

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101821\  
 Data File : BP007460.D  
 Acq On : 18 Oct 2021 12:58  
 Operator : CG/JU  
 Sample : M4181-19  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0B28

Manual Integrations  
 APPROVED

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 10/19/2021 12:36:30 PM

Quant Time: Oct 18 13:32:41 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP101421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 18 11:26:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.963  | 152  | 167672   | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.763 | 136  | 682879   | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.598 | 164  | 440117   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.351 | 188  | 946801   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.439 | 240  | 989275   | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.898 | 264  | 1058029  | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 14634    | 3.45  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.811  | 84   | 9737     | 0.84  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 7.116  | 99   | 361312   | 27.59 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 209050   | 26.77 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.487  | 132  | 276618   | 26.85 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.663  | 113  | 280821   | 27.84 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.116  | 128  | 134126   | 31.04 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.840  | 143  | 136496   | 33.81 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.381 | 165  | 279253   | 28.36 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.893 | 131  | 360176   | 27.05 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.004 | 166  | 863739   | 28.37 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.287 | 160  | 1044390  | 27.29 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 132746   | 27.17 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.587 | 176  | 743119   | 29.16 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 200  | 92349    | 24.34 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.445 | 188  | 1181991  | 29.40 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.680 | 212  | 1310462  | 26.50 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.739 | 264  | 1408273  | 26.75 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 16) Acetophenone              | 8.781  | 105  | 22041    | 1.43  | ng/ul# | 81       |
| 30) Naphthalene               | 10.816 | 128  | 133783   | 4.03  | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.428 | 142  | 122937   | 5.42  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.646 | 142  | 96043    | 4.18  | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.316 | 152  | 145913   | 3.78  | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.992 | 168  | 48908    | 1.35  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.392 | 178  | 145543   | 3.07  | ng/ul  | 99       |
| 74) Anthracene                | 17.481 | 178  | 144803   | 3.06  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.357 | 202  | 345228   | 5.63  | ng/ul  | 99       |
| 82) Pyrene                    | 19.710 | 202  | 265555   | 4.29  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.422 | 228  | 329903   | 5.43  | ng/ul  | 93       |
| 87) Chrysene                  | 21.474 | 228  | 372915   | 6.33  | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.151 | 252  | 662393   | 10.29 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.192 | 252  | 218460m  | 3.64  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.786 | 252  | 105181   | 1.71  | ng/ul# | 91       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.462 | 276  | 153667   | 2.15  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.474 | 278  | 90836    | 1.49  | ng/ul  | 96       |
| -----                         |        |      |          |       |        |          |

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

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Abundance

TIC: BP007460.D\data.ms

Time-->

6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

500000

0

4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

1,4-Dioxane-d8, S

Bis(2-chlorophenyl)methane-d8, S

2-Chlorophenol-d4, S

1,4-Dichlorobenzene-d4, I

Acetophenone

4-Methylphenol-d8, S

Nitrobenzene-d5, S

2-Nitrophenol-d4, S

2,4-Dichlorophenol-d3, S

Napthalene

4-Chlorophenol-d8, I

2-Methylnaphthalene

1-Methylnaphthalene

Dimethylphthalate-d6, S

Acenaphthylene

Acenaphthylene-d8, S

Acenaphthene-d10, I

4-Nitrophenol-d4, S

Dibenzofuran

4,6-Dinitro-2-methylphenol-d2, S

Fluorene-d10, S

Phenanthrene-d10, S

Phenanthrene

Fluoranthene

Pyrene

Pyrene-d10, S

Chrysene-d12, I

Chrysene

Benzo(a)anthracene

Benzo(a)fluoranthene

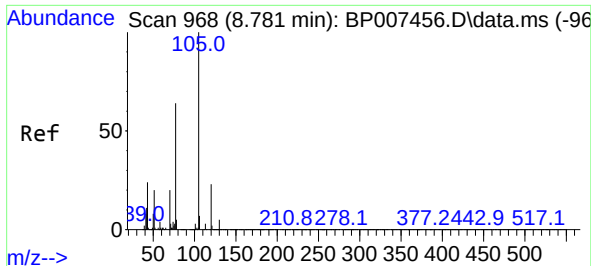
Benzo(a)pyrene

Benzo(a)pyrene-d12, S

Benzo(a)pyrene-C

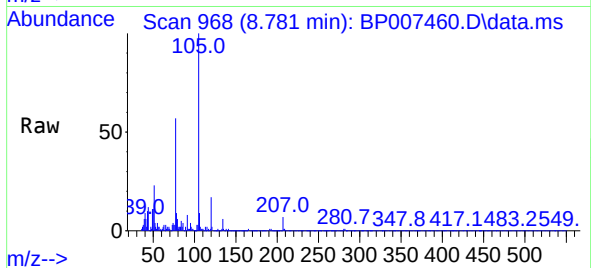
Perylene-d12, I

Dibenz(a,h)anthracene



#16  
Acetophenone  
Concen: 1.43 ng/ul  
RT: 8.781 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

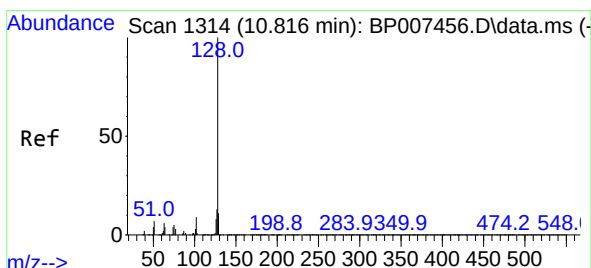
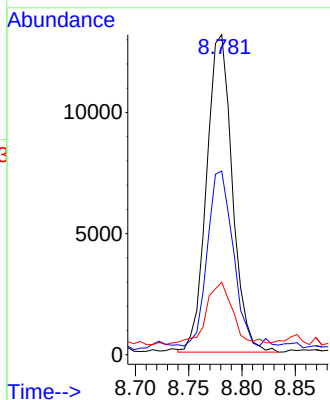
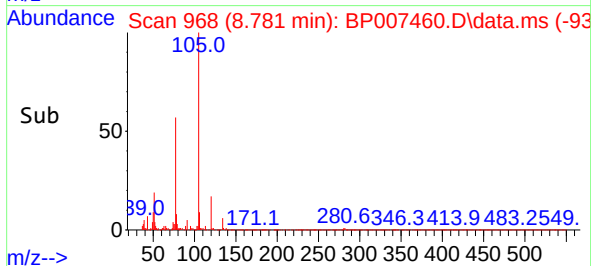
Instrument :  
BNA\_P  
ClientSampleId :  
C0B28



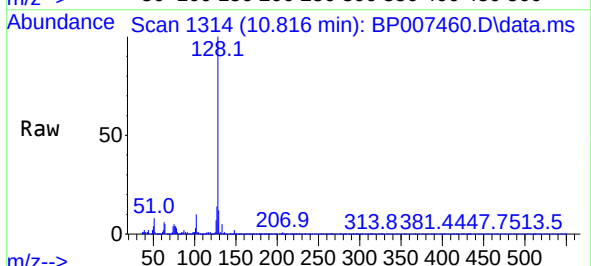
Tgt Ion:105 Resp: 22041  
Ion Ratio Lower Upper  
105 100  
77 57.4 61.8 92.6#  
51 22.6 20.8 31.2

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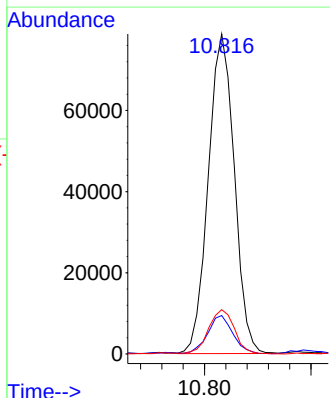
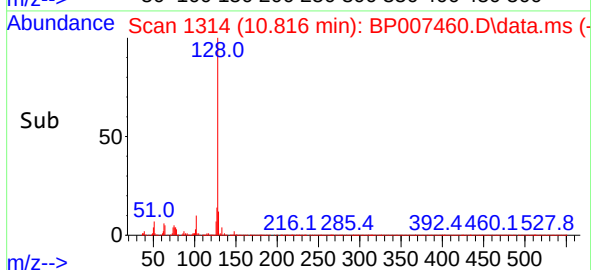
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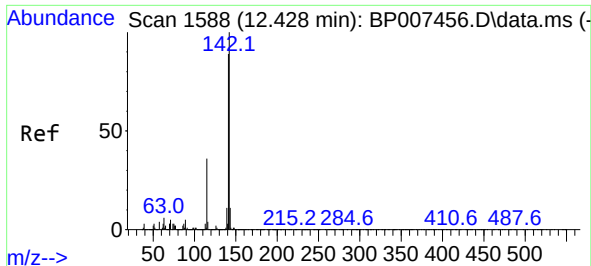


#30  
Naphthalene  
Concen: 4.03 ng/ul  
RT: 10.816 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58



Tgt Ion:128 Resp: 133783  
Ion Ratio Lower Upper  
128 100  
129 12.0 8.8 13.2  
127 13.8 10.5 15.7





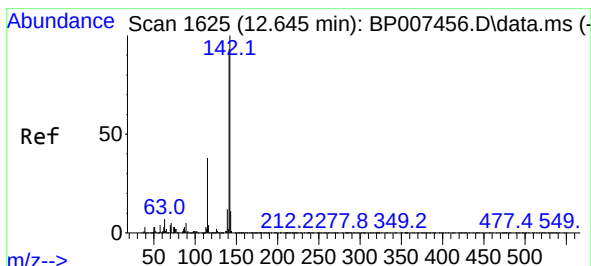
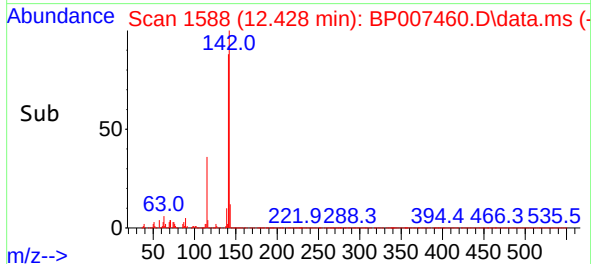
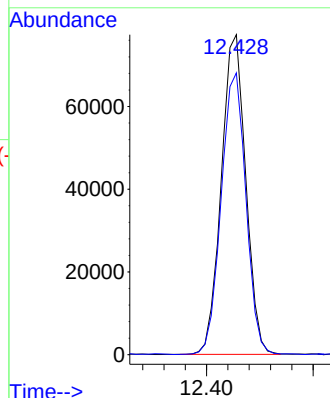
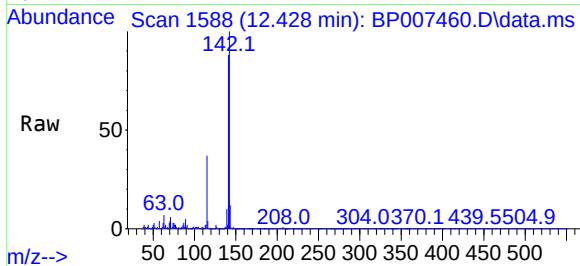
#36  
2-Methylnaphthalene  
Concen: 5.42 ng/ul  
RT: 12.428 min Scan# 1588  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
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Tgt Ion:142 Resp: 122937  
Ion Ratio Lower Upper  
142 100  
141 88.1 71.8 107.6

Instrument :  
BNA\_P  
ClientSampled :  
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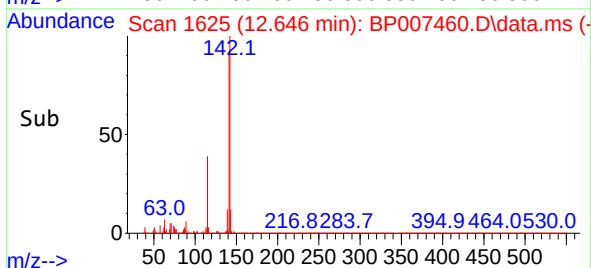
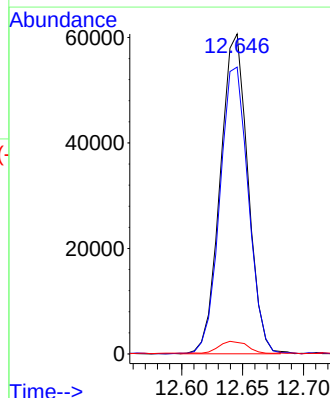
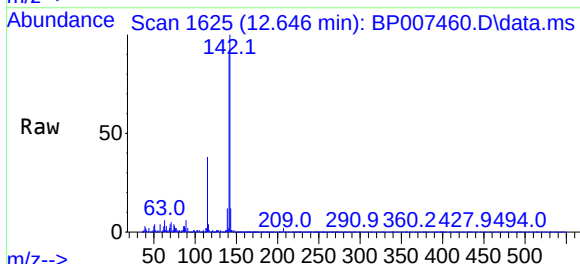
Manual Integrations  
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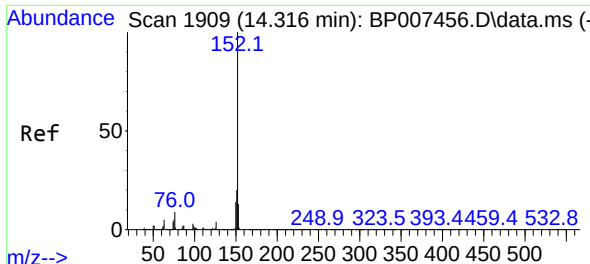
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#37  
1-Methylnaphthalene  
Concen: 4.18 ng/ul  
RT: 12.646 min Scan# 1625  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

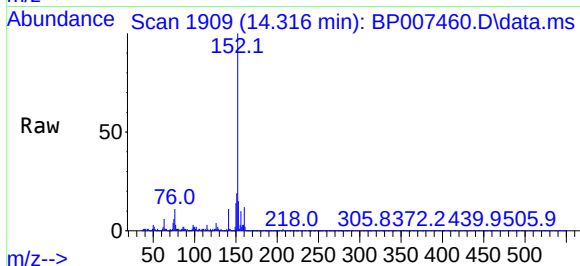
Tgt Ion:142 Resp: 96043  
Ion Ratio Lower Upper  
142 100  
141 89.7 73.5 110.3  
116 3.6 3.1 4.7





#50  
Acenaphthylene  
Concen: 3.78 ng/ul  
RT: 14.316 min Scan# 1909  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

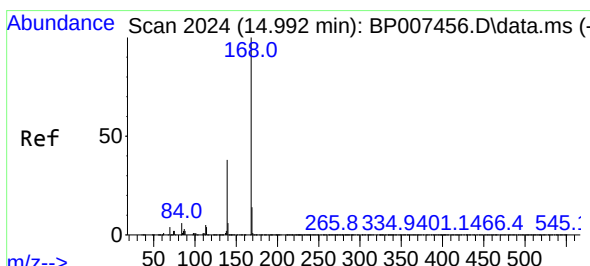
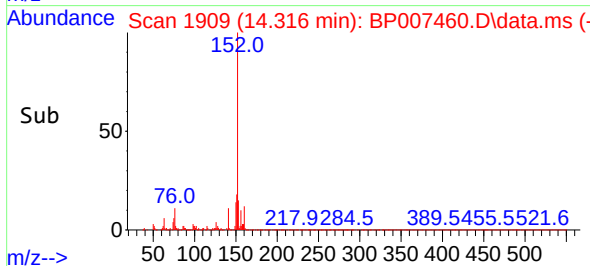
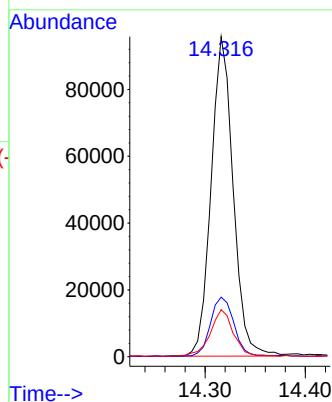
Instrument :  
BNA\_P  
ClientSampleId :  
C0B28



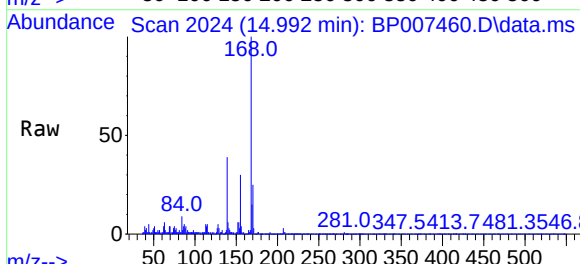
Tgt Ion:152 Resp: 145913  
Ion Ratio Lower Upper  
152 100  
151 18.6 15.8 23.8  
153 14.7 10.6 15.8

Manual Integrations  
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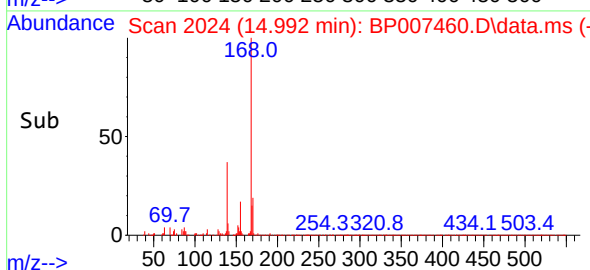
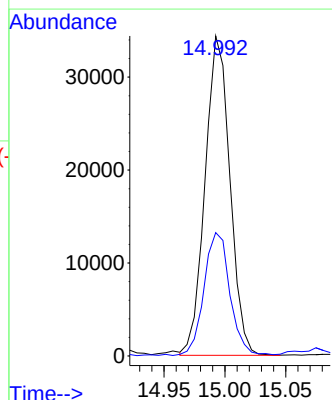
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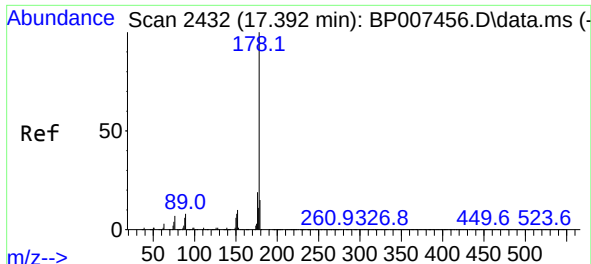


#56  
Dibenzofuran  
Concen: 1.35 ng/ul  
RT: 14.992 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58



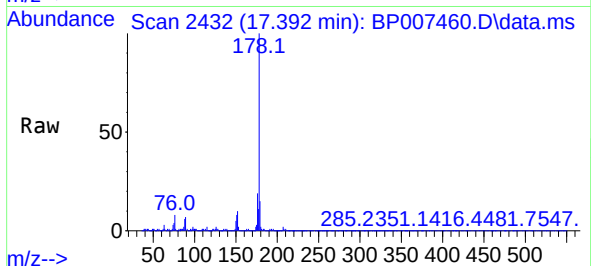
Tgt Ion:168 Resp: 48908  
Ion Ratio Lower Upper  
168 100  
139 38.6 30.1 45.1





#72  
Phenanthrene  
Concen: 3.07 ng/ul  
RT: 17.392 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

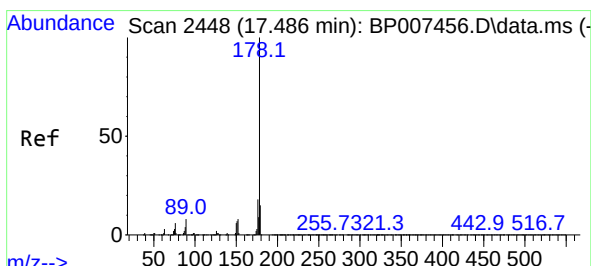
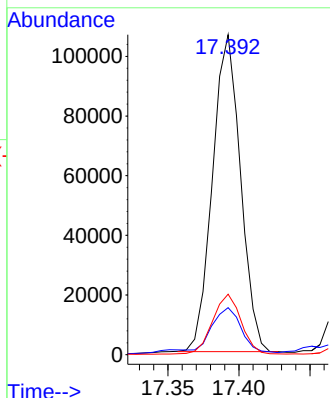
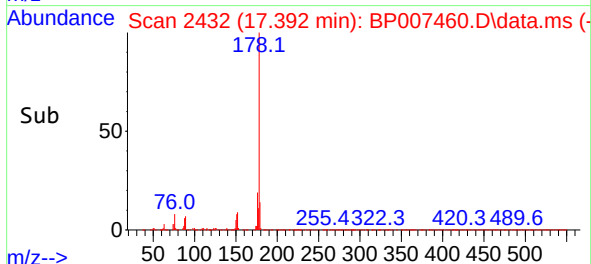
Instrument :  
BNA\_P  
ClientSampled :  
C0B28



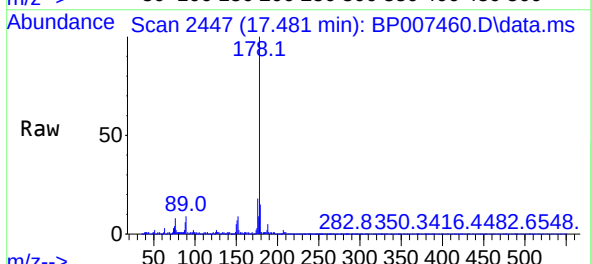
Tgt Ion:178 Resp: 145543  
Ion Ratio Lower Upper  
178 100  
179 14.7 12.1 18.1  
176 18.9 15.2 22.8

Manual Integrations  
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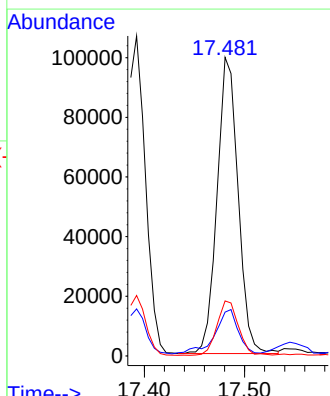
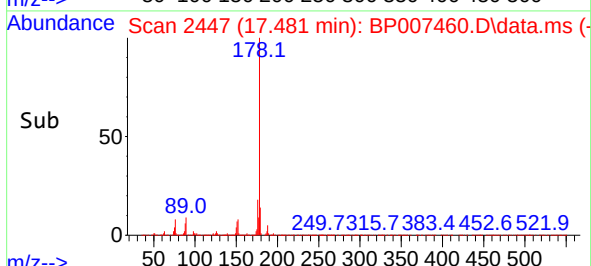
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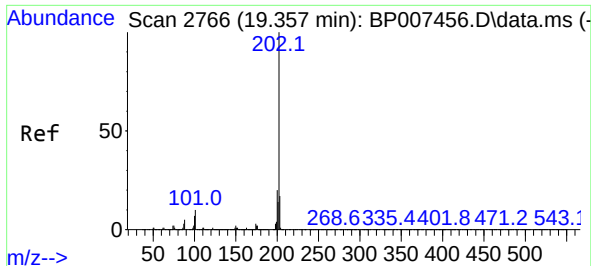


#74  
Anthracene  
Concen: 3.06 ng/ul  
RT: 17.481 min Scan# 2447  
Delta R.T. -0.006 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58



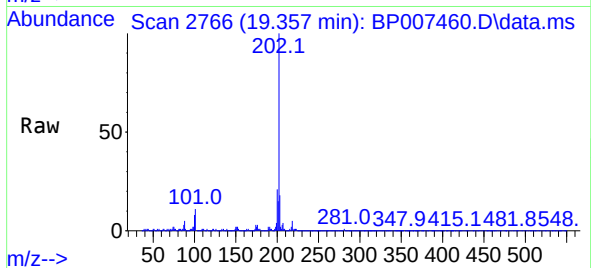
Tgt Ion:178 Resp: 144803  
Ion Ratio Lower Upper  
178 100  
179 14.7 12.2 18.4  
176 18.4 14.6 22.0





#80  
Fluoranthene  
Concen: 5.63 ng/u1  
RT: 19.357 min Scan# 2766  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

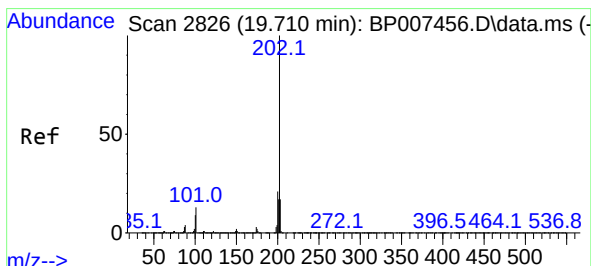
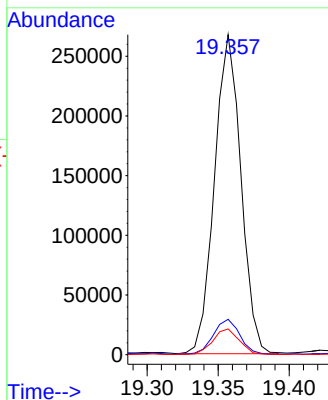
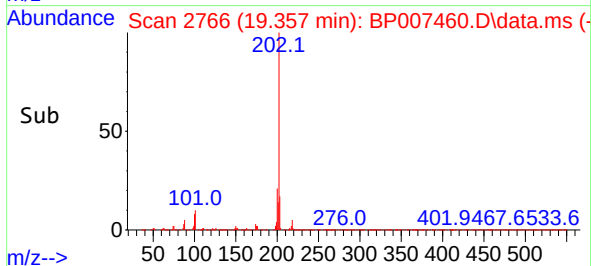
Instrument :  
BNA\_P  
ClientSampled :  
C0B28



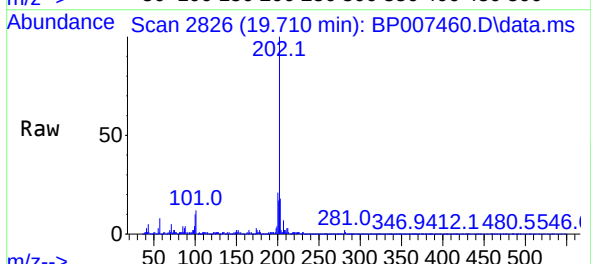
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Ion Ratio Lower Upper  
202 100  
101 11.1 8.4 12.6  
100 8.1 6.3 9.5

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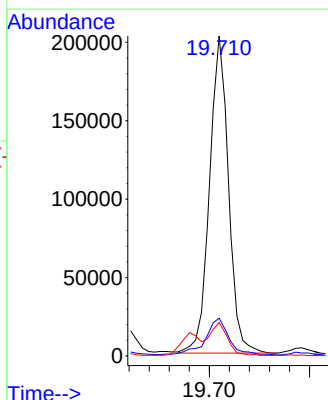
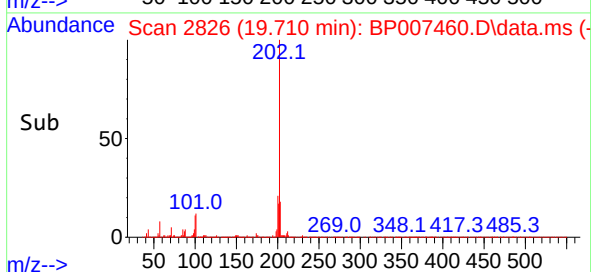
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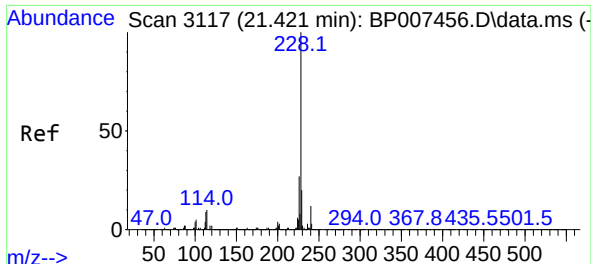


#82  
Pyrene  
Concen: 4.29 ng/u1  
RT: 19.710 min Scan# 2826  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58



Tgt Ion:202 Resp: 265555  
Ion Ratio Lower Upper  
202 100  
101 11.8 9.9 14.9  
100 10.4 7.9 11.9





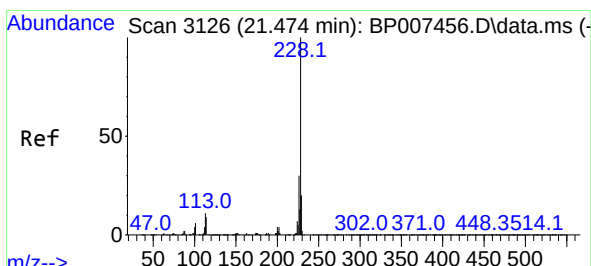
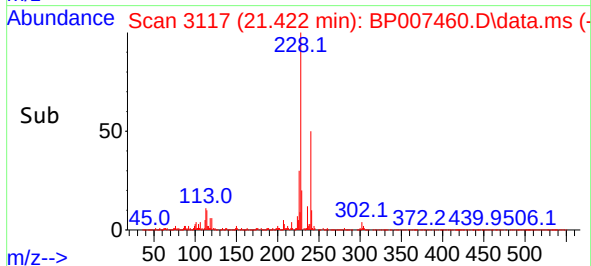
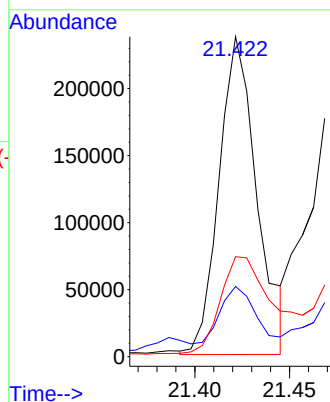
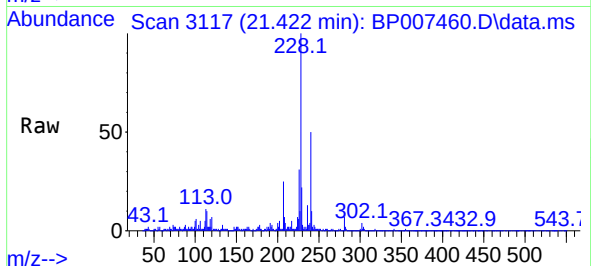
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Benzo(a)anthracene  
Concen: 5.43 ng/ul  
RT: 21.422 min Scan# 3117  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

Tgt Ion:228 Resp: 329903  
Ion Ratio Lower Upper  
228 100  
229 22.0 15.7 23.5  
226 31.3 21.4 32.0

Instrument :  
BNA\_P  
ClientSampled :  
C0B28

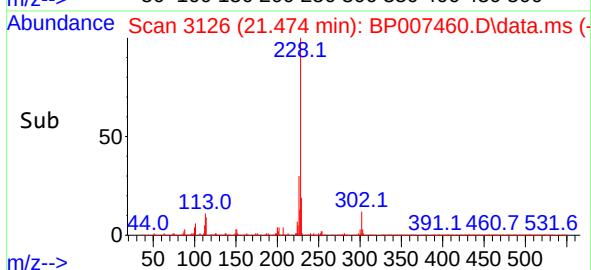
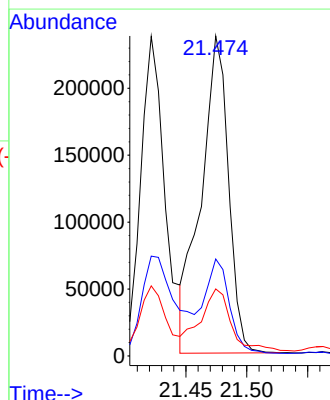
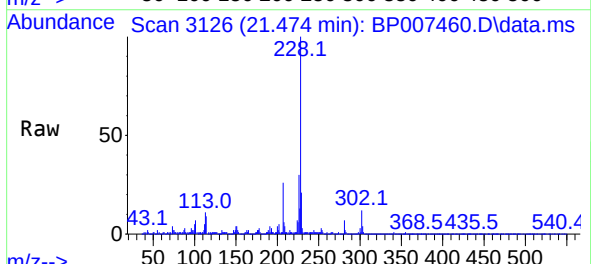
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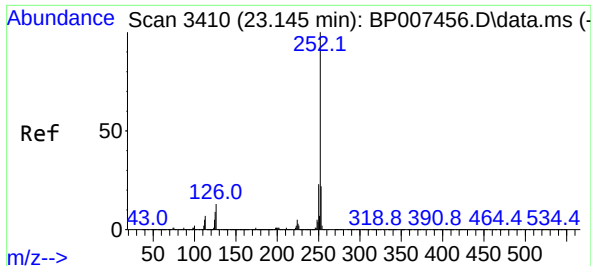


#87  
Chrysene  
Concen: 6.33 ng/ul  
RT: 21.474 min Scan# 3126  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

Tgt Ion:228 Resp: 372915  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.7 35.5  
229 21.0 16.0 24.0







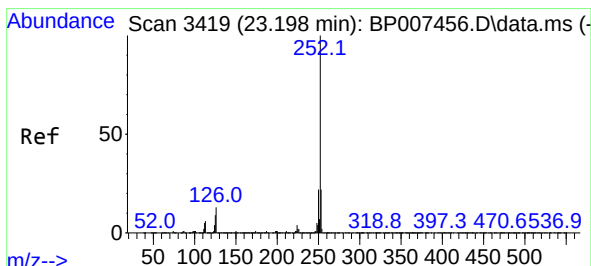
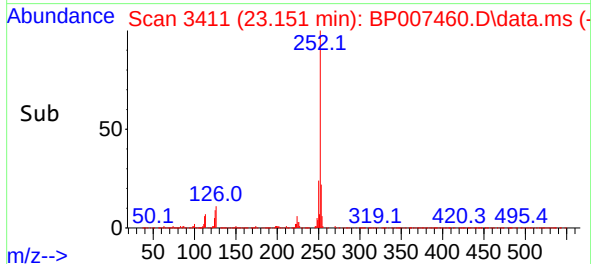
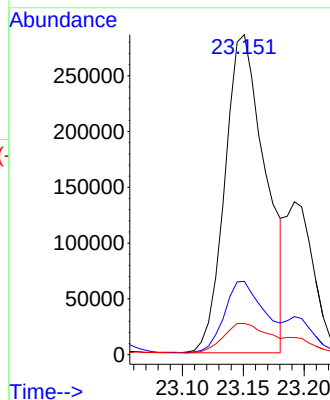
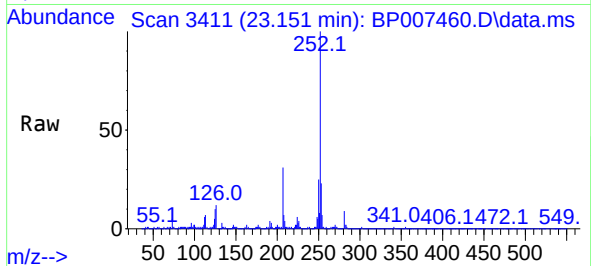
#90  
Benzo(b)fluoranthene  
Concen: 10.29 ng/ul  
RT: 23.151 min Scan# 3411  
Delta R.T. 0.006 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

Tgt Ion:252 Resp: 662393  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.4 26.2  
125 9.7 7.8 11.6

Instrument :  
BNA\_P  
ClientSampled :  
C0B28

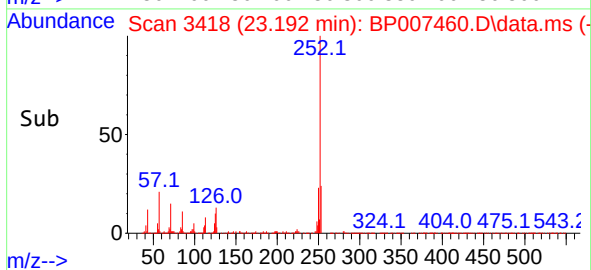
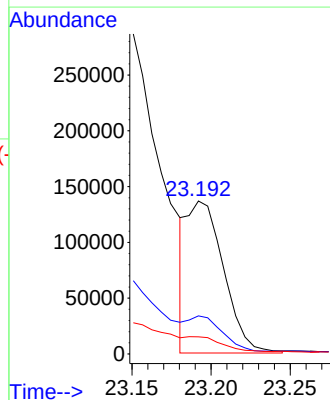
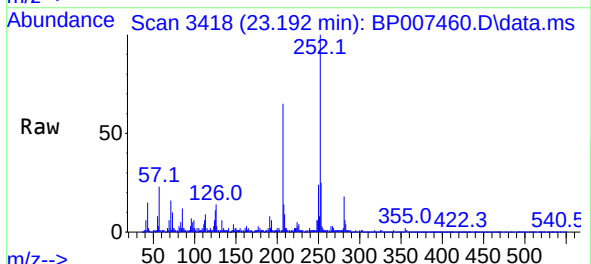
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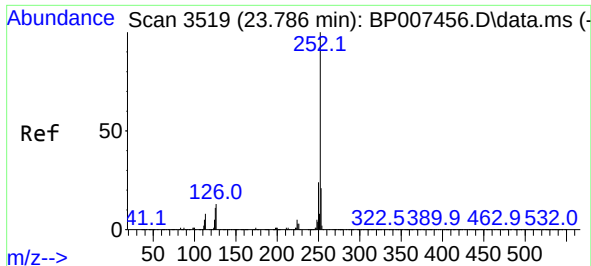
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#91  
Benzo(k)fluoranthene  
Concen: 3.64 ng/ul m  
RT: 23.192 min Scan# 3418  
Delta R.T. -0.006 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

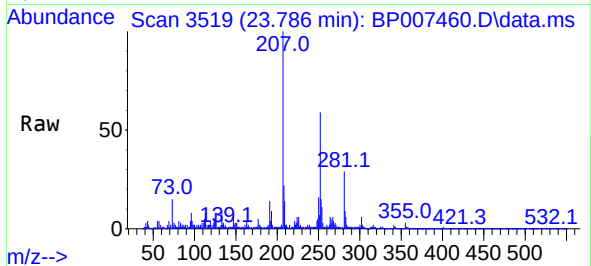
Tgt Ion:252 Resp: 218460  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.6 26.4  
125 11.2 8.0 12.0





#93  
Benzo(a)pyrene  
Concen: 1.71 ng/ul  
RT: 23.786 min Scan# 3519  
Delta R.T. 0.000 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58

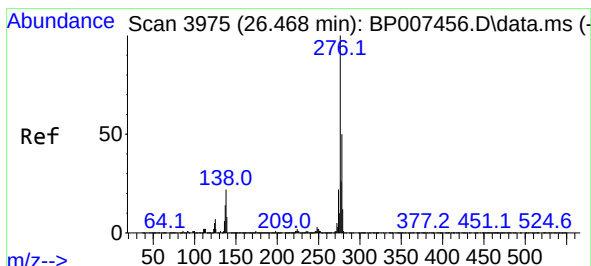
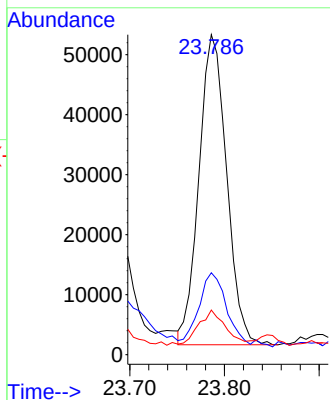
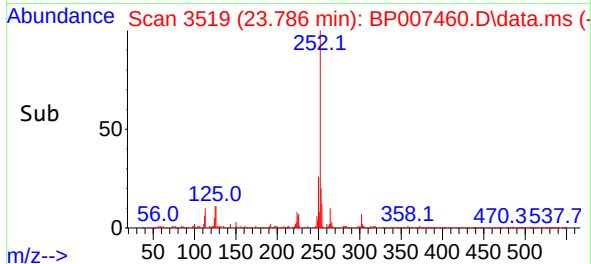
Instrument :  
BNA\_P  
ClientSampled :  
C0B28



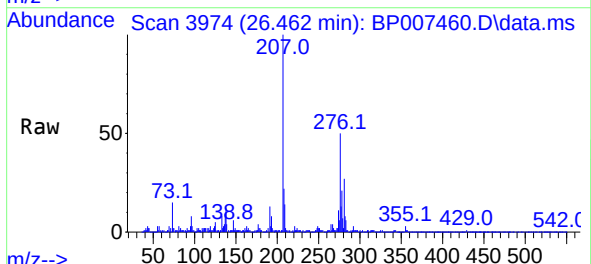
Tgt Ion:252 Resp: 105181  
Ion Ratio Lower Upper  
252 100  
253 25.6 17.3 25.9  
125 14.0 8.3 12.5#

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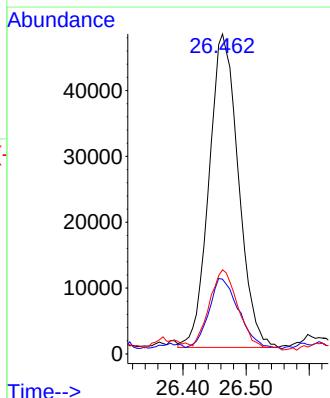
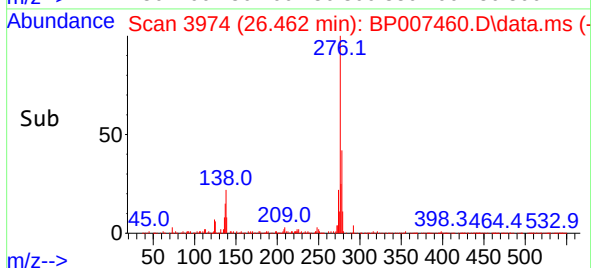
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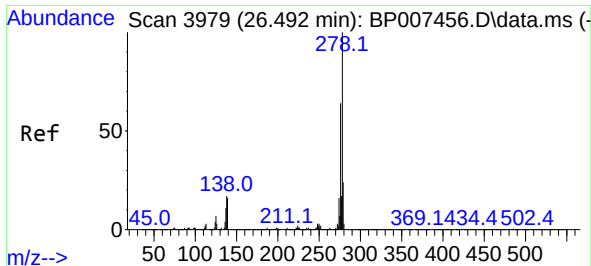


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.15 ng/ul  
RT: 26.462 min Scan# 3974  
Delta R.T. -0.006 min  
Lab File: BP007460.D  
Acq: 18 Oct 2021 12:58



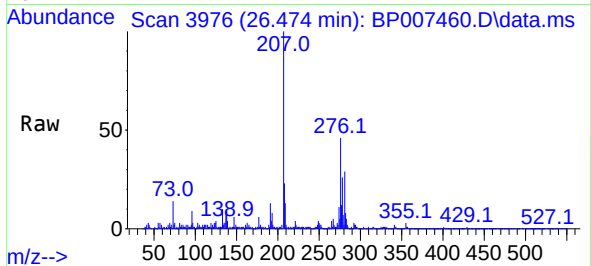
Tgt Ion:276 Resp: 153667  
Ion Ratio Lower Upper  
276 100  
138 23.4 17.8 26.8  
277 26.3 19.8 29.6





#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.49 ng/ul  
 RT: 26.474 min Scan# 3976  
 Delta R.T. -0.018 min  
 Lab File: BP007460.D  
 Acq: 18 Oct 2021 12:58

Instrument :  
 BNA\_P  
 ClientSampled :  
 C0B28



Tgt Ion:278 Resp: 90836  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.2  | 12.8  | 19.2  |
| 279 | 27.4  | 19.1  | 28.7  |

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