

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051822\  
 Data File : BN019839.D  
 Acq On : 18 May 2022 20:32  
 Operator : CG/JU  
 Sample : N2766--16  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: May 19 03:20:01 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 01:41:05 2022  
 Response via : Initial Calibration

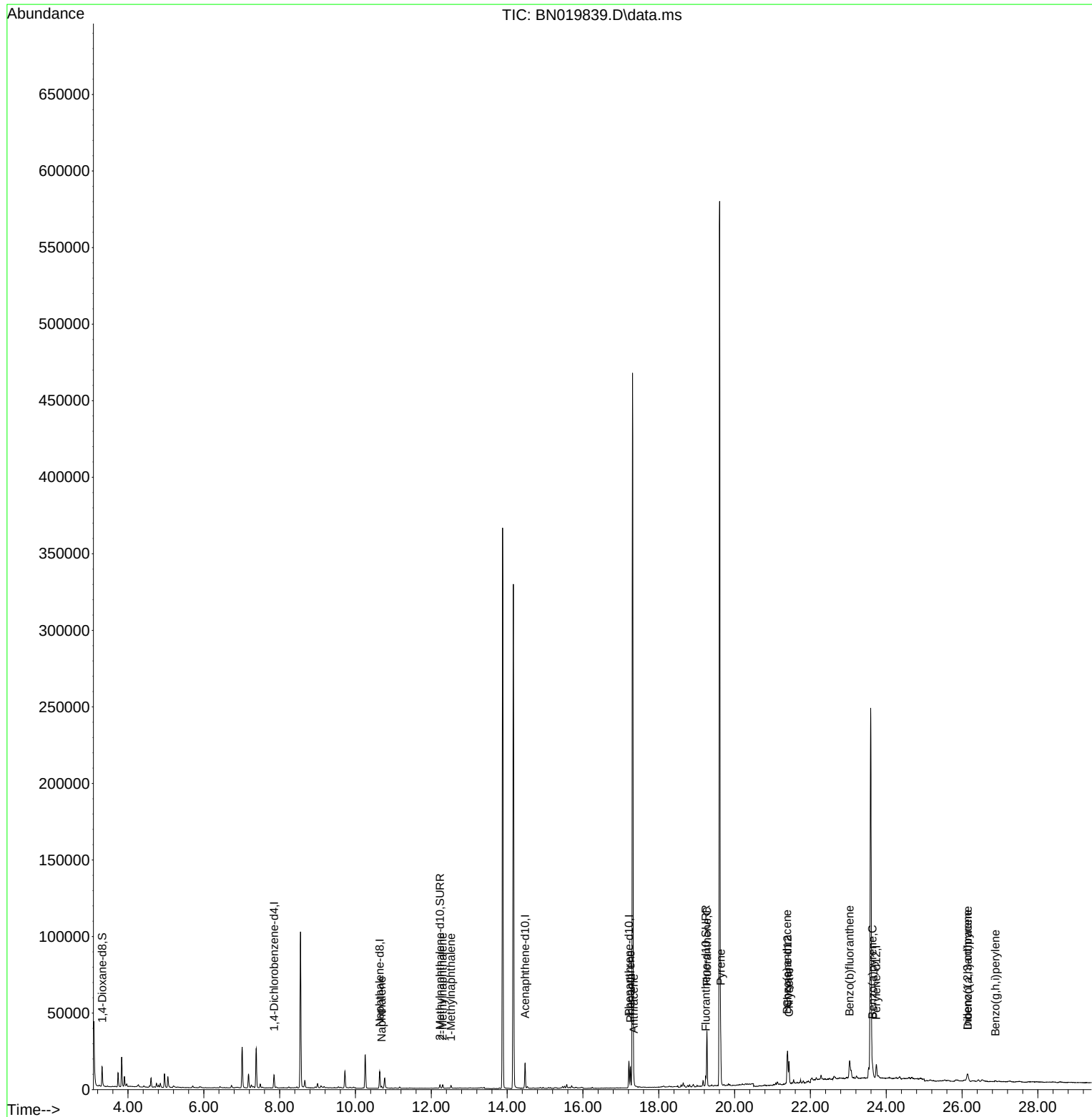
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.855  | 152  | 4220     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.639 | 136  | 14727    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.474 | 164  | 9300     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.213 | 188  | 20534    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.400 | 240  | 16186    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.738 | 264  | 12538    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.319  | 96   | 8499     | 1.702 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.229 | 152  | 3054     | 0.137 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.239 | 212  | 7350     | 0.144 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.689 | 128  | 1777     | 0.037 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 12.300 | 142  | 1698     | 0.058 | ng/ul# | 100      |
| 8) 1-Methylnaphthalene      | 12.520 | 142  | 1352     | 0.050 | ng/ul# | 100      |
| 15) Phenanthrene            | 17.255 | 178  | 14910    | 0.197 | ng/ul  | 98       |
| 16) Anthracene              | 17.344 | 178  | 2520     | 0.041 | ng/ul# | 83       |
| 19) Fluoranthene            | 19.272 | 202  | 31978    | 0.432 | ng/ul  | 99       |
| 20) Pyrene                  | 19.634 | 202  | 28764    | 0.389 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.382 | 228  | 12816    | 0.212 | ng/ul# | 88       |
| 22) Chrysene                | 21.435 | 228  | 16176    | 0.227 | ng/ul# | 89       |
| 24) Benzo(b)fluoranthene    | 23.033 | 252  | 24872    | 0.391 | ng/ul# | 57       |
| 26) Benzo(a)pyrene          | 23.636 | 252  | 9809     | 0.181 | ng/ul# | 70       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.144 | 276  | 7984     | 0.118 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.151 | 278  | 2374     | 0.042 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 26.882 | 276  | 1371     | 0.022 | ng/ul# | 1        |
| -----                       |        |      |          |       |        |          |

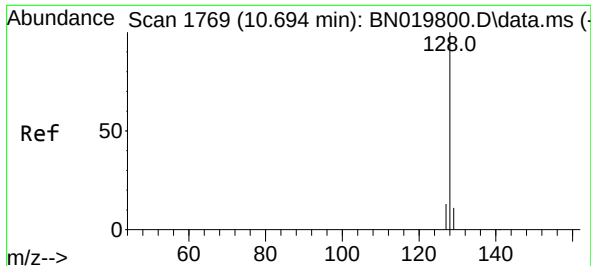
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051822\  
Data File : BN019839.D  
Acq On : 18 May 2022 20:32  
Operator : CG/JU  
Sample : N2766--16  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

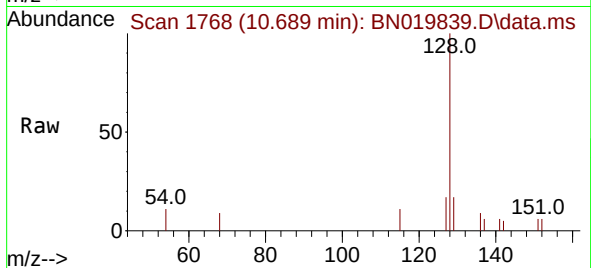
Quant Time: May 19 03:20:01 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 17 01:41:05 2022  
Response via : Initial Calibration



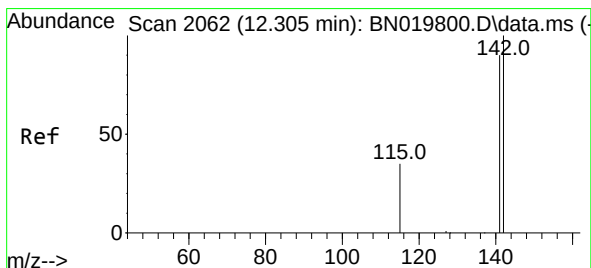
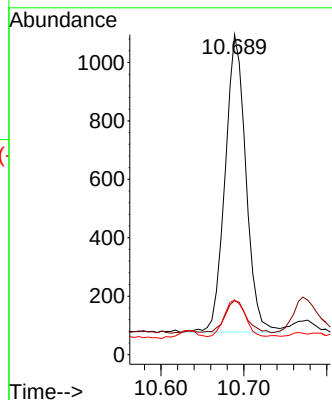
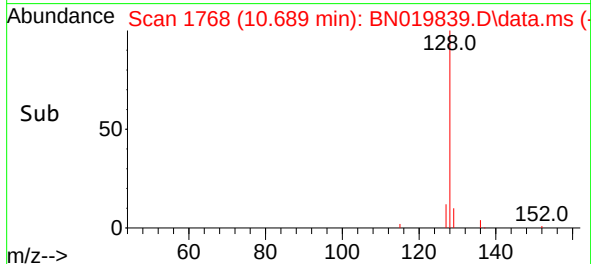


#5  
Naphthalene  
Concen: 0.037 ng/ul  
RT: 10.689 min Scan# 1768  
Delta R.T. -0.005 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

Instrument :  
BNA\_N  
ClientSampleId :

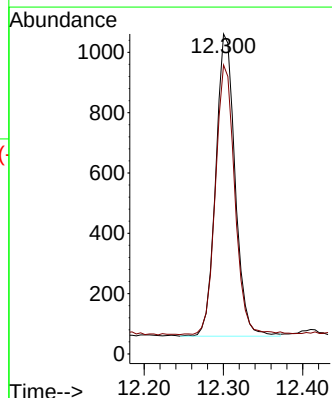
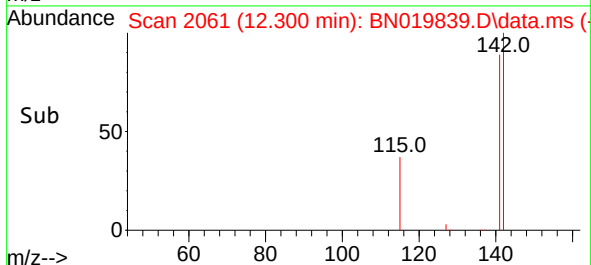
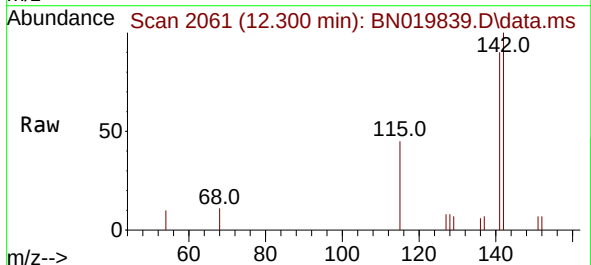


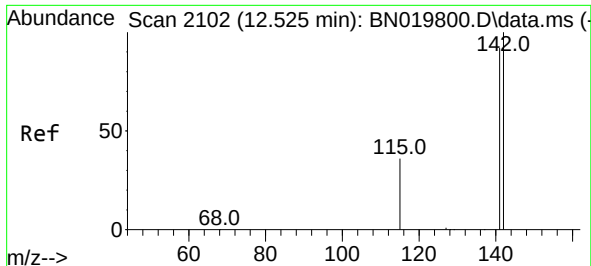
Tgt Ion:128 Resp: 1777  
Ion Ratio Lower Upper  
128 100  
129 16.9 9.5 14.3#  
127 17.1 11.0 16.4#



#7  
2-Methylnaphthalene  
Concen: 0.058 ng/ul  
RT: 12.300 min Scan# 2061  
Delta R.T. -0.005 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

Tgt Ion:142 Resp: 1698  
Ion Ratio Lower Upper  
142 100  
141 89.5 0.0 0.0#

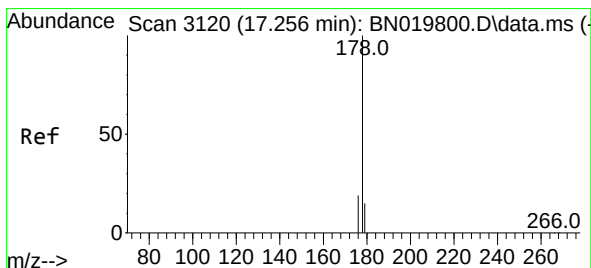
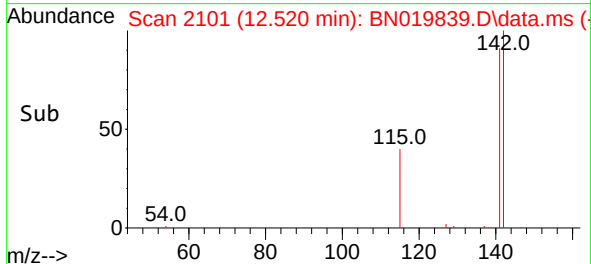
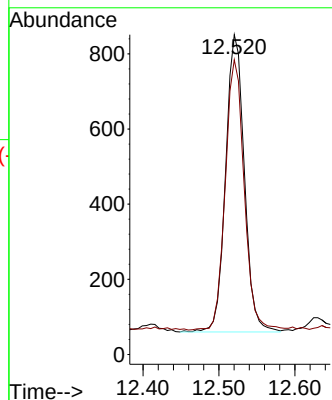
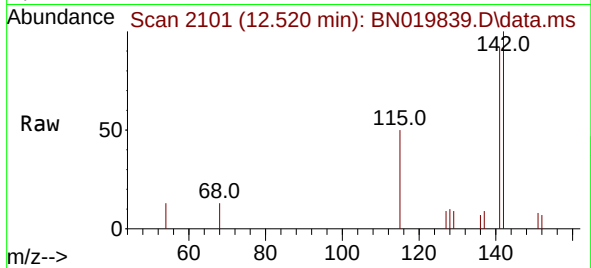




#8  
1-Methylnaphthalene  
Concen: 0.050 ng/ul  
RT: 12.520 min Scan# 2102  
Delta R.T. -0.005 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

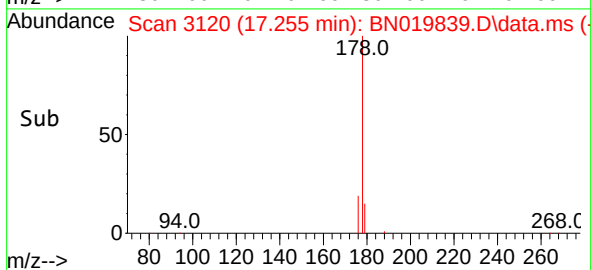
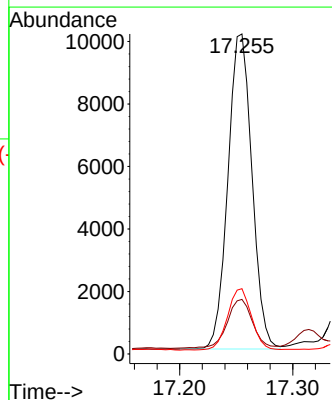
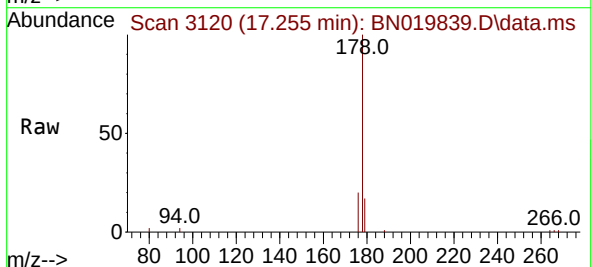
Instrument :  
BNA\_N  
ClientSampleId :

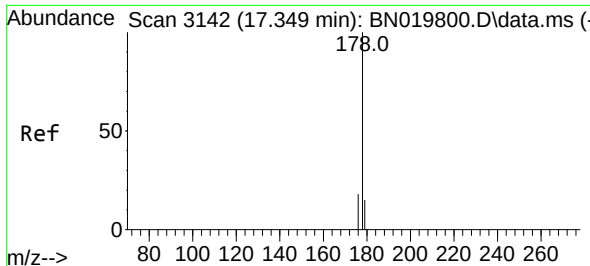
Tgt Ion:142 Resp: 1352  
Ion Ratio Lower Upper  
142 100  
141 91.7 0.0 0.0#



#15  
Phenanthrene  
Concen: 0.197 ng/ul  
RT: 17.255 min Scan# 3120  
Delta R.T. 0.000 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

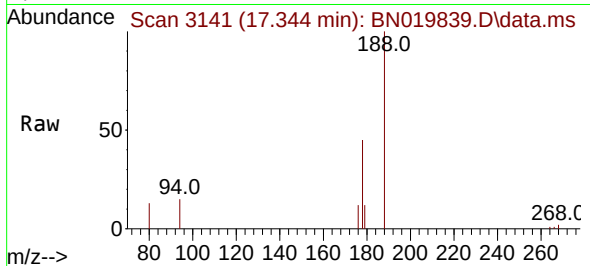
Tgt Ion:178 Resp: 14910  
Ion Ratio Lower Upper  
178 100  
179 17.0 12.9 19.3  
176 20.4 15.5 23.3



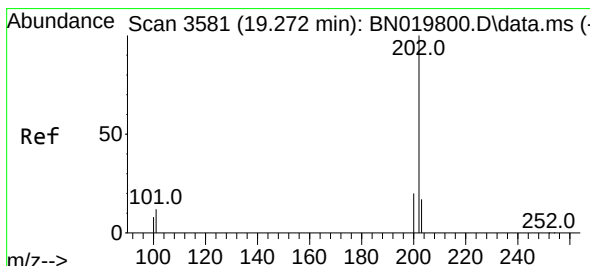
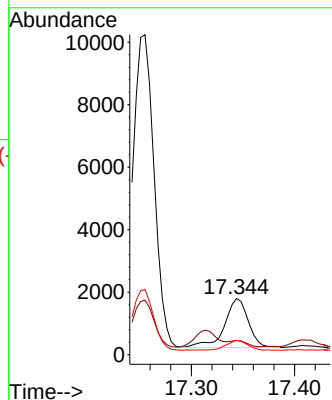
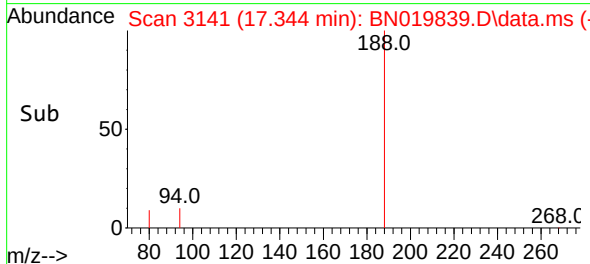


#16  
 Anthracene  
 Concen: 0.041 ng/ul  
 RT: 17.344 min Scan# 3141  
 Delta R.T. -0.004 min  
 Lab File: BN019839.D  
 Acq: 18 May 2022 20:32

Instrument :  
 BNA\_N  
 ClientSampleId :

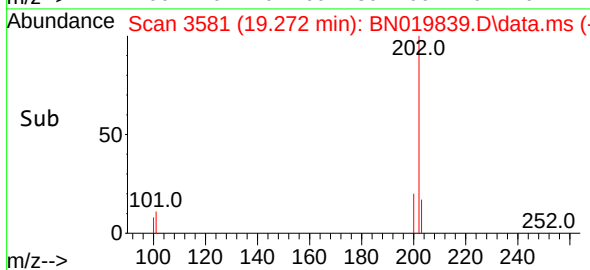
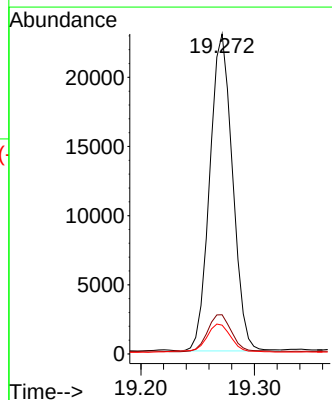
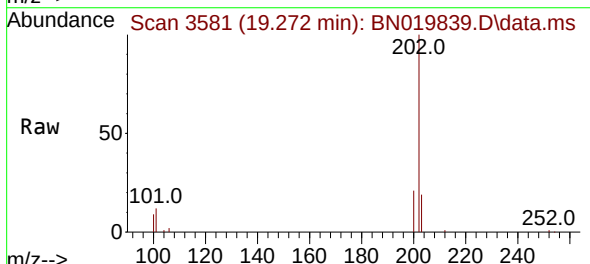


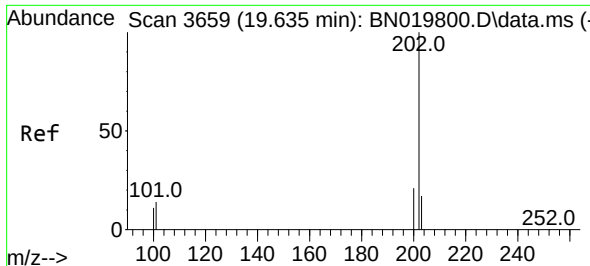
Tgt Ion:178 Resp: 2520  
 Ion Ratio Lower Upper  
 178 100  
 179 25.4 13.1 19.7#  
 176 25.4 15.3 22.9#



#19  
 Fluoranthene  
 Concen: 0.432 ng/ul  
 RT: 19.272 min Scan# 3581  
 Delta R.T. 0.000 min  
 Lab File: BN019839.D  
 Acq: 18 May 2022 20:32

Tgt Ion:202 Resp: 31978  
 Ion Ratio Lower Upper  
 202 100  
 101 12.3 9.7 14.5  
 100 9.0 7.4 11.2

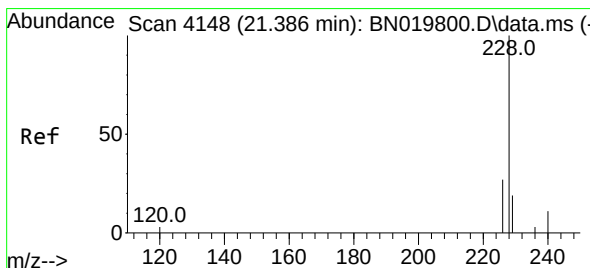
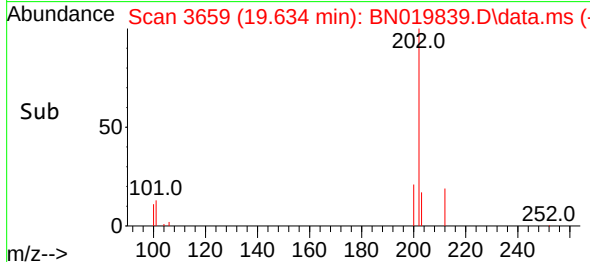
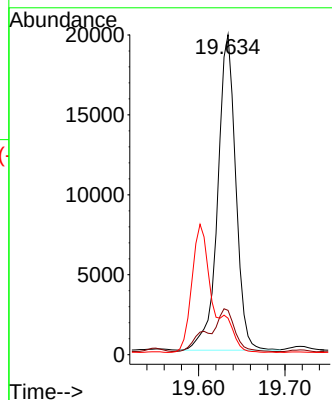
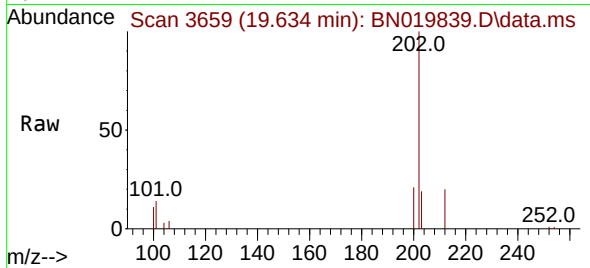




#20  
Pyrene  
Concen: 0.389 ng/ul  
RT: 19.634 min Scan# 3659  
Delta R.T. 0.000 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

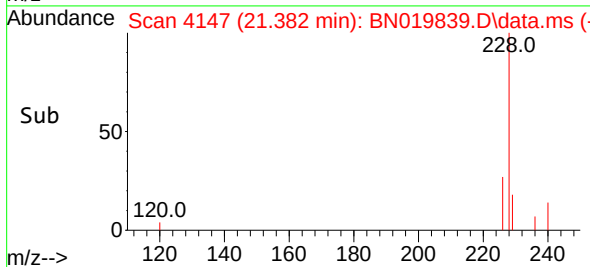
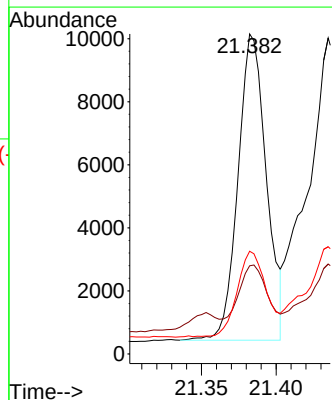
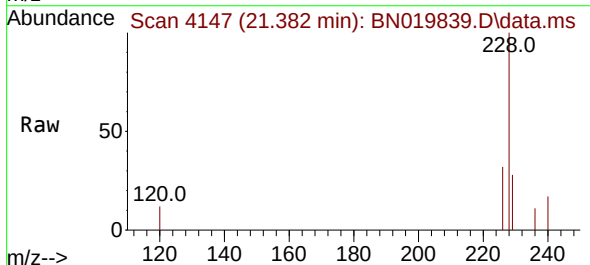
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BNA\_N  
ClientSampleId :

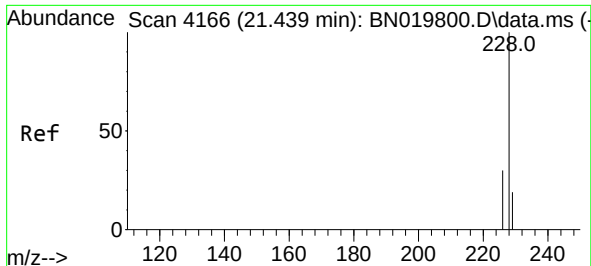
Tgt Ion:202 Resp: 28764  
Ion Ratio Lower Upper  
202 100  
101 13.8 11.4 17.0  
100 11.4 9.0 13.4



#21  
Benzo(a)anthracene  
Concen: 0.212 ng/ul  
RT: 21.382 min Scan# 4147  
Delta R.T. -0.006 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

Tgt Ion:228 Resp: 12816  
Ion Ratio Lower Upper  
228 100  
229 27.6 16.1 24.1#  
226 32.1 22.1 33.1





#22

Chrysene

Concen: 0.227 ng/ul

RT: 21.435 min Scan# 4166

Delta R.T. -0.006 min

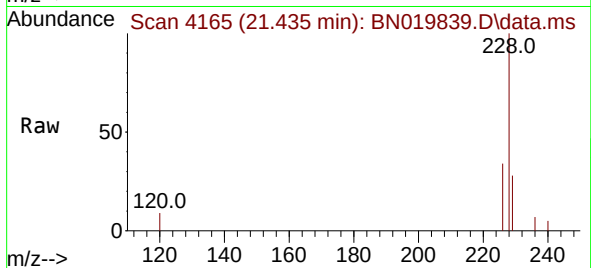
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Acq: 18 May 2022 20:32

Instrument :

BNA\_N

ClientSampleId :



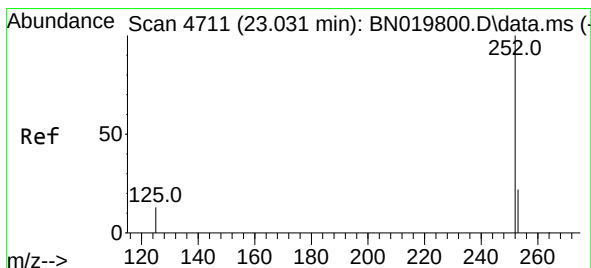
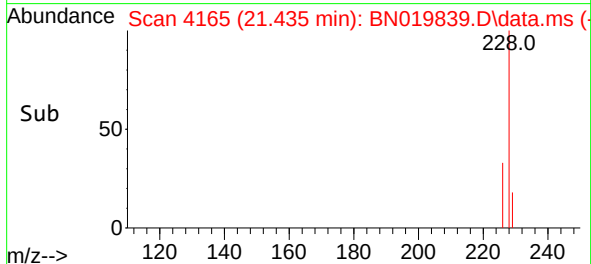
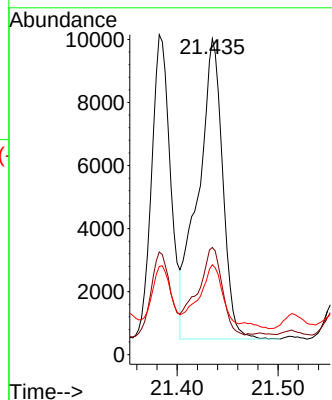
Tgt Ion:228 Resp: 16176

Ion Ratio Lower Upper

228 100

226 33.9 24.2 36.2

229 28.5 16.0 24.0#



#24

Benzo(b)fluoranthene

Concen: 0.391 ng/ul

RT: 23.033 min Scan# 4712

Delta R.T. 0.000 min

Lab File: BN019839.D

Acq: 18 May 2022 20:32

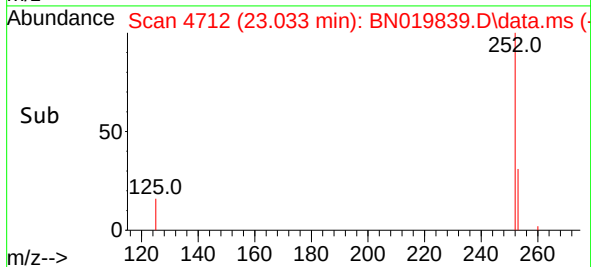
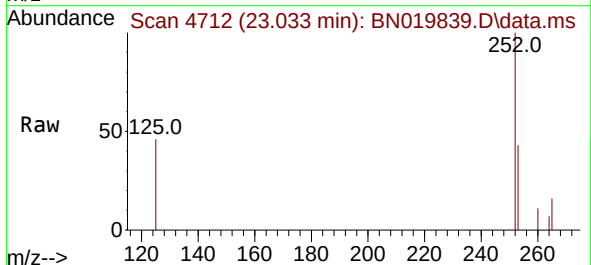
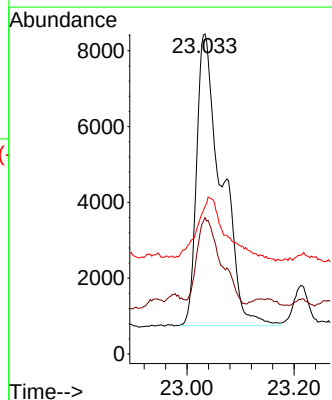
Tgt Ion:252 Resp: 24872

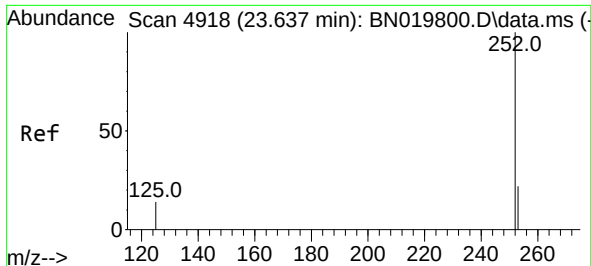
Ion Ratio Lower Upper

252 100

253 42.6 0.0 52.0

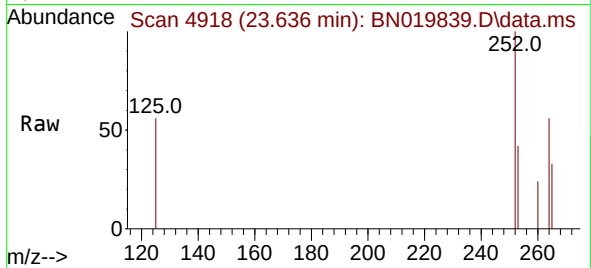
125 46.1 0.0 40.2#



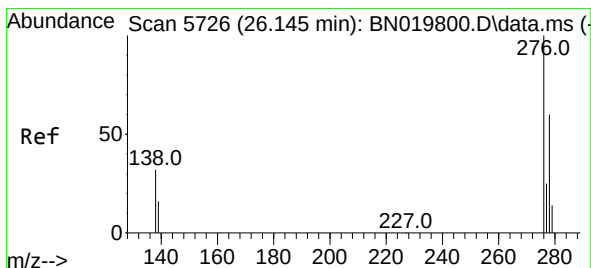
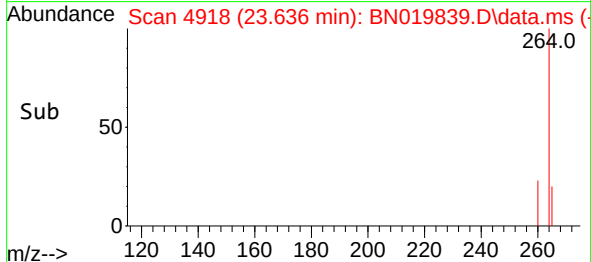
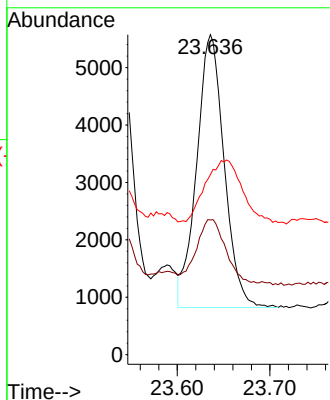


#26  
Benzo(a)pyrene  
Concen: 0.181 ng/ul  
RT: 23.636 min Scan# 4918  
Delta R.T. -0.003 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

Instrument :  
BNA\_N  
ClientSampleId :

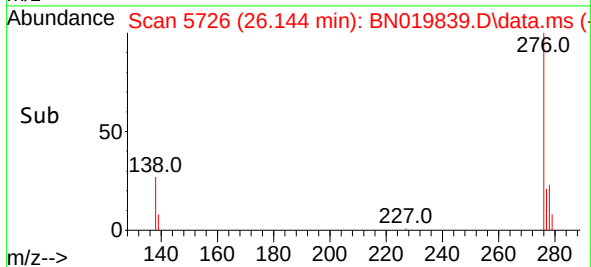
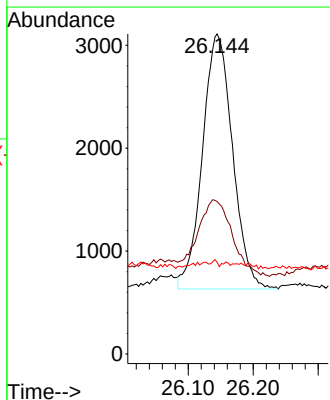
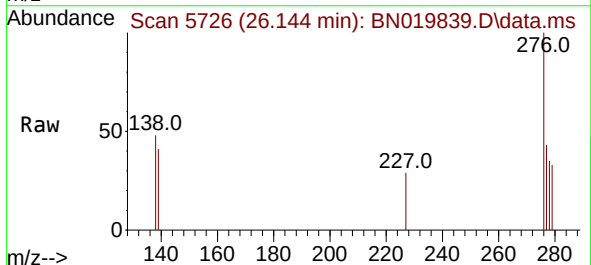


Tgt Ion:252 Resp: 9809  
Ion Ratio Lower Upper  
252 100  
253 42.1 23.4 35.0#  
125 56.2 28.3 42.5#

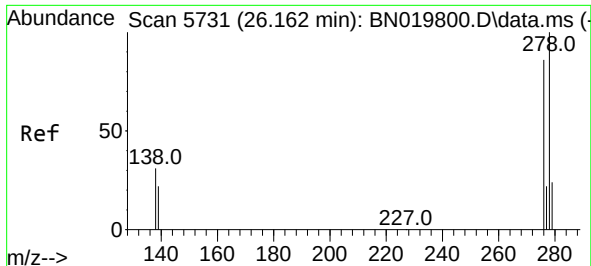


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.118 ng/ul  
RT: 26.144 min Scan# 5726  
Delta R.T. -0.003 min  
Lab File: BN019839.D  
Acq: 18 May 2022 20:32

Tgt Ion:276 Resp: 7984  
Ion Ratio Lower Upper  
276 100  
138 34.8 23.6 35.4  
227 0.7 0.0 0.0#







#28

Dibenzo(a,h)anthracene

Concen: 0.042 ng/ul

RT: 26.151 min Scan# 51

Delta R.T. -0.013 min

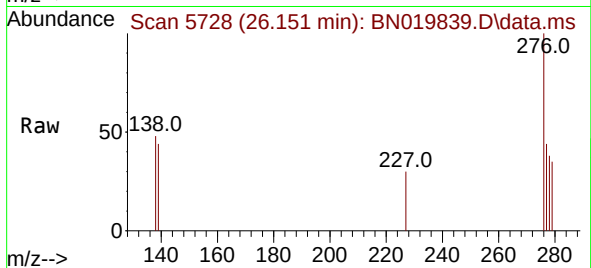
Lab File: BN019839.D

Acq: 18 May 2022 20:32

Instrument :

BNA\_N

ClientSampleId :



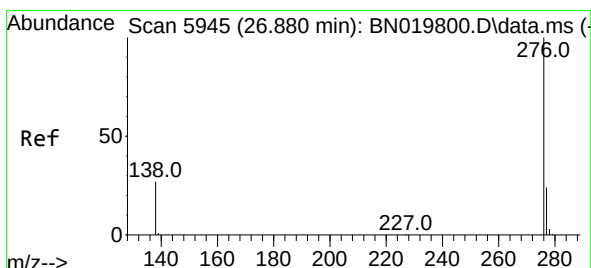
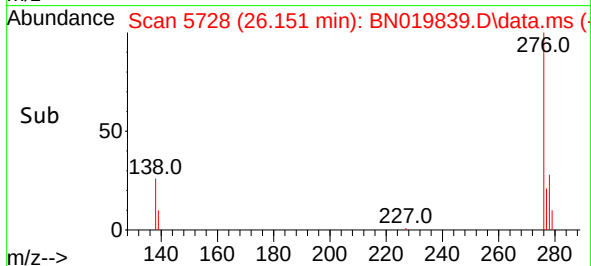
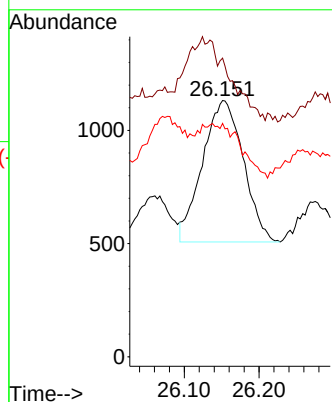
Tgt Ion:278 Resp: 2374

Ion Ratio Lower Upper

278 100

139 116.5 18.6 28.0#

279 91.1 35.1 52.7#



#29

Benzo(g,h,i)perylene

Concen: 0.022 ng/ul

RT: 26.882 min Scan# 5946

Delta R.T. 0.003 min

Lab File: BN019839.D

Acq: 18 May 2022 20:32

Tgt Ion:276 Resp: 1371

Ion Ratio Lower Upper

276 100

138 84.3 20.9 31.3#

277 82.9 20.4 30.6#

