

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023341.D  
 Acq On : 22 Dec 2022 16:14  
 Operator : CG/JU  
 Sample : N6003-24  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 22 23:53:57 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 02:28:40 2022  
 Response via : Initial Calibration

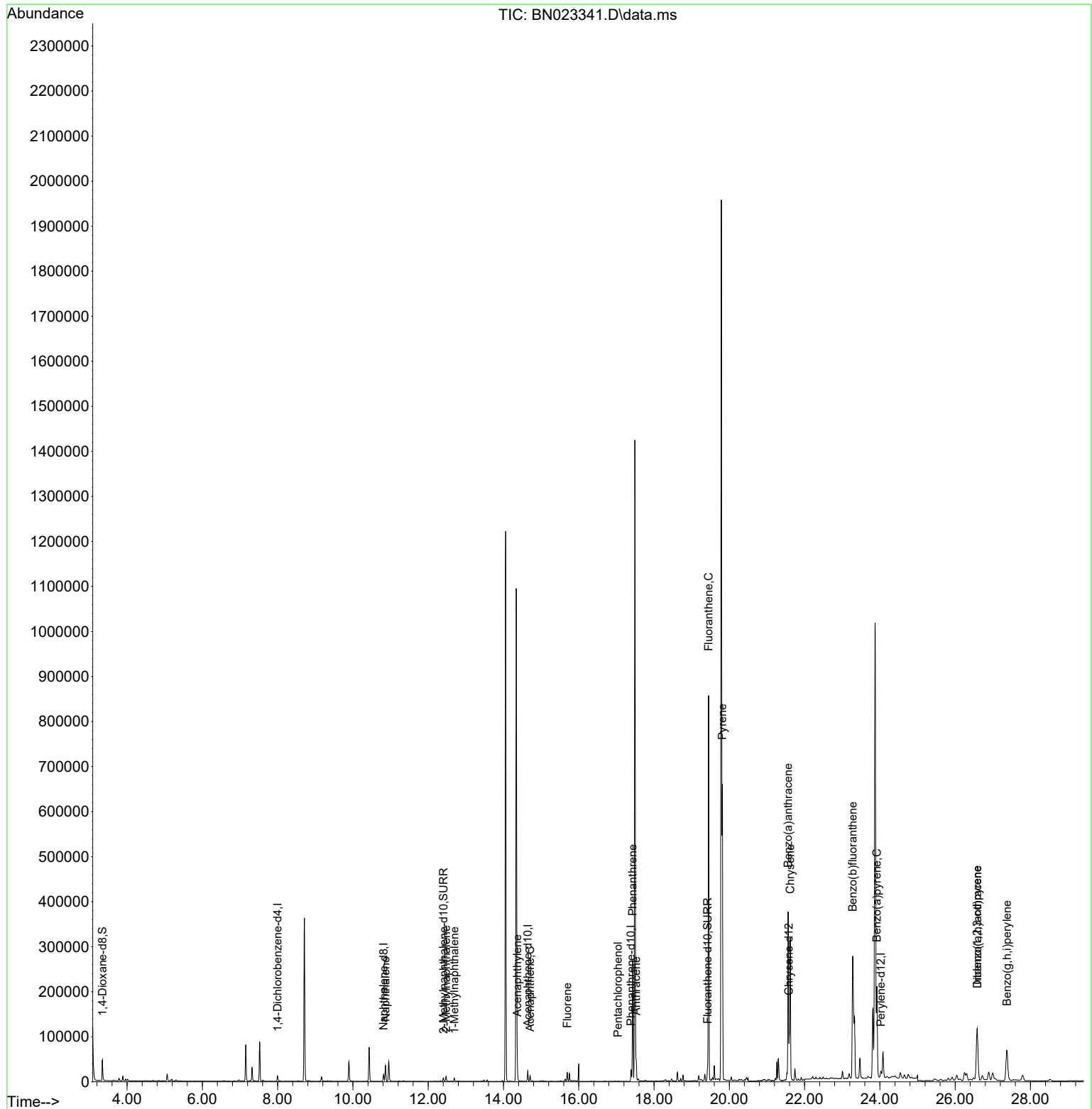
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.998  | 152  | 5956     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.815 | 136  | 19668    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.645 | 164  | 11964    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.390 | 188  | 28492    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.581 | 240  | 23474    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.027 | 264  | 19796    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.344  | 96   | 30612    | 4.730 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.405 | 152  | 9800     | 0.322 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.420 | 212  | 25809    | 0.304 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.865 | 128  | 45688    | 0.791 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.476 | 142  | 7823     | 0.212 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.696 | 142  | 5123     | 0.135 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.368 | 152  | 33771    | 0.637 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.705 | 153  | 7286     | 0.163 | ng/ul  | 99       |
| 12) Fluorene                | 15.695 | 166  | 12408    | 0.247 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 17.040 | 266  | 179      | 0.023 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.432 | 178  | 270854   | 2.920 | ng/ul  | 99       |
| 16) Anthracene              | 17.525 | 178  | 42364    | 0.550 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.448 | 202  | 686667   | 6.030 | ng/ul  | 100      |
| 20) Pyrene                  | 19.815 | 202  | 522161   | 4.549 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.563 | 228  | 318167   | 3.481 | ng/ul  | 98       |
| 22) Chrysene                | 21.616 | 228  | 328630   | 3.536 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.279 | 252  | 633331   | 6.186 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.919 | 252  | 276950   | 3.416 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.584 | 276  | 193494   | 2.045 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.590 | 278  | 47019    | 0.641 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 27.375 | 276  | 154819   | 2.007 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

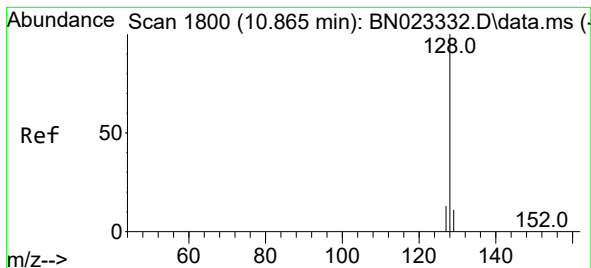
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 23:53:57 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 02:28:40 2022  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.791 ng/ul

RT: 10.865 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BN023341.D

Acq: 22 Dec 2022 16:14

Instrument :

BNA\_N

ClientSampleId :

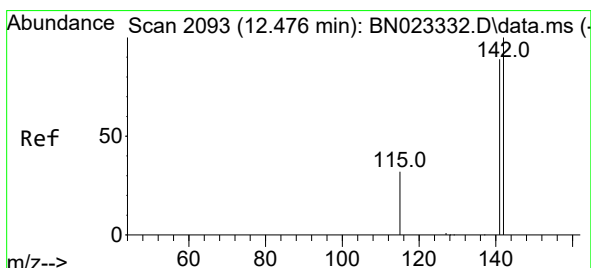
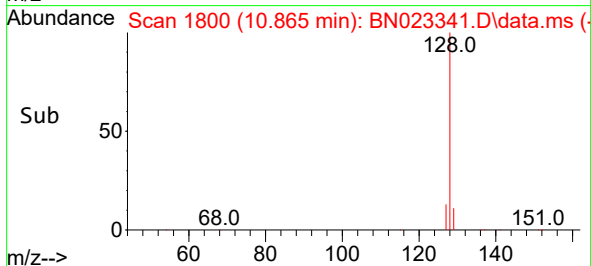
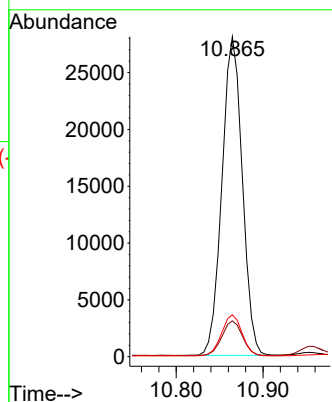
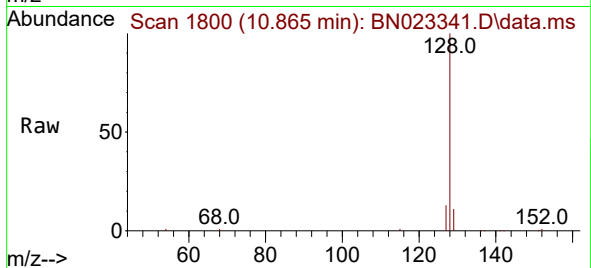
Tgt Ion:128 Resp: 45688

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

127 13.1 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.212 ng/ul

RT: 12.476 min Scan# 2093

Delta R.T. 0.000 min

Lab File: BN023341.D

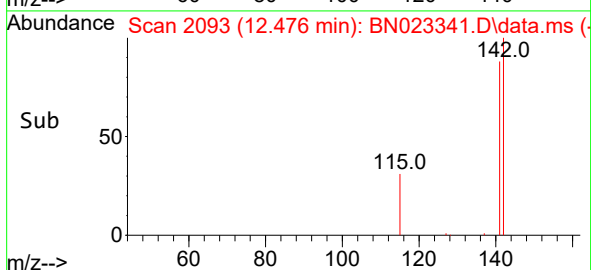
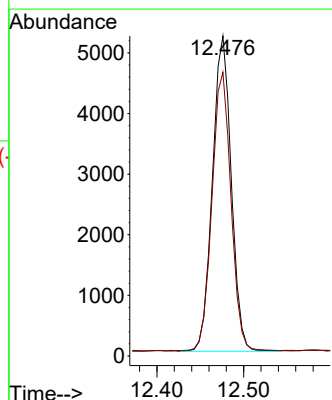
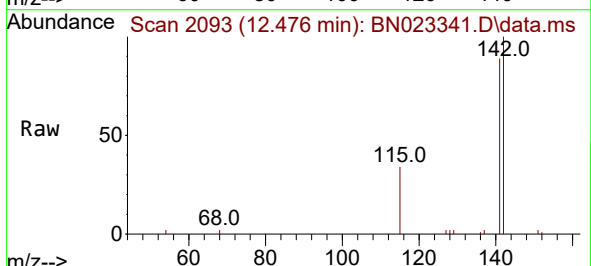
Acq: 22 Dec 2022 16:14

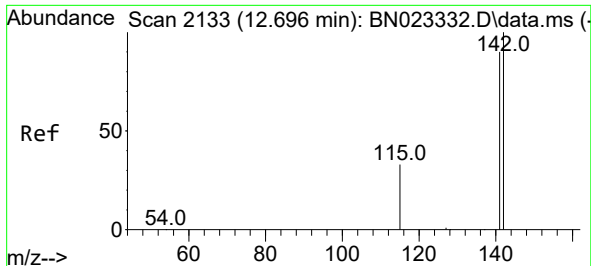
Tgt Ion:142 Resp: 7823

Ion Ratio Lower Upper

142 100

141 89.1 71.4 107.2

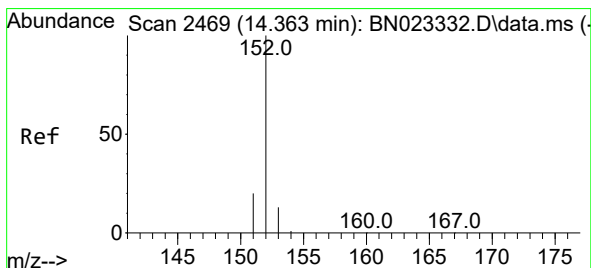
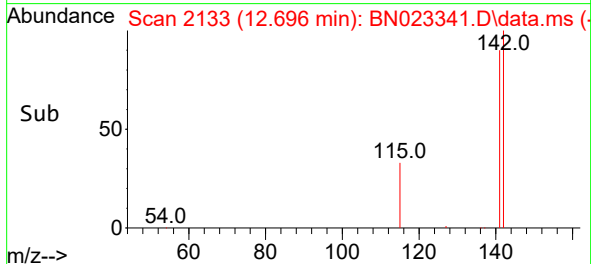
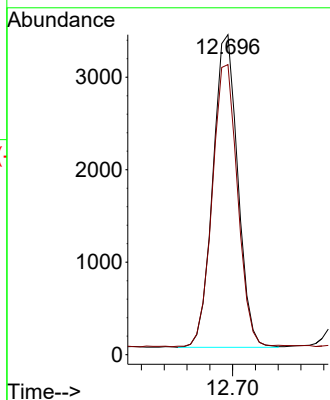
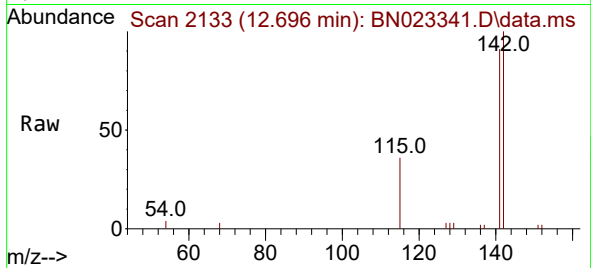




#8  
1-Methylnaphthalene  
Concen: 0.135 ng/ul  
RT: 12.696 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

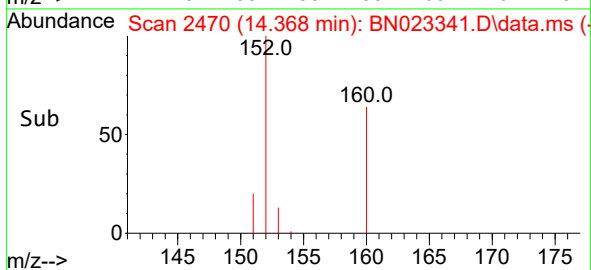
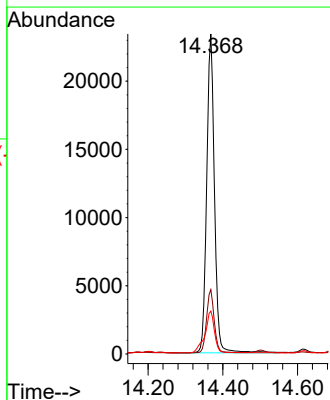
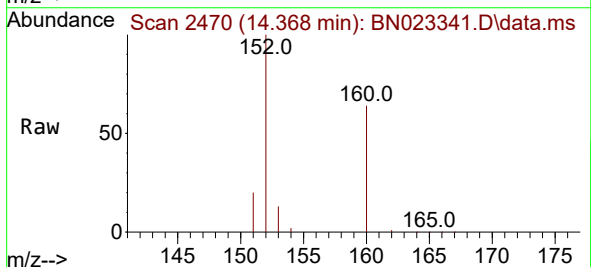
Instrument :  
BNA\_N  
ClientSampleId :

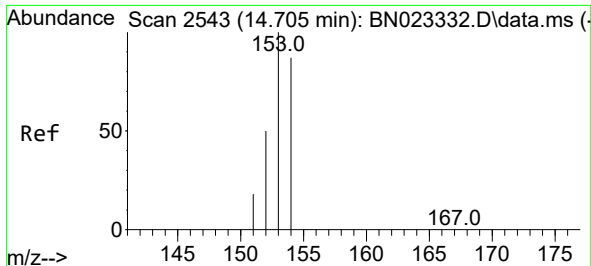
Tgt Ion:142 Resp: 5123  
Ion Ratio Lower Upper  
142 100  
141 92.2 74.0 111.0



#10  
Acenaphthylene  
Concen: 0.637 ng/ul  
RT: 14.368 min Scan# 2470  
Delta R.T. -0.001 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

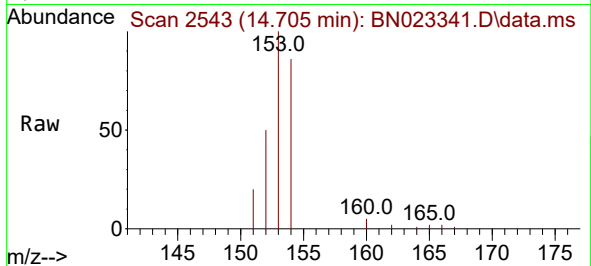
Tgt Ion:152 Resp: 33771  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.1 24.1  
153 13.4 10.9 16.3



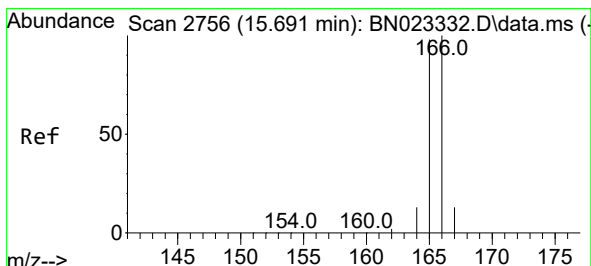
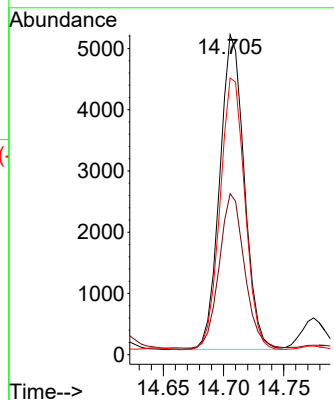
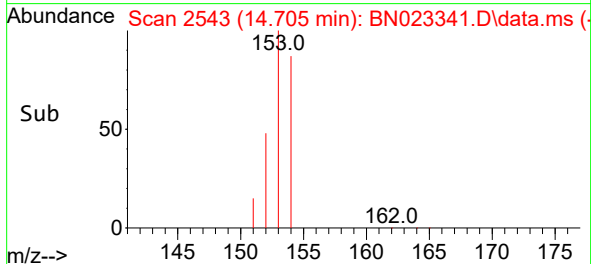


#11  
Acenaphthene  
Concen: 0.163 ng/ul  
RT: 14.705 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

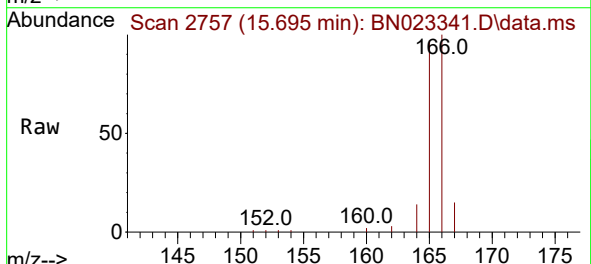
Instrument :  
BNA\_N  
ClientSampleId :



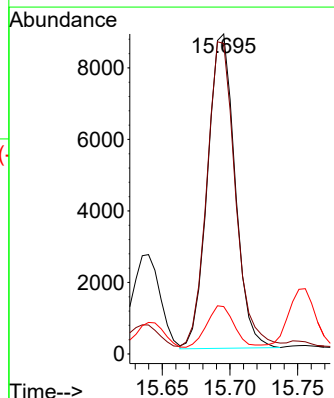
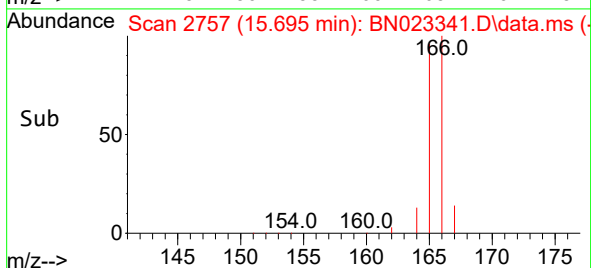
Tgt Ion:153 Resp: 7286  
Ion Ratio Lower Upper  
153 100  
152 50.3 41.0 61.4  
154 86.5 69.5 104.3

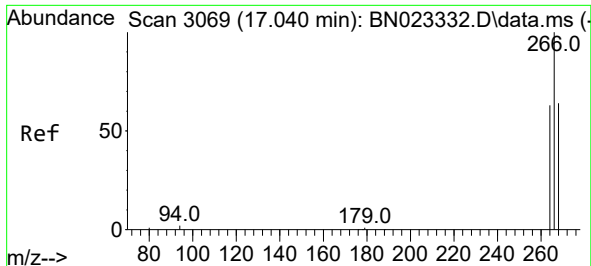


#12  
Fluorene  
Concen: 0.247 ng/ul  
RT: 15.695 min Scan# 2757  
Delta R.T. 0.004 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14



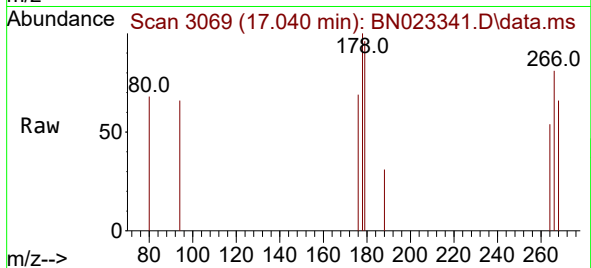
Tgt Ion:166 Resp: 12408  
Ion Ratio Lower Upper  
166 100  
165 97.1 79.1 118.7  
167 14.8 11.0 16.4



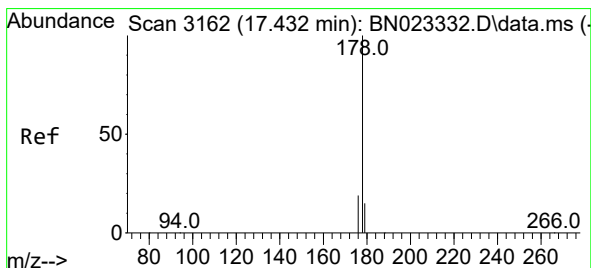
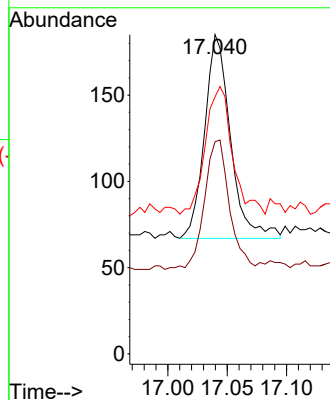
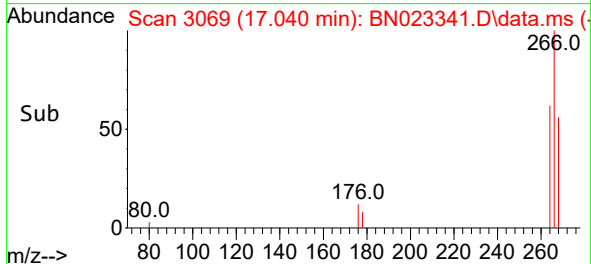


#14  
Pentachlorophenol  
Concen: 0.023 ng/ul  
RT: 17.040 min Scan# 3069  
Delta R.T. -0.001 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

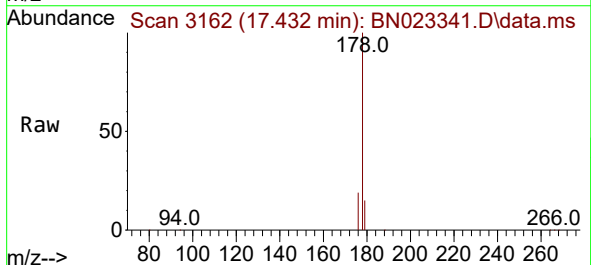
Instrument :  
BNA\_N  
ClientSampleId :



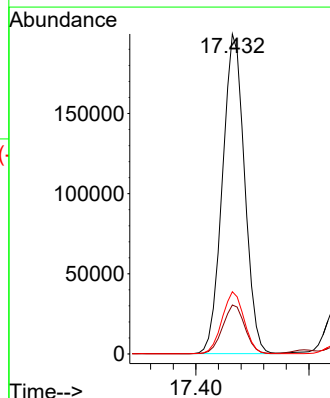
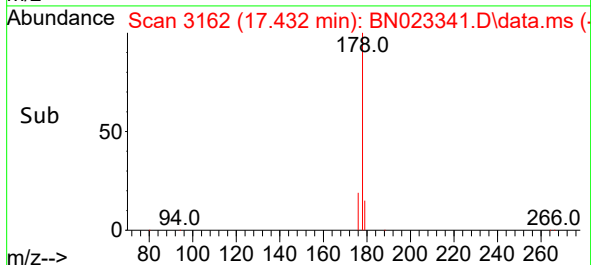
Tgt Ion:266 Resp: 179  
Ion Ratio Lower Upper  
266 100  
264 61.5 49.8 74.6  
268 65.9 51.4 77.0

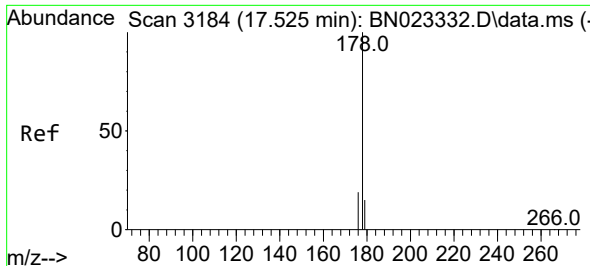


#15  
Phenanthrene  
Concen: 2.920 ng/ul  
RT: 17.432 min Scan# 3162  
Delta R.T. -0.001 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14



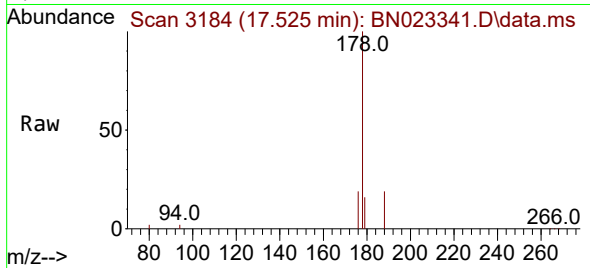
Tgt Ion:178 Resp: 270854  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.5 18.7  
176 19.4 15.7 23.5



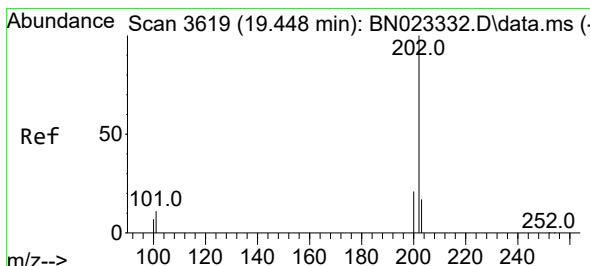
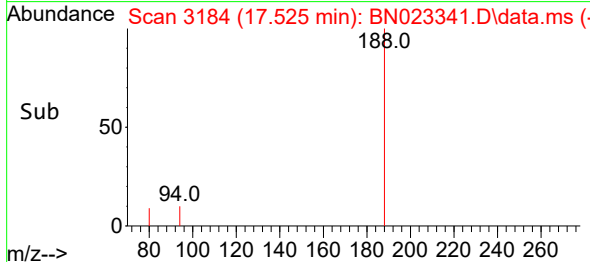
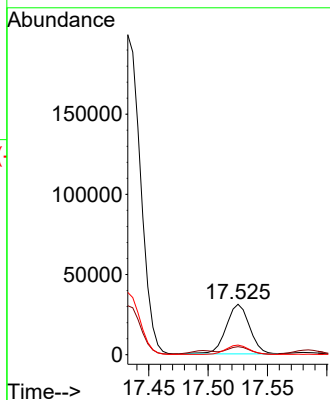


#16  
 Anthracene  
 Concen: 0.550 ng/ul  
 RT: 17.525 min Scan# 3184  
 Delta R.T. -0.001 min  
 Lab File: BN023341.D  
 Acq: 22 Dec 2022 16:14

Instrument :  
 BNA\_N  
 ClientSampleId :

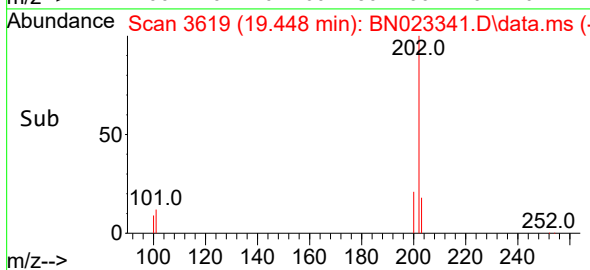
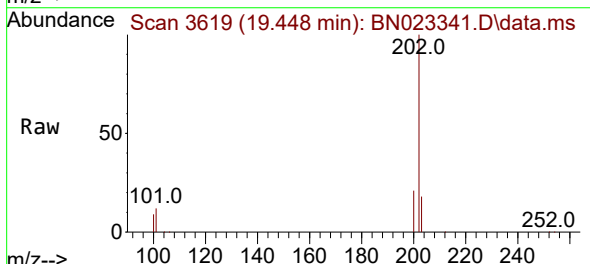
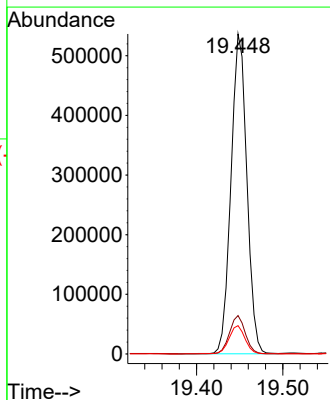


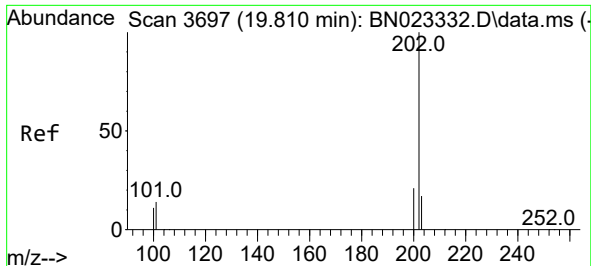
Tgt Ion:178 Resp: 42364  
 Ion Ratio Lower Upper  
 178 100  
 179 15.9 12.6 18.8  
 176 18.9 15.4 23.0



#19  
 Fluoranthene  
 Concen: 6.030 ng/ul  
 RT: 19.448 min Scan# 3619  
 Delta R.T. -0.001 min  
 Lab File: BN023341.D  
 Acq: 22 Dec 2022 16:14

Tgt Ion:202 Resp: 686667  
 Ion Ratio Lower Upper  
 202 100  
 101 12.0 9.4 14.2  
 100 8.9 7.0 10.6

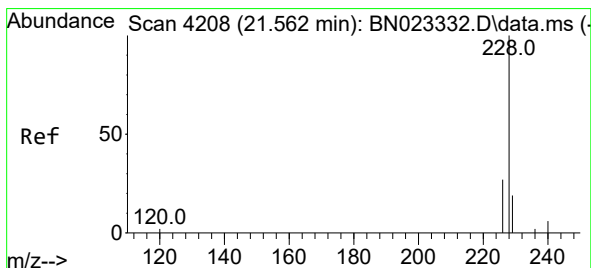
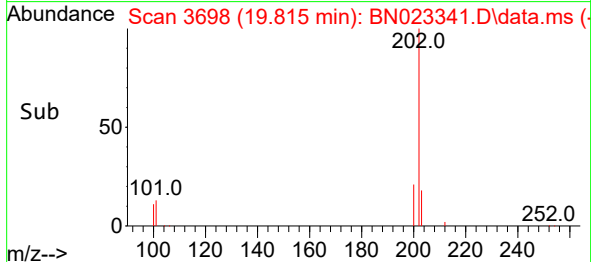
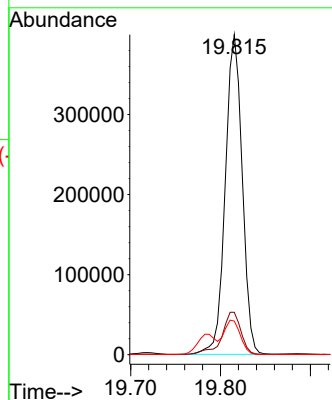
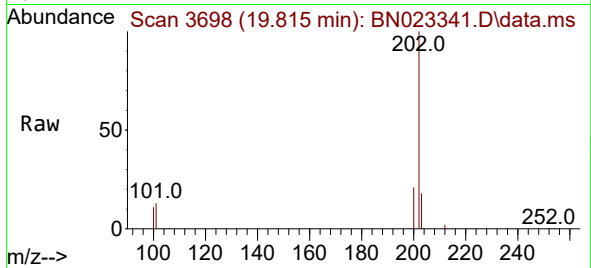




#20  
Pyrene  
Concen: 4.549 ng/ul  
RT: 19.815 min Scan# 3698  
Delta R.T. 0.004 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

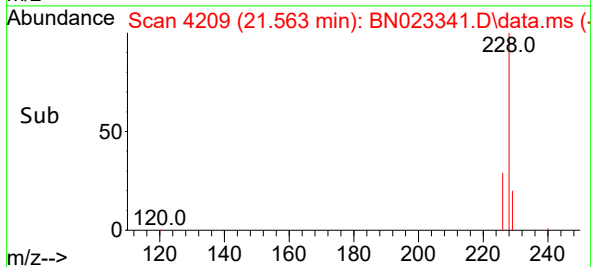
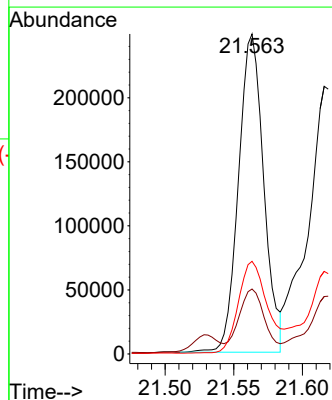
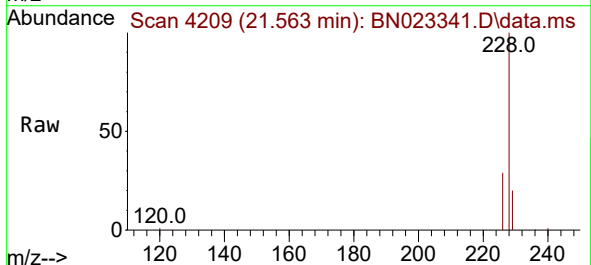
Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:202 Resp: 522161  
Ion Ratio Lower Upper  
202 100  
101 13.2 11.3 16.9  
100 10.5 9.0 13.4

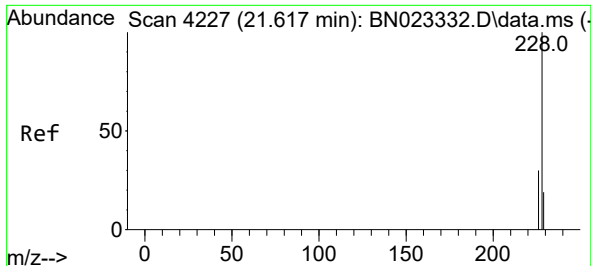


#21  
Benzo(a)anthracene  
Concen: 3.481 ng/ul  
RT: 21.563 min Scan# 4209  
Delta R.T. 0.002 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

Tgt Ion:228 Resp: 318167  
Ion Ratio Lower Upper  
228 100  
229 20.3 15.6 23.4  
226 28.9 22.2 33.2







#22

Chrysene

Concen: 3.536 ng/ul

RT: 21.616 min Scan# 41

Delta R.T. -0.001 min

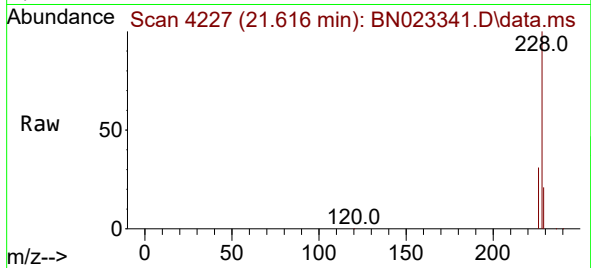
Lab File: BN023341.D

Acq: 22 Dec 2022 16:14

Instrument :

BNA\_N

ClientSampleId :



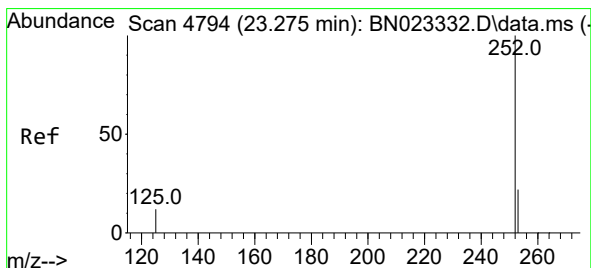
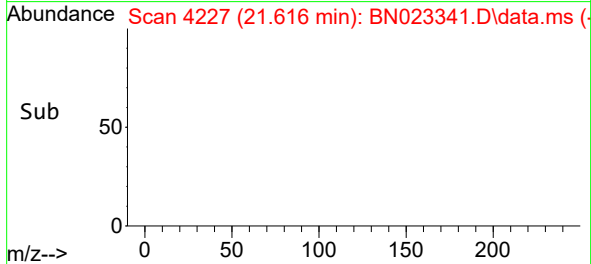
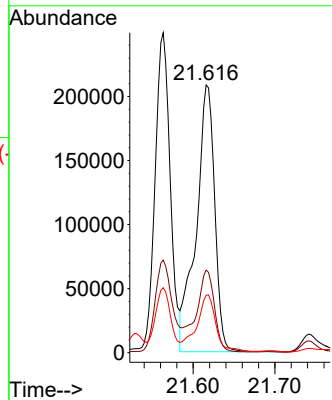
Tgt Ion:228 Resp: 328630

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 21.5 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 6.186 ng/ul

RT: 23.279 min Scan# 4796

Delta R.T. 0.005 min

Lab File: BN023341.D

Acq: 22 Dec 2022 16:14

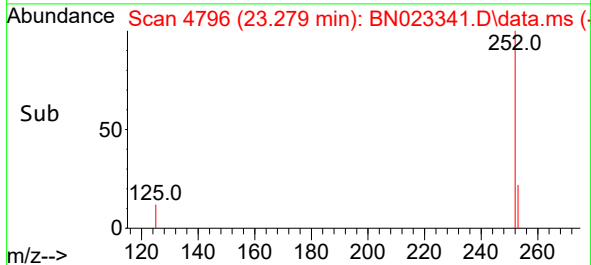
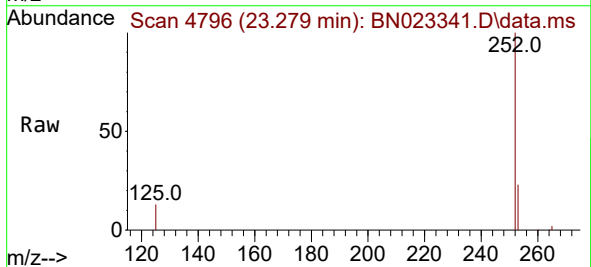
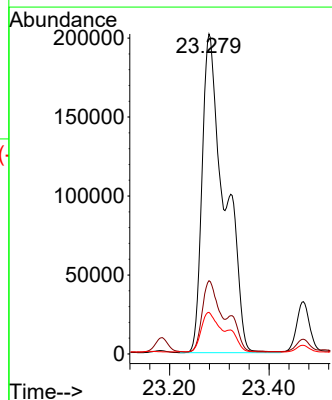
Tgt Ion:252 Resp: 633331

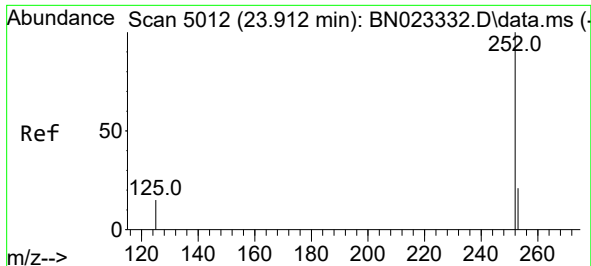
Ion Ratio Lower Upper

252 100

253 22.9 0.0 49.2

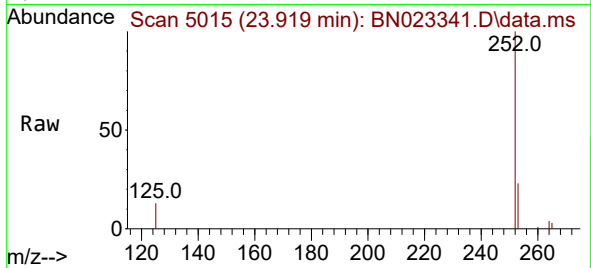
125 13.0 0.0 31.8



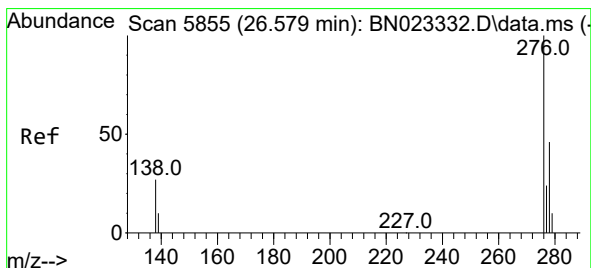
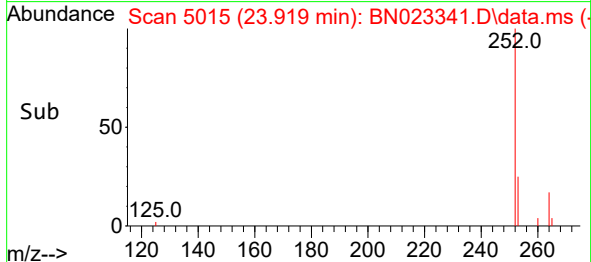
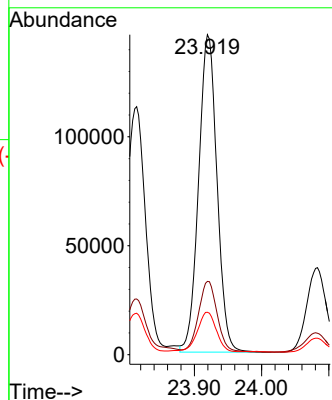


#26  
Benzo(a)pyrene  
Concen: 3.416 ng/ul  
RT: 23.919 min Scan# 5015  
Delta R.T. 0.005 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

Instrument :  
BNA\_N  
ClientSampleId :

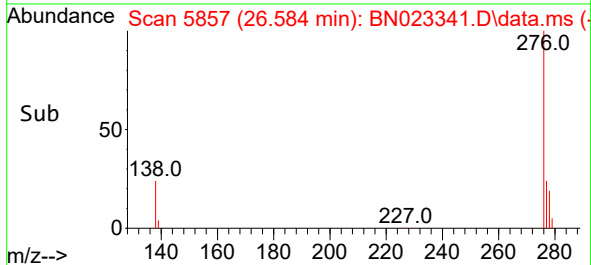
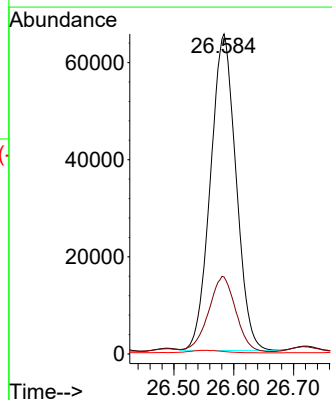
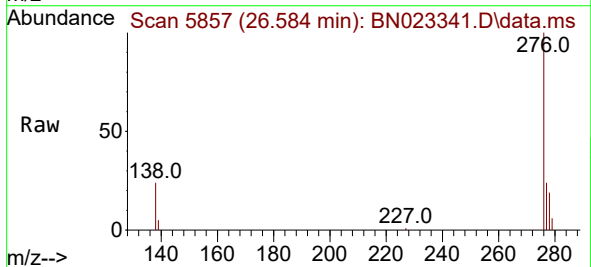


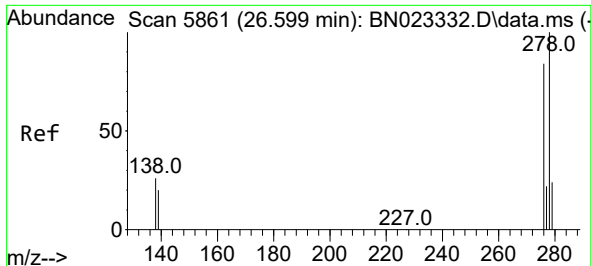
Tgt Ion:252 Resp: 276950  
Ion Ratio Lower Upper  
252 100  
253 22.9 21.4 32.2  
125 13.3 16.2 24.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.045 ng/ul  
RT: 26.584 min Scan# 5857  
Delta R.T. 0.006 min  
Lab File: BN023341.D  
Acq: 22 Dec 2022 16:14

Tgt Ion:276 Resp: 193494  
Ion Ratio Lower Upper  
276 100  
138 25.2 23.4 35.2  
227 0.0 0.0 0.0

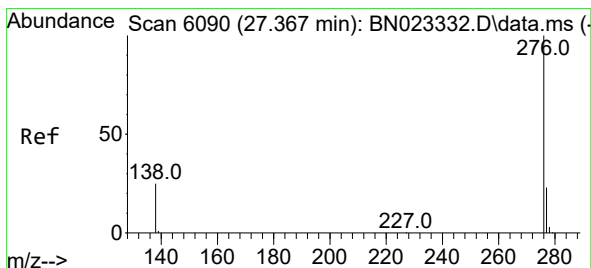
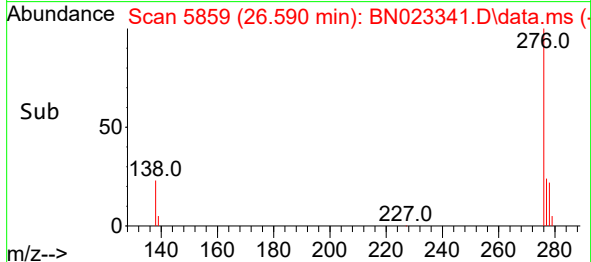
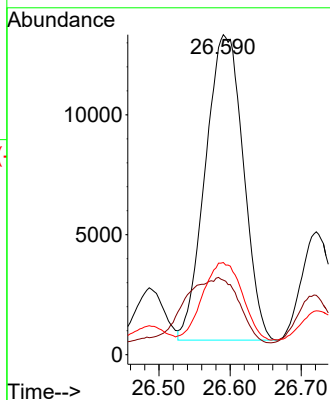
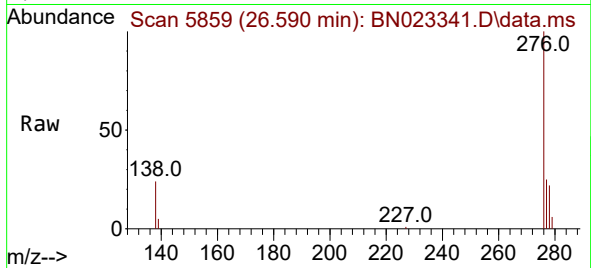




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.641 ng/ul  
 RT: 26.590 min Scan# 5859  
 Delta R.T. -0.011 min  
 Lab File: BN023341.D  
 Acq: 22 Dec 2022 16:14

Instrument :  
 BNA\_N  
 ClientSampleId :

Tgt Ion:278 Resp: 47019  
 Ion Ratio Lower Upper  
 278 100  
 139 23.3 16.6 24.8  
 279 28.8 21.3 31.9



#29  
 Benzo(g,h,i)perylene  
 Concen: 2.007 ng/ul  
 RT: 27.375 min Scan# 6093  
 Delta R.T. 0.006 min  
 Lab File: BN023341.D  
 Acq: 22 Dec 2022 16:14

Tgt Ion:276 Resp: 154819  
 Ion Ratio Lower Upper  
 276 100  
 138 25.0 20.3 30.5  
 277 23.8 19.7 29.5

