

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012422\  
 Data File : BM033838.D  
 Acq On : 24 Jan 2022 15:27  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jan 24 16:55:39 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 24 15:20:03 2022  
 Response via : Initial Calibration

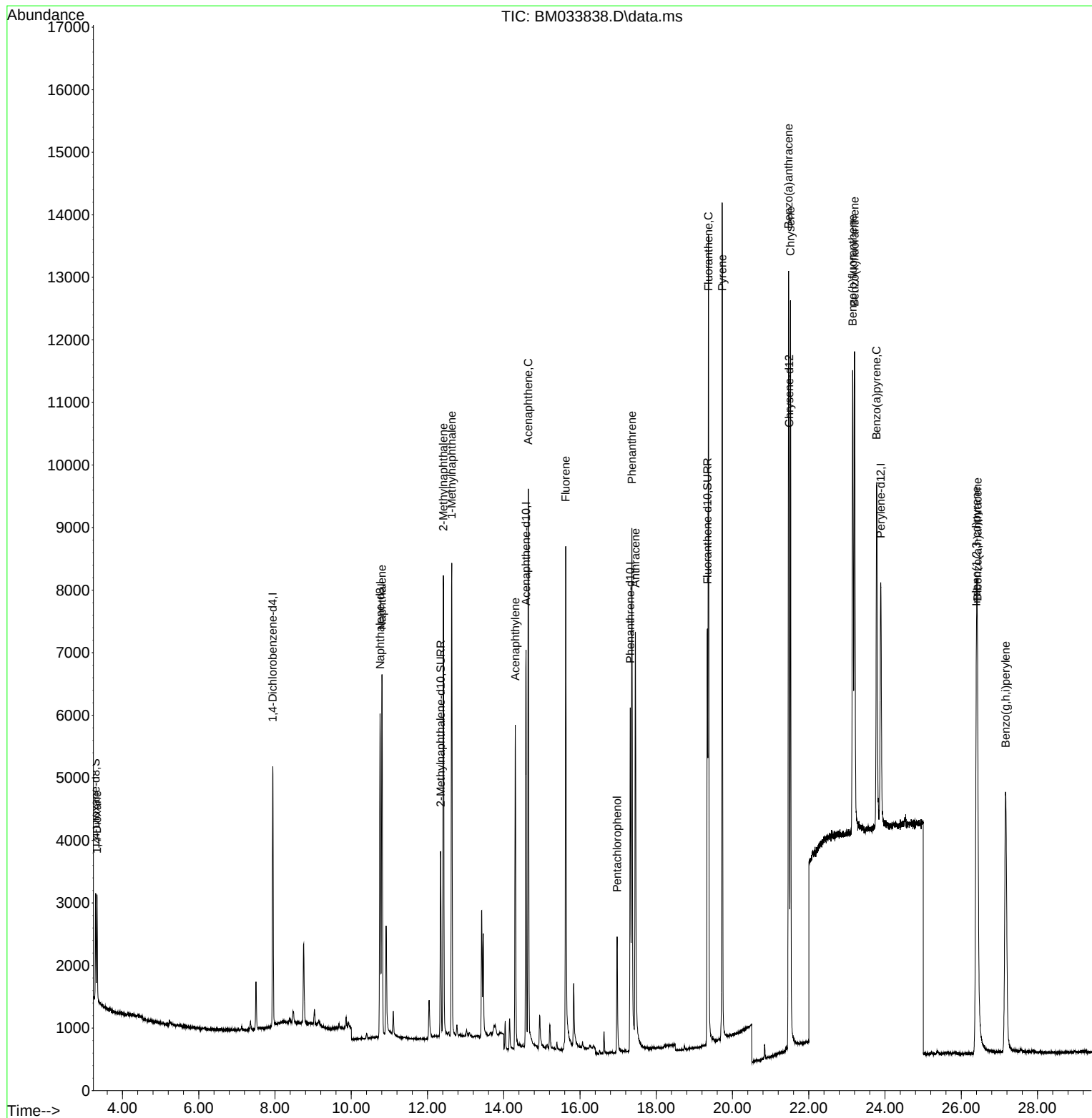
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.943  | 152  | 2072     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.756 | 136  | 7120     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.583 | 164  | 3570     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.319 | 188  | 7318     | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.485 | 240  | 5977     | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.887 | 264  | 5863     | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.296  | 96   | 965      | 0.446 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.344 | 152  | 4052     | 0.413 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.342 | 212  | 7616     | 0.414 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.334  | 88   | 976      | 0.430 | ng/ul#  | 88       |
| 5) Naphthalene              | 10.805 | 128  | 7965     | 0.407 | ng/ul#  | 89       |
| 7) 2-Methylnaphthalene      | 12.416 | 142  | 5238     | 0.412 | ng/ul   | 100      |
| 8) 1-Methylnaphthalene      | 12.636 | 142  | 5092     | 0.408 | ng/ul   | 100      |
| 10) Acenaphthylene          | 14.303 | 152  | 6329     | 0.397 | ng/ul#  | 92       |
| 11) Acenaphthene            | 14.644 | 153  | 5301     | 0.415 | ng/ul   | 96       |
| 12) Fluorene                | 15.626 | 166  | 5839     | 0.401 | ng/ul   | 95       |
| 14) Pentachlorophenol       | 16.972 | 266  | 1401     | 0.417 | ng/ul   | 96       |
| 15) Phenanthrene            | 17.361 | 178  | 9470     | 0.406 | ng/ul   | 95       |
| 16) Anthracene              | 17.455 | 178  | 8670     | 0.397 | ng/ul   | 92       |
| 19) Fluoranthene            | 19.368 | 202  | 11229    | 0.412 | ng/ul   | 99       |
| 20) Pyrene                  | 19.731 | 202  | 11461    | 0.411 | ng/ul   | 95       |
| 21) Benzo(a)anthracene      | 21.470 | 228  | 9936     | 0.407 | ng/ul   | 97       |
| 22) Chrysene                | 21.521 | 228  | 10531    | 0.407 | ng/ul   | 97       |
| 24) Benzo(b)fluoranthene    | 23.153 | 252  | 10811    | 0.411 | ng/ul   | 92       |
| 25) Benzo(k)fluoranthene    | 23.202 | 252  | 10813    | 0.410 | ng/ul#  | 92       |
| 26) Benzo(a)pyrene          | 23.781 | 252  | 9225     | 0.404 | ng/ul#  | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.395 | 276  | 12434    | 0.409 | ng/ul#  | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.427 | 278  | 9778     | 0.408 | ng/ul   | 92       |
| 29) Benzo(g,h,i)perylene    | 27.163 | 276  | 10658    | 0.413 | ng/ul   | 93       |
| -----                       |        |      |          |       |         |          |

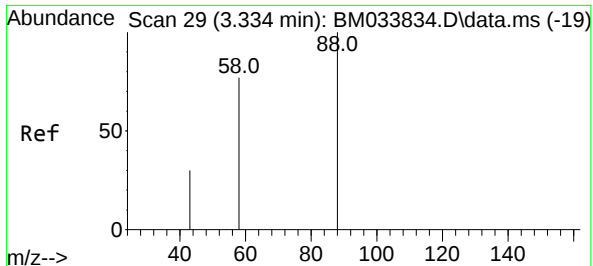
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012422\  
Data File : BM033838.D  
Acq On : 24 Jan 2022 15:27  
Operator : CG/JU  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

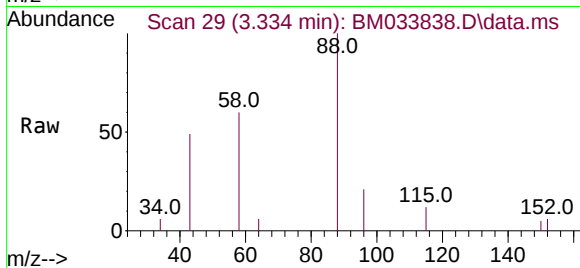
Quant Time: Jan 24 16:55:39 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 24 15:20:03 2022  
Response via : Initial Calibration



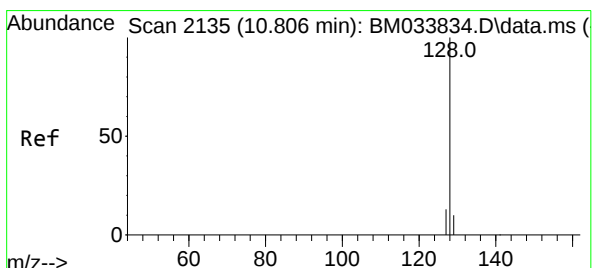
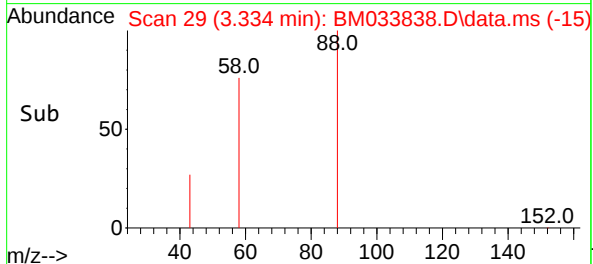
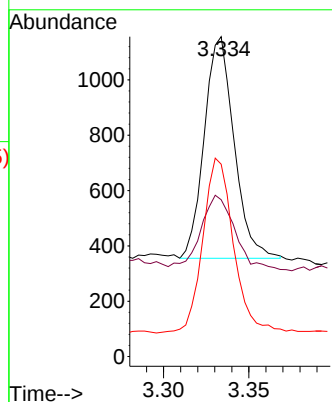


#2  
1,4-Dioxane  
Concen: 0.430 ng/ul  
RT: 3.334 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Instrument :  
BNA\_M  
ClientSampleId :

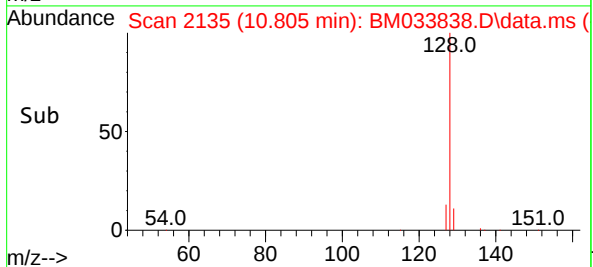
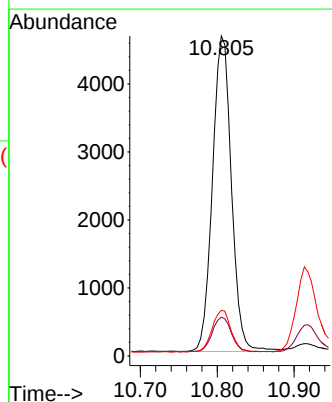
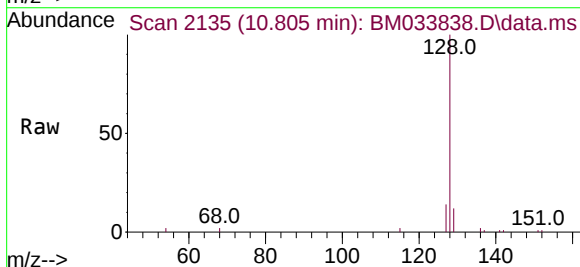


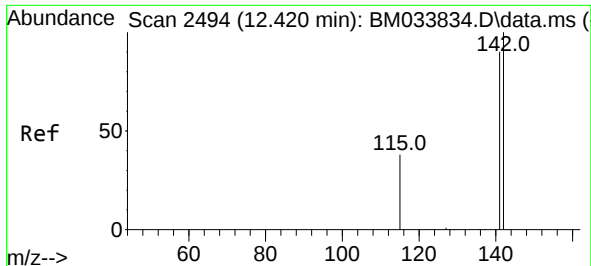
Tgt Ion: 88 Resp: 976  
Ion Ratio Lower Upper  
88 100  
43 49.0 49.7 74.5#  
58 60.1 52.5 78.7



#5  
Naphthalene  
Concen: 0.407 ng/ul  
RT: 10.805 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion: 128 Resp: 7965  
Ion Ratio Lower Upper  
128 100  
129 12.2 13.4 20.2#  
127 14.2 15.2 22.8#

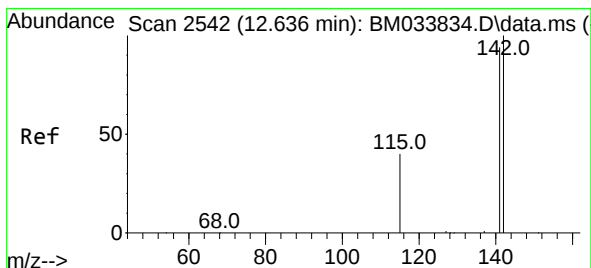
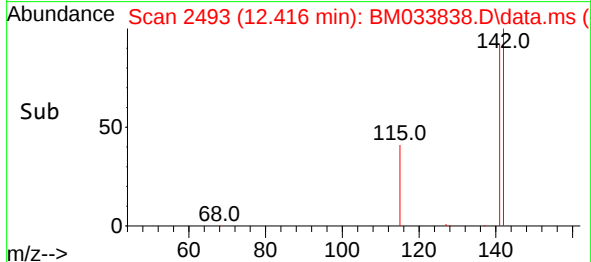
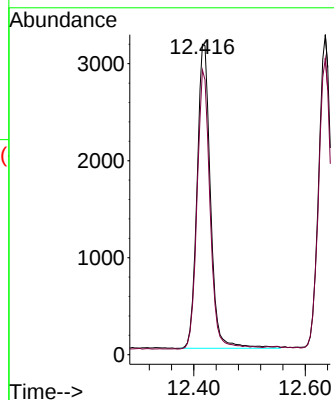
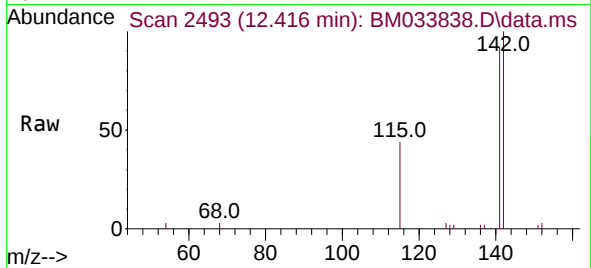




#7  
2-Methylnaphthalene  
Concen: 0.412 ng/ul  
RT: 12.416 min Scan# 2493  
Delta R.T. -0.005 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

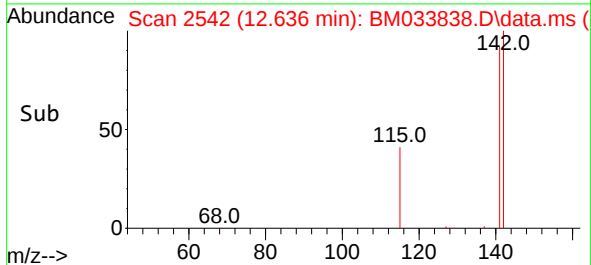
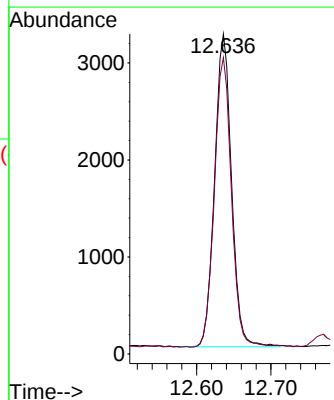
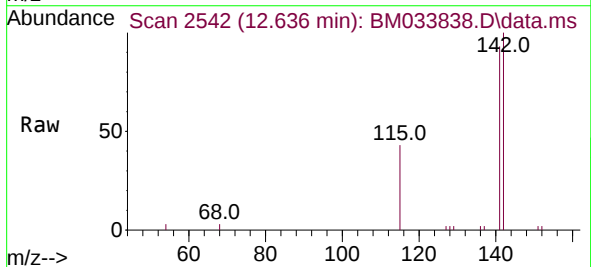
Instrument :  
BNA\_M  
ClientSampleId :

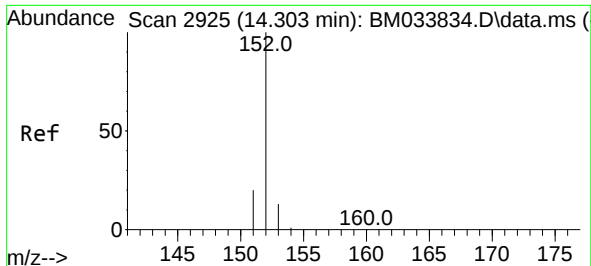
Tgt Ion:142 Resp: 5238  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.8 107.6



#8  
1-Methylnaphthalene  
Concen: 0.408 ng/ul  
RT: 12.636 min Scan# 2542  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:142 Resp: 5092  
Ion Ratio Lower Upper  
142 100  
141 93.9 75.0 112.4

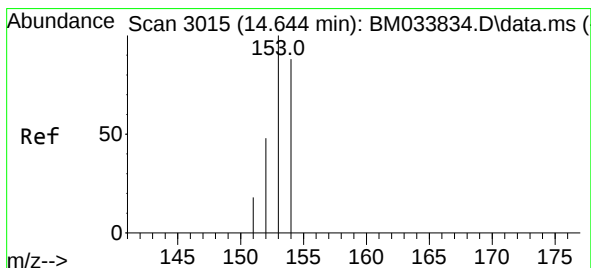
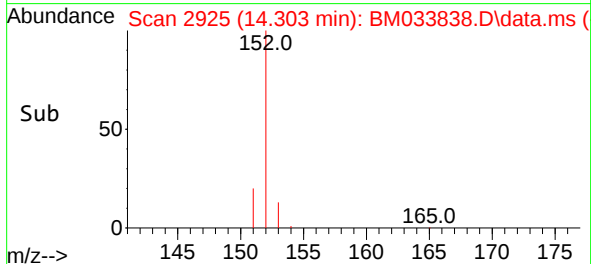
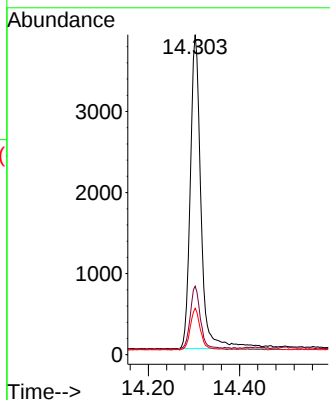
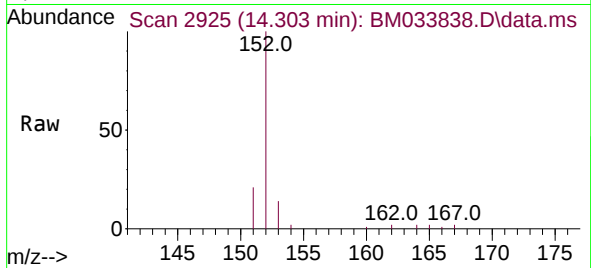




#10  
Acenaphthylene  
Concen: 0.397 ng/ul  
RT: 14.303 min Scan# 2925  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

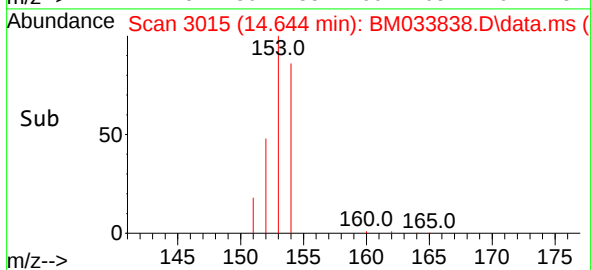
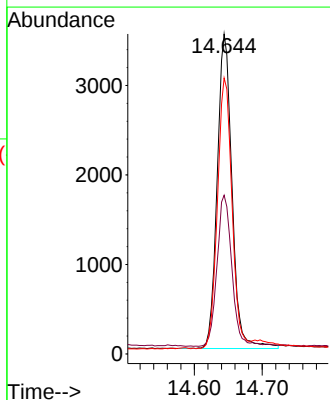
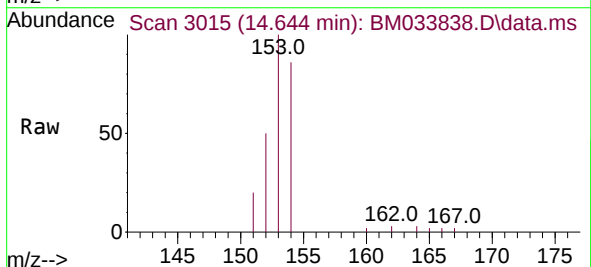
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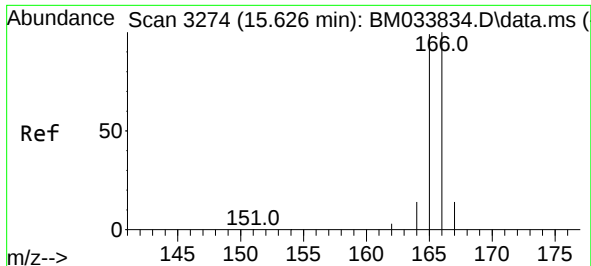
Tgt Ion:152 Resp: 6329  
Ion Ratio Lower Upper  
152 100  
151 21.4 19.9 29.9  
153 14.5 15.0 22.4#



#11  
Acenaphthene  
Concen: 0.415 ng/ul  
RT: 14.644 min Scan# 3015  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

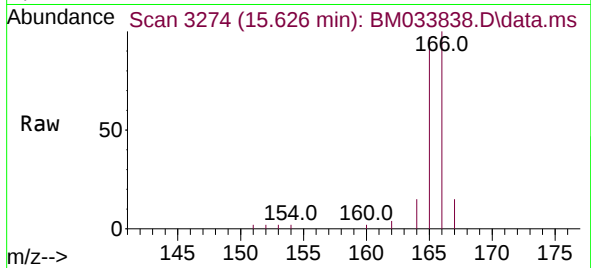
Tgt Ion:153 Resp: 5301  
Ion Ratio Lower Upper  
153 100  
152 49.6 42.4 63.6  
154 86.2 66.2 99.2



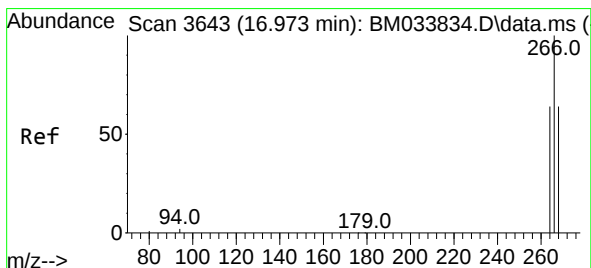
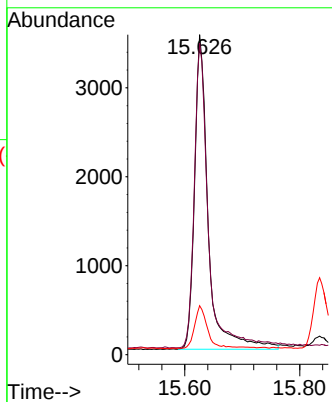
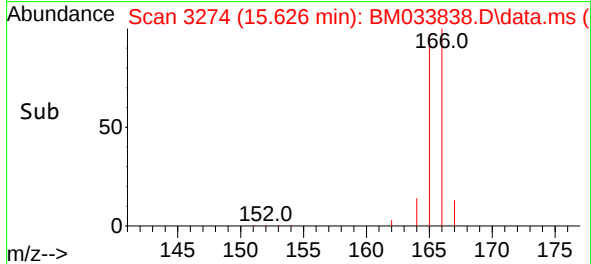


#12  
Fluorene  
Concen: 0.401 ng/ul  
RT: 15.626 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Instrument :  
BNA\_M  
ClientSampleId :

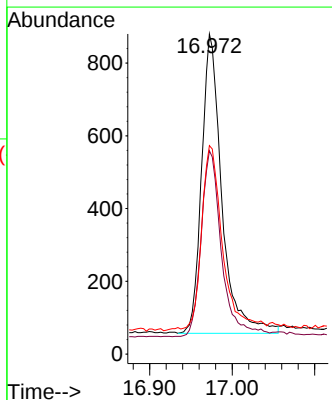
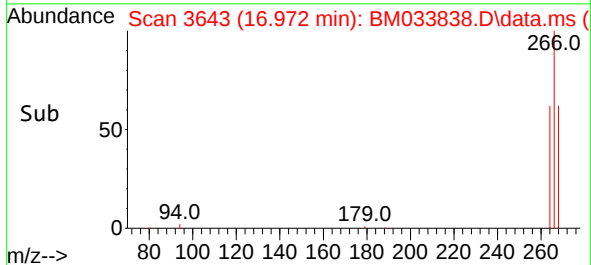
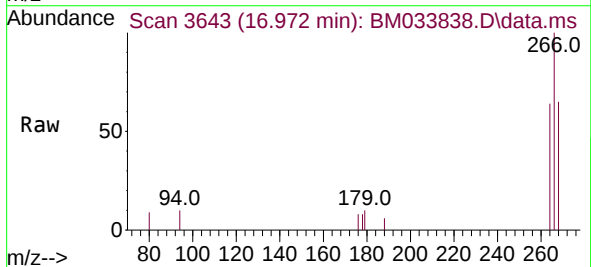


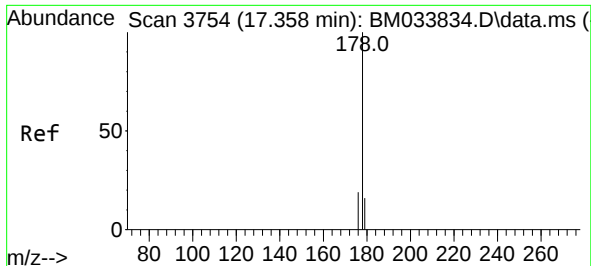
Tgt Ion:166 Resp: 5839  
Ion Ratio Lower Upper  
166 100  
165 97.3 81.1 121.7  
167 15.3 14.9 22.3



#14  
Pentachlorophenol  
Concen: 0.417 ng/ul  
RT: 16.972 min Scan# 3643  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:266 Resp: 1401  
Ion Ratio Lower Upper  
266 100  
264 62.5 51.4 77.0  
268 62.3 53.1 79.7

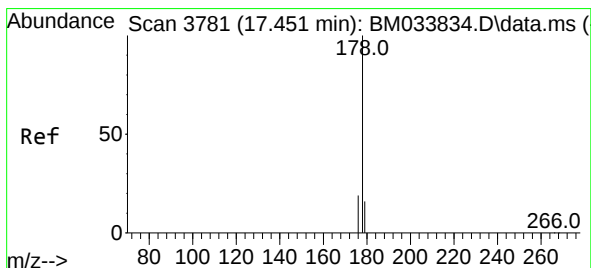
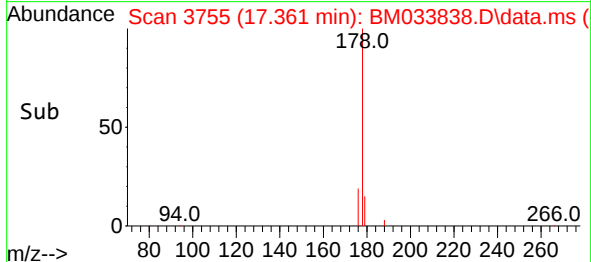
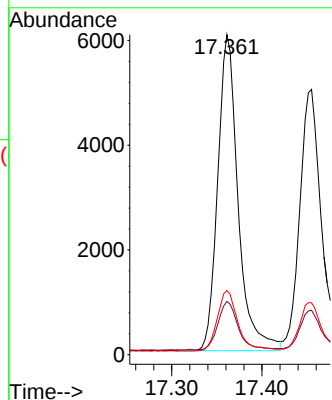
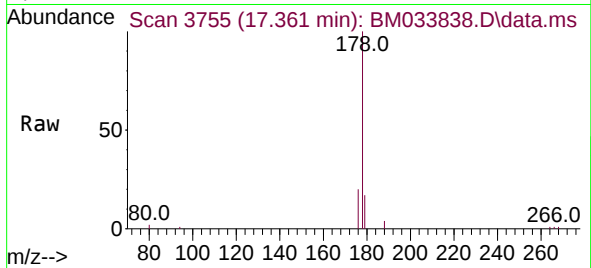




#15  
Phenanthrene  
Concen: 0.406 ng/u1  
RT: 17.361 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

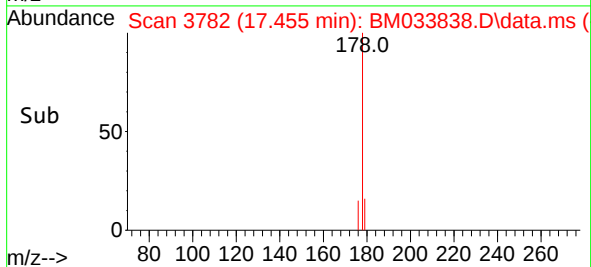
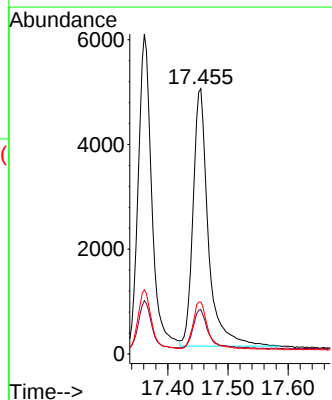
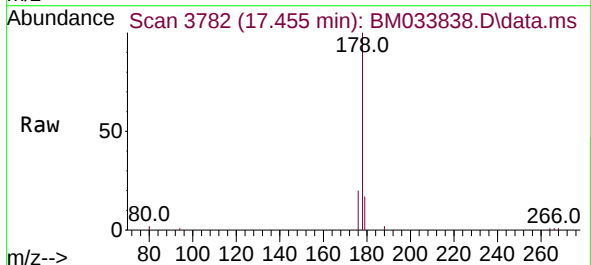
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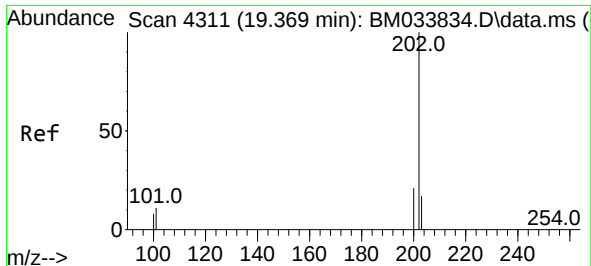
Tgt Ion:178 Resp: 9470  
Ion Ratio Lower Upper  
178 100  
179 16.6 15.0 22.6  
176 20.1 17.9 26.9



#16  
Anthracene  
Concen: 0.397 ng/u1  
RT: 17.455 min Scan# 3782  
Delta R.T. 0.003 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:178 Resp: 8670  
Ion Ratio Lower Upper  
178 100  
179 16.8 16.5 24.7  
176 19.5 18.3 27.5

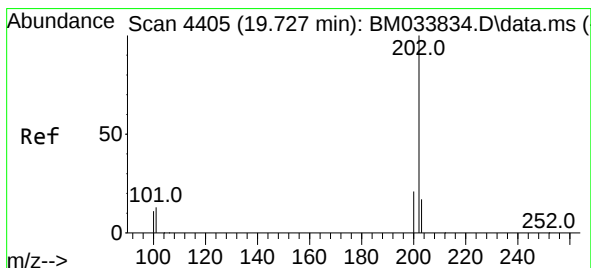
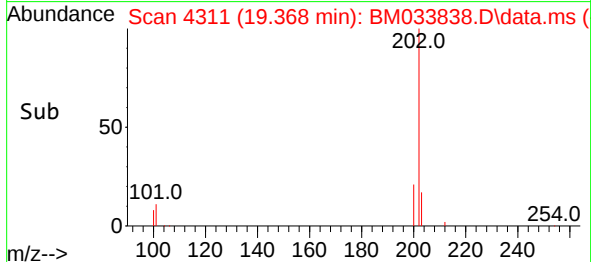
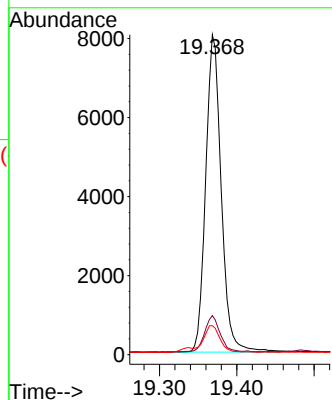
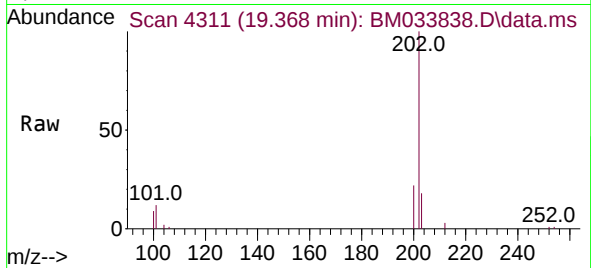




#19  
Fluoranthene  
Concen: 0.412 ng/ul  
RT: 19.368 min Scan# 4311  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

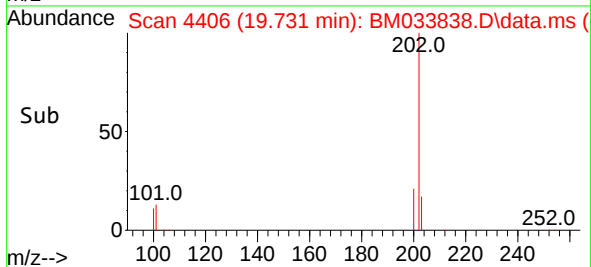
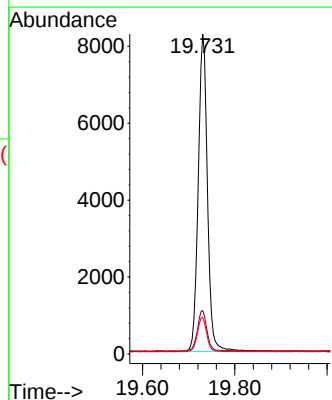
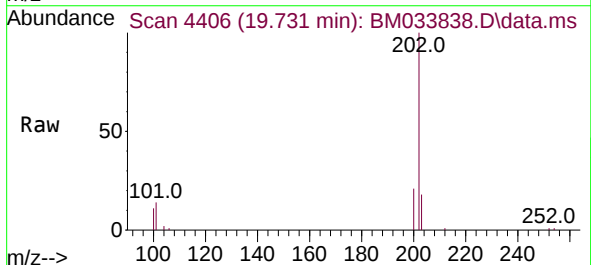
Instrument :  
BNA\_M  
ClientSampleId :

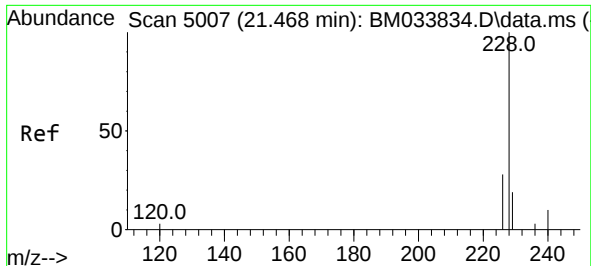
Tgt Ion:202 Resp: 11229  
Ion Ratio Lower Upper  
202 100  
101 12.2 9.2 13.8  
100 9.0 7.2 10.8



#20  
Pyrene  
Concen: 0.411 ng/ul  
RT: 19.731 min Scan# 4406  
Delta R.T. 0.004 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:202 Resp: 11461  
Ion Ratio Lower Upper  
202 100  
101 13.6 9.3 13.9  
100 11.4 7.8 11.6

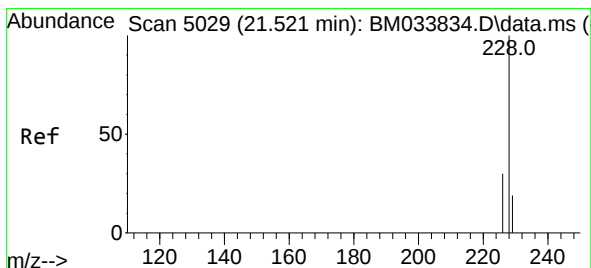
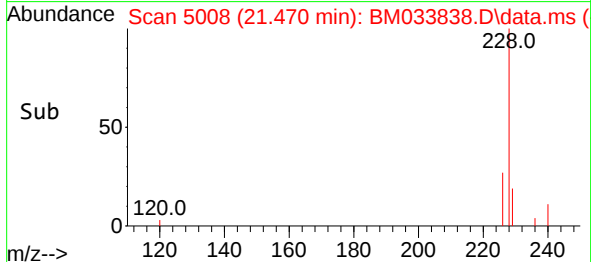
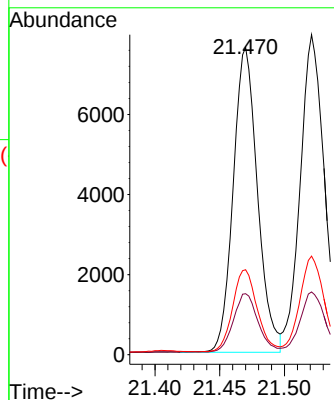
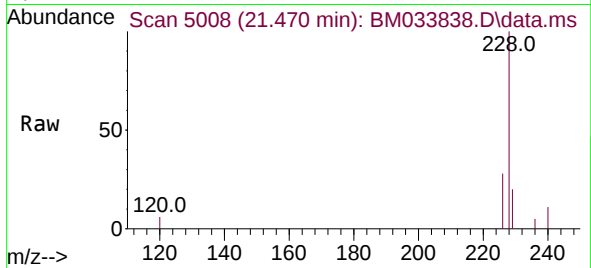




#21  
Benzo(a)anthracene  
Concen: 0.407 ng/ul  
RT: 21.470 min Scan# 5007  
Delta R.T. 0.002 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

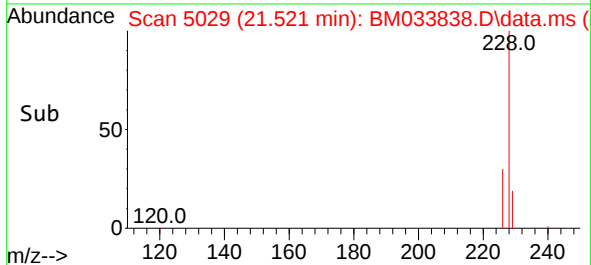
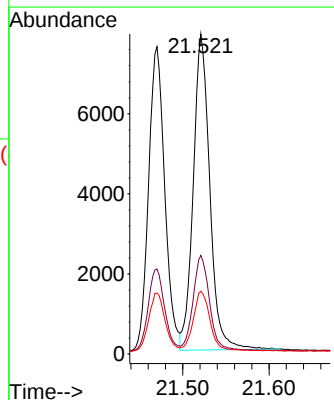
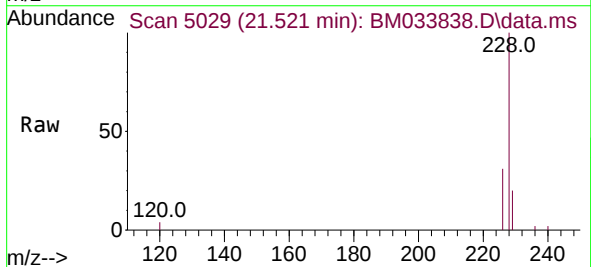
Instrument :  
BNA\_M  
ClientSampleId :

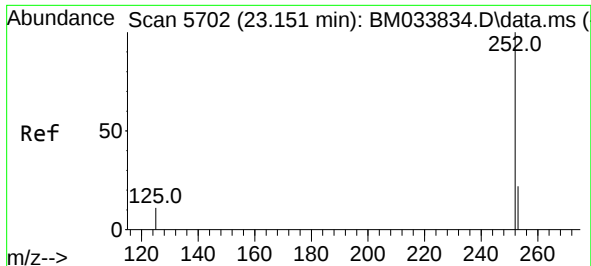
Tgt Ion:228 Resp: 9936  
Ion Ratio Lower Upper  
228 100  
229 19.9 17.3 25.9  
226 27.7 23.2 34.8



#22  
Chrysene  
Concen: 0.407 ng/ul  
RT: 21.521 min Scan# 5029  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:228 Resp: 10531  
Ion Ratio Lower Upper  
228 100  
226 30.8 25.8 38.8  
229 19.6 16.7 25.1

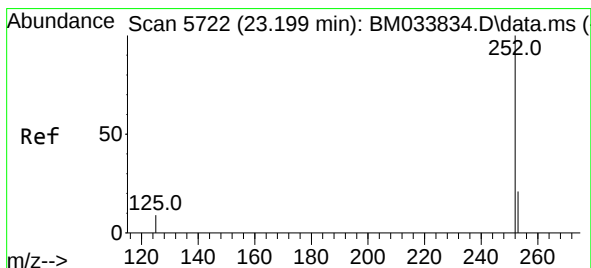
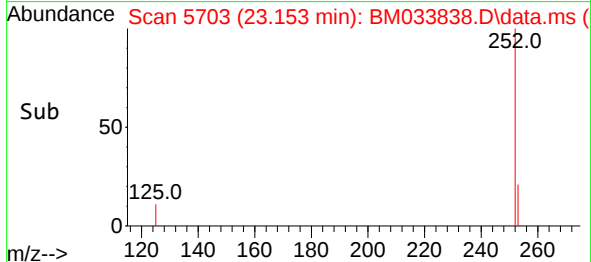
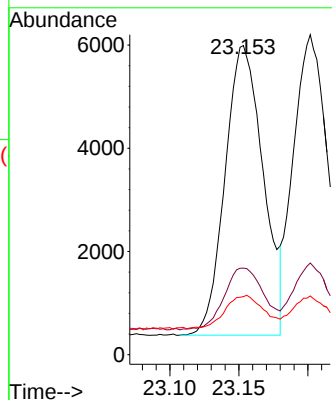
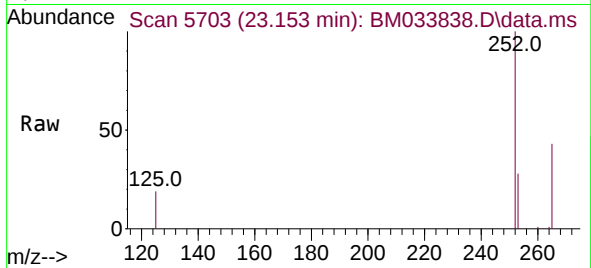




#24  
Benzo(b)fluoranthene  
Concen: 0.411 ng/ul  
RT: 23.153 min Scan# 51  
Delta R.T. 0.002 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

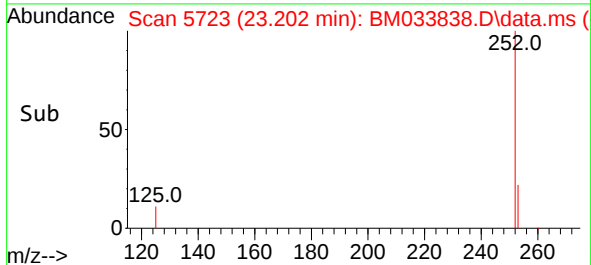
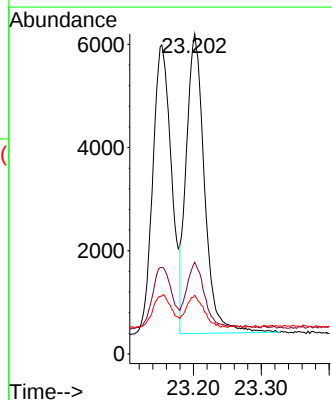
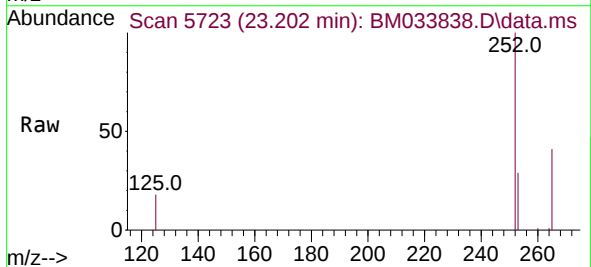
Instrument :  
BNA\_M  
ClientSampleId :

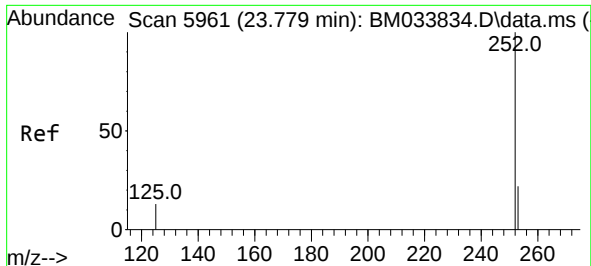
Tgt Ion:252 Resp: 10811  
Ion Ratio Lower Upper  
252 100  
253 28.0 0.0 64.2  
125 18.8 0.0 28.8



#25  
Benzo(k)fluoranthene  
Concen: 0.410 ng/ul  
RT: 23.202 min Scan# 5723  
Delta R.T. 0.002 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:252 Resp: 10813  
Ion Ratio Lower Upper  
252 100  
253 28.7 26.8 40.2  
125 18.3 12.0 18.0#

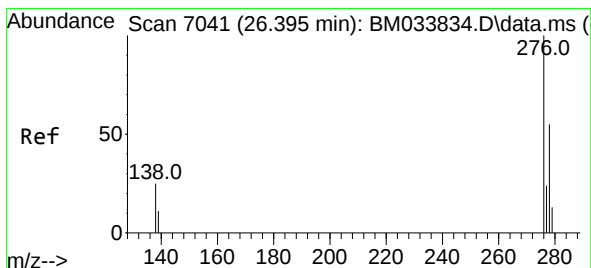
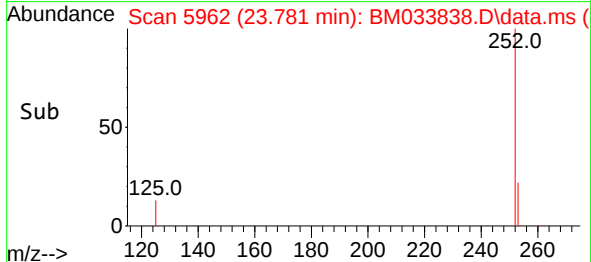
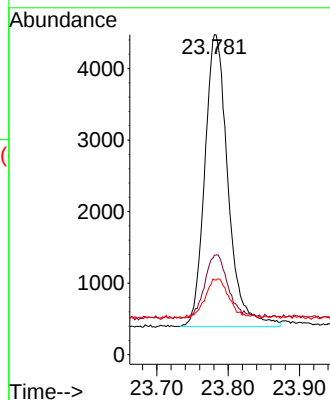
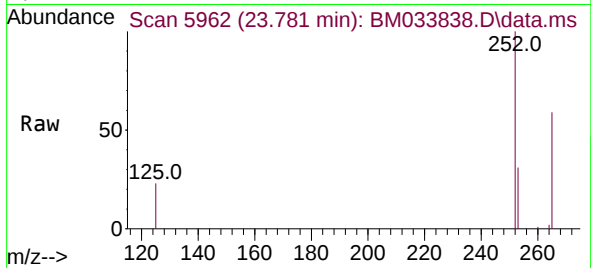




#26  
Benzo(a)pyrene  
Concen: 0.404 ng/ul  
RT: 23.781 min Scan# 5961  
Delta R.T. 0.002 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

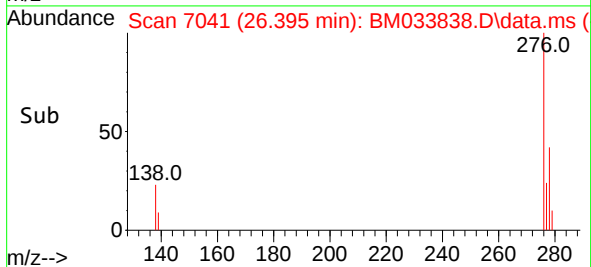
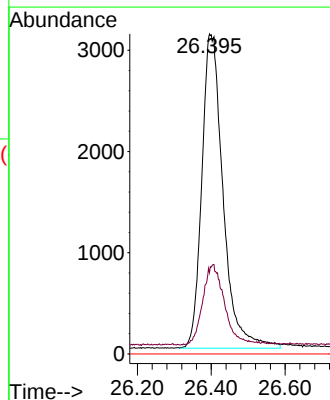
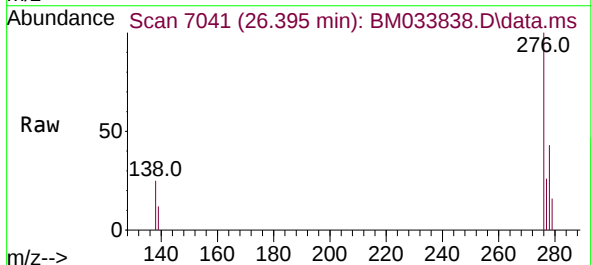
Instrument :  
BNA\_M  
ClientSampleId :

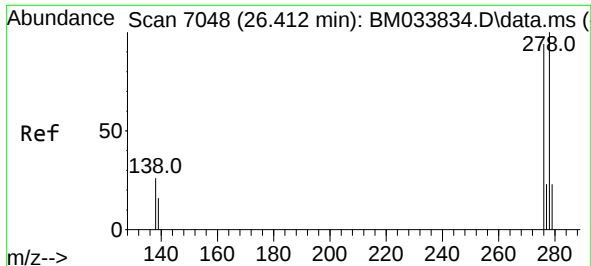
Tgt Ion:252 Resp: 9225  
Ion Ratio Lower Upper  
252 100  
253 31.1 32.0 48.0#  
125 23.4 14.5 21.7#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.409 ng/ul  
RT: 26.395 min Scan# 7041  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

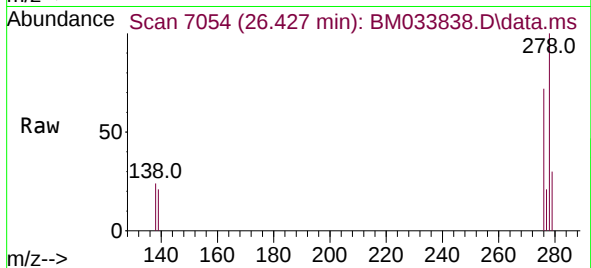
Tgt Ion:276 Resp: 12434  
Ion Ratio Lower Upper  
276 100  
138 25.7 15.8 23.6#  
227 0.0 0.0 0.0



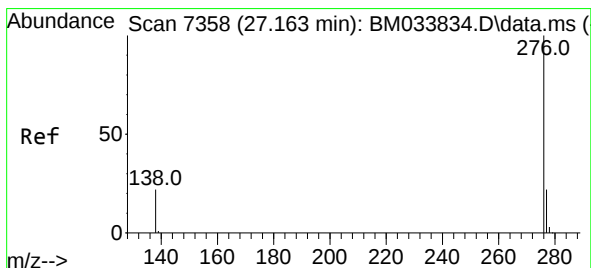
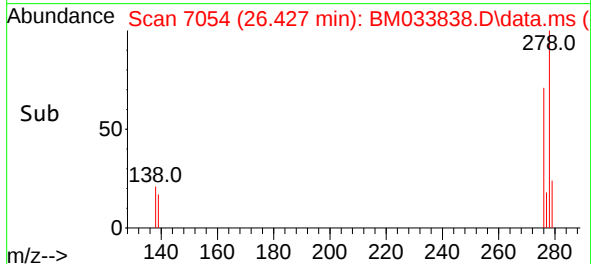
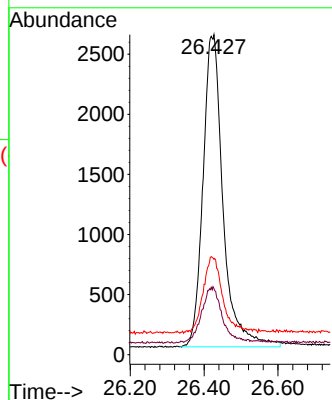


#28  
Dibenzo(a,h)anthracene  
Concen: 0.408 ng/ul  
RT: 26.427 min Scan# 7054  
Delta R.T. 0.014 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:278 Resp: 9778  
Ion Ratio Lower Upper  
278 100  
139 20.7 18.0 27.0  
279 29.8 28.6 42.8



#29  
Benzo(g,h,i)perylene  
Concen: 0.413 ng/ul  
RT: 27.163 min Scan# 7358  
Delta R.T. -0.000 min  
Lab File: BM033838.D  
Acq: 24 Jan 2022 15:27

Tgt Ion:276 Resp: 10658  
Ion Ratio Lower Upper  
276 100  
138 25.8 17.4 26.0  
277 25.0 22.6 33.8

