

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
 Data File : BN030211.D  
 Acq On : 03 Mar 2024 10:22  
 Operator : MA/JU  
 Sample : P1512-10  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0SC3

Quant Time: Mar 03 22:51:52 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN030224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 02 16:09:30 2024  
 Response via : Initial Calibration

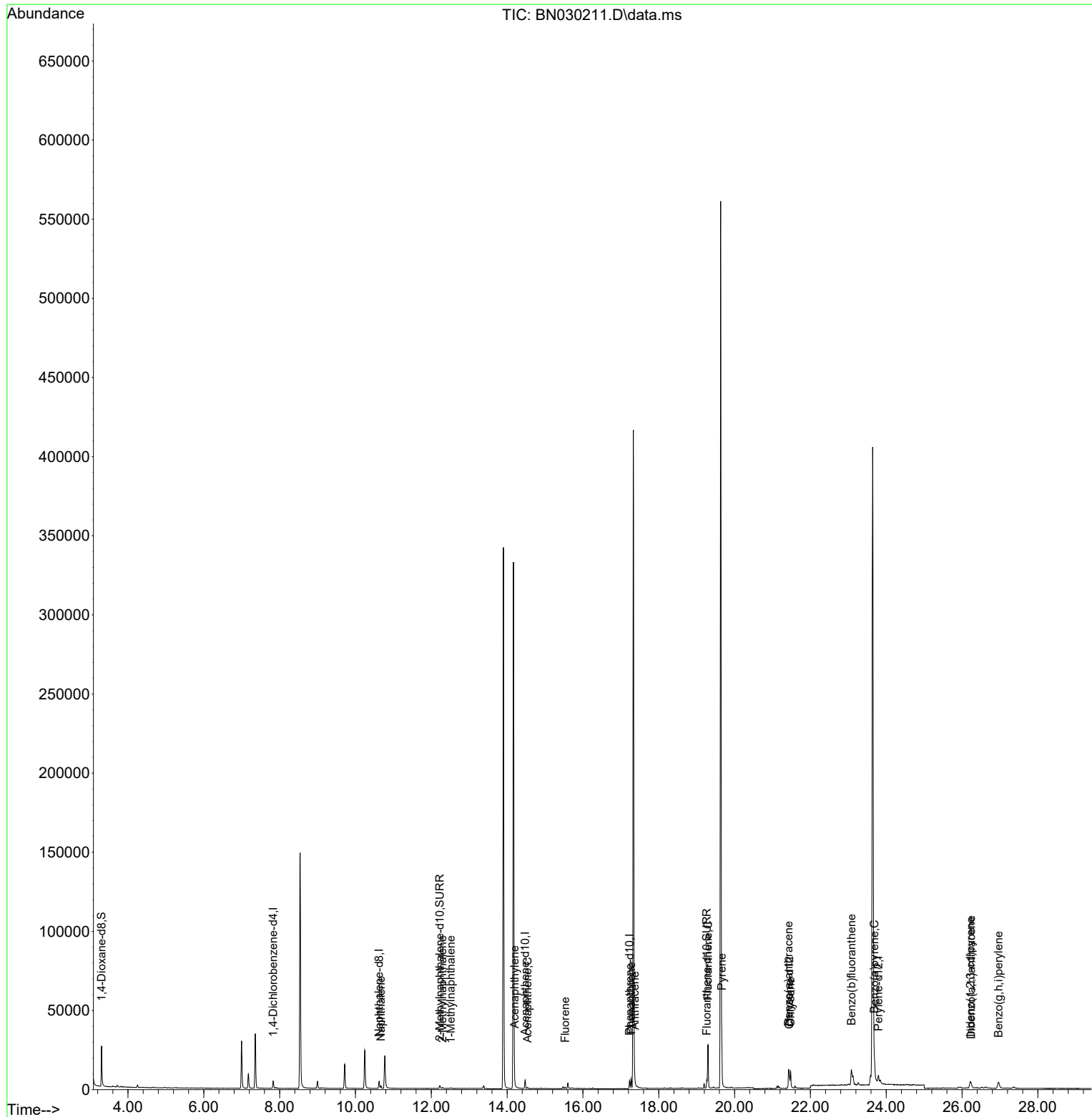
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.829  | 152  | 2323     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.623 | 136  | 6189     | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.474 | 164  | 3069     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.230 | 188  | 6286     | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.441 | 240  | 5739     | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.794 | 264  | 7717     | 0.400 | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.302  | 96   | 16417    | 5.105 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.223 | 152  | 2936     | 0.367 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.267 | 212  | 5971     | 0.319 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.672 | 128  | 2322     | 0.127 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.294 | 142  | 516      | 0.052 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.514 | 142  | 337      | 0.032 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.196 | 152  | 1211     | 0.071 | ng/ul# | 86       |
| 11) Acenaphthene            | 14.539 | 153  | 445      | 0.035 | ng/ul  | 86       |
| 12) Fluorene                | 15.529 | 166  | 593      | 0.046 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.272 | 178  | 6546     | 0.311 | ng/ul  | 100      |
| 16) Anthracene              | 17.365 | 178  | 2159     | 0.116 | ng/ul# | 96       |
| 19) Fluoranthene            | 19.300 | 202  | 25573    | 1.003 | ng/ul  | 97       |
| 20) Pyrene                  | 19.662 | 202  | 24041    | 0.867 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.423 | 228  | 10166    | 0.501 | ng/ul  | 95       |
| 22) Chrysene                | 21.476 | 228  | 12012    | 0.493 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.081 | 252  | 24193    | 0.813 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.689 | 252  | 11318    | 0.374 | ng/ul  | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.222 | 276  | 8829     | 0.228 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.242 | 278  | 1949     | 0.065 | ng/ul# | 73       |
| 29) Benzo(g,h,i)perylene    | 26.963 | 276  | 9416     | 0.262 | ng/ul  | 98       |

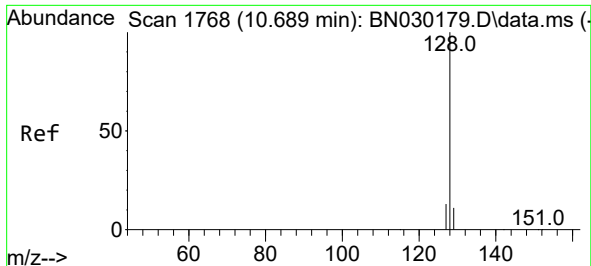
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030224\  
Data File : BN030211.D  
Acq On : 03 Mar 2024 10:22  
Operator : MA/JU  
Sample : P1512-10  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
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E0SC3

Quant Time: Mar 03 22:51:52 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN030224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 02 16:09:30 2024  
Response via : Initial Calibration

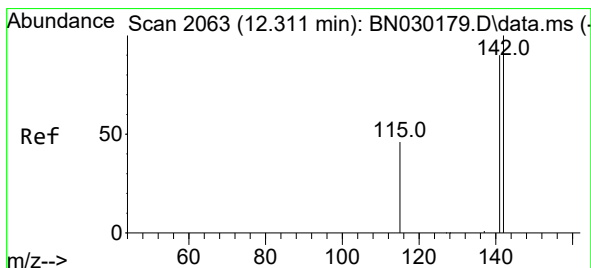
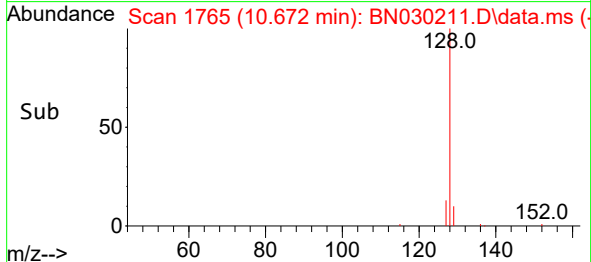
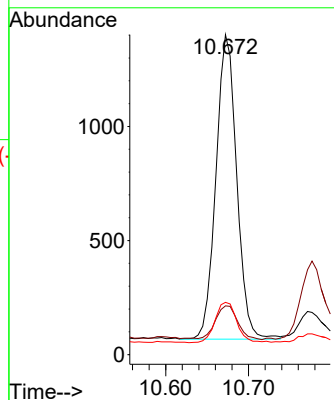
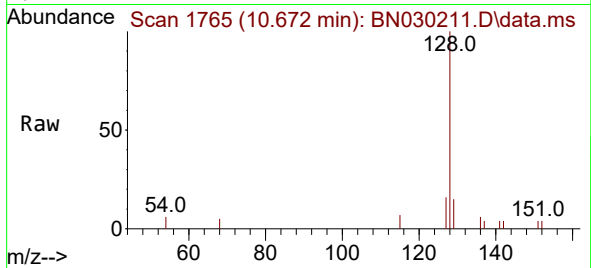




#5  
Naphthalene  
Concen: 0.127 ng/ul  
RT: 10.672 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

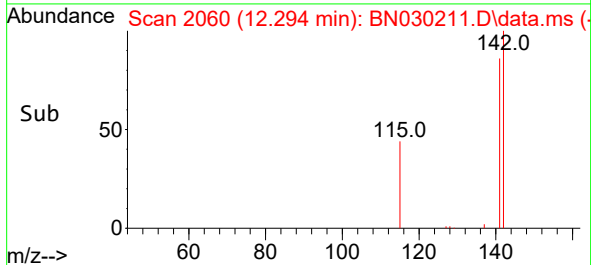
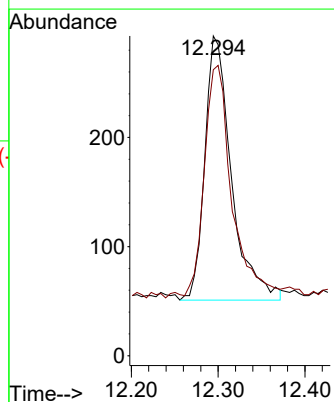
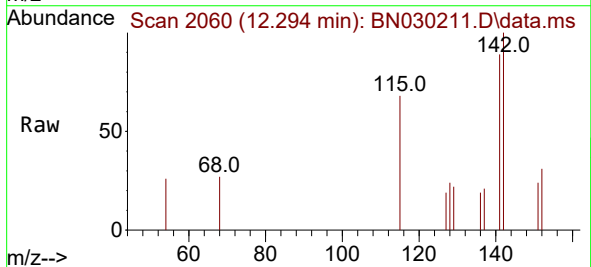
Instrument :  
BNA\_N  
ClientSampleId :  
E0SC3

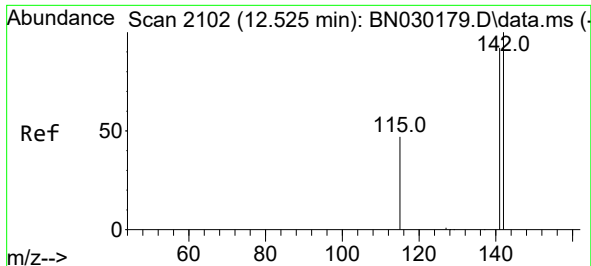
Tgt Ion:128 Resp: 2322  
Ion Ratio Lower Upper  
128 100  
129 15.3 11.0 16.4  
127 16.3 12.3 18.5



#7  
2-Methylnaphthalene  
Concen: 0.052 ng/ul  
RT: 12.294 min Scan# 2060  
Delta R.T. -0.017 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

Tgt Ion:142 Resp: 516  
Ion Ratio Lower Upper  
142 100  
141 88.4 72.8 109.2

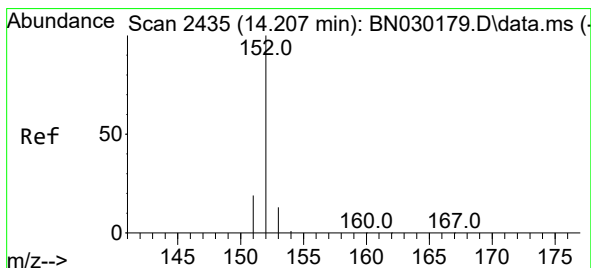
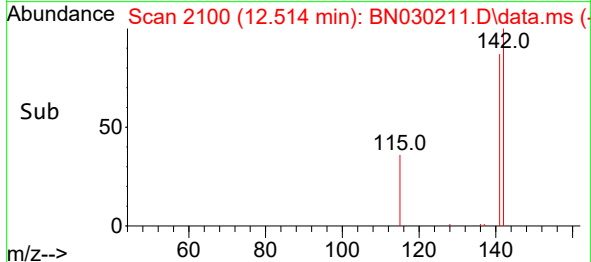
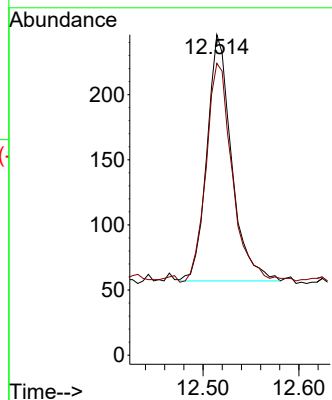
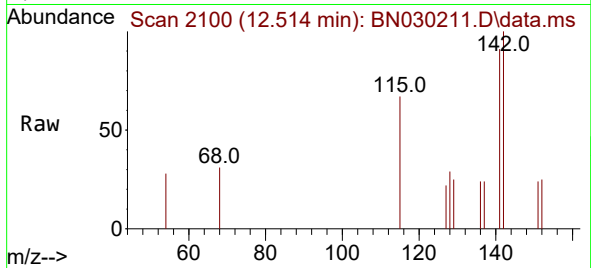




#8  
1-Methylnaphthalene  
Concen: 0.032 ng/ul  
RT: 12.514 min Scan# 2100  
Delta R.T. -0.011 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

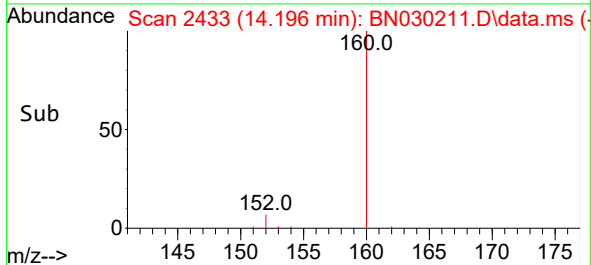
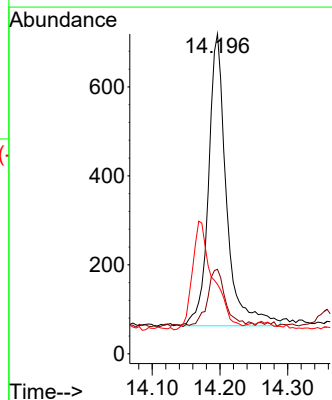
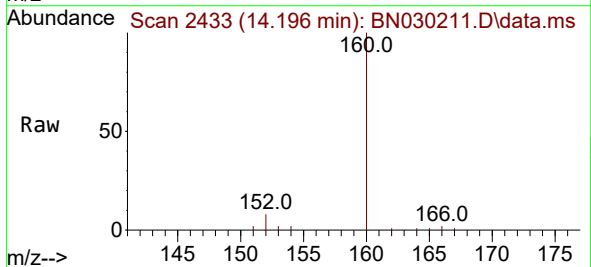
Instrument :  
BNA\_N  
ClientSampleId :  
E0SC3

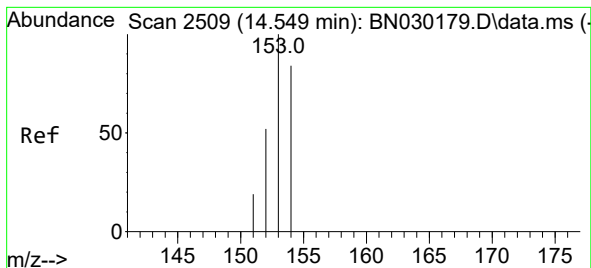
Tgt Ion:142 Resp: 337  
Ion Ratio Lower Upper  
142 100  
141 95.0 74.2 111.2



#10  
Acenaphthylene  
Concen: 0.071 ng/ul  
RT: 14.196 min Scan# 2433  
Delta R.T. -0.010 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

Tgt Ion:152 Resp: 1211  
Ion Ratio Lower Upper  
152 100  
151 26.4 16.9 25.3#  
153 21.7 11.8 17.6#





#11

Acenaphthene

Concen: 0.035 ng/ul

RT: 14.539 min Scan# 2507

Delta R.T. -0.010 min

Lab File: BN030211.D

Acq: 03 Mar 2024 10:22

Instrument :

BNA\_N

ClientSampleId :

E0SC3

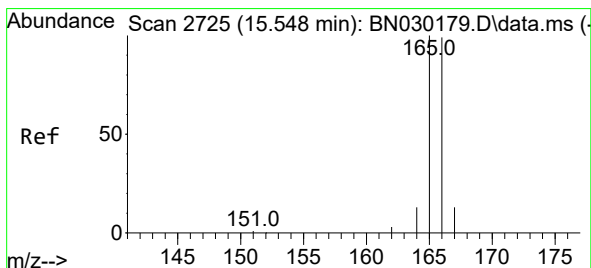
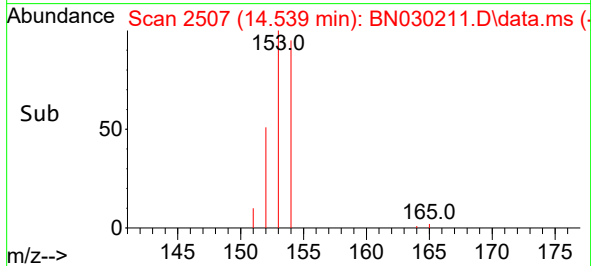
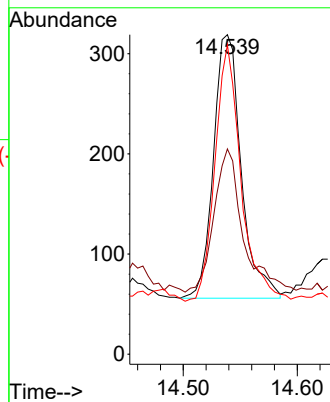
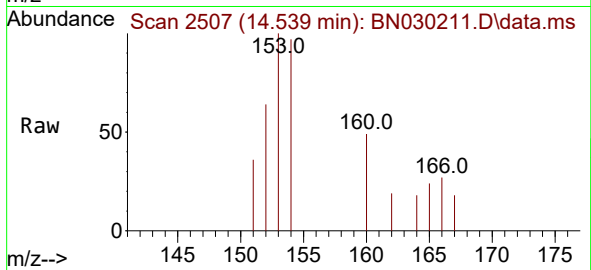
Tgt Ion:153 Resp: 445

Ion Ratio Lower Upper

153 100

152 64.3 43.2 64.8

154 96.9 67.5 101.3



#12

Fluorene

Concen: 0.046 ng/ul

RT: 15.529 min Scan# 2721

Delta R.T. -0.019 min

Lab File: BN030211.D

Acq: 03 Mar 2024 10:22

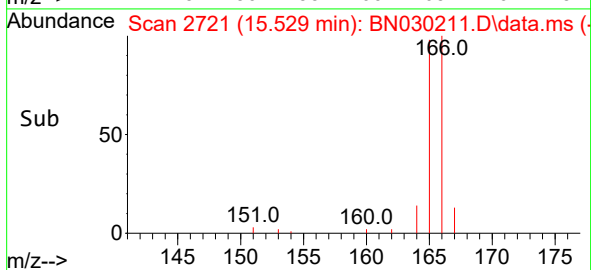
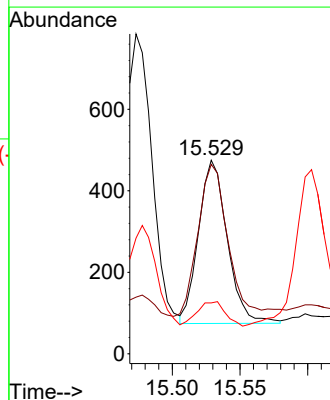
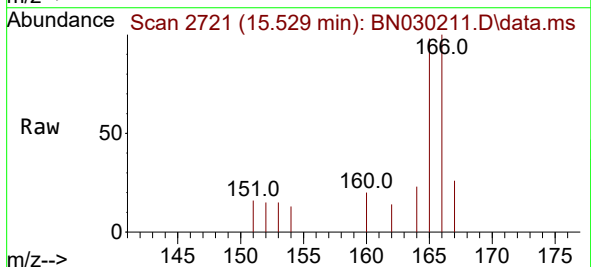
Tgt Ion:166 Resp: 593

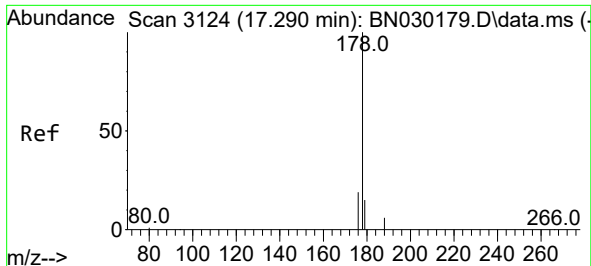
Ion Ratio Lower Upper

166 100

165 97.9 81.8 122.6

167 26.3 13.0 19.4#

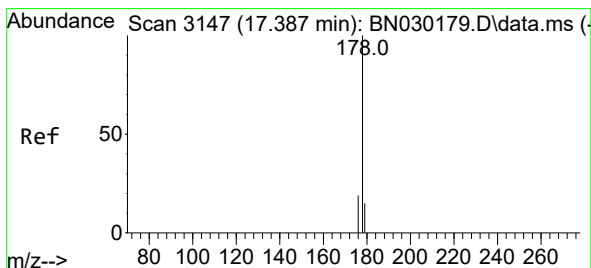
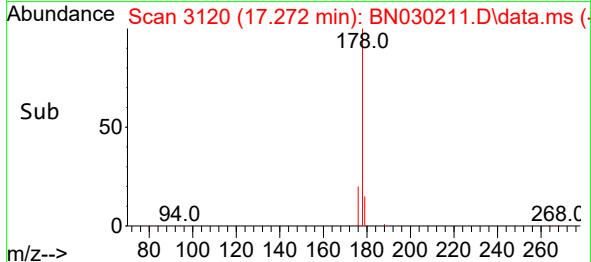
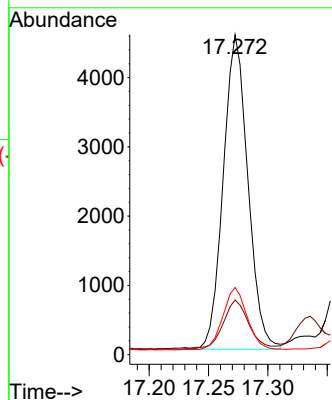
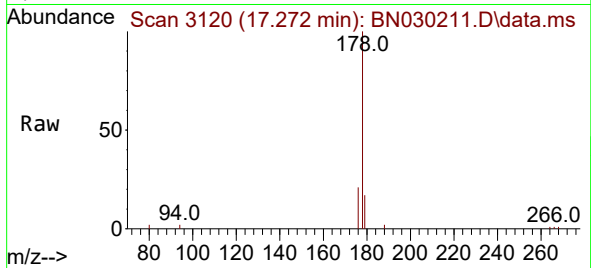




#15  
Phenanthrene  
Concen: 0.311 ng/ul  
RT: 17.272 min Scan# 3120  
Delta R.T. -0.018 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

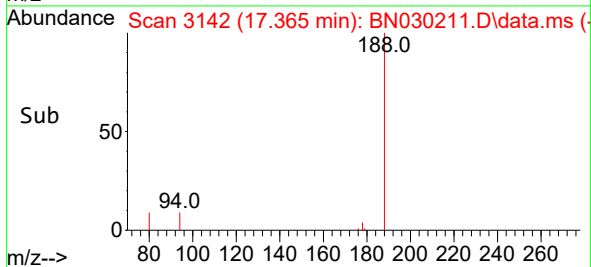
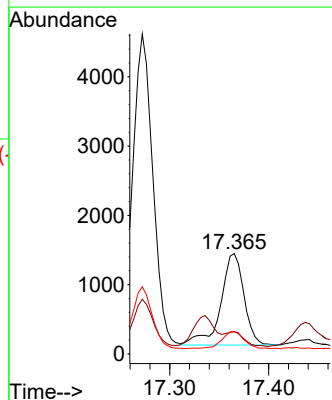
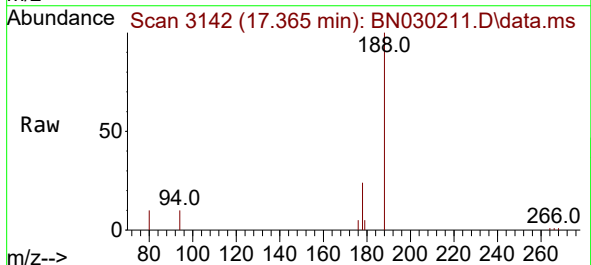
Instrument :  
BNA\_N  
ClientSampleId :  
E0SC3

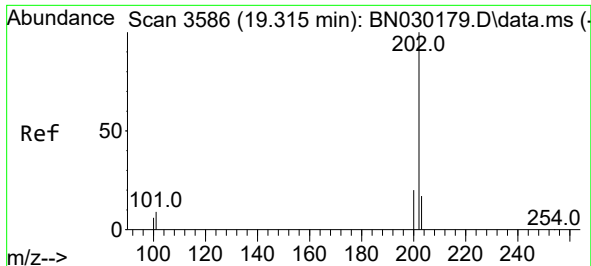
Tgt Ion:178 Resp: 6546  
Ion Ratio Lower Upper  
178 100  
179 17.1 13.8 20.8  
176 21.0 16.6 25.0



#16  
Anthracene  
Concen: 0.116 ng/ul  
RT: 17.365 min Scan# 3142  
Delta R.T. -0.022 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

Tgt Ion:178 Resp: 2159  
Ion Ratio Lower Upper  
178 100  
179 22.3 14.8 22.2#  
176 22.1 17.8 26.6

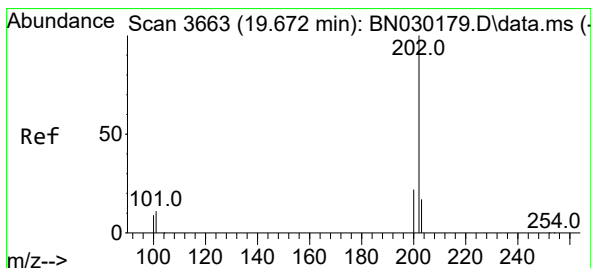
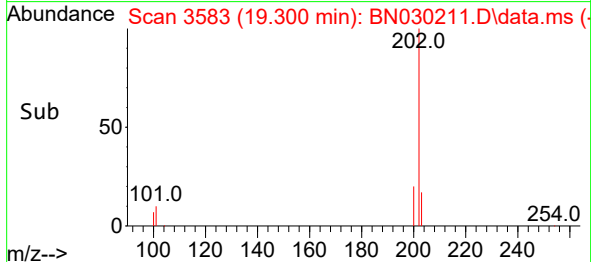
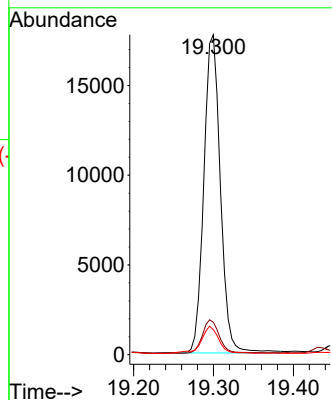
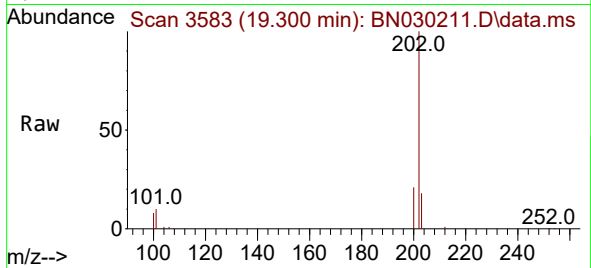




#19  
Fluoranthene  
Concen: 1.003 ng/ul  
RT: 19.300 min Scan# 3586  
Delta R.T. -0.015 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

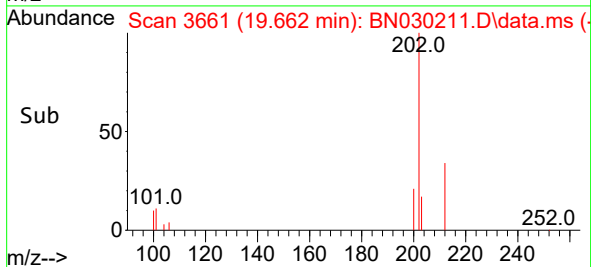
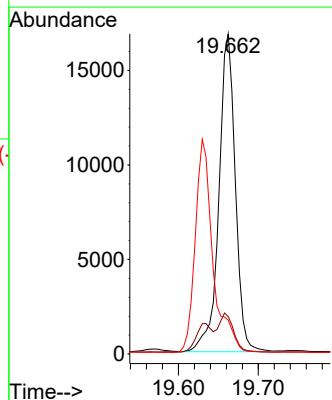
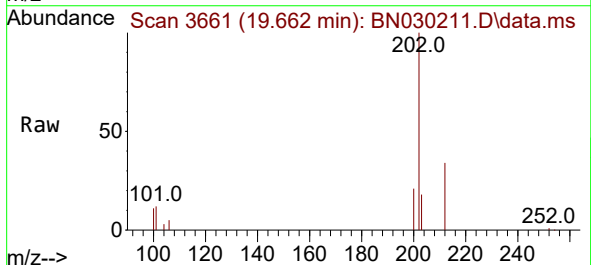
Instrument :  
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ClientSampleId :  
E0SC3

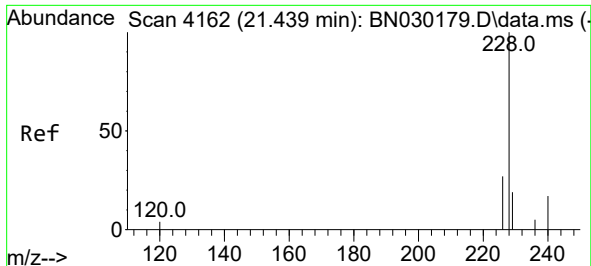
Tgt Ion:202 Resp: 25573  
Ion Ratio Lower Upper  
202 100  
101 10.2 8.8 13.2  
100 7.8 7.4 11.2



#20  
Pyrene  
Concen: 0.867 ng/ul  
RT: 19.662 min Scan# 3661  
Delta R.T. -0.010 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

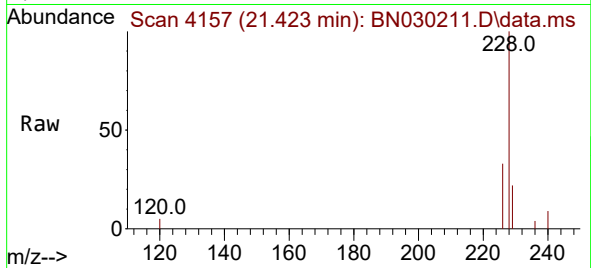
Tgt Ion:202 Resp: 24041  
Ion Ratio Lower Upper  
202 100  
101 11.7 10.6 15.8  
100 10.6 8.8 13.2



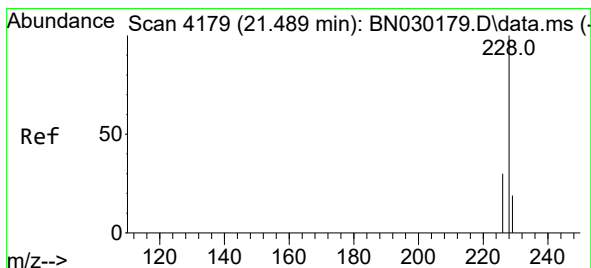
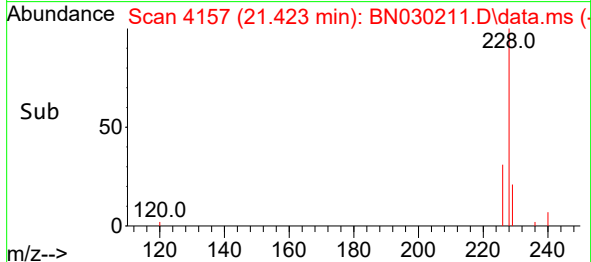
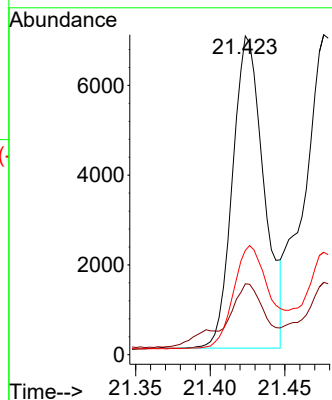


#21  
Benzo(a)anthracene  
Concen: 0.501 ng/ul  
RT: 21.423 min Scan# 4162  
Delta R.T. -0.015 min  
Lab File: BN030211.D  
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ClientSampleId :  
E0SC3

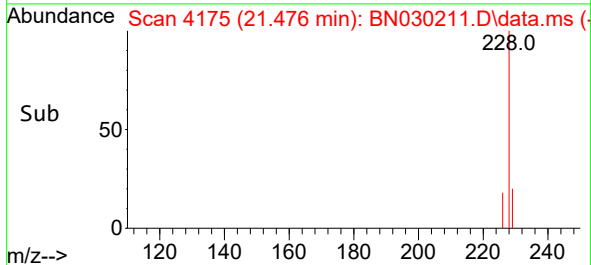
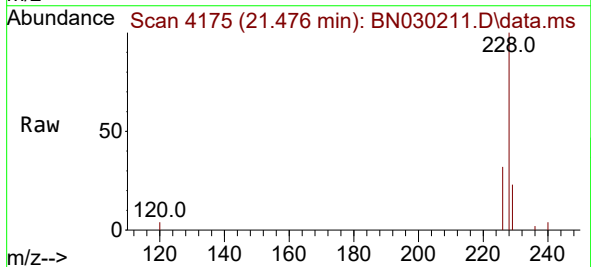
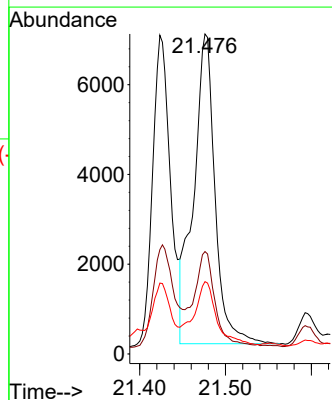


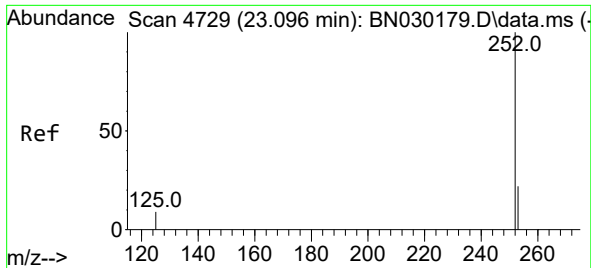
Tgt Ion:228 Resp: 10166  
Ion Ratio Lower Upper  
228 100  
229 22.2 16.6 24.8  
226 32.7 23.7 35.5



#22  
Chrysene  
Concen: 0.493 ng/ul  
RT: 21.476 min Scan# 4175  
Delta R.T. -0.013 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

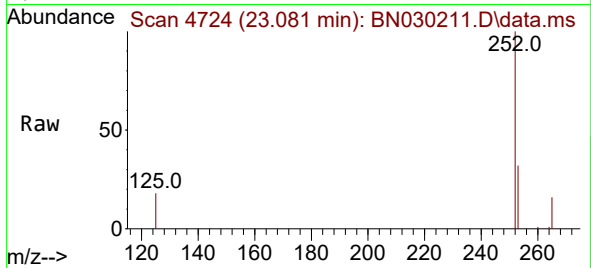
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Ion Ratio Lower Upper  
228 100  
226 32.0 24.6 37.0  
229 22.6 16.6 24.8



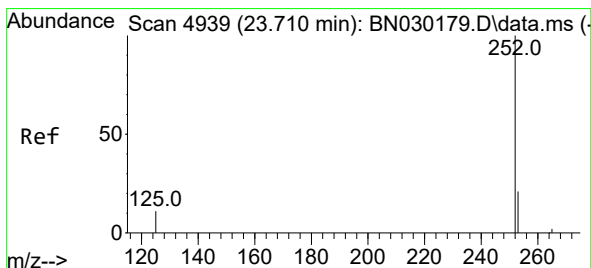
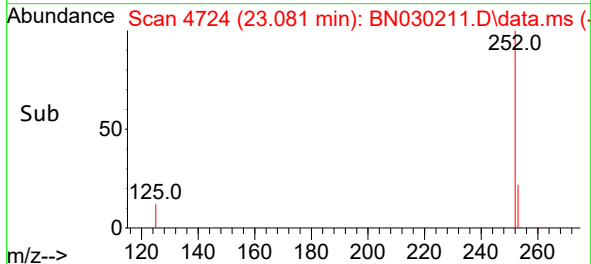
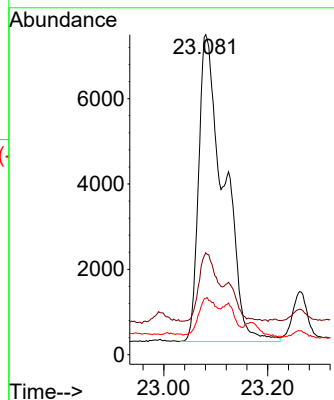


#24  
Benzo(b)fluoranthene  
Concen: 0.813 ng/ul  
RT: 23.081 min Scan# 41  
Delta R.T. -0.015 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

Instrument :  
BNA\_N  
ClientSampleId :  
E0SC3

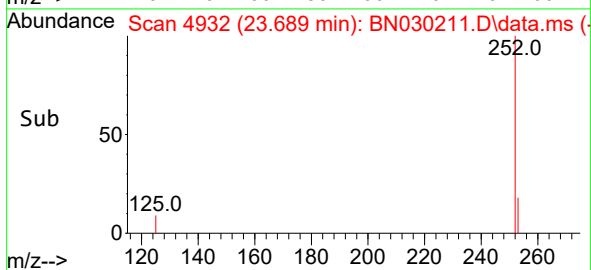
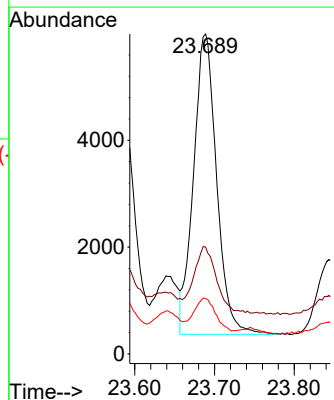
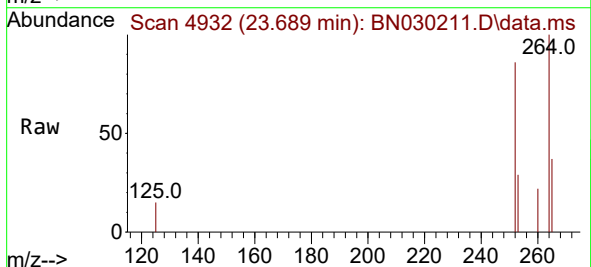


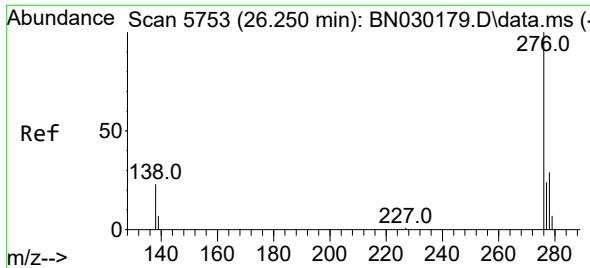
Tgt Ion:252 Resp: 24193  
Ion Ratio Lower Upper  
252 100  
253 31.8 0.0 69.4  
125 17.6 0.0 32.8



#26  
Benzo(a)pyrene  
Concen: 0.374 ng/ul  
RT: 23.689 min Scan# 4932  
Delta R.T. -0.021 min  
Lab File: BN030211.D  
Acq: 03 Mar 2024 10:22

Tgt Ion:252 Resp: 11318  
Ion Ratio Lower Upper  
252 100  
253 33.4 33.0 49.4  
125 17.3 16.9 25.3

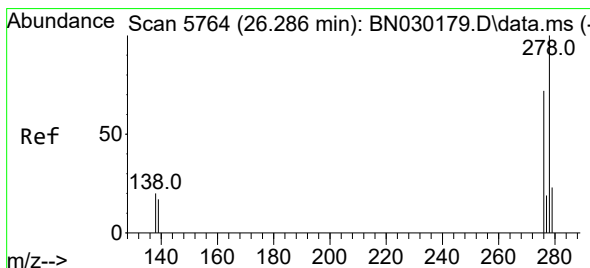
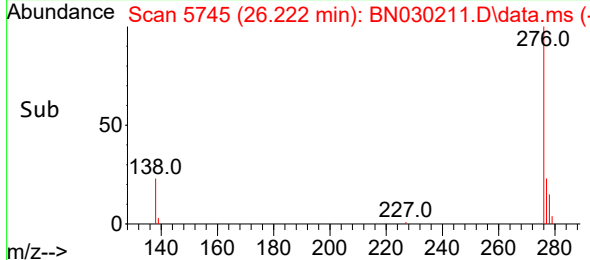
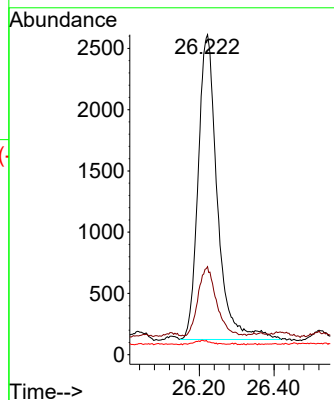
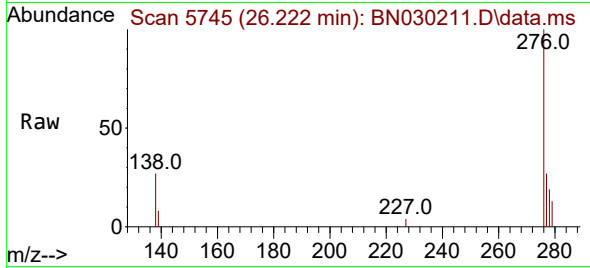




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.228 ng/ul  
 RT: 26.222 min Scan# 5751  
 Delta R.T. -0.028 min  
 Lab File: BN030211.D  
 Acq: 03 Mar 2024 10:22

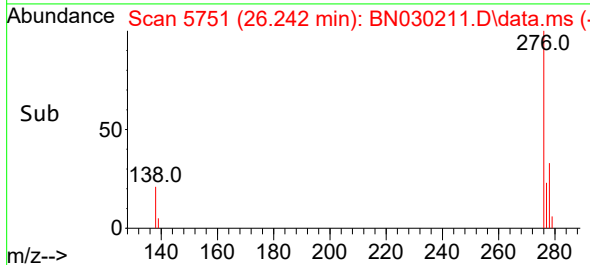
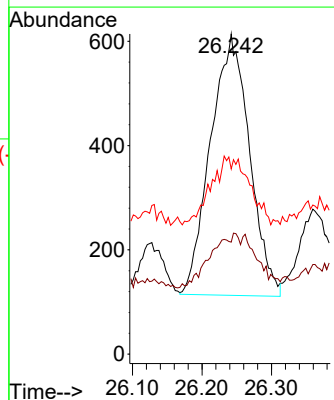
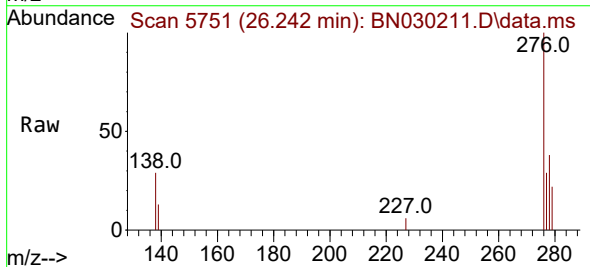
Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0SC3

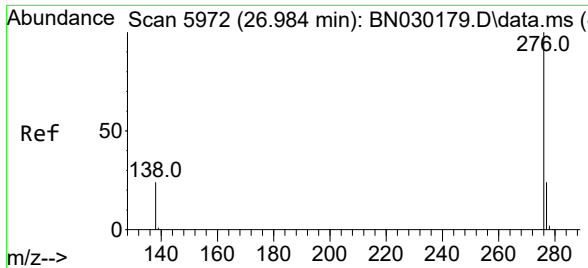
Tgt Ion:276 Resp: 8829  
 Ion Ratio Lower Upper  
 276 100  
 138 21.7 20.9 31.3  
 227 1.1 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.065 ng/ul  
 RT: 26.242 min Scan# 5751  
 Delta R.T. -0.044 min  
 Lab File: BN030211.D  
 Acq: 03 Mar 2024 10:22

Tgt Ion:278 Resp: 1949  
 Ion Ratio Lower Upper  
 278 100  
 139 35.0 18.9 28.3#  
 279 57.8 31.8 47.6#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.262 ng/ul  
 RT: 26.963 min Scan# 5966  
 Delta R.T. -0.021 min  
 Lab File: BN030211.D  
 Acq: 03 Mar 2024 10:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E0SC3

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 9416 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 27.3  | 22.6  | 33.8 |
| 277       | 26.2  | 21.9  | 32.9 |

