

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080721\  
 Data File : BP006599.D  
 Acq On : 08 Aug 2021 10:16  
 Operator : CG/JU  
 Sample : M3169-09  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C00A8

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:17:21 PM

Quant Time: Aug 09 01:38:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 09 01:37:18 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.752  | 152  | 261649   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.534 | 136  | 1115640  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.381 | 164  | 609415   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.134 | 188  | 1126074  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.233 | 240  | 1026551  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.568 | 264  | 1102766  | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 42759    | 6.100  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 3.687  | 84   | 349946   | 16.817 | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 6.934  | 99   | 961217   | 39.116 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.099  | 67   | 611256   | 39.977 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.287  | 132  | 762300   | 41.754 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.463  | 113  | 718248   | 37.167 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.910  | 128  | 392724   | 47.276 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.628  | 143  | 414216   | 52.222 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.157 | 165  | 647137   | 41.635 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.681 | 131  | 739535   | 28.901 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.804 | 166  | 1941997  | 44.774 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.075 | 160  | 2457604  | 46.119 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.598 | 143  | 328388   | 38.131 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.381 | 176  | 1631718  | 44.751 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 200  | 163261   | 26.007 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.234 | 188  | 2363707  | 46.500 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.480 | 212  | 2593616  | 49.121 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.421 | 264  | 2610118  | 46.576 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.581 | 128  | 288212   | 4.979  | ng/ul  | 100      |
| 36) 2-Methylnaphthalene       | 12.198 | 142  | 229655   | 5.790  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.416 | 142  | 116026   | 2.906  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.216 | 154  | 70958    | 1.553  | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.104 | 152  | 132152   | 2.547  | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.781 | 168  | 93229    | 1.826  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.175 | 178  | 970570   | 16.051 | ng/ul  | 99       |
| 74) Anthracene                | 17.269 | 178  | 181564   | 2.961  | ng/ul  | 100      |
| 77) Carbazole                 | 17.545 | 167  | 71922    | 1.282  | ng/ul# | 97       |
| 80) Fluoranthene              | 19.151 | 202  | 1404749  | 21.591 | ng/ul  | 99       |
| 82) Pyrene                    | 19.510 | 202  | 1238056  | 18.338 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.222 | 228  | 644461   | 10.131 | ng/ul  | 92       |
| 86) Bis(2-ethylhexyl)phtha... | 21.157 | 149  | 152139   | 3.508  | ng/ul  | 98       |
| 87) Chrysene                  | 21.269 | 228  | 784747   | 12.871 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 22.857 | 252  | 1116601  | 15.941 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 22.898 | 252  | 279497m  | 4.204  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.463 | 252  | 659445   | 10.771 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.968 | 276  | 535888   | 6.838  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.980 | 278  | 138406   | 2.085  | ng/ul# | 83       |
| 96) Benzo(g,h,i)perylene      | 26.704 | 276  | 458093   | 7.074  | ng/ul  | 95       |
| -----                         |        |      |          |        |        |          |

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

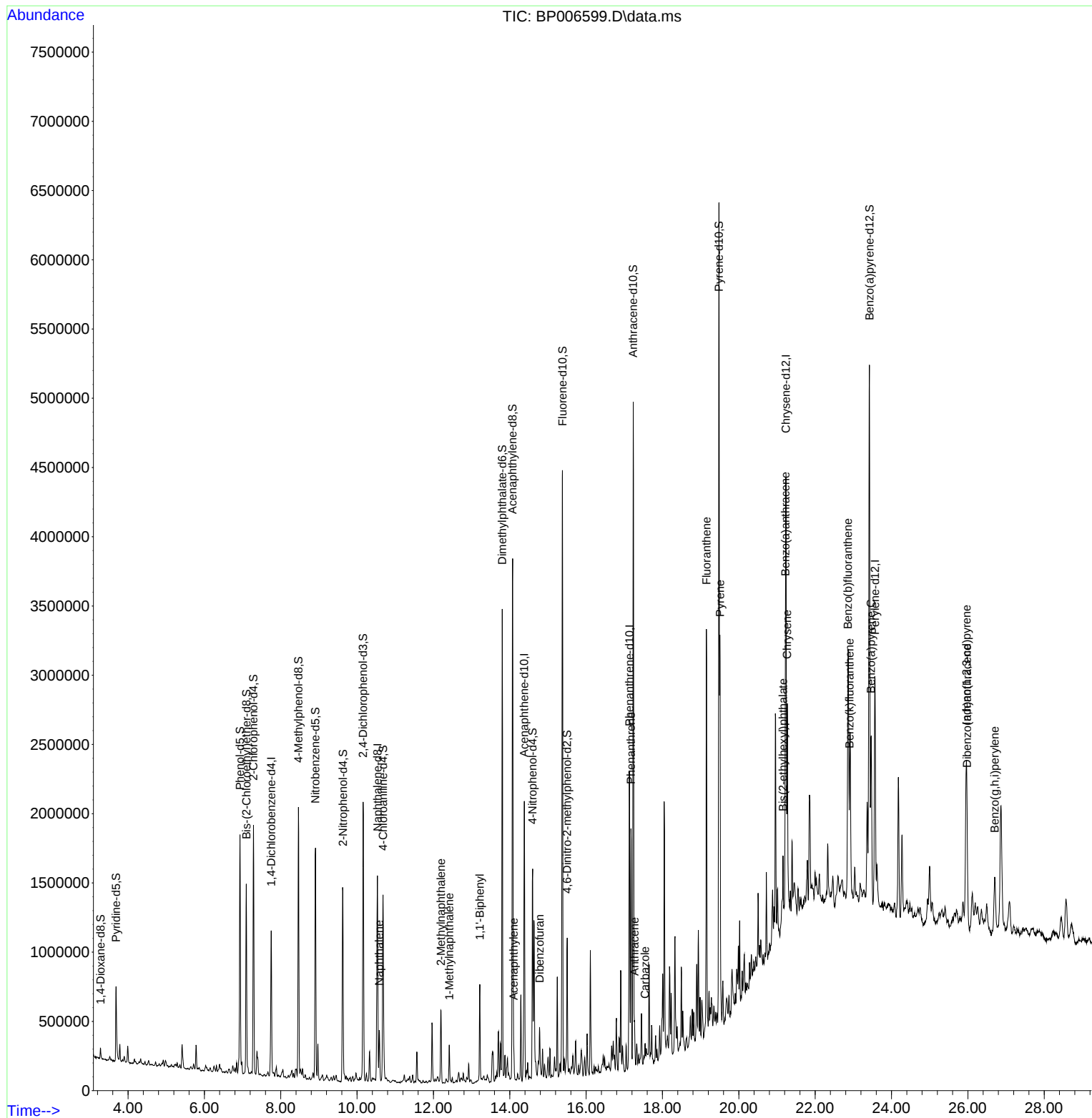
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 Data File : BP006599.D  
 Acq On : 08 Aug 2021 10:16  
 Operator : CG/JU  
 Sample : M3169-09  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

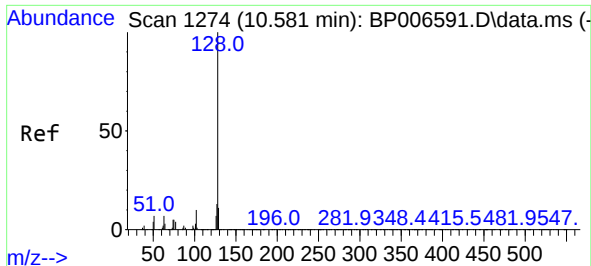
Instrument :  
 BNA\_P  
 ClientSampleId :  
 C00A8

Manual Integrations  
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Quant Time: Aug 09 01:38:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 09 01:37:18 2021  
 Response via : Initial Calibration





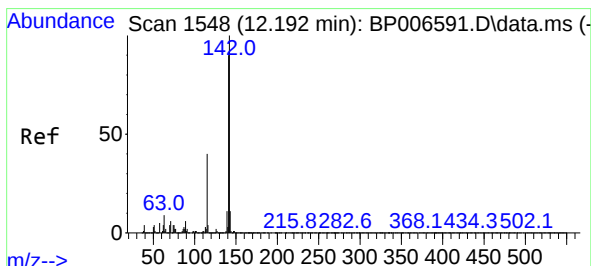
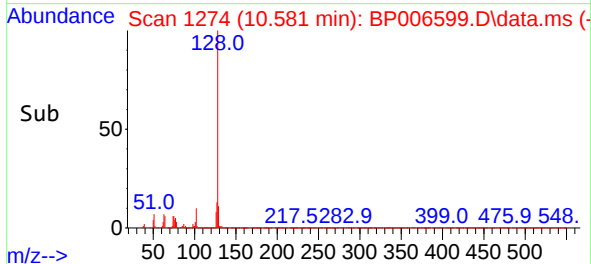
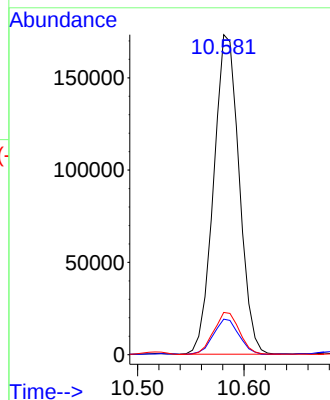
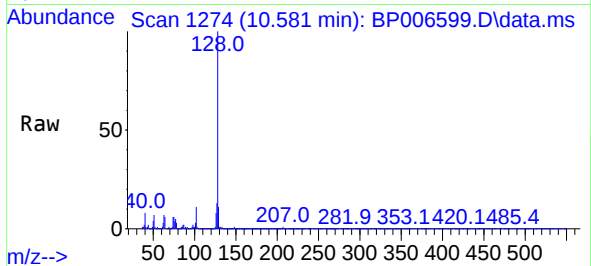
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Naphthalene  
Concen: 4.979 ng/ul  
RT: 10.581 min Scan# 1274  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 288212 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.1  | 8.6   | 13.0   |
| 127       | 13.2  | 10.6  | 15.8   |

Instrument :  
BNA\_P  
ClientSampled :  
C00A8

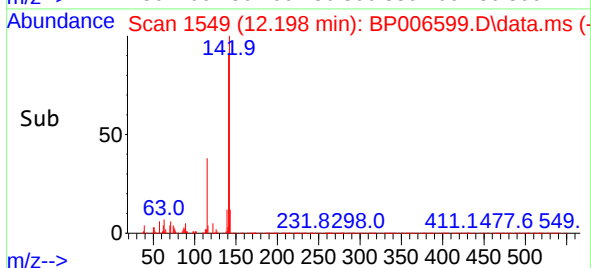
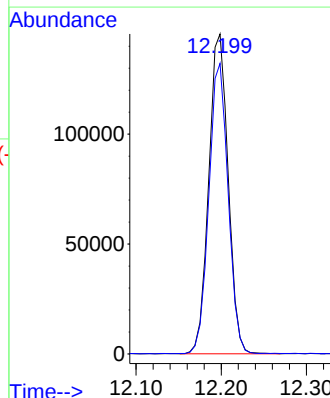
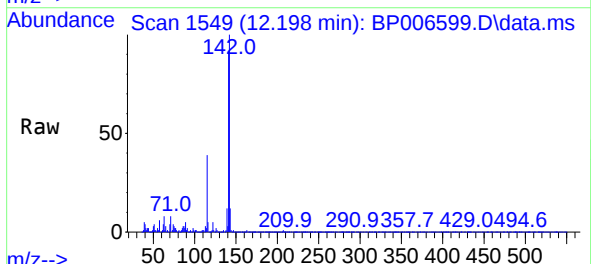
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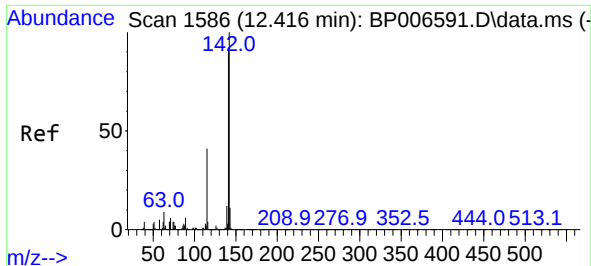
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8/9/2021 12:17:21 PM



#36  
2-Methylnaphthalene  
Concen: 5.790 ng/ul  
RT: 12.198 min Scan# 1549  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

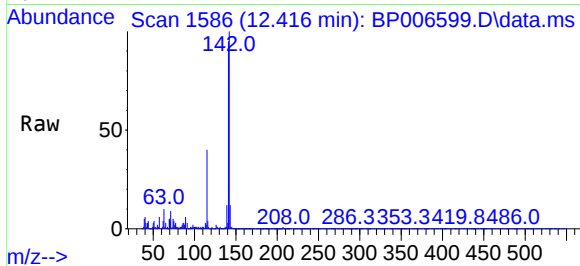
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 229655 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 90.8  | 71.5  | 107.3  |





#37  
1-Methylnaphthalene  
Concen: 2.906 ng/ul  
RT: 12.416 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

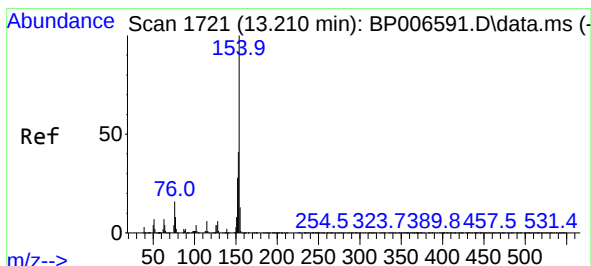
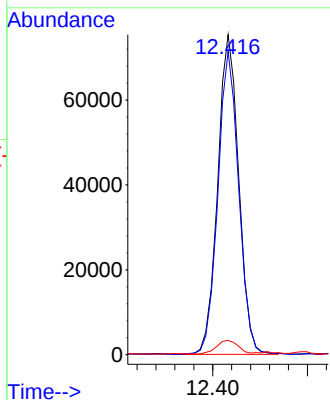
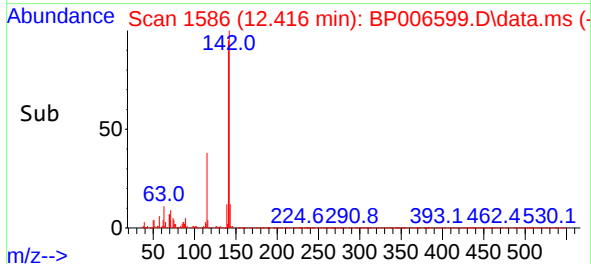
Instrument :  
BNA\_P  
ClientSampled :  
C00A8



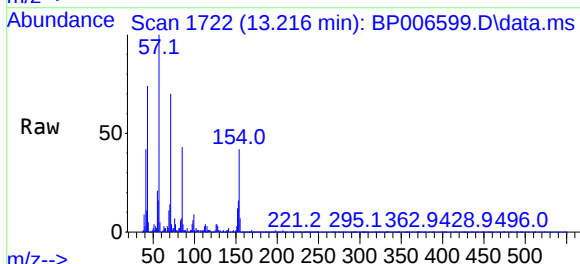
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Ion Ratio Lower Upper  
142 100  
141 94.7 74.4 111.6  
116 4.5 3.3 4.9

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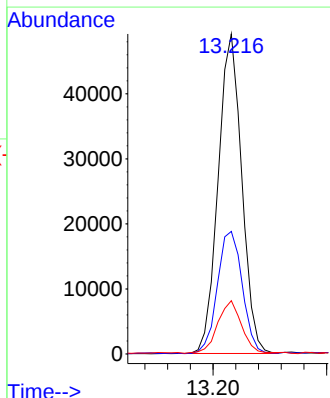
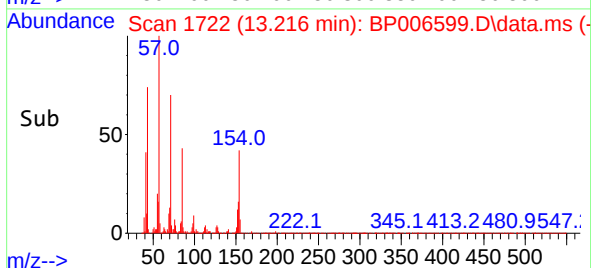
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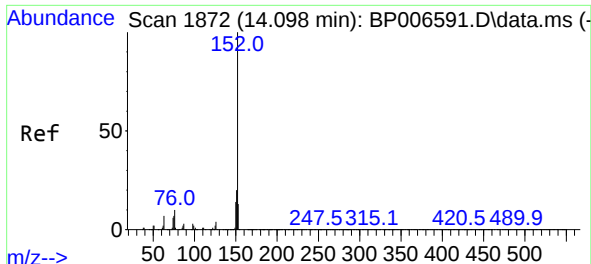


#43  
1,1'-Biphenyl  
Concen: 1.553 ng/ul  
RT: 13.216 min Scan# 1722  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16



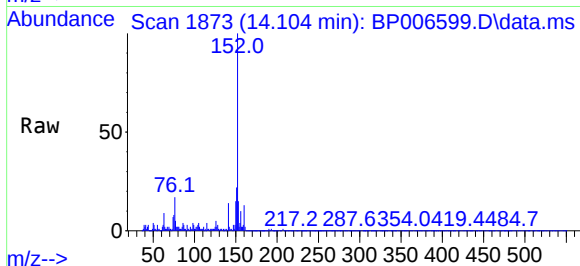
Tgt Ion:154 Resp: 70958  
Ion Ratio Lower Upper  
154 100  
153 38.3 32.8 49.2  
76 16.7 12.8 19.2





#50  
Acenaphthylene  
Concen: 2.547 ng/ul  
RT: 14.104 min Scan# 1873  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

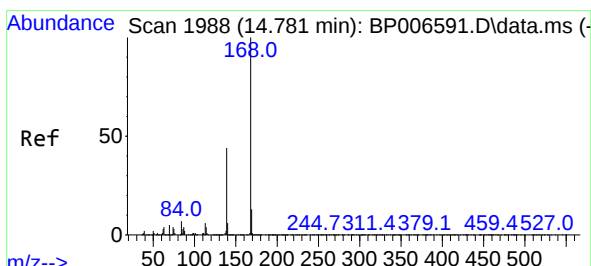
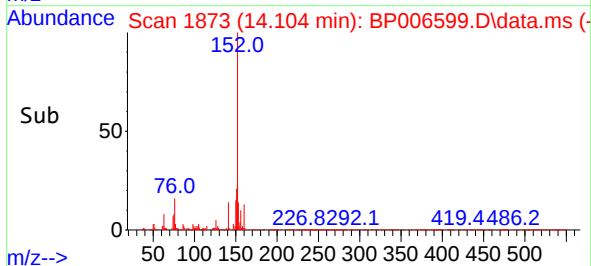
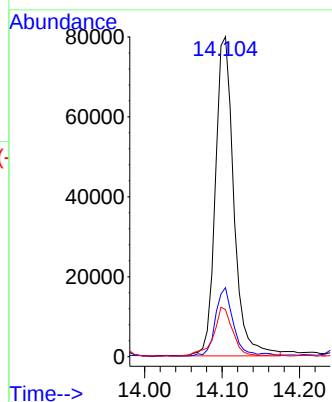
Instrument :  
BNA\_P  
ClientSampled :  
C00A8



Tgt Ion:152 Resp: 132152  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.0 24.0  
153 14.7 10.3 15.5

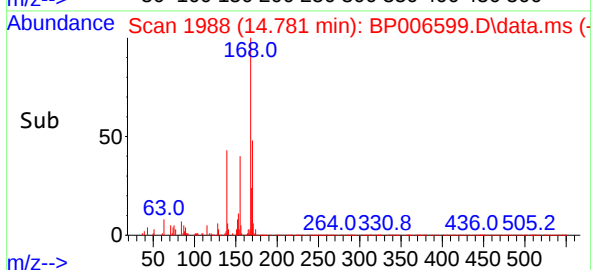
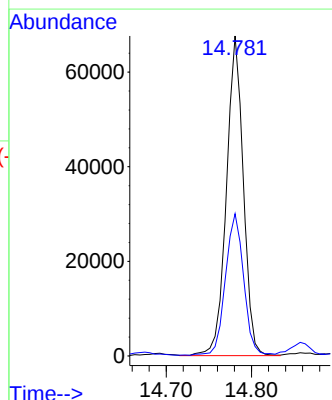
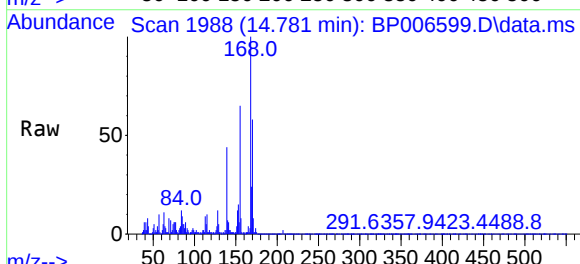
Manual Integrations  
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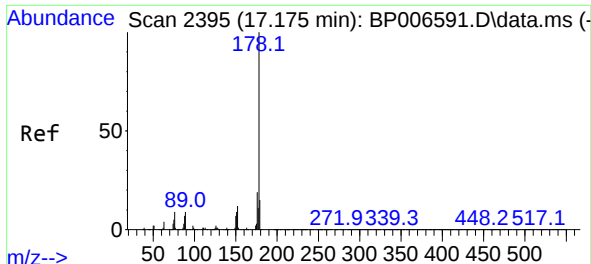
mohammad  
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#56  
Dibenzofuran  
Concen: 1.826 ng/ul  
RT: 14.781 min Scan# 1988  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

Tgt Ion:168 Resp: 93229  
Ion Ratio Lower Upper  
168 100  
139 44.4 34.6 52.0





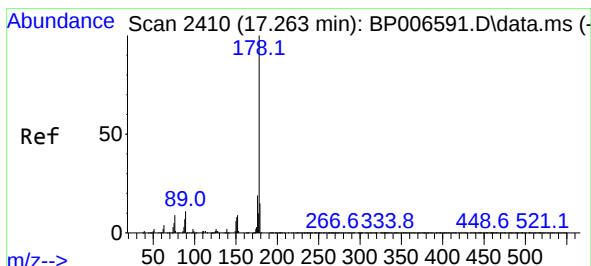
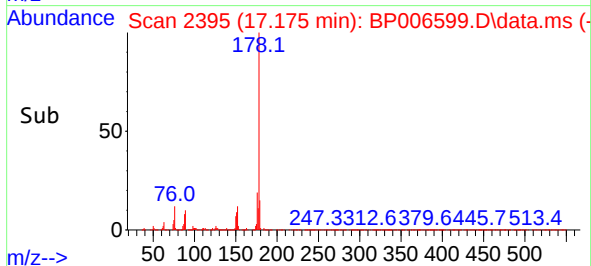
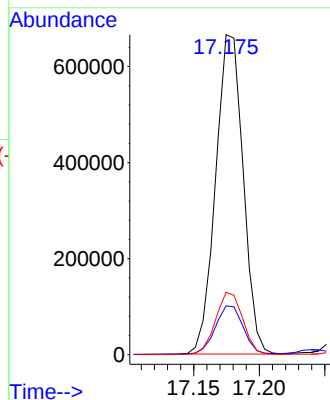
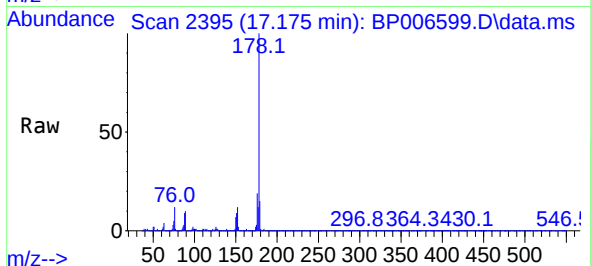
#72  
Phenanthrene  
Concen: 16.051 ng/ul  
RT: 17.175 min Scan# 2395  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

Tgt Ion:178 Resp: 970570  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.4 18.6  
176 19.5 15.2 22.8

Instrument :  
BNA\_P  
ClientSampled :  
C00A8

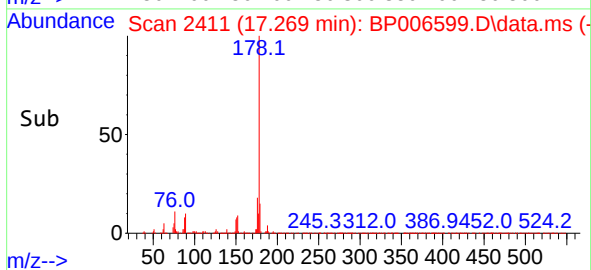
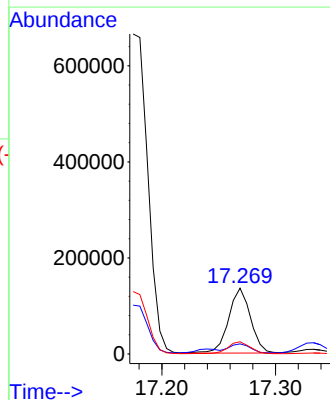
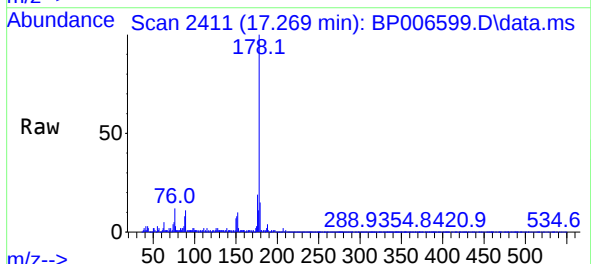
Manual Integrations  
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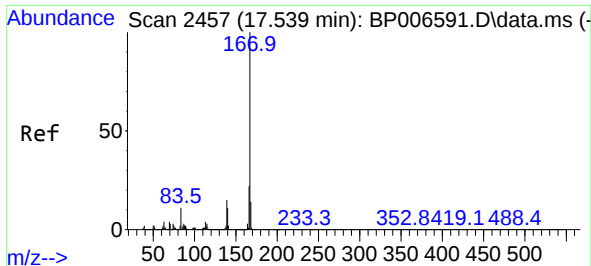
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8/9/2021 12:17:21 PM



#74  
Anthracene  
Concen: 2.961 ng/ul  
RT: 17.269 min Scan# 2411  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

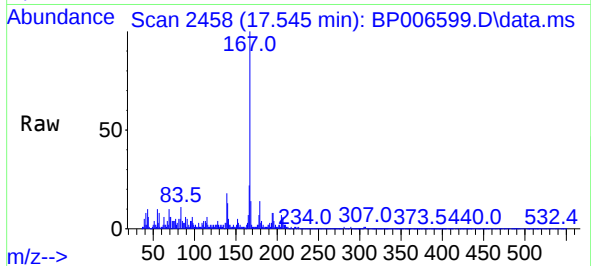
Tgt Ion:178 Resp: 181564  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.0 18.0  
176 18.5 14.7 22.1





#77  
Carbazole  
Concen: 1.282 ng/ul  
RT: 17.545 min Scan# 2458  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

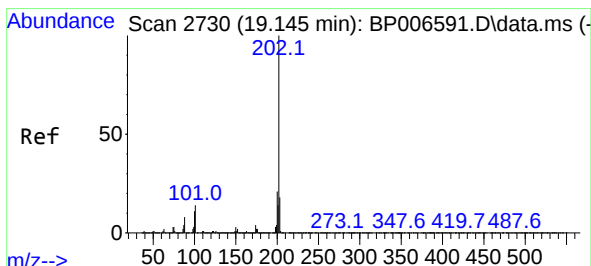
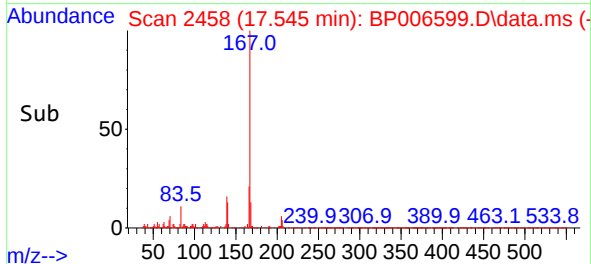
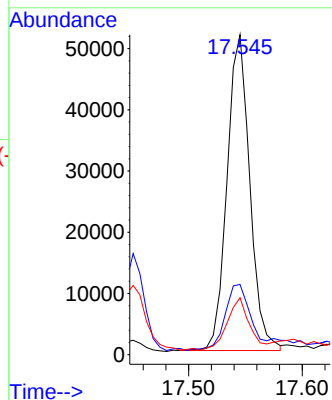
Instrument :  
BNA\_P  
ClientSampled :  
C00A8



Tgt Ion:167 Resp: 71922  
Ion Ratio Lower Upper  
167 100  
166 22.0 17.7 26.5  
139 17.8 11.7 17.5#

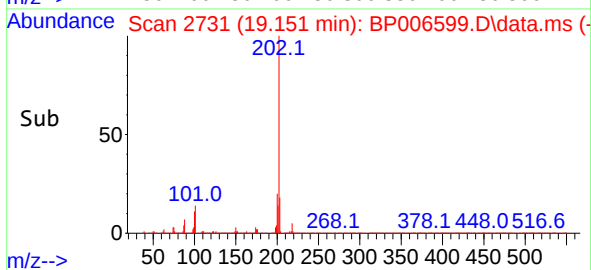
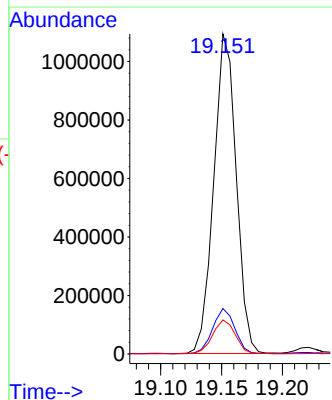
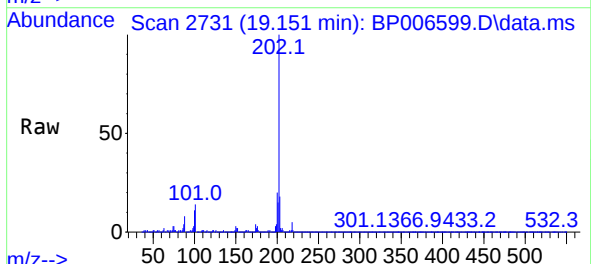
Manual Integrations  
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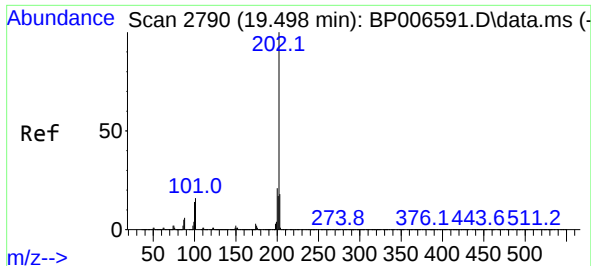
mohammad  
8/9/2021 12:17:21 PM



#80  
Fluoranthene  
Concen: 21.591 ng/ul  
RT: 19.151 min Scan# 2731  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

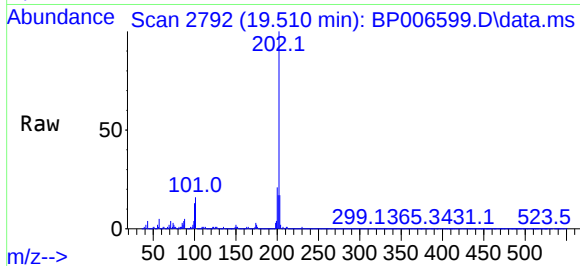
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Ion Ratio Lower Upper  
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101 14.2 11.2 16.8  
100 10.7 8.7 13.1





#82  
Pyrene  
Concen: 18.338 ng/ul  
RT: 19.510 min Scan# 2792  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

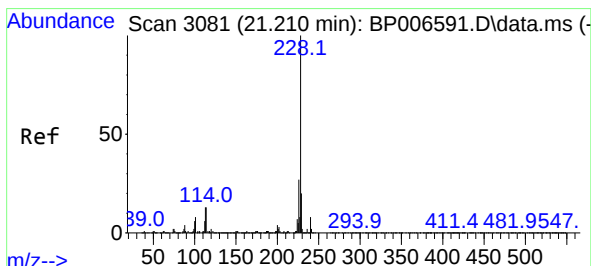
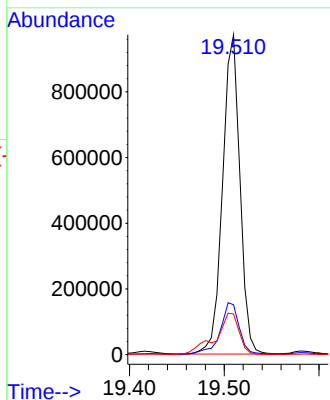
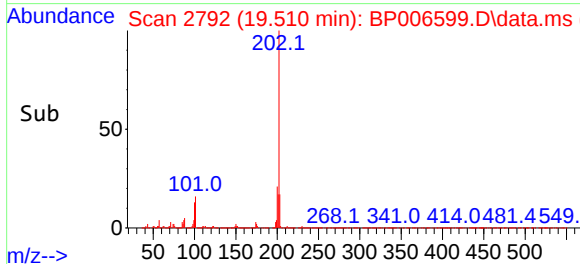
Instrument :  
BNA\_P  
ClientSampled :  
C00A8



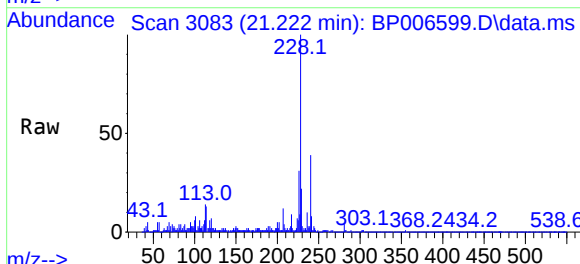
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202 100  
101 15.6 13.0 19.6  
100 12.7 11.4 17.0

Manual Integrations  
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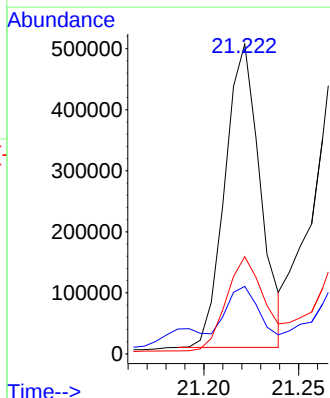
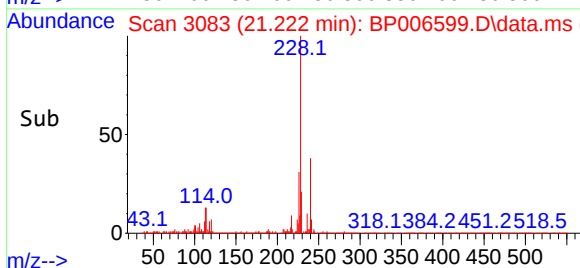
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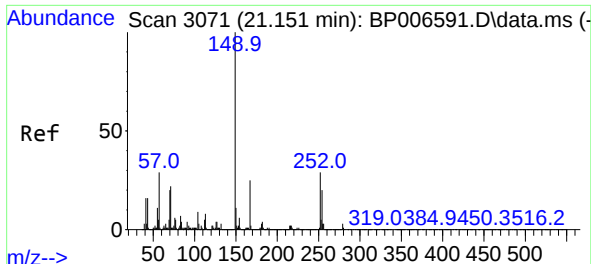


#85  
Benzo(a)anthracene  
Concen: 10.131 ng/ul  
RT: 21.222 min Scan# 3083  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16



Tgt Ion:228 Resp: 644461  
Ion Ratio Lower Upper  
228 100  
229 21.8 15.6 23.4  
226 31.4 21.2 31.8





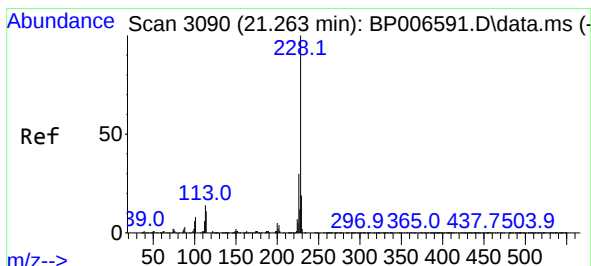
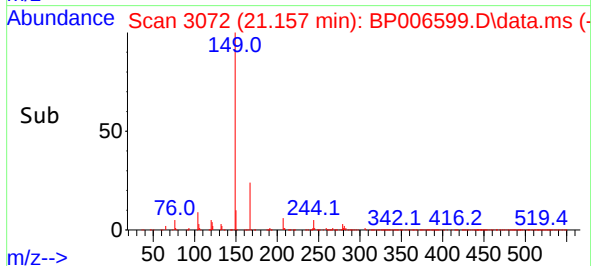
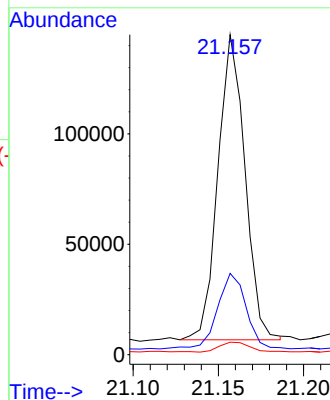
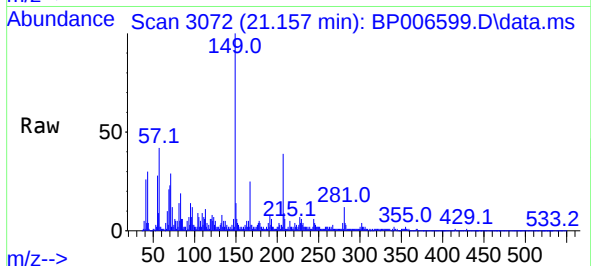
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.508 ng/ul  
RT: 21.157 min Scan# 3072  
Delta R.T. -0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

Tgt Ion:149 Resp: 152139  
Ion Ratio Lower Upper  
149 100  
167 25.4 19.6 29.4  
279 3.9 3.0 4.4

Instrument :  
BNA\_P  
ClientSampled :  
C00A8

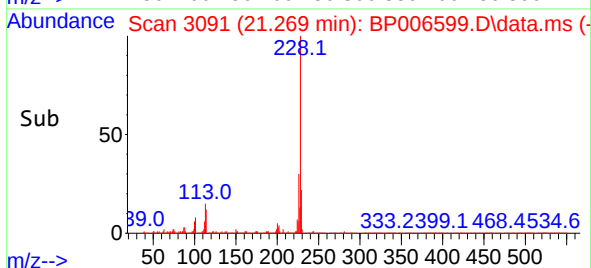
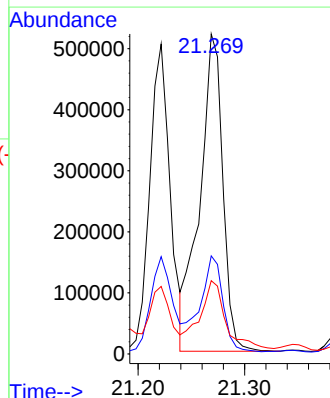
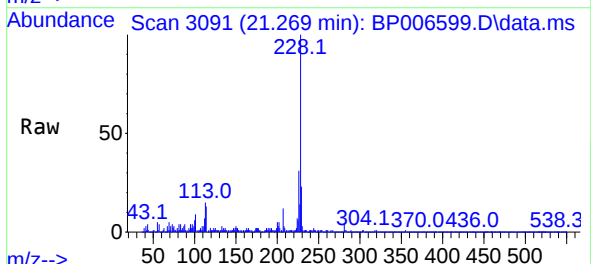
Manual Integrations  
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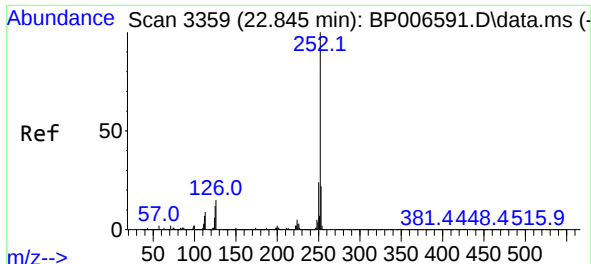
mohammad  
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#87  
Chrysene  
Concen: 12.871 ng/ul  
RT: 21.269 min Scan# 3091  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

Tgt Ion:228 Resp: 784747  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.5 36.7  
229 22.9 15.5 23.3





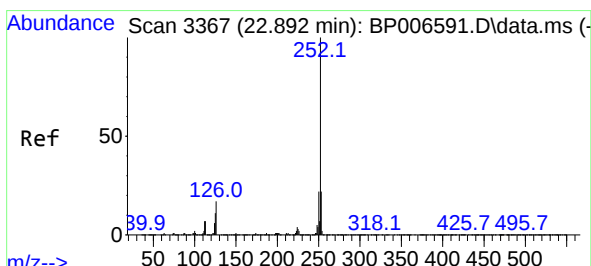
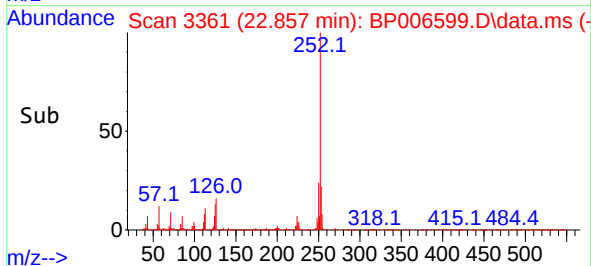
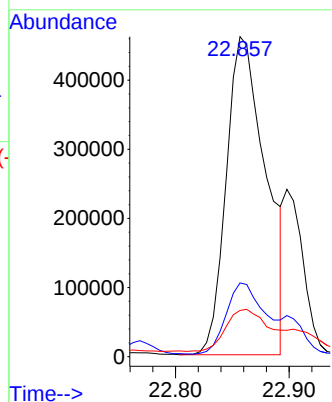
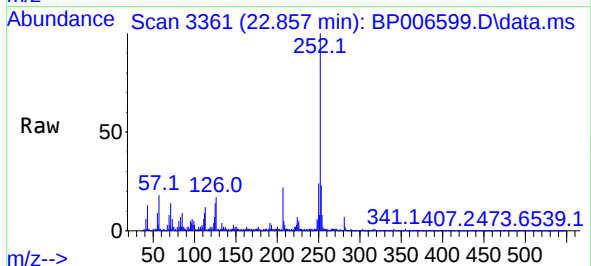
#90  
Benzo(b)fluoranthene  
Concen: 15.941 ng/ul  
RT: 22.857 min Scan# 3361  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

Instrument :  
BNA\_P  
ClientSampled :  
C00A8

Tgt Ion:252 Resp: 1116601  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.2  
125 14.4 10.6 15.8

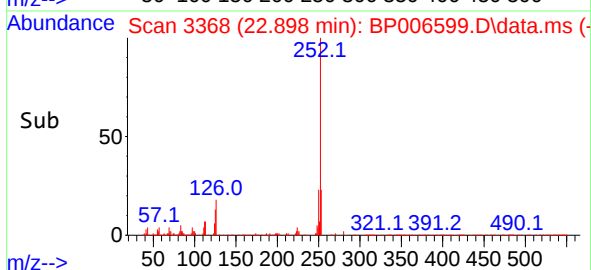
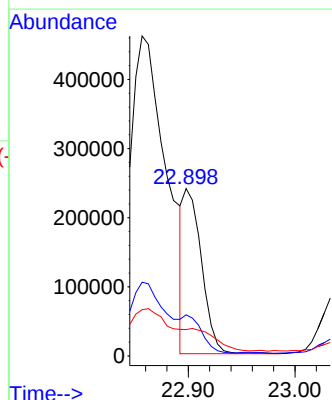
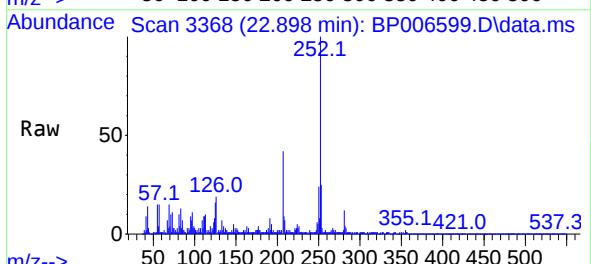
Manual Integrations  
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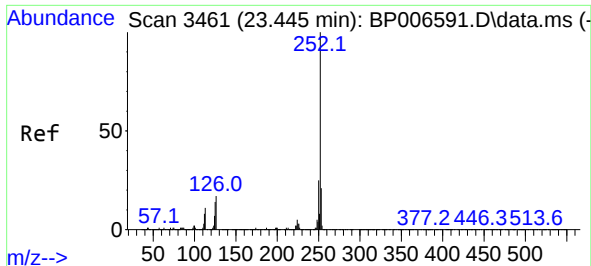
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#91  
Benzo(k)fluoranthene  
Concen: 4.204 ng/ul m  
RT: 22.898 min Scan# 3368  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

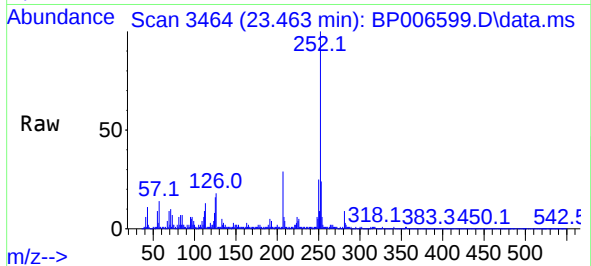
Tgt Ion:252 Resp: 279497  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.7 26.5  
125 15.8 9.6 14.4#





#93  
Benzo(a)pyrene  
Concen: 10.771 ng/ul  
RT: 23.463 min Scan# 3464  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

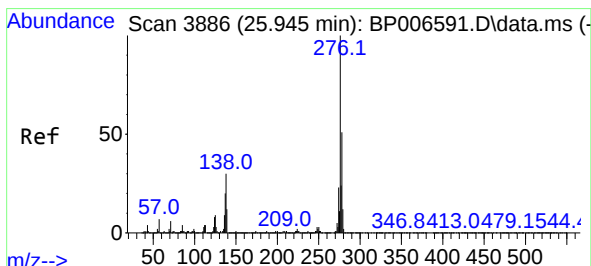
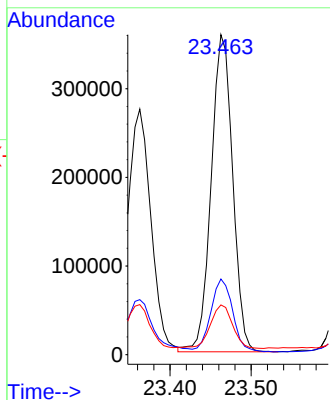
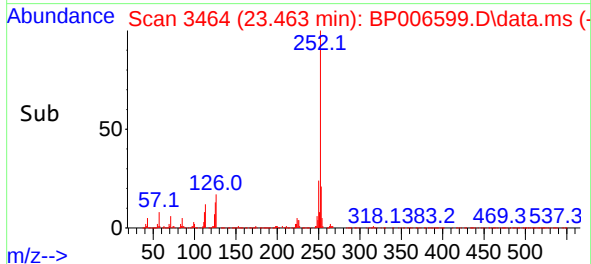
Instrument :  
BNA\_P  
ClientSampled :  
C00A8



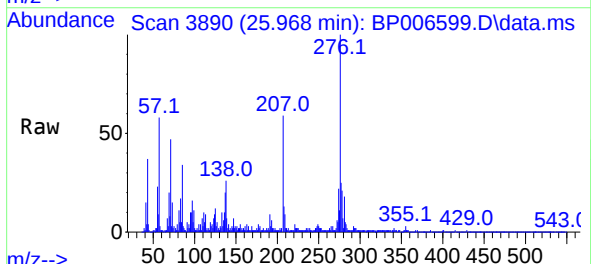
Tgt Ion:252 Resp: 659445  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.5 26.3  
125 15.5 11.6 17.4

Manual Integrations  
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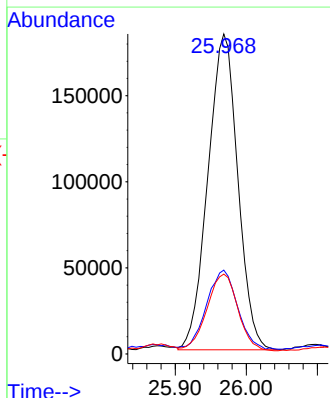
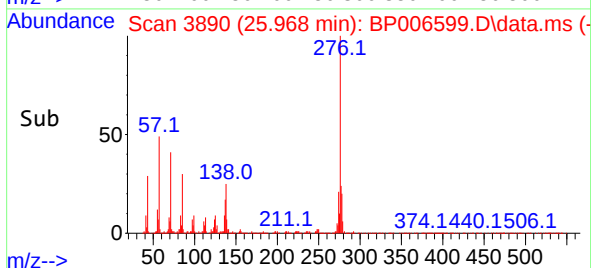
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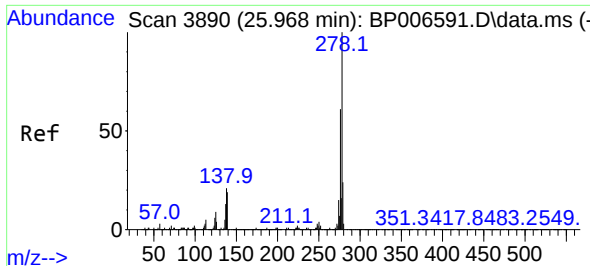


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 6.838 ng/ul  
RT: 25.968 min Scan# 3890  
Delta R.T. 0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16



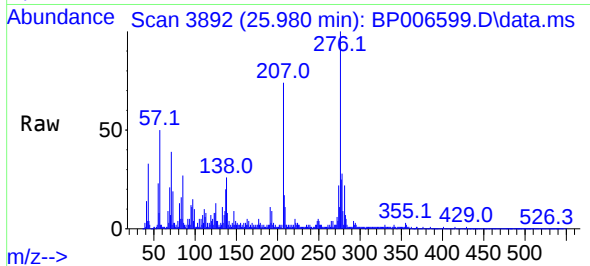
Tgt Ion:276 Resp: 535888  
Ion Ratio Lower Upper  
276 100  
138 26.2 22.9 34.3  
277 25.0 20.0 30.0





#95  
Dibenzo(a,h)anthracene  
Concen: 2.085 ng/ul  
RT: 25.980 min Scan# 3892  
Delta R.T. -0.006 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16

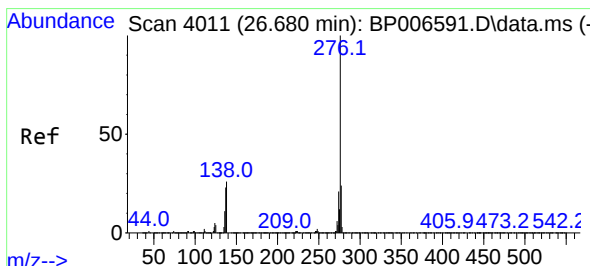
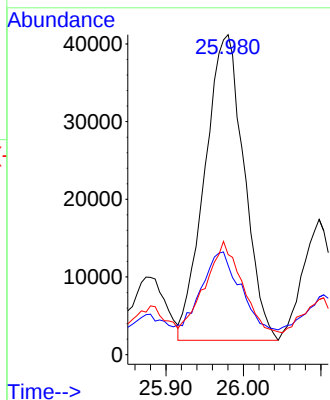
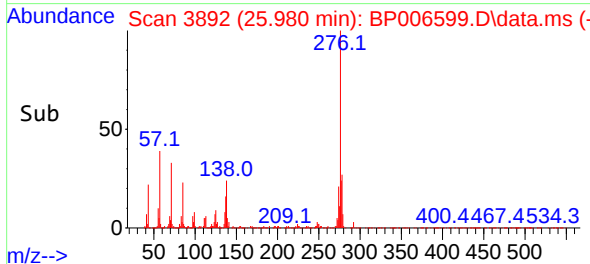
Instrument :  
BNA\_P  
ClientSampled :  
C00A8



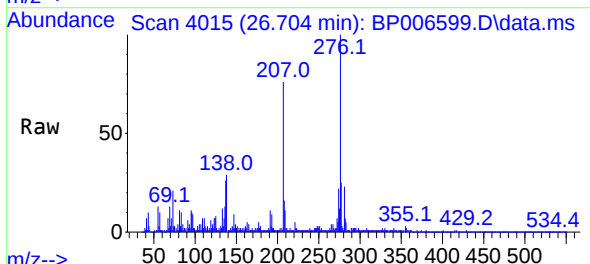
Tgt Ion:278 Resp: 138406  
Ion Ratio Lower Upper  
278 100  
139 27.9 15.1 22.7#  
279 31.3 19.0 28.6#

Manual Integrations  
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#96  
Benzo(g,h,i)perylene  
Concen: 7.074 ng/ul  
RT: 26.704 min Scan# 4015  
Delta R.T. -0.000 min  
Lab File: BP006599.D  
Acq: 08 Aug 2021 10:16



Tgt Ion:276 Resp: 458093  
Ion Ratio Lower Upper  
276 100  
138 28.7 20.4 30.6  
277 25.3 18.6 27.8

