

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026240.D  
 Acq On : 04 Jul 2023 00:19  
 Operator : MA/JU  
 Sample : 03353-01  
 Misc :  
 ALS Vial : 97 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 04 01:05:15 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

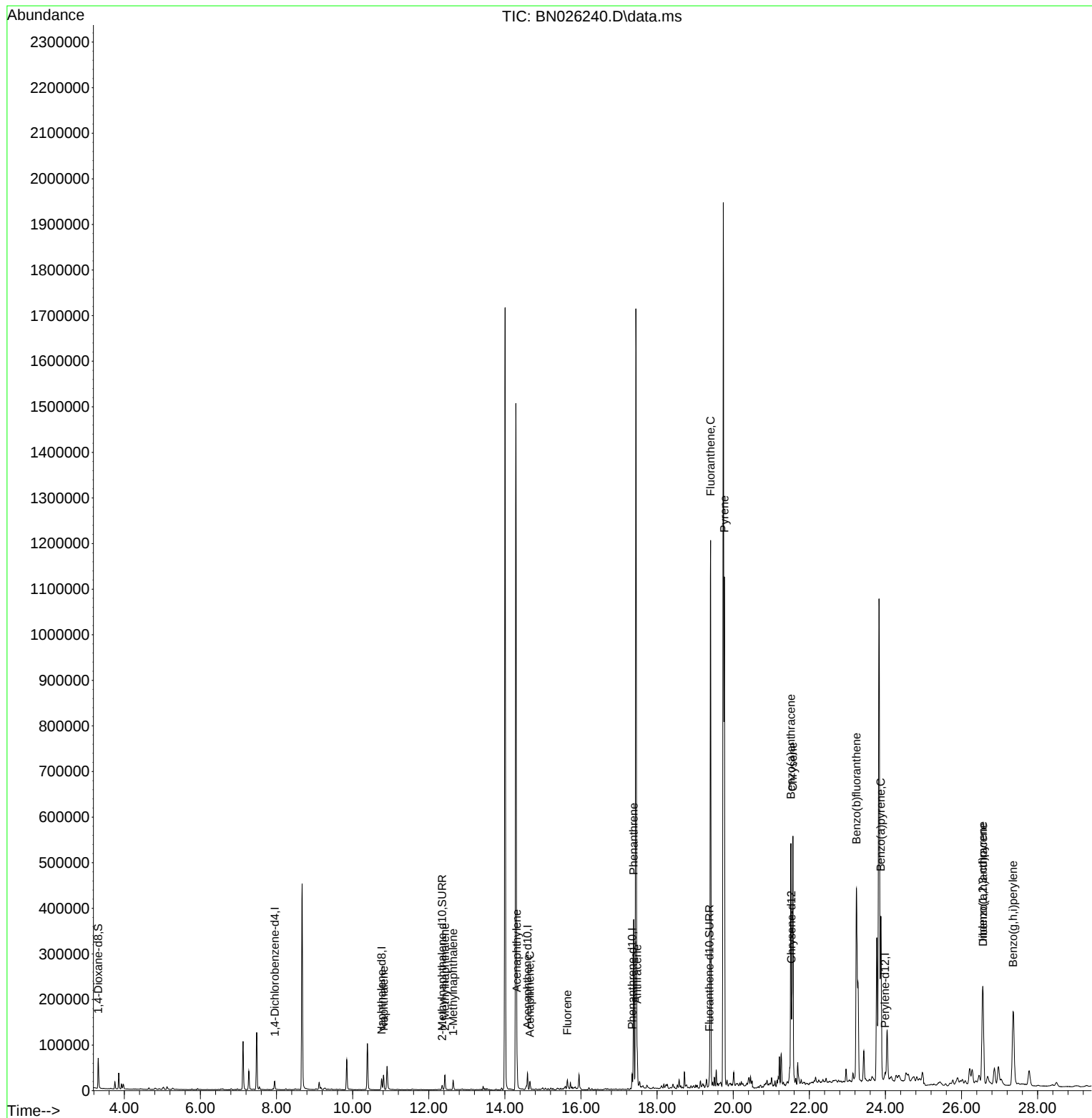
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.951  | 152  | 10451    | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.759 | 136  | 32877    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.593 | 164  | 20148    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.343 | 188  | 38330    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.532 | 240  | 21810    | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.993 | 264  | 23237    | 0.400  | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 43445    | 3.691  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.354 | 152  | 13619    | 0.269  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.373 | 212  | 24130    | 0.291  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.814 | 128  | 45897    | 0.487  | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.425 | 142  | 24335    | 0.406  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.640 | 142  | 14511    | 0.233  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.316 | 152  | 68108    | 0.722  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.658 | 153  | 11193    | 0.145  | ng/ul  | 98       |
| 12) Fluorene                | 15.643 | 166  | 13518    | 0.153  | ng/ul# | 98       |
| 15) Phenanthrene            | 17.385 | 178  | 390302   | 3.083  | ng/ul  | 99       |
| 16) Anthracene              | 17.478 | 178  | 72166    | 0.641  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.405 | 202  | 1042329  | 8.948  | ng/ul  | 96       |
| 20) Pyrene                  | 19.768 | 202  | 887404   | 7.324  | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 21.517 | 228  | 475887   | 5.289  | ng/ul  | 97       |
| 22) Chrysene                | 21.570 | 228  | 565996   | 6.046  | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.239 | 252  | 992507   | 10.007 | ng/ul  | 89       |
| 26) Benzo(a)pyrene          | 23.879 | 252  | 532242   | 6.179  | ng/ul# | 82       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.557 | 276  | 372779   | 3.962  | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.564 | 278  | 106026   | 1.489  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.356 | 276  | 385721   | 4.608  | ng/ul# | 94       |
| -----                       |        |      |          |        |        |          |

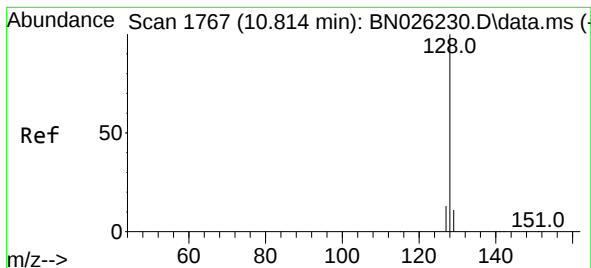
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026240.D  
Acq On : 04 Jul 2023 00:19  
Operator : MA/JU  
Sample : 03353-01  
Misc :  
ALS Vial : 97 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 04 01:05:15 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: 0.487 ng/ul

RT: 10.814 min Scan# 11

Delta R.T. -0.000 min

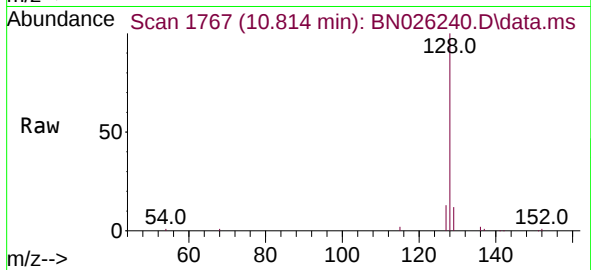
Lab File: BN026240.D

Acq: 04 Jul 2023 00:19

Instrument :

BNA\_N

ClientSampleId :



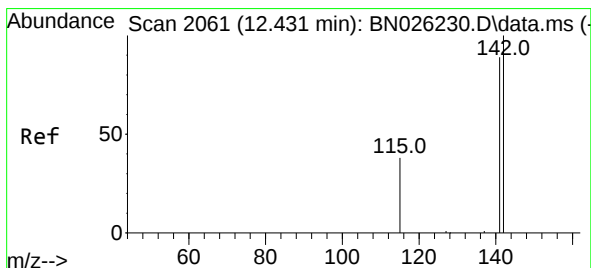
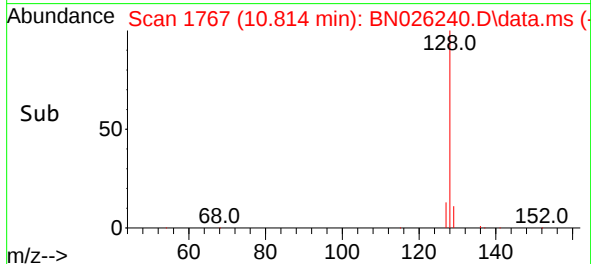
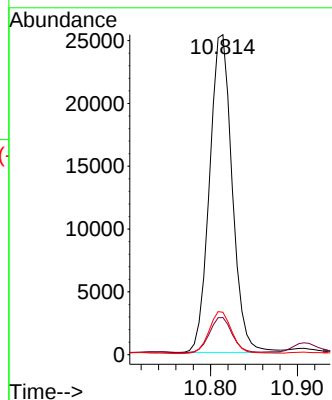
Tgt Ion:128 Resp: 45897

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

127 13.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.406 ng/ul

RT: 12.425 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BN026240.D

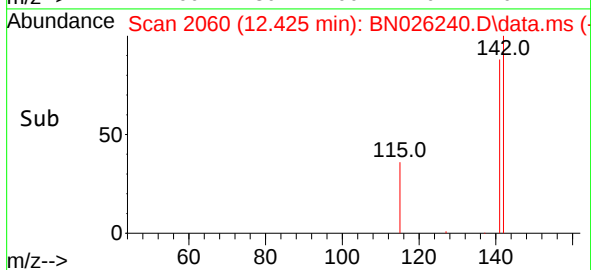
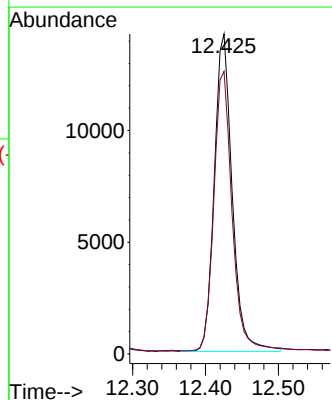
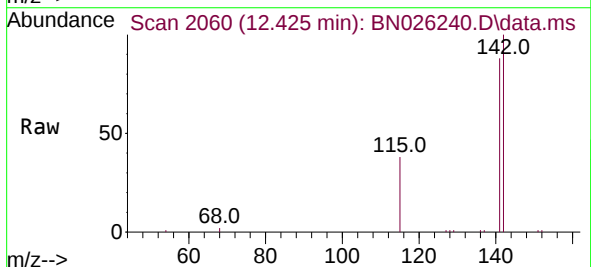
Acq: 04 Jul 2023 00:19

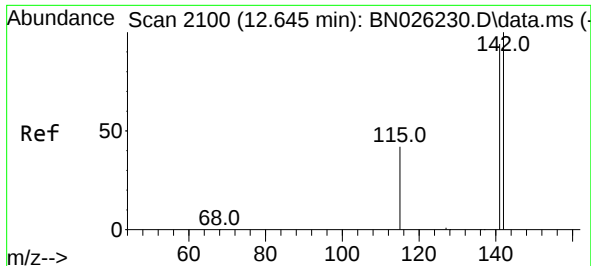
Tgt Ion:142 Resp: 24335

Ion Ratio Lower Upper

142 100

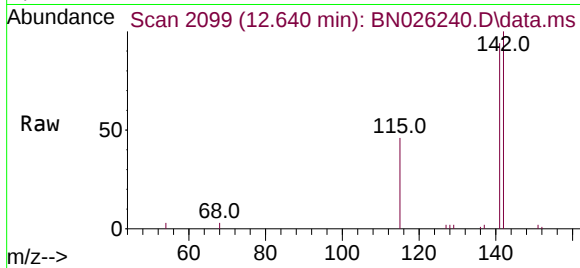
141 89.0 71.9 107.9



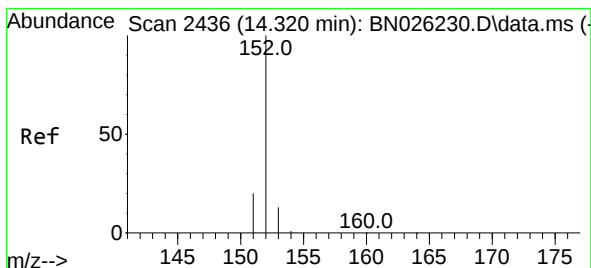
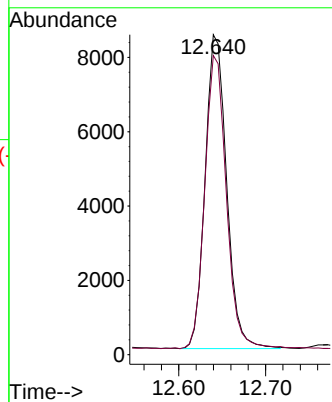
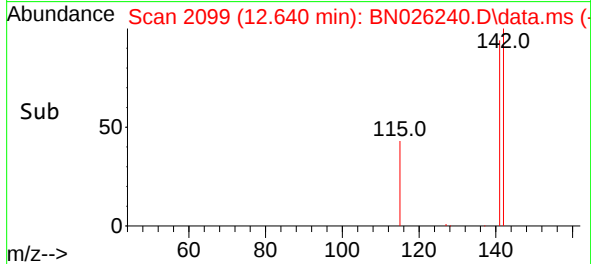


#8  
1-Methylnaphthalene  
Concen: 0.233 ng/ul  
RT: 12.640 min Scan# 2099  
Delta R.T. -0.006 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

Instrument :  
BNA\_N  
ClientSampleId :

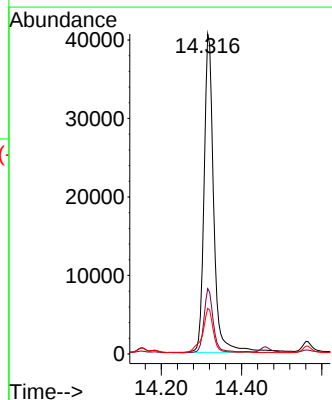
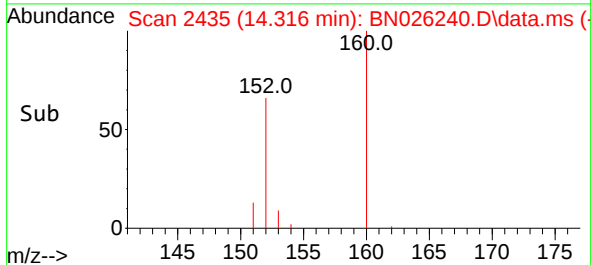
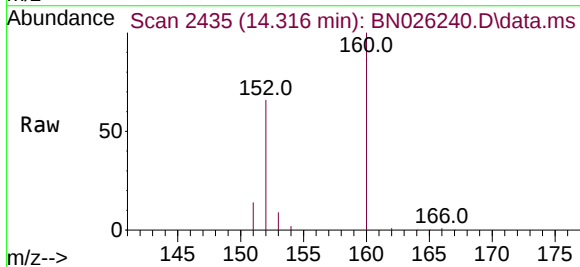


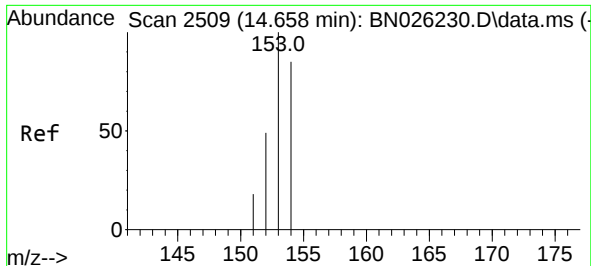
Tgt Ion:142 Resp: 14511  
Ion Ratio Lower Upper  
142 100  
141 93.6 74.2 111.4



#10  
Acenaphthylene  
Concen: 0.722 ng/ul  
RT: 14.316 min Scan# 2435  
Delta R.T. -0.005 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

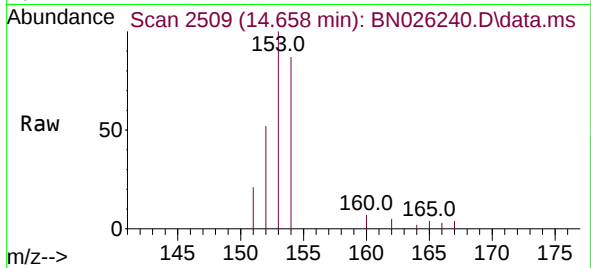
Tgt Ion:152 Resp: 68108  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.4  
153 14.2 10.9 16.3



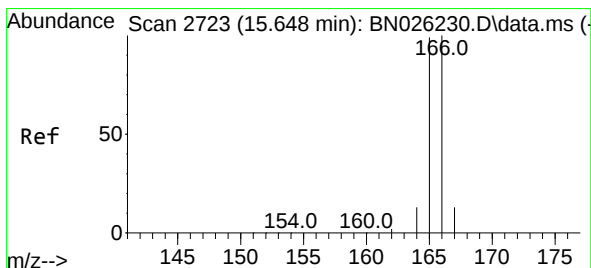
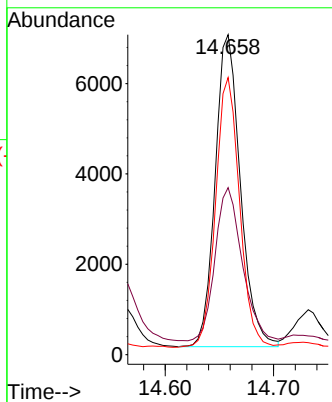
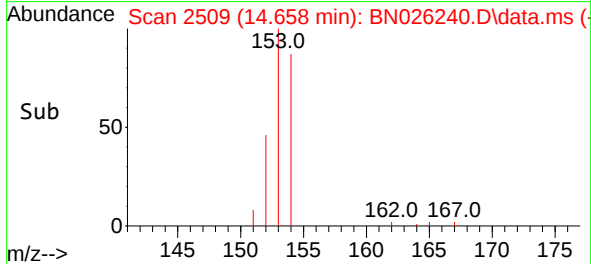


#11  
Acenaphthene  
Concen: 0.145 ng/ul  
RT: 14.658 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

Instrument :  
BNA\_N  
ClientSampleId :

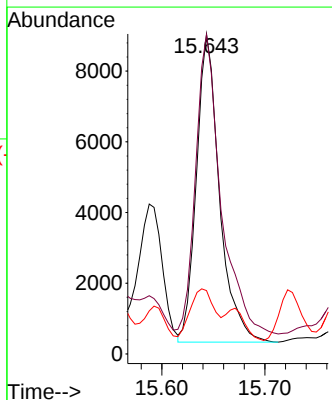
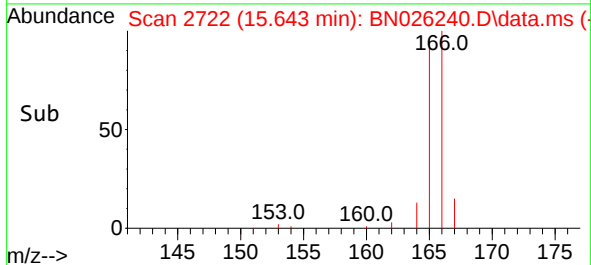
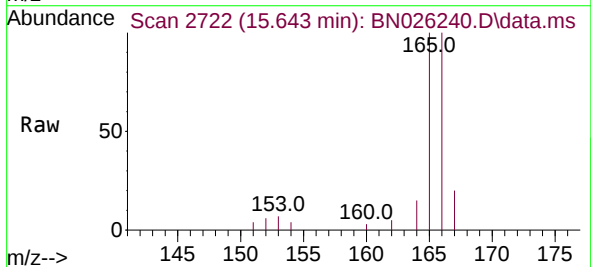


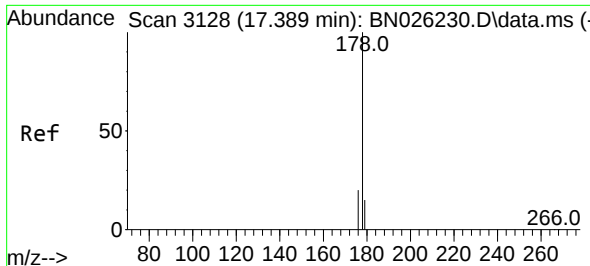
Tgt Ion:153 Resp: 11193  
Ion Ratio Lower Upper  
153 100  
152 52.2 39.4 59.0  
154 86.6 68.9 103.3



#12  
Fluorene  
Concen: 0.153 ng/ul  
RT: 15.643 min Scan# 2722  
Delta R.T. -0.005 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

Tgt Ion:166 Resp: 13518  
Ion Ratio Lower Upper  
166 100  
165 99.8 79.9 119.9  
167 19.8 10.8 16.2#

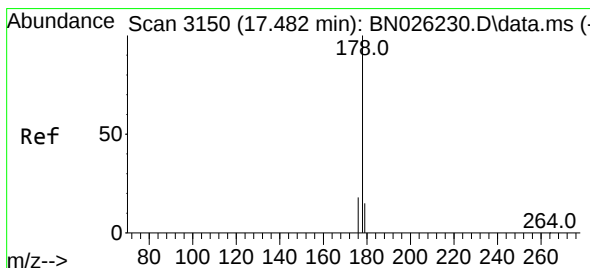
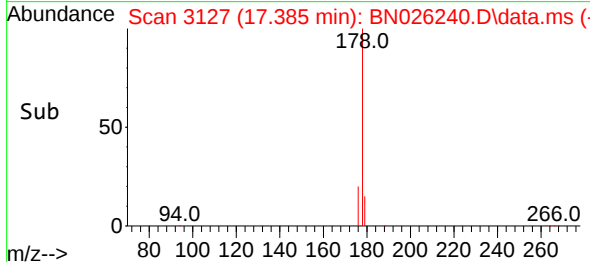
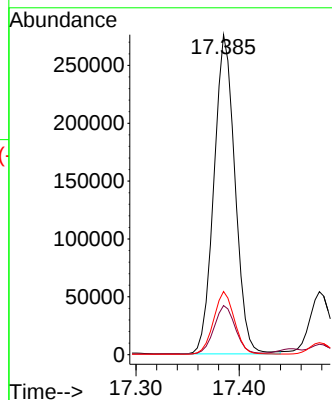
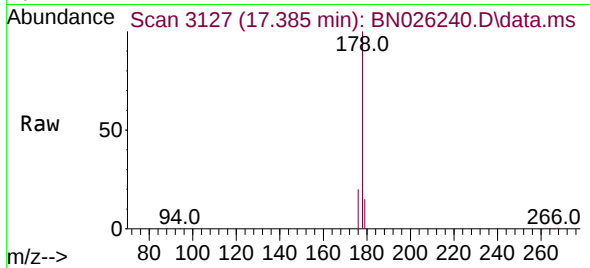




#15  
Phenanthrene  
Concen: 3.083 ng/u1  
RT: 17.385 min Scan# 3128  
Delta R.T. -0.004 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

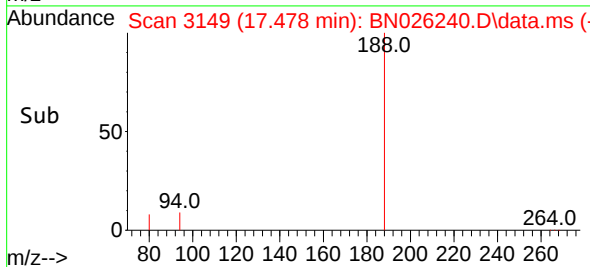
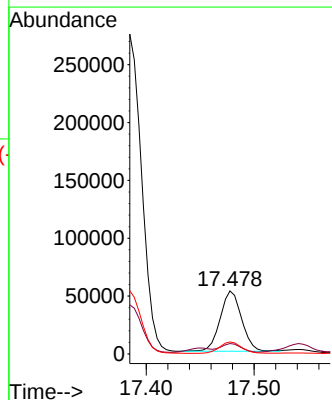
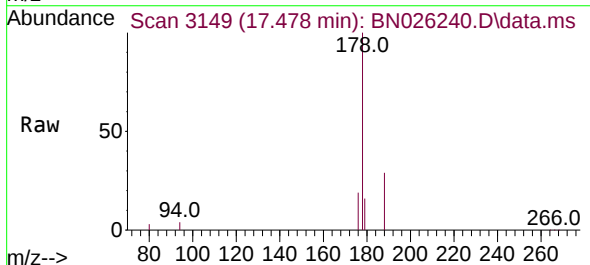
Instrument :  
BNA\_N  
ClientSampleId :

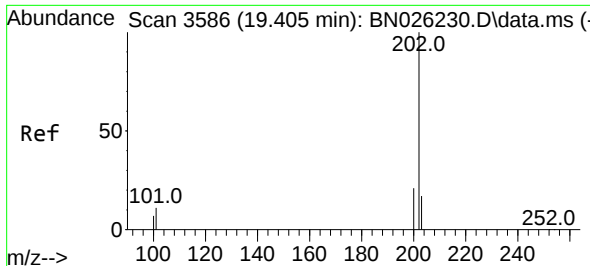
Tgt Ion:178 Resp: 390302  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 19.0  
176 19.8 15.8 23.6



#16  
Anthracene  
Concen: 0.641 ng/u1  
RT: 17.478 min Scan# 3149  
Delta R.T. -0.004 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

Tgt Ion:178 Resp: 72166  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.6 18.8  
176 19.2 15.1 22.7

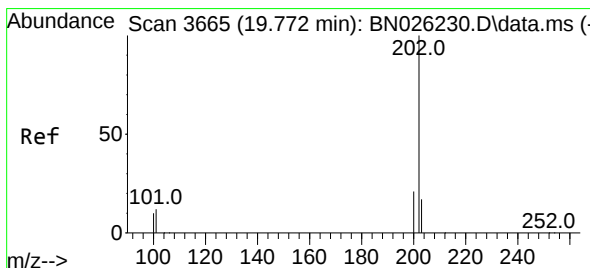
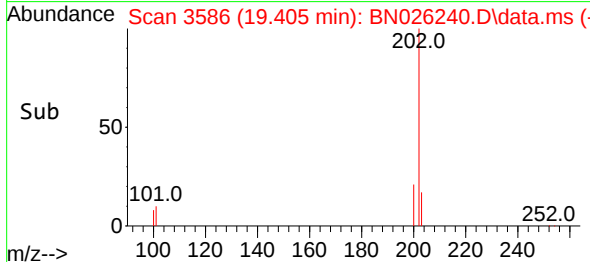
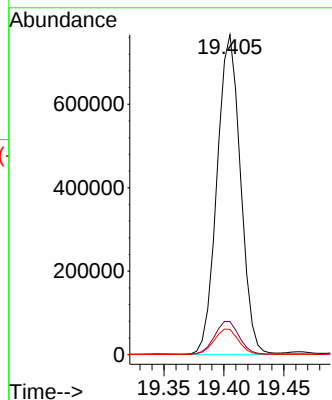
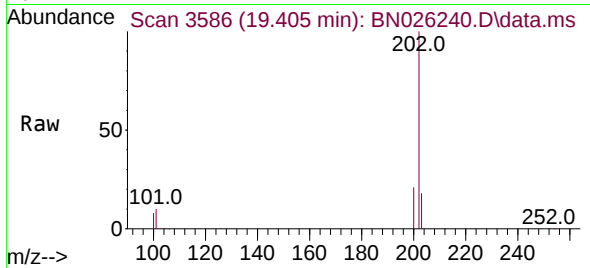




#19  
Fluoranthene  
Concen: 8.948 ng/ul  
RT: 19.405 min Scan# 3586  
Delta R.T. -0.000 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

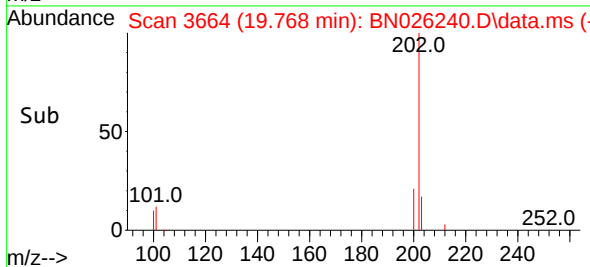
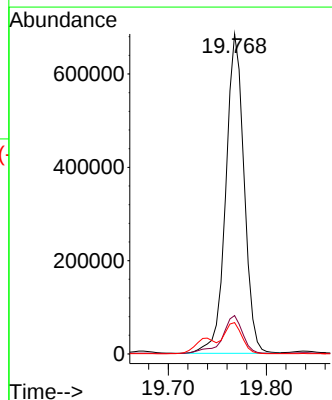
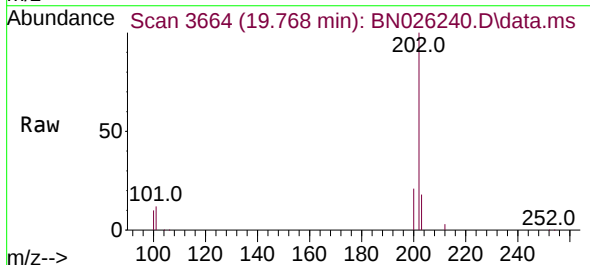
Instrument :  
BNA\_N  
ClientSampleId :

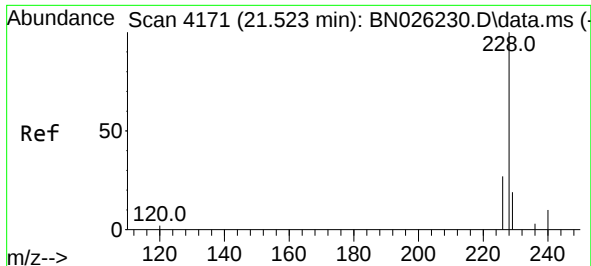
Tgt Ion:202 Resp: 1042329  
Ion Ratio Lower Upper  
202 100  
101 10.4 9.5 14.3  
100 7.9 7.3 10.9



#20  
Pyrene  
Concen: 7.324 ng/ul  
RT: 19.768 min Scan# 3664  
Delta R.T. -0.005 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

Tgt Ion:202 Resp: 887404  
Ion Ratio Lower Upper  
202 100  
101 12.0 11.4 17.0  
100 9.8 9.1 13.7

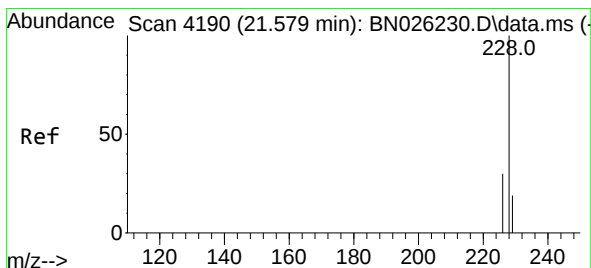
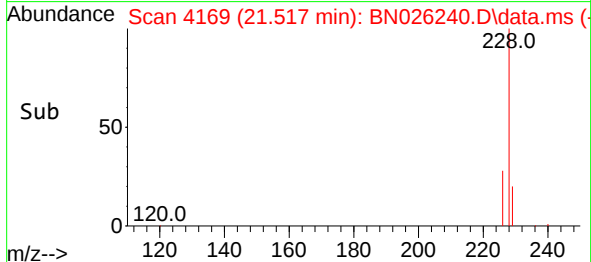
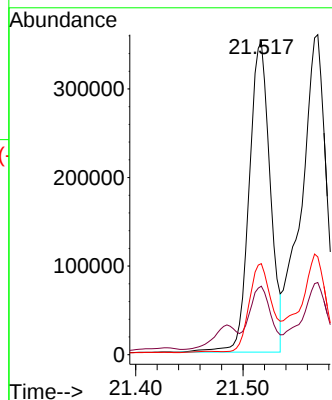
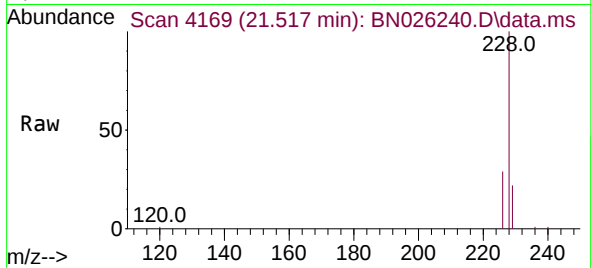




#21  
Benzo(a)anthracene  
Concen: 5.289 ng/ul  
RT: 21.517 min Scan# 4171  
Delta R.T. -0.006 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

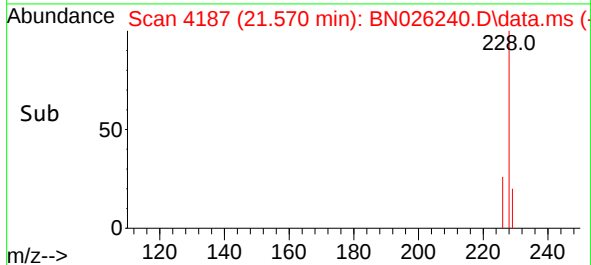
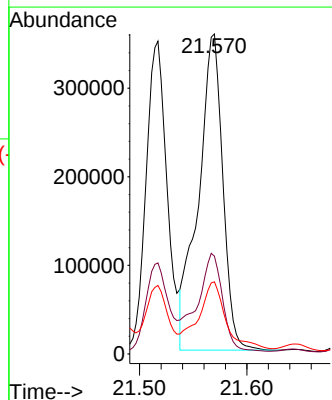
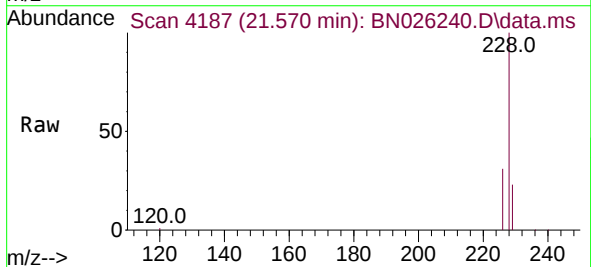
Instrument :  
BNA\_N  
ClientSampleId :

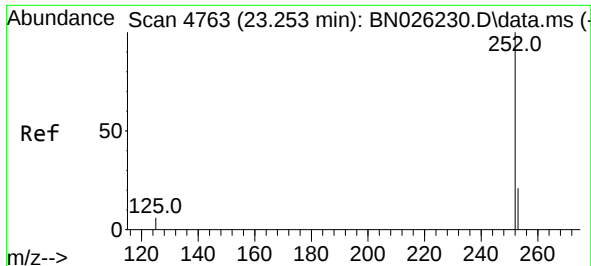
Tgt Ion:228 Resp: 475887  
Ion Ratio Lower Upper  
228 100  
229 21.9 15.8 23.6  
226 29.1 22.5 33.7



#22  
Chrysene  
Concen: 6.046 ng/ul  
RT: 21.570 min Scan# 4187  
Delta R.T. -0.009 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

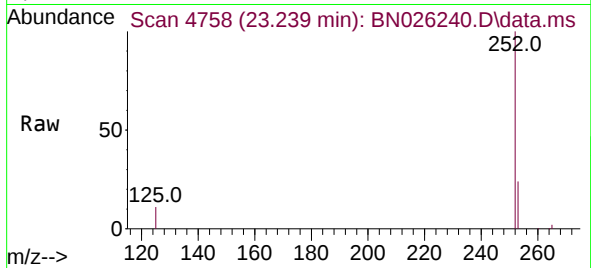
Tgt Ion:228 Resp: 565996  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.8 37.2  
229 22.6 15.7 23.5



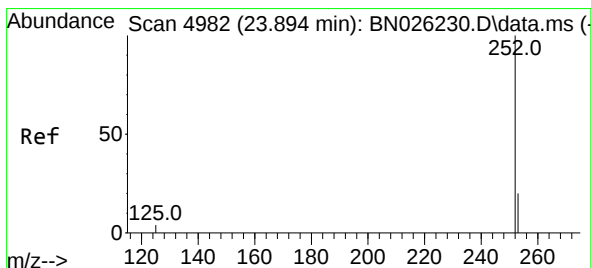
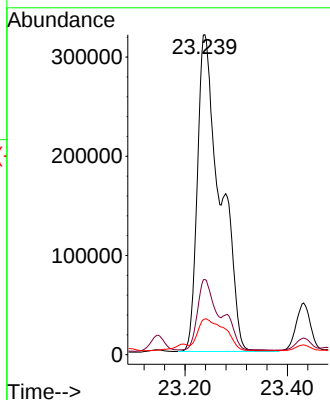
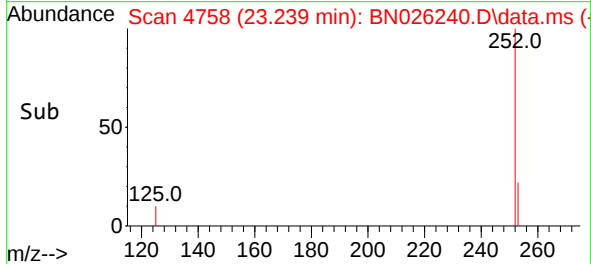


#24  
Benzo(b)fluoranthene  
Concen: 10.007 ng/ul  
RT: 23.239 min Scan# 41  
Delta R.T. -0.015 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

Instrument :  
BNA\_N  
ClientSampleId :

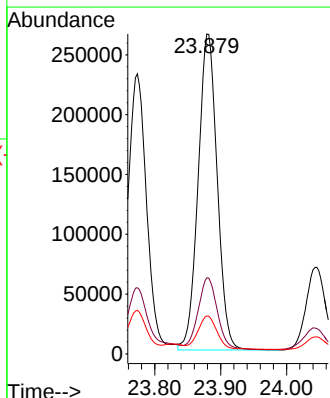
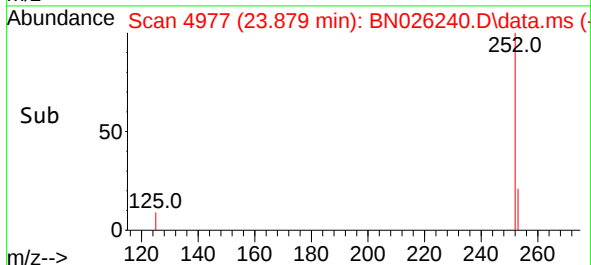
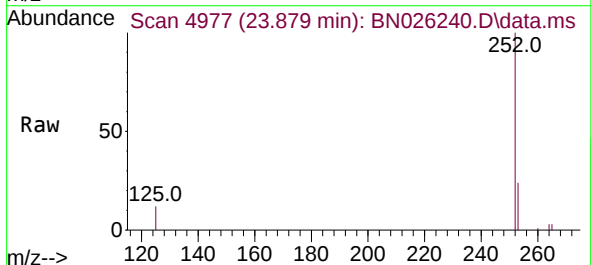


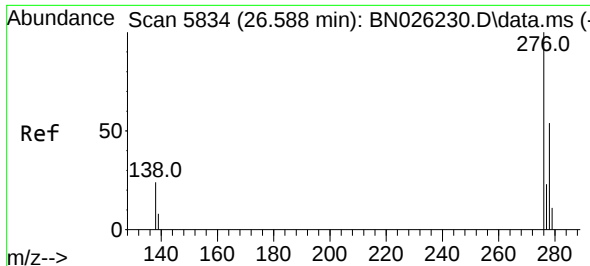
Tgt Ion:252 Resp: 992507  
Ion Ratio Lower Upper  
252 100  
253 23.5 0.0 55.6  
125 11.2 0.0 35.8



#26  
Benzo(a)pyrene  
Concen: 6.179 ng/ul  
RT: 23.879 min Scan# 4977  
Delta R.T. -0.015 min  
Lab File: BN026240.D  
Acq: 04 Jul 2023 00:19

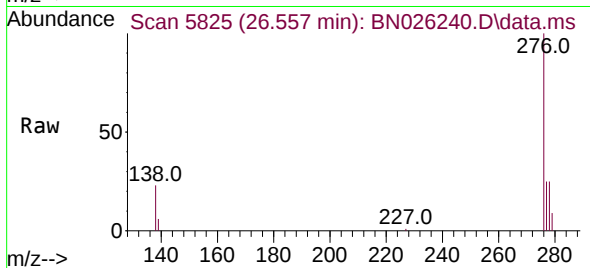
Tgt Ion:252 Resp: 532242  
Ion Ratio Lower Upper  
252 100  
253 23.8 26.0 39.0#  
125 11.8 17.3 25.9#



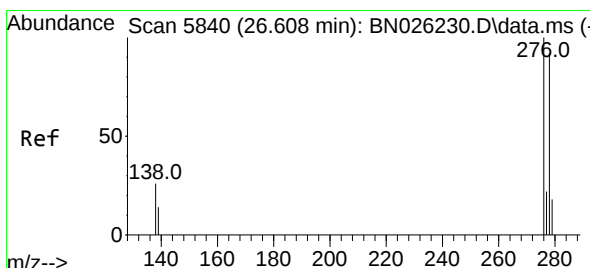
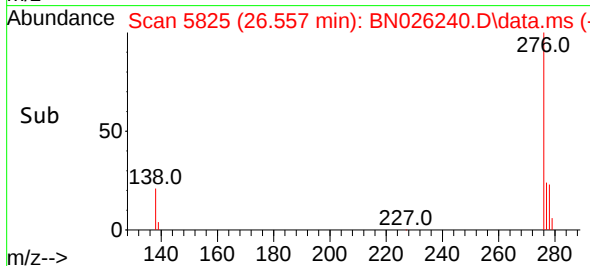
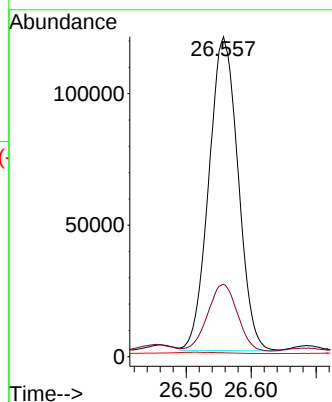


#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.962 ng/ul  
 RT: 26.557 min Scan# 5825  
 Delta R.T. -0.030 min  
 Lab File: BN026240.D  
 Acq: 04 Jul 2023 00:19

Instrument :  
 BNA\_N  
 ClientSampleId :

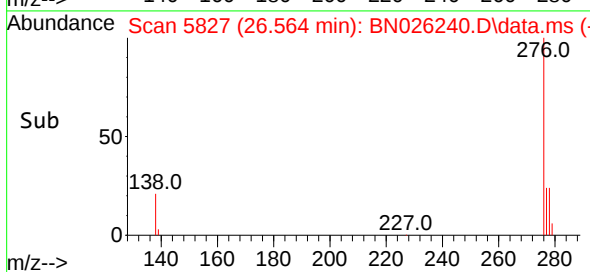
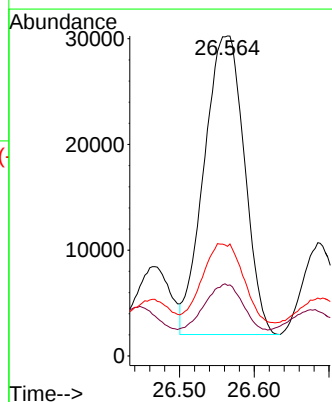
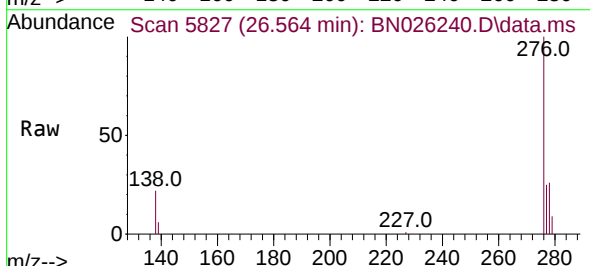


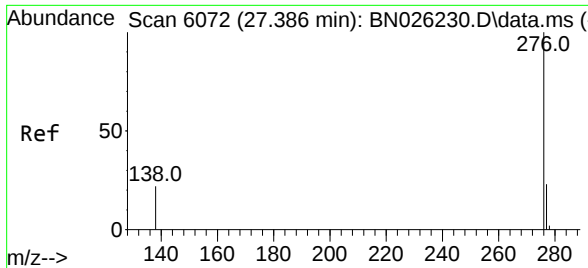
Tgt Ion:276 Resp: 372779  
 Ion Ratio Lower Upper  
 276 100  
 138 21.6 24.5 36.7#  
 227 0.0 0.0 0.0



#28  
 Dibenzo(a,h)anthracene  
 Concen: 1.489 ng/ul  
 RT: 26.564 min Scan# 5827  
 Delta R.T. -0.044 min  
 Lab File: BN026240.D  
 Acq: 04 Jul 2023 00:19

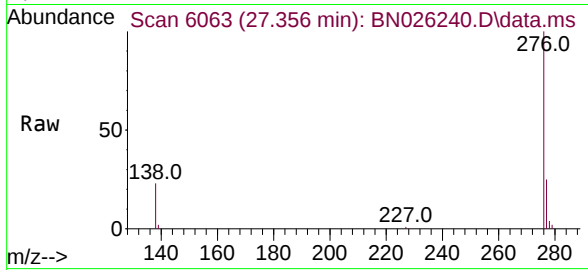
Tgt Ion:278 Resp: 106026  
 Ion Ratio Lower Upper  
 278 100  
 139 22.1 19.0 28.4  
 279 34.3 26.7 40.1





#29  
 Benzo(g,h,i)perylene  
 Concen: 4.608 ng/ul  
 RT: 27.356 min Scan# 6072  
 Delta R.T. -0.030 min  
 Lab File: BN026240.D  
 Acq: 04 Jul 2023 00:19

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:276 Resp: 385721  
 Ion Ratio Lower Upper  
 276 100  
 138 22.8 23.4 35.0#  
 277 24.9 20.0 30.0

