

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092524\  
 Data File : BM047633.D  
 Acq On : 25 Sep 2024 20:09  
 Operator : RC/JU  
 Sample : P4130-08MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0H10MSD

Quant Time: Sep 26 02:53:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 16:27:08 2024  
 Response via : Initial Calibration

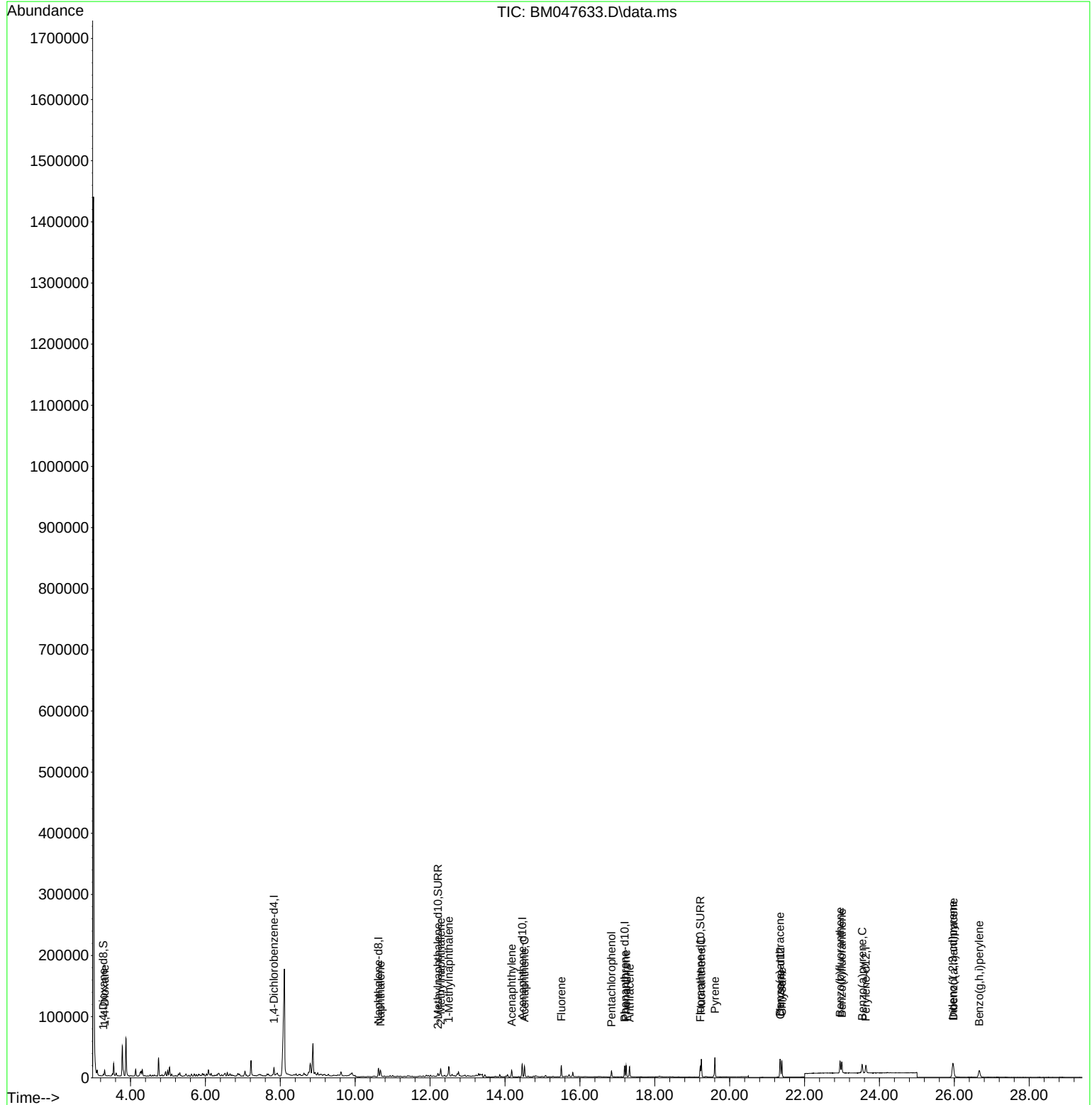
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.830  | 152  | 6031     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.623 | 136  | 18026    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.460 | 164  | 10533    | 0.400 | ng/ul  | # 0.00   |
| 13) Phenanthrene-d10        | 17.196 | 188  | 20708    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.359 | 240  | 16439    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.636 | 264  | 17346    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.273  | 96   | 1941     | 0.250 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.212 | 152  | 6266     | 0.260 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.216 | 212  | 18637    | 0.370 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.307  | 88   | 6062     | 0.654 | ng/ul# | 82       |
| 5) Naphthalene              | 10.672 | 128  | 13478    | 0.274 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.284 | 142  | 8239     | 0.280 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.504 | 142  | 10138    | 0.328 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.178 | 152  | 12718    | 0.248 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.520 | 153  | 10109    | 0.288 | ng/ul  | 99       |
| 12) Fluorene                | 15.506 | 166  | 11342    | 0.285 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.846 | 266  | 6537     | 1.050 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.234 | 178  | 20044    | 0.326 | ng/ul  | 99       |
| 16) Anthracene              | 17.327 | 178  | 18254    | 0.334 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.244 | 202  | 24902    | 0.360 | ng/ul  | 100      |
| 20) Pyrene                  | 19.606 | 202  | 26569    | 0.361 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.341 | 228  | 23010    | 0.331 | ng/ul  | 99       |
| 22) Chrysene                | 21.394 | 228  | 23672    | 0.327 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.949 | 252  | 24549    | 0.325 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 22.995 | 252  | 24330    | 0.320 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.536 | 252  | 21031    | 0.353 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.956 | 276  | 29734    | 0.314 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.973 | 278  | 22709    | 0.318 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 26.667 | 276  | 24083    | 0.317 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

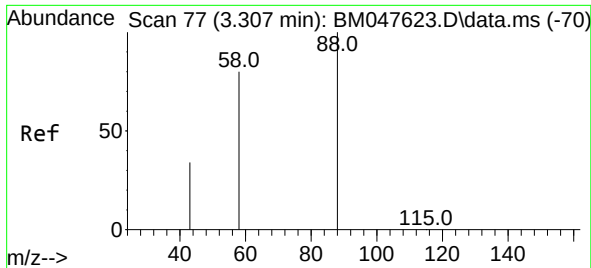
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092524\  
Data File : BM047633.D  
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Sample : P4130-08MSD  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
H0H10MSD

Quant Time: Sep 26 02:53:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration

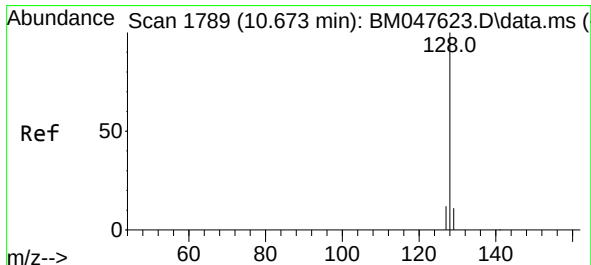
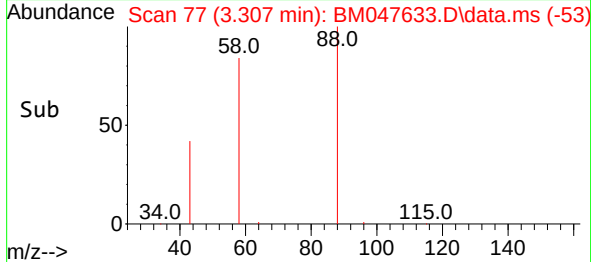
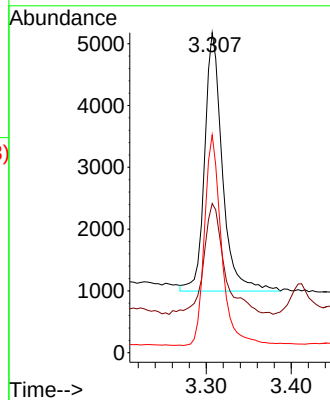
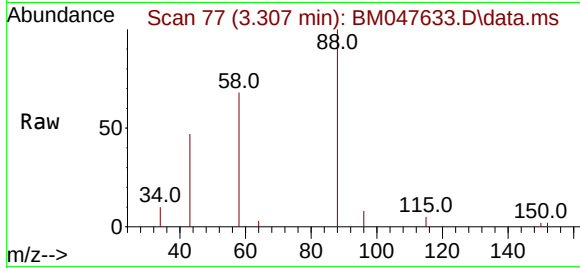




#2  
1,4-Dioxane  
Concen: 0.654 ng/ul  
RT: 3.307 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

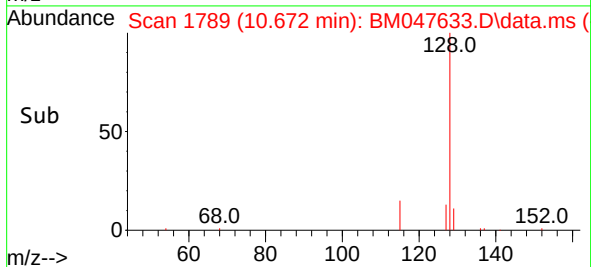
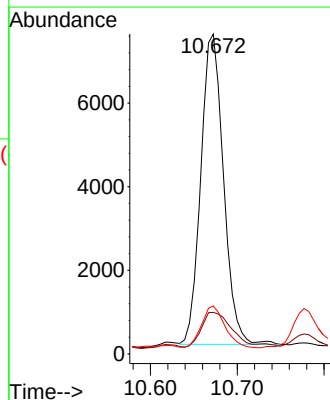
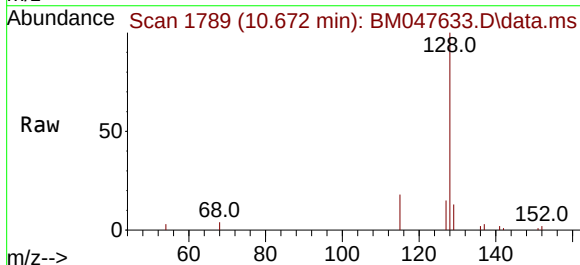
Instrument :  
BNA\_M  
ClientSampleId :  
H0H10MSD

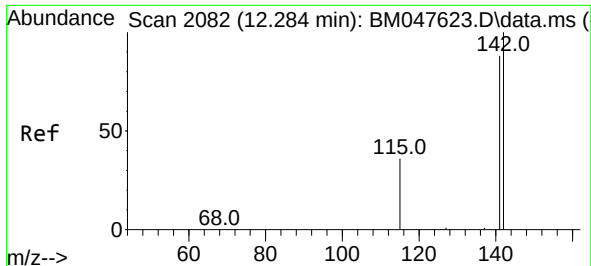
Tgt Ion: 88 Resp: 6062  
Ion Ratio Lower Upper  
88 100  
43 46.6 30.9 46.3#  
58 68.1 42.5 63.7#



#5  
Naphthalene  
Concen: 0.274 ng/ul  
RT: 10.672 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Tgt Ion: 128 Resp: 13478  
Ion Ratio Lower Upper  
128 100  
129 13.0 9.2 13.8  
127 15.0 10.4 15.6

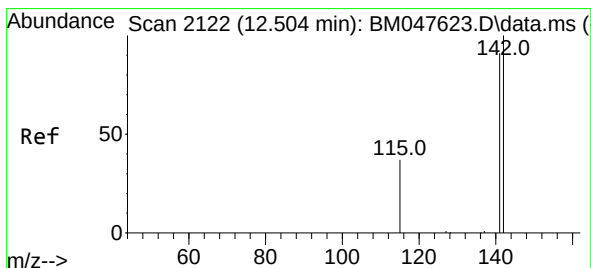
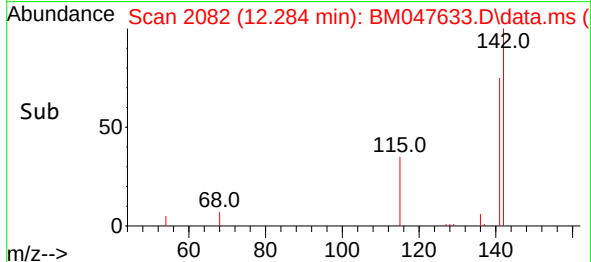
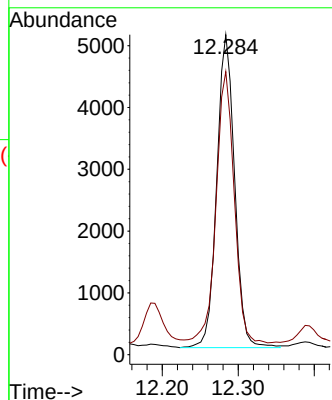
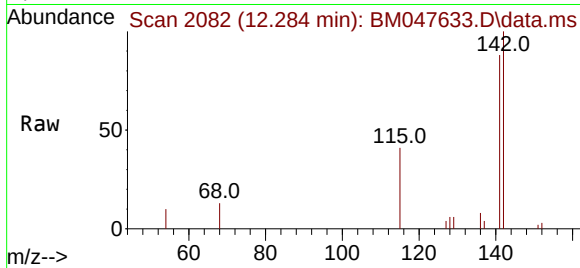




#7  
2-Methylnaphthalene  
Concen: 0.280 ng/ul  
RT: 12.284 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

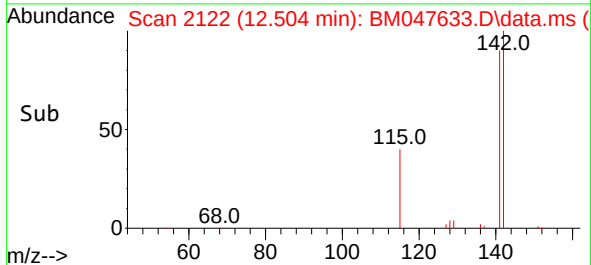
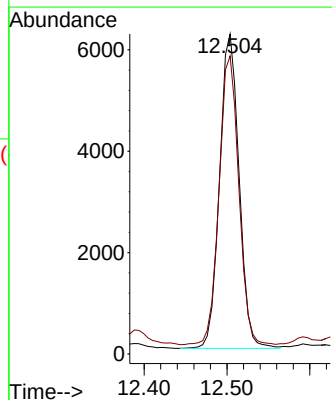
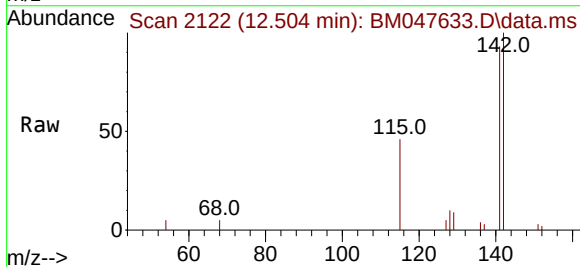
Instrument :  
BNA\_M  
ClientSampleId :  
H0H10MSD

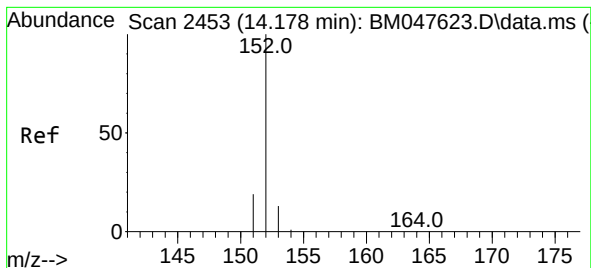
Tgt Ion:142 Resp: 8239  
Ion Ratio Lower Upper  
142 100  
141 87.5 70.5 105.7



#8  
1-Methylnaphthalene  
Concen: 0.328 ng/ul  
RT: 12.504 min Scan# 2122  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Tgt Ion:142 Resp: 10138  
Ion Ratio Lower Upper  
142 100  
141 92.3 72.9 109.3





#10

Acenaphthylene

Concen: 0.248 ng/ul

RT: 14.178 min Scan# 2453

Delta R.T. -0.000 min

Lab File: BM047633.D

Acq: 25 Sep 2024 20:09

Instrument :

BNA\_M

ClientSampleId :

H0HI0MSD

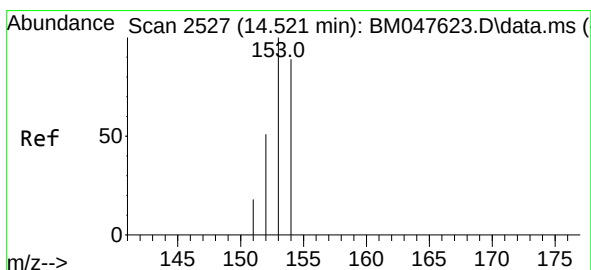
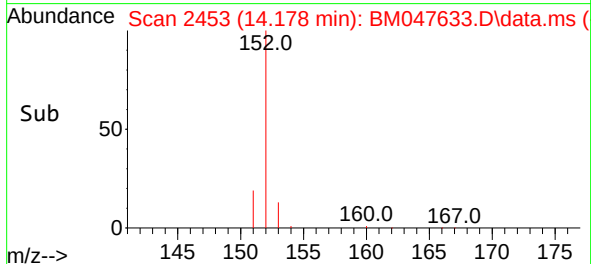
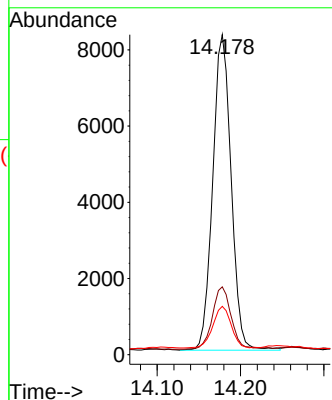
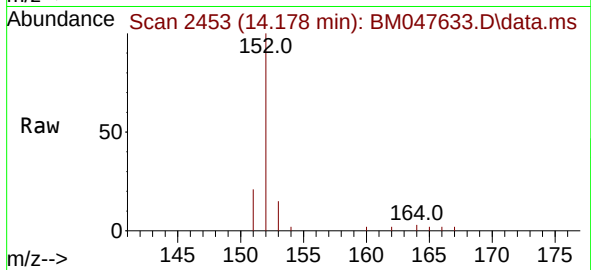
Tgt Ion:152 Resp: 12718

Ion Ratio Lower Upper

152 100

151 21.2 16.1 24.1

153 15.1 10.7 16.1



#11

Acenaphthene

Concen: 0.288 ng/ul

RT: 14.520 min Scan# 2527

Delta R.T. -0.000 min

Lab File: BM047633.D

Acq: 25 Sep 2024 20:09

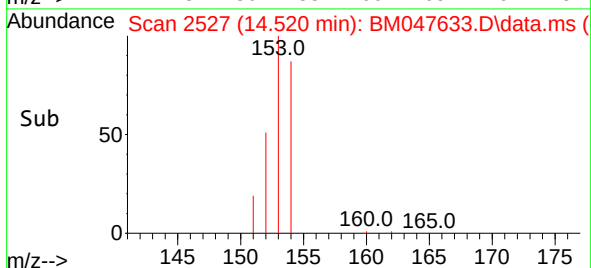
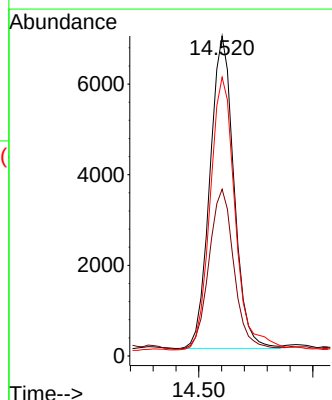
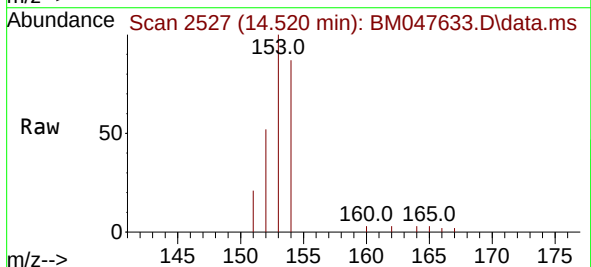
Tgt Ion:153 Resp: 10109

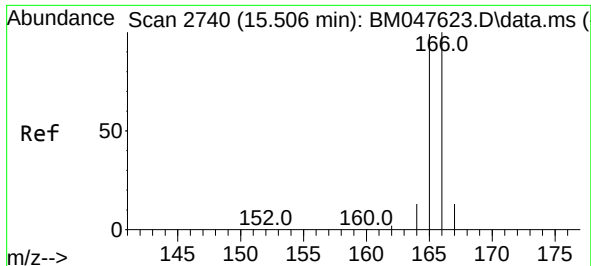
Ion Ratio Lower Upper

153 100

152 52.1 41.7 62.5

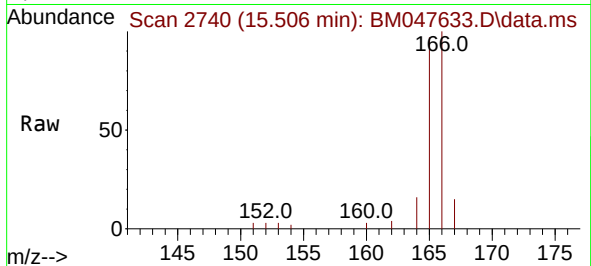
154 87.1 71.2 106.8



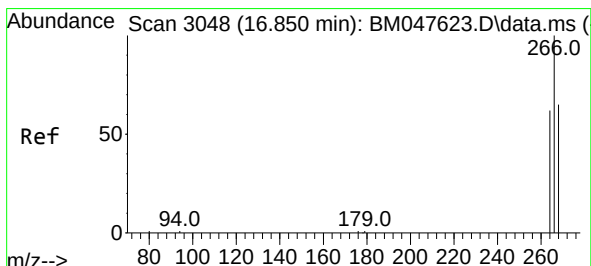
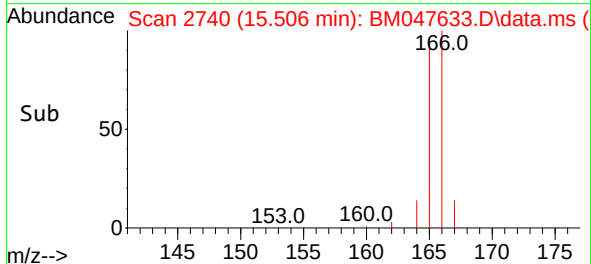
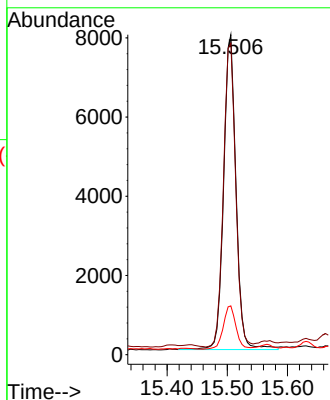


#12  
Fluorene  
Concen: 0.285 ng/ul  
RT: 15.506 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Instrument :  
BNA\_M  
ClientSampleId :  
H0HI0MSD

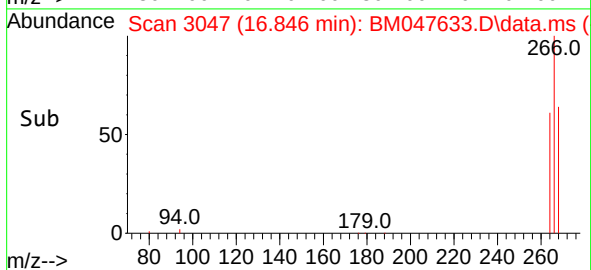
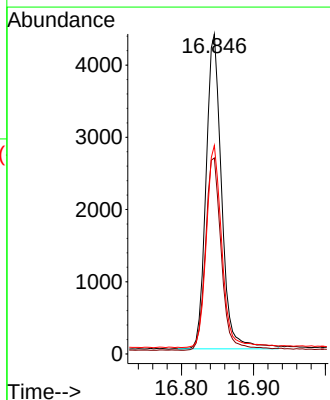
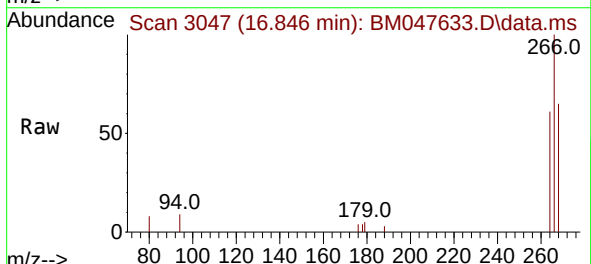


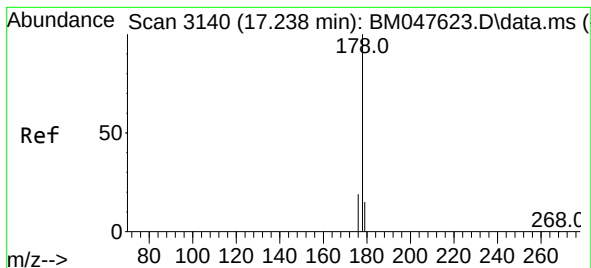
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 11342 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 97.3  | 79.4  | 119.2 |
| 167      | 15.2  | 11.4  | 17.0  |



#14  
Pentachlorophenol  
Concen: 1.050 ng/ul  
RT: 16.846 min Scan# 3047  
Delta R.T. -0.004 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 6537  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 62.6  | 49.8  | 74.8  |
| 268      | 64.0  | 51.2  | 76.8  |





#15

Phenanthrene

Concen: 0.326 ng/ul

RT: 17.234 min Scan# 31

Delta R.T. -0.004 min

Lab File: BM047633.D

Acq: 25 Sep 2024 20:09

Instrument :

BNA\_M

ClientSampleId :

H0HI0MSD

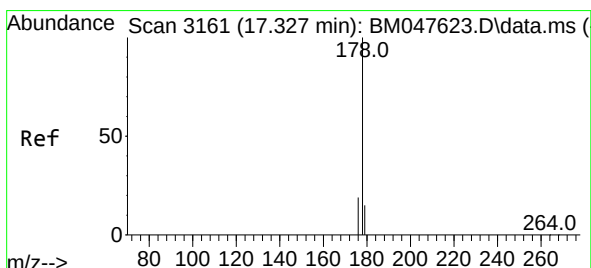
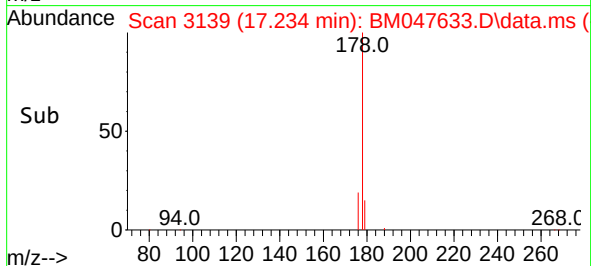
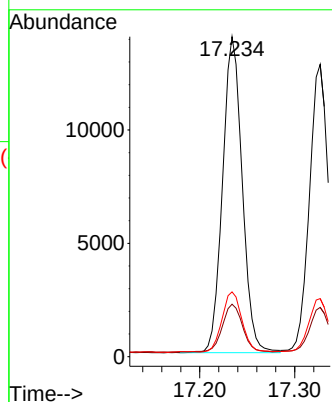
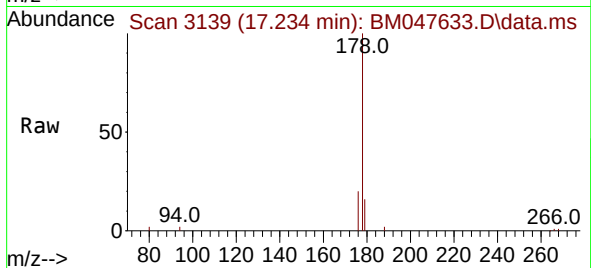
Tgt Ion:178 Resp: 20044

Ion Ratio Lower Upper

178 100

179 16.4 13.0 19.6

176 20.2 15.9 23.9



#16

Anthracene

Concen: 0.334 ng/ul

RT: 17.327 min Scan# 3161

Delta R.T. -0.000 min

Lab File: BM047633.D

Acq: 25 Sep 2024 20:09

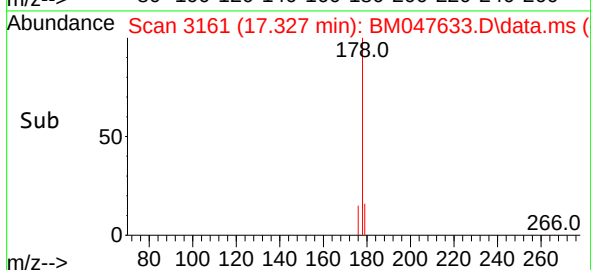
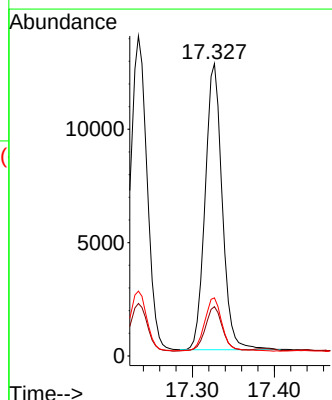
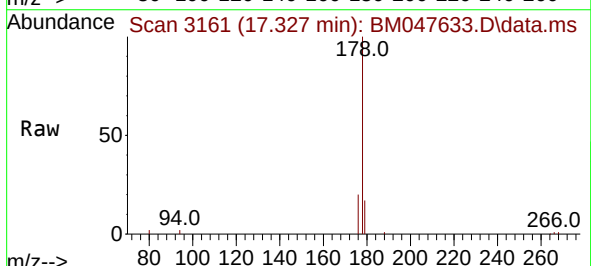
Tgt Ion:178 Resp: 18254

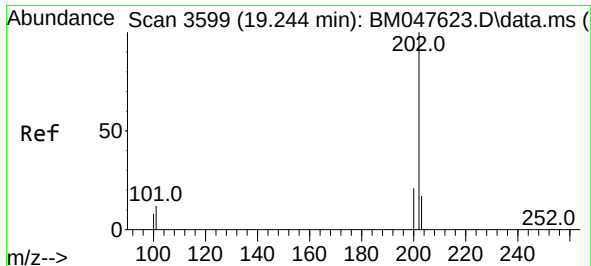
Ion Ratio Lower Upper

178 100

179 16.8 13.0 19.4

176 19.9 15.4 23.2

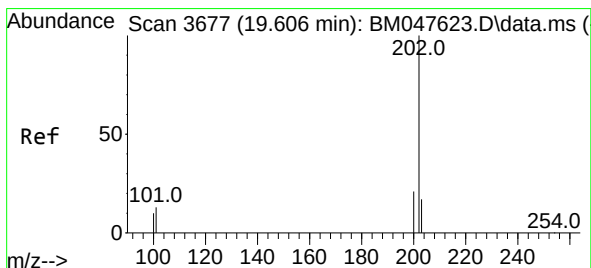
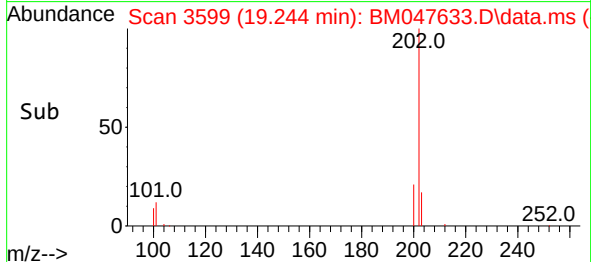
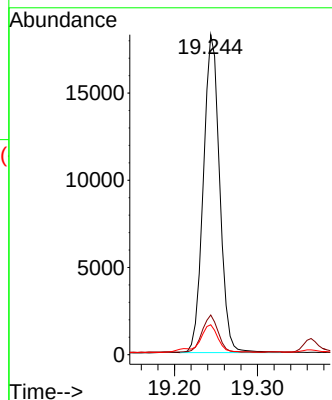
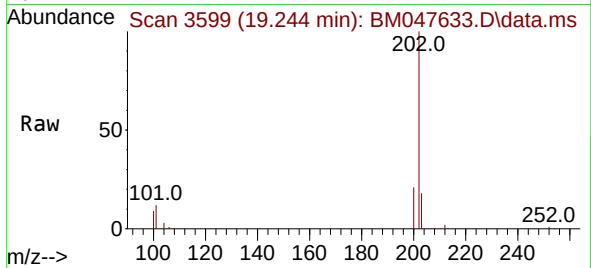




#19  
Fluoranthene  
Concen: 0.360 ng/ul  
RT: 19.244 min Scan# 3599  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

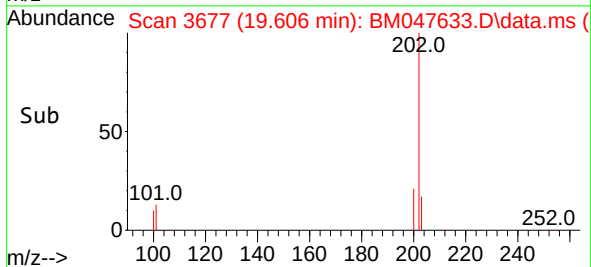
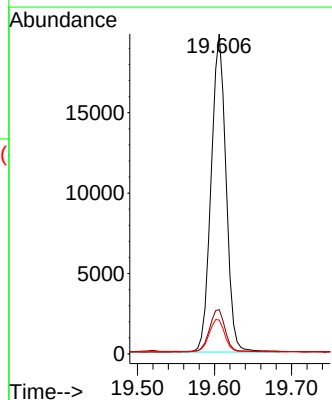
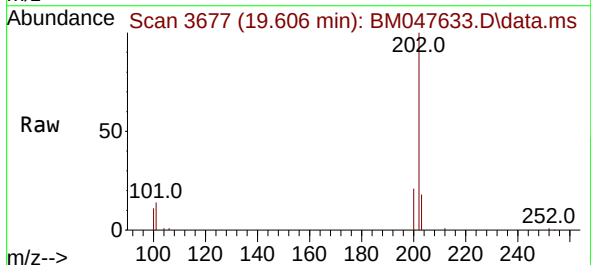
Instrument :  
BNA\_M  
ClientSampleId :  
H0HI0MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 24902 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.4  | 9.8   | 14.6  |
| 100       | 9.4   | 7.4   | 11.2  |

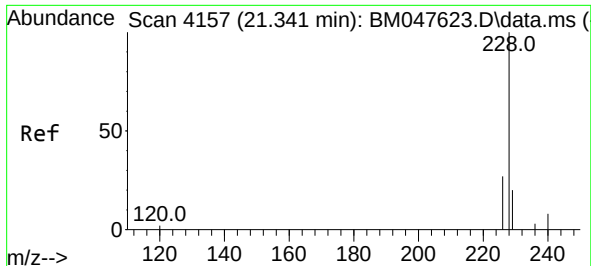


#20  
Pyrene  
Concen: 0.361 ng/ul  
RT: 19.606 min Scan# 3677  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 26569 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.8  | 10.7  | 16.1  |
| 100       | 10.6  | 8.2   | 12.2  |



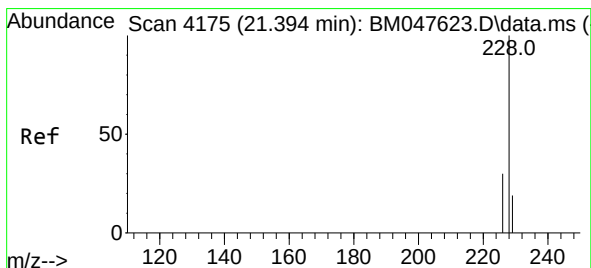
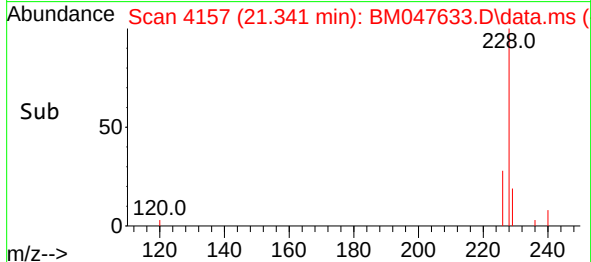
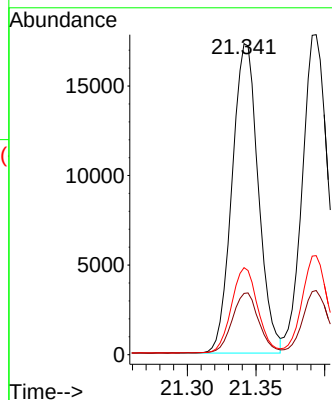
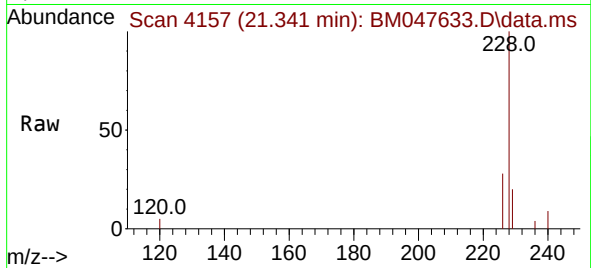




#21  
Benzo(a)anthracene  
Concen: 0.331 ng/ul  
RT: 21.341 min Scan# 4157  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

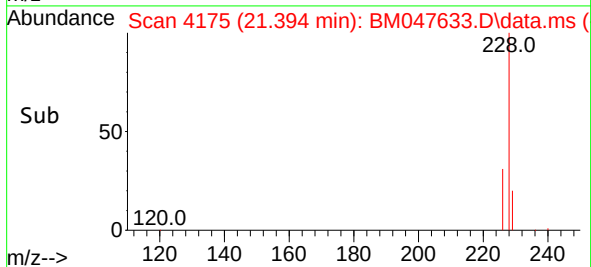
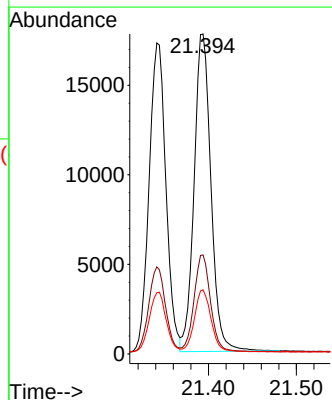
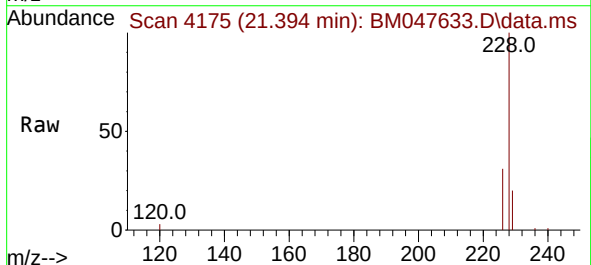
Instrument :  
BNA\_M  
ClientSampleId :  
H0HI0MSD

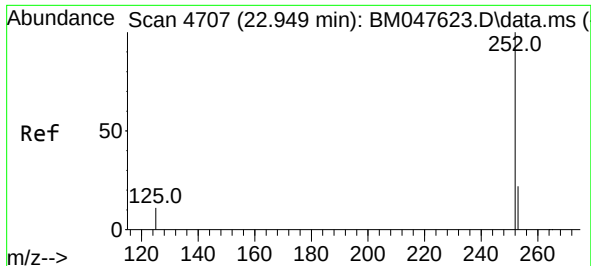
Tgt Ion:228 Resp: 23010  
Ion Ratio Lower Upper  
228 100  
229 19.7 15.9 23.9  
226 28.0 22.1 33.1



#22  
Chrysene  
Concen: 0.327 ng/ul  
RT: 21.394 min Scan# 4175  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Tgt Ion:228 Resp: 23672  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.4 36.6  
229 20.0 15.7 23.5

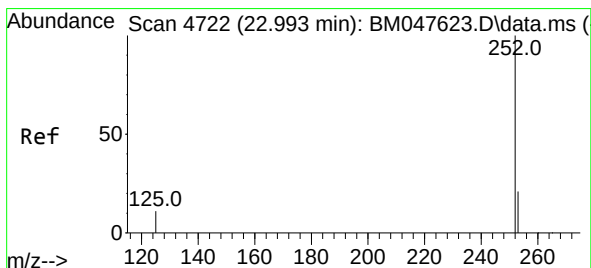
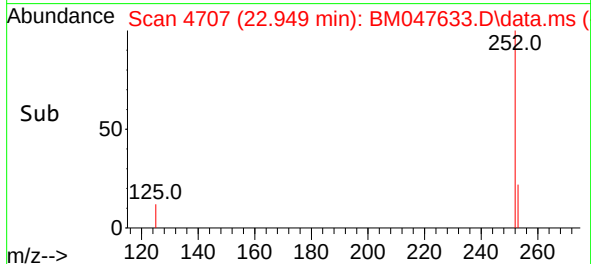
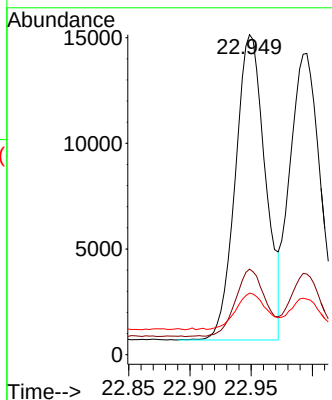
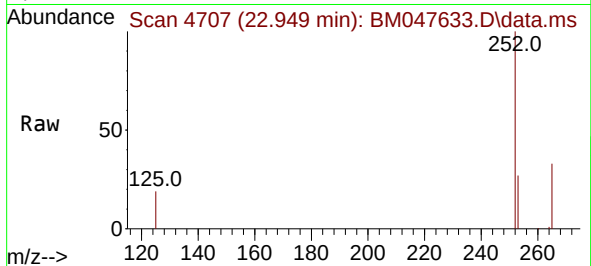




#24  
Benzo(b)fluoranthene  
Concen: 0.325 ng/ul  
RT: 22.949 min Scan# 4707  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

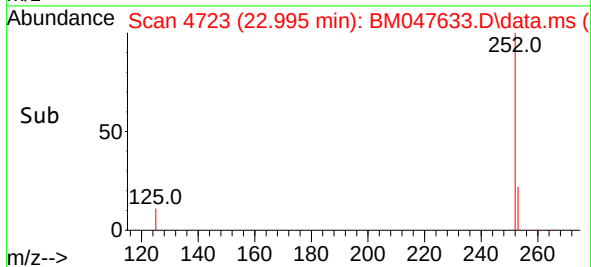
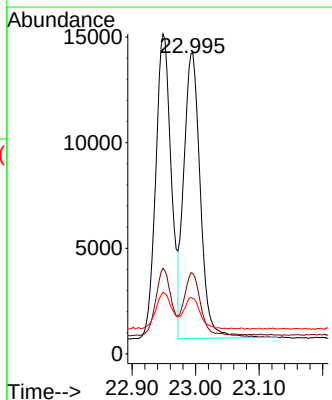
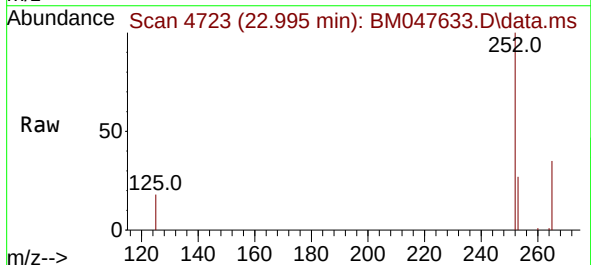
Instrument :  
BNA\_M  
ClientSampleId :  
H0HI0MSD

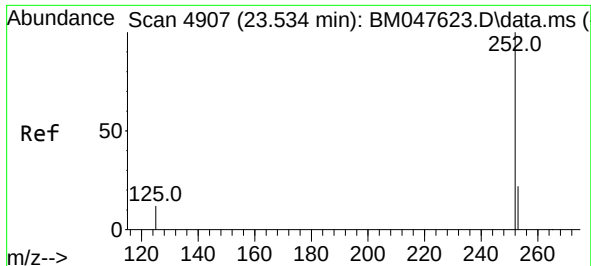
Tgt Ion:252 Resp: 24549  
Ion Ratio Lower Upper  
252 100  
253 26.7 0.0 52.4  
125 19.2 0.0 36.4



#25  
Benzo(k)fluoranthene  
Concen: 0.320 ng/ul  
RT: 22.995 min Scan# 4723  
Delta R.T. 0.003 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Tgt Ion:252 Resp: 24330  
Ion Ratio Lower Upper  
252 100  
253 26.8 21.0 31.6  
125 18.4 14.6 21.8

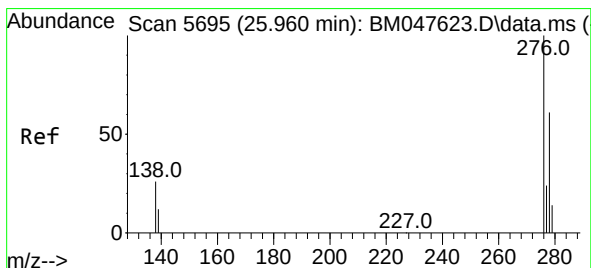
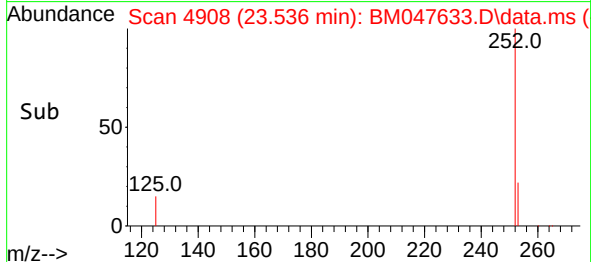
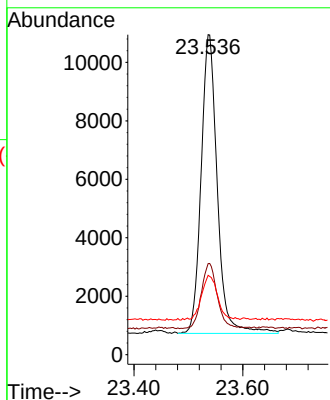
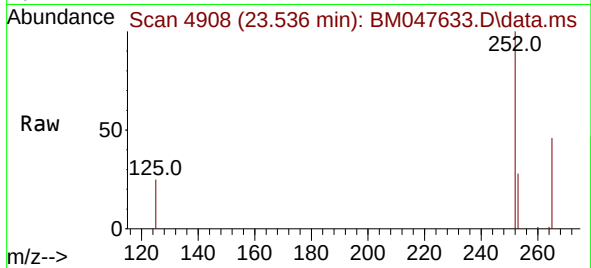




#26  
Benzo(a)pyrene  
Concen: 0.353 ng/ul  
RT: 23.536 min Scan# 4908  
Delta R.T. 0.003 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

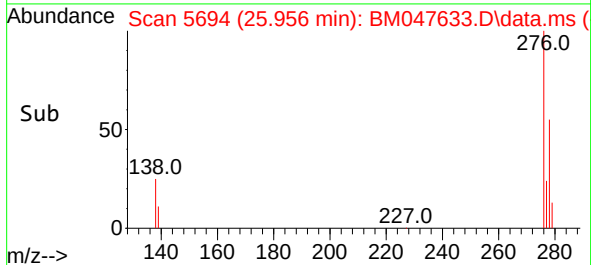
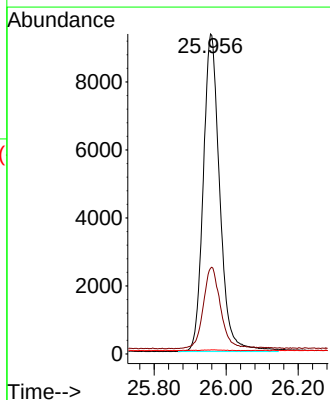
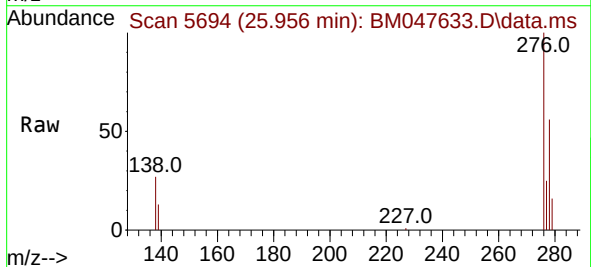
Instrument :  
BNA\_M  
ClientSampleId :  
H0HI0MSD

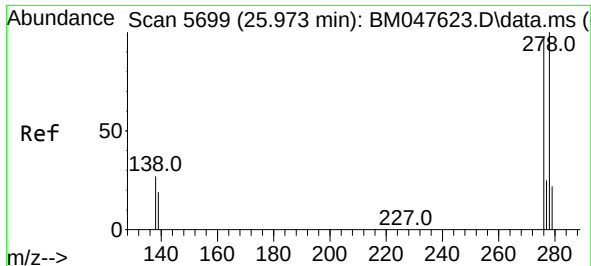
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 21031 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.4  | 23.0  | 34.4  |
| 125       | 24.8  | 18.8  | 28.2  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.314 ng/ul  
RT: 25.956 min Scan# 5694  
Delta R.T. -0.004 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 29734 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 27.0  | 22.0  | 33.0  |
| 227       | 0.2   | 0.2   | 0.4   |

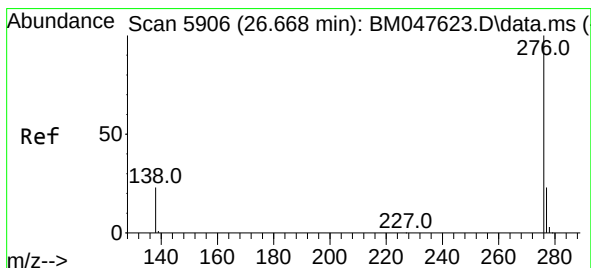
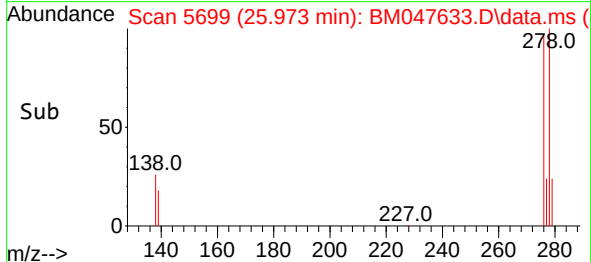
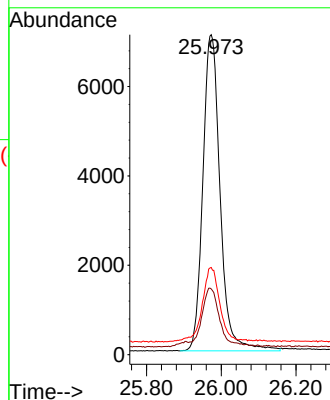
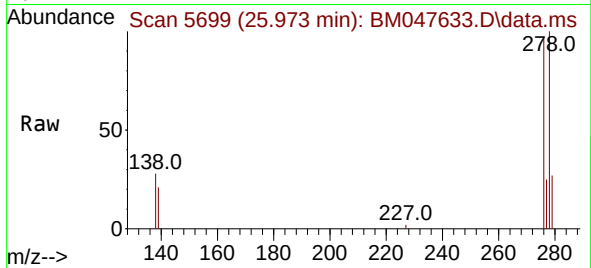




#28  
Dibenzo(a,h)anthracene  
Concen: 0.318 ng/ul  
RT: 25.973 min Scan# 5699  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Instrument :  
BNA\_M  
ClientSampleId :  
H0HI0MSD

Tgt Ion:278 Resp: 22709  
Ion Ratio Lower Upper  
278 100  
139 20.6 16.8 25.2  
279 27.2 21.2 31.8



#29  
Benzo(g,h,i)perylene  
Concen: 0.317 ng/ul  
RT: 26.667 min Scan# 5906  
Delta R.T. -0.000 min  
Lab File: BM047633.D  
Acq: 25 Sep 2024 20:09

Tgt Ion:276 Resp: 24083  
Ion Ratio Lower Upper  
276 100  
138 25.5 20.2 30.2  
277 25.2 19.8 29.6

