

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062221\  
 Data File : BM030526.D  
 Acq On : 22 Jun 2021 21:45  
 Operator : CG/JU  
 Sample : M2662-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDH4

Manual Integrations  
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Quant Time: Jun 23 01:32:19 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 22 15:07:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 165697   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.598 | 136  | 681122   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.439 | 164  | 432820   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 831647   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.345 | 240  | 657034   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.615 | 264  | 661072   | 20.000 | ng/ul  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 10262m   | 2.511  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.716  | 84   | 58812    | 5.356  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 6.975  | 99   | 188177   | 13.168 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 126888   | 14.127 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.340  | 132  | 156946   | 14.228 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.510  | 113  | 156570   | 14.079 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.963  | 128  | 72954    | 14.354 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.686  | 143  | 78146    | 13.835 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.222 | 165  | 152254   | 14.071 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.739 | 131  | 164660   | 10.912 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 533869   | 17.864 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.133 | 160  | 616810   | 15.900 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.645 | 143  | 50848    | 8.981  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.427 | 176  | 482301   | 18.196 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 60759    | 11.167 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.274 | 188  | 765177   | 19.715 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.562 | 212  | 512232   | 14.878 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.468 | 264  | 267363   | 7.779  | ng/ul  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.504 | 153  | 59750    | 2.288  | ng/ul  | 100      |
| 72) Phenanthrene              | 17.221 | 178  | 406760   | 9.108  | ng/ul  | 100      |
| 74) Anthracene                | 17.309 | 178  | 169337   | 3.708  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.227 | 202  | 709157   | 16.866 | ng/ul  | 99       |
| 82) Pyrene                    | 19.592 | 202  | 353263   | 7.996  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.327 | 228  | 362833   | 8.898  | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.256 | 149  | 73665    | 3.522  | ng/ul  | 99       |
| 87) Chrysene                  | 21.380 | 228  | 288919   | 7.268  | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 22.933 | 252  | 336086   | 8.008  | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 22.968 | 252  | 109401m  | 2.712  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.515 | 252  | 82418    | 2.184  | ng/ul# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.903 | 276  | 69957    | 1.472  | ng/ul  | 95       |
| -----                         |        |      |          |        |        |          |

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

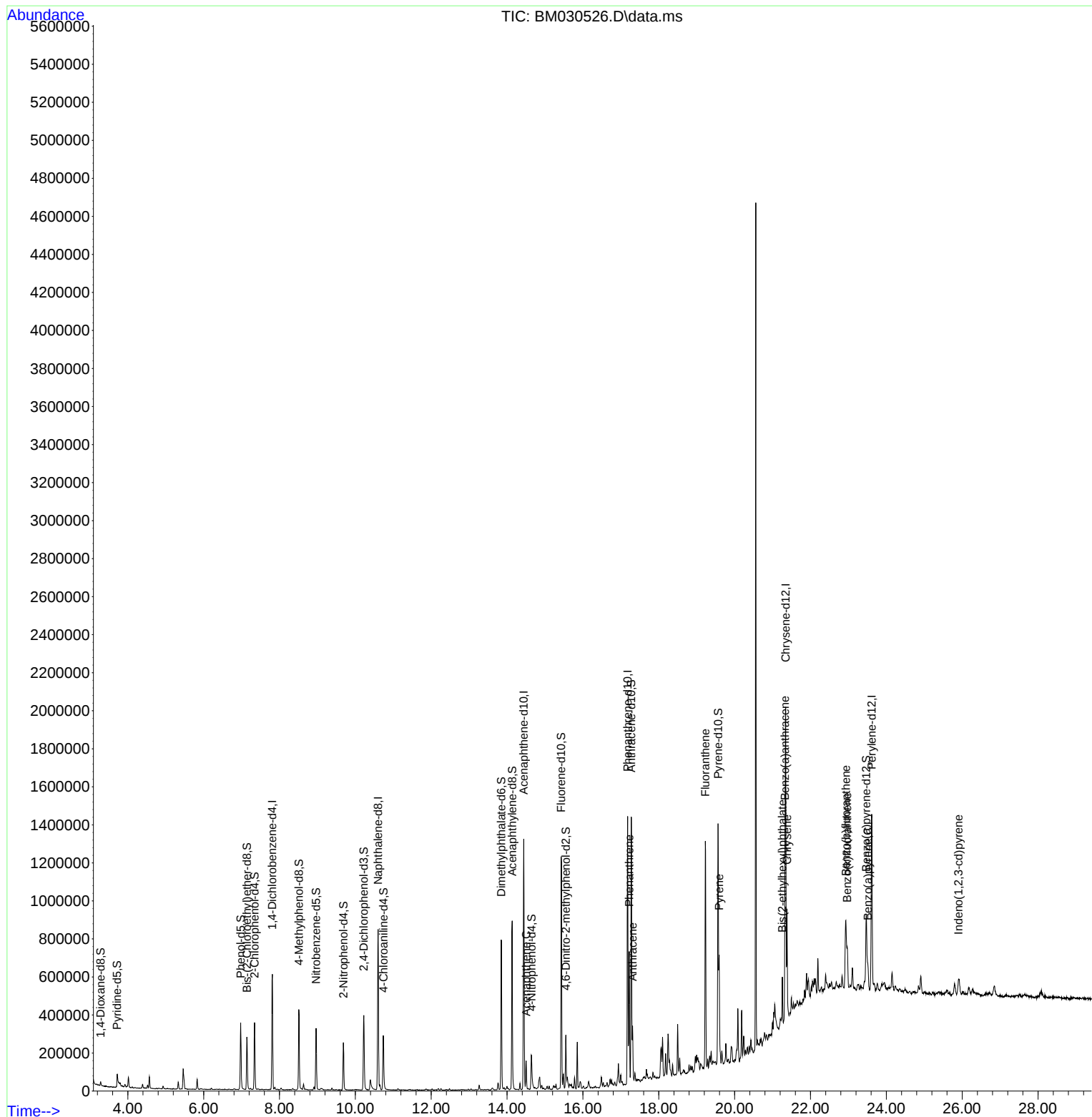
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062221\  
Data File : BM030526.D  
Acq On : 22 Jun 2021 21:45  
Operator : CG/JU  
Sample : M2662-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

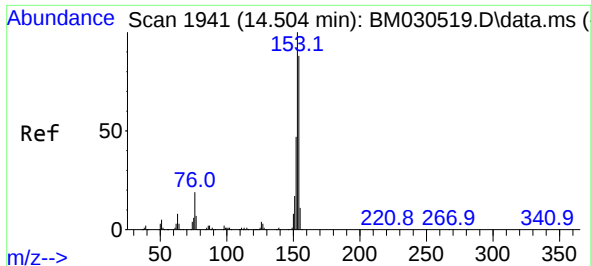
Instrument :  
BNA\_M  
ClientSampleId :  
BGDH4

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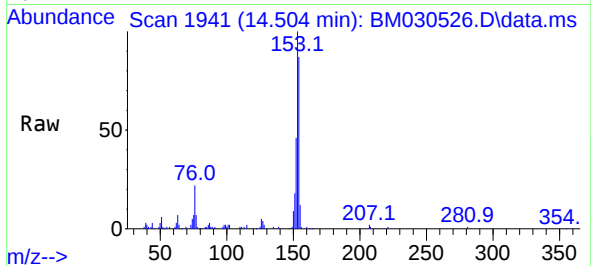
Quant Time: Jun 23 01:32:19 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 22 15:07:37 2021  
Response via : Initial Calibration





#52  
Acenaphthene  
Concen: 2.288 ng/ul  
RT: 14.504 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

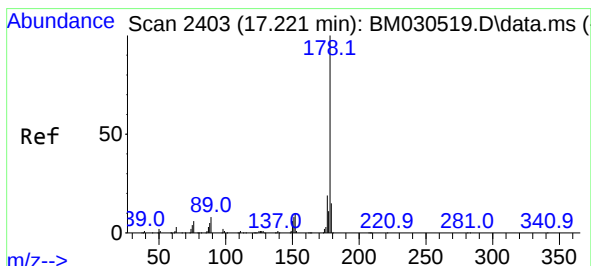
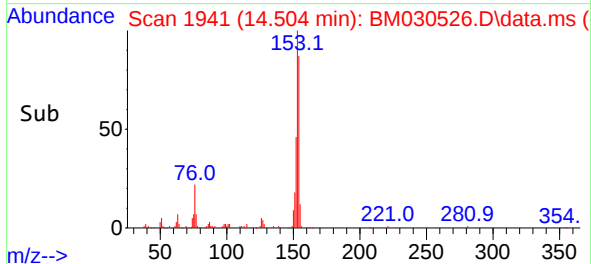
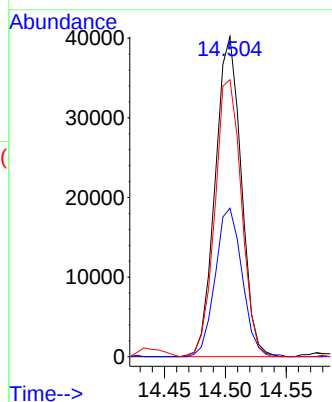
Instrument :  
BNA\_M  
ClientSampled :  
BGDH4



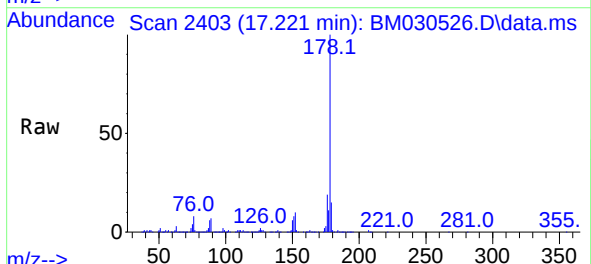
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Ion Ratio Lower Upper  
153 100  
152 46.4 37.4 56.2  
154 86.5 69.4 104.0

Manual Integrations  
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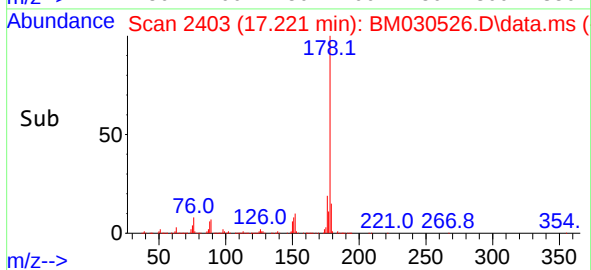
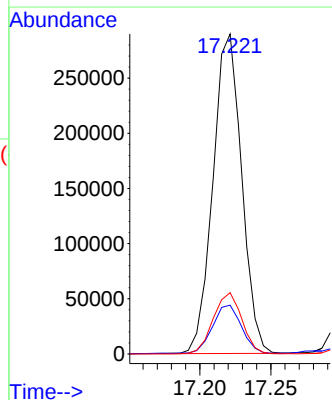
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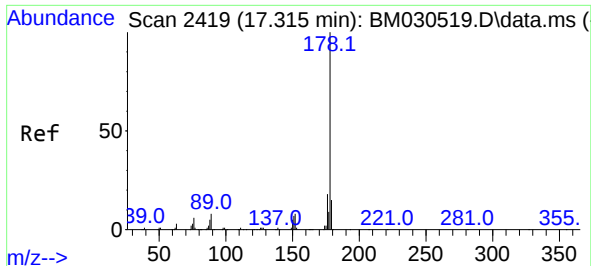


#72  
Phenanthrene  
Concen: 9.108 ng/ul  
RT: 17.221 min Scan# 2403  
Delta R.T. -0.000 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45



Tgt Ion:178 Resp: 406760  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.1 18.1  
176 19.1 15.2 22.8





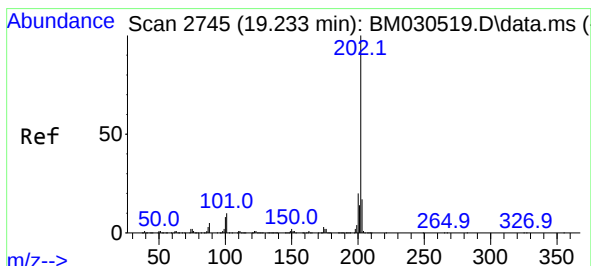
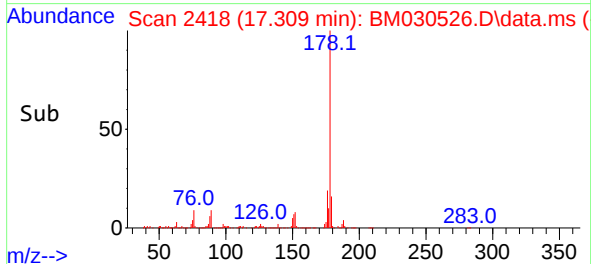
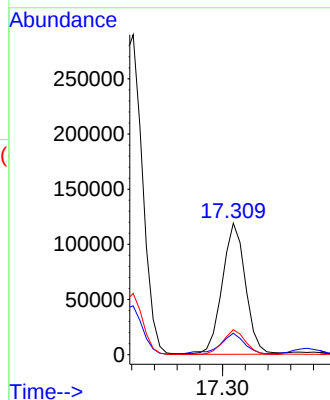
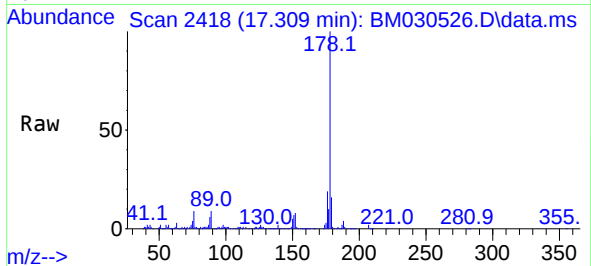
#74  
 Anthracene  
 Concen: 3.708 ng/ul  
 RT: 17.309 min Scan# 2418  
 Delta R.T. -0.006 min  
 Lab File: BM030526.D  
 Acq: 22 Jun 2021 21:45

Tgt Ion:178 Resp: 169337  
 Ion Ratio Lower Upper  
 178 100  
 179 16.3 12.1 18.1  
 176 19.0 15.2 22.8

Instrument :  
 BNA\_M  
 ClientSampled :  
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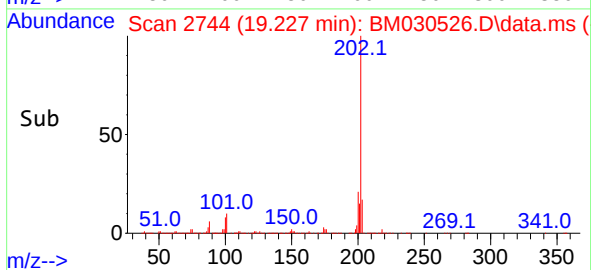
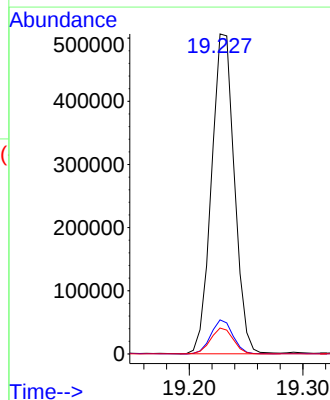
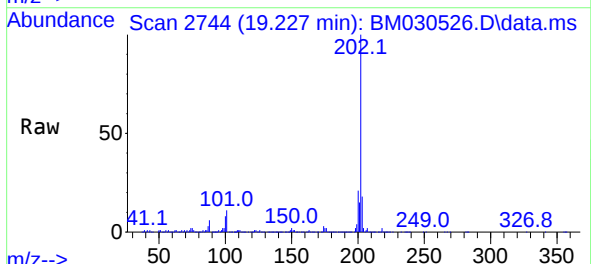
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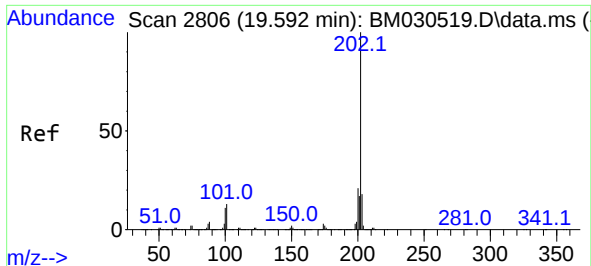
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#80  
 Fluoranthene  
 Concen: 16.866 ng/ul  
 RT: 19.227 min Scan# 2744  
 Delta R.T. -0.006 min  
 Lab File: BM030526.D  
 Acq: 22 Jun 2021 21:45

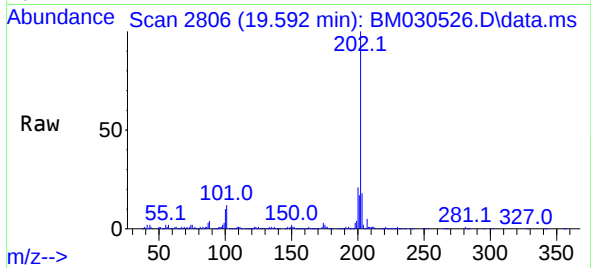
Tgt Ion:202 Resp: 709157  
 Ion Ratio Lower Upper  
 202 100  
 101 10.6 8.8 13.2  
 100 8.1 6.8 10.2





#82  
Pyrene  
Concen: 7.996 ng/ul  
RT: 19.592 min Scan# 2806  
Delta R.T. -0.006 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

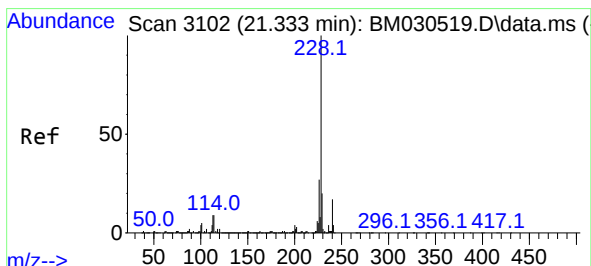
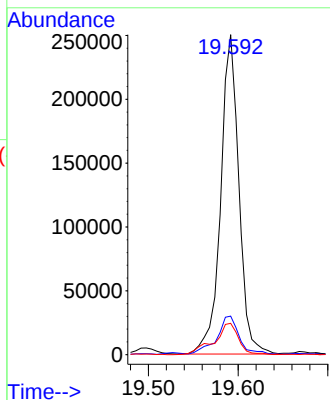
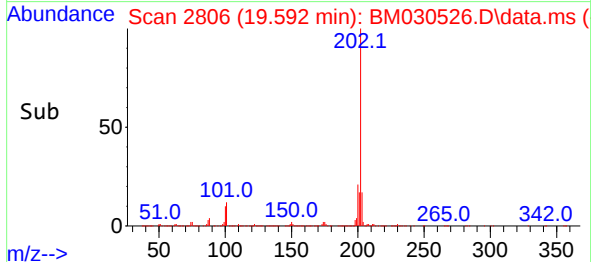
Instrument :  
BNA\_M  
ClientSampled :  
BGDH4



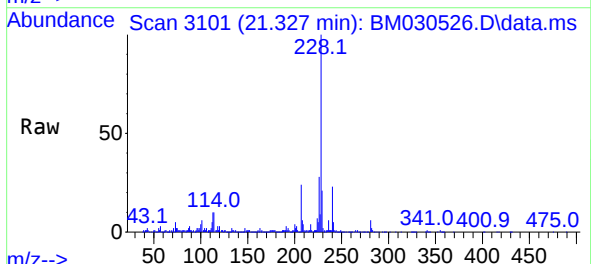
Tgt Ion:202 Resp: 353263  
Ion Ratio Lower Upper  
202 100  
101 12.1 10.0 15.0  
100 9.8 8.5 12.7

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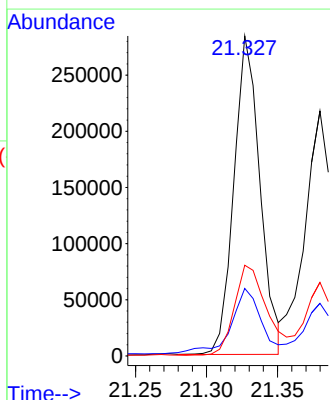
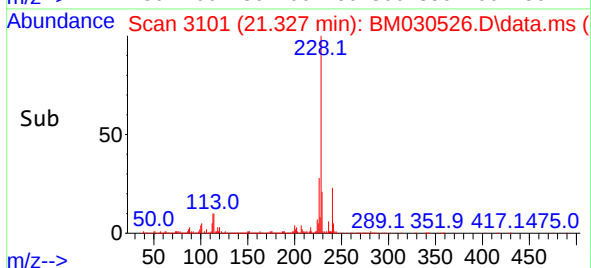
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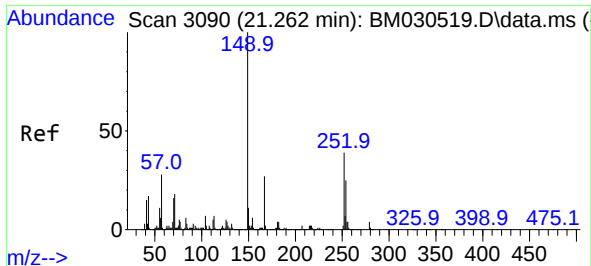


#85  
Benzo(a)anthracene  
Concen: 8.898 ng/ul  
RT: 21.327 min Scan# 3101  
Delta R.T. -0.006 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45



Tgt Ion:228 Resp: 362833  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.0 24.0  
226 28.4 22.2 33.2





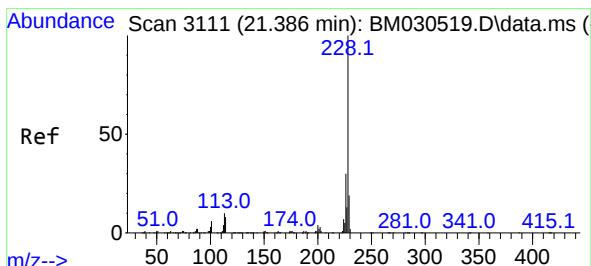
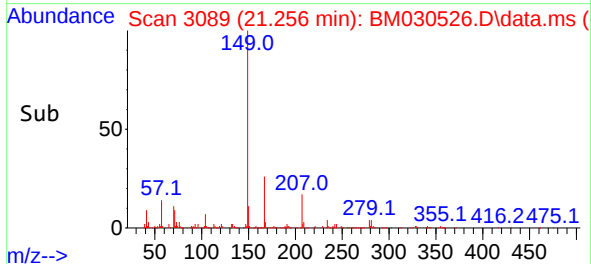
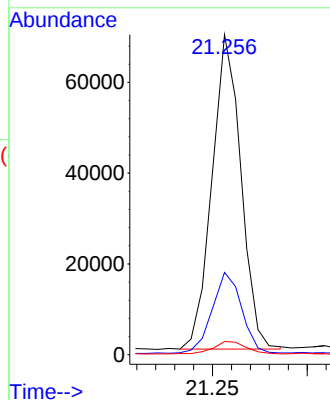
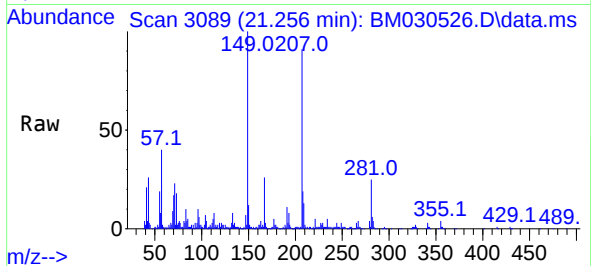
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.522 ng/ul  
RT: 21.256 min Scan# 3089  
Delta R.T. -0.006 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

Tgt Ion:149 Resp: 73665  
Ion Ratio Lower Upper  
149 100  
167 25.7 20.7 31.1  
279 4.1 3.0 4.4

Instrument :  
BNA\_M  
ClientSampled :  
BGDH4

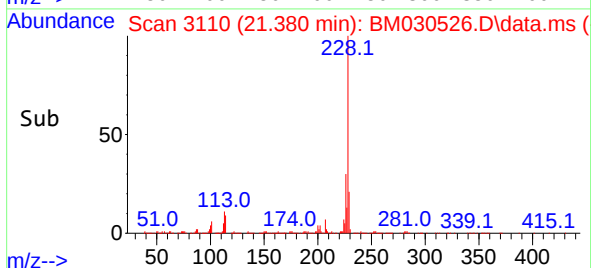
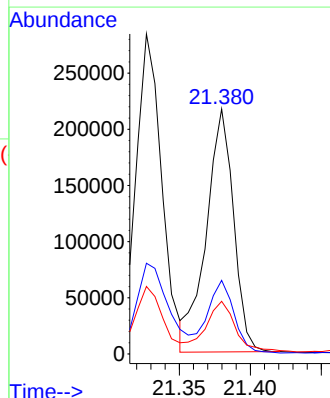
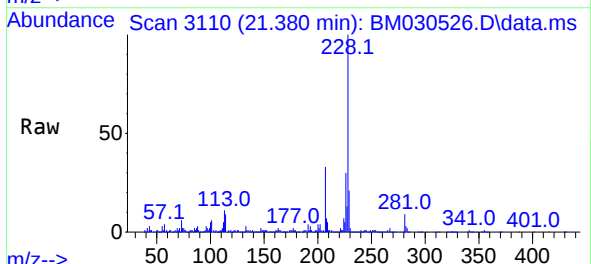
Manual Integrations  
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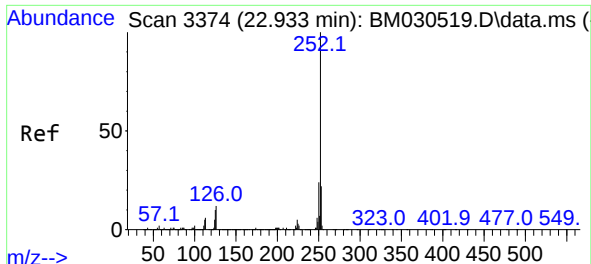
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#87  
Chrysene  
Concen: 7.268 ng/ul  
RT: 21.380 min Scan# 3110  
Delta R.T. -0.006 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

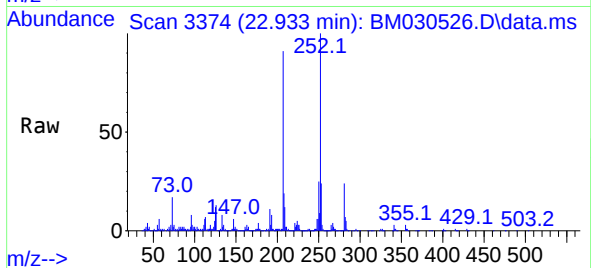
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Ion Ratio Lower Upper  
228 100  
226 30.1 23.6 35.4  
229 21.5 15.9 23.9





#90  
Benzo(b)fluoranthene  
Concen: 8.008 ng/ul  
RT: 22.933 min Scan# 3374  
Delta R.T. -0.006 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

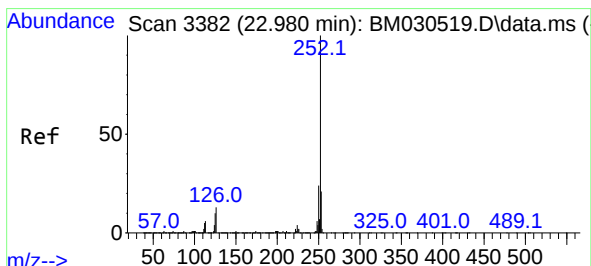
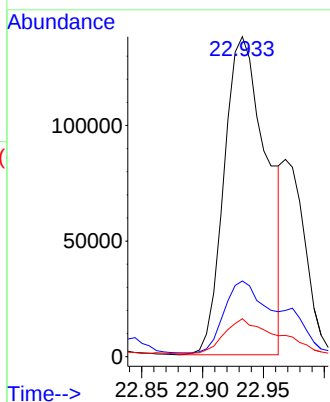
Instrument :  
BNA\_M  
ClientSampled :  
BGDH4



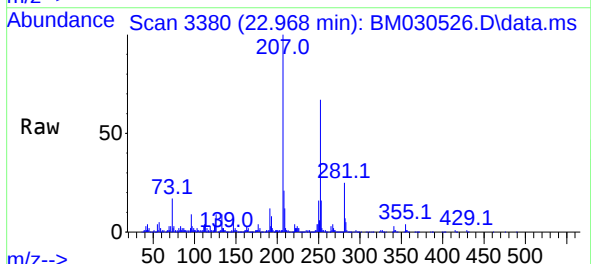
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Ion Ratio Lower Upper  
252 100  
253 23.6 17.8 26.6  
125 11.8 7.7 11.5#

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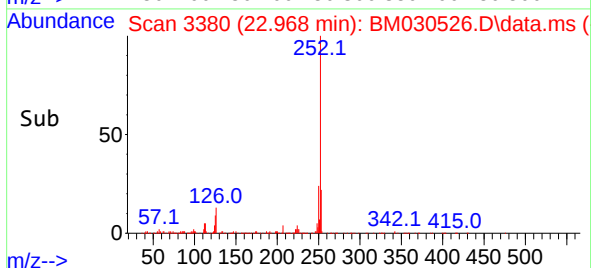
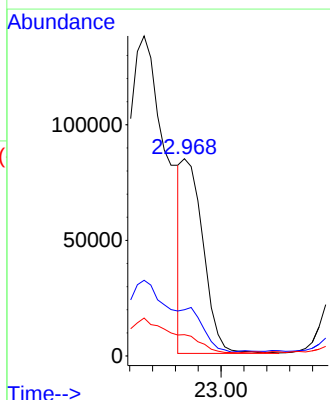
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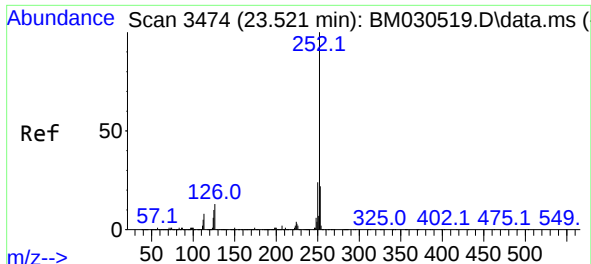


#91  
Benzo(k)fluoranthene  
Concen: 2.712 ng/ul m  
RT: 22.968 min Scan# 3380  
Delta R.T. -0.018 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45



Tgt Ion:252 Resp: 109401  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.4 26.2  
125 10.8 7.9 11.9





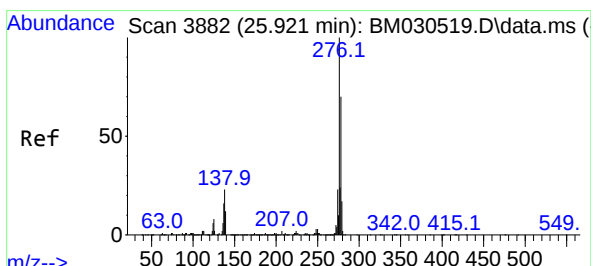
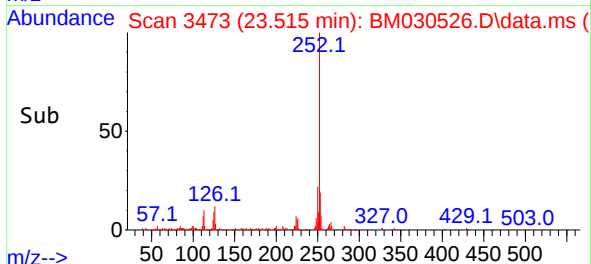
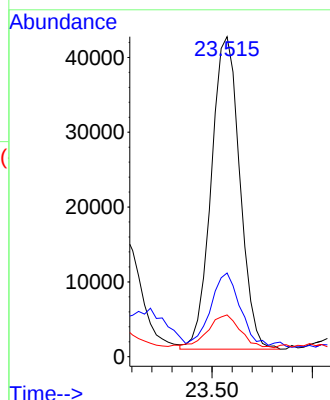
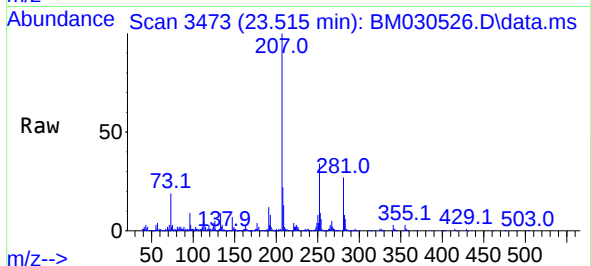
#93  
Benzo(a)pyrene  
Concen: 2.184 ng/ul  
RT: 23.515 min Scan# 3473  
Delta R.T. -0.012 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

Instrument :  
BNA\_M  
ClientSampled :  
BGDH4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.2  | 17.5  | 26.3  |
| 125     | 13.0  | 8.6   | 13.0  |

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#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.472 ng/ul  
RT: 25.903 min Scan# 3879  
Delta R.T. -0.029 min  
Lab File: BM030526.D  
Acq: 22 Jun 2021 21:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.6  | 19.5  | 29.3  |
| 277     | 27.9  | 19.6  | 29.4  |

