

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
 Data File : BP013022.D  
 Acq On : 09 Dec 2022 17:23  
 Operator : CG/JU  
 Sample : N5896-15  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBXN3

Quant Time: Dec 09 21:56:57 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

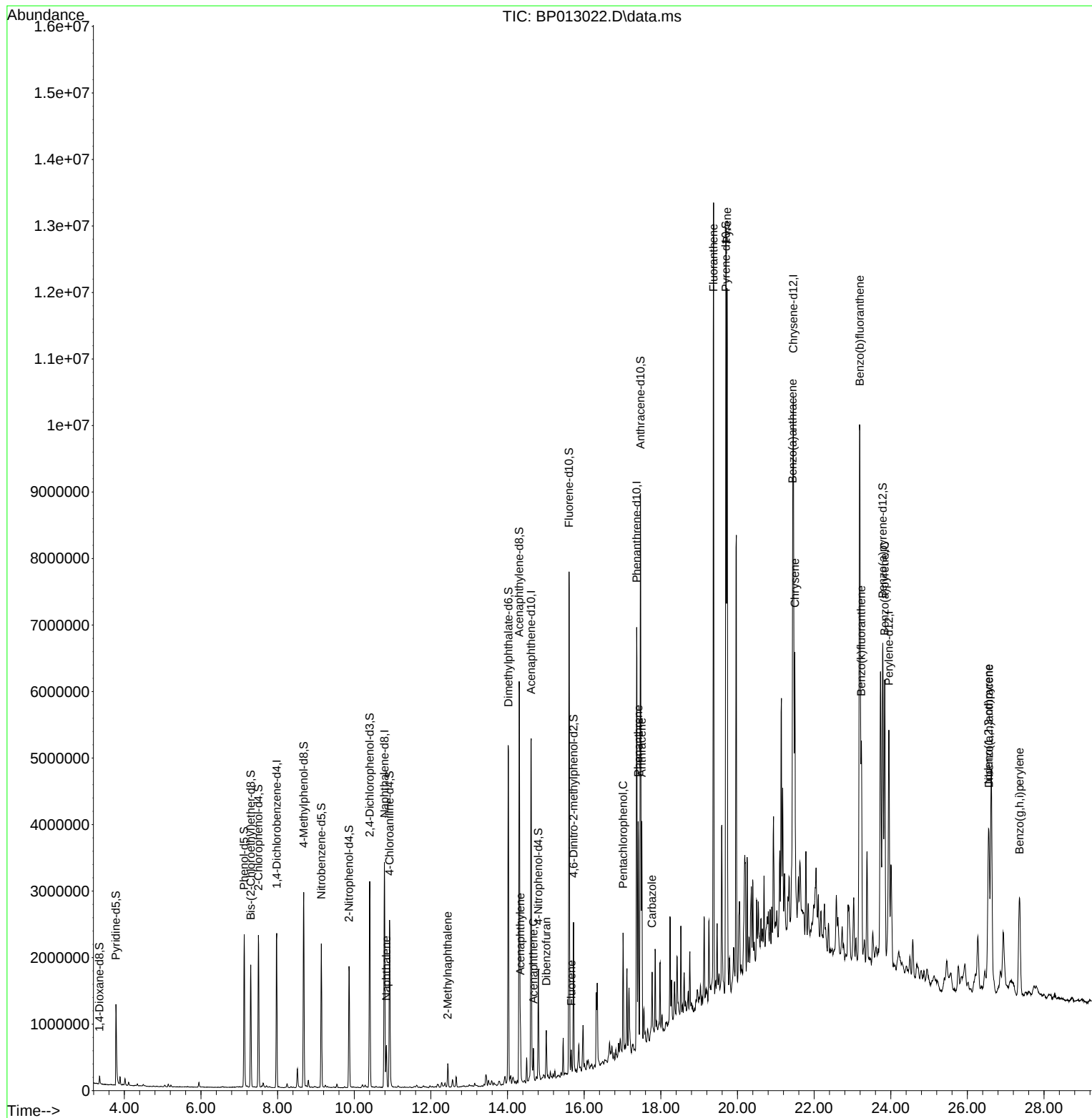
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 653067   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.787 | 136  | 2830920  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.616 | 164  | 1838895  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.369 | 188  | 3963419  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.457 | 240  | 3076923  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.951 | 264  | 2778777  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 60721    | 3.975  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 671436   | 15.475 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.128  | 99   | 1336799  | 25.131 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 781267   | 24.347 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.499  | 132  | 1078952  | 25.766 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 1112174  | 25.517 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.140  | 128  | 541538   | 26.036 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 630358   | 26.920 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.405 | 165  | 1192436  | 26.217 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.922 | 131  | 1376177  | 21.433 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.022 | 166  | 3667683  | 25.952 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.304 | 160  | 4049209  | 26.074 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.804 | 143  | 432029   | 16.994 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.604 | 176  | 3129746  | 26.176 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.722 | 200  | 488900   | 19.168 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.469 | 188  | 4862642  | 27.195 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.698 | 212  | 5415718  | 30.664 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.792 | 264  | 3805447  | 27.475 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.840 | 128  | 505366   | 3.413  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.440 | 142  | 165910   | 1.633  | ng/u1  | 97       |
| 50) Acenaphthylene            | 14.334 | 152  | 618517   | 3.705  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.675 | 153  | 197029   | 1.703  | ng/u1  | 99       |
| 56) Dibenzofuran              | 15.010 | 168  | 414638   | 2.521  | ng/u1  | 99       |
| 61) Fluorene                  | 15.663 | 166  | 164976   | 1.251  | ng/u1  | 98       |
| 71) Pentachlorophenol         | 17.016 | 266  | 239139   | 7.726  | ng/u1  | 100      |
| 72) Phenanthrene              | 17.410 | 178  | 1986069  | 9.621  | ng/u1  | 100      |
| 74) Anthracene                | 17.504 | 178  | 2052994  | 9.960  | ng/u1  | 99       |
| 77) Carbazole                 | 17.769 | 167  | 518534   | 2.987  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.375 | 202  | 7216042  | 35.998 | ng/u1  | 100      |
| 82) Pyrene                    | 19.728 | 202  | 6452024  | 31.203 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.439 | 228  | 3257347  | 15.947 | ng/u1  | 97       |
| 87) Chrysene                  | 21.498 | 228  | 3074962  | 15.919 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.192 | 252  | 7090945  | 40.018 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.233 | 252  | 2011547  | 11.448 | ng/u1  | 96       |
| 93) Benzo(a)pyrene            | 23.839 | 252  | 3232338  | 20.950 | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.551 | 276  | 2834275  | 14.748 | ng/u1  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.563 | 278  | 706057   | 4.437  | ng/u1# | 85       |
| 96) Benzo(g,h,i)perylene      | 27.362 | 276  | 2213047  | 14.344 | ng/u1  | 99       |

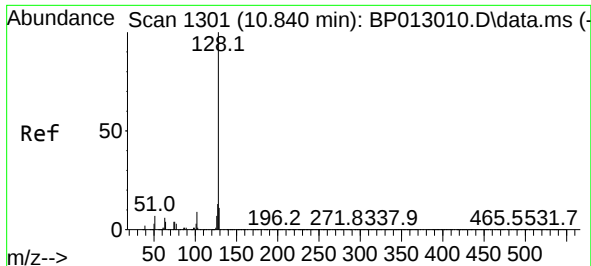
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
Data File : BP013022.D  
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DBXN3

Quant Time: Dec 09 21:56:57 2022  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 08 00:35:07 2022  
Response via : Initial Calibration

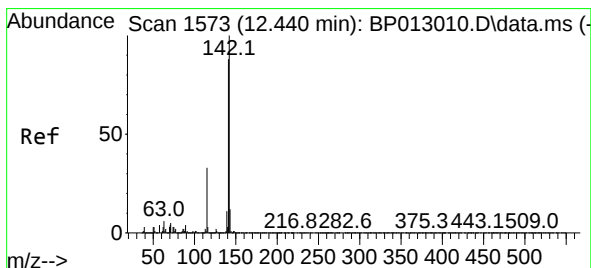
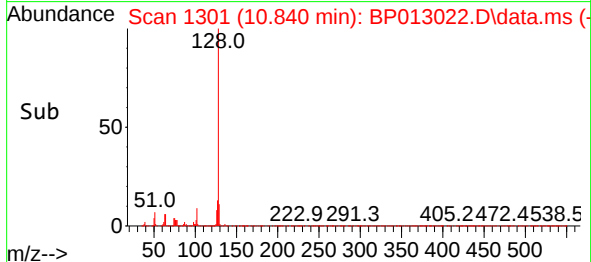
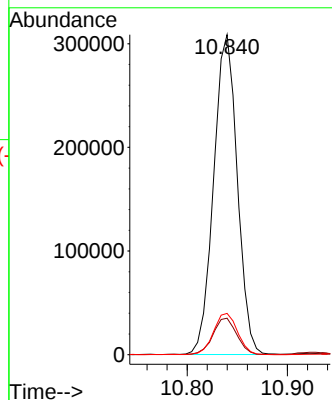
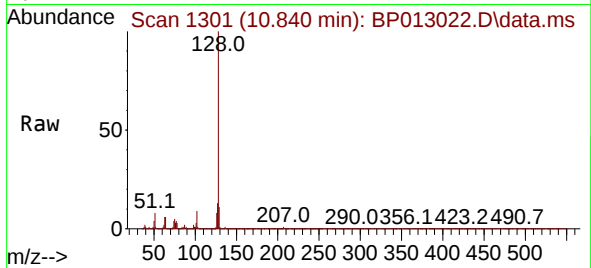




#30  
Naphthalene  
Concen: 3.413 ng/ul  
RT: 10.840 min Scan# 1301  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

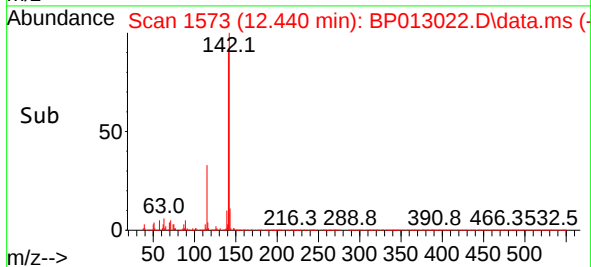
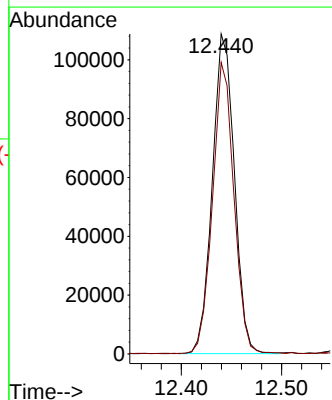
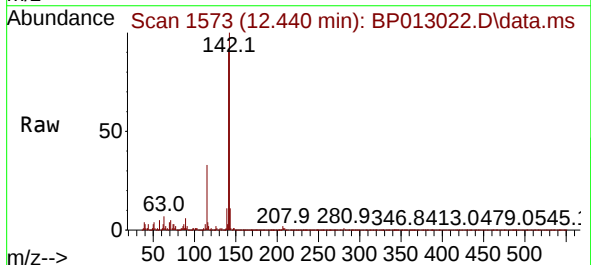
Instrument :  
BNA\_P  
ClientSampleId :  
DBXN3

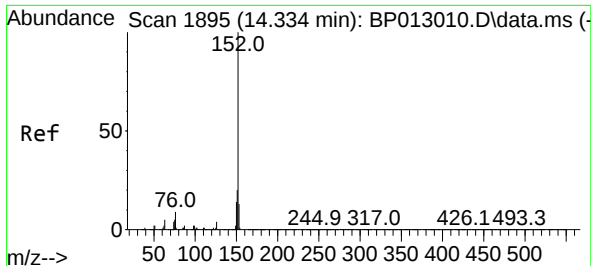
Tgt Ion:128 Resp: 505366  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.7 13.1  
127 12.9 10.4 15.6



#36  
2-Methylnaphthalene  
Concen: 1.633 ng/ul  
RT: 12.440 min Scan# 1573  
Delta R.T. -0.012 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Tgt Ion:142 Resp: 165910  
Ion Ratio Lower Upper  
142 100  
141 91.1 70.8 106.2

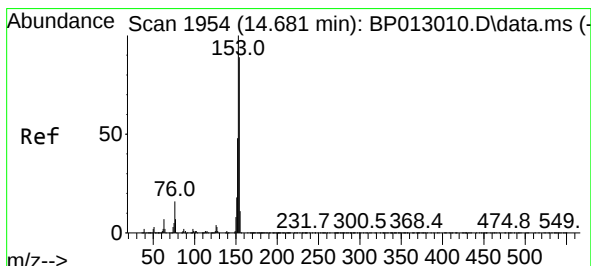
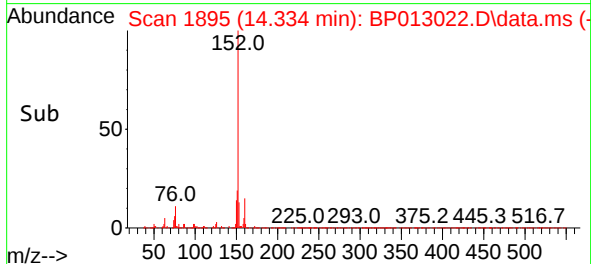
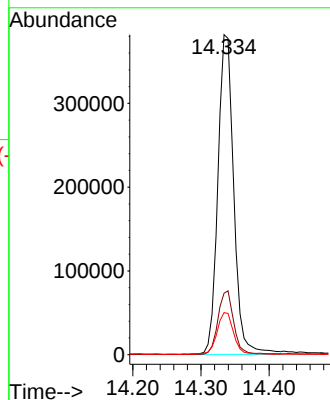
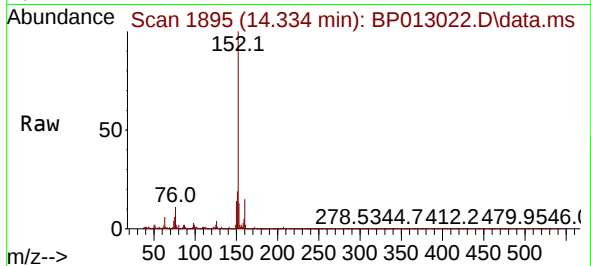




#50  
Acenaphthylene  
Concen: 3.705 ng/ul  
RT: 14.334 min Scan# 1895  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

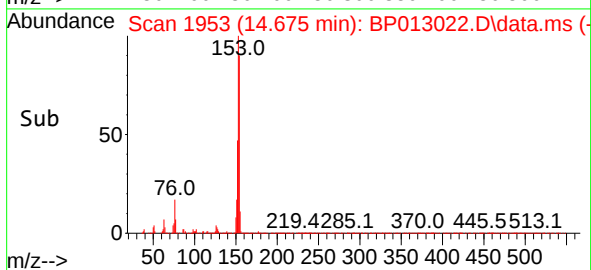
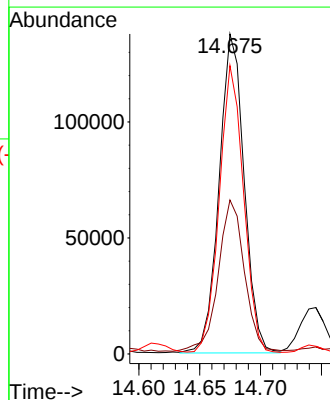
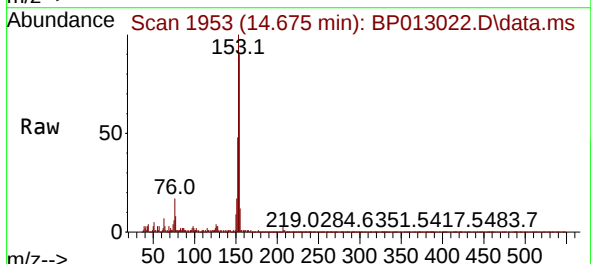
Instrument :  
BNA\_P  
ClientSampleId :  
DBXN3

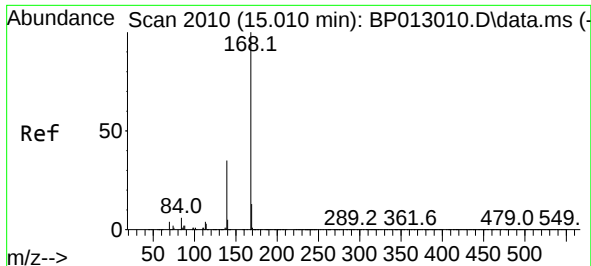
Tgt Ion:152 Resp: 618517  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.8 23.6  
153 13.2 10.6 16.0



#52  
Acenaphthene  
Concen: 1.703 ng/ul  
RT: 14.675 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Tgt Ion:153 Resp: 197029  
Ion Ratio Lower Upper  
153 100  
152 48.1 38.2 57.4  
154 90.1 70.8 106.2

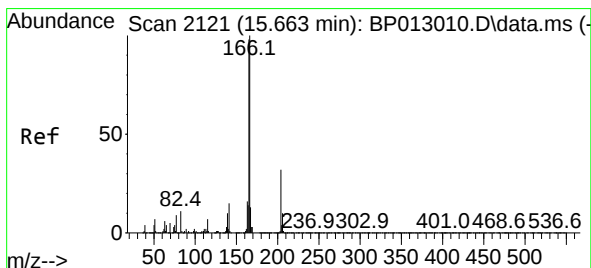
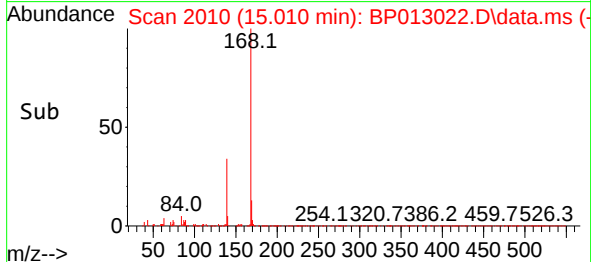
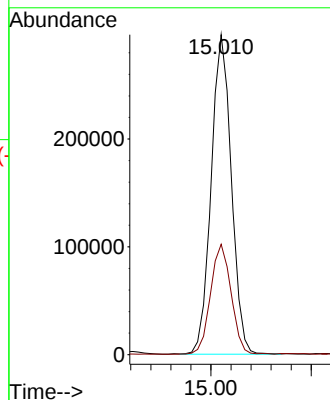
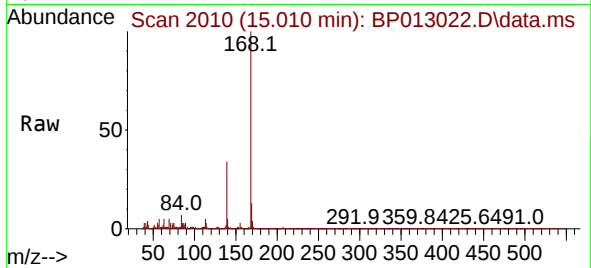




#56  
Dibenzofuran  
Concen: 2.521 ng/ul  
RT: 15.010 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

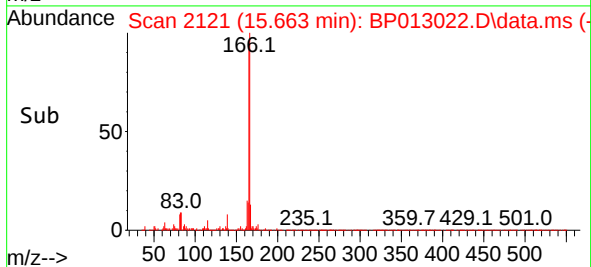
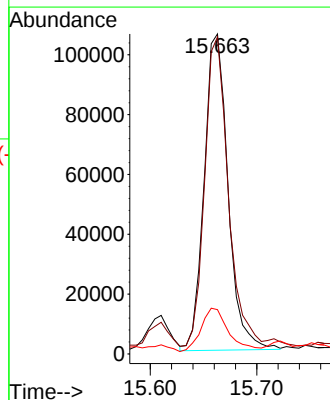
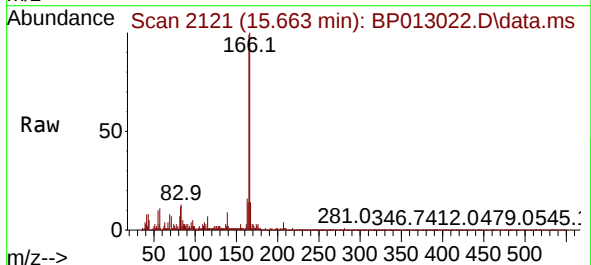
Instrument :  
BNA\_P  
ClientSampleId :  
DBXN3

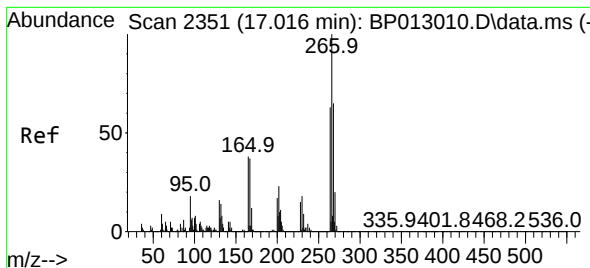
Tgt Ion:168 Resp: 414638  
Ion Ratio Lower Upper  
168 100  
139 34.5 27.9 41.9



#61  
Fluorene  
Concen: 1.251 ng/ul  
RT: 15.663 min Scan# 2121  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Tgt Ion:166 Resp: 164976  
Ion Ratio Lower Upper  
166 100  
165 99.1 77.4 116.2  
167 13.9 10.6 16.0

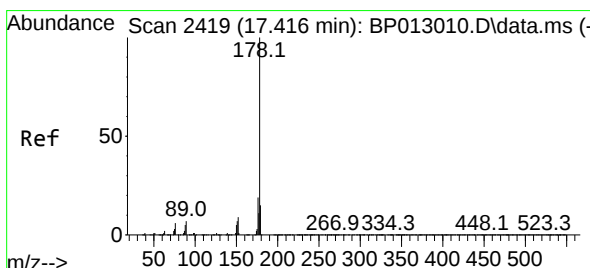
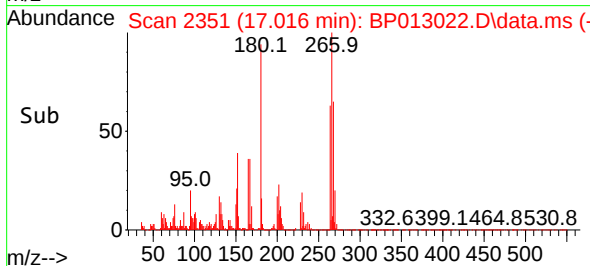
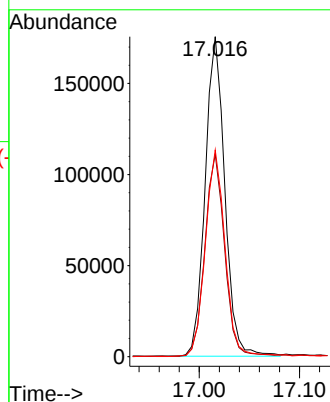
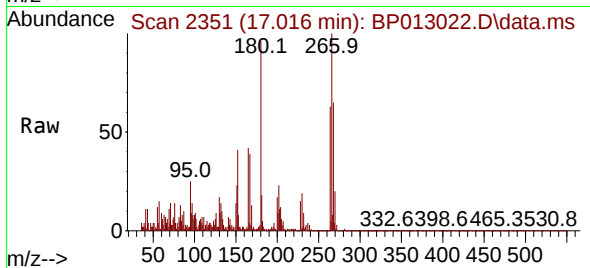




#71  
 Pentachlorophenol  
 Concen: 7.726 ng/ul  
 RT: 17.016 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BP013022.D  
 Acq: 09 Dec 2022 17:23

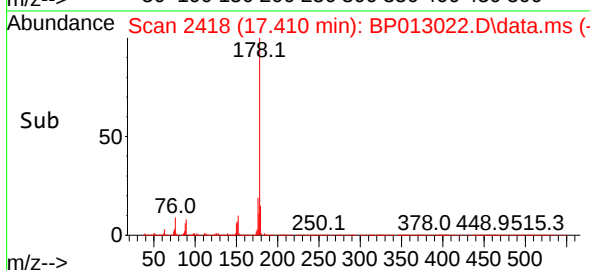
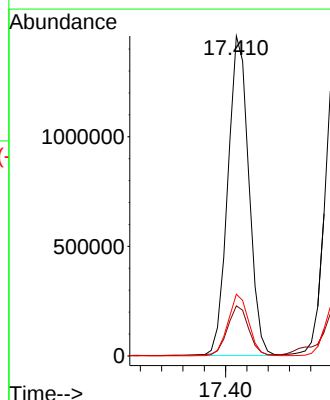
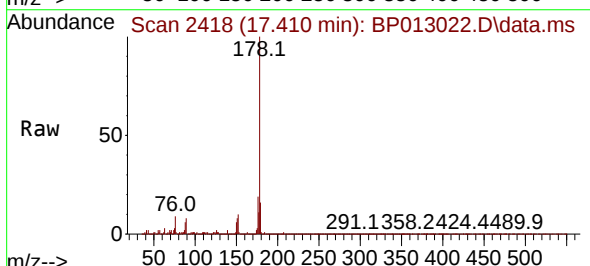
Instrument :  
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 ClientSampleId :  
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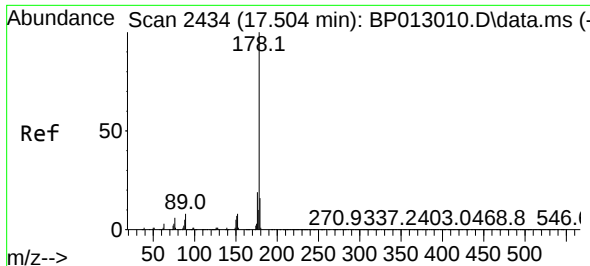
Tgt Ion:266 Resp: 239139  
 Ion Ratio Lower Upper  
 266 100  
 264 63.2 50.9 76.3  
 268 64.6 51.4 77.2



#72  
 Phenanthrene  
 Concen: 9.621 ng/ul  
 RT: 17.410 min Scan# 2418  
 Delta R.T. -0.006 min  
 Lab File: BP013022.D  
 Acq: 09 Dec 2022 17:23

Tgt Ion:178 Resp: 1986069  
 Ion Ratio Lower Upper  
 178 100  
 179 15.6 12.5 18.7  
 176 19.3 15.4 23.0



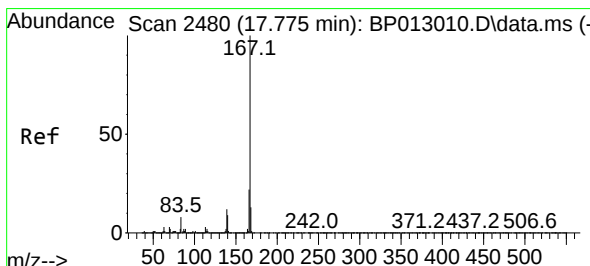
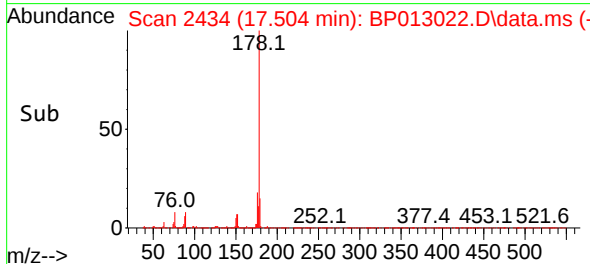
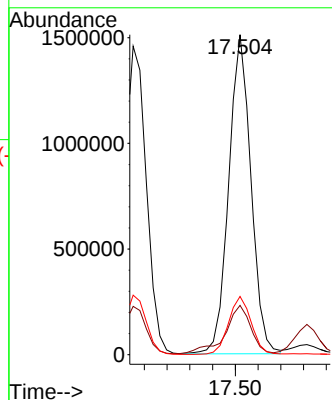
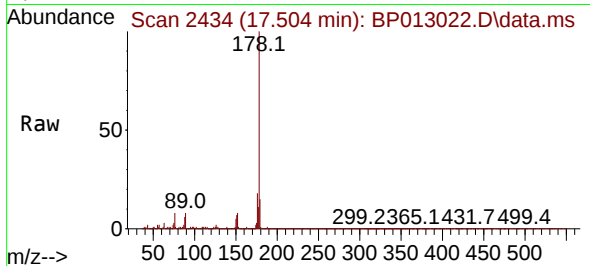


#74  
 Anthracene  
 Concen: 9.960 ng/ul  
 RT: 17.504 min Scan# 2434  
 Delta R.T. -0.006 min  
 Lab File: BP013022.D  
 Acq: 09 Dec 2022 17:23

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBXN3

Tgt Ion:178 Resp: 2052994  

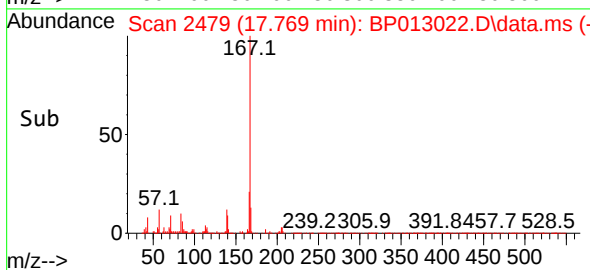
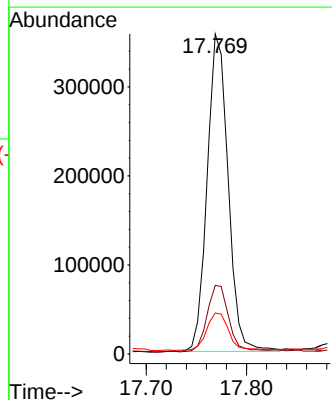
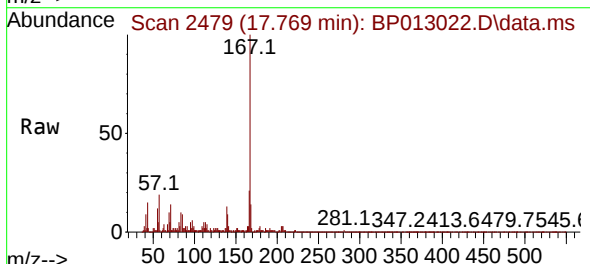
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.4  | 12.5  | 18.7  |
| 176 | 18.2  | 14.8  | 22.2  |

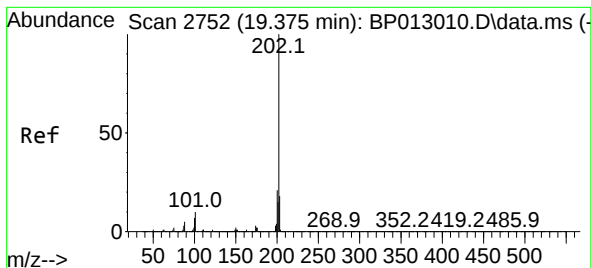


#77  
 Carbazole  
 Concen: 2.987 ng/ul  
 RT: 17.769 min Scan# 2479  
 Delta R.T. -0.006 min  
 Lab File: BP013022.D  
 Acq: 09 Dec 2022 17:23

Tgt Ion:167 Resp: 518534  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.4  | 17.2  | 25.8  |
| 139 | 12.8  | 9.4   | 14.2  |





#80

Fluoranthene

Concen: 35.998 ng/ul

RT: 19.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013022.D

Acq: 09 Dec 2022 17:23

Instrument :

BNA\_P

ClientSampleId :

DBXN3

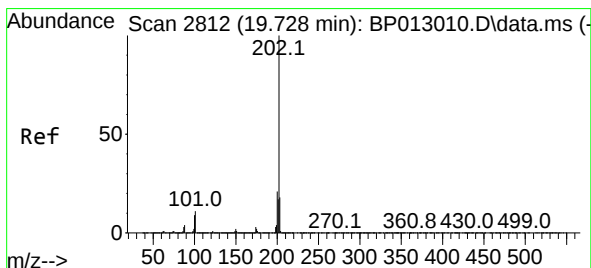
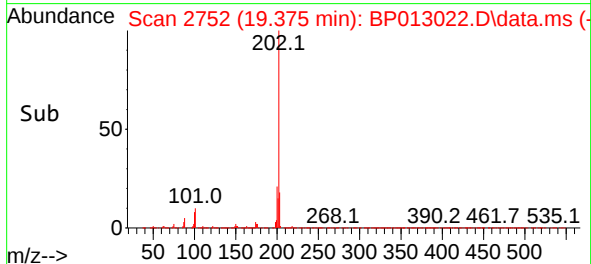
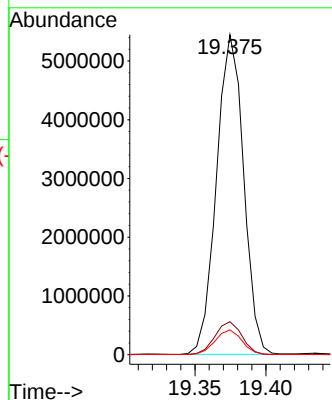
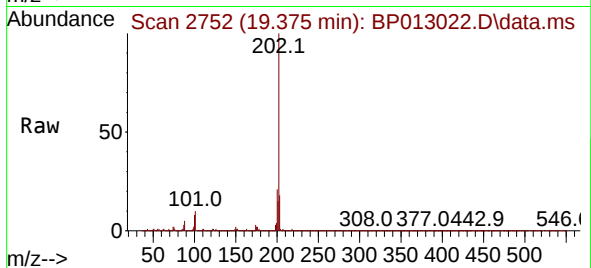
Tgt Ion:202 Resp: 7216042

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

100 7.8 6.1 9.1



#82

Pyrene

Concen: 31.203 ng/ul

RT: 19.728 min Scan# 2812

Delta R.T. 0.000 min

Lab File: BP013022.D

Acq: 09 Dec 2022 17:23

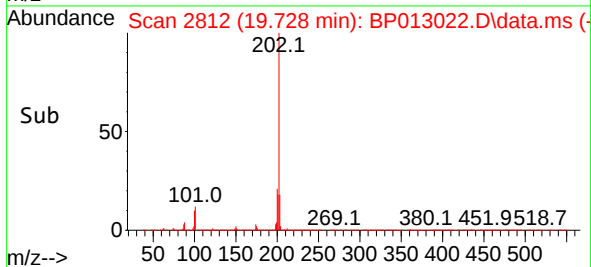
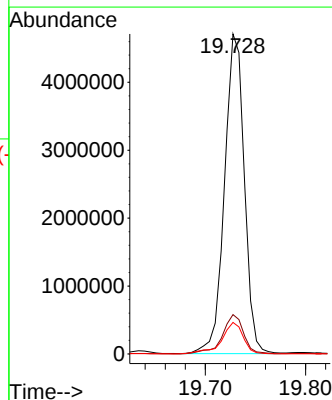
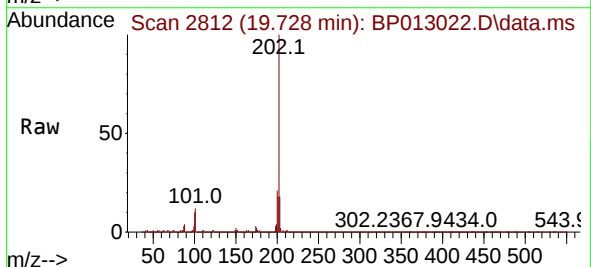
Tgt Ion:202 Resp: 6452024

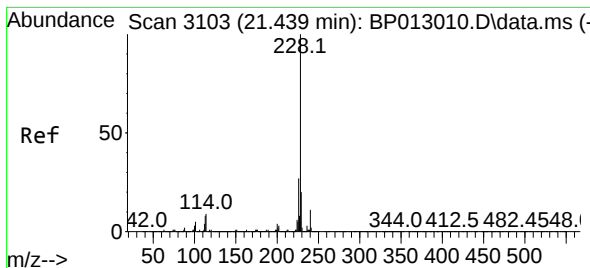
Ion Ratio Lower Upper

202 100

101 12.3 9.4 14.2

100 9.9 7.8 11.8





#85

Benzo(a)anthracene

Concen: 15.947 ng/ul

RT: 21.439 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BP013022.D

Acq: 09 Dec 2022 17:23

Instrument :

BNA\_P

ClientSampleId :

DBXN3

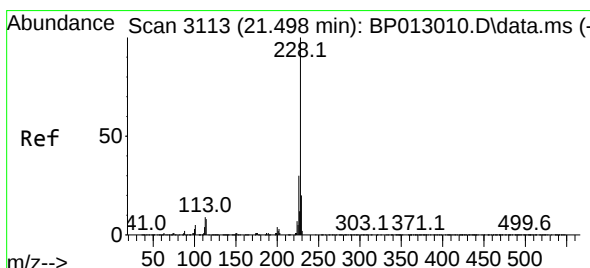
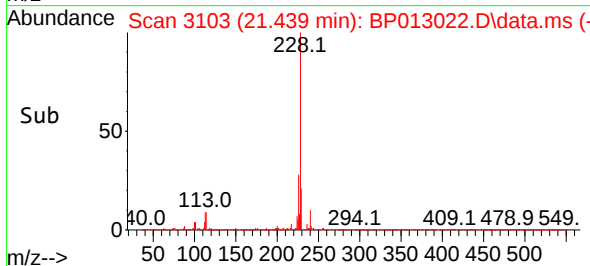
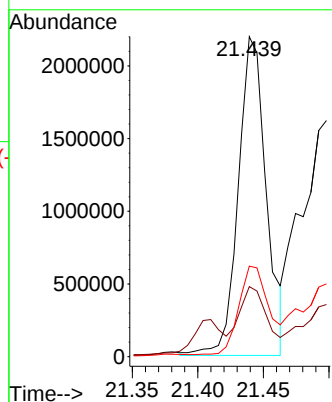
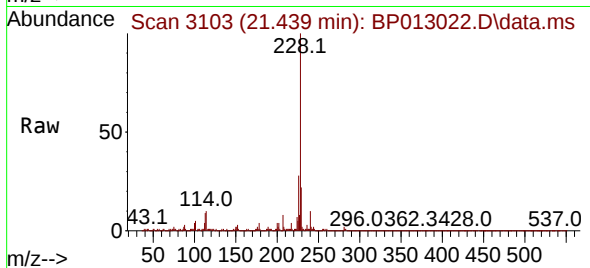
Tgt Ion:228 Resp: 3257347

Ion Ratio Lower Upper

228 100

229 21.9 16.1 24.1

226 28.3 22.0 33.0



#87

Chrysene

Concen: 15.919 ng/ul

RT: 21.498 min Scan# 3113

Delta R.T. 0.000 min

Lab File: BP013022.D

Acq: 09 Dec 2022 17:23

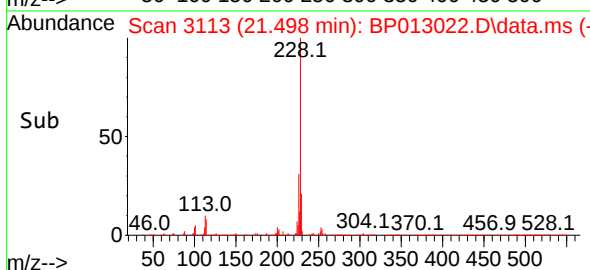
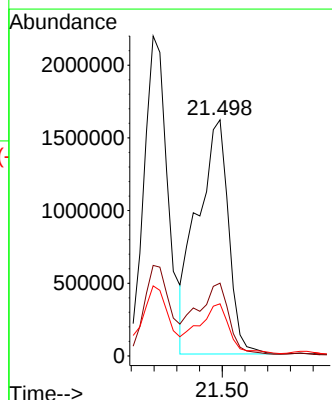
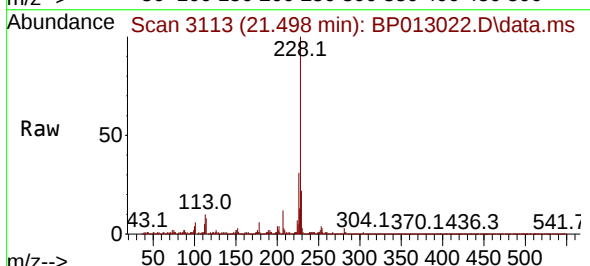
Tgt Ion:228 Resp: 3074962

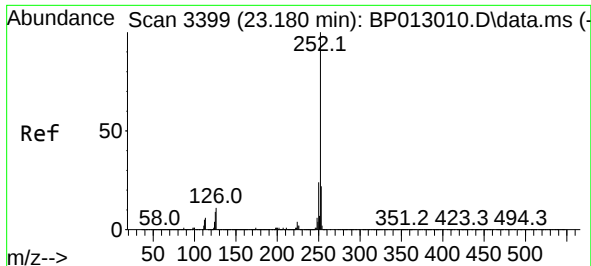
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 22.1 16.0 24.0

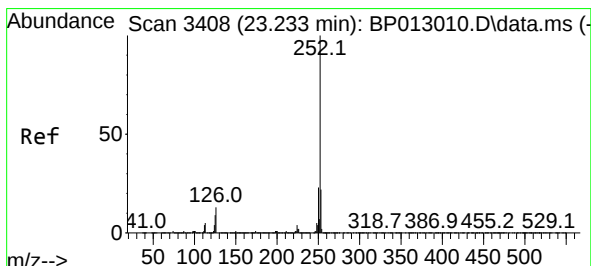
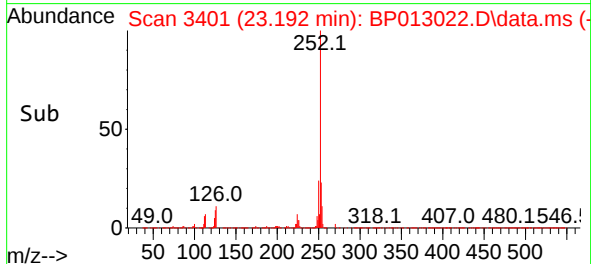
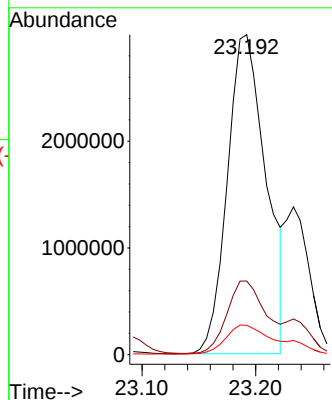
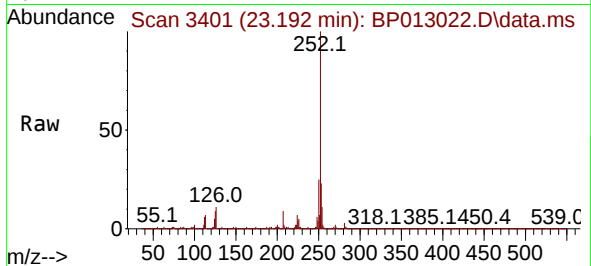




#90  
Benzo(b)fluoranthene  
Concen: 40.018 ng/ul  
RT: 23.192 min Scan# 3401  
Delta R.T. 0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

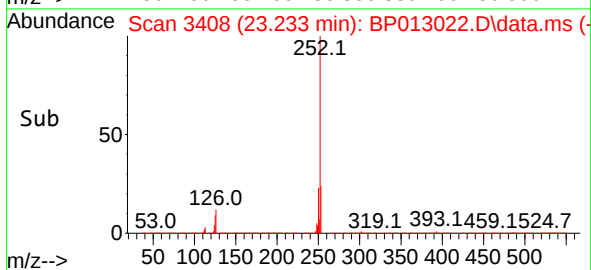
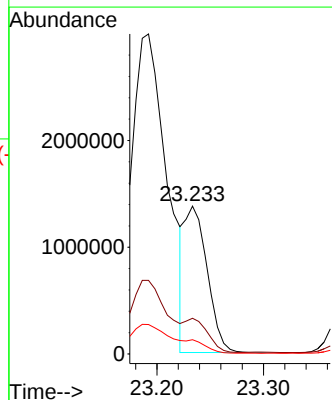
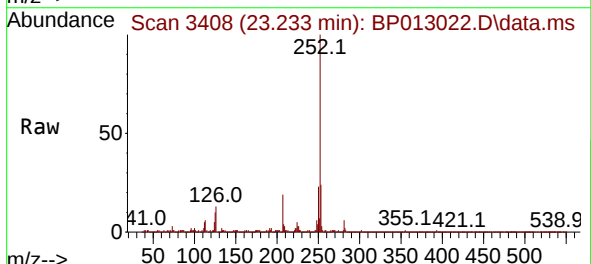
Instrument :  
BNA\_P  
ClientSampleId :  
DBXN3

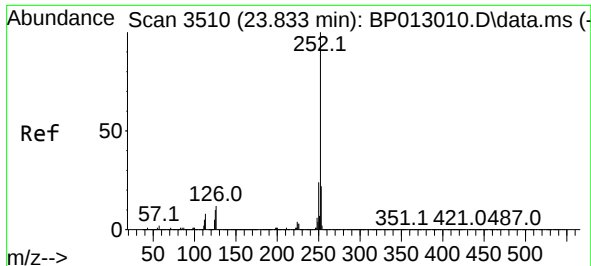
Tgt Ion:252 Resp: 7090945  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.7 26.5  
125 9.2 6.8 10.2



#91  
Benzo(k)fluoranthene  
Concen: 11.448 ng/ul  
RT: 23.233 min Scan# 3408  
Delta R.T. 0.000 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Tgt Ion:252 Resp: 2011547  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.7 26.5  
125 9.7 6.8 10.2

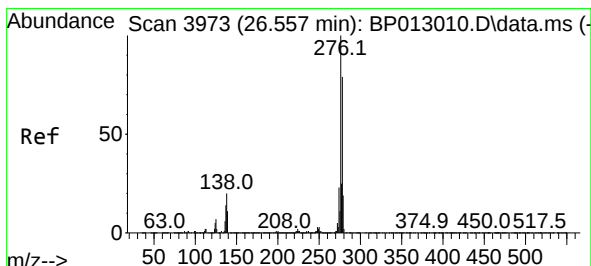
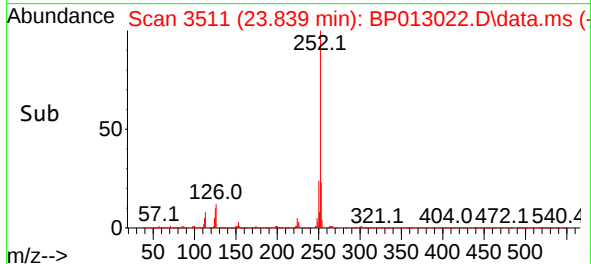
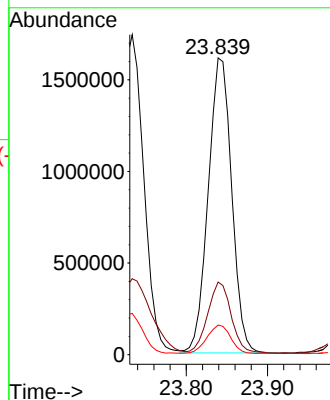
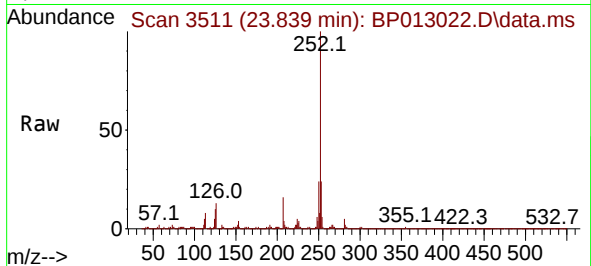




#93  
Benzo(a)pyrene  
Concen: 20.950 ng/ul  
RT: 23.839 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

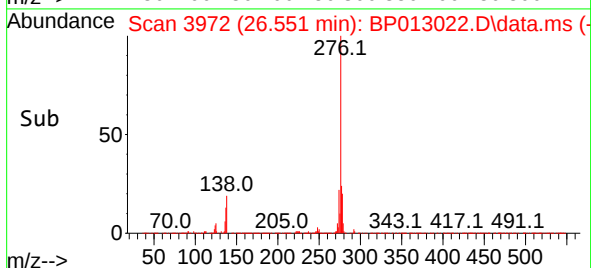
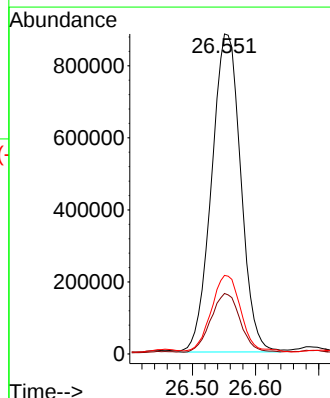
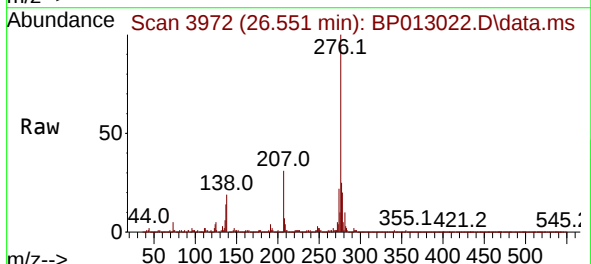
Instrument :  
BNA\_P  
ClientSampleId :  
DBXN3

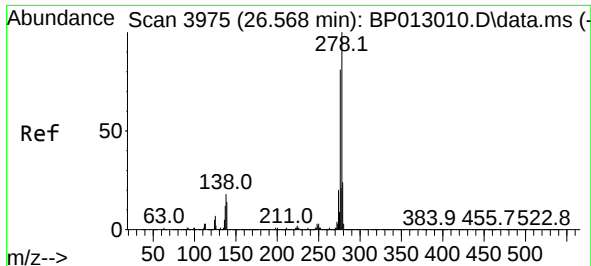
Tgt Ion:252 Resp: 3232338  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.5 26.3  
125 10.0 7.5 11.3



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 14.748 ng/ul  
RT: 26.551 min Scan# 3972  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Tgt Ion:276 Resp: 2834275  
Ion Ratio Lower Upper  
276 100  
138 18.9 17.1 25.7  
277 24.5 20.0 30.0

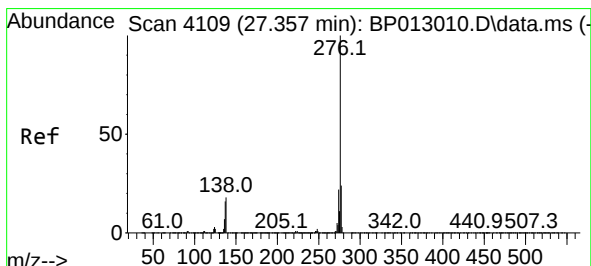
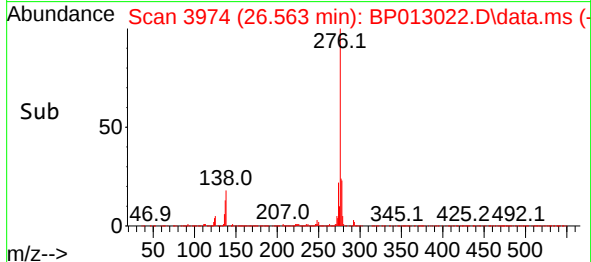
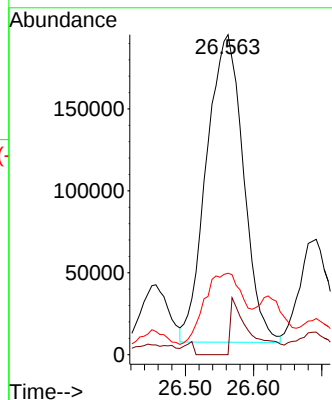
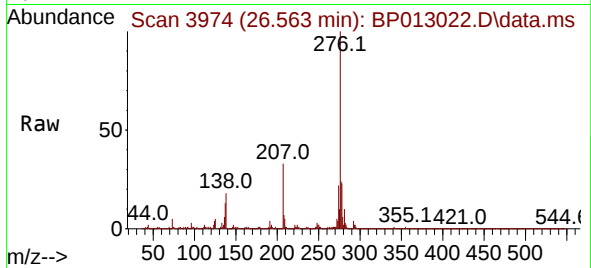




#95  
Dibenzo(a,h)anthracene  
Concen: 4.437 ng/ul  
RT: 26.563 min Scan# 3975  
Delta R.T. -0.006 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Instrument :  
BNA\_P  
ClientSampleId :  
DBXN3

Tgt Ion:278 Resp: 706057  
Ion Ratio Lower Upper  
278 100  
139 0.0 11.1 16.7#  
279 25.4 19.0 28.6



#96  
Benzo(g,h,i)perylene  
Concen: 14.344 ng/ul  
RT: 27.362 min Scan# 4110  
Delta R.T. 0.012 min  
Lab File: BP013022.D  
Acq: 09 Dec 2022 17:23

Tgt Ion:276 Resp: 2213047  
Ion Ratio Lower Upper  
276 100  
138 19.5 15.4 23.2  
277 23.2 19.1 28.7

