

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080921\  
 Data File : BP006609.D  
 Acq On : 09 Aug 2021 12:07  
 Operator : CG/JU  
 Sample : M3169-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C00A4

Manual Integrations  
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 8/11/2021 9:23:49 PM

Quant Time: Aug 09 13:20:36 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 07 13:59:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.752  | 152  | 204894   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.534 | 136  | 941291   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.381 | 164  | 532404   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.139 | 188  | 1033767  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.239 | 240  | 936462   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.574 | 264  | 983350   | 20.000 | ng/ul  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 26006    | 4.738  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 215302   | 13.213 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.928  | 99   | 467431   | 24.290 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.093  | 67   | 313227   | 26.160 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.281  | 132  | 381307   | 26.671 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.463  | 113  | 326039   | 21.545 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.904  | 128  | 195341   | 27.871 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.622  | 143  | 204552   | 30.566 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.157 | 165  | 314920   | 24.014 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.681 | 131  | 352065   | 16.307 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.804 | 166  | 981181   | 25.894 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.075 | 160  | 1264937  | 27.171 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.598 | 143  | 125913   | 16.735 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.381 | 176  | 823617   | 25.855 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 79958    | 13.874 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.239 | 188  | 1305570  | 27.977 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.486 | 212  | 1514729  | 31.448 | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 23.421 | 264  | 1473807  | 29.493 | ng/ul  | 0.01     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        | Qvalue   |
| 30) Naphthalene               | 10.581 | 128  | 109026   | 2.232  | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.198 | 142  | 63532    | 1.899  | ng/ul  | 94       |
| 37) 1-Methylnaphthalene       | 12.416 | 142  | 39012    | 1.158  | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.104 | 152  | 182545   | 4.027  | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.786 | 168  | 62786    | 1.407  | ng/ul  | 100      |
| 61) Fluorene                  | 15.434 | 166  | 68058    | 1.855  | ng/ul# | 95       |
| 72) Phenanthrene              | 17.180 | 178  | 1352323  | 24.362 | ng/ul  | 100      |
| 74) Anthracene                | 17.275 | 178  | 312803   | 5.557  | ng/ul  | 99       |
| 77) Carbazole                 | 17.551 | 167  | 106528   | 2.069  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.157 | 202  | 2515000  | 42.375 | ng/ul  | 99       |
| 82) Pyrene                    | 19.510 | 202  | 2098256  | 34.070 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.227 | 228  | 1080660  | 18.623 | ng/ul  | 96       |
| 87) Chrysene                  | 21.274 | 228  | 1063780  | 19.125 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 22.868 | 252  | 1390957  | 22.270 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.904 | 252  | 548920m  | 9.260  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.468 | 252  | 1030400  | 18.873 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.980 | 276  | 753607   | 10.783 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 25.992 | 278  | 187021   | 3.160  | ng/ul  | 93       |
| 96) Benzo(g,h,i)perylene      | 26.715 | 276  | 632199   | 10.949 | ng/ul  | 98       |
| -----                         |        |      |          |        |        |          |

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

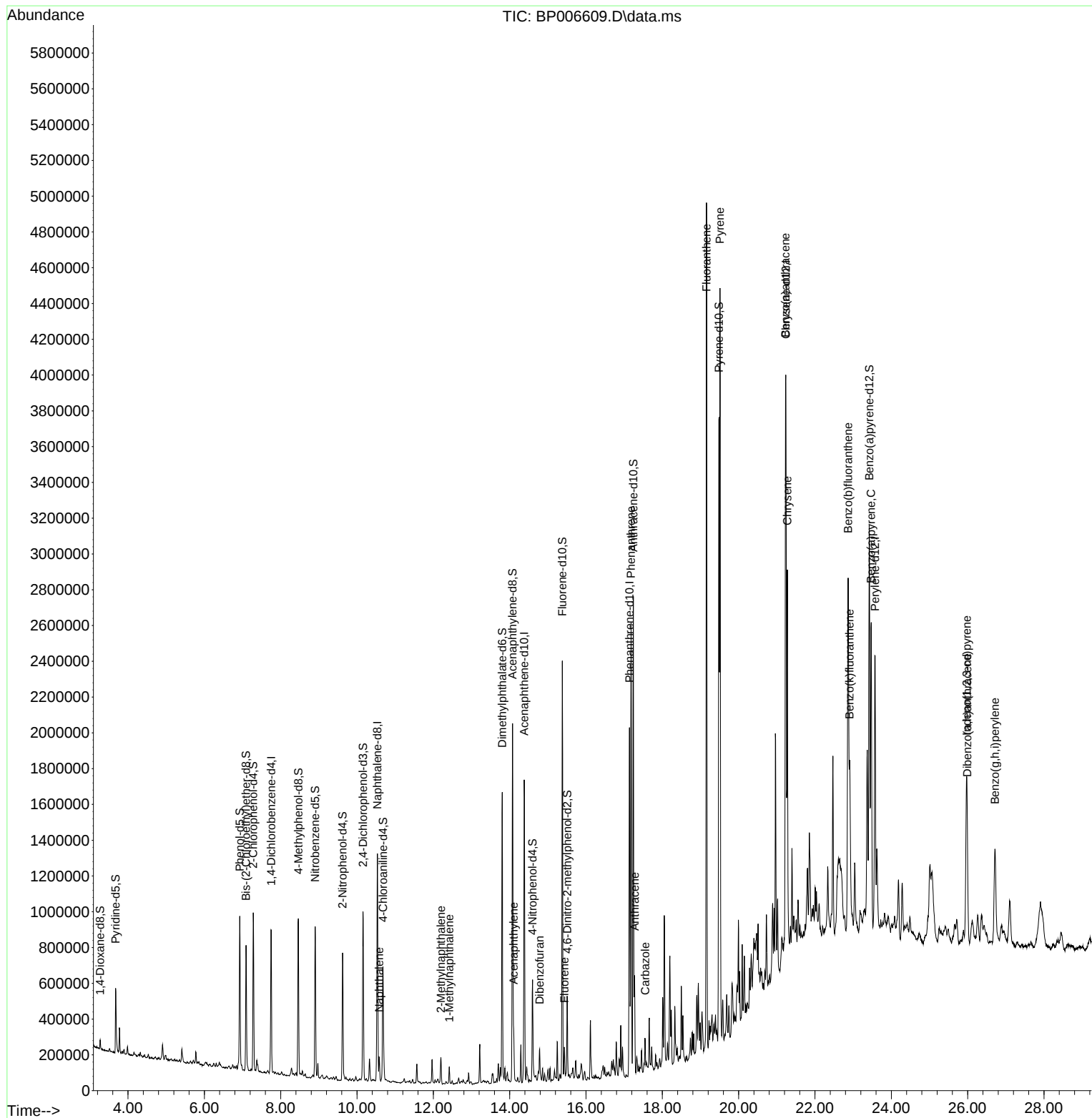
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080921\  
Data File : BP006609.D  
Acq On : 09 Aug 2021 12:07  
Operator : CG/JU  
Sample : M3169-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

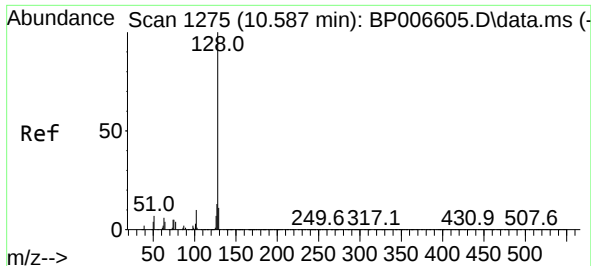
Instrument :  
BNA\_P  
ClientSampleId :  
C00A4

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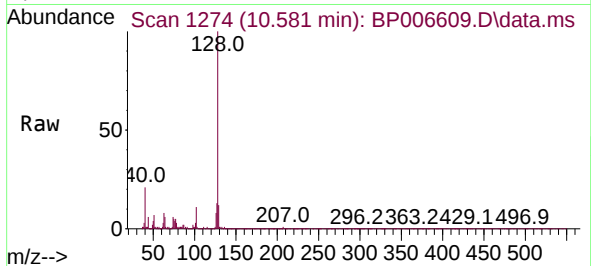
Quant Time: Aug 09 13:20:36 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Aug 07 13:59:25 2021  
Response via : Initial Calibration





#30  
Naphthalene  
Concen: 2.232 ng/ul  
RT: 10.581 min Scan# 1274  
Delta R.T. -0.000 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

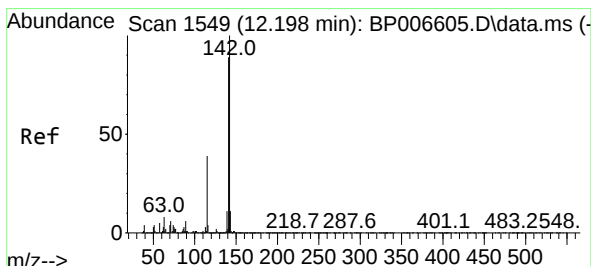
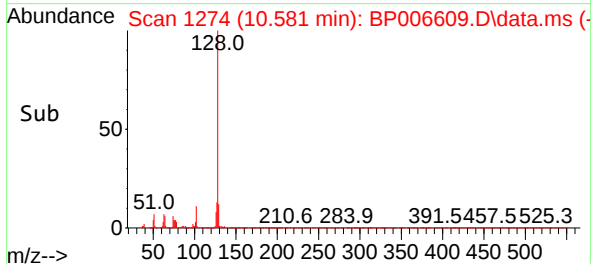
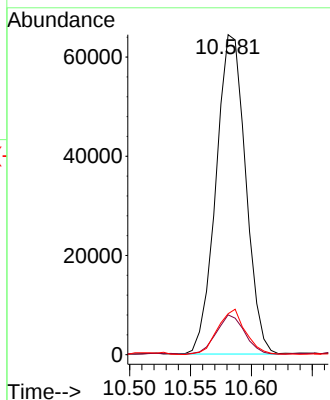
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



Tgt Ion:128 Resp: 109026  
Ion Ratio Lower Upper  
128 100  
129 12.4 8.6 13.0  
127 12.8 10.6 15.8

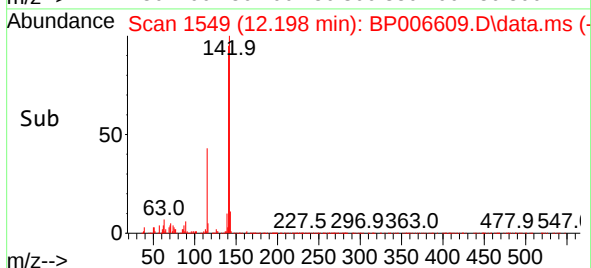
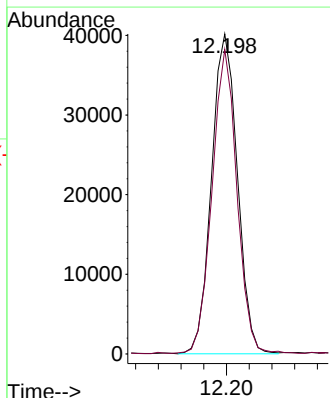
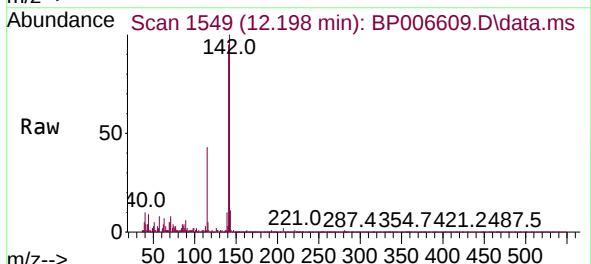
Manual Integrations  
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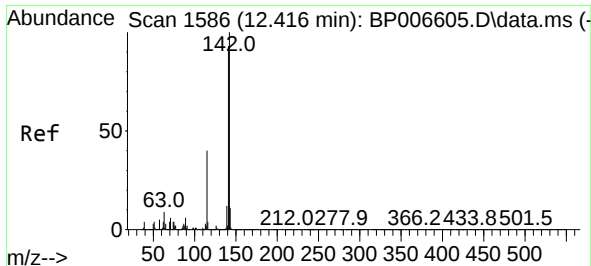
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#36  
2-Methylnaphthalene  
Concen: 1.899 ng/ul  
RT: 12.198 min Scan# 1549  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

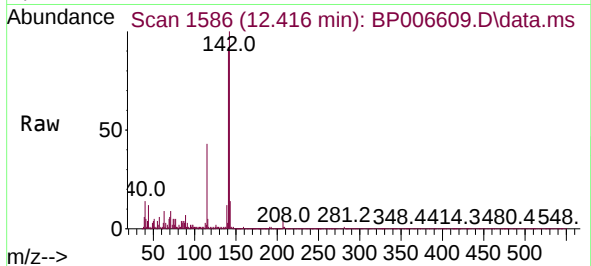
Tgt Ion:142 Resp: 63532  
Ion Ratio Lower Upper  
142 100  
141 95.1 71.5 107.3





#37  
1-Methylnaphthalene  
Concen: 1.158 ng/ul  
RT: 12.416 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

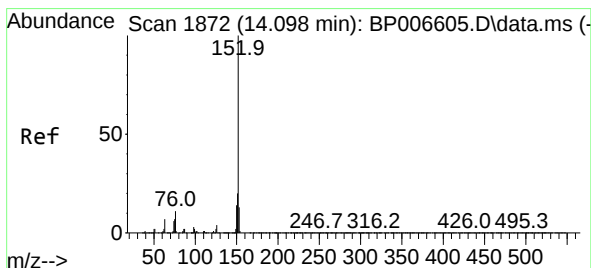
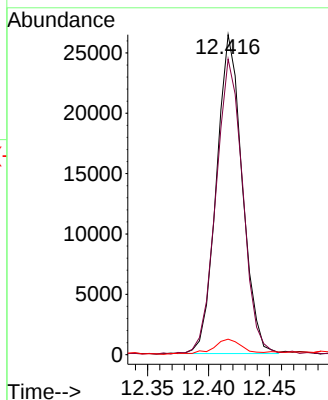
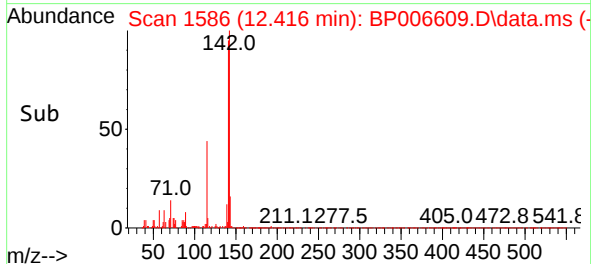
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



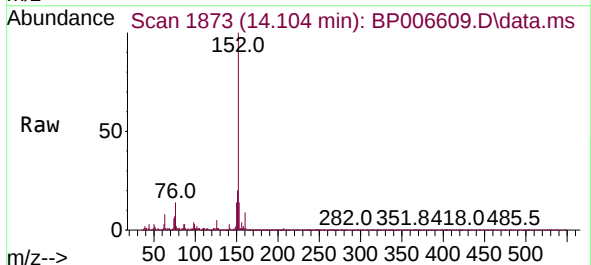
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Ion Ratio Lower Upper  
142 100  
141 92.4 74.4 111.6  
116 4.9 3.3 4.9

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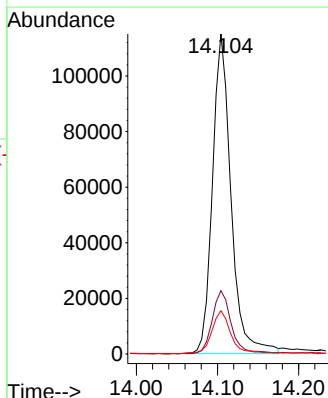
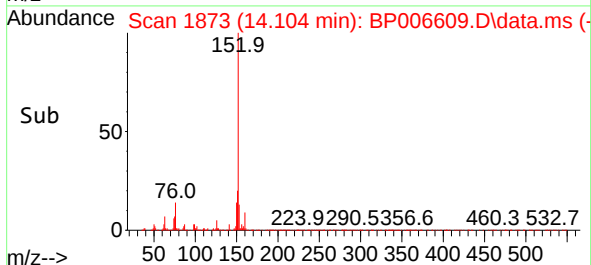
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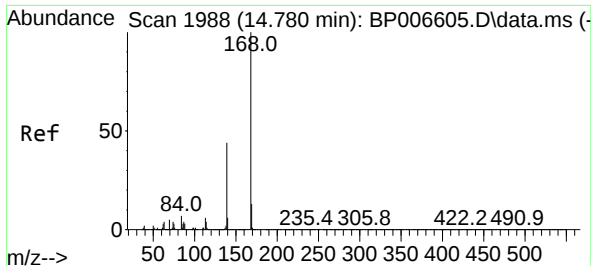


#50  
Acenaphthylene  
Concen: 4.027 ng/ul  
RT: 14.104 min Scan# 1873  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07



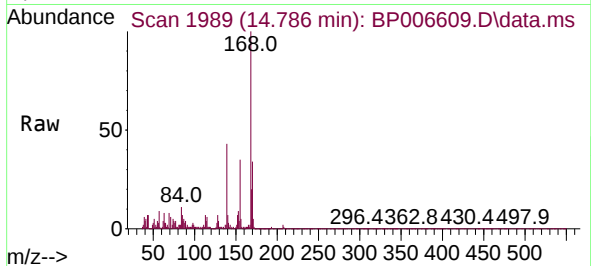
Tgt Ion:152 Resp: 182545  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.0 24.0  
153 13.5 10.3 15.5





#56  
Dibenzofuran  
Concen: 1.407 ng/ul  
RT: 14.786 min Scan# 1989  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

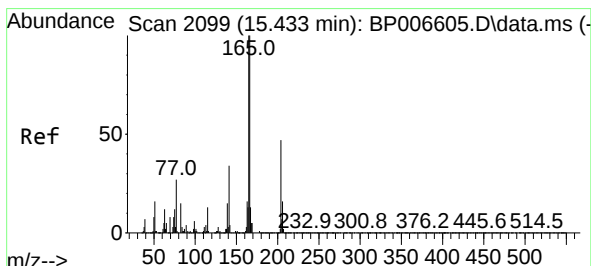
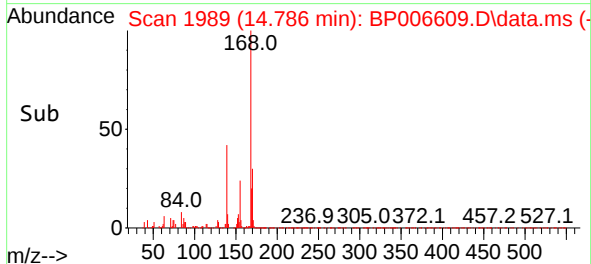
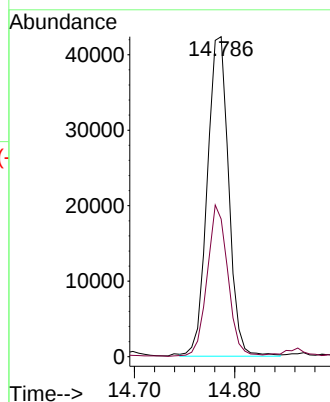
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



Tgt Ion:168 Resp: 62786  
Ion Ratio Lower Upper  
168 100  
139 43.0 34.6 52.0

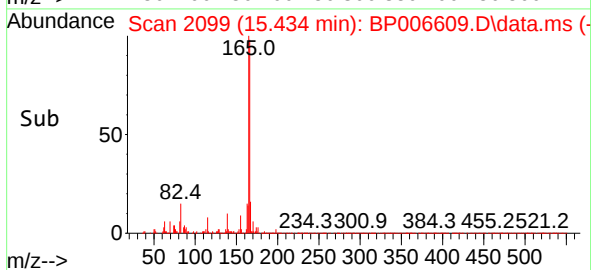
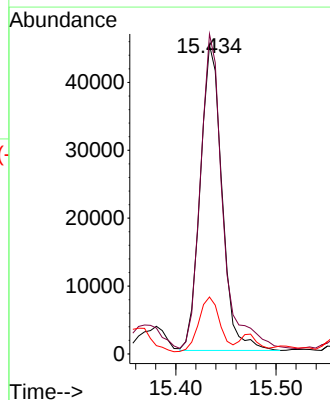
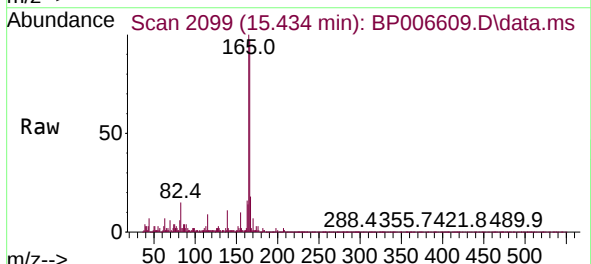
Manual Integrations  
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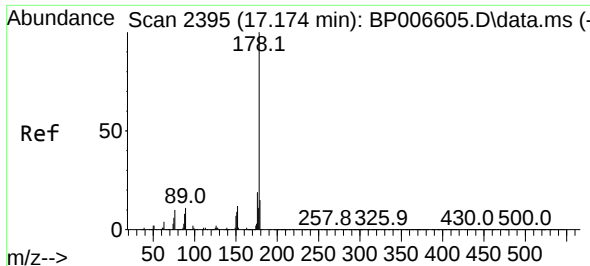
mohammad  
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#61  
Fluorene  
Concen: 1.855 ng/ul  
RT: 15.434 min Scan# 2099  
Delta R.T. -0.000 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

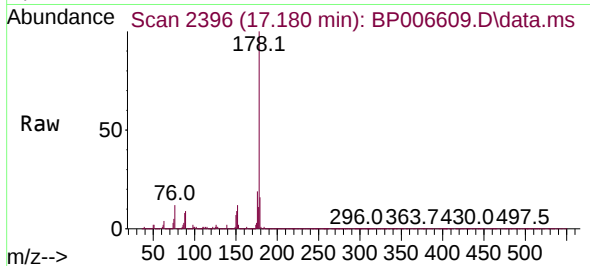
Tgt Ion:166 Resp: 68058  
Ion Ratio Lower Upper  
166 100  
165 103.5 79.4 119.2  
167 18.4 10.6 16.0#





#72  
Phenanthrene  
Concen: 24.362 ng/ul  
RT: 17.180 min Scan# 2396  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

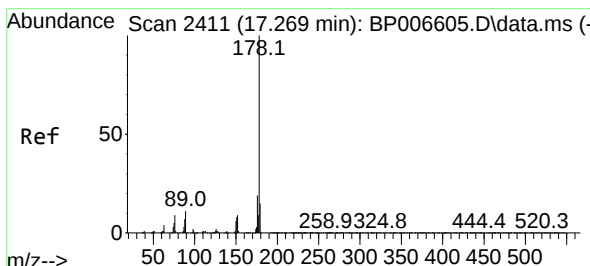
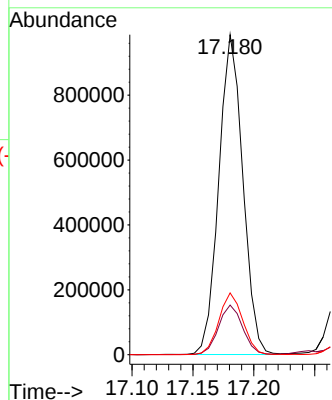
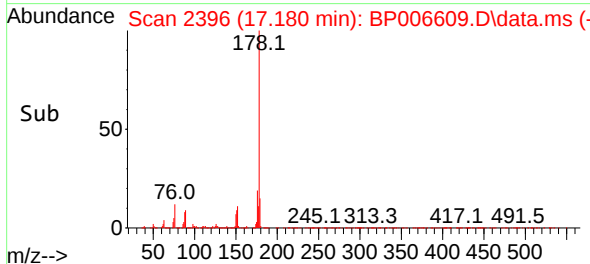
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



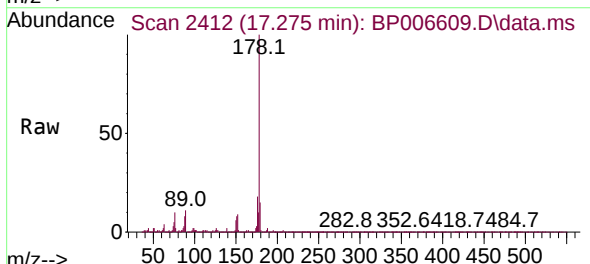
Tgt Ion:178 Resp: 1352323  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.4 18.6  
176 19.3 15.2 22.8

Manual Integrations  
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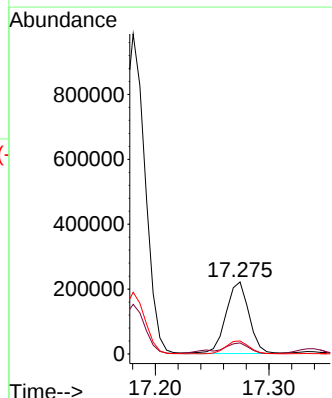
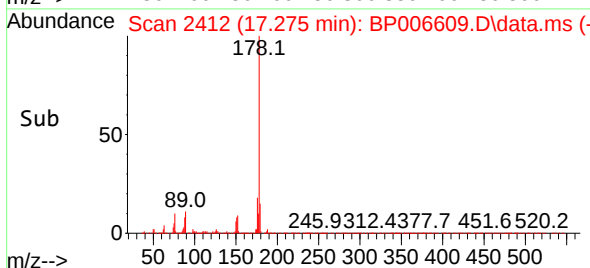
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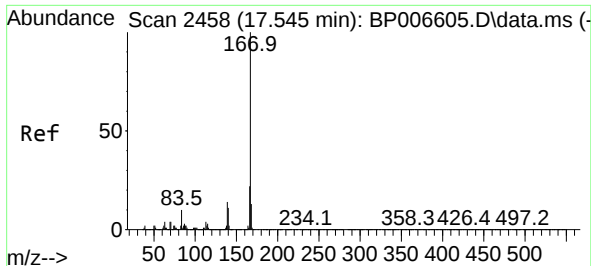


#74  
Anthracene  
Concen: 5.557 ng/ul  
RT: 17.275 min Scan# 2412  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07



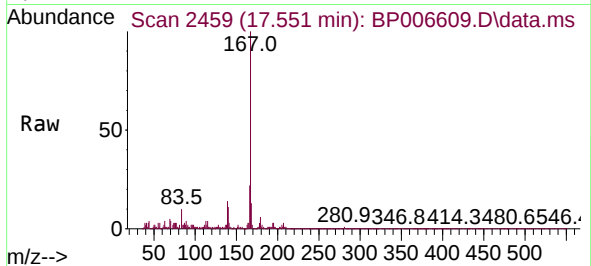
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Ion Ratio Lower Upper  
178 100  
179 15.2 12.0 18.0  
176 18.0 14.7 22.1





#77  
Carbazole  
Concen: 2.069 ng/ul  
RT: 17.551 min Scan# 2459  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

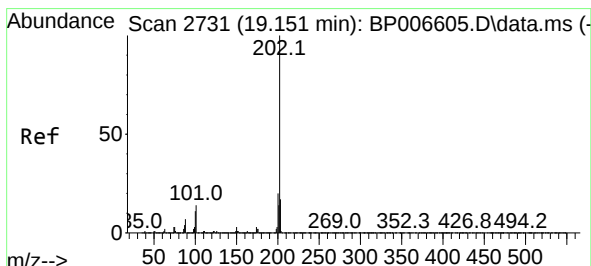
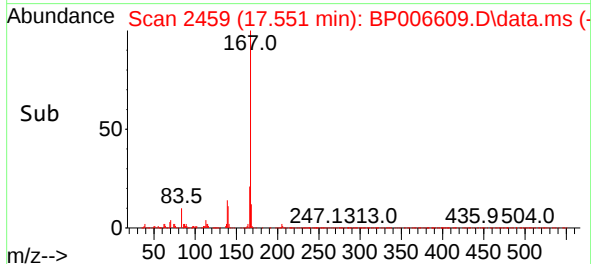
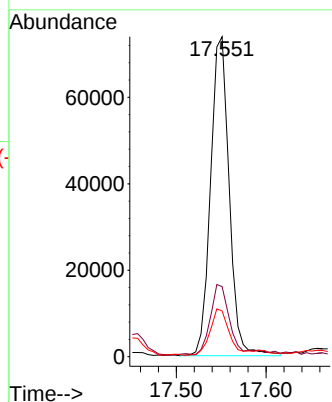
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



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Ion Ratio Lower Upper  
167 100  
166 21.9 17.7 26.5  
139 14.3 11.7 17.5

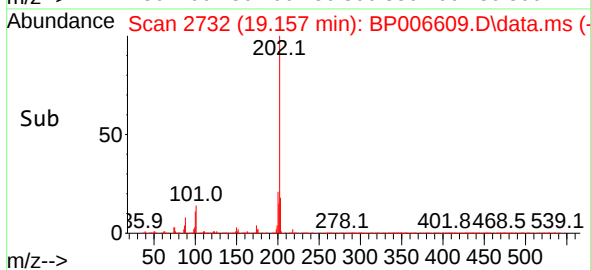
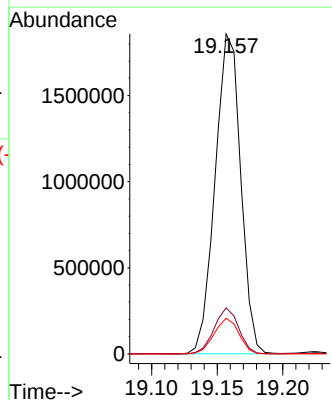
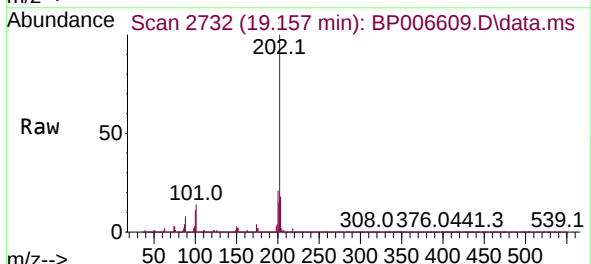
Manual Integrations  
APPROVED

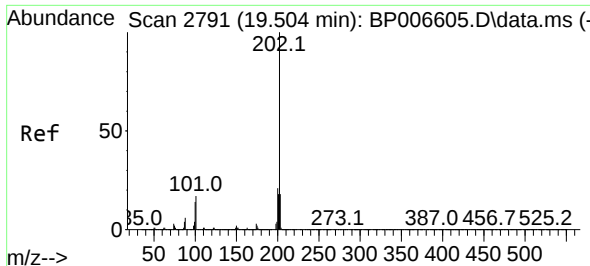
mohammad  
8/11/2021 9:23:49 PM



#80  
Fluoranthene  
Concen: 42.375 ng/ul  
RT: 19.157 min Scan# 2732  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

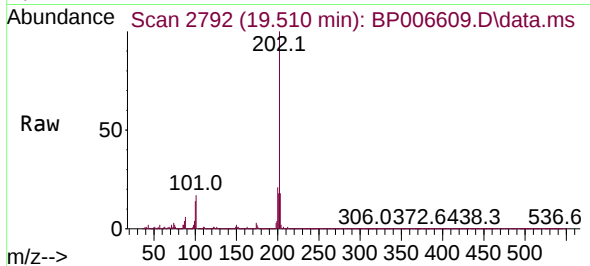
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Ion Ratio Lower Upper  
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101 14.4 11.2 16.8  
100 11.1 8.7 13.1





#82  
Pyrene  
Concen: 34.070 ng/ul  
RT: 19.510 min Scan# 2792  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

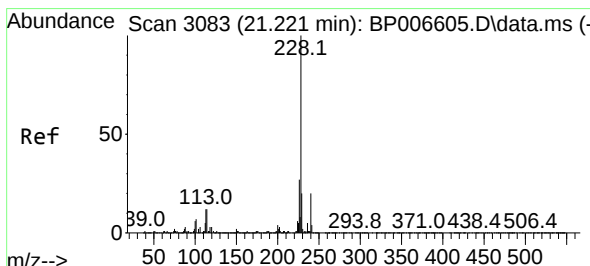
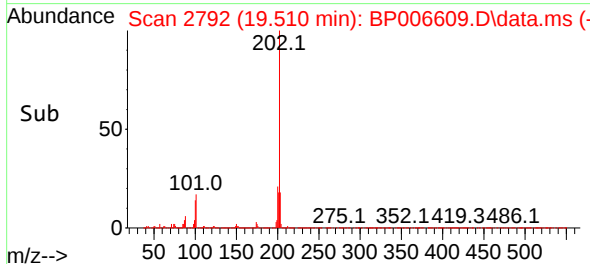
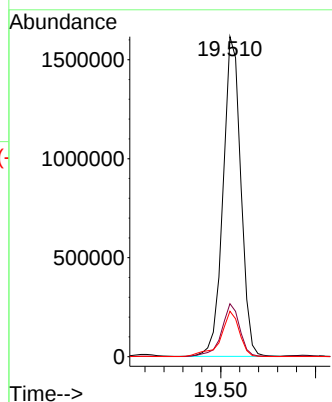
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



Tgt Ion:202 Resp: 2098256  
Ion Ratio Lower Upper  
202 100  
101 16.6 13.0 19.6  
100 14.2 11.4 17.0

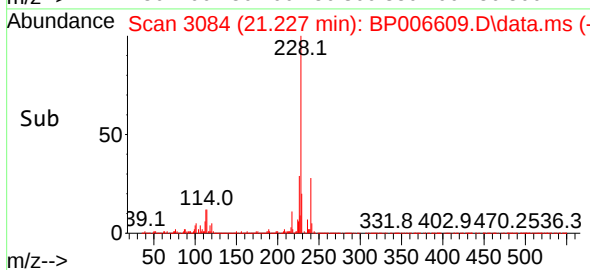
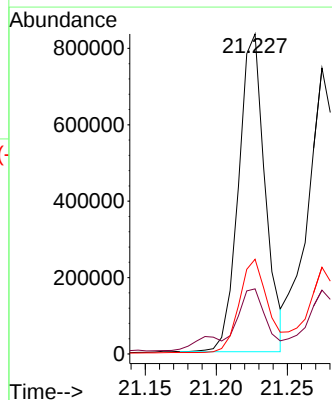
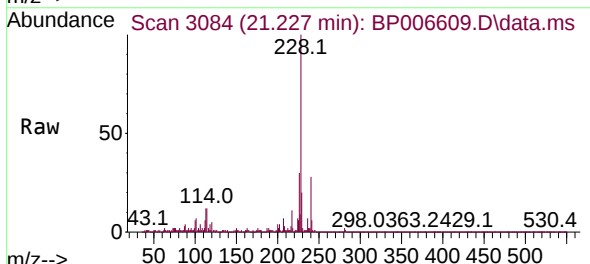
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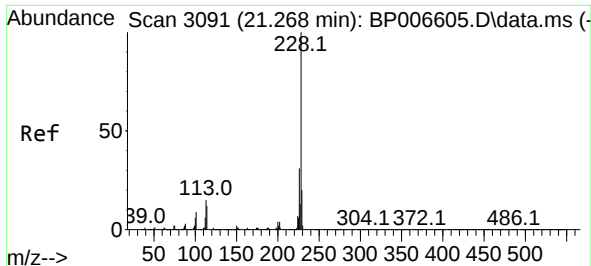
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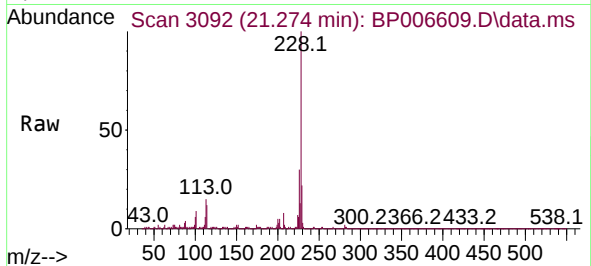
#85  
Benzo(a)anthracene  
Concen: 18.623 ng/ul  
RT: 21.227 min Scan# 3084  
Delta R.T. 0.012 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

Tgt Ion:228 Resp: 1080660  
Ion Ratio Lower Upper  
228 100  
229 20.4 15.6 23.4  
226 29.6 21.2 31.8

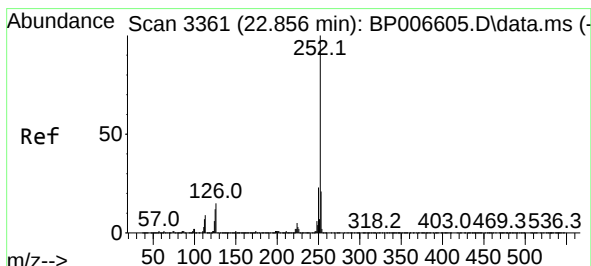
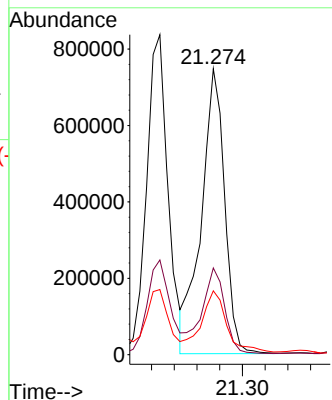
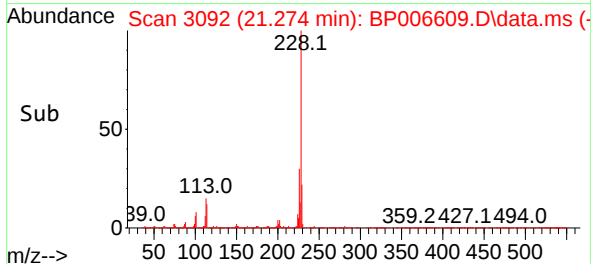




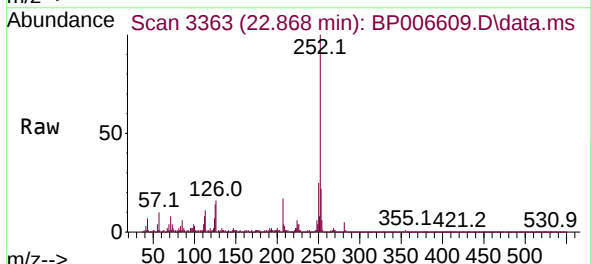
#87  
Chrysene  
Concen: 19.125 ng/ul  
RT: 21.274 min Scan# 3092  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07



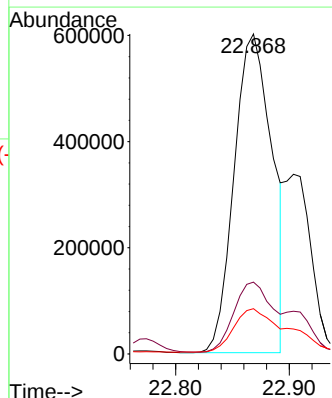
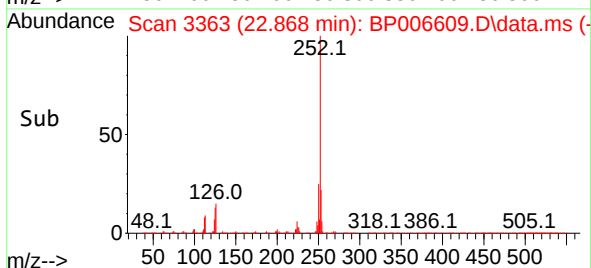
Tgt Ion:228 Resp: 1063780  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.5 36.7  
229 22.3 15.5 23.3



#90  
Benzo(b)fluoranthene  
Concen: 22.270 ng/ul  
RT: 22.868 min Scan# 3363  
Delta R.T. 0.017 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07



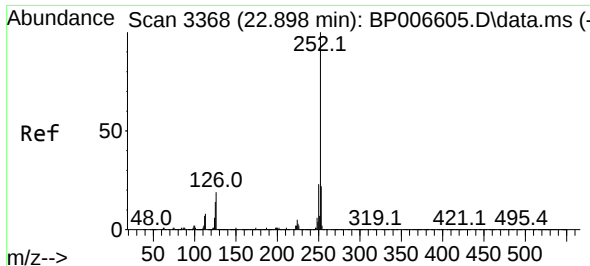
Tgt Ion:252 Resp: 1390957  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.4 26.2  
125 14.2 10.6 15.8



Instrument :  
BNA\_P  
ClientSampled :  
C00A4

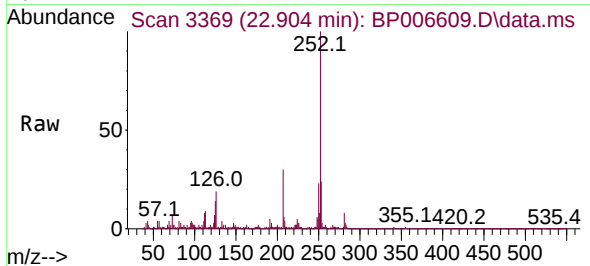
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#91  
Benzo(k)fluoranthene  
Concen: 9.260 ng/ul m  
RT: 22.904 min Scan# 3369  
Delta R.T. 0.006 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07

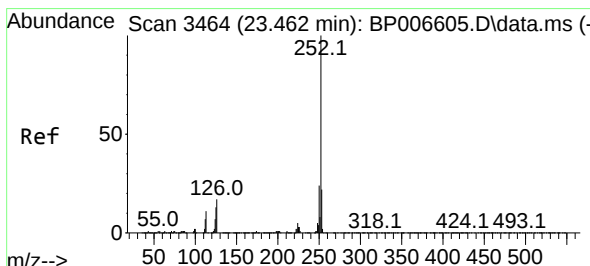
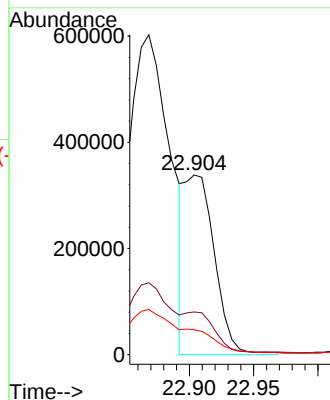
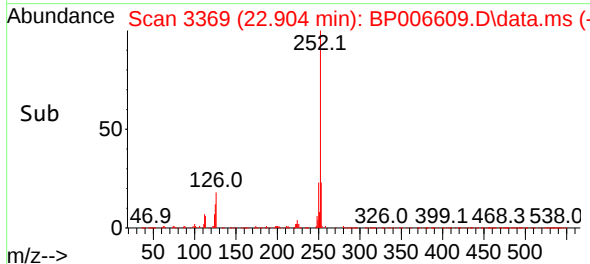
Instrument :  
BNA\_P  
ClientSampled :  
C00A4



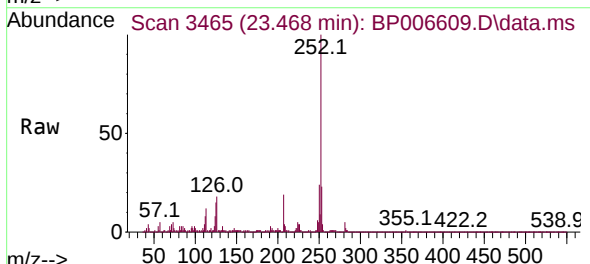
Tgt Ion:252 Resp: 548920  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.7 26.5  
125 13.9 9.6 14.4

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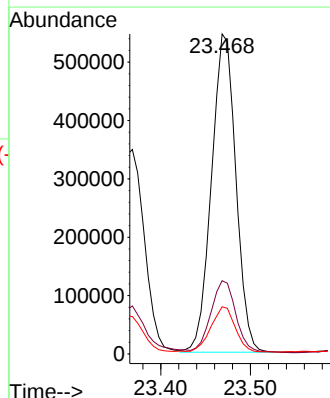
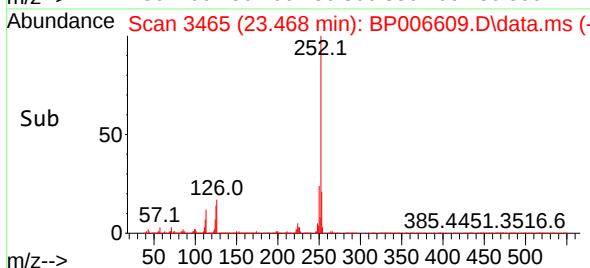
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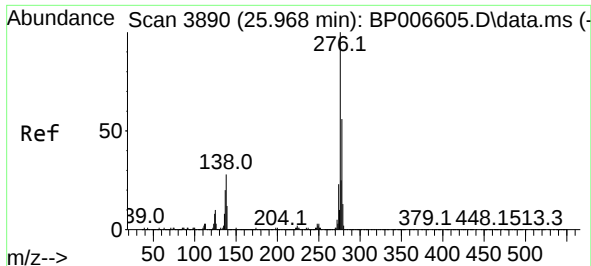


#93  
Benzo(a)pyrene  
Concen: 18.873 ng/ul  
RT: 23.468 min Scan# 3465  
Delta R.T. 0.012 min  
Lab File: BP006609.D  
Acq: 09 Aug 2021 12:07



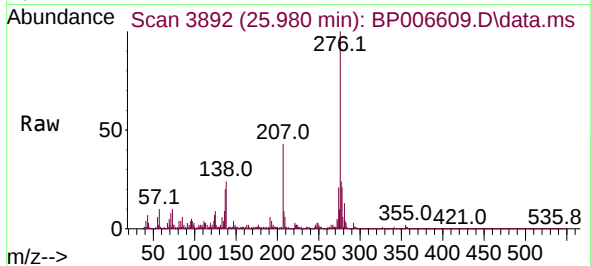
Tgt Ion:252 Resp: 1030400  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.5 26.3  
125 14.7 11.6 17.4





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 10.783 ng/ul  
 RT: 25.980 min Scan# 3892  
 Delta R.T. 0.017 min  
 Lab File: BP006609.D  
 Acq: 09 Aug 2021 12:07

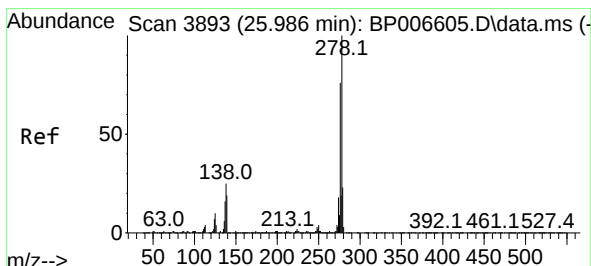
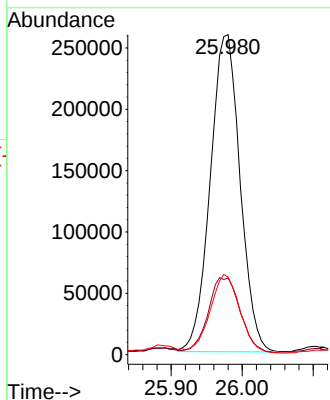
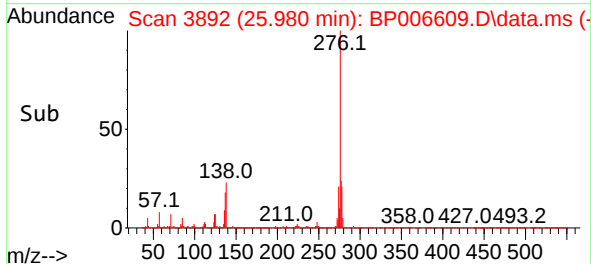
Instrument :  
 BNA\_P  
 ClientSampled :  
 C00A4



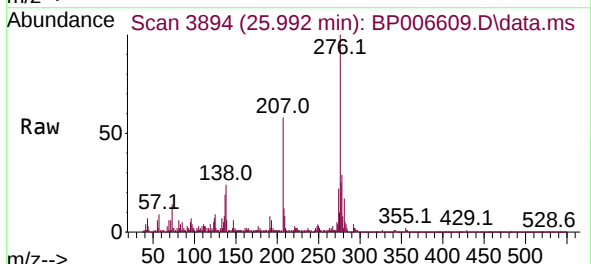
Tgt Ion:276 Resp: 753607  
 Ion Ratio Lower Upper  
 276 100  
 138 24.0 22.9 34.3  
 277 24.2 20.0 30.0

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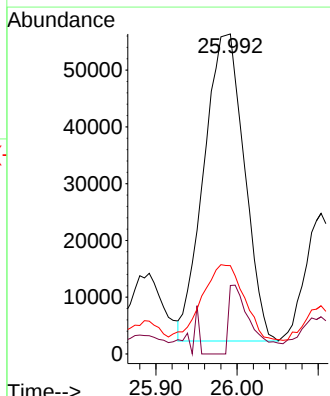
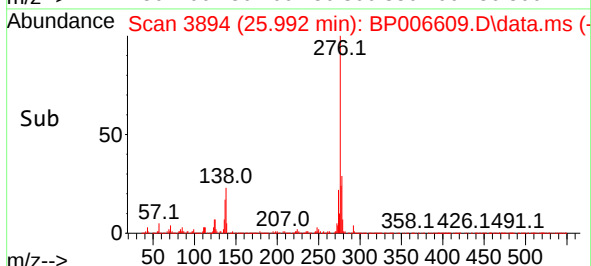
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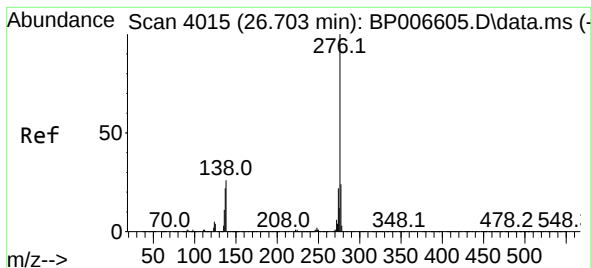


#95  
 Dibenzo(a,h)anthracene  
 Concen: 3.160 ng/ul  
 RT: 25.992 min Scan# 3894  
 Delta R.T. 0.006 min  
 Lab File: BP006609.D  
 Acq: 09 Aug 2021 12:07



Tgt Ion:278 Resp: 187021  
 Ion Ratio Lower Upper  
 278 100  
 139 21.4 15.1 22.7  
 279 27.6 19.0 28.6





#96

Benzo(g,h,i)perylene

Concen: 10.949 ng/ul

RT: 26.715 min Scan# 4017

Delta R.T. 0.012 min

Lab File: BP006609.D

Acq: 09 Aug 2021 12:07

Tgt Ion: 276 Resp: 632199

Ion Ratio Lower Upper

276 100

138 25.8 20.4 30.6

277 24.7 18.6 27.8

Instrument :

BNA\_P

ClientSampleId :

C00A4

Manual Integrations

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