

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM021215\  
 Data File : BM000512.D  
 Acq On : 12 Feb 2015 20:49  
 Operator : TP/IZ  
 Sample : G1249-04MSD  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4FL2MSD

Manual Integrations  
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Quant Time: Feb 13 10:59:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-SIM-BM021215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 12 16:45:55 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.70  | 152  | 3781     | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.49 | 136  | 12781    | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.35 | 164  | 8176     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.09 | 188  | 15827m   | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.29 | 240  | 12850    | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.51 | 264  | 10867m   | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.09 | 152  | 6550     | 0.40 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 14325m   | 0.43 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
| 8) Acenaphthene             | 14.41 | 153  | 7900     | 0.33 | ng/ul  | 97       |
| 11) Pentachlorophenol       | 16.75 | 266  | 1250     | 0.62 | ng/ul  | 96       |
| 15) Fluoranthene            | 19.16 | 202  | 879      | 0.02 | ng/ul  | 72       |
| 17) Pyrene                  | 19.53 | 202  | 22912    | 0.50 | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.27 | 228  | 1410     | 0.04 | ng/ul# | 91       |
| 19) Chrysene                | 21.32 | 228  | 1518     | 0.04 | ng/ul# | 91       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.75 | 276  | 1255     | 0.03 | ng/ul  | 98       |
| 25) Dibenzo(a,h)anthracene  | 25.77 | 278  | 1001m    | 0.03 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.44 | 276  | 1146     | 0.03 | ng/ul# | 71       |

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

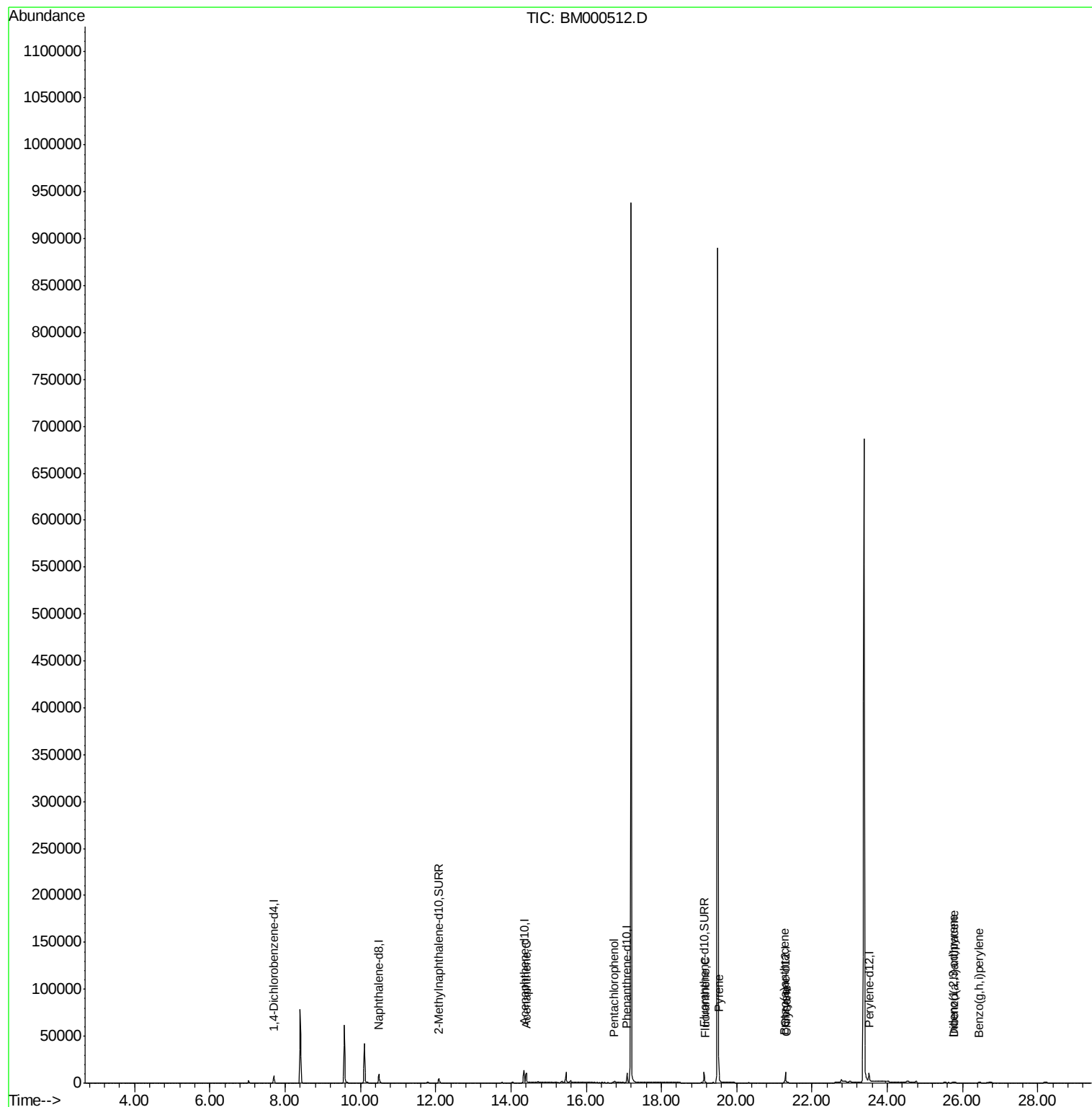
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM021215\  
Data File : BM000512.D  
Acq On : 12 Feb 2015 20:49  
Operator : TP/IZ  
Sample : G1249-04MSD  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

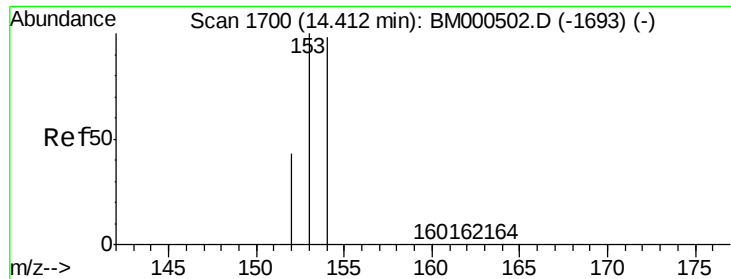
Instrument :  
BNA\_M  
ClientSampleId :  
A4FL2MSD

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Quant Time: Feb 13 10:59:42 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-SIM-BM021215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 12 16:45:55 2015  
Response via : Initial Calibration





#8

Acenaphthene

Concen: 0.33 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BM000512.D

Acq: 12 Feb 2015 20:49

Instrument :

BNA\_M

ClientSampleId :

A4FL2MSD

Tgt Ion:153 Resp: 7900

Ion Ratio Lower Upper

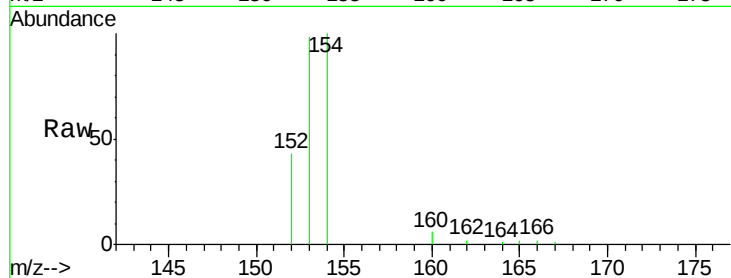
153 100

152 43.4 35.1 52.7

154 102.1 78.5 117.7

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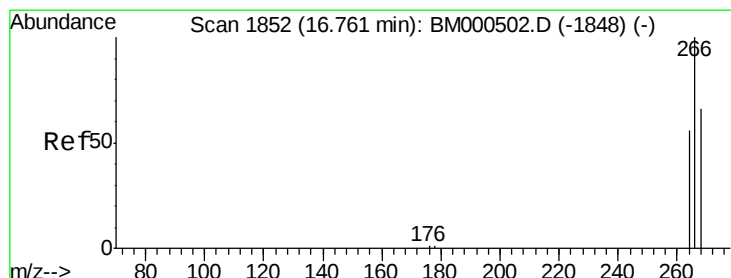
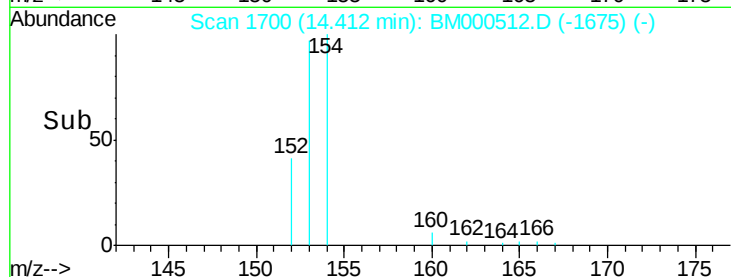
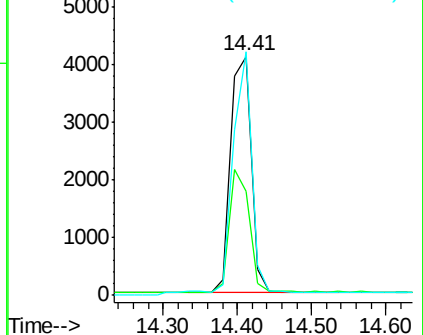
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Pentachlorophenol

Concen: 0.62 ng/ul

RT: 16.75 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BM000512.D

Acq: 12 Feb 2015 20:49

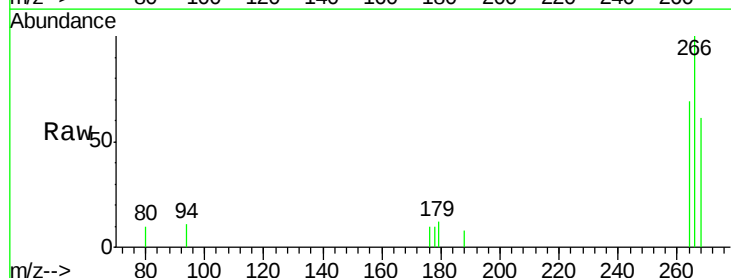
Tgt Ion:266 Resp: 1250

Ion Ratio Lower Upper

266 100

264 65.0 51.4 77.2

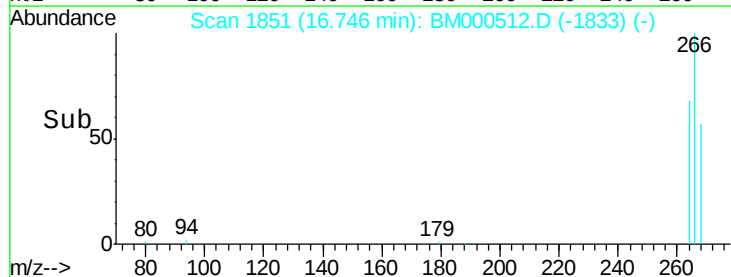
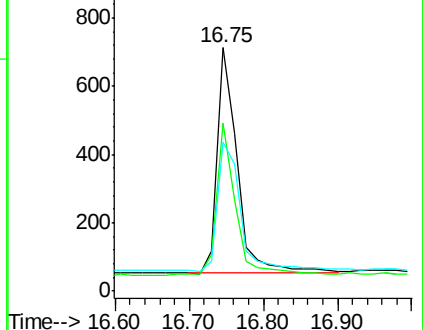
268 65.8 48.7 73.1

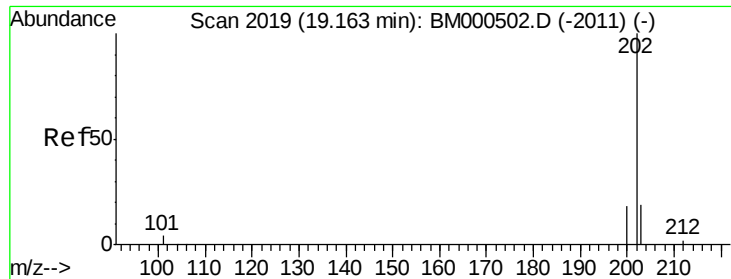


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.16 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BM000512.D

Acq: 12 Feb 2015 20:49

Instrument :

BNA\_M

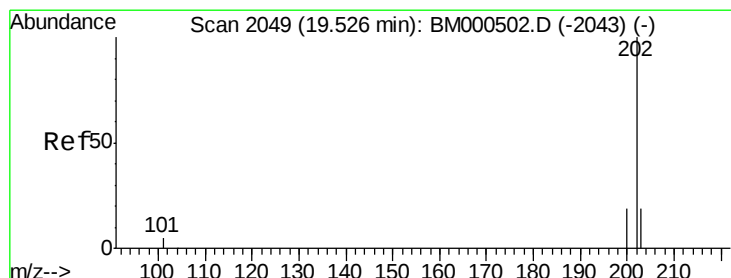
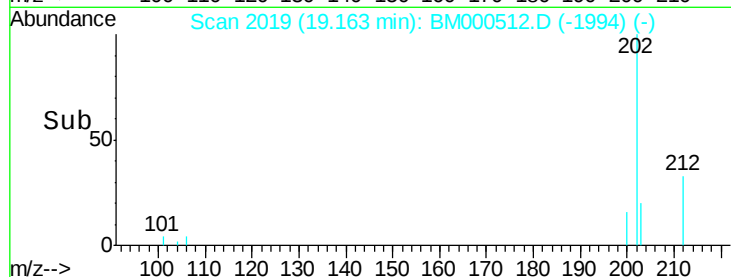
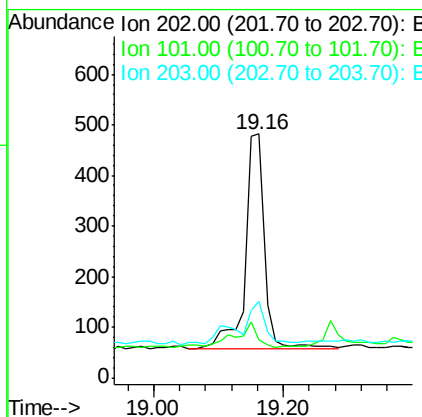
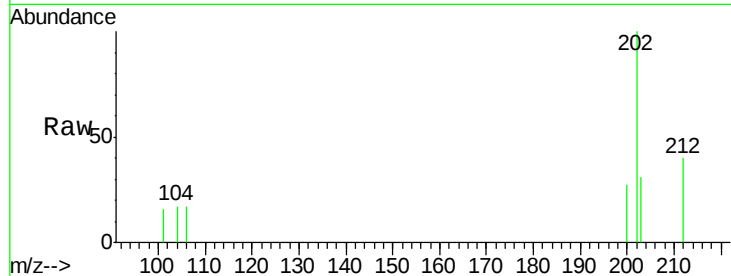
ClientSampleId :

A4FL2MSD

| Tgt | Ion  | Ratio | Resp | Lower | Upper |
|-----|------|-------|------|-------|-------|
| 202 | 100  |       | 879  |       |       |
| 101 | 15.8 | 0.0   | 24.8 |       |       |
| 203 | 31.3 | 0.0   | 39.2 |       |       |

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#17

Pyrene

Concen: 0.50 ng/ul

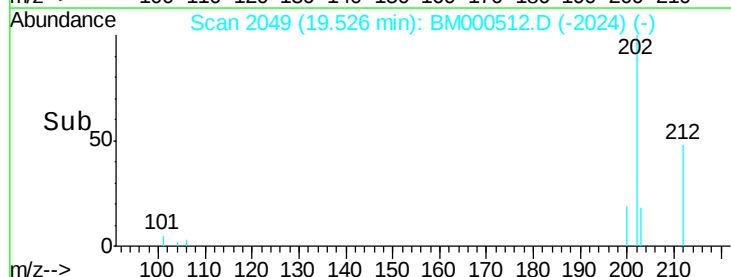
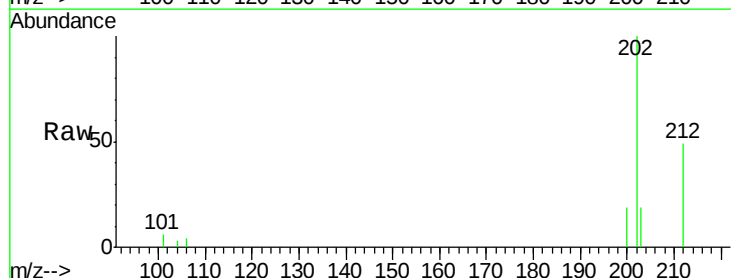
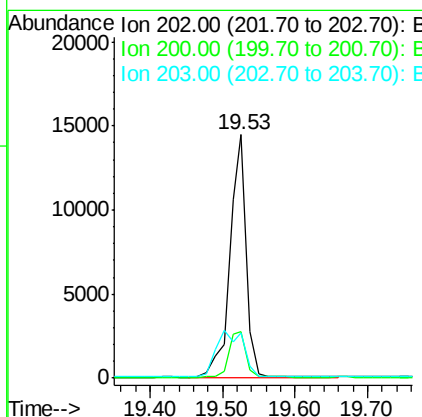
RT: 19.53 min Scan# 2049

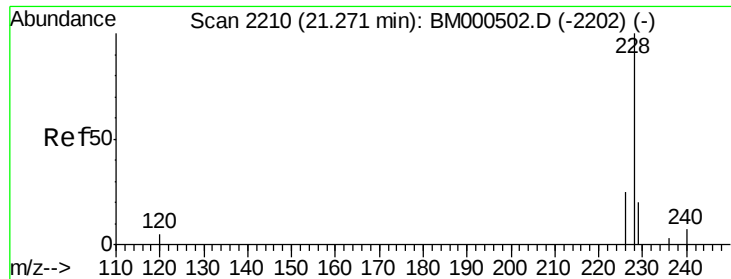
Delta R.T. -0.00 min

Lab File: BM000512.D

Acq: 12 Feb 2015 20:49

| Tgt | Ion  | Ratio | Resp  | Lower | Upper |
|-----|------|-------|-------|-------|-------|
| 202 | 100  |       | 22912 |       |       |
| 200 | 18.9 | 15.4  | 23.0  |       |       |
| 203 | 18.7 | 15.4  | 23.2  |       |       |





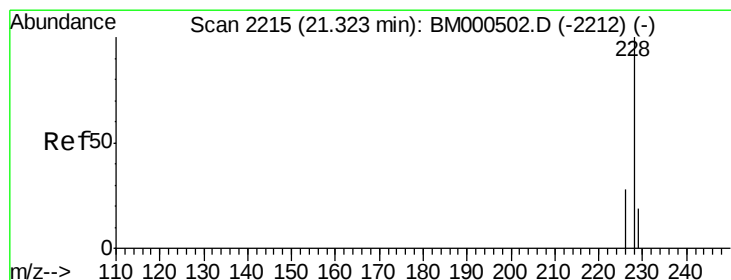
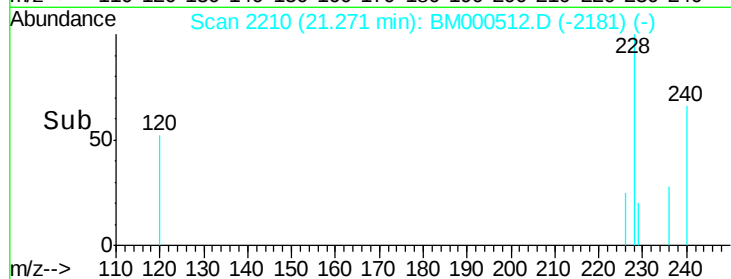
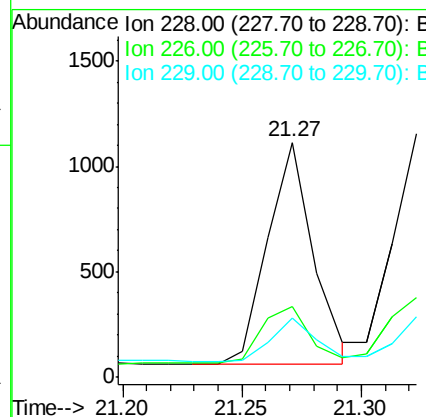
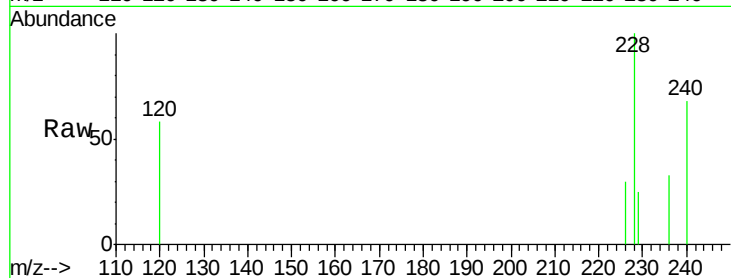
#18  
Benzo(a)anthracene  
Concen: 0.04 ng/ul  
RT: 21.27 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: BM000512.D  
Acq: 12 Feb 2015 20:49

Instrument :  
BNA\_M  
ClientSampleId :  
A4FL2MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 20.6  | 31.0  |
| 229     | 25.1  | 16.3  | 24.5# |

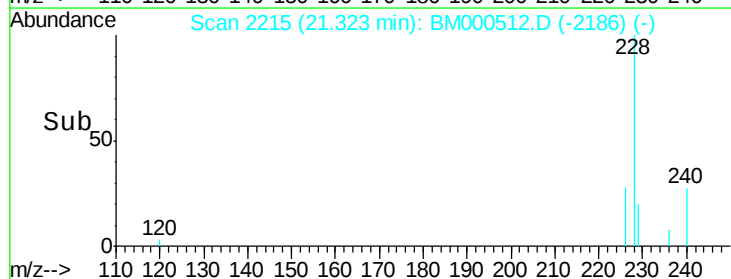
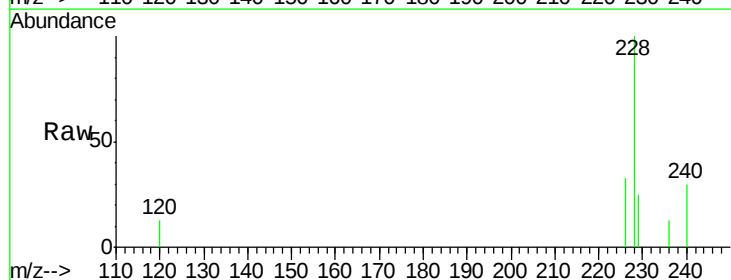
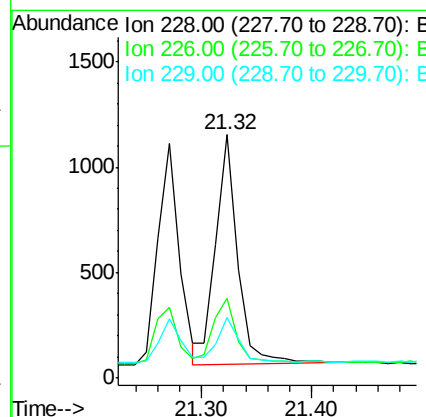
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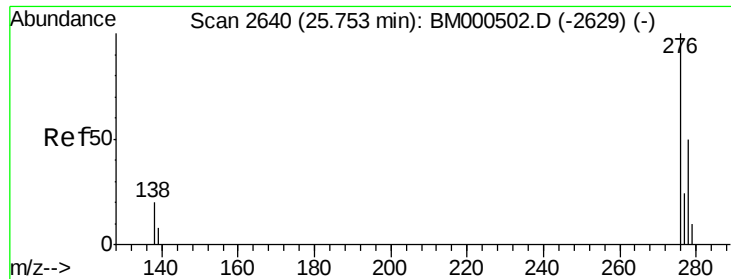
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#19  
Chrysene  
Concen: 0.04 ng/ul  
RT: 21.32 min Scan# 2215  
Delta R.T. -0.00 min  
Lab File: BM000512.D  
Acq: 12 Feb 2015 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.8  | 22.7  | 34.1  |
| 229     | 25.0  | 16.0  | 24.0# |





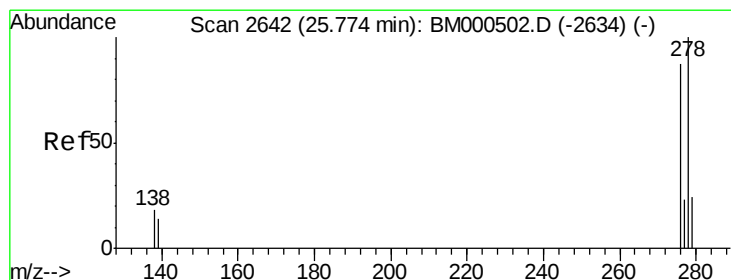
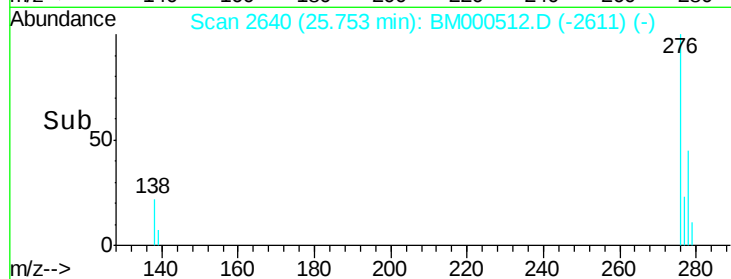
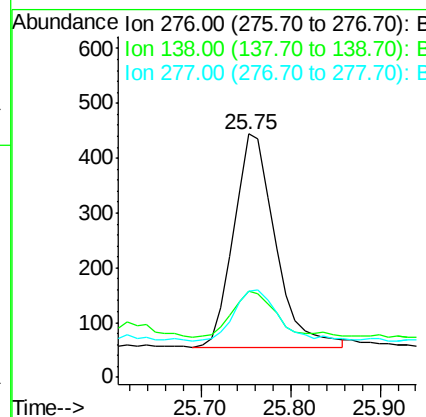
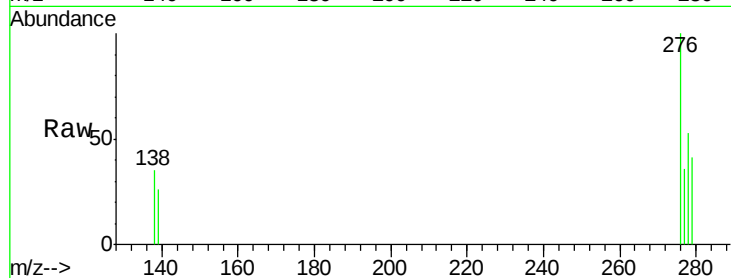
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.03 ng/ul  
 RT: 25.75 min Scan# 2640  
 Delta R.T. -0.00 min  
 Lab File: BM000512.D  
 Acq: 12 Feb 2015 20:49

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4FL2MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.6  | 17.3  | 25.9  |
| 277     | 25.7  | 19.8  | 29.8  |

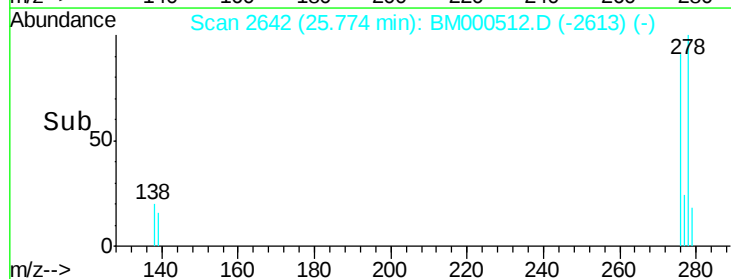
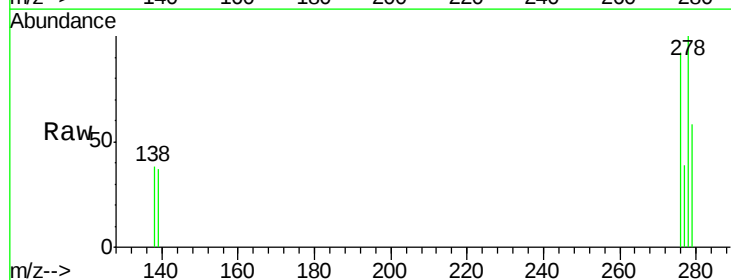
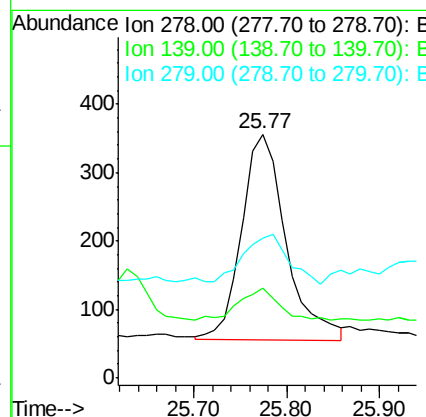
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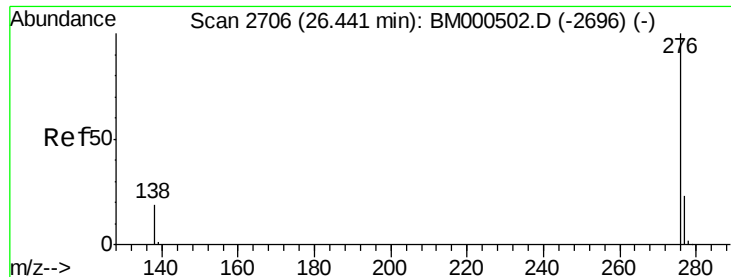
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#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.03 ng/ul m  
 RT: 25.77 min Scan# 2642  
 Delta R.T. -0.00 min  
 Lab File: BM000512.D  
 Acq: 12 Feb 2015 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 36.8  | 12.5  | 18.7# |
| 279     | 57.6  | 22.2  | 33.2# |





#26  
Benzo(g,h,i)perylene  
Concen: 0.03 ng/ul  
RT: 26.44 min Scan# 2706  
Delta R.T. -0.00 min  
Lab File: BM000512.D  
Acq: 12 Feb 2015 20:49

Instrument :  
BNA\_M  
ClientSampleId :  
A4FL2MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 36.7  | 19.2  | 28.8# |
| 138     | 35.0  | 16.0  | 24.0# |

Manual Integrations  
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