

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP121320\  
 Data File : BP004263.D  
 Acq On : 12 Dec 2020 17:25  
 Operator : CG/JU  
 Sample : L5000-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A54A4

Manual Integrations  
 APPROVED

mohammad  
 12/14/2020 2:46:32 PM

Quant Time: Dec 14 08:22:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP121020MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 13:52:32 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 334458   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.64 | 136  | 1396866  | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.49 | 164  | 882157   | 20.00 | ng/ul | 0.01     |
| 62) Phenanthrene-d10      | 17.25 | 188  | 1923507  | 20.00 | ng/ul | 0.01     |
| 78) Chrysene-d12          | 21.34 | 240  | 1860821  | 20.00 | ng/ul | 0.02     |
| 86) Perylene-d12          | 23.70 | 264  | 2103011  | 20.00 | ng/ul | 0.03     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 21487   | 2.26  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 449692  | 16.25 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 241922  | 14.01 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 371459  | 17.69 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 340732  | 16.30 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 184797  | 16.15 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 183307  | 19.43 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.26 | 165 | 387992  | 18.70 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 386324  | 15.02 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.89 | 166 | 1170412 | 17.36 | ng/ul | 0.01 |
| 47) Acenaphthylene-d8          | 14.18 | 160 | 1554469 | 18.06 | ng/ul | 0.02 |
| 52) 4-Nitrophenol-d4           | 14.68 | 143 | 145450  | 12.77 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.49 | 176 | 1071269 | 17.54 | ng/ul | 0.02 |
| 63) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 11817   | 1.28  | ng/ul | 0.03 |
| 71) Anthracene-d10             | 17.35 | 188 | 1723070 | 18.38 | ng/ul | 0.01 |
| 79) Pyrene-d10                 | 19.59 | 212 | 1891351 | 19.51 | ng/ul | 0.02 |
| 90) Benzo(a)pyrene-d12         | 23.56 | 264 | 2107675 | 19.03 | ng/ul | 0.04 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                      | 7.03  | 94  | 30881   | 1.069  | ng/ul  | 94  |
| 45) Dimethylphthalate          | 13.94 | 163 | 286341  | 4.170  | ng/ul  | 99  |
| 50) Acenaphthene               | 14.55 | 153 | 61067   | 1.010  | ng/ul  | 98  |
| 70) Phenanthrene               | 17.29 | 178 | 1274696 | 11.233 | ng/ul  | 100 |
| 72) Anthracene                 | 17.38 | 178 | 316592  | 2.820  | ng/ul  | 98  |
| 75) Carbazole                  | 17.65 | 167 | 112831  | 1.235  | ng/ul  | 99  |
| 77) Fluoranthene               | 19.26 | 202 | 2038273 | 16.822 | ng/ul  | 96  |
| 80) Pyrene                     | 19.62 | 202 | 1848438 | 14.726 | ng/ul  | 96  |
| 83) Benzo(a)anthracene         | 21.32 | 228 | 943278  | 7.690  | ng/ul  | 96  |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 461457  | 8.225  | ng/ul# | 97  |
| 85) Chrysene                   | 21.37 | 228 | 913825m | 7.594  | ng/ul  |     |
| 88) Benzo(b)fluoranthene       | 22.99 | 252 | 1361092 | 10.206 | ng/ul# | 95  |
| 89) Benzo(k)fluoranthene       | 23.03 | 252 | 375401m | 2.741  | ng/ul  |     |
| 91) Benzo(a)pyrene             | 23.60 | 252 | 1074282 | 8.632  | ng/ul# | 94  |
| 92) Indeno(1,2,3-cd)pyrene     | 26.14 | 276 | 799218  | 5.121  | ng/ul  | 94  |
| 93) Dibenzo(a,h)anthracene     | 26.14 | 278 | 201891  | 1.543  | ng/ul# | 70  |
| 94) Benzo(g,h,i)perylene       | 26.88 | 276 | 701168  | 5.355  | ng/ul  | 95  |

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

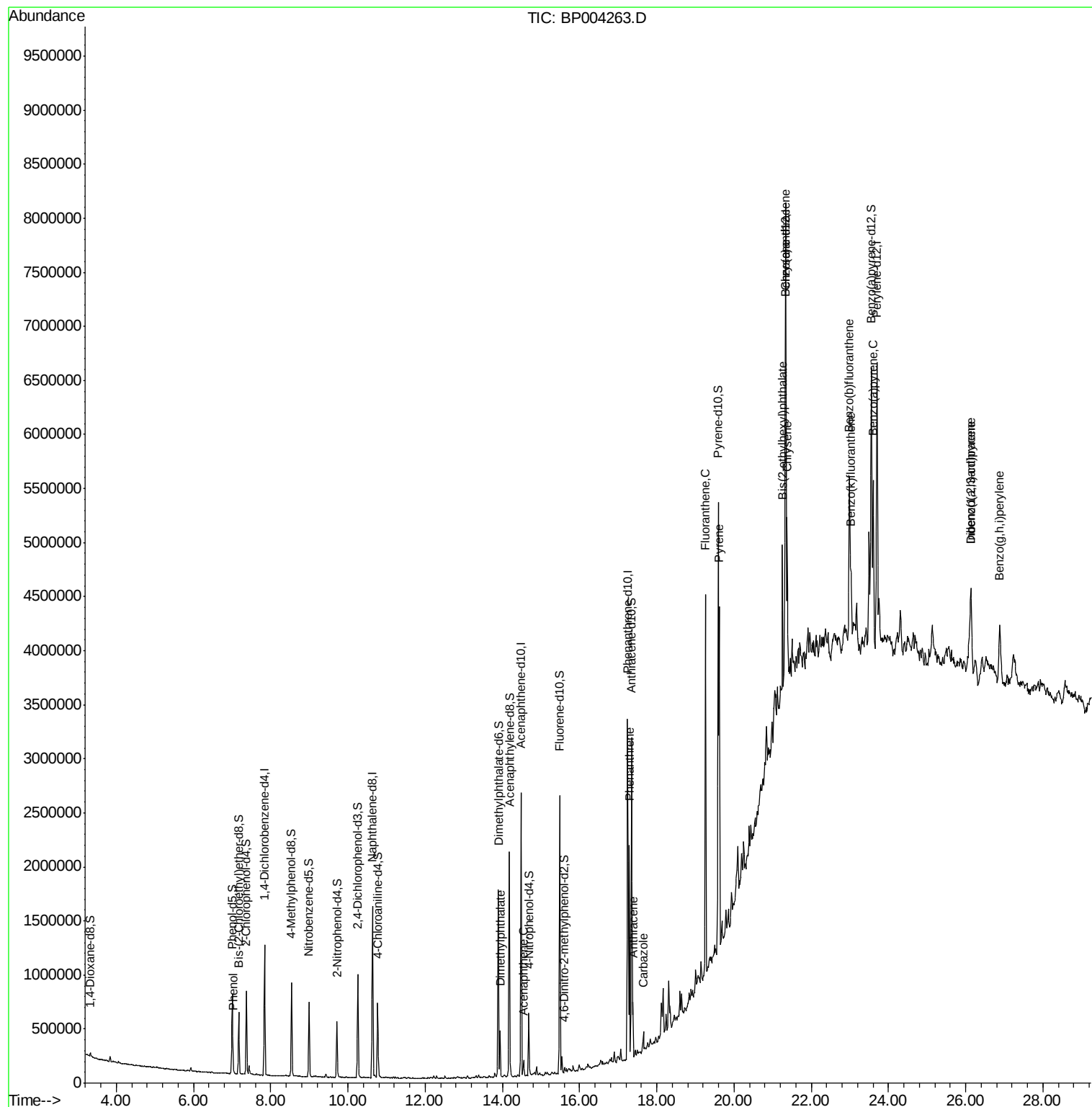
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\  
Data File : BP004263.D  
Acq On : 12 Dec 2020 17:25  
Operator : CG/JU  
Sample : L5000-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

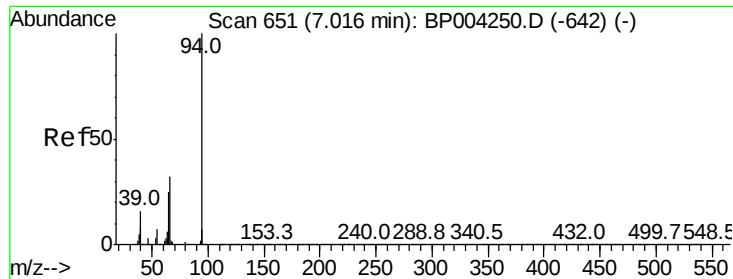
Instrument :  
BNA\_P  
ClientSampleId :  
A54A4

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Quant Time: Dec 14 08:22:41 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP121020MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 13:52:32 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 1.069 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

Instrument :

BNA\_P

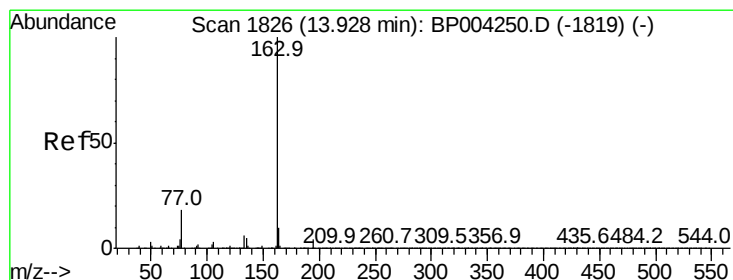
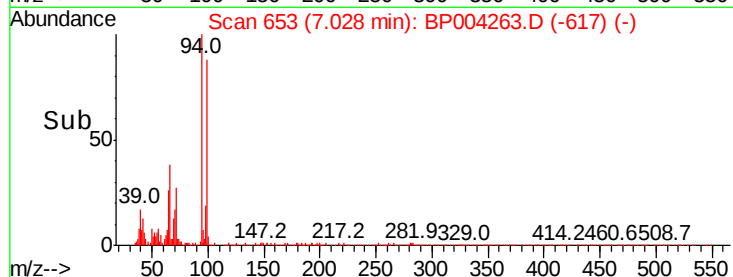
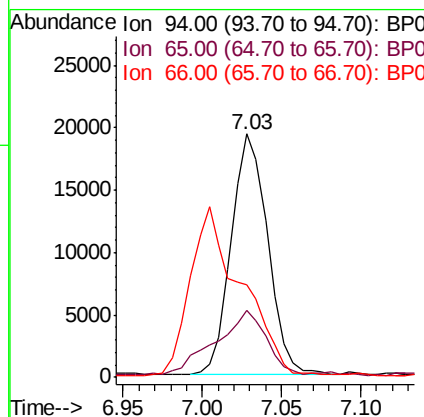
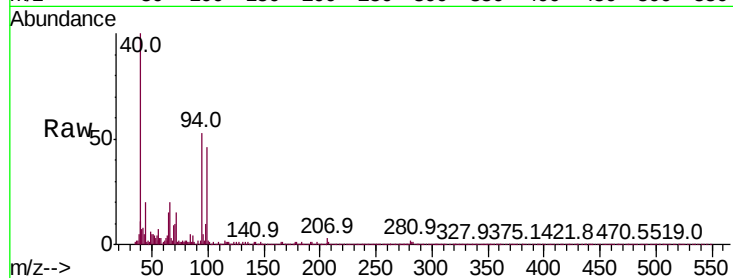
ClientSampleId :

A54A4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 94    | Resp: | 30881 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 27.5  | 20.8  | 31.2  |
| 66        | 38.1  | 26.5  | 39.7  |

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#45

Dimethylphthalate

Concen: 4.170 ng/ul

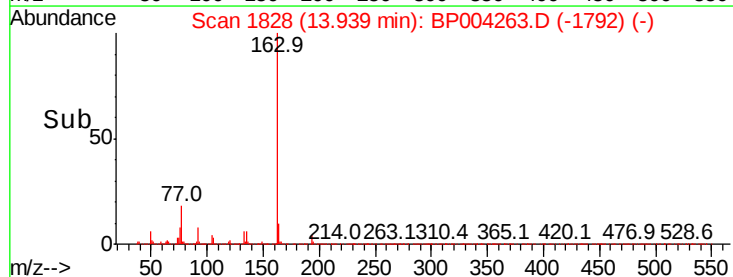
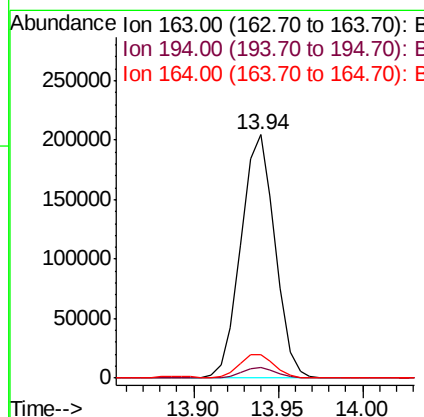
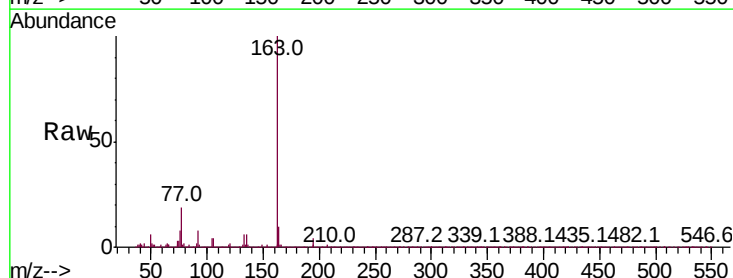
RT: 13.94 min Scan# 1828

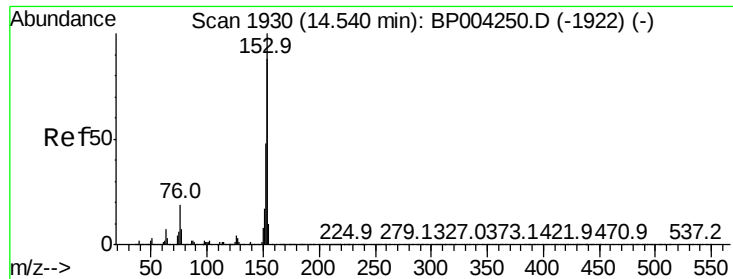
Delta R.T. 0.01 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 286341 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.2   | 3.4   | 5.2    |
| 164       | 9.8   | 8.4   | 12.6   |





#50

Acenaphthene

Concen: 1.010 ng/ul

RT: 14.55 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

Instrument :

BNA\_P

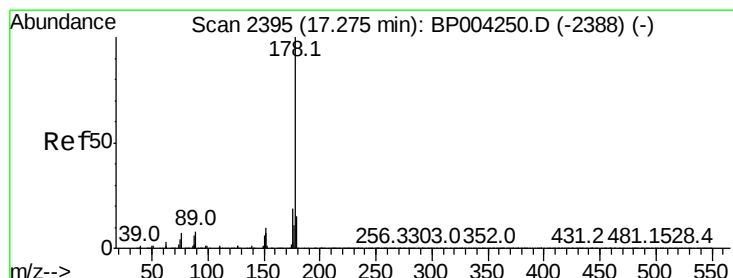
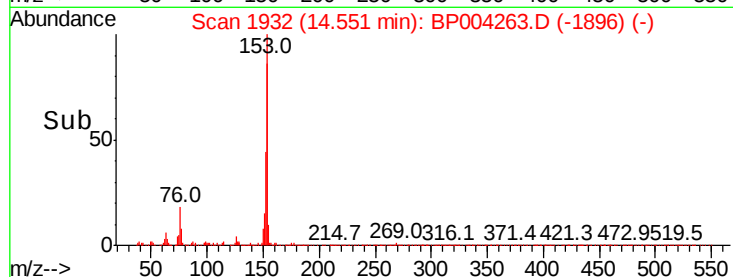
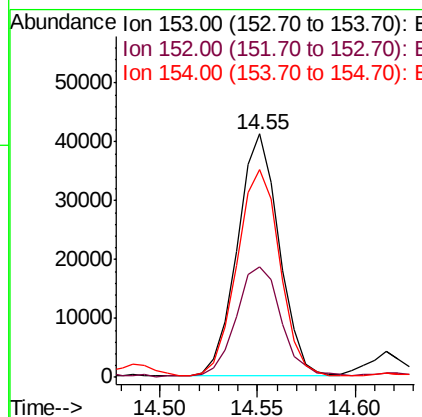
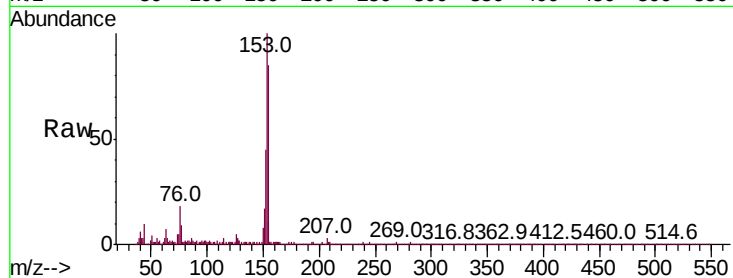
ClientSampleId :

A54A4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 153   | Resp: | 61067 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 45.3  | 37.8  | 56.6  |
| 154       | 85.3  | 69.8  | 104.8 |

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#70

Phenanthrene

Concen: 11.233 ng/ul

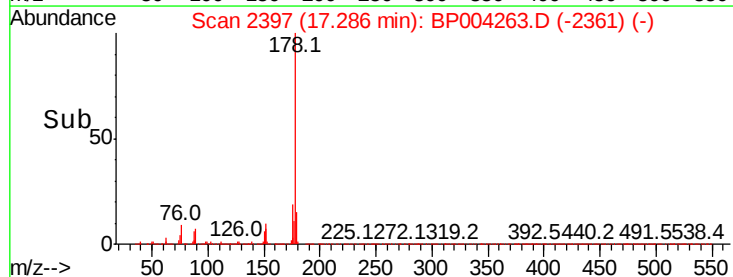
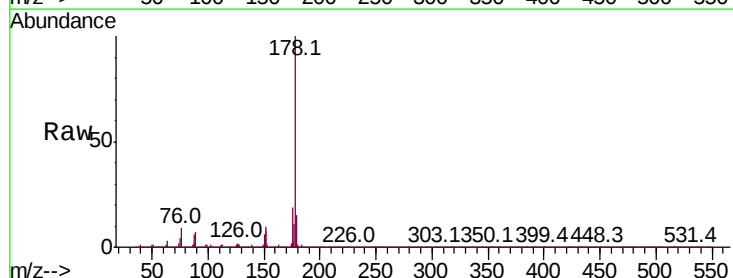
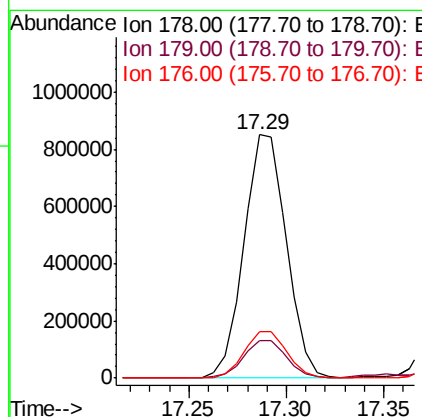
RT: 17.29 min Scan# 2397

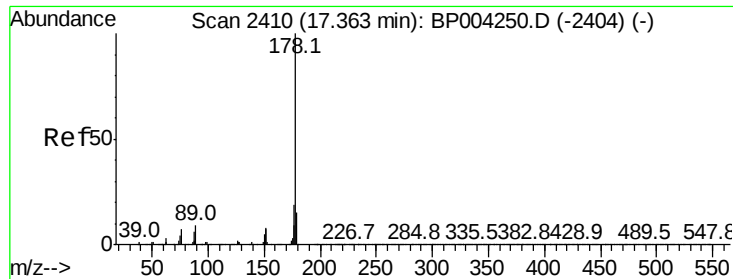
Delta R.T. 0.01 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 1274696 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 179       | 15.3  | 12.4  | 18.6    |
| 176       | 19.0  | 15.4  | 23.0    |





#72

Anthracene

Concen: 2.820 ng/ul

RT: 17.38 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

Instrument :

BNA\_P

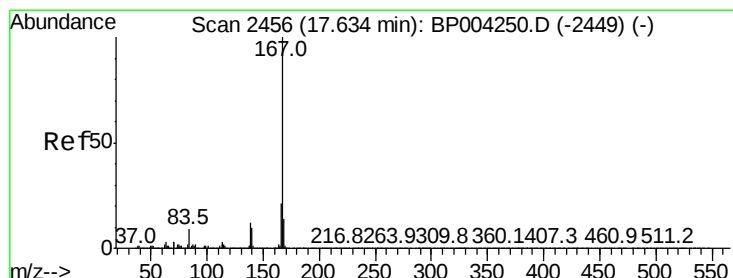
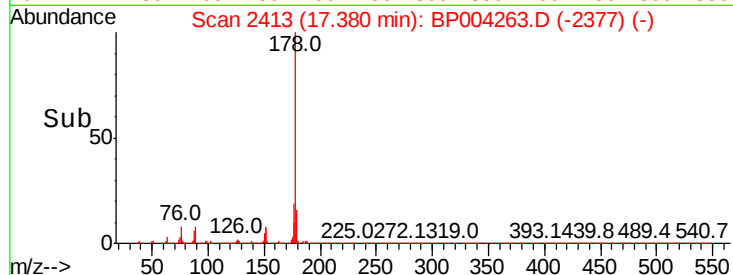
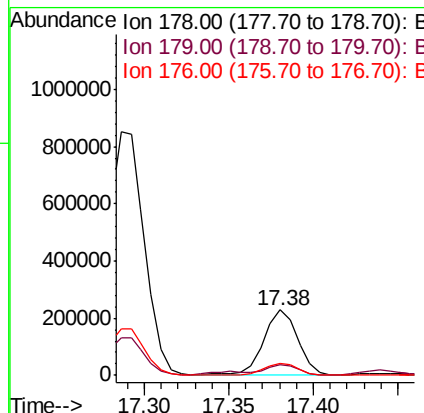
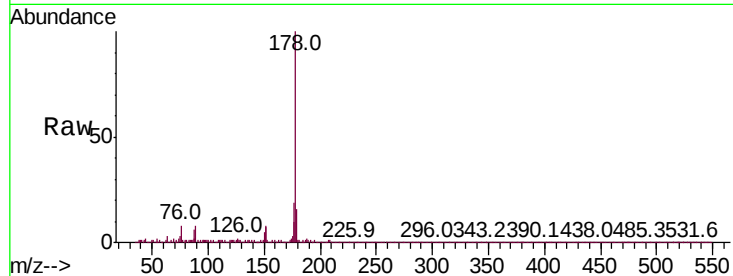
ClientSampleId :

A54A4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 316592 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 16.2  | 12.3  | 18.5   |
| 176       | 19.2  | 14.9  | 22.3   |

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#75

Carbazole

Concen: 1.235 ng/ul

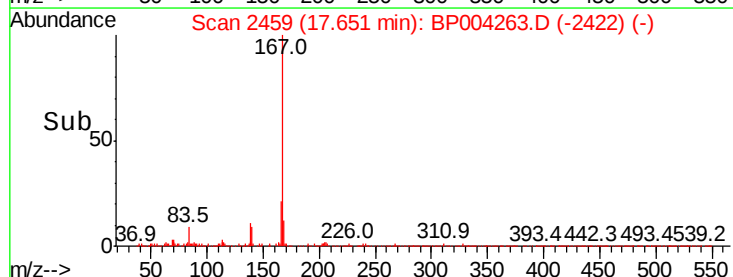
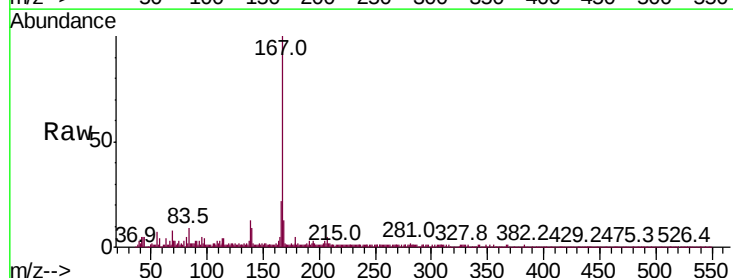
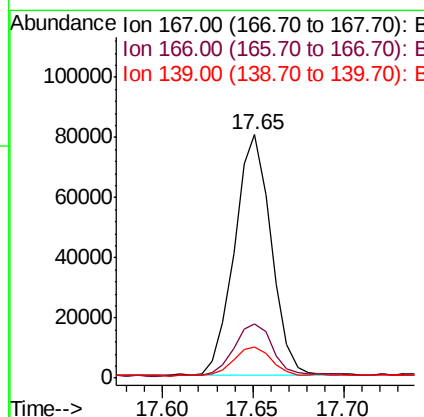
RT: 17.65 min Scan# 2459

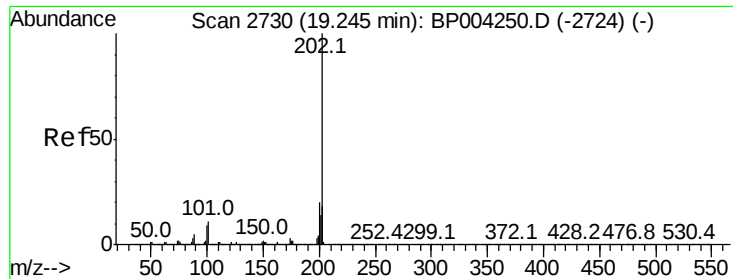
Delta R.T. 0.02 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 167   | Resp: | 112831 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.1  | 17.1  | 25.7   |
| 139       | 12.6  | 9.8   | 14.6   |





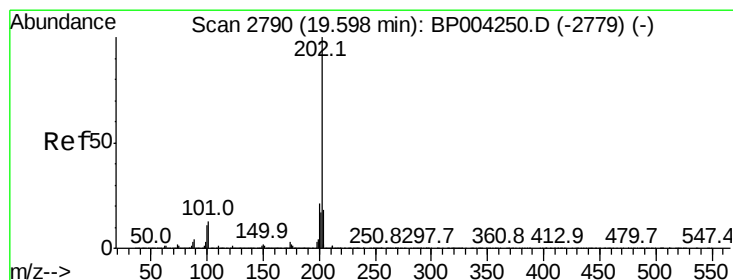
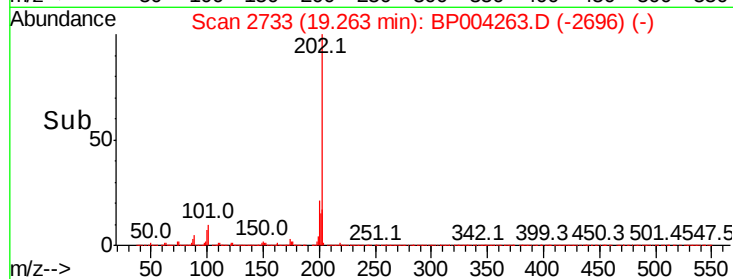
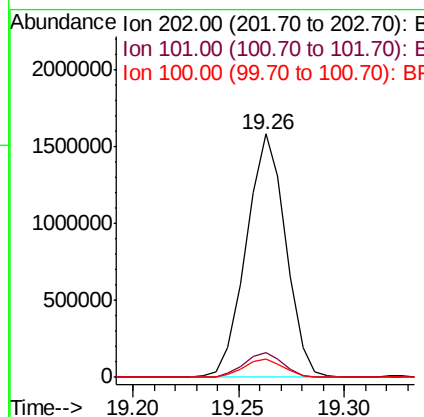
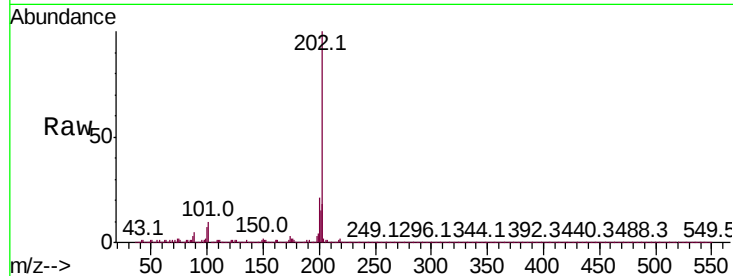
#77  
Fluoranthene  
Concen: 16.822 ng/ul  
RT: 19.26 min Scan# 2733  
Delta R.T. 0.02 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

Instrument :  
BNA\_P  
ClientSampleId :  
A54A4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.1  | 9.1   | 13.7  |
| 100     | 7.5   | 7.1   | 10.7  |

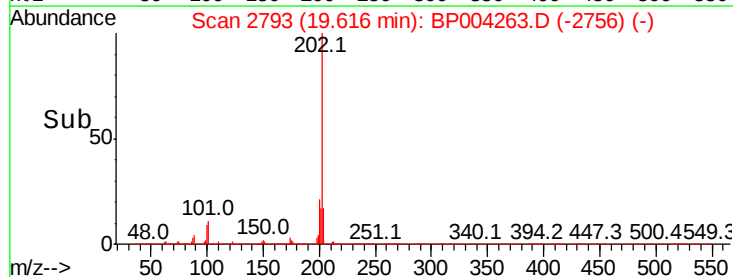
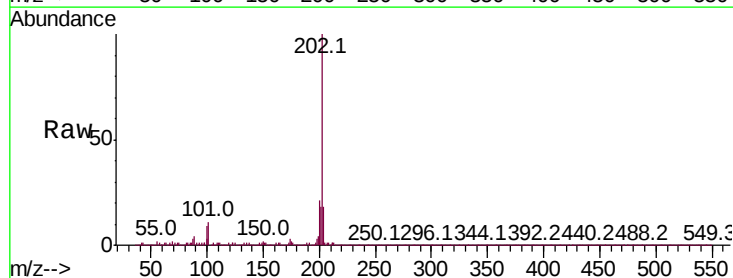
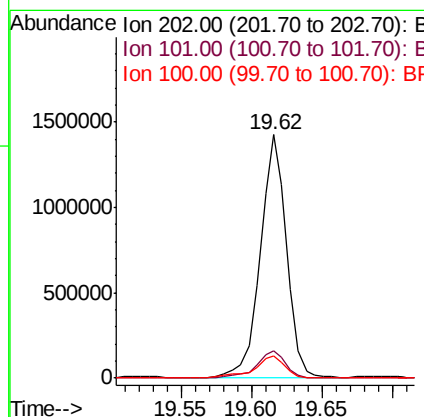
Manual Integrations  
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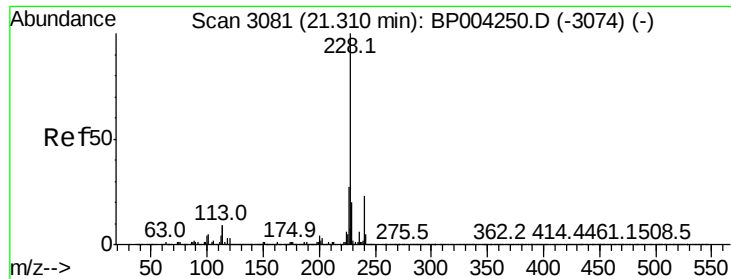
mohammad  
12/14/2020 2:46:32 PM



#80  
Pyrene  
Concen: 14.726 ng/ul  
RT: 19.62 min Scan# 2793  
Delta R.T. 0.02 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.3  | 10.6  | 15.8  |
| 100     | 9.3   | 8.6   | 12.8  |





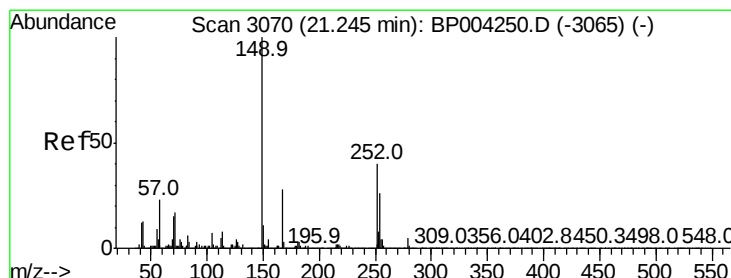
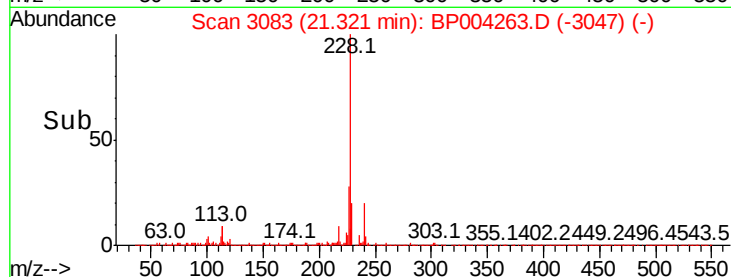
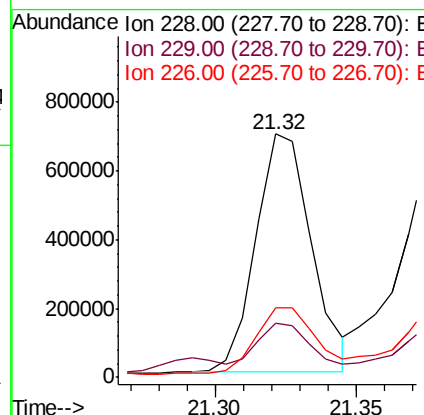
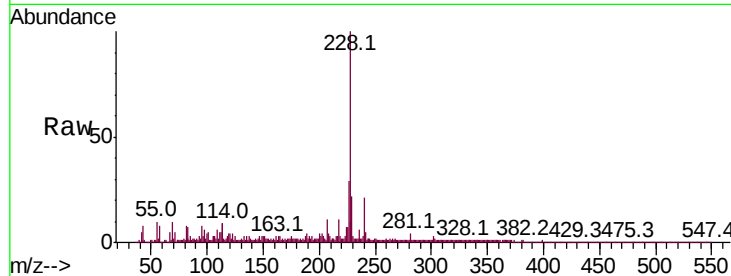
#83  
Benzo(a)anthracene  
Concen: 7.690 ng/ul  
RT: 21.32 min Scan# 3083  
Delta R.T. 0.01 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

Instrument :  
BNA\_P  
ClientSampleId :  
A54A4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.3  | 15.8  | 23.8  |
| 226     | 28.6  | 21.7  | 32.5  |

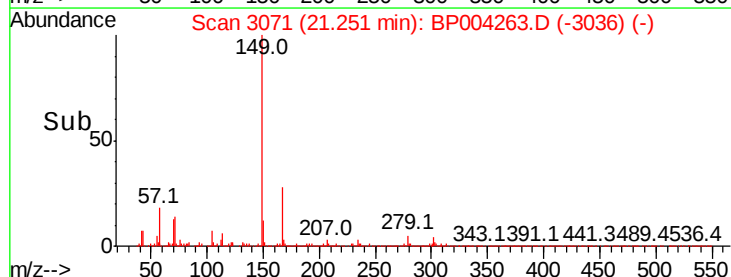
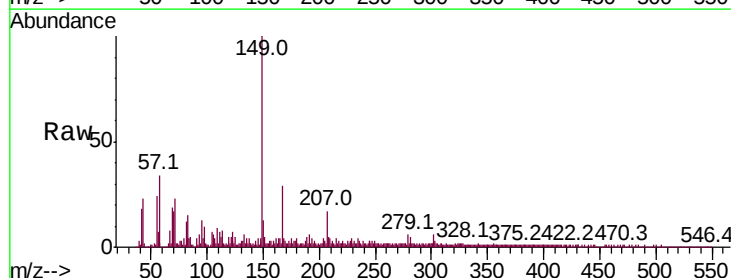
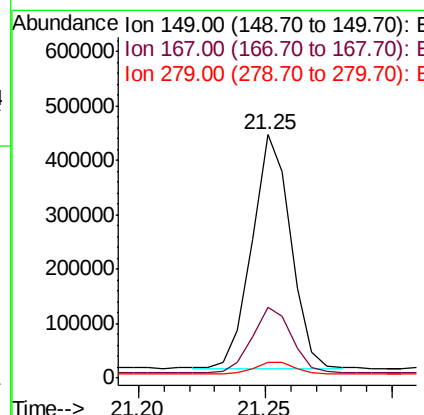
Manual Integrations  
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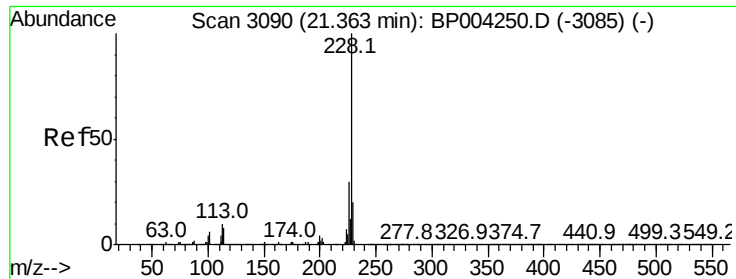
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12/14/2020 2:46:32 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.225 ng/ul  
RT: 21.25 min Scan# 3071  
Delta R.T. 0.01 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.2  | 22.2  | 33.4  |
| 279     | 6.4   | 3.6   | 5.4   |





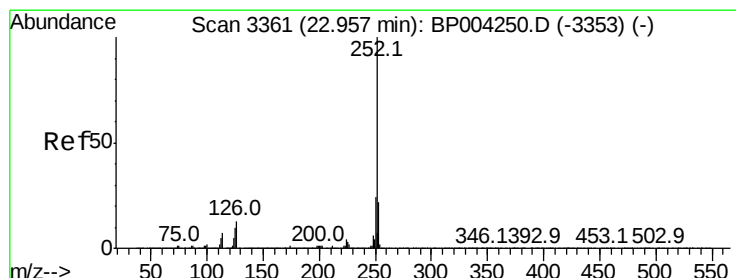
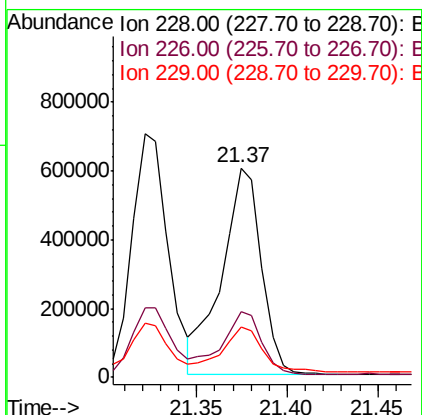
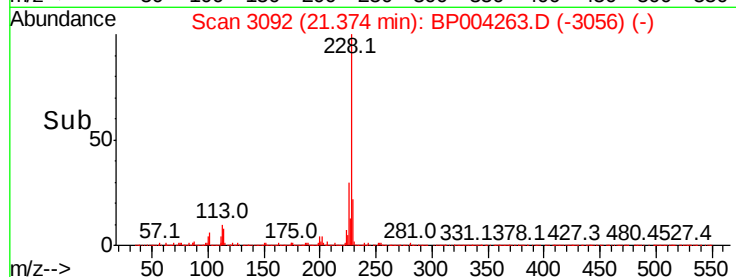
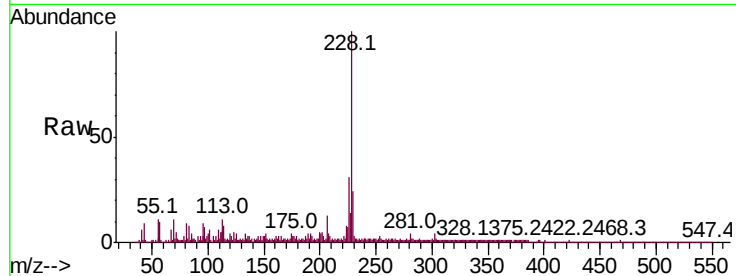
#85  
Chrysene  
Concen: 7.594 ng/ul m  
RT: 21.37 min Scan# 3092  
Delta R.T. 0.01 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

Instrument :  
BNA\_P  
ClientSampleId :  
A54A4

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.4  | 24.2       | 36.2  |
| 229     | 23.8  | 15.8       | 23.8# |

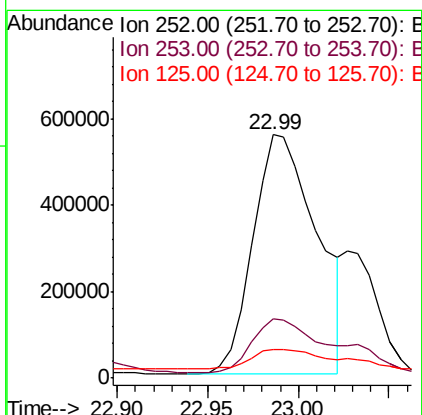
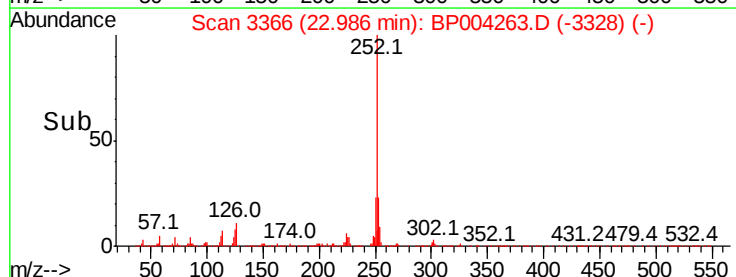
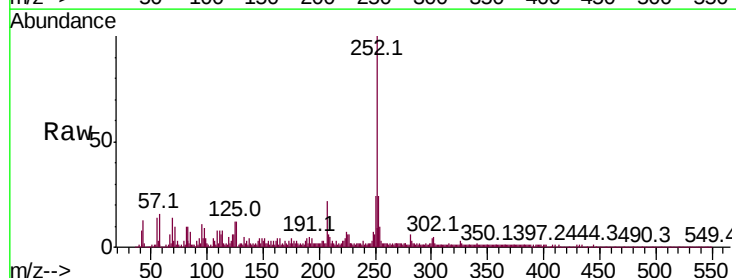
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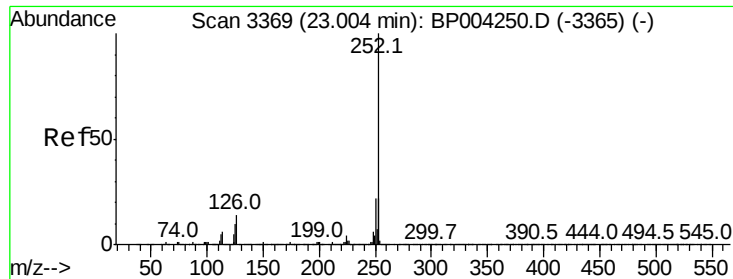
mohammad  
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#88  
Benzo(b)fluoranthene  
Concen: 10.206 ng/ul  
RT: 22.99 min Scan# 3366  
Delta R.T. 0.02 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 24.4  | 17.6       | 26.4  |
| 125     | 11.9  | 7.7        | 11.5# |





#89

Benzo(k)fluoranthene

Concen: 2.741 ng/ul

RT: 23.03 min Scan# 3373

Delta R.T. 0.02 min

Lab File: BP004263.D

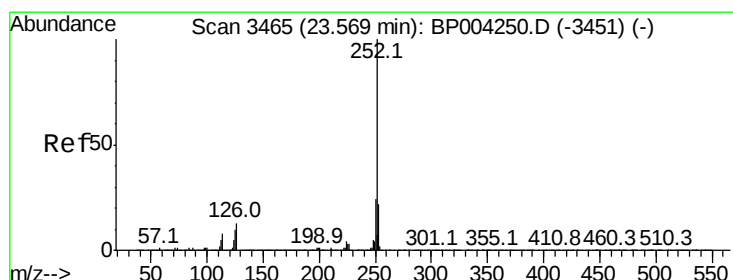
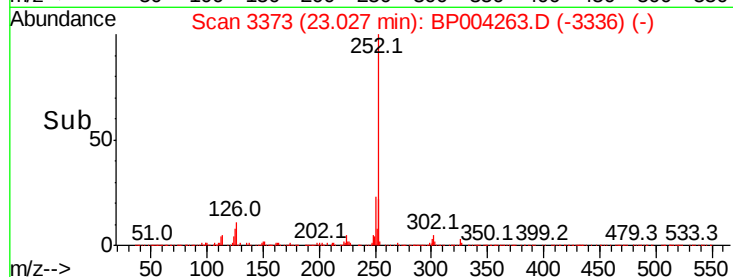
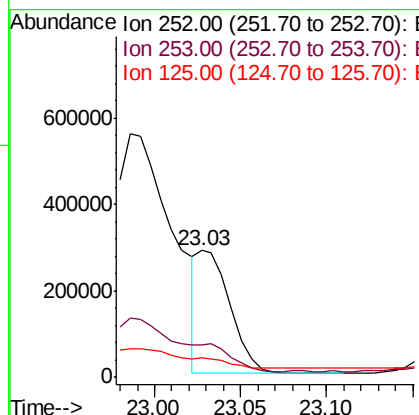
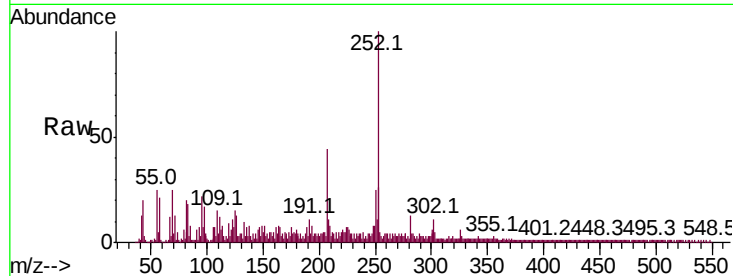
Acq: 12 Dec 2020 17:25

Instrument :  
BNA\_P  
ClientSampleId :  
A54A4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.0  | 17.4  | 26.2  |
| 125     | 15.3  | 7.3   | 10.9  |

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#91

Benzo(a)pyrene

Concen: 8.632 ng/ul

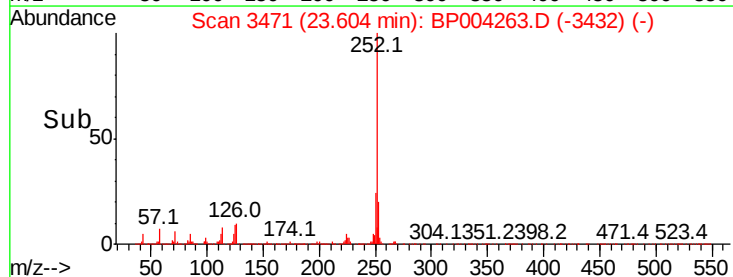
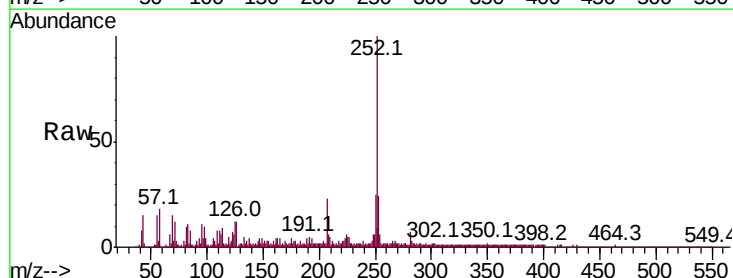
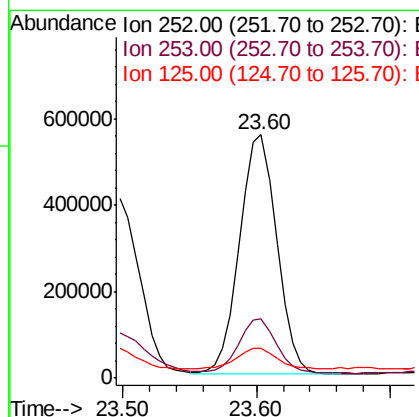
RT: 23.60 min Scan# 3471

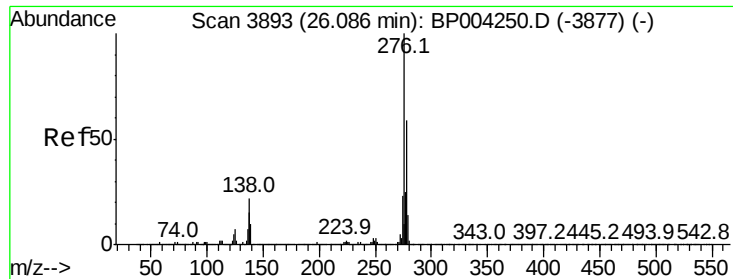
Delta R.T. 0.03 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 17.3  | 25.9  |
| 125     | 12.4  | 7.8   | 11.6  |





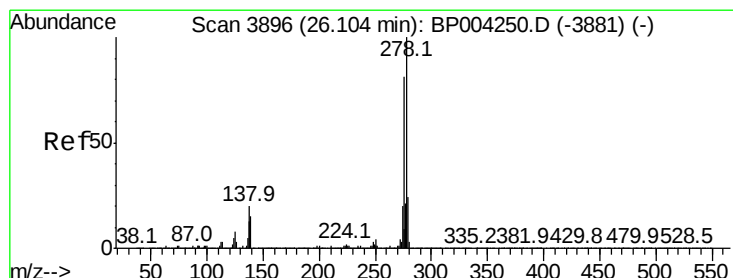
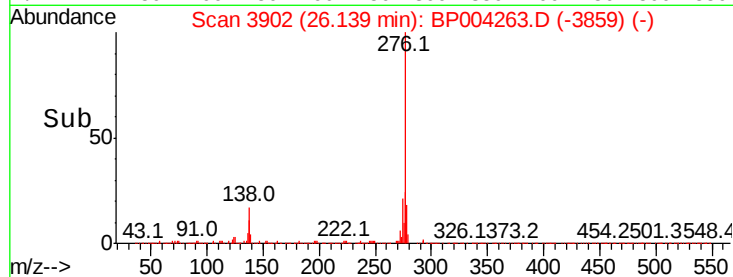
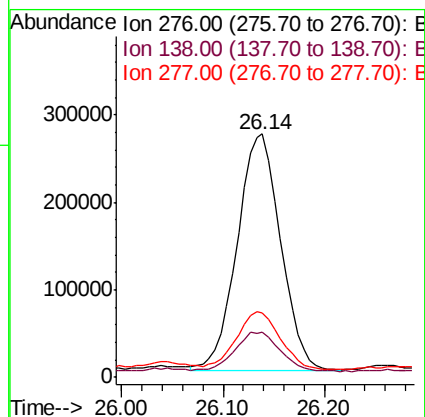
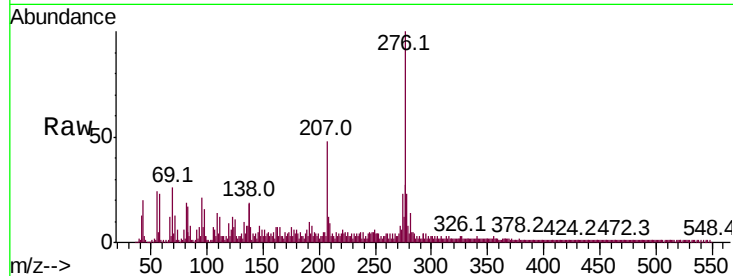
#92  
Indeno(1,2,3-cd)pyrene  
Concen: 5.121 ng/ul  
RT: 26.14 min Scan# 3902  
Delta R.T. 0.05 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

Instrument :  
BNA\_P  
ClientSampleId :  
A54A4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 799218 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 18.6  | 17.8  | 26.6   |
| 277       | 26.6  | 19.8  | 29.6   |

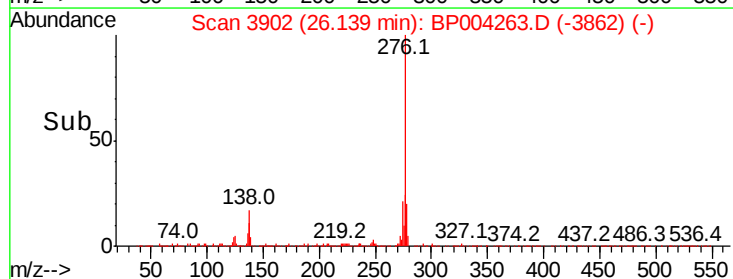
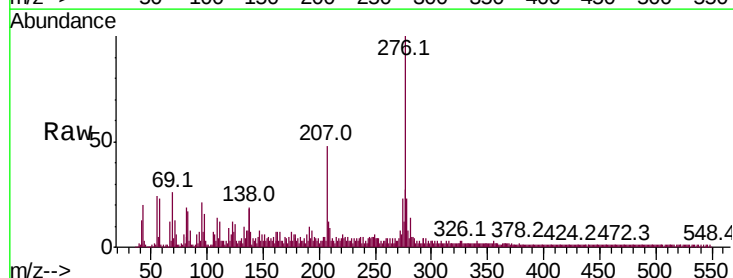
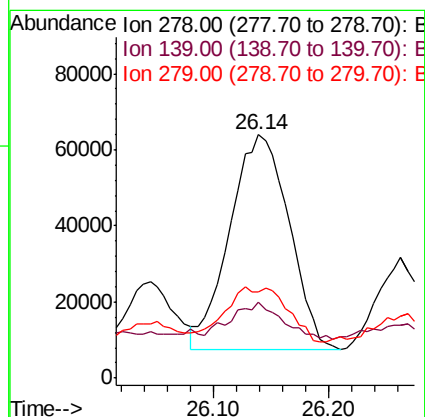
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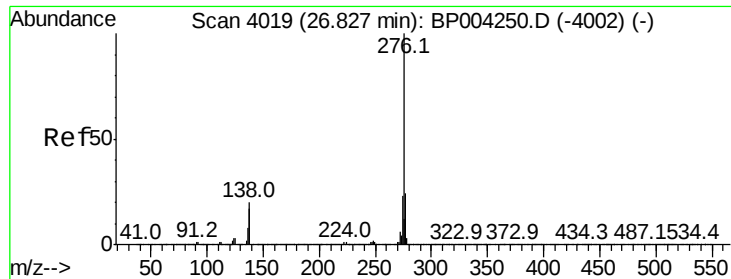
mohammad  
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#93  
Dibenzo(a,h)anthracene  
Concen: 1.543 ng/ul  
RT: 26.14 min Scan# 3902  
Delta R.T. 0.04 min  
Lab File: BP004263.D  
Acq: 12 Dec 2020 17:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 201891 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 31.1  | 11.9  | 17.9#  |
| 279       | 35.2  | 18.6  | 28.0#  |





#94

Benzo(a,h,i)perylene

Concen: 5.355 ng/ul

RT: 26.88 min Scan# 4028

Delta R.T. 0.05 min

Lab File: BP004263.D

Acq: 12 Dec 2020 17:25

Instrument :

BNA\_P

ClientSampleId :

A54A4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 701168 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 19.7  | 16.6  | 25.0   |
| 277       | 27.1  | 18.5  | 27.7   |

Manual Integrations  
APPROVED

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