

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121621\  
 Data File : BN018029.D  
 Acq On : 15 Dec 2021 17:56  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV249

Quant Time: Dec 15 21:27:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN121621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 15 17:47:27 2021  
 Response via : Initial Calibration

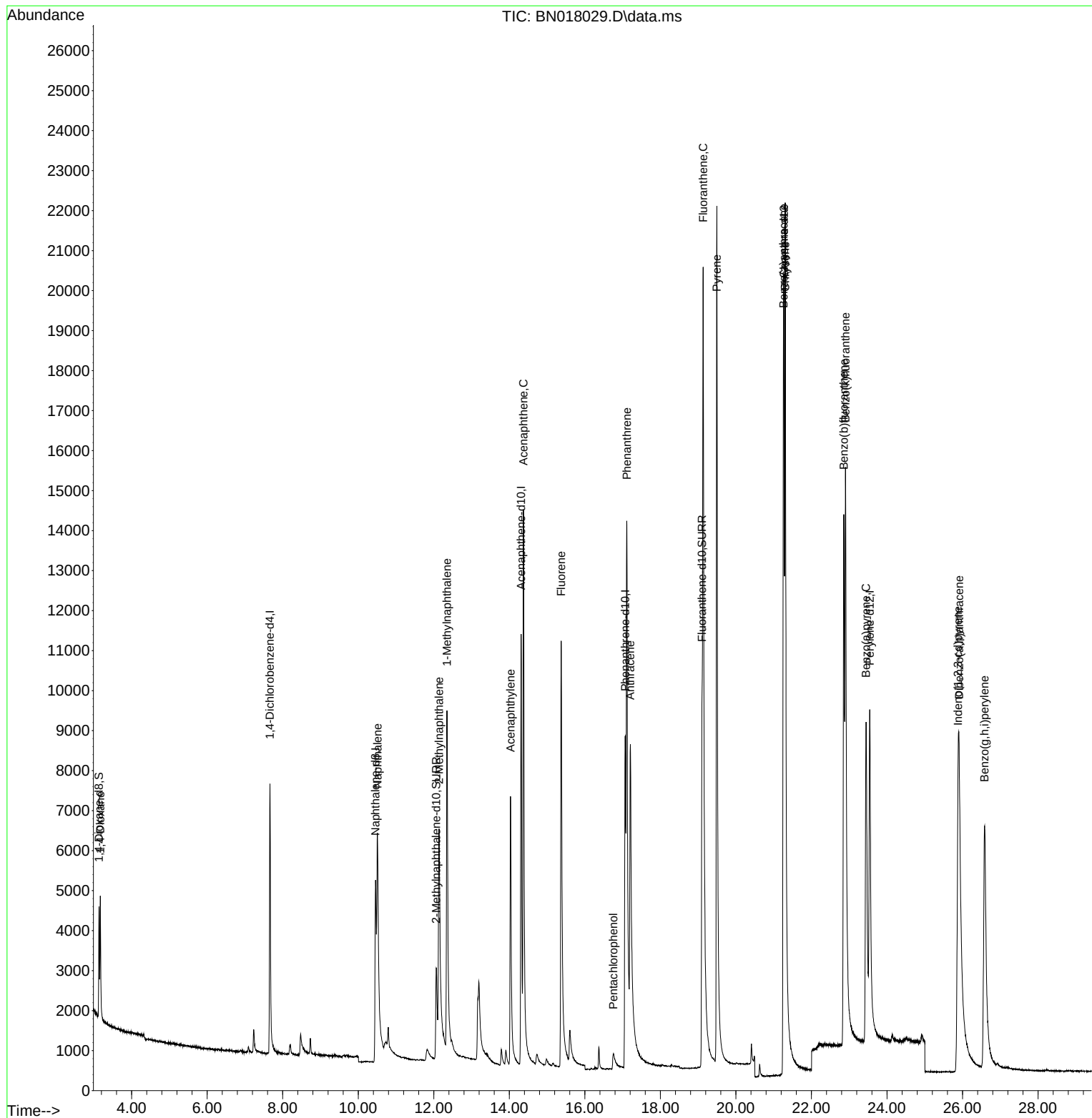
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.662  | 152  | 4288     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.458 | 136  | 12584    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.313 | 164  | 7868     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.070 | 188  | 15464    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.272 | 240  | 16518    | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.543 | 264  | 14240    | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.135  | 96   | 1798     | 0.404 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.064 | 152  | 5647     | 0.385 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.105 | 212  | 19021    | 0.404 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.173  | 88   | 2351     | 0.450 | ng/ul#  | 44       |
| 5) Naphthalene              | 10.508 | 128  | 13112    | 0.380 | ng/ul   | 99       |
| 7) 2-Methylnaphthalene      | 12.141 | 142  | 7448     | 0.384 | ng/ul   | 100      |
| 8) 1-Methylnaphthalene      | 12.350 | 142  | 8622     | 0.383 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.031 | 152  | 12291    | 0.386 | ng/ul   | 99       |
| 11) Acenaphthene            | 14.373 | 153  | 11046    | 0.390 | ng/ul   | 97       |
| 12) Fluorene                | 15.372 | 166  | 12207    | 0.391 | ng/ul   | 100      |
| 14) Pentachlorophenol       | 16.758 | 266  | 746      | 0.276 | ng/ul   | 99       |
| 15) Phenanthrene            | 17.112 | 178  | 20846    | 0.389 | ng/ul   | 99       |
| 16) Anthracene              | 17.205 | 178  | 16392    | 0.389 | ng/ul   | 98       |
| 19) Fluoranthene            | 19.133 | 202  | 26663    | 0.401 | ng/ul   | 99       |
| 20) Pyrene                  | 19.495 | 202  | 30129    | 0.404 | ng/ul   | 94       |
| 21) Benzo(a)anthracene      | 21.257 | 228  | 18177    | 0.370 | ng/ul   | 99       |
| 22) Chrysene                | 21.304 | 228  | 27898    | 0.396 | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 22.856 | 252  | 22463    | 0.395 | ng/ul   | 85       |
| 25) Benzo(k)fluoranthene    | 22.903 | 252  | 29001    | 0.382 | ng/ul#  | 82       |
| 26) Benzo(a)pyrene          | 23.446 | 252  | 21004    | 0.382 | ng/ul#  | 82       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.880 | 276  | 22822    | 0.369 | ng/ul#  | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.910 | 278  | 16503    | 0.365 | ng/ul#  | 86       |
| 29) Benzo(g,h,i)perylene    | 26.581 | 276  | 20988    | 0.396 | ng/ul#  | 88       |
| -----                       |        |      |          |       |         |          |

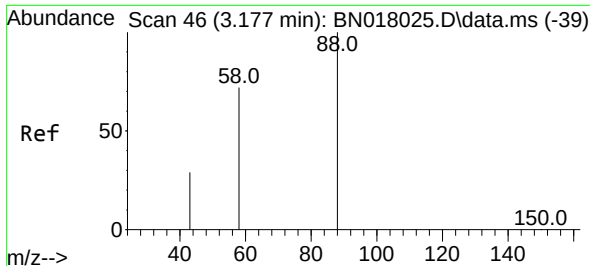
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121621\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 15 17:47:27 2021  
Response via : Initial Calibration

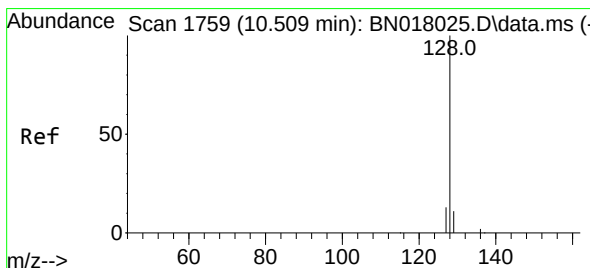
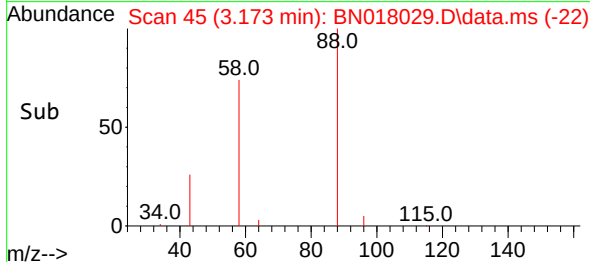
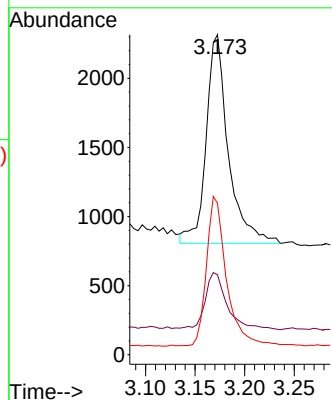
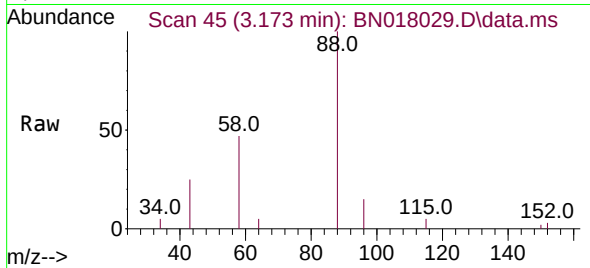




#2  
1,4-Dioxane  
Concen: 0.450 ng/ul  
RT: 3.173 min Scan# 41  
Delta R.T. -0.004 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

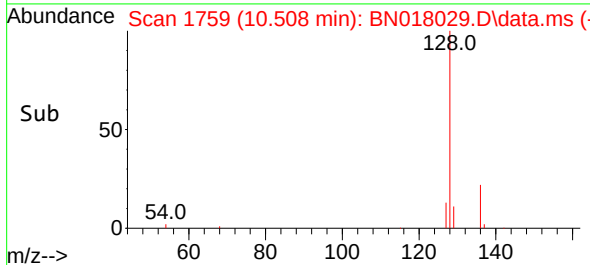
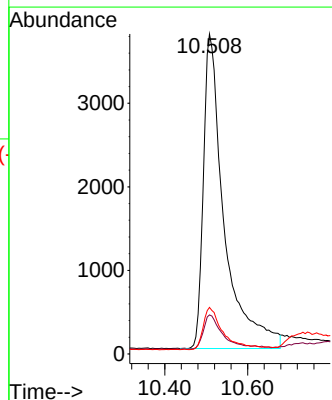
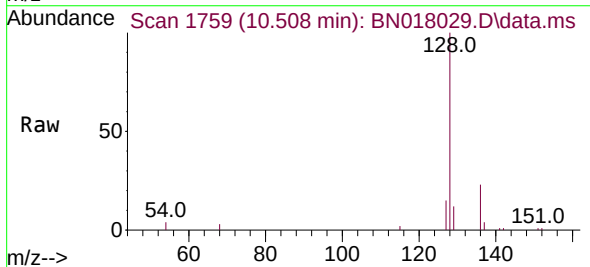
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BNA\_N  
ClientSampleId :  
SICV249

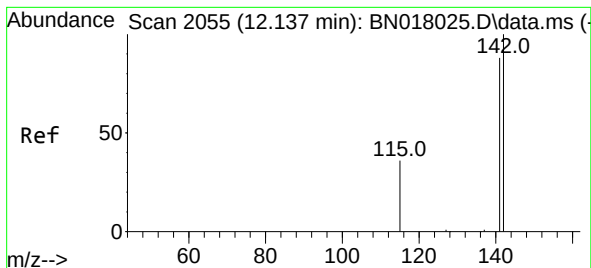
Tgt Ion: 88 Resp: 2351  
Ion Ratio Lower Upper  
88 100  
43 25.0 85.8 128.6#  
58 47.4 43.4 65.0



#5  
Naphthalene  
Concen: 0.380 ng/ul  
RT: 10.508 min Scan# 1759  
Delta R.T. -0.001 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion: 128 Resp: 13112  
Ion Ratio Lower Upper  
128 100  
129 12.2 10.4 15.6  
127 14.6 11.8 17.6





#7

2-Methylnaphthalene

Concen: 0.384 ng/ul

RT: 12.141 min Scan# 2056

Delta R.T. 0.004 min

Lab File: BN018029.D

Acq: 15 Dec 2021 17:56

Instrument :

BNA\_N

ClientSampleId :

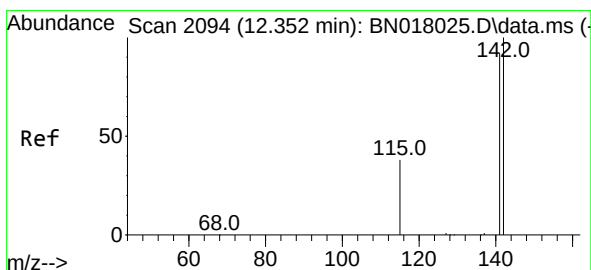
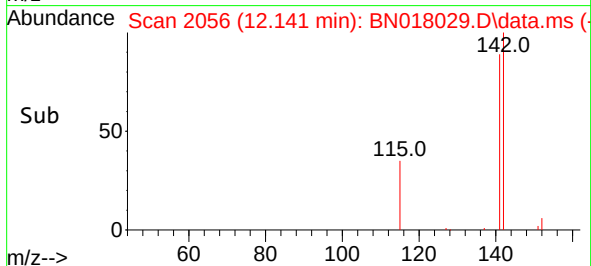
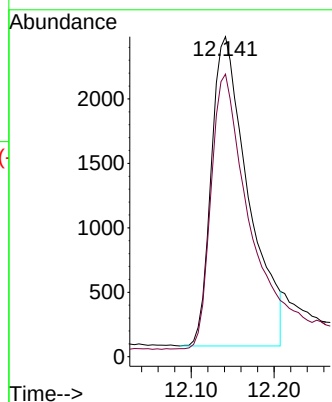
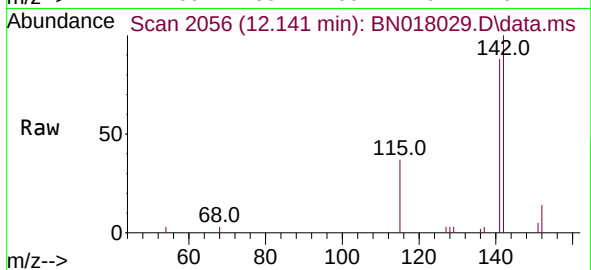
SICV249

Tgt Ion:142 Resp: 7448

Ion Ratio Lower Upper

142 100

141 89.2 71.5 107.3



#8

1-Methylnaphthalene

Concen: 0.383 ng/ul

RT: 12.350 min Scan# 2094

Delta R.T. -0.001 min

Lab File: BN018029.D

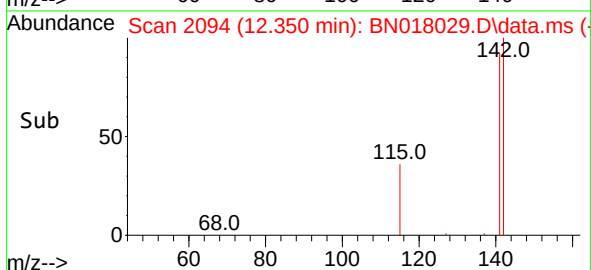
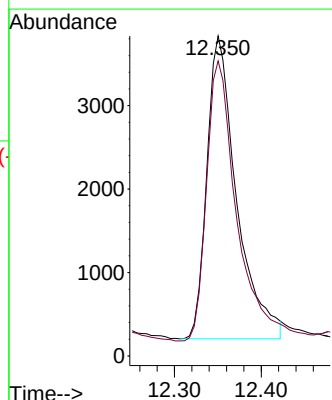
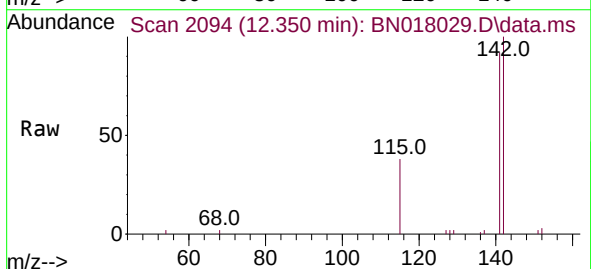
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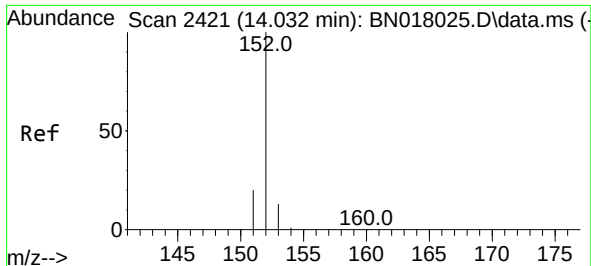
Tgt Ion:142 Resp: 8622

Ion Ratio Lower Upper

142 100

141 92.8 73.3 109.9

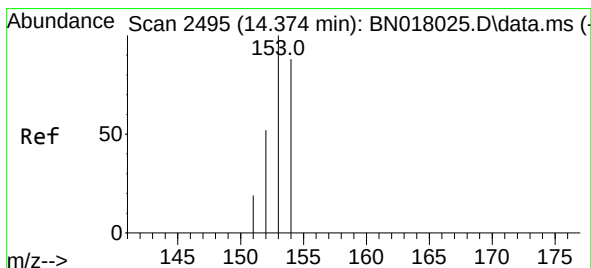
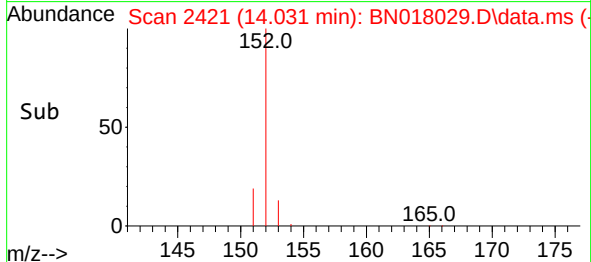
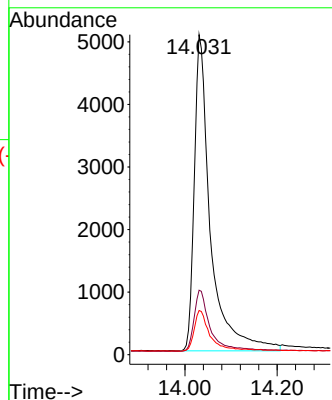
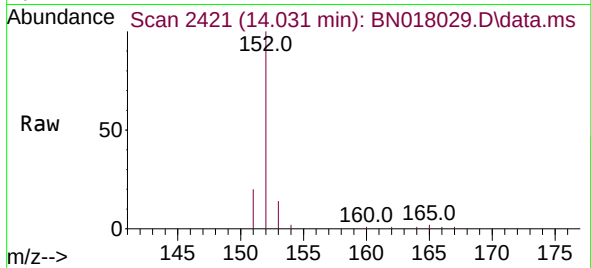




#10  
Acenaphthylene  
Concen: 0.386 ng/ul  
RT: 14.031 min Scan# 2421  
Delta R.T. -0.001 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

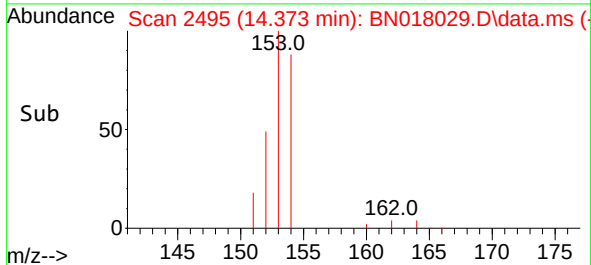
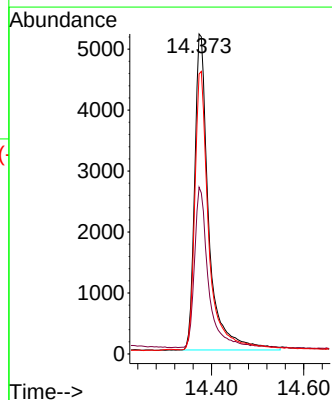
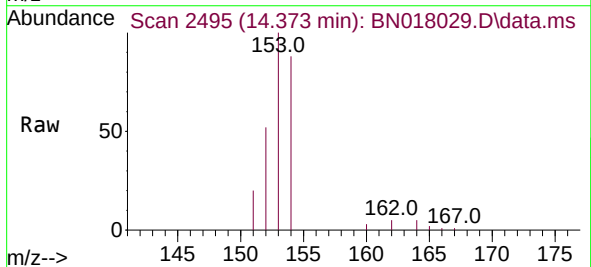
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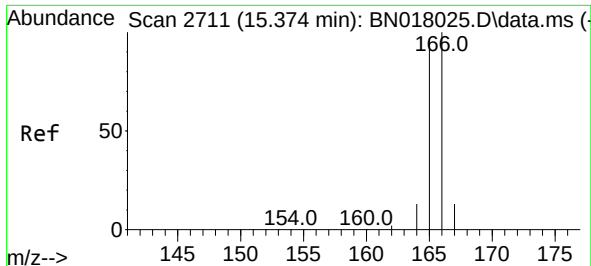
Tgt Ion:152 Resp: 12291  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.4 24.6  
153 13.8 11.1 16.7



#11  
Acenaphthene  
Concen: 0.390 ng/ul  
RT: 14.373 min Scan# 2495  
Delta R.T. -0.001 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:153 Resp: 11046  
Ion Ratio Lower Upper  
153 100  
152 52.1 38.3 57.5  
154 87.5 71.1 106.7

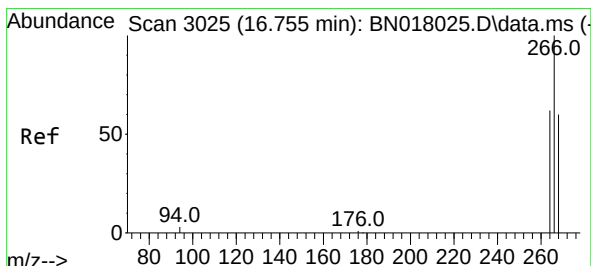
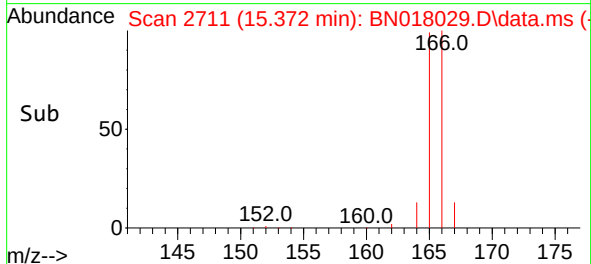
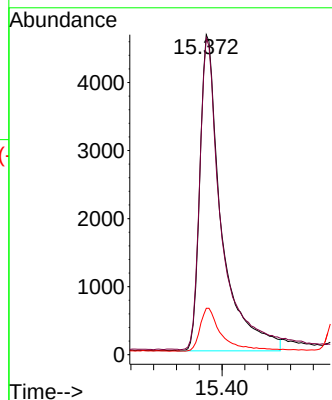
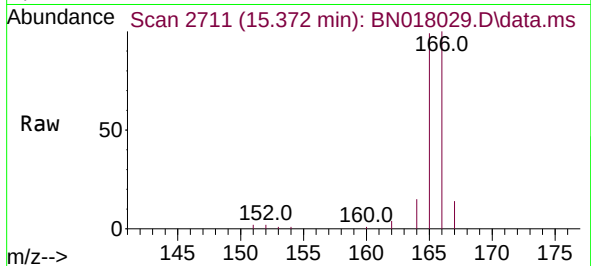




#12  
Fluorene  
Concen: 0.391 ng/ul  
RT: 15.372 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

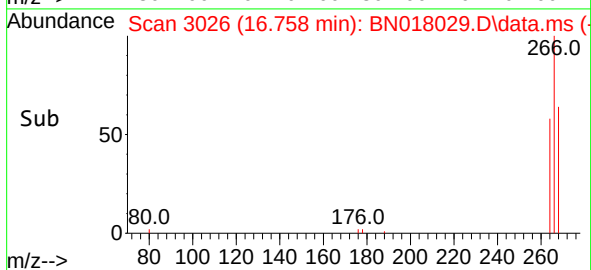
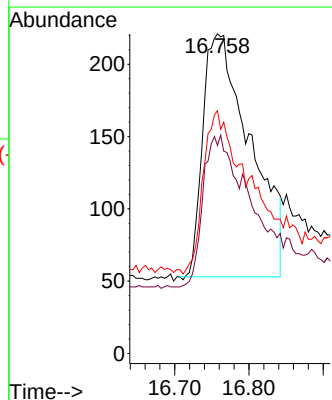
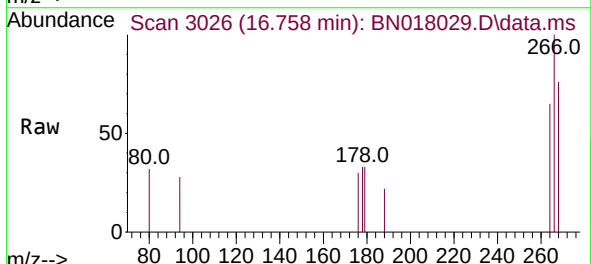
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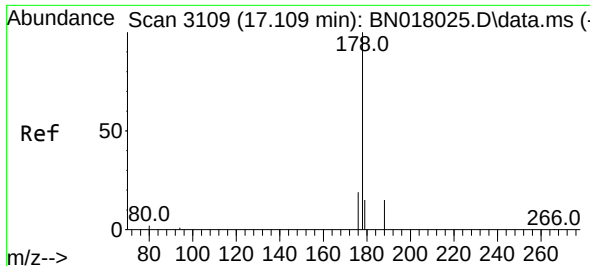
Tgt Ion:166 Resp: 12207  
Ion Ratio Lower Upper  
166 100  
165 99.0 79.2 118.8  
167 14.5 11.2 16.8



#14  
Pentachlorophenol  
Concen: 0.276 ng/ul  
RT: 16.758 min Scan# 3026  
Delta R.T. 0.003 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:266 Resp: 746  
Ion Ratio Lower Upper  
266 100  
264 61.3 50.3 75.5  
268 64.6 52.2 78.4

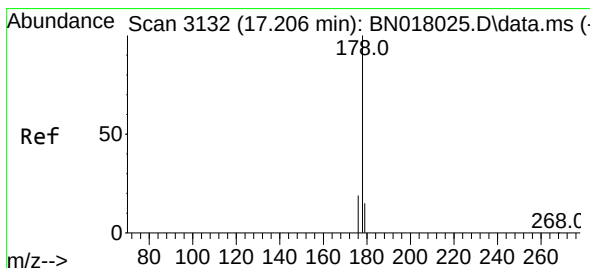
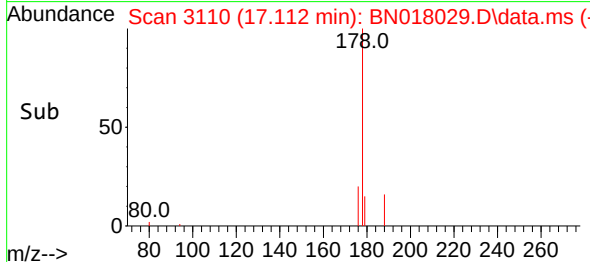
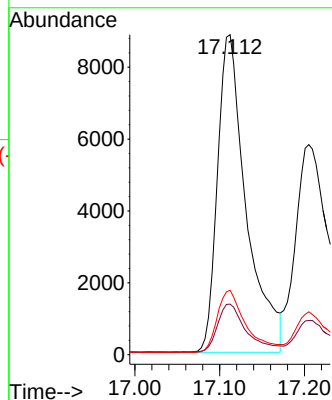
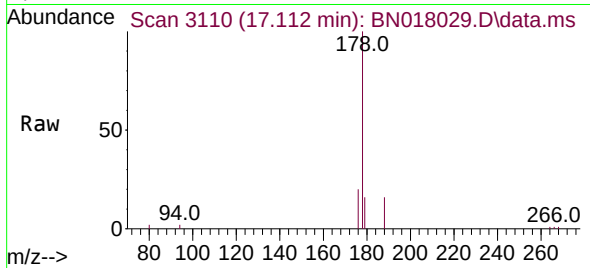




#15  
Phenanthrene  
Concen: 0.389 ng/ul  
RT: 17.112 min Scan# 3110  
Delta R.T. 0.003 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

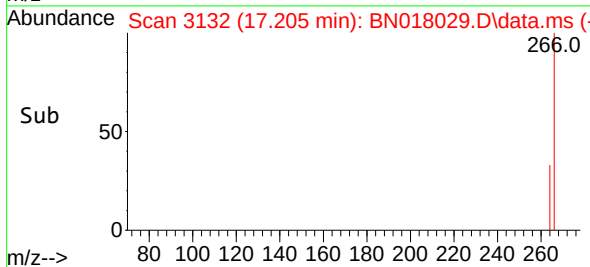
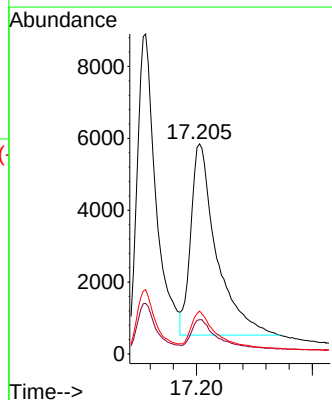
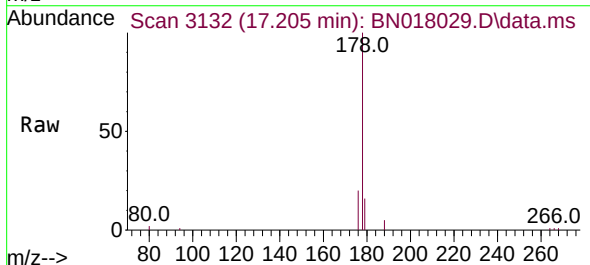
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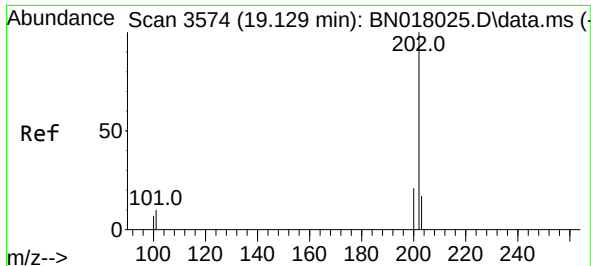
Tgt Ion:178 Resp: 20846  
Ion Ratio Lower Upper  
178 100  
179 15.8 13.0 19.4  
176 20.1 15.6 23.4



#16  
Anthracene  
Concen: 0.389 ng/ul  
RT: 17.205 min Scan# 3132  
Delta R.T. -0.001 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:178 Resp: 16392  
Ion Ratio Lower Upper  
178 100  
179 16.3 13.3 19.9  
176 20.4 15.1 22.7

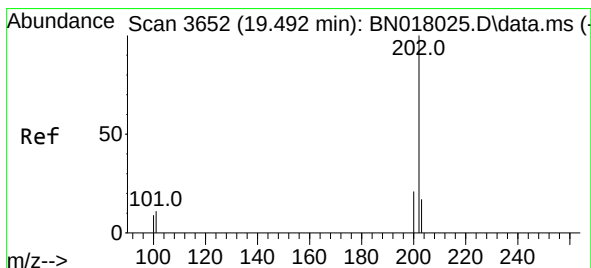
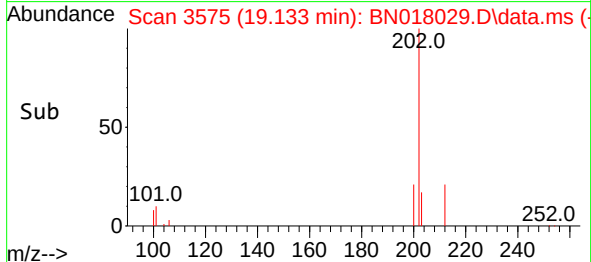
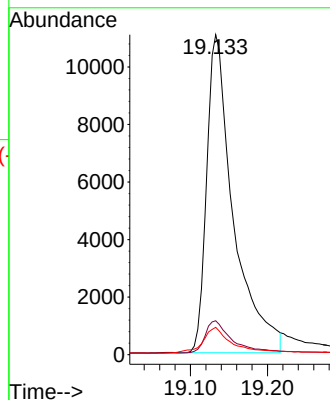
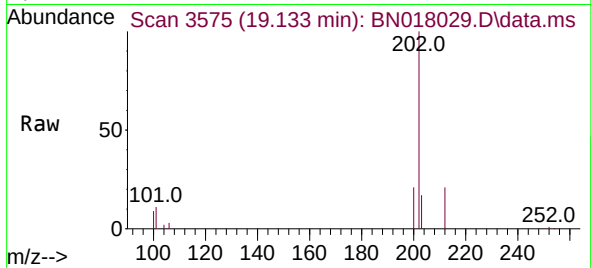




#19  
Fluoranthene  
Concen: 0.401 ng/u1  
RT: 19.133 min Scan# 3575  
Delta R.T. 0.003 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

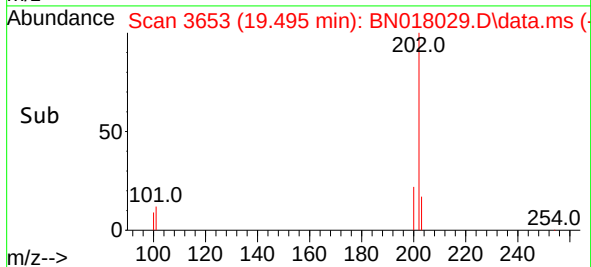
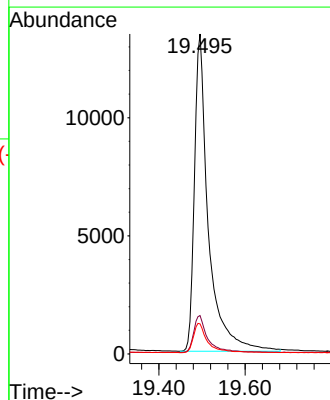
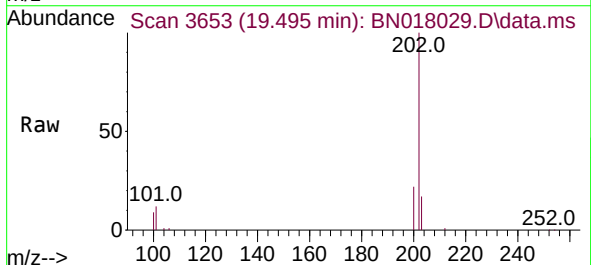
Instrument :  
BNA\_N  
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SICV249

Tgt Ion:202 Resp: 26663  
Ion Ratio Lower Upper  
202 100  
101 10.6 9.0 13.4  
100 8.5 6.8 10.2

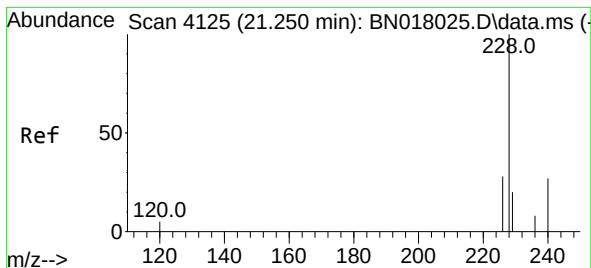


#20  
Pyrene  
Concen: 0.404 ng/u1  
RT: 19.495 min Scan# 3653  
Delta R.T. 0.003 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:202 Resp: 30129  
Ion Ratio Lower Upper  
202 100  
101 12.0 11.4 17.2  
100 9.4 9.4 14.0







#21

Benzo(a)anthracene

Concen: 0.370 ng/ul

RT: 21.257 min Scan# 4112

Delta R.T. 0.007 min

Lab File: BN018029.D

Acq: 15 Dec 2021 17:56

Instrument :

BNA\_N

ClientSampleId :

SICV249

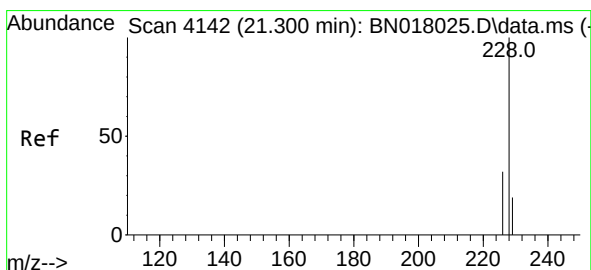
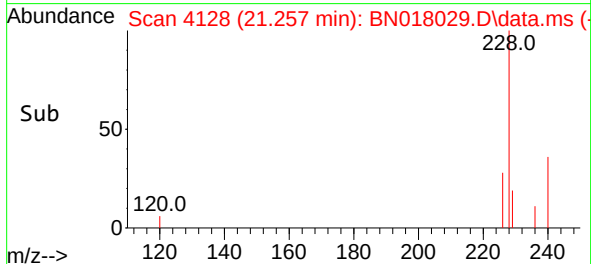
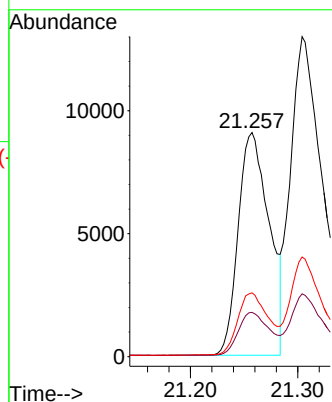
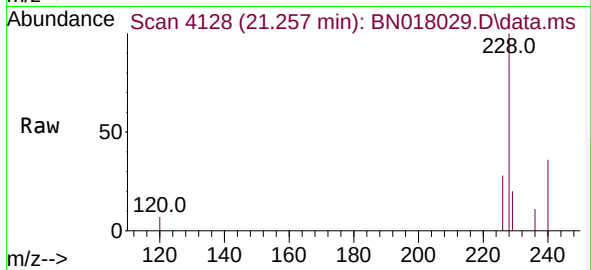
Tgt Ion:228 Resp: 18177

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

226 28.5 21.8 32.8



#22

Chrysene

Concen: 0.396 ng/ul

RT: 21.304 min Scan# 4144

Delta R.T. 0.005 min

Lab File: BN018029.D

Acq: 15 Dec 2021 17:56

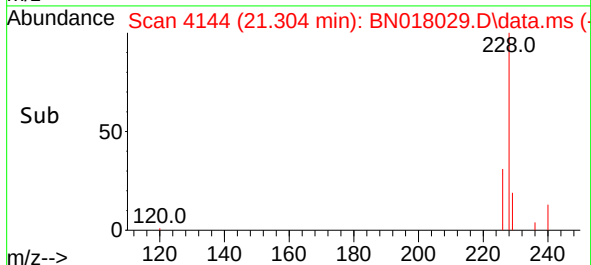
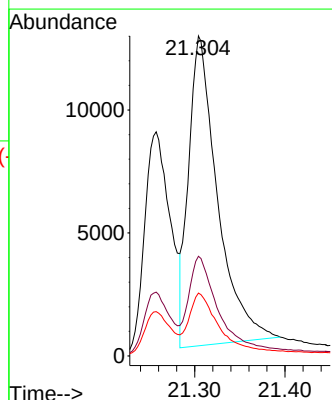
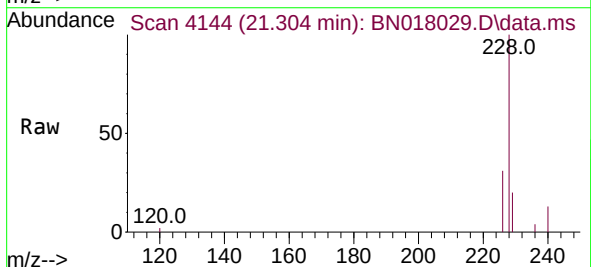
Tgt Ion:228 Resp: 27898

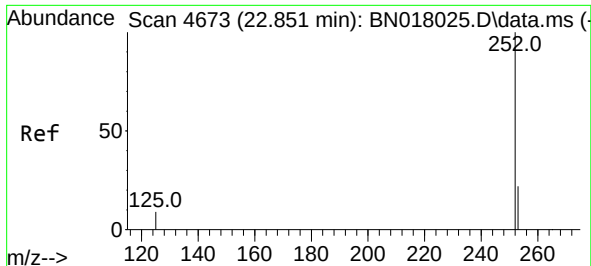
Ion Ratio Lower Upper

228 100

226 31.2 23.9 35.9

229 19.6 15.7 23.5

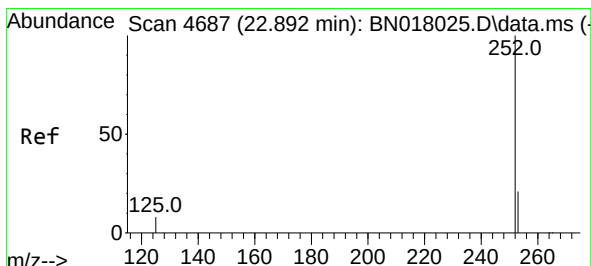
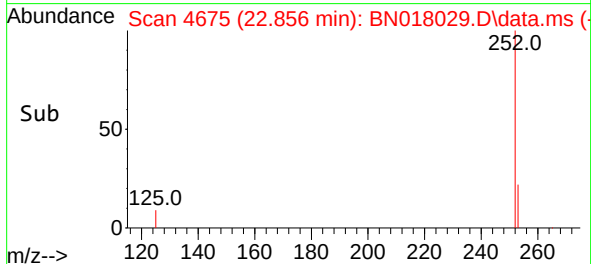
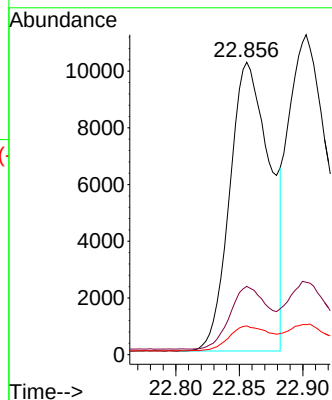
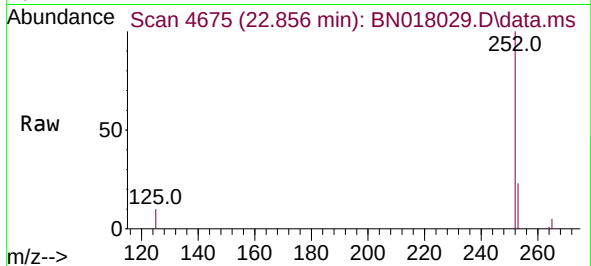




#24  
Benzo(b)fluoranthene  
Concen: 0.395 ng/ul  
RT: 22.856 min Scan# 4675  
Delta R.T. 0.004 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

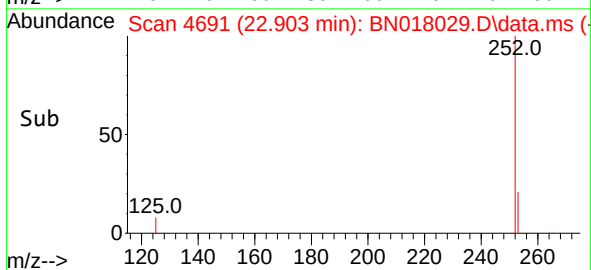
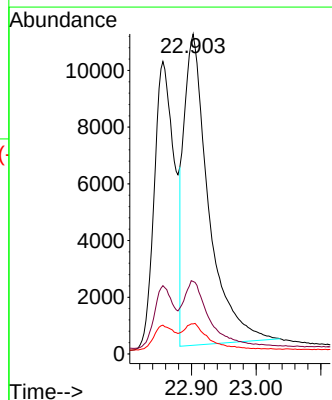
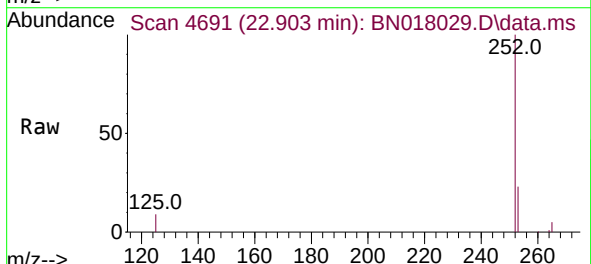
Instrument :  
BNA\_N  
ClientSampleId :  
SICV249

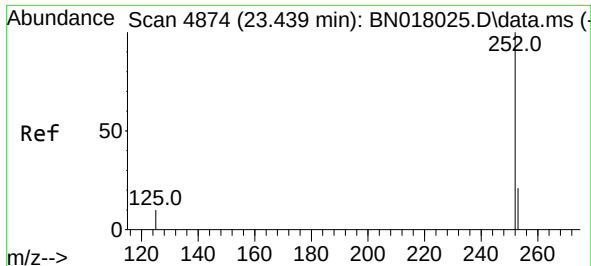
Tgt Ion:252 Resp: 22463  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 57.6  
125 9.9 0.0 39.0



#25  
Benzo(k)fluoranthene  
Concen: 0.382 ng/ul  
RT: 22.903 min Scan# 4691  
Delta R.T. 0.010 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:252 Resp: 29001  
Ion Ratio Lower Upper  
252 100  
253 22.7 23.1 34.7#  
125 9.4 17.1 25.7#

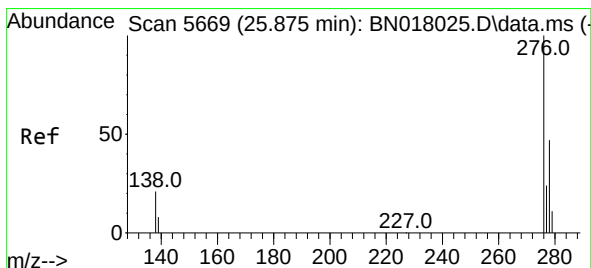
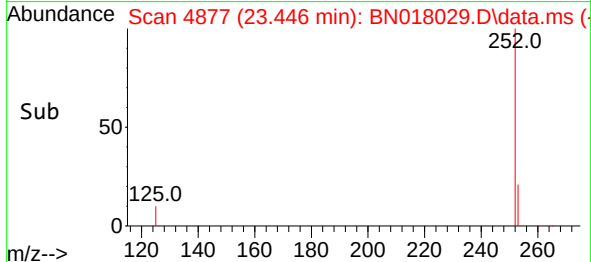
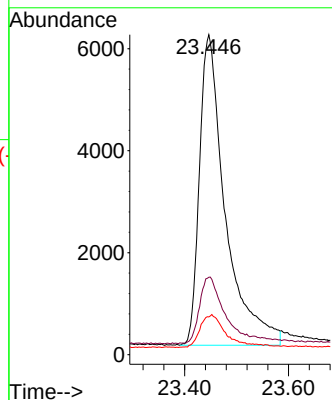
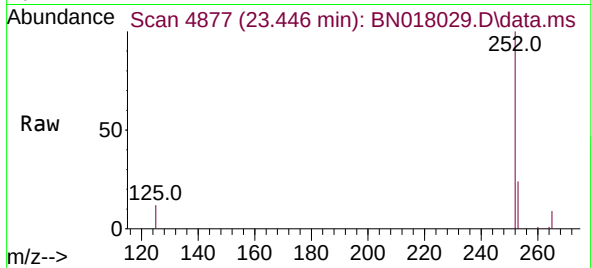




#26  
Benzo(a)pyrene  
Concen: 0.382 ng/ul  
RT: 23.446 min Scan# 41  
Delta R.T. 0.007 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

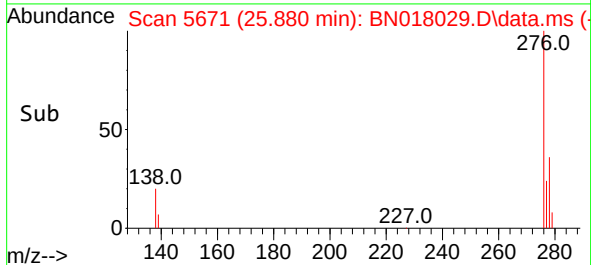
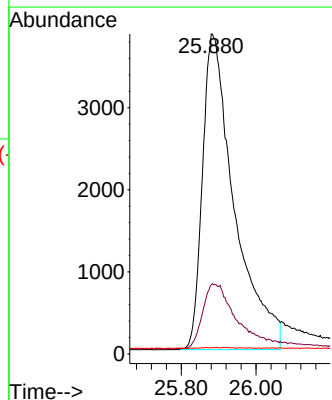
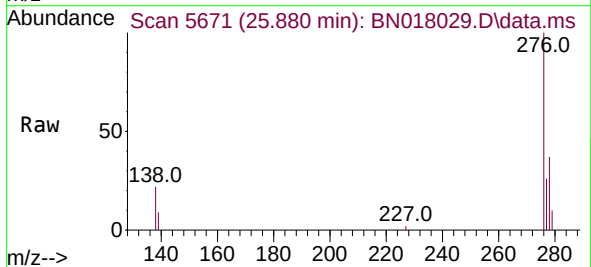
Instrument :  
BNA\_N  
ClientSampleId :  
SICV249

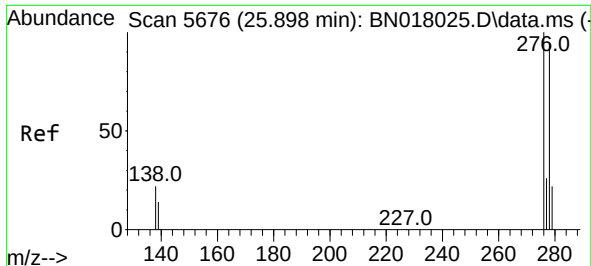
Tgt Ion:252 Resp: 21004  
Ion Ratio Lower Upper  
252 100  
253 24.2 25.0 37.4#  
125 11.8 19.3 28.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.369 ng/ul  
RT: 25.880 min Scan# 5671  
Delta R.T. 0.005 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:276 Resp: 22822  
Ion Ratio Lower Upper  
276 100  
138 22.2 0.1 0.1#  
227 0.0 0.0 0.0#

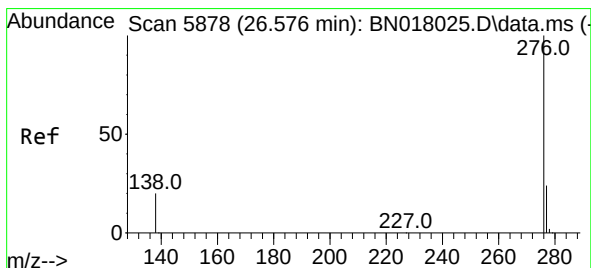
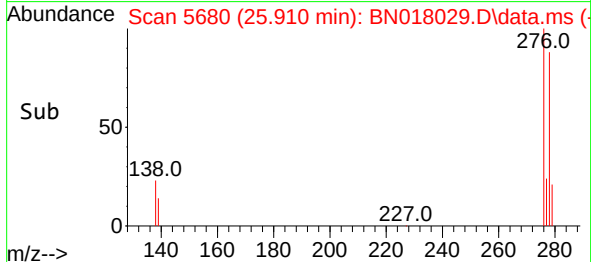
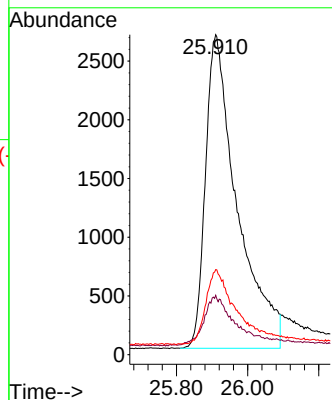
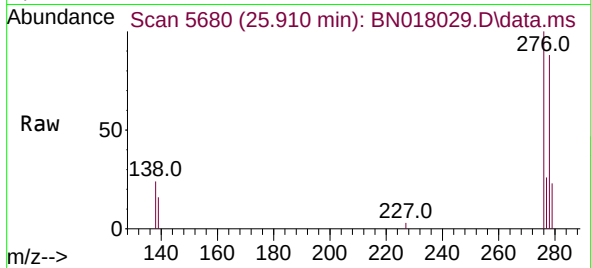




#28  
Dibenzo(a,h)anthracene  
Concen: 0.365 ng/ul  
RT: 25.910 min Scan# 5680  
Delta R.T. 0.012 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Instrument :  
BNA\_N  
ClientSampleId :  
SICV249

Tgt Ion:278 Resp: 16503  
Ion Ratio Lower Upper  
278 100  
139 18.5 21.8 32.8#  
279 26.6 26.3 39.5



#29  
Benzo(g,h,i)perylene  
Concen: 0.396 ng/ul  
RT: 26.581 min Scan# 5880  
Delta R.T. 0.005 min  
Lab File: BN018029.D  
Acq: 15 Dec 2021 17:56

Tgt Ion:276 Resp: 20988  
Ion Ratio Lower Upper  
276 100  
138 20.2 24.5 36.7#  
277 24.1 21.2 31.8

