

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026238.D  
 Acq On : 03 Jul 2023 23:05  
 Operator : MA/JU  
 Sample : 03246-21  
 Misc :  
 ALS Vial : 95 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 04 01:04:48 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 04 00:40:07 2023  
 Response via : Initial Calibration

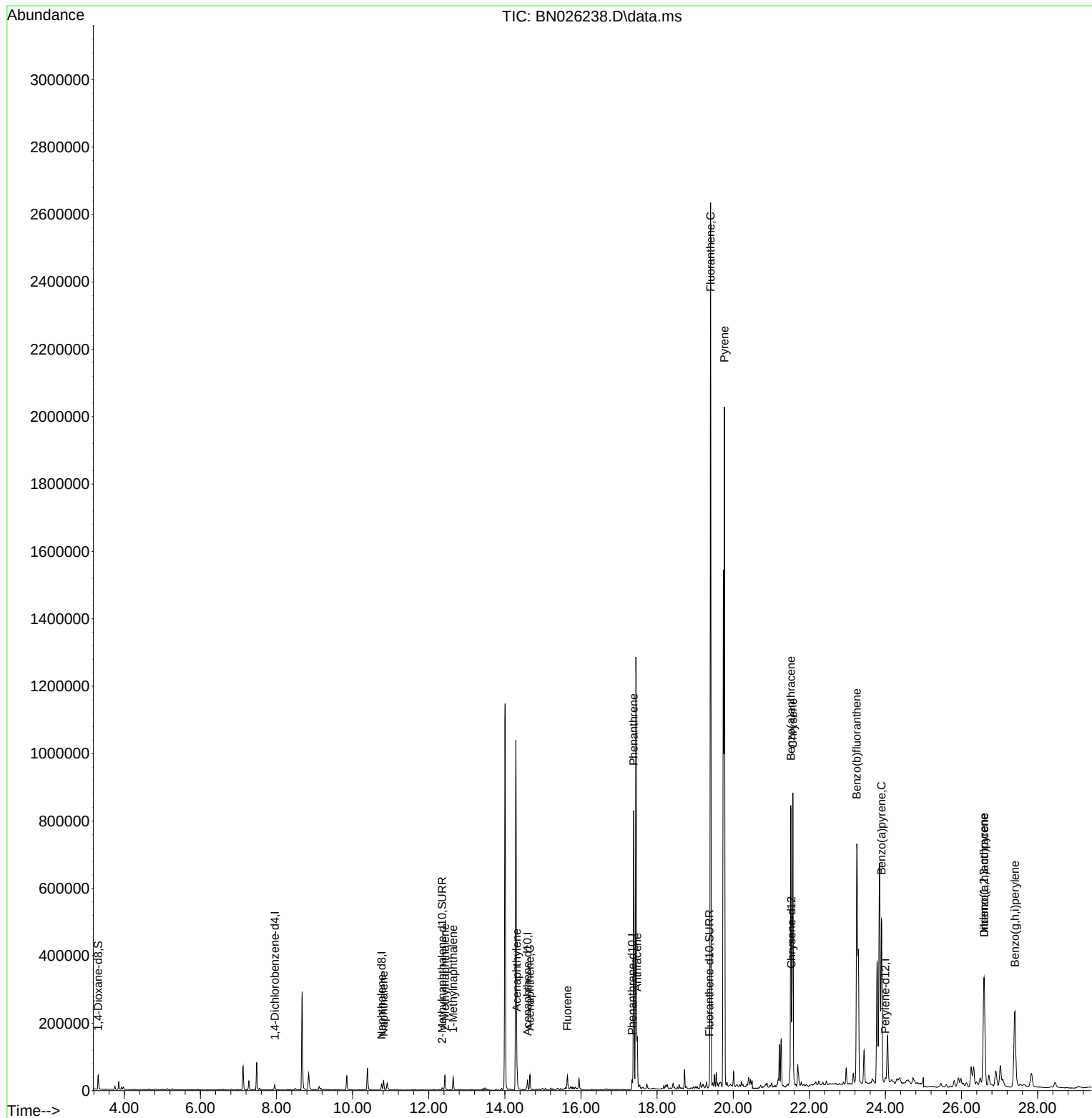
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.951  | 152  | 8484     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.765 | 136  | 26344    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.593 | 164  | 16584    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.343 | 188  | 34011    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.532 | 240  | 19561    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.999 | 264  | 19579    | 0.400  | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 28344    | 2.967  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.354 | 152  | 9025     | 0.223  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.373 | 212  | 18014    | 0.242  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.814 | 128  | 39160    | 0.519  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.425 | 142  | 32699    | 0.680  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.640 | 142  | 27330    | 0.549  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.316 | 152  | 81039    | 1.044  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.658 | 153  | 26438    | 0.416  | ng/ul  | 99       |
| 12) Fluorene                | 15.643 | 166  | 26348    | 0.362  | ng/ul# | 98       |
| 15) Phenanthrene            | 17.385 | 178  | 910467   | 8.104  | ng/ul  | 99       |
| 16) Anthracene              | 17.478 | 178  | 149817   | 1.500  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.405 | 202  | 2240586  | 21.445 | ng/ul  | 96       |
| 20) Pyrene                  | 19.768 | 202  | 1721668  | 15.843 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.514 | 228  | 723580   | 8.967  | ng/ul  | 98       |
| 22) Chrysene                | 21.567 | 228  | 886821   | 10.562 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.247 | 252  | 1643271  | 19.664 | ng/ul  | 88       |
| 26) Benzo(a)pyrene          | 23.896 | 252  | 761915   | 10.497 | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.591 | 276  | 606154   | 7.646  | ng/ul# | 82       |
| 28) Dibenzo(a,h)anthracene  | 26.598 | 278  | 143781   | 2.396  | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 27.403 | 276  | 533888   | 7.570  | ng/ul# | 91       |
| -----                       |        |      |          |        |        |          |

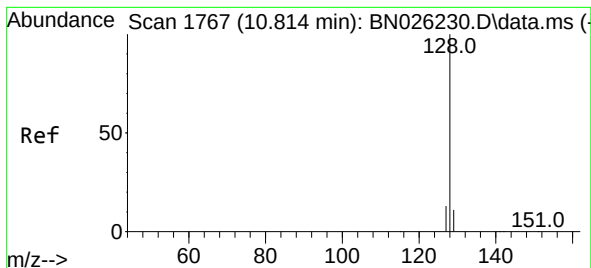
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
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ALS Vial : 95 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 04 01:04:48 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 04 00:40:07 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.519 ng/ul

RT: 10.814 min Scan# 1

Delta R.T. -0.000 min

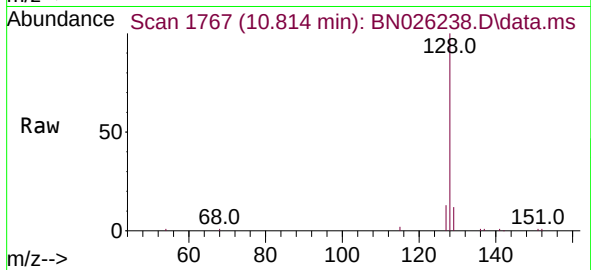
Lab File: BN026238.D

Acq: 03 Jul 2023 23:05

Instrument :

BNA\_N

ClientSampleId :



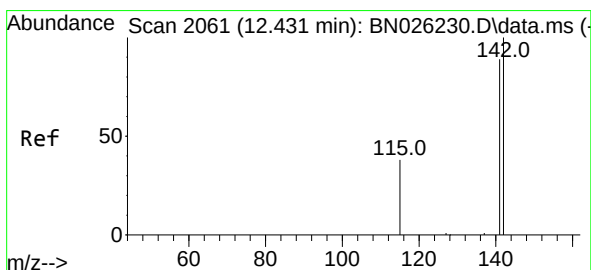
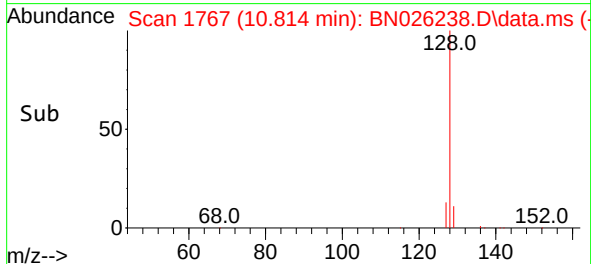
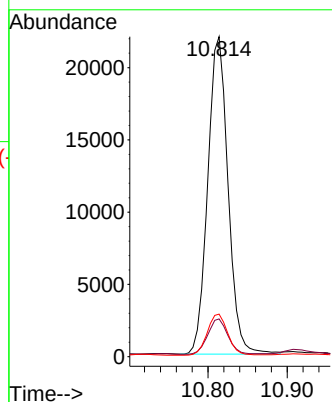
Tgt Ion:128 Resp: 39160

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

127 13.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.680 ng/ul

RT: 12.425 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BN026238.D

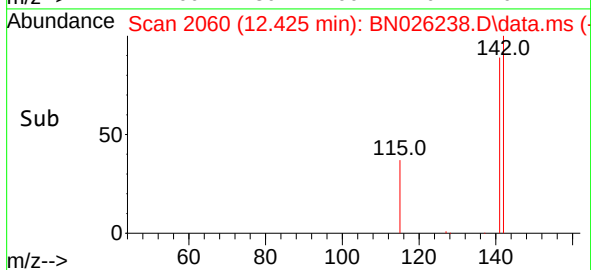
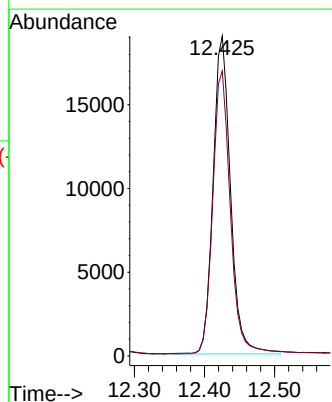
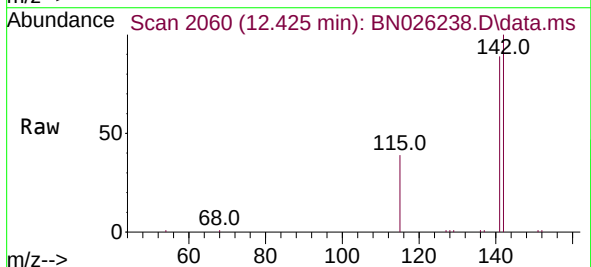
Acq: 03 Jul 2023 23:05

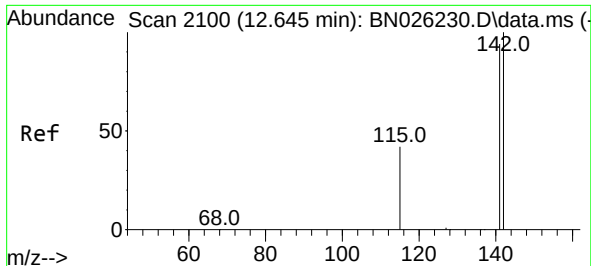
Tgt Ion:142 Resp: 32699

Ion Ratio Lower Upper

142 100

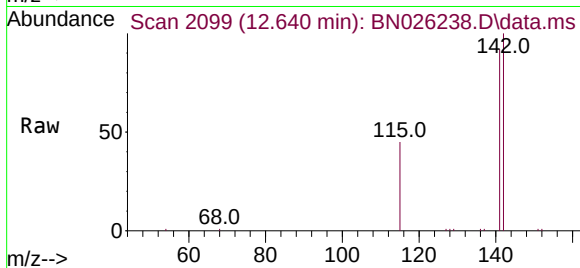
141 89.7 71.9 107.9



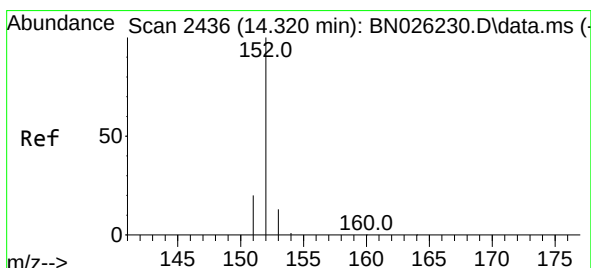
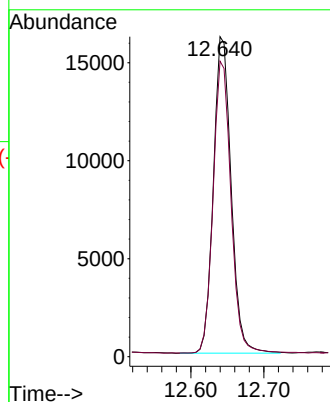
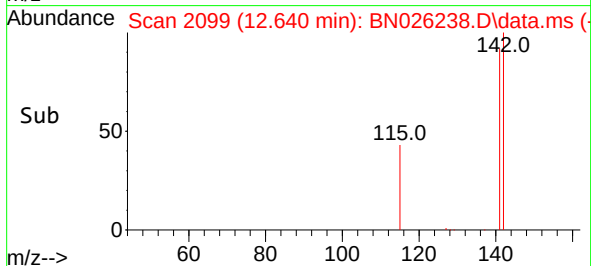


#8  
1-Methylnaphthalene  
Concen: 0.549 ng/ul  
RT: 12.640 min Scan# 2099  
Delta R.T. -0.006 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

Instrument :  
BNA\_N  
ClientSampleId :

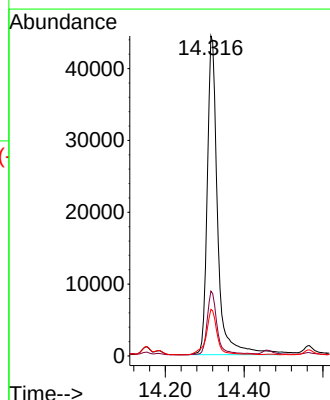
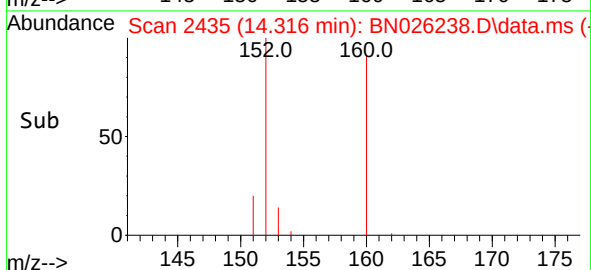
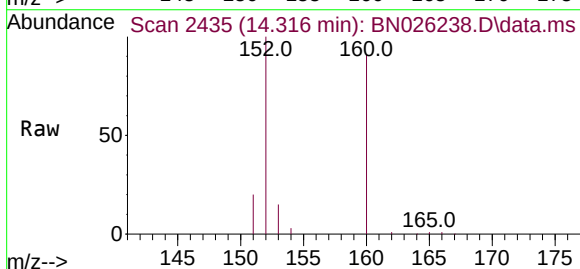


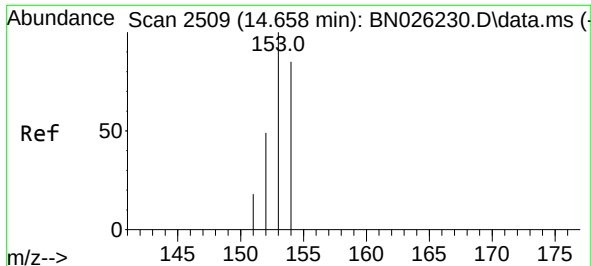
Tgt Ion:142 Resp: 27330  
Ion Ratio Lower Upper  
142 100  
141 92.6 74.2 111.4



#10  
Acenaphthylene  
Concen: 1.044 ng/ul  
RT: 14.316 min Scan# 2435  
Delta R.T. -0.005 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

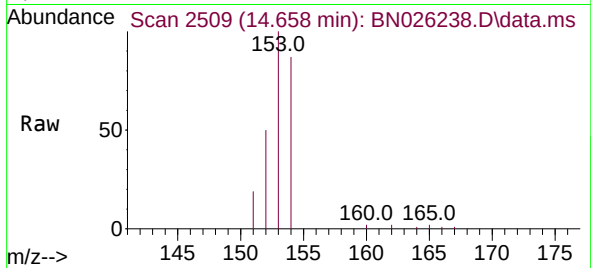
Tgt Ion:152 Resp: 81039  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.4  
153 14.6 10.9 16.3



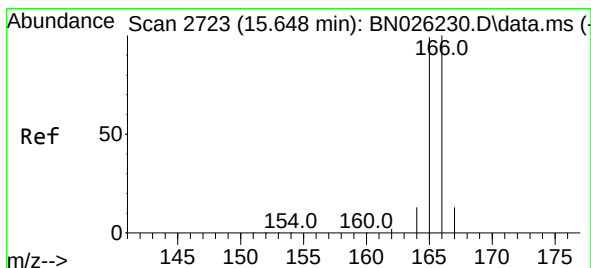
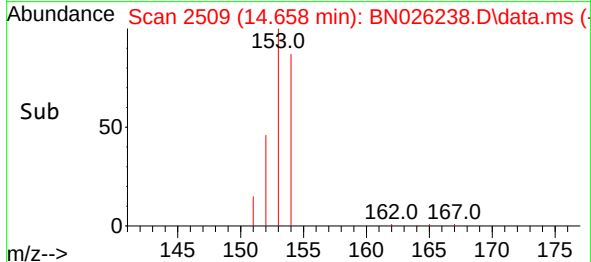
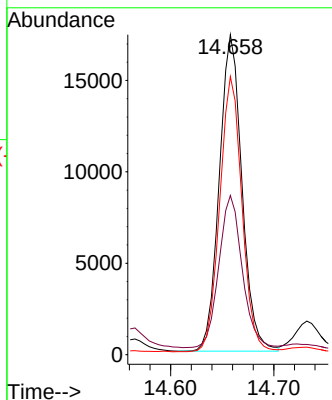


#11  
Acenaphthene  
Concen: 0.416 ng/ul  
RT: 14.658 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

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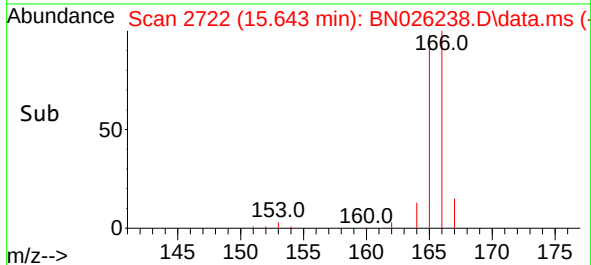
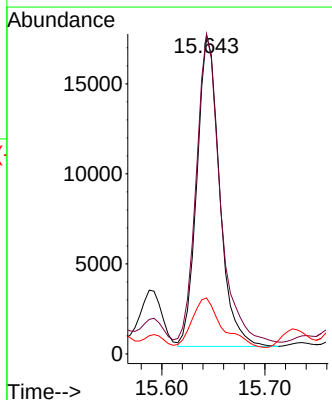
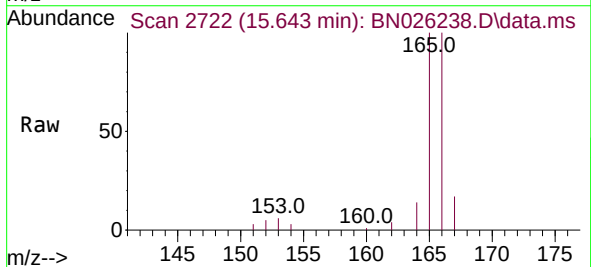


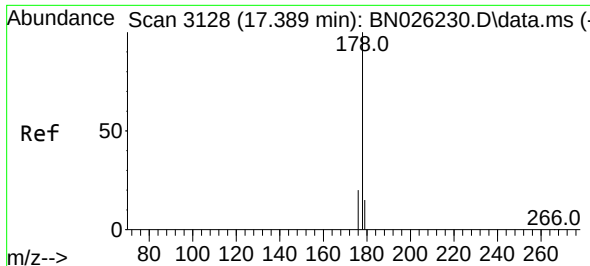
Tgt Ion:153 Resp: 26438  
Ion Ratio Lower Upper  
153 100  
152 49.7 39.4 59.0  
154 86.9 68.9 103.3



#12  
Fluorene  
Concen: 0.362 ng/ul  
RT: 15.643 min Scan# 2722  
Delta R.T. -0.005 min  
Lab File: BN026238.D  
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Tgt Ion:166 Resp: 26348  
Ion Ratio Lower Upper  
166 100  
165 100.3 79.9 119.9  
167 17.5 10.8 16.2#

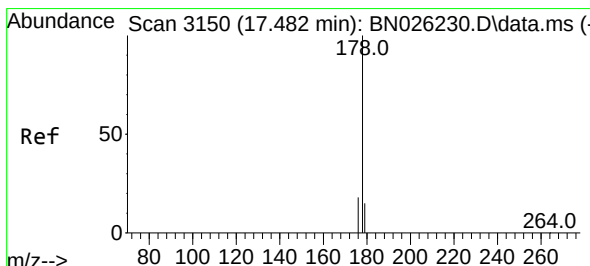
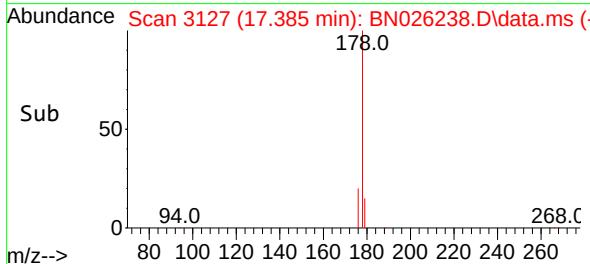
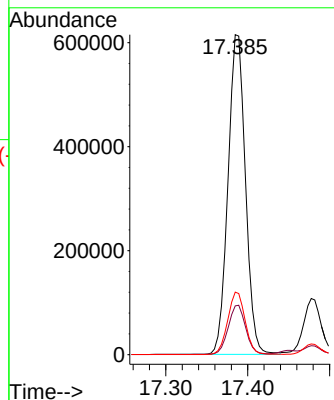
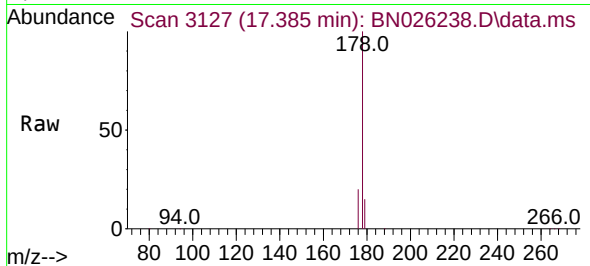




#15  
Phenanthrene  
Concen: 8.104 ng/ul  
RT: 17.385 min Scan# 3128  
Delta R.T. -0.004 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

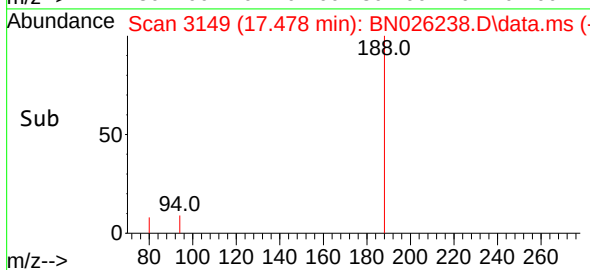
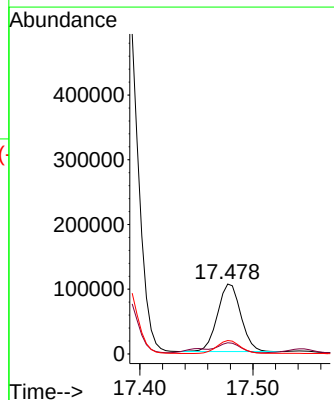
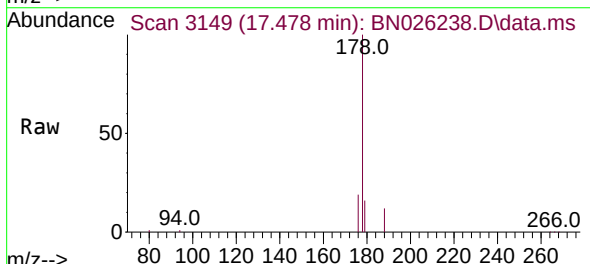
Instrument :  
BNA\_N  
ClientSampleId :

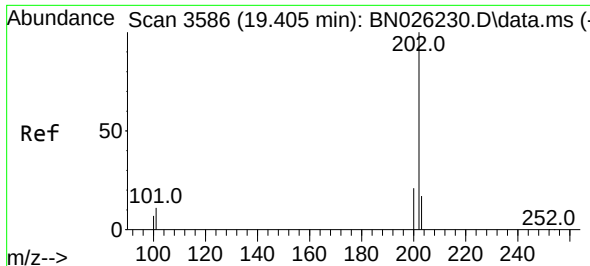
Tgt Ion:178 Resp: 910467  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 19.0  
176 19.6 15.8 23.6



#16  
Anthracene  
Concen: 1.500 ng/ul  
RT: 17.478 min Scan# 3149  
Delta R.T. -0.004 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

Tgt Ion:178 Resp: 149817  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.6 18.8  
176 19.2 15.1 22.7

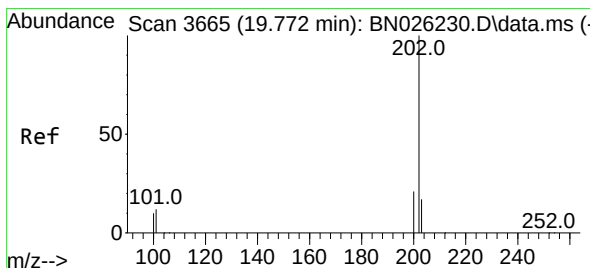
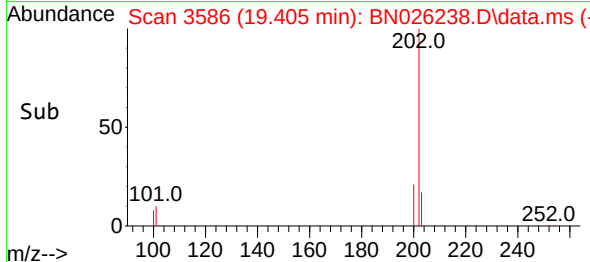
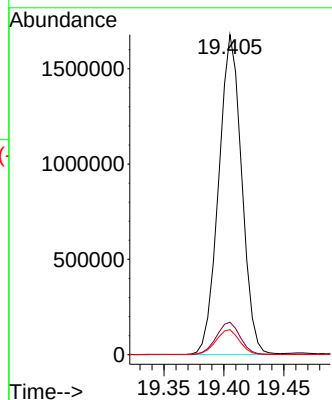
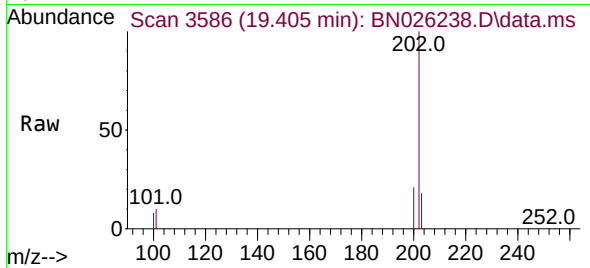




#19  
Fluoranthene  
Concen: 21.445 ng/ul  
RT: 19.405 min Scan# 3586  
Delta R.T. -0.000 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

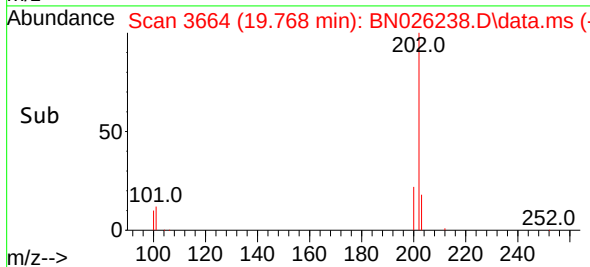
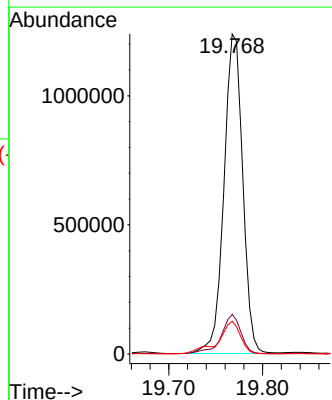
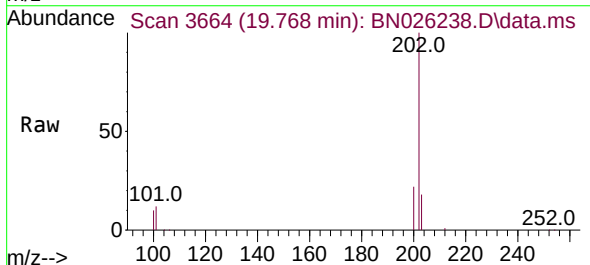
Instrument :  
BNA\_N  
ClientSampleId :

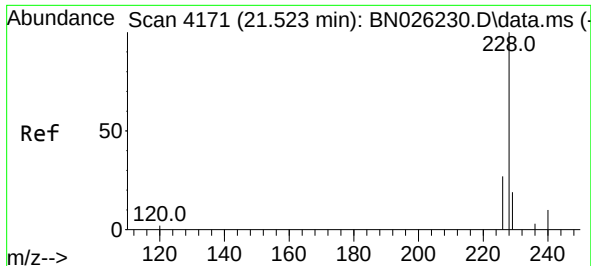
Tgt Ion:202 Resp: 2240586  
Ion Ratio Lower Upper  
202 100  
101 10.2 9.5 14.3  
100 7.8 7.3 10.9



#20  
Pyrene  
Concen: 15.843 ng/ul  
RT: 19.768 min Scan# 3664  
Delta R.T. -0.005 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

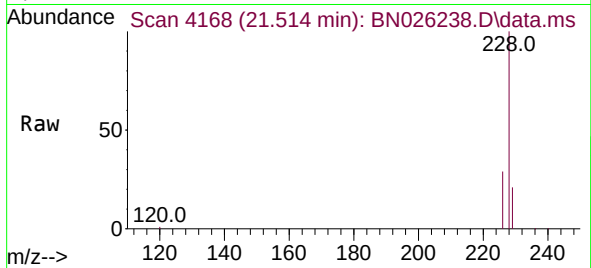
Tgt Ion:202 Resp: 1721668  
Ion Ratio Lower Upper  
202 100  
101 12.3 11.4 17.0  
100 10.2 9.1 13.7



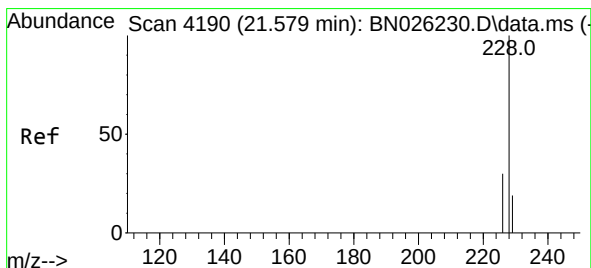
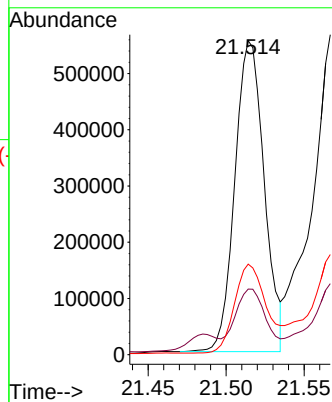
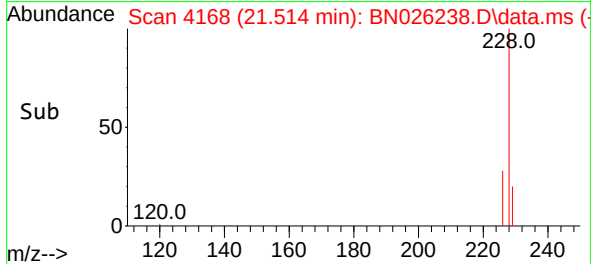


#21  
Benzo(a)anthracene  
Concen: 8.967 ng/ul  
RT: 21.514 min Scan# 4171  
Delta R.T. -0.009 min  
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ClientSampleId :

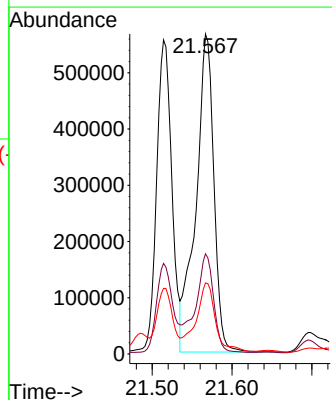
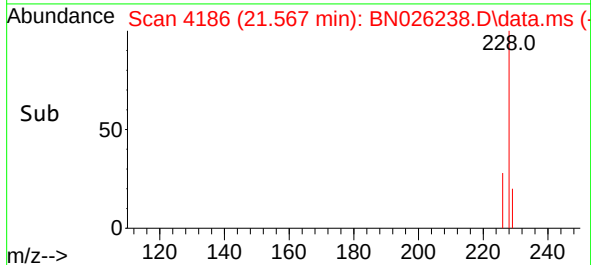
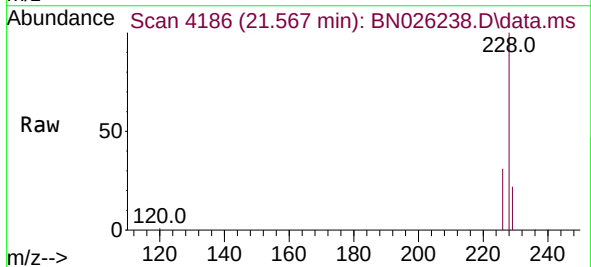


Tgt Ion:228 Resp: 723580  
Ion Ratio Lower Upper  
228 100  
229 20.9 15.8 23.6  
226 28.8 22.5 33.7

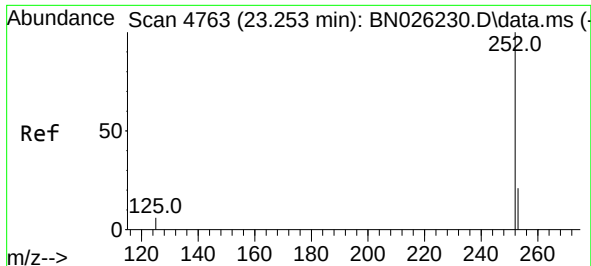


#22  
Chrysene  
Concen: 10.562 ng/ul  
RT: 21.567 min Scan# 4186  
Delta R.T. -0.012 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

Tgt Ion:228 Resp: 886821  
Ion Ratio Lower Upper  
228 100  
226 31.3 24.8 37.2  
229 22.2 15.7 23.5

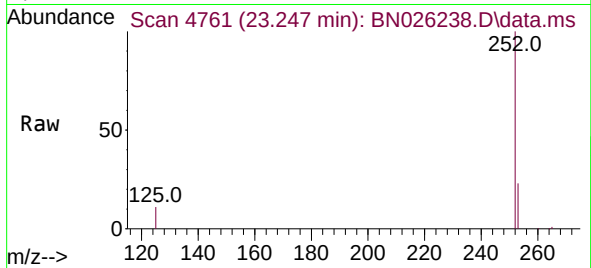




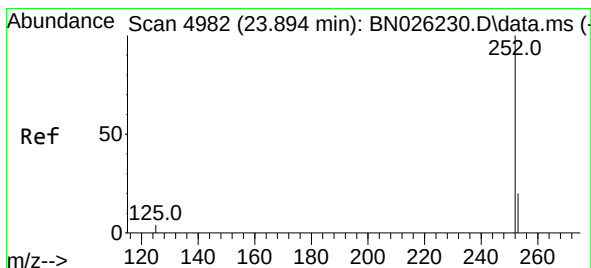
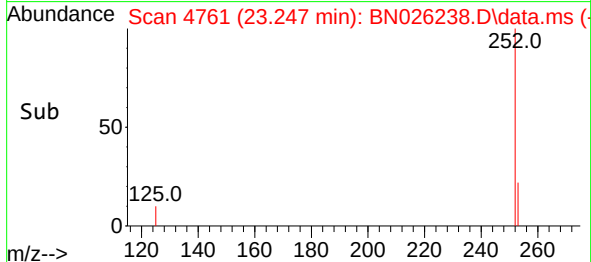
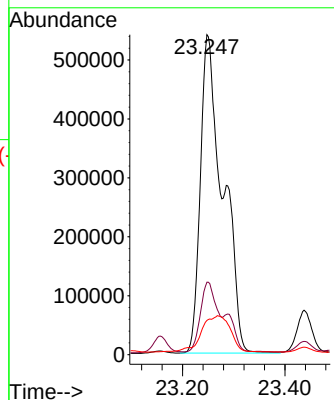


#24  
Benzo(b)fluoranthene  
Concen: 19.664 ng/ul  
RT: 23.247 min Scan# 4761  
Delta R.T. -0.006 min  
Lab File: BN026238.D  
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Instrument :  
BNA\_N  
ClientSampleId :

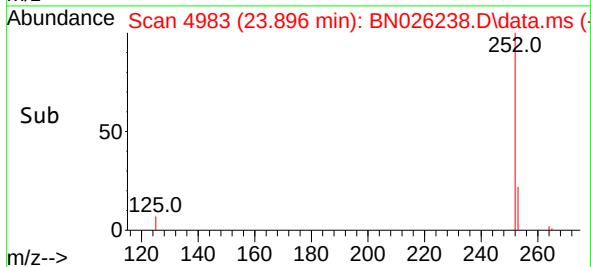
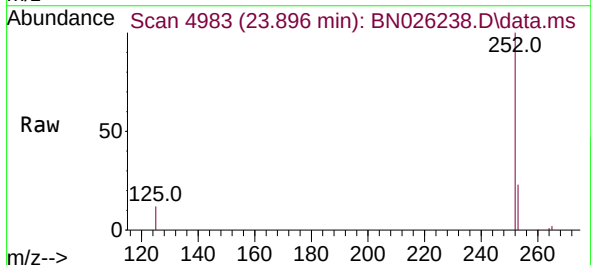
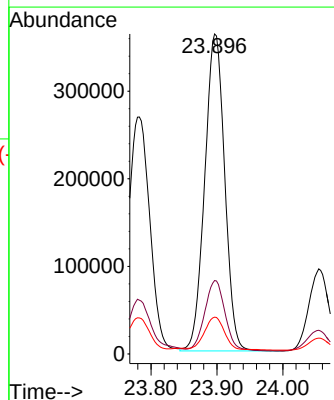


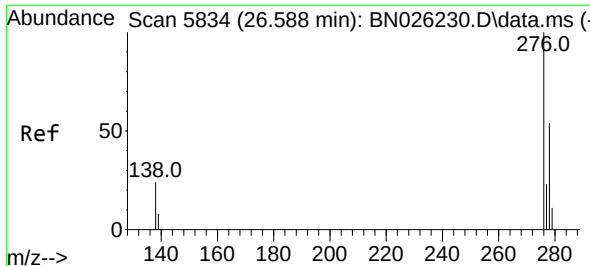
Tgt Ion:252 Resp: 1643271  
Ion Ratio Lower Upper  
252 100  
253 22.6 0.0 55.6  
125 10.7 0.0 35.8



#26  
Benzo(a)pyrene  
Concen: 10.497 ng/ul  
RT: 23.896 min Scan# 4983  
Delta R.T. 0.003 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

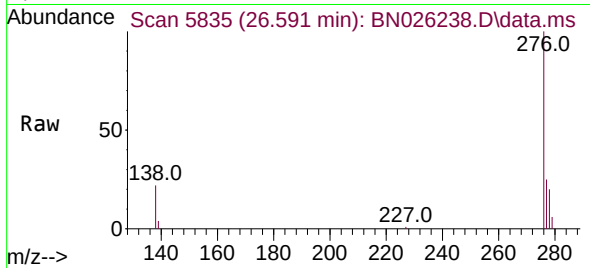
Tgt Ion:252 Resp: 761915  
Ion Ratio Lower Upper  
252 100  
253 23.0 26.0 39.0#  
125 11.5 17.3 25.9#



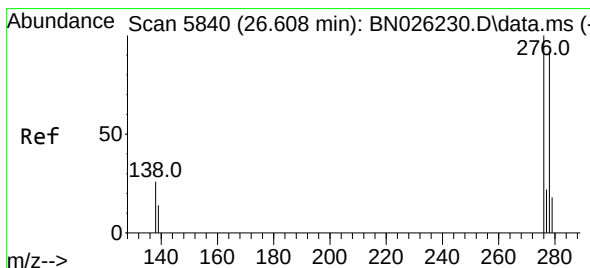
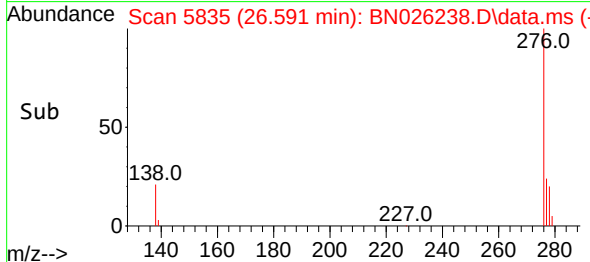
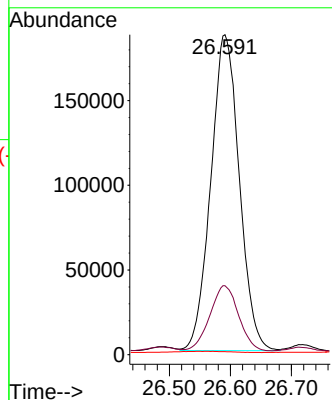


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 7.646 ng/ul  
RT: 26.591 min Scan# 5835  
Delta R.T. 0.003 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

Instrument :  
BNA\_N  
ClientSampleId :

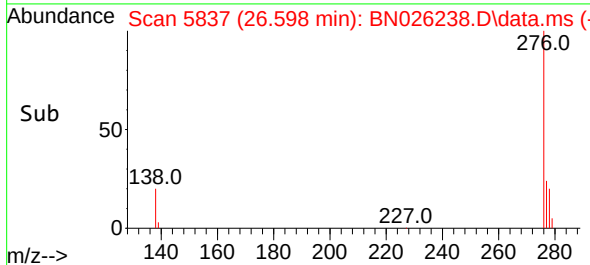
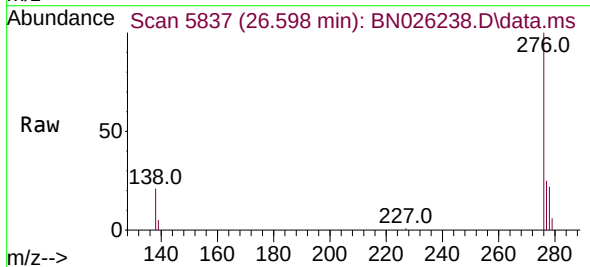
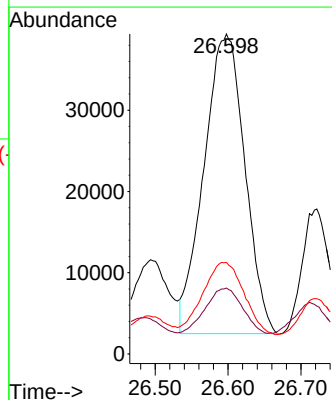


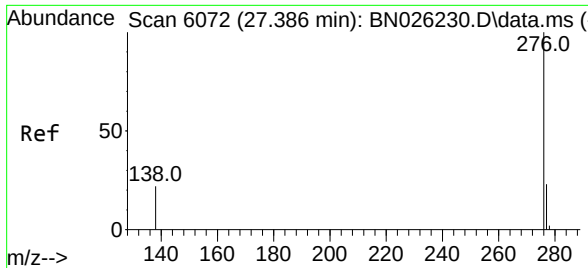
Tgt Ion:276 Resp: 606154  
Ion Ratio Lower Upper  
276 100  
138 20.7 24.5 36.7#  
227 0.0 0.0 0.0



#28  
Dibenzo(a,h)anthracene  
Concen: 2.396 ng/ul  
RT: 26.598 min Scan# 5837  
Delta R.T. -0.010 min  
Lab File: BN026238.D  
Acq: 03 Jul 2023 23:05

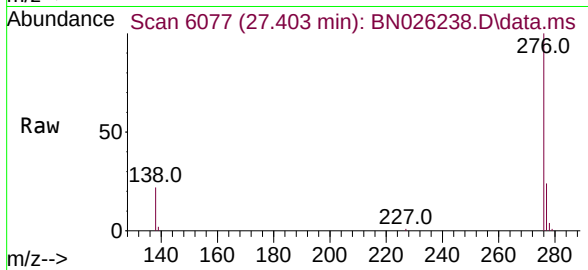
Tgt Ion:278 Resp: 143781  
Ion Ratio Lower Upper  
278 100  
139 20.6 19.0 28.4  
279 28.6 26.7 40.1





#29  
 Benzo(g,h,i)perylene  
 Concen: 7.570 ng/ul  
 RT: 27.403 min Scan# 6077  
 Delta R.T. 0.017 min  
 Lab File: BN026238.D  
 Acq: 03 Jul 2023 23:05

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:276 Resp: 533888  
 Ion Ratio Lower Upper  
 276 100  
 138 21.5 23.4 35.0#  
 277 24.1 20.0 30.0

