

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062619\  
 Data File : BN006592.D  
 Acq On : 26 Jun 2019 23:22  
 Operator : HP/JU  
 Sample : K3498-18  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C5AB7

Quant Time: Jun 27 02:07:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 26 18:22:21 2019  
 Response via : Initial Calibration

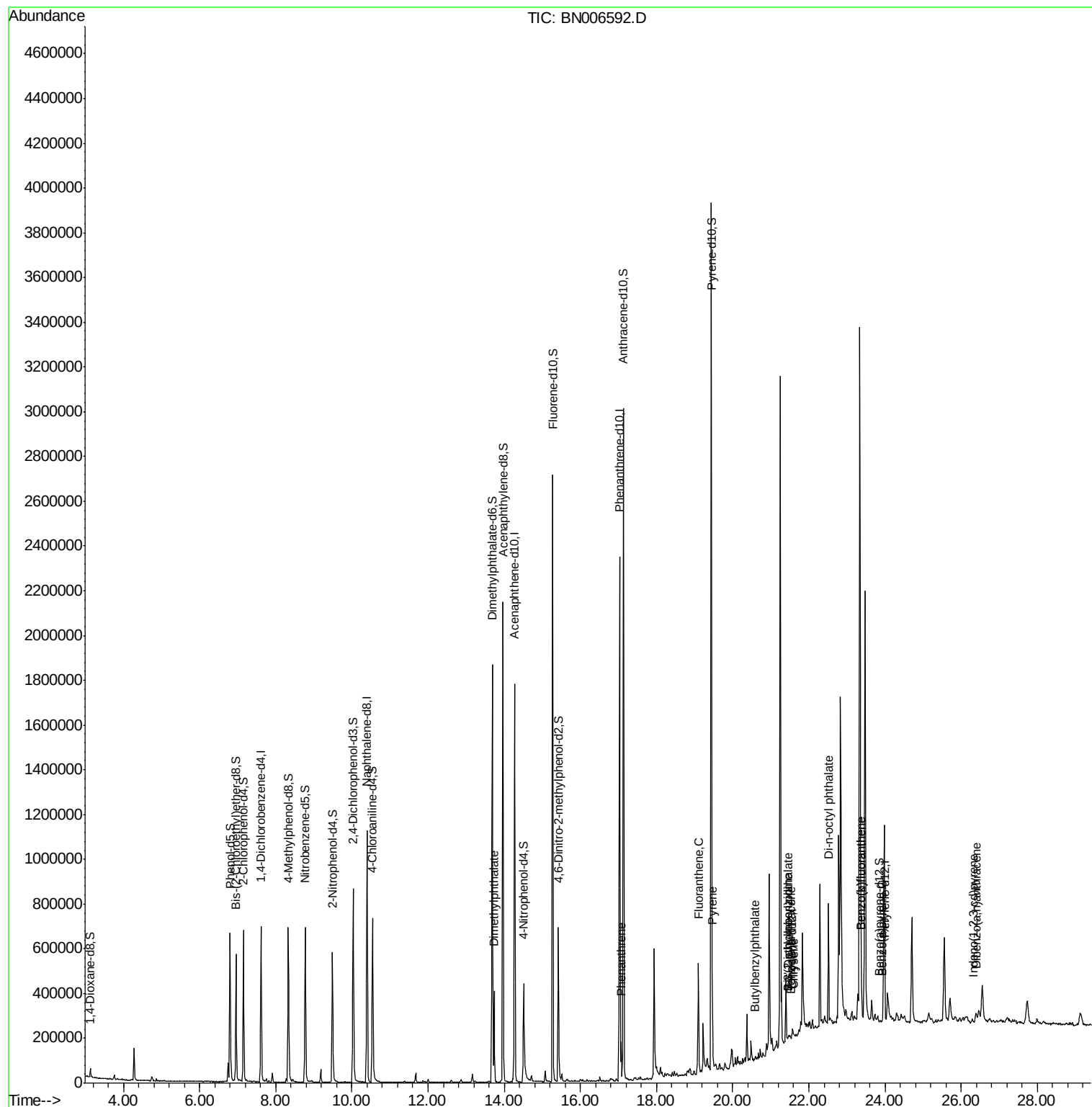
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 184812   | 20.00    | ng/ul  | 0.00     |
| 18) Naphthalene-d8             | 10.40 | 136  | 910369   | 20.00    | ng/ul  | 0.00     |
| 35) Acenaphthene-d10           | 14.27 | 164  | 560522   | 20.00    | ng/ul  | 0.00     |
| 61) Phenanthrene-d10           | 17.03 | 188  | 1264055  | 20.00    | ng/ul  | -0.01    |
| 77) Chrysene-d12               | 21.55 | 240  | 2013     | 20.00    | ng/ul  | 0.10     |
| 85) Perylene-d12               | 24.00 | 264  | 246      | 20.00    | ng/ul  | 0.14     |
| System Monitoring Compounds    |       |      |          |          |        |          |
| 3) 1,4-Dioxane-d8              | 3.13  | 96   | 19778    | 4.18     | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 6.80  | 99   | 389443   | 19.79    | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67   | 265620   | 21.80    | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.15  | 132  | 300847   | 20.73    | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.33  | 113  | 270282   | 17.31    | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 8.78  | 128  | 166658   | 22.86    | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.49  | 143  | 188008   | 23.67    | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165  | 323742   | 21.22    | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.54 | 131  | 415729   | 23.69    | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6       | 13.69 | 166  | 1185901  | 24.14    | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8          | 13.96 | 160  | 1377140  | 22.87    | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.51 | 143  | 147211   | 17.54    | ng/ul  | 0.00     |
| 57) Fluorene-d10               | 15.27 | 176  | 1025089  | 24.53    | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200  | 137213   | 17.15    | ng/ul  | 0.00     |
| 70) Anthracene-d10             | 17.13 | 188  | 1590935  | 25.00    | ng/ul  | -0.01    |
| 78) Pyrene-d10                 | 19.44 | 212  | 1781421  | 15150.30 | ng/ul  | -0.03    |
| 89) Benzo(a)pyrene-d12         | 23.85 | 264  | 38       | 2.73     | ng/ul  | 0.13     |
| Target Compounds               |       |      |          |          |        |          |
| 44) Dimethylphthalate          | 13.73 | 163  | 245763   | 5.427    | ng/ul  | 99       |
| 69) Phenanthrene               | 17.07 | 178  | 81868    | 1.174    | ng/ul  | 99       |
| 76) Fluoranthene               | 19.10 | 202  | 266454   | 3.546    | ng/ul  | 99       |
| 79) Pyrene                     | 19.47 | 202  | 232386   | 1695.568 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.59 | 149  | 297      | 4.833    | ng/ul# | 58       |
| 81) 3,3'-Dichlorobenzidine     | 21.46 | 252  | 226      | 5.310    | ng/ul# | 1        |
| 82) Benzo(a)anthracene         | 21.53 | 228  | 236      | 1.715    | ng/ul# | 1        |
| 83) Bis(2-ethylhexyl)phthalate | 21.46 | 149  | 323      | 3.665    | ng/ul# | 95       |
| 84) Chrysene                   | 21.60 | 228  | 364      | 2.780    | ng/ul# | 1        |
| 86) Di-n-octyl phthalate       | 22.51 | 149  | 955      | 60.417   | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 23.38 | 252  | 112453   | 7616.731 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.38 | 252  | 112453   | 7969.576 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.92 | 252  | 173      | 12.220   | ng/ul# | 1        |
| 91) Indeno(1,2,3-cd)pyrene     | 26.32 | 276  | 115      | 6.864    | ng/ul# | 1        |
| 92) Dibenzo(a,h)anthracene     | 26.39 | 278  | 1434     | 103.358  | ng/ul# | 55       |

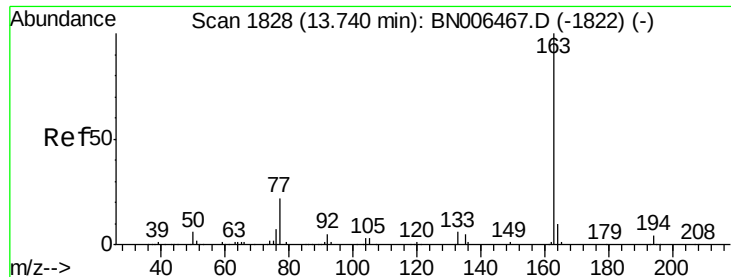
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 26 18:22:21 2019  
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 5.427 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

Instrument :

BNA\_N

ClientSampleId :

C5AB7

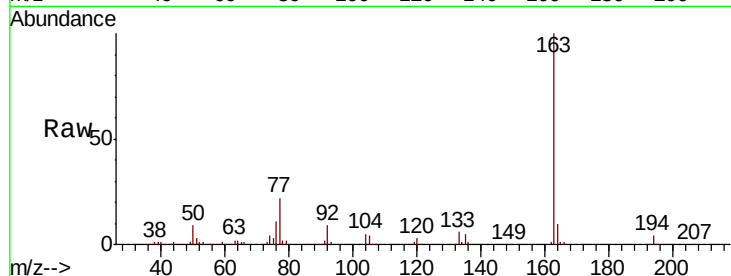
Tgt Ion:163 Resp: 245763

Ion Ratio Lower Upper

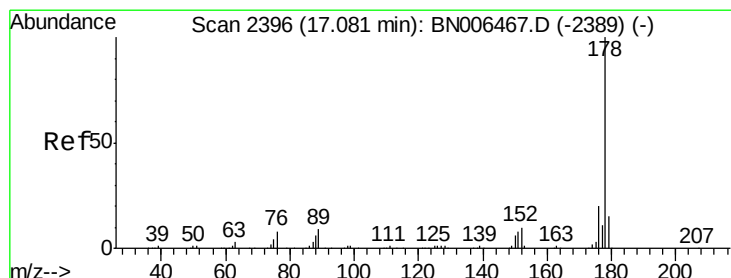
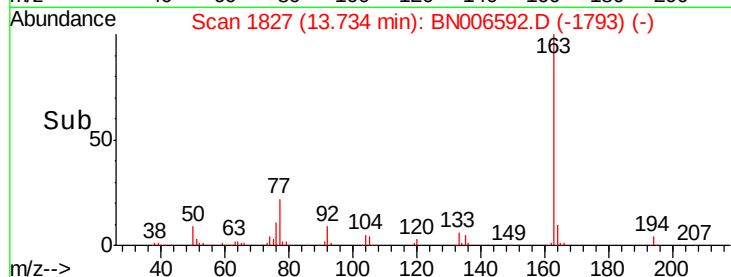
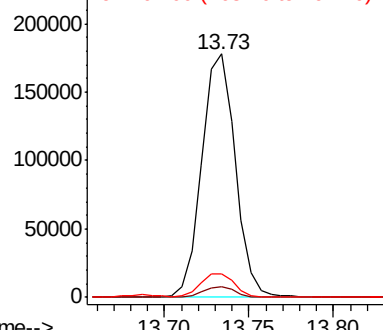
163 100

194 4.3 3.4 5.0

164 9.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 1.174 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

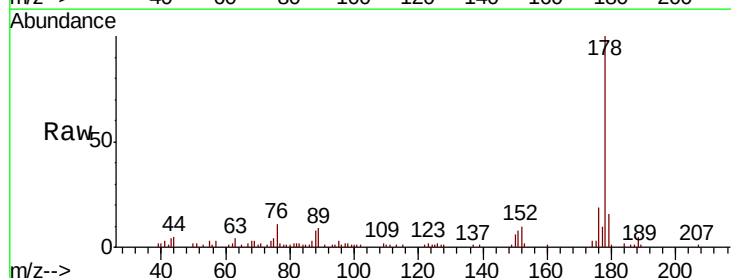
Tgt Ion:178 Resp: 81868

Ion Ratio Lower Upper

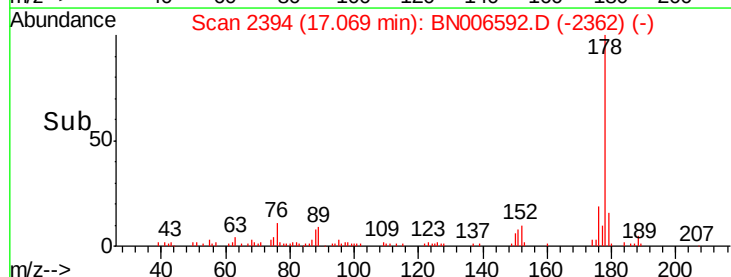
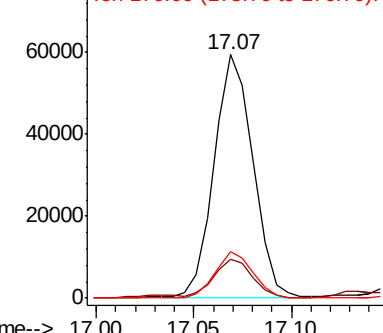
178 100

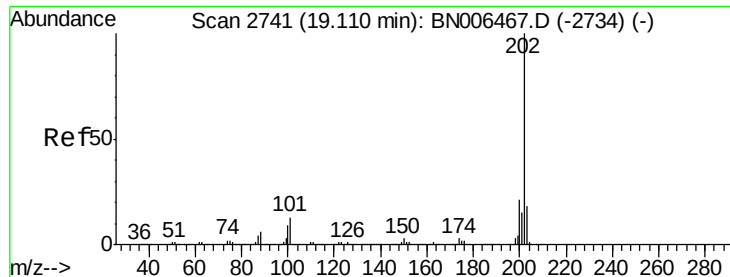
179 16.1 12.5 18.7

176 18.9 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E

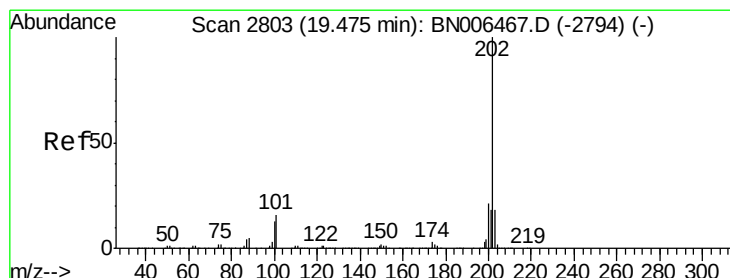
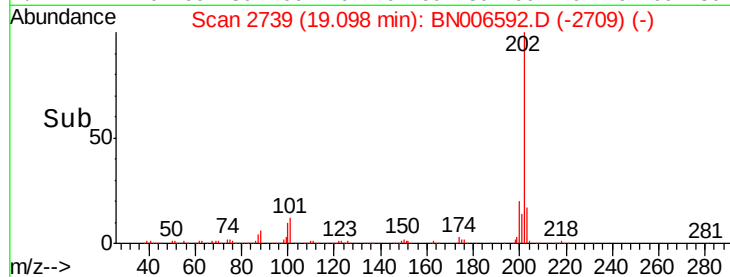
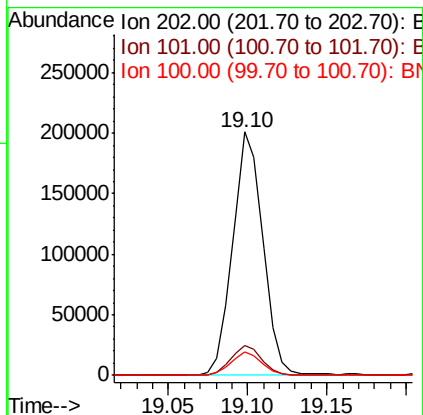
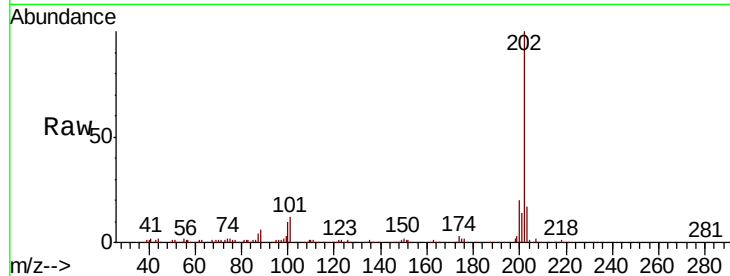




#76  
Fluoranthene  
Concen: 3.546 ng/ul  
RT: 19.10 min Scan# 2739  
Delta R.T. -0.02 min  
Lab File: BN006592.D  
Acq: 26 Jun 2019 23:22

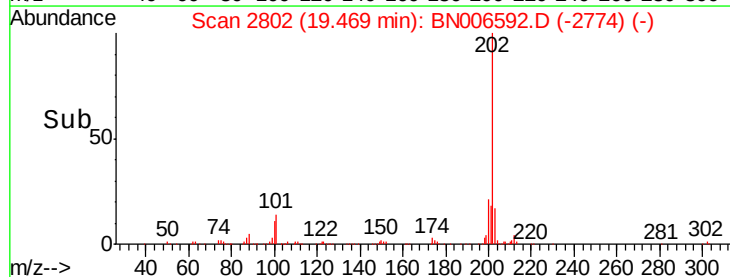
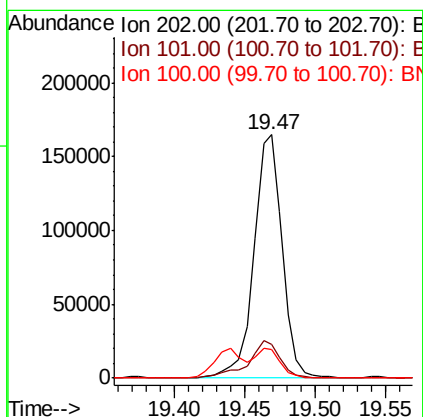
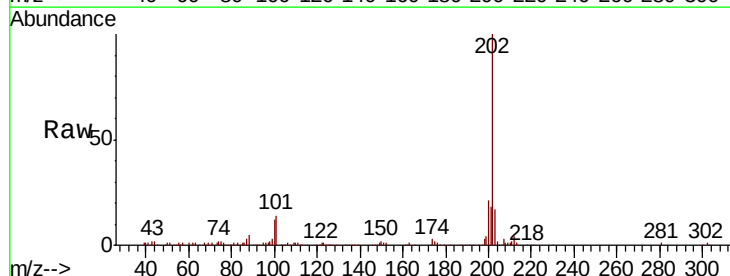
Instrument :  
BNA\_N  
ClientSampled :  
C5AB7

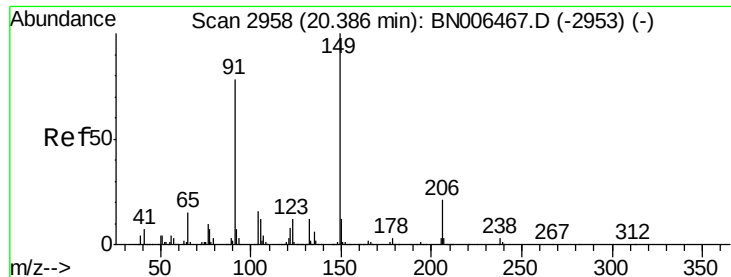
Tgt Ion:202 Resp: 266454  
Ion Ratio Lower Upper  
202 100  
101 12.4 10.5 15.7  
100 9.6 7.6 11.4



#79  
Pyrene  
Concen: 1695.568 ng/ul  
RT: 19.47 min Scan# 2802  
Delta R.T. -0.04 min  
Lab File: BN006592.D  
Acq: 26 Jun 2019 23:22

Tgt Ion:202 Resp: 232386  
Ion Ratio Lower Upper  
202 100  
101 13.9 12.2 18.4  
100 11.7 9.8 14.6





#80

Butylbenzylphthalate

Concen: 4.833 ng/ul

RT: 20.59 min Scan# 2992

Delta R.T. 0.11 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

Instrument :

BNA\_N

ClientSampleId :

C5AB7

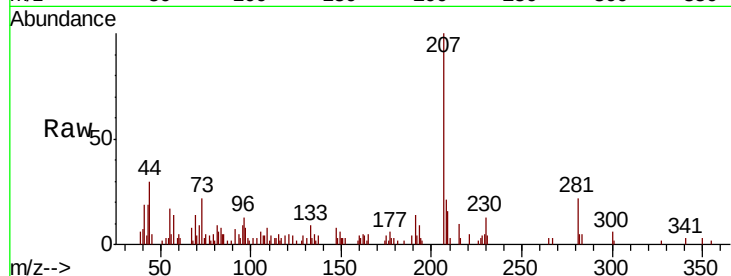
Tgt Ion:149 Resp: 297

Ion Ratio Lower Upper

149 100

91 114.8 62.7 94.1#

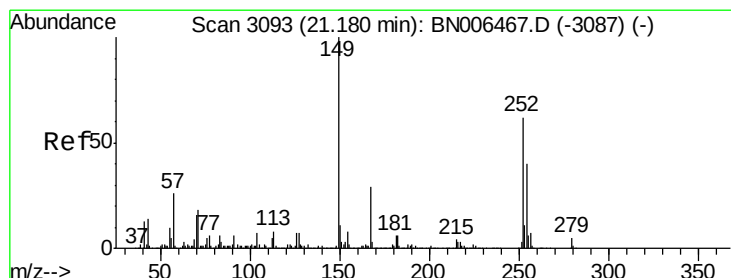
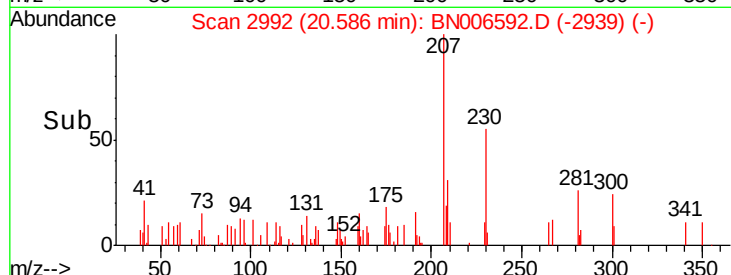
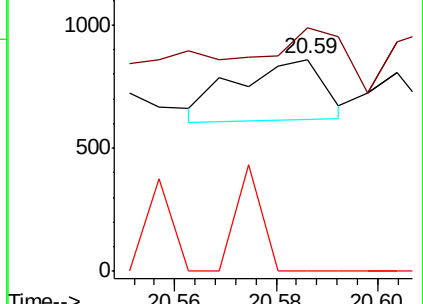
206 0.0 16.3 24.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNO

Ion 206.00 (205.70 to 206.70): E



#81

3,3'-Dichlorobenzidine

Concen: 5.310 ng/ul

RT: 21.46 min Scan# 3140

Delta R.T. 0.09 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

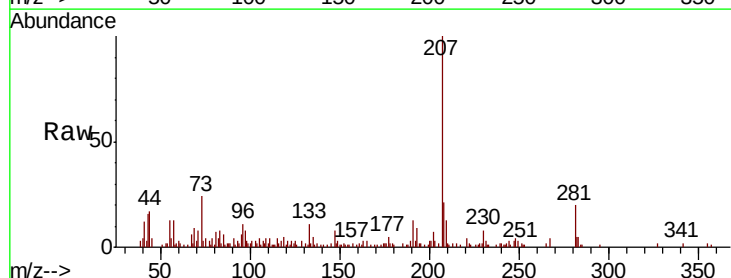
Tgt Ion:252 Resp: 226

Ion Ratio Lower Upper

252 100

254 0.0 51.8 77.8#

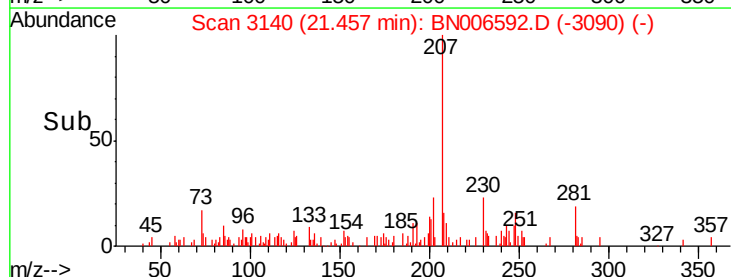
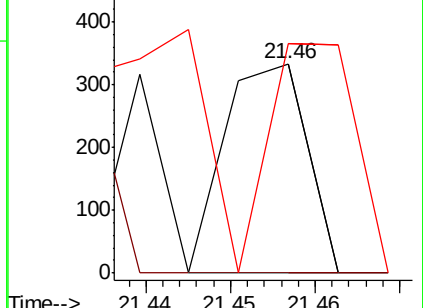
126 109.9 9.8 14.8#

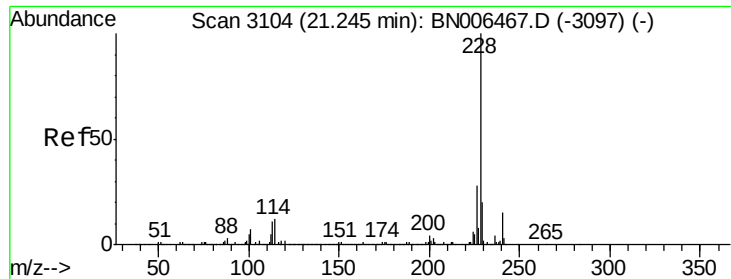


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Benzo(a)anthracene

Concen: 1.715 ng/ul

RT: 21.53 min Scan# 3153

Delta R.T. 0.10 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

Instrument :

BNA\_N

ClientSampled :

C5AB7

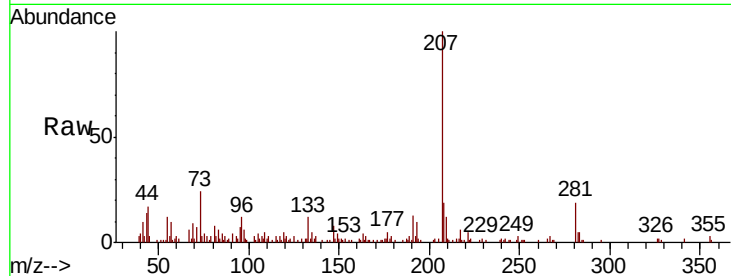
Tgt Ion:228 Resp: 236

Ion Ratio Lower Upper

228 100

229 177.1 15.6 23.4#

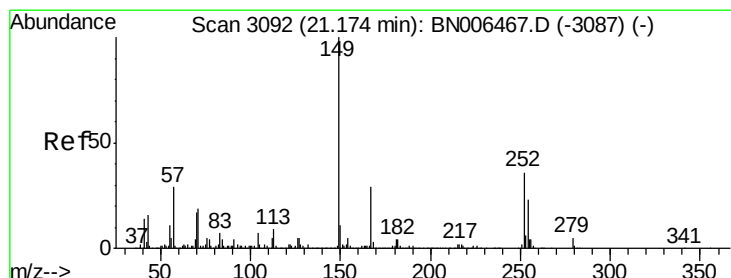
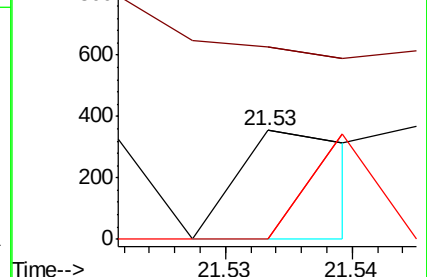
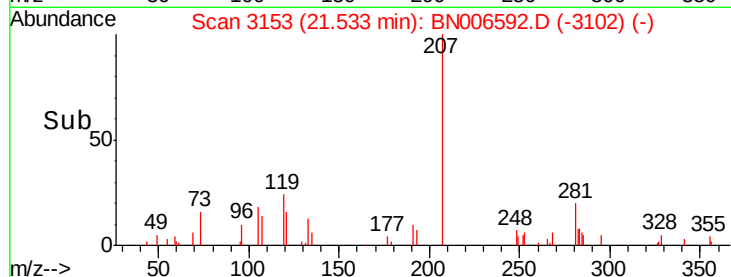
226 0.0 21.5 32.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.665 ng/ul

RT: 21.46 min Scan# 3141

Delta R.T. 0.09 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

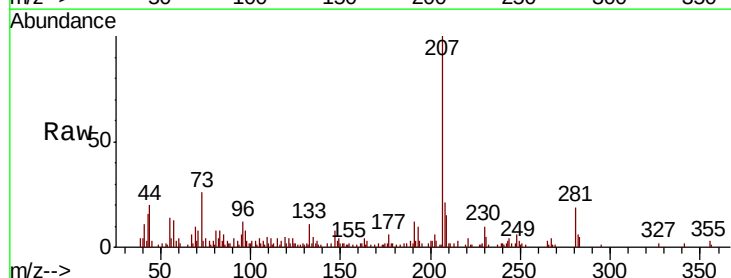
Tgt Ion:149 Resp: 323

Ion Ratio Lower Upper

149 100

167 30.0 22.2 33.4

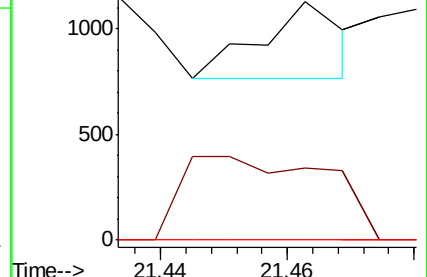
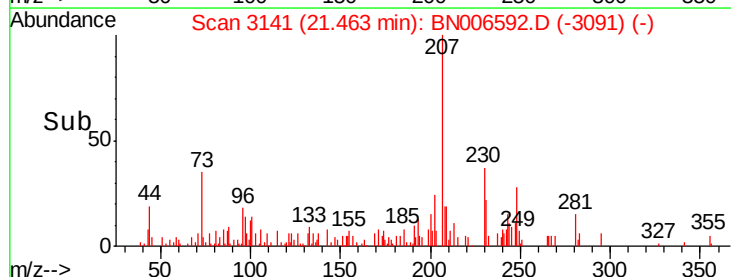
279 0.0 3.3 4.9#

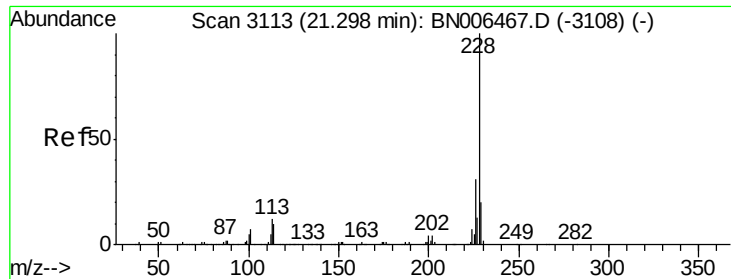


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 2.780 ng/ul

RT: 21.60 min Scan# 3165

Delta R.T. 0.11 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

Instrument :

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ClientSampleId :

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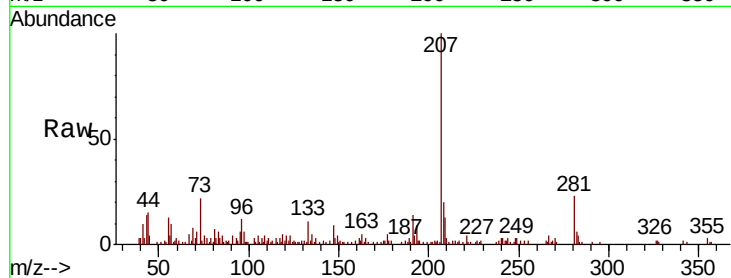
Tgt Ion:228 Resp: 364

Ion Ratio Lower Upper

228 100

226 111.0 24.2 36.2#

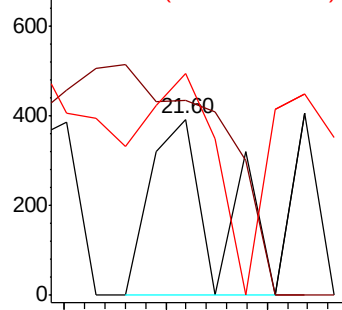
229 126.0 15.9 23.9#



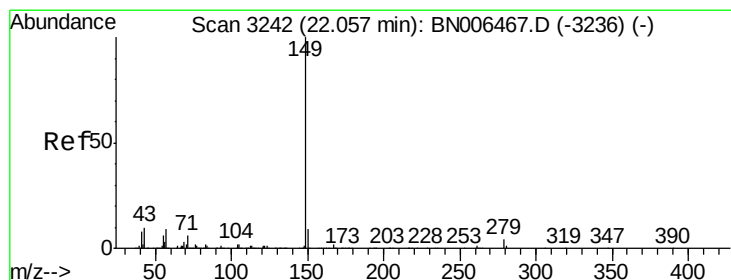
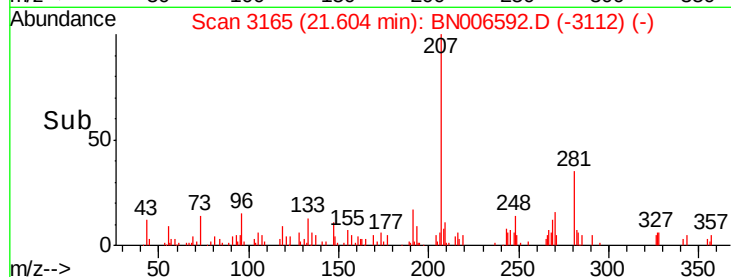
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Di-n-octyl phthalate

Concen: 60.417 ng/ul

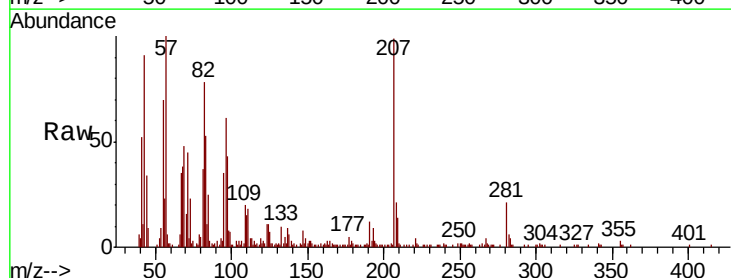
RT: 22.51 min Scan# 3319

Delta R.T. 0.12 min

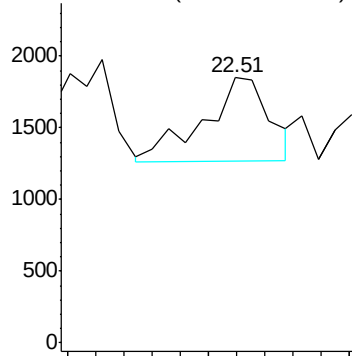
Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

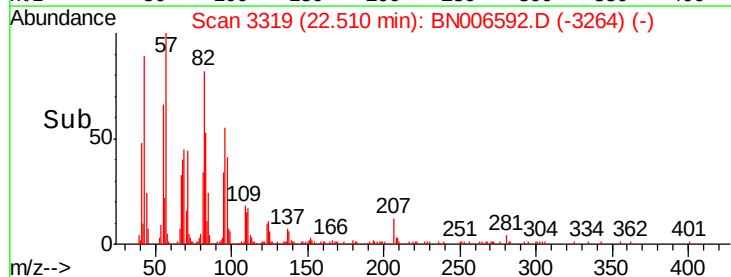
Tgt Ion:149 Resp: 955

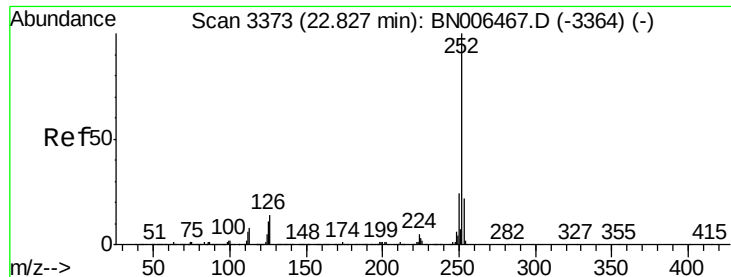


Abundance Ion 149.00 (148.70 to 149.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 7616.731 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. 0.21 min

Lab File: BN006592.D

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ClientSampleId :

C5AB7

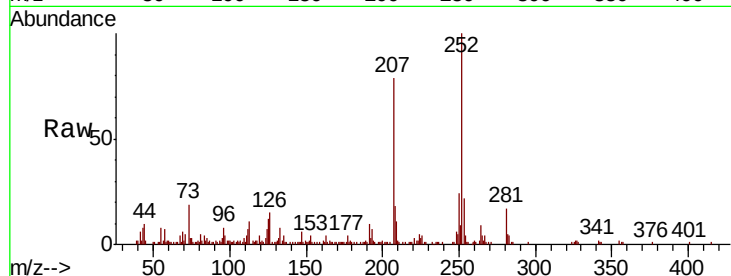
Tgt Ion:252 Resp: 112453

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 12.3 9.0 13.6

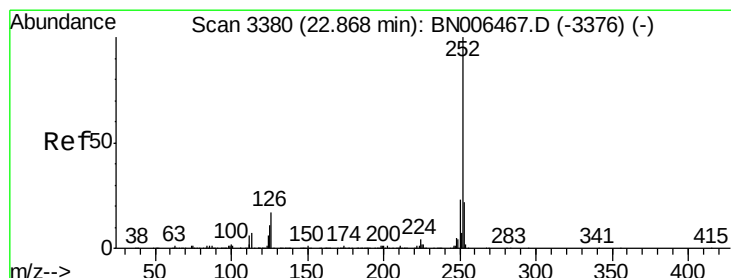
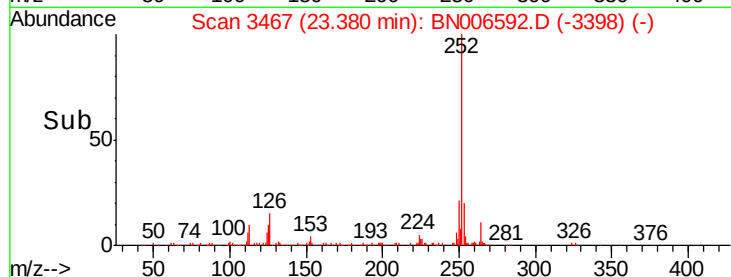
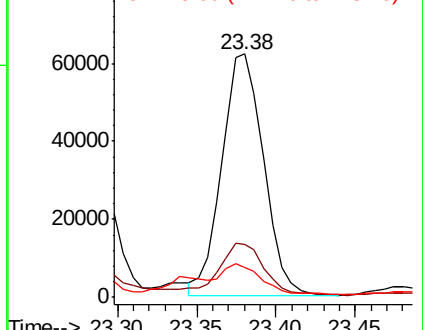


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7969.576 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. 0.16 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

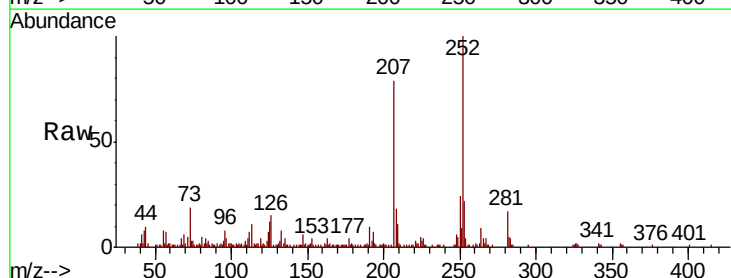
Tgt Ion:252 Resp: 112453

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 12.3 9.1 13.7

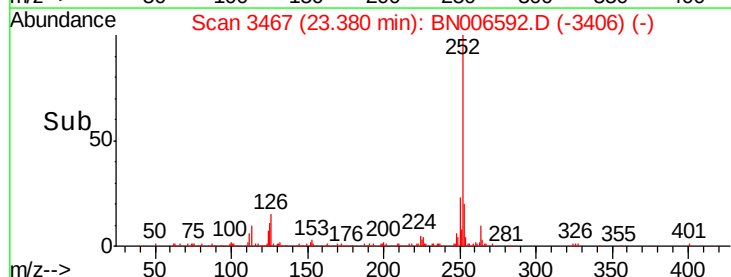
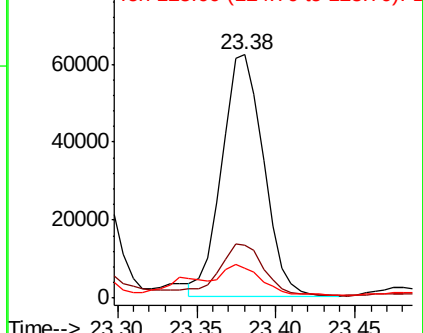


Abundance

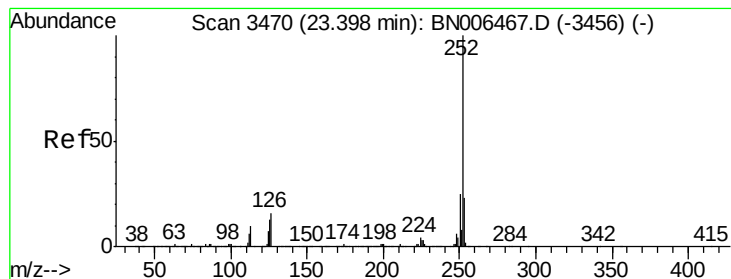
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#90

Benzo(a)pyrene

Concen: 12.220 ng/ul

RT: 23.92 min Scan# 3558

Delta R.T. 0.15 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

Instrument :

BNA\_N

ClientSampleId :

C5AB7

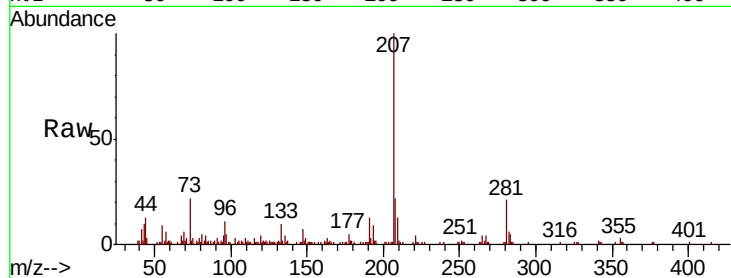
Tgt Ion:252 Resp: 173

Ion Ratio Lower Upper

252 100

253 99.8 17.7 26.5#

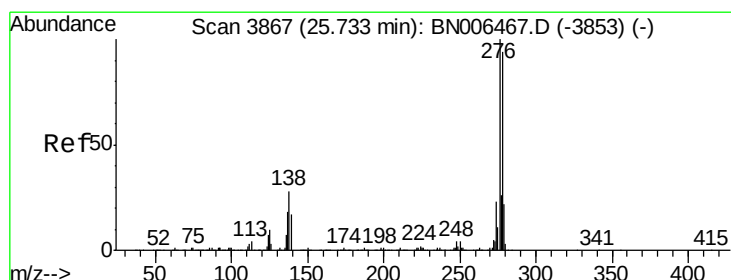
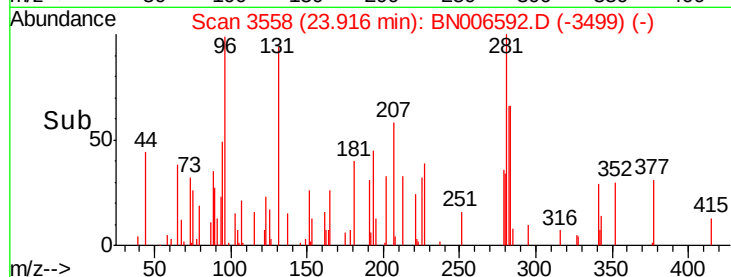
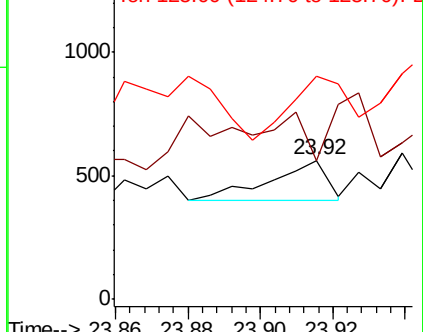
125 161.0 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 6.864 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. 0.16 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

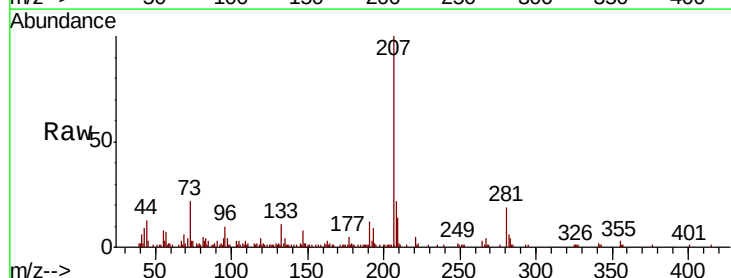
Tgt Ion:276 Resp: 115

Ion Ratio Lower Upper

276 100

138 117.5 22.2 33.4#

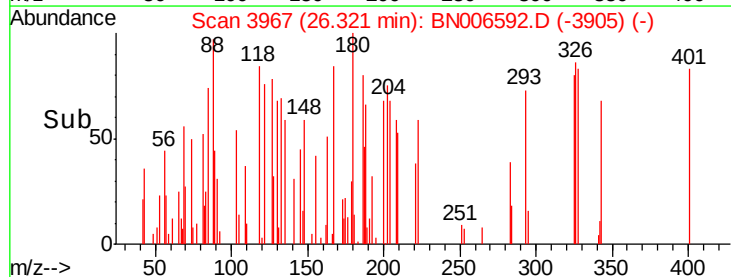
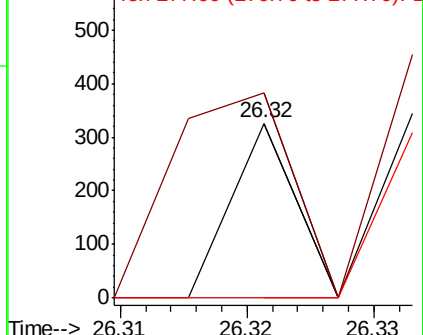
277 0.0 20.2 30.4#

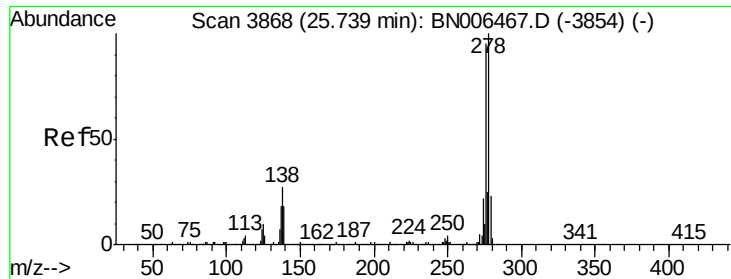


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 103.358 ng/ul

RT: 26.39 min Scan# 3979

Delta R.T. 0.22 min

Lab File: BN006592.D

Acq: 26 Jun 2019 23:22

Instrument :

BNA\_N

ClientSampleId :

C5AB7

Tgt Ion:278 Resp: 1434

Ion Ratio Lower Upper

278 100

139 0.0 14.2 21.4#

279 46.8 18.8 28.2#

