

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
 Data File : BP013005.D  
 Acq On : 09 Dec 2022 03:21  
 Operator : CG/JU  
 Sample : N5832-12DL 10X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 09 04:09:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 08 00:35:07 2022  
 Response via : Initial Calibration

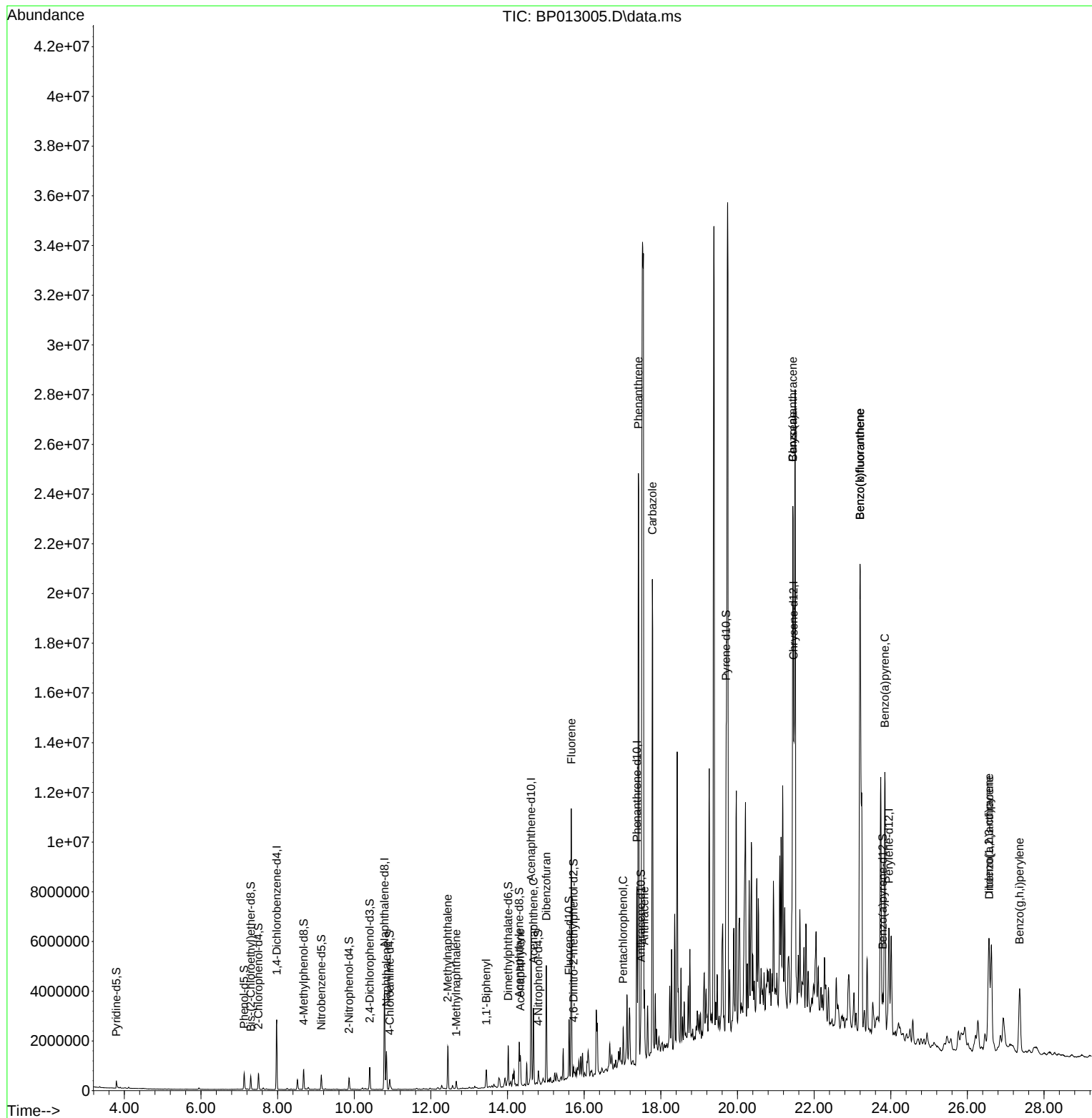
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 788108   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.787 | 136  | 3427539  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.616 | 164  | 2248992  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.375 | 188  | 4827984  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.463 | 240  | 3466176  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.951 | 264  | 3583267  | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.358  | 96   | 17237    | 0.935  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.793  | 84   | 157911   | 3.016  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.128  | 99   | 375548   | 5.850  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 227946   | 5.886  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.499  | 132  | 299397   | 5.925  | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 309162   | 5.878  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.140  | 128  | 138165   | 5.486  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 152121   | 5.366  | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.405 | 165  | 337778   | 6.134  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.928 | 131  | 221602   | 2.850  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 1081561  | 6.257  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.304 | 160  | 1189913  | 6.265  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.804 | 143  | 105534   | 3.394  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.604 | 176  | 983055   | 6.723  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.722 | 200  | 107867   | 3.472  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.481 | 188  | 1449954  | 6.657  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 1586718  | 7.975  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.792 | 264  | 1214974  | 6.803  | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        | Qvalue   |
| 30) Naphthalene               | 10.840 | 128  | 1253905  | 6.995  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.440 | 142  | 820442   | 6.672  | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 139050   | 1.099  | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.446 | 154  | 343797   | 2.035  | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.334 | 152  | 849757   | 4.162  | ng/ul  | 99       |
| 52) Acenaphthene              | 14.675 | 153  | 1273426  | 9.000  | ng/ul  | 99       |
| 56) Dibenzofuran              | 15.010 | 168  | 3022362  | 15.023 | ng/ul  | 99       |
| 61) Fluorene                  | 15.663 | 166  | 5051825  | 31.311 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 17.016 | 266  | 86905    | 2.305  | ng/ul  | 94       |
| 72) Phenanthrene              | 17.416 | 178  | 15385568 | 61.182 | ng/ul# | 88       |
| 74) Anthracene                | 17.569 | 178  | 349084   | 1.390  | ng/ul# | 1        |
| 77) Carbazole                 | 17.781 | 167  | 13402672 | 63.381 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.445 | 228  | 12501821 | 54.332 | ng/ul  | 96       |
| 87) Chrysene                  | 21.445 | 228  | 12489075 | 57.394 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.198 | 252  | 18806174 | 82.304 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.198 | 252  | 18806174 | 83.001 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.845 | 252  | 8637080  | 43.412 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.563 | 276  | 5057095  | 20.406 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.568 | 278  | 1321631  | 6.441  | ng/ul# | 86       |
| 96) Benzo(g,h,i)perylene      | 27.363 | 276  | 3671703  | 18.455 | ng/ul  | 99       |
| -----                         |        |      |          |        |        |          |

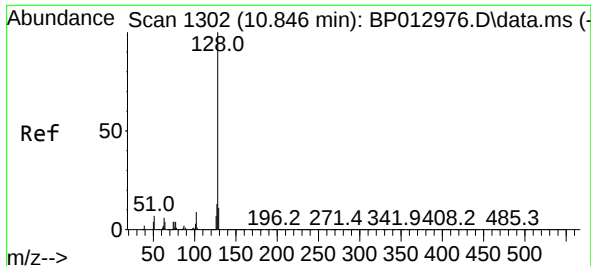
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
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BNA\_P  
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Quant Time: Dec 09 04:09:14 2022  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 08 00:35:07 2022  
Response via : Initial Calibration

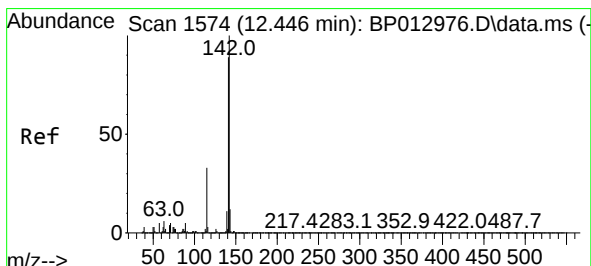
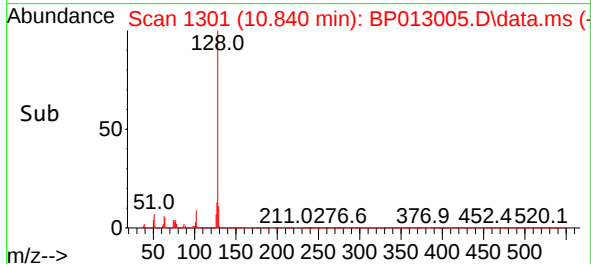
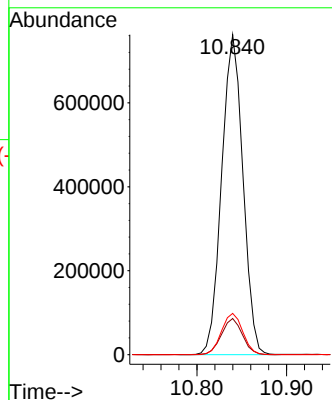
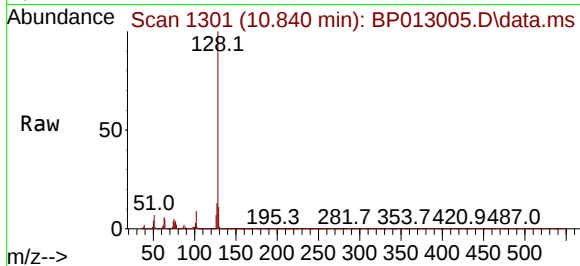




#30  
Naphthalene  
Concen: 6.995 ng/ul  
RT: 10.840 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

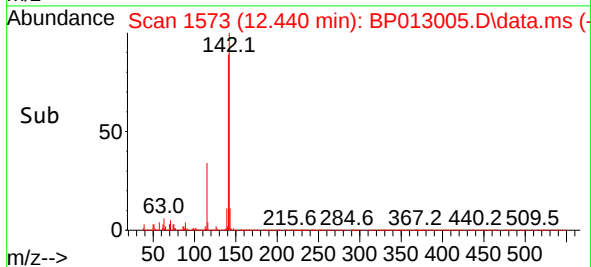
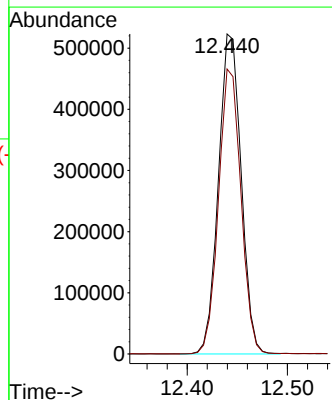
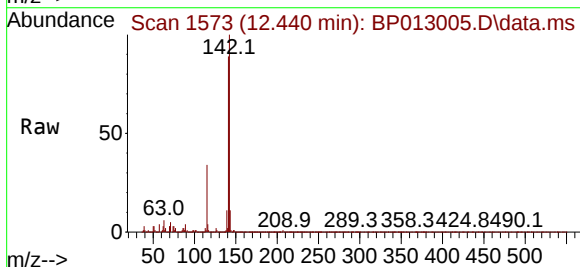
Instrument :  
BNA\_P  
ClientSampleId :

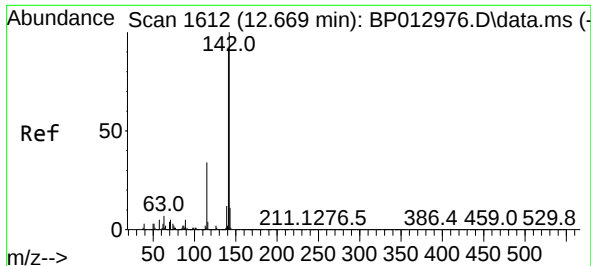
Tgt Ion:128 Resp: 1253905  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.7 13.1  
127 12.9 10.4 15.6



#36  
2-Methylnaphthalene  
Concen: 6.672 ng/ul  
RT: 12.440 min Scan# 1573  
Delta R.T. -0.012 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

Tgt Ion:142 Resp: 820442  
Ion Ratio Lower Upper  
142 100  
141 89.0 70.8 106.2

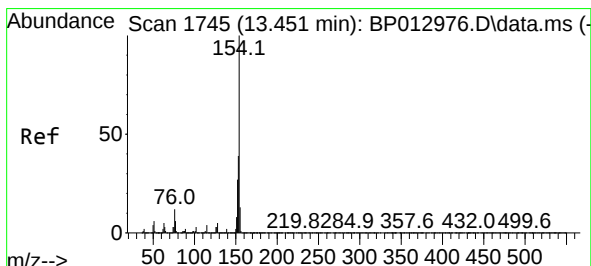
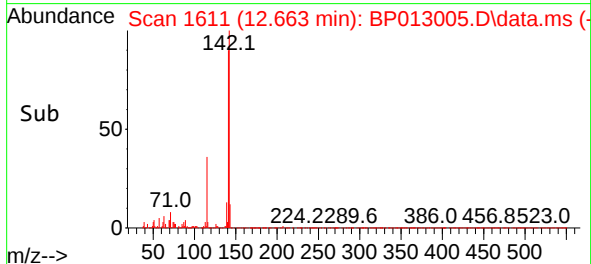
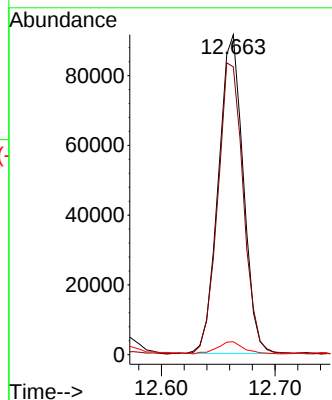
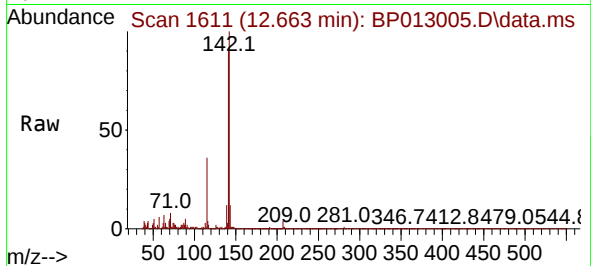




#37  
1-Methylnaphthalene  
Concen: 1.099 ng/ul  
RT: 12.663 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

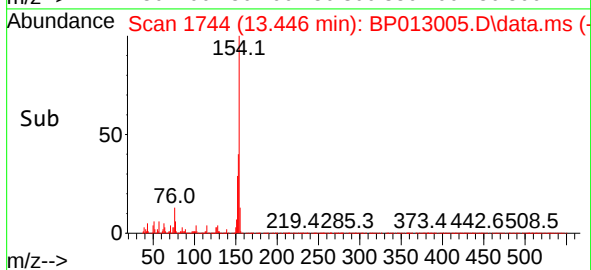
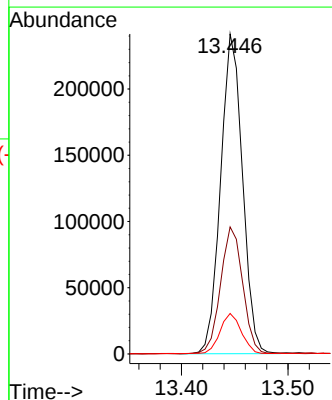
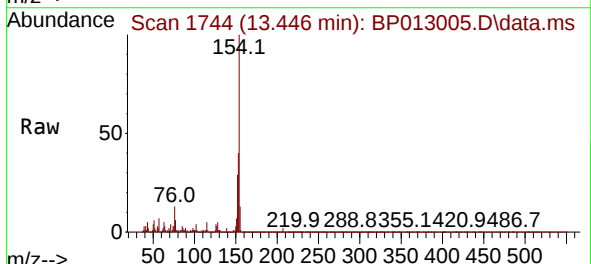
Instrument :  
BNA\_P  
ClientSampleId :

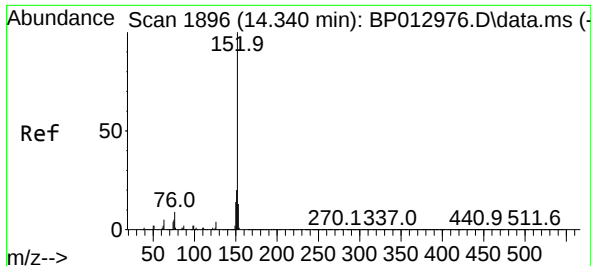
Tgt Ion:142 Resp: 139050  
Ion Ratio Lower Upper  
142 100  
141 89.9 72.7 109.1  
116 4.1 2.7 4.1



#43  
1,1'-Biphenyl  
Concen: 2.035 ng/ul  
RT: 13.446 min Scan# 1744  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

Tgt Ion:154 Resp: 343797  
Ion Ratio Lower Upper  
154 100  
153 39.7 31.5 47.3  
76 12.7 9.6 14.4

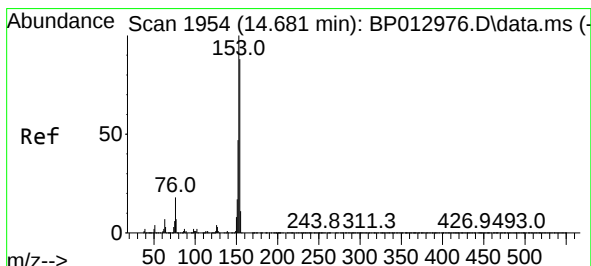
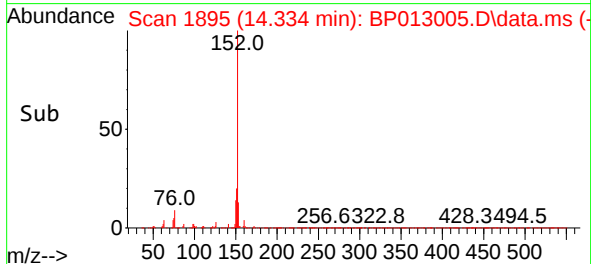
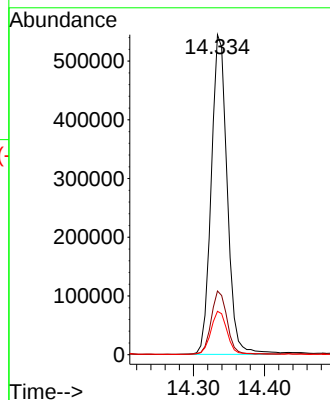
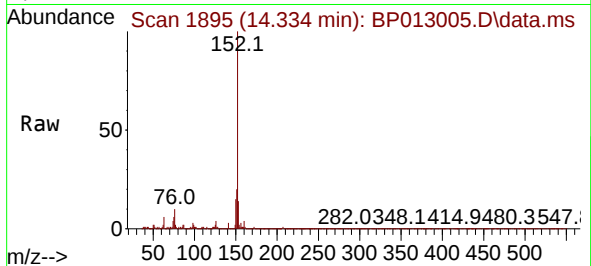




#50  
Acenaphthylene  
Concen: 4.162 ng/ul  
RT: 14.334 min Scan# 1895  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

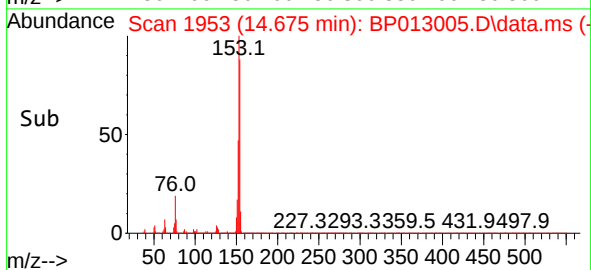
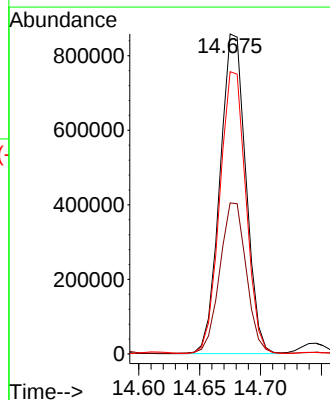
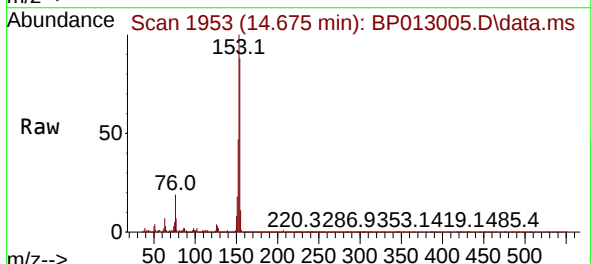
Instrument :  
BNA\_P  
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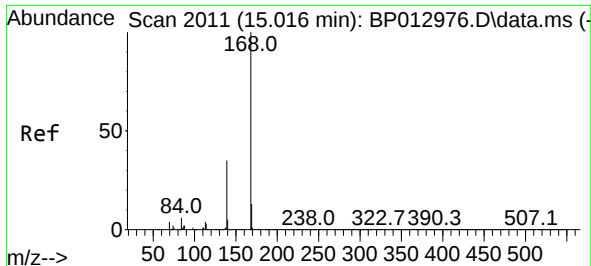
Tgt Ion:152 Resp: 849757  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.8 23.6  
153 13.5 10.6 16.0



#52  
Acenaphthene  
Concen: 9.000 ng/ul  
RT: 14.675 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

Tgt Ion:153 Resp: 1273426  
Ion Ratio Lower Upper  
153 100  
152 47.2 38.2 57.4  
154 88.2 70.8 106.2

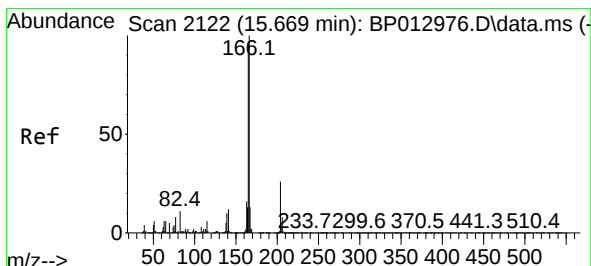
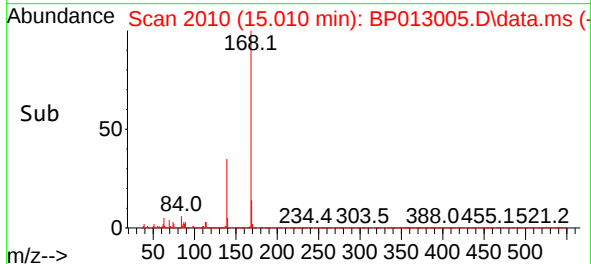
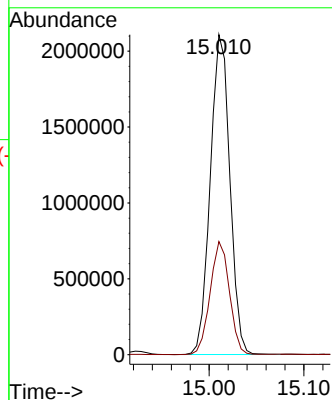
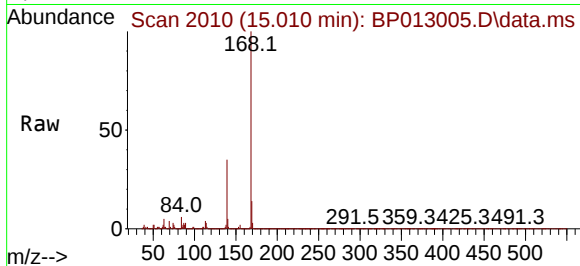




#56  
Dibenzofuran  
Concen: 15.023 ng/ul  
RT: 15.010 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

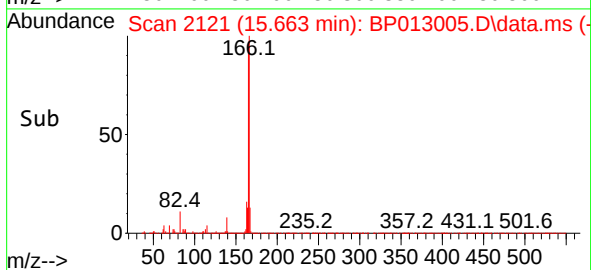
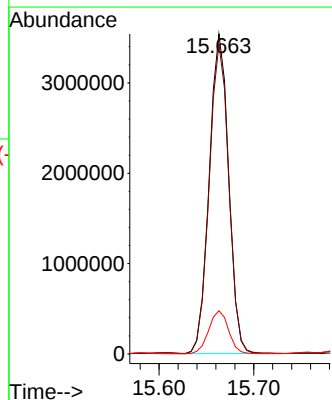
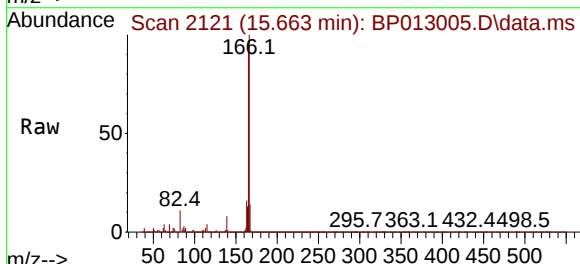
Instrument :  
BNA\_P  
ClientSampleId :

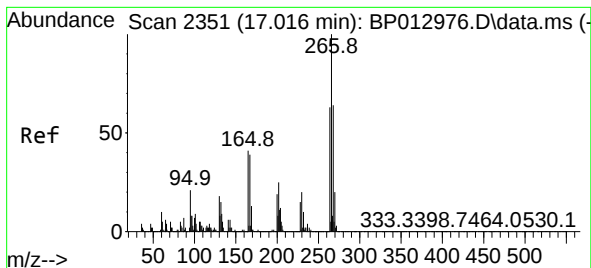
Tgt Ion:168 Resp: 3022362  
Ion Ratio Lower Upper  
168 100  
139 35.4 27.9 41.9



#61  
Fluorene  
Concen: 31.311 ng/ul  
RT: 15.663 min Scan# 2121  
Delta R.T. -0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

Tgt Ion:166 Resp: 5051825  
Ion Ratio Lower Upper  
166 100  
165 96.9 77.4 116.2  
167 13.5 10.6 16.0





#71

Pentachlorophenol

Concen: 2.305 ng/ul

RT: 17.016 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013005.D

Acq: 09 Dec 2022 03:21

Instrument :

BNA\_P

ClientSampleId :

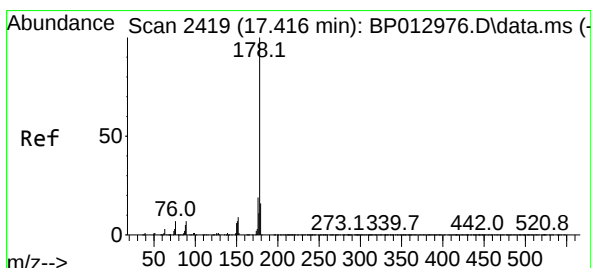
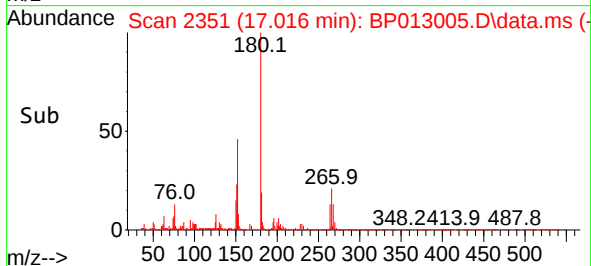
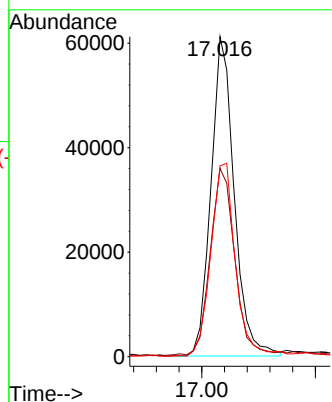
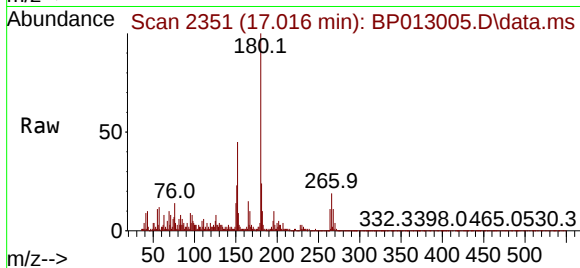
Tgt Ion:266 Resp: 86905

Ion Ratio Lower Upper

266 100

264 58.8 50.9 76.3

268 59.6 51.4 77.2



#72

Phenanthrene

Concen: 61.182 ng/ul

RT: 17.416 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BP013005.D

Acq: 09 Dec 2022 03:21

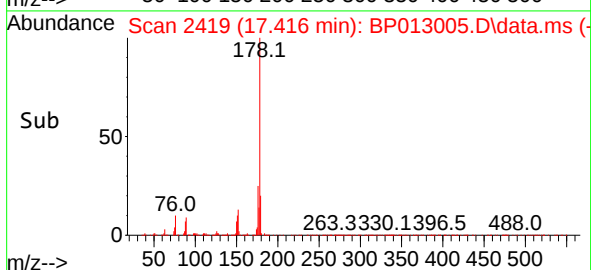
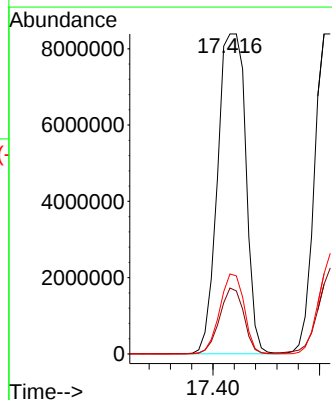
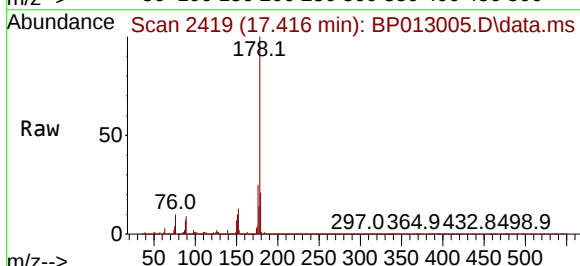
Tgt Ion:178 Resp:15385568

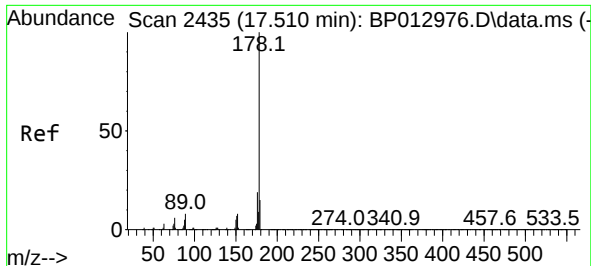
Ion Ratio Lower Upper

178 100

179 20.6 12.5 18.7#

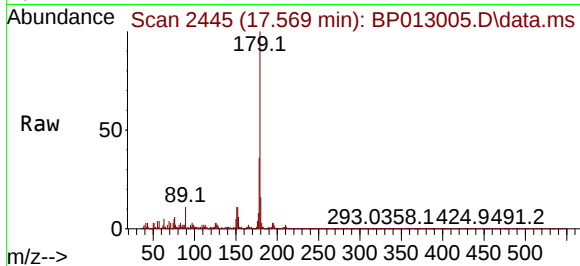
176 25.0 15.4 23.0#



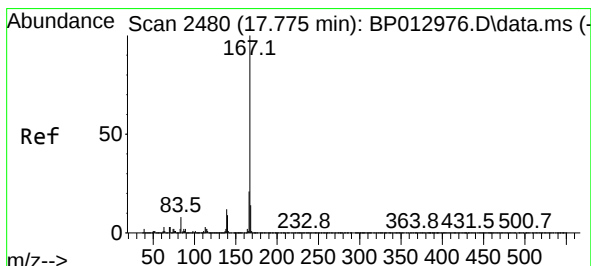
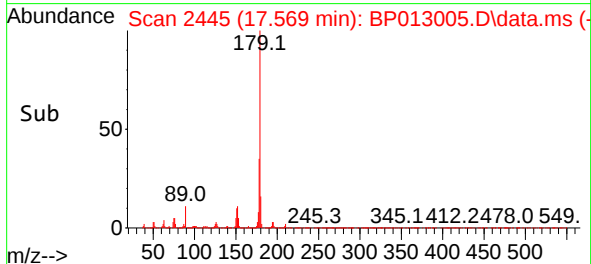
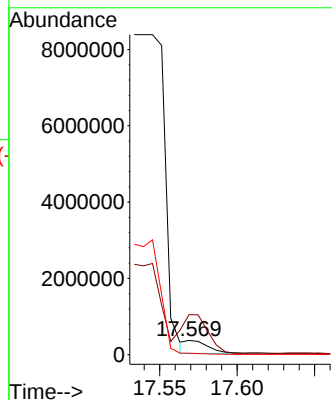


#74  
 Anthracene  
 Concen: 1.390 ng/ul  
 RT: 17.569 min Scan# 2435  
 Delta R.T. 0.059 min  
 Lab File: BP013005.D  
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 ClientSampleId :

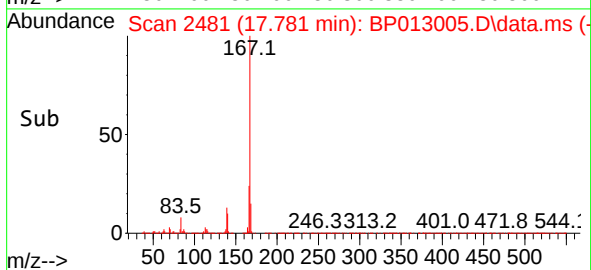
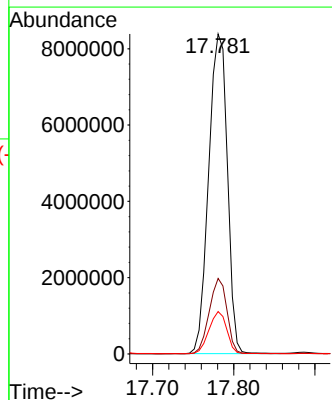
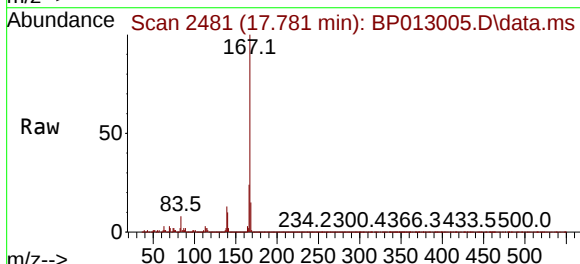


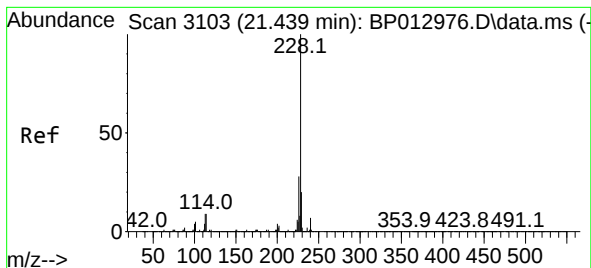
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 Ion Ratio Lower Upper  
 178 100  
 179 281.6 12.5 18.7#  
 176 9.9 14.8 22.2#



#77  
 Carbazole  
 Concen: 63.381 ng/ul  
 RT: 17.781 min Scan# 2481  
 Delta R.T. 0.006 min  
 Lab File: BP013005.D  
 Acq: 09 Dec 2022 03:21

Tgt Ion:167 Resp:13402672  
 Ion Ratio Lower Upper  
 167 100  
 166 23.6 17.2 25.8  
 139 13.2 9.4 14.2





#85

Benzo(a)anthracene

Concen: 54.332 ng/ul

RT: 21.445 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP013005.D

Acq: 09 Dec 2022 03:21

Instrument :

BNA\_P

ClientSampleId :

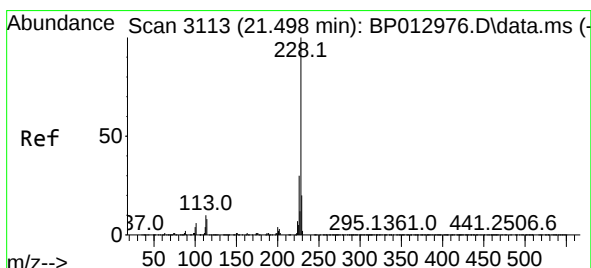
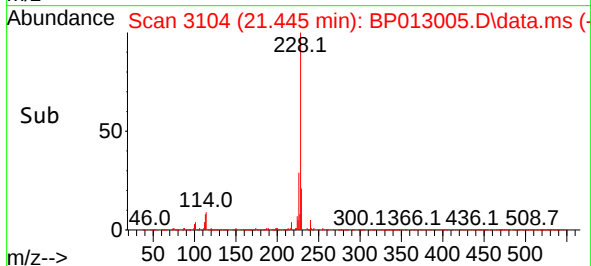
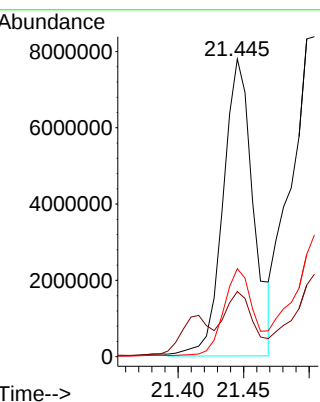
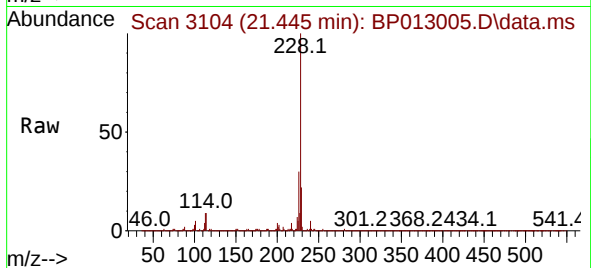
Tgt Ion:228 Resp:12501821

Ion Ratio Lower Upper

228 100

229 21.9 16.1 24.1

226 29.5 22.0 33.0



#87

Chrysene

Concen: 57.394 ng/ul

RT: 21.445 min Scan# 3104

Delta R.T. -0.053 min

Lab File: BP013005.D

Acq: 09 Dec 2022 03:21

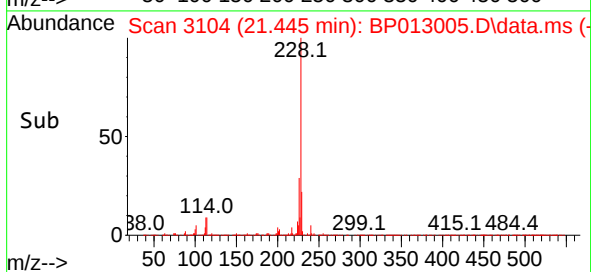
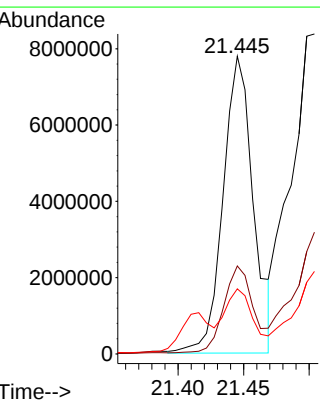
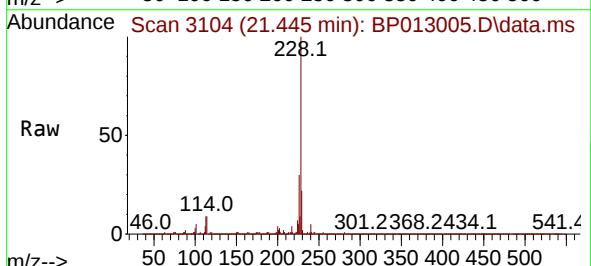
Tgt Ion:228 Resp:12489075

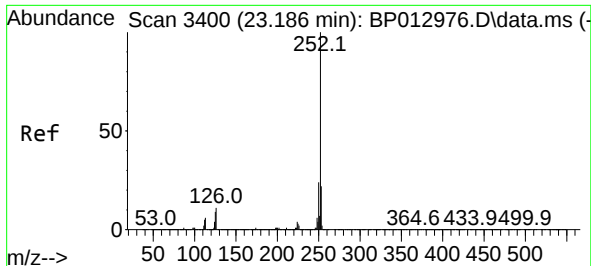
Ion Ratio Lower Upper

228 100

226 29.5 24.5 36.7

229 21.9 16.0 24.0

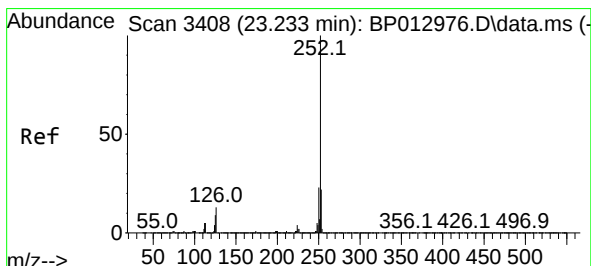
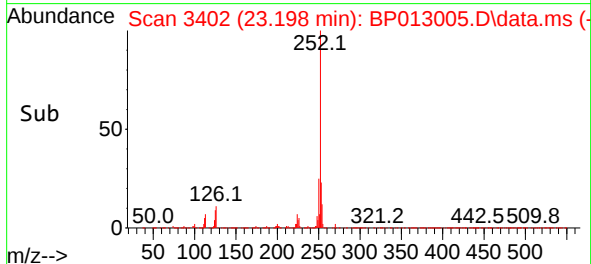
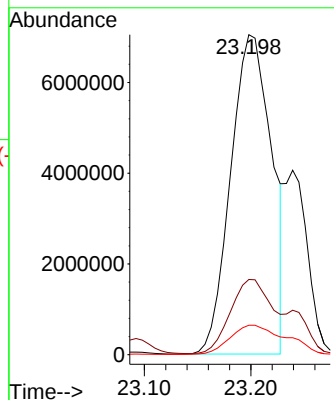
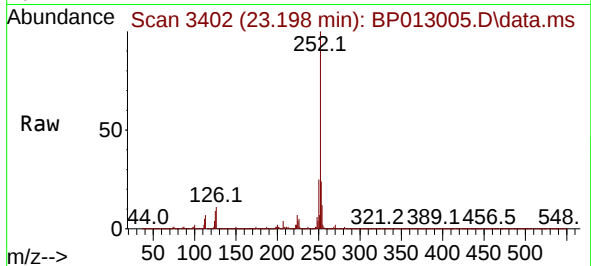




#90  
Benzo(b)fluoranthene  
Concen: 82.304 ng/u1  
RT: 23.198 min Scan# 3402  
Delta R.T. 0.012 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

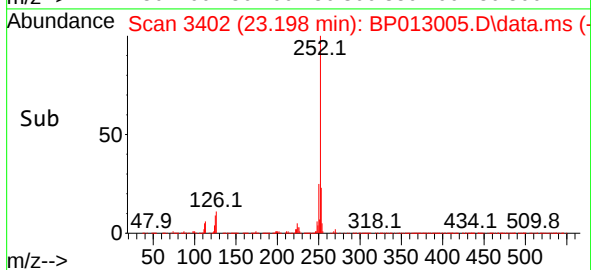
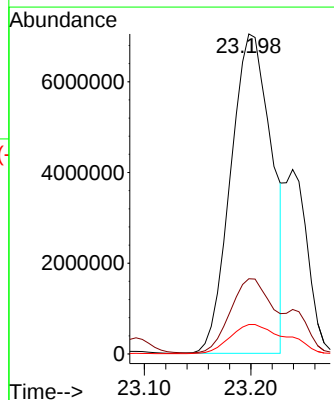
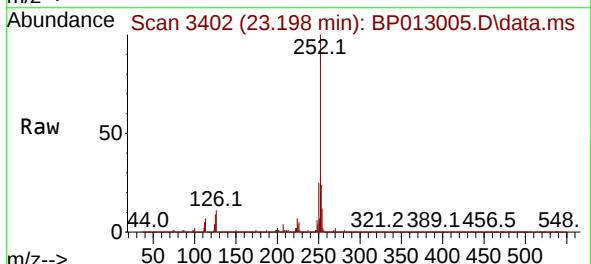
Instrument :  
BNA\_P  
ClientSampleId :

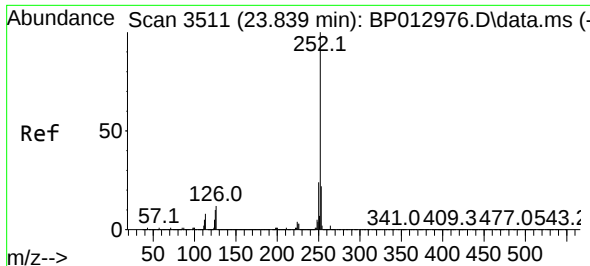
Tgt Ion:252 Resp:18806174  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.7 26.5  
125 9.2 6.8 10.2



#91  
Benzo(k)fluoranthene  
Concen: 83.001 ng/u1  
RT: 23.198 min Scan# 3402  
Delta R.T. -0.035 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

Tgt Ion:252 Resp:18806174  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.7 26.5  
125 9.2 6.8 10.2

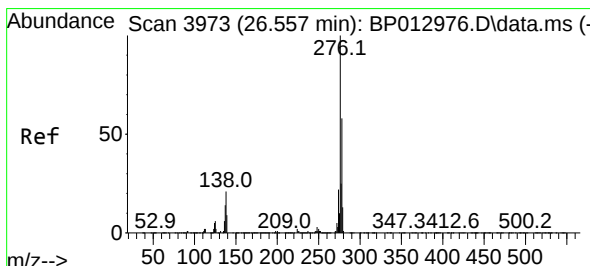
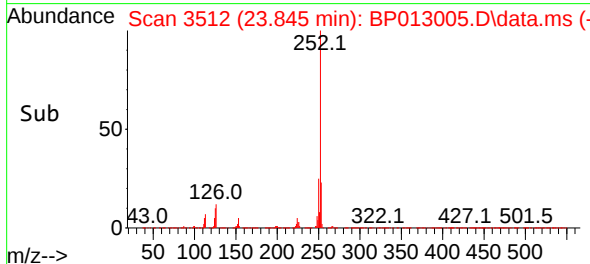
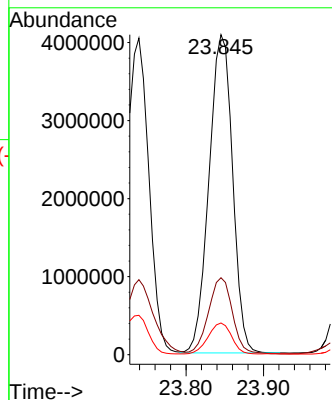
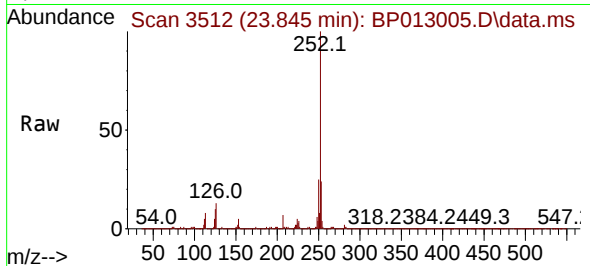




#93  
Benzo(a)pyrene  
Concen: 43.412 ng/ul  
RT: 23.845 min Scan# 3511  
Delta R.T. 0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

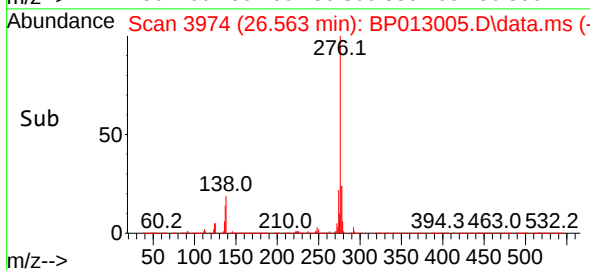
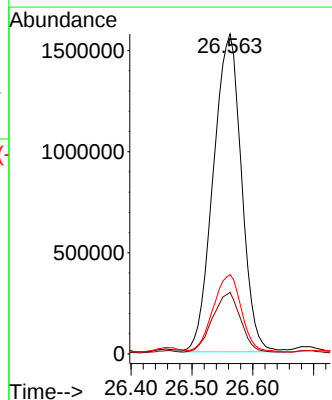
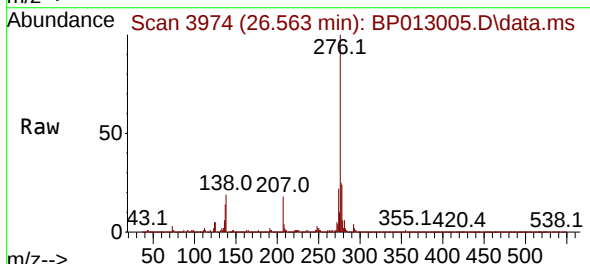
Instrument :  
BNA\_P  
ClientSampleId :

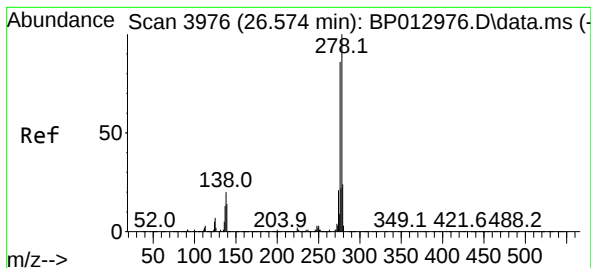
Tgt Ion:252 Resp: 8637080  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.5 26.3  
125 9.9 7.5 11.3



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 20.406 ng/ul  
RT: 26.563 min Scan# 3974  
Delta R.T. 0.006 min  
Lab File: BP013005.D  
Acq: 09 Dec 2022 03:21

Tgt Ion:276 Resp: 5057095  
Ion Ratio Lower Upper  
276 100  
138 19.3 17.1 25.7  
277 24.8 20.0 30.0





#95

Dibenzo(a,h)anthracene

Concen: 6.441 ng/ul

RT: 26.568 min Scan# 3976

Delta R.T. 0.000 min

Lab File: BP013005.D

Acq: 09 Dec 2022 03:21

Instrument :

BNA\_P

ClientSampleId :

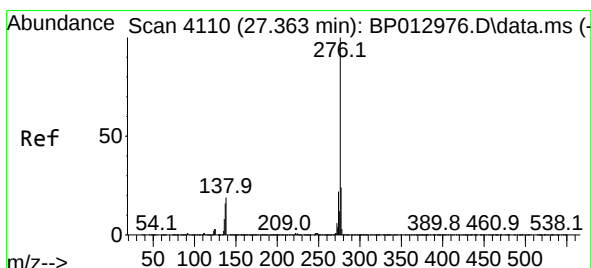
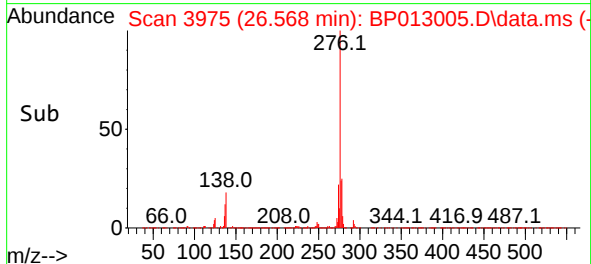
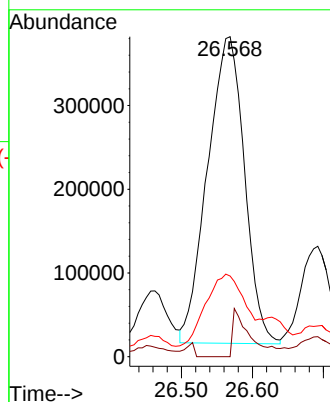
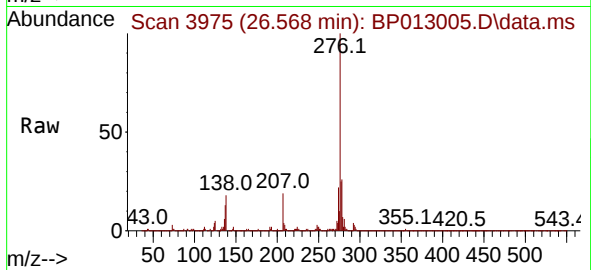
Tgt Ion:278 Resp: 1321631

Ion Ratio Lower Upper

278 100

139 0.0 11.1 16.7#

279 25.2 19.0 28.6



#96

Benzo(g,h,i)perylene

Concen: 18.455 ng/ul

RT: 27.363 min Scan# 4110

Delta R.T. 0.012 min

Lab File: BP013005.D

Acq: 09 Dec 2022 03:21

Tgt Ion:276 Resp: 3671703

Ion Ratio Lower Upper

276 100

138 19.3 15.4 23.2

277 24.4 19.1 28.7

