

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063022\  
 Data File : BM035776.D  
 Acq On : 30 Jun 2022 11:49  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 01 01:16:30 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 29 17:48:53 2022  
 Response via : Initial Calibration

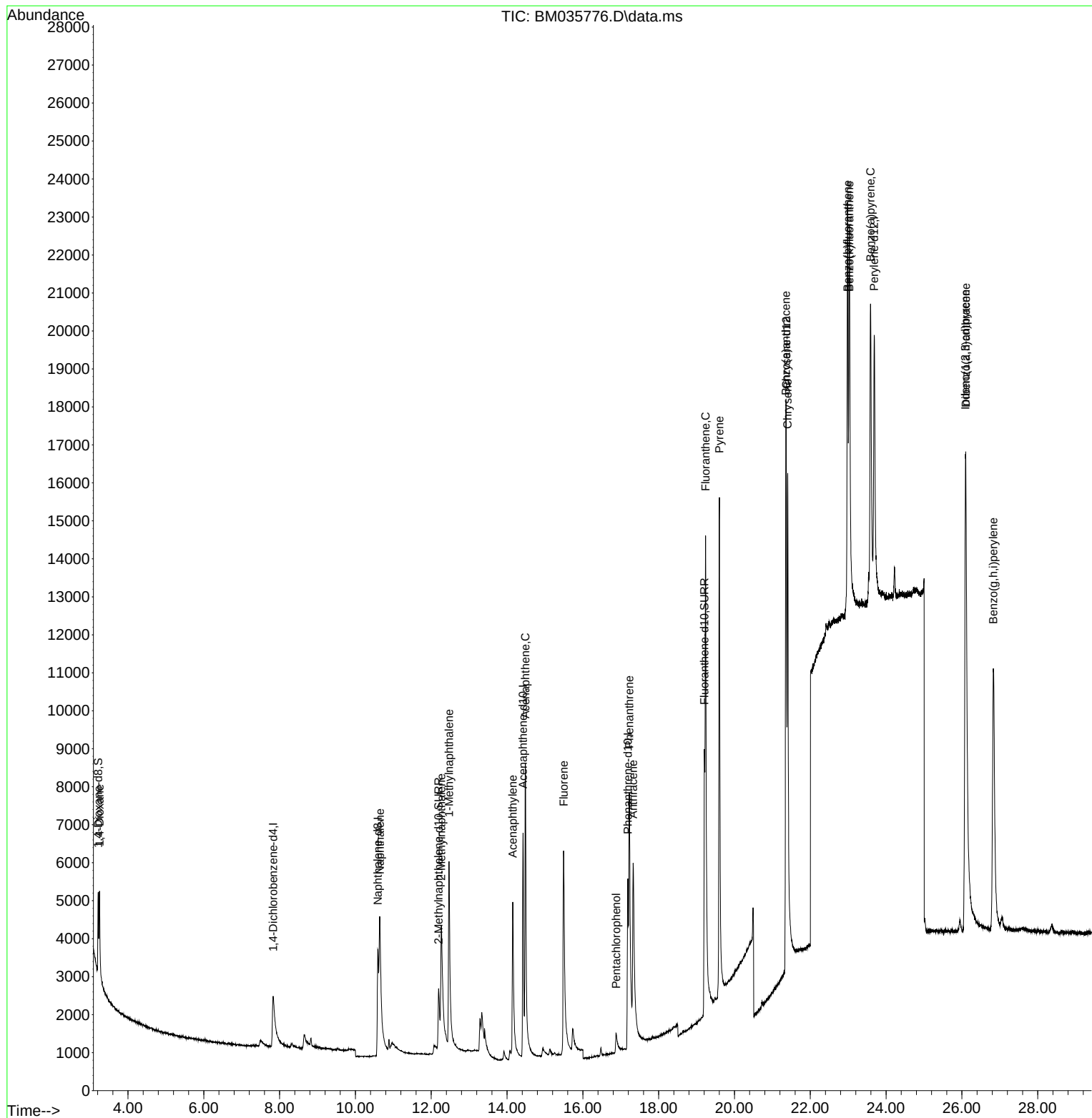
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.829  | 152  | 2347     | 0.400 | ng/ul  | -0.04    |
| 4) Naphthalene-d8           | 10.589 | 136  | 8606     | 0.400 | ng/ul  | #-0.03   |
| 9) Acenaphthene-d10         | 14.422 | 164  | 4020     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.187 | 188  | 8969     | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.365 | 240  | 10757    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.686 | 264  | 11490    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.213  | 96   | 1499     | 0.471 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.195 | 152  | 4878     | 0.362 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 19.205 | 212  | 11657    | 0.322 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.247  | 88   | 1349     | 0.428 | ng/ul  | 96       |
| 5) Naphthalene              | 10.644 | 128  | 9064     | 0.345 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.266 | 142  | 5100     | 0.309 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.470 | 142  | 5409     | 0.347 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.150 | 152  | 8803     | 0.417 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.483 | 153  | 6299     | 0.388 | ng/ul  | 99       |
| 12) Fluorene                | 15.491 | 166  | 7165     | 0.383 | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.879 | 266  | 747      | 0.527 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.225 | 178  | 10923    | 0.336 | ng/ul  | 95       |
| 16) Anthracene              | 17.326 | 178  | 10379    | 0.384 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.238 | 202  | 14608    | 0.271 | ng/ul  | 97       |
| 20) Pyrene                  | 19.600 | 202  | 16403    | 0.272 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.353 | 228  | 12802    | 0.344 | ng/ul# | 93       |
| 22) Chrysene                | 21.403 | 228  | 14791    | 0.309 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 22.984 | 252  | 15552    | 0.316 | ng/ul  | 77       |
| 25) Benzo(k)fluoranthene    | 23.028 | 252  | 15997    | 0.318 | ng/ul# | 78       |
| 26) Benzo(a)pyrene          | 23.586 | 252  | 17113    | 0.340 | ng/ul# | 79       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.094 | 276  | 20558    | 0.375 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.101 | 278  | 16597    | 0.382 | ng/ul# | 74       |
| 29) Benzo(g,h,i)perylene    | 26.829 | 276  | 18603    | 0.368 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

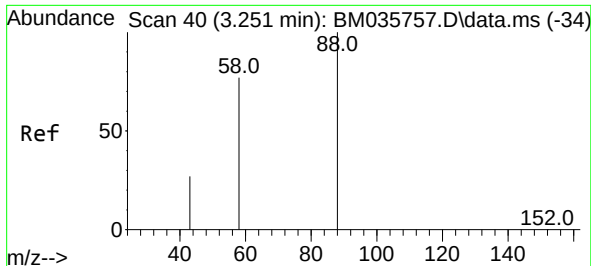
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063022\  
Data File : BM035776.D  
Acq On : 30 Jun 2022 11:49  
Operator : CG/JU  
Sample : SSTCCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Jul 01 01:16:30 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 29 17:48:53 2022  
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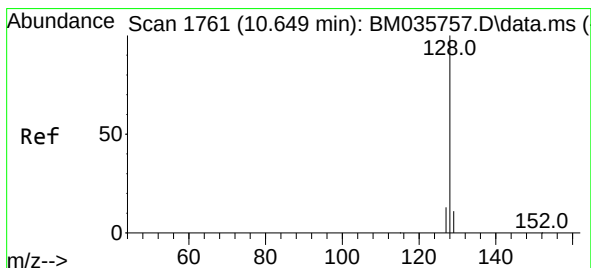
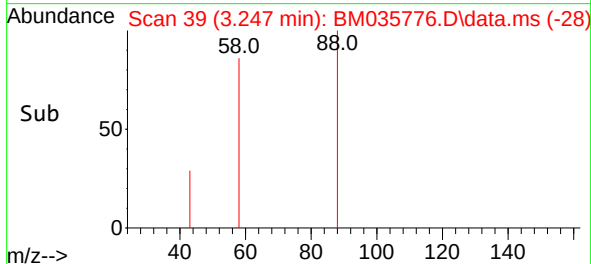
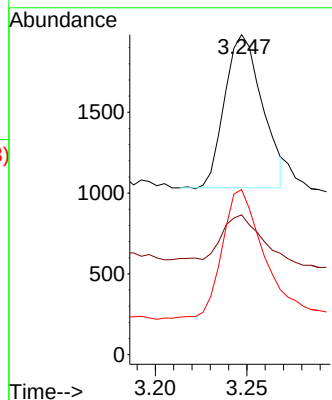
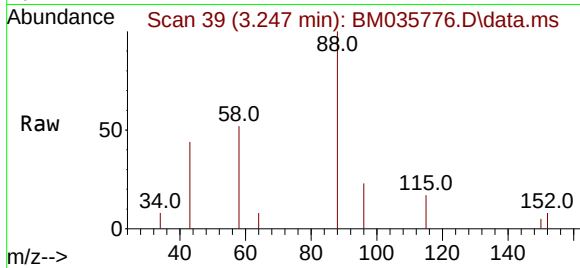




#2  
1,4-Dioxane  
Concen: 0.428 ng/ul  
RT: 3.247 min Scan# 39  
Delta R.T. -0.004 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

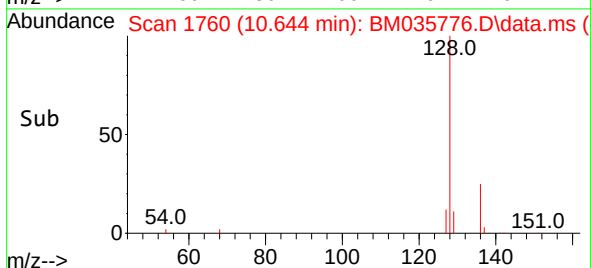
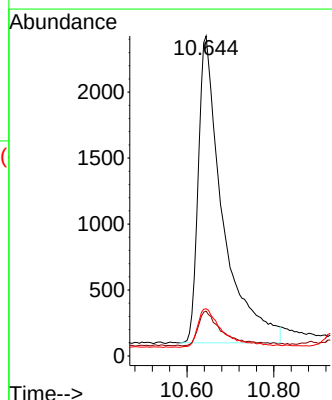
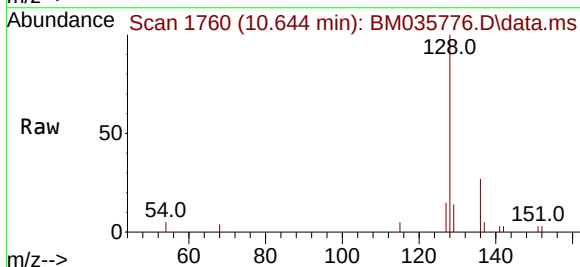
Instrument :  
BNA\_M  
ClientSampleId :

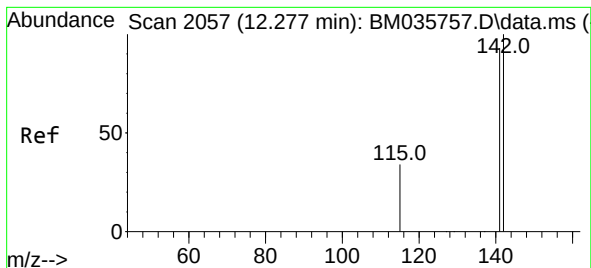
Tgt Ion: 88 Resp: 1349  
Ion Ratio Lower Upper  
88 100  
43 43.7 37.8 56.6  
58 51.6 42.6 63.8



#5  
Naphthalene  
Concen: 0.345 ng/ul  
RT: 10.644 min Scan# 1760  
Delta R.T. -0.027 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Tgt Ion: 128 Resp: 9064  
Ion Ratio Lower Upper  
128 100  
129 14.0 10.2 15.2  
127 14.8 11.7 17.5

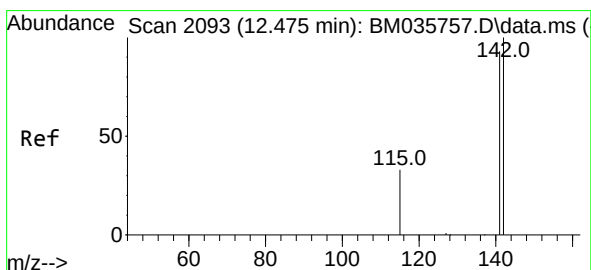
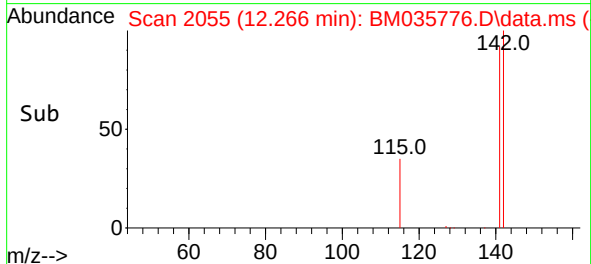
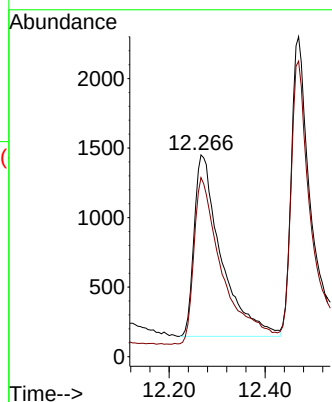
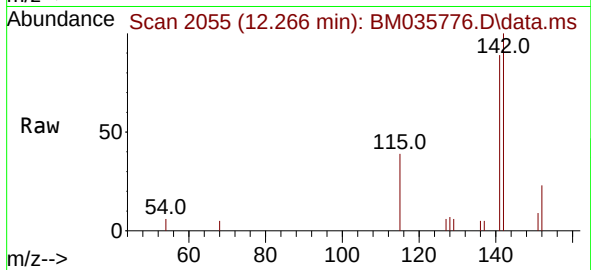




#7  
2-Methylnaphthalene  
Concen: 0.309 ng/ul  
RT: 12.266 min Scan# 2055  
Delta R.T. -0.033 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

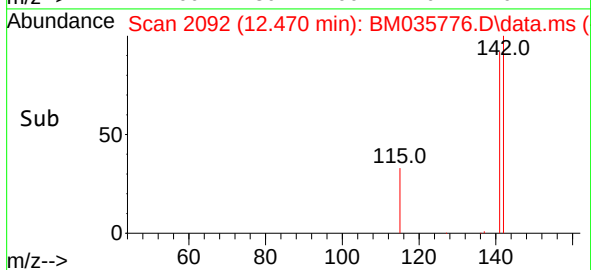
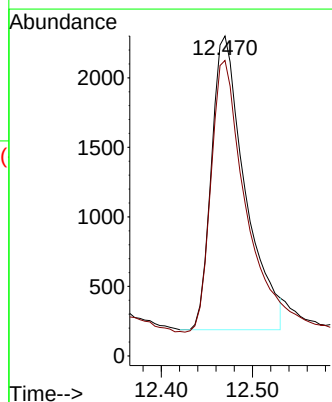
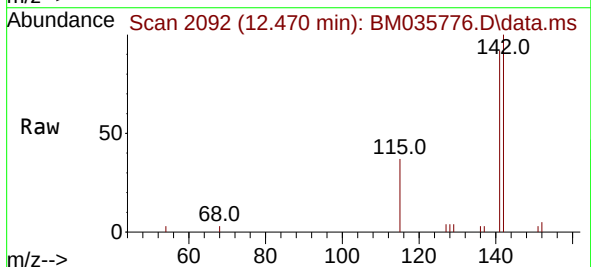
Instrument :  
BNA\_M  
ClientSampleId :

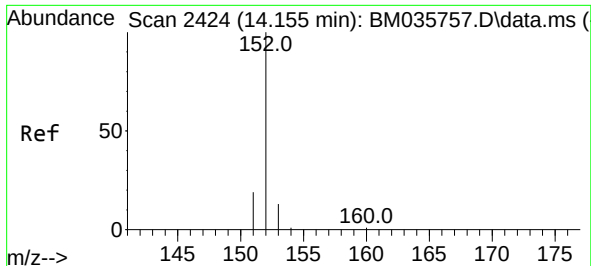
Tgt Ion:142 Resp: 5100  
Ion Ratio Lower Upper  
142 100  
141 97.9 77.4 116.0



#8  
1-Methylnaphthalene  
Concen: 0.347 ng/ul  
RT: 12.470 min Scan# 2092  
Delta R.T. -0.022 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Tgt Ion:142 Resp: 5409  
Ion Ratio Lower Upper  
142 100  
141 93.5 74.1 111.1

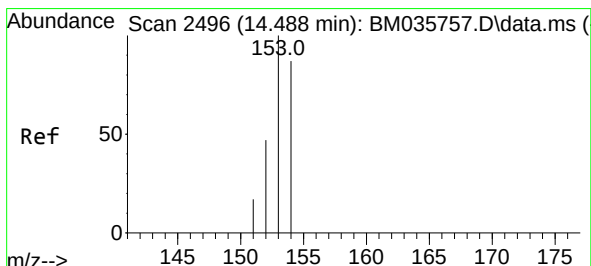
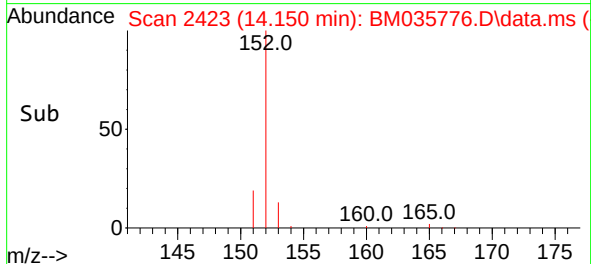
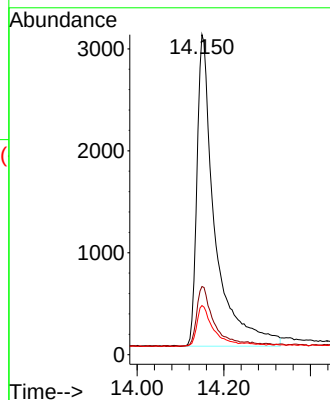
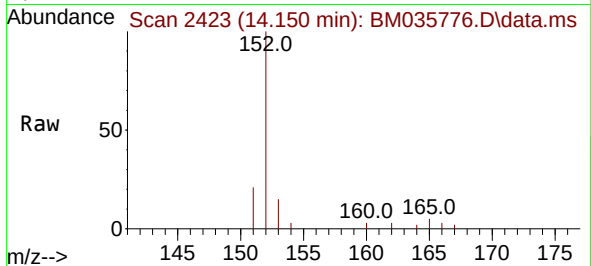




#10  
Acenaphthylene  
Concen: 0.417 ng/ul  
RT: 14.150 min Scan# 2424  
Delta R.T. -0.014 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

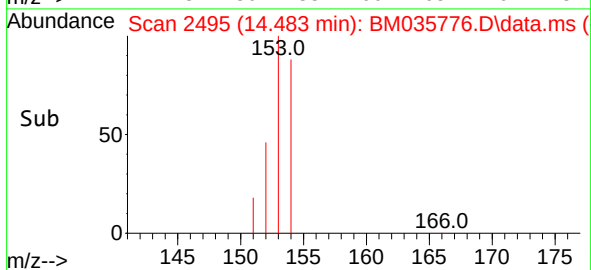
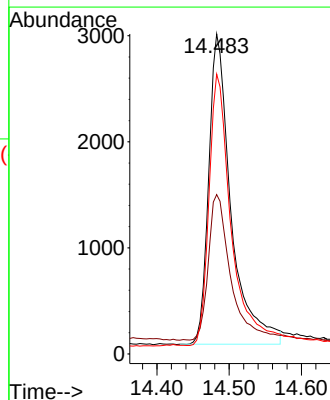
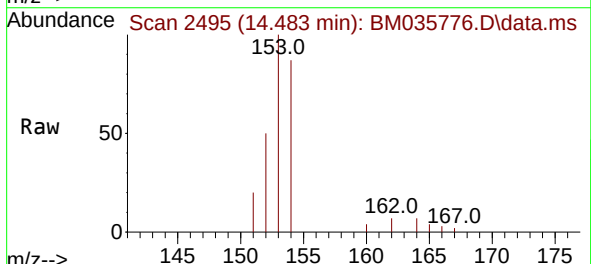
Instrument :  
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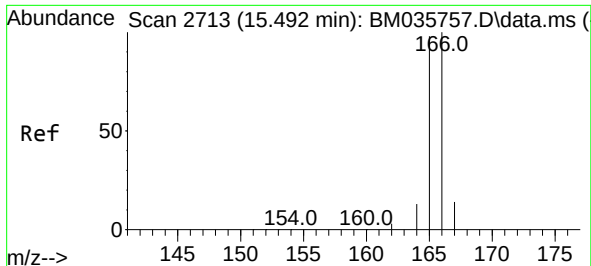
Tgt Ion:152 Resp: 8803  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.6 24.8  
153 15.4 11.4 17.0



#11  
Acenaphthene  
Concen: 0.388 ng/ul  
RT: 14.483 min Scan# 2495  
Delta R.T. -0.014 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

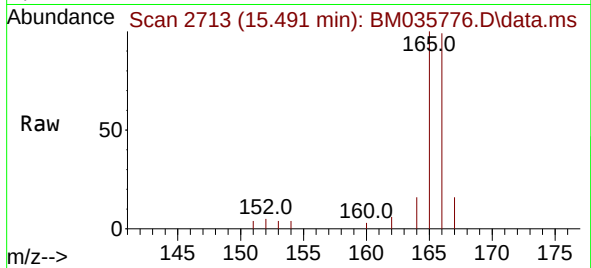
Tgt Ion:153 Resp: 6299  
Ion Ratio Lower Upper  
153 100  
152 49.8 40.2 60.4  
154 87.5 69.7 104.5



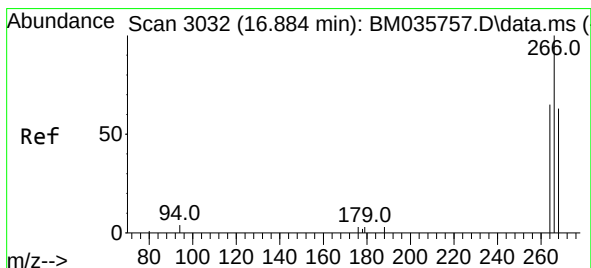
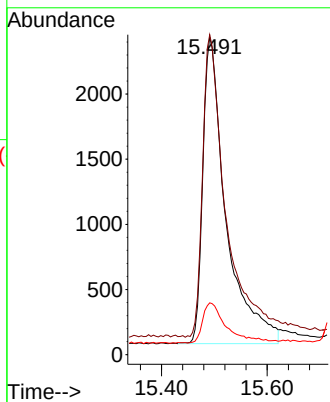
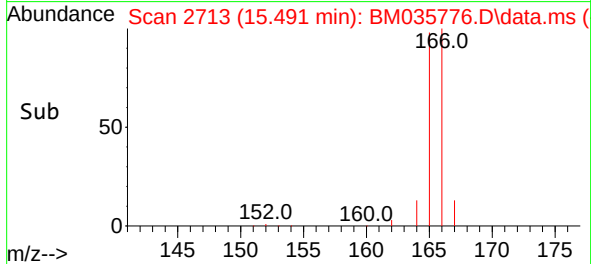


#12  
Fluorene  
Concen: 0.383 ng/ul  
RT: 15.491 min Scan# 21  
Delta R.T. -0.014 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :

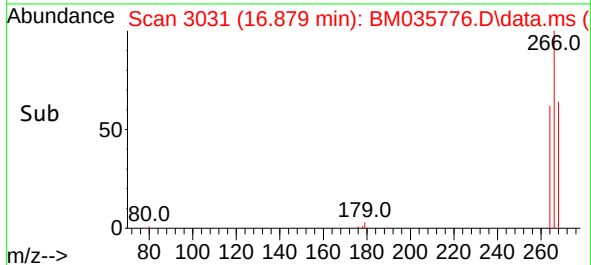
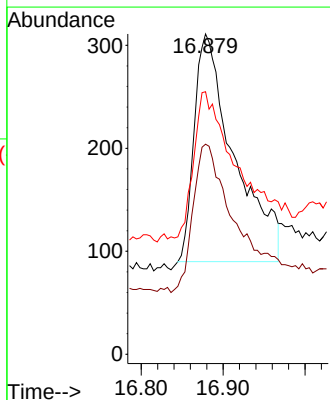
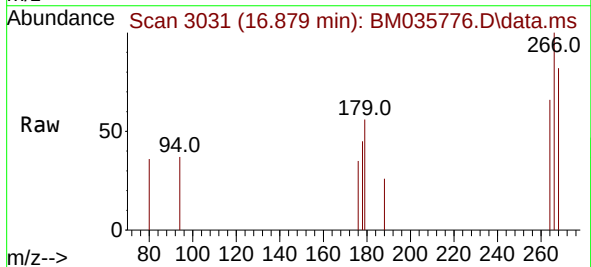


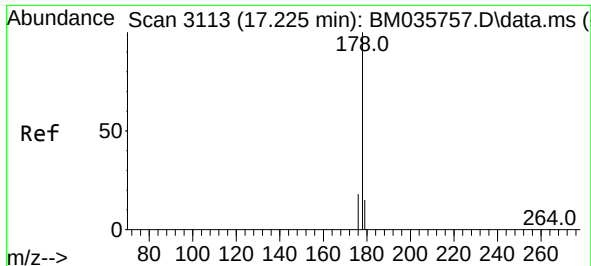
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 7165  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 100.8 | 78.9  | 118.3 |
| 167      | 16.3  | 11.3  | 16.9  |



#14  
Pentachlorophenol  
Concen: 0.527 ng/ul  
RT: 16.879 min Scan# 3031  
Delta R.T. -0.017 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 747   |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 64.9  | 50.3  | 75.5  |
| 268      | 69.5  | 53.5  | 80.3  |

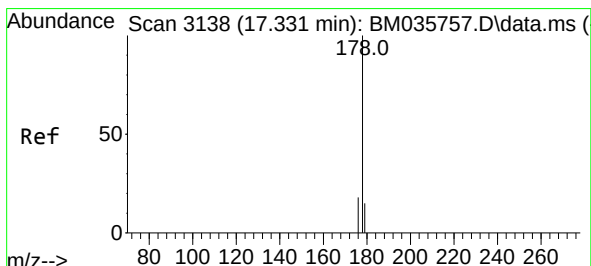
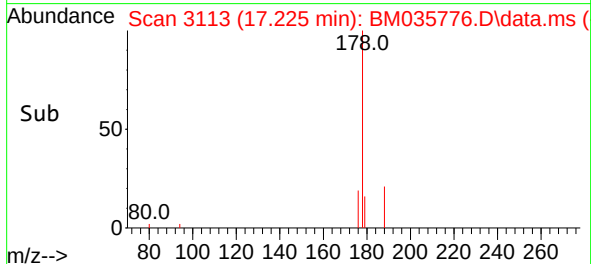
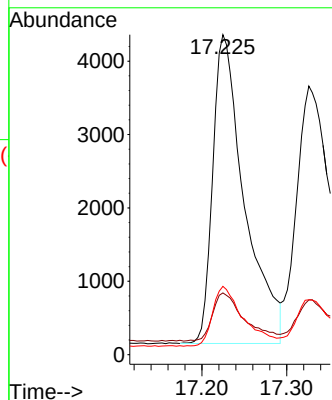
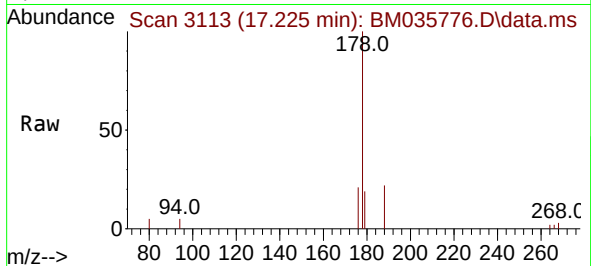




#15  
Phenanthrene  
Concen: 0.336 ng/ul  
RT: 17.225 min Scan# 3113  
Delta R.T. -0.013 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

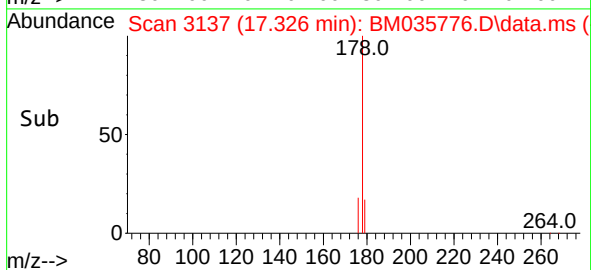
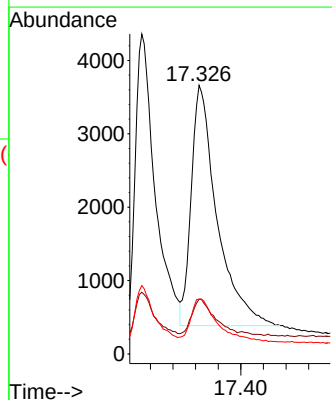
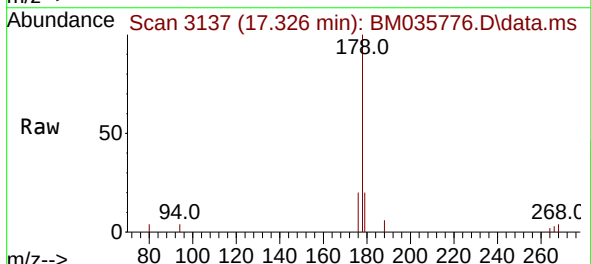
Instrument :  
BNA\_M  
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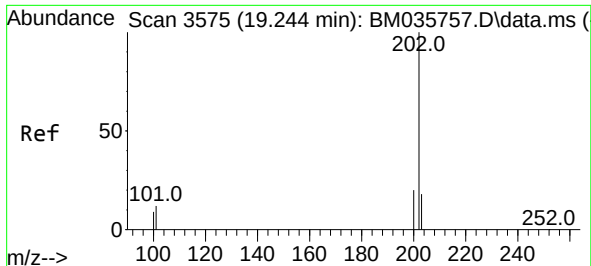
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 10923     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 19.3  | 13.0 19.6 |
| 176         | 21.3  | 15.6 23.4 |



#16  
Anthracene  
Concen: 0.384 ng/ul  
RT: 17.326 min Scan# 3137  
Delta R.T. -0.022 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 10379     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 20.4  | 13.6 20.4 |
| 176         | 20.4  | 15.6 23.4 |

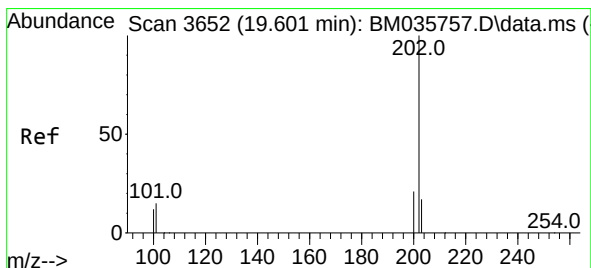
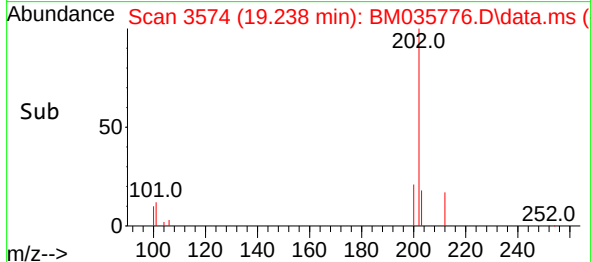
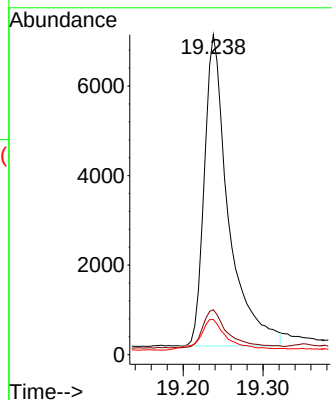
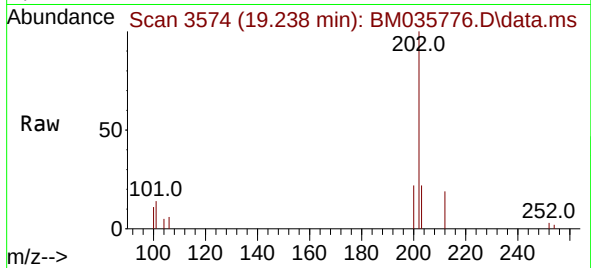




#19  
Fluoranthene  
Concen: 0.271 ng/ul  
RT: 19.238 min Scan# 3574  
Delta R.T. -0.010 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

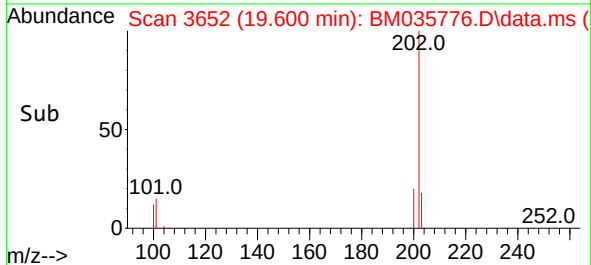
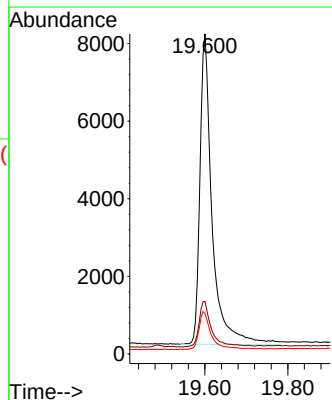
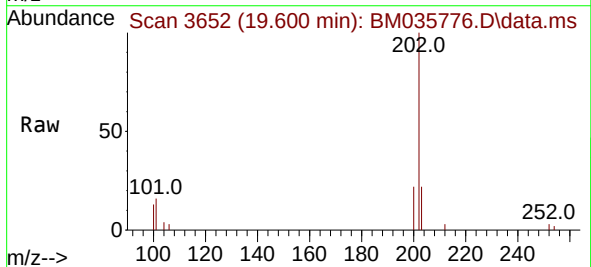
Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:202 Resp: 14608  
Ion Ratio Lower Upper  
202 100  
101 14.1 10.1 15.1  
100 11.0 7.9 11.9

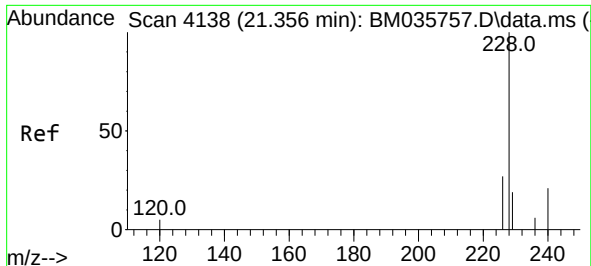


#20  
Pyrene  
Concen: 0.272 ng/ul  
RT: 19.600 min Scan# 3652  
Delta R.T. -0.010 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Tgt Ion:202 Resp: 16403  
Ion Ratio Lower Upper  
202 100  
101 16.4 12.0 18.0  
100 12.7 9.8 14.6

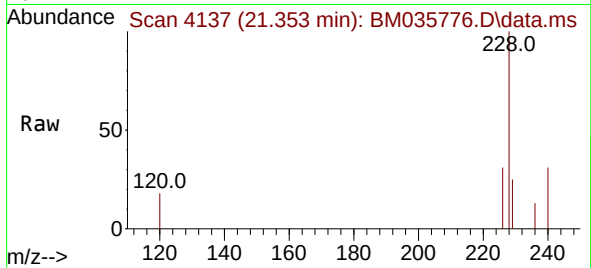




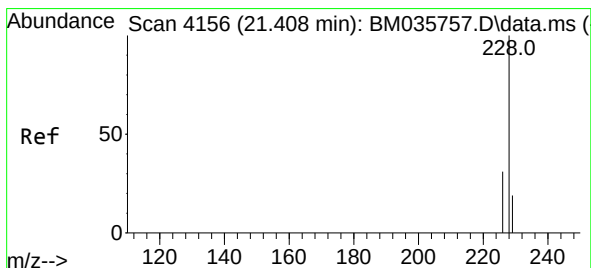
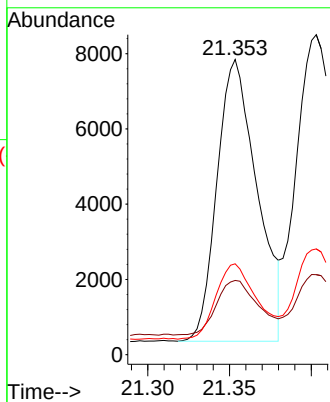
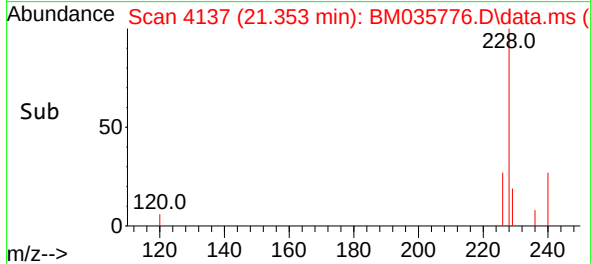


#21  
Benzo(a)anthracene  
Concen: 0.344 ng/ul  
RT: 21.353 min Scan# 4137  
Delta R.T. -0.008 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

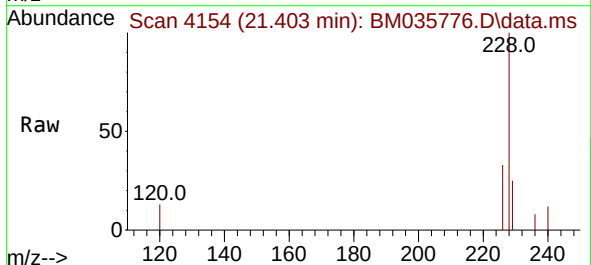
Instrument :  
BNA\_M  
ClientSampleId :



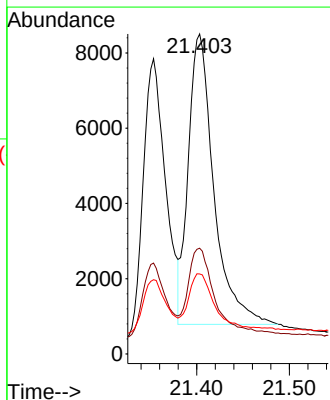
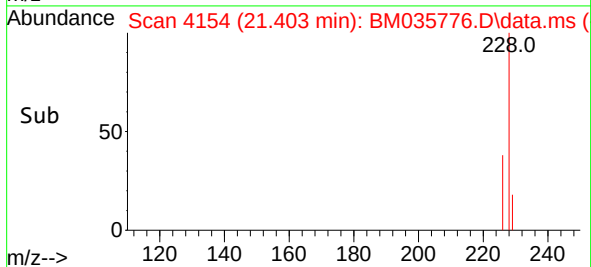
Tgt Ion:228 Resp: 12802  
Ion Ratio Lower Upper  
228 100  
229 25.1 16.2 24.2#  
226 30.8 22.5 33.7

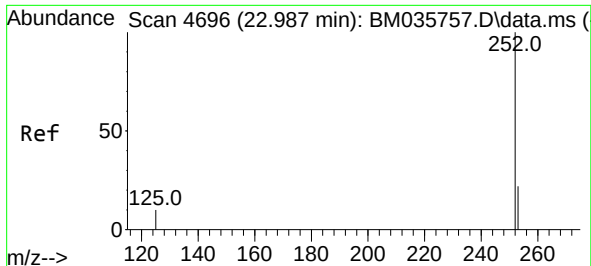


#22  
Chrysene  
Concen: 0.309 ng/ul  
RT: 21.403 min Scan# 4154  
Delta R.T. -0.005 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49



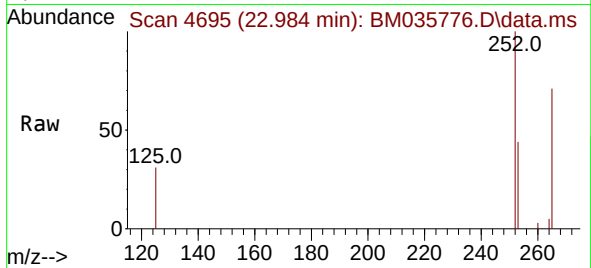
Tgt Ion:228 Resp: 14791  
Ion Ratio Lower Upper  
228 100  
226 33.0 24.6 37.0  
229 25.0 16.4 24.6#



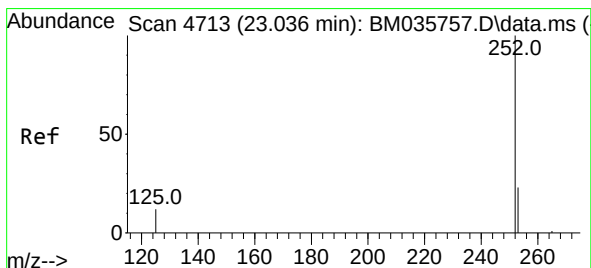
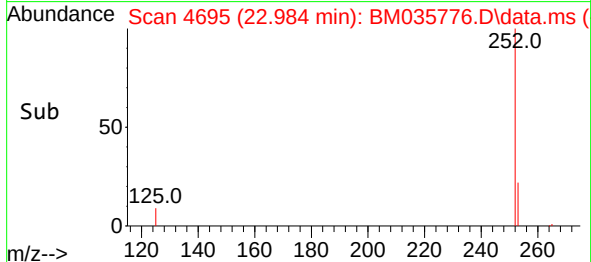
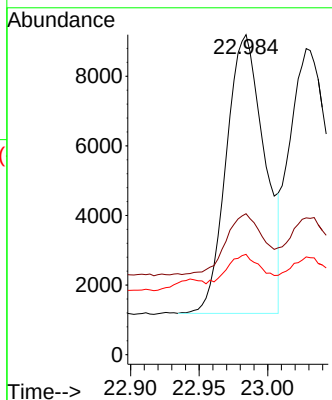


#24  
Benzo(b)fluoranthene  
Concen: 0.316 ng/ul  
RT: 22.984 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :

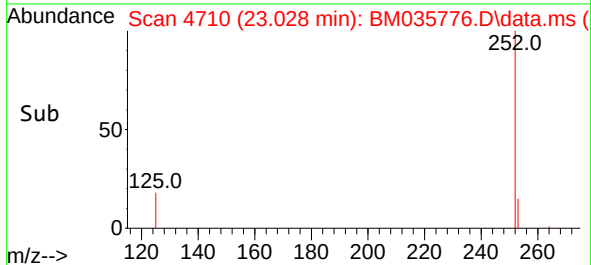
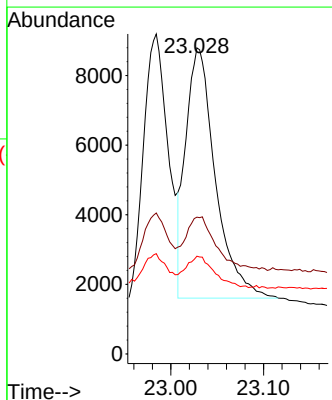
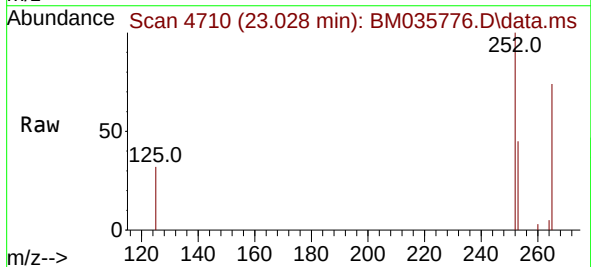


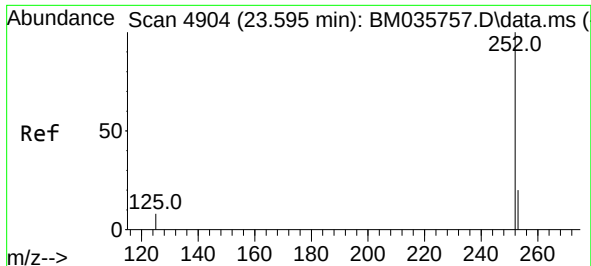
Tgt Ion:252 Resp: 15552  
Ion Ratio Lower Upper  
252 100  
253 44.1 0.0 61.4  
125 31.3 0.0 42.6



#25  
Benzo(k)fluoranthene  
Concen: 0.318 ng/ul  
RT: 23.028 min Scan# 4710  
Delta R.T. -0.011 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Tgt Ion:252 Resp: 15997  
Ion Ratio Lower Upper  
252 100  
253 44.7 25.2 37.8#  
125 31.9 18.3 27.5#

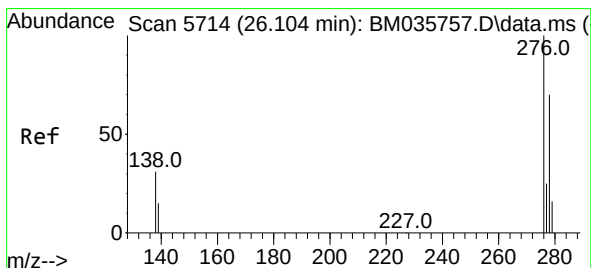
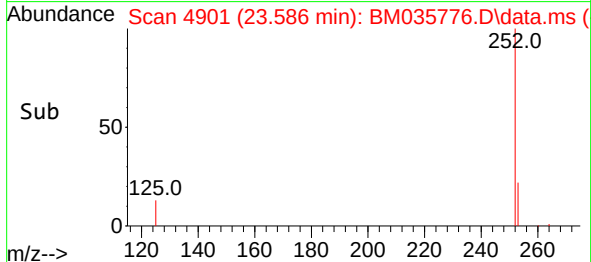
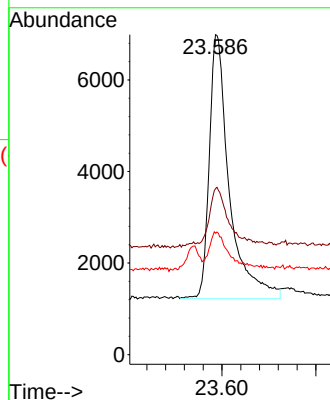
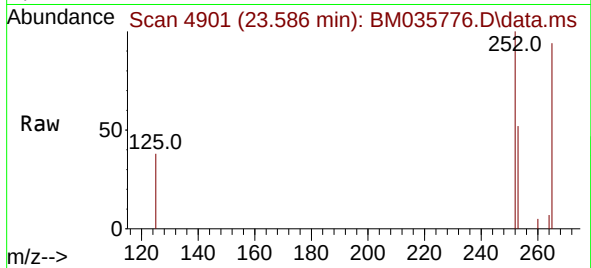




#26  
Benzo(a)pyrene  
Concen: 0.340 ng/ul  
RT: 23.586 min Scan# 4901  
Delta R.T. -0.014 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

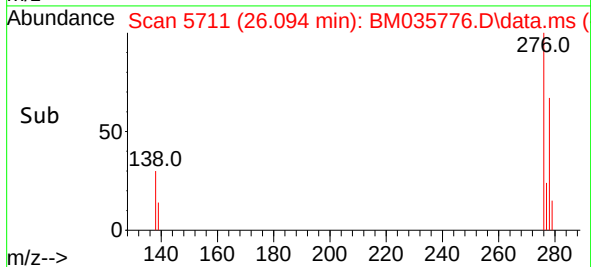
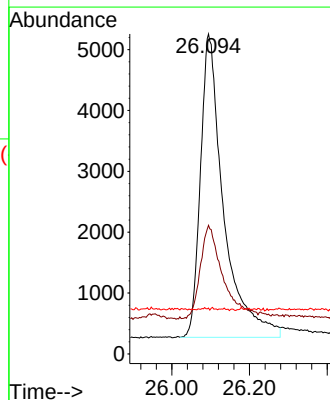
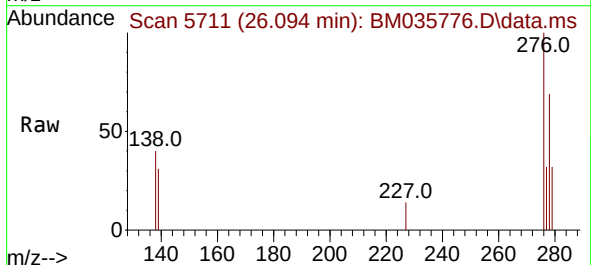
Instrument :  
BNA\_M  
ClientSampleId :

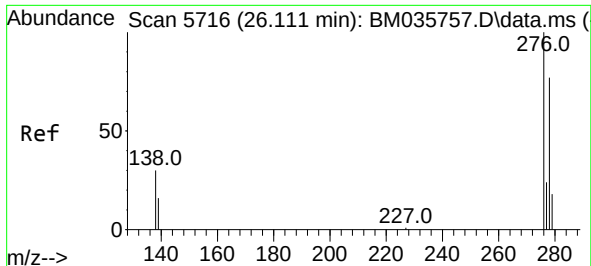
Tgt Ion:252 Resp: 17113  
Ion Ratio Lower Upper  
252 100  
253 51.9 29.7 44.5#  
125 38.0 23.6 35.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.375 ng/ul  
RT: 26.094 min Scan# 5711  
Delta R.T. -0.013 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

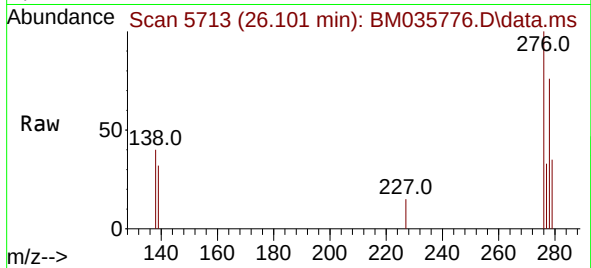
Tgt Ion:276 Resp: 20558  
Ion Ratio Lower Upper  
276 100  
138 29.8 23.9 35.9  
227 0.1 0.1 0.1#



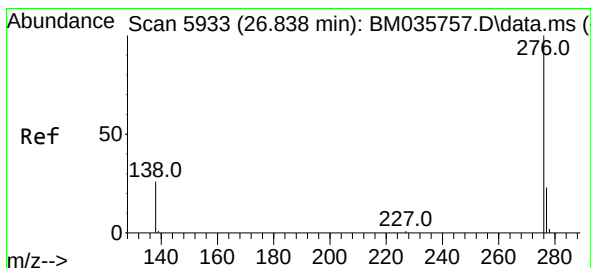
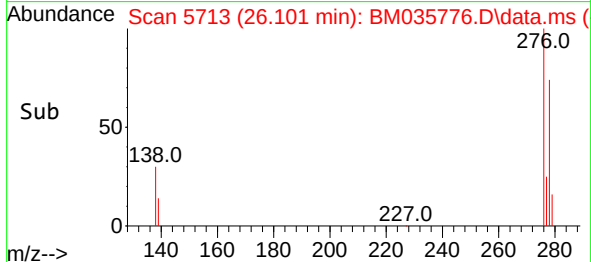
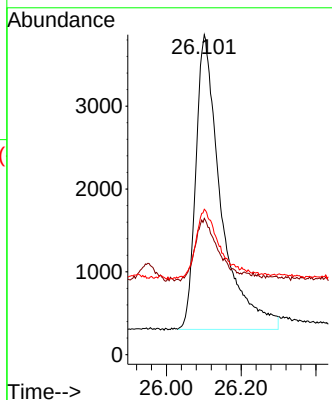


#28  
Dibenzo(a,h)anthracene  
Concen: 0.382 ng/ul  
RT: 26.101 min Scan# 51  
Delta R.T. -0.023 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:278 Resp: 16597  
Ion Ratio Lower Upper  
278 100  
139 42.6 19.8 29.6#  
279 45.4 27.7 41.5#



#29  
Benzo(g,h,i)perylene  
Concen: 0.368 ng/ul  
RT: 26.829 min Scan# 5930  
Delta R.T. -0.016 min  
Lab File: BM035776.D  
Acq: 30 Jun 2022 11:49

Tgt Ion:276 Resp: 18603  
Ion Ratio Lower Upper  
276 100  
138 36.8 23.4 35.0#  
277 31.6 21.0 31.4#

