

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071224\  
 Data File : BN032681.D  
 Acq On : 12 Jul 2024 20:24  
 Operator : MA/JU  
 Sample : P3102-02DL 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 13 00:03:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 01:40:24 2024  
 Response via : Initial Calibration

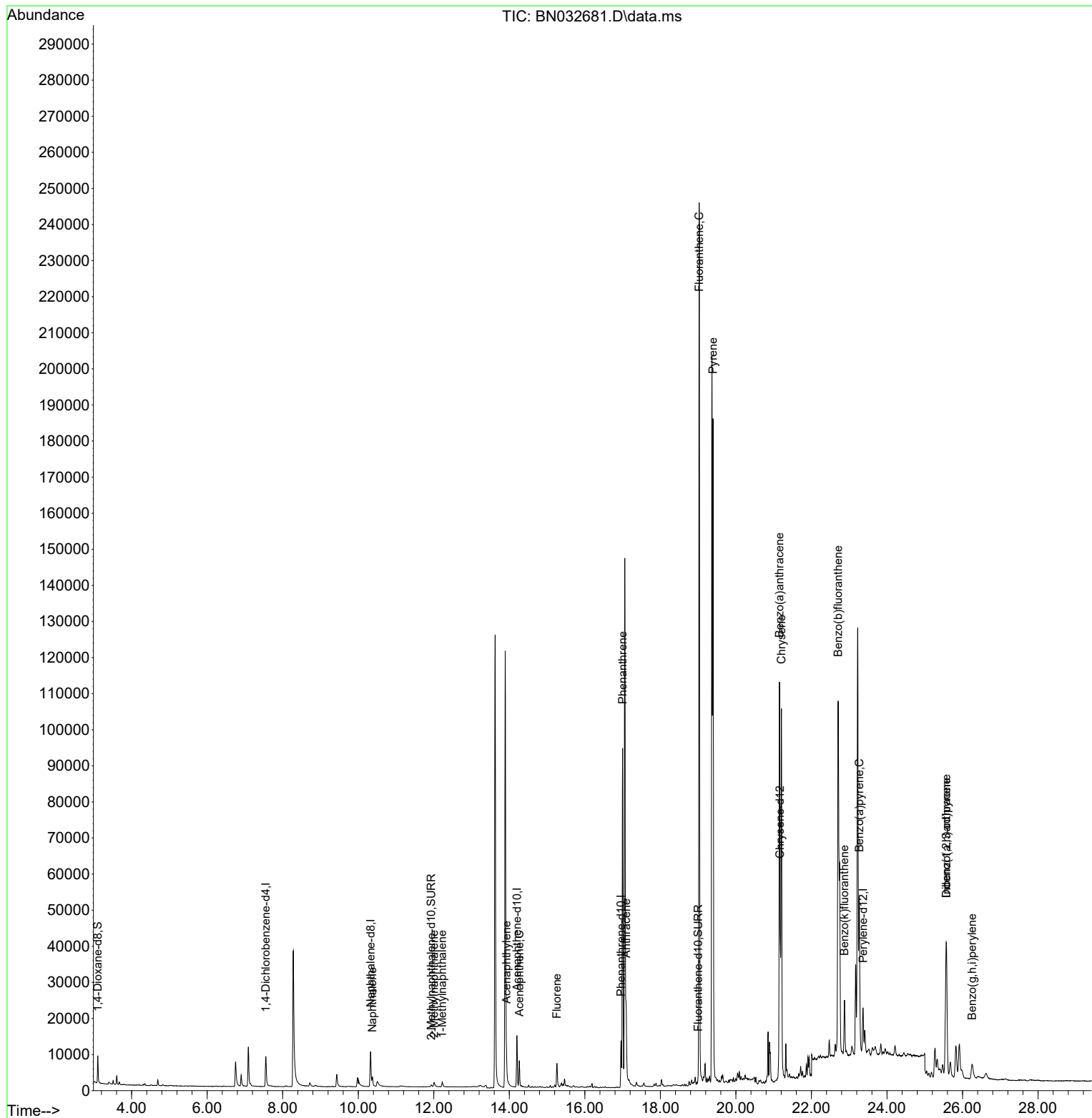
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.553  | 152  | 5542     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.327 | 136  | 15730    | 0.400 | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.202 | 164  | 8207     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.957 | 188  | 15710    | 0.400 | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.168 | 240  | 14297    | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.365 | 264  | 17305    | 0.400 | ng/ul  | #-0.03   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.105  | 96   | 5159     | 0.775 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.933 | 152  | 1206     | 0.051 | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.999 | 212  | 2191     | 0.047 | ng/ul  | -0.03    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.376 | 128  | 3767     | 0.089 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 12.010 | 142  | 1455     | 0.055 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.224 | 142  | 1133     | 0.042 | ng/ul  | 96       |
| 10) Acenaphthylene          | 13.925 | 152  | 8257     | 0.249 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.267 | 153  | 4544     | 0.166 | ng/ul  | 99       |
| 12) Fluorene                | 15.262 | 166  | 5075     | 0.162 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.999 | 178  | 102129   | 2.387 | ng/ul  | 99       |
| 16) Anthracene              | 17.092 | 178  | 22873    | 0.654 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.027 | 202  | 215220   | 3.702 | ng/ul  | 99       |
| 20) Pyrene                  | 19.394 | 202  | 155822   | 2.590 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.153 | 228  | 97483    | 2.142 | ng/ul  | 98       |
| 22) Chrysene                | 21.206 | 228  | 109288   | 1.660 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.707 | 252  | 214526   | 3.513 | ng/ul  | 92       |
| 25) Benzo(k)fluoranthene    | 22.874 | 252  | 18797    | 0.253 | ng/ul# | 82       |
| 26) Benzo(a)pyrene          | 23.266 | 252  | 58881    | 1.114 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.569 | 276  | 60756    | 0.849 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.569 | 278  | 19091    | 0.344 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 26.253 | 276  | 8483     | 0.142 | ng/ul# | 75       |
| -----                       |        |      |          |       |        |          |

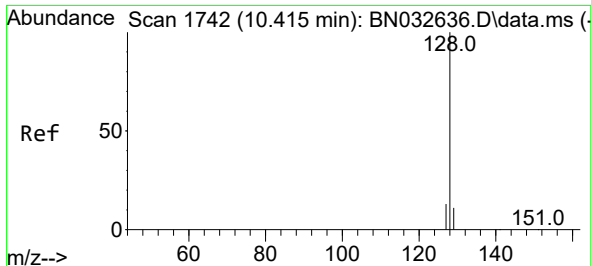
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071224\  
Data File : BN032681.D  
Acq On : 12 Jul 2024 20:24  
Operator : MA/JU  
Sample : P3102-02DL 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 13 00:03:35 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 01:40:24 2024  
Response via : Initial Calibration

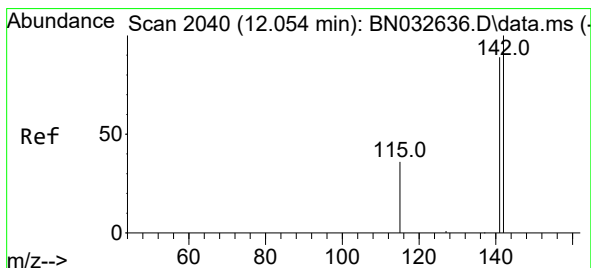
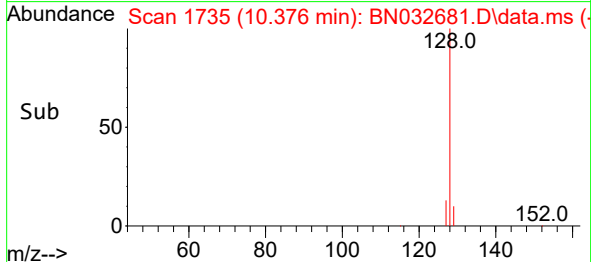
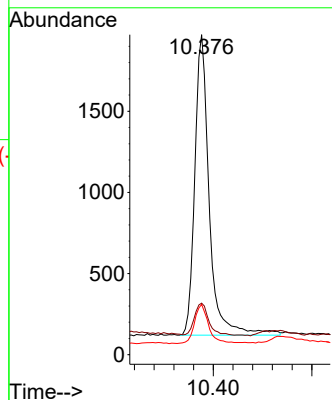
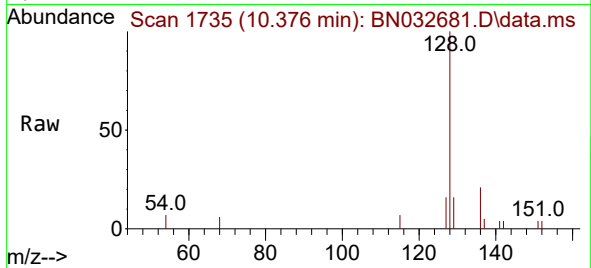




#5  
Naphthalene  
Concen: 0.089 ng/ul  
RT: 10.376 min Scan# 11  
Delta R.T. -0.033 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

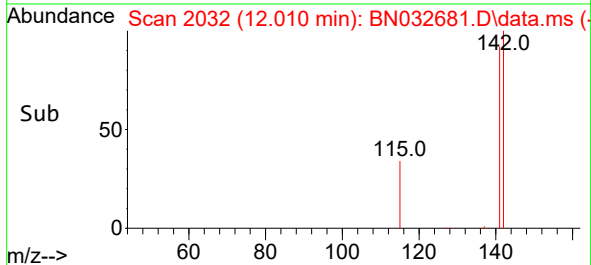
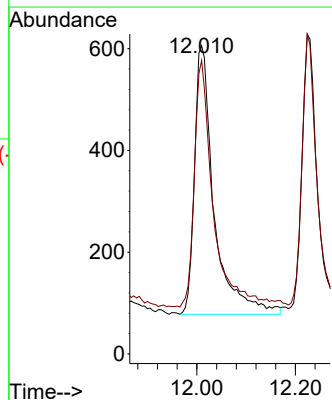
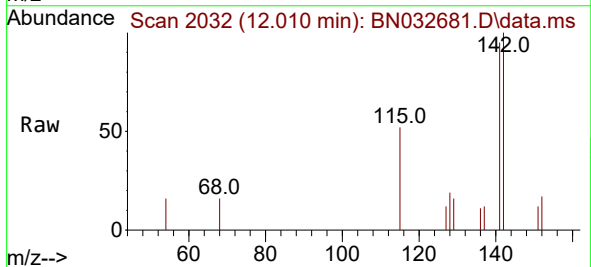
Instrument :  
BNA\_N  
ClientSampleId :

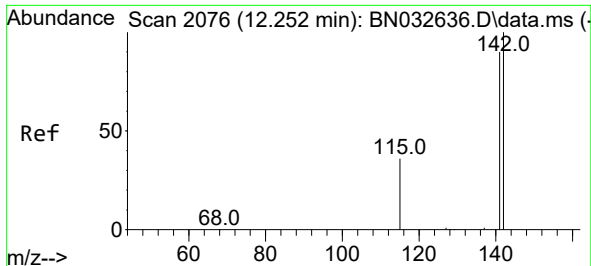
Tgt Ion:128 Resp: 3767  
Ion Ratio Lower Upper  
128 100  
129 16.1 10.0 15.0#  
127 15.7 11.6 17.4



#7  
2-Methylnaphthalene  
Concen: 0.055 ng/ul  
RT: 12.010 min Scan# 2032  
Delta R.T. -0.039 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

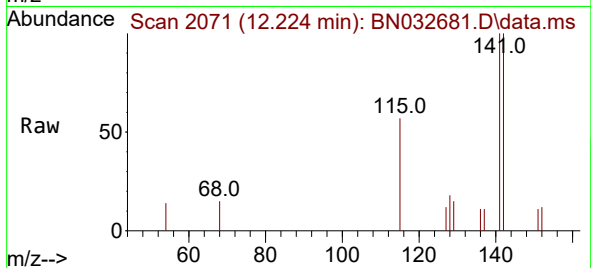
Tgt Ion:142 Resp: 1455  
Ion Ratio Lower Upper  
142 100  
141 87.7 74.0 111.0



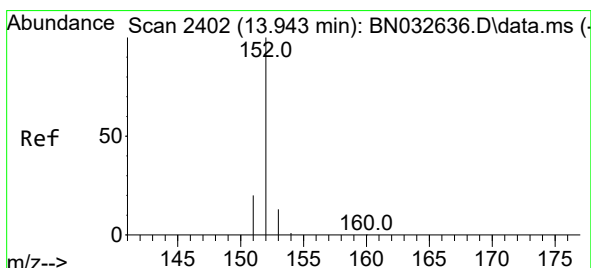
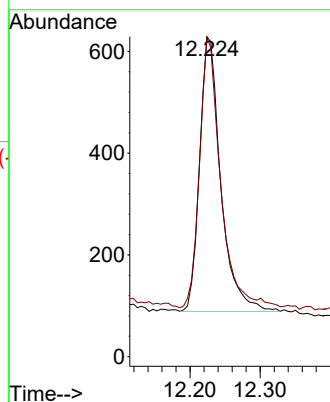
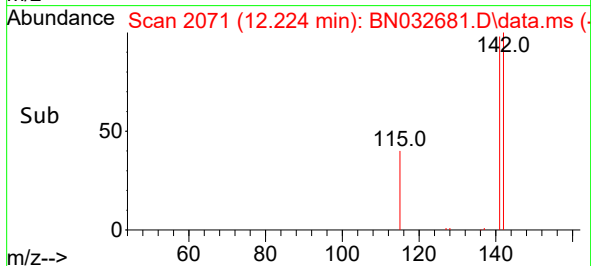


#8  
1-Methylnaphthalene  
Concen: 0.042 ng/ul  
RT: 12.224 min Scan# 2076  
Delta R.T. -0.022 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

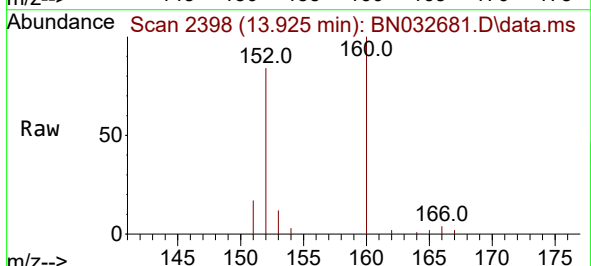
Instrument :  
BNA\_N  
ClientSampleId :



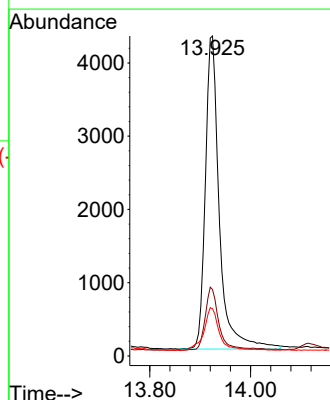
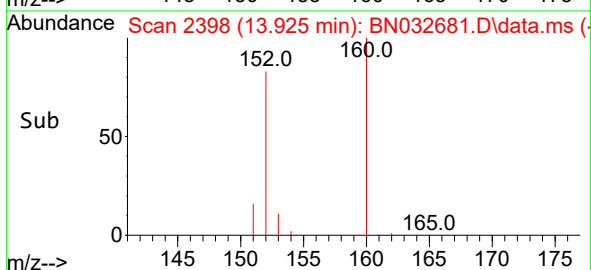
Tgt Ion:142 Resp: 1133  
Ion Ratio Lower Upper  
142 100  
141 97.7 75.0 112.4

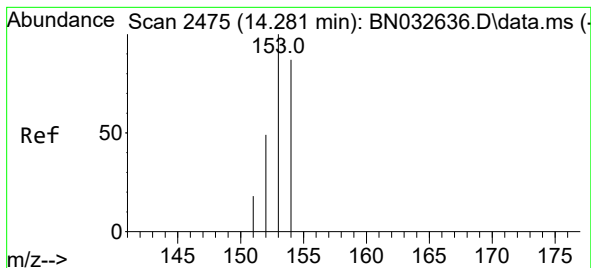


#10  
Acenaphthylene  
Concen: 0.249 ng/ul  
RT: 13.925 min Scan# 2398  
Delta R.T. -0.019 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24



Tgt Ion:152 Resp: 8257  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.3 24.5  
153 14.8 11.3 16.9





#11

Acenaphthene

Concen: 0.166 ng/ul

RT: 14.267 min Scan# 2475

Delta R.T. -0.014 min

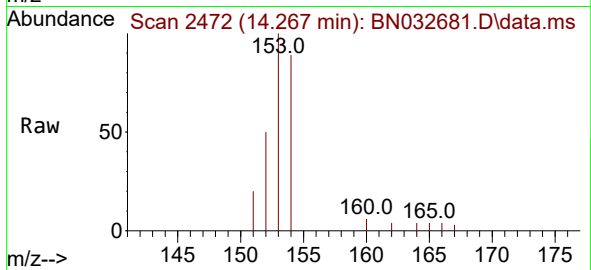
Lab File: BN032681.D

Acq: 12 Jul 2024 20:24

Instrument :

BNA\_N

ClientSampleId :



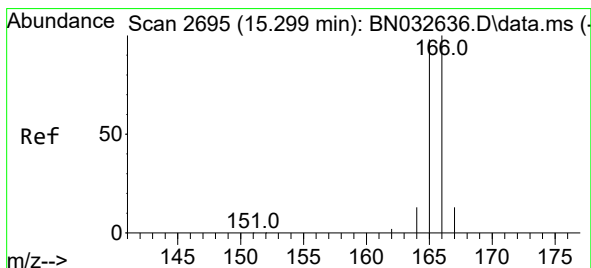
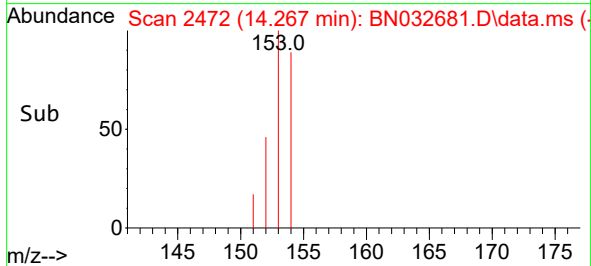
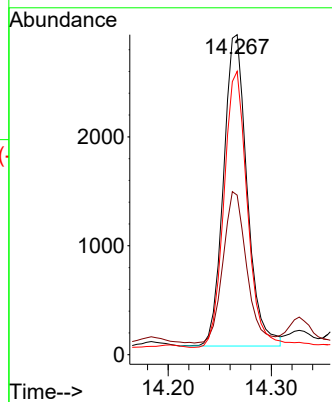
Tgt Ion:153 Resp: 4544

Ion Ratio Lower Upper

153 100

152 49.9 40.0 60.0

154 88.5 70.2 105.4



#12

Fluorene

Concen: 0.162 ng/ul

RT: 15.262 min Scan# 2687

Delta R.T. -0.028 min

Lab File: BN032681.D

Acq: 12 Jul 2024 20:24

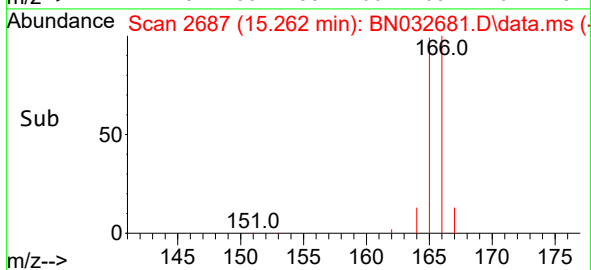
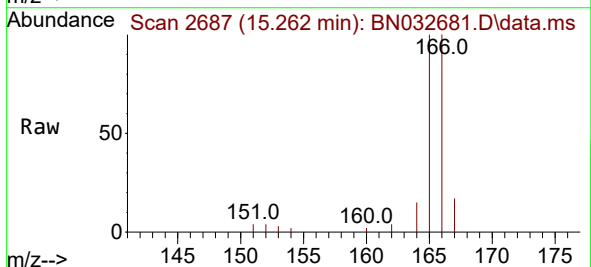
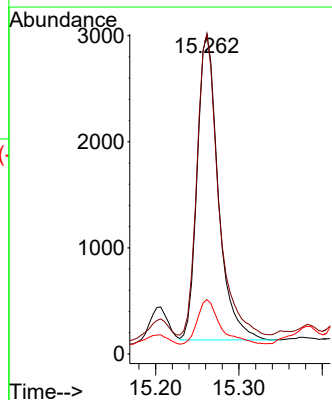
Tgt Ion:166 Resp: 5075

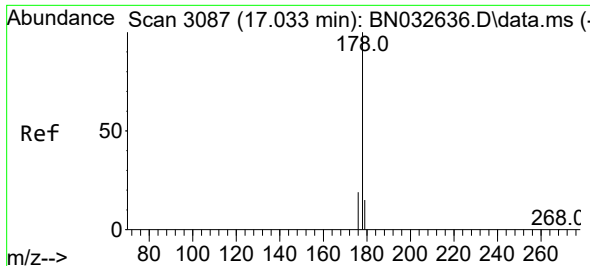
Ion Ratio Lower Upper

166 100

165 100.0 79.7 119.5

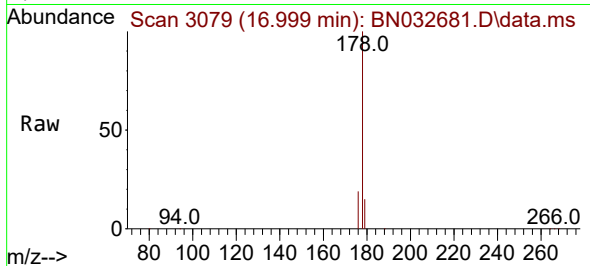
167 17.0 11.4 17.2



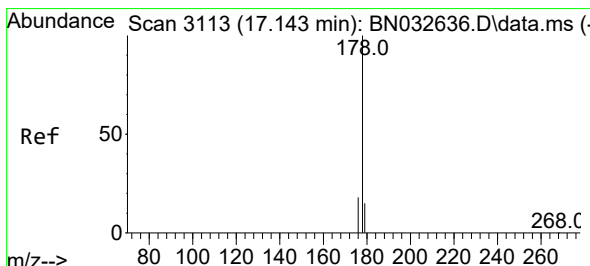
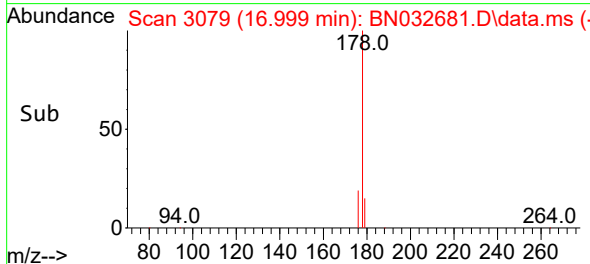
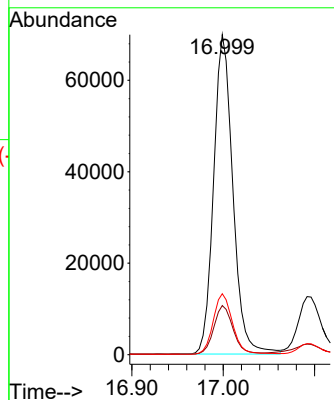


#15  
Phenanthrene  
Concen: 2.387 ng/ul  
RT: 16.999 min Scan# 3087  
Delta R.T. -0.030 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Instrument :  
BNA\_N  
ClientSampleId :

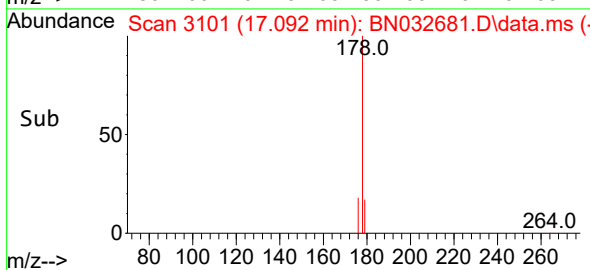
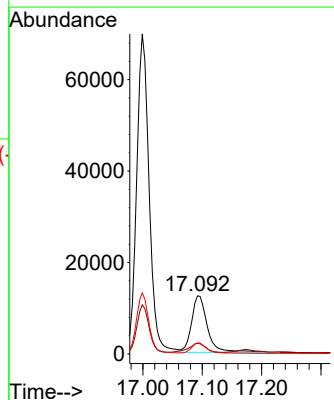
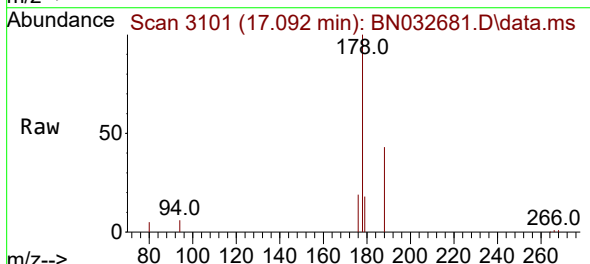


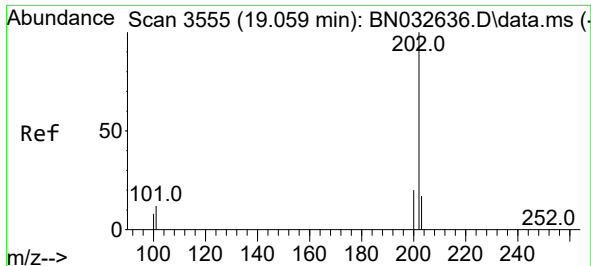
Tgt Ion:178 Resp: 102129  
Ion Ratio Lower Upper  
178 100  
179 15.3 13.0 19.4  
176 19.1 15.6 23.4



#16  
Anthracene  
Concen: 0.654 ng/ul  
RT: 17.092 min Scan# 3101  
Delta R.T. -0.046 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

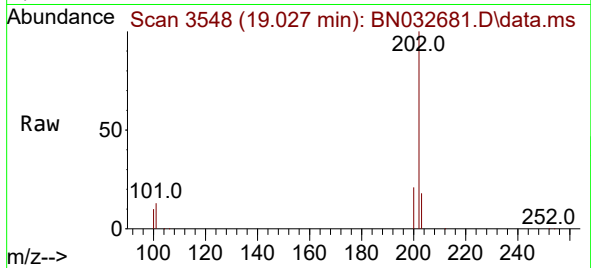
Tgt Ion:178 Resp: 22873  
Ion Ratio Lower Upper  
178 100  
179 18.3 13.4 20.2  
176 19.1 15.4 23.0



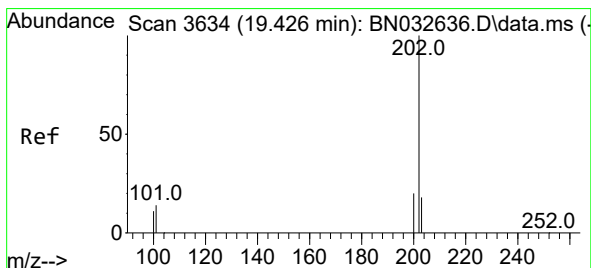
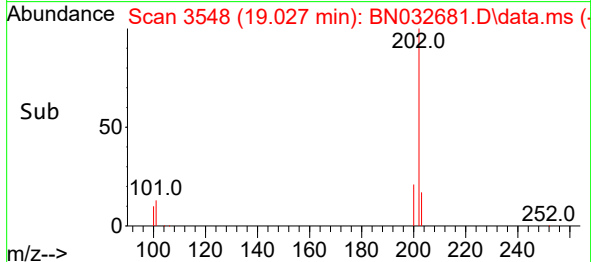
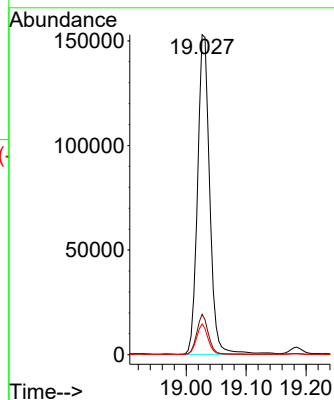


#19  
Fluoranthene  
Concen: 3.702 ng/ul  
RT: 19.027 min Scan# 3548  
Delta R.T. -0.028 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Instrument :  
BNA\_N  
ClientSampleId :

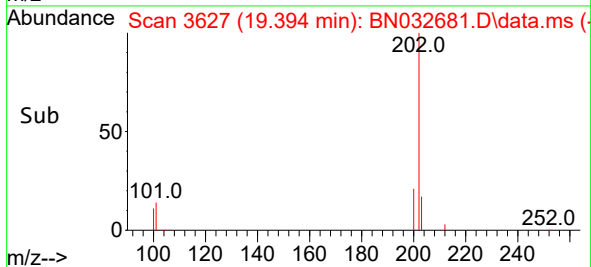
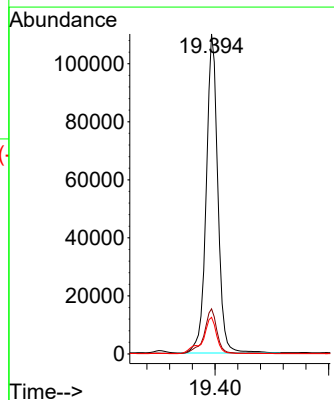
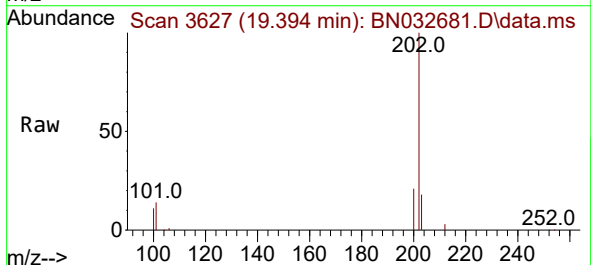


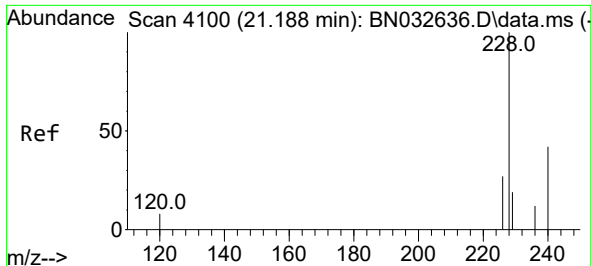
Tgt Ion:202 Resp: 215220  
Ion Ratio Lower Upper  
202 100  
101 12.6 9.8 14.8  
100 9.6 7.9 11.9



#20  
Pyrene  
Concen: 2.590 ng/ul  
RT: 19.394 min Scan# 3627  
Delta R.T. -0.028 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

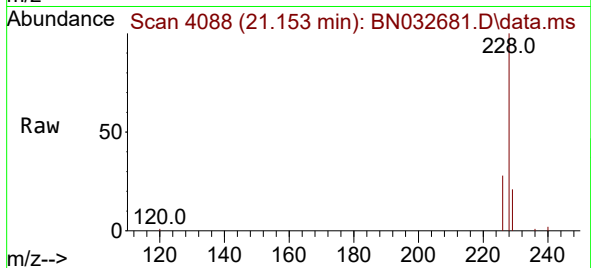
Tgt Ion:202 Resp: 155822  
Ion Ratio Lower Upper  
202 100  
101 14.1 11.8 17.6  
100 11.5 9.6 14.4



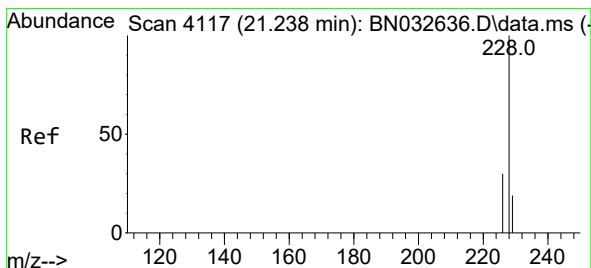
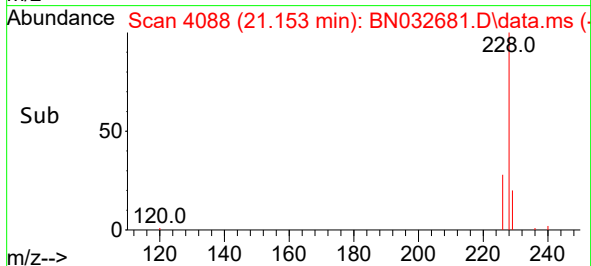
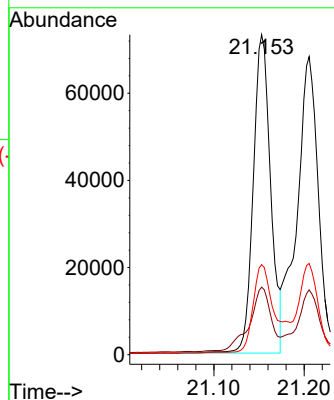


#21  
Benzo(a)anthracene  
Concen: 2.142 ng/ul  
RT: 21.153 min Scan# 4088  
Delta R.T. -0.029 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Instrument :  
BNA\_N  
ClientSampleId :

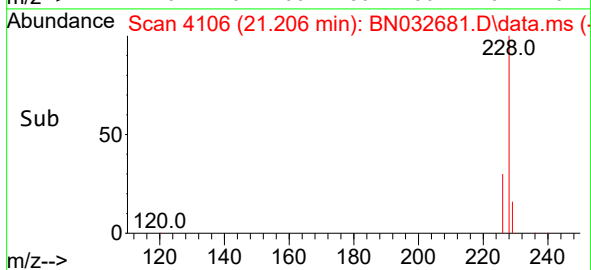
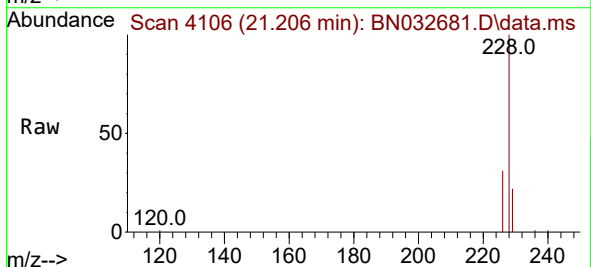
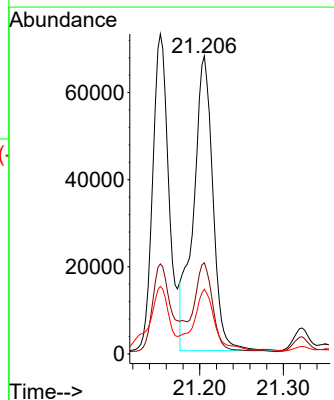


Tgt Ion:228 Resp: 97483  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.1 24.1  
226 28.2 21.9 32.9

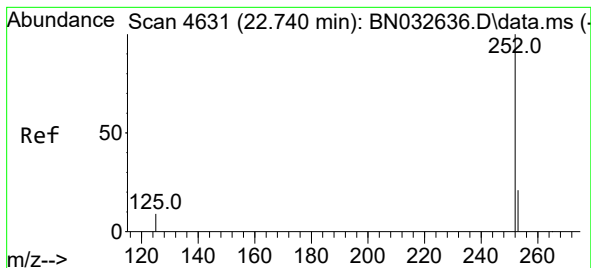


#22  
Chrysene  
Concen: 1.660 ng/ul  
RT: 21.206 min Scan# 4106  
Delta R.T. -0.026 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Tgt Ion:228 Resp: 109288  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.0 36.0  
229 21.7 15.8 23.6







#24

Benzo(b)fluoranthene

Concen: 3.513 ng/ul

RT: 22.707 min Scan# 4620

Delta R.T. -0.026 min

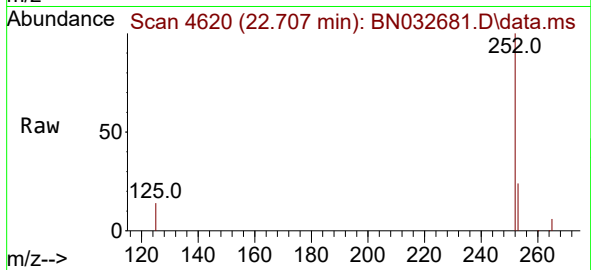
Lab File: BN032681.D

Acq: 12 Jul 2024 20:24

Instrument :

BNA\_N

ClientSampleId :



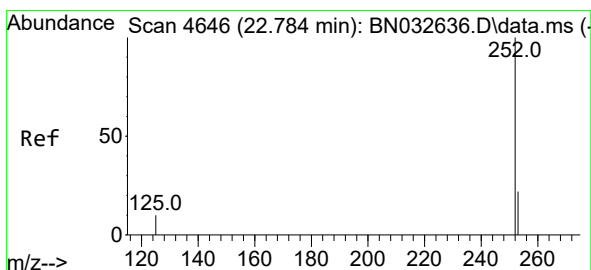
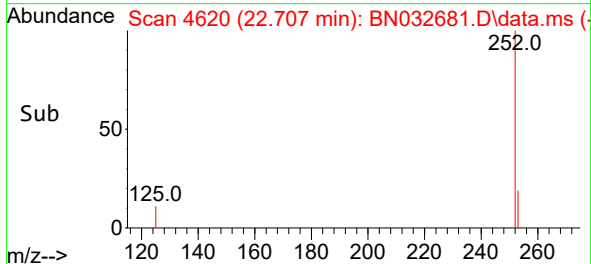
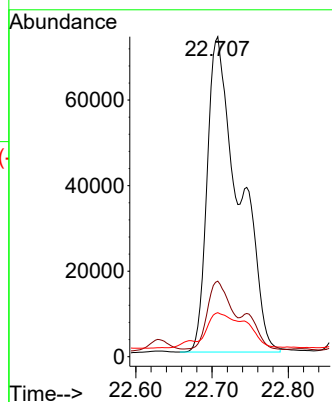
Tgt Ion:252 Resp: 214526

Ion Ratio Lower Upper

252 100

253 23.6 0.0 54.0

125 13.7 0.0 36.0



#25

Benzo(k)fluoranthene

Concen: 0.253 ng/ul

RT: 22.874 min Scan# 4677

Delta R.T. 0.096 min

Lab File: BN032681.D

Acq: 12 Jul 2024 20:24

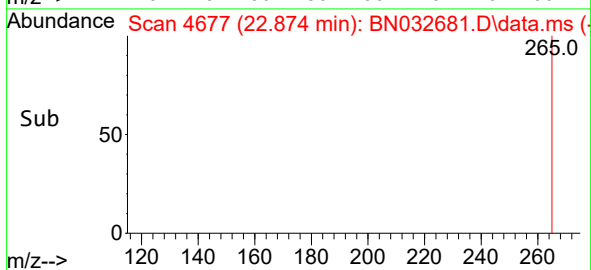
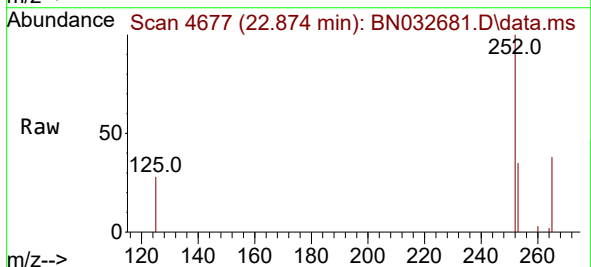
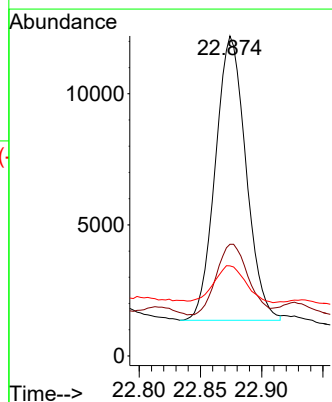
Tgt Ion:252 Resp: 18797

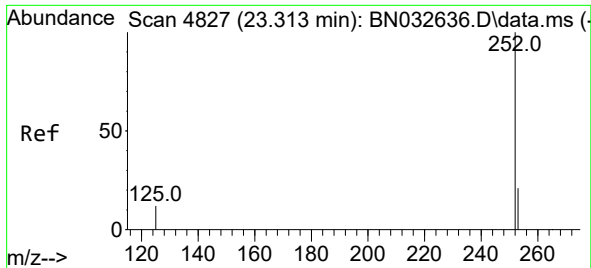
Ion Ratio Lower Upper

252 100

253 34.9 21.2 31.8#

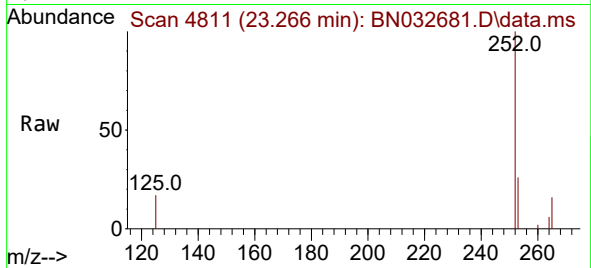
125 28.2 14.8 22.2#



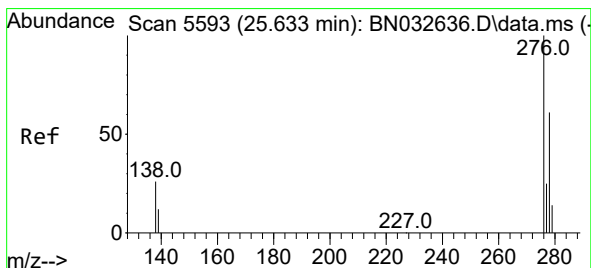
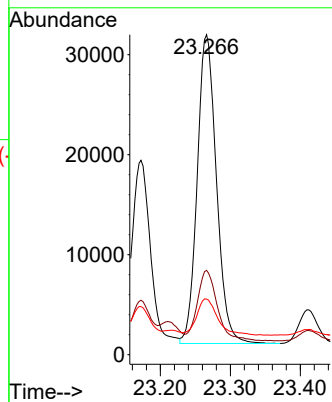
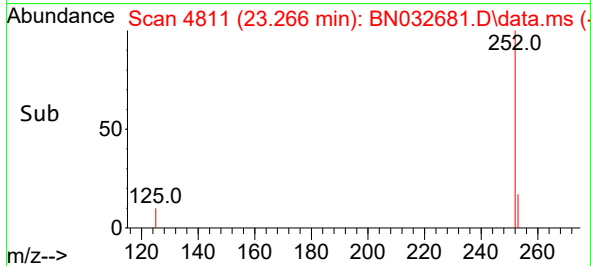


#26  
Benzo(a)pyrene  
Concen: 1.114 ng/ul  
RT: 23.266 min Scan# 4811  
Delta R.T. -0.044 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Instrument :  
BNA\_N  
ClientSampleId :

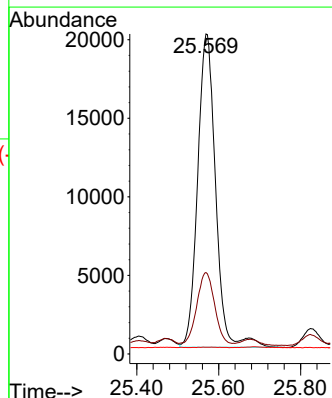
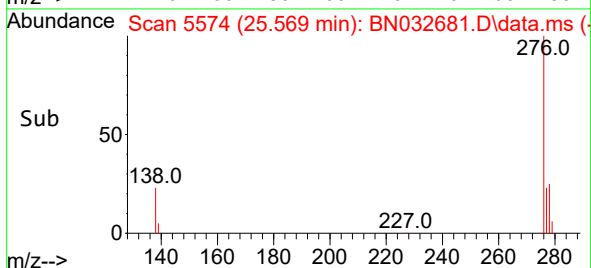
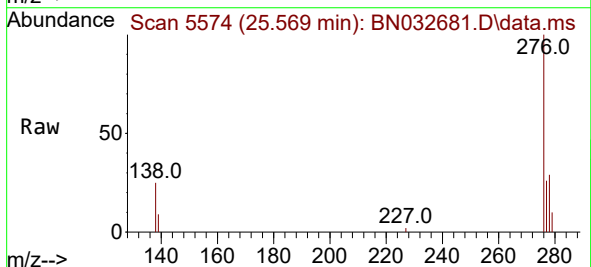


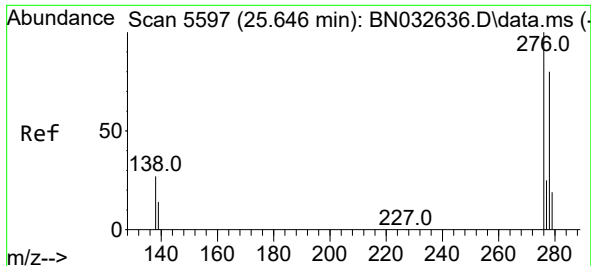
Tgt Ion:252 Resp: 58881  
Ion Ratio Lower Upper  
252 100  
253 26.3 25.4 38.0  
125 17.3 20.6 30.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.849 ng/ul  
RT: 25.569 min Scan# 5574  
Delta R.T. -0.057 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Tgt Ion:276 Resp: 60756  
Ion Ratio Lower Upper  
276 100  
138 22.4 21.6 32.4  
227 0.2 0.0 0.0#

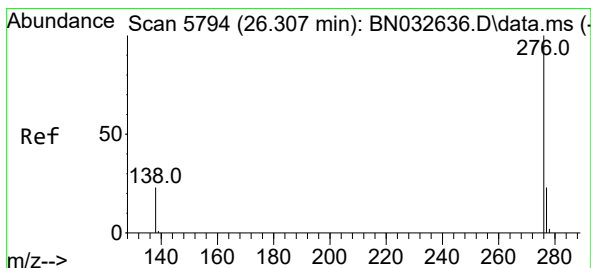
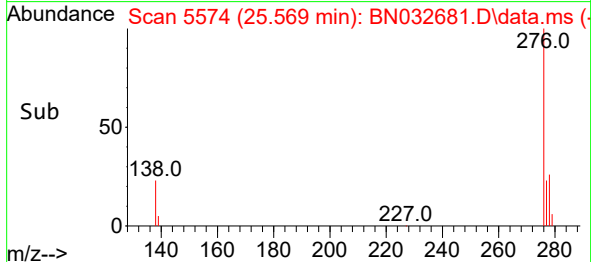
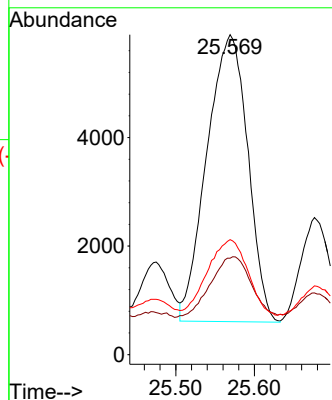
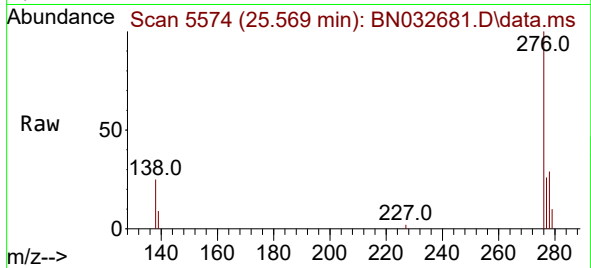




#28  
Dibenzo(a,h)anthracene  
Concen: 0.344 ng/ul  
RT: 25.569 min Scan# 51  
Delta R.T. -0.070 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:278 Resp: 19091  
Ion Ratio Lower Upper  
278 100  
139 30.1 16.6 24.8#  
279 35.9 23.7 35.5#



#29  
Benzo(g,h,i)perylene  
Concen: 0.142 ng/ul  
RT: 26.253 min Scan# 5778  
Delta R.T. -0.047 min  
Lab File: BN032681.D  
Acq: 12 Jul 2024 20:24

Tgt Ion:276 Resp: 8483  
Ion Ratio Lower Upper  
276 100  
138 39.2 21.0 31.4#  
277 38.0 20.6 31.0#

