

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111324\  
 Data File : BM048658.D  
 Acq On : 14 Nov 2024 05:57  
 Operator : RC/JU  
 Sample : PB164921BS  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS921

Quant Time: Nov 14 07:26:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM110624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 11:38:55 2024  
 Response via : Initial Calibration

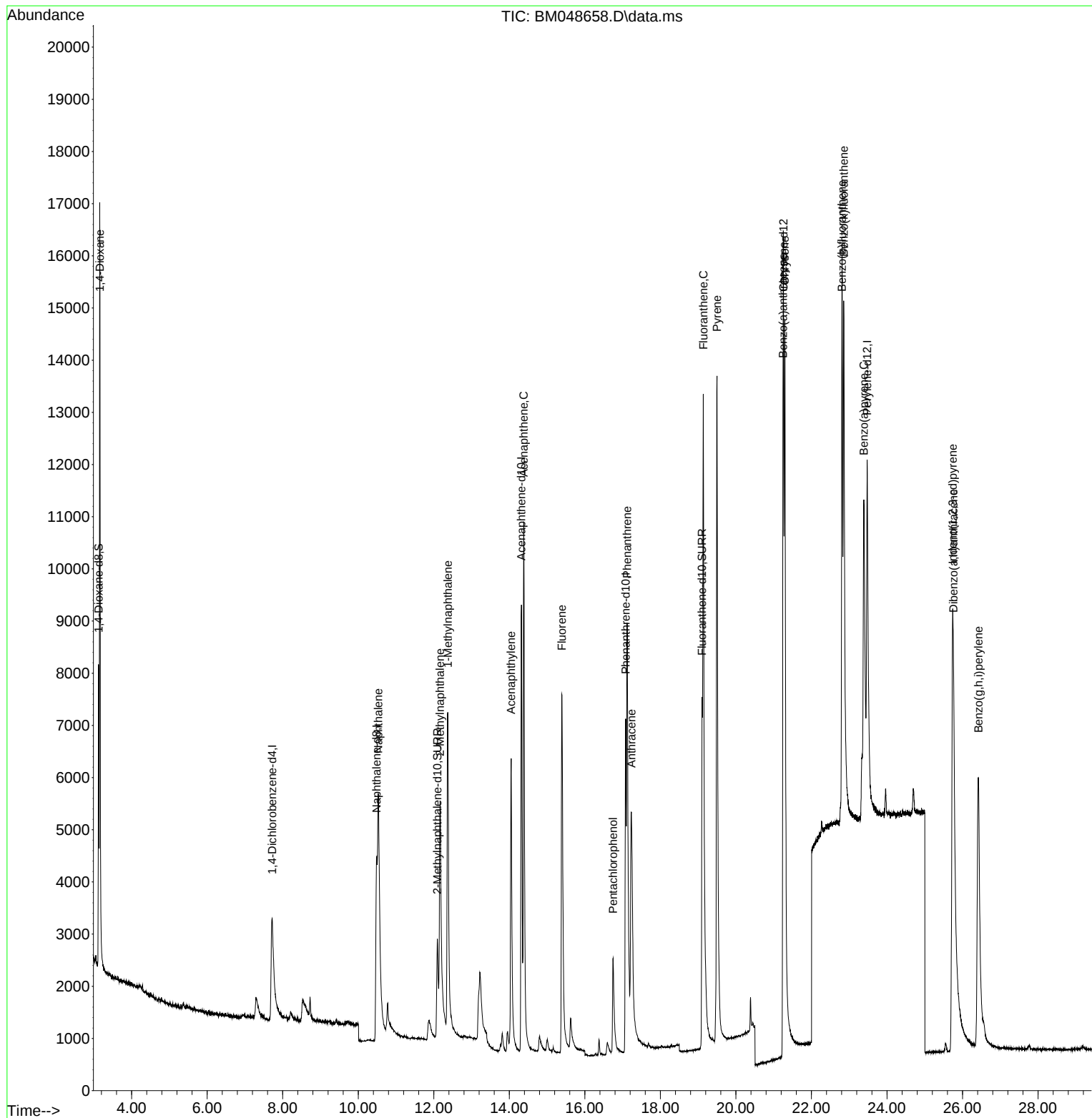
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.721  | 152  | 3531     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.484 | 136  | 11814    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.320 | 164  | 7109     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.081 | 188  | 14931    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.257 | 240  | 12161    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.476 | 264  | 12749    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.126  | 96   | 3686     | 0.865 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.096 | 152  | 5694     | 0.373 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.103 | 212  | 12896    | 0.378 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.155  | 88   | 9579     | 1.956 | ng/ul# | 63       |
| 5) Naphthalene              | 10.534 | 128  | 12004    | 0.406 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.167 | 142  | 6933     | 0.372 | ng/ul  | 94       |
| 8) 1-Methylnaphthalene      | 12.371 | 142  | 7731     | 0.405 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.047 | 152  | 10636    | 0.394 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.381 | 153  | 8429     | 0.390 | ng/ul  | 100      |
| 12) Fluorene                | 15.394 | 166  | 8980     | 0.383 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.747 | 266  | 2574     | 0.470 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.119 | 178  | 13247    | 0.338 | ng/ul  | 99       |
| 16) Anthracene              | 17.233 | 178  | 12117    | 0.332 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.136 | 202  | 17183    | 0.382 | ng/ul  | 98       |
| 20) Pyrene                  | 19.498 | 202  | 18537    | 0.379 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.246 | 228  | 13328    | 0.335 | ng/ul  | 100      |
| 22) Chrysene                | 21.295 | 228  | 20238    | 0.424 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.809 | 252  | 16416    | 0.413 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 22.853 | 252  | 20133    | 0.432 | ng/ul  | 94       |
| 26) Benzo(a)pyrene          | 23.388 | 252  | 15443    | 0.398 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.739 | 276  | 19833    | 0.366 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.759 | 278  | 14924    | 0.354 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.420 | 276  | 17324    | 0.381 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

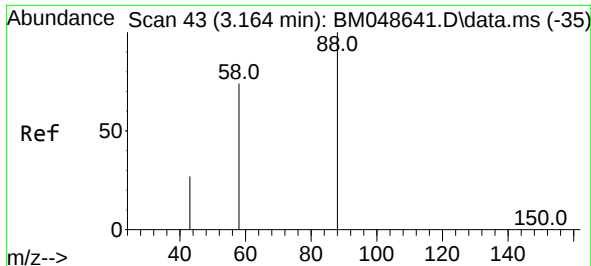
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111324\  
Data File : BM048658.D  
Acq On : 14 Nov 2024 05:57  
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Sample : PB164921BS  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Nov 14 07:26:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM110624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 13 11:38:55 2024  
Response via : Initial Calibration

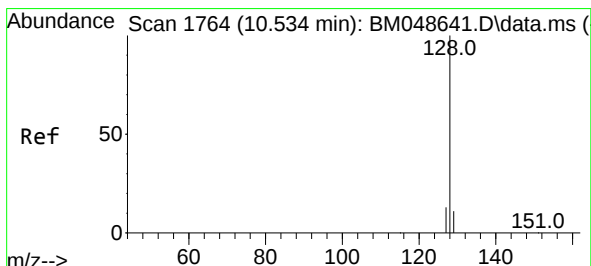
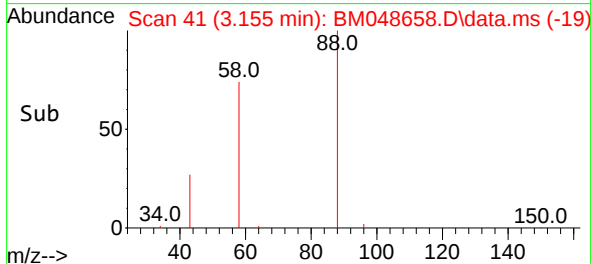
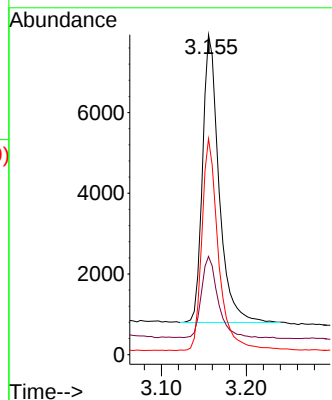
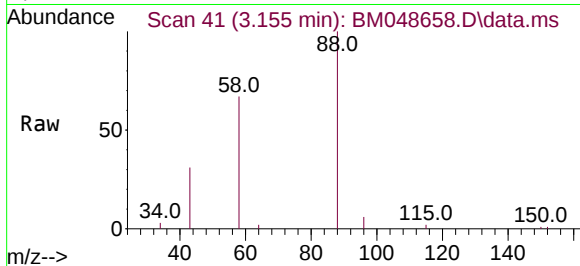




#2  
1,4-Dioxane  
Concen: 1.956 ng/ul  
RT: 3.155 min Scan# 41  
Delta R.T. -0.008 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

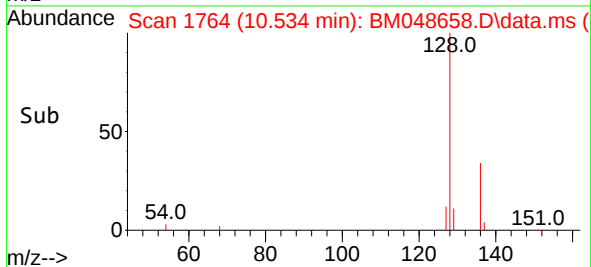
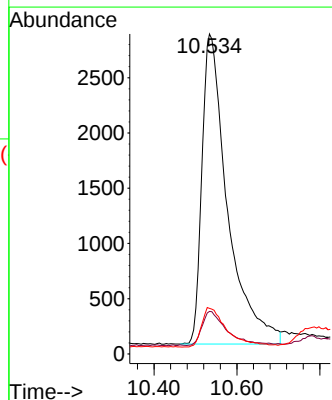
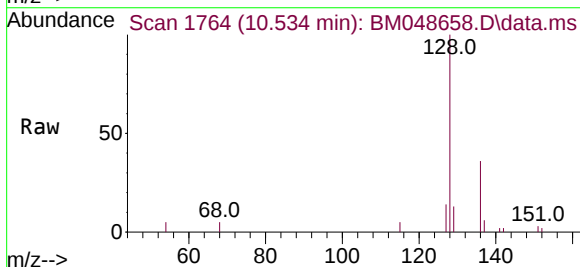
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

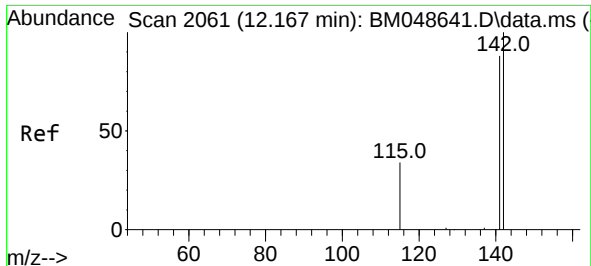
Tgt Ion: 88 Resp: 9579  
Ion Ratio Lower Upper  
88 100  
43 30.7 60.2 90.4#  
58 67.5 44.2 66.2#



#5  
Naphthalene  
Concen: 0.406 ng/ul  
RT: 10.534 min Scan# 1764  
Delta R.T. -0.012 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion: 128 Resp: 12004  
Ion Ratio Lower Upper  
128 100  
129 13.3 10.0 15.0  
127 14.2 10.9 16.3

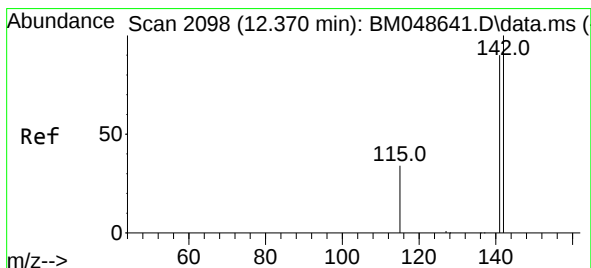
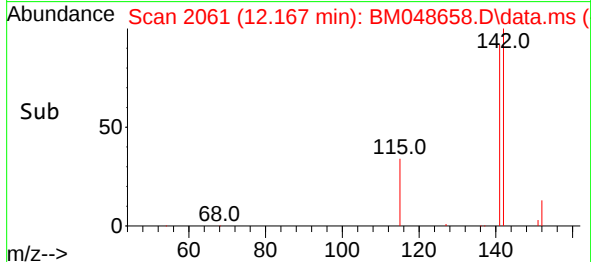
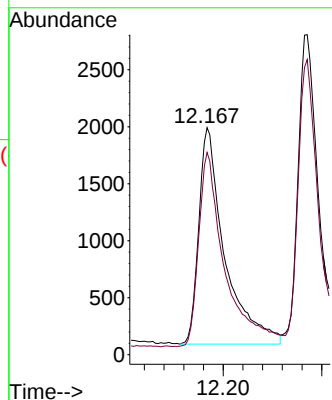
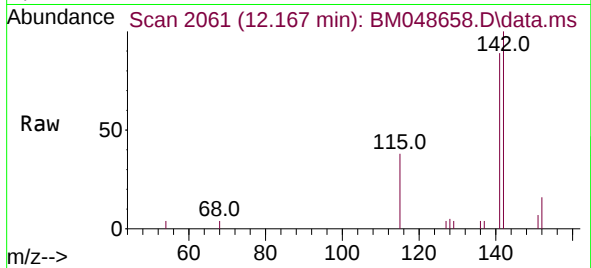




#7  
2-Methylnaphthalene  
Concen: 0.372 ng/ul  
RT: 12.167 min Scan# 2061  
Delta R.T. -0.012 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

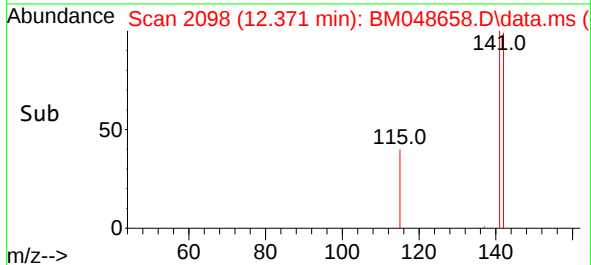
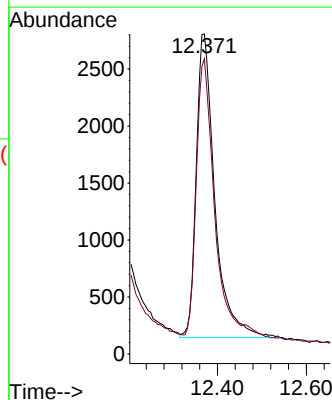
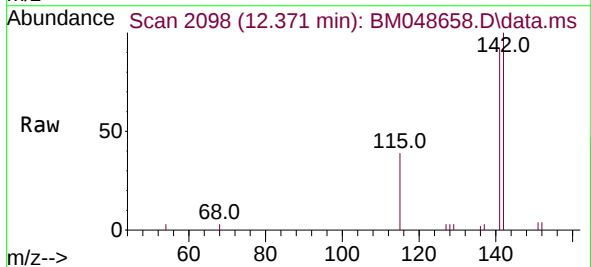
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

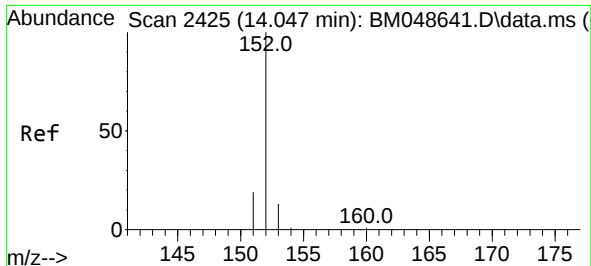
Tgt Ion:142 Resp: 6933  
Ion Ratio Lower Upper  
142 100  
141 90.9 68.6 103.0



#8  
1-Methylnaphthalene  
Concen: 0.405 ng/ul  
RT: 12.371 min Scan# 2098  
Delta R.T. -0.007 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:142 Resp: 7731  
Ion Ratio Lower Upper  
142 100  
141 91.2 72.8 109.2

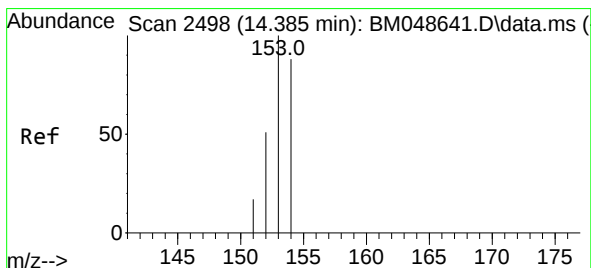
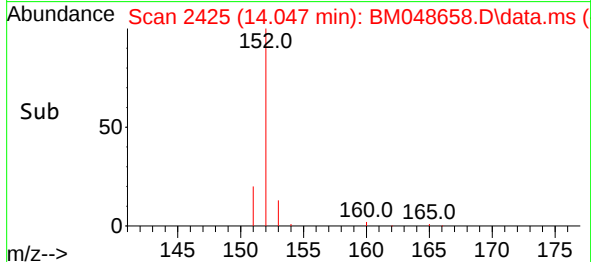
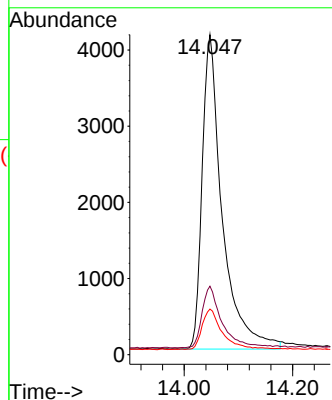
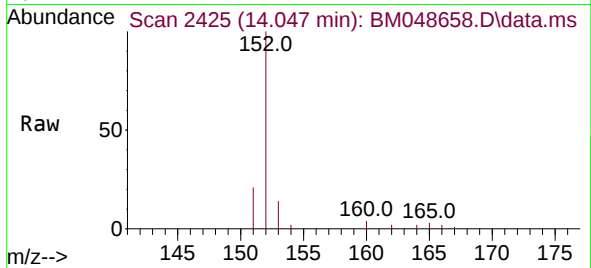




#10  
Acenaphthylene  
Concen: 0.394 ng/ul  
RT: 14.047 min Scan# 2425  
Delta R.T. -0.006 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

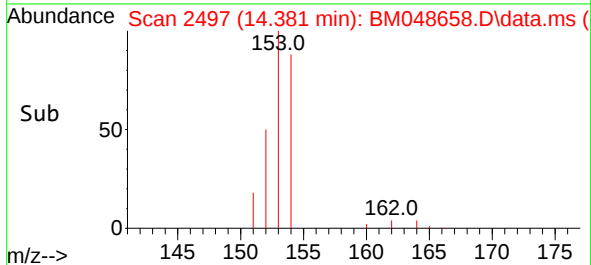
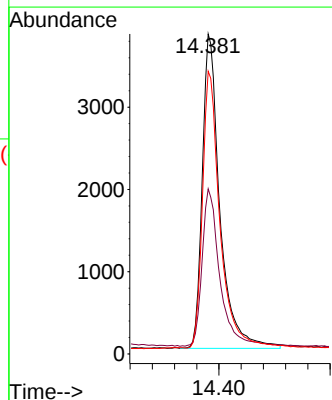
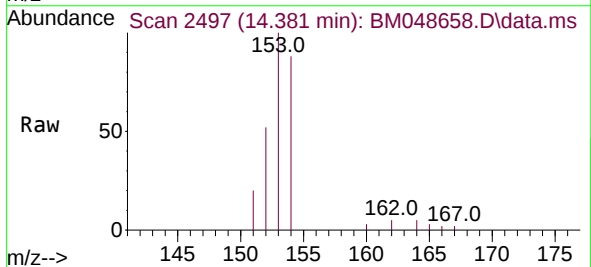
Instrument :  
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ClientSampleId :  
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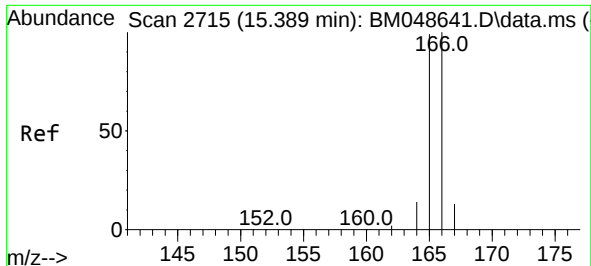
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.4  | 16.5  | 24.7  |
| 153     | 14.2  | 11.6  | 17.4  |



#11  
Acenaphthene  
Concen: 0.390 ng/ul  
RT: 14.381 min Scan# 2497  
Delta R.T. -0.006 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 51.6  | 41.1  | 61.7  |
| 154     | 88.4  | 70.3  | 105.5 |

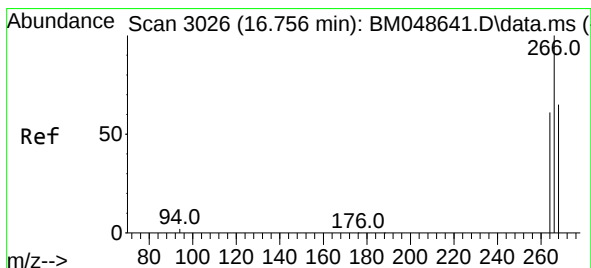
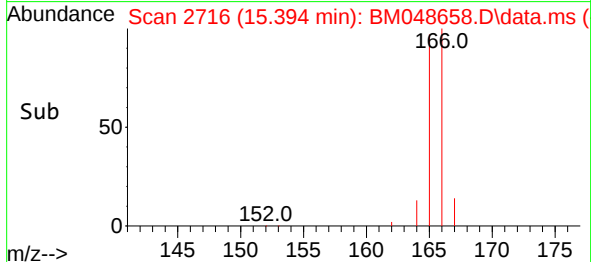
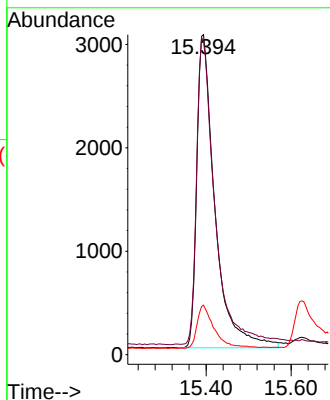
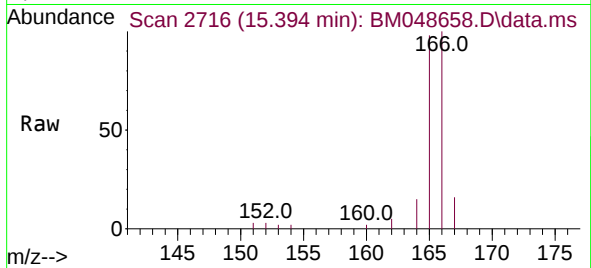




#12  
Fluorene  
Concen: 0.383 ng/ul  
RT: 15.394 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

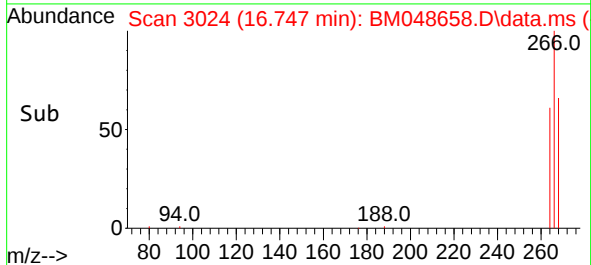
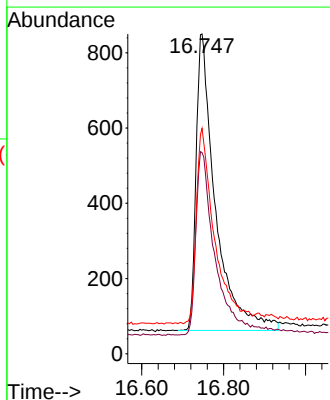
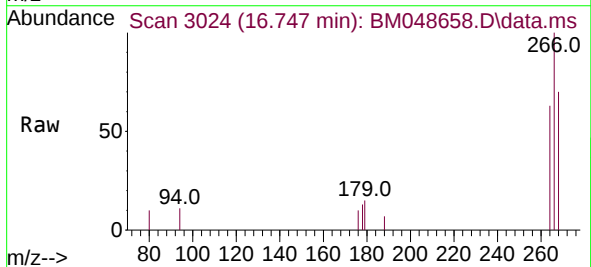
Instrument :  
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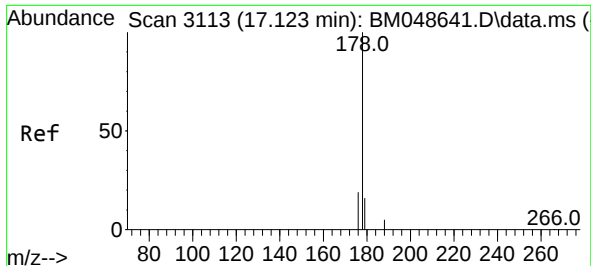
Tgt Ion:166 Resp: 8980  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.7 118.1  
167 15.5 12.6 18.8



#14  
Pentachlorophenol  
Concen: 0.470 ng/ul  
RT: 16.747 min Scan# 3024  
Delta R.T. -0.014 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:266 Resp: 2574  
Ion Ratio Lower Upper  
266 100  
264 63.0 49.6 74.4  
268 62.6 49.4 74.0

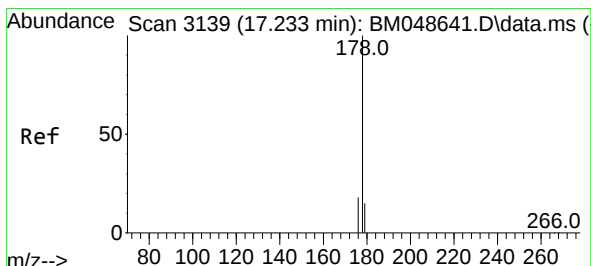
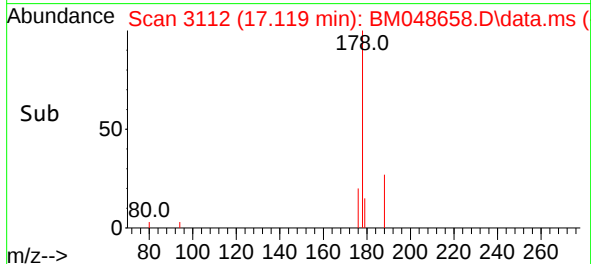
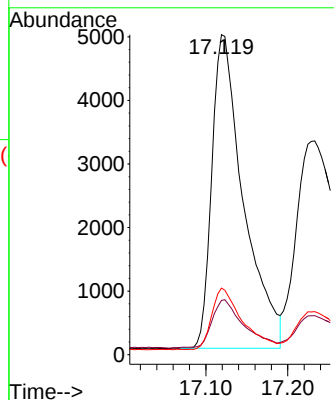
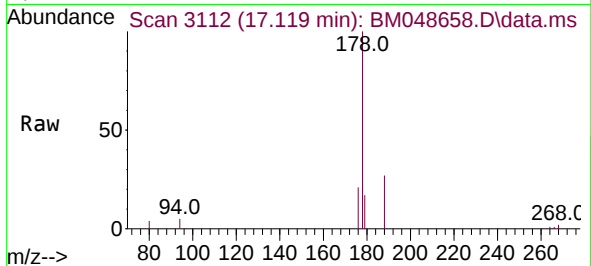




#15  
Phenanthrene  
Concen: 0.338 ng/u1  
RT: 17.119 min Scan# 3112  
Delta R.T. -0.010 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

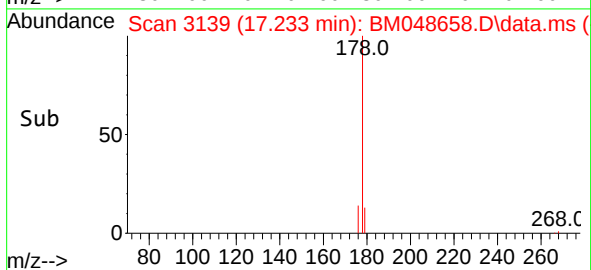
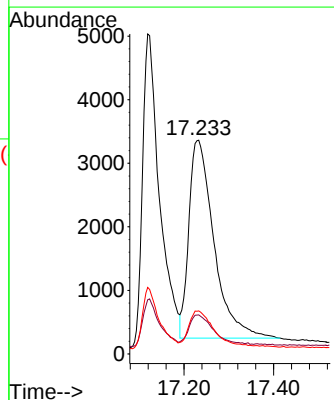
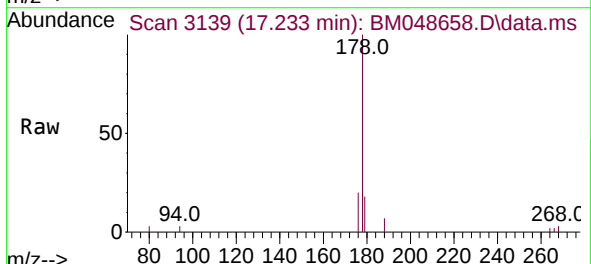
Instrument :  
BNA\_M  
ClientSampleId :  
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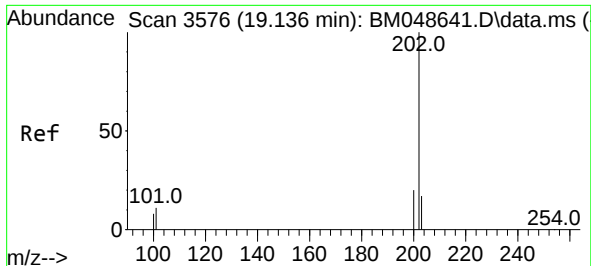
Tgt Ion:178 Resp: 13247  
Ion Ratio Lower Upper  
178 100  
179 17.0 13.4 20.0  
176 20.8 16.2 24.2



#16  
Anthracene  
Concen: 0.332 ng/u1  
RT: 17.233 min Scan# 3139  
Delta R.T. -0.006 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:178 Resp: 12117  
Ion Ratio Lower Upper  
178 100  
179 18.2 13.7 20.5  
176 20.1 15.9 23.9

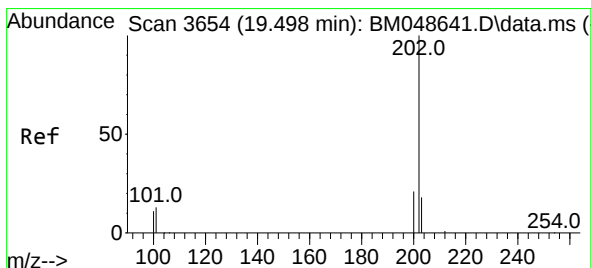
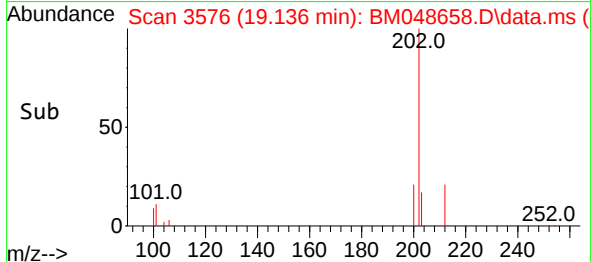
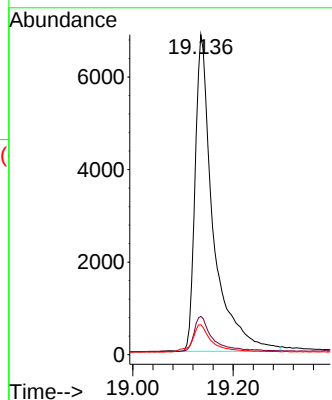
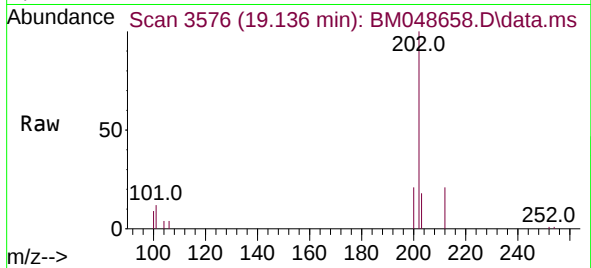




#19  
Fluoranthene  
Concen: 0.382 ng/u1  
RT: 19.136 min Scan# 3576  
Delta R.T. -0.006 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

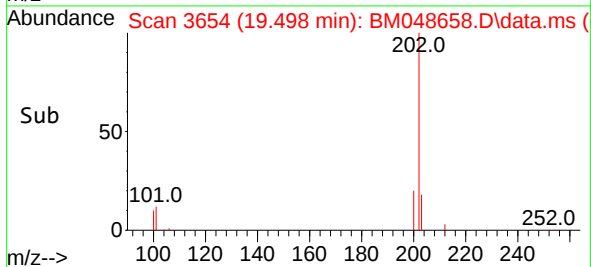
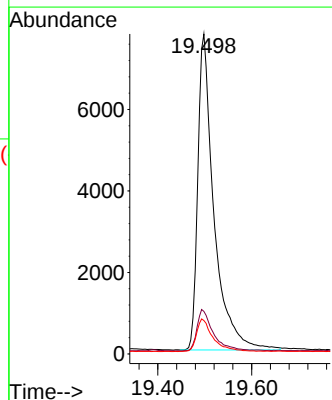
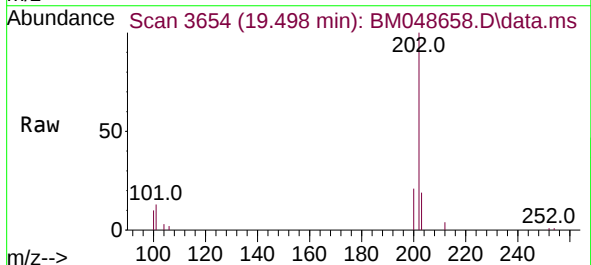
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

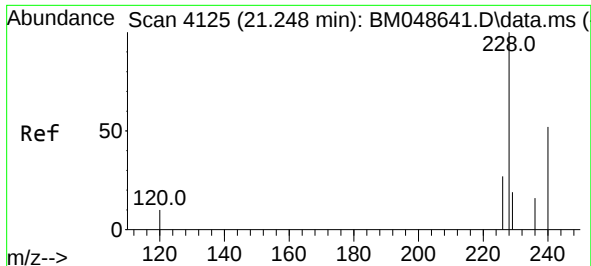
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Ion Ratio Lower Upper  
202 100  
101 12.0 10.2 15.4  
100 9.3 7.3 10.9



#20  
Pyrene  
Concen: 0.379 ng/u1  
RT: 19.498 min Scan# 3654  
Delta R.T. -0.006 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:202 Resp: 18537  
Ion Ratio Lower Upper  
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101 13.3 11.4 17.2  
100 10.5 8.5 12.7

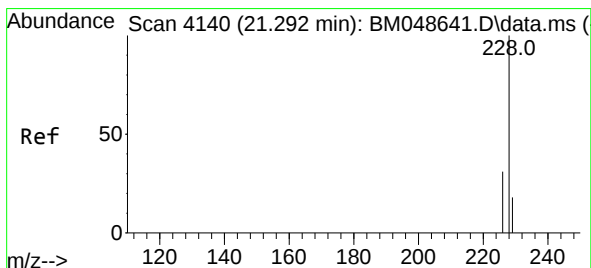
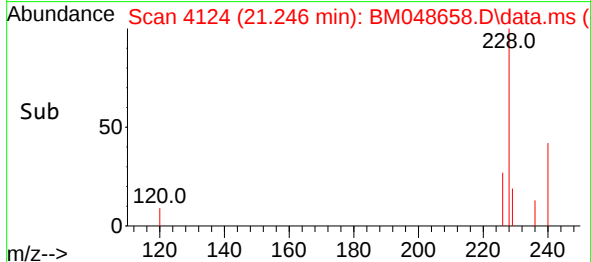
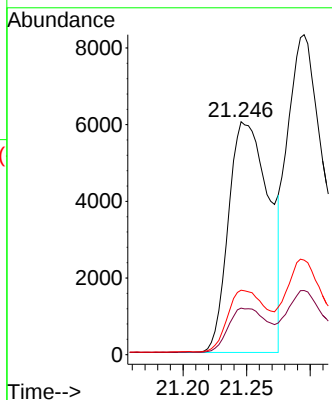
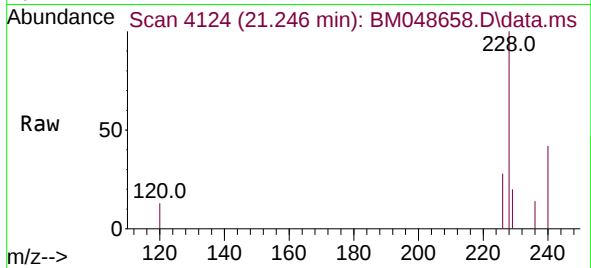




#21  
Benzo(a)anthracene  
Concen: 0.335 ng/ul  
RT: 21.246 min Scan# 4124  
Delta R.T. -0.008 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

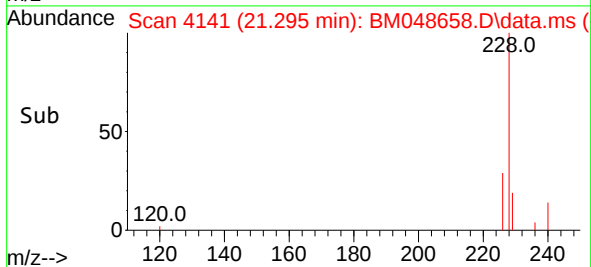
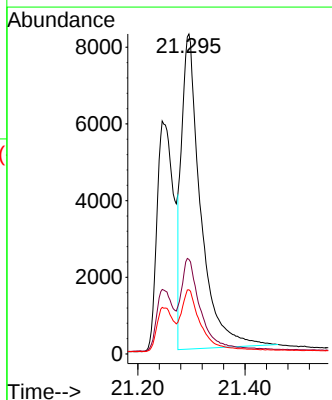
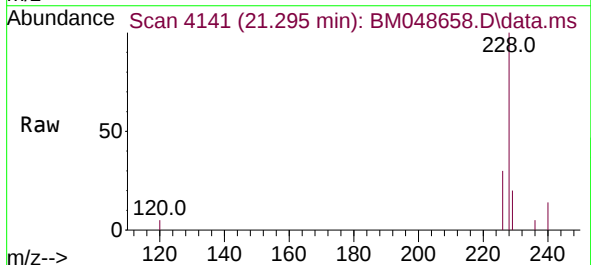
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

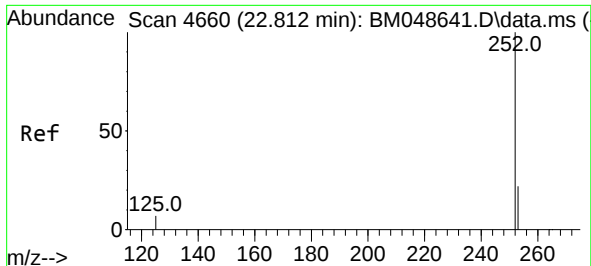
Tgt Ion:228 Resp: 13328  
Ion Ratio Lower Upper  
228 100  
229 20.0 16.2 24.2  
226 27.7 22.1 33.1



#22  
Chrysene  
Concen: 0.424 ng/ul  
RT: 21.295 min Scan# 4141  
Delta R.T. -0.003 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

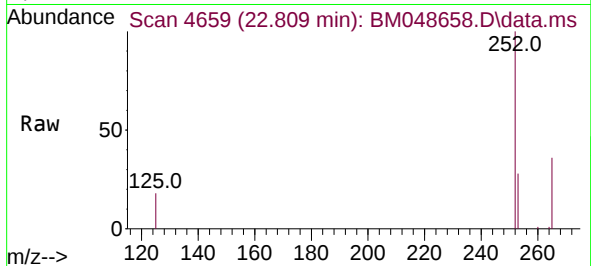
Tgt Ion:228 Resp: 20238  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.4 36.6  
229 20.1 16.5 24.7



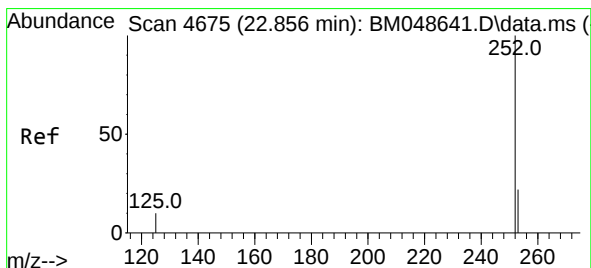
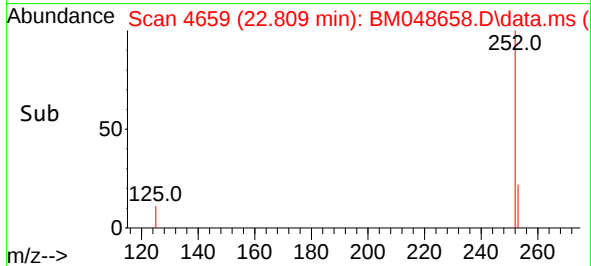
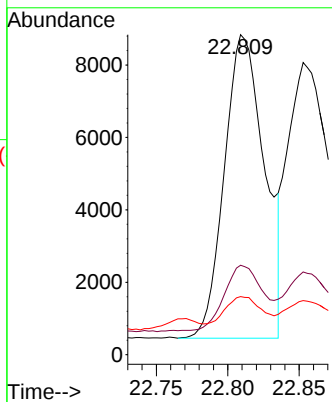


#24  
Benzo(b)fluoranthene  
Concen: 0.413 ng/ul  
RT: 22.809 min Scan# 4659  
Delta R.T. -0.005 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

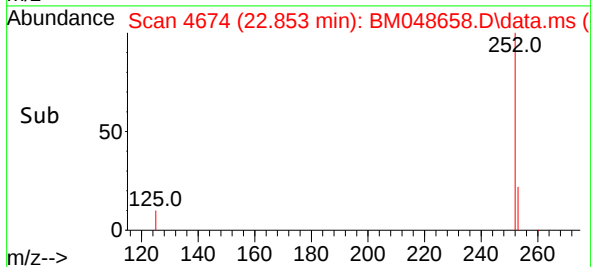
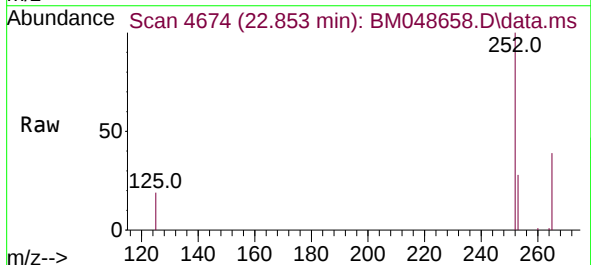
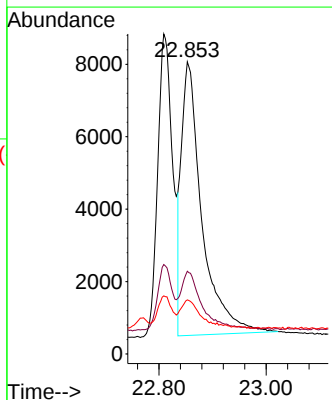


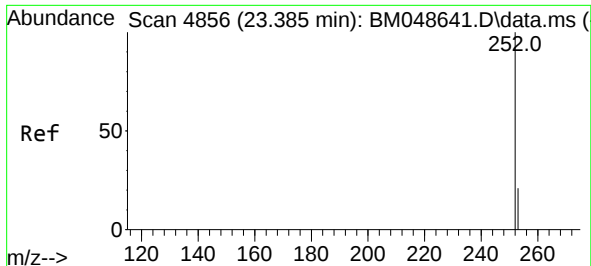
Tgt Ion:252 Resp: 16416  
Ion Ratio Lower Upper  
252 100  
253 28.0 0.0 61.6  
125 18.2 0.0 43.2



#25  
Benzo(k)fluoranthene  
Concen: 0.432 ng/ul  
RT: 22.853 min Scan# 4674  
Delta R.T. -0.005 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:252 Resp: 20133  
Ion Ratio Lower Upper  
252 100  
253 28.3 25.0 37.4  
125 18.5 17.4 26.0

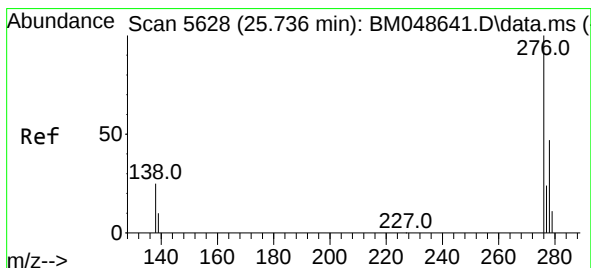
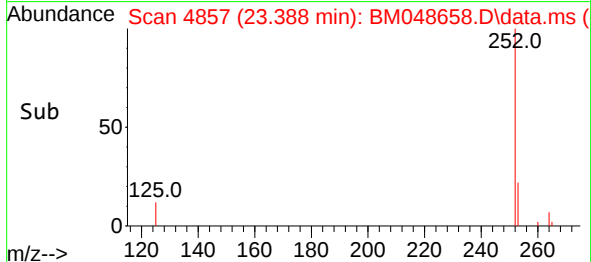
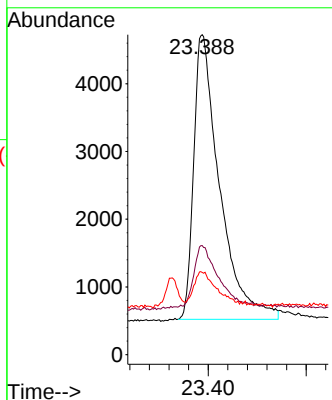
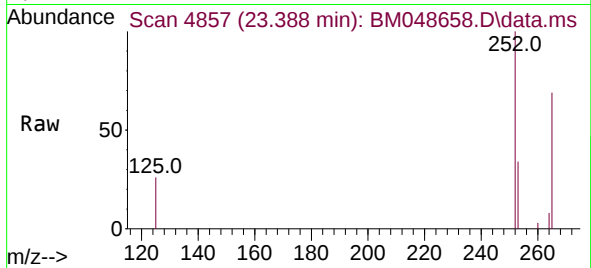




#26  
Benzo(a)pyrene  
Concen: 0.398 ng/ul  
RT: 23.388 min Scan# 4857  
Delta R.T. -0.005 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

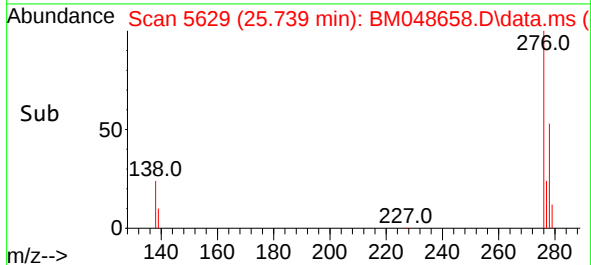
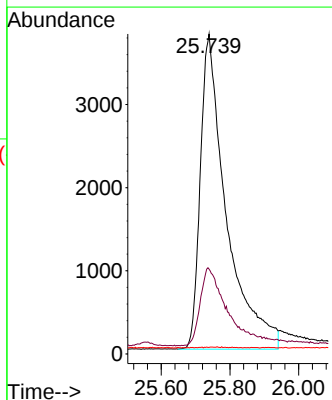
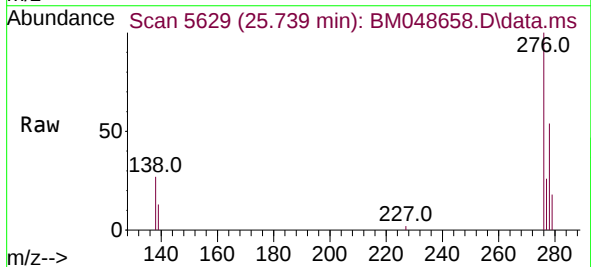
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

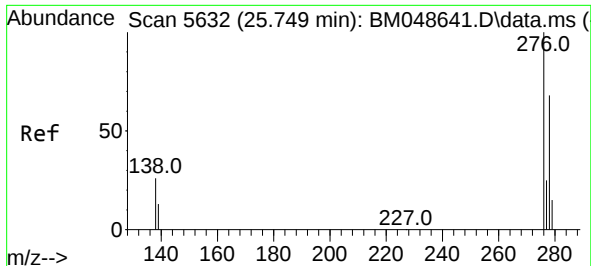
Tgt Ion:252 Resp: 15443  
Ion Ratio Lower Upper  
252 100  
253 34.1 29.6 44.4  
125 25.7 23.9 35.9



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.366 ng/ul  
RT: 25.739 min Scan# 5629  
Delta R.T. 0.000 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:276 Resp: 19833  
Ion Ratio Lower Upper  
276 100  
138 26.5 20.1 30.1  
227 0.0 0.1 0.1#

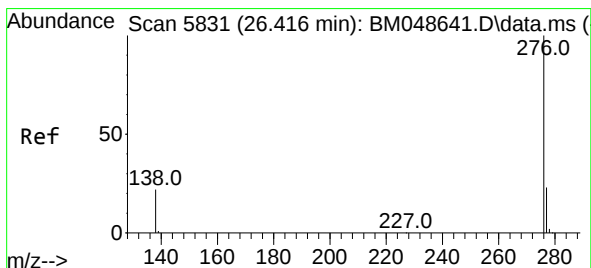
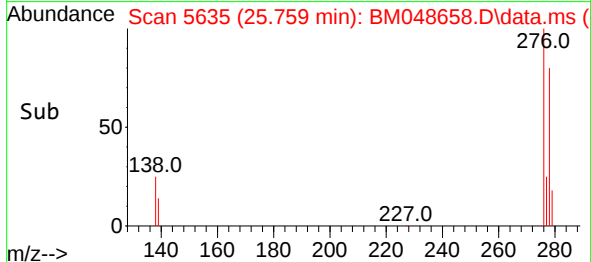
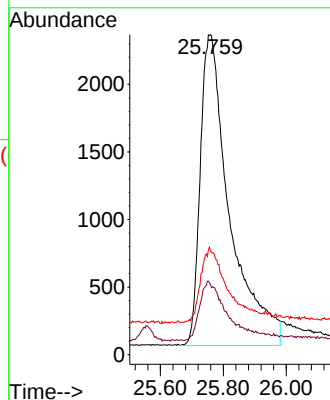
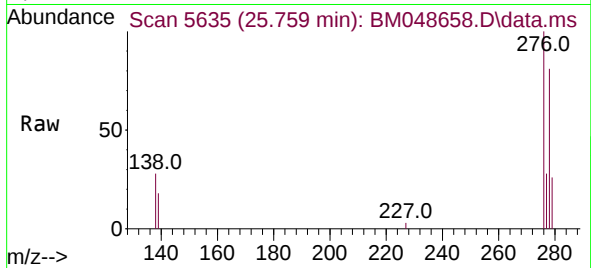




#28  
Dibenzo(a,h)anthracene  
Concen: 0.354 ng/ul  
RT: 25.759 min Scan# 5632  
Delta R.T. 0.000 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS921

Tgt Ion:278 Resp: 14924  
Ion Ratio Lower Upper  
278 100  
139 21.7 17.8 26.8  
279 32.2 26.6 39.8



#29  
Benzo(g,h,i)perylene  
Concen: 0.381 ng/ul  
RT: 26.420 min Scan# 5832  
Delta R.T. 0.000 min  
Lab File: BM048658.D  
Acq: 14 Nov 2024 05:57

Tgt Ion:276 Resp: 17324  
Ion Ratio Lower Upper  
276 100  
138 26.4 21.0 31.6  
277 24.9 20.5 30.7

