

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121024\  
 Data File : BM048925.D  
 Acq On : 10 Dec 2024 16:09  
 Operator : RC/JU  
 Sample : PB165458BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS458

Quant Time: Dec 10 17:08:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 09 17:52:26 2024  
 Response via : Initial Calibration

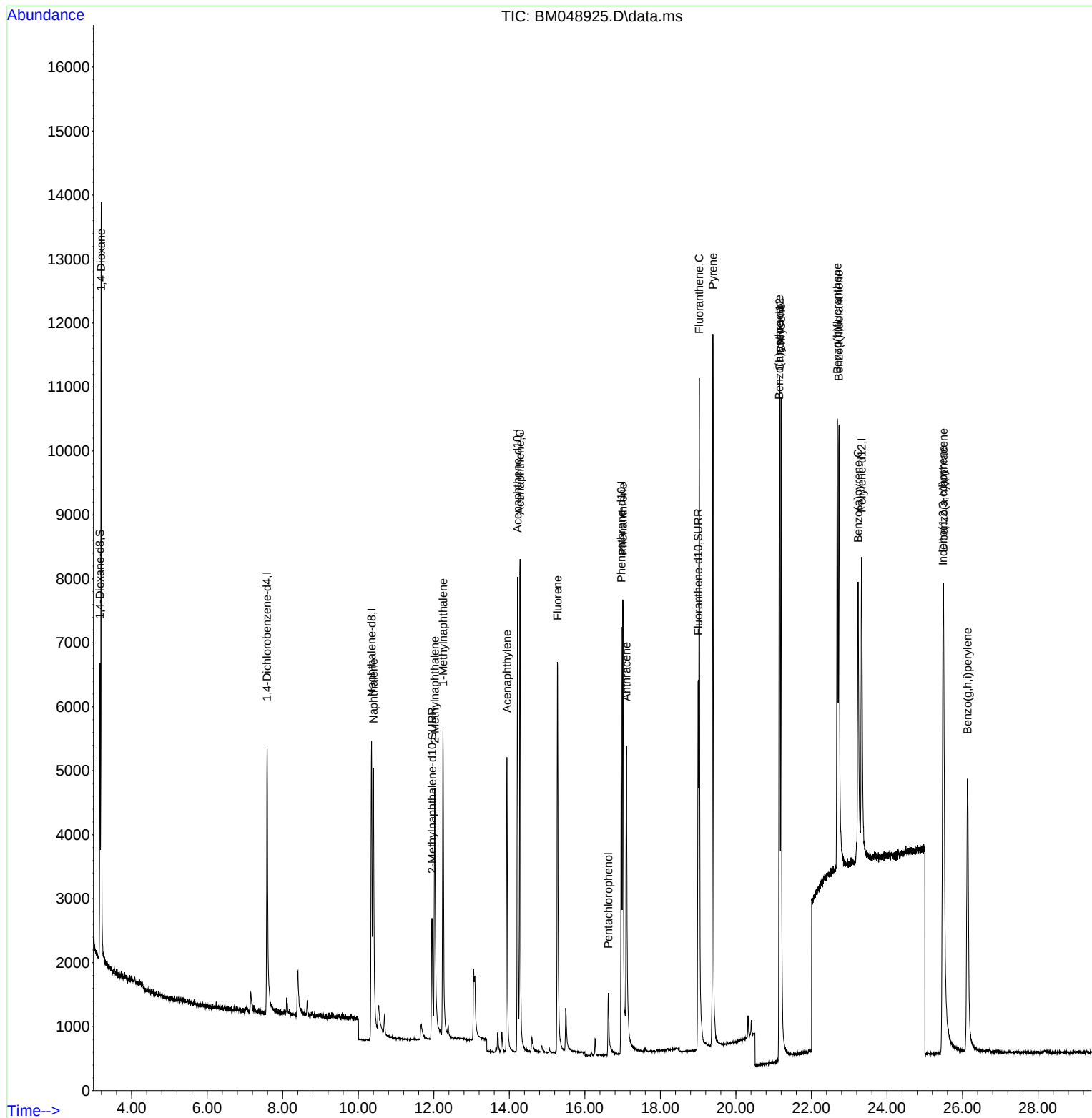
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.586  | 152  | 3096     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.352 | 136  | 8306     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.219 | 164  | 4528     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.967 | 188  | 9306     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.161 | 240  | 7336     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.329 | 264  | 7554     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.160  | 96   | 2515     | 0.695 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.953 | 152  | 3774     | 0.356 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.001 | 212  | 7928     | 0.362 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.193  | 88   | 7336     | 1.752 | ng/ul# | 81       |
| 5) Naphthalene              | 10.402 | 128  | 7312     | 0.343 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.024 | 142  | 4250     | 0.327 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.244 | 142  | 4423     | 0.334 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.936 | 152  | 6360     | 0.333 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.283 | 153  | 4899     | 0.338 | ng/ul  | 98       |
| 12) Fluorene                | 15.278 | 166  | 5479     | 0.341 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.621 | 266  | 1081     | 0.564 | ng/ul  | 94       |
| 15) Phenanthrene            | 17.005 | 178  | 8658     | 0.339 | ng/ul  | 98       |
| 16) Anthracene              | 17.102 | 178  | 7531     | 0.331 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.029 | 202  | 10259    | 0.337 | ng/ul  | 99       |
| 20) Pyrene                  | 19.391 | 202  | 10679    | 0.326 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.146 | 228  | 8156     | 0.316 | ng/ul  | 99       |
| 22) Chrysene                | 21.196 | 228  | 10821    | 0.370 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.683 | 252  | 9379     | 0.359 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 22.727 | 252  | 11103    | 0.368 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.233 | 252  | 8073     | 0.334 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.484 | 276  | 11746    | 0.346 | ng/ul  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.497 | 278  | 8924     | 0.338 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 26.135 | 276  | 10068    | 0.369 | ng/ul  | 98       |

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

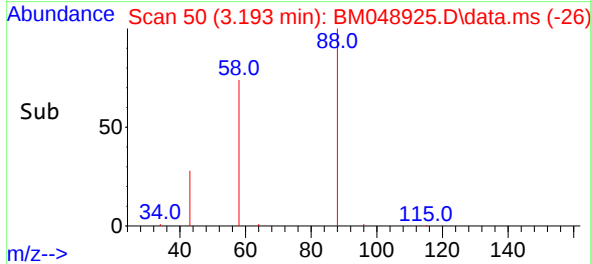
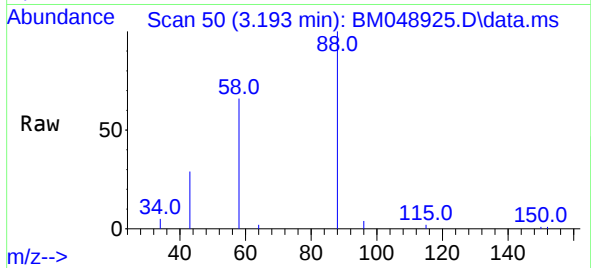
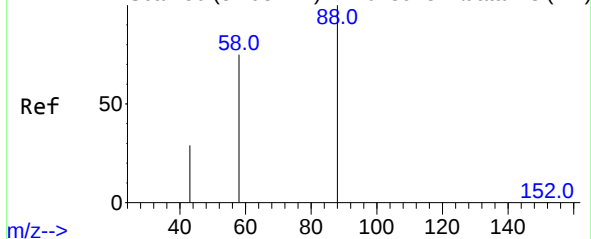
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Data File : BM048925.D  
Acq On : 10 Dec 2024 16:09  
Operator : RC/JU  
Sample : PB165458BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Dec 10 17:08:11 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 09 17:52:26 2024  
Response via : Initial Calibration



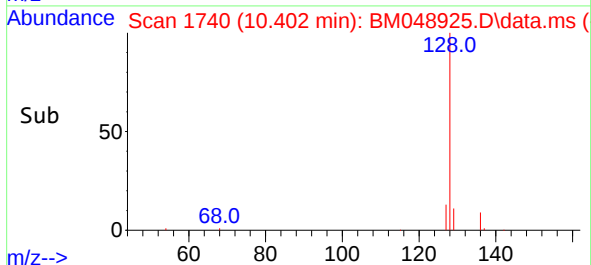
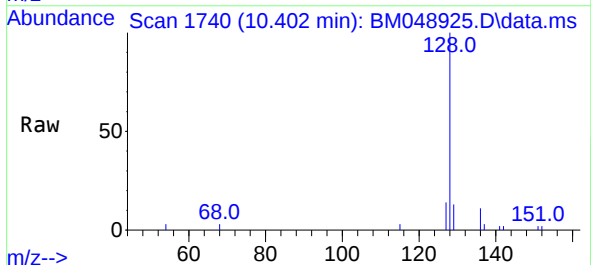
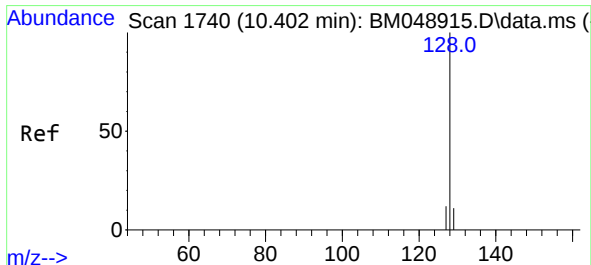
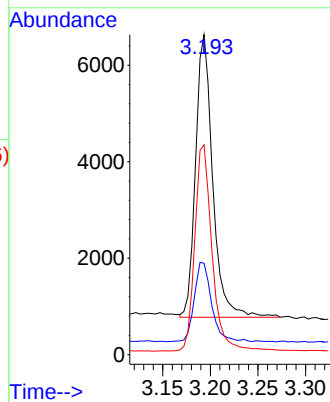
Abundance Scan 50 (3.193 min): BM048915.D\data.ms (-44)



#2  
1,4-Dioxane  
Concen: 1.752 ng/ul  
RT: 3.193 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

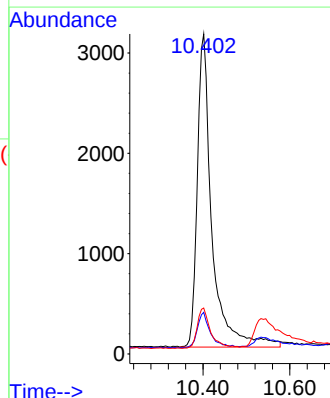
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

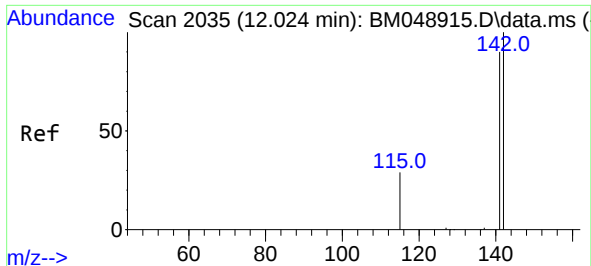
|             |                 |
|-------------|-----------------|
| Tgt Ion: 88 | Resp: 7336      |
| Ion Ratio   | Lower Upper     |
| 88          | 100             |
| 43          | 28.5 32.3 48.5# |
| 58          | 65.6 42.0 63.0# |



#5  
Naphthalene  
Concen: 0.343 ng/ul  
RT: 10.402 min Scan# 1740  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|              |                |
|--------------|----------------|
| Tgt Ion: 128 | Resp: 7312     |
| Ion Ratio    | Lower Upper    |
| 128          | 100            |
| 129          | 13.0 9.4 14.2  |
| 127          | 14.4 10.6 16.0 |

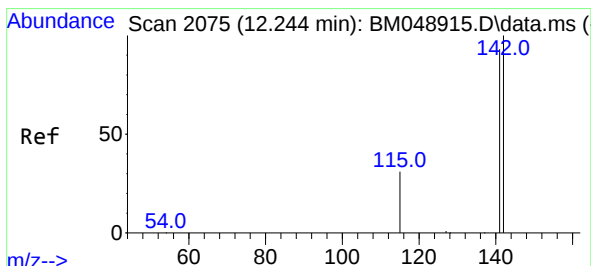
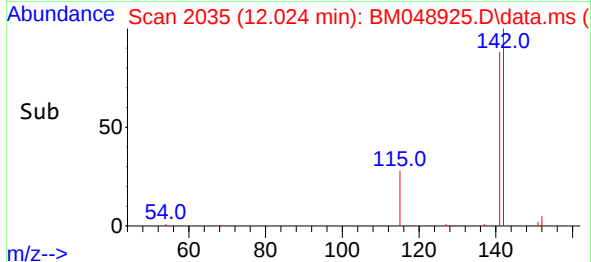
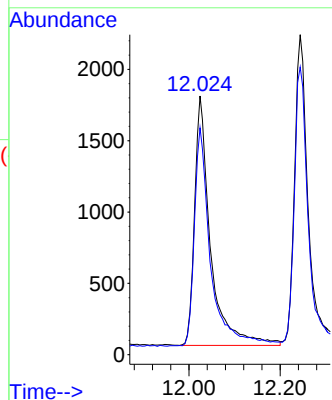
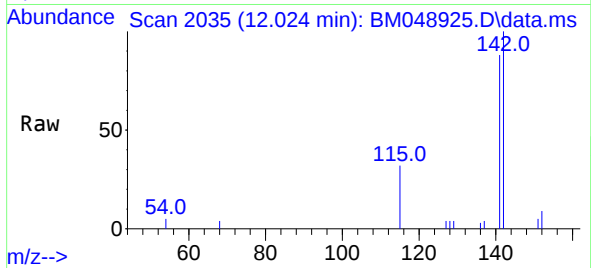




#7  
2-Methylnaphthalene  
Concen: 0.327 ng/ul  
RT: 12.024 min Scan# 2035  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

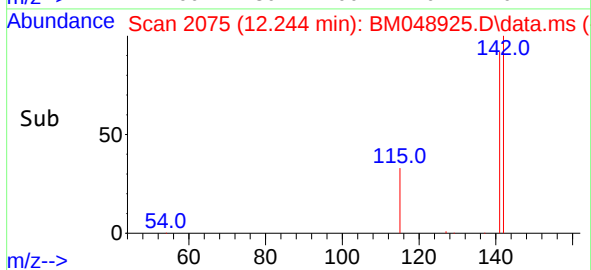
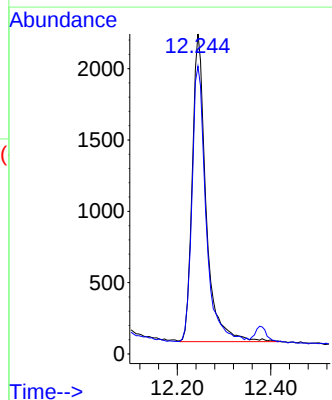
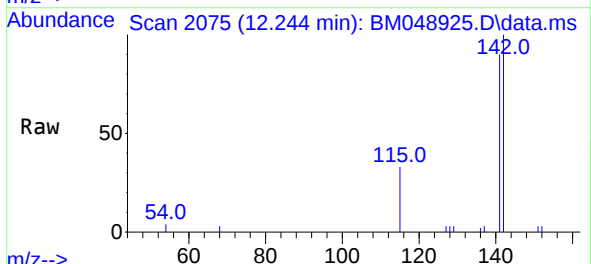
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

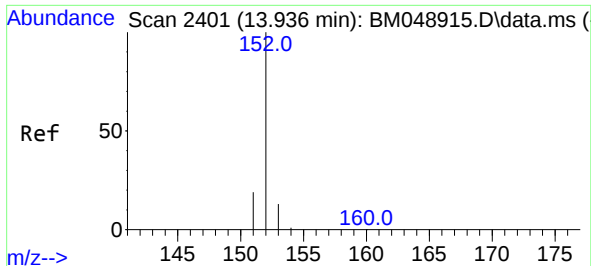
Tgt Ion:142 Resp: 4250  
Ion Ratio Lower Upper  
142 100  
141 89.8 71.2 106.8



#8  
1-Methylnaphthalene  
Concen: 0.334 ng/ul  
RT: 12.244 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

Tgt Ion:142 Resp: 4423  
Ion Ratio Lower Upper  
142 100  
141 90.8 72.8 109.2

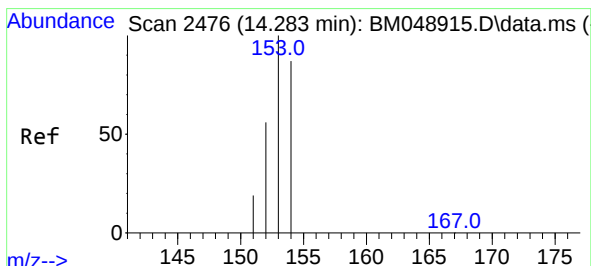
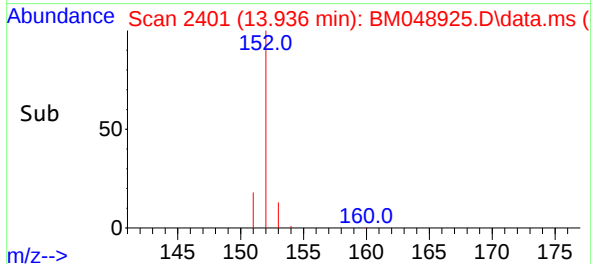
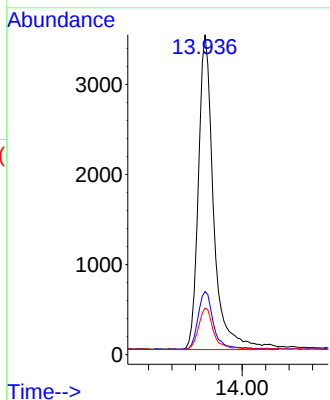
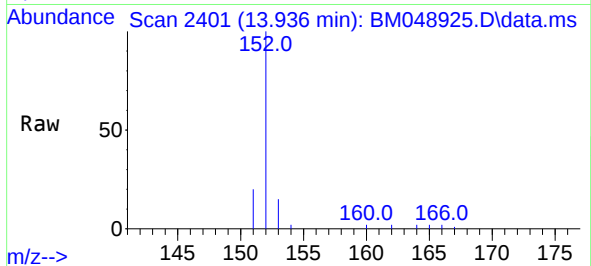




#10  
Acenaphthylene  
Concen: 0.333 ng/ul  
RT: 13.936 min Scan# 2401  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

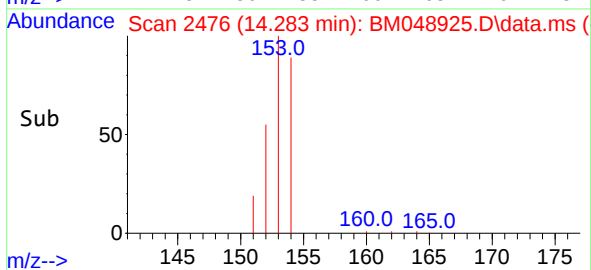
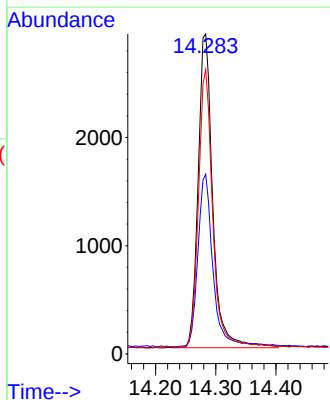
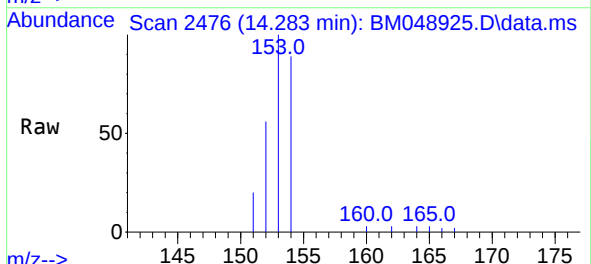
Instrument :  
BNA\_M  
ClientSampleId :  
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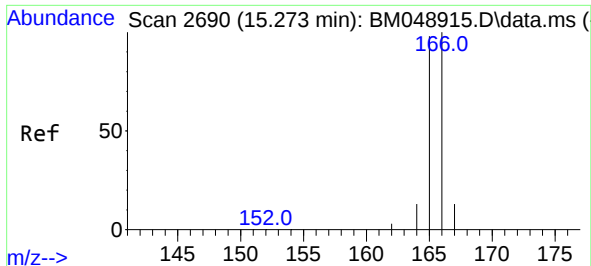
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 6360  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 19.7  | 16.3  | 24.5  |
| 153      | 14.6  | 11.2  | 16.8  |



#11  
Acenaphthene  
Concen: 0.338 ng/ul  
RT: 14.283 min Scan# 2476  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 4899  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 56.1  | 43.5  | 65.3  |
| 154      | 88.9  | 69.5  | 104.3 |

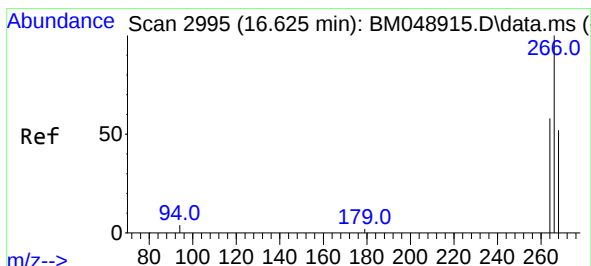
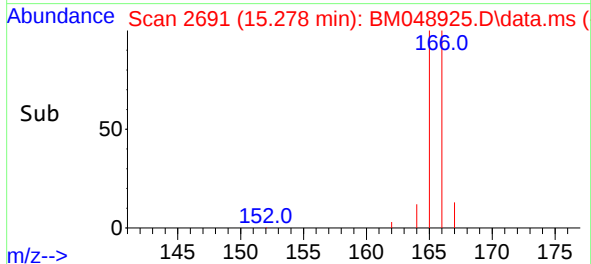
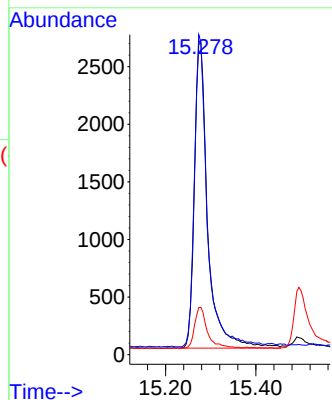
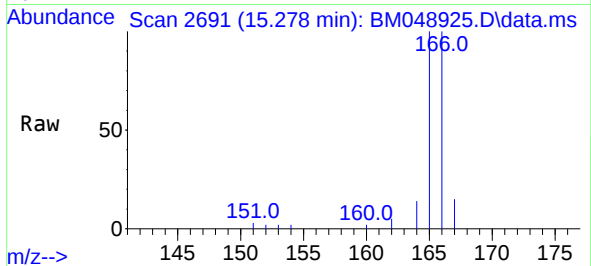




#12  
Fluorene  
Concen: 0.341 ng/ul  
RT: 15.278 min Scan# 2094  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

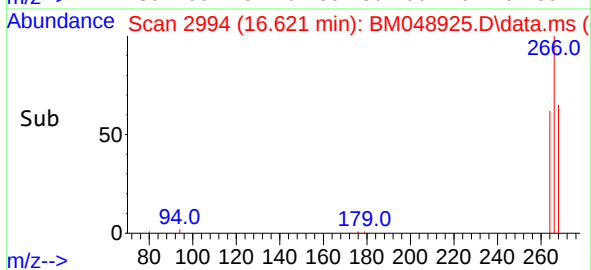
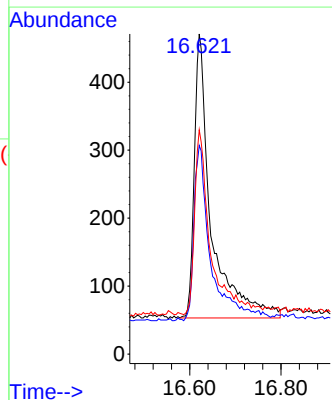
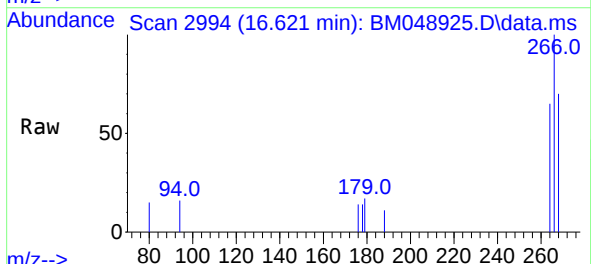
Instrument :  
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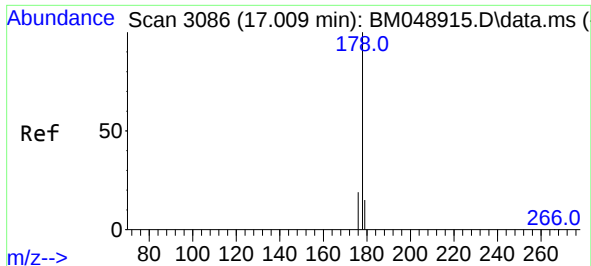
Tgt Ion:166 Resp: 5479  
Ion Ratio Lower Upper  
166 100  
165 100.1 78.1 117.1  
167 15.2 11.6 17.4



#14  
Pentachlorophenol  
Concen: 0.564 ng/ul  
RT: 16.621 min Scan# 2994  
Delta R.T. -0.004 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

Tgt Ion:266 Resp: 1081  
Ion Ratio Lower Upper  
266 100  
264 61.9 47.9 71.9  
268 61.6 55.0 82.6

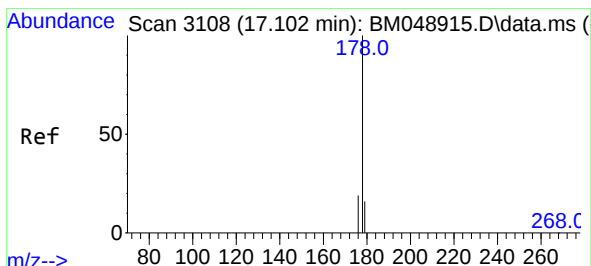
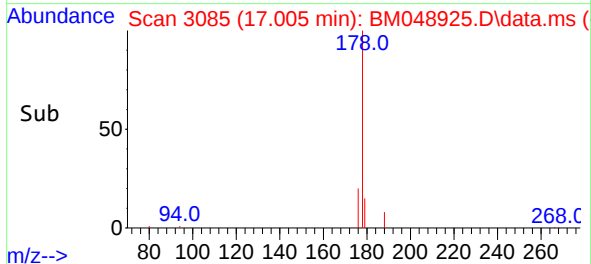
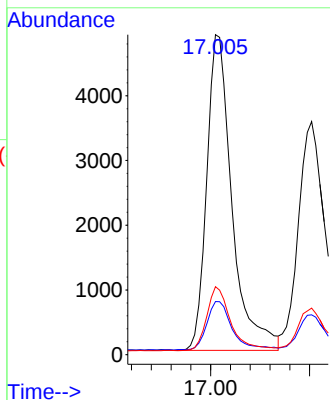
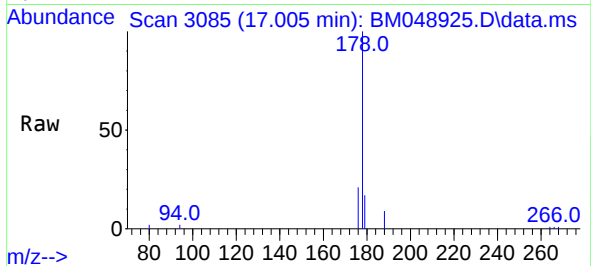




#15  
Phenanthrene  
Concen: 0.339 ng/ul  
RT: 17.005 min Scan# 3085  
Delta R.T. -0.004 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

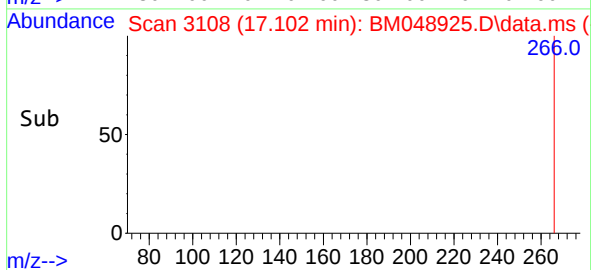
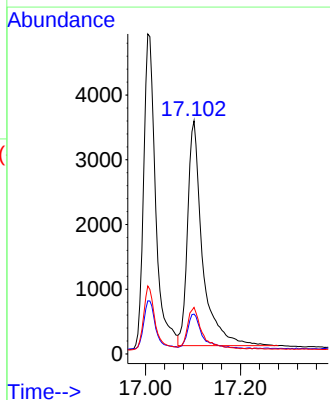
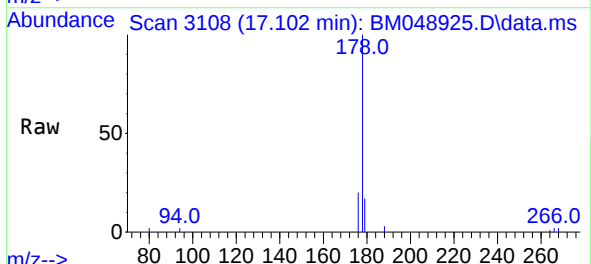
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

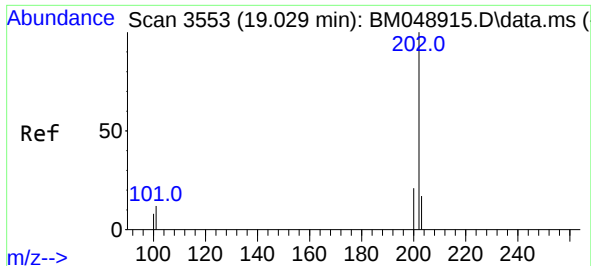
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| Tgt Ion: | 178   | Resp: | 8658  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.6  | 13.0  | 19.6  |
| 176      | 21.3  | 15.8  | 23.8  |



#16  
Anthracene  
Concen: 0.331 ng/ul  
RT: 17.102 min Scan# 3108  
Delta R.T. 0.000 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 7531  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 17.1  | 13.0  | 19.4  |
| 176      | 20.0  | 15.0  | 22.6  |

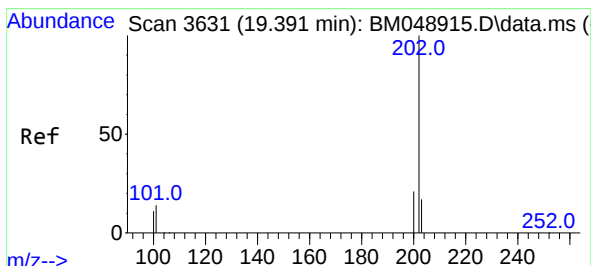
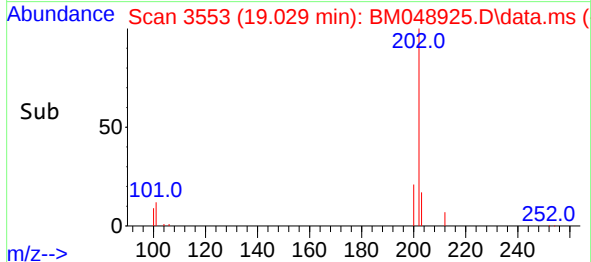
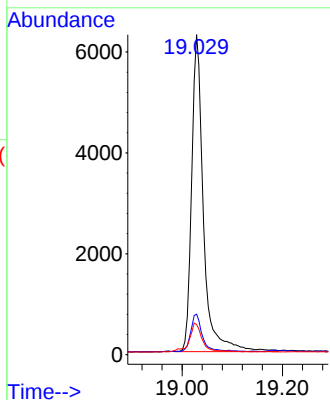
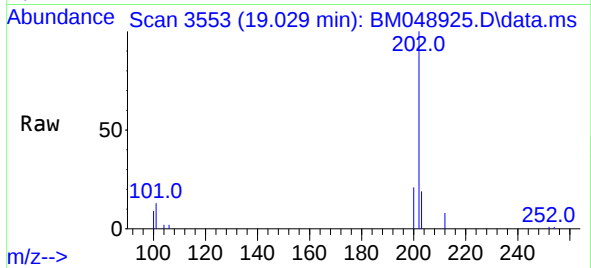




#19  
Fluoranthene  
Concen: 0.337 ng/u1  
RT: 19.029 min Scan# 3553  
Delta R.T. -0.005 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

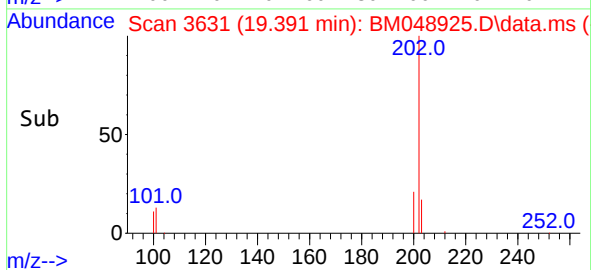
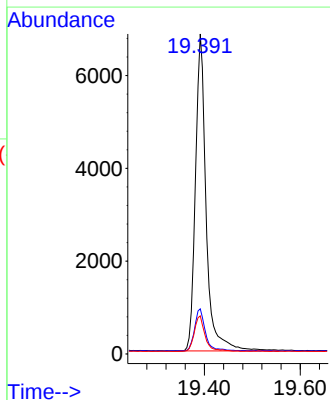
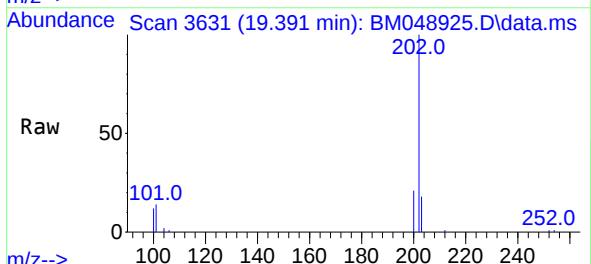
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

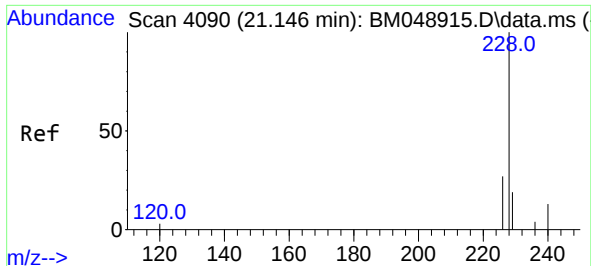
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 10259 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 12.7  | 9.7   | 14.5  |
| 100      | 9.4   | 7.3   | 10.9  |



#20  
Pyrene  
Concen: 0.326 ng/u1  
RT: 19.391 min Scan# 3631  
Delta R.T. -0.005 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 10679 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 14.1  | 10.6  | 16.0  |
| 100      | 11.9  | 8.4   | 12.6  |

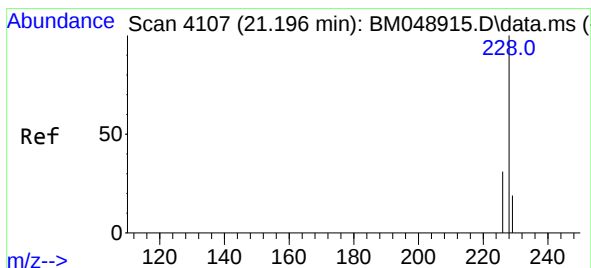
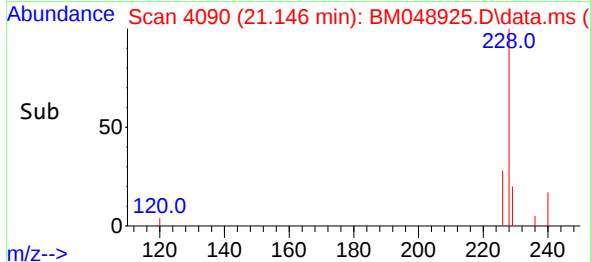
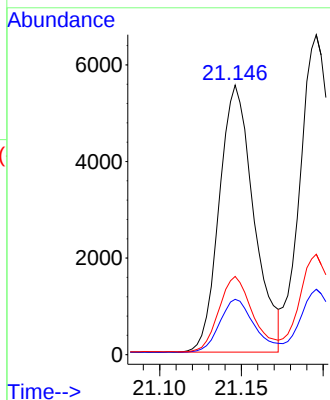
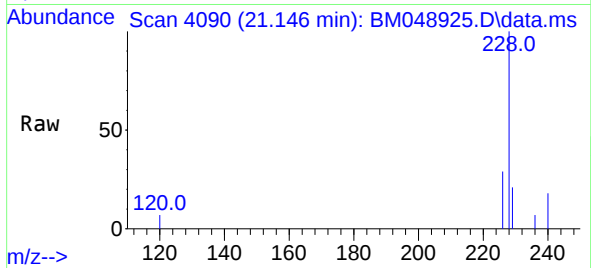




#21  
Benzo(a)anthracene  
Concen: 0.316 ng/ul  
RT: 21.146 min Scan# 4090  
Delta R.T. -0.003 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

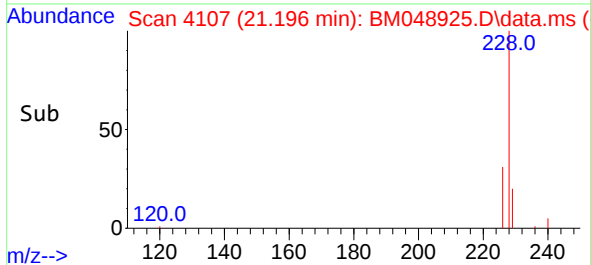
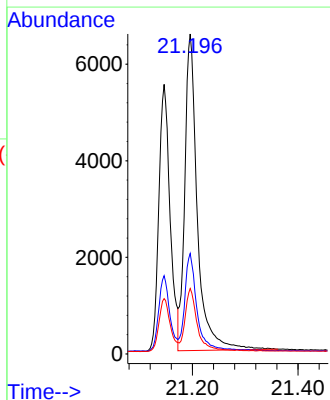
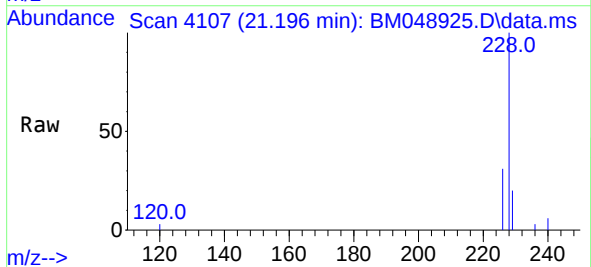
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

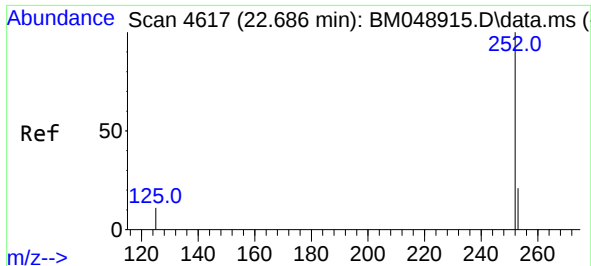
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 8156  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 20.6  | 15.7  | 23.5  |
| 226      | 29.0  | 23.0  | 34.4  |



#22  
Chrysene  
Concen: 0.370 ng/ul  
RT: 21.196 min Scan# 4107  
Delta R.T. -0.003 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 10821 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 31.4  | 24.8  | 37.2  |
| 229      | 20.5  | 16.0  | 24.0  |

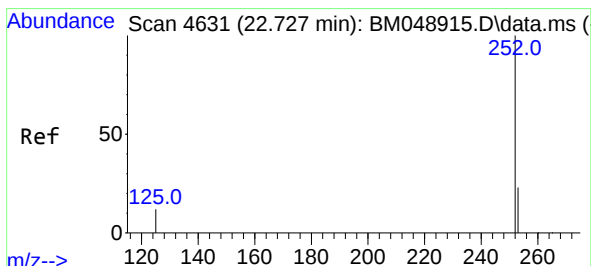
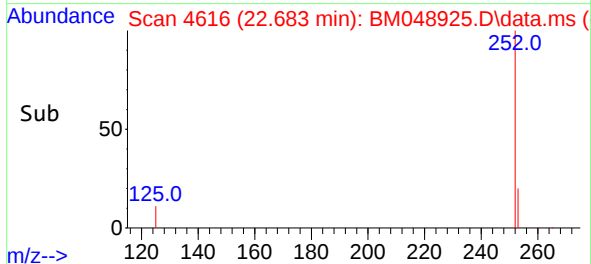
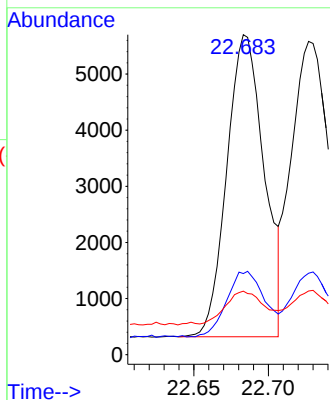
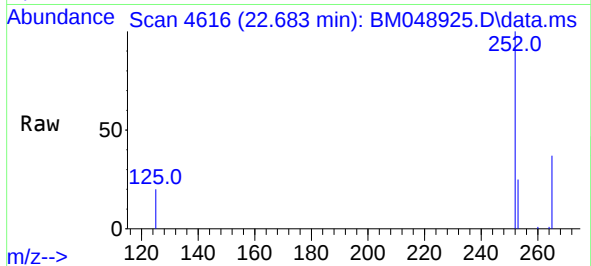




#24  
Benzo(b)fluoranthene  
Concen: 0.359 ng/ul  
RT: 22.683 min Scan# 4616  
Delta R.T. -0.006 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

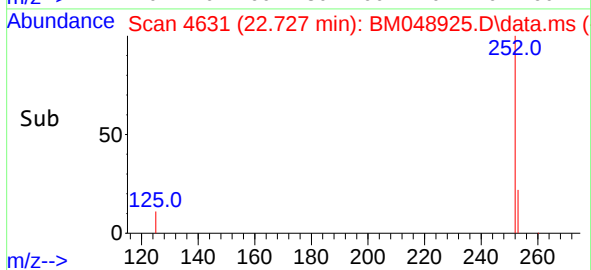
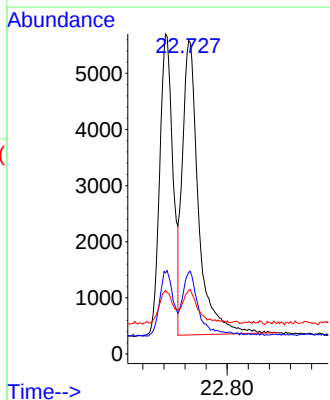
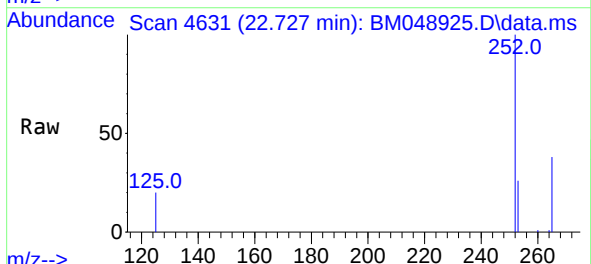
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

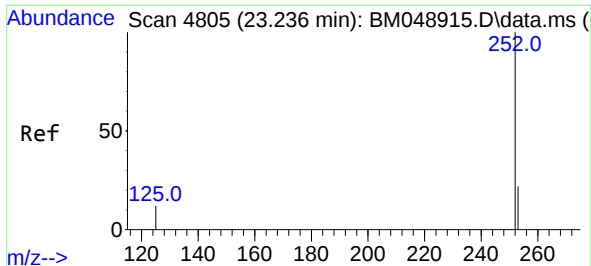
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 9379  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 25.3  | 0.0   | 51.0  |
| 125      | 19.8  | 0.0   | 36.6  |



#25  
Benzo(k)fluoranthene  
Concen: 0.368 ng/ul  
RT: 22.727 min Scan# 4631  
Delta R.T. -0.006 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 11103 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 26.0  | 20.5  | 30.7  |
| 125      | 20.3  | 17.3  | 25.9  |

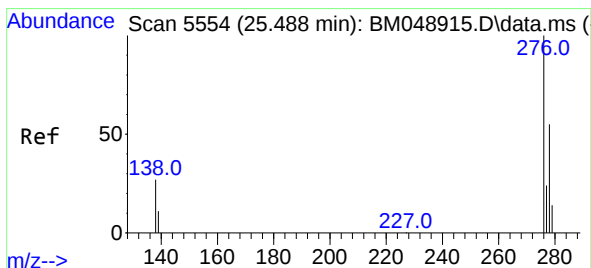
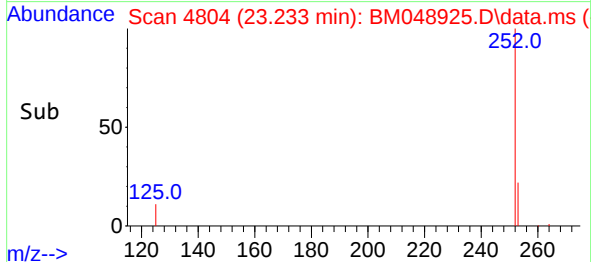
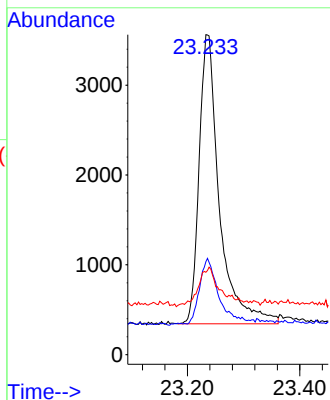
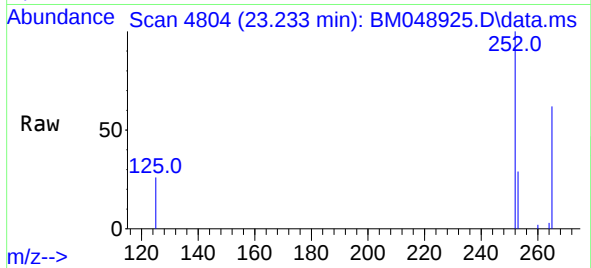




#26  
Benzo(a)pyrene  
Concen: 0.334 ng/ul  
RT: 23.233 min Scan# 4804  
Delta R.T. -0.009 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

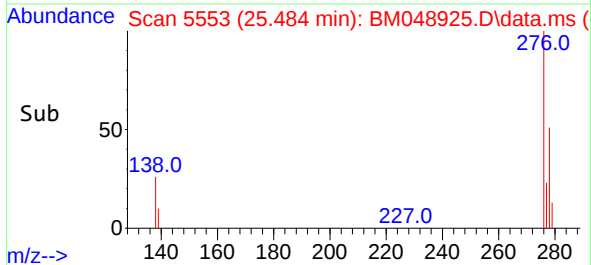
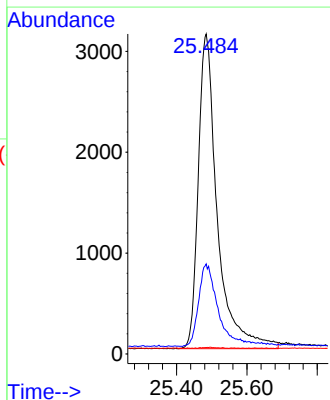
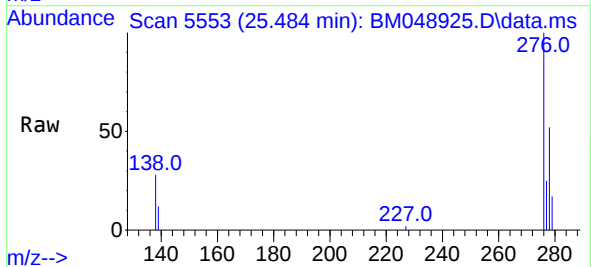
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

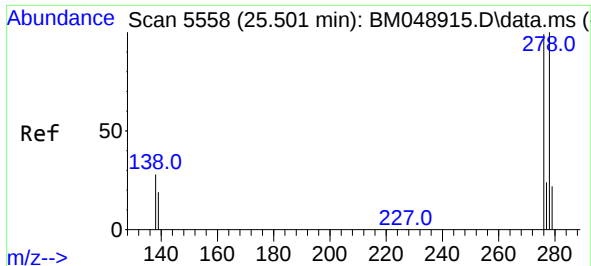
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 8073 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 29.1  | 21.8  | 32.8 |
| 125       | 25.7  | 18.6  | 27.8 |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.346 ng/ul  
RT: 25.484 min Scan# 5553  
Delta R.T. -0.007 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 11746 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 27.4  | 22.1  | 33.1  |
| 227       | 0.2   | 0.2   | 0.2   |

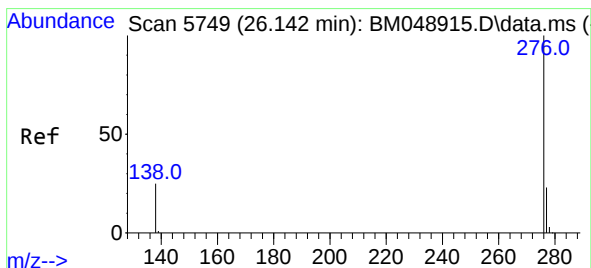
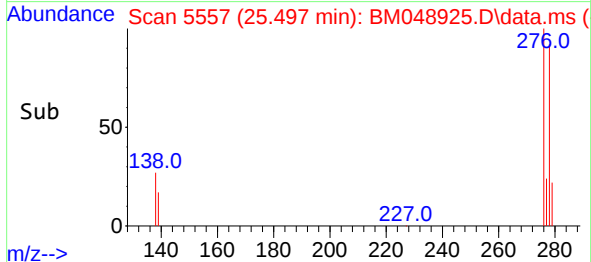
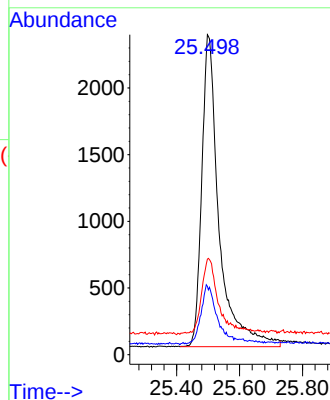
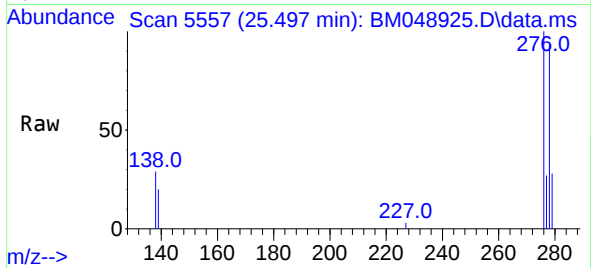




#28  
Dibenzo(a,h)anthracene  
Concen: 0.338 ng/ul  
RT: 25.497 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS458

Tgt Ion:278 Resp: 8924  
Ion Ratio Lower Upper  
278 100  
139 21.4 17.4 26.0  
279 29.9 21.1 31.7



#29  
Benzo(g,h,i)perylene  
Concen: 0.369 ng/ul  
RT: 26.135 min Scan# 5747  
Delta R.T. -0.010 min  
Lab File: BM048925.D  
Acq: 10 Dec 2024 16:09

Tgt Ion:276 Resp: 10068  
Ion Ratio Lower Upper  
276 100  
138 25.6 19.8 29.6  
277 26.0 19.6 29.4

