

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\  
 Data File : BE092100.D  
 Acq On : 1 Aug 2016 20:20  
 Operator : UM/SJ  
 Sample : H4107-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TILCON-MH-SF-004MS

Manual Integrations  
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 8/2/2016 5:08:53 PM

Quant Time: Aug 02 01:19:48 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 17:22:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 13871    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8         | 10.97 | 136  | 62416    | 5.00 | ng    | 0.00     |
| 15) Acenaphthene-d10      | 14.86 | 164  | 34830    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10      | 17.58 | 188  | 114749   | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12          | 21.74 | 240  | 121787   | 5.00 | ng    | 0.00     |
| 40) Perylene-d12          | 24.15 | 264  | 114834   | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol        | 5.70  | 112 | 29084 | 7.66 | ng | 0.00  |
| 5) Phenol-d6             | 7.33  | 99  | 41823 | 7.89 | ng | 0.00  |
| 9) Nitrobenzene-d5       | 9.35  | 82  | 22140 | 4.55 | ng | 0.00  |
| 16) 2,4,6-Tribromophenol | 16.32 | 330 | 13737 | 5.97 | ng | -0.02 |
| 17) 2-Fluorobiphenyl     | 13.46 | 172 | 50644 | 3.76 | ng | 0.00  |
| 34) Terphenyl-d14        | 20.18 | 244 | 49791 | 4.29 | ng | -0.03 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.44  | 88  | 5524    | 3.20  | ng | # 91   |
| 3) n-Nitrosodimethylamine      | 3.78  | 42  | 9515    | 3.73  | ng | # 93   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 16188   | 3.78  | ng | 98     |
| 7) n-Nitroso-di-n-propylamine  | 8.98  | 70  | 14501   | 3.56  | ng | 98     |
| 10) Nitrobenzene               | 9.38  | 77  | 19948   | 3.85  | ng | 97     |
| 11) bis(2-Chloroethoxy)methane | 10.40 | 93  | 20817   | 3.74  | ng | 99     |
| 12) Naphthalene                | 11.02 | 128 | 52874   | 3.68  | ng | # 96   |
| 13) Hexachlorobutadiene        | 11.32 | 225 | 8478    | 3.62  | ng | # 96   |
| 14) 2-Methylnaphthalene        | 12.65 | 142 | 38197   | 3.96  | ng | 98     |
| 18) Acenaphthylene             | 14.59 | 152 | 210429  | 2.73  | ng | # 94   |
| 19) 2,6-Dinitrotoluene         | 14.47 | 165 | 27075   | 2.99  | ng | # 100  |
| 20) Acenaphthene               | 14.92 | 154 | 40985   | 3.85  | ng | # 72   |
| 21) 2,4-Dinitrotoluene         | 15.25 | 165 | 41103   | 2.76  | ng | # 1    |
| 22) Fluorene                   | 15.89 | 166 | 50039   | 3.12  | ng | 99     |
| 23) 4-Chlorophenyl-phenylether | 15.87 | 204 | 22522   | 2.76  | ng | # 63   |
| 25) 4-Bromophenyl-phenylether  | 16.76 | 248 | 14246   | 3.70  | ng | 96     |
| 26) Hexachlorobenzene          | 16.88 | 284 | 14480   | 3.78  | ng | 98     |
| 27) Pentachlorophenol          | 17.23 | 266 | 15535   | 10.42 | ng | # 80   |
| 28) Phenanthrene               | 17.61 | 178 | 111337  | 4.09  | ng | 99     |
| 29) Anthracene                 | 17.71 | 178 | 84098   | 3.67  | ng | 100    |
| 30) Fluoranthene               | 19.61 | 202 | 385707  | 4.91  | ng | # 97   |
| 32) Benzidine                  | 19.81 | 184 | 3305    | 0.56  | ng | # 66   |
| 33) Pyrene                     | 19.98 | 202 | 618152  | 4.47  | ng | 99     |
| 35) Benzo(a)anthracene         | 21.71 | 228 | 129305m | 4.47  | ng |        |
| 36) 3,3'-Dichlorobenzidine     | 21.67 | 252 | 25622   | 2.34  | ng | # 78   |
| 37) Chrysene                   | 21.78 | 228 | 103799m | 3.58  | ng |        |
| 38) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 90052   | 3.79  | ng | # 25   |
| 39) Indeno(1,2,3-cd)pyrene     | 26.65 | 276 | 537756  | 4.16  | ng | 100    |
| 41) Benzo(b)fluoranthene       | 23.41 | 252 | 132049m | 4.50  | ng |        |
| 42) Benzo(k)fluoranthene       | 23.45 | 252 | 113365  | 3.48  | ng | 97     |
| 43) Benzo(a)pyrene             | 24.03 | 252 | 119134  | 4.03  | ng | 95     |
| 44) Dibenzo(a,h)anthracene     | 26.67 | 278 | 110541  | 4.02  | ng | # 94   |
| 45) Benzo(a,h,i)perylene       | 27.42 | 276 | 465344  | 4.03  | ng | 96     |

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Sample : H4107-01MS  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

Manual Integrations  
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Quant Time: Aug 02 01:19:48 2016  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 01 17:22:55 2016  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

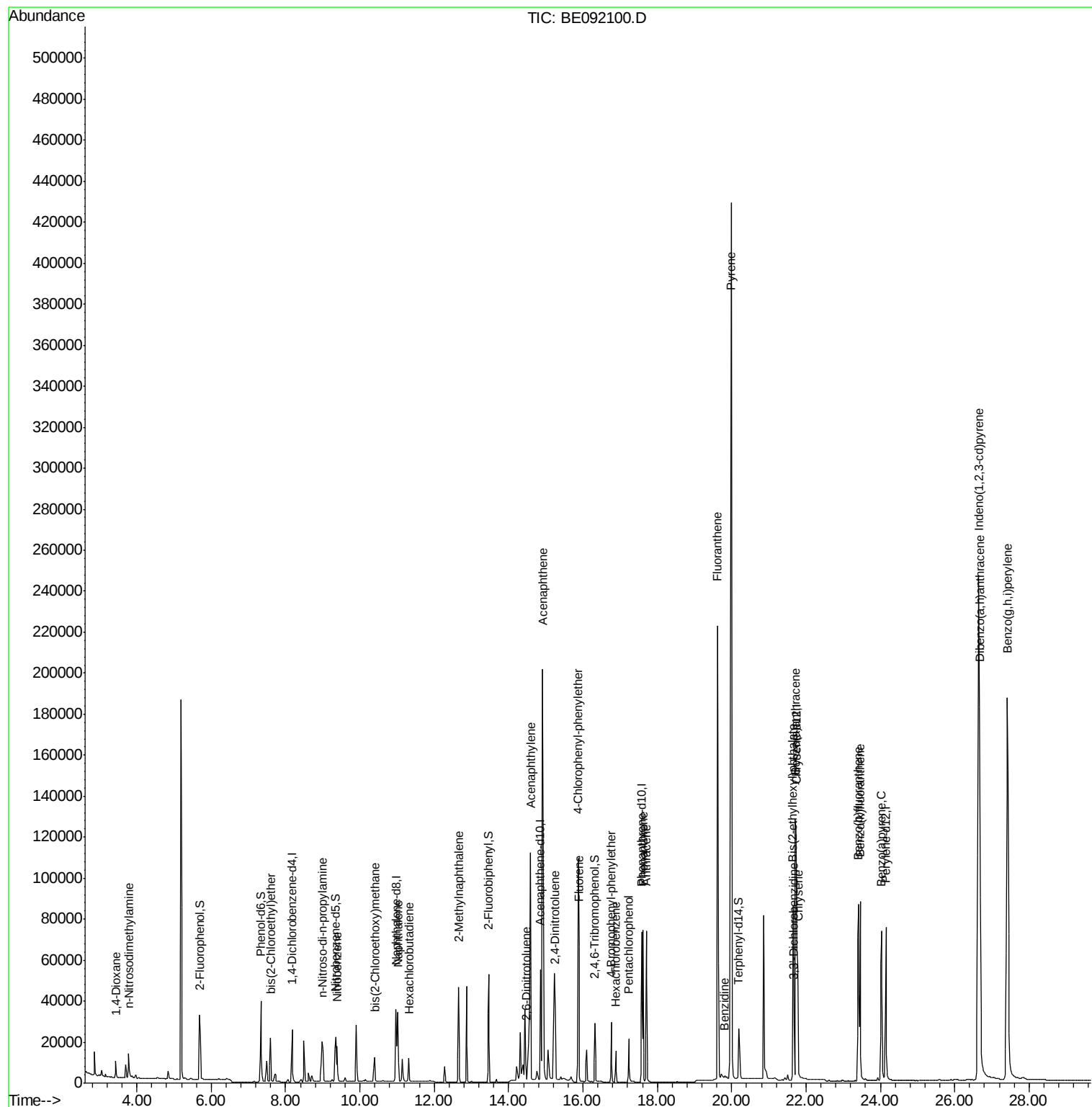
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\  
Data File : BE092100.D  
Acq On : 1 Aug 2016 20:20  
Operator : UM/SJ  
Sample : H4107-01MS  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

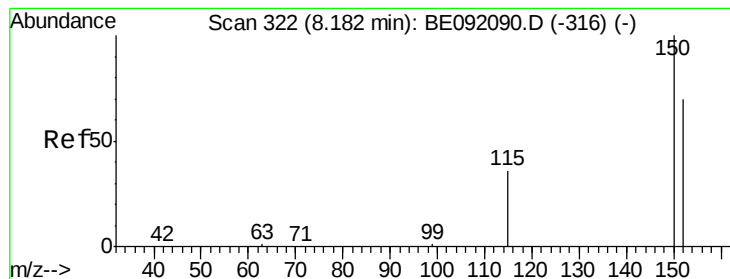
Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

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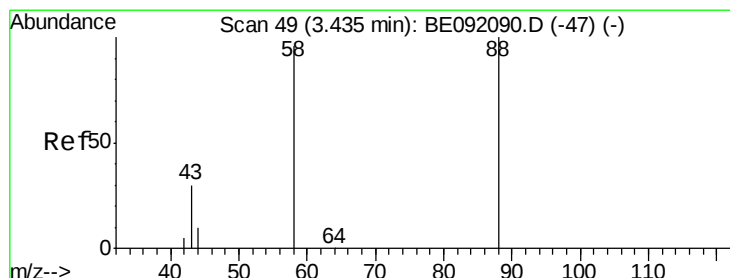
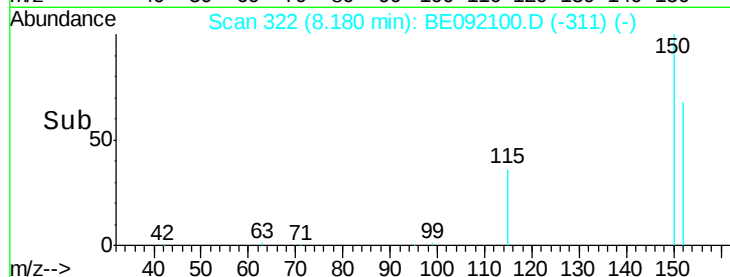
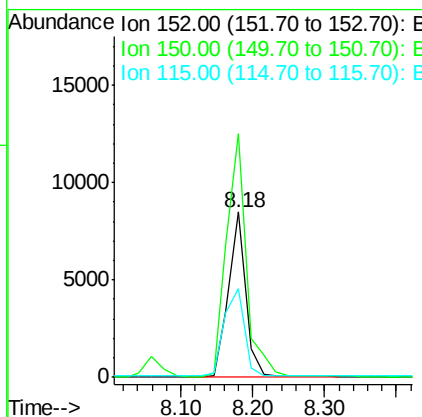
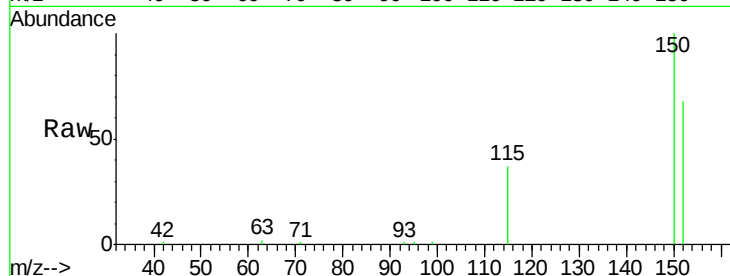
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 8.18 min Scan# 322  
 Delta R.T. -0.00 min  
 Lab File: BE092100.D  
 Acq: 1 Aug 2016 20:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 147.4 | 106.0 | 159.0 |
| 115     | 53.8  | 36.9  | 55.3  |

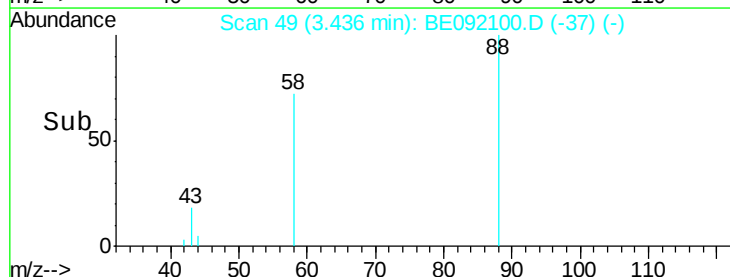
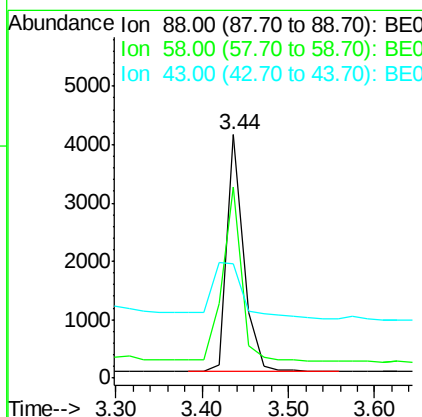
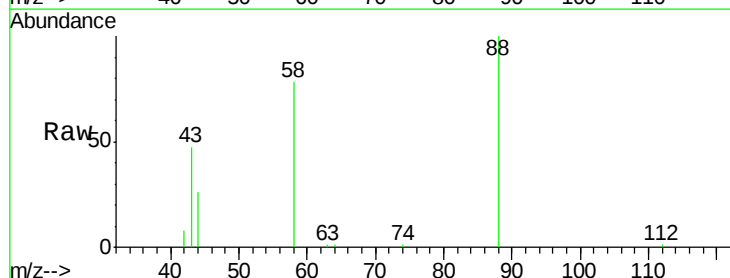
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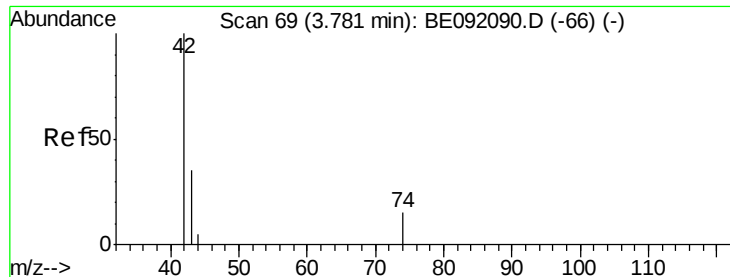
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#2  
 1,4-Dioxane  
 Concen: 3.20 ng  
 RT: 3.44 min Scan# 49  
 Delta R.T. 0.00 min  
 Lab File: BE092100.D  
 Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 82.1  | 62.1  | 93.1  |
| 43      | 44.1  | 27.2  | 40.8  |





#3

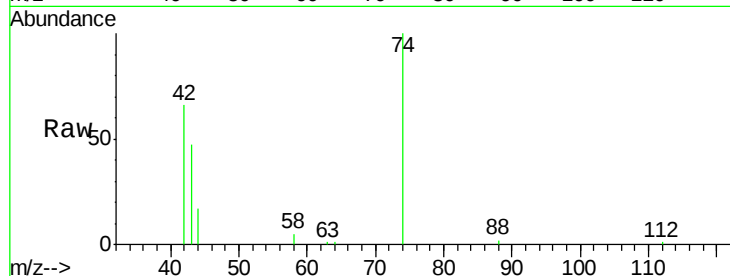
n-Nitrosodimethylamine  
Concen: 3.73 ng  
RT: 3.78 min Scan# 69  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 110.6 | 82.8  | 124.2 |
| 44      | 7.5   | 9.0   | 13.4  |

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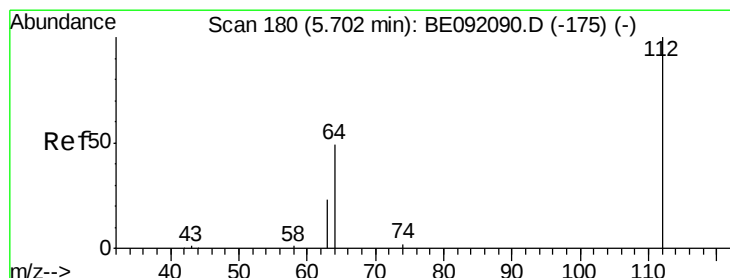
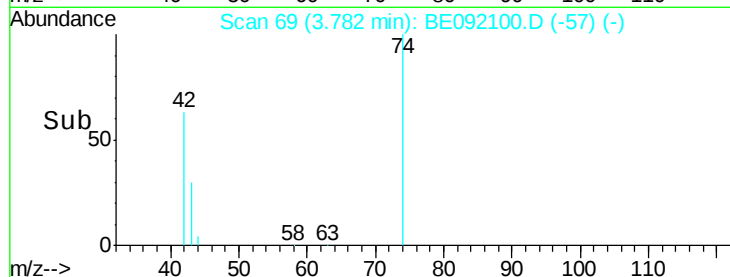
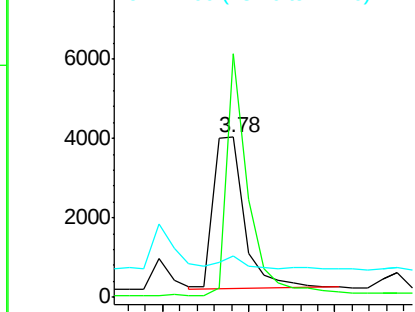


Abundance

Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

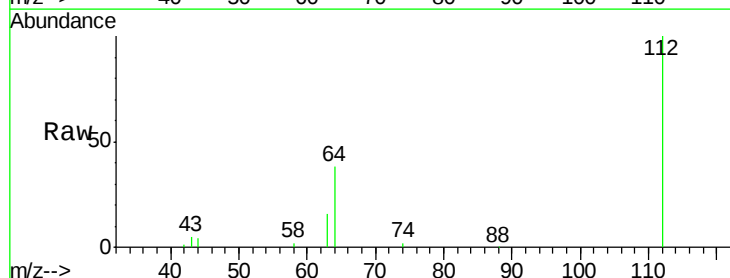
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol  
Concen: 7.66 ng  
RT: 5.70 min Scan# 180  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.3  | 55.9  | 83.9  |
| 63      | 36.9  | 31.1  | 46.7  |

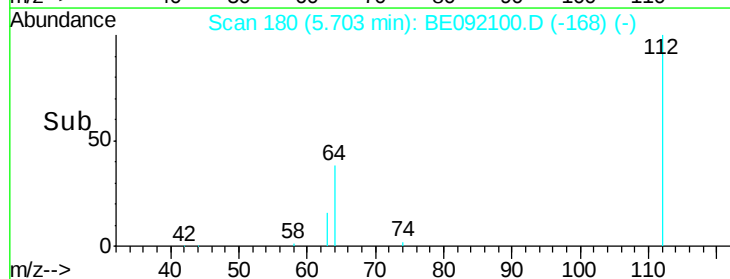
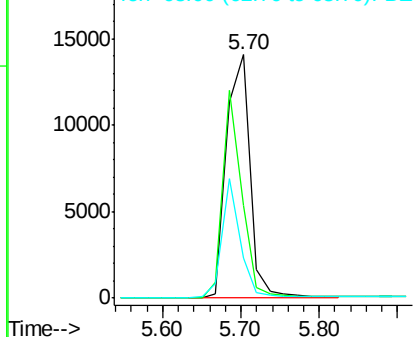


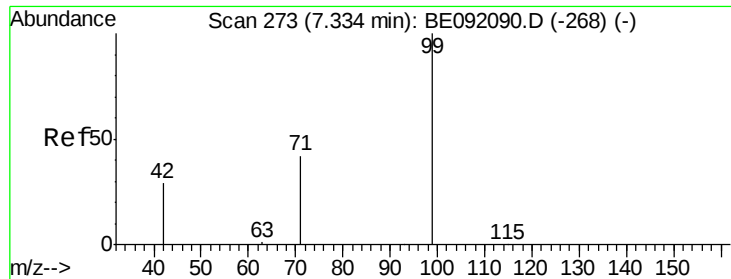
Abundance

Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.89 ng

RT: 7.33 min Scan# 273

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

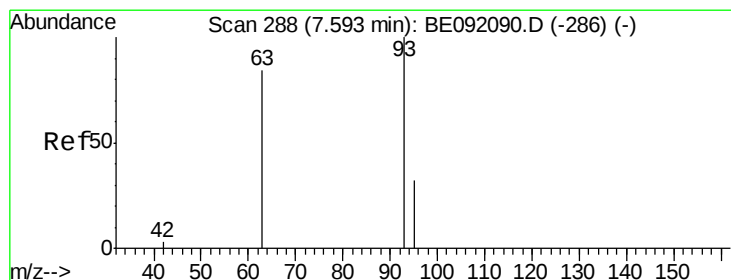
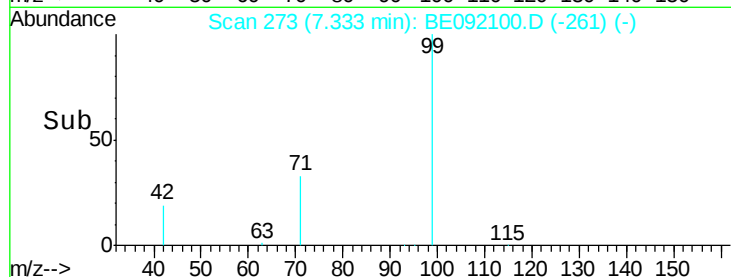
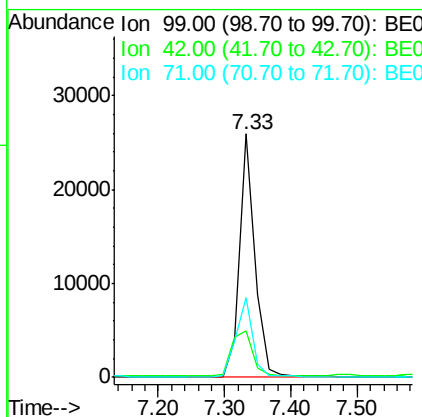
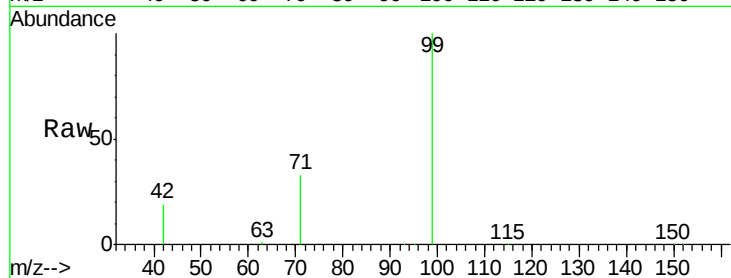
ClientSampleId :

TILCON-MH-SF-004MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 41823 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 25.3  | 22.4  | 33.6  |
| 71       | 35.4  | 28.9  | 43.3  |

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#6

bis(2-Chloroethyl)ether

Concen: 3.78 ng

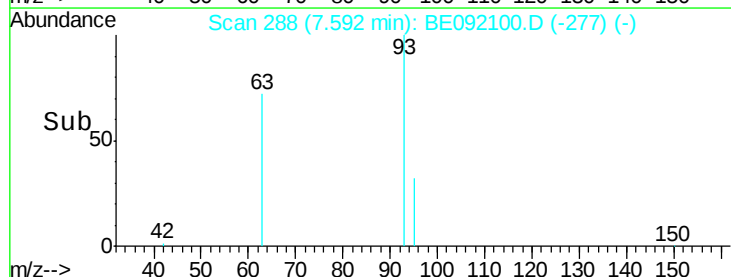
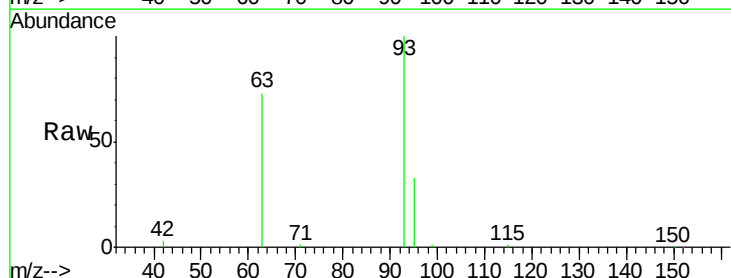
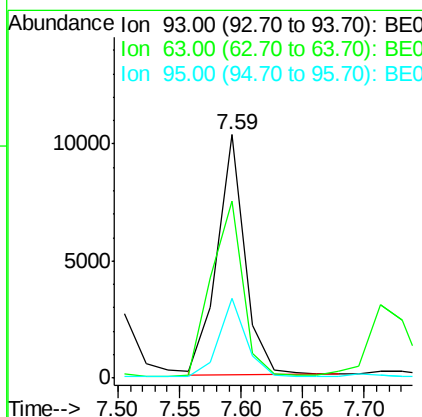
RT: 7.59 min Scan# 288

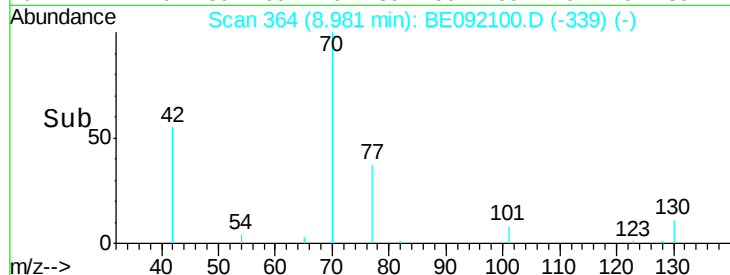
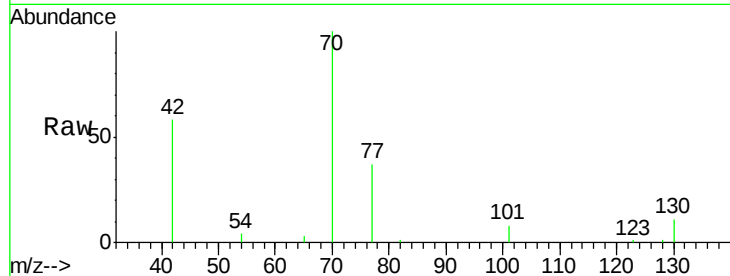
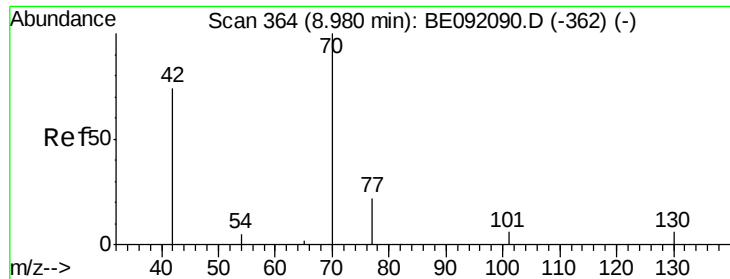
Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 16188 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 83.1  | 64.4  | 96.6  |
| 95       | 32.1  | 25.8  | 38.8  |





#7

n-Nitroso-di-n-propylamine

Concen: 3.56 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

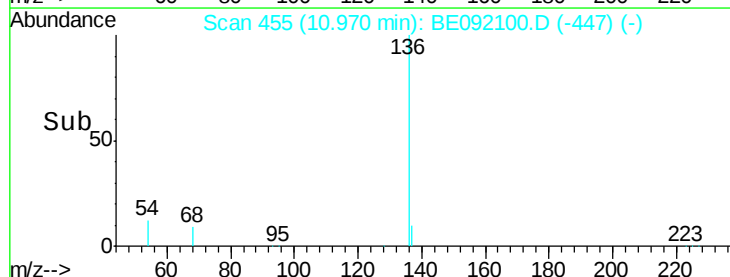
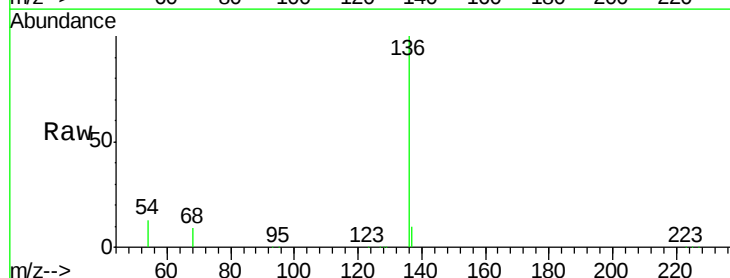
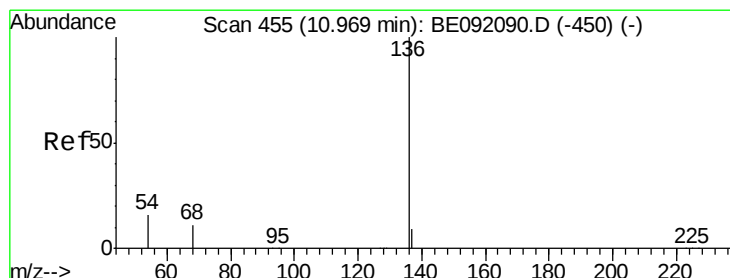
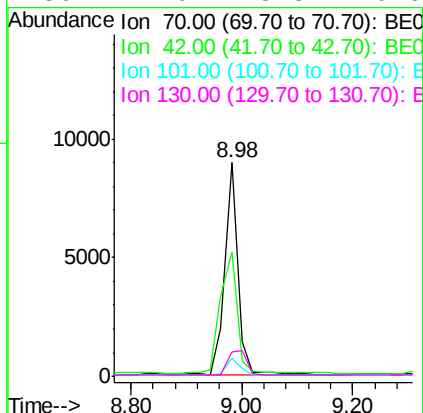
ClientSampleId :

TILCON-MH-SF-004MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 14501 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 73.6  | 60.2  | 90.4  |
| 101       | 8.4   | 6.8   | 10.2  |
| 130       | 17.0  | 13.3  | 19.9  |

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#8

Naphthalene-d8

Concen: 5.00 ng

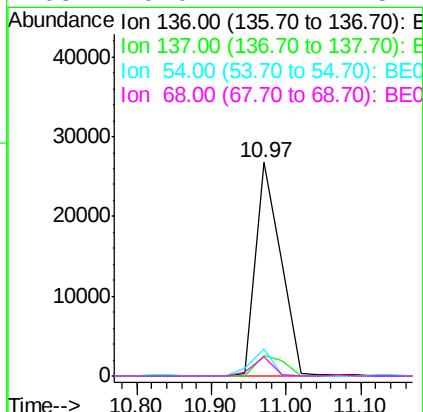
RT: 10.97 min Scan# 455

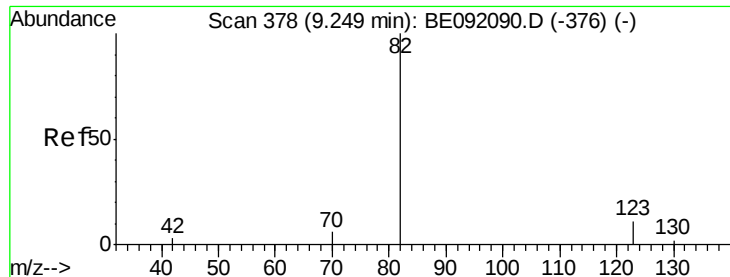
Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 62416 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 9.9   | 9.1   | 13.7  |
| 54        | 12.5  | 2.7   | 4.1#  |
| 68        | 9.0   | 2.2   | 3.4#  |





#9

Nitrobenzene-d5

Concen: 4.55 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

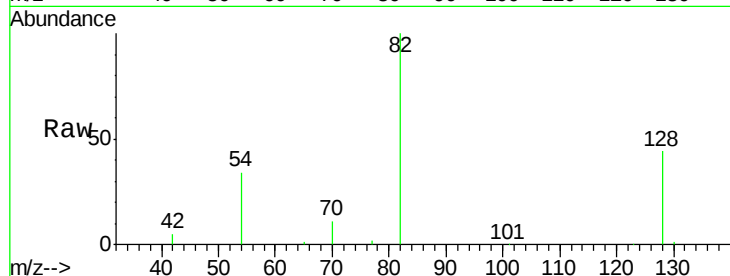
ClientSampleId :

TILCON-MH-SF-004MS

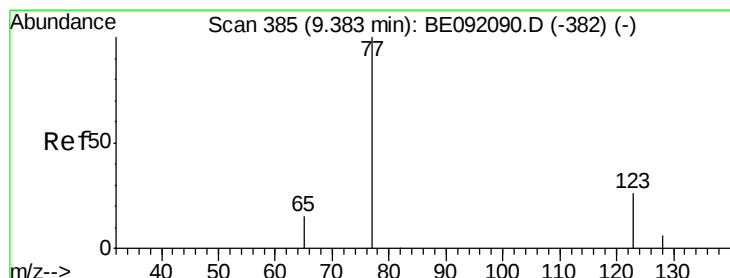
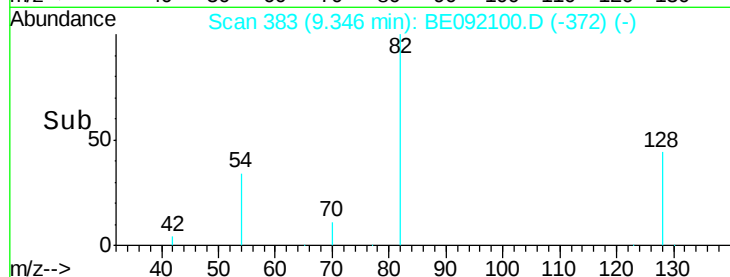
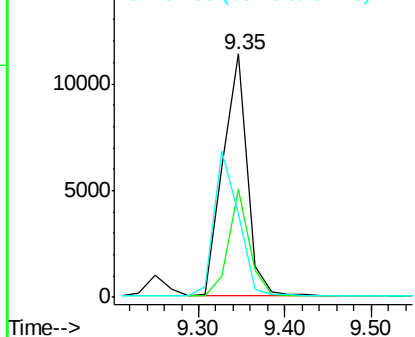
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 22140 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.4  | 33.0  | 49.4  |
| 54       | 34.1  | 42.6  | 63.8# |

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Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 3.85 ng

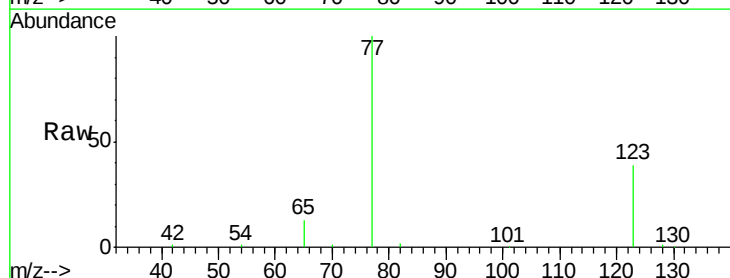
RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

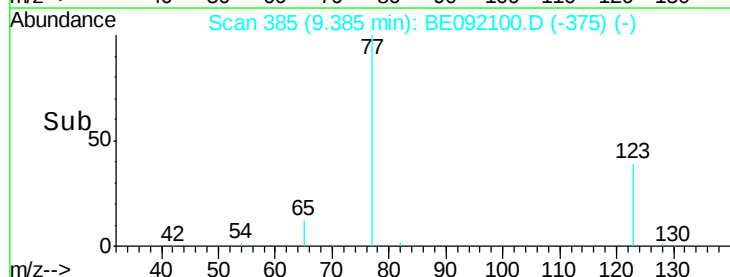
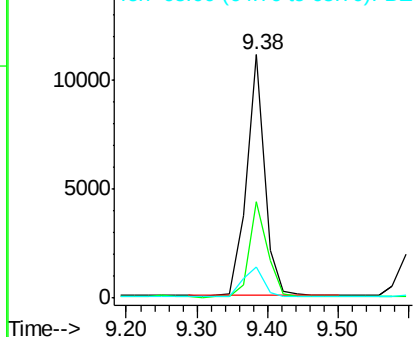
Lab File: BE092100.D

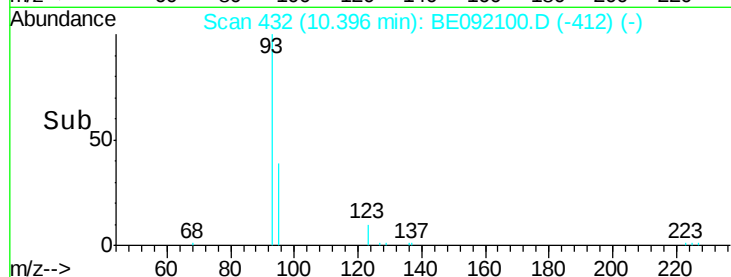
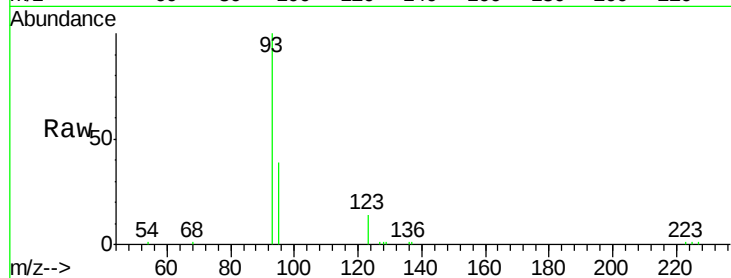
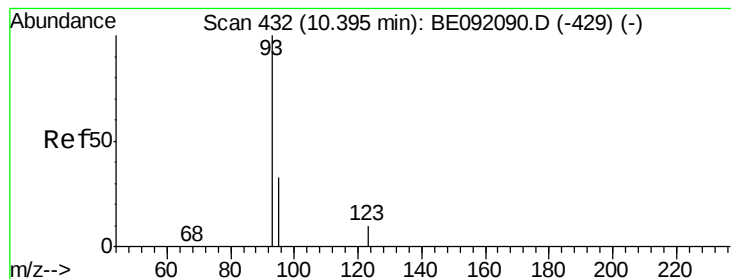
Acq: 1 Aug 2016 20:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 19948 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 39.6  | 29.9  | 44.9  |
| 65       | 14.2  | 11.4  | 17.0  |



Abundance Ion 77.00 (76.70 to 77.70): BE0  
Ion 123.00 (122.70 to 123.70): BE0  
Ion 65.00 (64.70 to 65.70): BE0





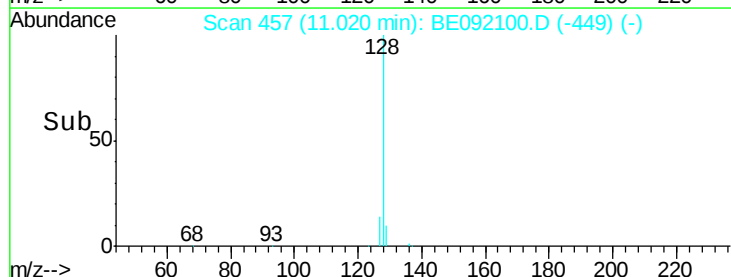
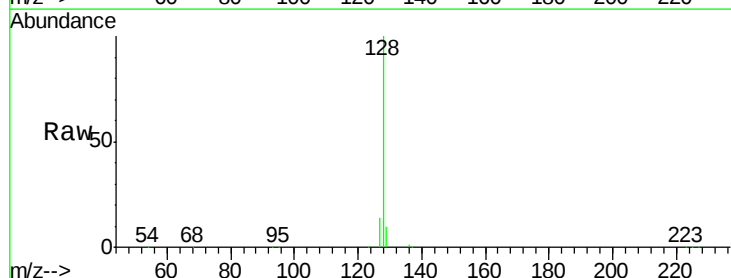
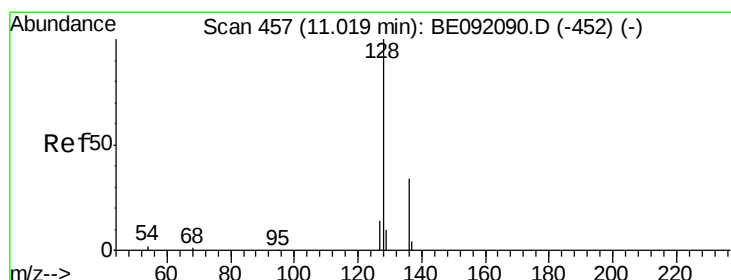
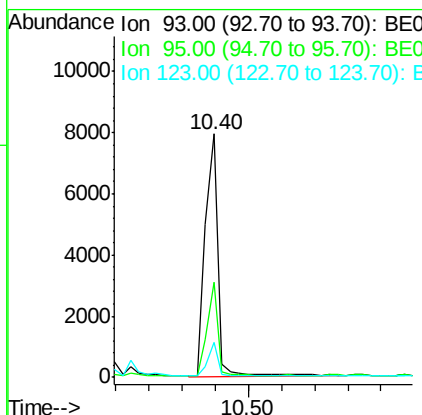
#11  
bis(2-Chloroethoxy)methane  
Concen: 3.74 ng  
RT: 10.40 min Scan# 432  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.0  | 25.0  | 37.6  |
| 123     | 10.5  | 7.8   | 11.8  |

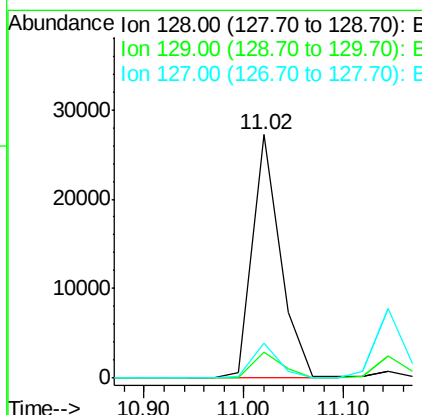
Manual Integrations  
APPROVED

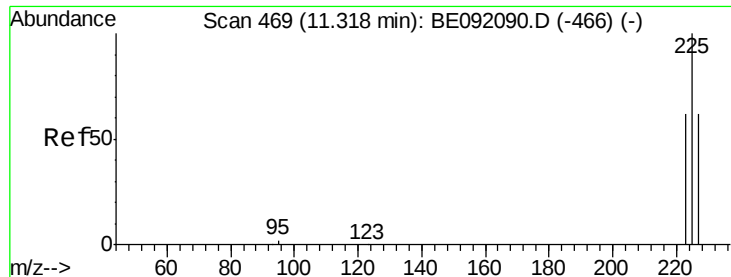
sohil  
8/2/2016 5:08:53 PM



#12  
Naphthalene  
Concen: 3.68 ng  
RT: 11.02 min Scan# 457  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.5  | 11.1  | 16.7# |
| 127     | 14.2  | 11.3  | 16.9  |





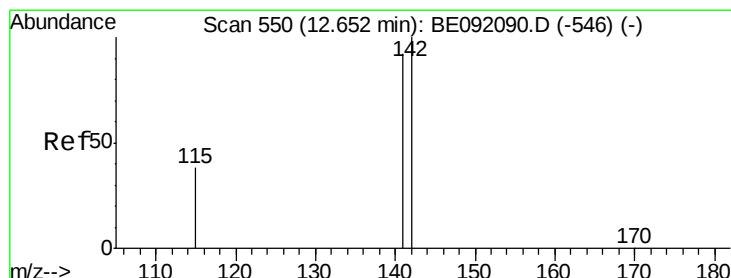
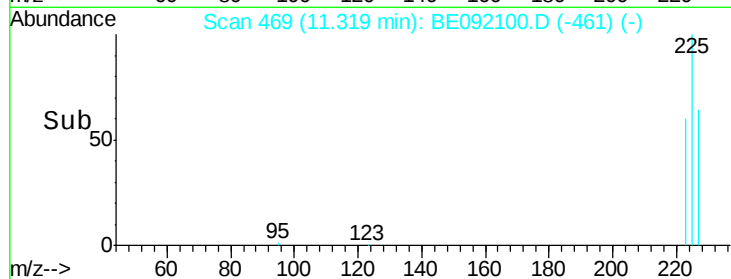
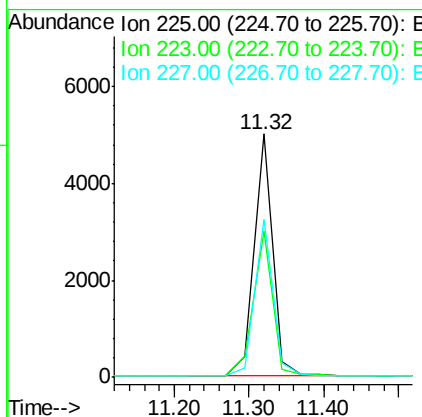
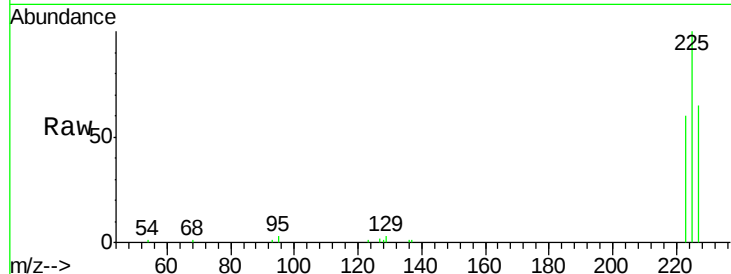
#13  
Hexachlorobutadiene  
Concen: 3.62 ng  
RT: 11.32 min Scan# 469  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.5  | 51.9  | 77.9  |
| 227     | 64.2  | 0.0   | 0.0   |

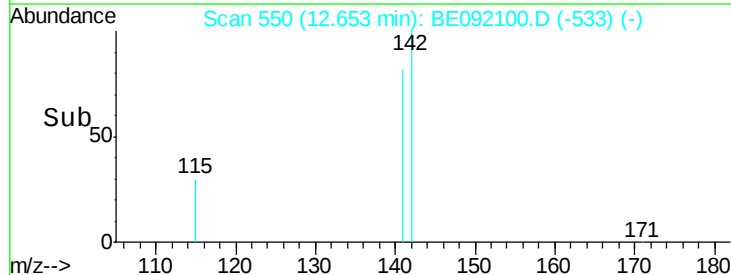
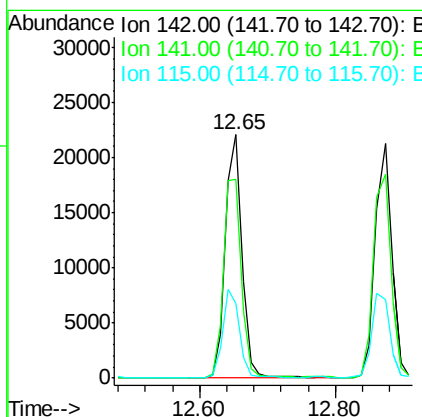
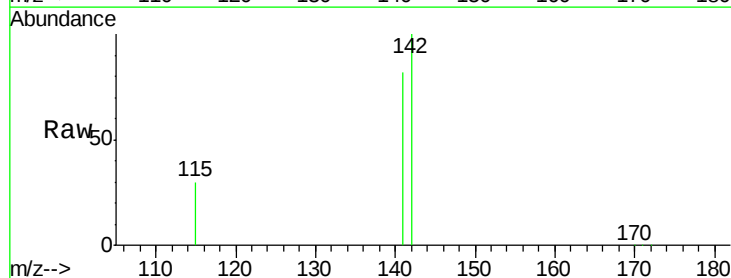
Manual Integrations  
APPROVED

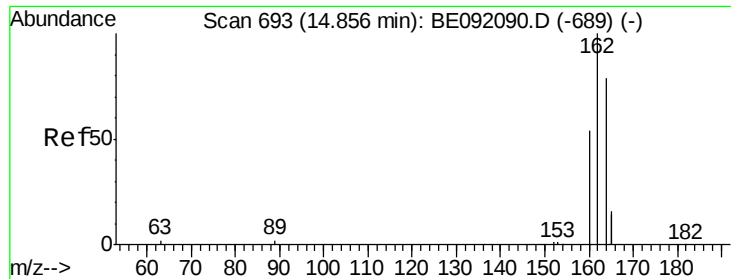
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#14  
2-Methylnaphthalene  
Concen: 3.96 ng  
RT: 12.65 min Scan# 550  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 81.5  | 65.1  | 97.7  |
| 115     | 30.4  | 27.0  | 40.4  |





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

ClientSampleId :

TILCON-MH-SF-004MS

Tot Ion:164 Resp: 34830

Ion Ratio Lower Upper

164 100

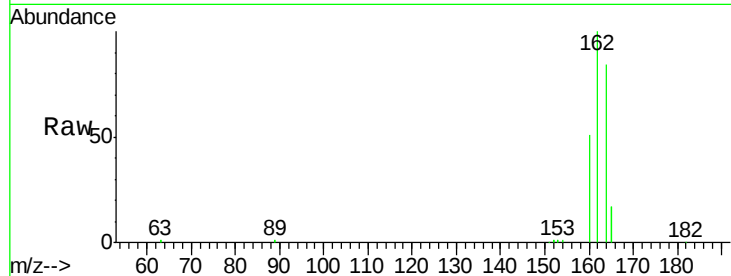
162 119.7 69.5 104.3#

160 60.8 27.6 41.4#

Manual Integrations  
APPROVED

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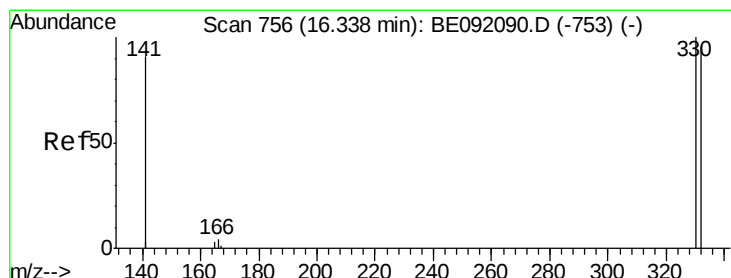
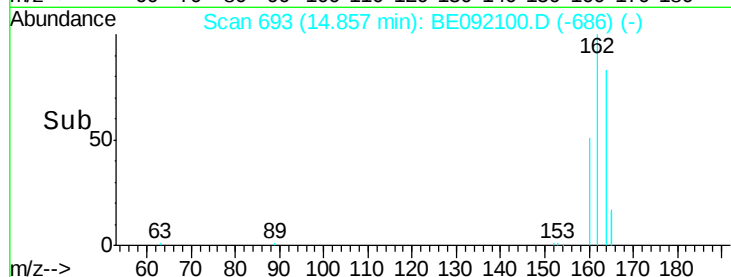
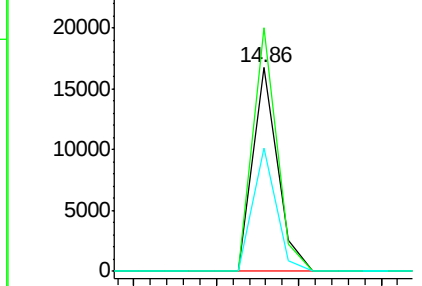
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 5.97 ng

RT: 16.32 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

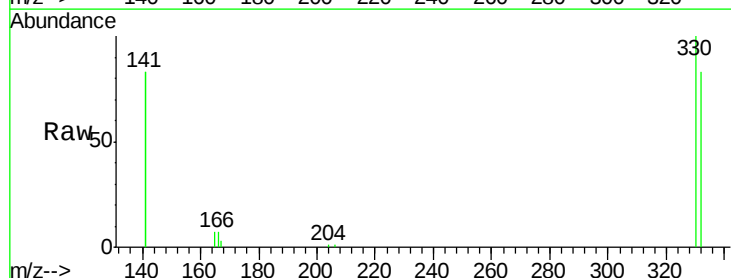
Tgt Ion:330 Resp: 13737

Ion Ratio Lower Upper

330 100

332 96.7 74.2 111.4

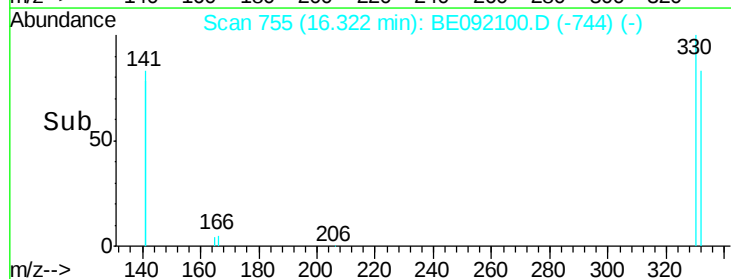
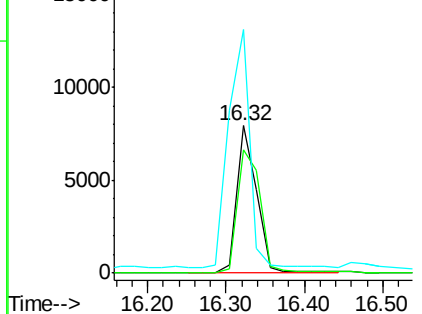
141 174.0 139.8 209.8

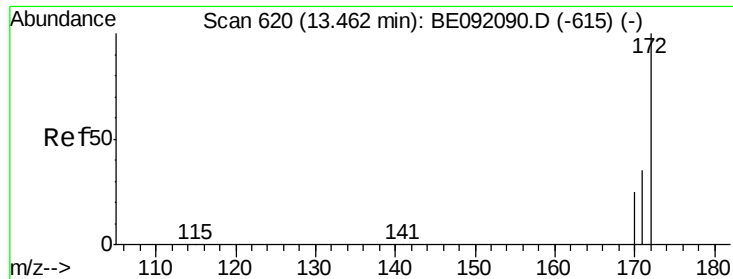


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





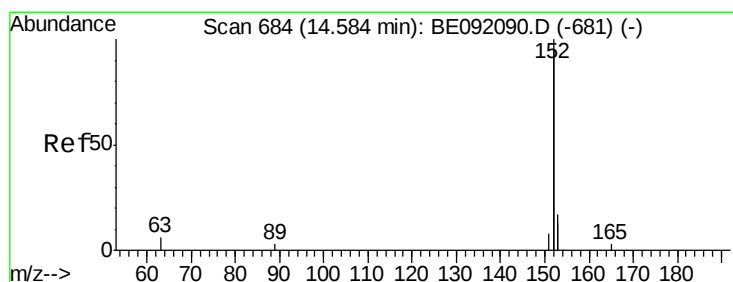
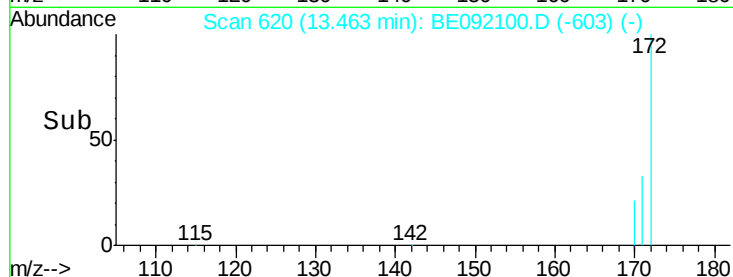
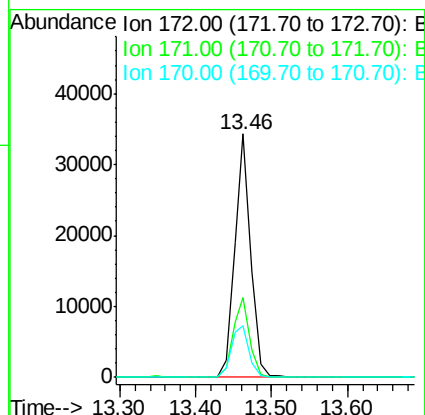
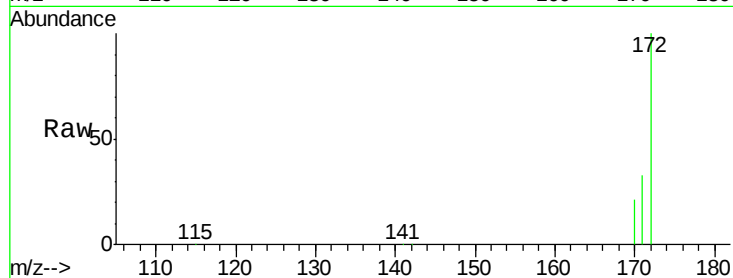
#17  
2-Fluorobiphenyl  
Concen: 3.76 ng  
RT: 13.46 min Scan# 620  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.9  | 30.3  | 45.5  |
| 170     | 21.0  | 21.6  | 32.4  |

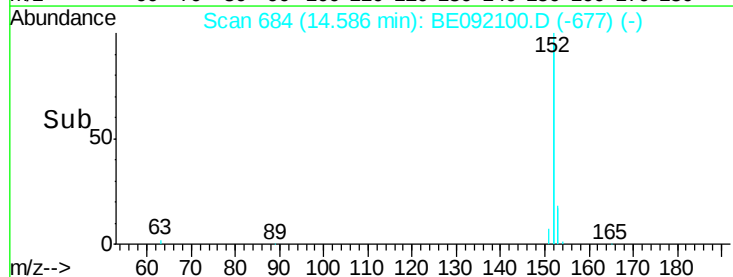
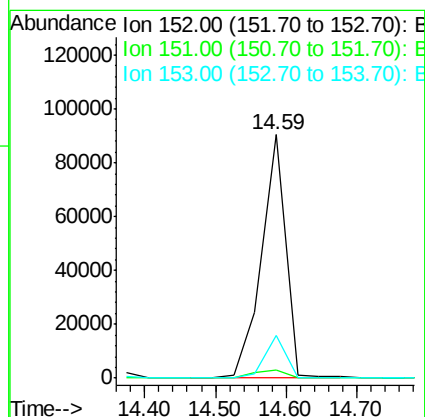
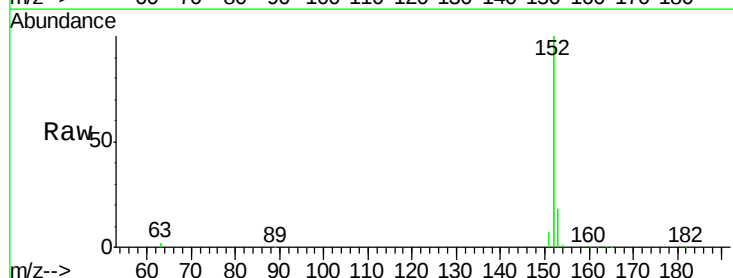
Manual Integrations  
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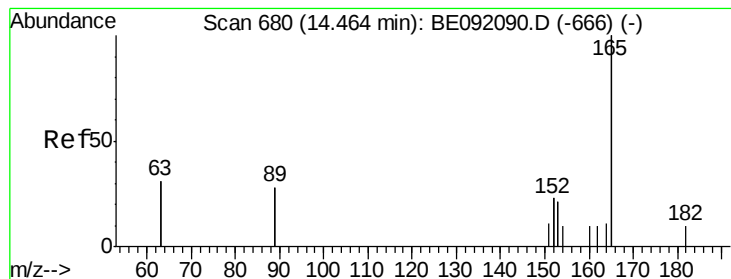
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#18  
Acenaphthylene  
Concen: 2.73 ng  
RT: 14.59 min Scan# 684  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 4.5   | 4.0   | 6.0   |
| 153     | 15.1  | 9.6   | 14.4  |





#19

2,6-Dinitrotoluene

Concen: 2.99 ng

RT: 14.47 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

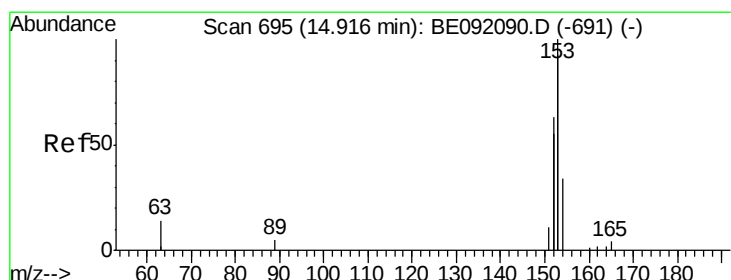
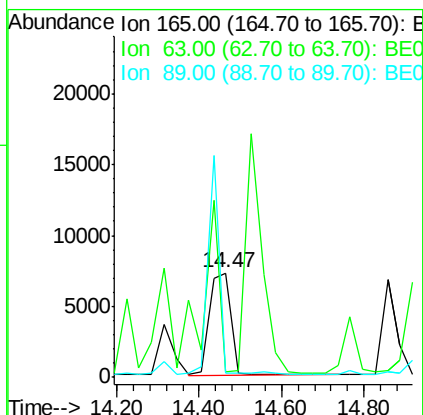
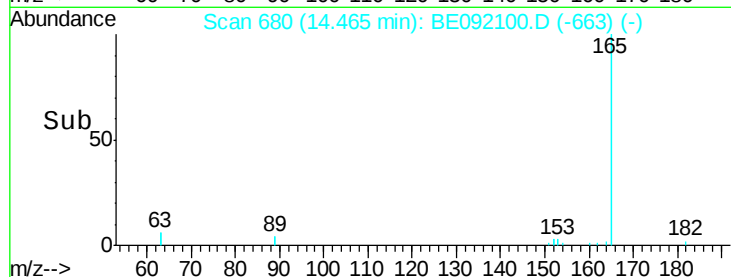
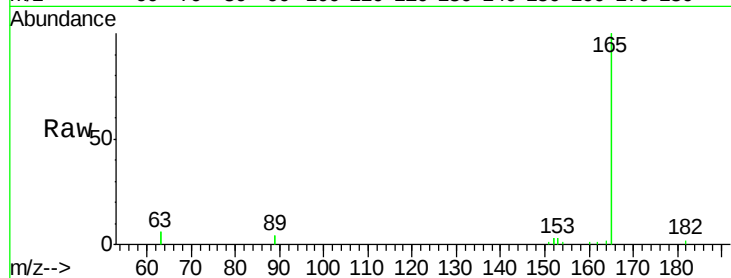
ClientSampleId :

TILCON-MH-SF-004MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 27075 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 0.0   | 0.0   |
| 89        | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#20

Acenaphthene

Concen: 3.85 ng

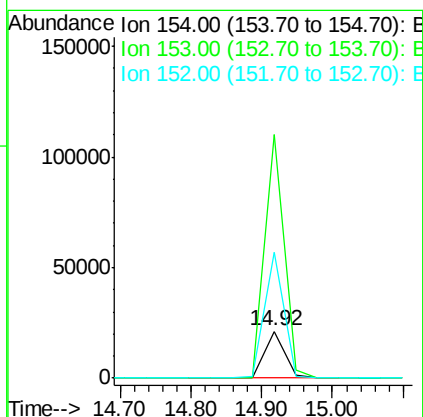
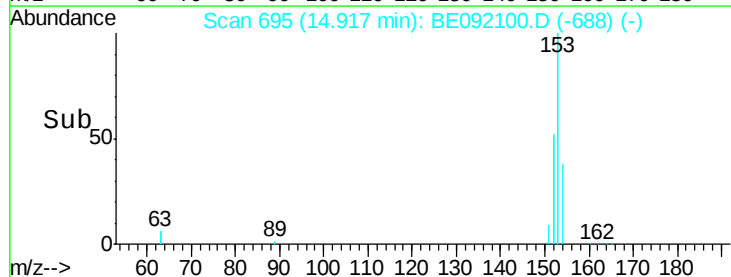
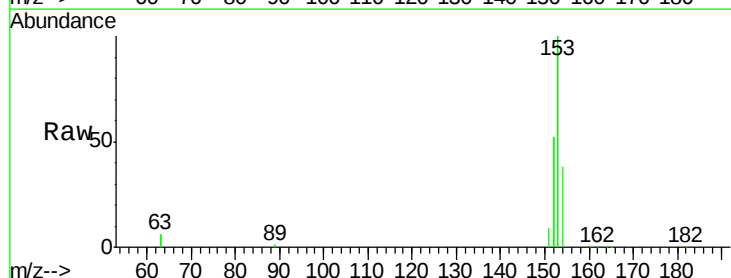
RT: 14.92 min Scan# 695

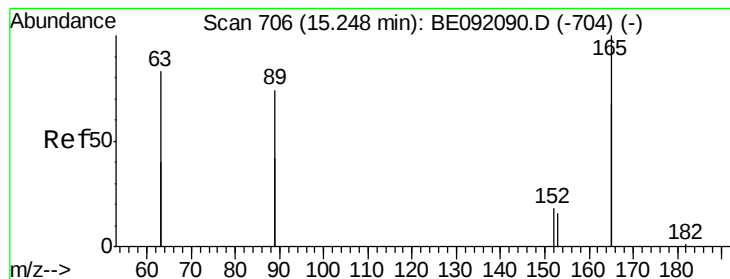
Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 40985 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 501.6 | 345.1 | 517.7 |
| 152       | 256.7 | 0.0   | 0.0#  |





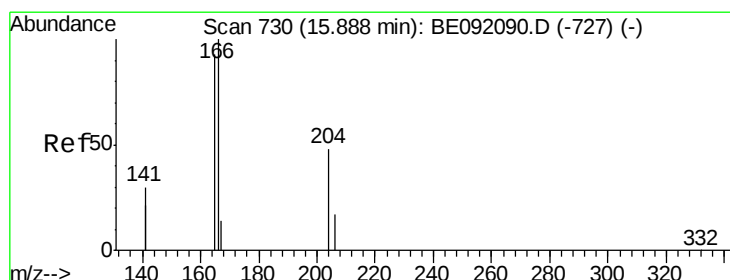
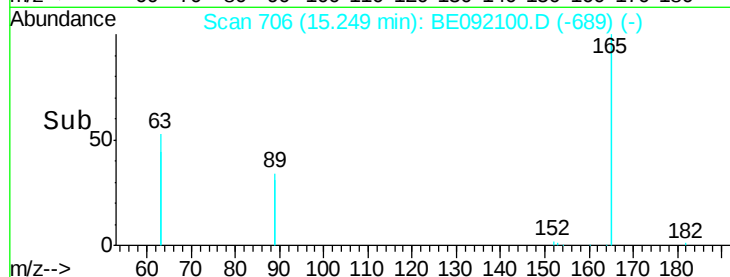
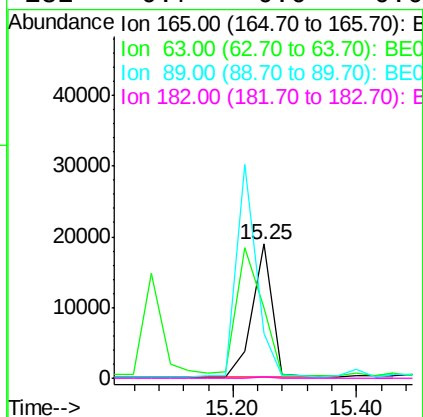
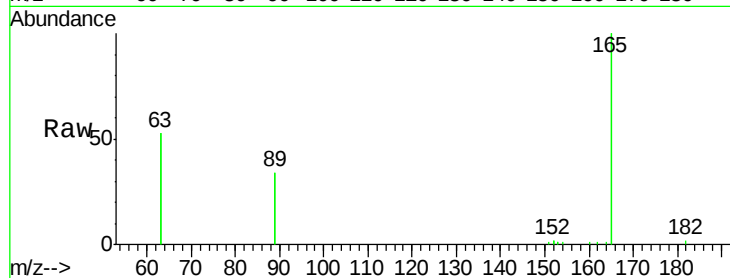
#21  
2,4-Dinitrotoluene  
Concen: 2.76 ng  
RT: 15.25 min Scan# 706  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 324.0 | 486.0# |
| 89      | 0.0   | 308.4 | 462.6# |
| 182     | 0.7   | 0.0   | 0.0#   |

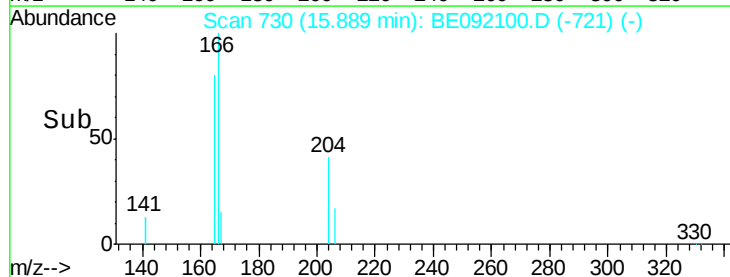
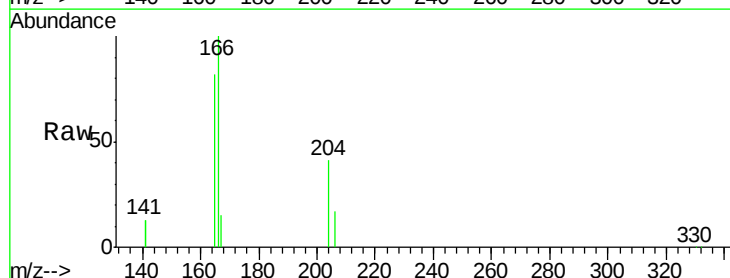
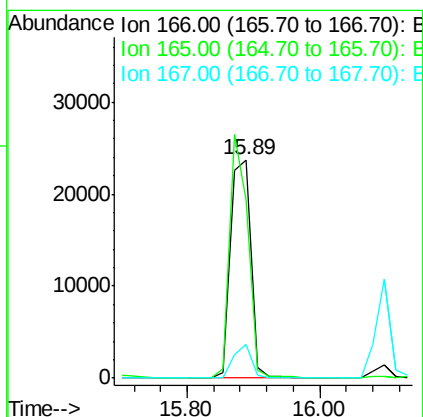
Manual Integrations  
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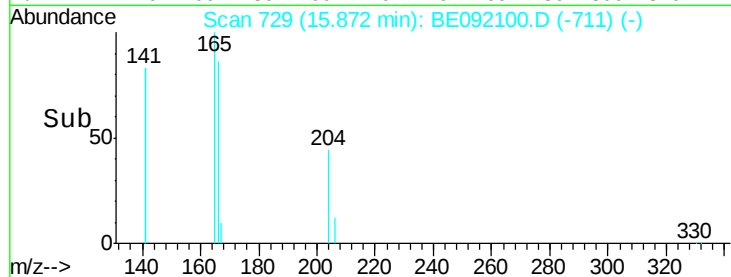
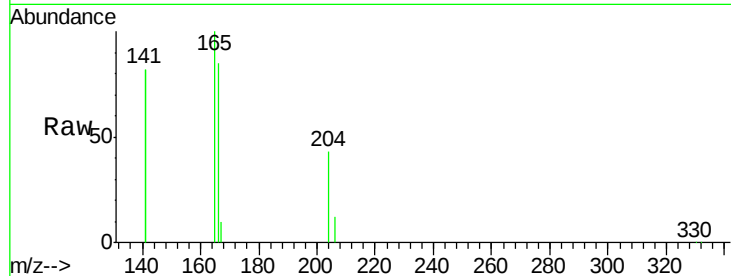
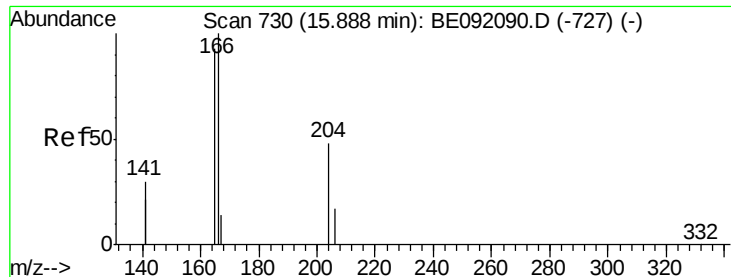
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#22  
Fluorene  
Concen: 3.12 ng  
RT: 15.89 min Scan# 730  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.1  | 78.6  | 118.0 |
| 167     | 13.5  | 11.1  | 16.7  |





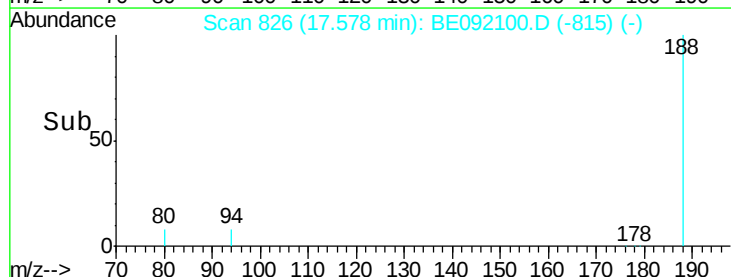
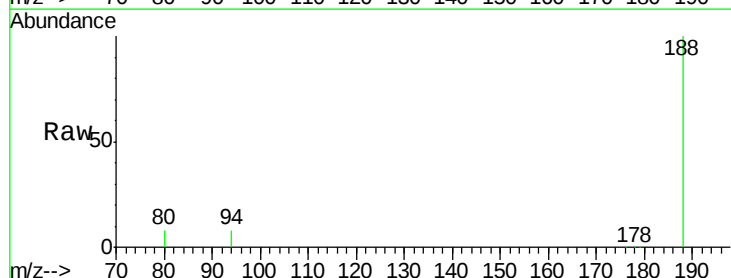
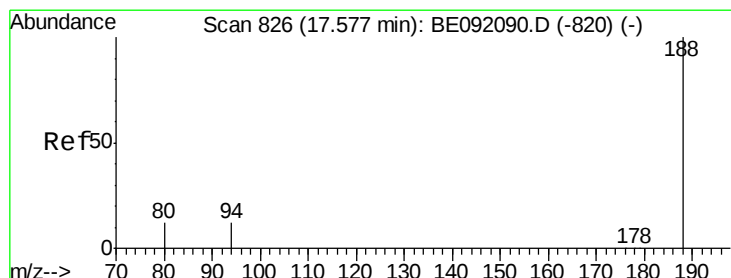
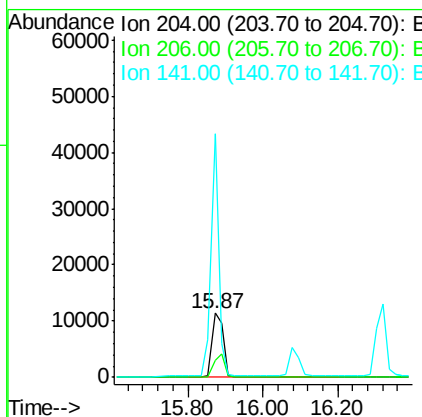
#23  
4-Chlorophenyl-phenylether  
Concen: 2.76 ng  
RT: 15.87 min Scan# 729  
Delta R.T. -0.02 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

Tot Ion:204 Resp: 22522  
Ion Ratio Lower Upper  
204 100  
206 43.2 27.0 40.4#  
141 318.0 198.5 297.7#

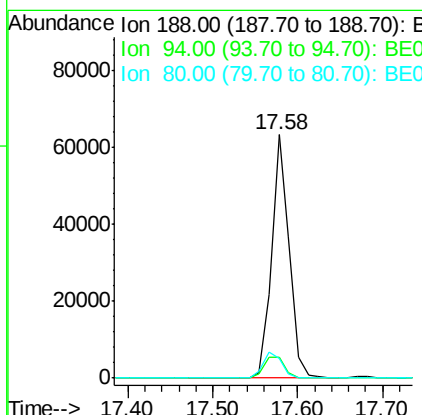
Manual Integrations  
APPROVED

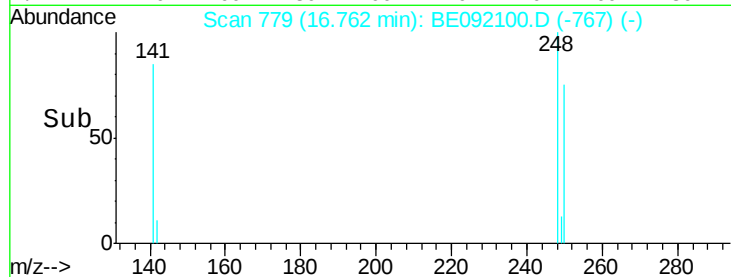
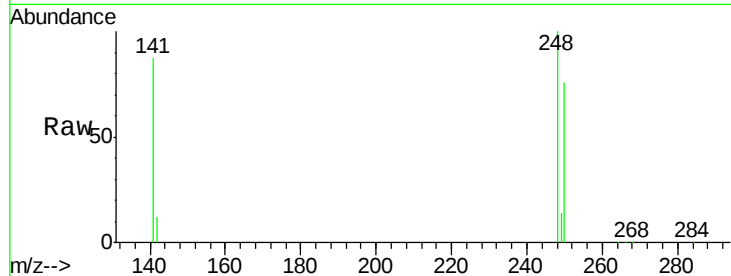
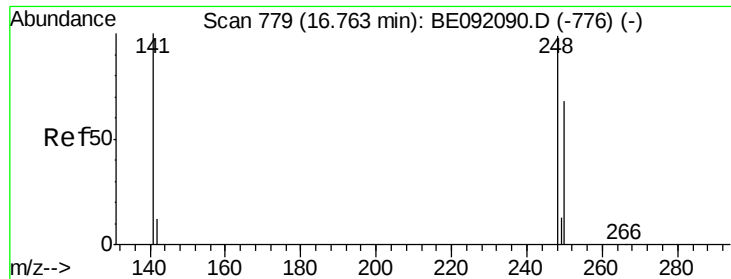
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#24  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.58 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Tgt Ion:188 Resp: 114749  
Ion Ratio Lower Upper  
188 100  
94 8.4 3.9 5.9#  
80 7.9 3.4 5.0#





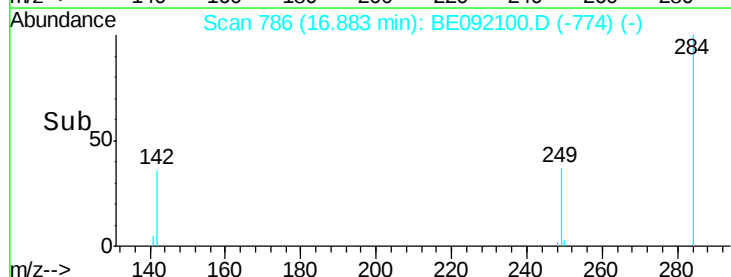
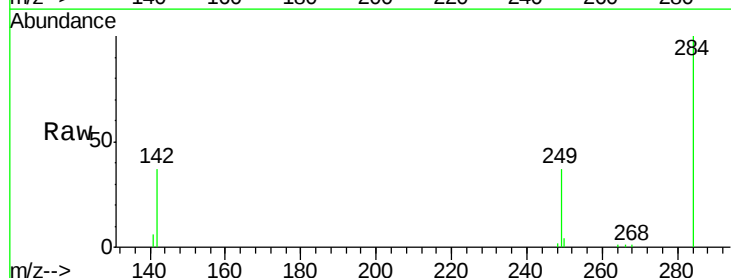
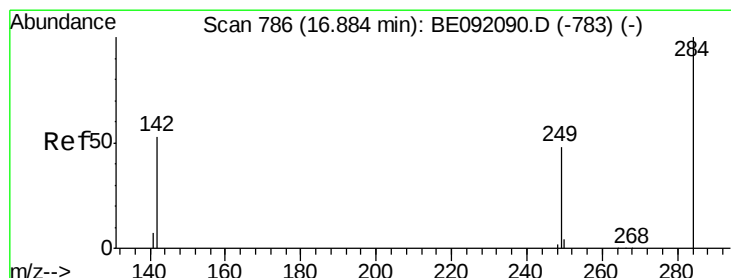
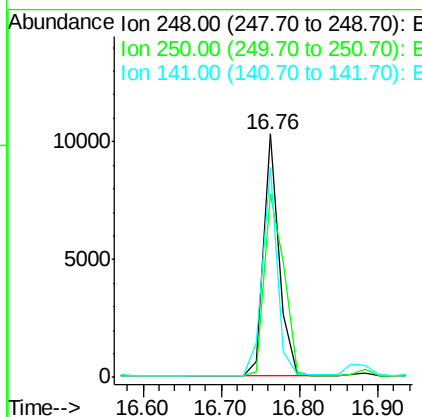
#25  
4-Bromophenyl-phenylether  
Concen: 3.70 ng  
RT: 16.76 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.1  | 79.6  | 119.4 |
| 141     | 83.2  | 68.7  | 103.1 |

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

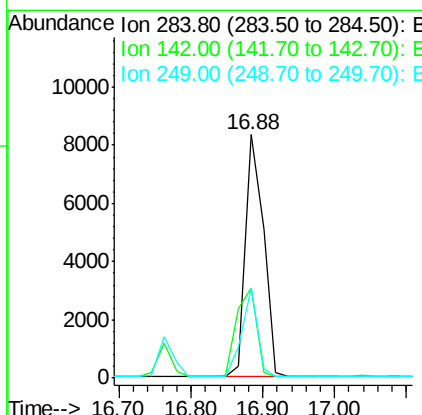
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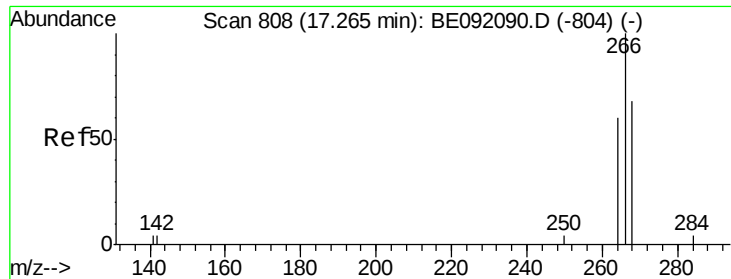
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#26  
Hexachlorobenzene  
Concen: 3.78 ng  
RT: 16.88 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 40.0  | 33.3  | 49.9  |
| 249     | 31.5  | 25.4  | 38.0  |





#27

Pentachlorophenol

Concen: 10.42 ng

RT: 17.23 min Scan# 806

Delta R.T. -0.04 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

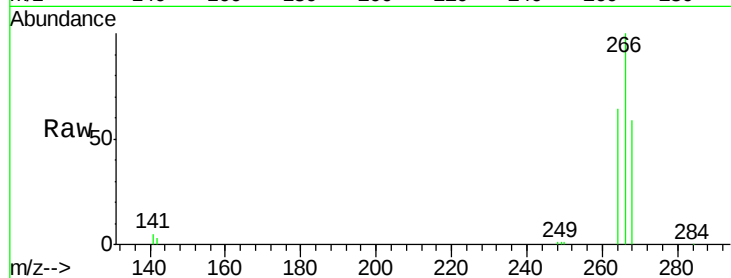
ClientSampleId :

TILCON-MH-SF-004MS

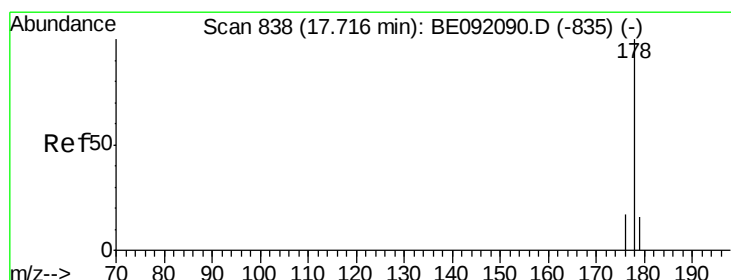
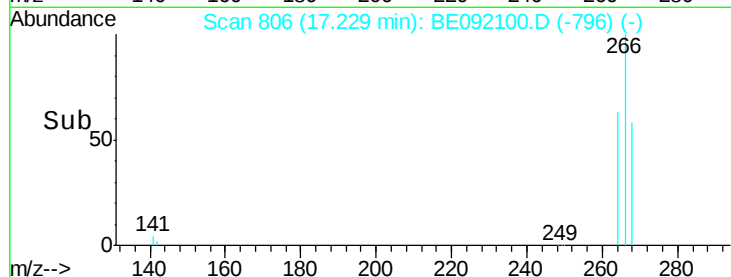
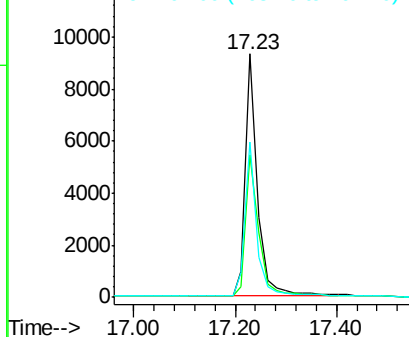
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 266   | Resp: | 15535 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 58.7  | 62.7  | 94.1# |
| 264       | 63.6  | 63.5  | 95.3  |

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Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 4.09 ng

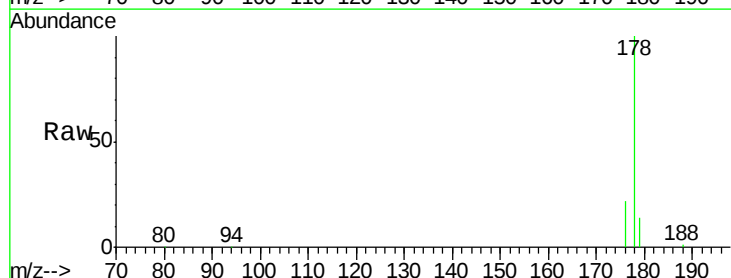
RT: 17.61 min Scan# 829

Delta R.T. -0.01 min

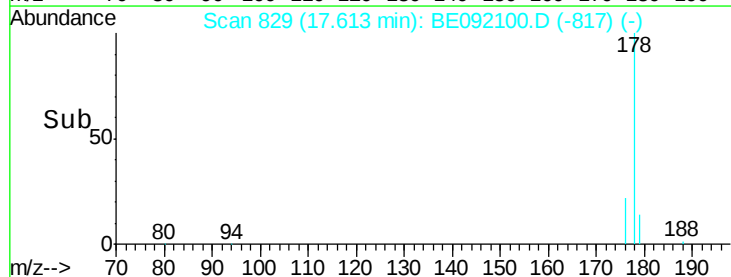
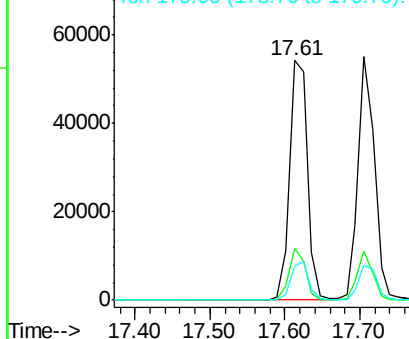
Lab File: BE092100.D

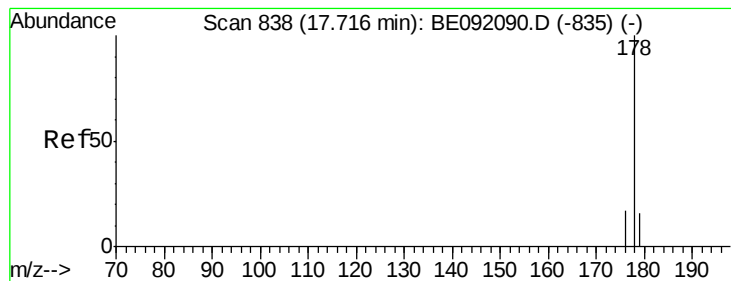
Acq: 1 Aug 2016 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 111337 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.0  | 15.4  | 23.0   |
| 179       | 16.2  | 12.7  | 19.1   |



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.67 ng

RT: 17.71 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

ClientSampleId :

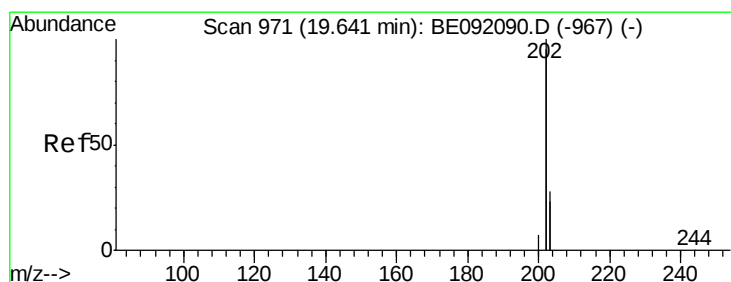
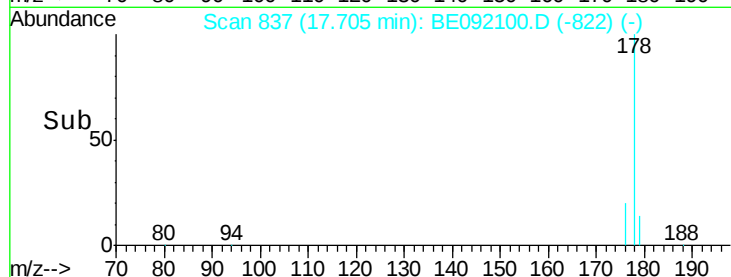
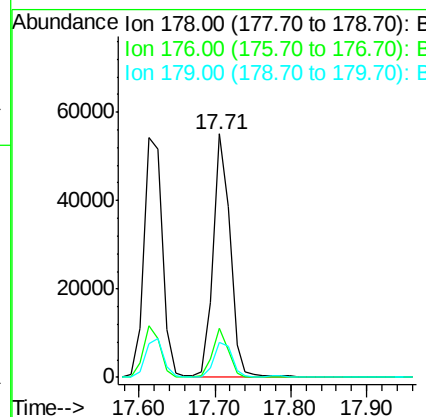
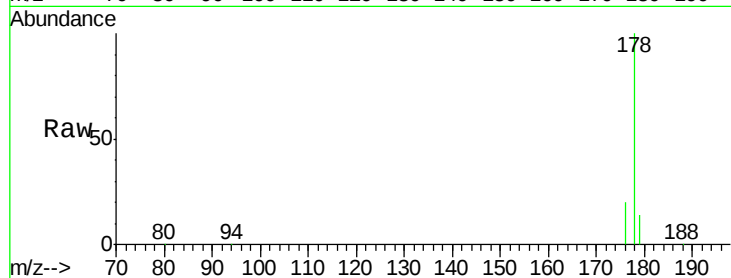
TILCON-MH-SF-004MS

Tot Ion:178 Resp: 84098

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.9  | 15.2  | 22.8  |
| 179 | 15.2  | 12.2  | 18.4  |

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#30

Fluoranthene

Concen: 4.91 ng

RT: 19.61 min Scan# 970

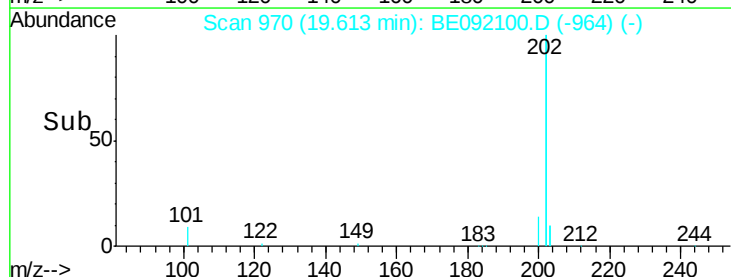
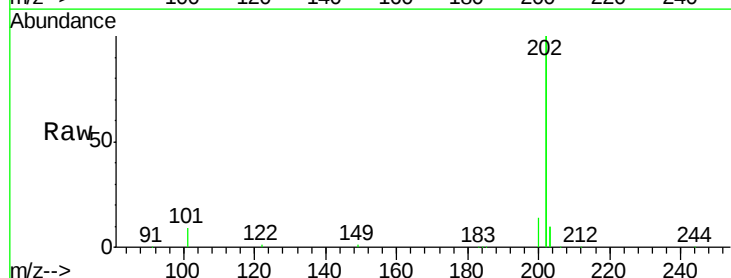
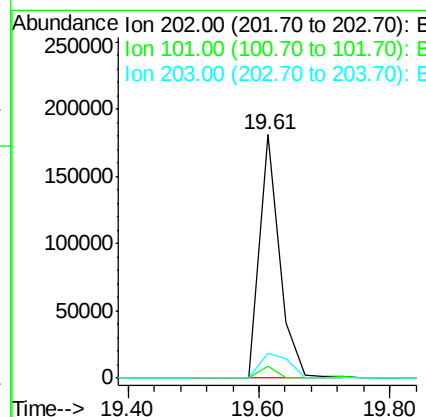
Delta R.T. -0.03 min

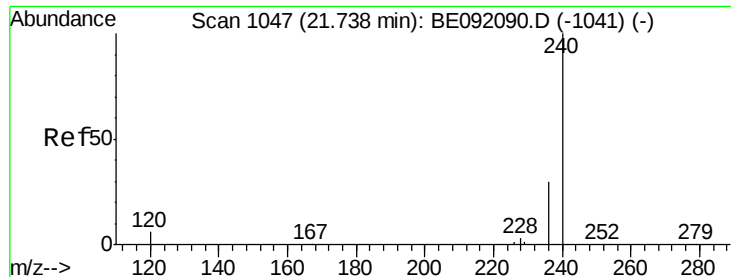
Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Tgt Ion:202 Resp: 385707

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 4.0   | 2.2   | 3.2#  |
| 203 | 15.0  | 13.0  | 19.4  |





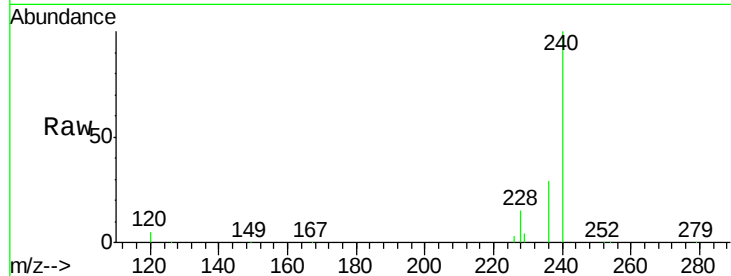
#31  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.74 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

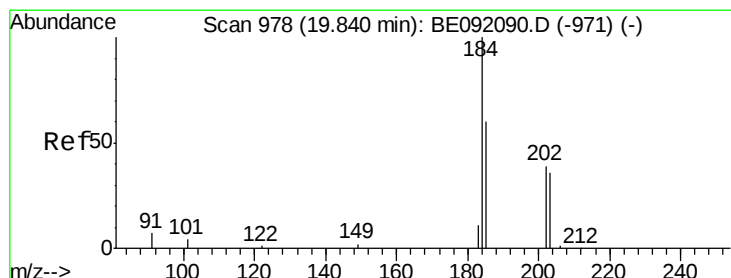
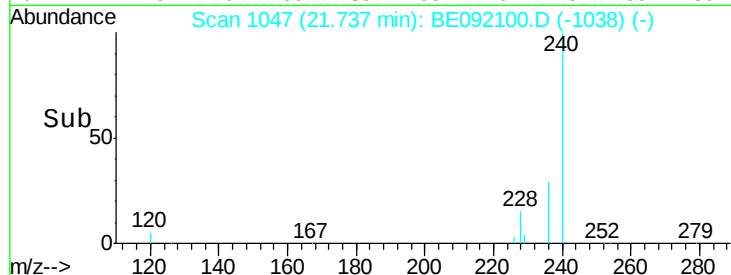
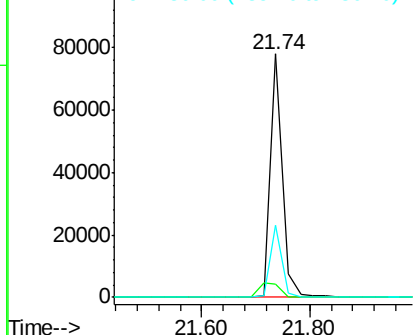
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.5   | 0.6   | 1.0#  |
| 236     | 29.4  | 18.2  | 27.4# |

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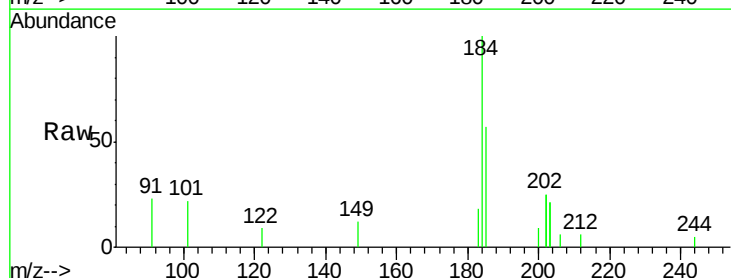


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

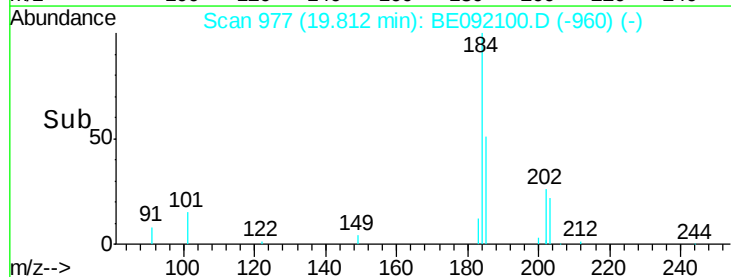
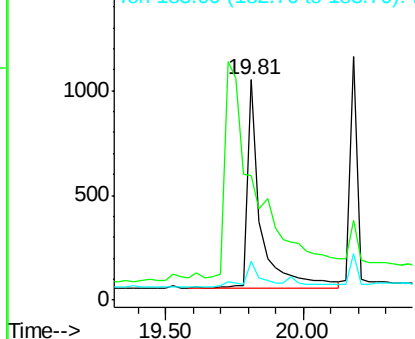


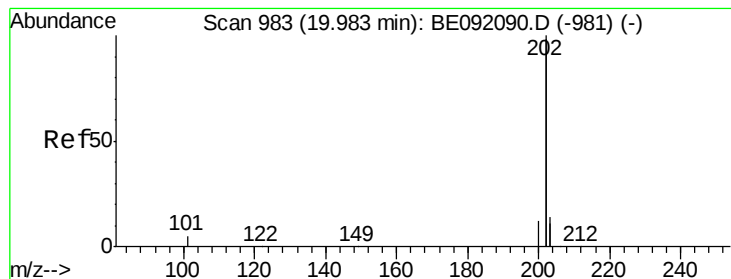
#32  
Benzidine  
Concen: 0.56 ng  
RT: 19.81 min Scan# 977  
Delta R.T. -0.03 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 56.7  | 23.8  | 35.6# |
| 183     | 17.6  | 20.7  | 31.1# |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 4.47 ng

RT: 19.98 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

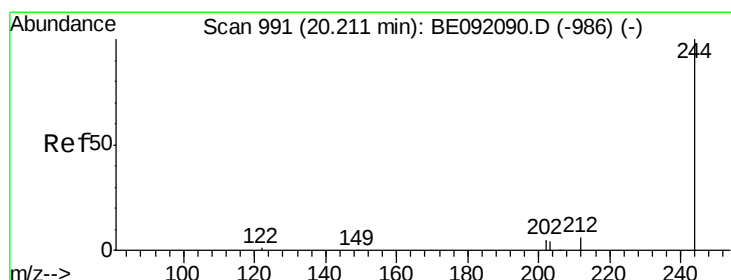
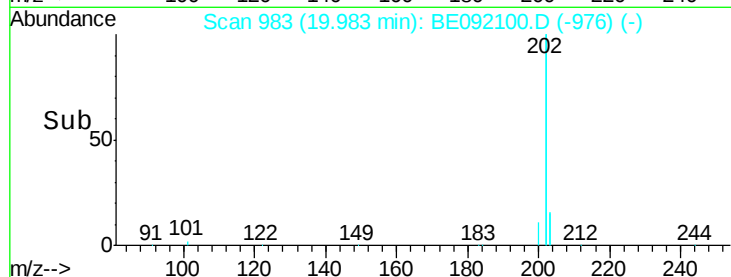
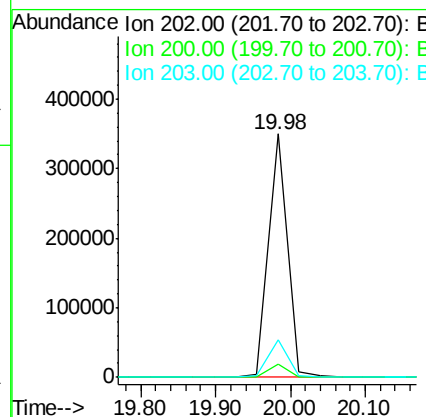
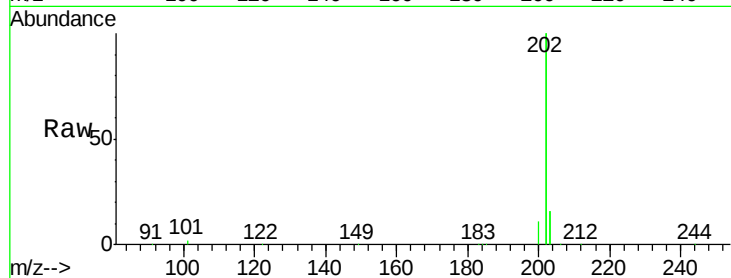
ClientSampleId :

TILCON-MH-SF-004MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 618152 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 5.4   | 4.4   | 6.6    |
| 203       | 16.2  | 13.4  | 20.0   |

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#34

Terphenyl-d14

Concen: 4.29 ng

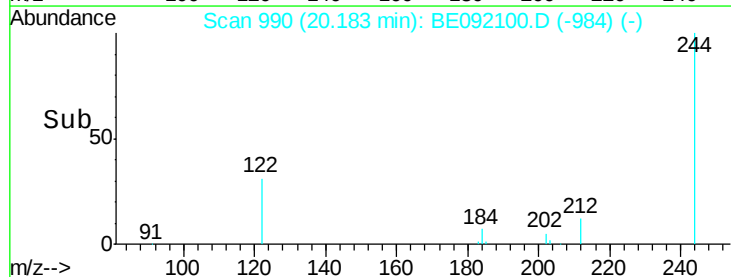
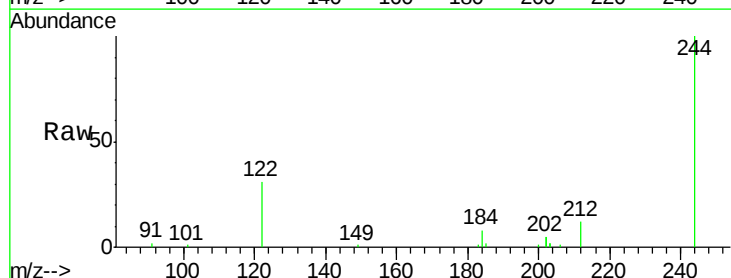
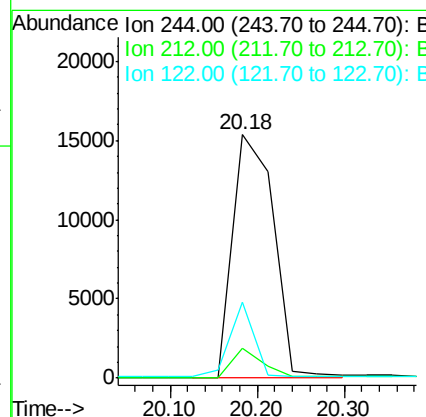
RT: 20.18 min Scan# 990

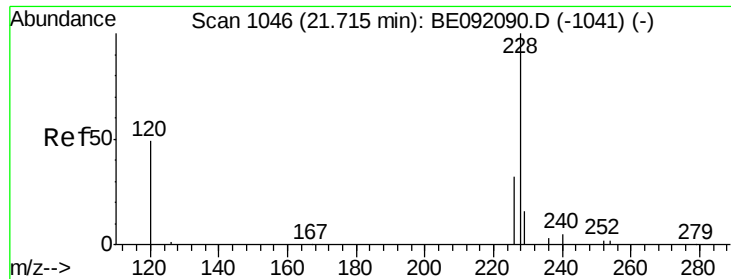
Delta R.T. -0.03 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 49791 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 12.1  | 9.1   | 13.7  |
| 122       | 31.2  | 11.0  | 16.4  |





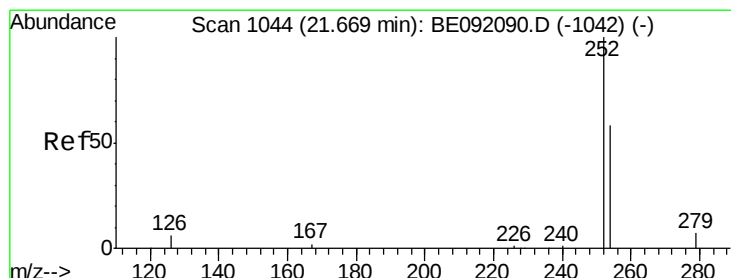
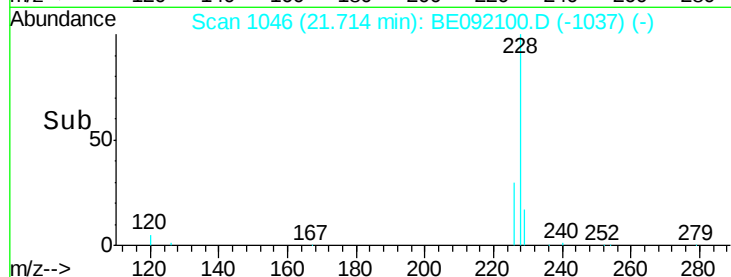
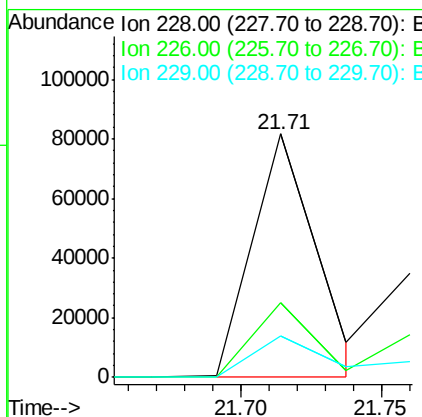
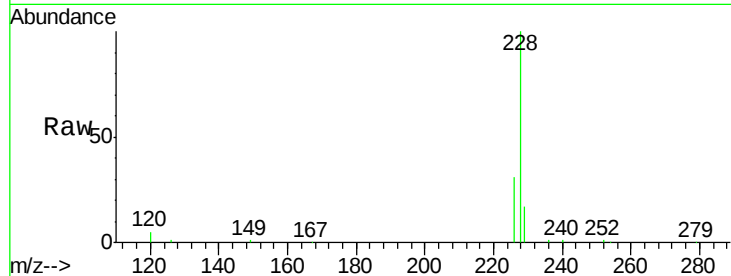
#35  
Benzo(a)anthracene  
Concen: 4.47 ng/mL  
RT: 21.71 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 129305 |       |       |
| 226     | 30.5  |        | 22.1  | 33.1  |
| 229     | 17.1  |        | 15.1  | 22.7  |

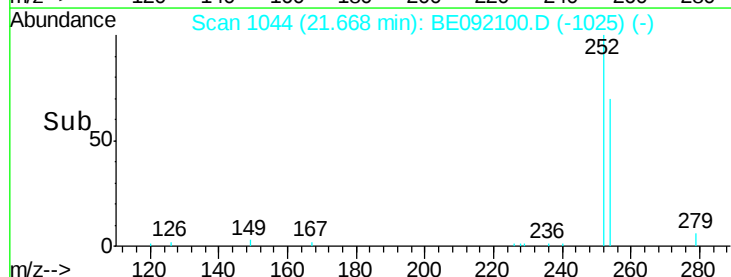
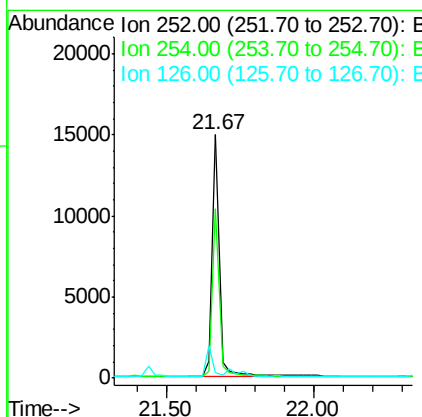
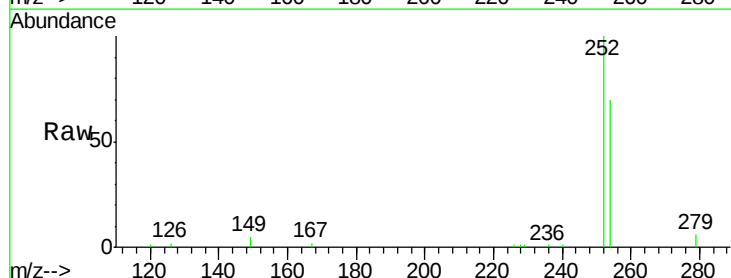
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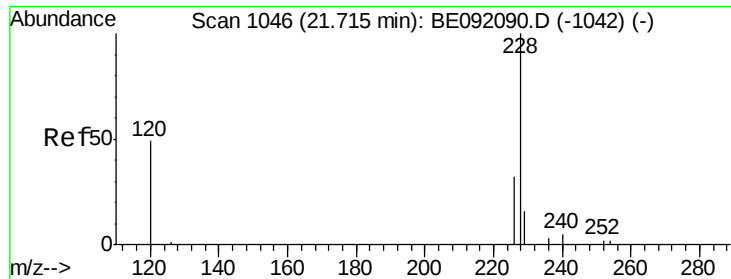
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#36  
3,3'-Dichlorobenzidine  
Concen: 2.34 ng/mL  
RT: 21.67 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 25622 |       |       |
| 254     | 69.8  |       | 44.2  | 66.2# |
| 126     | 2.4   |       | 10.6  | 15.8# |





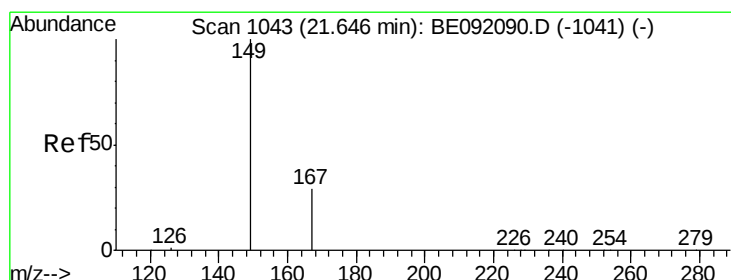
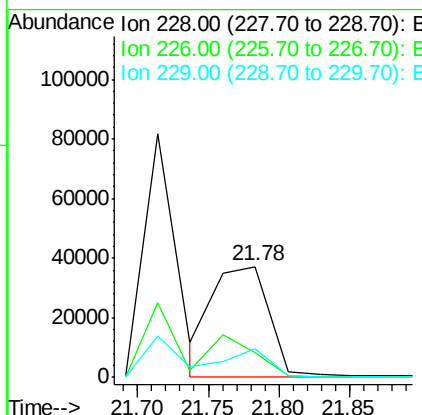
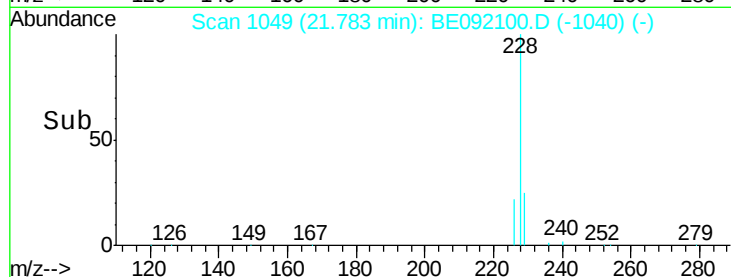
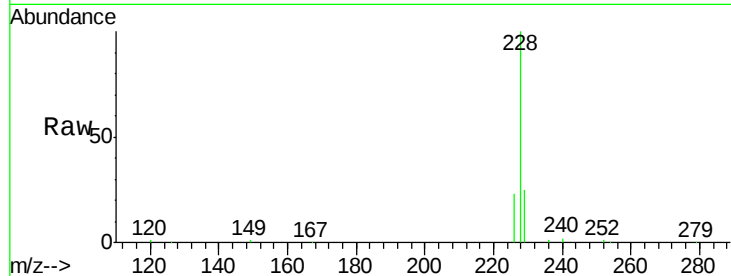
#37  
Chrysene  
Concen: 3.58 ng/ml  
RT: 21.78 min Scan# 1049  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 22.5  | 22.3  | 33.5  |
| 229     | 25.5  | 16.9  | 25.3  |

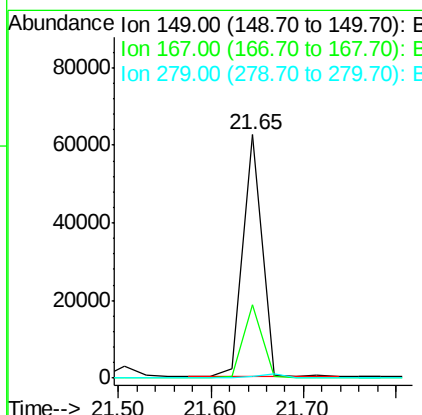
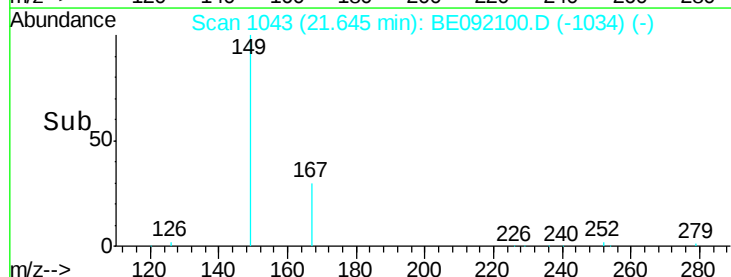
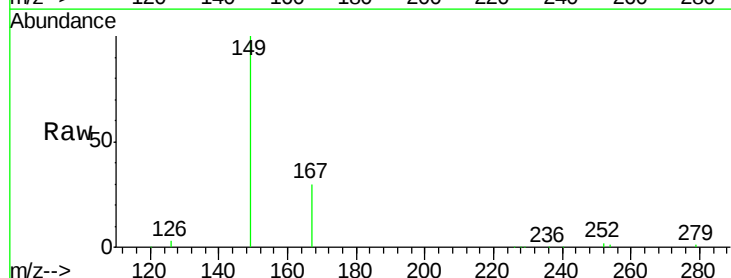
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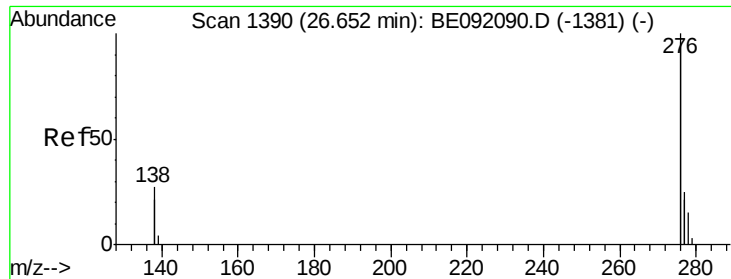
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#38  
Bis(2-ethylhexyl)phthalate  
Concen: 3.79 ng/ml  
RT: 21.65 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.4  | 3.8   | 5.6   |
| 279     | 0.0   | 0.0   | 0.0   |





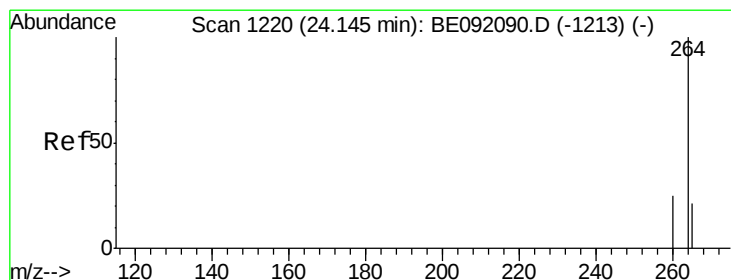
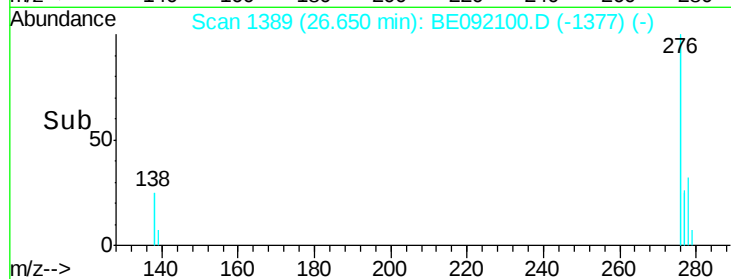
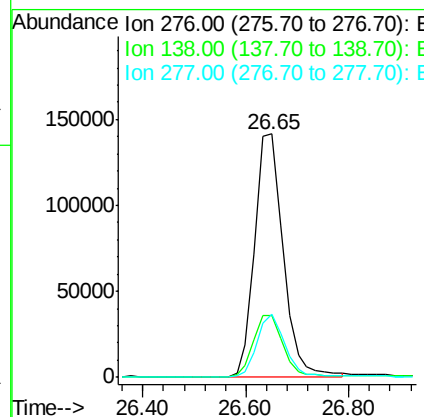
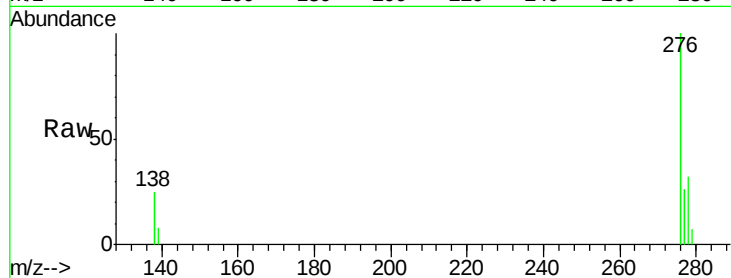
#39  
Indeno(1,2,3-cd)pyrene  
Concen: 4.16 ng  
RT: 26.65 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 21.2  | 31.8  |
| 277     | 24.8  | 19.8  | 29.8  |

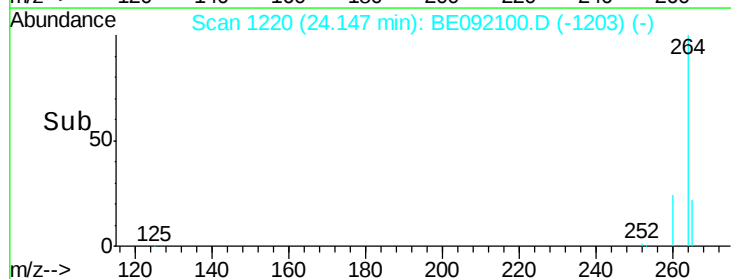
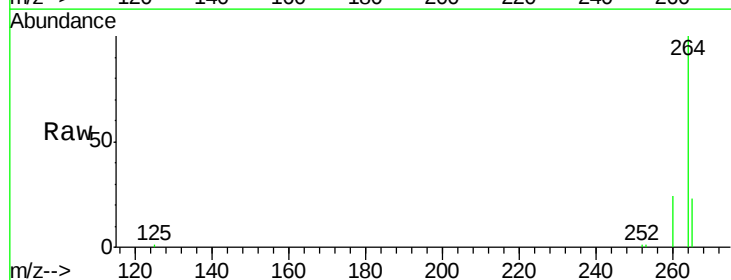
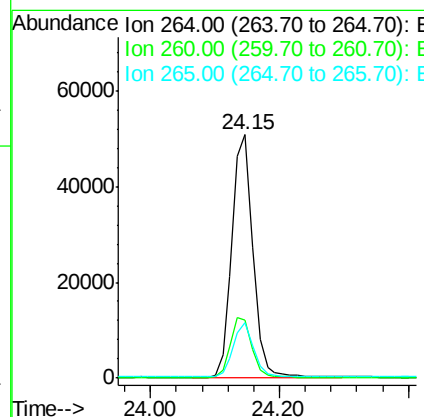
Manual Integrations  
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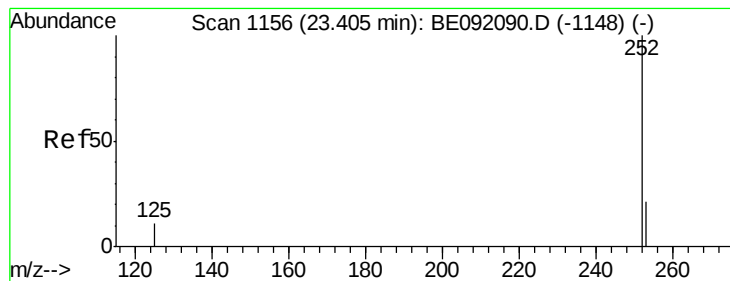
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#40  
Perylene-d12  
Concen: 5.00 ng  
RT: 24.15 min Scan# 1220  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 20.8  | 31.2  |
| 265     | 22.5  | 16.6  | 25.0  |





#41

Benzo(b)fluoranthene

Concen: 4.50 ng

RT: 23.41 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA\_E

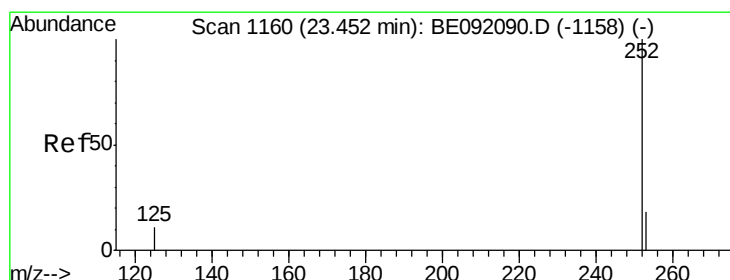
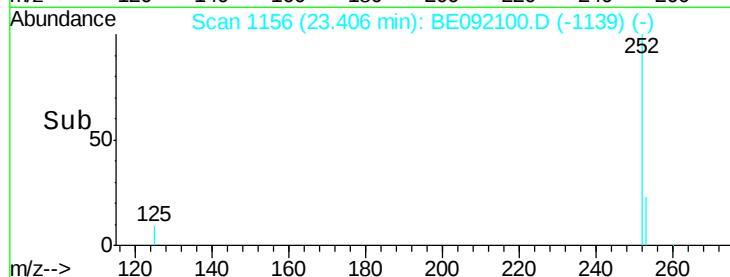
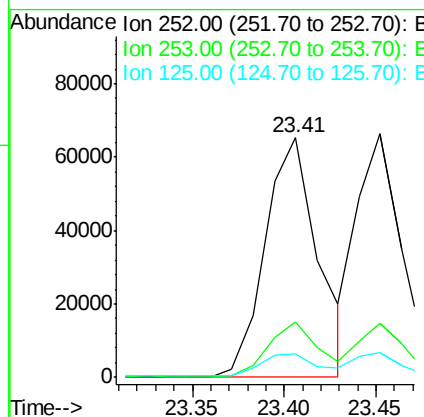
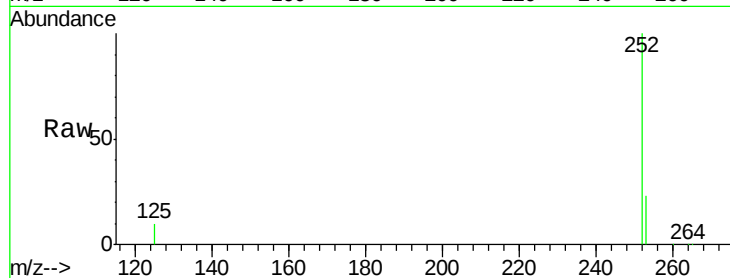
ClientSampleId :

TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.4  | 26.0  |
| 125     | 9.9   | 10.2  | 15.2  |

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#42

Benzo(k)fluoranthene

Concen: 3.48 ng

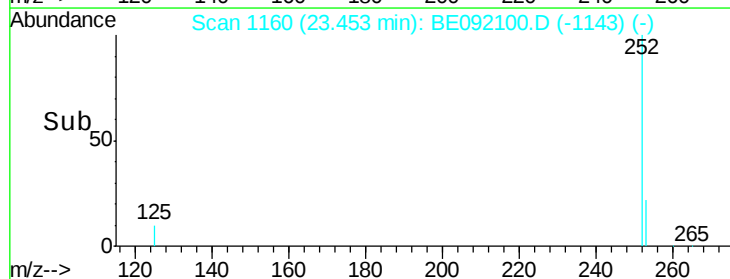
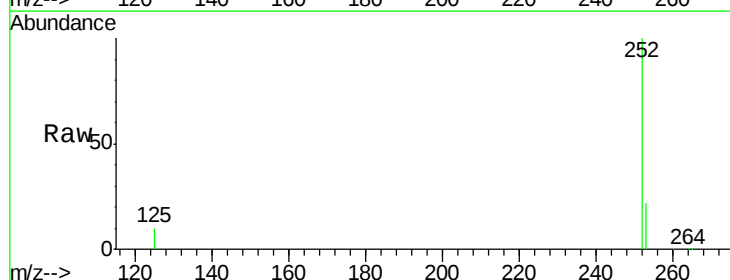
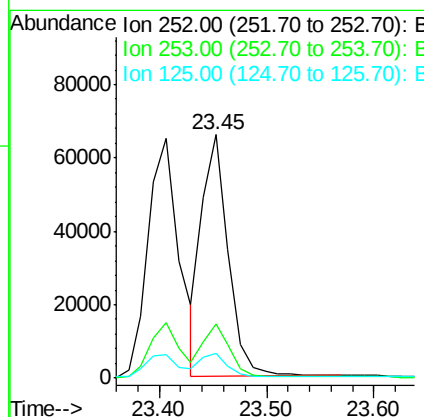
RT: 23.45 min Scan# 1160

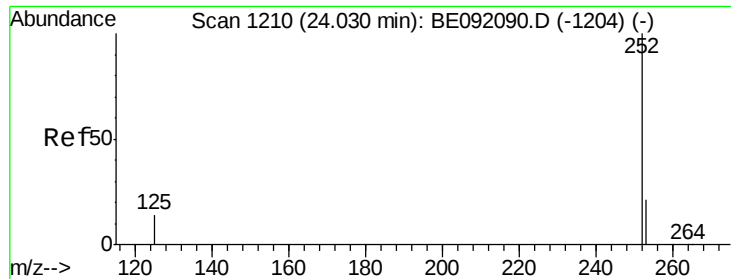
Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 19.4  | 29.0  |
| 125     | 10.2  | 8.9   | 13.3  |





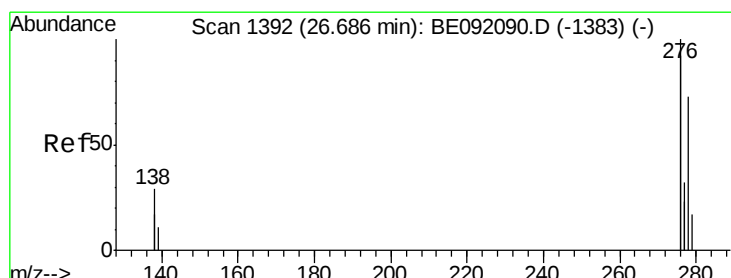
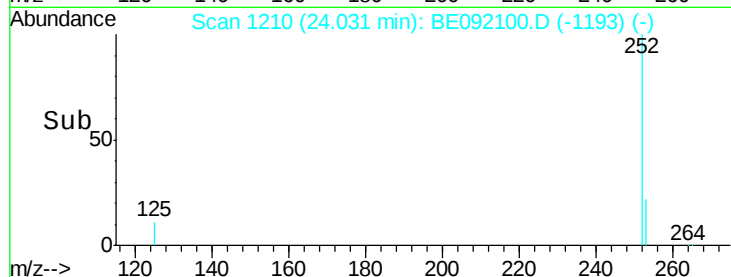
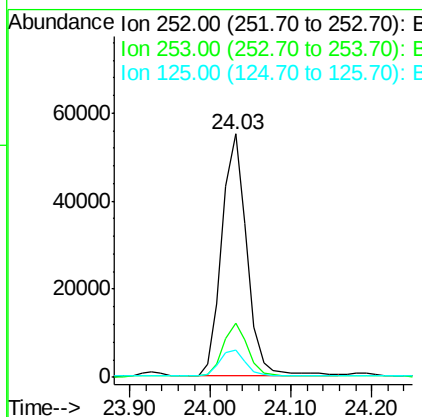
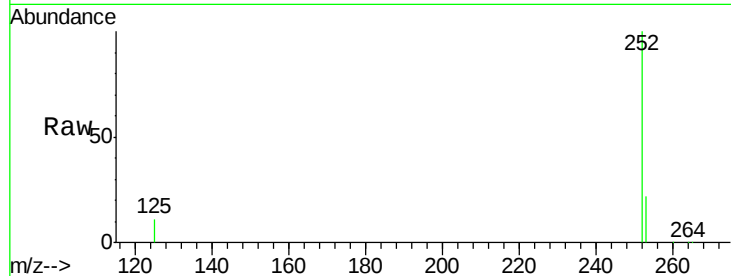
#43  
Benzo(a)pyrene  
Concen: 4.03 ng  
RT: 24.03 min Scan# 1210  
Delta R.T. 0.00 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-004MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 19.8  | 29.8  |
| 125     | 11.4  | 10.4  | 15.6  |

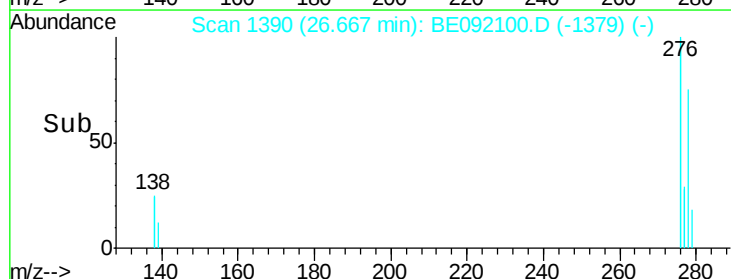
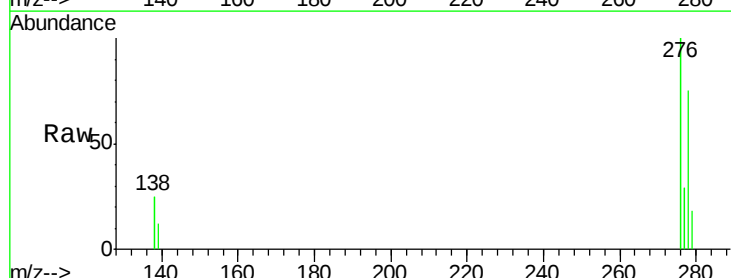
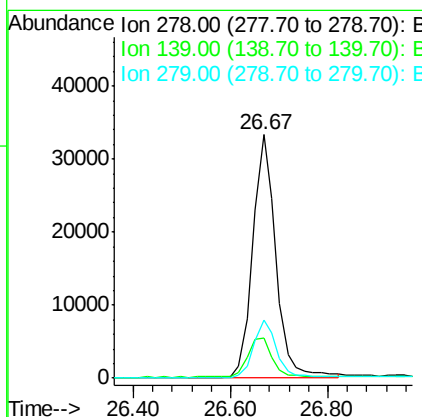
Manual Integrations  
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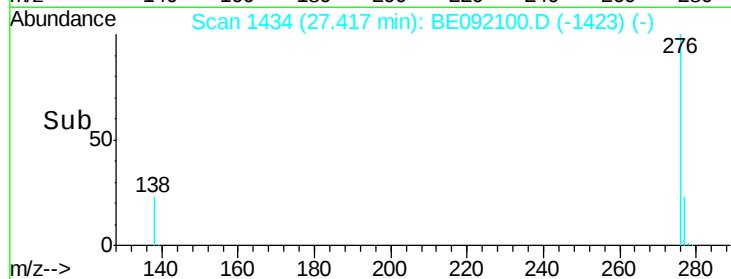
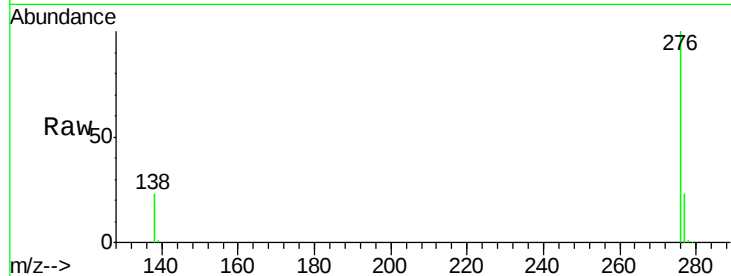
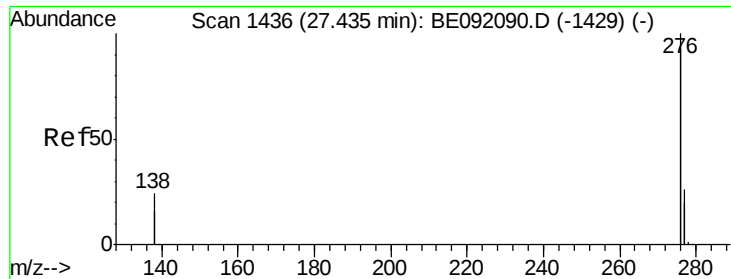
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#44  
Dibenzo(a,h)anthracene  
Concen: 4.02 ng  
RT: 26.67 min Scan# 1390  
Delta R.T. -0.02 min  
Lab File: BE092100.D  
Acq: 1 Aug 2016 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.4  | 16.7  | 25.1# |
| 279     | 23.8  | 20.3  | 30.5  |





#45

Benzo(a,h,i)perylene

Concen: 4.03 ng

RT: 27.42 min Scan# 1434

Delta R.T. -0.02 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 465344 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.3  | 19.5  | 29.3   |
| 138       | 22.7  | 20.8  | 31.2   |

Instrument :

BNA\_E

ClientSampleId :

TILCON-MH-SF-004MS

Manual Integrations  
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