

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122222\  
 Data File : BP013271.D  
 Acq On : 23 Dec 2022 10:17  
 Operator : CG/JU  
 Sample : N6018-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBYH5

Quant Time: Dec 24 00:23:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 24 00:19:17 2022  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.946  | 152  | 576644   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.757 | 136  | 2328124  | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.587 | 164  | 1282060  | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.345 | 188  | 2340373  | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.439 | 240  | 2317651  | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.922 | 264  | 2745644  | 20.000 | ng/ul | 0.00     |

|                               |        |     |         |        |       |      |
|-------------------------------|--------|-----|---------|--------|-------|------|
| System Monitoring Compounds   |        |     |         |        |       |      |
| 3) 1,4-Dioxane-d8             | 3.334  | 96  | 57224   | 4.243  | ng/uL | 0.00 |
| 4) Pyridine-d5                | 3.764  | 84  | 776596  | 20.271 | ng/ul | 0.00 |
| 7) Phenol-d5                  | 7.105  | 99  | 1034620 | 22.028 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.269  | 67  | 666773  | 23.533 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.469  | 132 | 867071  | 23.451 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8         | 8.658  | 113 | 736262  | 19.131 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5           | 9.111  | 128 | 416009  | 24.320 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4          | 9.834  | 143 | 471776  | 24.498 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165 | 837469  | 22.389 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4        | 10.899 | 131 | 952434  | 18.037 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6      | 13.993 | 166 | 2252603 | 22.862 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8         | 14.281 | 160 | 2564465 | 23.686 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4          | 14.793 | 143 | 241418  | 13.621 | ng/ul | 0.00 |
| 60) Fluorene-d10              | 15.581 | 176 | 1835381 | 22.018 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 200 | 193122  | 12.823 | ng/ul | 0.00 |
| 73) Anthracene-d10            | 17.445 | 188 | 2492202 | 23.604 | ng/ul | 0.00 |
| 81) Pyrene-d10                | 19.681 | 212 | 2946205 | 22.146 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12        | 23.763 | 264 | 3213260 | 23.479 | ng/ul | 0.00 |

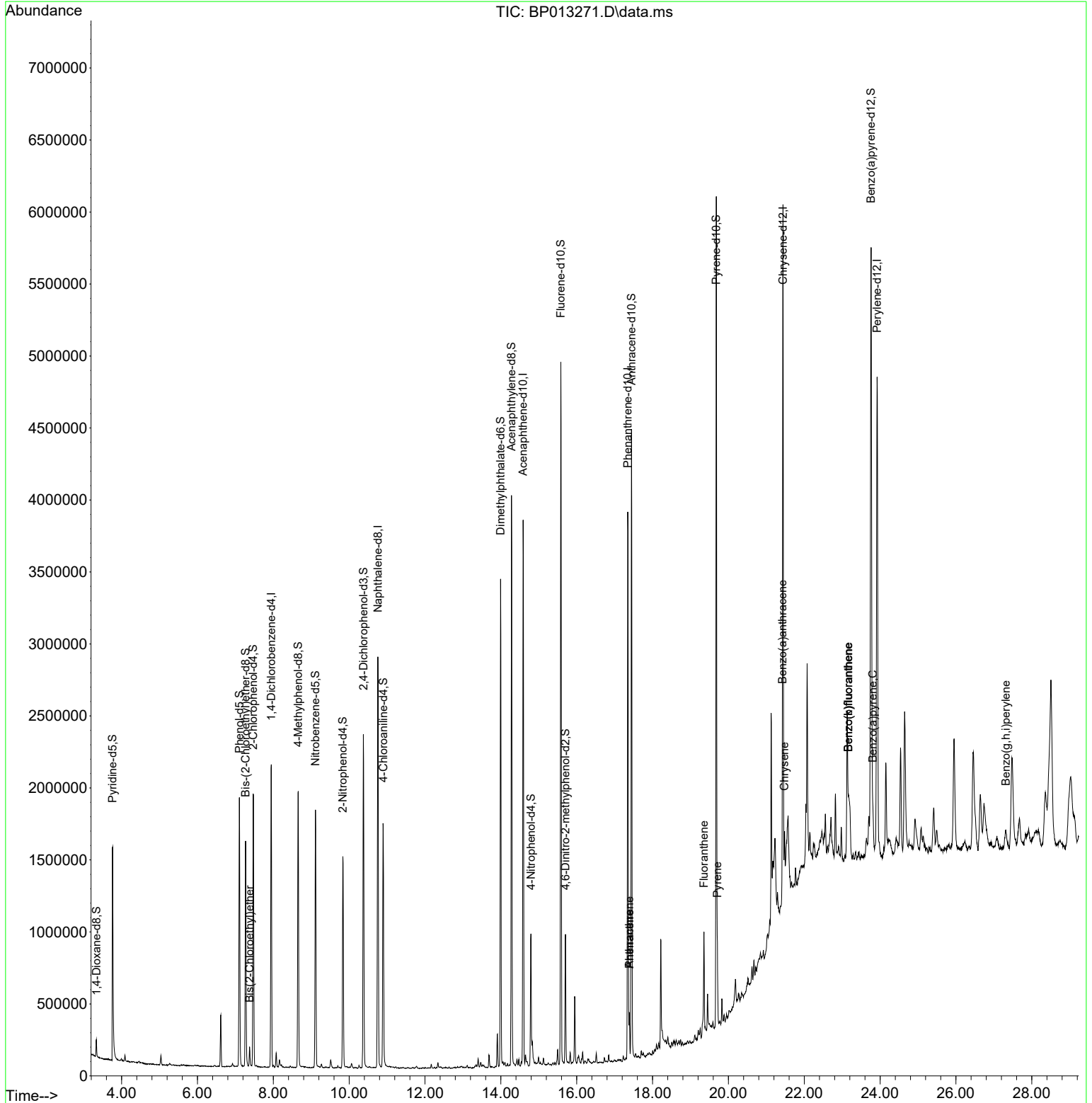
| Target Compounds            |        |     |        |              | Qvalue |
|-----------------------------|--------|-----|--------|--------------|--------|
| 10) Bis(2-Chloroethyl)ether | 7.375  | 93  | 48969  | 1.256 ng/ul# | 25     |
| 72) Phenanthrene            | 17.387 | 178 | 153736 | 1.261 ng/ul  | 98     |
| 74) Anthracene              | 17.387 | 178 | 153928 | 1.265 ng/ul  | 97     |
| 80) Fluoranthene            | 19.357 | 202 | 390686 | 2.587 ng/ul  | 99     |
| 82) Pyrene                  | 19.710 | 202 | 322011 | 2.067 ng/ul  | 98     |
| 85) Benzo(a)anthracene      | 21.422 | 228 | 193701 | 1.259 ng/ul  | 98     |
| 87) Chrysene                | 21.475 | 228 | 208141 | 1.431 ng/ul  | 99     |
| 90) Benzo(b)fluoranthene    | 23.163 | 252 | 313863 | 1.793 ng/ul# | 94     |
| 91) Benzo(k)fluoranthene    | 23.163 | 252 | 313863 | 1.808 ng/ul# | 94     |
| 93) Benzo(a)pyrene          | 23.810 | 252 | 207794 | 1.363 ng/ul# | 92     |
| 96) Benzo(g,h,i)perylene    | 27.315 | 276 | 159898 | 1.049 ng/ul  | 98     |

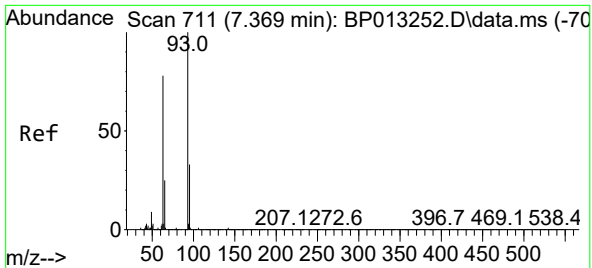
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP12222\  
 Data File : BP013271.D  
 Acq On : 23 Dec 2022 10:17  
 Operator : CG/JU  
 Sample : N6018-03  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBYH5

Quant Time: Dec 24 00:23:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
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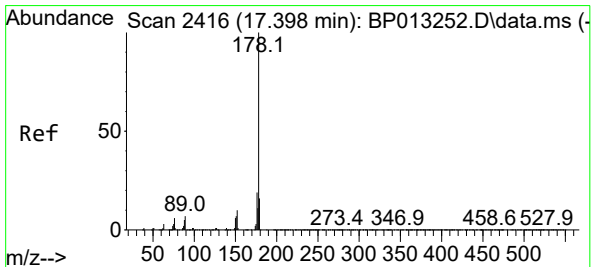
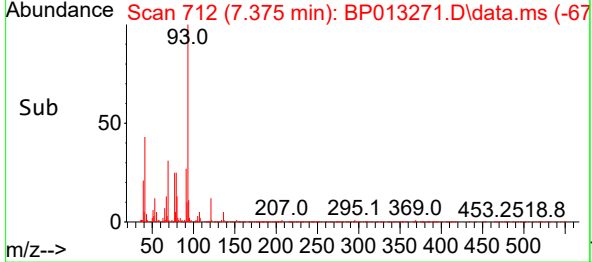
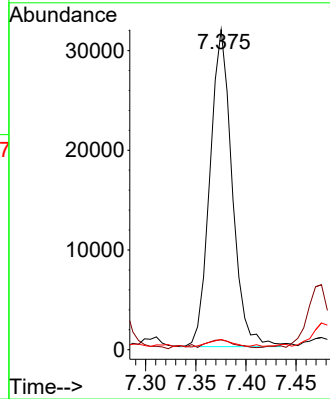
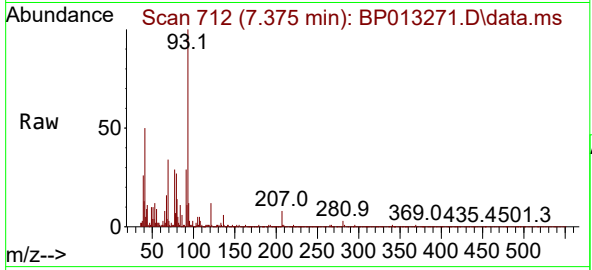


#10  
 Bis(2-Chloroethyl)ether  
 Concen: 1.256 ng/ul  
 RT: 7.375 min Scan# 711  
 Delta R.T. 0.012 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBYH5

Tgt Ion: 93 Resp: 48969

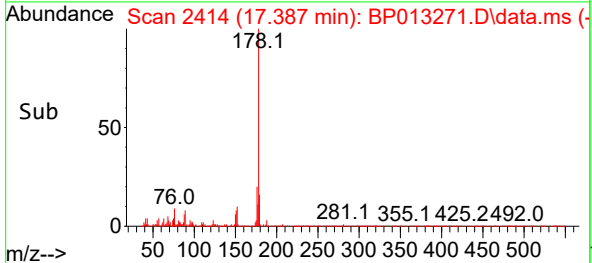
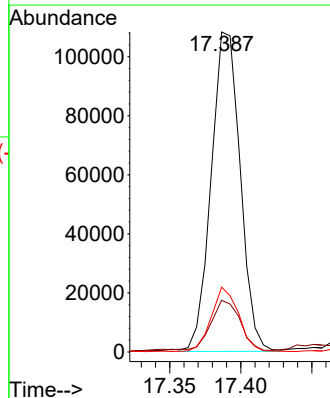
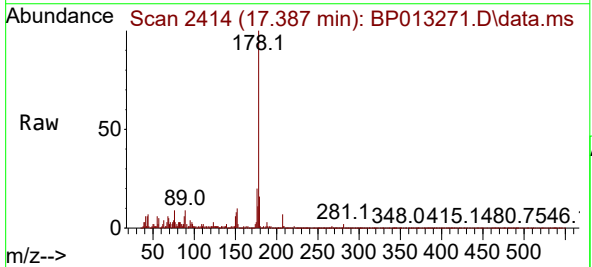
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 3.0   | 59.8  | 89.8# |
| 95  | 3.2   | 26.4  | 39.6# |

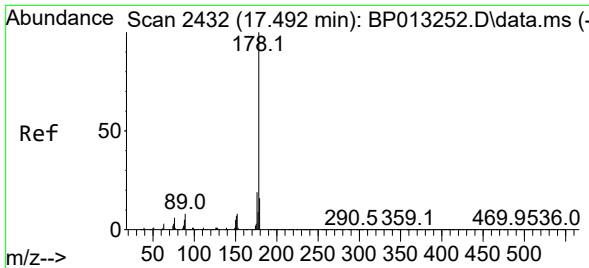


#72  
 Phenanthrene  
 Concen: 1.261 ng/ul  
 RT: 17.387 min Scan# 2414  
 Delta R.T. 0.000 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

Tgt Ion: 178 Resp: 153736

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 12.5  | 18.7  |
| 176 | 20.3  | 15.4  | 23.0  |



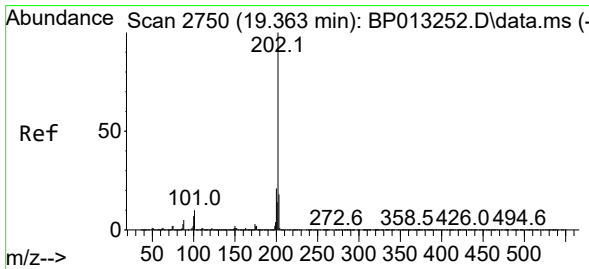
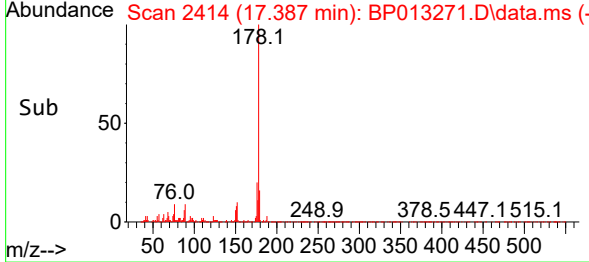
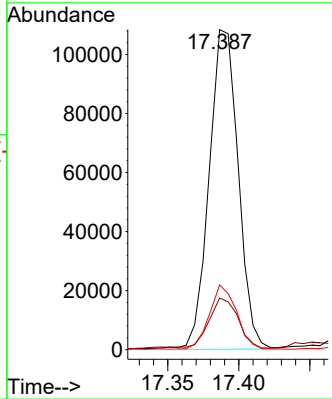
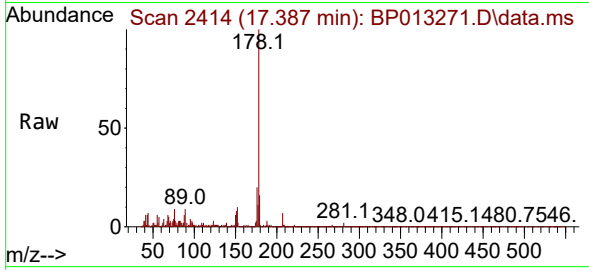


#74  
 Anthracene  
 Concen: 1.265 ng/uI  
 RT: 17.387 min Scan# 2432  
 Delta R.T. -0.094 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

Instrument : BNA\_P  
 Client SampleId : DBYH5

Tgt Ion:178 Resp: 153928

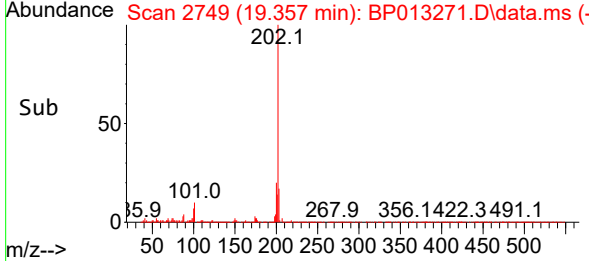
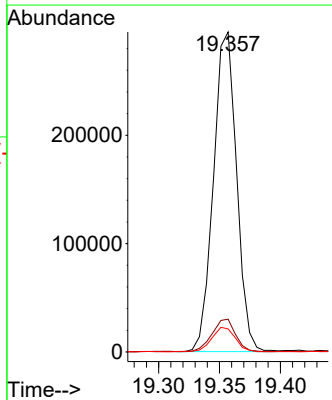
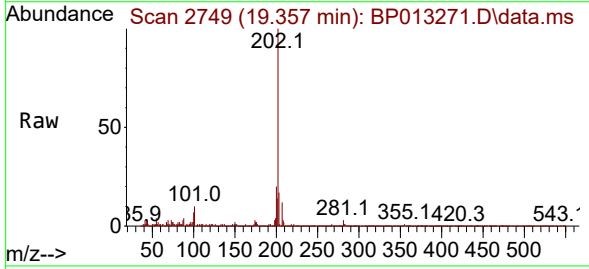
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 12.5  | 18.7  |
| 176 | 20.3  | 14.8  | 22.2  |

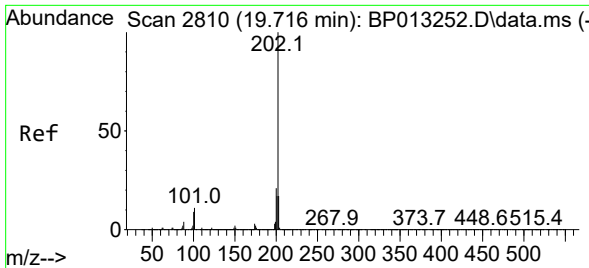


#80  
 Fluoranthene  
 Concen: 2.587 ng/uI  
 RT: 19.357 min Scan# 2749  
 Delta R.T. 0.006 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

Tgt Ion:202 Resp: 390686

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 10.3  | 8.2   | 12.2  |
| 100 | 7.2   | 6.1   | 9.1   |

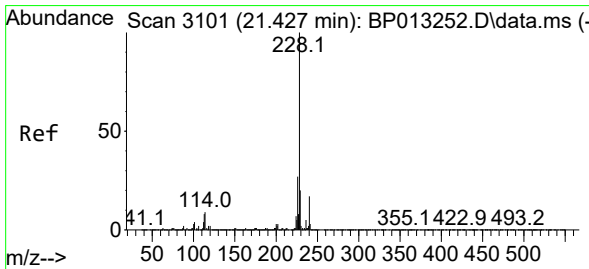
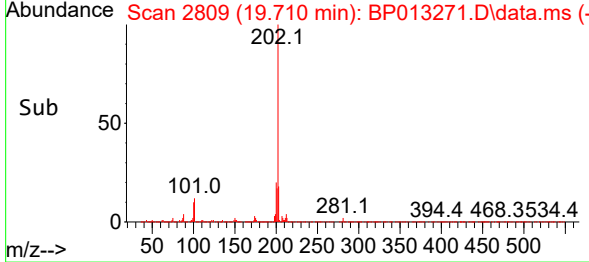
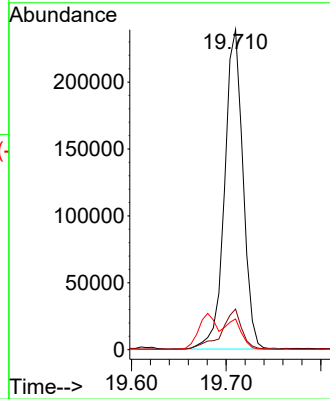
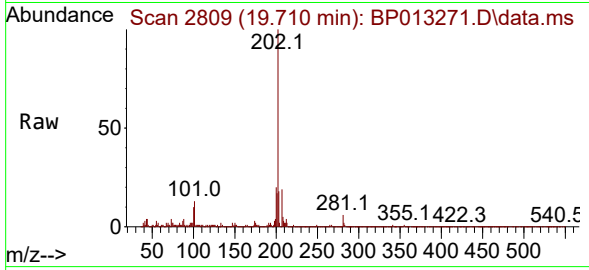




#82  
 Pyrene  
 Concen: 2.067 ng/ul  
 RT: 19.710 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

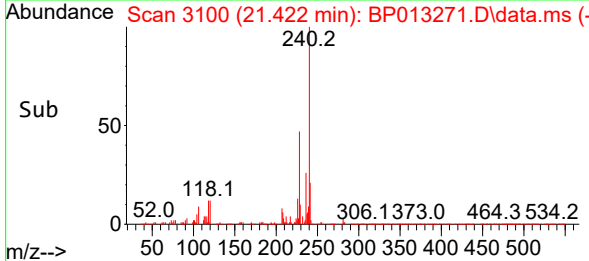
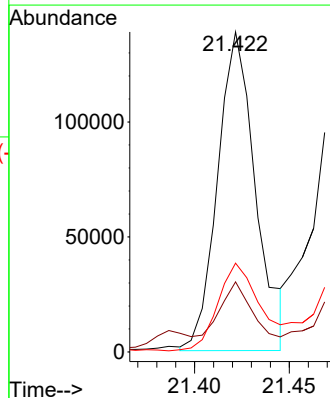
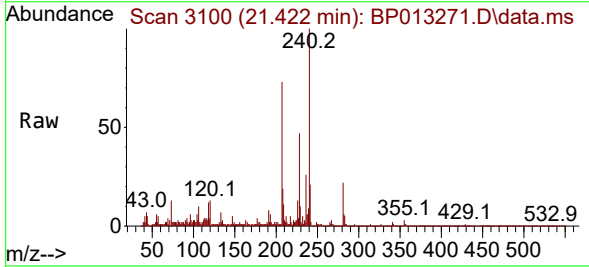
Instrument :  
 BNA\_P  
 Client SampleId :  
 DBYH5

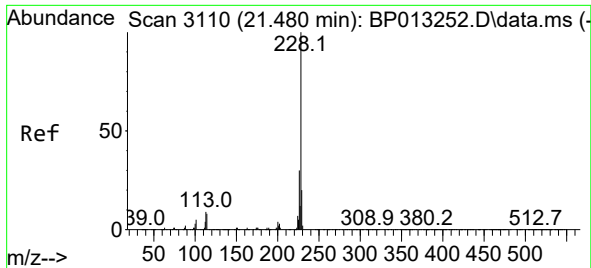
Tgt Ion:202 Resp: 322011  
 Ion Ratio Lower Upper  
 202 100  
 101 12.7 9.4 14.2  
 100 9.6 7.8 11.8



#85  
 Benzo(a)anthracene  
 Concen: 1.259 ng/ul  
 RT: 21.422 min Scan# 3100  
 Delta R.T. 0.000 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

Tgt Ion:228 Resp: 193701  
 Ion Ratio Lower Upper  
 228 100  
 229 21.9 16.1 24.1  
 226 27.8 22.0 33.0

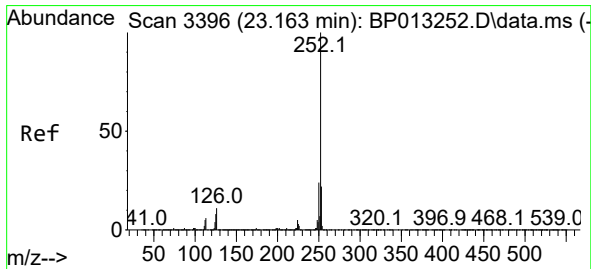
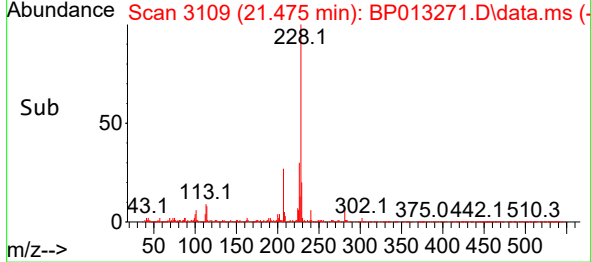
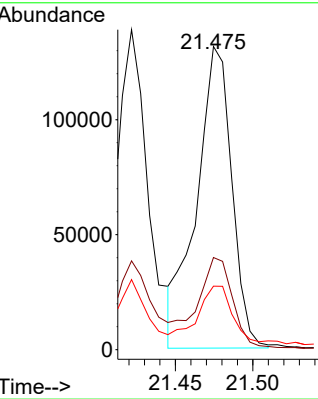
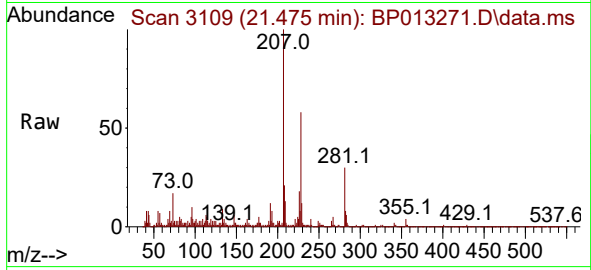




#87  
 Chrysene  
 Concen: 1.431 ng/ul  
 RT: 21.475 min Scan# 3110  
 Delta R.T. 0.000 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

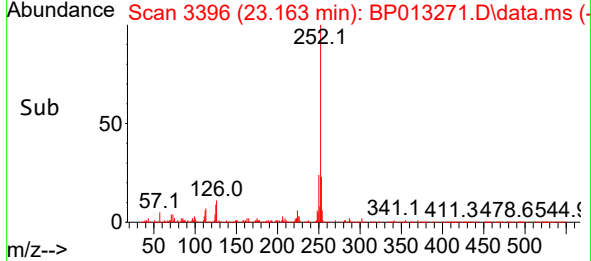
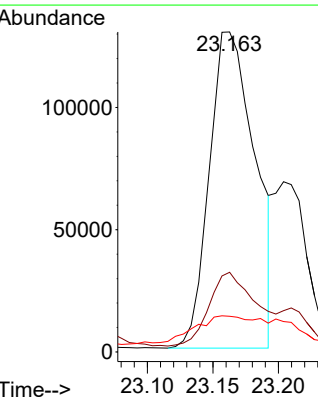
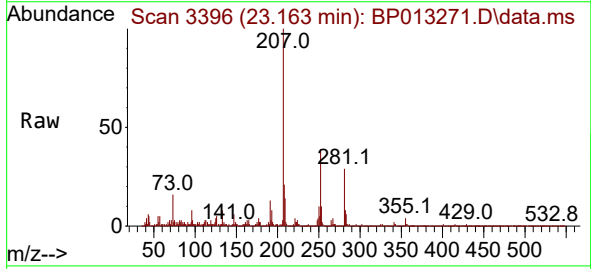
Instrument : BNA\_P  
 Client SampleId : DBYH5

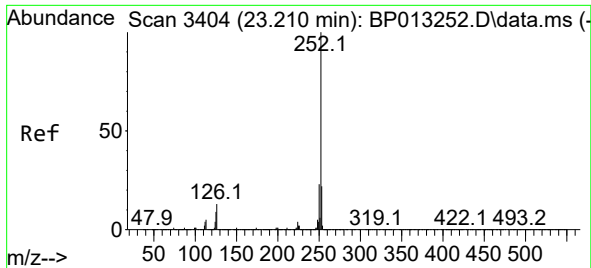
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 228     | 100  |       |       |
| 226     | 30.4 | 24.5  | 36.7  |
| 229     | 21.0 | 16.0  | 24.0  |



#90  
 Benzo(b)fluoranthene  
 Concen: 1.793 ng/ul  
 RT: 23.163 min Scan# 3396  
 Delta R.T. 0.006 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 252     | 100  |       |       |
| 253     | 24.9 | 17.7  | 26.5  |
| 125     | 11.1 | 6.8   | 10.2  |

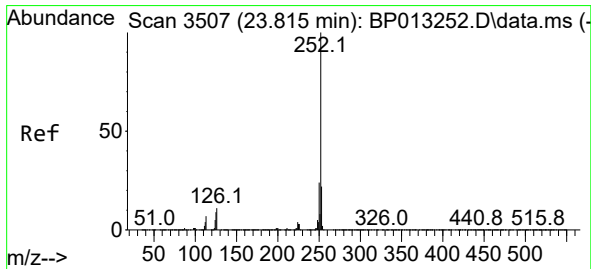
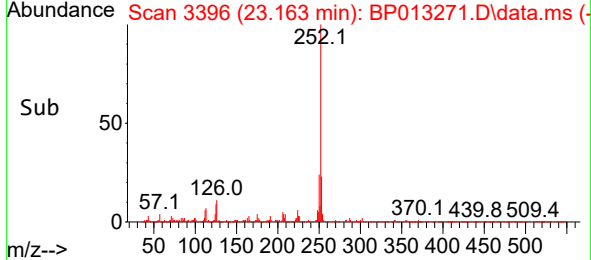
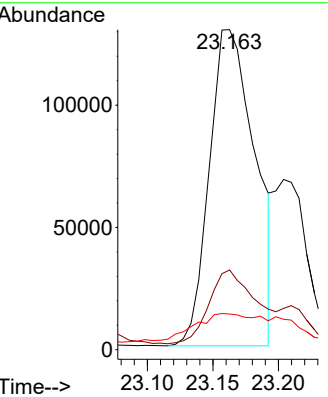
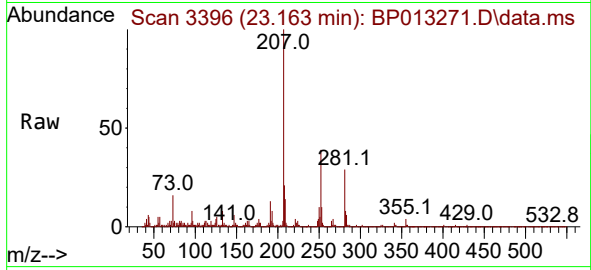




#91  
 Benzo(k)fluoranthene  
 Concen: 1.808 ng/ul  
 RT: 23.163 min Scan# 311  
 Delta R.T. -0.041 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

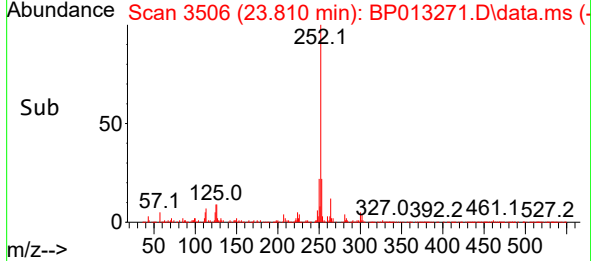
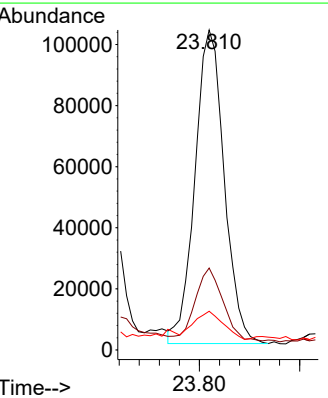
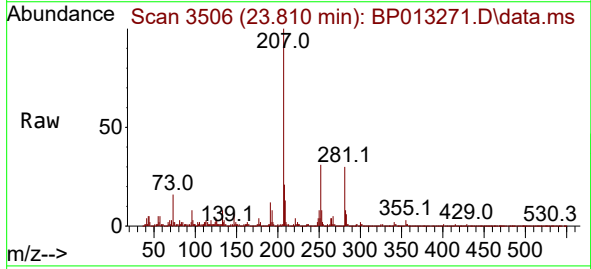
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBYH5

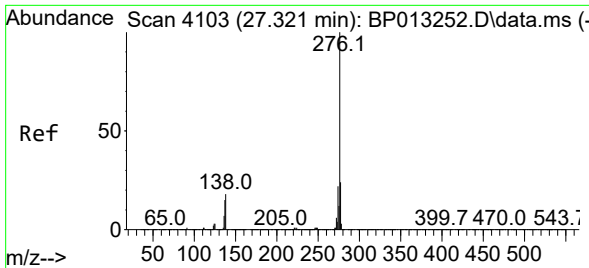
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 Ion Ratio Lower Upper  
 252 100  
 253 24.9 17.7 26.5  
 125 11.1 6.8 10.2#



#93  
 Benzo(a)pyrene  
 Concen: 1.363 ng/ul  
 RT: 23.810 min Scan# 3506  
 Delta R.T. 0.000 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

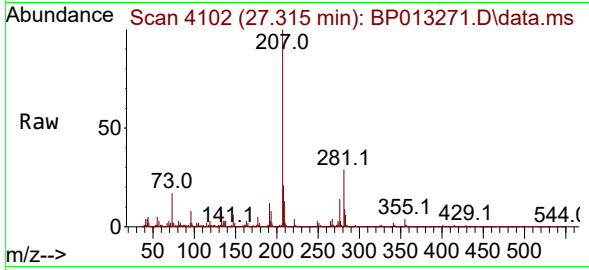
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 Ion Ratio Lower Upper  
 252 100  
 253 25.6 17.5 26.3  
 125 12.1 7.5 11.3#





#96  
 Benzo(g,h,i)perylene  
 Concen: 1.049 ng/ul  
 RT: 27.315 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: BP013271.D  
 Acq: 23 Dec 2022 10:17

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBYH5



Tgt Ion: 276 Resp: 159898

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 19.7  | 15.4  | 23.2  |
| 277 | 22.8  | 19.1  | 28.7  |

