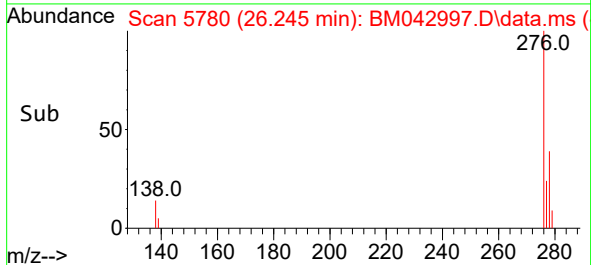
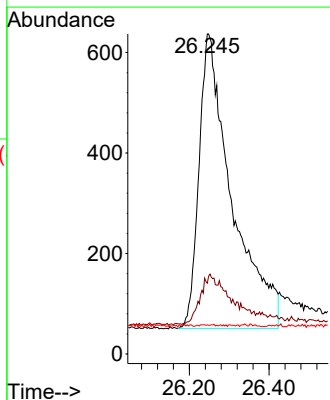
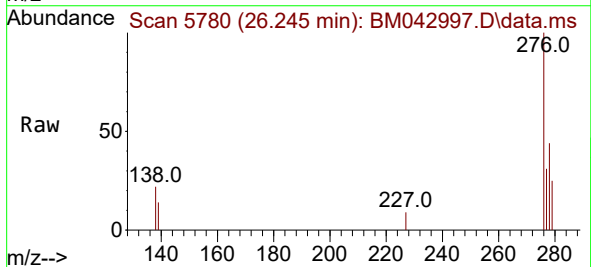
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS174

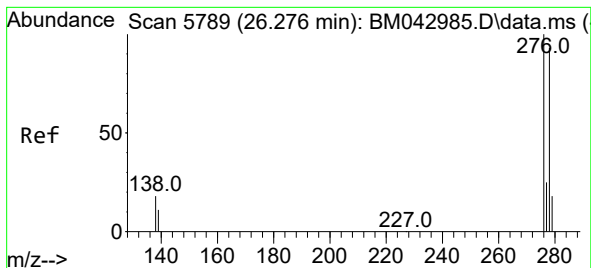
Tgt Ion:252 Resp: 2665  
Ion Ratio Lower Upper  
252 100  
253 45.9 36.6 55.0  
125 22.3 16.2 24.4



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.309 ng/ul  
RT: 26.245 min Scan# 5780  
Delta R.T. 0.006 min  
Lab File: BM042997.D  
Acq: 25 Nov 2023 02:23

Tgt Ion:276 Resp: 3350  
Ion Ratio Lower Upper  
276 100  
138 17.6 0.0 0.0#  
227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.307 ng/ul

RT: 26.279 min Scan# 5

Delta R.T. 0.003 min

Lab File: BM042997.D

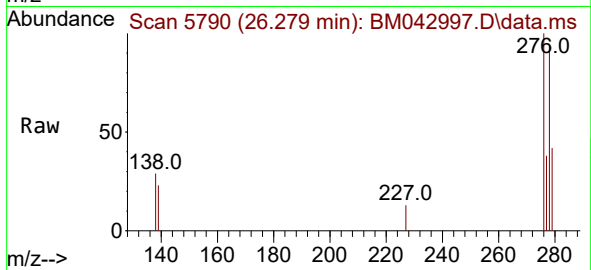
Acq: 25 Nov 2023 02:23

Instrument :

BNA\_M

ClientSampleId :

SLCS174



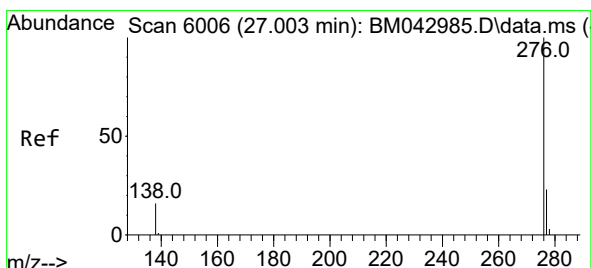
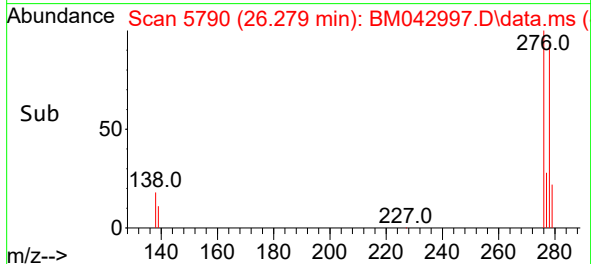
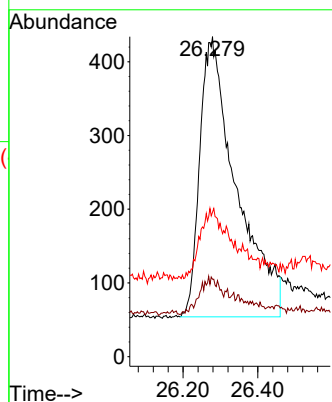
Tgt Ion:278 Resp: 2579

Ion Ratio Lower Upper

278 100

139 24.2 18.1 27.1

279 45.2 34.4 51.6



#29

Benzo(g,h,i)perylene

Concen: 0.306 ng/ul

RT: 27.013 min Scan# 6009

Delta R.T. 0.003 min

Lab File: BM042997.D

Acq: 25 Nov 2023 02:23

Tgt Ion:276 Resp: 3229

Ion Ratio Lower Upper

276 100

138 22.8 17.8 26.8

277 31.6 23.8 35.8

