

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\  
 Data File : BM001180.D  
 Acq On : 02 May 2015 22:59  
 Operator : TP/IZ  
 Sample : G2058-08MS  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MPE-9MS

Manual Integrations  
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 5/5/2015 8:04:57 AM

Quant Time: May 04 18:06:52 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM050115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 04 16:48:07 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 14740    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.31 | 136  | 60163    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.20 | 164  | 34193    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.94 | 188  | 84085    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.15 | 240  | 71280    | 5.00 | ng    | 0.00     |
| 30) Perylene-d12          | 23.29 | 264  | 55942    | 5.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 5.11  | 112  | 15605    | 5.44  | ng    | -0.01    |
| 5) Phenol-d6                | 6.71  | 99   | 13950    | 3.95  | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.69  | 82   | 32788    | 9.62  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.69 | 330  | 25539    | 15.15 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.81 | 172  | 97016    | 8.58  | ng    | 0.00     |
| 26) Terphenyl-d14           | 19.59 | 244  | 97695    | 9.94  | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane             | 3.01  | 88   | 3908     | 2.94  | ng    | # 65   |
| 3) n-Nitrosodimethylamine  | 3.34  | 42   | 5598     | 3.10  | ng    | 93     |
| 8) Nitrobenzene            | 8.73  | 77   | 37011    | 8.23  | ng    | 93     |
| 9) Naphthalene             | 10.36 | 128  | 109381   | 8.27  | ng    | 99     |
| 10) Hexachlorobutadiene    | 10.65 | 225  | 19720    | 7.73  | ng    | 99     |
| 11) 2-Methylnaphthalene    | 11.98 | 142  | 78274m   | 8.63  | ng    |        |
| 15) Acenaphthylene         | 13.89 | 152  | 143043   | 9.57  | ng    | # 67   |
| 16) Acenaphthene           | 14.24 | 154  | 99684    | 9.65  | ng    | 88     |
| 17) Fluorene               | 15.24 | 166  | 122057   | 10.19 | ng    | 99     |
| 19) Hexachlorobenzene      | 16.26 | 284  | 40393    | 8.91  | ng    | # 98   |
| 20) Pentachlorophenol      | 16.61 | 266  | 52162    | 25.72 | ng    | 96     |
| 21) Phenanthrene           | 16.98 | 178  | 190148   | 8.78  | ng    | 100    |
| 22) Anthracene             | 17.08 | 178  | 175522m  | 9.81  | ng    |        |
| 23) Fluoranthene           | 19.01 | 202  | 216143   | 9.86  | ng    | 99     |
| 25) Pyrene                 | 19.38 | 202  | 225446   | 10.12 | ng    | 99     |
| 27) Benzo(a)anthracene     | 21.13 | 228  | 196512   | 9.78  | ng    | 97     |
| 28) Chrysene               | 21.18 | 228  | 182875   | 9.27  | ng    | 97     |
| 29) Indeno(1,2,3-cd)pyrene | 25.43 | 276  | 140870   | 7.83  | ng    | 99     |
| 31) Benzo(b)fluoranthene   | 22.65 | 252  | 165497   | 9.61  | ng    | 95     |
| 32) Benzo(k)fluoranthene   | 22.69 | 252  | 164681   | 10.21 | ng    | 95     |
| 33) Benzo(a)pyrene         | 23.20 | 252  | 150681   | 10.37 | ng    | 99     |
| 34) Dibenzo(a,h)anthracene | 25.44 | 278  | 113151   | 8.88  | ng    | 97     |
| 35) Benzo(g,h,i)perylene   | 26.09 | 276  | 113806   | 8.46  | ng    | 98     |

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

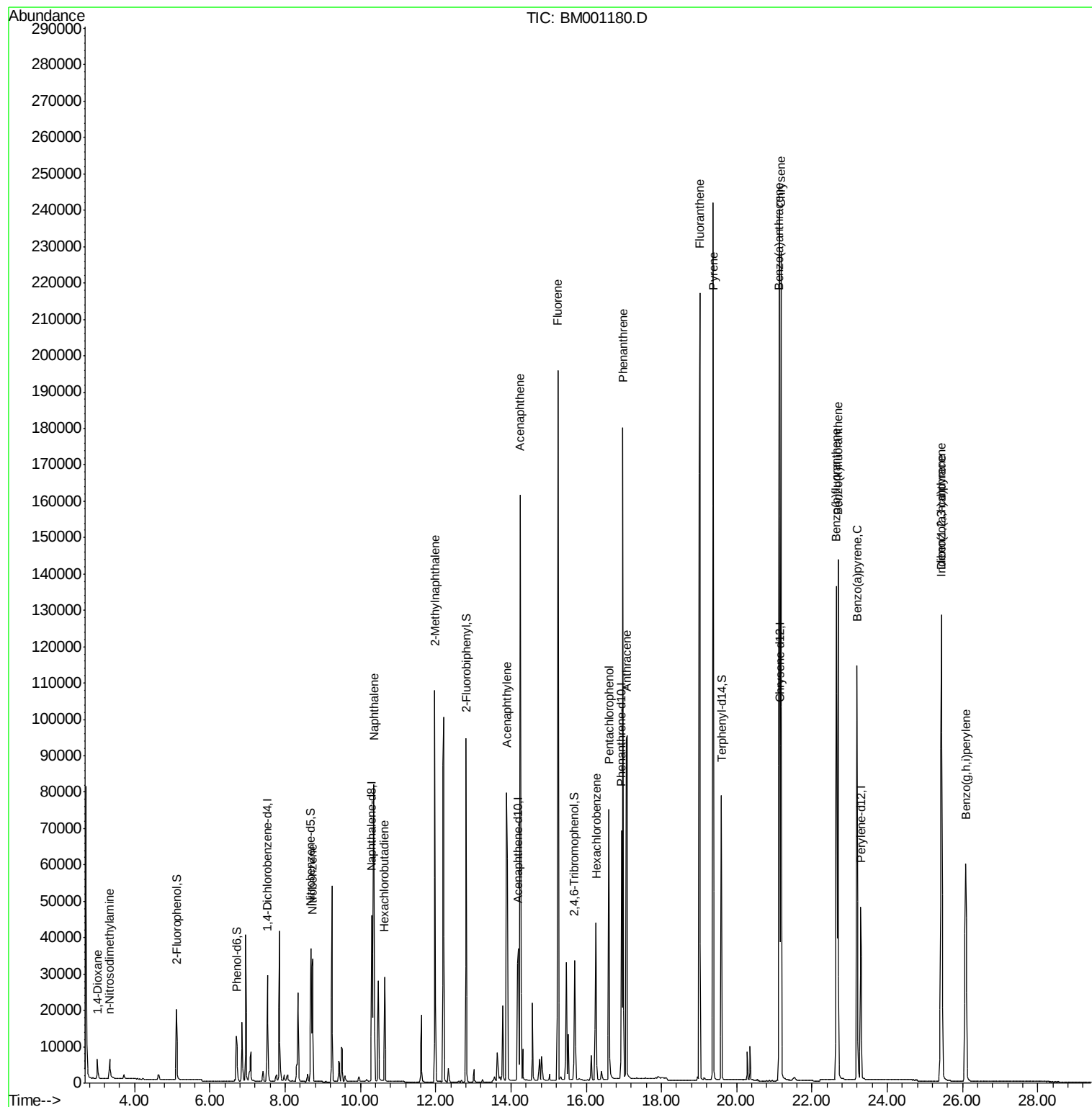
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\  
Data File : BM001180.D  
Acq On : 02 May 2015 22:59  
Operator : TP/IZ  
Sample : G2058-08MS  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

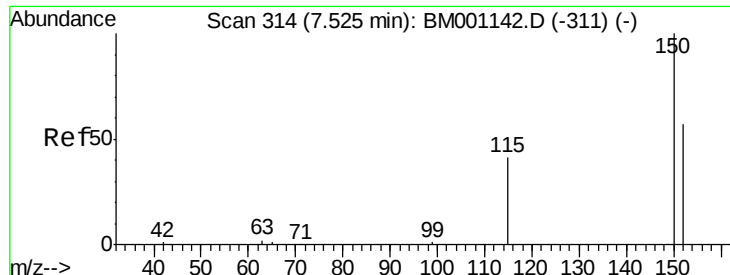
Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

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Quant Time: May 04 18:06:52 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM050115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 04 16:48:07 2015  
Response via : Initial Calibration





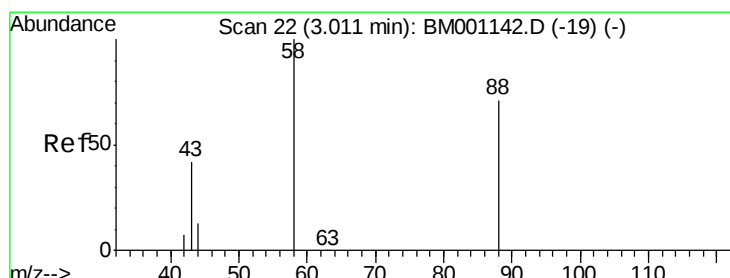
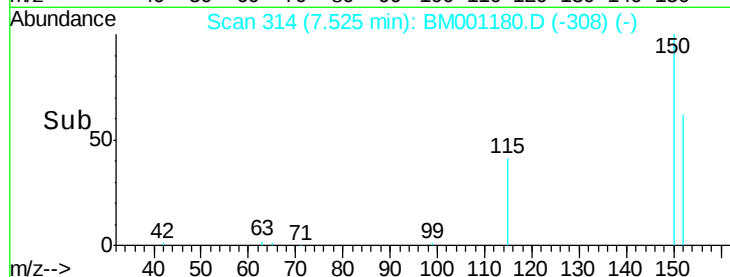
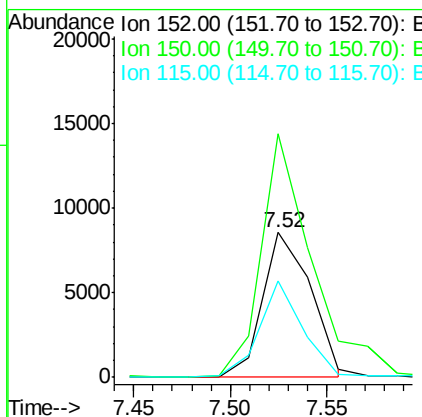
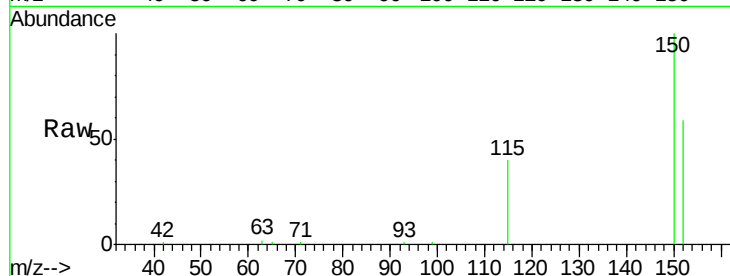
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.52 min Scan# 314  
 Delta R.T. -0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MPE-9MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 168.3 | 140.1 | 210.1 |
| 115     | 66.7  | 57.8  | 86.6  |

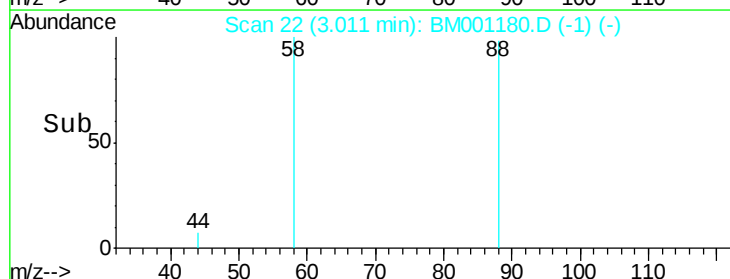
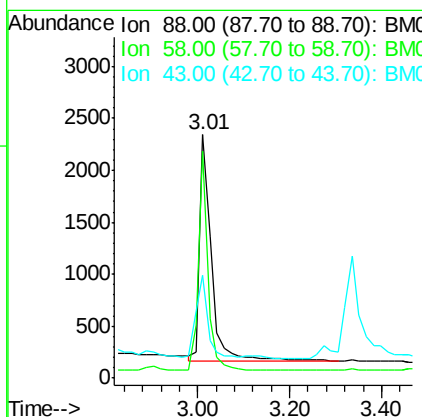
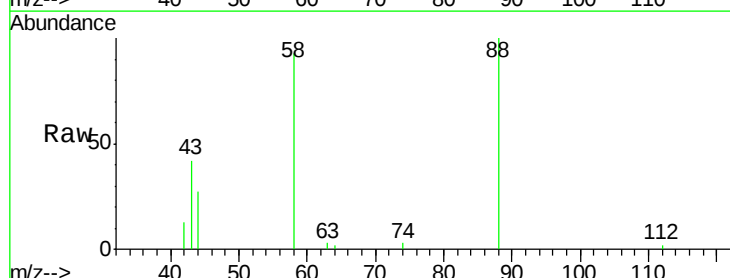
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#2  
 1,4-Dioxane  
 Concen: 2.94 ng  
 RT: 3.01 min Scan# 22  
 Delta R.T. 0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 78.5  | 48.2  | 72.2# |
| 43      | 0.0   | 24.8  | 37.2# |





#3

n-Nitrosodimethylamine

Concen: 3.10 ng

RT: 3.34 min Scan# 43

Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

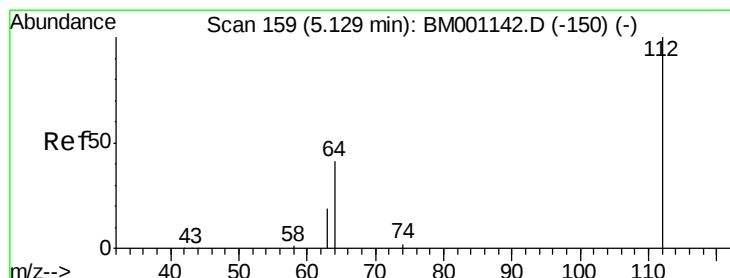
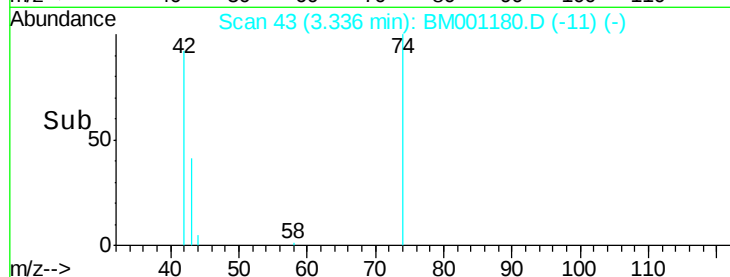
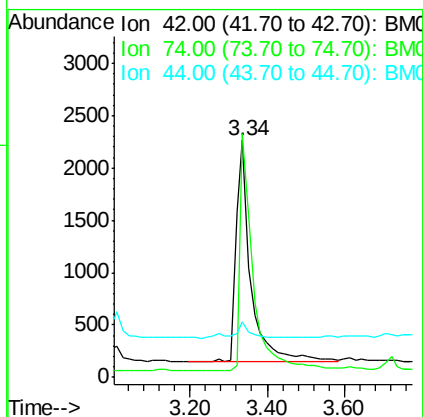
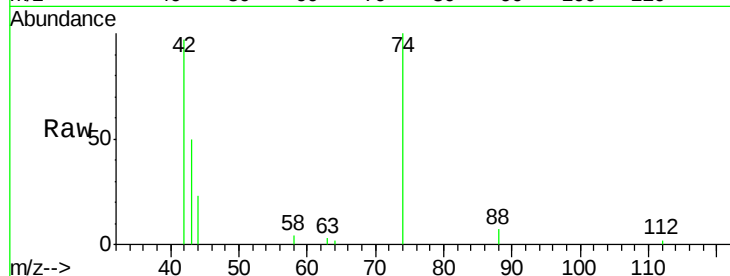
ClientSampleId :

MPE-9MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 5598  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 97.2  | 72.0  | 108.0 |
| 44       | 5.4   | 3.7   | 5.5   |

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#4

2-Fluorophenol

Concen: 5.44 ng

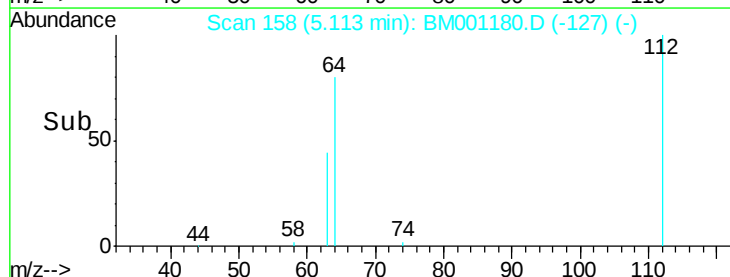
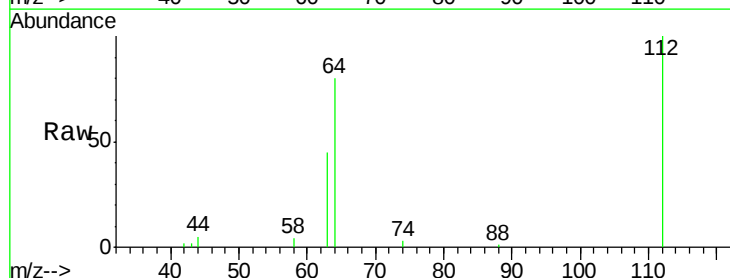
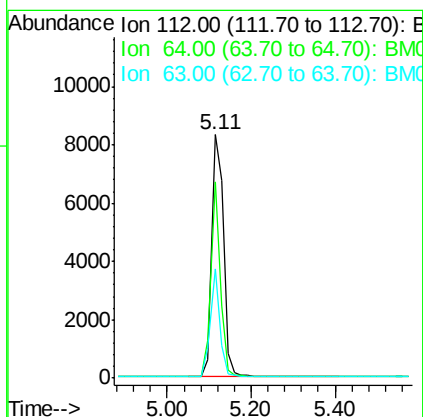
RT: 5.11 min Scan# 158

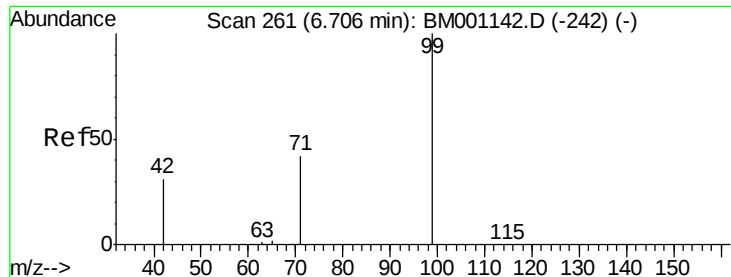
Delta R.T. -0.01 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 15605 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 64.4  | 52.6  | 79.0  |
| 63       | 35.6  | 29.5  | 44.3  |





#5

Phenol-d6

Concen: 3.95 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

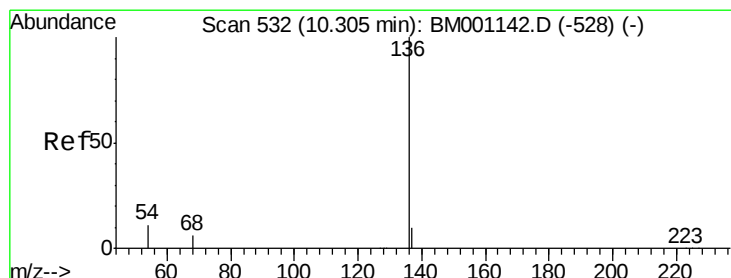
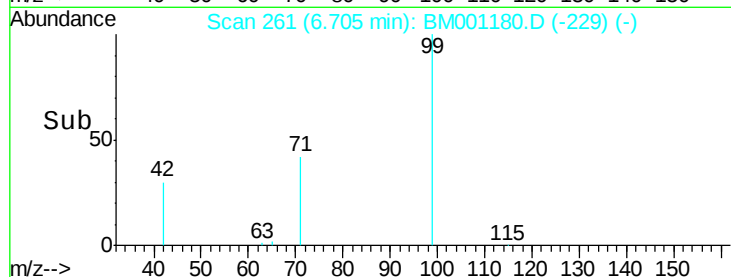
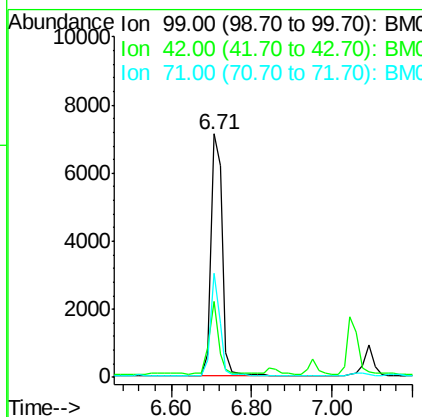
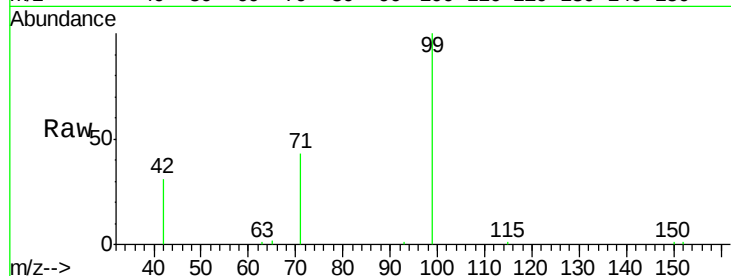
ClientSampleId :

MPE-9MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 13950 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 24.5  | 20.9  | 31.3  |
| 71        | 34.8  | 28.5  | 42.7  |

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#6

Naphthalene-d8

Concen: 5.00 ng

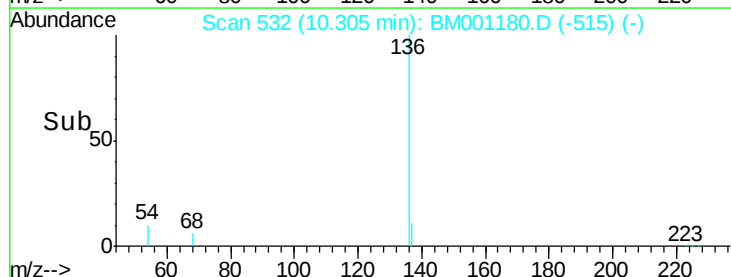
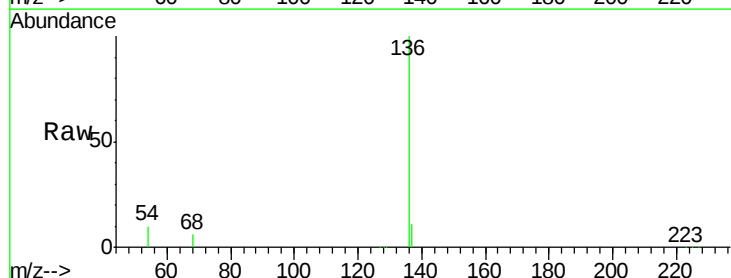
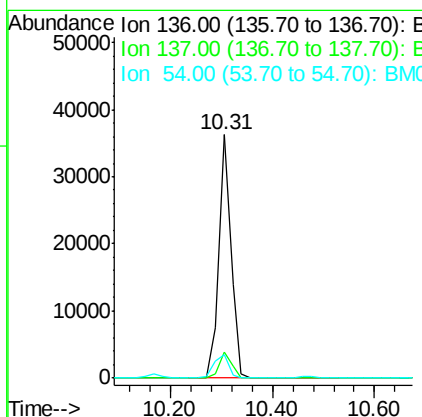
RT: 10.31 min Scan# 532

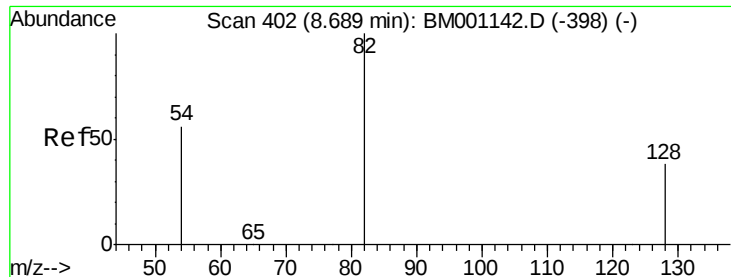
Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 60163 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.7  | 8.2   | 12.4  |
| 54        | 9.7   | 9.0   | 13.4  |





#7

Nitrobenzene-d5

Concen: 9.62 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

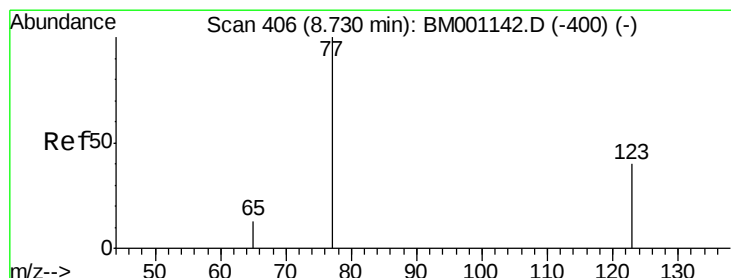
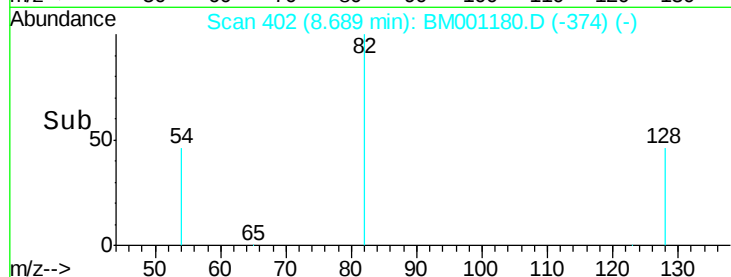
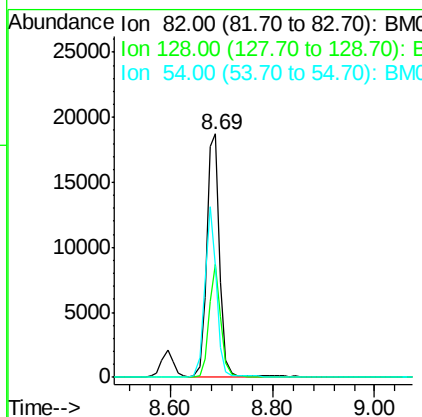
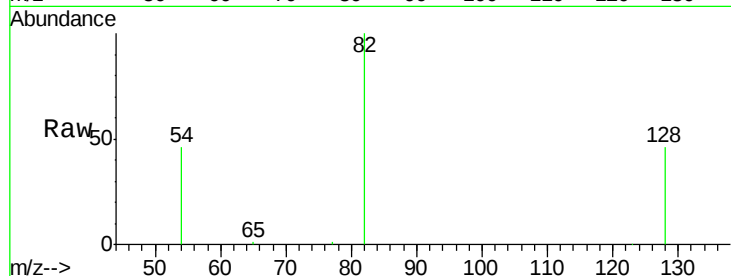
ClientSampled :

MPE-9MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 82    | Resp: | 32788 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 46.3  | 31.9  | 47.9  |
| 54        | 45.7  | 46.2  | 69.2# |

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#8

Nitrobenzene

Concen: 8.23 ng

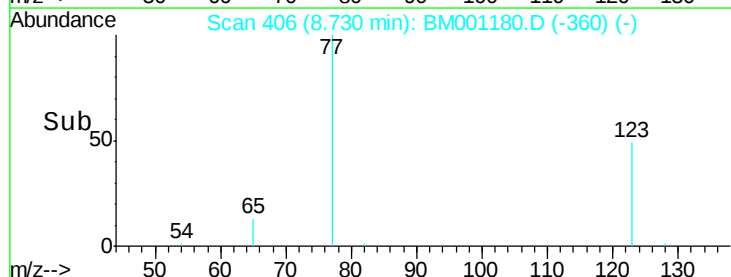
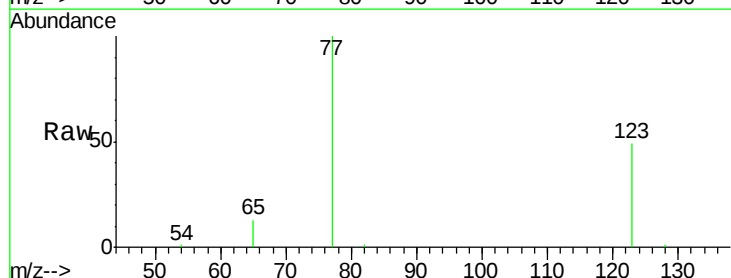
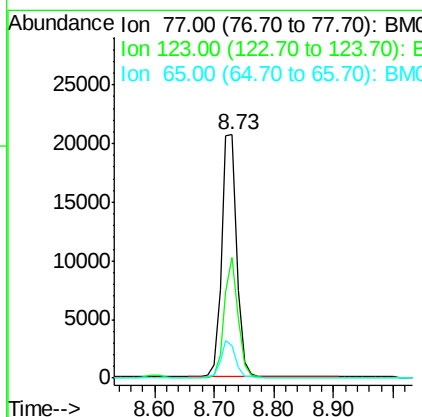
RT: 8.73 min Scan# 406

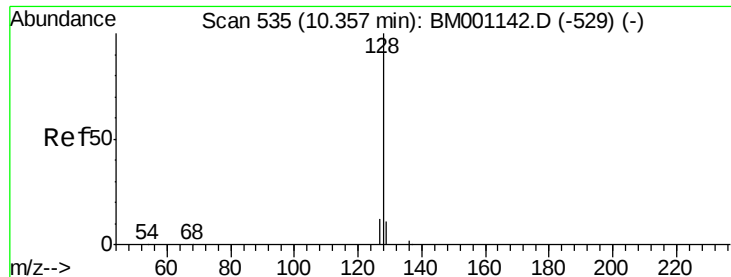
Delta R.T. 0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 37011 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 44.0  | 31.0  | 46.6  |
| 65        | 14.4  | 10.6  | 15.8  |





#9

Naphthalene

Concen: 8.27 ng

RT: 10.36 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

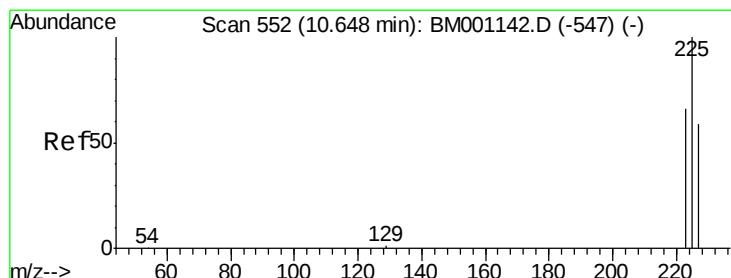
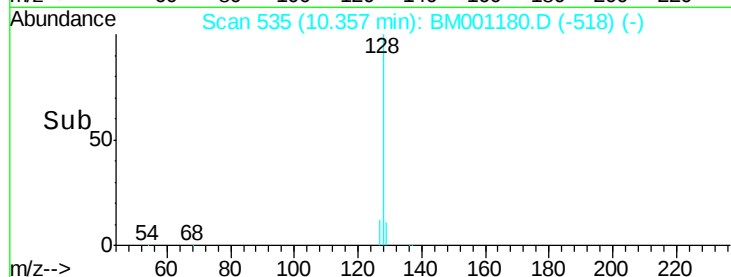
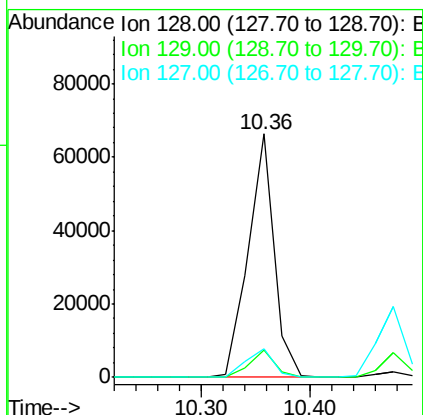
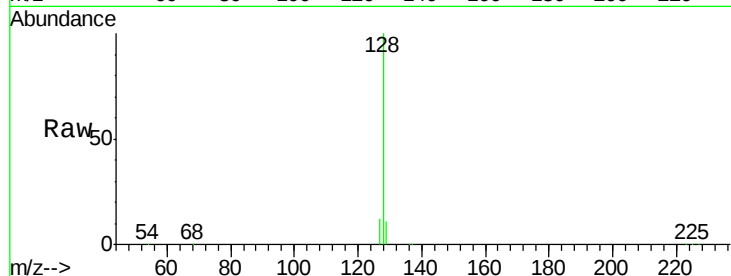
ClientSampleId :

MPE-9MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 109381 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.1  | 9.0   | 13.6   |
| 127       | 12.0  | 10.0  | 15.0   |

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#10

Hexachlorobutadiene

Concen: 7.73 ng

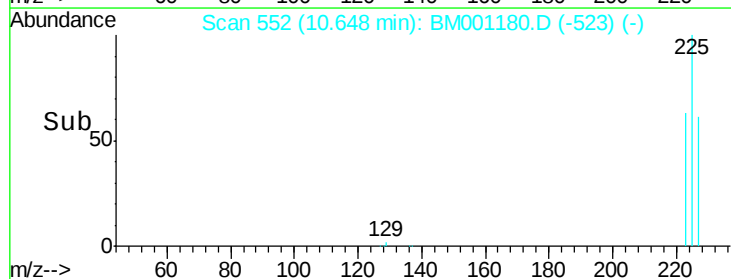
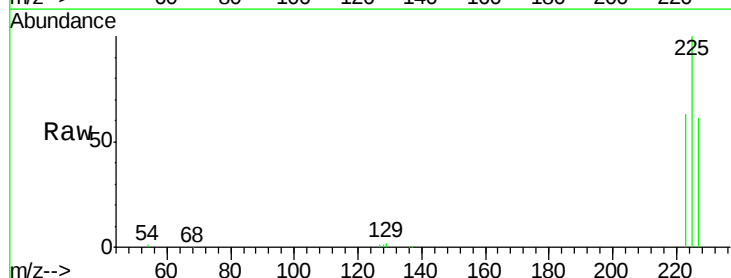
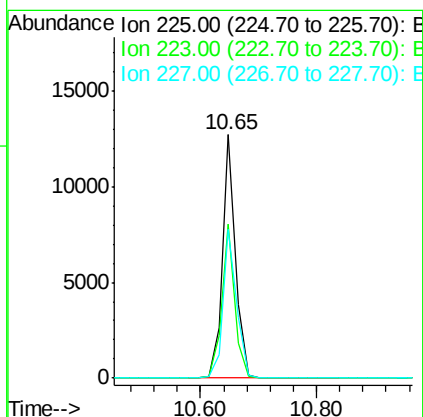
RT: 10.65 min Scan# 552

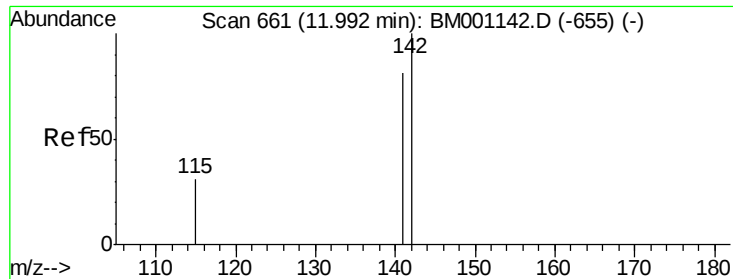
Delta R.T. 0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 19720 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.8  | 50.8  | 76.2  |
| 227       | 63.5  | 51.0  | 76.4  |





#11

2-Methylnaphthalene

Concen: 8.63 ng/mL

RT: 11.98 min Scan# 660

Delta R.T. -0.01 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

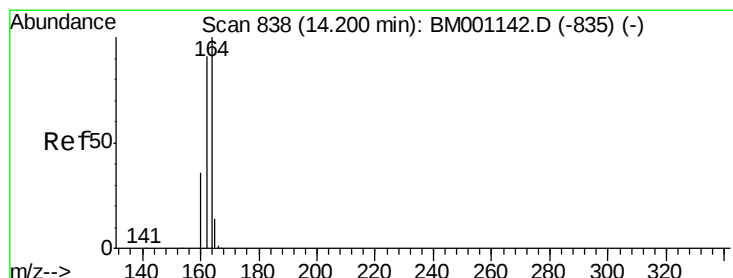
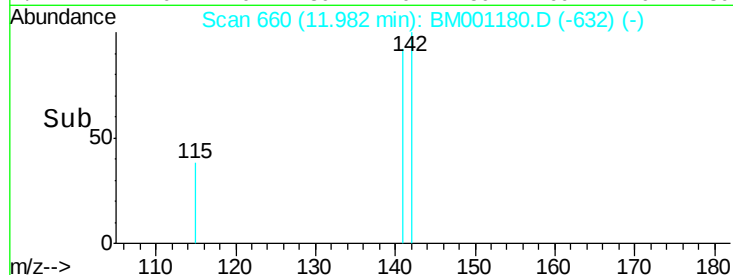
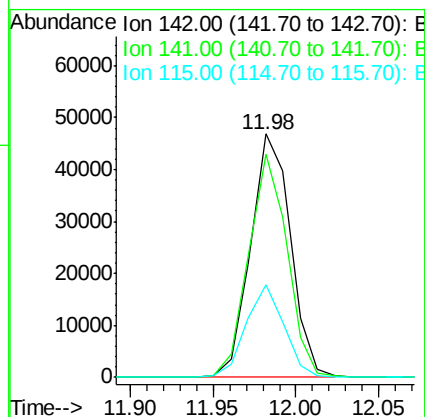
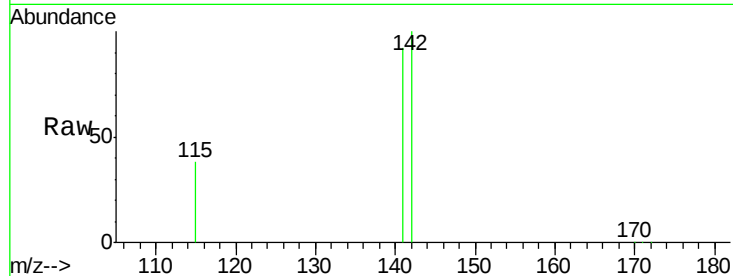
ClientSampleId :

MPE-9MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 142   | Resp: | 78274 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 91.9  | 65.1  | 97.7  |
| 115       | 38.3  | 25.1  | 37.7  |

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#12

Acenaphthene-d10

Concen: 5.00 ng/mL

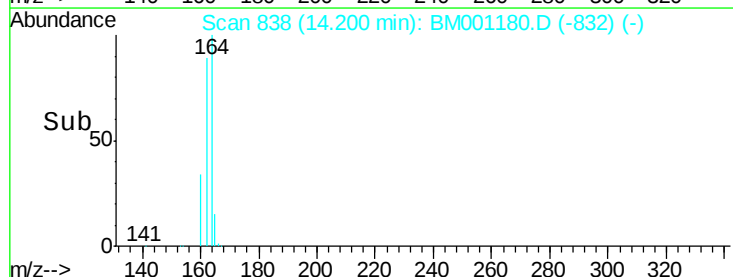
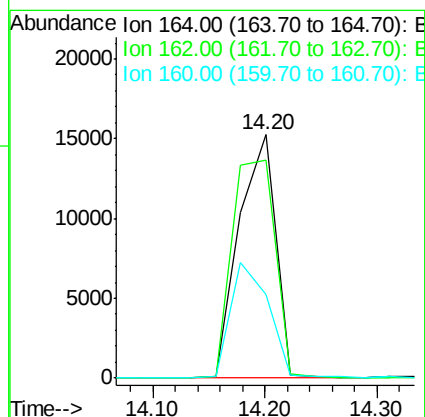
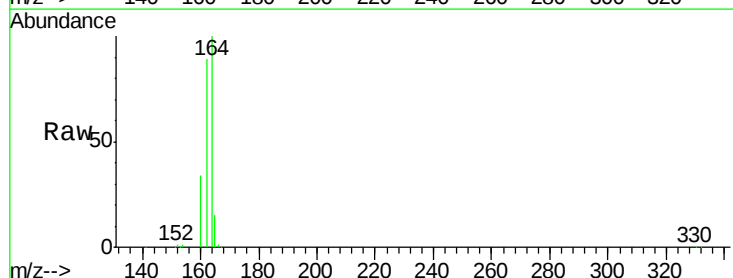
RT: 14.20 min Scan# 838

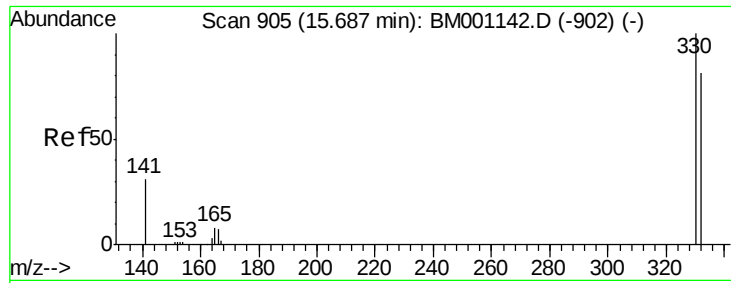
Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 34193 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 89.3  | 72.7  | 109.1 |
| 160       | 34.2  | 28.7  | 43.1  |





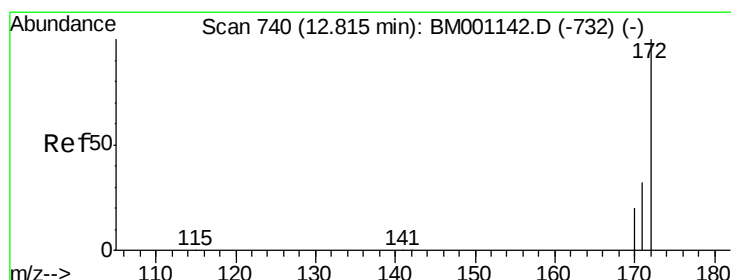
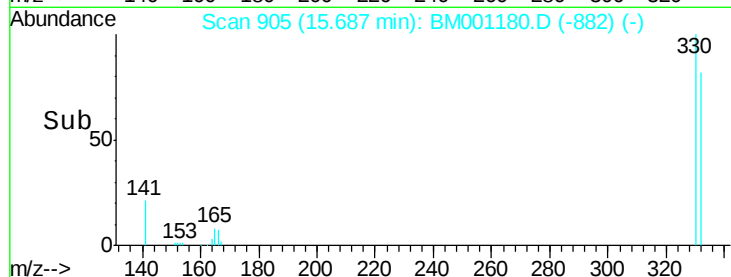
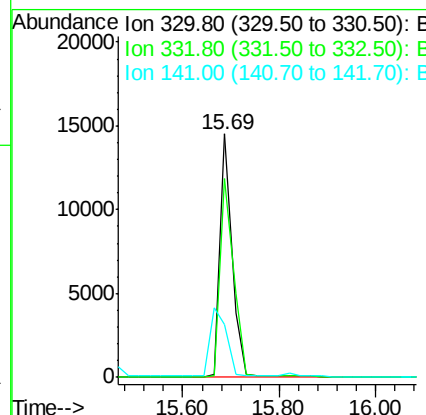
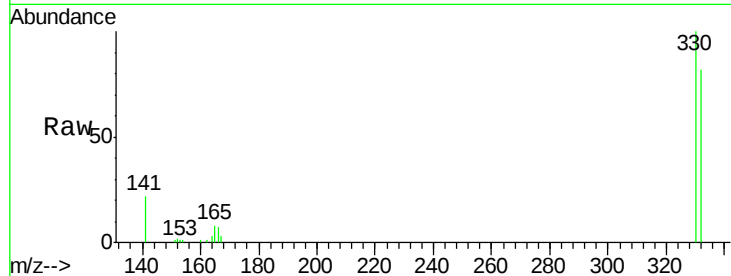
#13  
 2,4,6-Tribromophenol  
 Concen: 15.15 ng  
 RT: 15.69 min Scan# 905  
 Delta R.T. 0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MPE-9MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.1  | 74.5  | 111.7 |
| 141     | 0.0   | 21.0  | 31.4  |

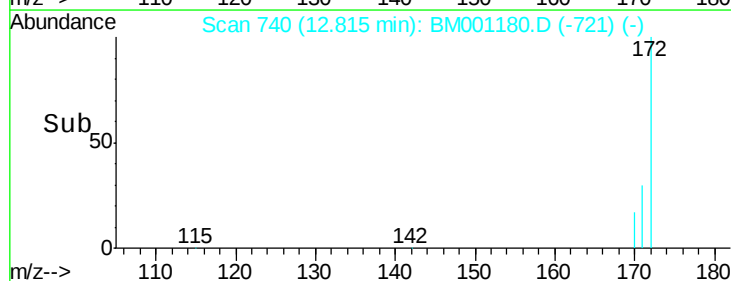
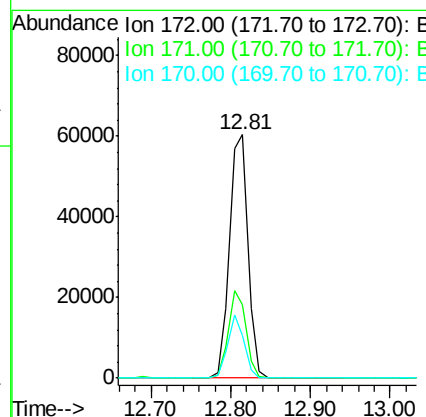
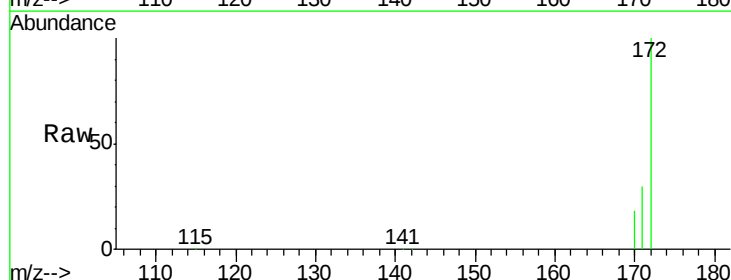
Manual Integrations  
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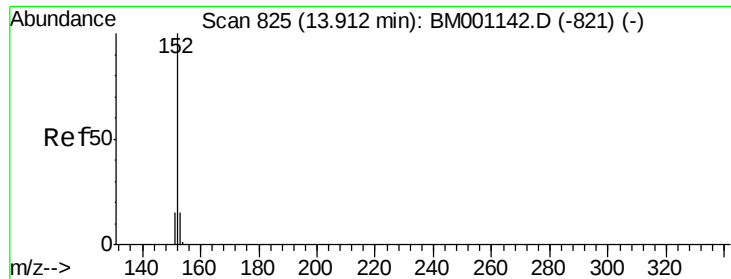
apatel  
 5/5/2015 8:04:57 AM



#14  
 2-Fluorobiphenyl  
 Concen: 8.58 ng  
 RT: 12.81 min Scan# 740  
 Delta R.T. -0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 30.3  | 25.8  | 38.6  |
| 170     | 17.6  | 16.1  | 24.1  |





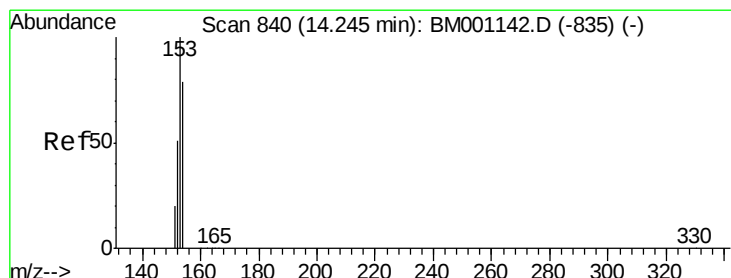
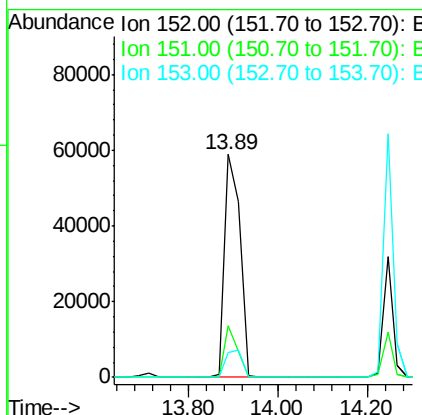
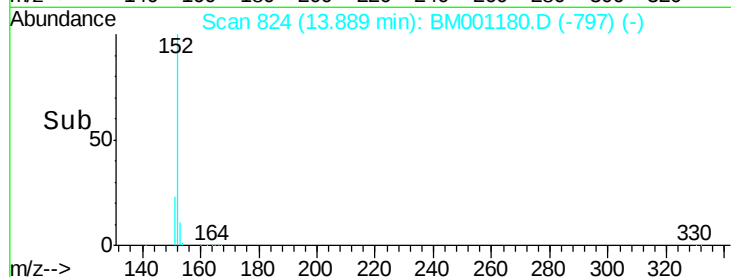
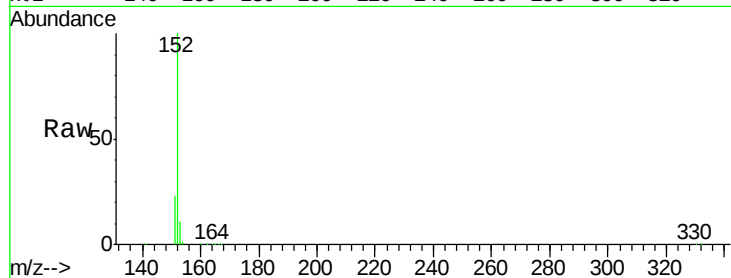
#15  
Acenaphthylene  
Concen: 9.57 ng  
RT: 13.89 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 0.0   | 0.0#  |
| 153     | 0.0   | 10.3  | 15.5# |

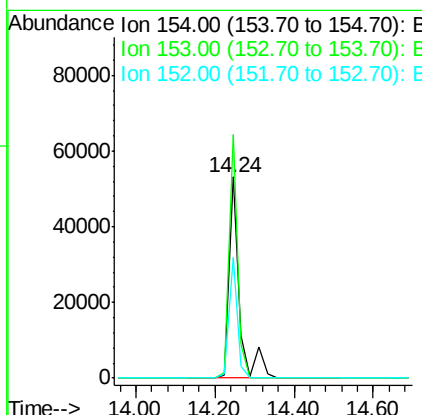
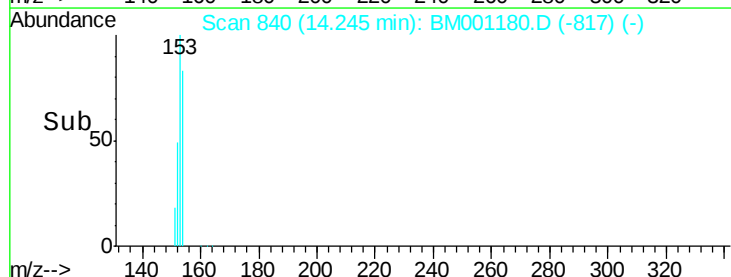
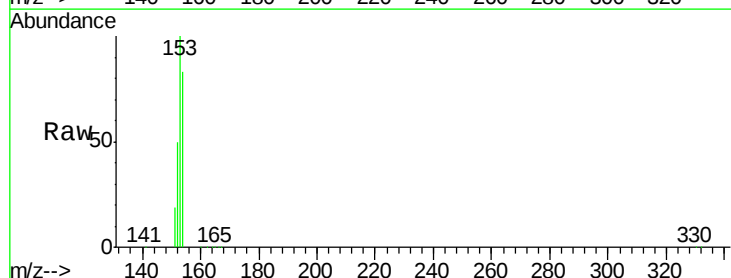
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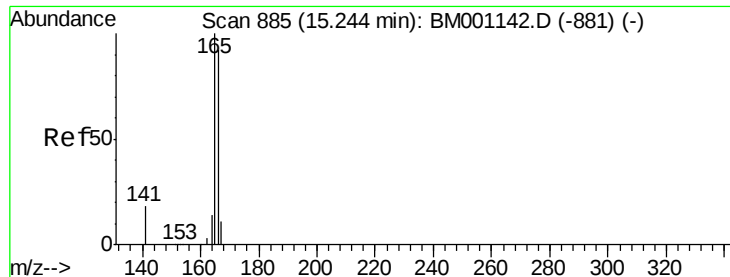
apatel  
5/5/2015 8:04:57 AM



#16  
Acenaphthene  
Concen: 9.65 ng  
RT: 14.24 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 99.9  | 90.6  | 136.0 |
| 152     | 48.3  | 45.0  | 67.4  |





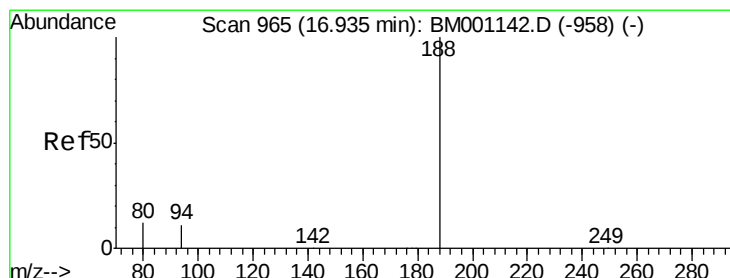
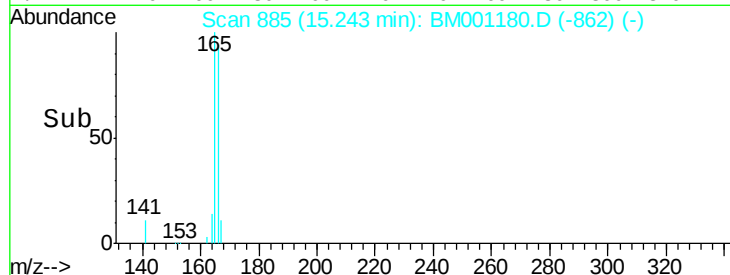
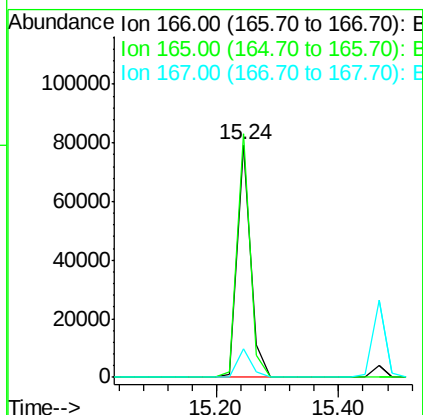
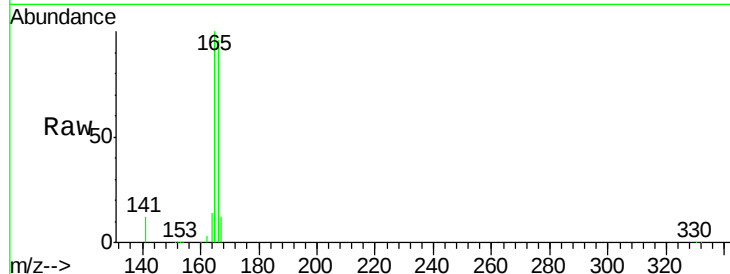
#17  
**Fluorene**  
 Concen: 10.19 ng  
 RT: 15.24 min Scan# 885  
 Delta R.T. -0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MPE-9MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 122057 |       |       |
| 165     | 100.7 | 81.0   | 121.6 |       |
| 167     | 12.7  | 10.4   | 15.6  |       |

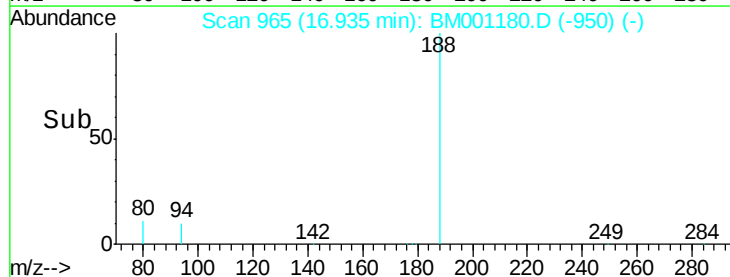
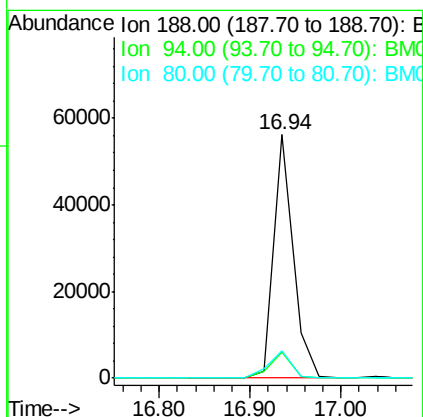
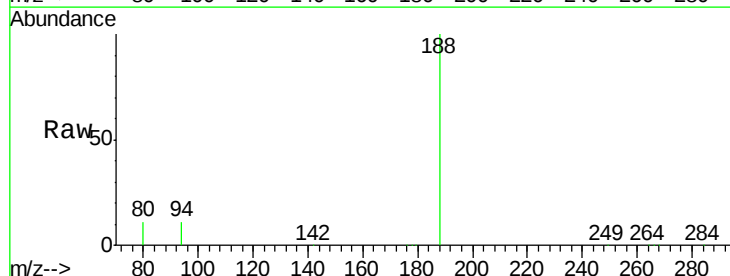
Manual Integrations  
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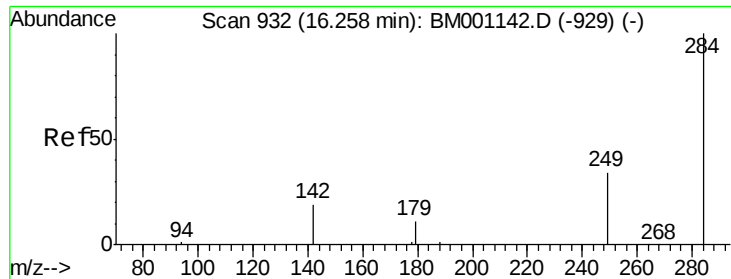
apatel  
 5/5/2015 8:04:57 AM



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.94 min Scan# 965  
 Delta R.T. -0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 84085 |       |       |
| 94      | 10.7  | 9.3   | 13.9  |       |
| 80      | 11.1  | 9.8   | 14.6  |       |





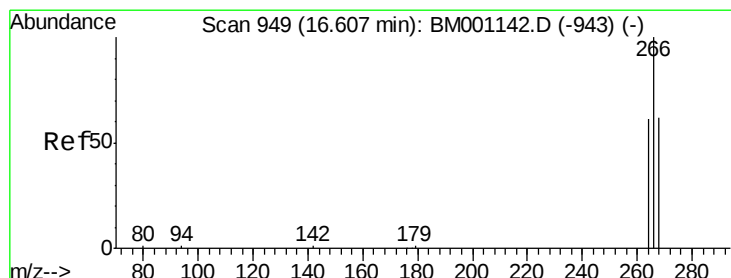
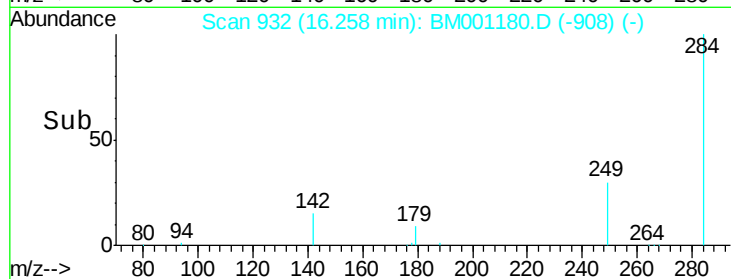
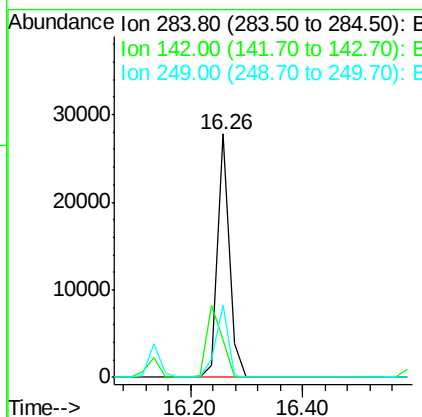
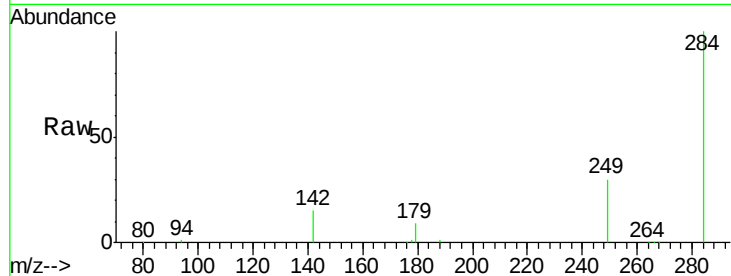
#19  
Hexachlorobenzene  
Concen: 8.91 ng  
RT: 16.26 min Scan# 932  
Delta R.T. -0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 40393 |       |       |
| 142     | 0.0   | 0.0   | 0.0   | 0.0   |
| 249     | 31.8  | 26.5  | 39.7  |       |

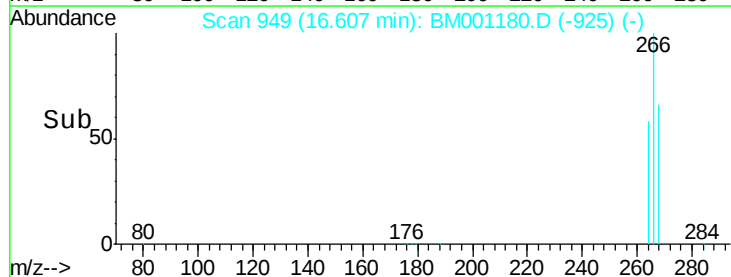
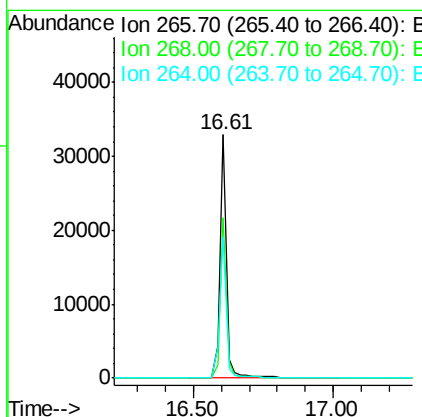
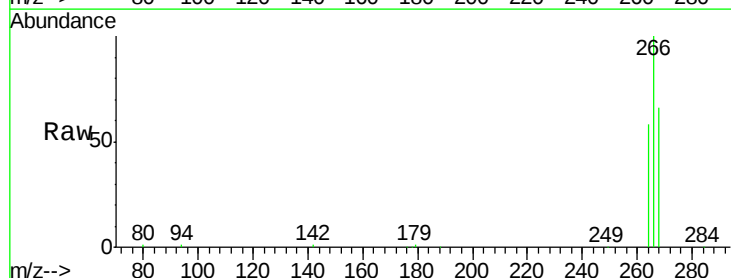
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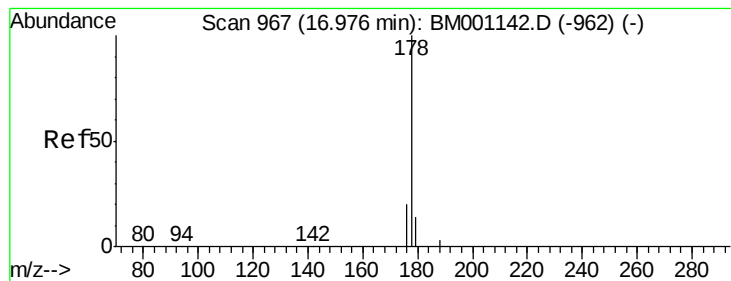
apatel  
5/5/2015 8:04:57 AM



#20  
Pentachlorophenol  
Concen: 25.72 ng  
RT: 16.61 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 52162 |       |       |
| 268     | 66.1  | 52.6  | 79.0  |       |
| 264     | 58.2  | 51.0  | 76.4  |       |





#21

Phenanthrene

Concen: 8.78 ng

RT: 16.98 min Scan# 967

Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

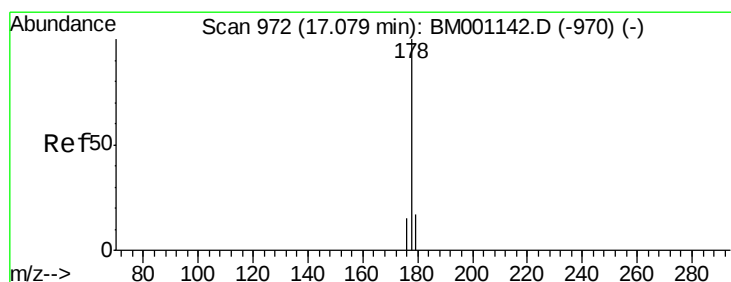
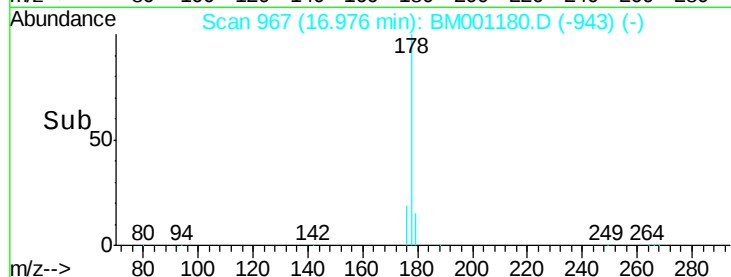
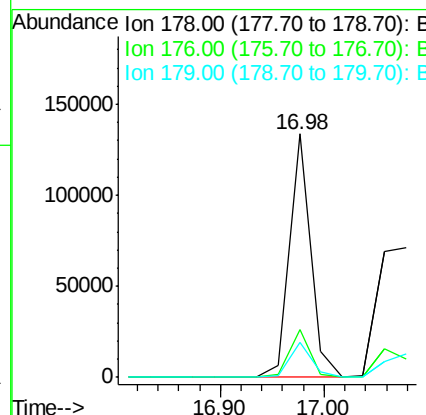
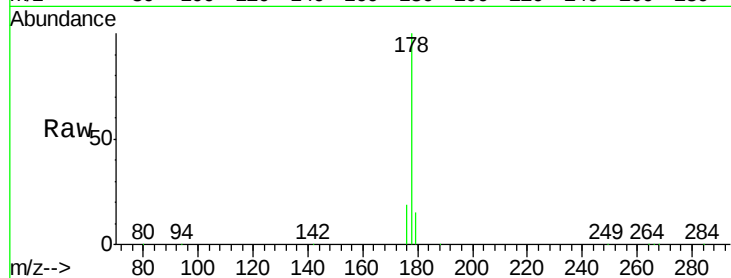
ClientSampleId :

MPE-9MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 190148 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.2  | 15.5  | 23.3   |
| 179       | 15.0  | 12.0  | 18.0   |

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#22

Anthracene

Concen: 9.81 ng m

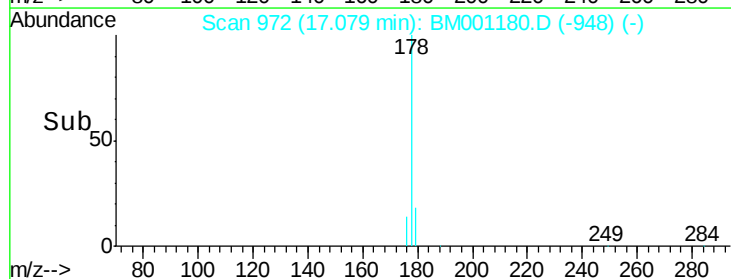
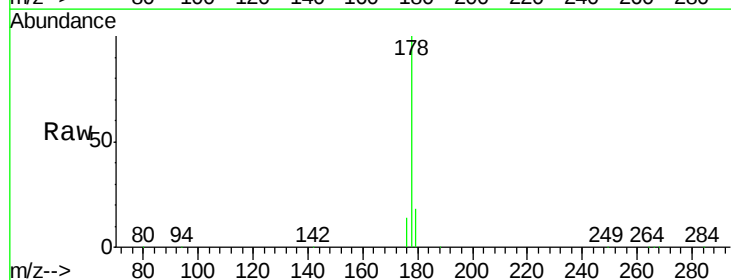
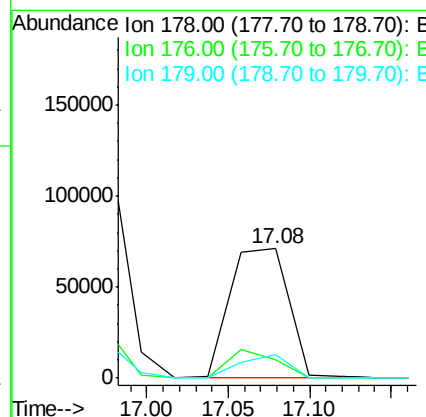
RT: 17.08 min Scan# 972

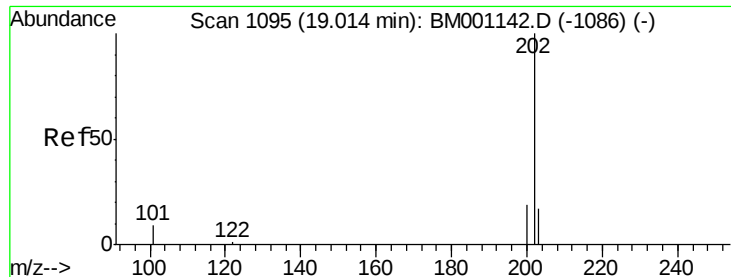
Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 175522 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.8  | 14.3  | 21.5   |
| 179       | 16.2  | 12.2  | 18.2   |





#23

Fluoranthene

Concen: 9.86 ng

RT: 19.01 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

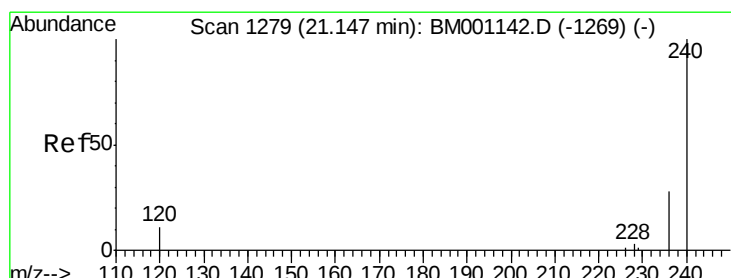
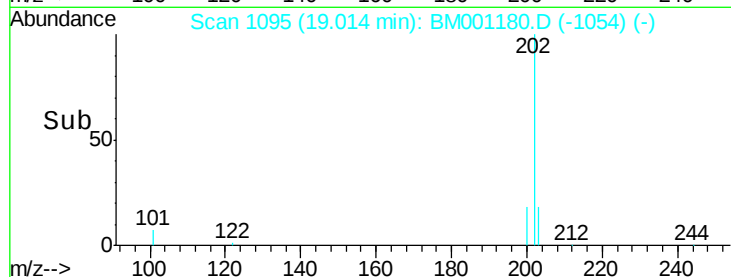
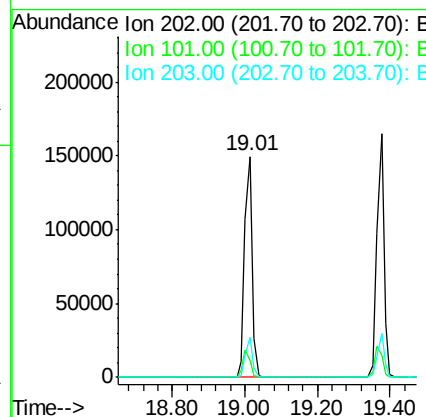
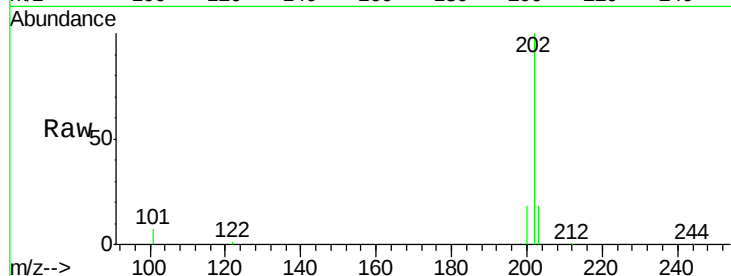
ClientSampleId :

MPE-9MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 216143 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.8  | 9.3   | 13.9   |
| 203       | 17.4  | 13.7  | 20.5   |

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#24

Chrysene-d12

Concen: 5.00 ng

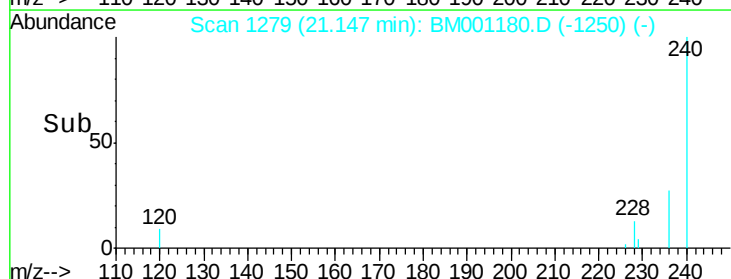
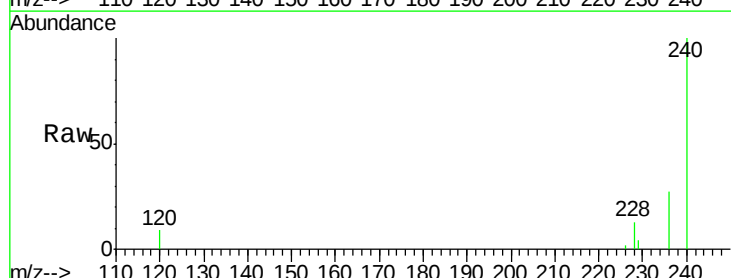
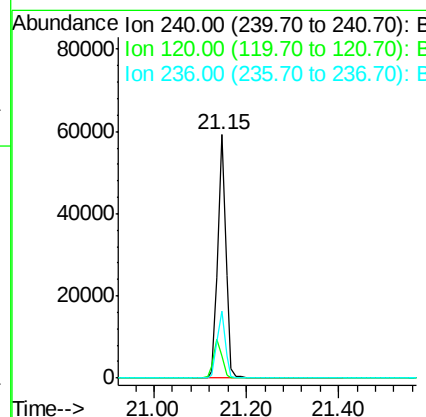
RT: 21.15 min Scan# 1279

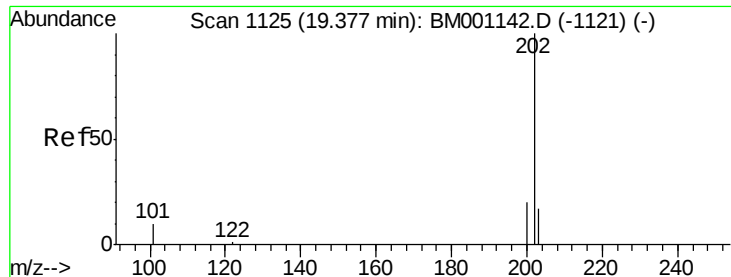
Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 71280 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 9.2   | 9.2   | 13.8  |
| 236       | 27.4  | 22.4  | 33.6  |





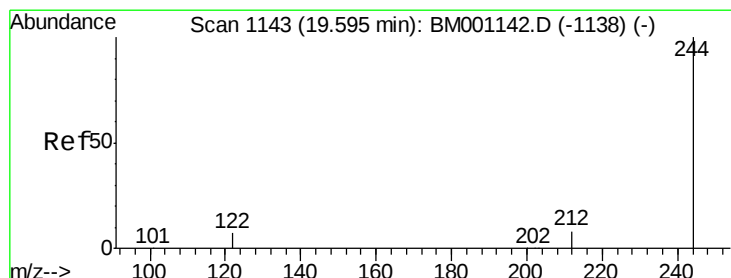
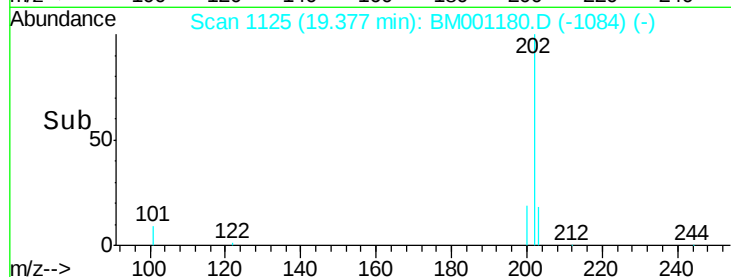
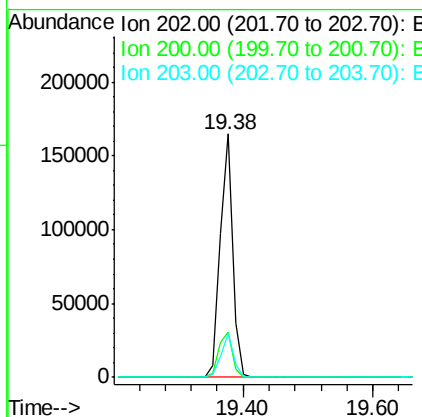
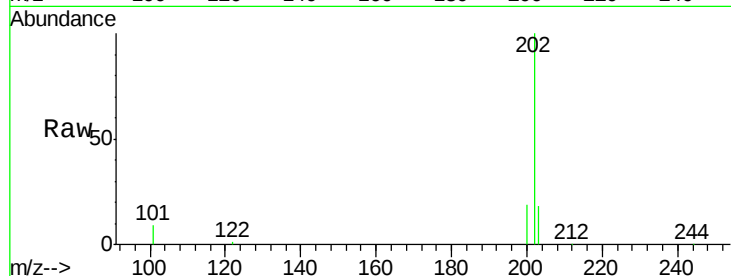
#25  
Pvrene  
Concen: 10.12 ng  
RT: 19.38 min Scan# 1125  
Delta R.T. -0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 225446 |       |       |
| 200     | 20.3  |        | 16.4  | 24.6  |
| 203     | 17.8  |        | 13.8  | 20.6  |

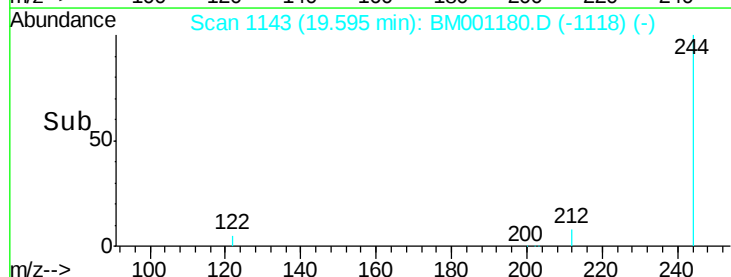
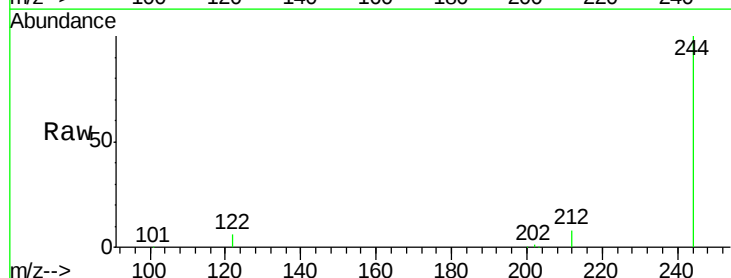
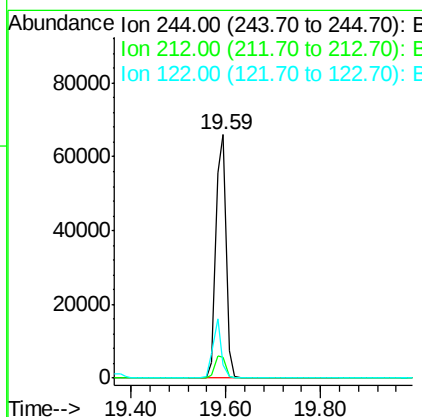
Manual Integrations  
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#26  
Terphenyl-d14  
Concen: 9.94 ng  
RT: 19.59 min Scan# 1143  
Delta R.T. -0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 244     | 100   | 97695 |       |       |
| 212     | 8.3   |       | 7.1   | 10.7  |
| 122     | 5.6   |       | 6.2   | 9.4#  |





#27

Benzo(a)anthracene

Concen: 9.78 ng

RT: 21.13 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BM001180.D

Acq: 02 May 2015 22:59

Instrument :

BNA\_M

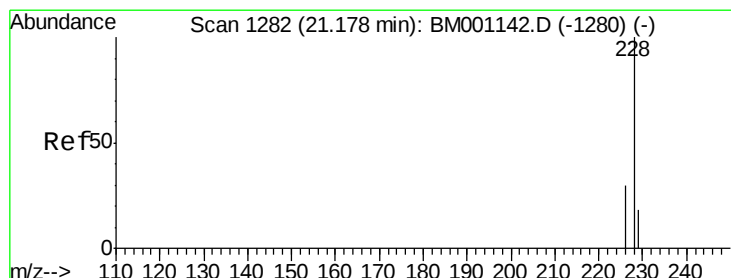
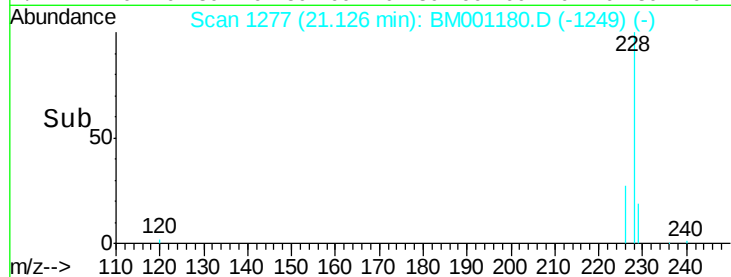
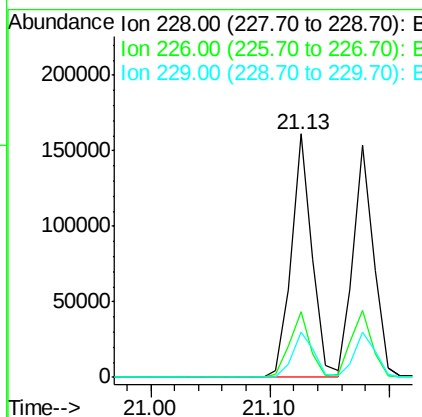
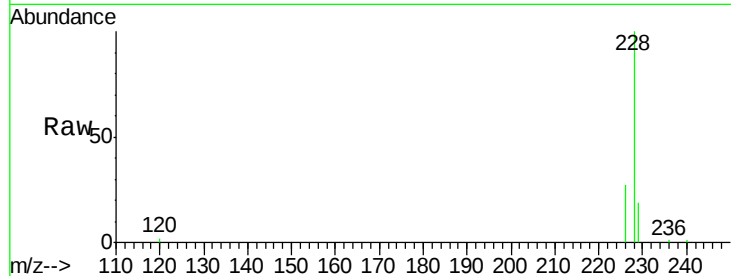
ClientSampleId :

MPE-9MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 196512 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 26.9  | 22.8  | 34.2   |
| 229       | 18.7  | 14.4  | 21.6   |

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#28

Chrysene

Concen: 9.27 ng

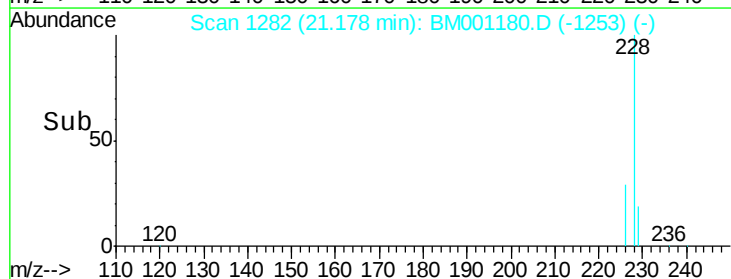
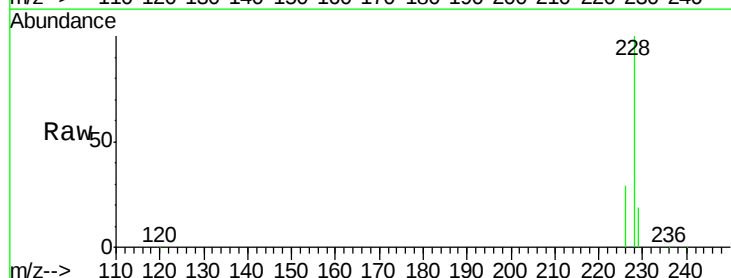
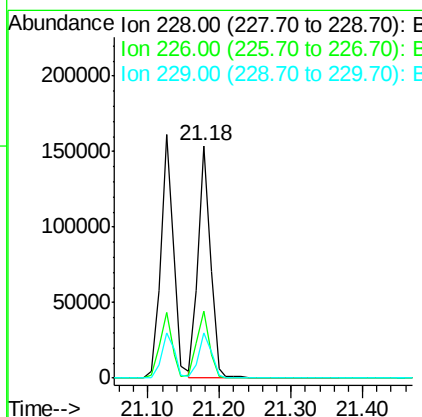
RT: 21.18 min Scan# 1282

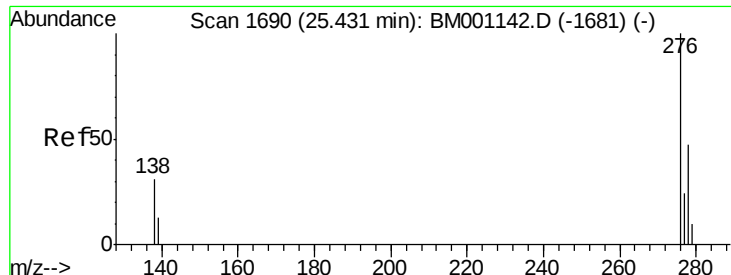
Delta R.T. -0.00 min

Lab File: BM001180.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 182875 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.7  | 24.4  | 36.6   |
| 229       | 19.2  | 14.3  | 21.5   |





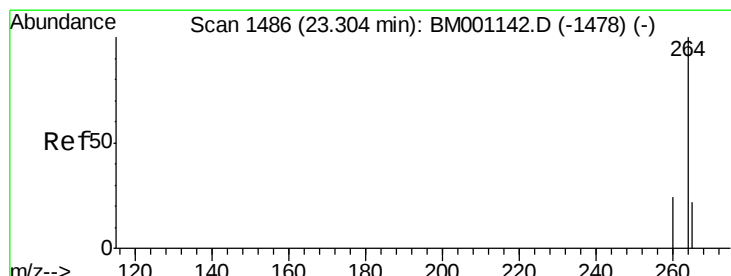
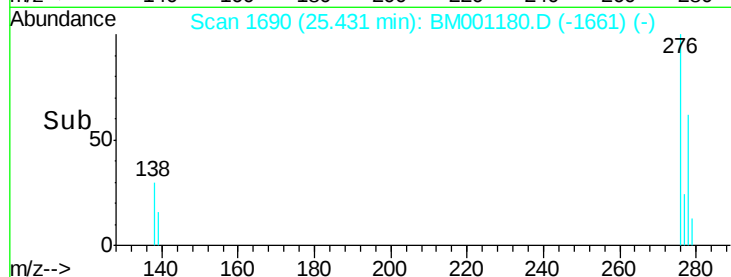
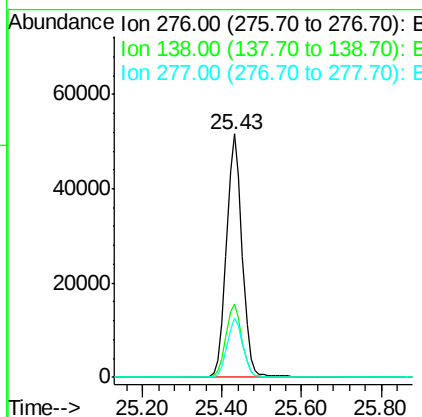
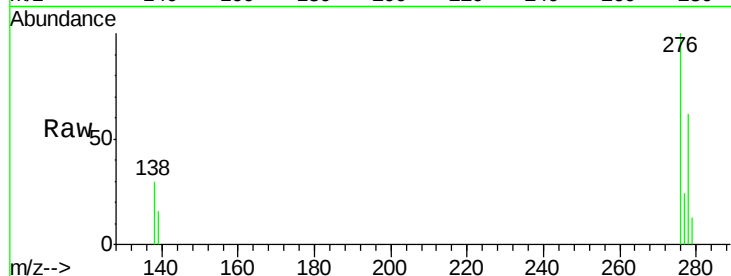
#29  
Indeno(1,2,3-cd)pyrene  
Concen: 7.83 ng  
RT: 25.43 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.8  | 24.2  | 36.4  |
| 277     | 24.5  | 19.8  | 29.6  |

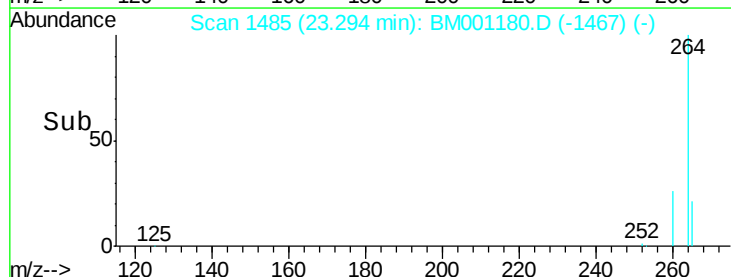
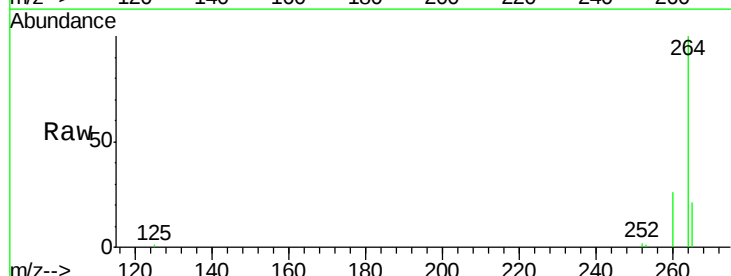
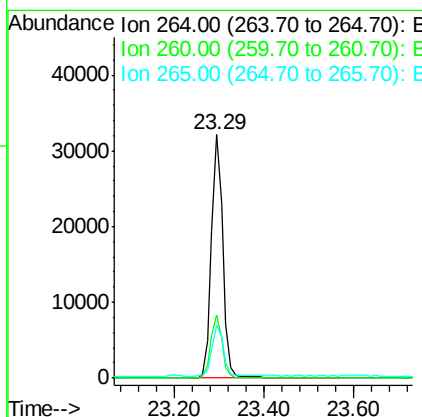
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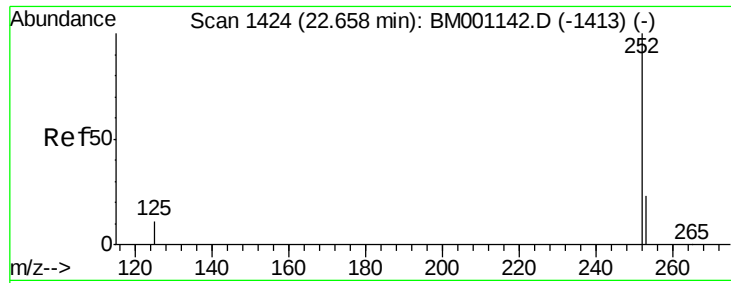
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#30  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.29 min Scan# 1485  
Delta R.T. -0.01 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 18.9  | 28.3  |
| 265     | 21.5  | 18.1  | 27.1  |





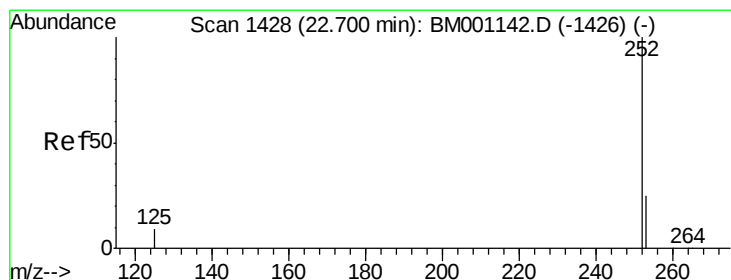
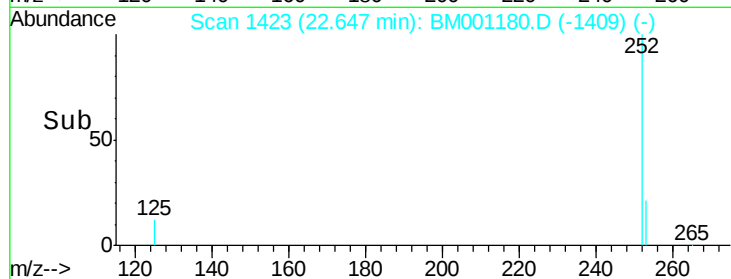
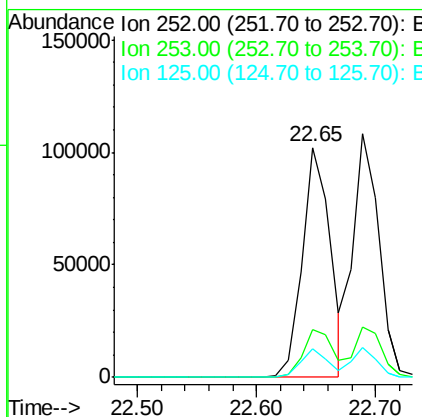
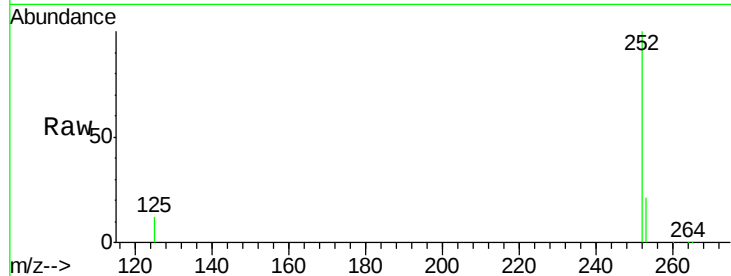
#31  
Benzo(b)fluoranthene  
Concen: 9.61 ng  
RT: 22.65 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 20.9  | 19.0       | 28.4  |
| 125     | 12.4  | 9.1        | 13.7  |

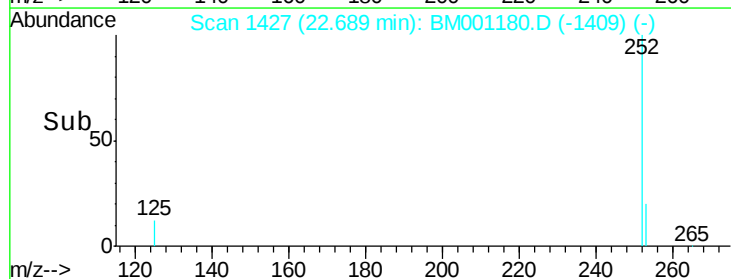
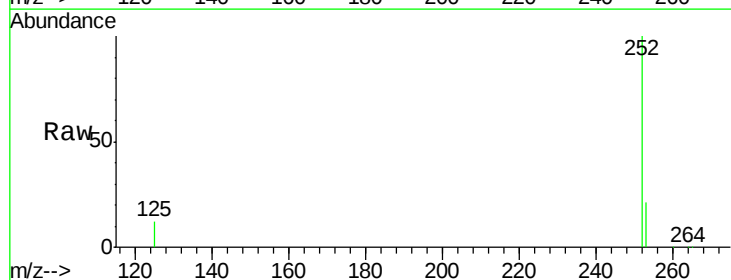
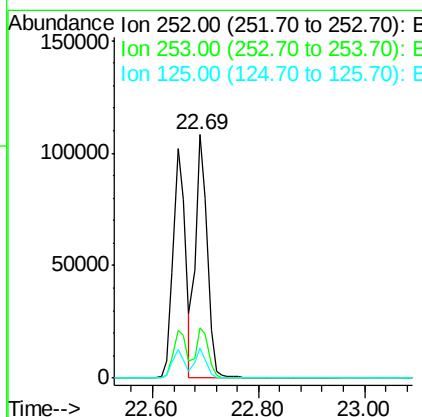
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#32  
Benzo(k)fluoranthene  
Concen: 10.21 ng  
RT: 22.69 min Scan# 1427  
Delta R.T. -0.01 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 20.5  | 19.1       | 28.7  |
| 125     | 12.2  | 9.3        | 13.9  |





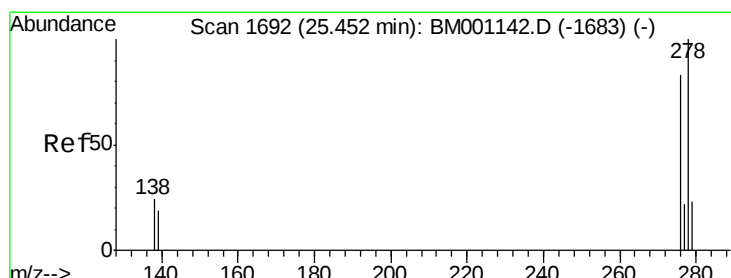
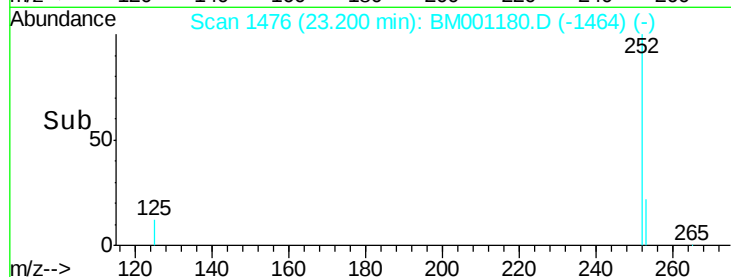
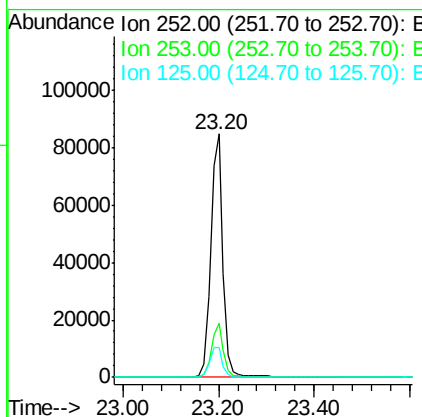
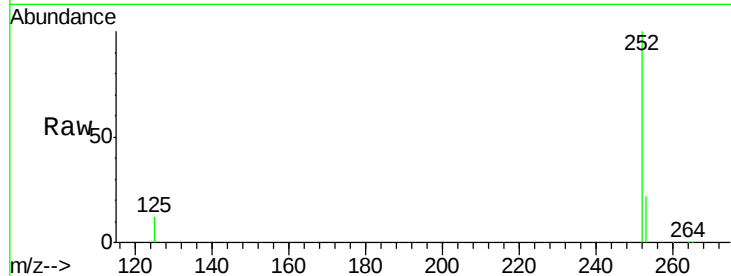
#33  
Benzo(a)pyrene  
Concen: 10.37 ng  
RT: 23.20 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

Instrument :  
BNA\_M  
ClientSampleId :  
MPE-9MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 150681 |       |       |
| 253     | 22.3  | 18.2   | 27.2  |       |
| 125     | 12.3  | 10.6   | 16.0  |       |

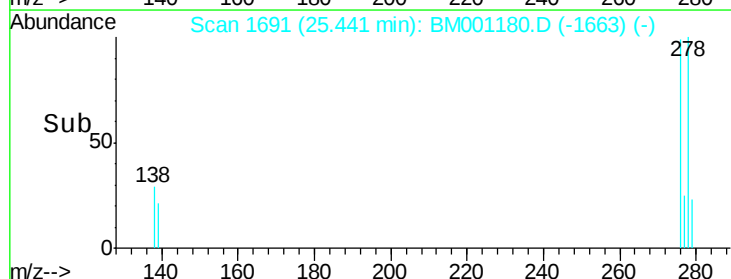
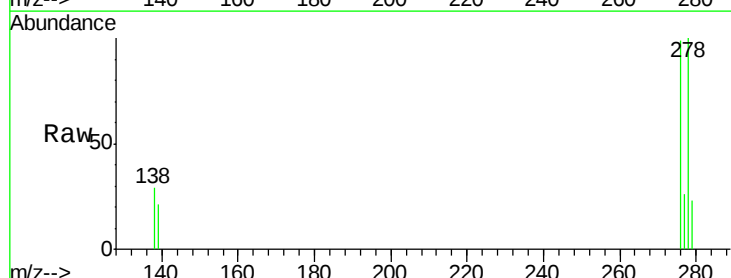
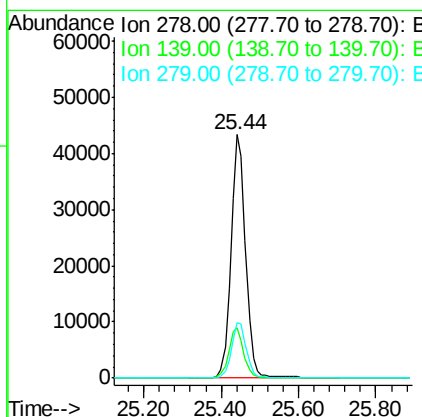
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#34  
Dibenzo(a,h)anthracene  
Concen: 8.88 ng  
RT: 25.44 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: BM001180.D  
Acq: 02 May 2015 22:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 113151 |       |       |
| 139     | 20.7  | 15.5   | 23.3  |       |
| 279     | 23.0  | 19.7   | 29.5  |       |





#35  
 Benzo(a,h,i)perylene  
 Concen: 8.46 ng  
 RT: 26.09 min Scan# 1753  
 Delta R.T. -0.00 min  
 Lab File: BM001180.D  
 Acq: 02 May 2015 22:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MPE-9MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 19.0  | 28.4  |
| 138     | 25.0  | 21.3  | 31.9  |

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