

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122122\  
 Data File : BN023320.D  
 Acq On : 21 Dec 2022 19:15  
 Operator : CG/JU  
 Sample : N6006-18DL 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 22 03:21:27 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

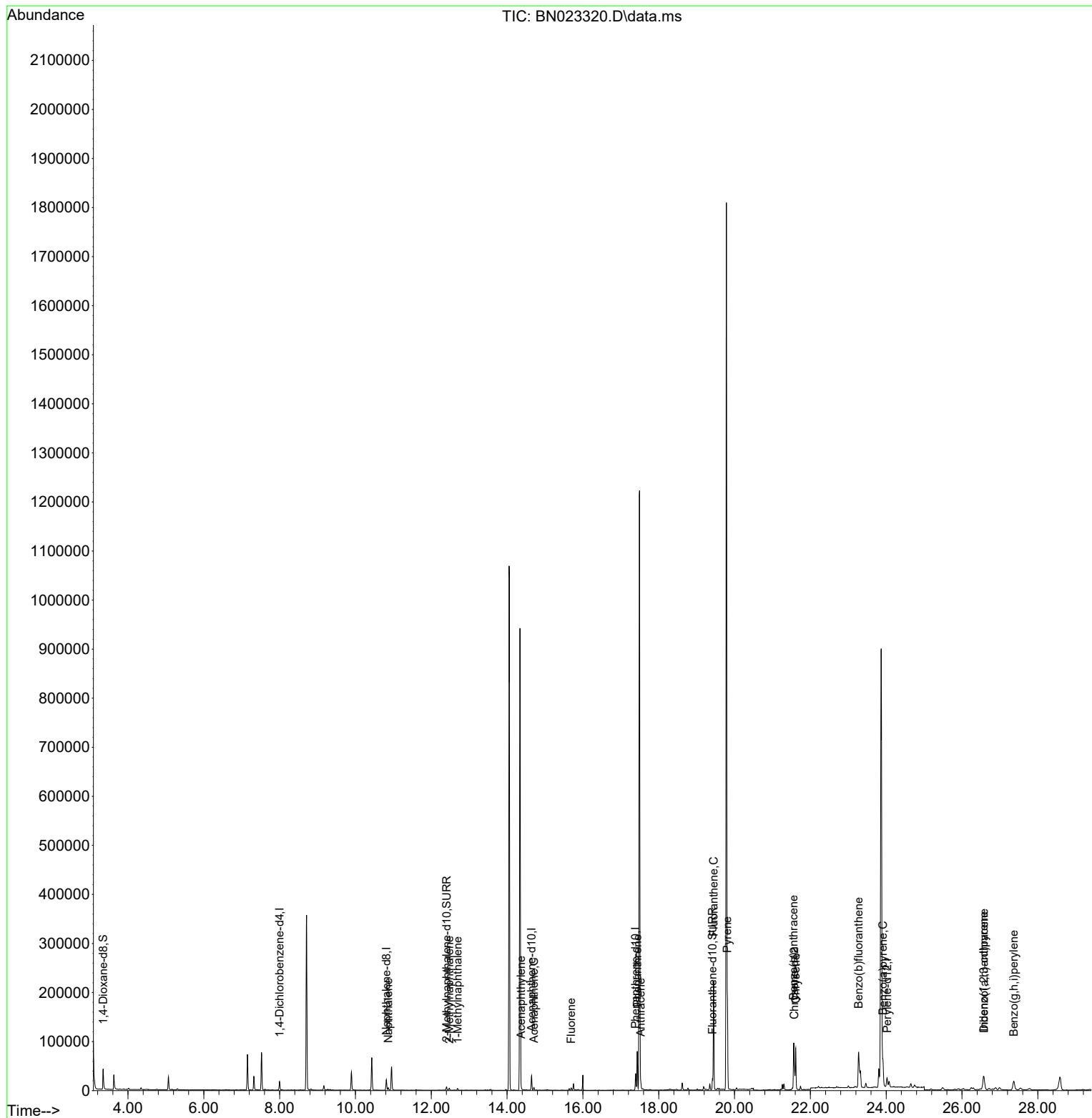
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.998  | 152  | 8302     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.815 | 136  | 27048    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.646 | 164  | 15737    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.391 | 188  | 37471    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.576 | 240  | 31224    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.022 | 264  | 26083    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.344  | 96   | 27261    | 3.022 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.404 | 152  | 8462     | 0.202 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.416 | 212  | 21818    | 0.193 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.865 | 128  | 6328     | 0.080 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.476 | 142  | 2878     | 0.057 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.696 | 142  | 2290     | 0.044 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.368 | 152  | 4346     | 0.062 | ng/ul# | 94       |
| 11) Acenaphthene            | 14.706 | 153  | 3128     | 0.053 | ng/ul  | 99       |
| 12) Fluorene                | 15.692 | 166  | 2888     | 0.044 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.433 | 178  | 79685    | 0.653 | ng/ul  | 100      |
| 16) Anthracene              | 17.526 | 178  | 11195    | 0.111 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.449 | 202  | 176839   | 1.167 | ng/ul  | 99       |
| 20) Pyrene                  | 19.811 | 202  | 140122   | 0.918 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.558 | 228  | 75694    | 0.623 | ng/ul  | 98       |
| 22) Chrysene                | 21.614 | 228  | 85282    | 0.690 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.274 | 252  | 155428   | 1.152 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.914 | 252  | 66495    | 0.623 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.571 | 276  | 47404    | 0.380 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.581 | 278  | 11786    | 0.122 | ng/ul# | 78       |
| 29) Benzo(g,h,i)perylene    | 27.366 | 276  | 38387    | 0.378 | ng/ul# | 91       |
| -----                       |        |      |          |       |        |          |

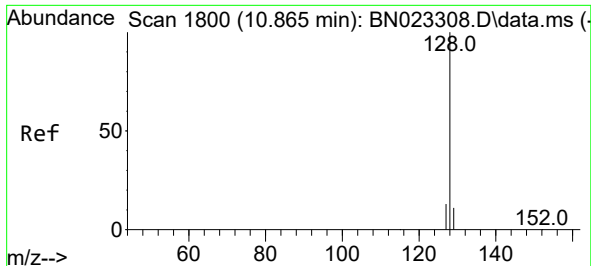
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122122\  
Data File : BN023320.D  
Acq On : 21 Dec 2022 19:15  
Operator : CG/JU  
Sample : N6006-18DL 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Dec 22 03:21:27 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

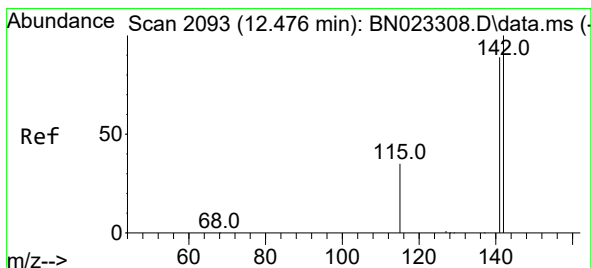
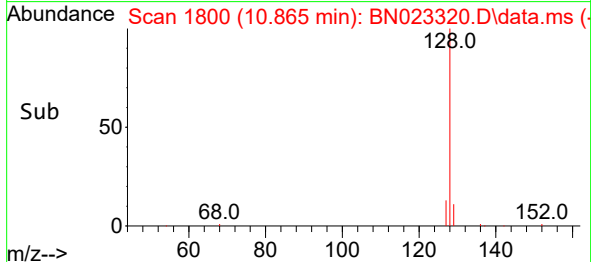
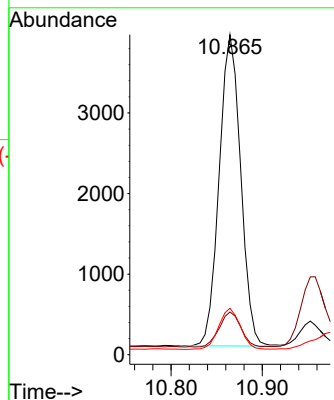
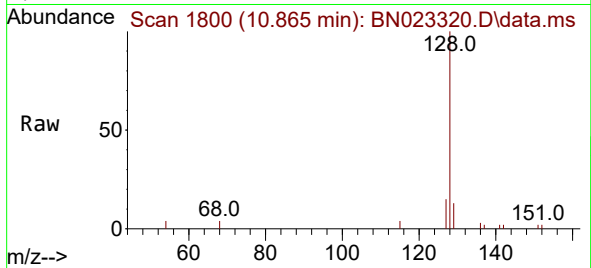




#5  
Naphthalene  
Concen: 0.080 ng/ul  
RT: 10.865 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

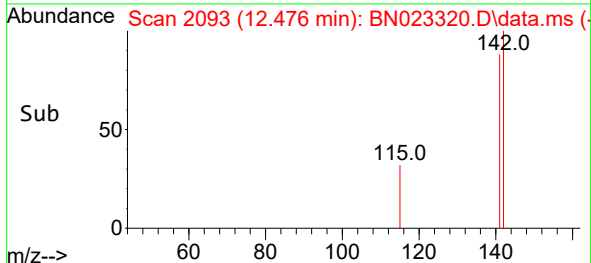
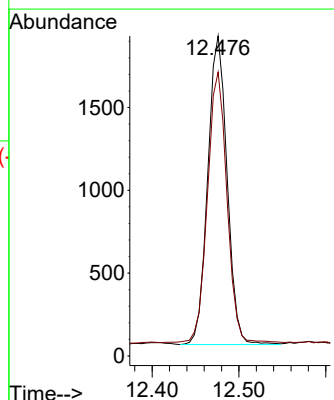
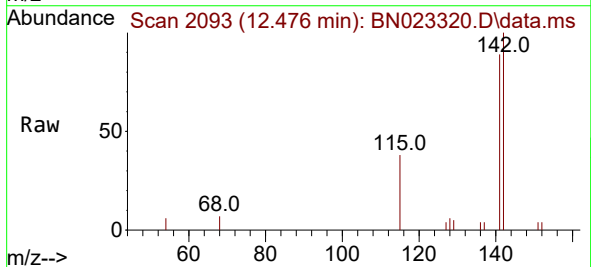
Instrument :  
BNA\_N  
ClientSampleId :

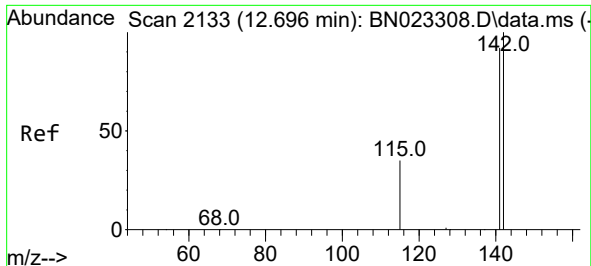
Tgt Ion:128 Resp: 6328  
Ion Ratio Lower Upper  
128 100  
129 13.3 9.0 13.4  
127 14.5 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 0.057 ng/ul  
RT: 12.476 min Scan# 2093  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

Tgt Ion:142 Resp: 2878  
Ion Ratio Lower Upper  
142 100  
141 87.9 71.4 107.2

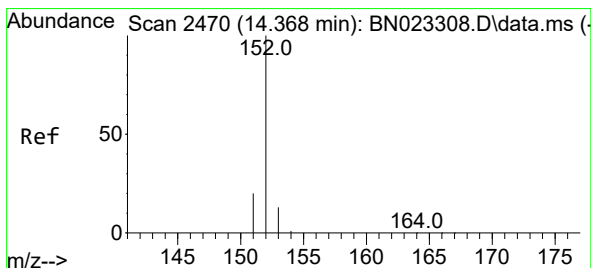
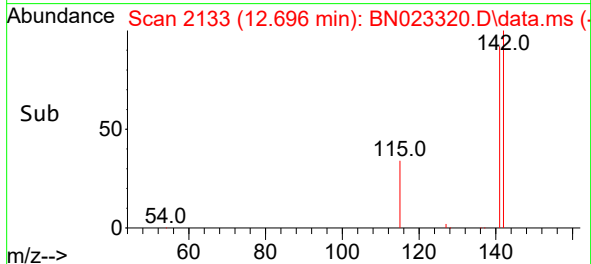
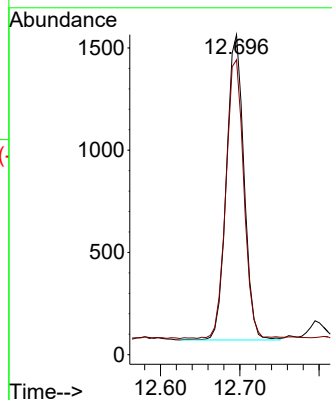
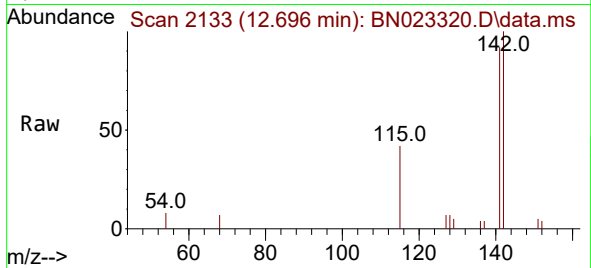




#8  
1-Methylnaphthalene  
Concen: 0.044 ng/ul  
RT: 12.696 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

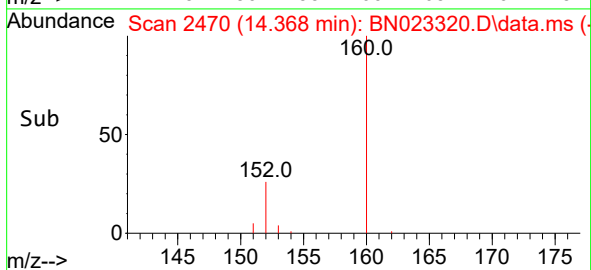
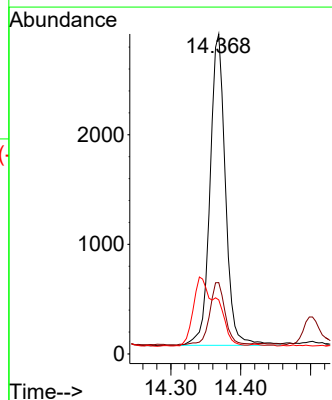
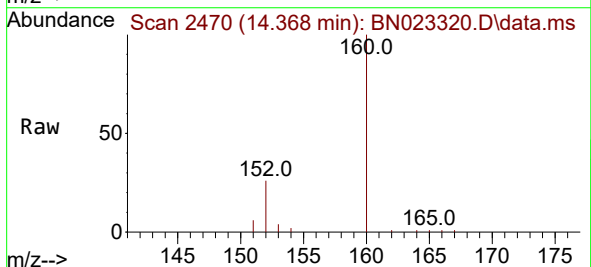
Instrument :  
BNA\_N  
ClientSampleId :

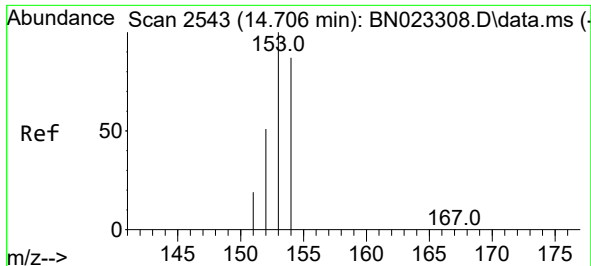
Tgt Ion:142 Resp: 2290  
Ion Ratio Lower Upper  
142 100  
141 93.2 74.0 111.0



#10  
Acenaphthylene  
Concen: 0.062 ng/ul  
RT: 14.368 min Scan# 2470  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

Tgt Ion:152 Resp: 4346  
Ion Ratio Lower Upper  
152 100  
151 22.3 16.1 24.1  
153 16.9 10.9 16.3#

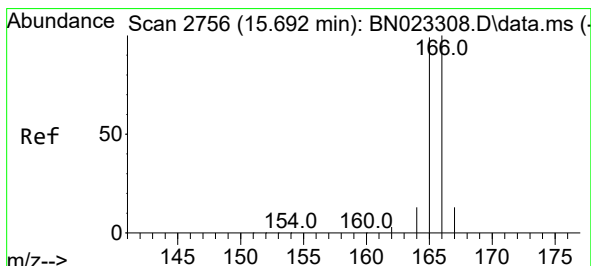
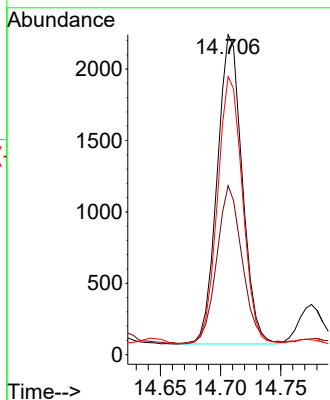
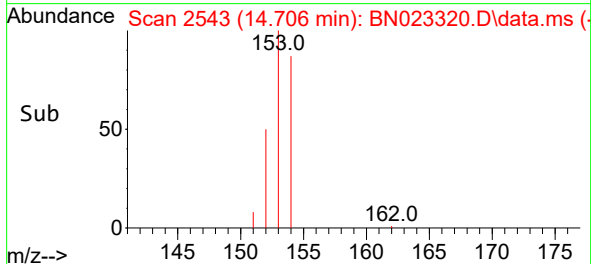
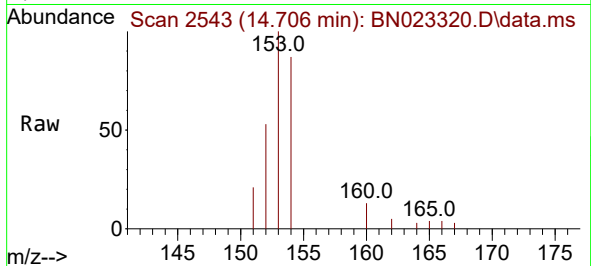




#11  
Acenaphthene  
Concen: 0.053 ng/ul  
RT: 14.706 min Scan# 2543  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

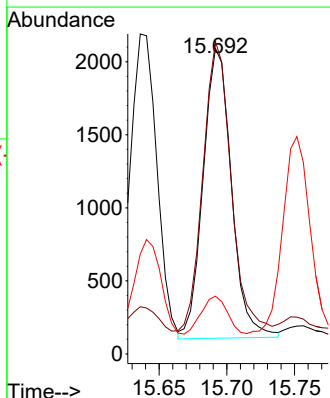
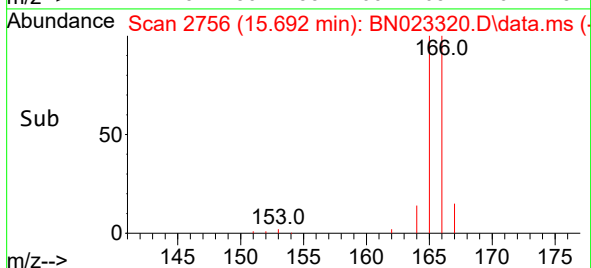
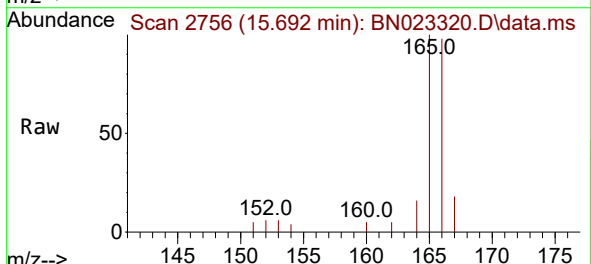
Instrument :  
BNA\_N  
ClientSampleId :

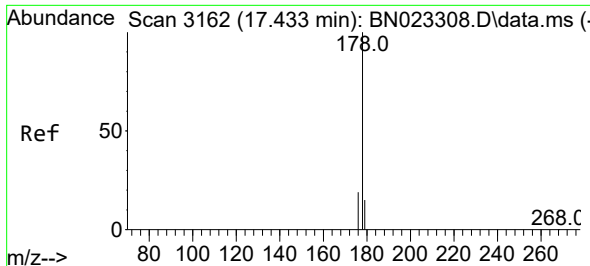
Tgt Ion:153 Resp: 3128  
Ion Ratio Lower Upper  
153 100  
152 52.8 41.0 61.4  
154 86.9 69.5 104.3



#12  
Fluorene  
Concen: 0.044 ng/ul  
RT: 15.692 min Scan# 2756  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

Tgt Ion:166 Resp: 2888  
Ion Ratio Lower Upper  
166 100  
165 102.3 79.1 118.7  
167 18.9 11.0 16.4#

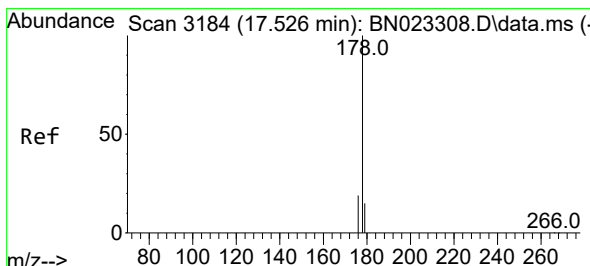
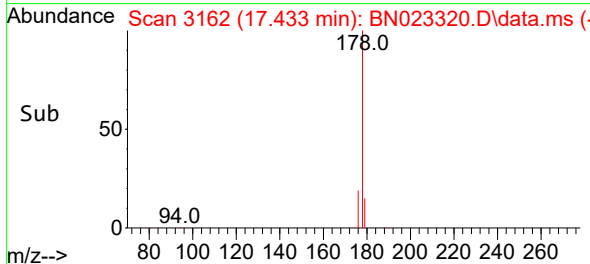
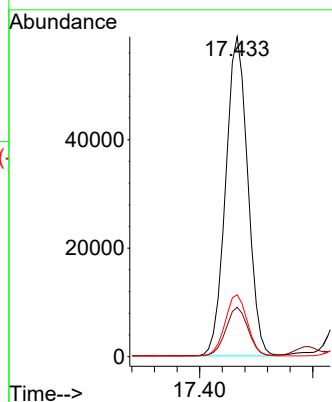
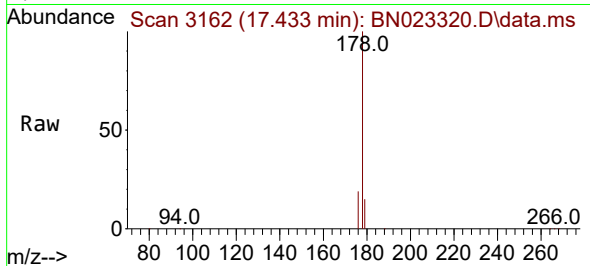




#15  
Phenanthrene  
Concen: 0.653 ng/ul  
RT: 17.433 min Scan# 3162  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

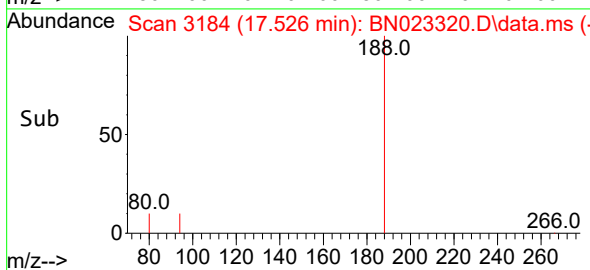
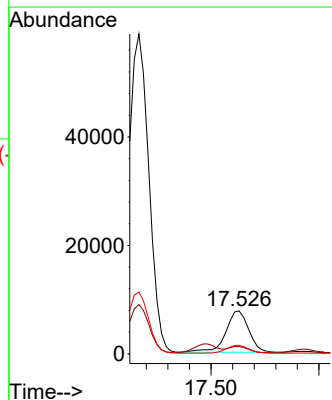
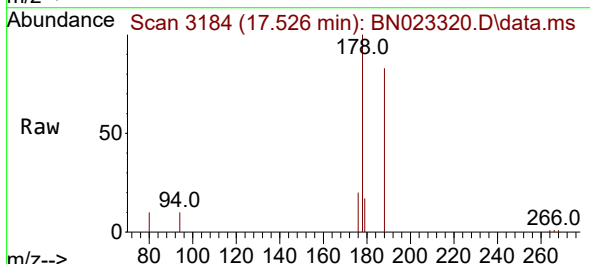
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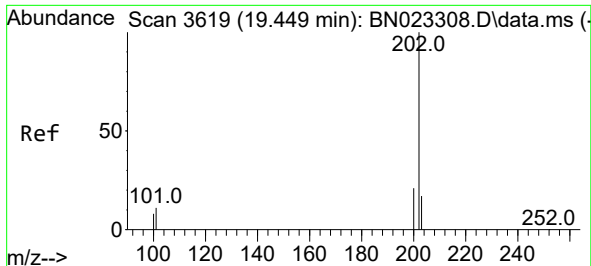
Tgt Ion:178 Resp: 79685  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.5 18.7  
176 19.4 15.7 23.5



#16  
Anthracene  
Concen: 0.111 ng/ul  
RT: 17.526 min Scan# 3184  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

Tgt Ion:178 Resp: 11195  
Ion Ratio Lower Upper  
178 100  
179 17.2 12.6 18.8  
176 20.1 15.4 23.0





#19

Fluoranthene

Concen: 1.167 ng/ul

RT: 19.449 min Scan# 3619

Delta R.T. 0.000 min

Lab File: BN023320.D

Acq: 21 Dec 2022 19:15

Instrument :

BNA\_N

ClientSampleId :

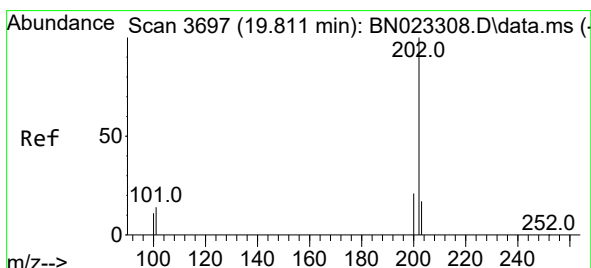
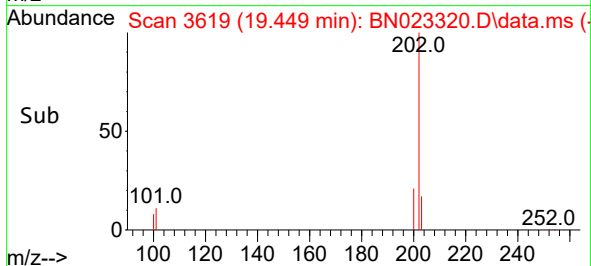
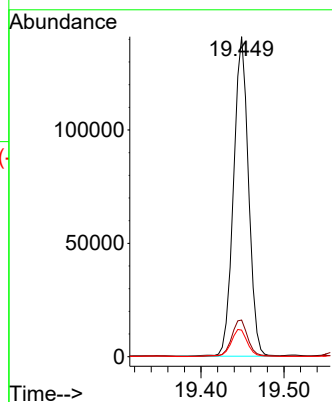
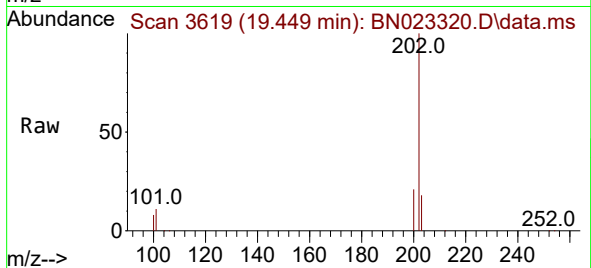
Tgt Ion:202 Resp: 176839

Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

100 8.3 7.0 10.6



#20

Pyrene

Concen: 0.918 ng/ul

RT: 19.811 min Scan# 3697

Delta R.T. 0.000 min

Lab File: BN023320.D

Acq: 21 Dec 2022 19:15

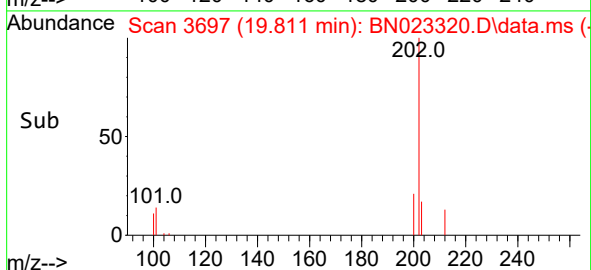
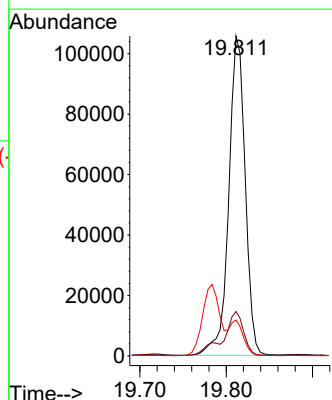
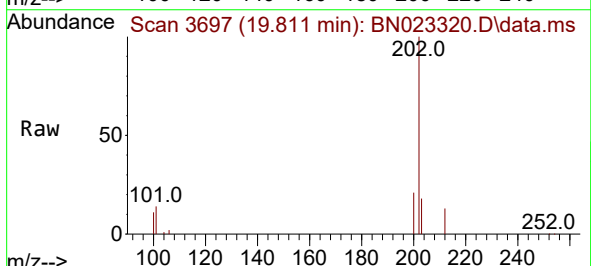
Tgt Ion:202 Resp: 140122

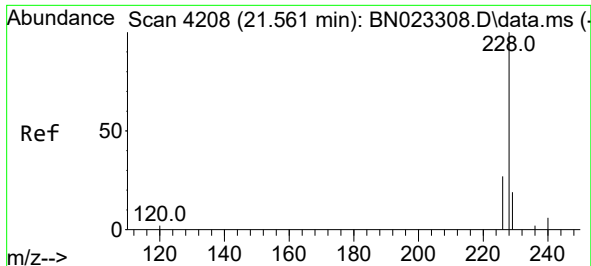
Ion Ratio Lower Upper

202 100

101 13.9 11.3 16.9

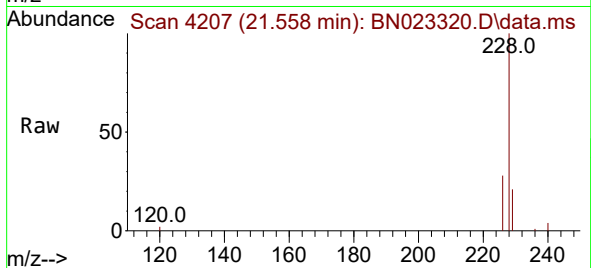
100 11.2 9.0 13.4



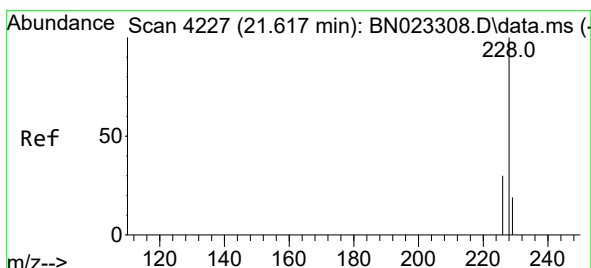
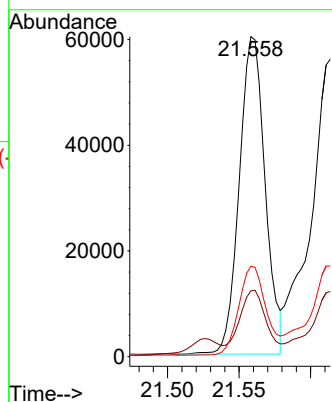
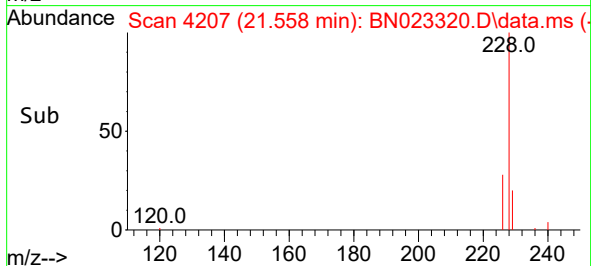


#21  
Benzo(a)anthracene  
Concen: 0.623 ng/ul  
RT: 21.558 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

Instrument :  
BNA\_N  
ClientSampleId :

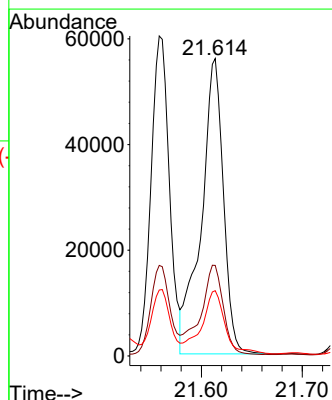
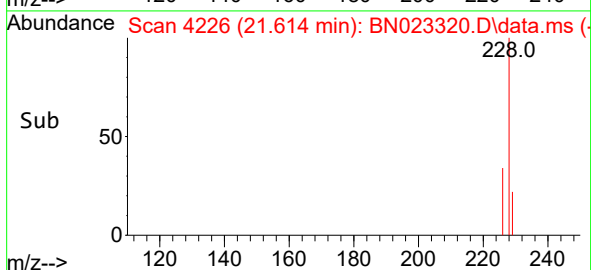
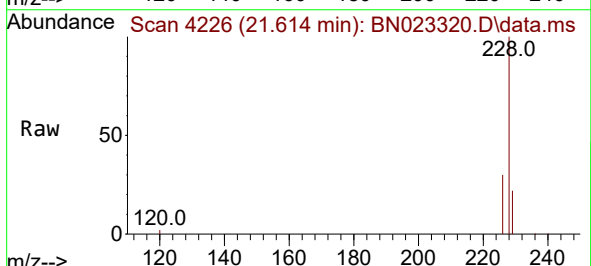


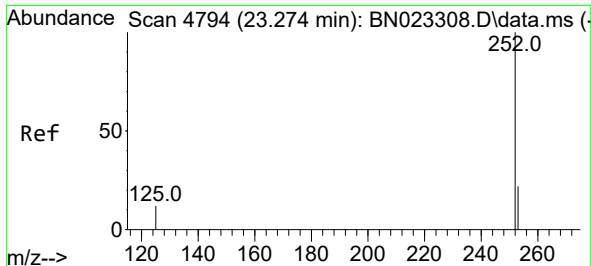
Tgt Ion:228 Resp: 75694  
Ion Ratio Lower Upper  
228 100  
229 20.6 15.6 23.4  
226 28.3 22.2 33.2



#22  
Chrysene  
Concen: 0.690 ng/ul  
RT: 21.614 min Scan# 4226  
Delta R.T. -0.003 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

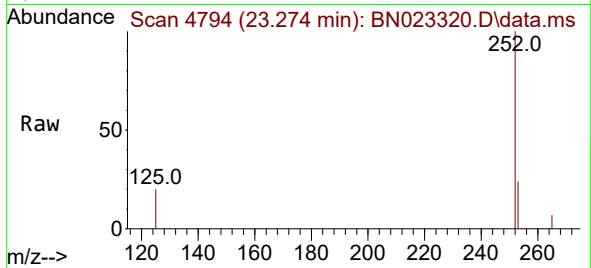
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Ion Ratio Lower Upper  
228 100  
226 30.4 24.3 36.5  
229 22.0 15.8 23.6



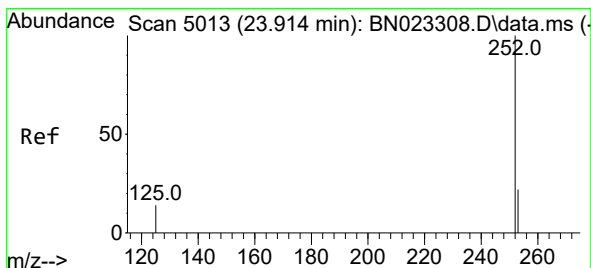
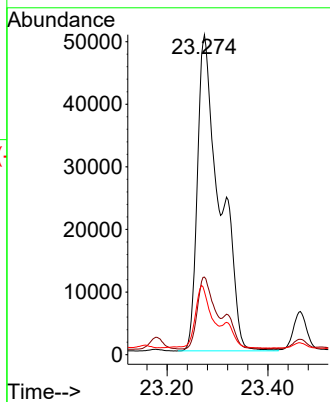
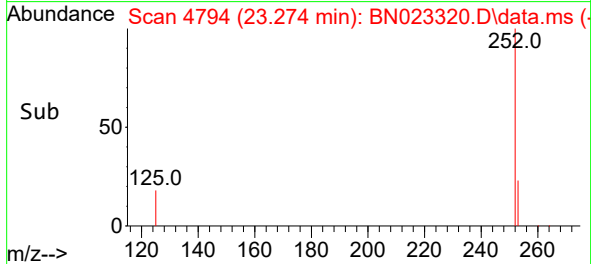


#24  
Benzo(b)fluoranthene  
Concen: 1.152 ng/ul  
RT: 23.274 min Scan# 4794  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15

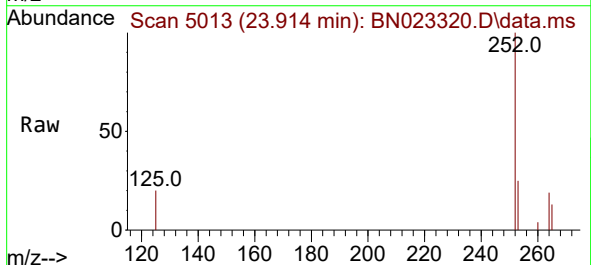
Instrument :  
BNA\_N  
ClientSampleId :



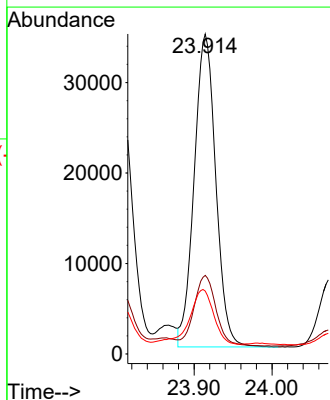
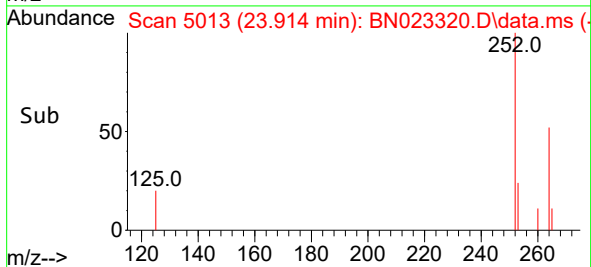
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Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 49.2  
125 19.7 0.0 31.8

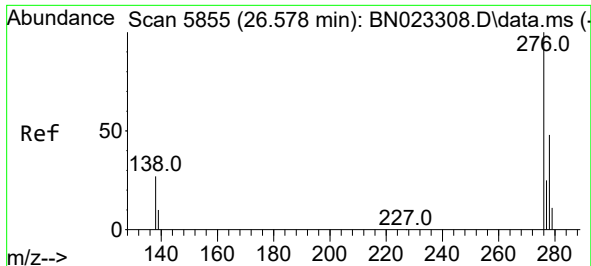


#26  
Benzo(a)pyrene  
Concen: 0.623 ng/ul  
RT: 23.914 min Scan# 5013  
Delta R.T. 0.000 min  
Lab File: BN023320.D  
Acq: 21 Dec 2022 19:15



Tgt Ion:252 Resp: 66495  
Ion Ratio Lower Upper  
252 100  
253 24.6 21.4 32.2  
125 19.6 16.2 24.4

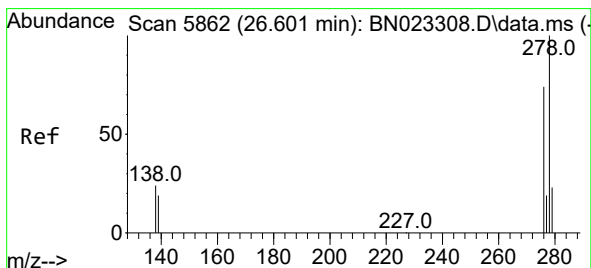
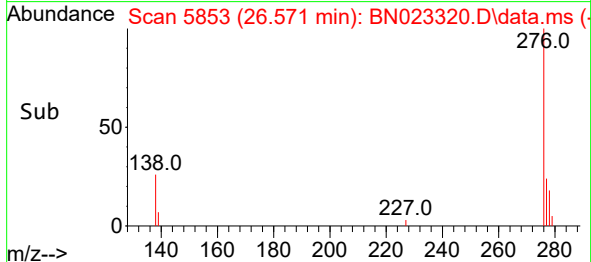
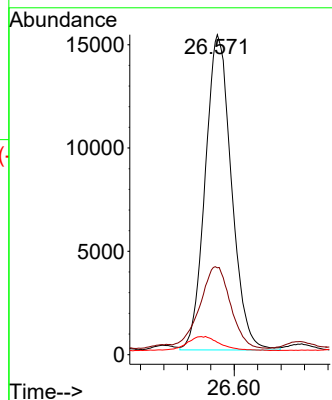
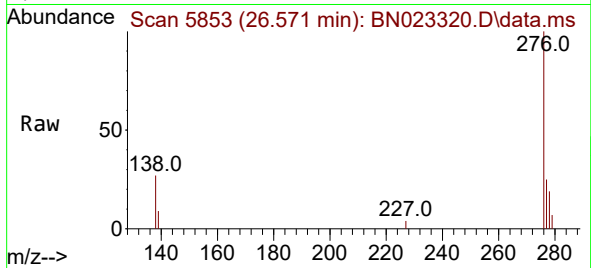




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.380 ng/ul  
 RT: 26.571 min Scan# 5853  
 Delta R.T. -0.007 min  
 Lab File: BN023320.D  
 Acq: 21 Dec 2022 19:15

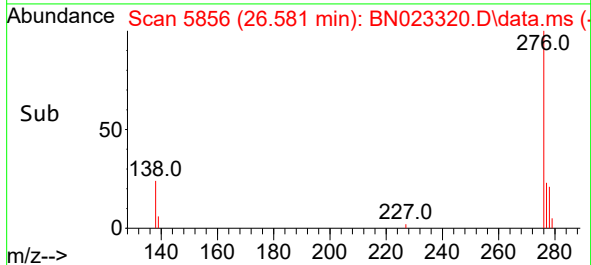
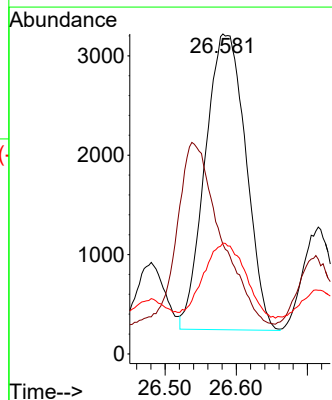
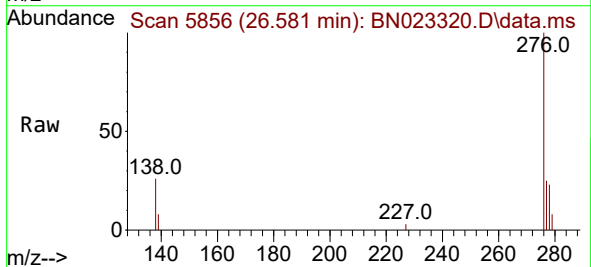
Instrument :  
 BNA\_N  
 ClientSampleId :

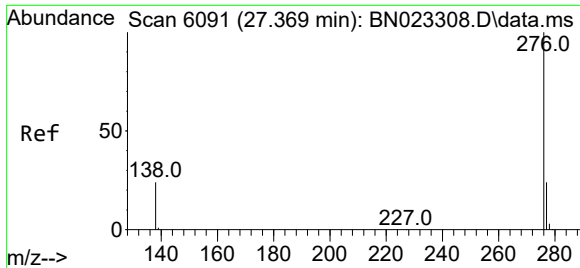
Tgt Ion:276 Resp: 47404  
 Ion Ratio Lower Upper  
 276 100  
 138 30.4 23.4 35.2  
 227 0.0 0.0 0.0



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.122 ng/ul  
 RT: 26.581 min Scan# 5856  
 Delta R.T. -0.020 min  
 Lab File: BN023320.D  
 Acq: 21 Dec 2022 19:15

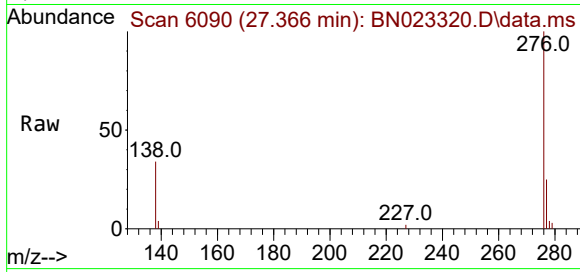
Tgt Ion:278 Resp: 11786  
 Ion Ratio Lower Upper  
 278 100  
 139 34.2 16.6 24.8#  
 279 34.7 21.3 31.9#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.378 ng/ul  
 RT: 27.366 min Scan# 6090  
 Delta R.T. -0.003 min  
 Lab File: BN023320.D  
 Acq: 21 Dec 2022 19:15

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:276 Resp: 38387  
 Ion Ratio Lower Upper  
 276 100  
 138 34.3 20.3 30.5#  
 277 24.6 19.7 29.5

