

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111921\  
 Data File : BM033172.D  
 Acq On : 19 Nov 2021 12:40  
 Operator : CG/JU  
 Sample : SST0.257  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Nov 19 15:05:27 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM111921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 19 14:17:00 2021  
 Response via : Initial Calibration

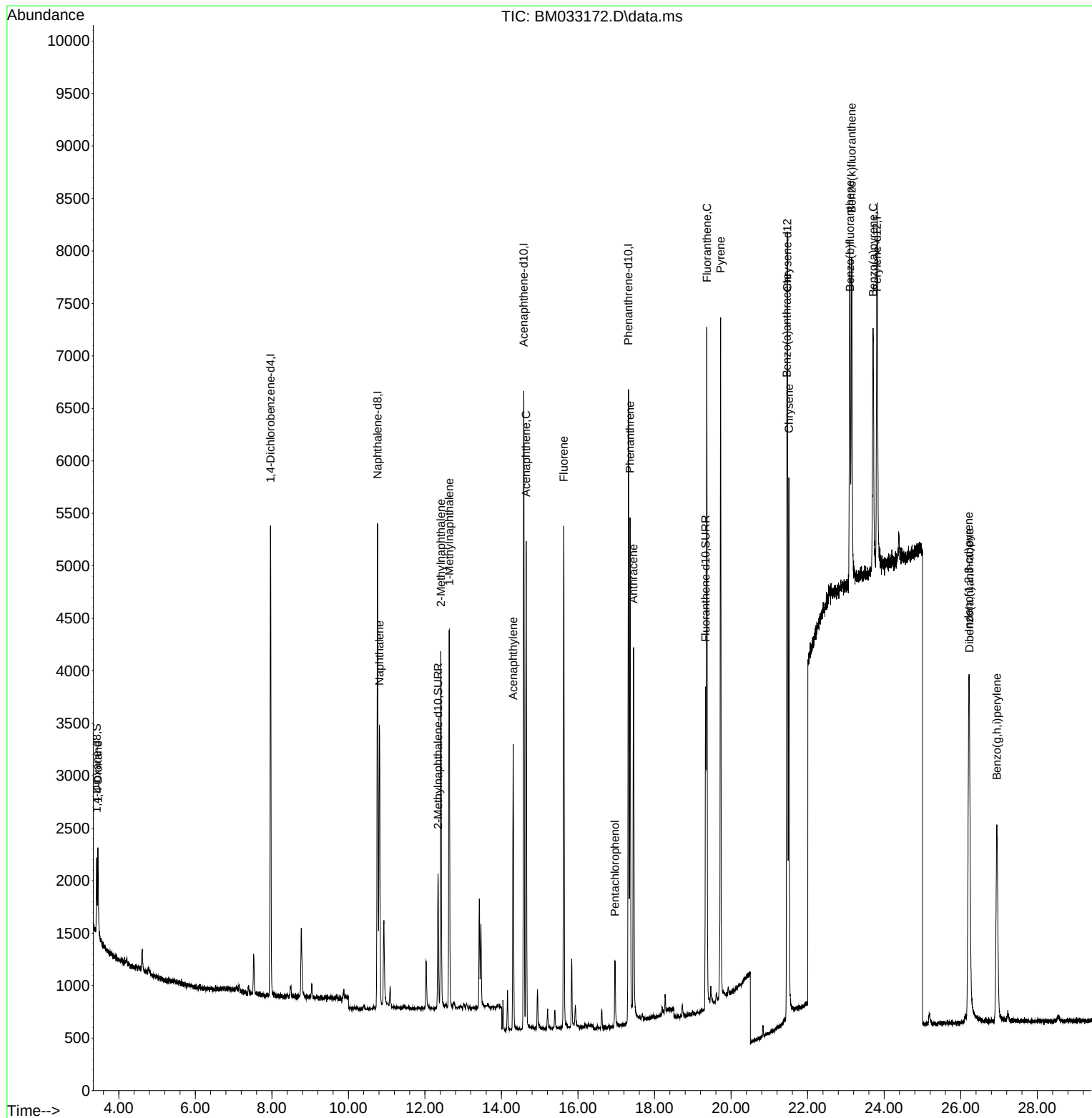
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.963  | 152  | 2331     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.760 | 136  | 6238     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.580 | 164  | 3469     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.316 | 188  | 7352     | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.470 | 240  | 5851     | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.813 | 264  | 4969     | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.423  | 96   | 479      | 0.161 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.343 | 152  | 1724     | 0.195 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.334 | 212  | 3474     | 0.196 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.454  | 88   | 482      | 0.158 | ng/ul#  | 76       |
| 5) Naphthalene              | 10.814 | 128  | 3928     | 0.217 | ng/ul   | 99       |
| 7) 2-Methylnaphthalene      | 12.415 | 142  | 2488     | 0.198 | ng/ul   | 98       |
| 8) 1-Methylnaphthalene      | 12.635 | 142  | 2437     | 0.198 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.307 | 152  | 3226     | 0.214 | ng/ul#  | 97       |
| 11) Acenaphthene            | 14.644 | 153  | 2718     | 0.206 | ng/ul   | 100      |
| 12) Fluorene                | 15.626 | 166  | 3016     | 0.194 | ng/ul   | 99       |
| 14) Pentachlorophenol       | 16.962 | 266  | 490      | 0.256 | ng/ul   | 94       |
| 15) Phenanthrene            | 17.358 | 178  | 5425     | 0.222 | ng/ul   | 96       |
| 16) Anthracene              | 17.448 | 178  | 4335     | 0.202 | ng/ul   | 96       |
| 19) Fluoranthene            | 19.365 | 202  | 5914     | 0.216 | ng/ul   | 99       |
| 20) Pyrene                  | 19.727 | 202  | 5847     | 0.205 | ng/ul   | 99       |
| 21) Benzo(a)anthracene      | 21.456 | 228  | 4258     | 0.197 | ng/ul   | 97       |
| 22) Chrysene                | 21.509 | 228  | 4757     | 0.195 | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 23.103 | 252  | 4575     | 0.201 | ng/ul   | 78       |
| 25) Benzo(k)fluoranthene    | 23.151 | 252  | 4619     | 0.189 | ng/ul#  | 79       |
| 26) Benzo(a)pyrene          | 23.711 | 252  | 3750     | 0.200 | ng/ul#  | 74       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.211 | 276  | 4856     | 0.225 | ng/ul#  | 89       |
| 28) Dibenzo(a,h)anthracene  | 26.226 | 278  | 3777     | 0.221 | ng/ul#  | 90       |
| 29) Benzo(g,h,i)perylene    | 26.943 | 276  | 4335     | 0.231 | ng/ul   | 96       |
| -----                       |        |      |          |       |         |          |

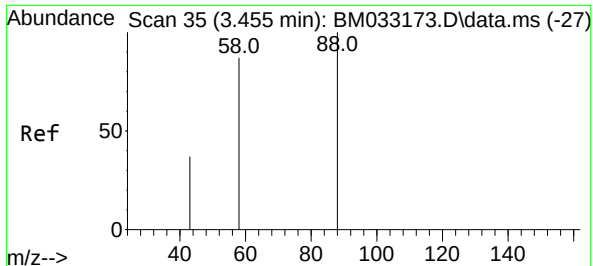
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111921\  
Data File : BM033172.D  
Acq On : 19 Nov 2021 12:40  
Operator : CG/JU  
Sample : SST0.257  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

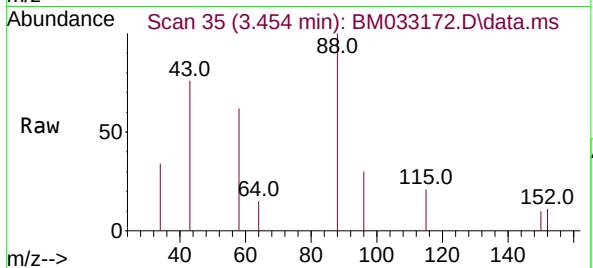
Quant Time: Nov 19 15:05:27 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM111921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 19 14:17:00 2021  
Response via : Initial Calibration





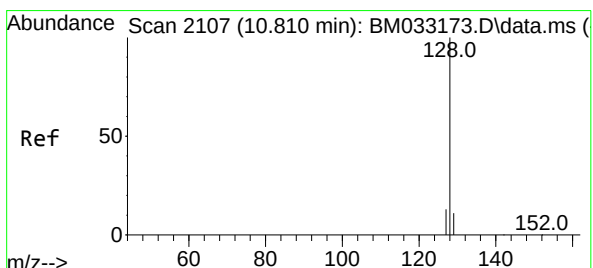
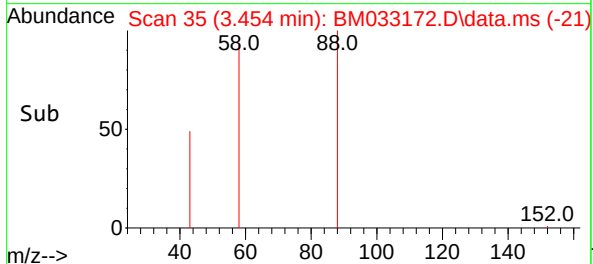
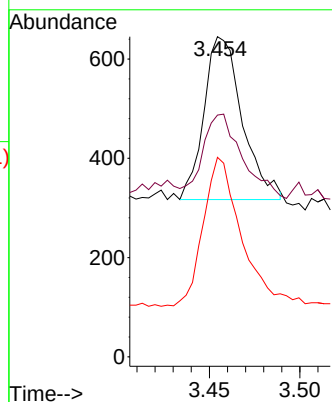
#2  
 1,4-Dioxane  
 Concen: 0.158 ng/ul  
 RT: 3.454 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BM033172.D  
 Acq: 19 Nov 2021 12:40

Instrument :  
 BNA\_M  
 ClientSampleId :



Tgt Ion: 88 Resp: 482

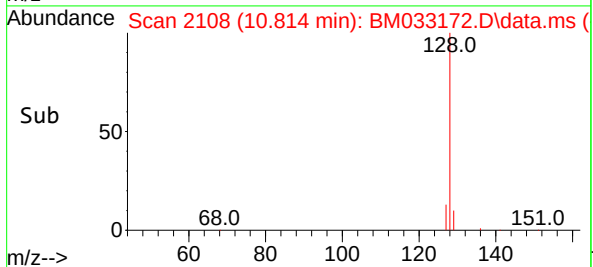
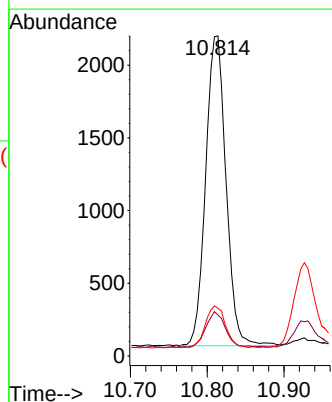
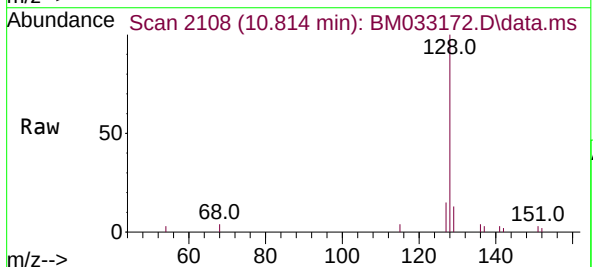
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 75.5  | 35.8  | 53.8# |
| 58  | 62.3  | 55.8  | 83.8  |

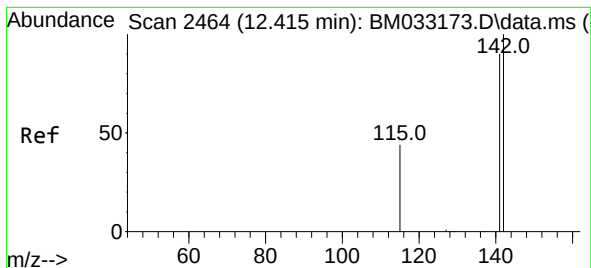


#5  
 Naphthalene  
 Concen: 0.217 ng/ul  
 RT: 10.814 min Scan# 2108  
 Delta R.T. 0.004 min  
 Lab File: BM033172.D  
 Acq: 19 Nov 2021 12:40

Tgt Ion: 128 Resp: 3928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 12.8  | 9.8   | 14.6  |
| 127 | 14.9  | 11.8  | 17.8  |

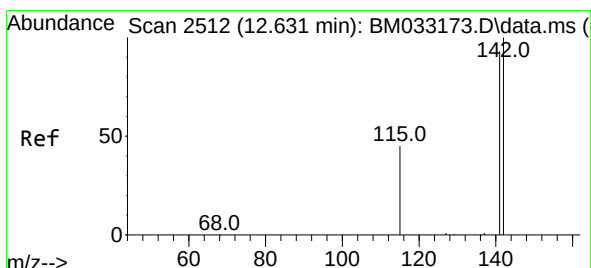
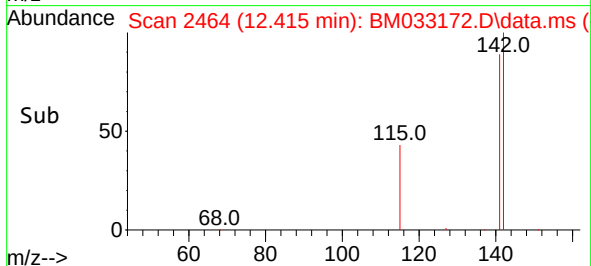
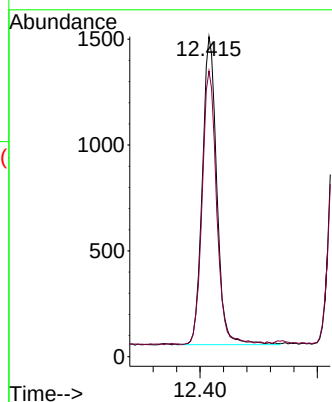
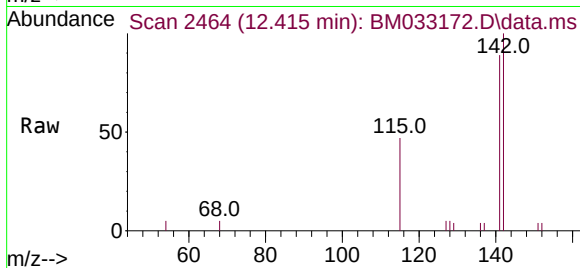




#7  
2-Methylnaphthalene  
Concen: 0.198 ng/ul  
RT: 12.415 min Scan# 2464  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

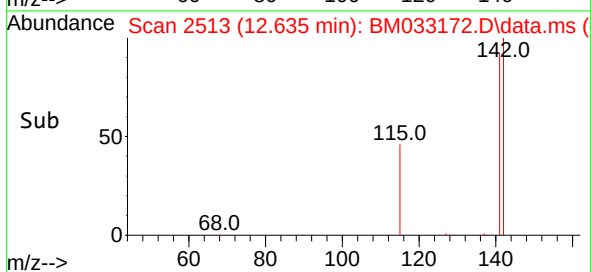
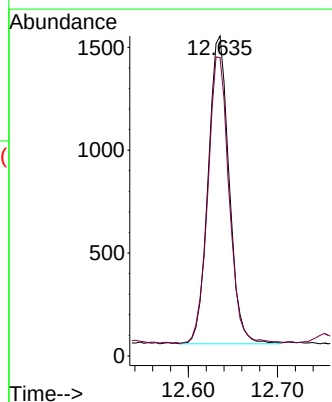
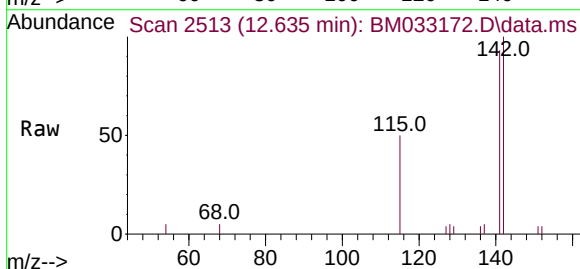
Instrument :  
BNA\_M  
ClientSampleId :

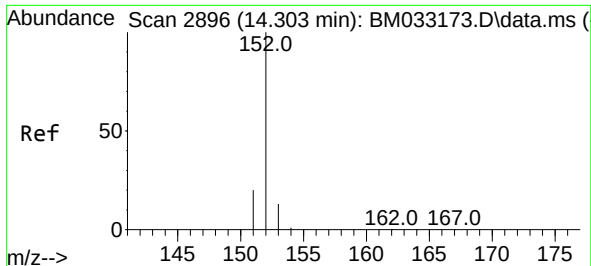
Tgt Ion:142 Resp: 2488  
Ion Ratio Lower Upper  
142 100  
141 89.3 73.3 109.9



#8  
1-Methylnaphthalene  
Concen: 0.198 ng/ul  
RT: 12.635 min Scan# 2513  
Delta R.T. 0.004 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:142 Resp: 2437  
Ion Ratio Lower Upper  
142 100  
141 94.2 74.5 111.7

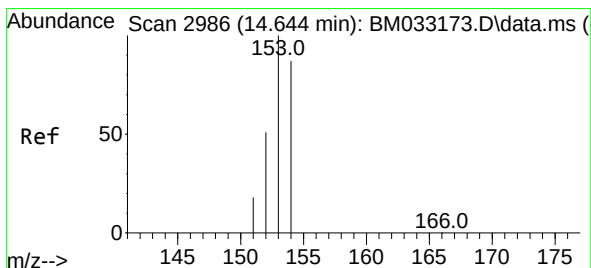
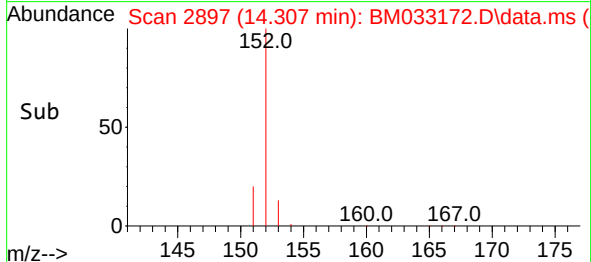
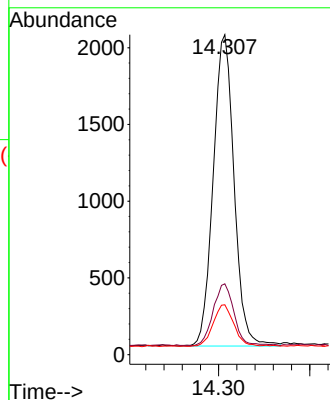
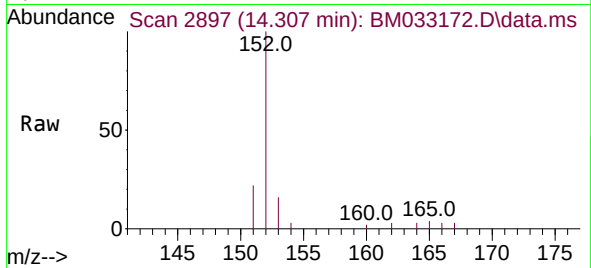




#10  
Acenaphthylene  
Concen: 0.214 ng/ul  
RT: 14.307 min Scan# 2896  
Delta R.T. 0.004 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

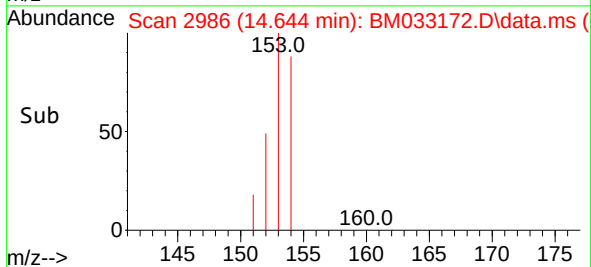
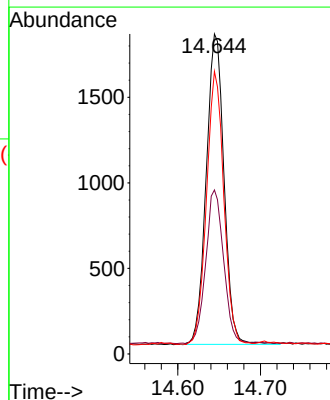
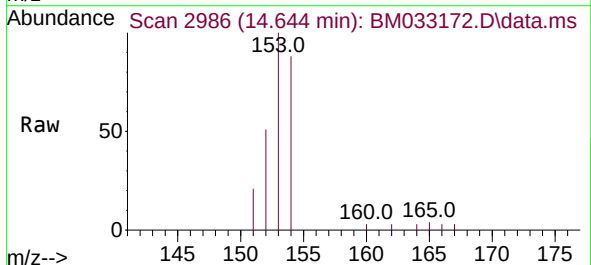
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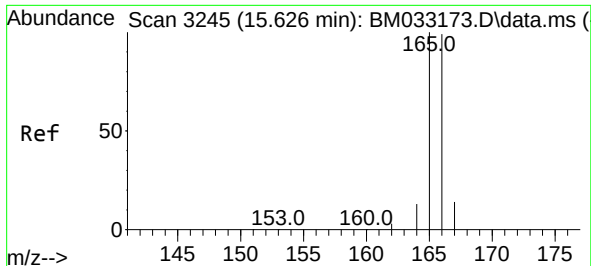
Tgt Ion:152 Resp: 3226  
Ion Ratio Lower Upper  
152 100  
151 22.2 16.7 25.1  
153 15.6 0.0 0.0#



#11  
Acenaphthene  
Concen: 0.206 ng/ul  
RT: 14.644 min Scan# 2986  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:153 Resp: 2718  
Ion Ratio Lower Upper  
153 100  
152 51.2 40.6 60.8  
154 88.3 70.8 106.2

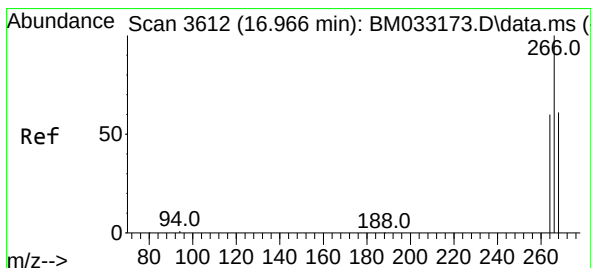
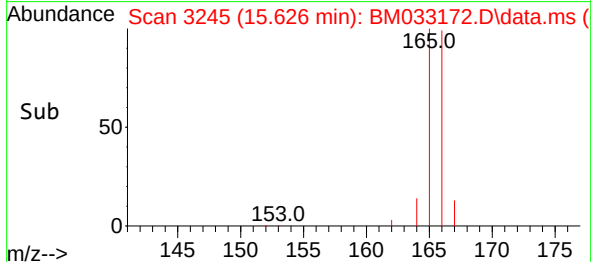
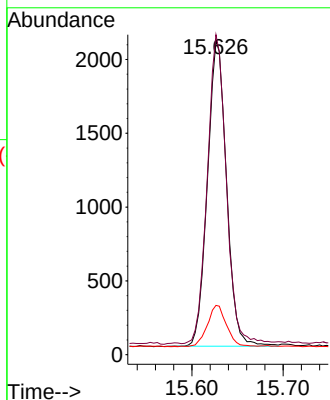
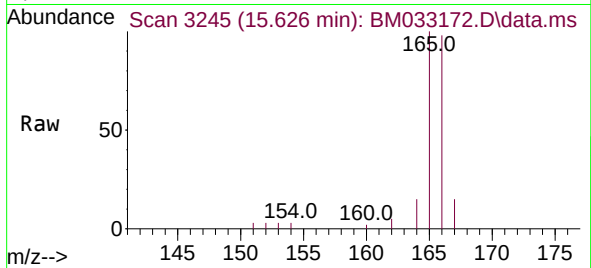




#12  
Fluorene  
Concen: 0.194 ng/ul  
RT: 15.626 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

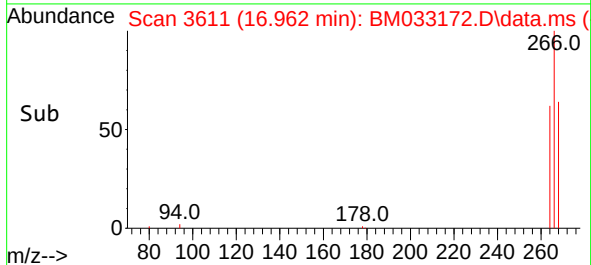
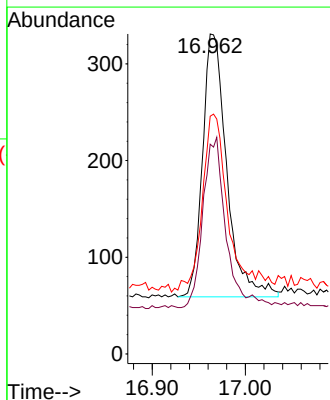
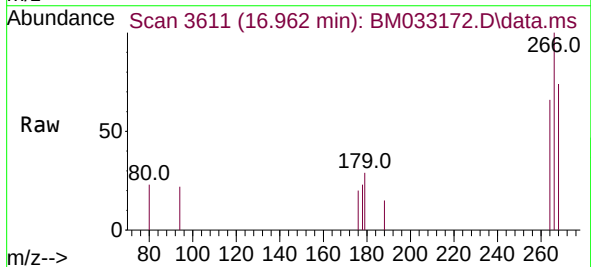
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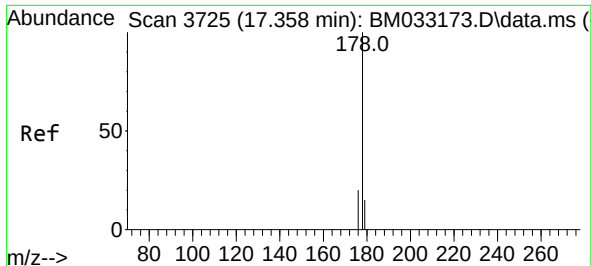
Tgt Ion:166 Resp: 3016  
Ion Ratio Lower Upper  
166 100  
165 102.0 80.8 121.2  
167 15.7 11.7 17.5



#14  
Pentachlorophenol  
Concen: 0.256 ng/ul  
RT: 16.962 min Scan# 3611  
Delta R.T. -0.004 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:266 Resp: 490  
Ion Ratio Lower Upper  
266 100  
264 62.0 51.2 76.8  
268 73.7 52.9 79.3

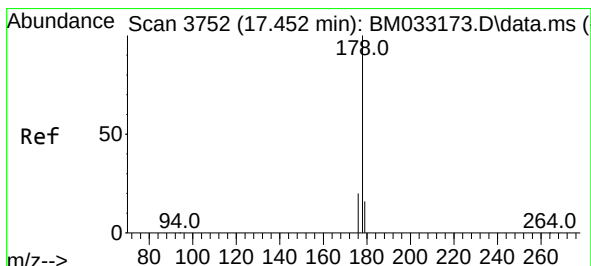
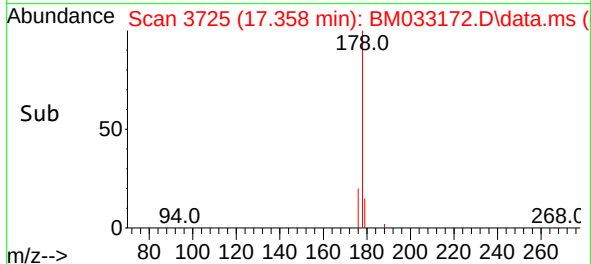
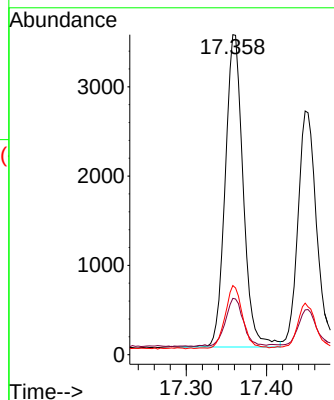
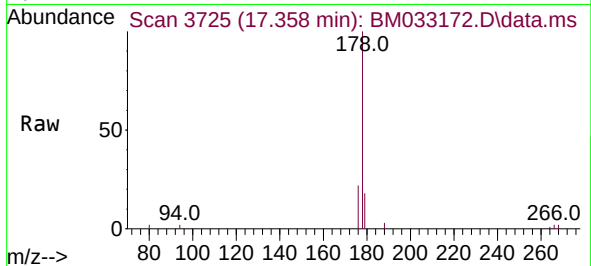




#15  
Phenanthrene  
Concen: 0.222 ng/ul  
RT: 17.358 min Scan# 3725  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

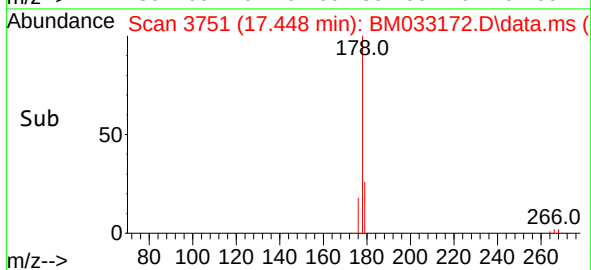
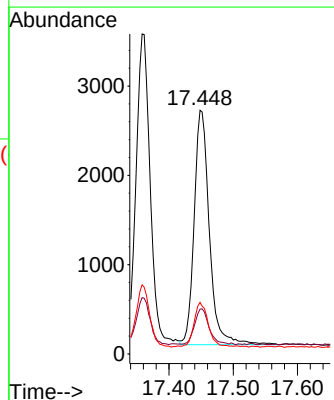
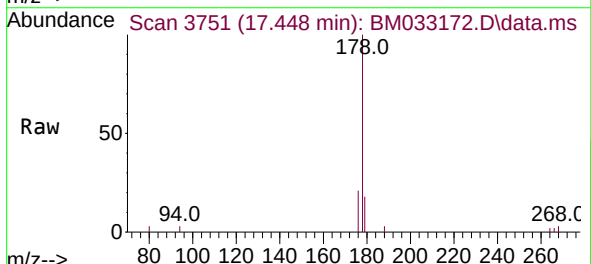
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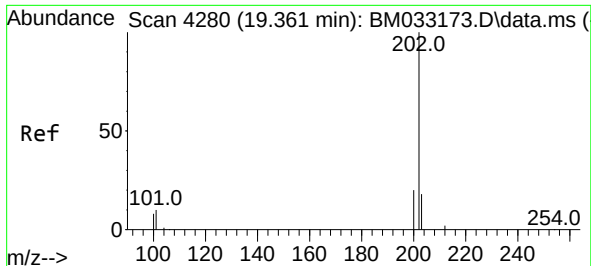
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Ion Ratio Lower Upper  
178 100  
179 17.6 12.9 19.3  
176 21.6 16.0 24.0



#16  
Anthracene  
Concen: 0.202 ng/ul  
RT: 17.448 min Scan# 3751  
Delta R.T. -0.004 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:178 Resp: 4335  
Ion Ratio Lower Upper  
178 100  
179 18.4 13.0 19.6  
176 21.1 15.6 23.4

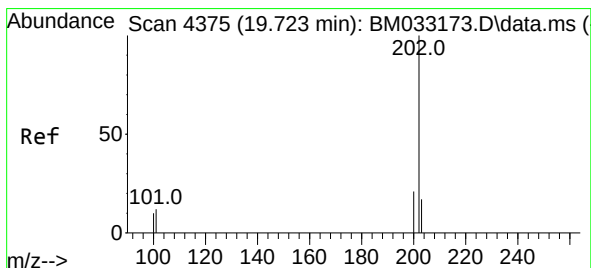
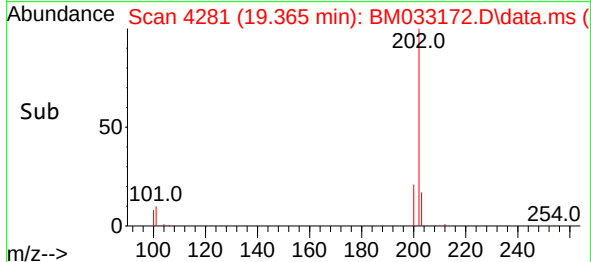
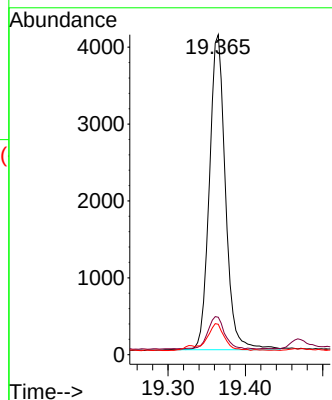
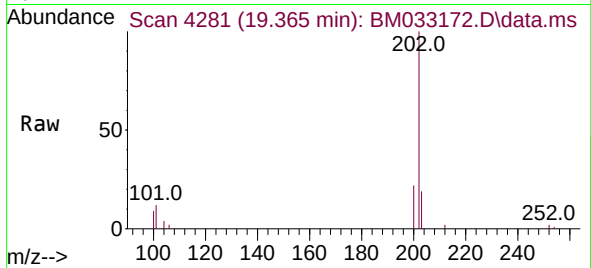




#19  
Fluoranthene  
Concen: 0.216 ng/u1  
RT: 19.365 min Scan# 4280  
Delta R.T. 0.004 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

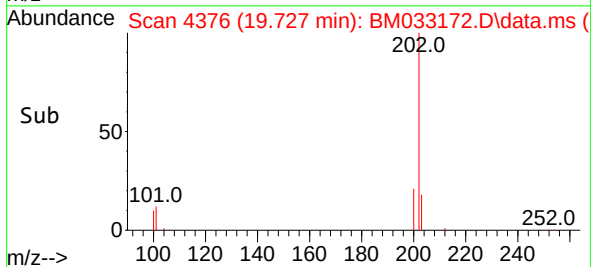
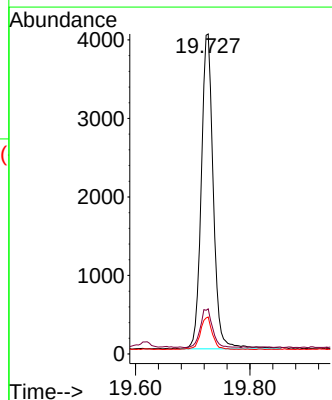
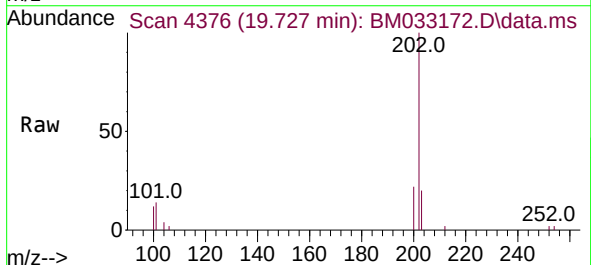
Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:202 Resp: 5914  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.9 14.9  
100 9.5 7.3 10.9

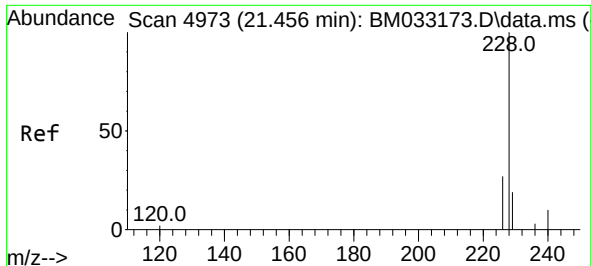


#20  
Pyrene  
Concen: 0.205 ng/u1  
RT: 19.727 min Scan# 4376  
Delta R.T. 0.004 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:202 Resp: 5847  
Ion Ratio Lower Upper  
202 100  
101 14.1 11.8 17.6  
100 11.6 9.5 14.3



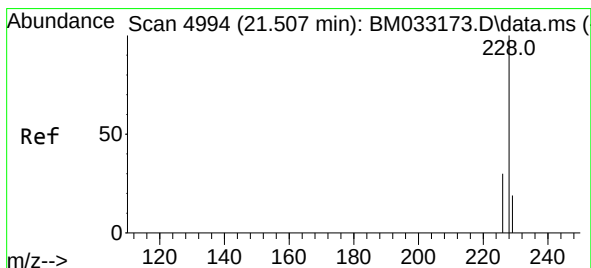
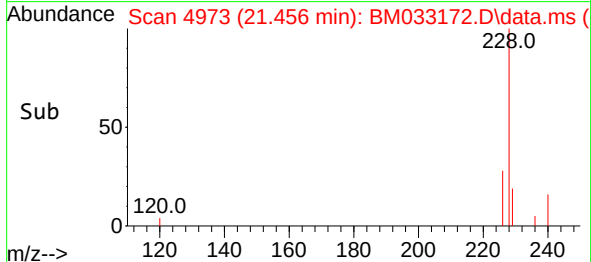
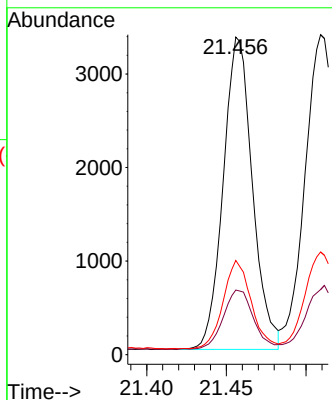
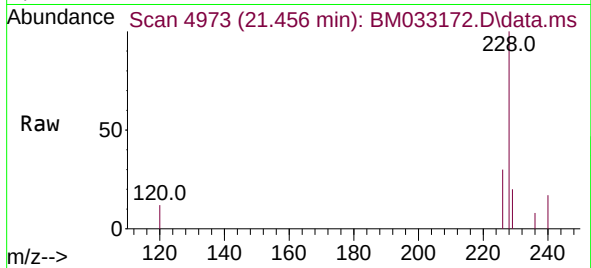




#21  
Benzo(a)anthracene  
Concen: 0.197 ng/ul  
RT: 21.456 min Scan# 4973  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

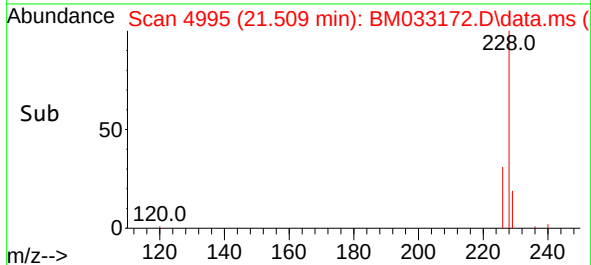
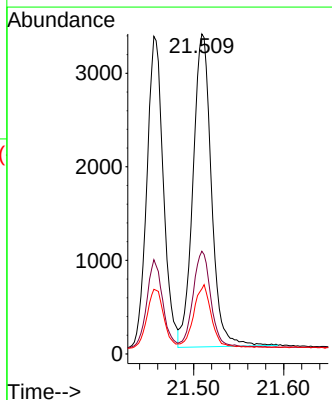
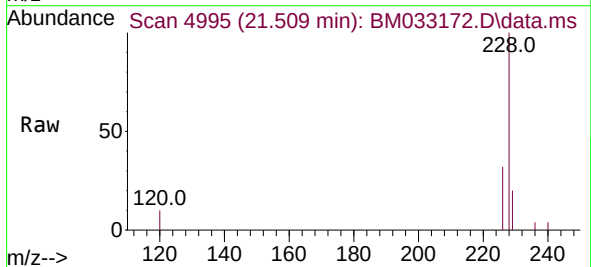
Instrument :  
BNA\_M  
ClientSampleId :

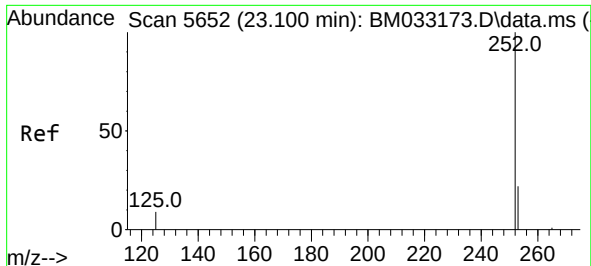
Tgt Ion:228 Resp: 4258  
Ion Ratio Lower Upper  
228 100  
229 20.3 15.7 23.5  
226 29.7 22.4 33.6



#22  
Chrysene  
Concen: 0.195 ng/ul  
RT: 21.509 min Scan# 4995  
Delta R.T. 0.002 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

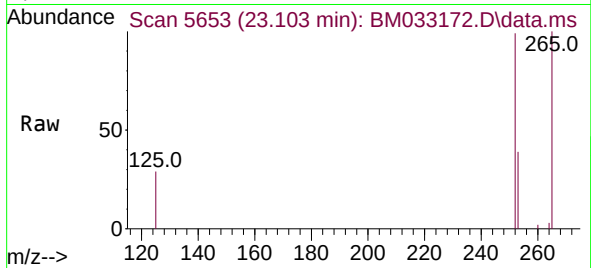
Tgt Ion:228 Resp: 4757  
Ion Ratio Lower Upper  
228 100  
226 32.1 24.9 37.3  
229 20.4 16.1 24.1



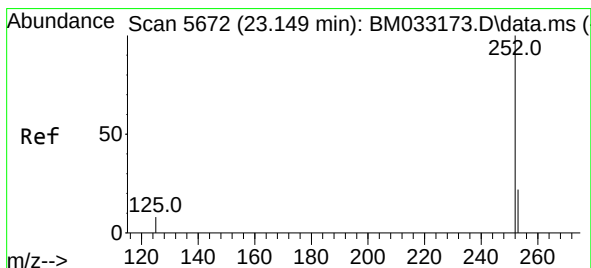
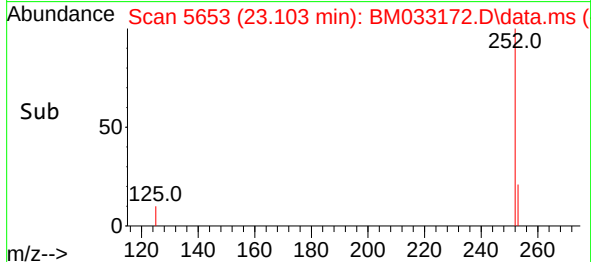
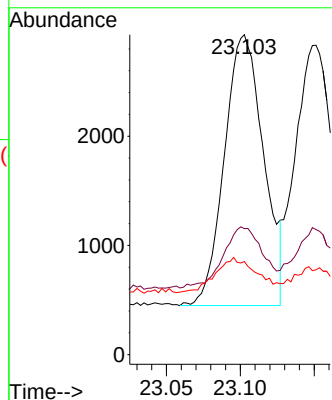


#24  
Benzo(b)fluoranthene  
Concen: 0.201 ng/ul  
RT: 23.103 min Scan# 5653  
Delta R.T. 0.002 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Instrument :  
BNA\_M  
ClientSampleId :

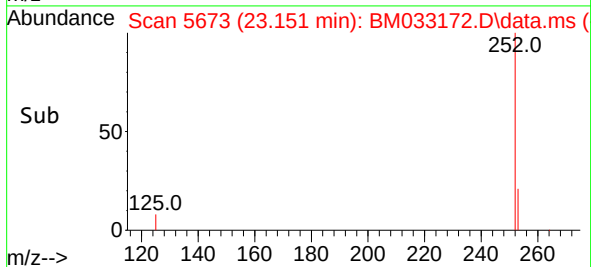
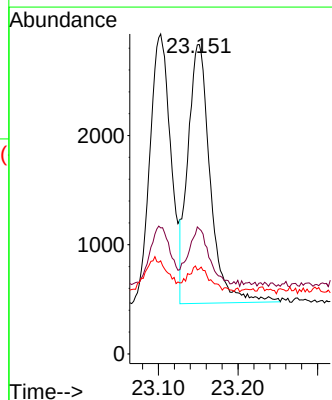
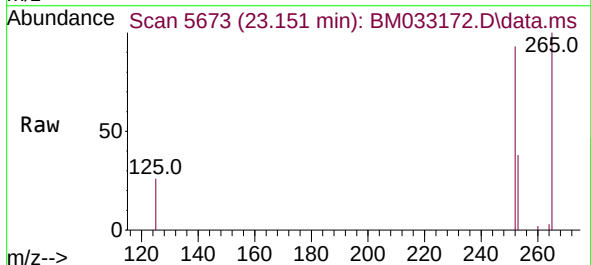


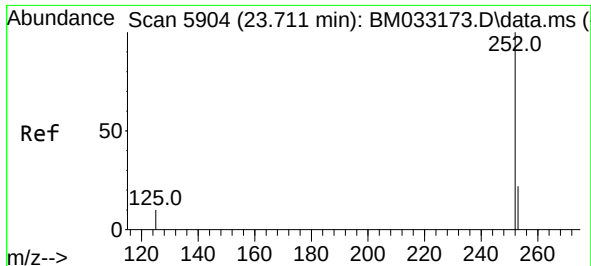
Tgt Ion:252 Resp: 4575  
Ion Ratio Lower Upper  
252 100  
253 39.4 0.0 59.2  
125 29.1 0.0 34.2



#25  
Benzo(k)fluoranthene  
Concen: 0.189 ng/ul  
RT: 23.151 min Scan# 5673  
Delta R.T. 0.002 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

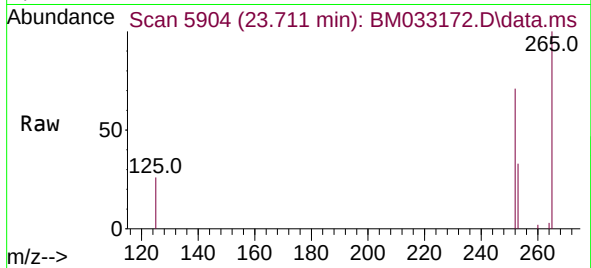
Tgt Ion:252 Resp: 4619  
Ion Ratio Lower Upper  
252 100  
253 40.5 23.1 34.7#  
125 27.5 14.6 21.8#



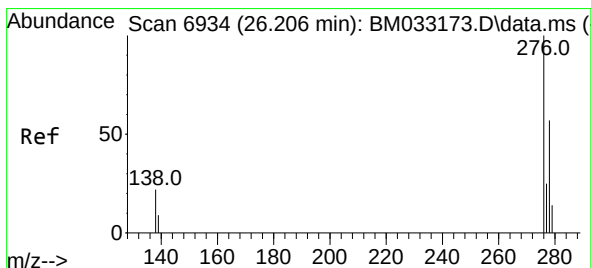
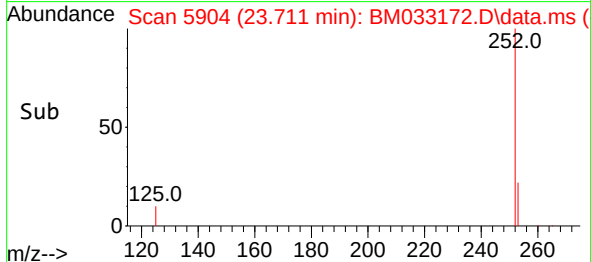
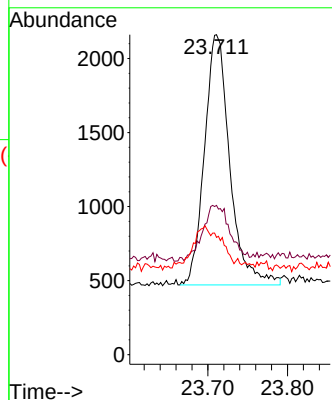


#26  
Benzo(a)pyrene  
Concen: 0.200 ng/ul  
RT: 23.711 min Scan# 5904  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Instrument :  
BNA\_M  
ClientSampleId :

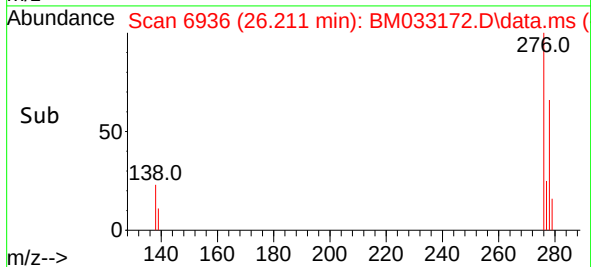
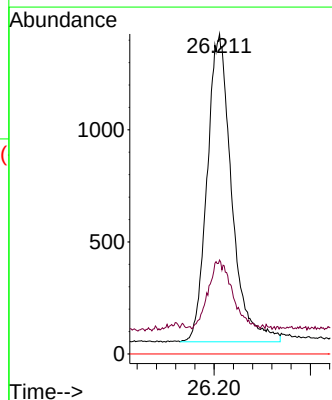
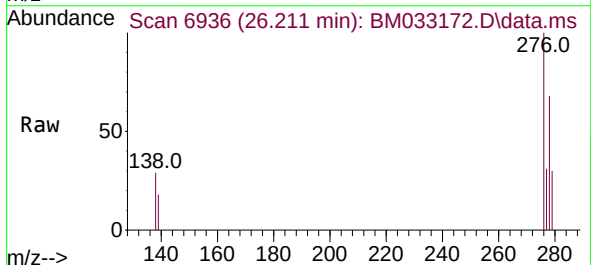


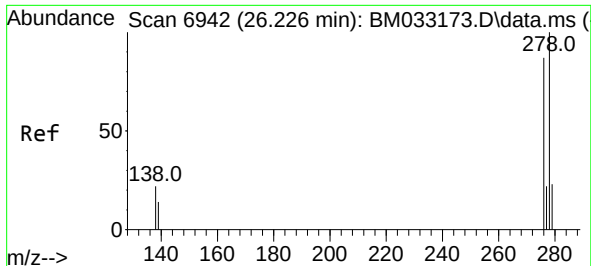
Tgt Ion:252 Resp: 3750  
Ion Ratio Lower Upper  
252 100  
253 46.6 27.1 40.7#  
125 36.6 17.4 26.2#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.225 ng/ul  
RT: 26.211 min Scan# 6936  
Delta R.T. 0.005 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:276 Resp: 4856  
Ion Ratio Lower Upper  
276 100  
138 22.9 22.9 34.3  
227 0.0 0.0 0.0

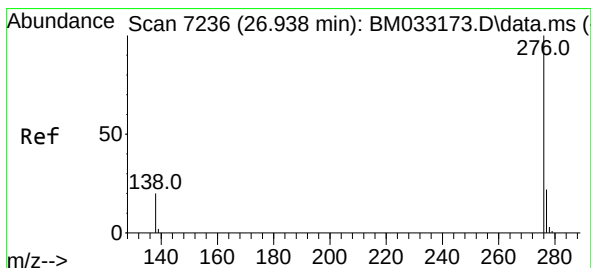
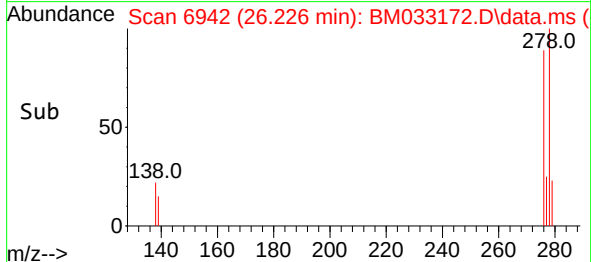
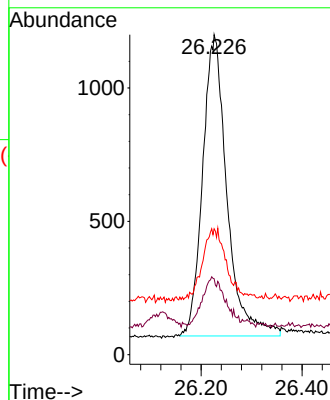
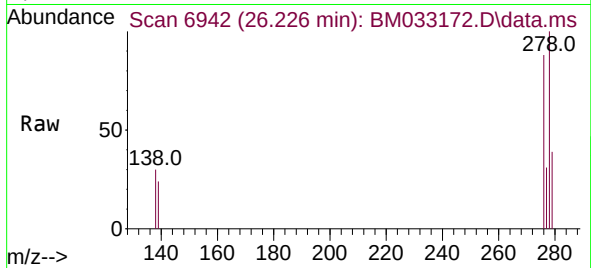




#28  
Dibenzo(a,h)anthracene  
Concen: 0.221 ng/ul  
RT: 26.226 min Scan# 6942  
Delta R.T. -0.000 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:278 Resp: 3777  
Ion Ratio Lower Upper  
278 100  
139 23.8 18.2 27.2  
279 39.3 24.6 36.8#



#29  
Benzo(g,h,i)perylene  
Concen: 0.231 ng/ul  
RT: 26.943 min Scan# 7238  
Delta R.T. 0.005 min  
Lab File: BM033172.D  
Acq: 19 Nov 2021 12:40

Tgt Ion:276 Resp: 4335  
Ion Ratio Lower Upper  
276 100  
138 27.2 22.2 33.2  
277 30.0 21.0 31.4

