

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072821\  
 Data File : BP006386.D  
 Acq On : 28 Jul 2021 12:57  
 Operator : CG/JU  
 Sample : M3107-21  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BGEN4

Manual Integrations  
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Quant Time: Jul 28 13:35:04 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 24 04:29:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 317161   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.569 | 136  | 1371603  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.410 | 164  | 768162   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.163 | 188  | 1464882  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.263 | 240  | 1340396  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.609 | 264  | 1184312  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 20219    | 2.380  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 181043   | 7.177  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.957  | 99   | 363388   | 12.199 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 254754   | 13.745 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 289534   | 13.083 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.487  | 113  | 286336   | 12.224 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.940  | 128  | 140294   | 13.737 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.657  | 143  | 137050   | 14.054 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.187 | 165  | 239939   | 12.556 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 344363   | 10.946 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.834 | 166  | 834798   | 15.269 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.104 | 160  | 964199   | 14.355 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.610 | 143  | 85411    | 7.868  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.404 | 176  | 681511   | 14.828 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.522 | 200  | 66370    | 8.127  | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.263 | 188  | 1020860  | 15.438 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.504 | 212  | 1113810  | 16.156 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.457 | 264  | 855991   | 14.223 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.204 | 178  | 952371   | 12.107 | ng/u1  | 99       |
| 74) Anthracene                | 17.298 | 178  | 247167   | 3.099  | ng/u1  | 99       |
| 77) Carbazole                 | 17.569 | 167  | 101063   | 1.385  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.180 | 202  | 2273292  | 26.760 | ng/u1  | 100      |
| 82) Pyrene                    | 19.533 | 202  | 1969887  | 22.347 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 1311766  | 15.793 | ng/u1  | 99       |
| 87) Chrysene                  | 21.298 | 228  | 1178791  | 14.806 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 22.898 | 252  | 1723274  | 22.909 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 22.939 | 252  | 576547m  | 8.075  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.504 | 252  | 1094041  | 16.639 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.033 | 276  | 749200   | 8.901  | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.045 | 278  | 161569   | 2.266  | ng/u1# | 76       |
| 96) Benzo(g,h,i)perylene      | 26.774 | 276  | 99772    | 1.435  | ng/u1  | 98       |
| -----                         |        |      |          |        |        |          |

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

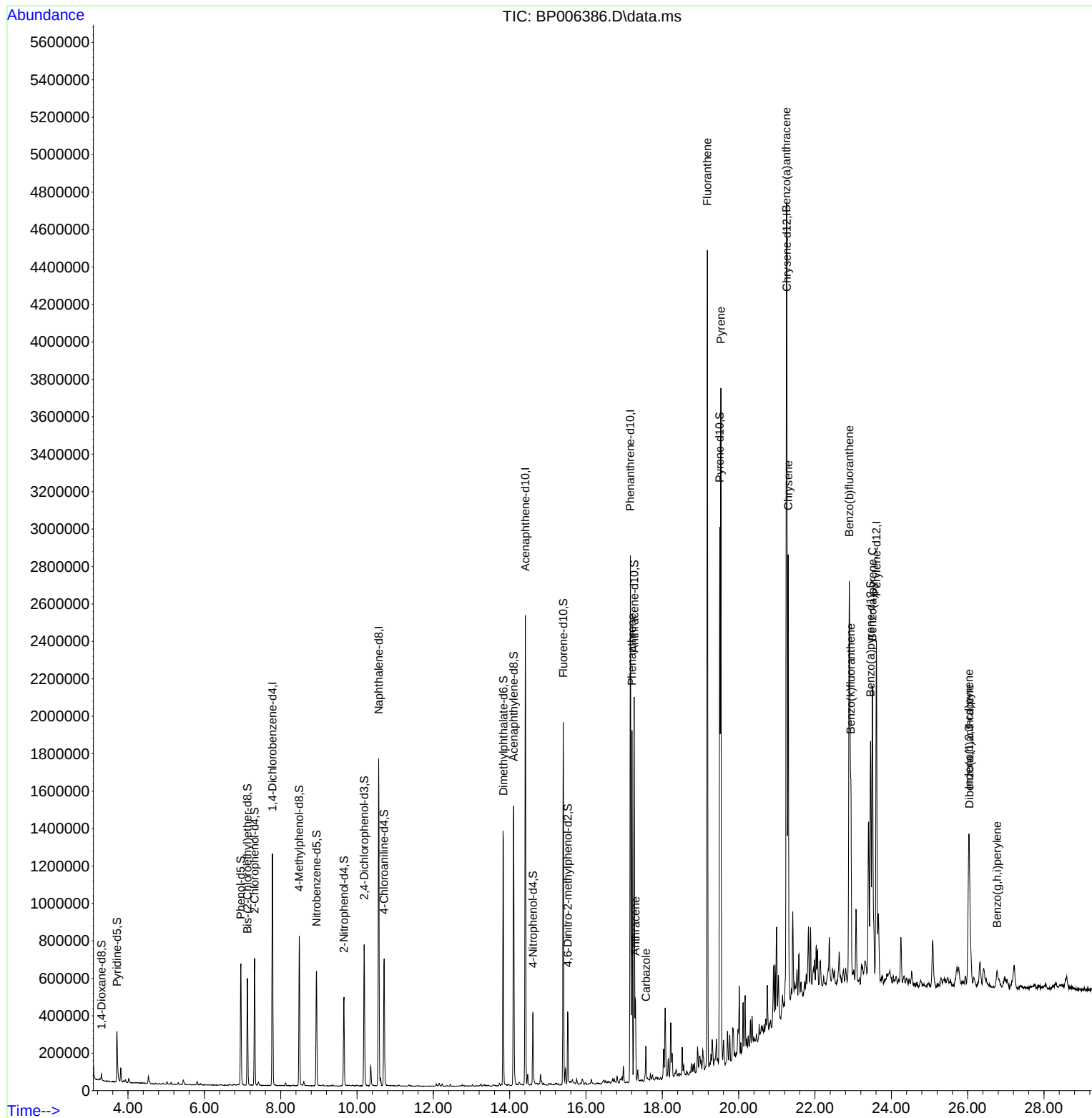
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072821\  
Data File : BP006386.D  
Acq On : 28 Jul 2021 12:57  
Operator : CG/JU  
Sample : M3107-21  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

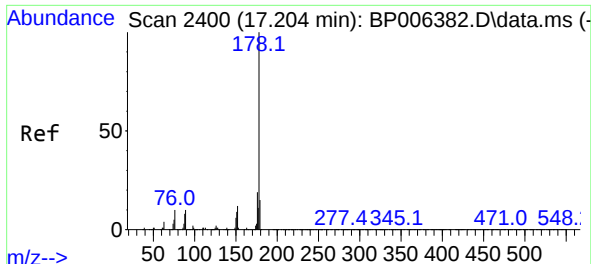
Instrument :  
BNA\_P  
ClientSampleId :  
BGEN4

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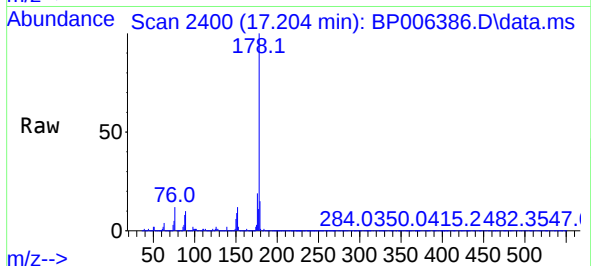
Quant Time: Jul 28 13:35:04 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 24 04:29:12 2021  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 12.107 ng/u1  
RT: 17.204 min Scan# 2400  
Delta R.T. -0.012 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

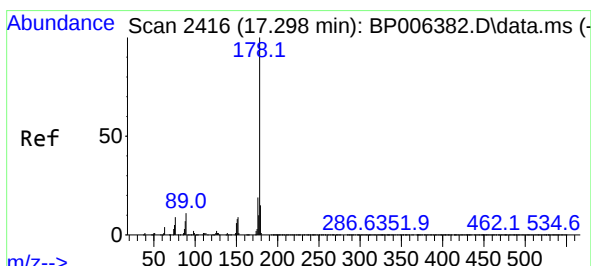
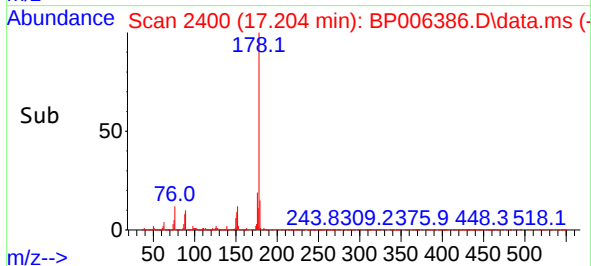
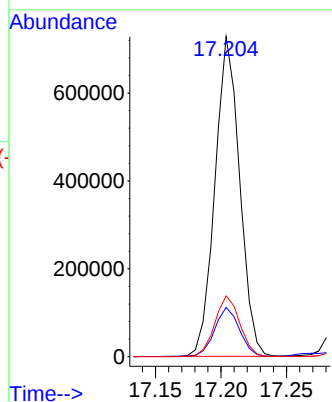
Instrument :  
BNA\_P  
ClientSampled :  
BGEN4



Tgt Ion:178 Resp: 952371  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.0 18.0  
176 19.0 15.0 22.6

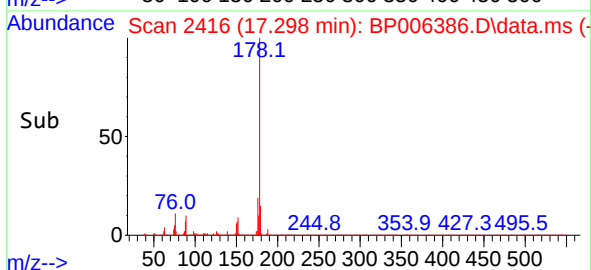
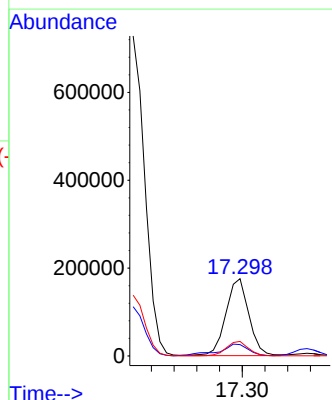
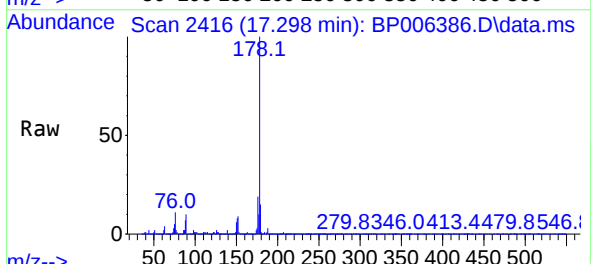
Manual Integrations  
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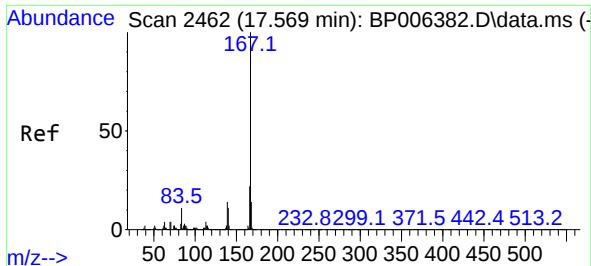
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#74  
Anthracene  
Concen: 3.099 ng/u1  
RT: 17.298 min Scan# 2416  
Delta R.T. -0.006 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

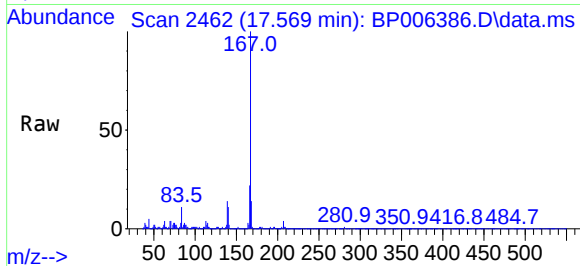
Tgt Ion:178 Resp: 247167  
Ion Ratio Lower Upper  
178 100  
179 14.7 12.2 18.4  
176 18.9 14.8 22.2





#77  
 Carbazole  
 Concen: 1.385 ng/ul  
 RT: 17.569 min Scan# 2462  
 Delta R.T. -0.012 min  
 Lab File: BP006386.D  
 Acq: 28 Jul 2021 12:57

Instrument :  
 BNA\_P  
 ClientSampled :  
 BGEN4

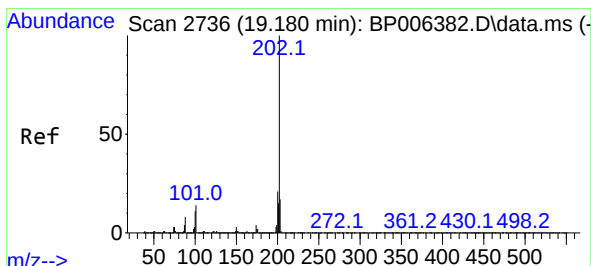
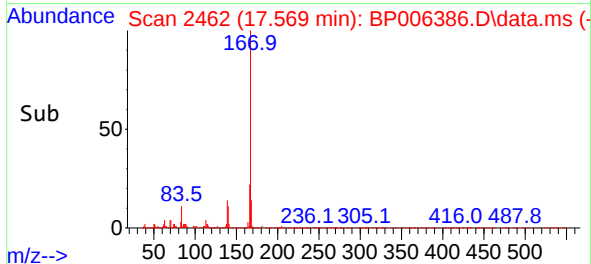
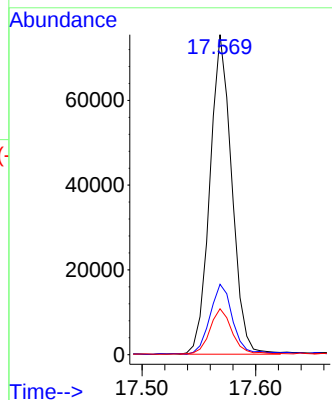


Tgt Ion:167 Resp: 101063  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.0  | 17.2  | 25.8  |
| 139 | 14.4  | 11.3  | 16.9  |

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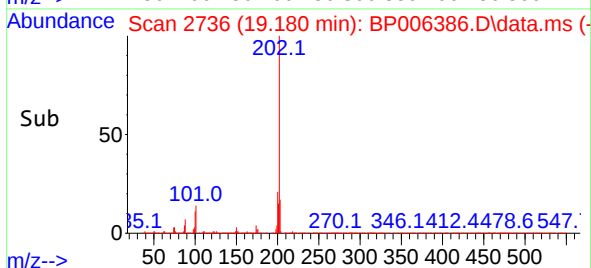
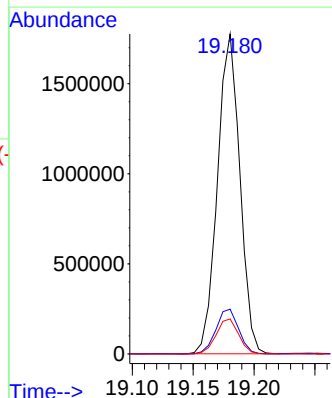
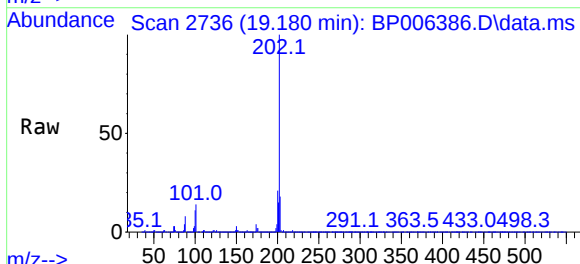
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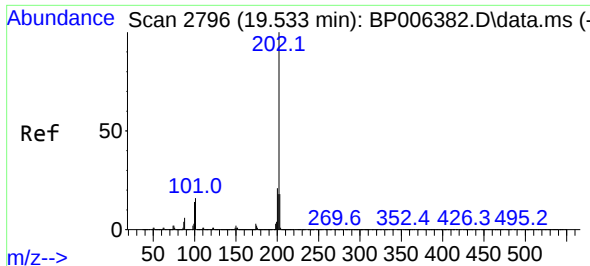


#80  
 Fluoranthene  
 Concen: 26.760 ng/ul  
 RT: 19.180 min Scan# 2736  
 Delta R.T. -0.006 min  
 Lab File: BP006386.D  
 Acq: 28 Jul 2021 12:57

Tgt Ion:202 Resp: 2273292  

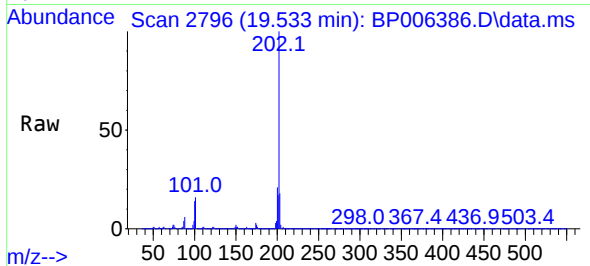
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 14.0  | 11.0  | 16.6  |
| 100 | 10.9  | 8.8   | 13.2  |





#82  
Pyrene  
Concen: 22.347 ng/ul  
RT: 19.533 min Scan# 2796  
Delta R.T. -0.006 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

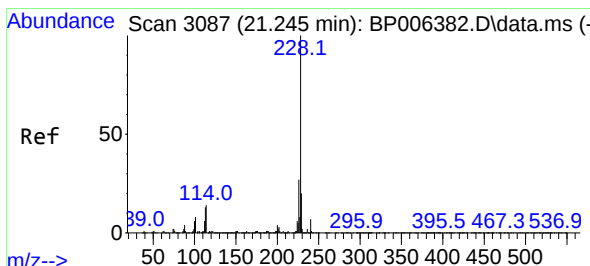
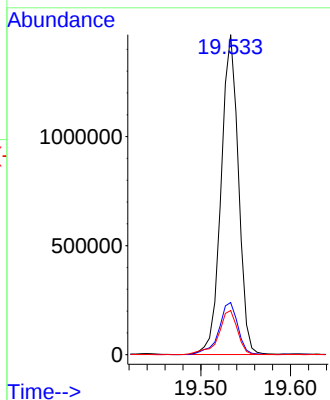
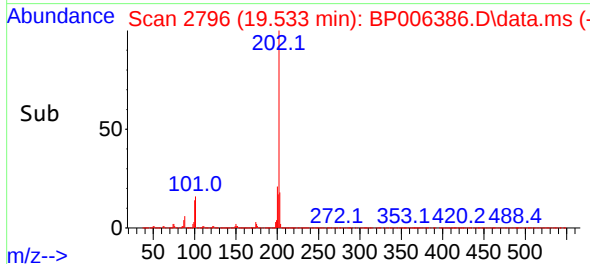
Instrument :  
BNA\_P  
ClientSampled :  
BGEN4



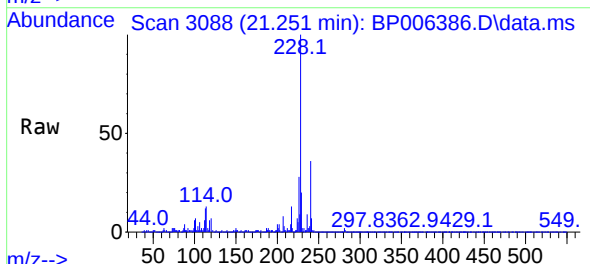
Tgt Ion:202 Resp: 1969887  
Ion Ratio Lower Upper  
202 100  
101 16.3 13.0 19.4  
100 13.8 11.0 16.4

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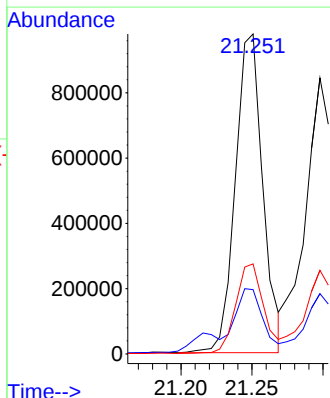
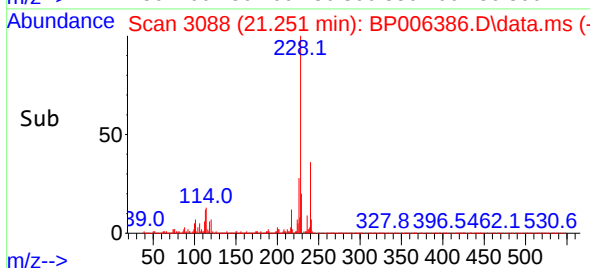
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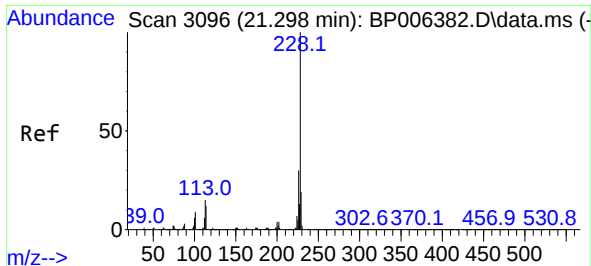


#85  
Benzo(a)anthracene  
Concen: 15.793 ng/ul  
RT: 21.251 min Scan# 3088  
Delta R.T. -0.000 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57



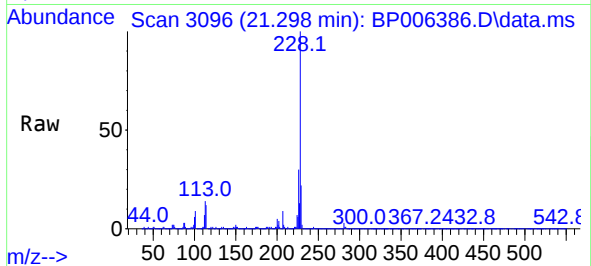
Tgt Ion:228 Resp: 1311766  
Ion Ratio Lower Upper  
228 100  
229 20.1 15.9 23.9  
226 28.1 21.6 32.4





#87  
Chrysene  
Concen: 14.806 ng/u1  
RT: 21.298 min Scan# 3096  
Delta R.T. -0.006 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

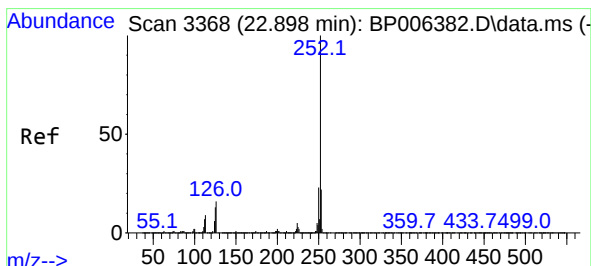
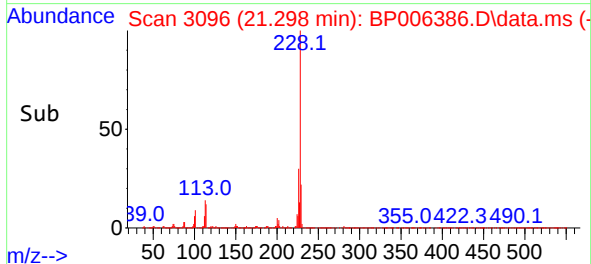
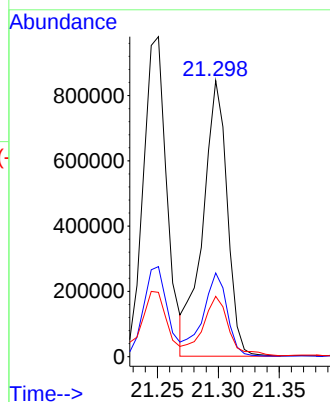
Instrument :  
BNA\_P  
ClientSampled :  
BGEN4



Tgt Ion:228 Resp: 1178791  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.1 36.1  
229 21.8 15.8 23.6

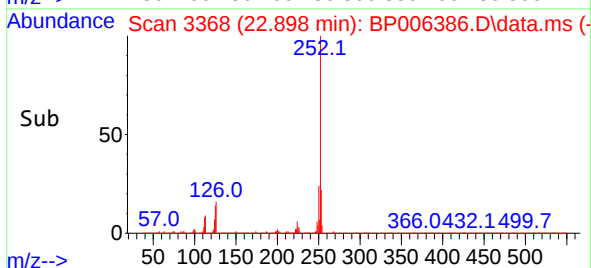
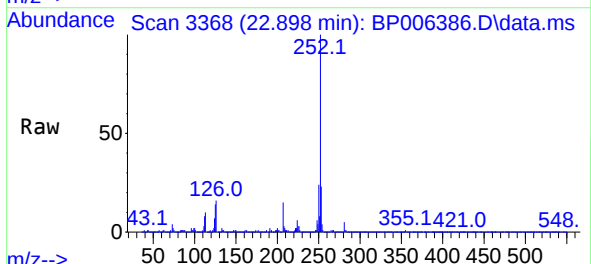
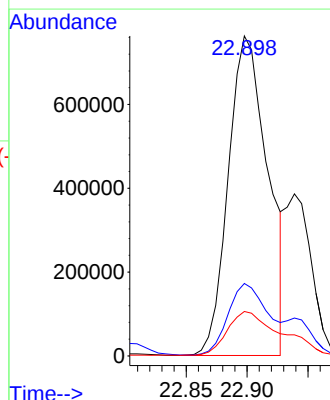
Manual Integrations  
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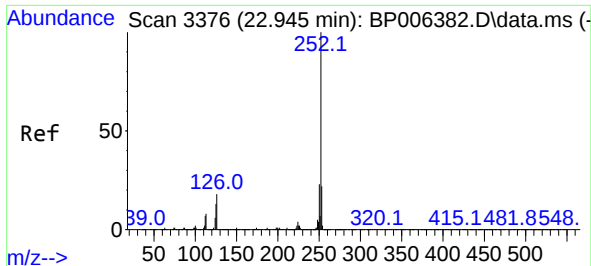
mohammad  
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#90  
Benzo(b)fluoranthene  
Concen: 22.909 ng/u1  
RT: 22.898 min Scan# 3368  
Delta R.T. -0.000 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

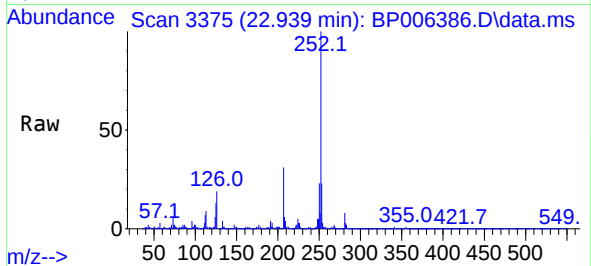
Tgt Ion:252 Resp: 1723274  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.7 26.5  
125 13.9 10.6 16.0





#91  
Benzo(k)fluoranthene  
Concen: 8.075 ng/ul m  
RT: 22.939 min Scan# 3375  
Delta R.T. -0.012 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

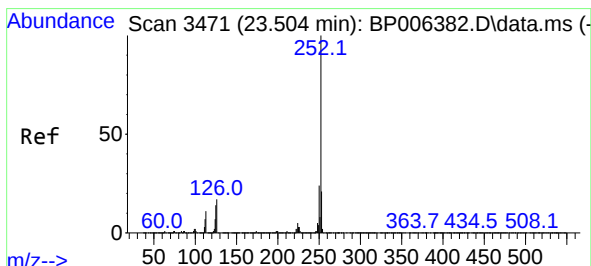
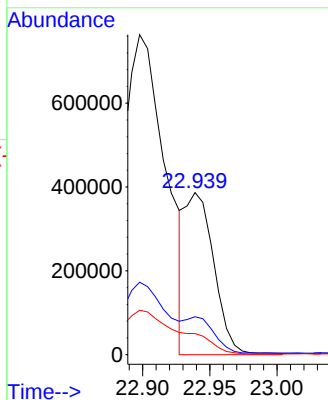
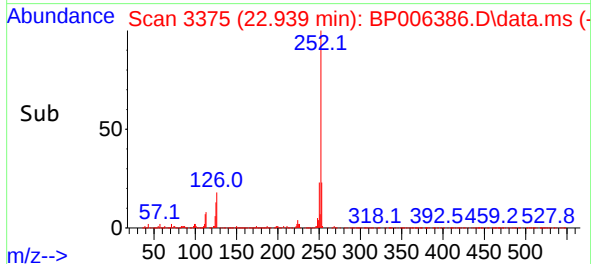
Instrument :  
BNA\_P  
ClientSampled :  
BGEN4



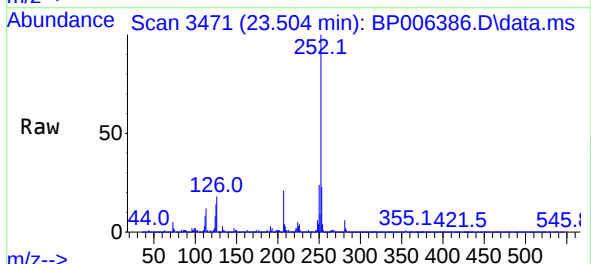
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125 13.1 10.3 15.5

Manual Integrations  
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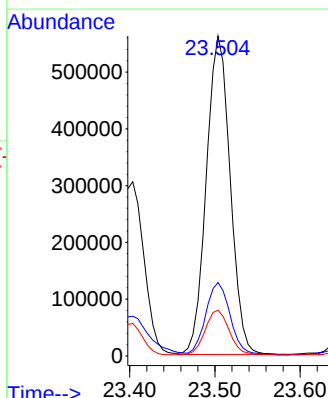
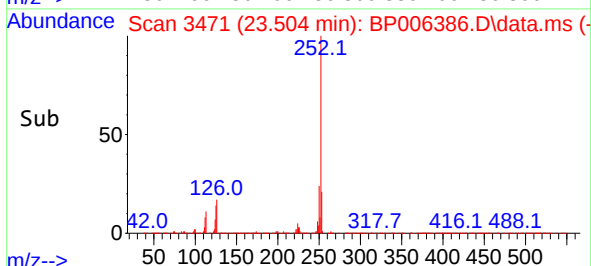
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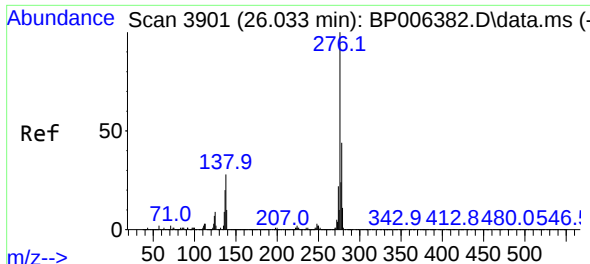


#93  
Benzo(a)pyrene  
Concen: 16.639 ng/ul  
RT: 23.504 min Scan# 3471  
Delta R.T. -0.006 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57



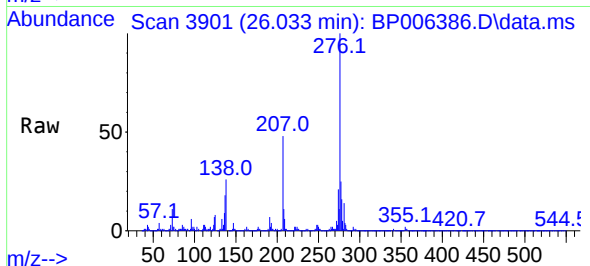
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Ion Ratio Lower Upper  
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253 22.9 17.6 26.4  
125 14.3 11.8 17.8





#94  
Indeno(1,2,3-cd)pyrene  
Concen: 8.901 ng/ul  
RT: 26.033 min Scan# 3901  
Delta R.T. -0.012 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

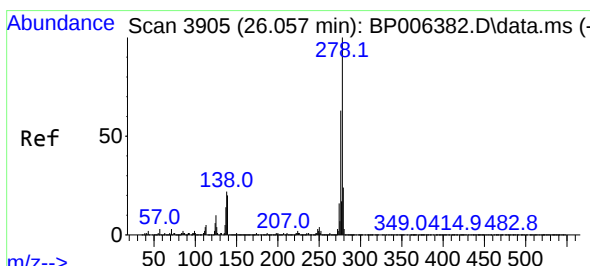
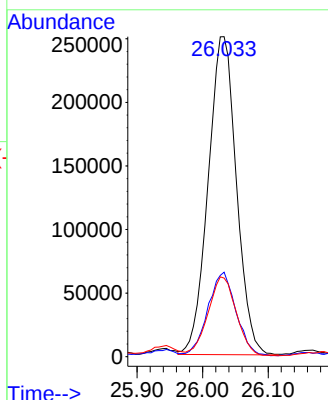
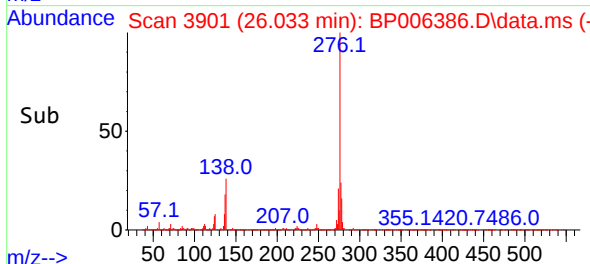
Instrument :  
BNA\_P  
ClientSampled :  
BGEN4



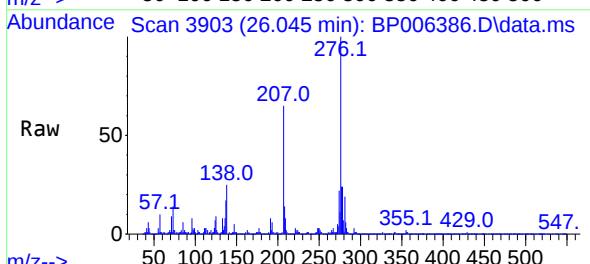
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277 24.5 19.6 29.4

Manual Integrations  
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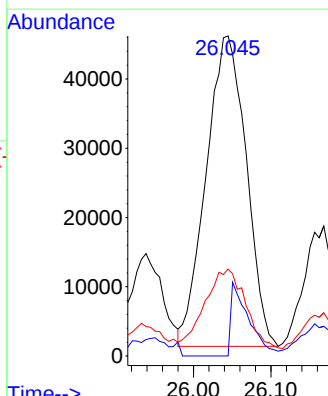
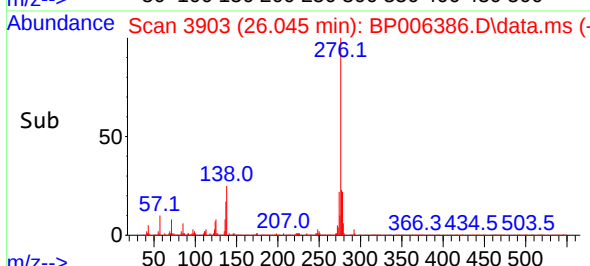
mohammad  
7/29/2021 1:45:55 PM

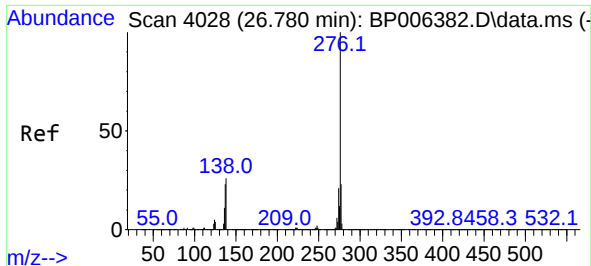


#95  
Dibenzo(a,h)anthracene  
Concen: 2.266 ng/ul  
RT: 26.045 min Scan# 3903  
Delta R.T. -0.024 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57



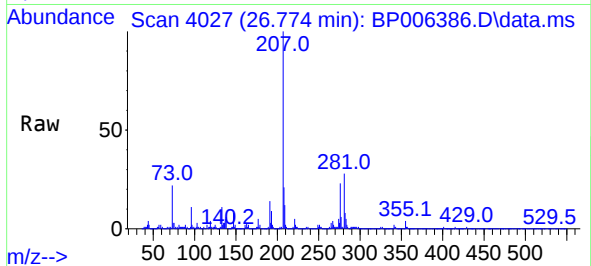
Tgt Ion:278 Resp: 161569  
Ion Ratio Lower Upper  
278 100  
139 0.0 15.8 23.6#  
279 27.2 18.8 28.2





#96  
Benzo(g,h,i)perylene  
Concen: 1.435 ng/ul  
RT: 26.774 min Scan# 4027  
Delta R.T. -0.018 min  
Lab File: BP006386.D  
Acq: 28 Jul 2021 12:57

Instrument :  
BNA\_P  
ClientSampleId :  
BGEN4



Tgt Ion: 276 Resp: 99772  
Ion Ratio Lower Upper  
276 100  
138 24.8 20.2 30.4  
277 24.6 18.6 27.8

Manual Integrations  
APPROVED

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7/29/2021 1:45:55 PM

