

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102622\  
 Data File : BP012329.D  
 Acq On : 26 Oct 2022 15:13  
 Operator : CG/JU  
 Sample : N5064-09DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Oct 27 00:23:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP102522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 26 23:40:20 2022  
 Response via : Initial Calibration

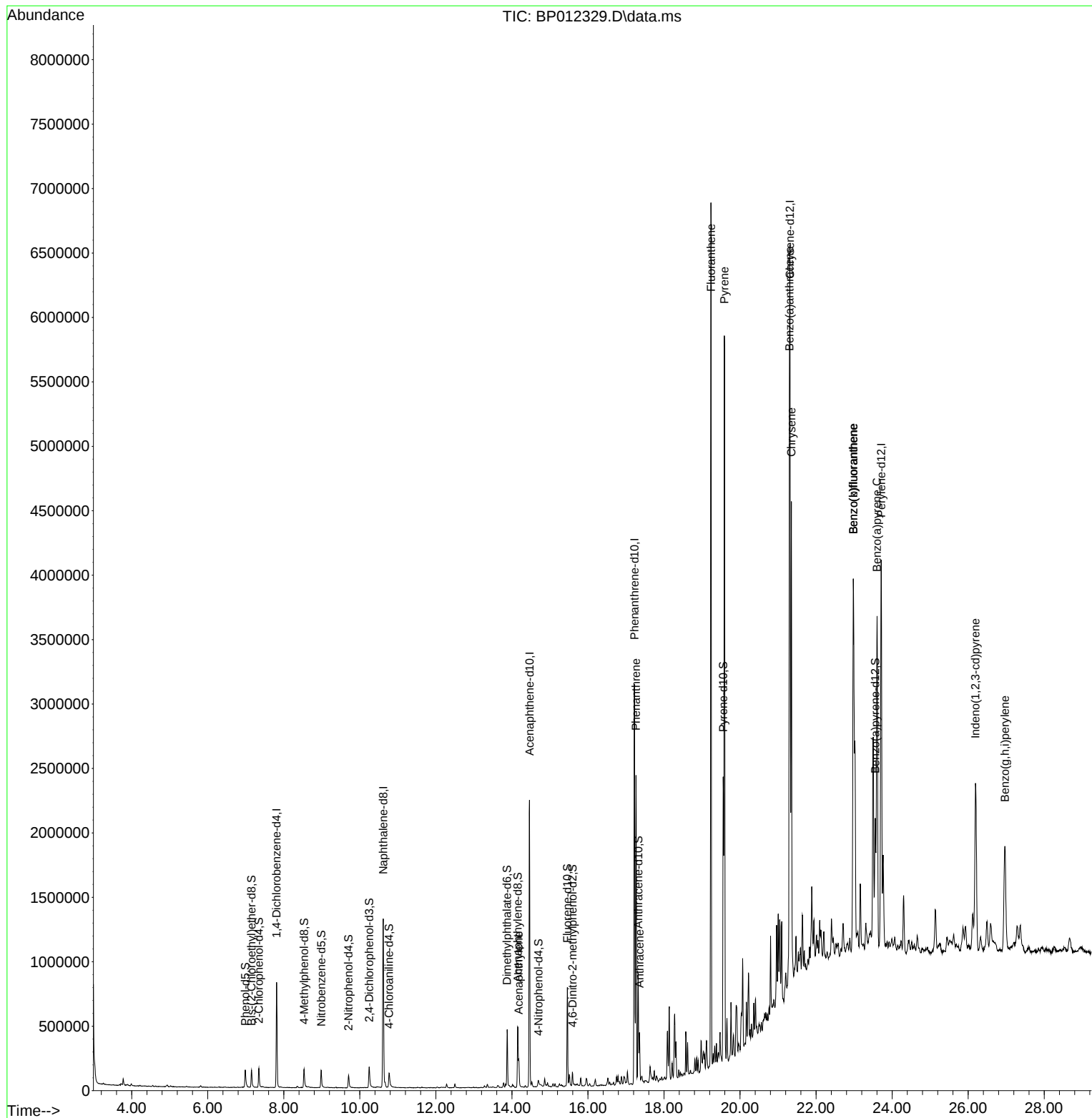
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 239408   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.616 | 136  | 1132146  | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.463 | 164  | 776271   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.222 | 188  | 1791118  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.316 | 240  | 1986991  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 23.716 | 264  | 2368281  | 20.000 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 5255     | 0.884  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 208      | 0.012  | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.987  | 99   | 100608   | 4.685  | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.152  | 67   | 67884    | 5.296  | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.346  | 132  | 82446    | 5.258  | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.534  | 113  | 68946    | 4.060  | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 8.987  | 128  | 36292    | 4.943  | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.704  | 143  | 36692    | 4.815  | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.246 | 165  | 77732    | 4.707  | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.769 | 131  | 87570    | 3.561  | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.875 | 166  | 318534   | 5.994  | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.151 | 160  | 326686   | 5.380  | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.698 | 143  | 22684    | 2.255  | ng/u1 | 0.02     |
| 60) Fluorene-d10              | 15.457 | 176  | 299461   | 6.582  | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 200  | 25892    | 2.777  | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.322 | 188  | 478927   | 6.206  | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.557 | 212  | 631943   | 6.335  | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.557 | 264  | 736369   | 6.364  | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 50) Acenaphthylene            | 14.181 | 152  | 150357   | 2.208  | ng/u1 | 98       |
| 72) Phenanthrene              | 17.263 | 178  | 1429257  | 15.105 | ng/u1 | 99       |
| 74) Anthracene                | 17.357 | 178  | 248442   | 2.643  | ng/u1 | 98       |
| 80) Fluoranthene              | 19.239 | 202  | 4004479  | 32.512 | ng/u1 | 98       |
| 82) Pyrene                    | 19.592 | 202  | 3428130  | 26.871 | ng/u1 | 98       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 2002710  | 15.799 | ng/u1 | 99       |
| 87) Chrysene                  | 21.351 | 228  | 1931074  | 16.295 | ng/u1 | 98       |
| 90) Benzo(b)fluoranthene      | 22.980 | 252  | 2606111  | 17.378 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 22.980 | 252  | 2606111  | 18.235 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.604 | 252  | 1925215  | 14.701 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.192 | 276  | 1378030  | 8.444  | ng/u1 | 95       |
| 96) Benzo(g,h,i)perylene      | 26.968 | 276  | 1122303  | 7.780  | ng/u1 | 99       |
| -----                         |        |      |          |        |       |          |

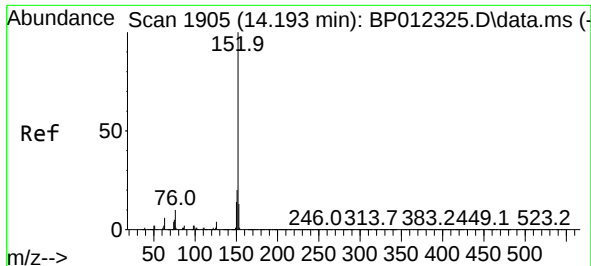
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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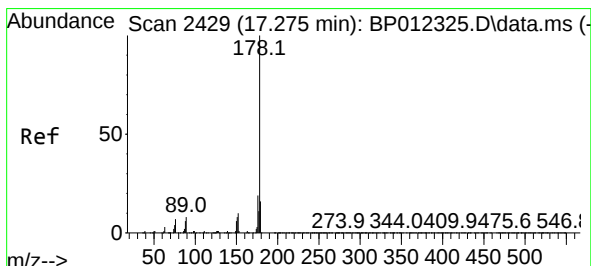
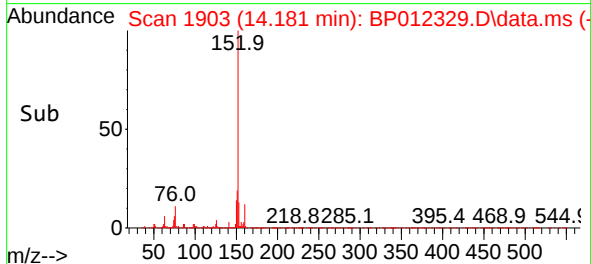
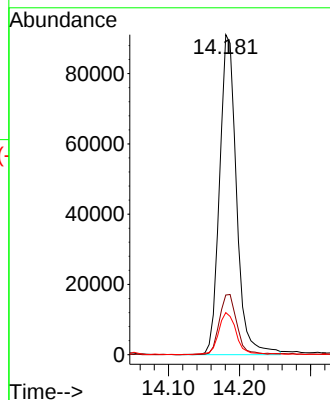
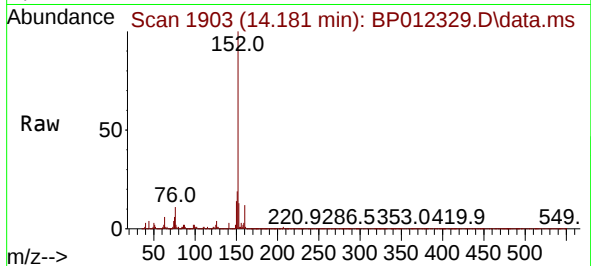




#50  
Acenaphthylene  
Concen: 2.208 ng/ul  
RT: 14.181 min Scan# 1903  
Delta R.T. -0.005 min  
Lab File: BP012329.D  
Acq: 26 Oct 2022 15:13

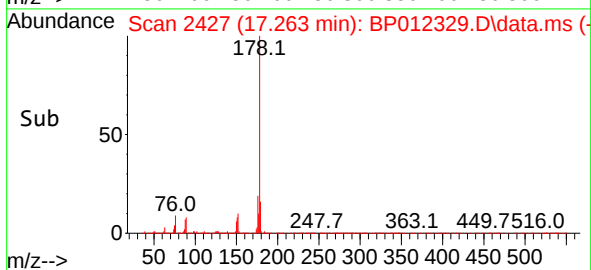
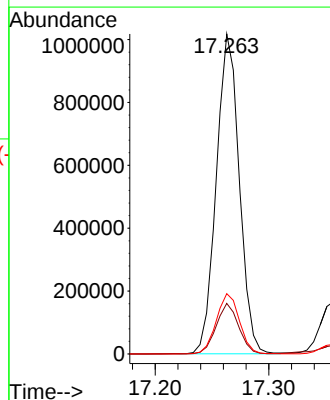
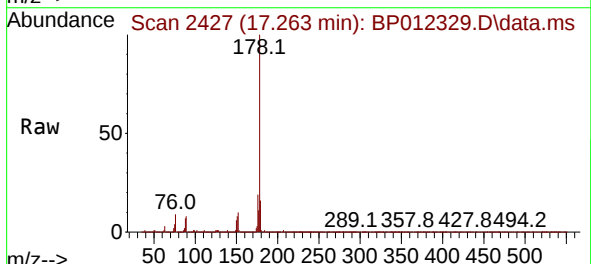
Instrument :  
BNA\_P  
ClientSampleId :

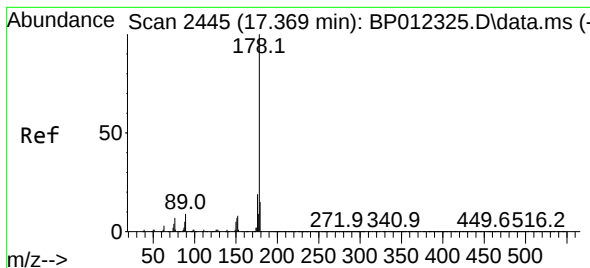
Tgt Ion:152 Resp: 150357  
Ion Ratio Lower Upper  
152 100  
151 18.6 16.1 24.1  
153 13.2 10.8 16.2



#72  
Phenanthrene  
Concen: 15.105 ng/ul  
RT: 17.263 min Scan# 2427  
Delta R.T. -0.006 min  
Lab File: BP012329.D  
Acq: 26 Oct 2022 15:13

Tgt Ion:178 Resp: 1429257  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.6 18.8  
176 18.8 15.8 23.6





#74

Anthracene

Concen: 2.643 ng/ul

RT: 17.357 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

Instrument :

BNA\_P

ClientSampleId :

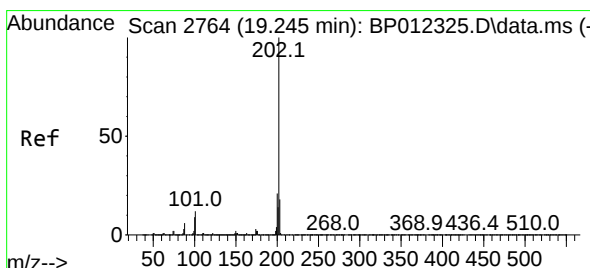
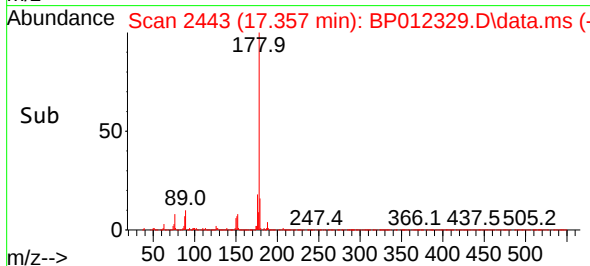
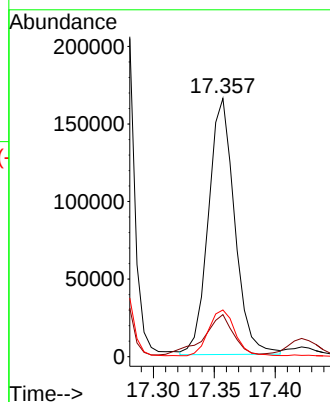
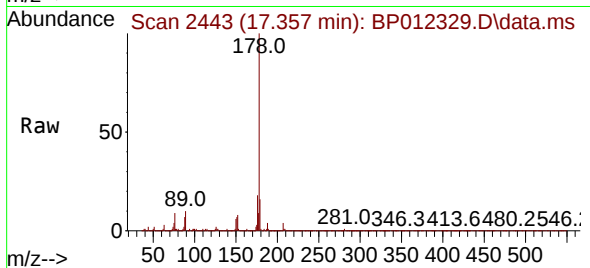
Tgt Ion:178 Resp: 248442

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

176 18.1 15.3 22.9



#80

Fluoranthene

Concen: 32.512 ng/ul

RT: 19.239 min Scan# 2763

Delta R.T. 0.000 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

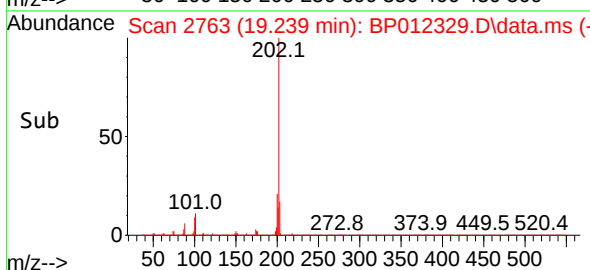
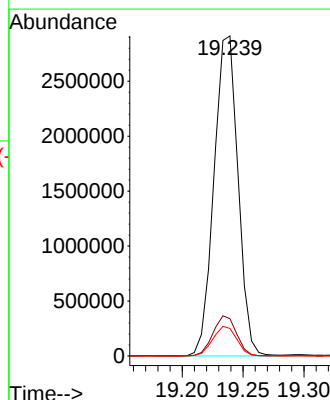
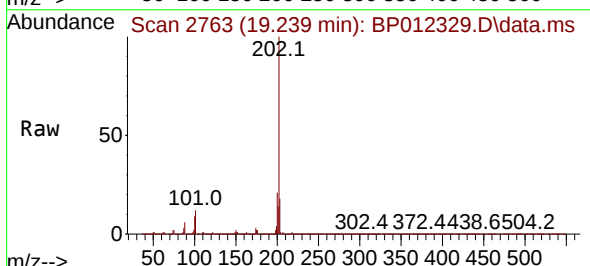
Tgt Ion:202 Resp: 4004479

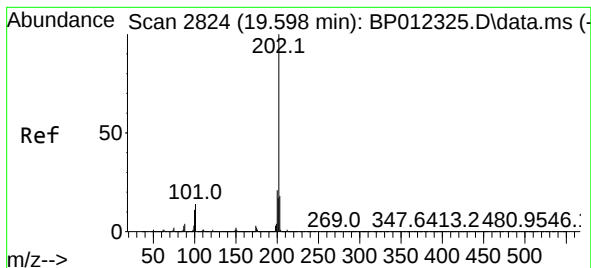
Ion Ratio Lower Upper

202 100

101 11.6 9.9 14.9

100 8.6 7.4 11.2





#82

Pyrene

Concen: 26.871 ng/ul

RT: 19.592 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

Instrument :

BNA\_P

ClientSampleId :

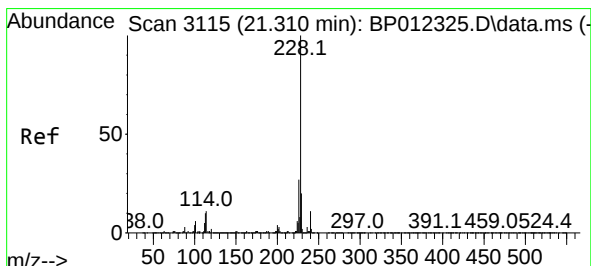
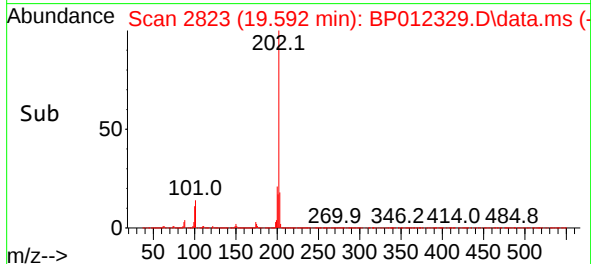
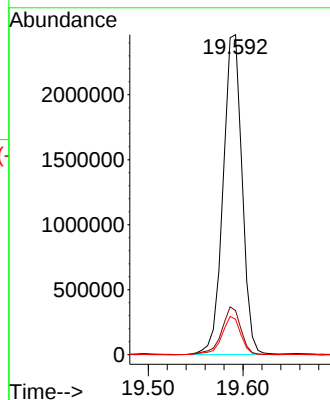
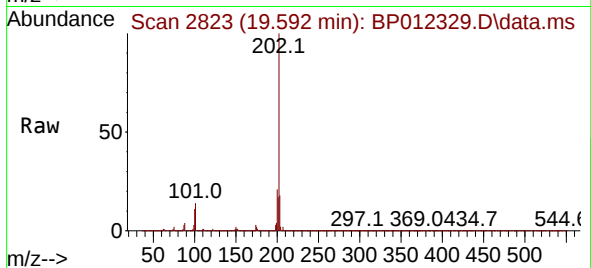
Tgt Ion:202 Resp: 3428130

Ion Ratio Lower Upper

202 100

101 13.8 11.8 17.6

100 11.0 9.3 13.9



#85

Benzo(a)anthracene

Concen: 15.799 ng/ul

RT: 21.298 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

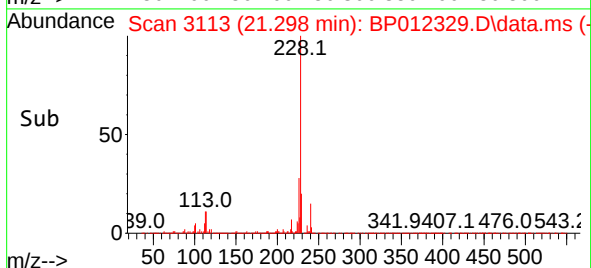
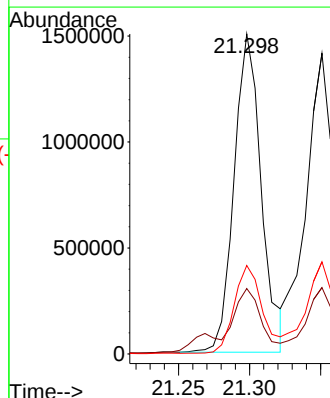
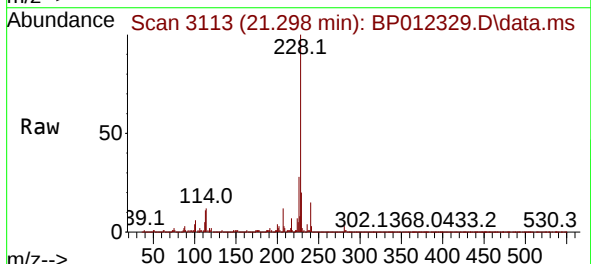
Tgt Ion:228 Resp: 2002710

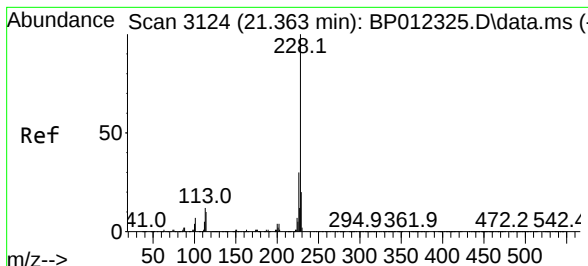
Ion Ratio Lower Upper

228 100

229 20.5 16.2 24.2

226 27.7 22.6 33.8





#87

Chrysene

Concen: 16.295 ng/ul

RT: 21.351 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

Instrument :

BNA\_P

ClientSampleId :

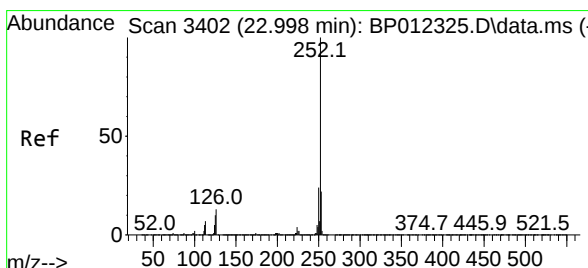
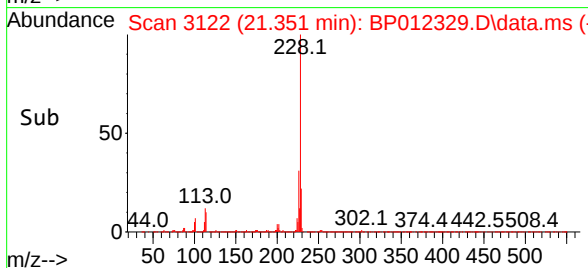
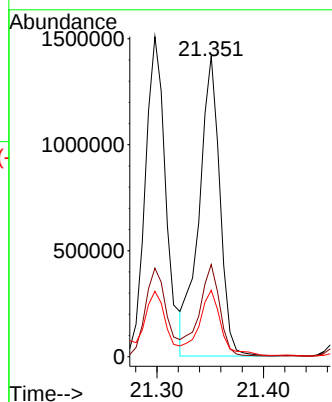
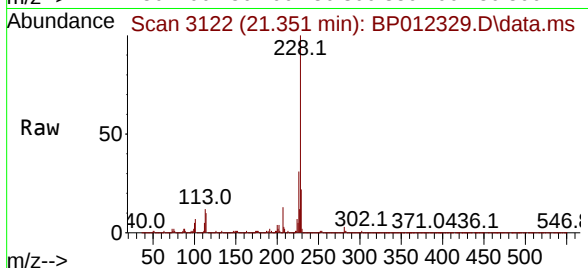
Tgt Ion:228 Resp: 1931074

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

229 22.1 16.0 24.0



#90

Benzo(b)fluoranthene

Concen: 17.378 ng/ul

RT: 22.980 min Scan# 3399

Delta R.T. 0.000 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

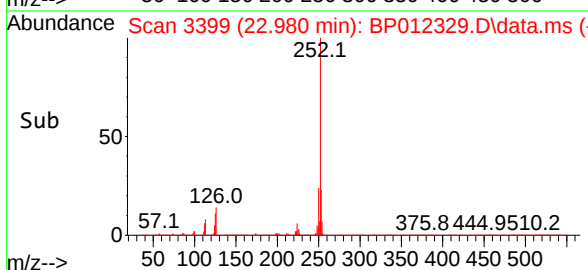
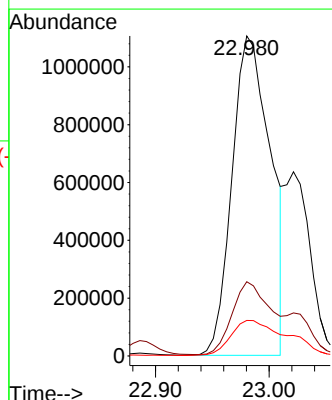
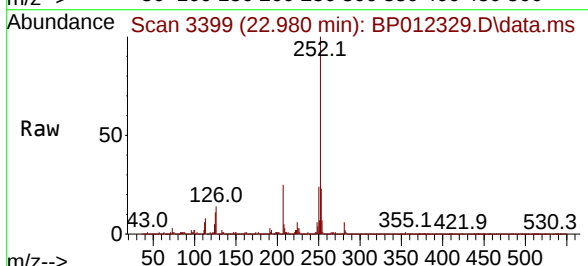
Tgt Ion:252 Resp: 2606111

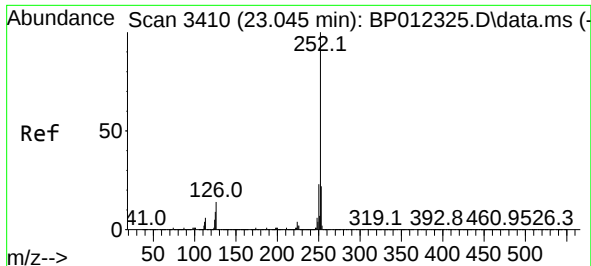
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 11.1 8.7 13.1

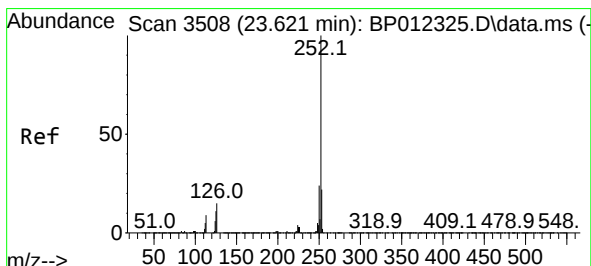
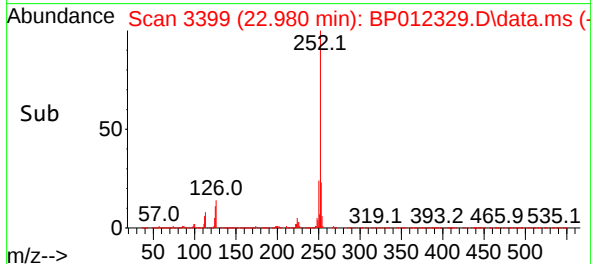
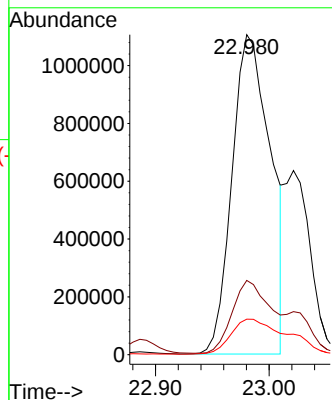
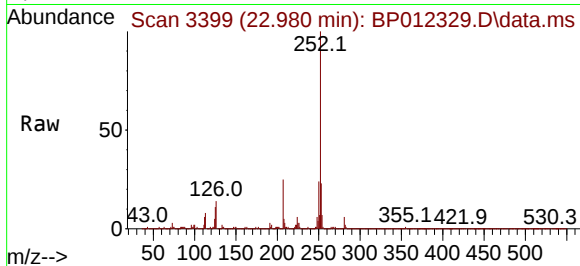




#91  
Benzo(k)fluoranthene  
Concen: 18.235 ng/ul  
RT: 22.980 min Scan# 31  
Delta R.T. -0.047 min  
Lab File: BP012329.D  
Acq: 26 Oct 2022 15:13

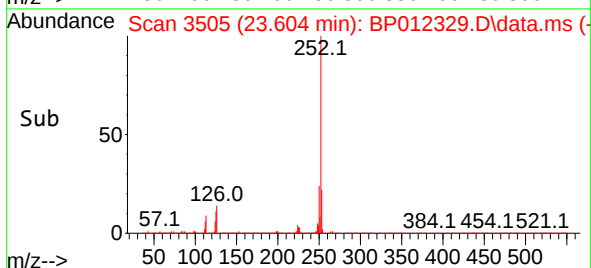
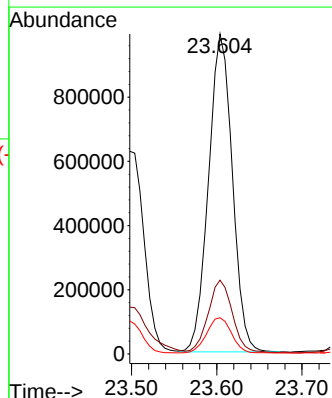
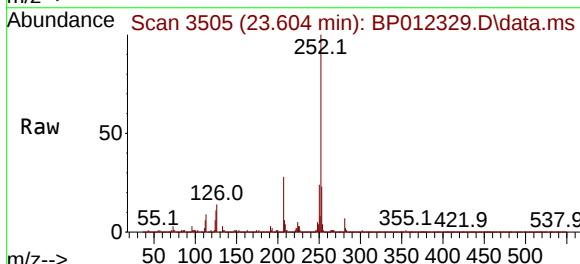
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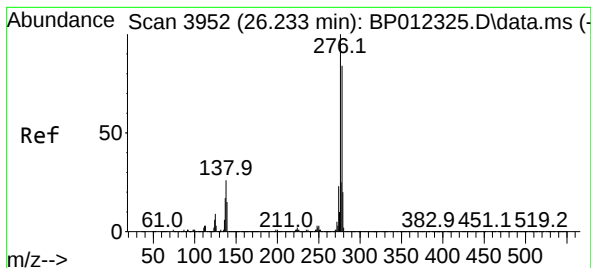
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Ion Ratio Lower Upper  
252 100  
253 23.2 18.0 27.0  
125 11.1 8.7 13.1



#93  
Benzo(a)pyrene  
Concen: 14.701 ng/ul  
RT: 23.604 min Scan# 3505  
Delta R.T. -0.006 min  
Lab File: BP012329.D  
Acq: 26 Oct 2022 15:13

Tgt Ion:252 Resp: 1925215  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.0 27.0  
125 11.3 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 8.444 ng/ul

RT: 26.192 min Scan# 3945

Delta R.T. -0.011 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

Instrument :

BNA\_P

ClientSampleId :

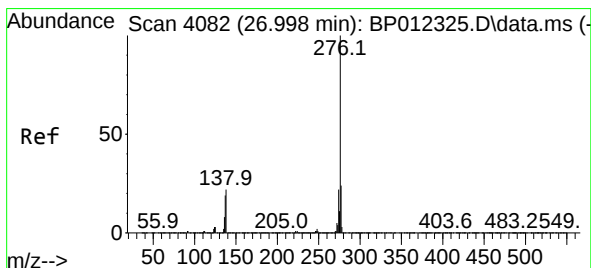
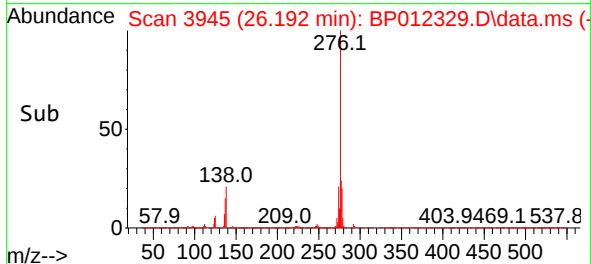
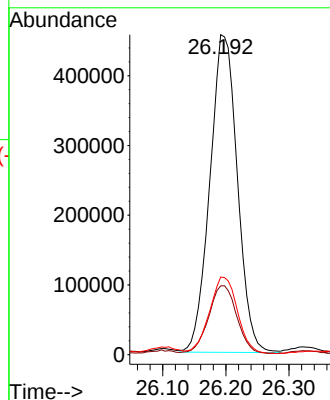
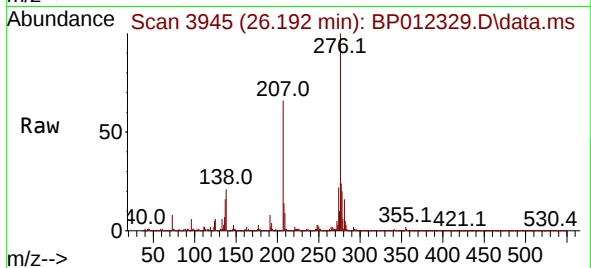
Tgt Ion:276 Resp: 1378030

Ion Ratio Lower Upper

276 100

138 21.5 20.7 31.1

277 24.3 20.2 30.4



#96

Benzo(g,h,i)perylene

Concen: 7.780 ng/ul

RT: 26.968 min Scan# 4077

Delta R.T. -0.006 min

Lab File: BP012329.D

Acq: 26 Oct 2022 15:13

Tgt Ion:276 Resp: 1122303

Ion Ratio Lower Upper

276 100

138 22.1 17.8 26.8

277 23.6 19.5 29.3

