

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050316\  
 Data File : BE091748.D  
 Acq On : 3 May 2016 18:00  
 Operator : UM/SJ  
 Sample : H2809-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TILCON-MH-SF-003MSD

Manual Integrations  
 APPROVED

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 5/4/2016 6:50:32 PM

Quant Time: May 04 01:33:38 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 26 16:09:46 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 43470    | 5.00  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.57 | 136  | 206335   | 5.00  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.41 | 164  | 124802   | 5.00  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.15 | 188  | 300127   | 5.00  | ng    | 0.00     |
| 26) Chrysene-d12               | 21.31 | 240  | 318414   | 5.00  | ng    | 0.00     |
| 35) Perylene-d12               | 23.75 | 264  | 328778   | 5.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.39  | 112  | 92338    | 8.65  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.95  | 99   | 137582   | 9.72  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.95  | 82   | 59286    | 4.45  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.89 | 330  | 39080    | 8.40  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.03 | 172  | 156467   | 4.43  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.76 | 244  | 241531   | 4.86  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.33  | 88   | 17955    | 3.52  | ng    | # 84     |
| 3) n-Nitrosodimethylamine      | 3.63  | 42   | 33155    | 4.20  | ng    | 90       |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93   | 52403    | 4.21  | ng    | # 77     |
| 9) Nitrobenzene                | 8.99  | 77   | 61968    | 4.45  | ng    | 93       |
| 10) Naphthalene                | 10.61 | 128  | 177458   | 4.26  | ng    | 97       |
| 11) Hexachlorobutadiene        | 10.90 | 225  | 28442    | 4.62  | ng    | 98       |
| 12) 2-Methylnaphthalene        | 12.23 | 142  | 127942   | 4.78  | ng    | 99       |
| 16) Acenaphthylene             | 14.12 | 152  | 227640   | 4.74  | ng    | # 86     |
| 17) Acenaphthene               | 14.47 | 154  | 139565   | 4.48  | ng    | 95       |
| 18) Fluorene                   | 15.45 | 166  | 173648   | 4.49  | ng    | 97       |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248  | 49299    | 4.57  | ng    | 94       |
| 21) Hexachlorobenzene          | 16.45 | 284  | 50147    | 4.65  | ng    | 99       |
| 22) Pentachlorophenol          | 16.79 | 266  | 55389    | 9.47  | ng    | 90       |
| 23) Phenanthrene               | 17.18 | 178  | 306141   | 4.49  | ng    | 99       |
| 24) Anthracene                 | 17.28 | 178  | 295765   | 4.81  | ng    | 98       |
| 25) Fluoranthene               | 19.19 | 202  | 371840   | 5.22  | ng    | # 96     |
| 27) Benzidine                  | 19.38 | 184  | 55726    | 2.30  | ng    | # 77     |
| 28) Pyrene                     | 19.55 | 202  | 399760   | 5.56  | ng    | 99       |
| 30) Benzo(a)anthracene         | 21.29 | 228  | 360846   | 4.64  | ng    | 93       |
| 31) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 49649    | 1.25  | ng    | # 85     |
| 32) Chrysene                   | 21.33 | 228  | 418503m  | 5.18  | ng    |          |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 249431   | 10.59 | ng    | # 86     |
| 34) Indeno(1,2,3-cd)pyrene     | 26.29 | 276  | 377731   | 5.25  | ng    | 95       |
| 36) Benzo(b)fluoranthene       | 23.00 | 252  | 384609   | 4.99  | ng    | # 94     |
| 37) Benzo(k)fluoranthene       | 23.04 | 252  | 323162   | 4.13  | ng    | # 96     |
| 38) Benzo(a)pyrene             | 23.63 | 252  | 344488   | 4.75  | ng    | # 97     |
| 39) Dibenzo(a,h)anthracene     | 26.33 | 278  | 312450   | 4.55  | ng    | # 94     |
| 40) Benzo(g,h,i)perylene       | 27.09 | 276  | 320722   | 4.59  | ng    | # 94     |

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

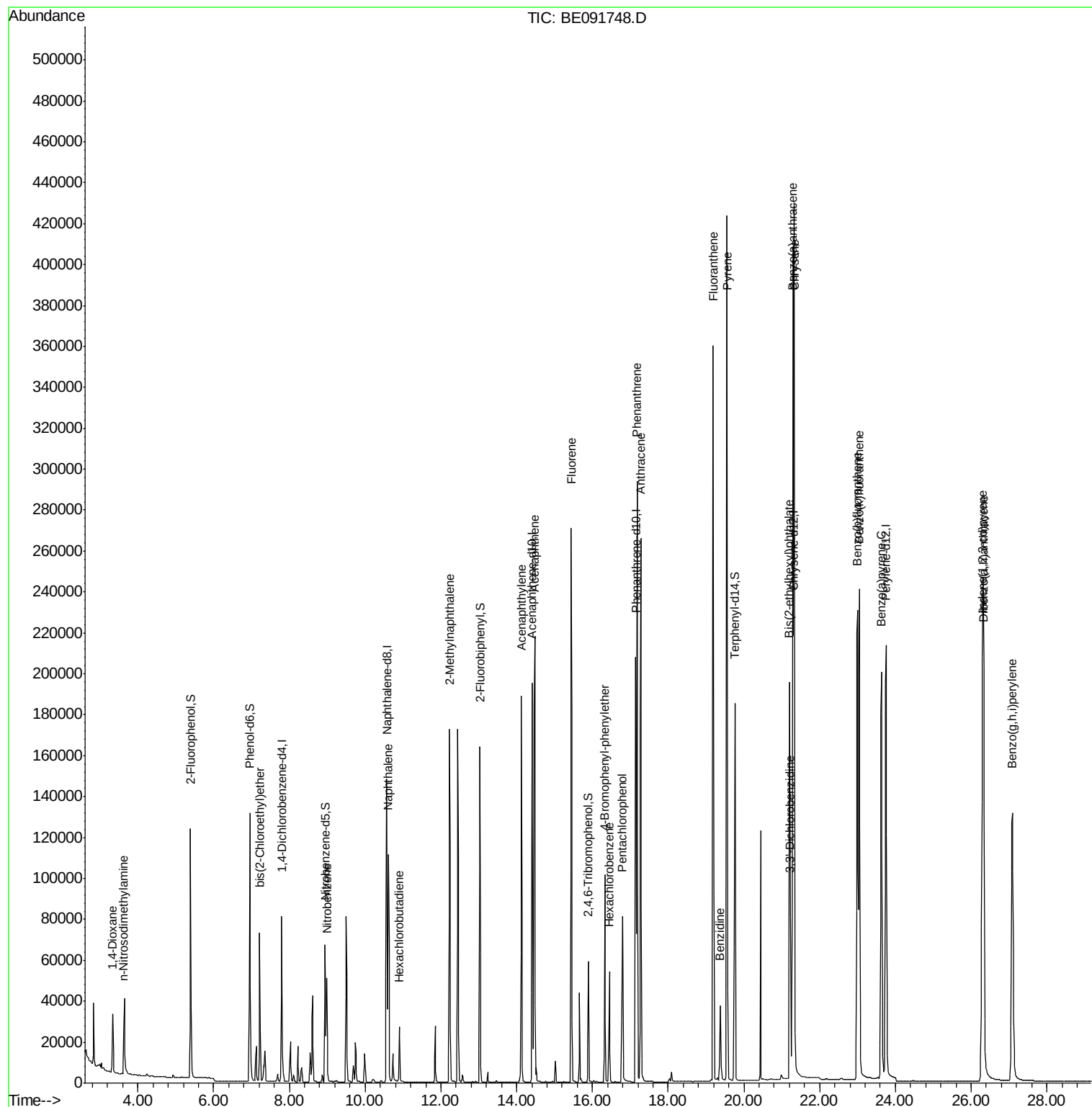
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050316\  
Data File : BE091748.D  
Acq On : 3 May 2016 18:00  
Operator : UM/SJ  
Sample : H2809-01MSD  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

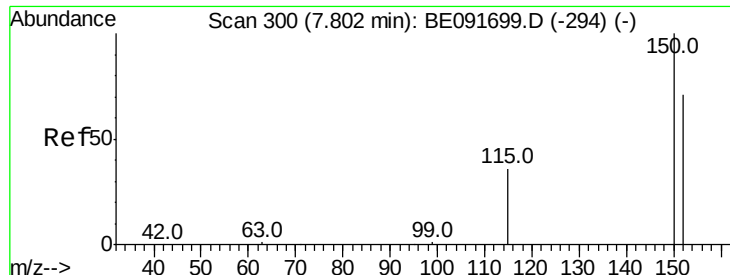
Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

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5/4/2016 6:50:32 PM

Quant Time: May 04 01:33:38 2016  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 26 16:09:46 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

Instrument :

BNA\_E

ClientSampleId :

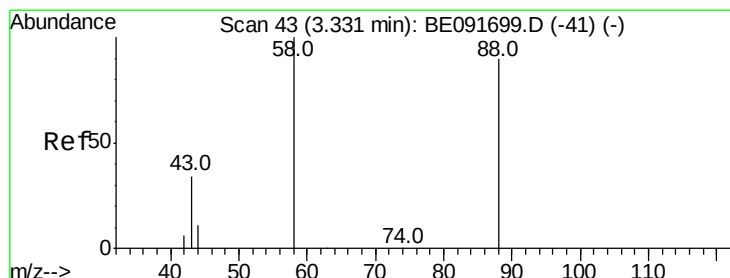
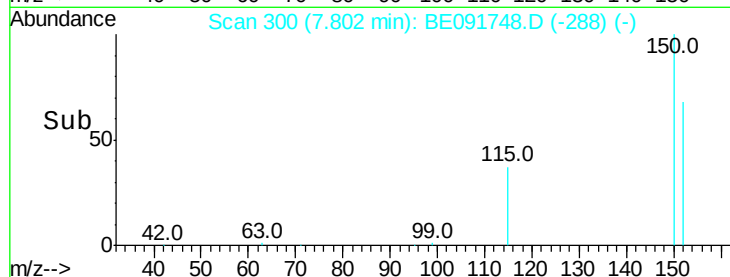
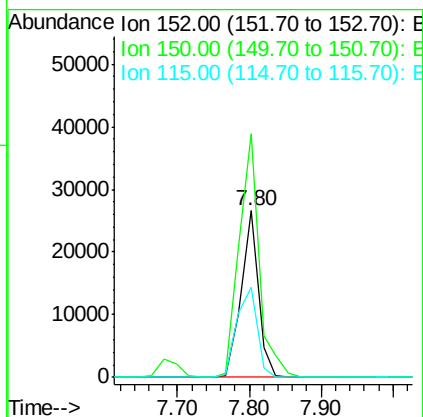
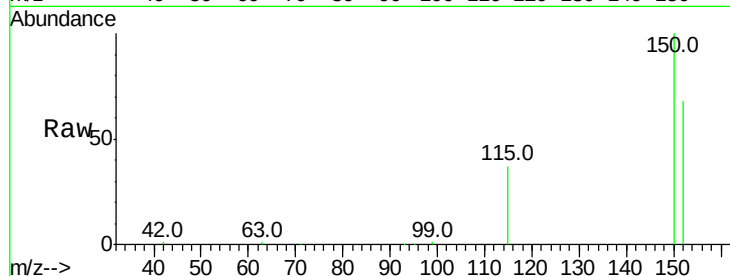
TILCON-MH-SF-003MSD

Manual Integrations  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 43470 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 146.0 | 122.6 | 183.8 |
| 115      | 53.9  | 52.8  | 79.2  |



#2

1,4-Dioxane

Concen: 3.52 ng

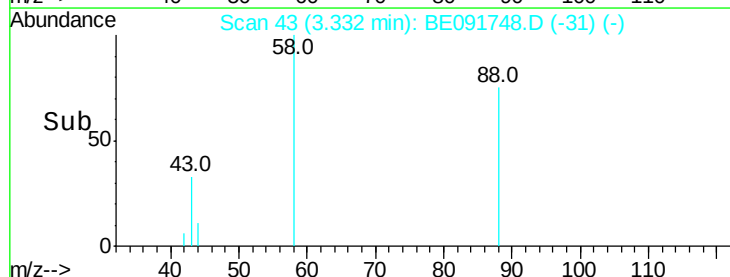
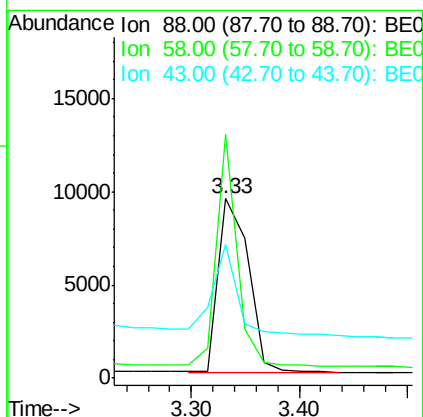
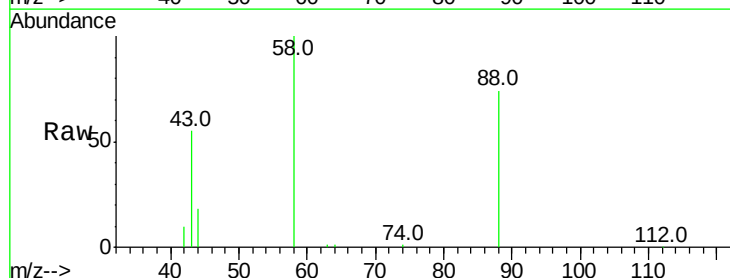
RT: 3.33 min Scan# 43

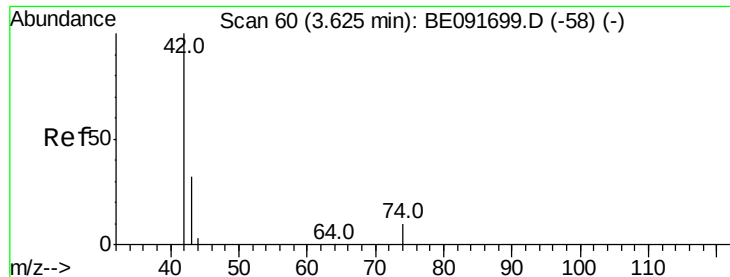
Delta R.T. 0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 17955 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 91.9  | 65.8  | 98.6  |
| 43       | 47.2  | 25.3  | 37.9# |





#3

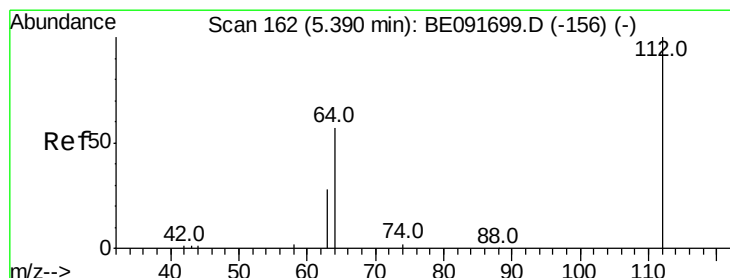
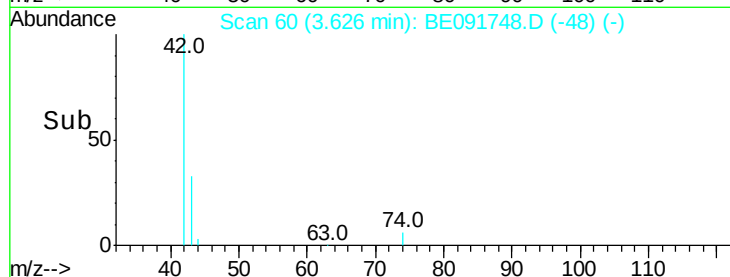
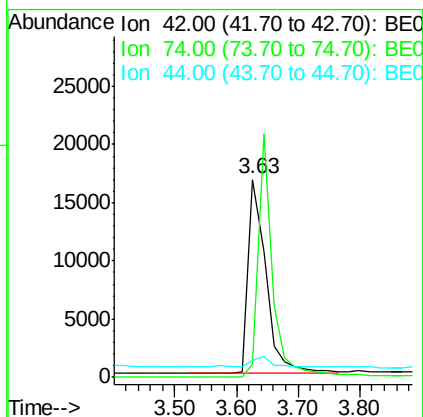
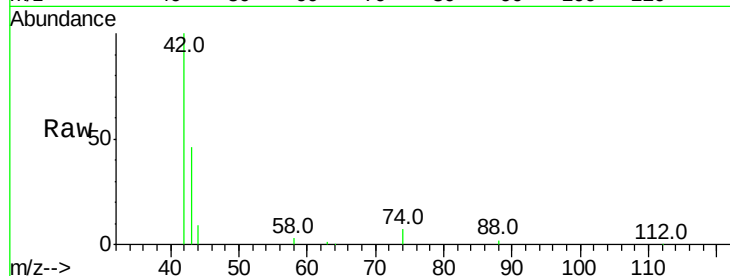
n-Nitrosodimethylamine  
Concen: 4.20 ng  
RT: 3.63 min Scan# 60  
Delta R.T. 0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
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ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 99.2  | 87.9  | 131.9 |
| 44      | 6.6   | 6.6   | 9.8   |

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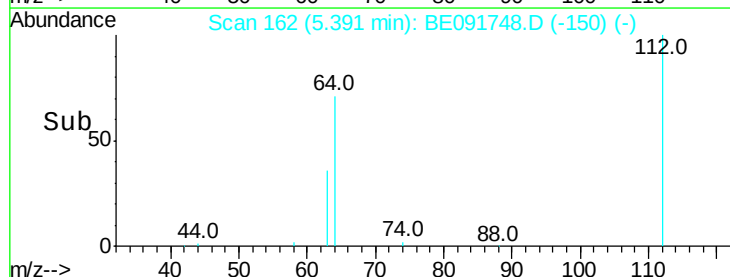
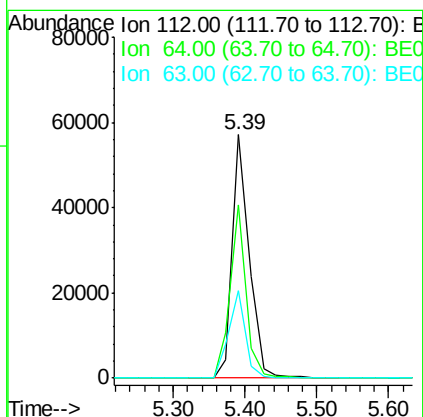
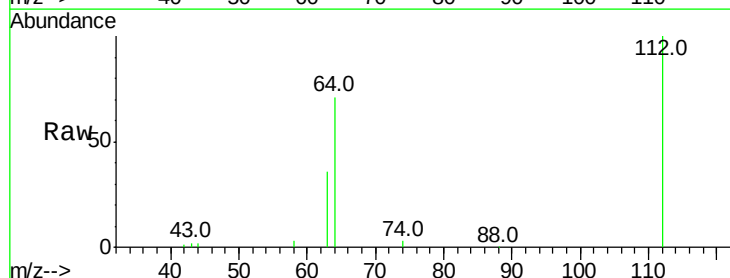
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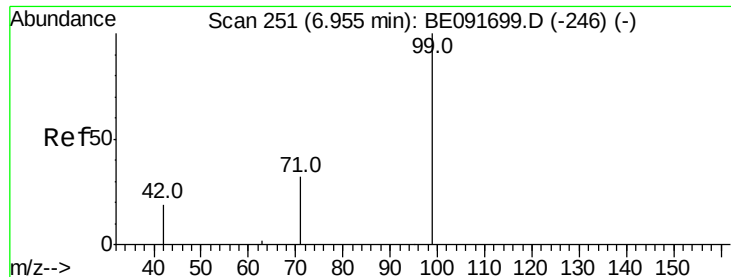


#4

2-Fluorophenol  
Concen: 8.65 ng  
RT: 5.39 min Scan# 162  
Delta R.T. 0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.3  | 30.9  | 46.3# |
| 63      | 36.3  | 16.7  | 25.1# |





#5

Phenol-d6

Concen: 9.72 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

Instrument :

BNA\_E

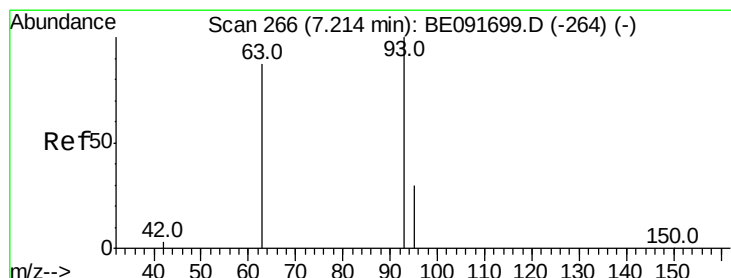
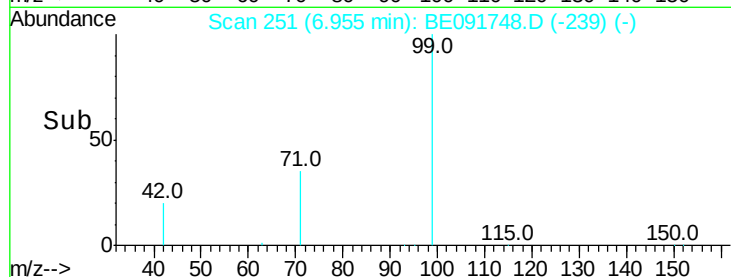
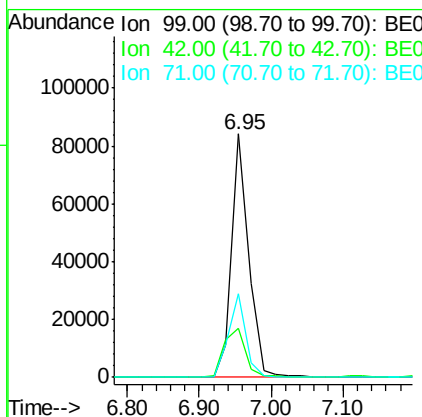
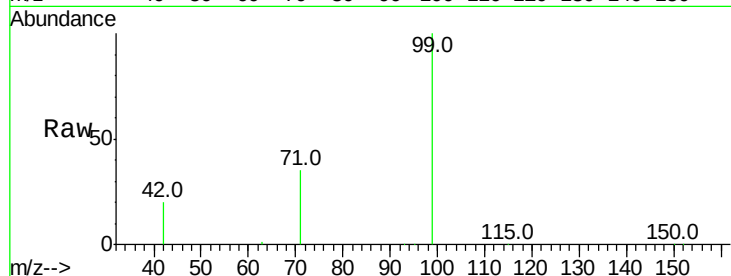
ClientSampleId :

TILCON-MH-SF-003MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 137582 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 25.4  | 16.2  | 24.2#  |
| 71        | 35.1  | 29.0  | 43.4   |

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#6

bis(2-Chloroethyl)ether

Concen: 4.21 ng

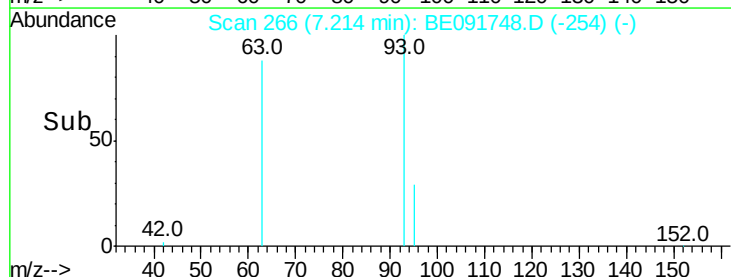
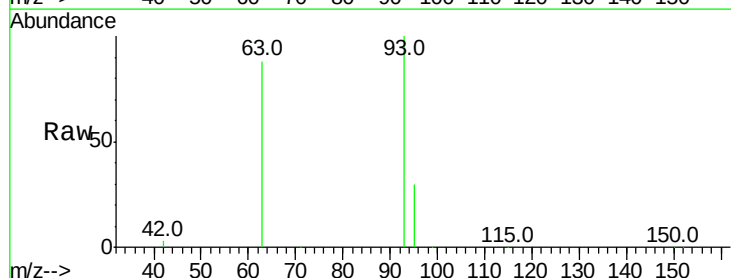
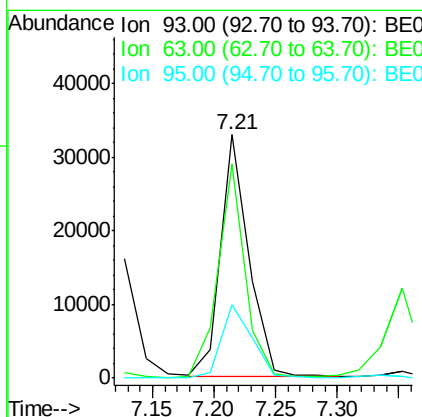
RT: 7.21 min Scan# 266

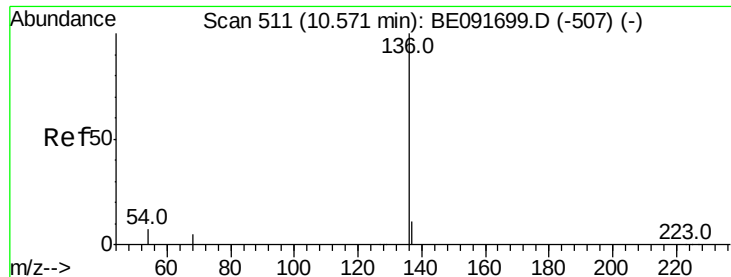
Delta R.T. -0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 52403 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 63        | 84.8  | 49.5  | 74.3# |
| 95        | 32.6  | 22.2  | 33.4  |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091748.D

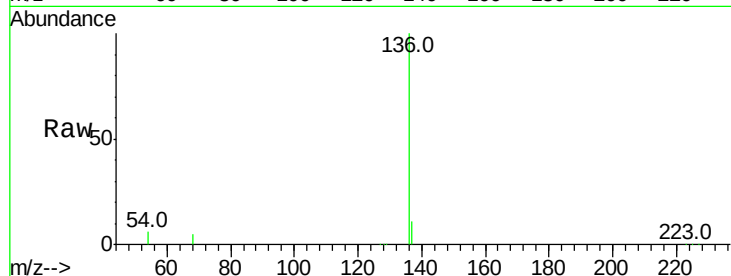
Acq: 3 May 2016 18:00

Instrument :

BNA\_E

ClientSampleId :

TILCON-MH-SF-003MSD



Tot Ion:136 Resp: 206335

Ion Ratio Lower Upper

136 100

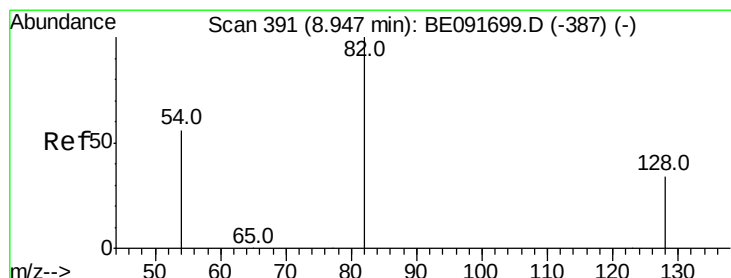
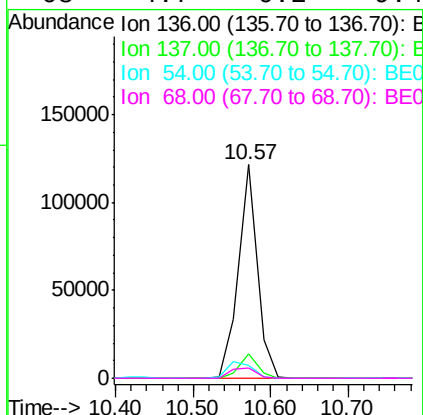
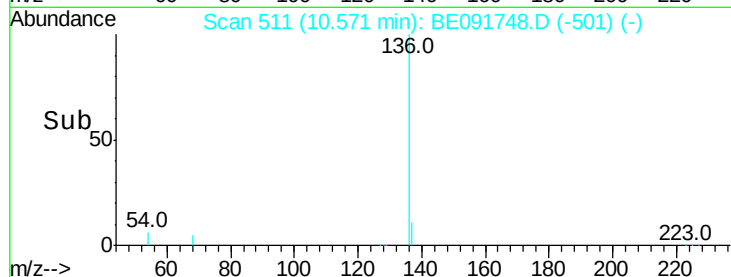
137 11.1 8.9 13.3

54 6.1 8.2 12.4#

68 4.7 6.2 9.4#

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#8

Nitrobenzene-d5

Concen: 4.45 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

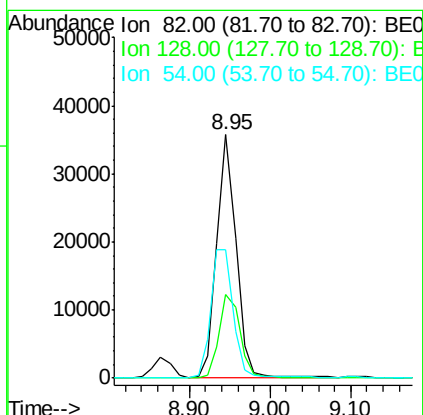
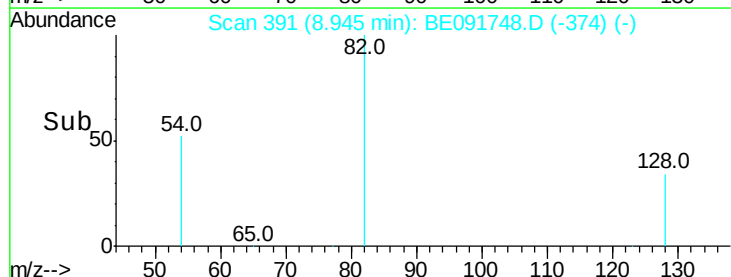
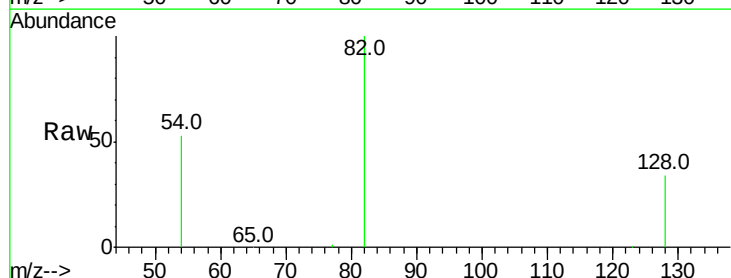
Tgt Ion: 82 Resp: 59286

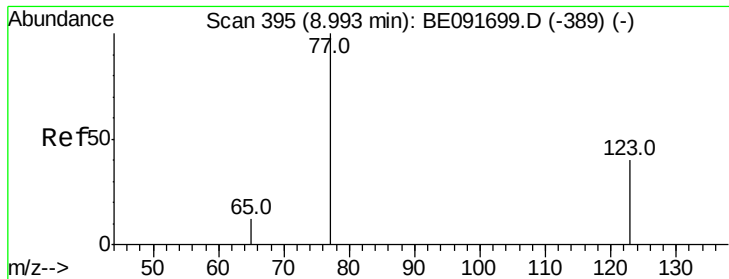
Ion Ratio Lower Upper

82 100

128 34.4 25.4 38.0

54 52.6 48.4 72.6





#9

Nitrobenzene

Concen: 4.45 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.00 min

Lab File: BE091748.D

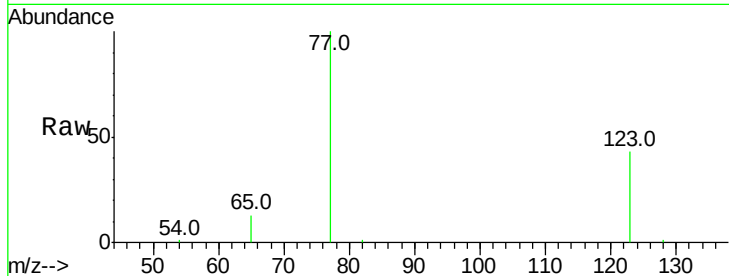
Acq: 3 May 2016 18:00

Instrument :

BNA\_E

ClientSampleId :

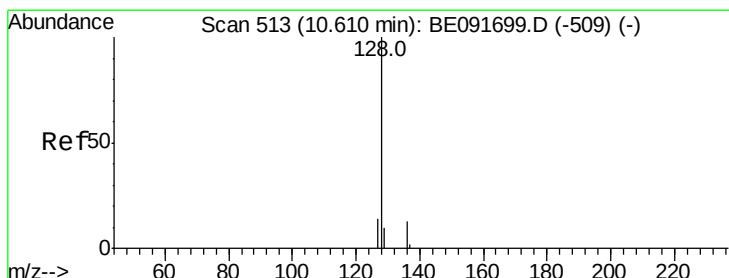
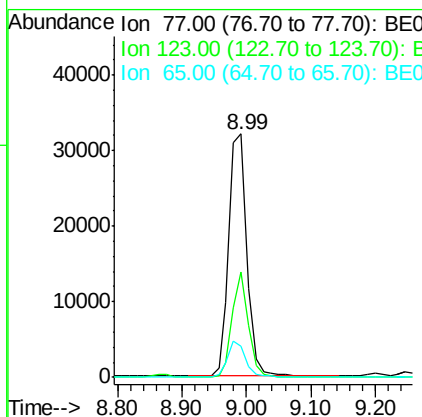
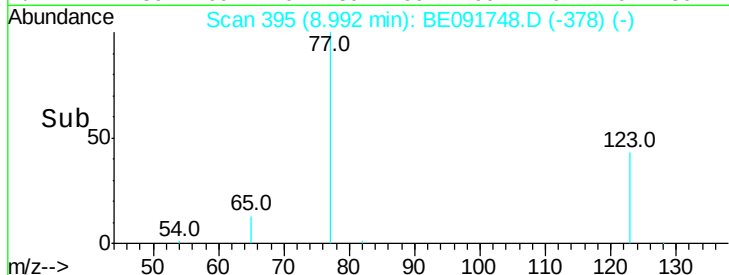
TILCON-MH-SF-003MSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 61968 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 38.2  | 26.9  | 40.3  |
| 65       | 14.1  | 9.4   | 14.2  |

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#10

Naphthalene

Concen: 4.26 ng

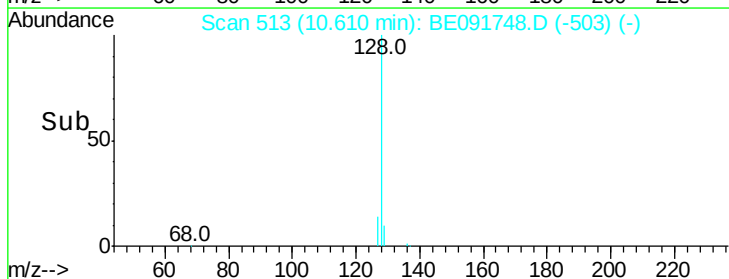
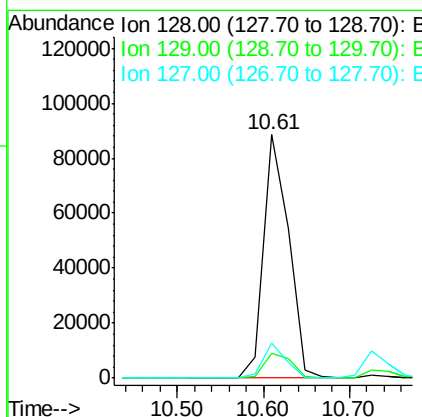
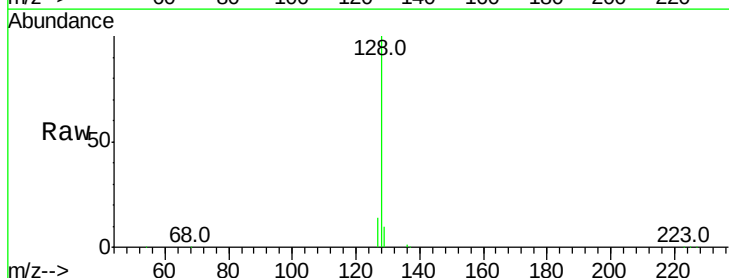
RT: 10.61 min Scan# 513

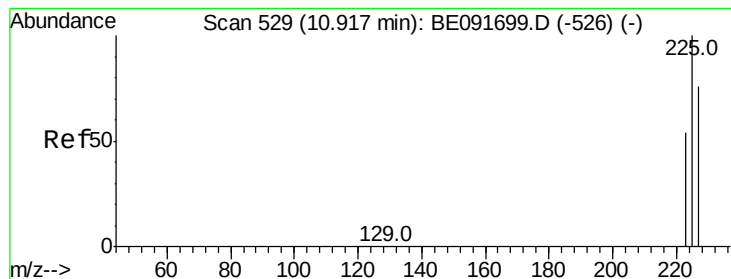
Delta R.T. -0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 177458 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 10.2  | 9.3   | 13.9   |
| 127      | 14.1  | 10.7  | 16.1   |





#11

Hexachlorobutadiene

Concen: 4.62 ng

RT: 10.90 min Scan# 528

Delta R.T. -0.02 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

Instrument :

BNA\_E

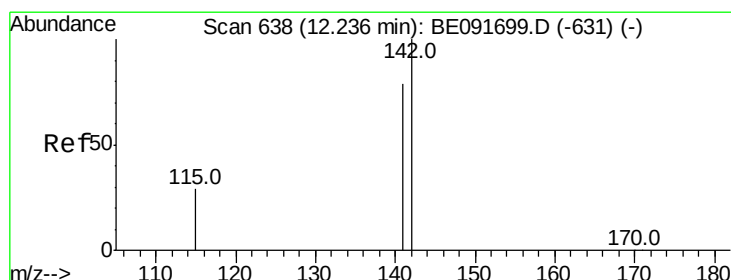
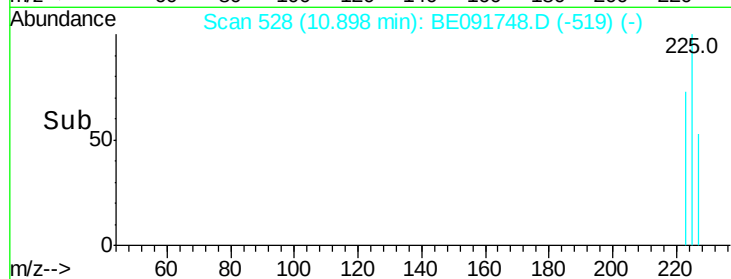
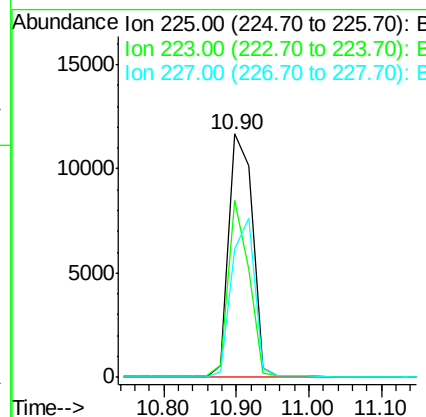
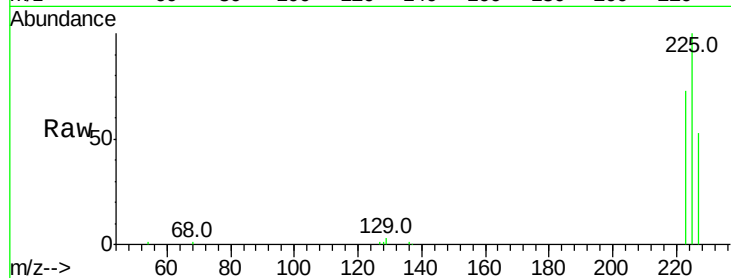
ClientSampleId :

TILCON-MH-SF-003MSD

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 28442 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.0  | 49.0  | 73.6  |
| 227       | 64.0  | 50.3  | 75.5  |



#12

2-Methylnaphthalene

Concen: 4.78 ng

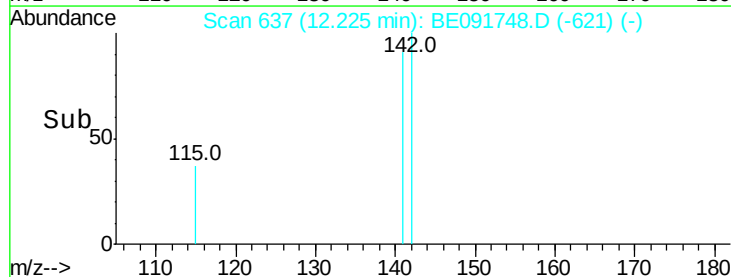
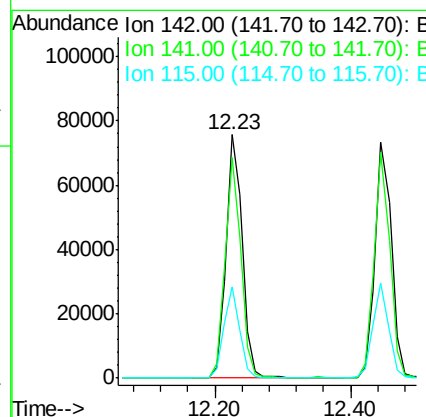
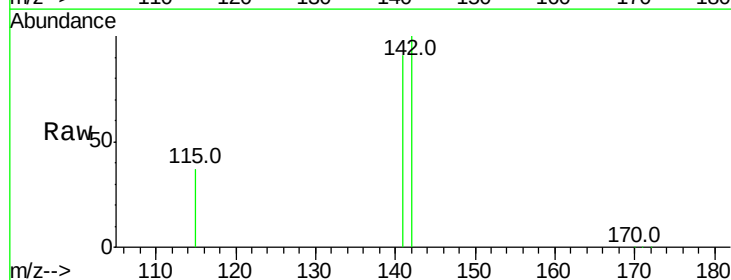
RT: 12.23 min Scan# 637

Delta R.T. -0.01 min

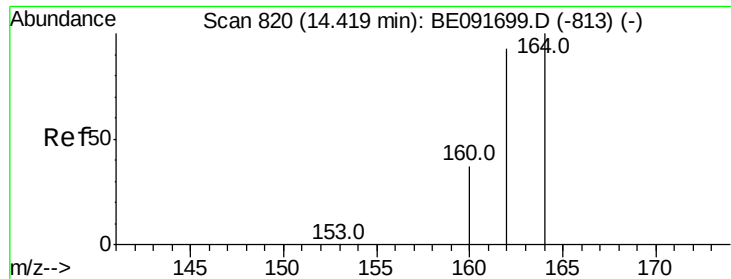
Lab File: BE091748.D

Acq: 3 May 2016 18:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 127942 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 90.8  | 71.4  | 107.0  |
| 115       | 37.4  | 30.3  | 45.5   |







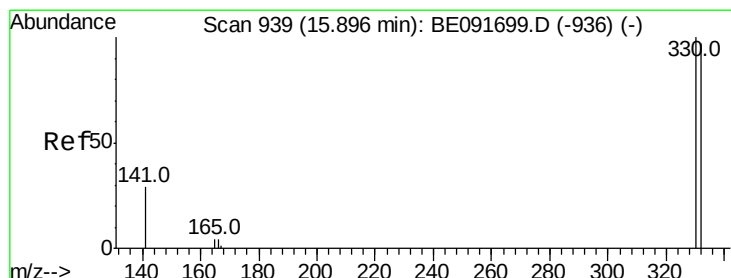
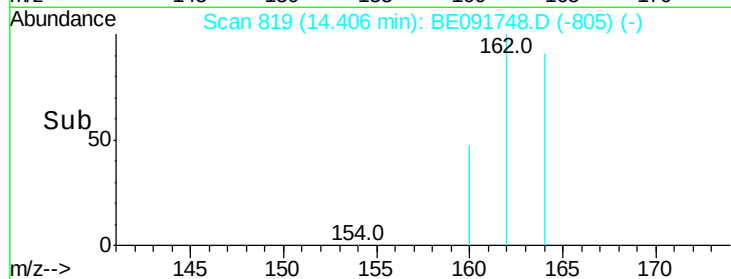
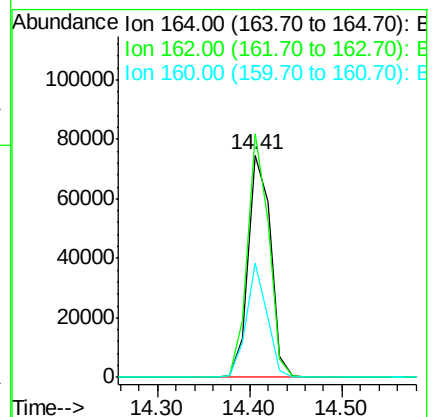
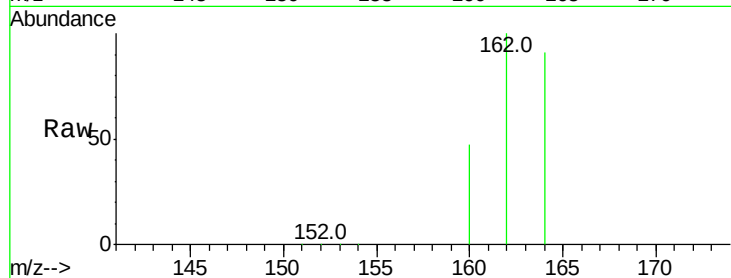
#13  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.41 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

Tot Ion:164 Resp: 124802  
Ion Ratio Lower Upper  
164 100  
162 109.7 85.3 127.9  
160 51.5 46.2 69.2

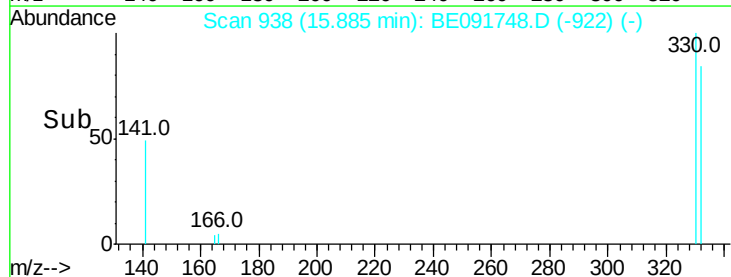
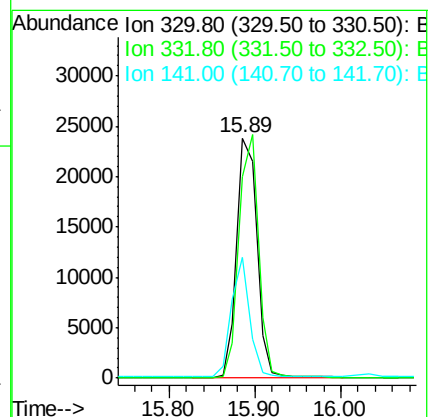
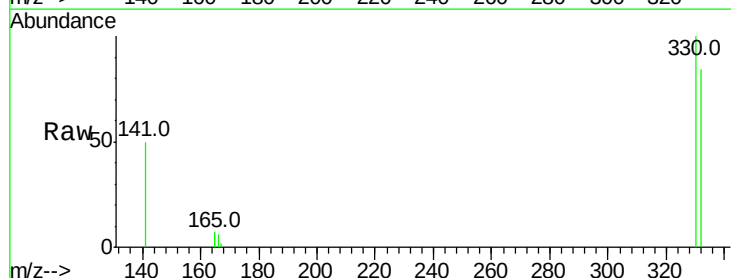
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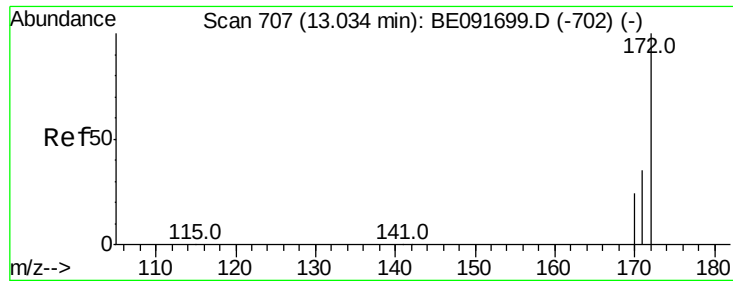
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#14  
2,4,6-Tribromophenol  
Concen: 8.40 ng  
RT: 15.89 min Scan# 938  
Delta R.T. -0.01 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Tgt Ion:330 Resp: 39080  
Ion Ratio Lower Upper  
330 100  
332 97.6 79.1 118.7  
141 44.8 125.4 188.0#





#15

2-Fluorobiphenyl

Concen: 4.43 ng

RT: 13.03 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

Instrument :

BNA\_E

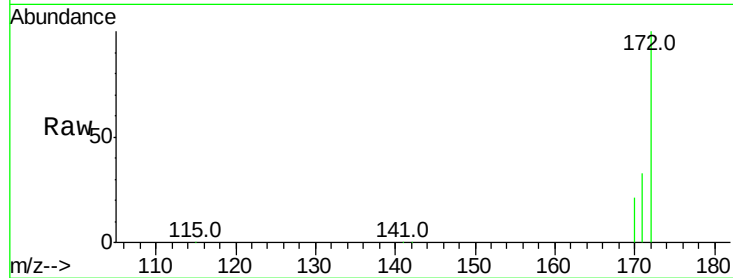
ClientSampleId :

TILCON-MH-SF-003MSD

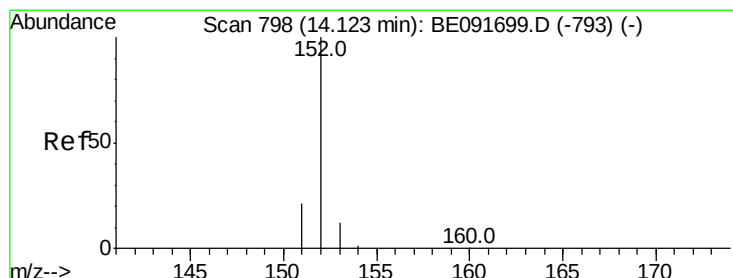
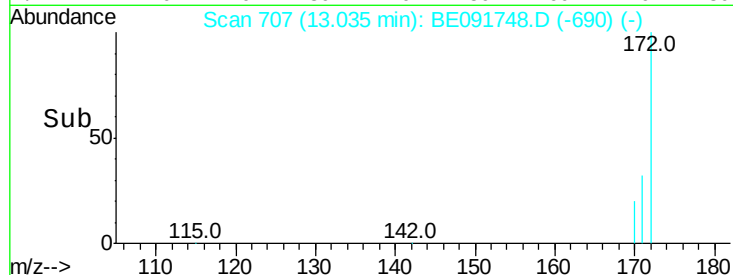
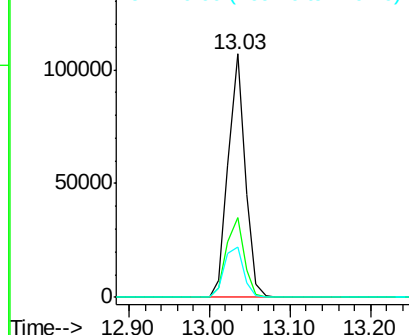
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 172   | Resp: | 156467 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 32.6  | 28.8  | 43.2   |
| 170       | 20.6  | 19.3  | 28.9   |

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Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 4.74 ng

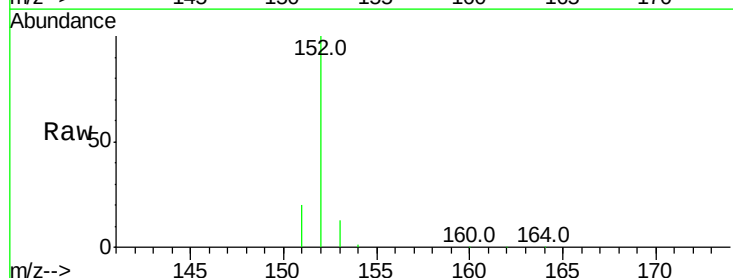
RT: 14.12 min Scan# 798

Delta R.T. -0.00 min

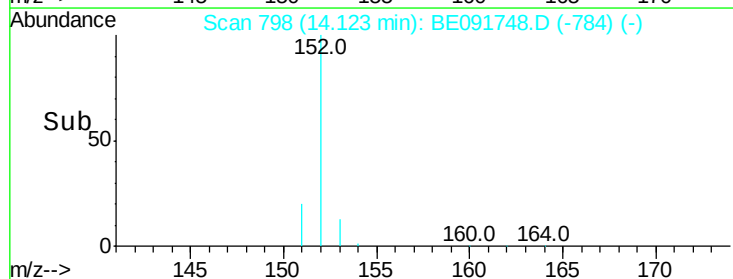
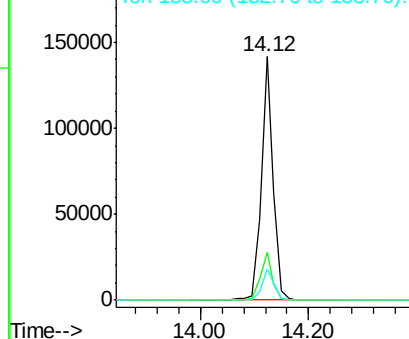
Lab File: BE091748.D

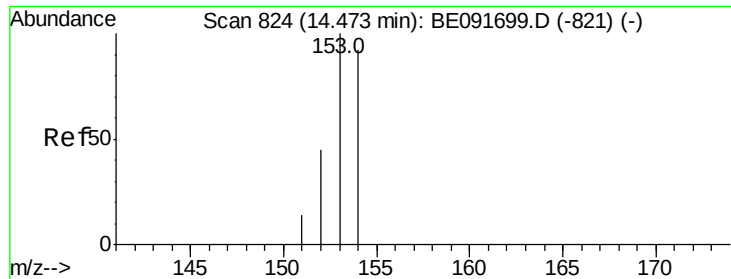
Acq: 3 May 2016 18:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 227640 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.9  | 3.9   | 5.9#   |
| 153       | 13.5  | 10.3  | 15.5   |



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





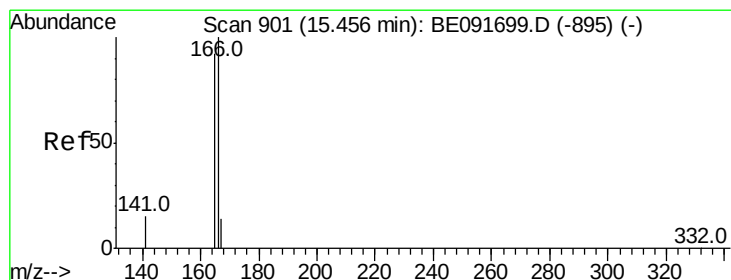
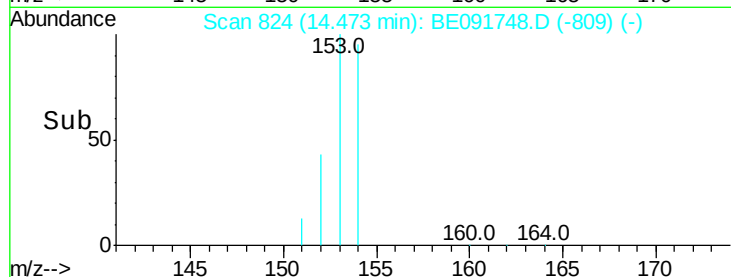
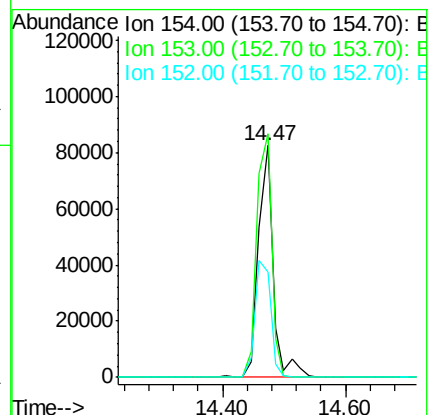
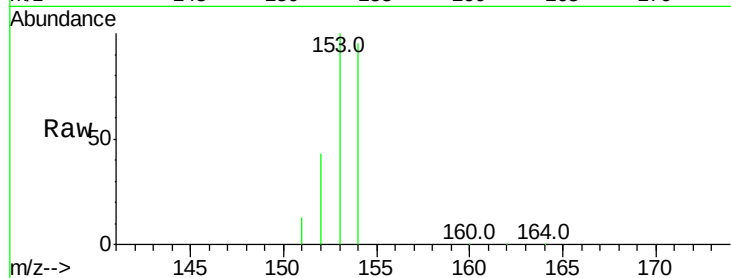
#17  
Acenaphthene  
Concen: 4.48 ng  
RT: 14.47 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 106.2 | 80.0  | 120.0 |
| 152     | 52.6  | 40.0  | 60.0  |

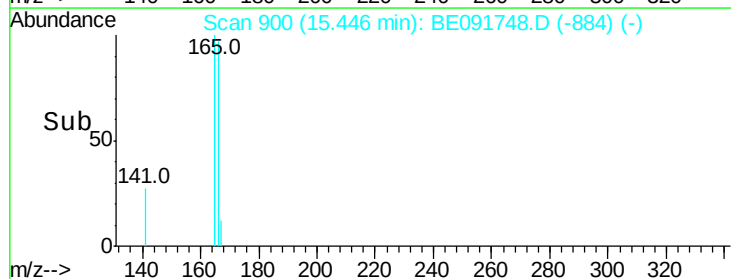
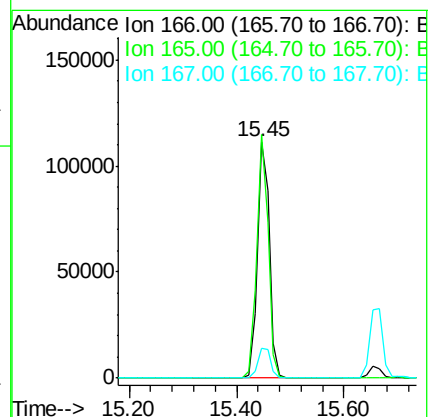
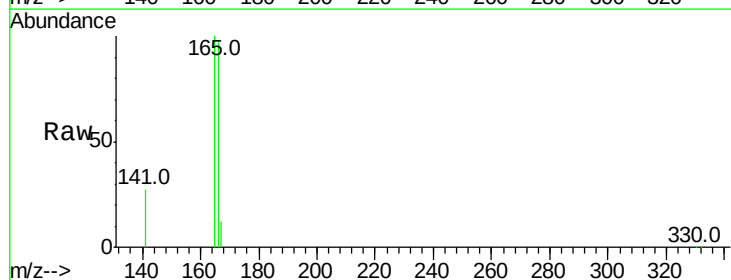
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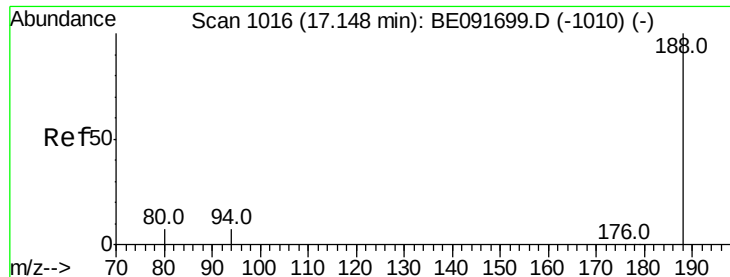
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#18  
Fluorene  
Concen: 4.49 ng  
RT: 15.45 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.0  | 80.8  | 121.2 |
| 167     | 13.6  | 10.9  | 16.3  |





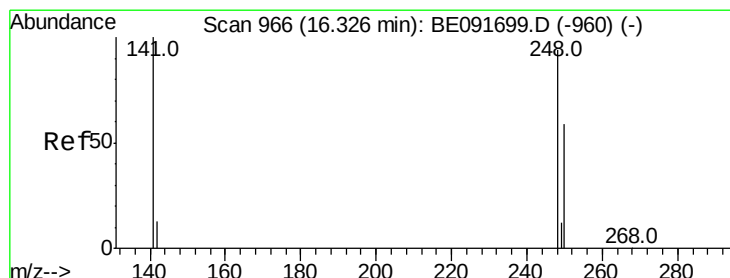
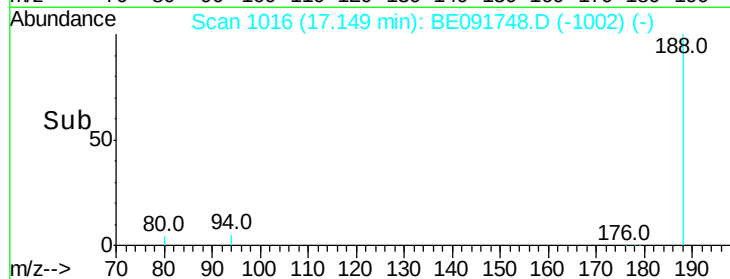
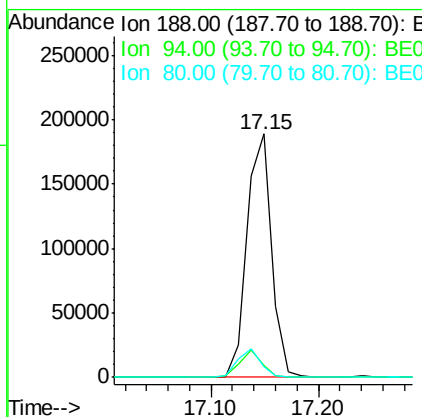
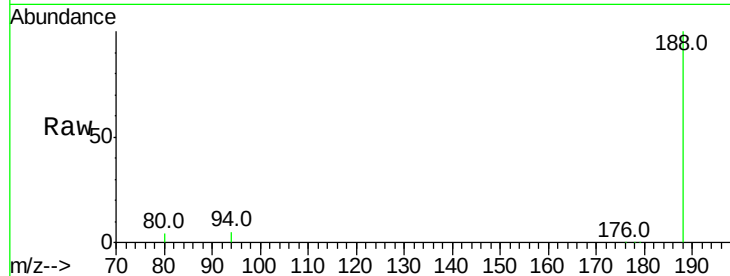
#19  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.15 min Scan# 1016  
Delta R.T. 0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 5.2   | 8.7        | 13.1# |
| 80      | 4.4   | 9.4        | 14.0# |

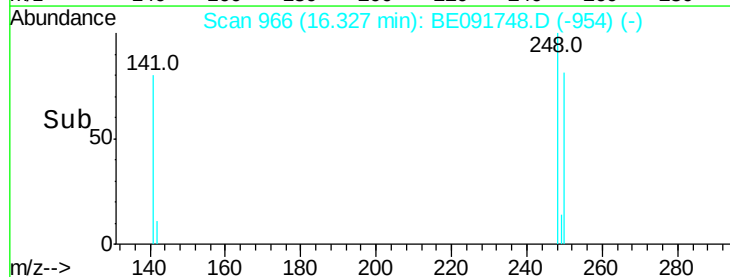
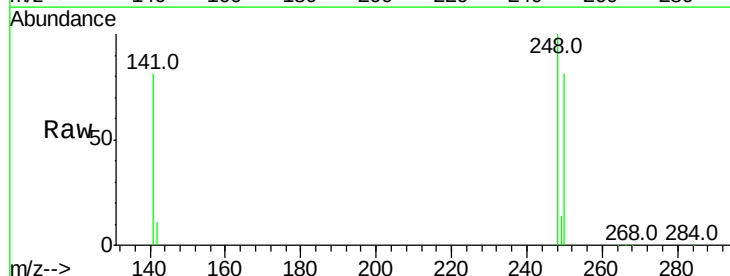
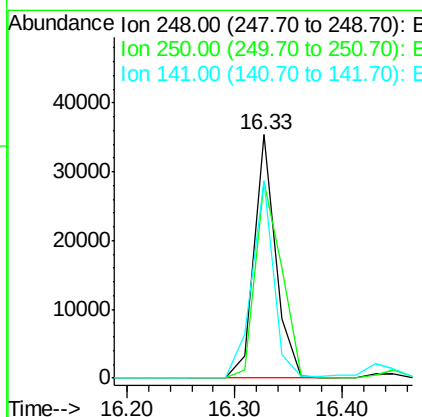
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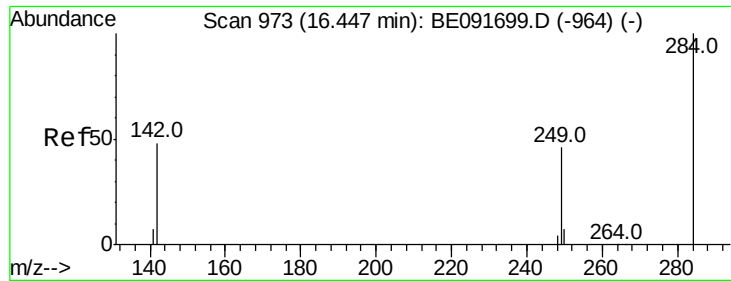
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#20  
4-Bromophenyl-phenylether  
Concen: 4.57 ng  
RT: 16.33 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 248     | 100   |            |       |
| 250     | 97.3  | 80.5       | 120.7 |
| 141     | 81.1  | 72.0       | 108.0 |





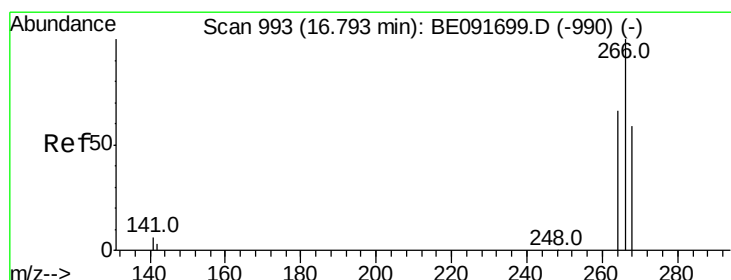
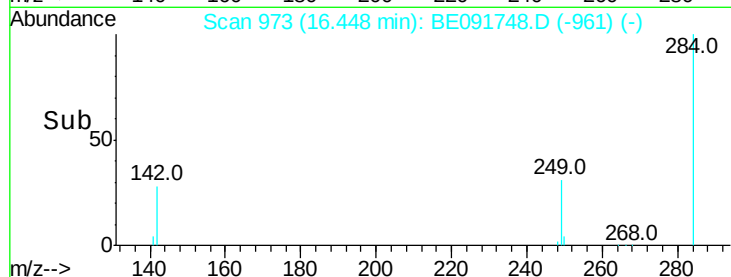
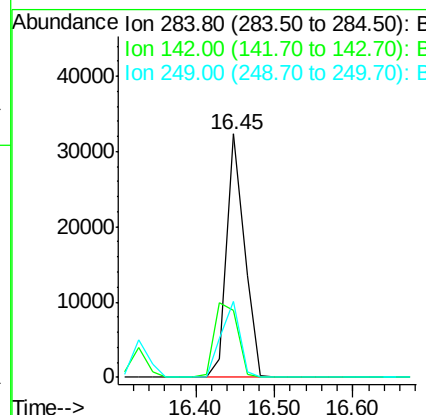
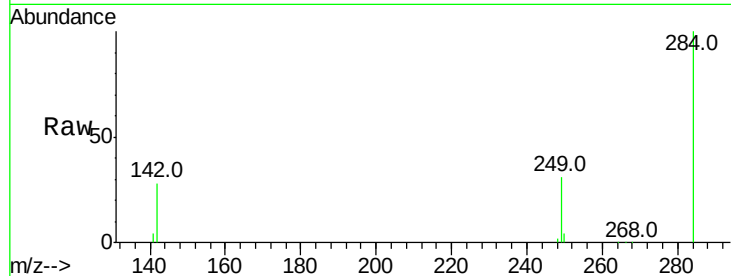
#21  
Hexachlorobenzene  
Concen: 4.65 ng  
RT: 16.45 min Scan# 973  
Delta R.T. 0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 40.0  | 32.2 | 48.2  |       |
| 249     | 32.5  | 25.4 | 38.2  |       |

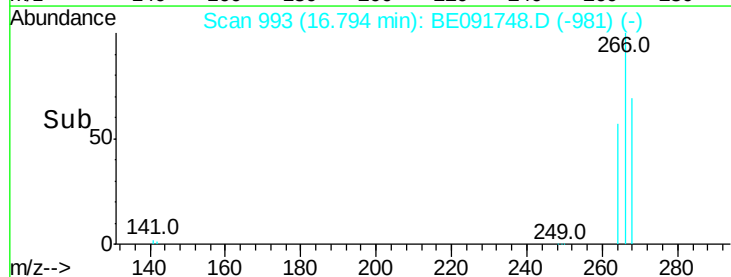
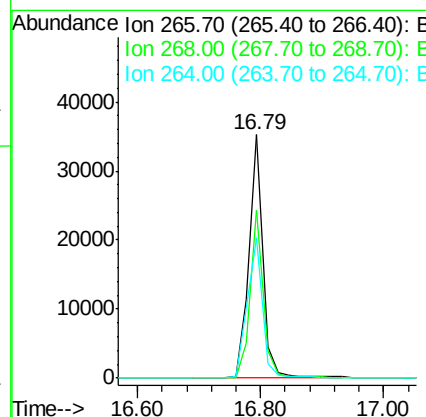
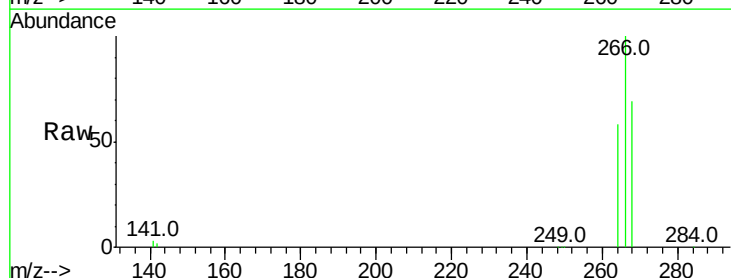
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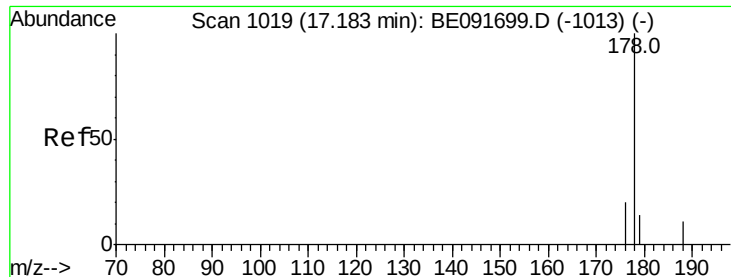
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#22  
Pentachlorophenol  
Concen: 9.47 ng  
RT: 16.79 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   |      |       |       |
| 268     | 68.8  | 58.2 | 87.2  |       |
| 264     | 57.5  | 56.2 | 84.4  |       |





#23

Phenanthrene

Concen: 4.49 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

Instrument :

BNA\_E

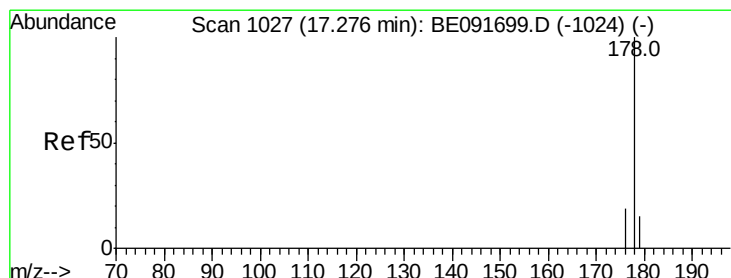
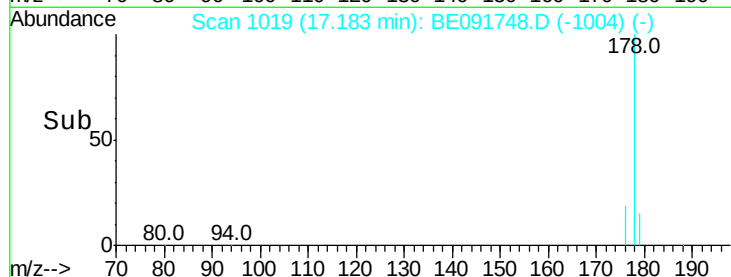
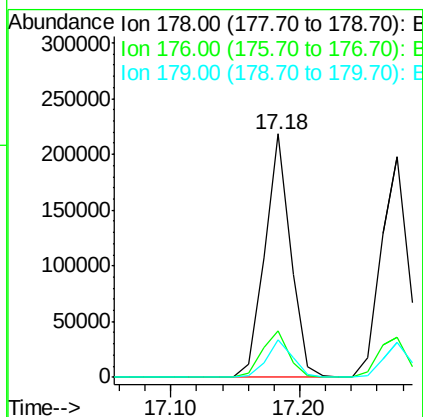
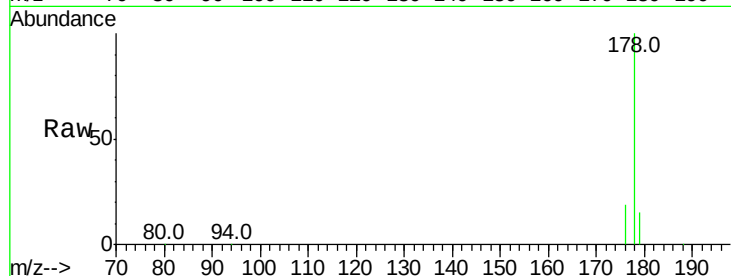
ClientSampleId :

TILCON-MH-SF-003MSD

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 306141 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.5  | 15.3  | 22.9   |
| 179       | 15.4  | 12.6  | 18.8   |



#24

Anthracene

Concen: 4.81 ng

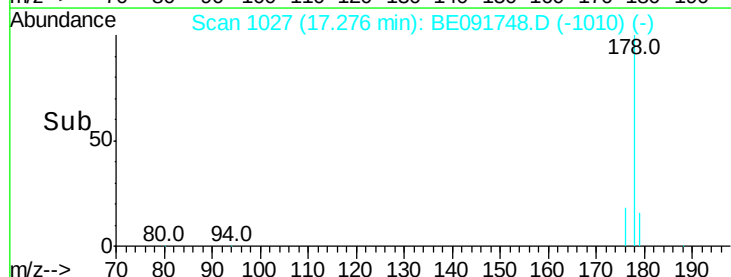
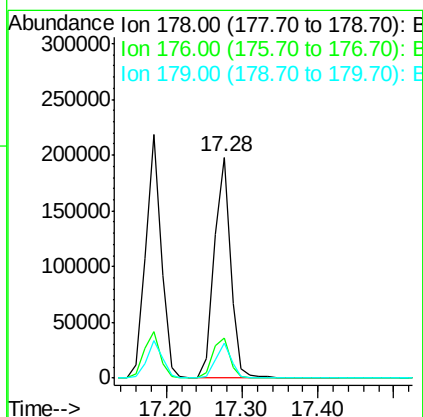
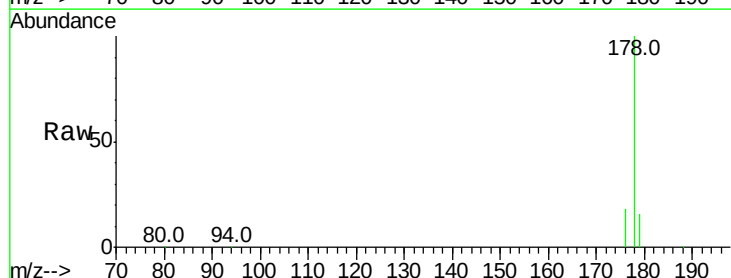
RT: 17.28 min Scan# 1027

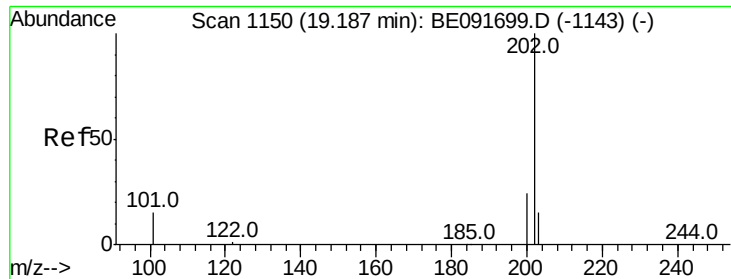
Delta R.T. 0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 295765 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.1  | 14.6  | 21.8   |
| 179       | 15.2  | 11.8  | 17.6   |





#25

Fluoranthene

Concen: 5.22 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091748.D

Acq: 3 May 2016 18:00

Instrument :

BNA\_E

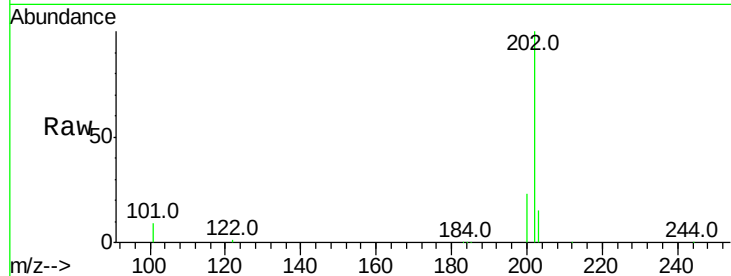
ClientSampleId :

TILCON-MH-SF-003MSD

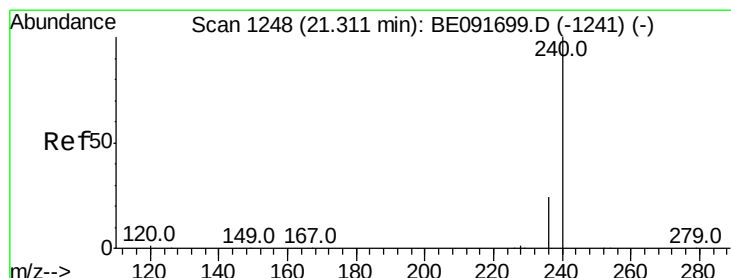
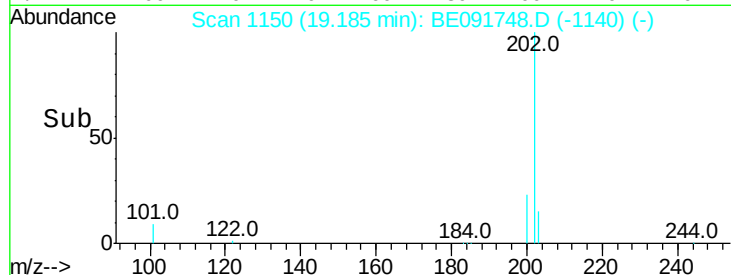
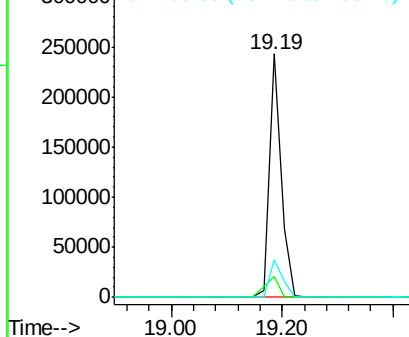
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 371840 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.4  | 11.0  | 16.6#  |
| 203       | 17.1  | 13.9  | 20.9   |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

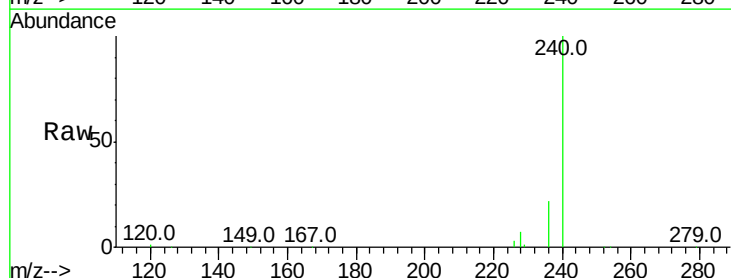
RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

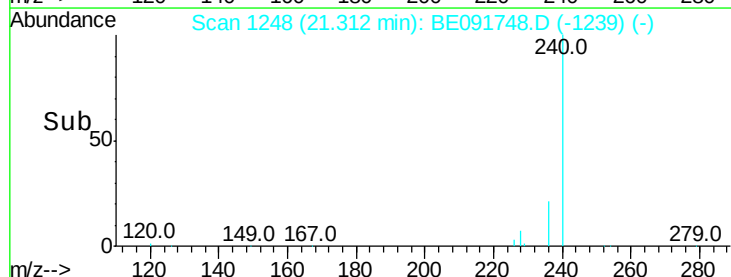
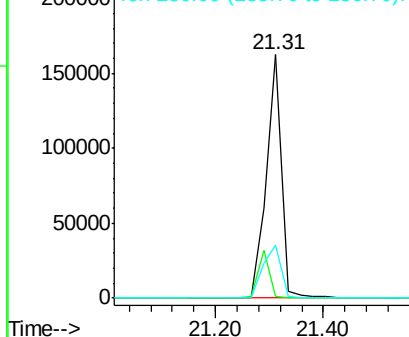
Lab File: BE091748.D

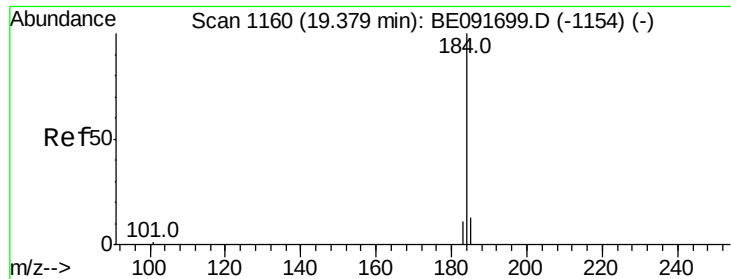
Acq: 3 May 2016 18:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 318414 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 0.9   | 11.0  | 16.4#  |
| 236       | 21.5  | 21.7  | 32.5#  |



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





#27

Benzidine

Concen: 2.30 ng

RT: 19.38 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE091748.D

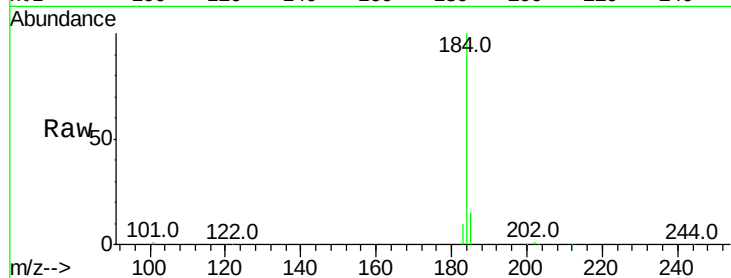
Acq: 3 May 2016 18:00

Instrument :

BNA\_E

ClientSampleId :

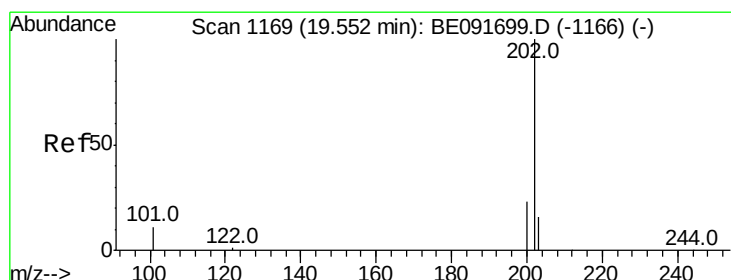
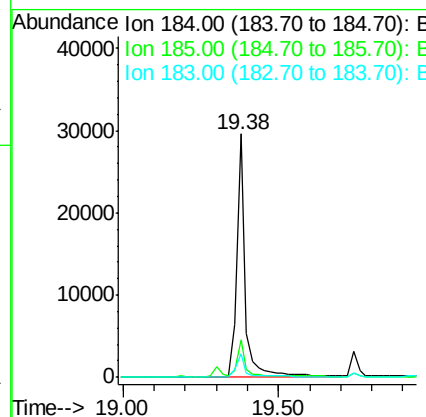
TILCON-MH-SF-003MSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 55726 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 15.5  | 22.3  | 33.5# |
| 183       | 9.7   | 16.4  | 24.6# |

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#28

Pyrene

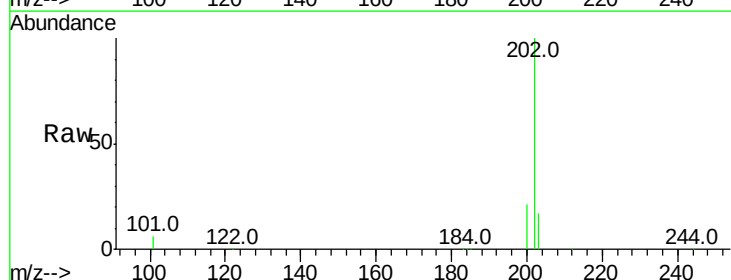
Concen: 5.56 ng

RT: 19.55 min Scan# 1169

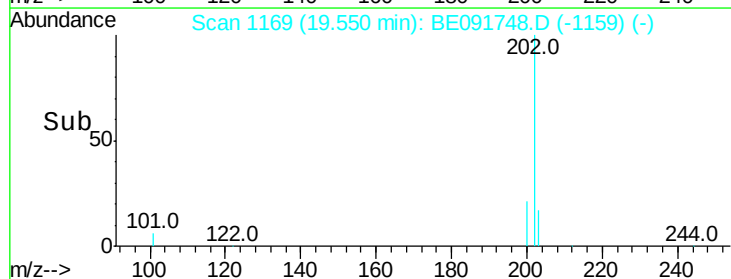
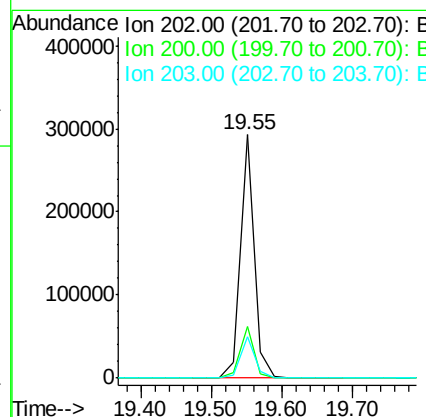
Delta R.T. -0.00 min

Lab File: BE091748.D

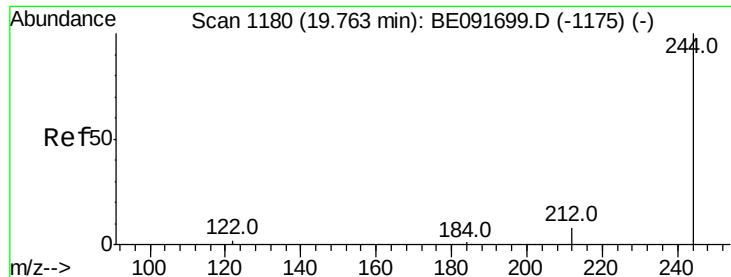
Acq: 3 May 2016 18:00



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 399760 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.4  | 16.8  | 25.2   |
| 203       | 17.9  | 14.0  | 21.0   |







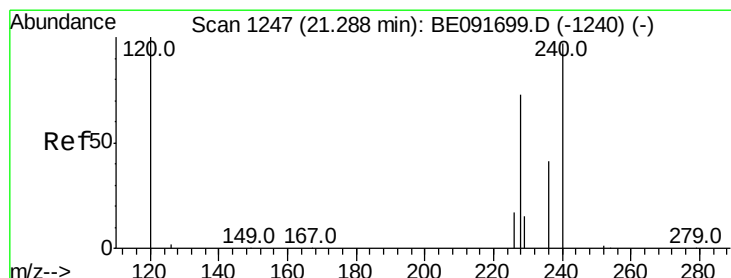
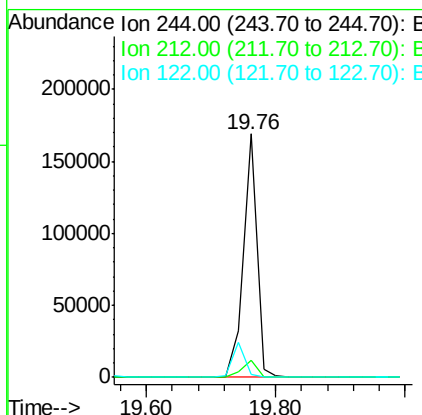
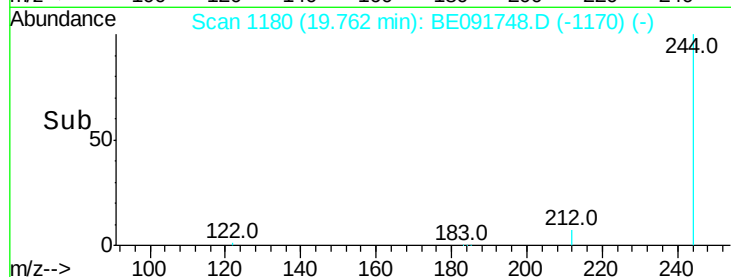
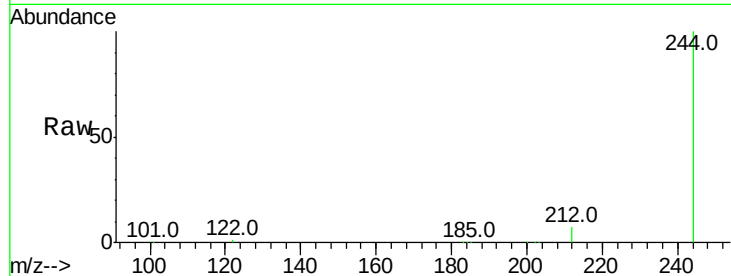
#29  
 Terphenyl-d14  
 Concen: 4.86 ng  
 RT: 19.76 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: BE091748.D  
 Acq: 3 May 2016 18:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.1   | 6.9        | 10.3  |
| 122     | 1.1   | 11.0       | 16.4# |

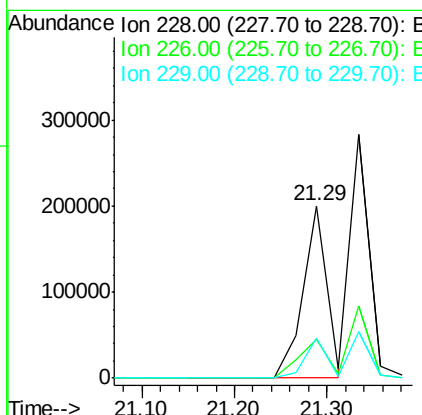
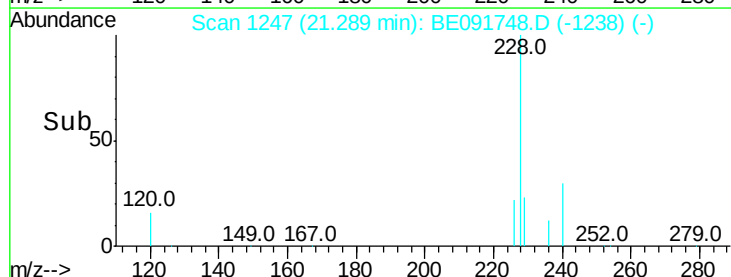
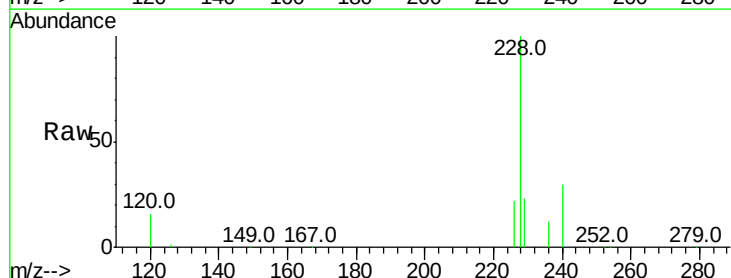
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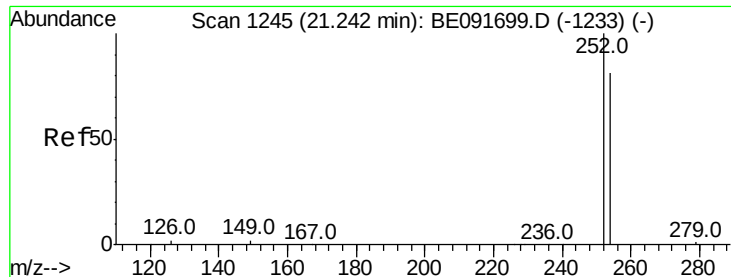
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#30  
 Benzo(a)anthracene  
 Concen: 4.64 ng  
 RT: 21.29 min Scan# 1247  
 Delta R.T. 0.00 min  
 Lab File: BE091748.D  
 Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 22.5  | 21.0       | 31.4  |
| 229     | 23.1  | 15.7       | 23.5  |





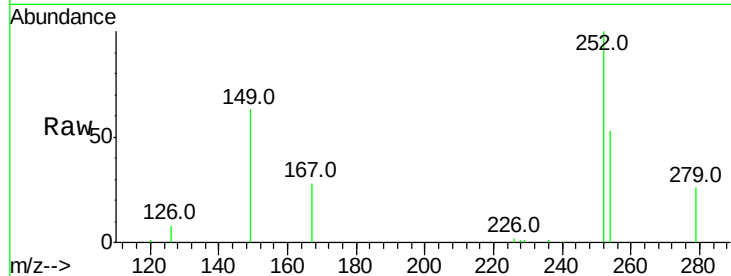
#31  
 3,3'-Dichlorobenzidine  
 Concen: 1.25 ng  
 RT: 21.22 min Scan# 1244  
 Delta R.T. -0.02 min  
 Lab File: BE091748.D  
 Acq: 3 May 2016 18:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 52.8  | 51.1  | 76.7  |
| 126     | 7.5   | 12.6  | 18.8  |

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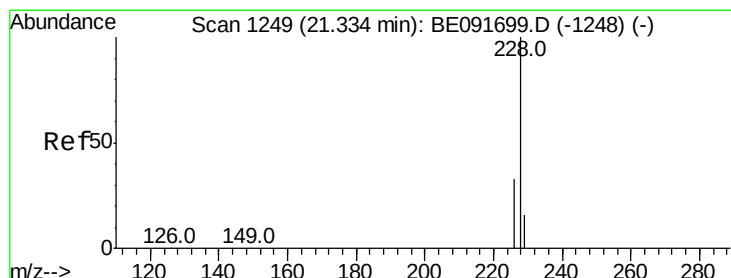
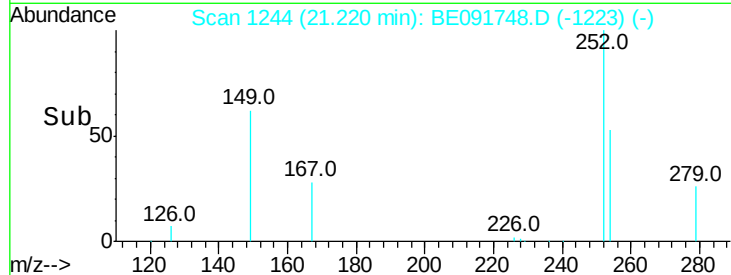
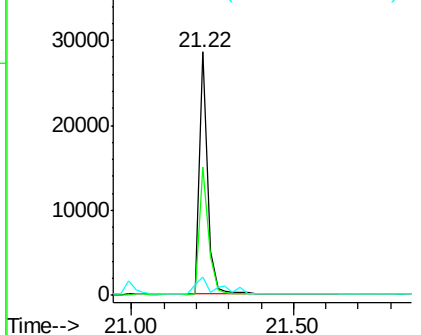


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32  
 Chrysene  
 Concen: 5.18 ng m  
 RT: 21.33 min Scan# 1249  
 Delta R.T. 0.00 min  
 Lab File: BE091748.D  
 Acq: 3 May 2016 18:00

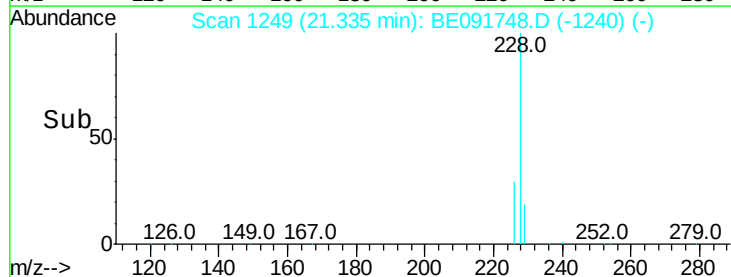
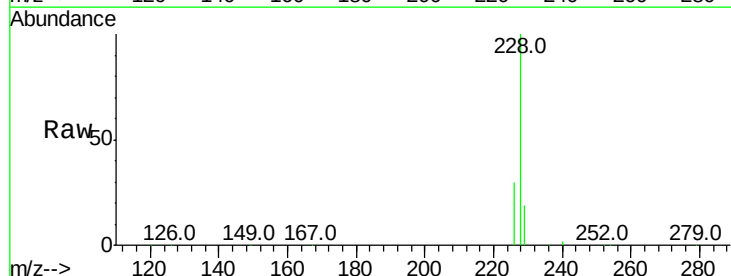
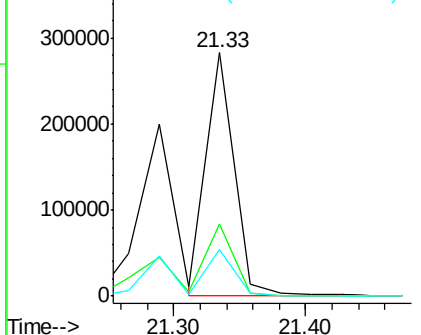
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 24.0  | 36.0  |
| 229     | 19.0  | 15.9  | 23.9  |

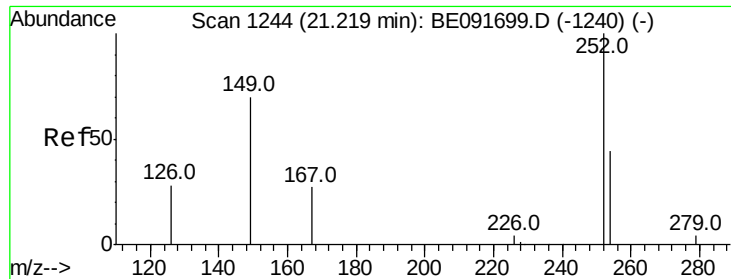
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





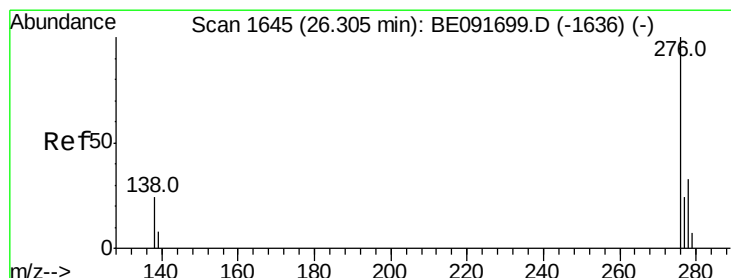
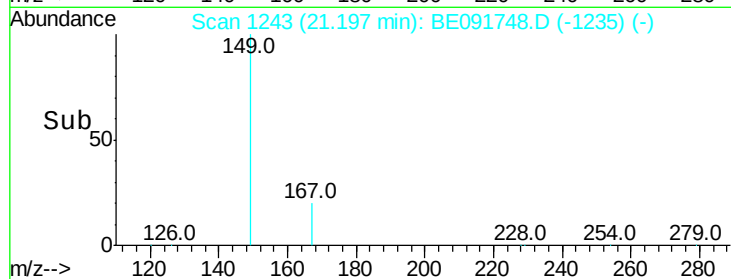
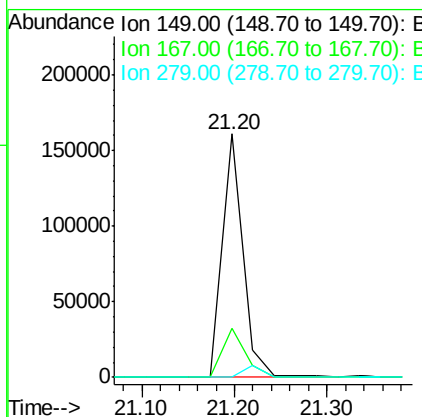
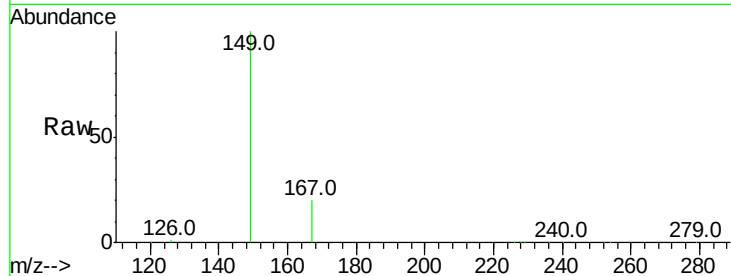
#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 10.59 ng  
 RT: 21.20 min Scan# 1243  
 Delta R.T. -0.02 min  
 Lab File: BE091748.D  
 Acq: 3 May 2016 18:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 249431 |       |       |
| 167     | 22.3  | 19.5   | 29.3  |       |
| 279     | 0.0   | 10.0   | 15.0  |       |

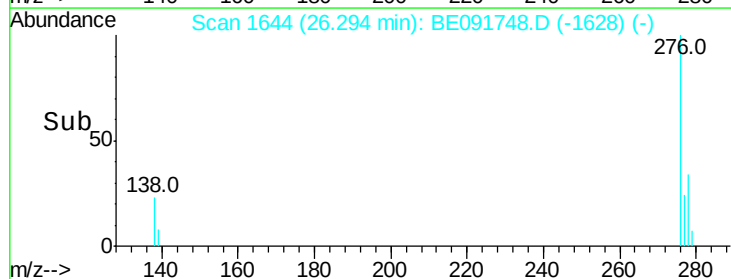
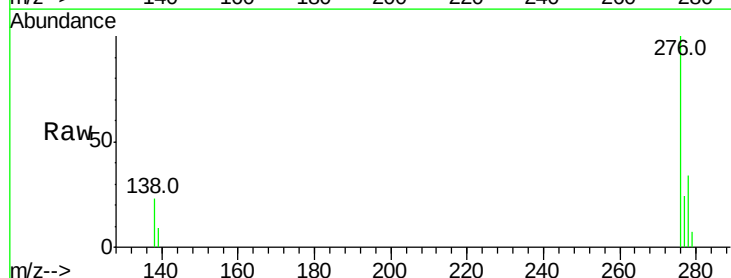
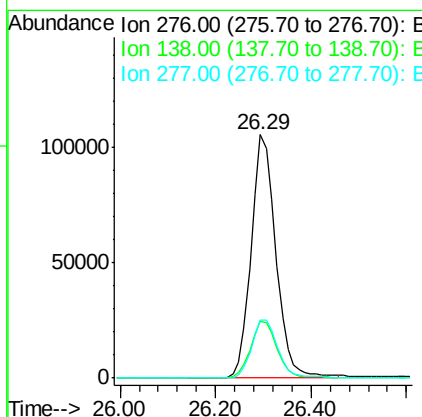
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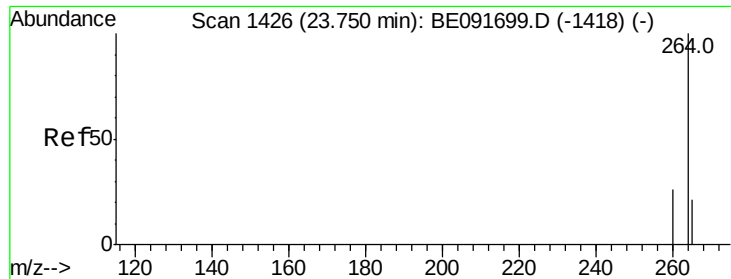
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#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.25 ng  
 RT: 26.29 min Scan# 1644  
 Delta R.T. -0.01 min  
 Lab File: BE091748.D  
 Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 377731 |       |       |
| 138     | 24.7  | 23.4   | 35.2  |       |
| 277     | 24.9  | 19.8   | 29.8  |       |





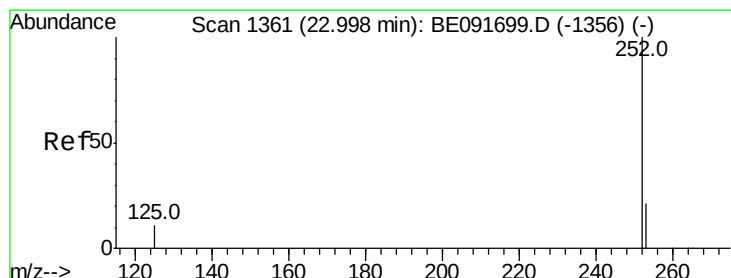
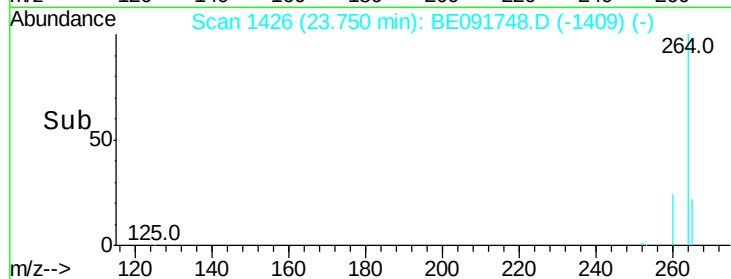
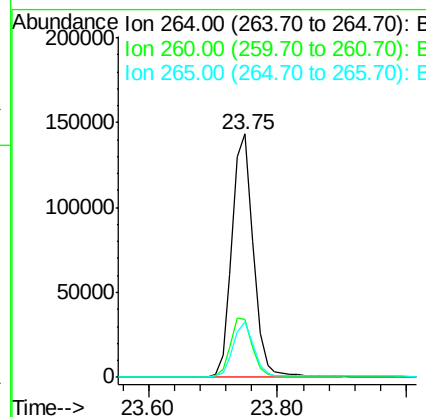
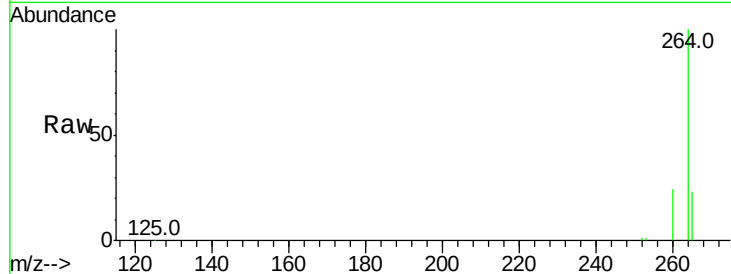
#35  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.75 min Scan# 1426  
Delta R.T. -0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   |      |       |       |
| 260     | 24.0  | 20.0 | 30.0  |       |
| 265     | 22.8  | 17.5 | 26.3  |       |

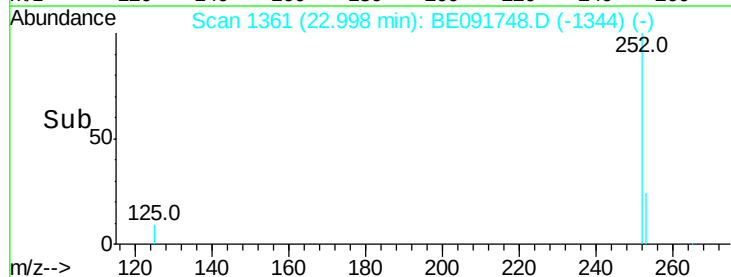
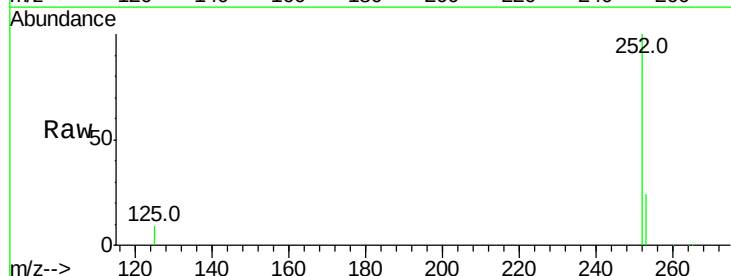
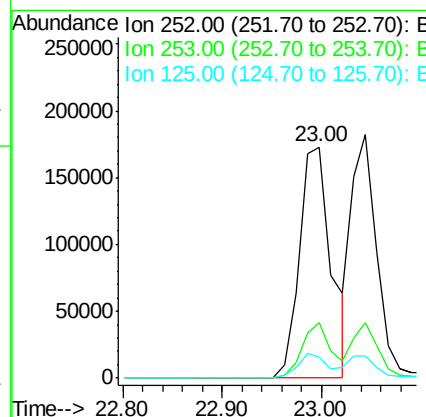
Manual Integrations  
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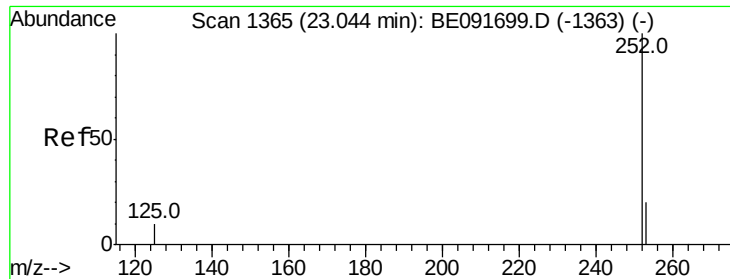
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#36  
Benzo(b)fluoranthene  
Concen: 4.99 ng  
RT: 23.00 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 252     | 100   |      |       |       |
| 253     | 23.8  | 17.4 | 26.0  |       |
| 125     | 9.1   | 10.2 | 15.2  |       |





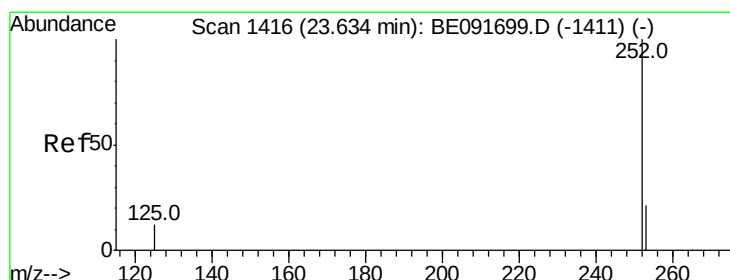
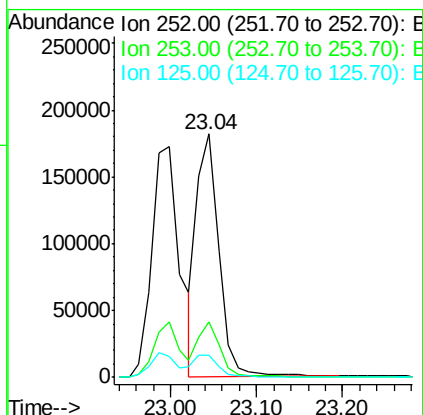
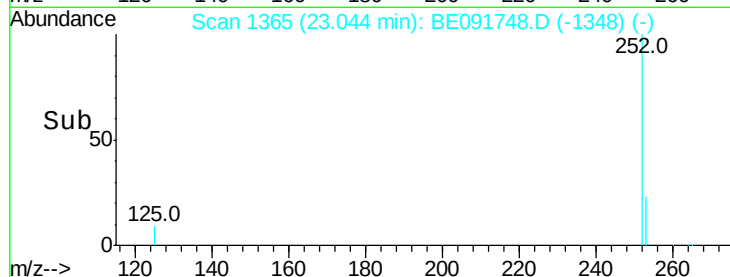
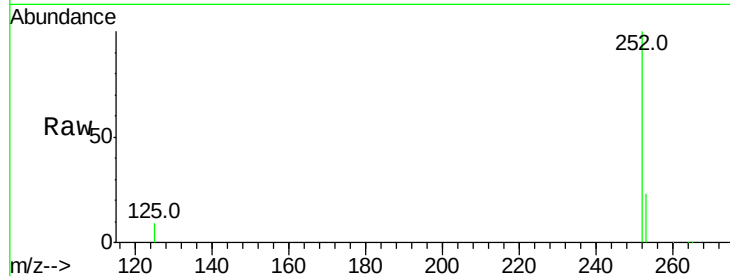
#37  
Benzo(k)fluoranthene  
Concen: 4.13 ng  
RT: 23.04 min Scan# 1365  
Delta R.T. -0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.9  | 17.6       | 26.4  |
| 125     | 9.3   | 9.9        | 14.9  |

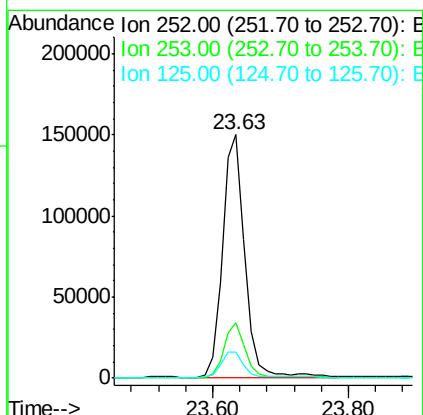
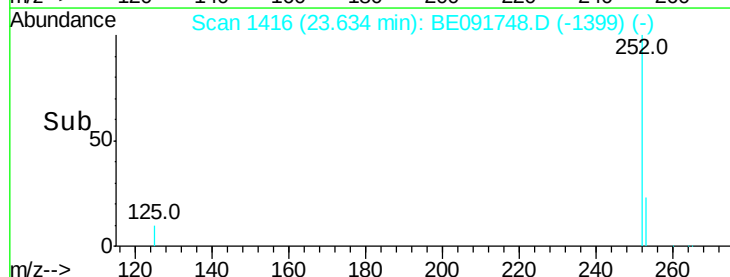
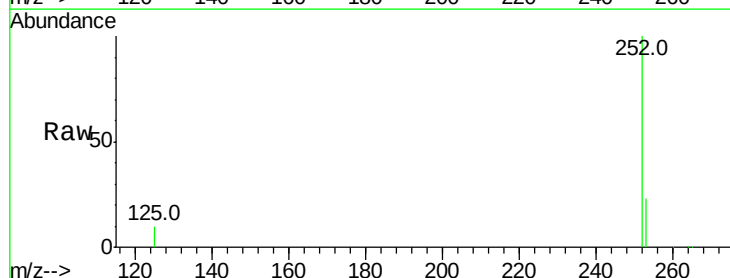
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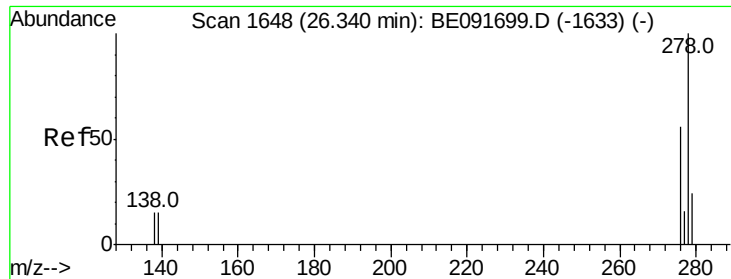
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#38  
Benzo(a)pyrene  
Concen: 4.75 ng  
RT: 23.63 min Scan# 1416  
Delta R.T. -0.00 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.9  | 18.1       | 27.1  |
| 125     | 10.4  | 11.0       | 16.4  |





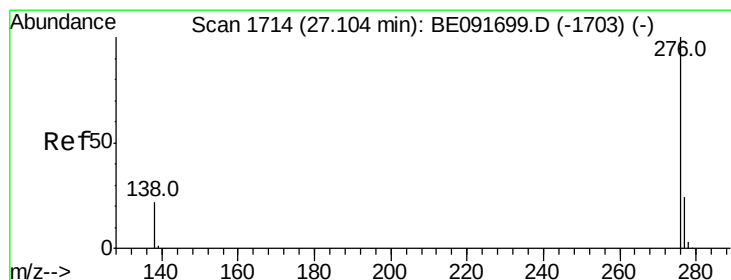
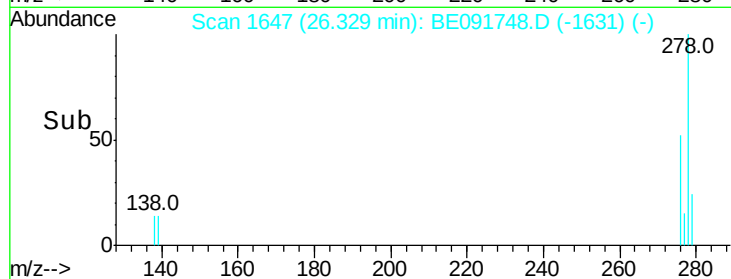
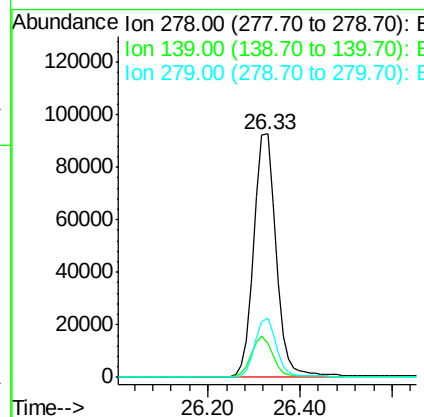
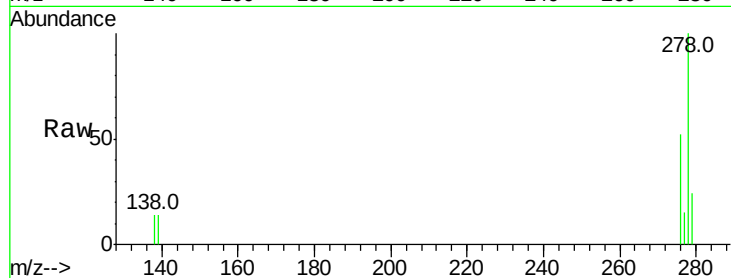
#39  
Dibenzo(a,h)anthracene  
Concen: 4.55 ng  
RT: 26.33 min Scan# 1647  
Delta R.T. -0.01 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

Instrument :  
BNA\_E  
ClientSampleId :  
TILCON-MH-SF-003MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 278     | 100   |      |       |       |
| 139     | 14.1  | 16.0 | 24.0# |       |
| 279     | 24.2  | 19.4 | 29.2  |       |

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#40  
Benzo(g,h,i)perylene  
Concen: 4.59 ng  
RT: 27.09 min Scan# 1713  
Delta R.T. -0.01 min  
Lab File: BE091748.D  
Acq: 3 May 2016 18:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 277     | 23.6  | 18.6 | 28.0  |       |
| 138     | 20.2  | 20.4 | 30.6# |       |

