

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
 Data File : BM030834.D  
 Acq On : 06 Jul 2021 23:59  
 Operator : CG/JU  
 Sample : M2869-06DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDx4DL

Manual Integrations  
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Quant Time: Jul 07 01:30:19 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 112546   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.545 | 136  | 466987   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.392 | 164  | 308738   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.133 | 188  | 629600   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.303 | 240  | 489905   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.544 | 264  | 444822   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 1012     | 0.351  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.939  | 99   | 17567    | 1.786  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.104  | 67   | 12948    | 2.044  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.298  | 132  | 15388    | 2.040  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.475  | 113  | 14311    | 1.816  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.922  | 128  | 6630     | 1.909  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.645  | 143  | 6696     | 1.762  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.192 | 165  | 13830m   | 1.891  | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 12992m   | 1.251  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.810 | 166  | 54778    | 2.534  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.086 | 160  | 58599    | 2.146  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  |          |
| 60) Fluorene-d10              | 15.386 | 176  | 49179    | 2.584  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.521 | 200  | 2268     | 0.562  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.233 | 188  | 75487    | 2.573  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.521 | 212  | 73442    | 2.718  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.403 | 264  | 46536    | 2.027  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.457 | 153  | 46691    | 2.509  | ng/u1  | 98       |
| 61) Fluorene                  | 15.439 | 166  | 53119    | 2.461  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.174 | 178  | 680637   | 20.260 | ng/u1  | 99       |
| 74) Anthracene                | 17.262 | 178  | 256284   | 7.425  | ng/u1  | 100      |
| 80) Fluoranthene              | 19.186 | 202  | 975429   | 29.278 | ng/u1  | 99       |
| 82) Pyrene                    | 19.550 | 202  | 690844   | 20.007 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 425961   | 13.907 | ng/u1  | 97       |
| 87) Chrysene                  | 21.339 | 228  | 340174   | 11.287 | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 22.874 | 252  | 368174   | 12.849 | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 22.909 | 252  | 114682m  | 4.118  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.444 | 252  | 202418   | 7.983  | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.809 | 276  | 132473   | 4.201  | ng/u1  | 97       |
| 95) Dibenzo(a,h)anthracene    | 25.821 | 278  | 42261    | 1.598  | ng/u1# | 80       |
| -----                         |        |      |          |        |        |          |

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

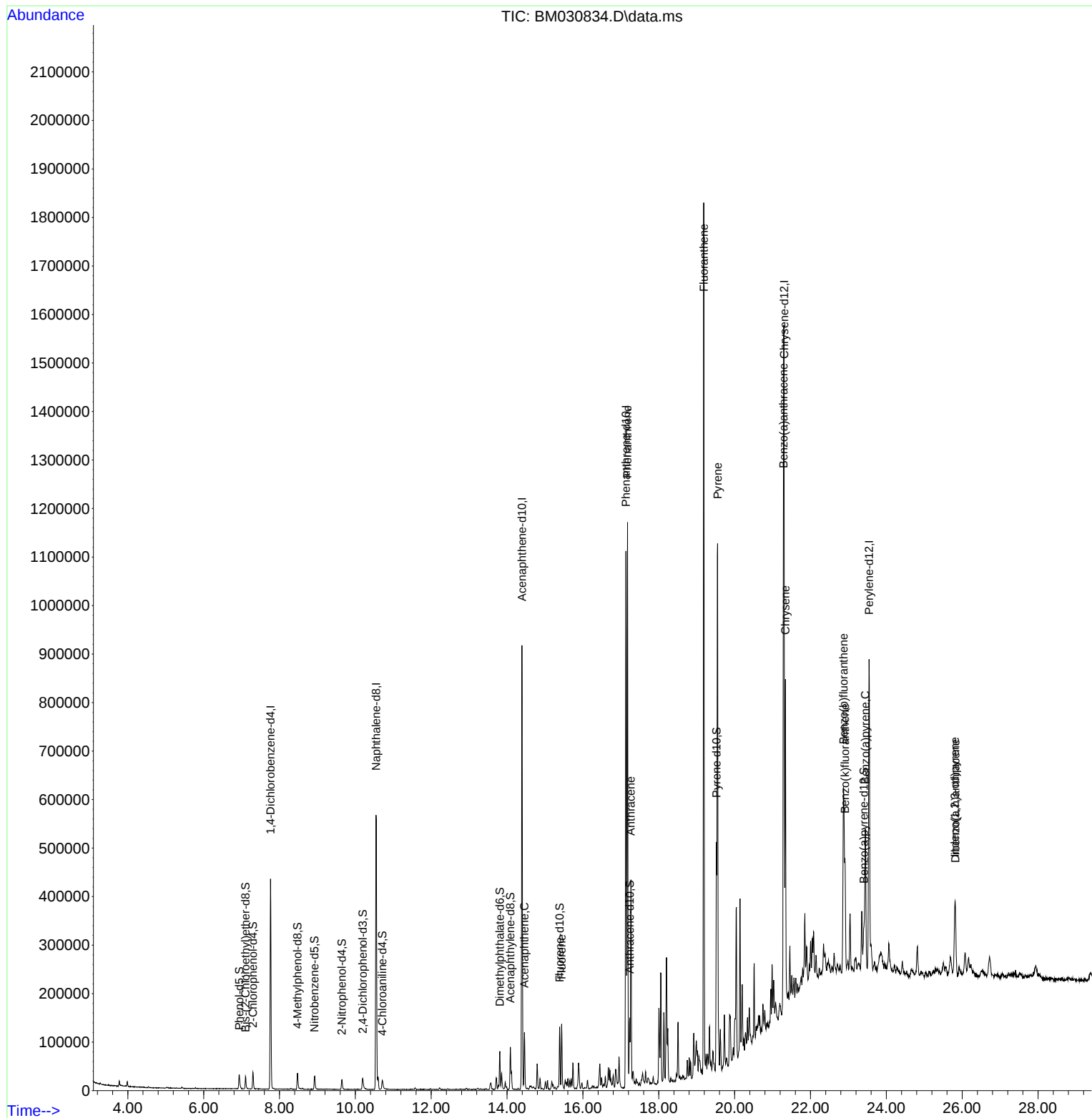
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070621\  
Data File : BM030834.D  
Acq On : 06 Jul 2021 23:59  
Operator : CG/JU  
Sample : M2869-06DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

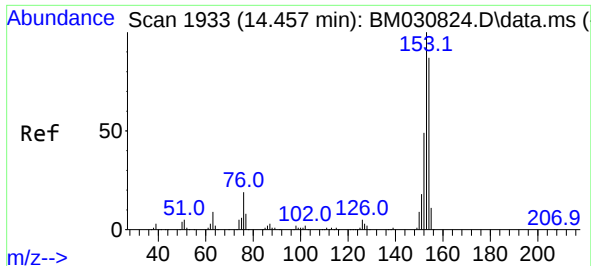
Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

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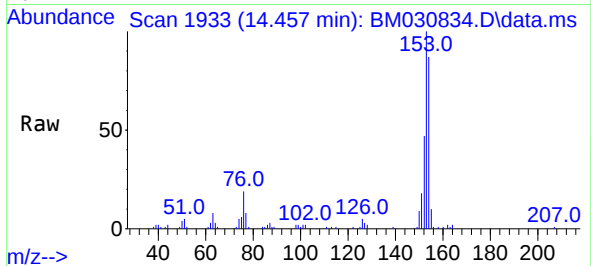
Quant Time: Jul 07 01:30:19 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 06 14:32:50 2021  
Response via : Initial Calibration





#52  
Acenaphthene  
Concen: 2.509 ng/ul  
RT: 14.457 min Scan# 1933  
Delta R.T. -0.000 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

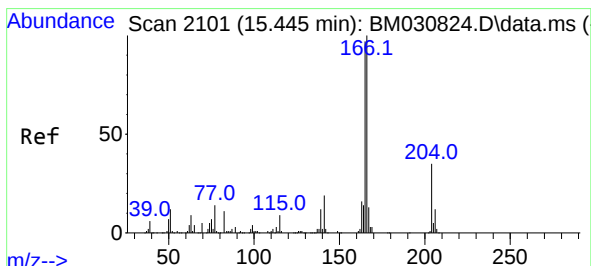
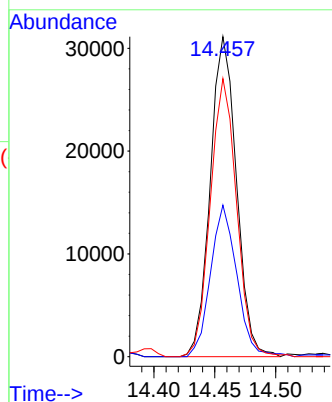
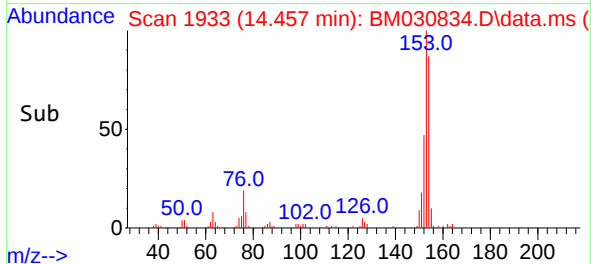
Instrument :  
BNA\_M  
ClientSampled :  
BGDX4DL



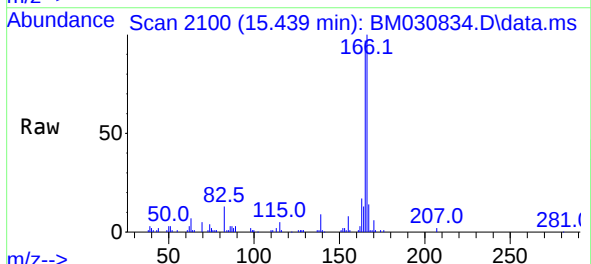
Tgt Ion:153 Resp: 46691  
Ion Ratio Lower Upper  
153 100  
152 47.4 38.8 58.2  
154 86.9 71.3 106.9

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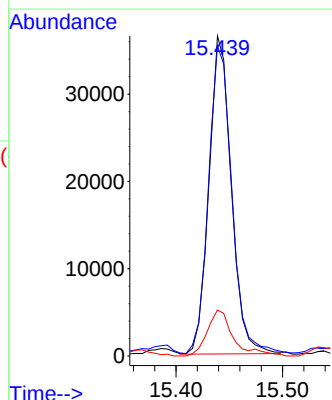
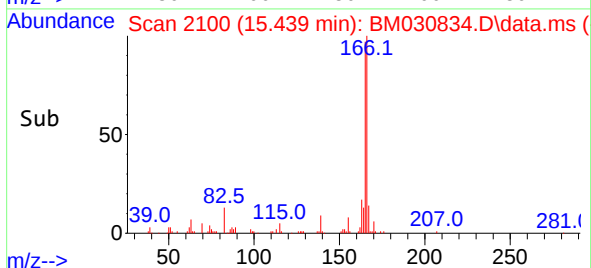
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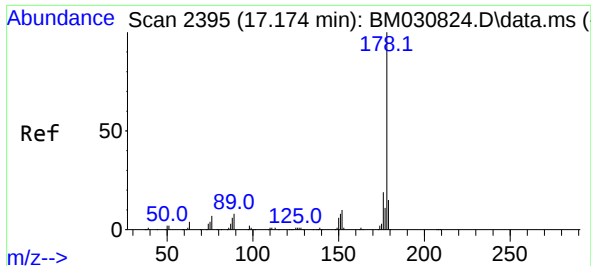


#61  
Fluorene  
Concen: 2.461 ng/ul  
RT: 15.439 min Scan# 2100  
Delta R.T. -0.006 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59



Tgt Ion:166 Resp: 53119  
Ion Ratio Lower Upper  
166 100  
165 97.0 77.4 116.2  
167 14.4 10.6 15.8





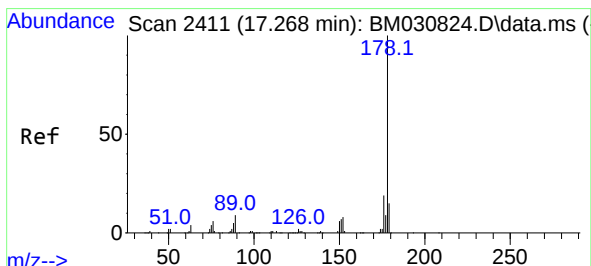
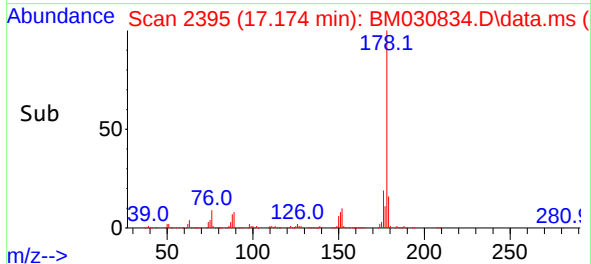
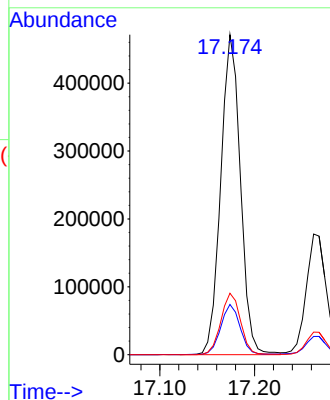
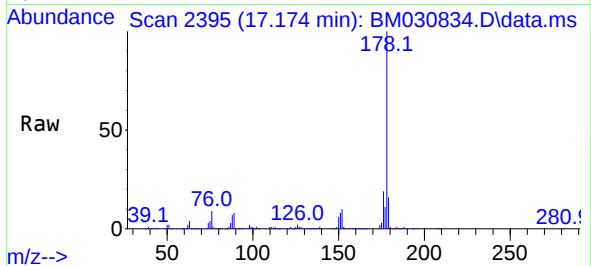
#72  
Phenanthrene  
Concen: 20.260 ng/u1  
RT: 17.174 min Scan# 2395  
Delta R.T. -0.000 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

Tgt Ion:178 Resp: 680637  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.1 18.1  
176 19.2 15.4 23.0

Instrument :  
BNA\_M  
ClientSampleId :  
BGDX4DL

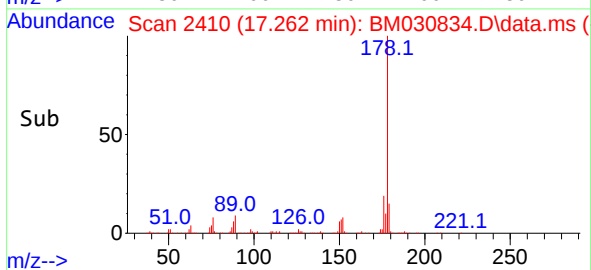
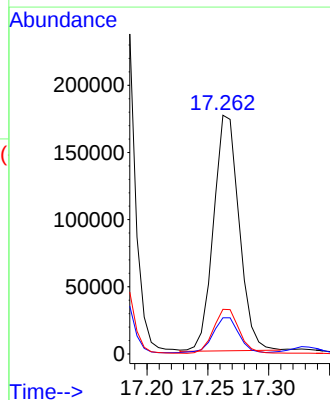
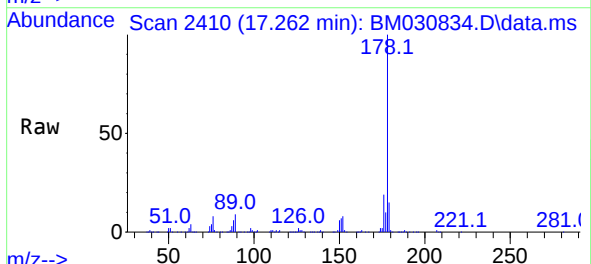
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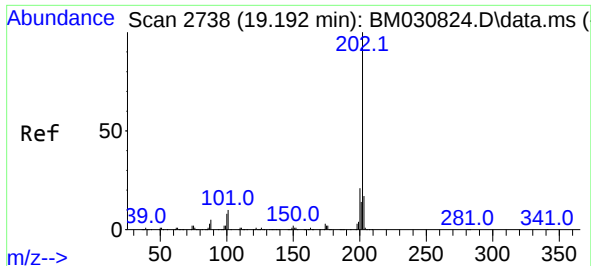
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#74  
Anthracene  
Concen: 7.425 ng/u1  
RT: 17.262 min Scan# 2410  
Delta R.T. -0.006 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

Tgt Ion:178 Resp: 256284  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.1 18.1  
176 18.7 14.7 22.1





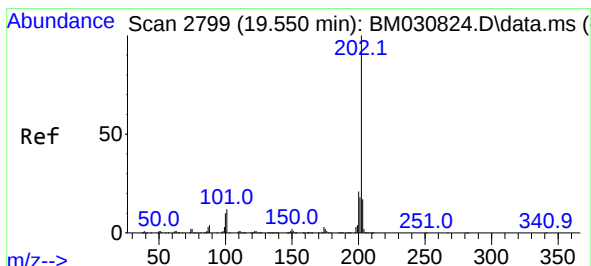
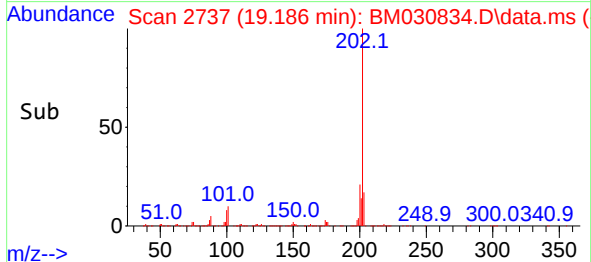
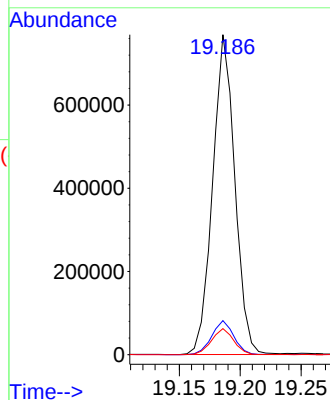
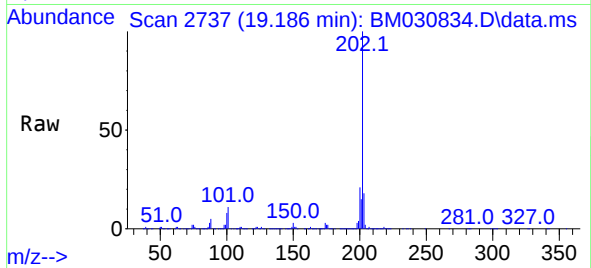
#80  
Fluoranthene  
Concen: 29.278 ng/u1  
RT: 19.186 min Scan# 2737  
Delta R.T. -0.000 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

Tgt Ion:202 Resp: 975429  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.8 13.2  
100 8.1 6.7 10.1

Instrument :  
BNA\_M  
ClientSampleID :  
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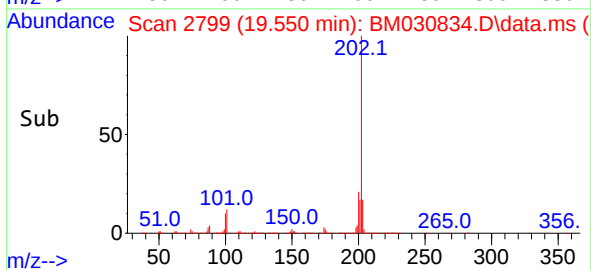
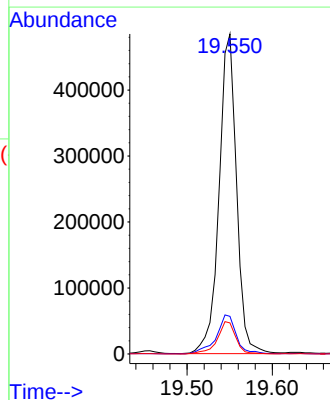
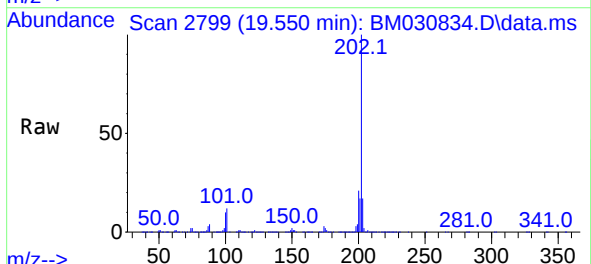
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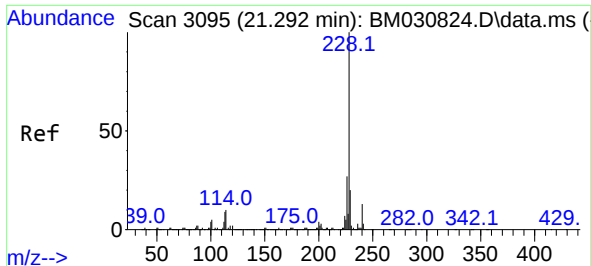
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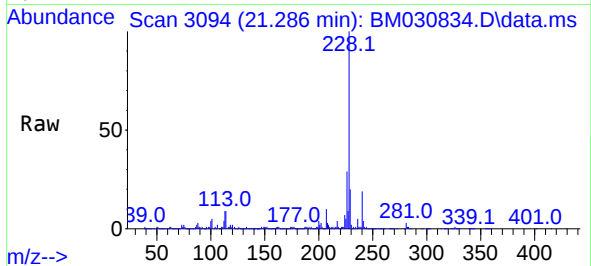
#82  
Pyrene  
Concen: 20.007 ng/u1  
RT: 19.550 min Scan# 2799  
Delta R.T. -0.000 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

Tgt Ion:202 Resp: 690844  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.8 14.6  
100 9.7 8.0 12.0

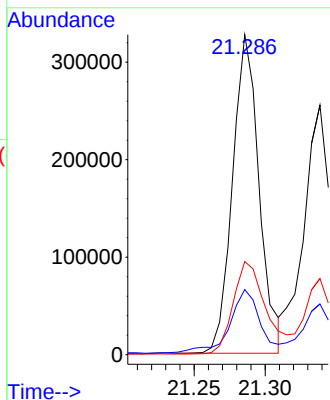
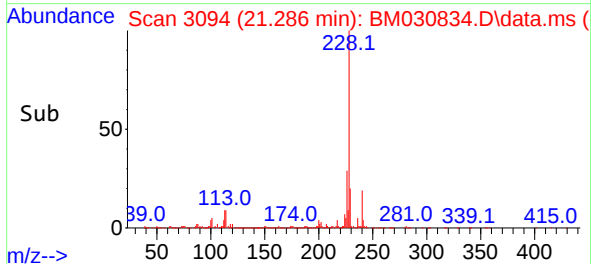




#85  
Benzo(a)anthracene  
Concen: 13.907 ng/u1  
RT: 21.286 min Scan# 3094  
Delta R.T. -0.006 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59



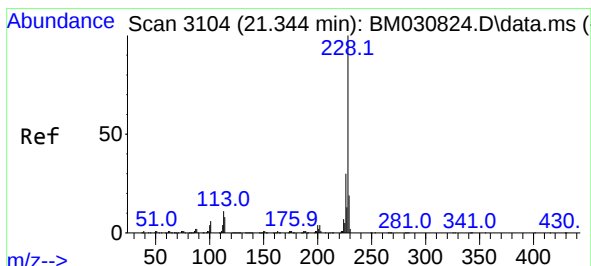
Tgt Ion:228 Resp: 425961  
Ion Ratio Lower Upper  
228 100  
229 20.4 15.4 23.2  
226 29.1 21.8 32.8



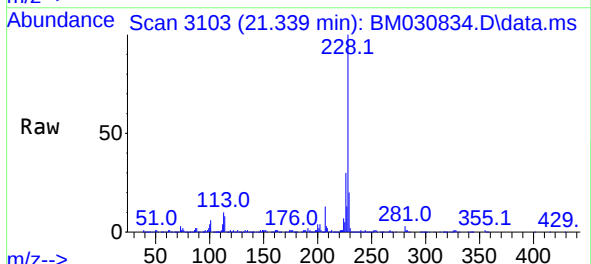
Instrument :  
BNA\_M  
ClientSampled :  
BGDX4DL

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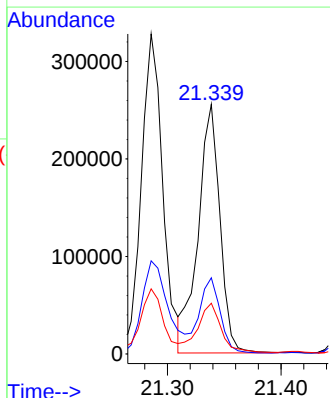
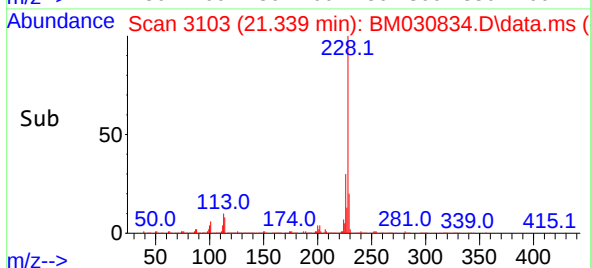
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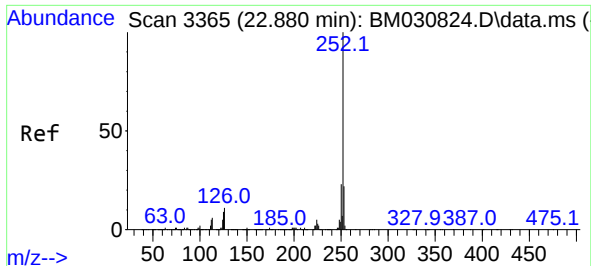


#87  
Chrysene  
Concen: 11.287 ng/u1  
RT: 21.339 min Scan# 3103  
Delta R.T. -0.006 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59



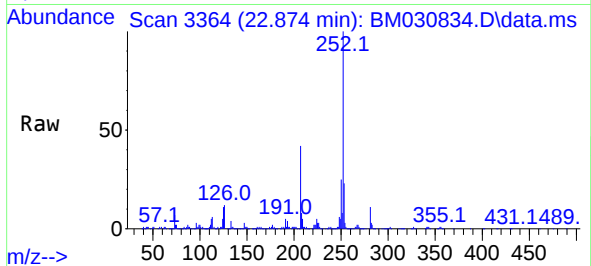
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Ion Ratio Lower Upper  
228 100  
226 30.5 24.5 36.7  
229 20.3 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 12.849 ng/ul  
RT: 22.874 min Scan# 3364  
Delta R.T. -0.000 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

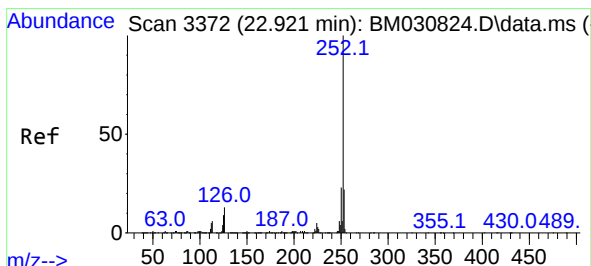
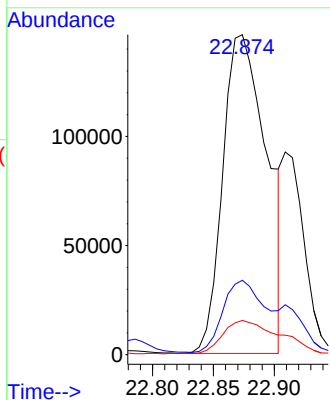
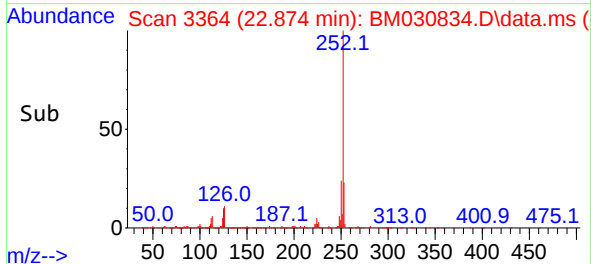
Instrument :  
BNA\_M  
ClientSampled :  
BGDX4DL



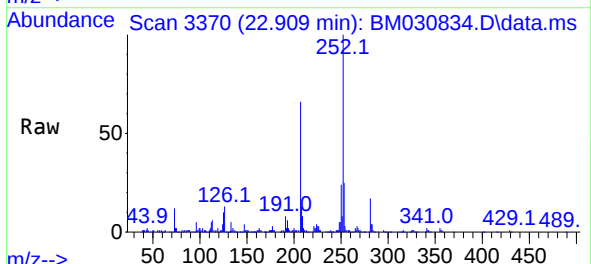
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125 10.7 7.7 11.5

Manual Integrations  
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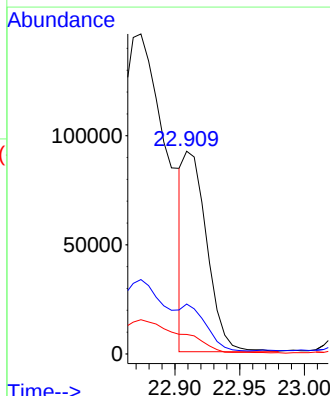
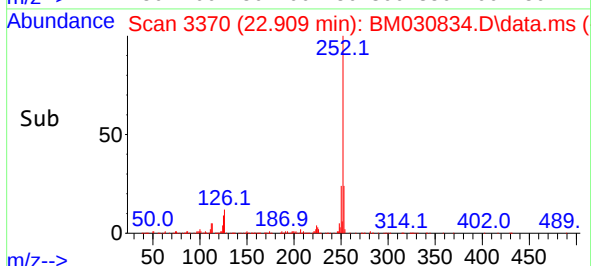
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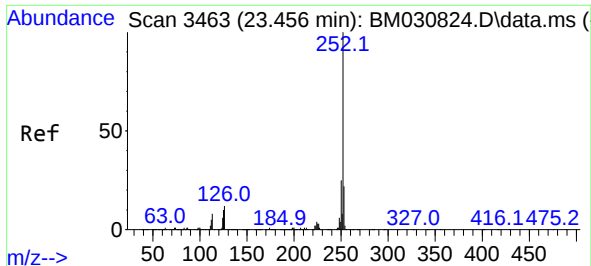


#91  
Benzo(k)fluoranthene  
Concen: 4.118 ng/ul m  
RT: 22.909 min Scan# 3370  
Delta R.T. -0.012 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59



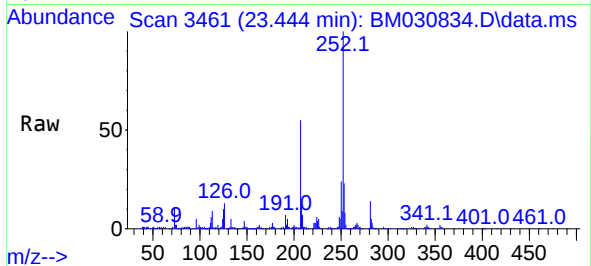
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Ion Ratio Lower Upper  
252 100  
253 24.7 17.4 26.0  
125 9.7 7.4 11.0





#93  
Benzo(a)pyrene  
Concen: 7.983 ng/ul  
RT: 23.444 min Scan# 3461  
Delta R.T. -0.012 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59

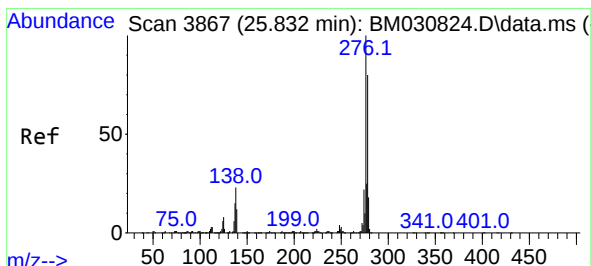
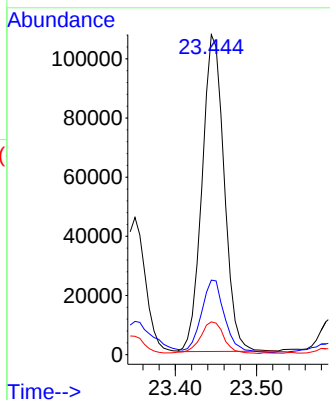
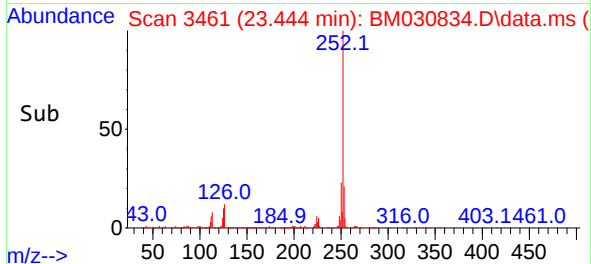
Instrument :  
BNA\_M  
ClientSampled :  
BGDX4DL



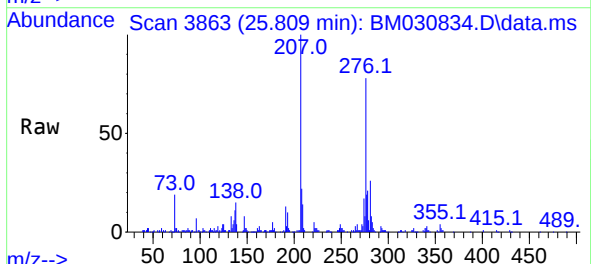
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Manual Integrations  
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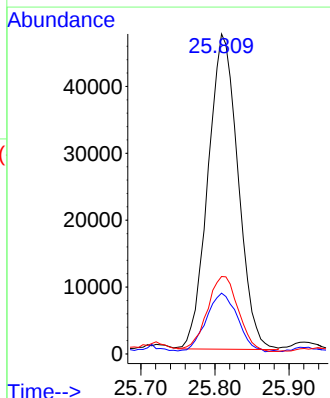
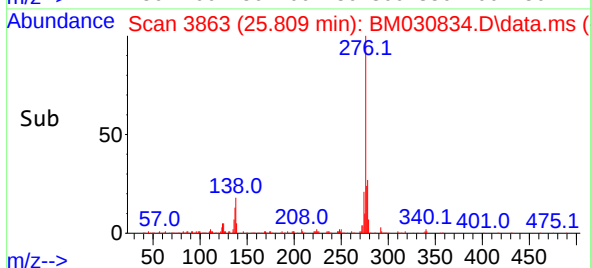
mohammad  
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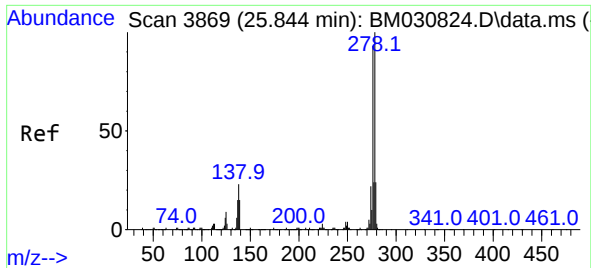


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 4.201 ng/ul  
RT: 25.809 min Scan# 3863  
Delta R.T. -0.018 min  
Lab File: BM030834.D  
Acq: 06 Jul 2021 23:59



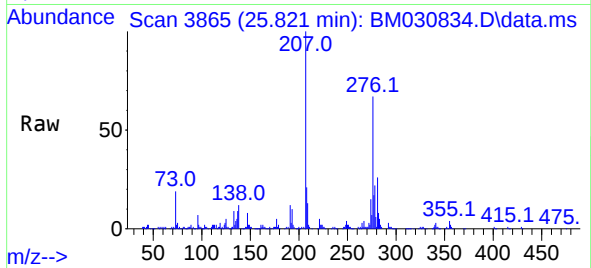
Tgt Ion:276 Resp: 132473  
Ion Ratio Lower Upper  
276 100  
138 24.0 18.1 27.1  
277 24.2 20.3 30.5





#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.598 ng/ul  
 RT: 25.821 min Scan# 3865  
 Delta R.T. -0.018 min  
 Lab File: BM030834.D  
 Acq: 06 Jul 2021 23:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDx4DL



Tgt Ion: 278 Resp: 42261  
 Ion Ratio Lower Upper  
 278 100  
 139 0.0 12.4 18.6#  
 279 28.4 19.0 28.6

Manual Integrations  
 APPROVED

mohammad  
 7/7/2021 6:12:21 PM

