

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060824\  
 Data File : BN031853.D  
 Acq On : 08 Jun 2024 11:16  
 Operator : MA/JU  
 Sample : P2634-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHBW8

Quant Time: Jun 10 01:40:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 15:13:07 2024  
 Response via : Initial Calibration

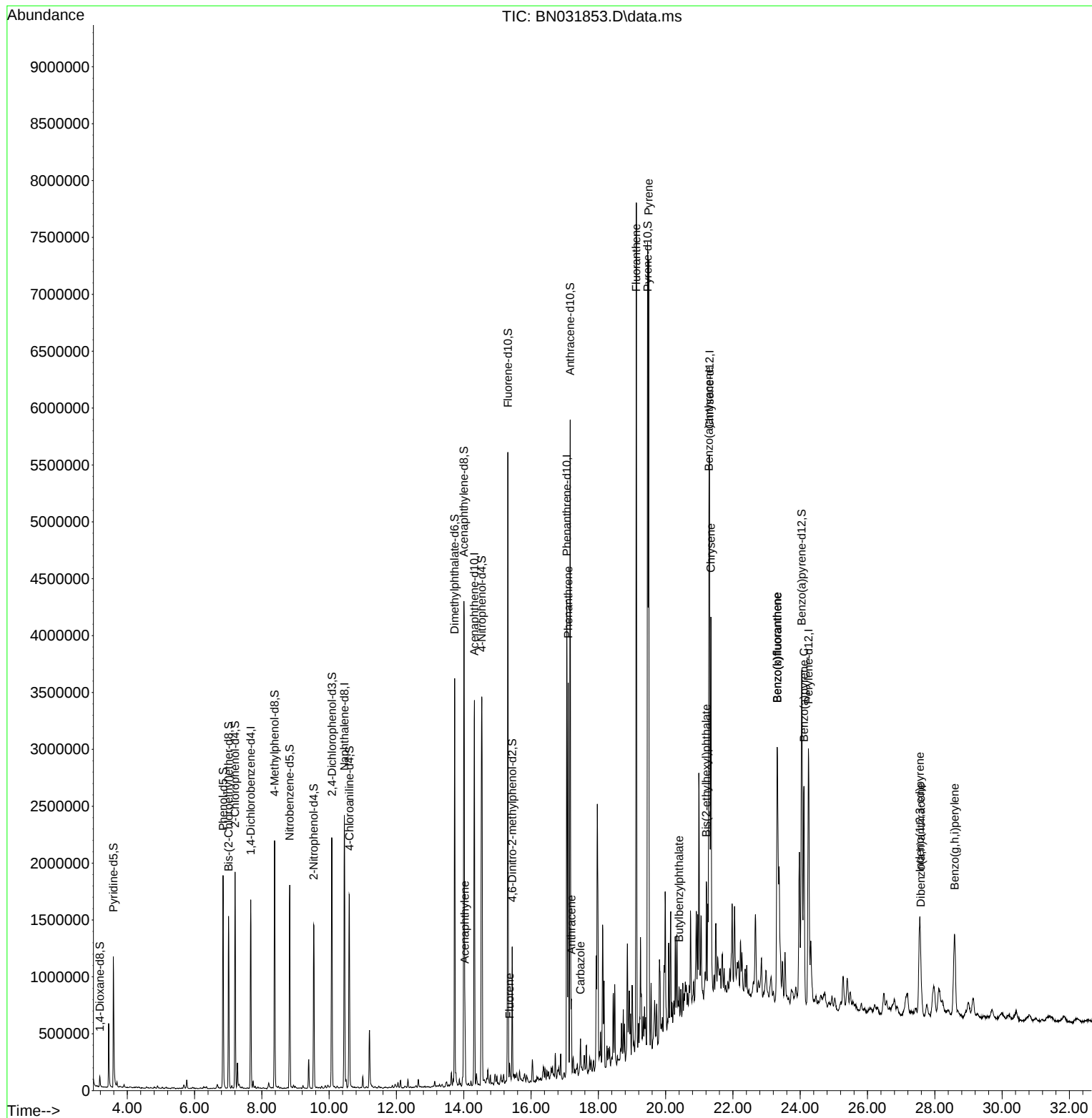
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.669  | 152  | 457735   | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.451 | 136  | 2016396  | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.316 | 164  | 1221426  | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.063 | 188  | 2521806  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1780379  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.245 | 264  | 1967948  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 53248    | 4.813  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.587  | 84   | 690271   | 22.163 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.846  | 99   | 1147189  | 29.235 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.011  | 67   | 629738   | 27.436 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 937707   | 31.318 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.375  | 113  | 892882   | 27.914 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.828  | 128  | 472842   | 30.669 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.540  | 143  | 523387   | 32.864 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.081 | 165  | 875143   | 29.434 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.599 | 131  | 1012999  | 22.947 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.728 | 166  | 2437918  | 28.650 | ng/u1  | -0.02    |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 2916191  | 29.805 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 443317   | 26.020 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.310 | 176  | 2144262  | 29.782 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200  | 248538   | 19.607 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.163 | 188  | 3231852  | 29.934 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 3460395  | 36.321 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264  | 2711848  | 28.859 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.034 | 152  | 436530   | 3.948  | ng/u1  | 97       |
| 61) Fluorene                  | 15.363 | 166  | 86171    | 1.077  | ng/u1  | 96       |
| 72) Phenanthrene              | 17.104 | 178  | 2095155  | 16.309 | ng/u1  | 99       |
| 74) Anthracene                | 17.198 | 178  | 445221   | 3.420  | ng/u1  | 99       |
| 77) Carbazole                 | 17.469 | 167  | 173683   | 1.565  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.128 | 202  | 4356449  | 38.262 | ng/u1  | 98       |
| 82) Pyrene                    | 19.492 | 202  | 4267024  | 36.527 | ng/u1  | 97       |
| 83) Butylbenzylphthalate      | 20.398 | 149  | 82730    | 1.499  | ng/u1  | 95       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 2033779  | 17.066 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.210 | 149  | 402598   | 5.006  | ng/u1  | 99       |
| 87) Chrysene                  | 21.345 | 228  | 2147801  | 19.295 | ng/u1  | 95       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 2529601  | 21.505 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.316 | 252  | 2529601  | 21.915 | ng/u1  | 100      |
| 93) Benzo(a)pyrene            | 24.110 | 252  | 1837434  | 16.678 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.556 | 276  | 1270808  | 10.010 | ng/u1  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.580 | 278  | 178490   | 1.722  | ng/u1# | 93       |
| 96) Benzo(g,h,i)perylene      | 28.586 | 276  | 1223381  | 12.122 | ng/u1  | 95       |
| -----                         |        |      |          |        |        |          |

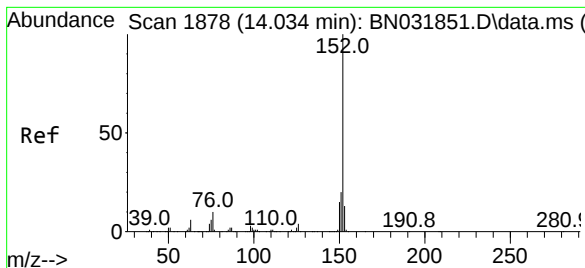
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060824\  
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Quant Time: Jun 10 01:40:45 2024  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
Response via : Initial Calibration

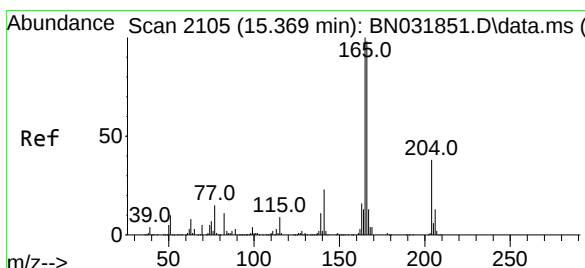
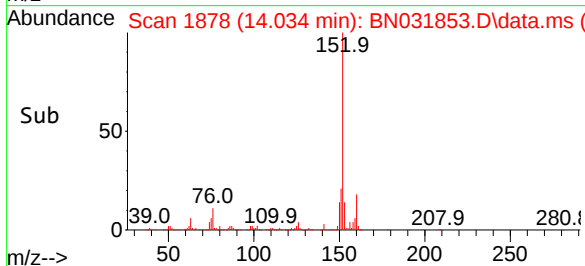
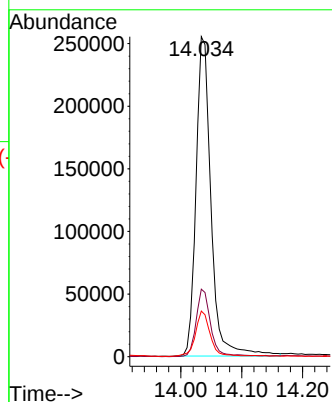
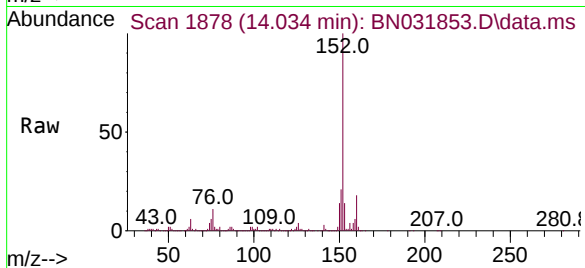




#50  
Acenaphthylene  
Concen: 3.948 ng/ul  
RT: 14.034 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN031853.D  
Acq: 08 Jun 2024 11:16

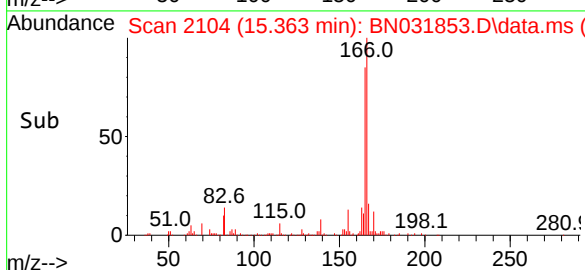
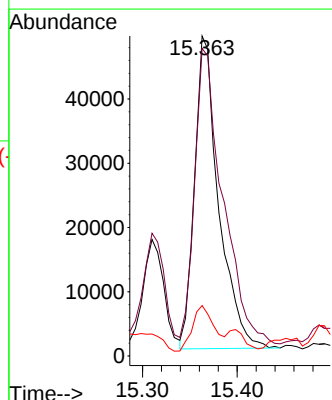
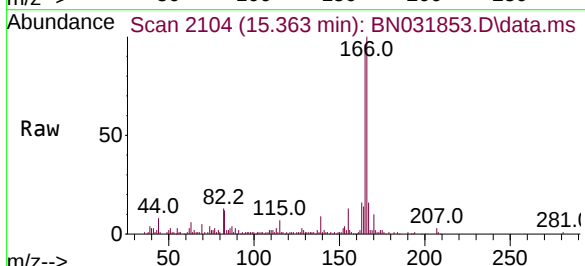
Instrument :  
BNA\_N  
ClientSampleId :  
BHBW8

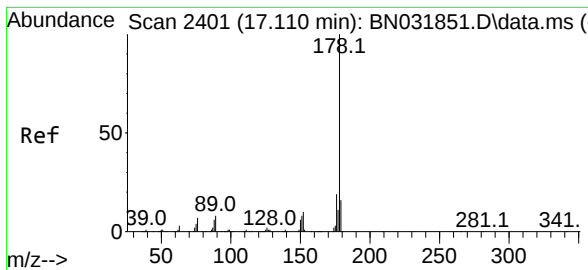
Tgt Ion:152 Resp: 436530  
Ion Ratio Lower Upper  
152 100  
151 21.1 15.9 23.9  
153 14.2 10.4 15.6



#61  
Fluorene  
Concen: 1.077 ng/ul  
RT: 15.363 min Scan# 2104  
Delta R.T. -0.012 min  
Lab File: BN031853.D  
Acq: 08 Jun 2024 11:16

Tgt Ion:166 Resp: 86171  
Ion Ratio Lower Upper  
166 100  
165 96.1 80.3 120.5  
167 15.7 11.3 16.9





#72

Phenanthrene

Concen: 16.309 ng/u1

RT: 17.104 min Scan# 2400

Delta R.T. -0.012 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

Instrument :

BNA\_N

ClientSampleId :

BHBW8

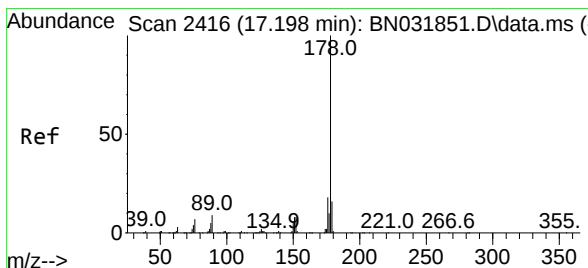
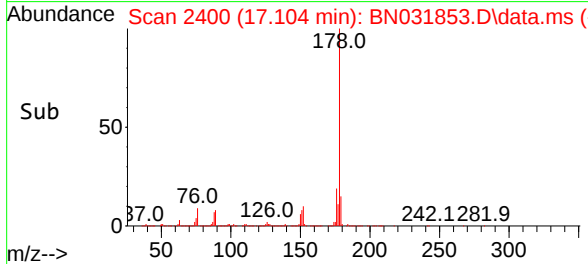
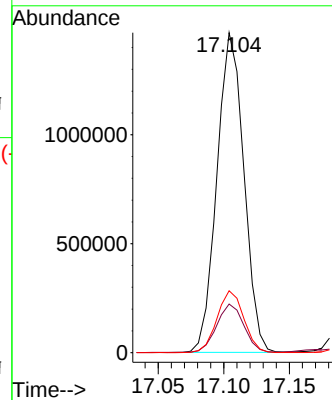
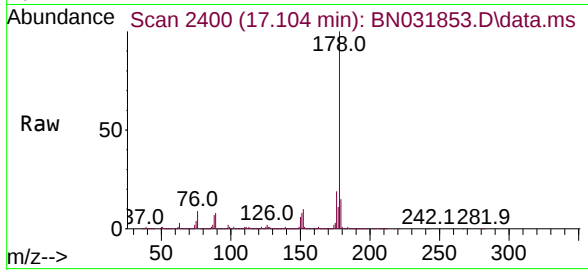
Tgt Ion:178 Resp: 2095155

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

176 19.4 15.8 23.6



#74

Anthracene

Concen: 3.420 ng/u1

RT: 17.198 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

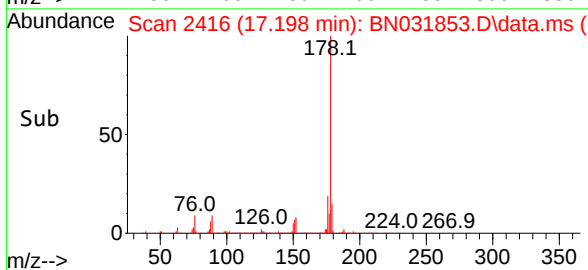
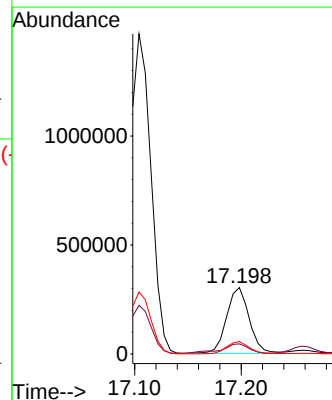
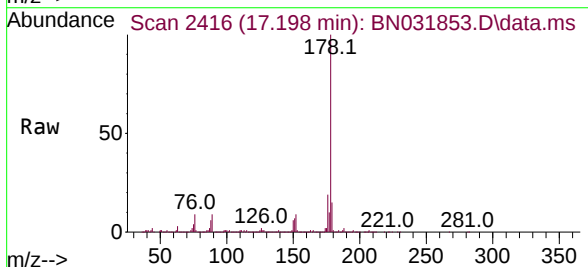
Tgt Ion:178 Resp: 445221

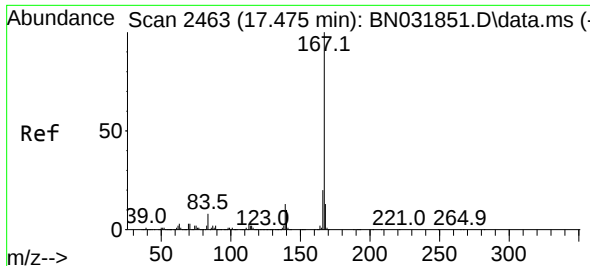
Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.6

176 18.6 14.8 22.2

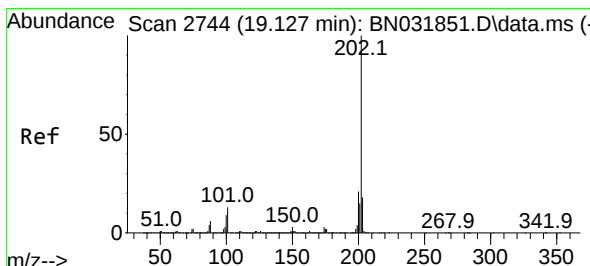
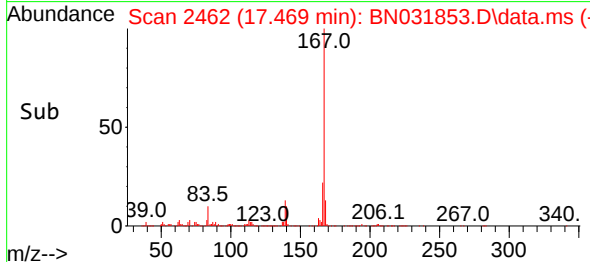
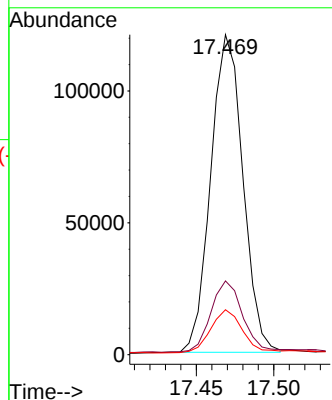
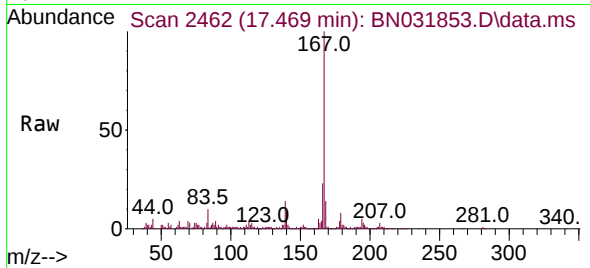




#77  
 Carbazole  
 Concen: 1.565 ng/ul  
 RT: 17.469 min Scan# 2462  
 Delta R.T. -0.006 min  
 Lab File: BN031853.D  
 Acq: 08 Jun 2024 11:16

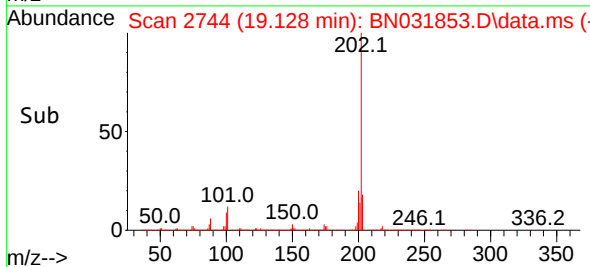
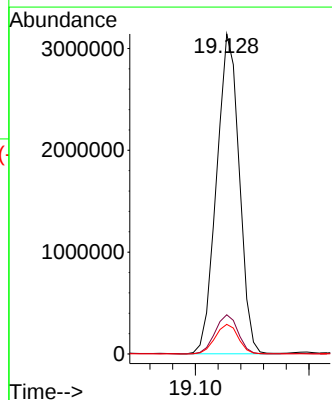
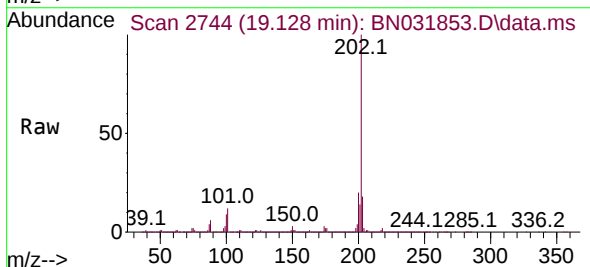
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHBW8

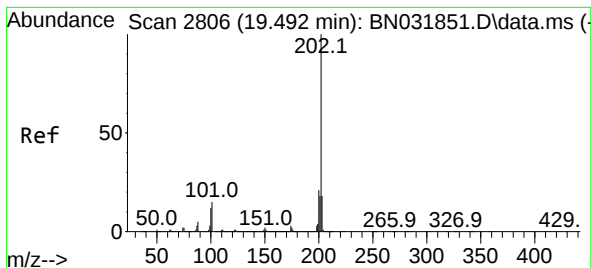
Tgt Ion:167 Resp: 173683  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 17.9 26.9  
 139 14.0 10.5 15.7



#80  
 Fluoranthene  
 Concen: 38.262 ng/ul  
 RT: 19.128 min Scan# 2744  
 Delta R.T. -0.006 min  
 Lab File: BN031853.D  
 Acq: 08 Jun 2024 11:16

Tgt Ion:202 Resp: 4356449  
 Ion Ratio Lower Upper  
 202 100  
 101 12.2 10.3 15.5  
 100 9.3 8.0 12.0





#82

Pyrene

Concen: 36.527 ng/ul

RT: 19.492 min Scan# 2806

Delta R.T. -0.000 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

Instrument :

BNA\_N

ClientSampleId :

BHBW8

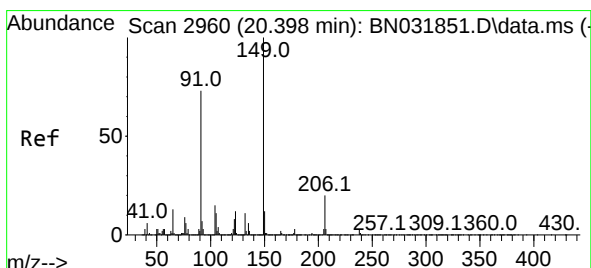
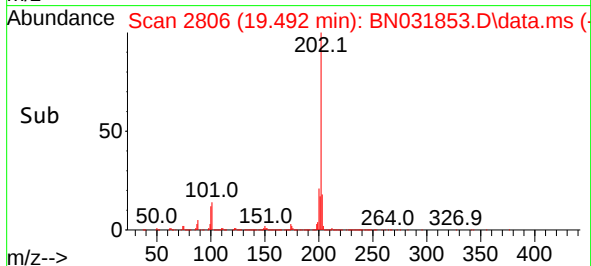
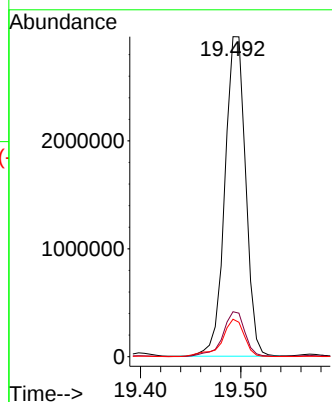
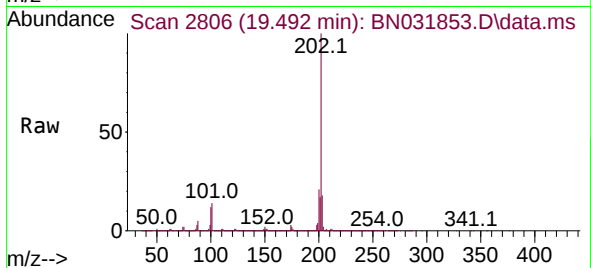
Tgt Ion:202 Resp: 4267024

Ion Ratio Lower Upper

202 100

101 14.0 12.6 18.8

100 11.7 10.2 15.2



#83

Butylbenzylphthalate

Concen: 1.499 ng/ul

RT: 20.398 min Scan# 2960

Delta R.T. -0.006 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

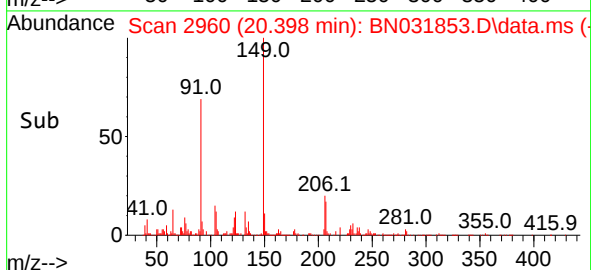
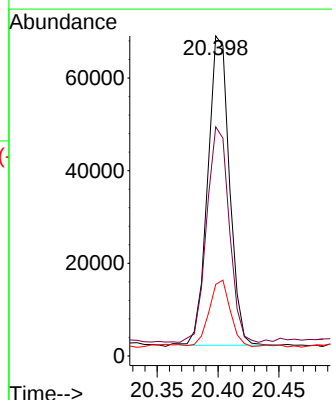
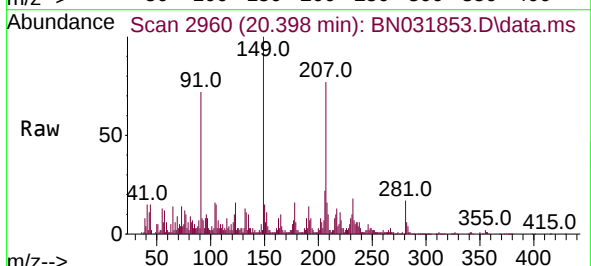
Tgt Ion:149 Resp: 82730

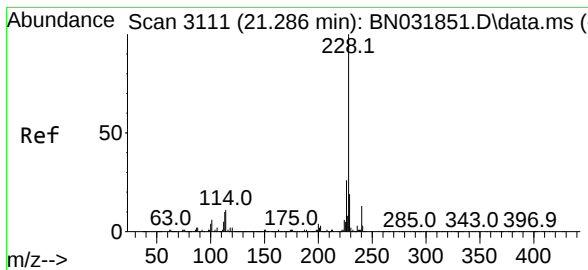
Ion Ratio Lower Upper

149 100

91 71.6 61.0 91.4

206 22.3 16.5 24.7





#85

Benzo(a)anthracene

Concen: 17.066 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

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BHBW8

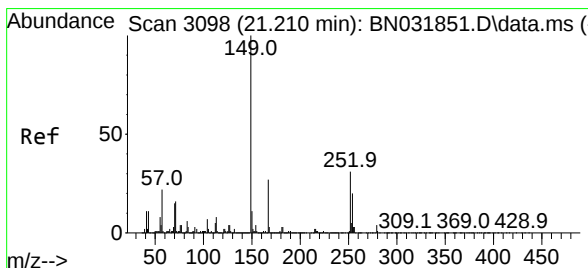
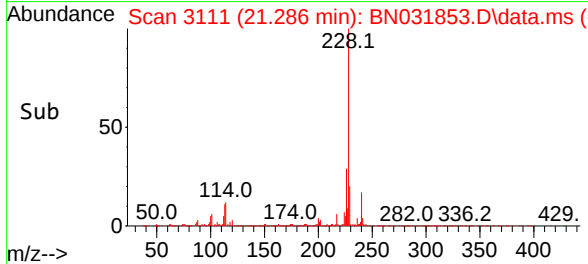
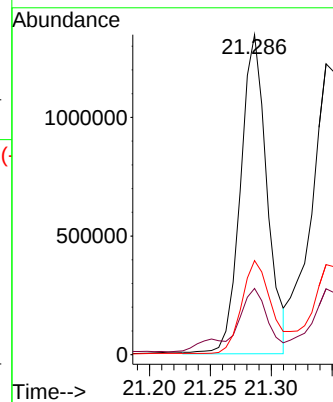
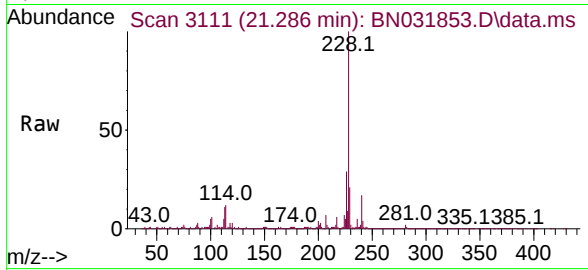
Tgt Ion:228 Resp: 2033779

Ion Ratio Lower Upper

228 100

229 20.7 16.7 25.1

226 29.4 22.8 34.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 5.006 ng/ul

RT: 21.210 min Scan# 3098

Delta R.T. -0.012 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

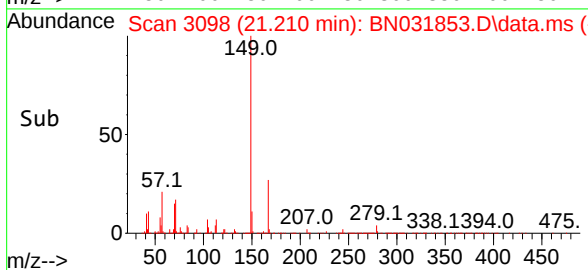
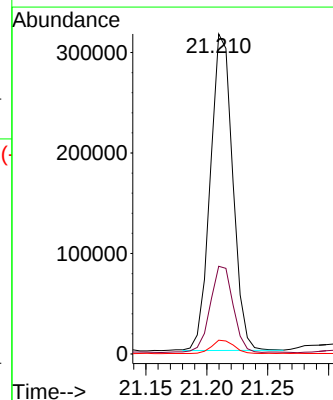
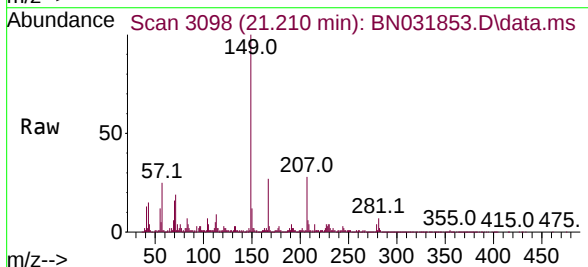
Tgt Ion:149 Resp: 402598

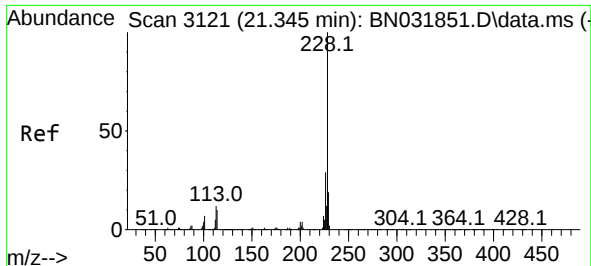
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.3 3.3 4.9





#87

Chrysene

Concen: 19.295 ng/ul

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

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Acq: 08 Jun 2024 11:16

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BNA\_N

ClientSampleId :

BHBW8

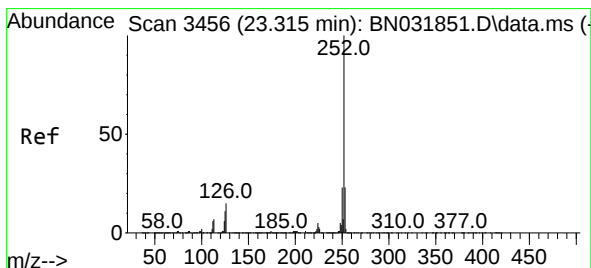
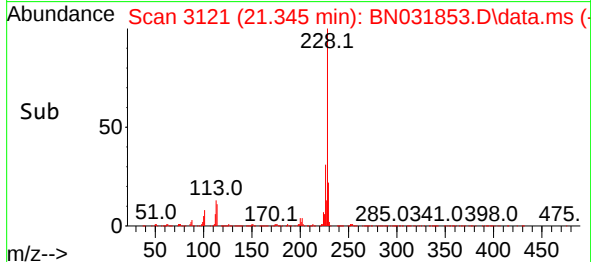
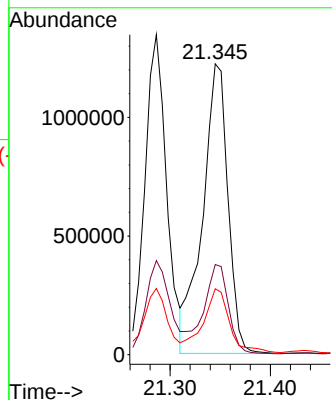
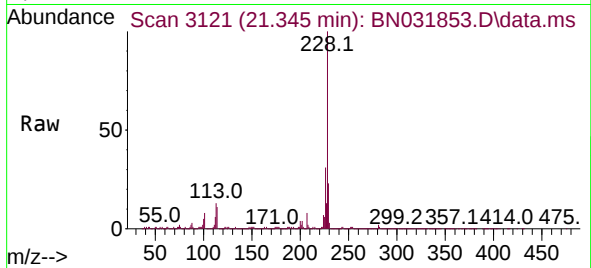
Tgt Ion:228 Resp: 2147801

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 22.7 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 21.505 ng/ul

RT: 23.316 min Scan# 3456

Delta R.T. 0.006 min

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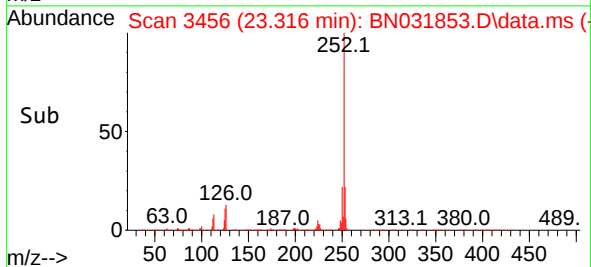
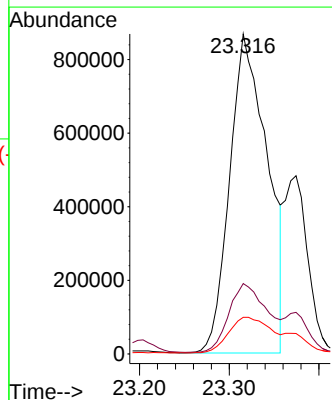
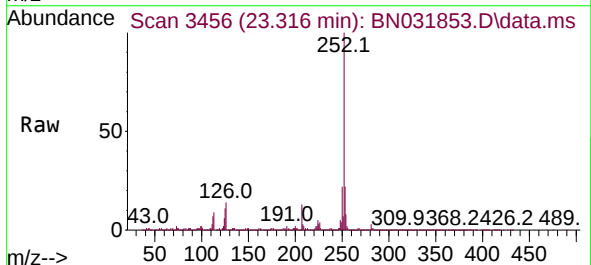
Tgt Ion:252 Resp: 2529601

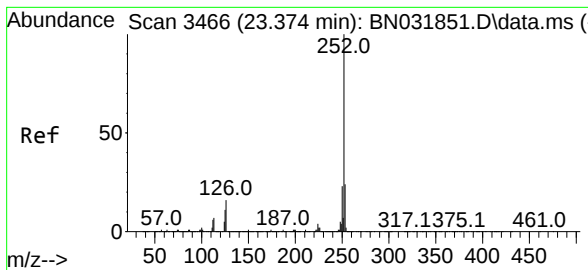
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 11.4 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 21.915 ng/ul

RT: 23.316 min Scan# 3466

Delta R.T. -0.059 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

Instrument :

BNA\_N

ClientSampleId :

BHBW8

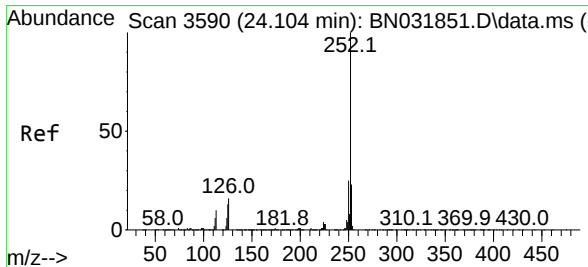
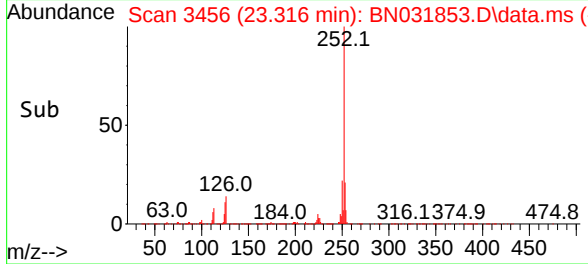
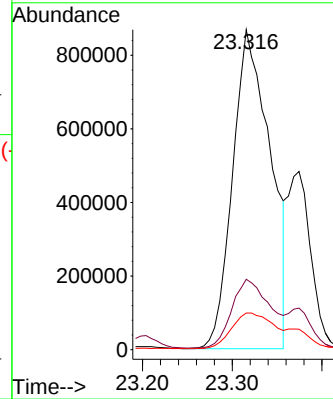
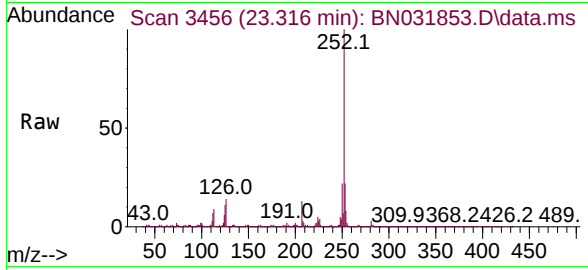
Tgt Ion:252 Resp: 2529601

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 11.4 9.4 14.2



#93

Benzo(a)pyrene

Concen: 16.678 ng/ul

RT: 24.110 min Scan# 3591

Delta R.T. 0.006 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

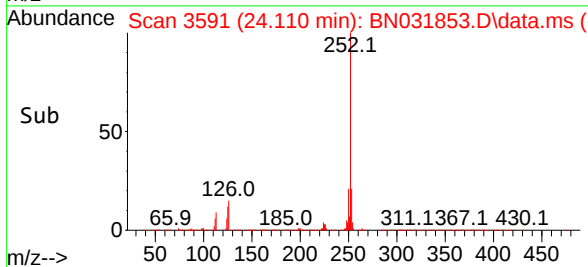
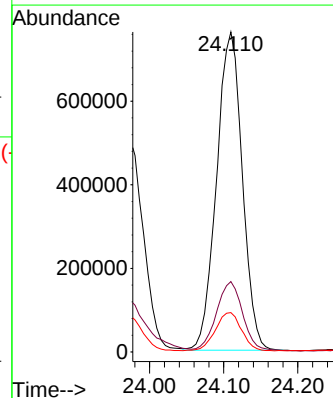
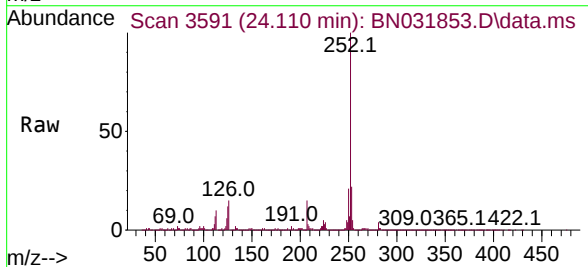
Tgt Ion:252 Resp: 1837434

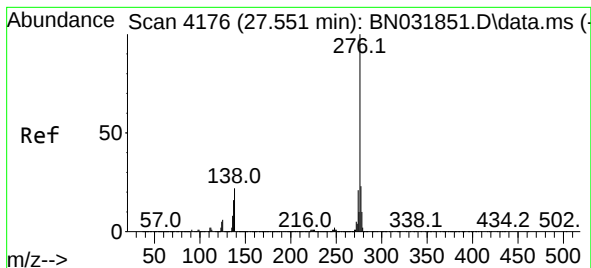
Ion Ratio Lower Upper

252 100

253 22.0 16.6 24.8

125 12.3 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 10.010 ng/ul

RT: 27.556 min Scan# 4176

Delta R.T. 0.023 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

Instrument :

BNA\_N

ClientSampleId :

BHBW8

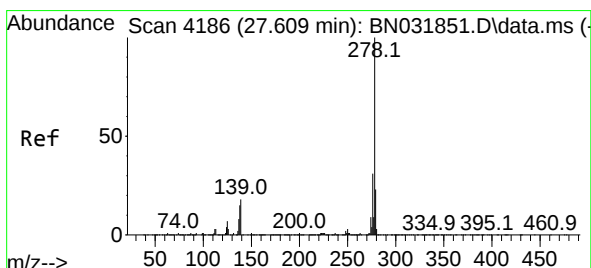
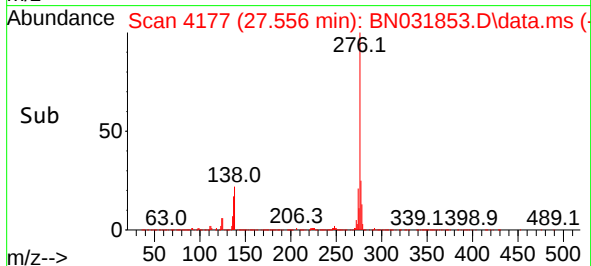
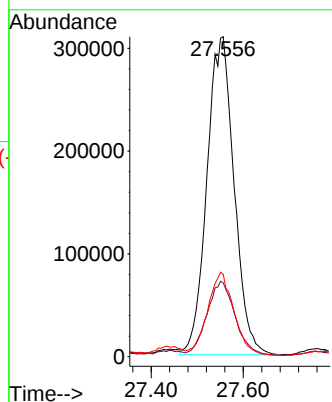
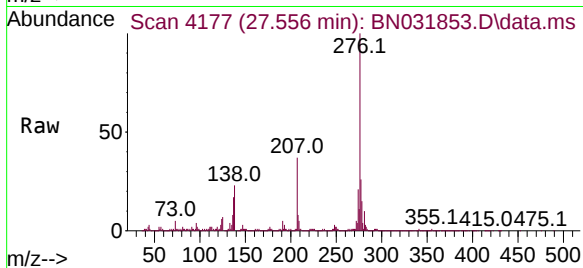
Tgt Ion:276 Resp: 1270808

Ion Ratio Lower Upper

276 100

138 23.1 18.1 27.1

277 25.7 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 1.722 ng/ul

RT: 27.580 min Scan# 4181

Delta R.T. -0.024 min

Lab File: BN031853.D

Acq: 08 Jun 2024 11:16

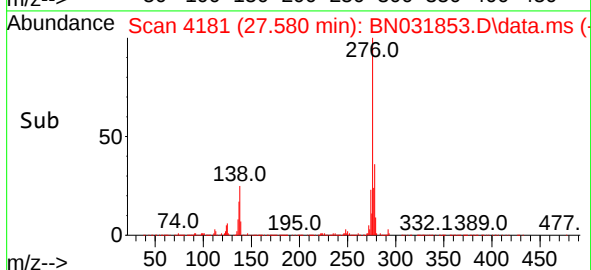
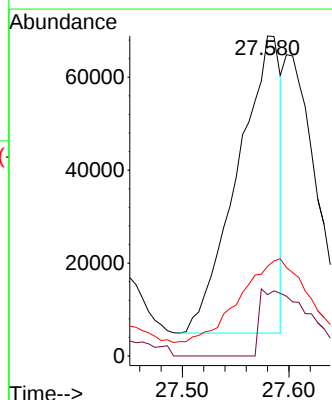
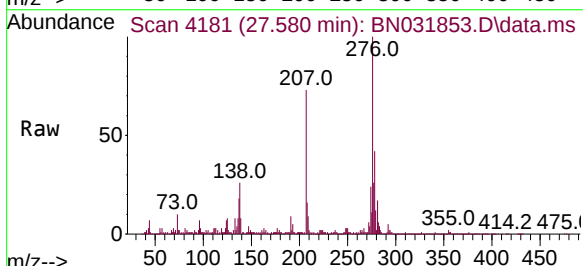
Tgt Ion:278 Resp: 178490

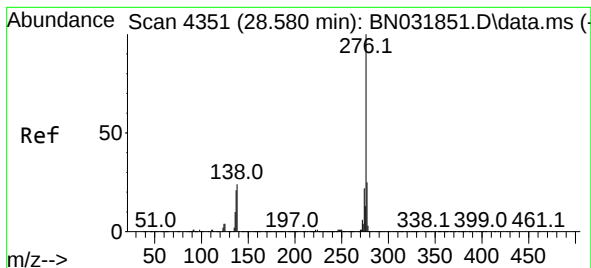
Ion Ratio Lower Upper

278 100

139 19.1 15.0 22.6

279 28.0 17.4 26.0#





#96

Benzo(g,h,i)perylene

Concen: 12.122 ng/ul

RT: 28.586 min Scan# 41

Delta R.T. 0.018 min

Lab File: BN031853.D

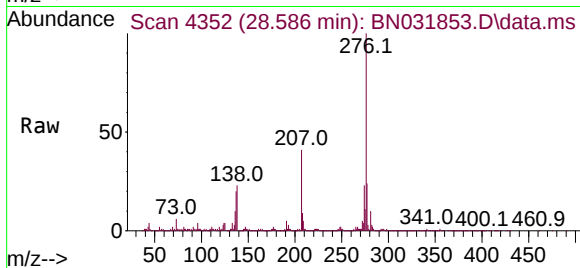
Acq: 08 Jun 2024 11:16

Instrument :

BNA\_N

ClientSampleId :

BHBW8



Tgt Ion:276 Resp: 1223381

Ion Ratio Lower Upper

276 100

138 23.2 20.9 31.3

277 24.2 18.0 27.0

