

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE092815\  
 Data File : BE090974.D  
 Acq On : 28 Sep 2015 20:10  
 Operator : UM/IZ  
 Sample : SSTDICC002  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC002

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 4:50:46 PM

Quant Time: Sep 29 06:46:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 05:34:47 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.48  | 152  | 34366    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.24 | 136  | 153302   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.11 | 164  | 85809    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.86 | 188  | 209127   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12               | 21.02 | 240  | 236428   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12               | 23.27 | 264  | 199652   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.12  | 112  | 11905    | 0.92 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.70  | 99   | 16640    | 0.88 | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 8.64  | 82   | 16579    | 0.84 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.62 | 330  | 4622     | 0.91 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl           | 12.74 | 172  | 42548    | 0.78 | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.49 | 244  | 54393    | 0.84 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 9560     | 0.74 | ng    | 100      |
| 3) n-Nitrosodimethylamine      | 3.39  | 42   | 10271    | 0.76 | ng    | 96       |
| 6) bis(2-Chloroethyl)ether     | 6.93  | 93   | 16626m   | 0.84 | ng    |          |
| 9) Nitrobenzene                | 8.68  | 77   | 18337    | 0.91 | ng    | 99       |
| 10) Naphthalene                | 10.29 | 128  | 59010    | 0.74 | ng    | 99       |
| 11) Hexachlorobutadiene        | 10.58 | 225  | 9813     | 0.71 | ng    | 97       |
| 12) 2-Methylnaphthalene        | 11.92 | 142  | 36413    | 0.79 | ng    | 99       |
| 16) Acenaphthylene             | 13.82 | 152  | 264617   | 0.80 | ng    | 100      |
| 17) Acenaphthene               | 14.17 | 154  | 41517    | 0.77 | ng    | 99       |
| 18) Fluorene                   | 15.17 | 166  | 53364    | 0.81 | ng    | 98       |
| 20) 4-Bromophenyl-phenylether  | 16.07 | 248  | 14211    | 0.77 | ng    | 94       |
| 21) Hexachlorobenzene          | 16.18 | 284  | 71809    | 0.73 | ng    | 99       |
| 22) Pentachlorophenol          | 16.54 | 266  | 4131m    | 0.82 | ng    |          |
| 23) Phenanthrene               | 16.89 | 178  | 92609    | 0.76 | ng    | 99       |
| 24) Anthracene                 | 17.00 | 178  | 84970m   | 0.86 | ng    |          |
| 25) Fluoranthene               | 18.91 | 202  | 99060    | 0.77 | ng    | 100      |
| 27) Benzidine                  | 19.14 | 184  | 8058m    | 0.92 | ng    |          |
| 28) Pyrene                     | 19.27 | 202  | 104817   | 0.83 | ng    | 100      |
| 30) Benzo(a)anthracene         | 21.01 | 228  | 101738   | 0.81 | ng    | 100      |
| 31) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 15522    | 0.89 | ng    | 97       |
| 32) Chrysene                   | 21.05 | 228  | 111785   | 0.77 | ng    | 98       |
| 33) Bis(2-ethylhexyl)phthalate | 20.95 | 149  | 32931    | 0.93 | ng    | 100      |
| 34) Indeno(1,2,3-cd)pyrene     | 25.59 | 276  | 97404    | 0.78 | ng    | 99       |
| 36) Benzo(b)fluoranthene       | 22.59 | 252  | 82749    | 0.84 | ng    | 99       |
| 37) Benzo(k)fluoranthene       | 22.63 | 252  | 109377m  | 0.88 | ng    |          |
| 38) Benzo(a)pyrene             | 23.17 | 252  | 74681    | 0.85 | ng    | 99       |
| 39) Dibenzo(a,h)anthracene     | 25.62 | 278  | 74255    | 0.86 | ng    | 99       |
| 40) Benzo(g,h,i)perylene       | 26.30 | 276  | 79221    | 0.82 | ng    | 99       |

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

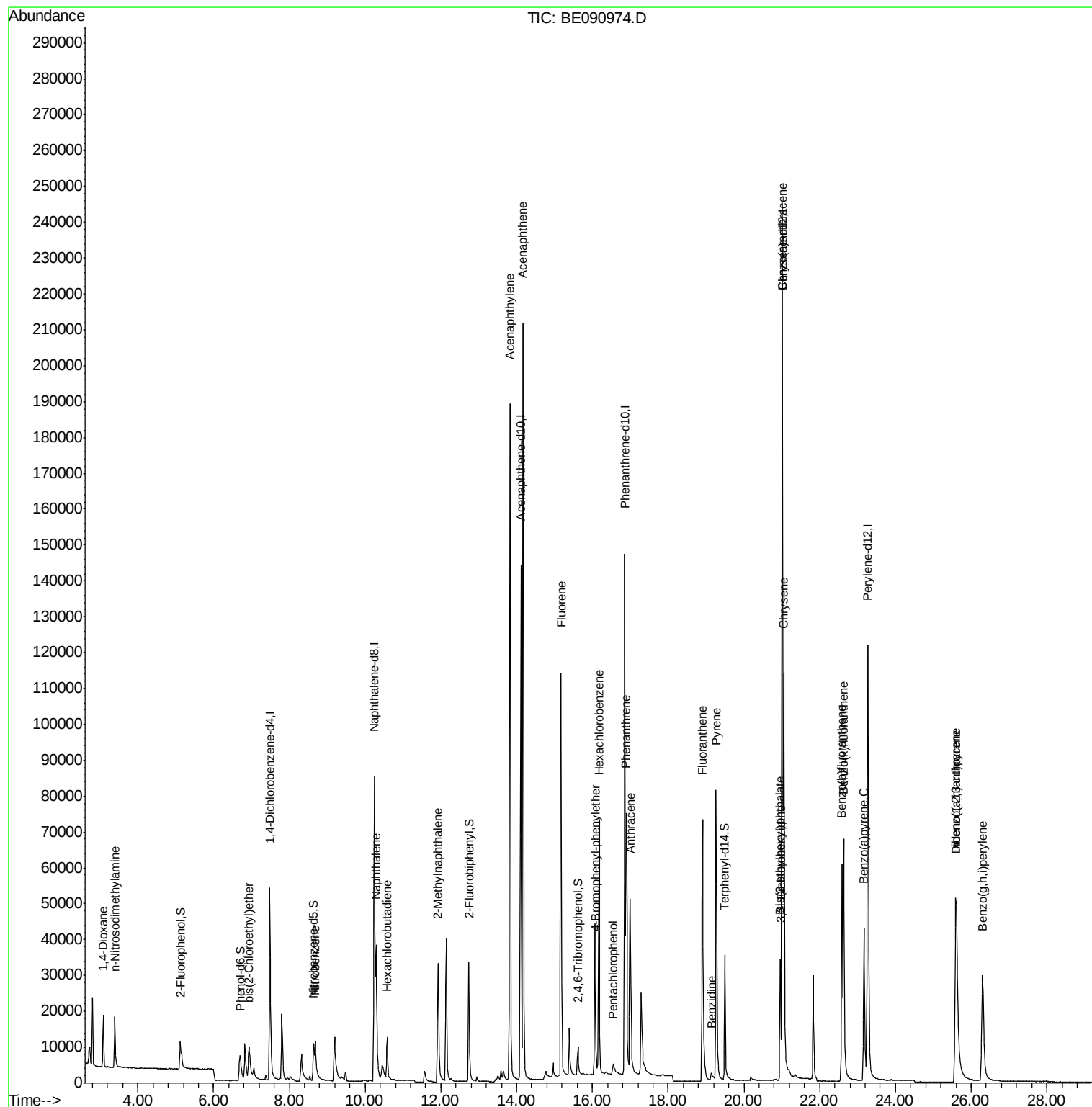
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE092815\  
Data File : BE090974.D  
Acq On : 28 Sep 2015 20:10  
Operator : UM/IZ  
Sample : SSTDICC002  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

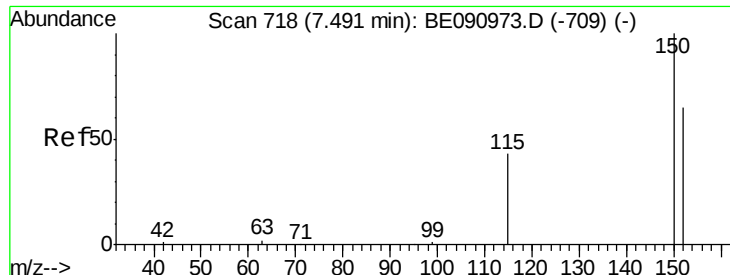
Instrument :  
BNA\_E  
ClientSampleID :  
SSTDICC002

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Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 05:34:47 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.48 min Scan# 717

Delta R.T. -0.01 min

Lab File: BE090974.D

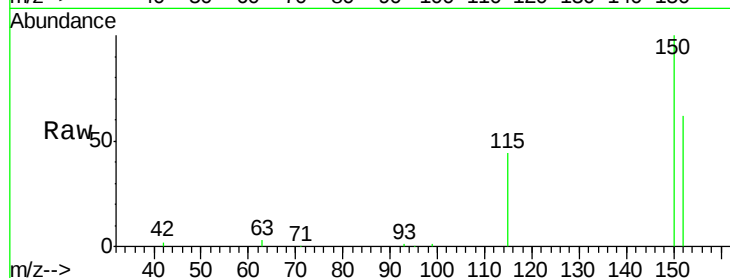
Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

ClientSampleId :

SSTDICC002



Tgt Ion: 152 Resp: 34366

Ion Ratio Lower Upper

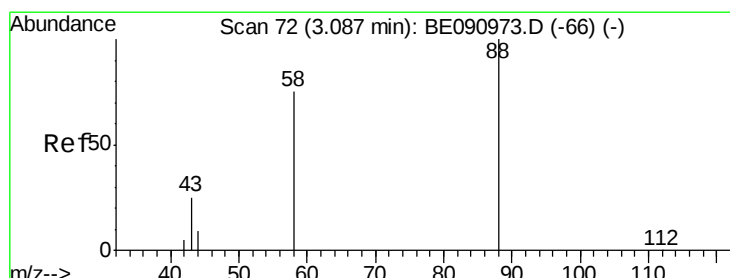
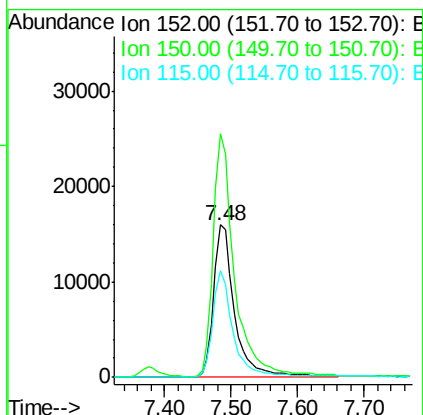
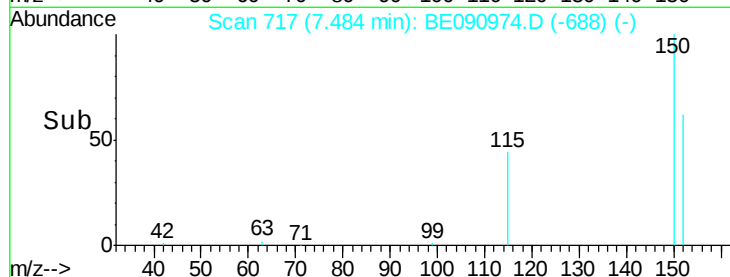
152 100

150 160.0 122.6 183.8

115 70.1 52.8 79.2

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#2

1,4-Dioxane

Concen: 0.74 ng

RT: 3.09 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

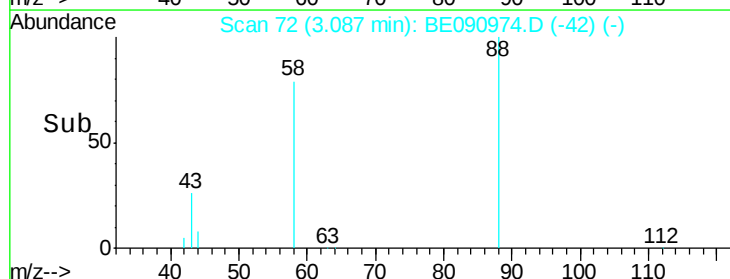
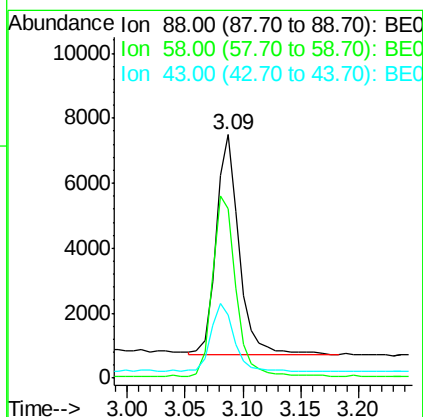
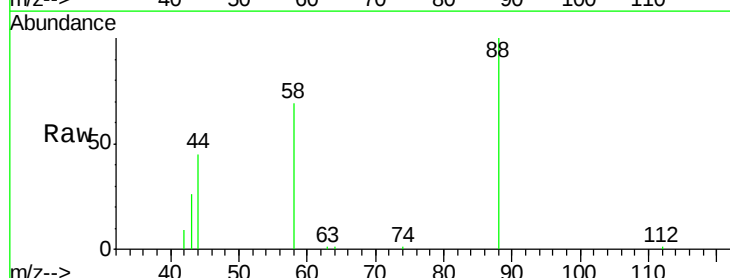
Tgt Ion: 88 Resp: 9560

Ion Ratio Lower Upper

88 100

58 82.2 65.8 98.6

43 30.7 25.3 37.9





#3

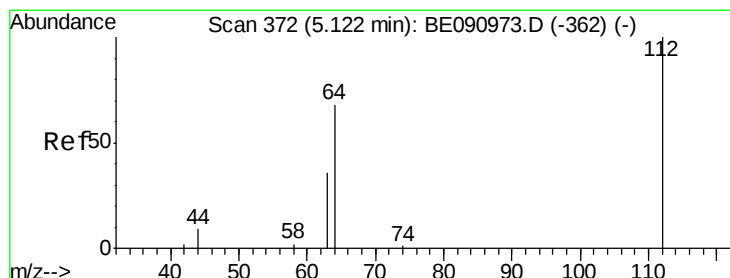
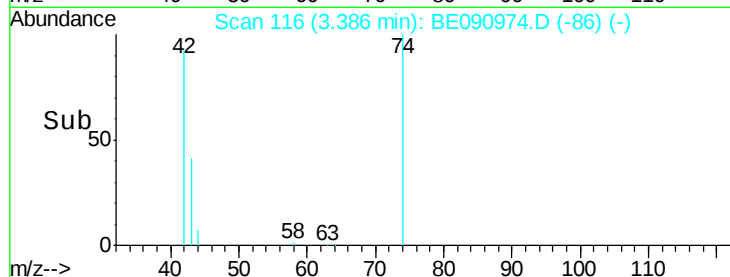
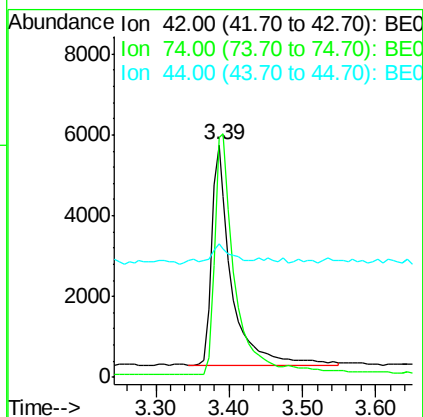
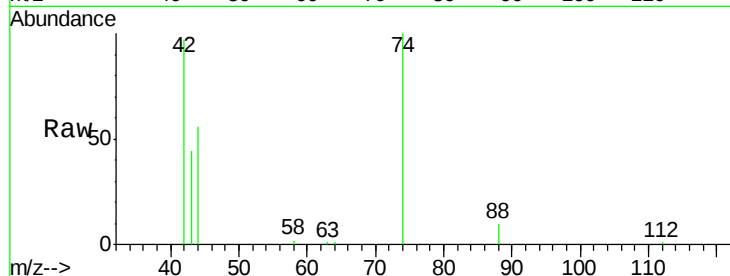
n-Nitrosodimethylamine  
Concen: 0.76 ng  
RT: 3.39 min Scan# 116  
Delta R.T. 0.00 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC002

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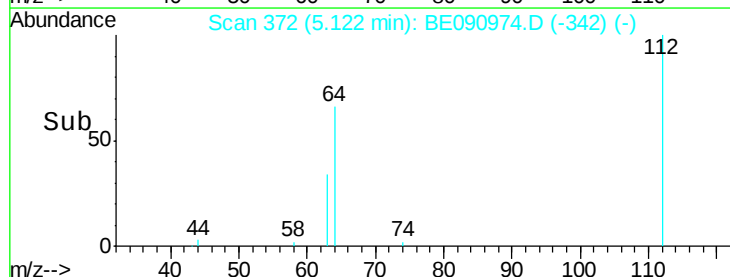
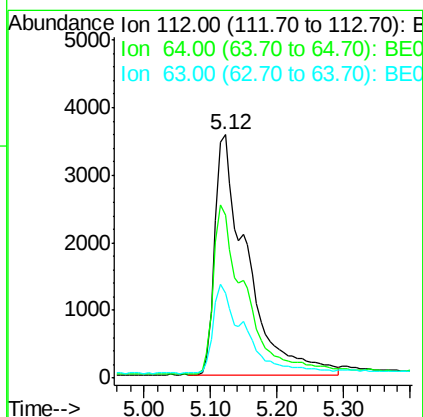
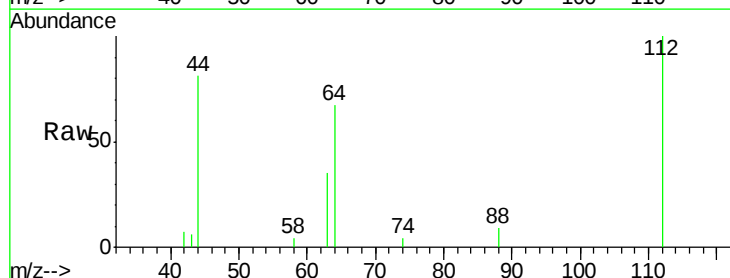
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 114.7 | 87.9  | 131.9 |
| 44      | 7.0   | 6.6   | 9.8   |

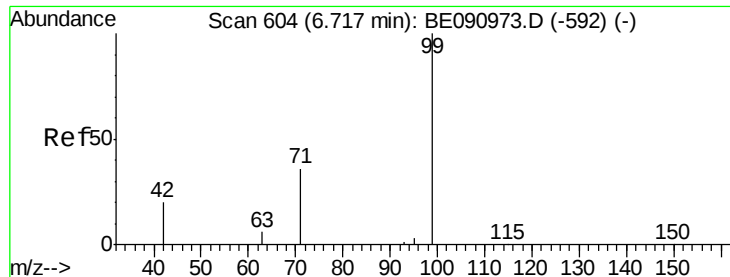


#4

2-Fluorophenol  
Concen: 0.92 ng  
RT: 5.12 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.3  | 30.9  | 46.3# |
| 63      | 36.3  | 16.7  | 25.1# |





#5

Phenol-d6

Concen: 0.88 ng

RT: 6.70 min Scan# 601

Delta R.T. -0.02 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

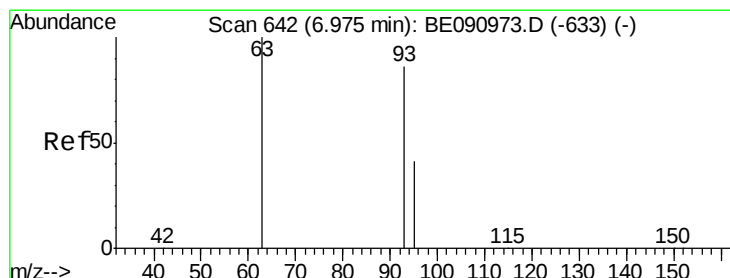
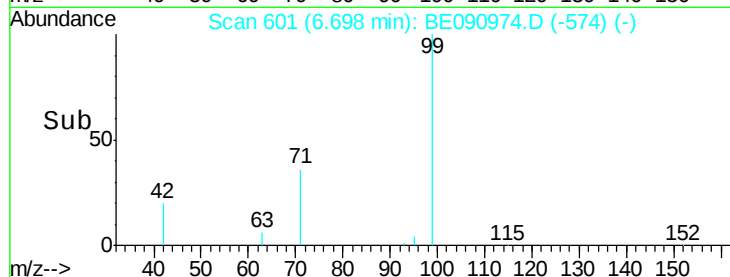
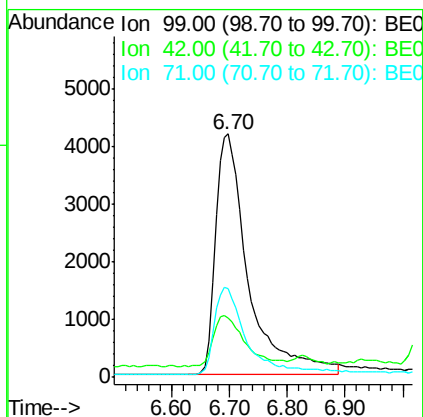
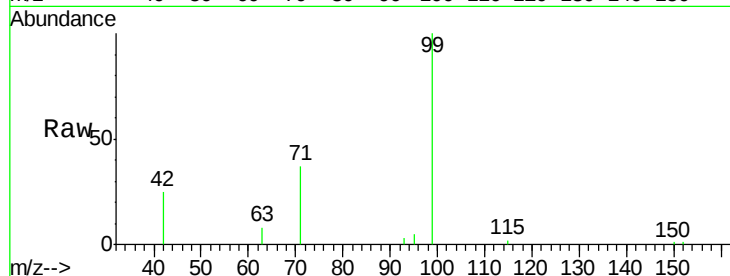
ClientSampleId :

SSTDICC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 16640 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 21.0  | 16.2  | 24.2  |
| 71       | 35.7  | 29.0  | 43.4  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.84 ng m

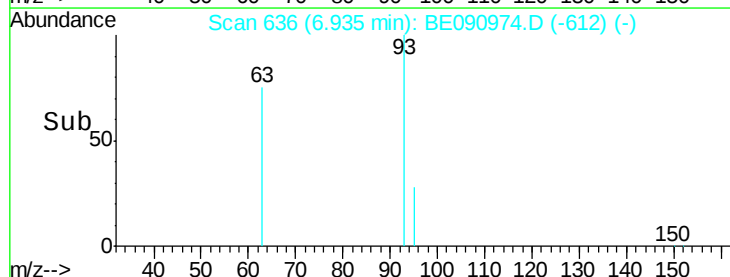
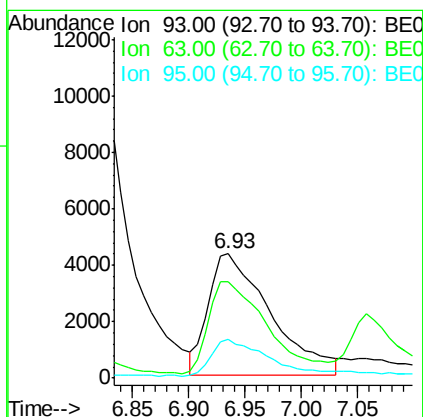
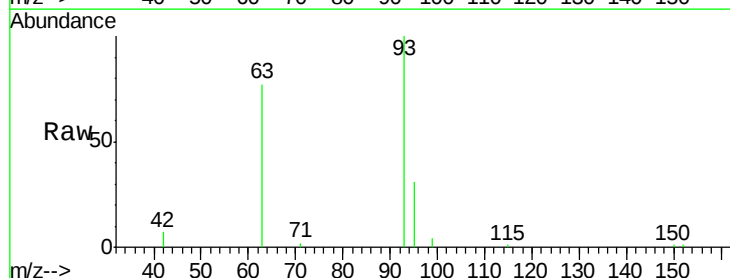
RT: 6.93 min Scan# 636

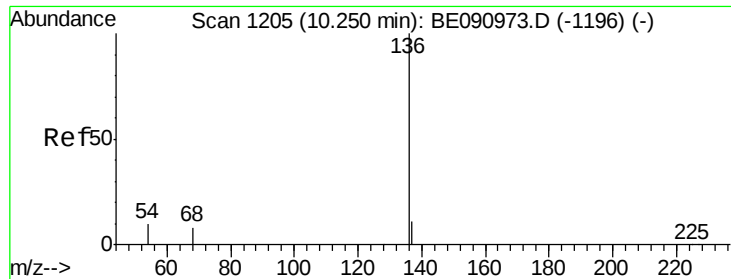
Delta R.T. -0.04 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 16626 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 70.0  | 49.5  | 74.3  |
| 95       | 30.1  | 22.2  | 33.4  |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.24 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BE090974.D

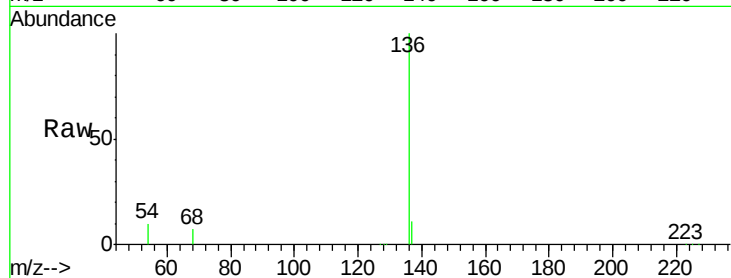
Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

ClientSampleId :

SSTDIC002



Tgt Ion: 136 Resp: 153302

Ion Ratio Lower Upper

136 100

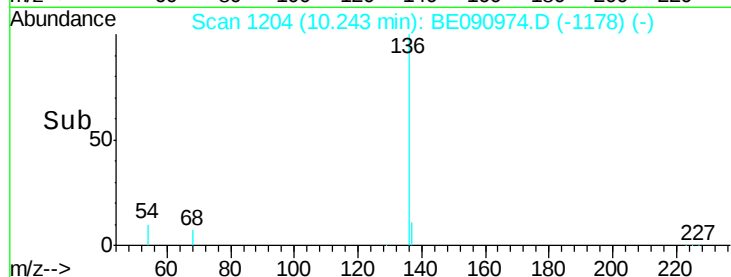
137 11.0 8.9 13.3

54 10.0 8.2 12.4

68 7.4 6.2 9.4

Manual Integrations  
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9/29/2015 4:50:46 PM



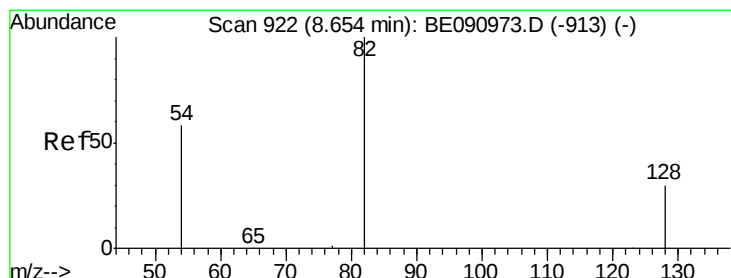
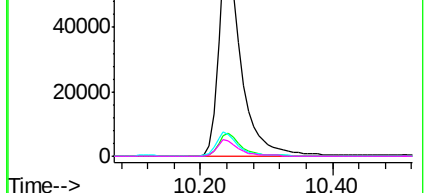
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



#8

Nitrobenzene-d5

Concen: 0.84 ng

RT: 8.64 min Scan# 919

Delta R.T. -0.01 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

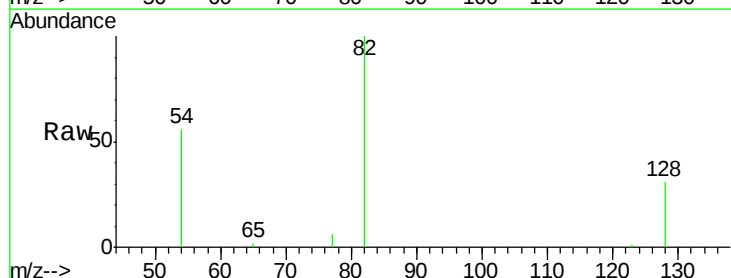
Tgt Ion: 82 Resp: 16579

Ion Ratio Lower Upper

82 100

128 30.5 25.4 38.0

54 56.2 48.4 72.6

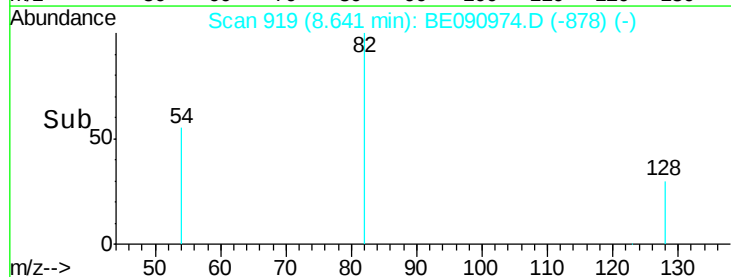
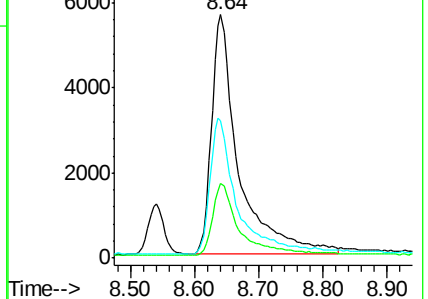


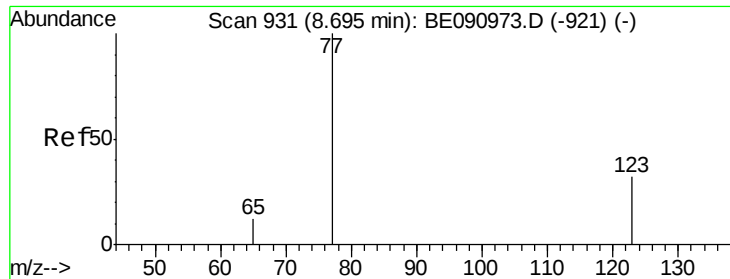
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->





#9

Nitrobenzene

Concen: 0.91 ng

RT: 8.68 min Scan# 928

Delta R.T. -0.01 min

Lab File: BE090974.D

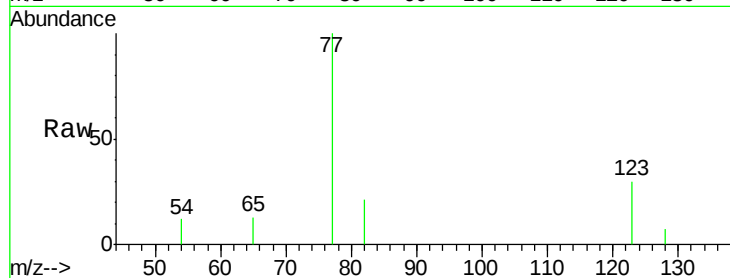
Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

ClientSampleId :

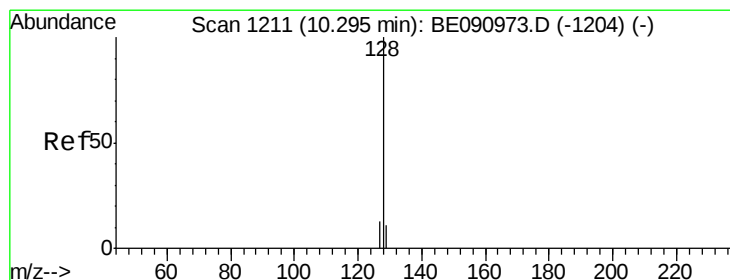
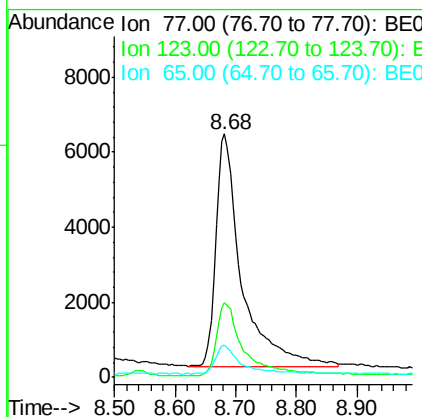
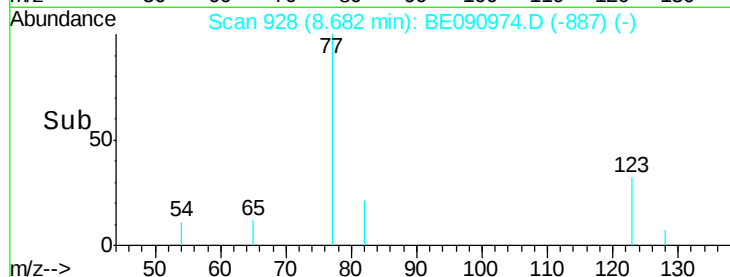
SSTDIC002



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 32.8  | 26.9  | 40.3  |
| 65      | 12.2  | 9.4   | 14.2  |

Manual Integrations  
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9/29/2015 4:50:46 PM



#10

Naphthalene

Concen: 0.74 ng

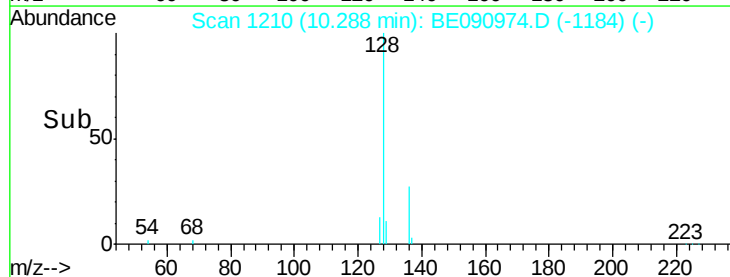
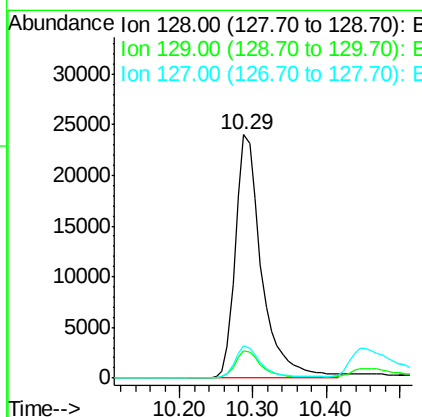
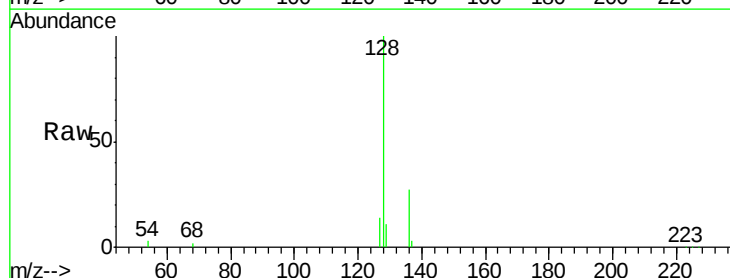
RT: 10.29 min Scan# 1210

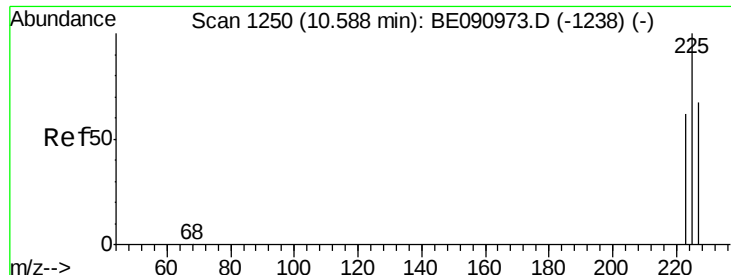
Delta R.T. -0.01 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 9.3   | 13.9  |
| 127     | 13.6  | 10.7  | 16.1  |





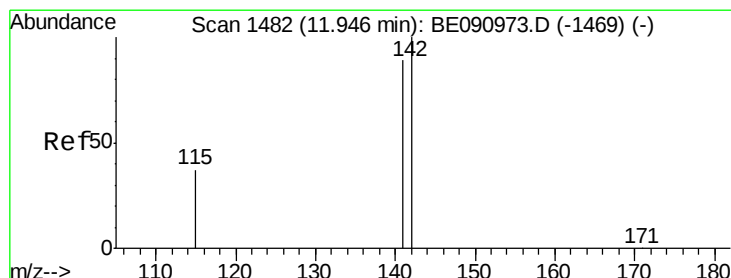
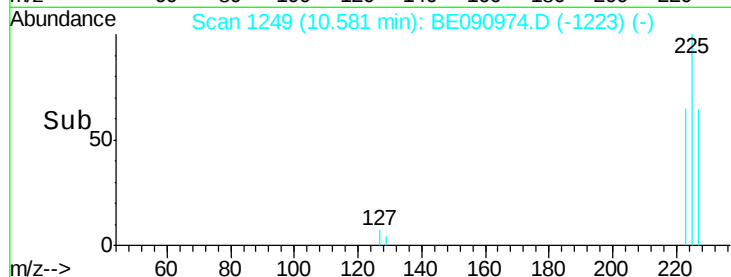
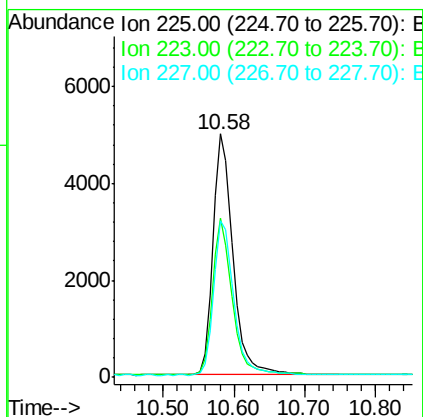
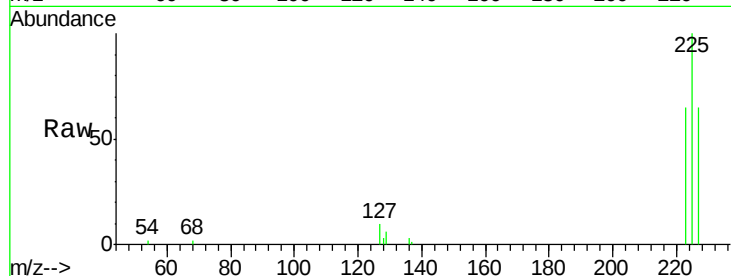
#11  
Hexachlorobutadiene  
Concen: 0.71 ng  
RT: 10.58 min Scan# 1249  
Delta R.T. -0.01 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC002

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 49.0  | 73.6  |
| 227     | 64.7  | 50.3  | 75.5  |

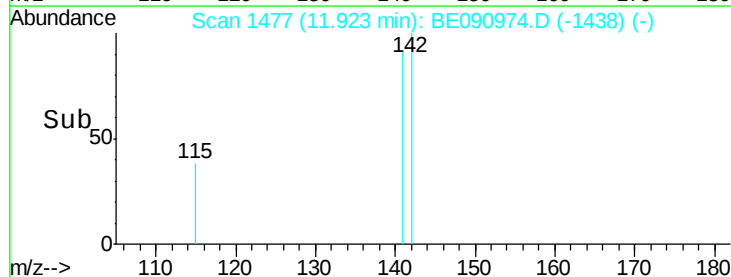
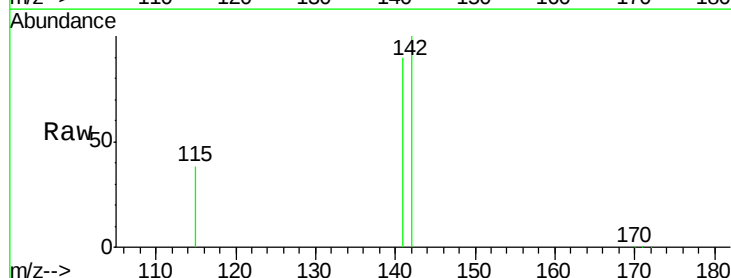
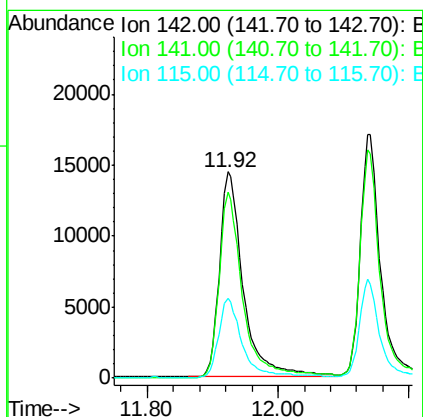
Manual Integrations  
APPROVED

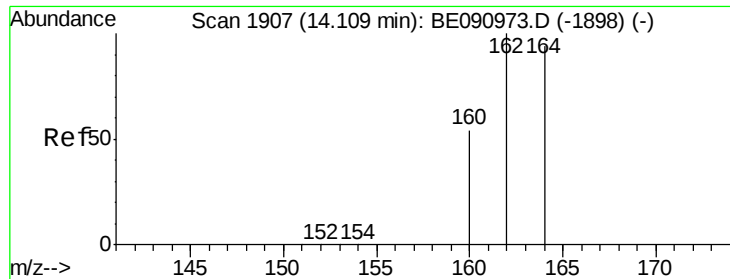
MMDadoda  
9/29/2015 4:50:46 PM



#12  
2-Methylnaphthalene  
Concen: 0.79 ng  
RT: 11.92 min Scan# 1477  
Delta R.T. -0.02 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.3  | 71.4  | 107.0 |
| 115     | 38.5  | 30.3  | 45.5  |





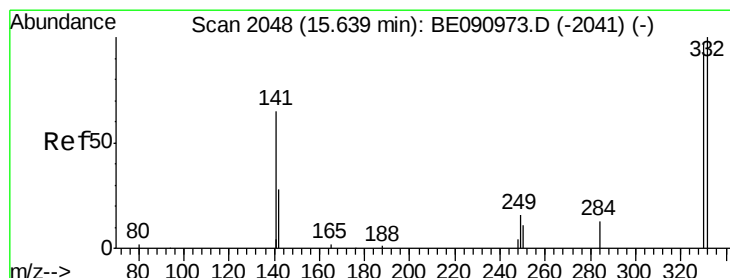
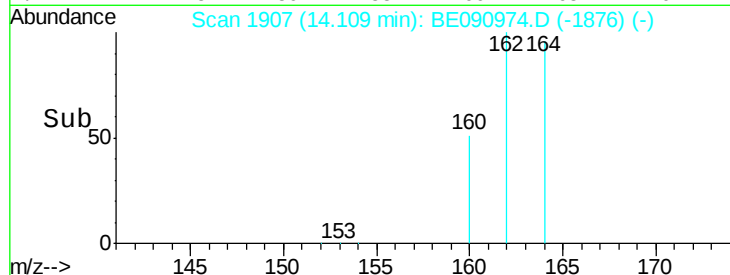
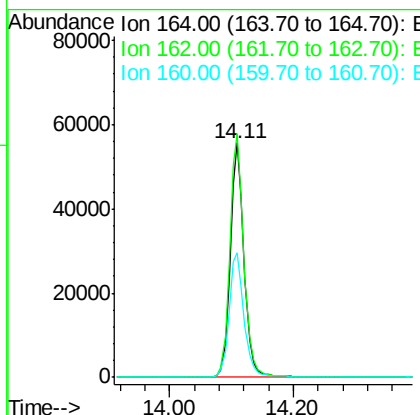
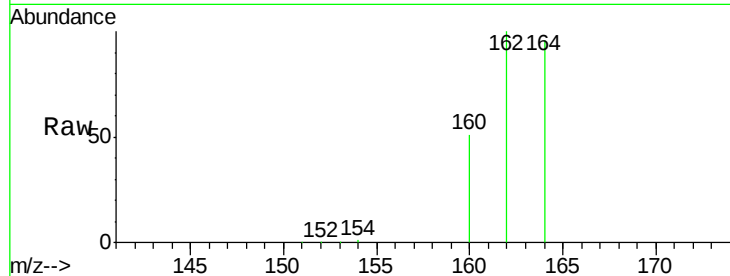
#13  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.11 min Scan# 1907  
Delta R.T. 0.00 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC002

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 85.3  | 127.9 |
| 160     | 53.4  | 46.2  | 69.2  |

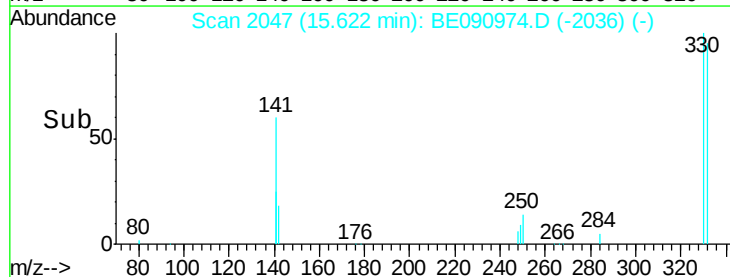
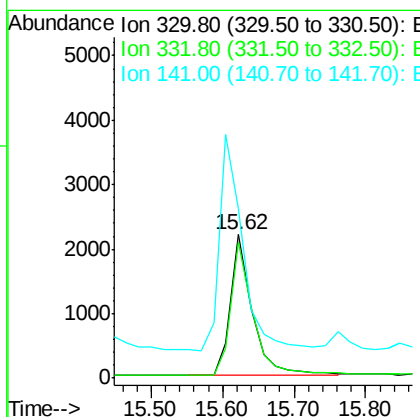
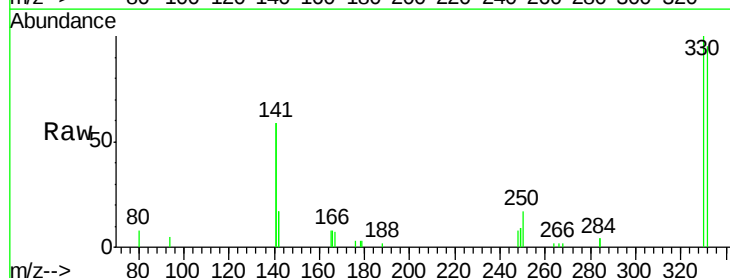
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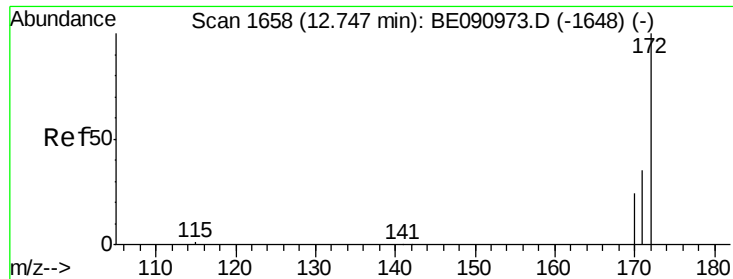
MMDadoda  
9/29/2015 4:50:46 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.91 ng  
RT: 15.62 min Scan# 2047  
Delta R.T. -0.02 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 79.1  | 118.7 |
| 141     | 157.9 | 125.4 | 188.0 |





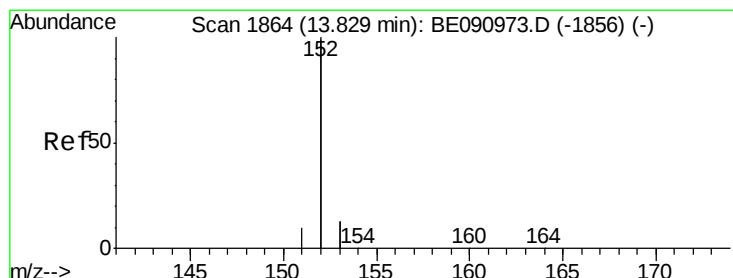
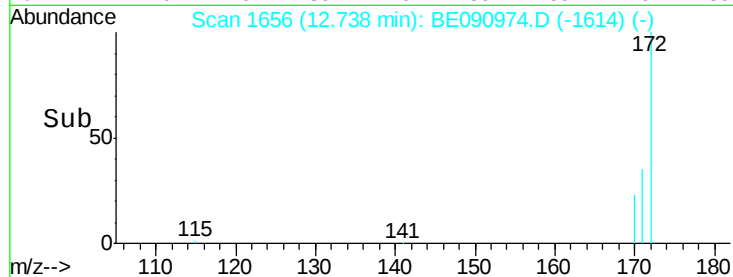
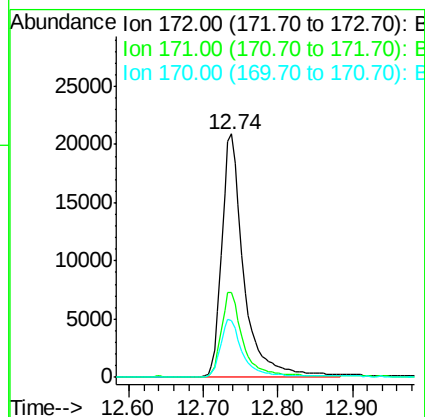
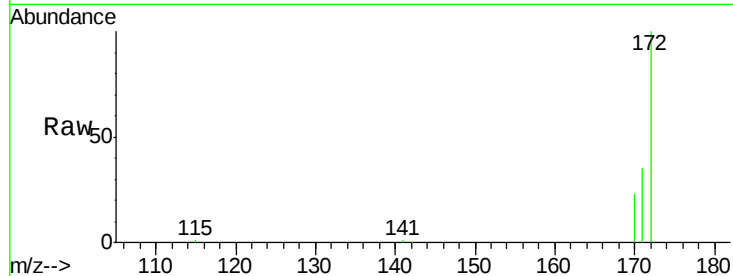
#15  
2-Fluorobiphenyl  
Concen: 0.78 ng  
RT: 12.74 min Scan# 1656  
Delta R.T. -0.01 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC002

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.8  | 43.2  |
| 170     | 23.5  | 19.3  | 28.9  |

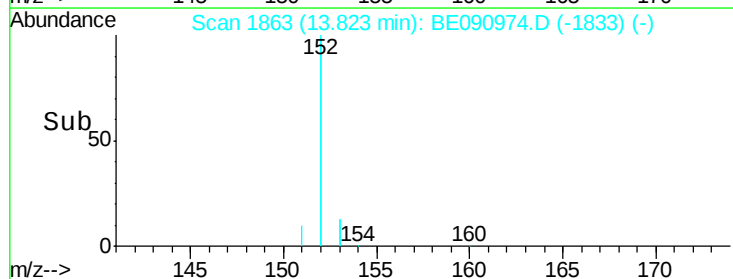
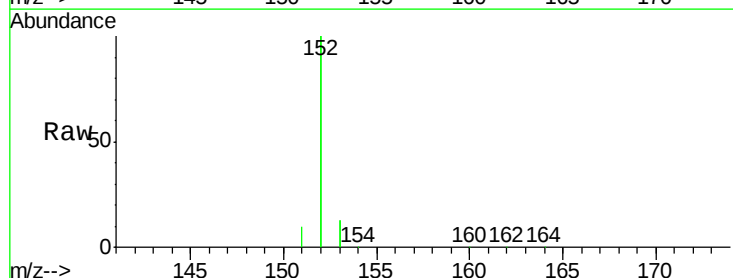
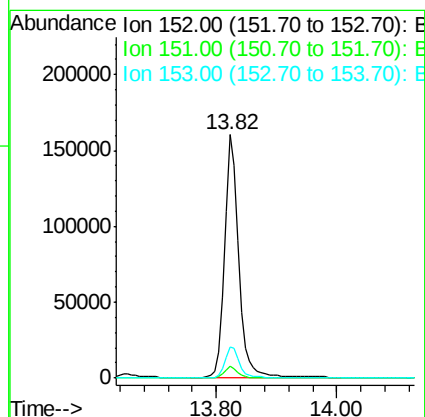
Manual Integrations  
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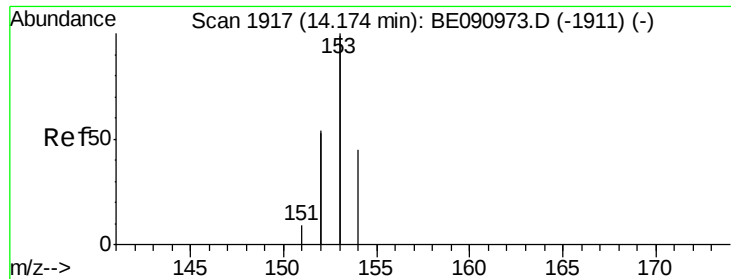
MMDadoda  
9/29/2015 4:50:46 PM



#16  
Acenaphthylene  
Concen: 0.80 ng  
RT: 13.82 min Scan# 1863  
Delta R.T. -0.01 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 4.8   | 3.9   | 5.9   |
| 153     | 13.0  | 10.3  | 15.5  |





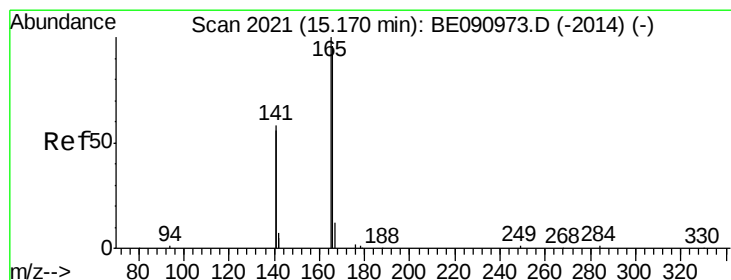
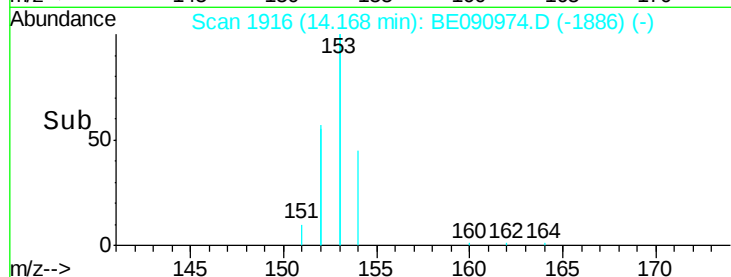
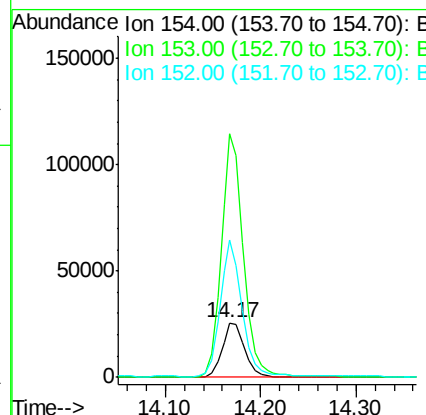
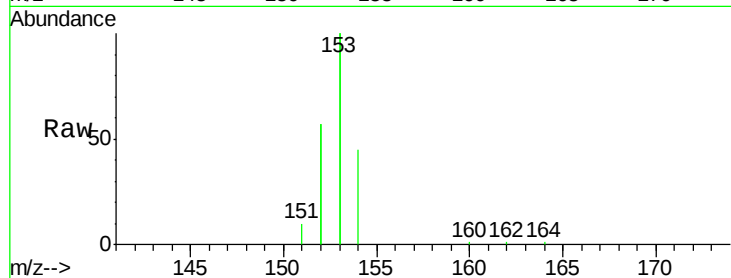
#17  
Acenaphthene  
Concen: 0.77 ng  
RT: 14.17 min Scan# 1916  
Delta R.T. -0.01 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC002

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 440.3 | 352.0 | 528.0 |
| 152     | 247.0 | 200.0 | 300.0 |

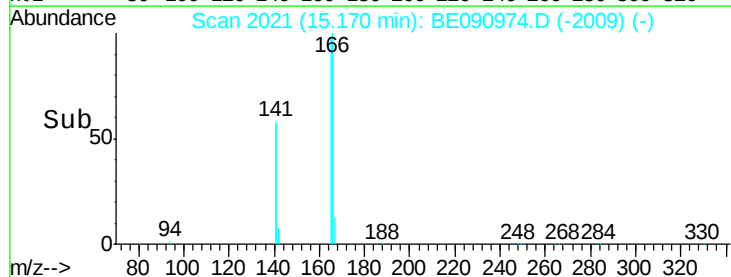
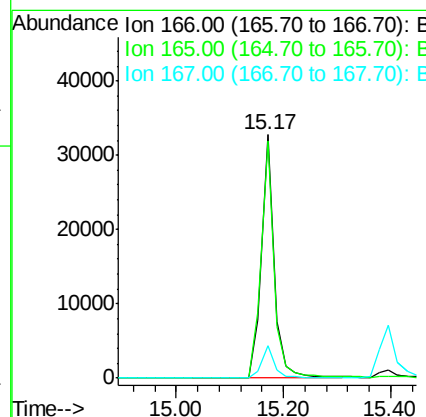
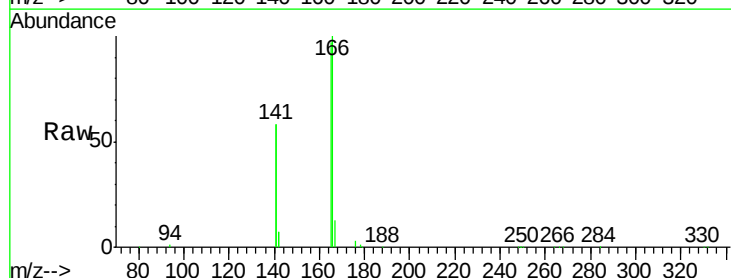
Manual Integrations  
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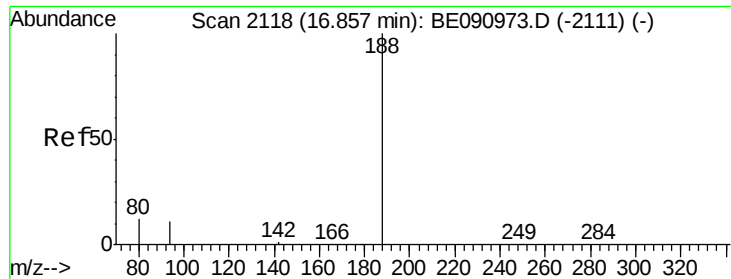
MMDadoda  
9/29/2015 4:50:46 PM



#18  
Fluorene  
Concen: 0.81 ng  
RT: 15.17 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.0  | 80.8  | 121.2 |
| 167     | 13.4  | 10.9  | 16.3  |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.86 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

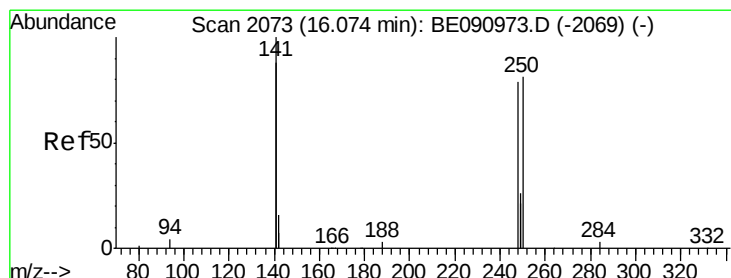
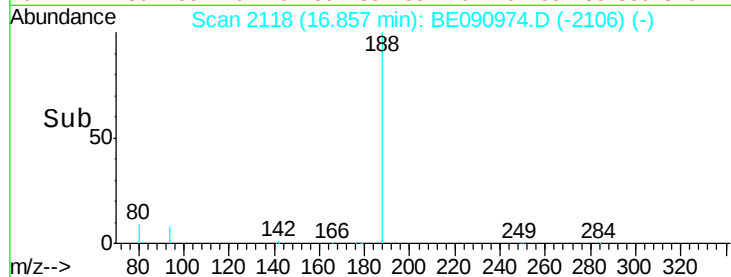
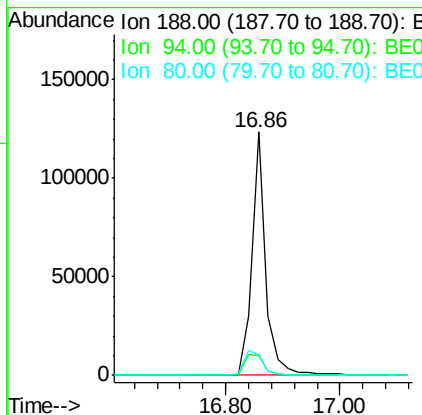
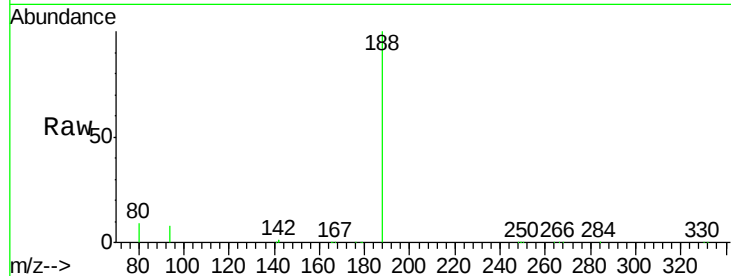
ClientSampleId :

SSTDICC002

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 209127 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.0   | 8.7   | 13.1#  |
| 80        | 8.7   | 9.4   | 14.0#  |

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9/29/2015 4:50:46 PM



#20

4-Bromophenyl-phenylether

Concen: 0.77 ng

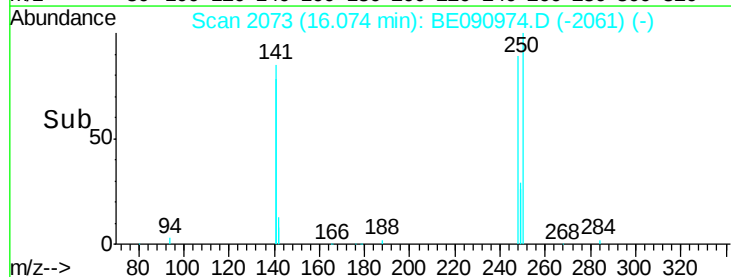
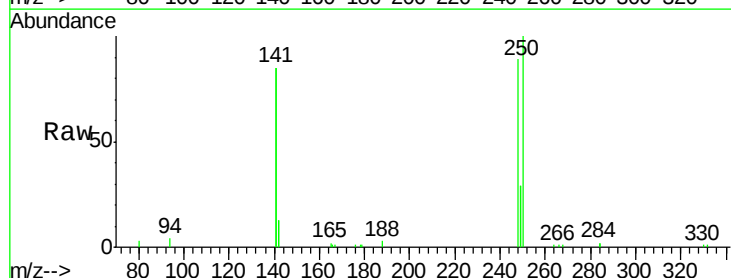
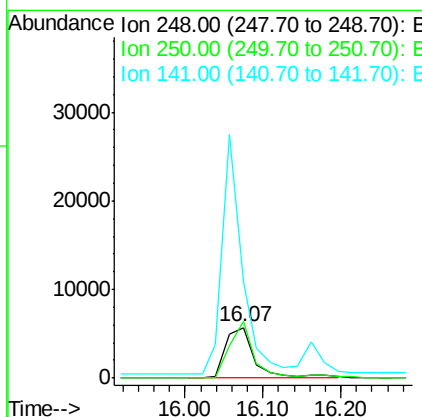
RT: 16.07 min Scan# 2073

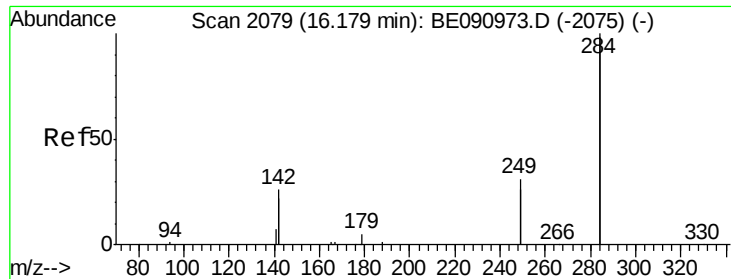
Delta R.T. 0.00 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 14211 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 92.7  | 80.5  | 120.7 |
| 141       | 339.1 | 261.9 | 392.9 |





#21

Hexachlorobenzene

Concen: 0.73 ng

RT: 16.18 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

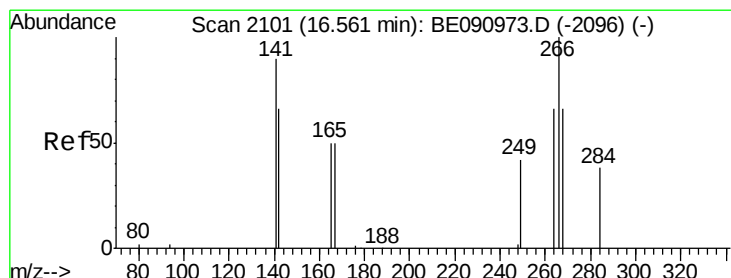
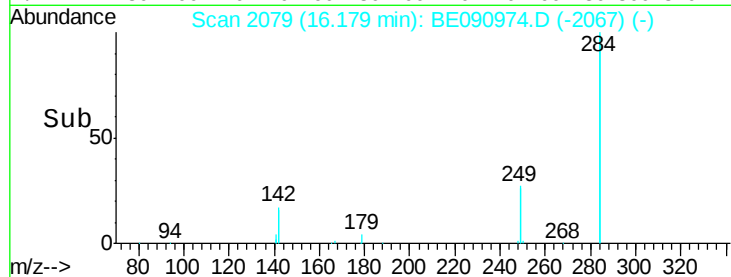
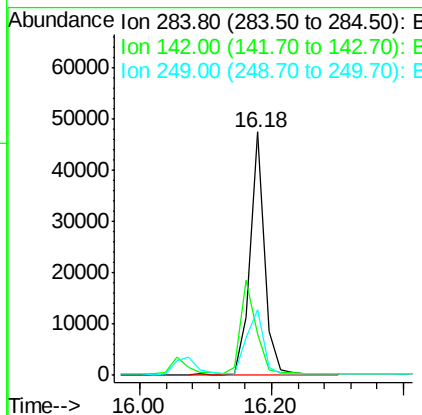
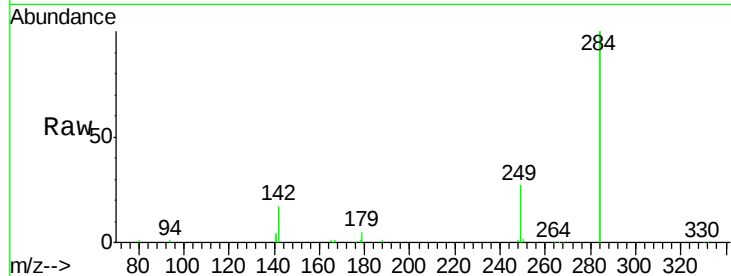
ClientSampleId :

SSTDICC002

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 71809 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 41.0  | 32.2  | 48.2  |
| 249       | 31.1  | 25.4  | 38.2  |

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#22

Pentachlorophenol

Concen: 0.82 ng m

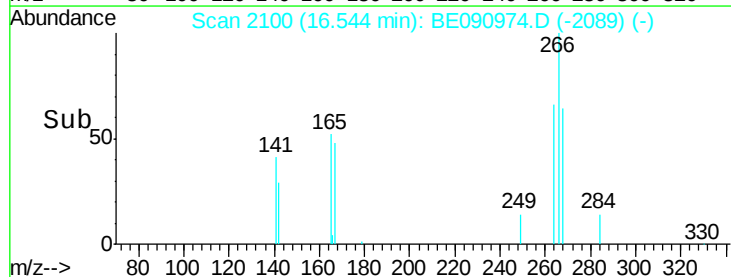
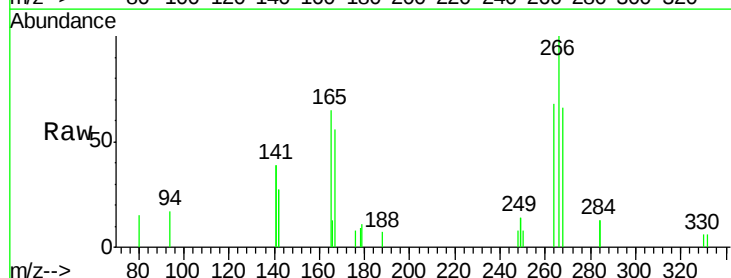
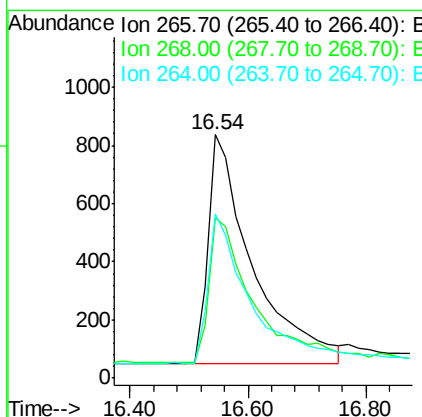
RT: 16.54 min Scan# 2100

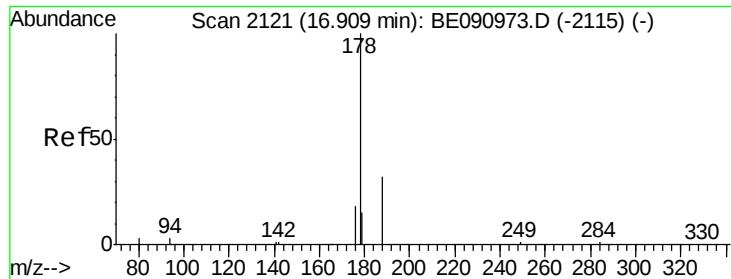
Delta R.T. -0.02 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 4131 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 268       | 65.7  | 58.2  | 87.2 |
| 264       | 67.7  | 56.2  | 84.4 |





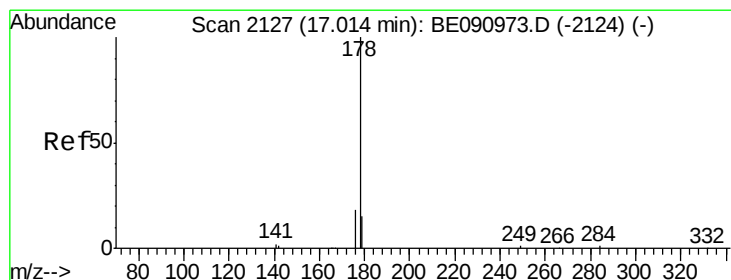
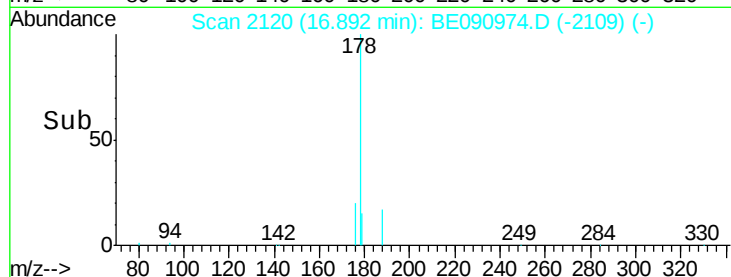
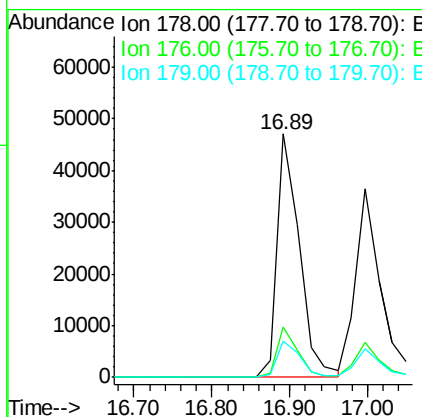
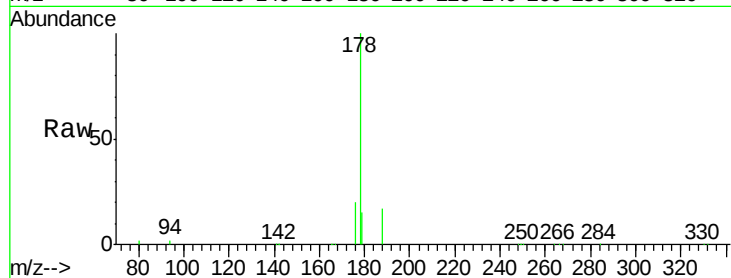
#23  
Phenanthrene  
Concen: 0.76 ng  
RT: 16.89 min Scan# 2120  
Delta R.T. -0.02 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC002

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.3  | 22.9  |
| 179     | 15.5  | 12.6  | 18.8  |

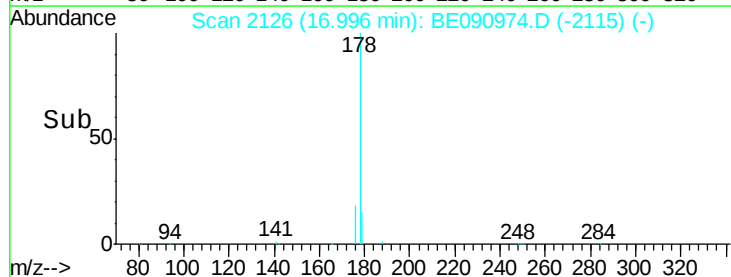
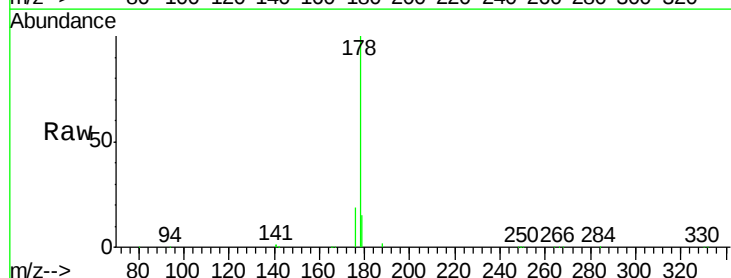
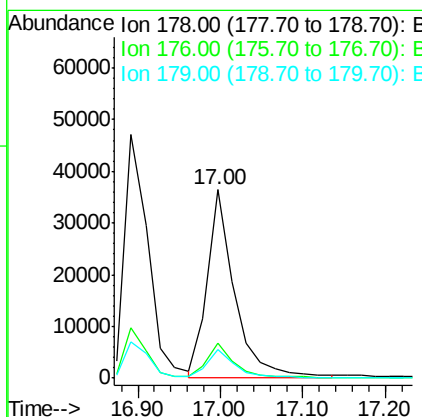
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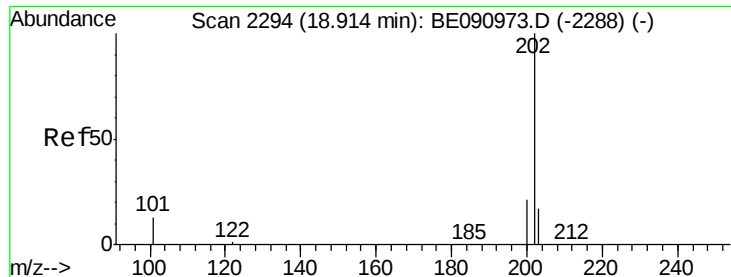
MMDadoda  
9/29/2015 4:50:46 PM



#24  
Anthracene  
Concen: 0.86 ng m  
RT: 17.00 min Scan# 2126  
Delta R.T. -0.02 min  
Lab File: BE090974.D  
Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.5  | 14.6  | 21.8  |
| 179     | 14.2  | 11.8  | 17.6  |





#25

Fluoranthene

Concen: 0.77 ng

RT: 18.91 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

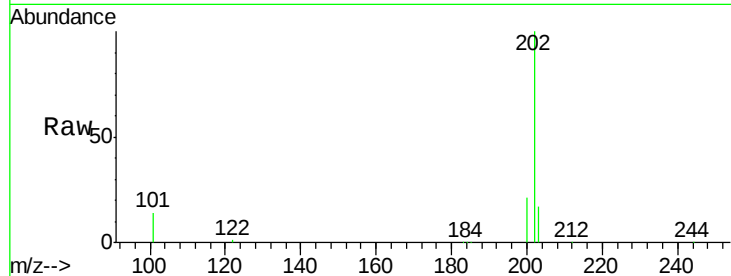
ClientSampleId :

SSTDIC002

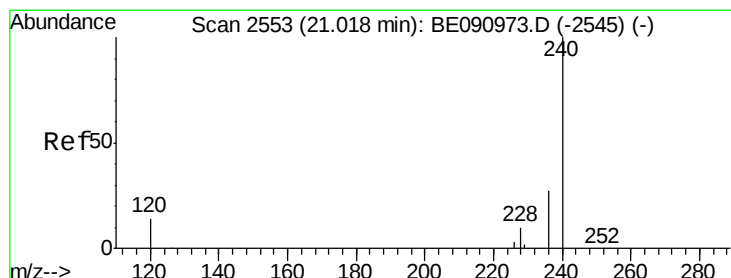
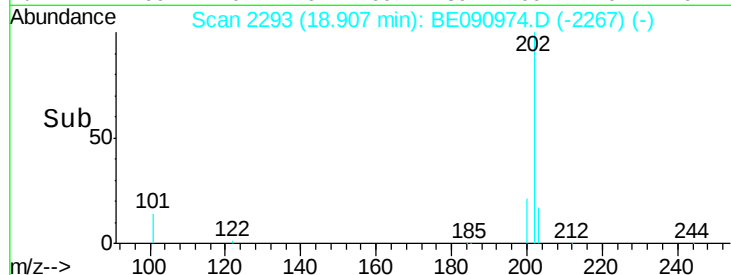
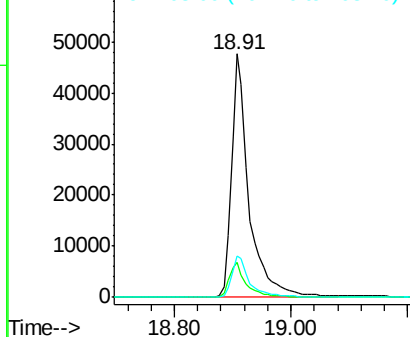
|     |       |       |       |       |
|-----|-------|-------|-------|-------|
| Tgt | Ion   | 202   | Resp: | 99060 |
| Ion | Ratio | Lower | Upper |       |
| 202 | 100   |       |       |       |
| 101 | 14.0  | 11.0  | 16.6  |       |
| 203 | 17.2  | 13.9  | 20.9  |       |

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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

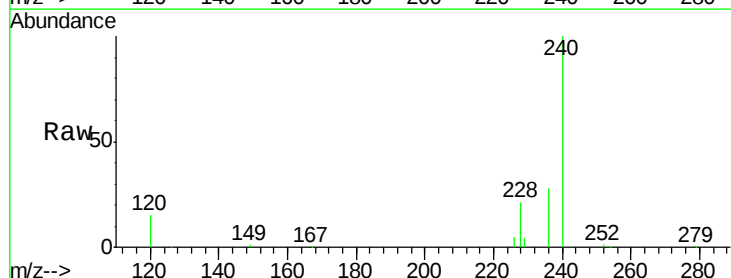
RT: 21.02 min Scan# 2552

Delta R.T. -0.00 min

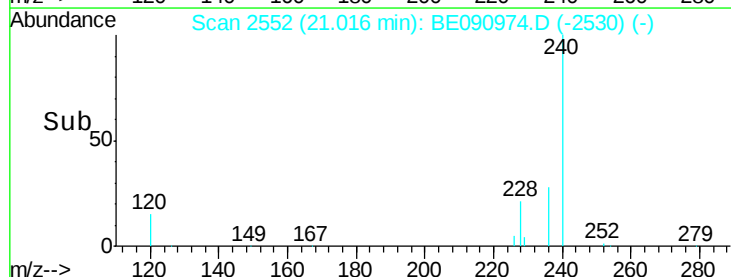
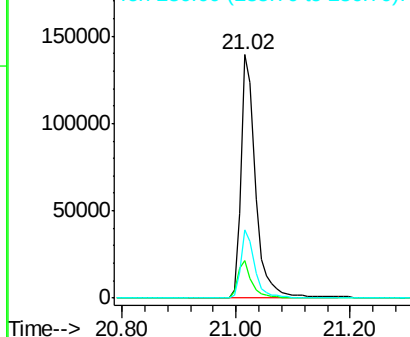
Lab File: BE090974.D

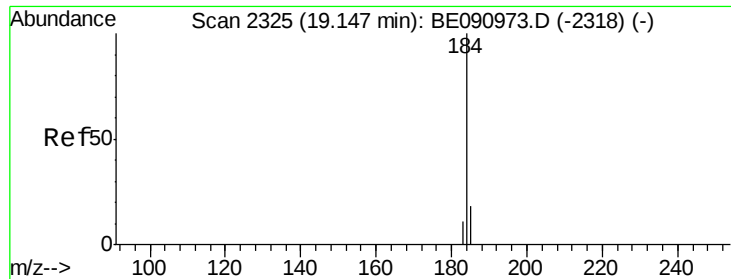
Acq: 28 Sep 2015 20:10

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 240   | Resp: | 236428 |
| Ion | Ratio | Lower | Upper |        |
| 240 | 100   |       |       |        |
| 120 | 15.3  | 11.0  | 16.4  |        |
| 236 | 27.8  | 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: 0.92 ng m

RT: 19.14 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BE090974.D

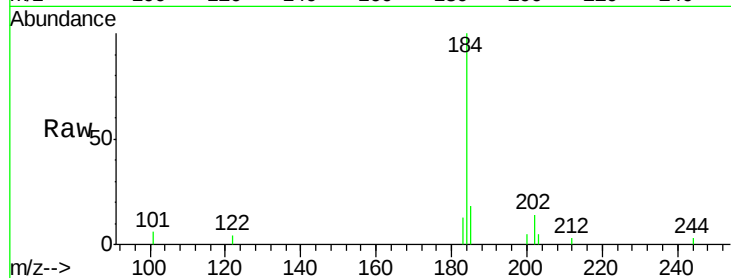
Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

ClientSampleId :

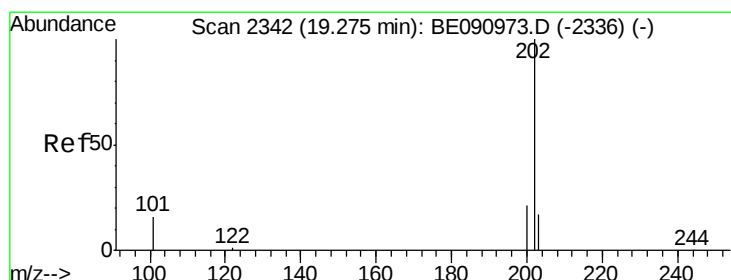
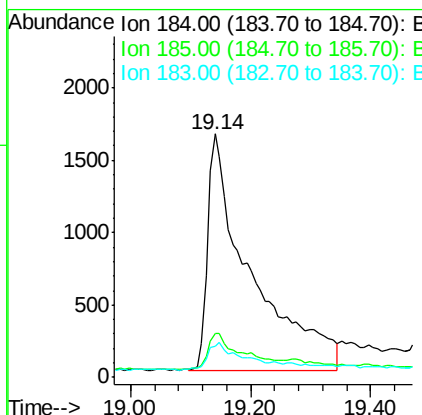
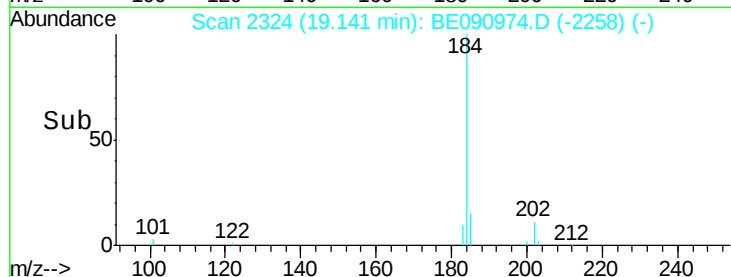
SSTDICC002



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 8058  |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 18.2  | 22.3  | 33.5# |
| 183       | 12.8  | 16.4  | 24.6# |

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9/29/2015 4:50:46 PM



#28

Pyrene

Concen: 0.83 ng

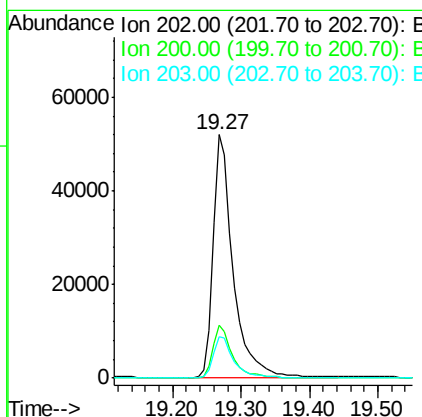
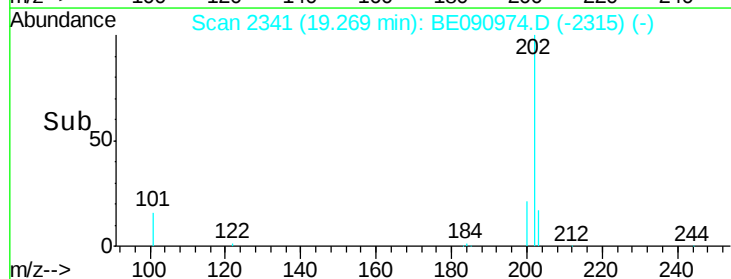
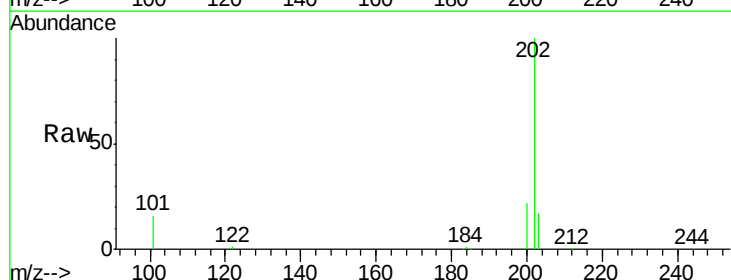
RT: 19.27 min Scan# 2341

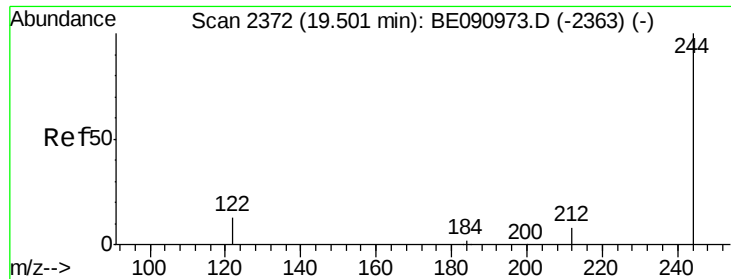
Delta R.T. -0.01 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 104817 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.1  | 16.8  | 25.2   |
| 203       | 17.4  | 14.0  | 21.0   |





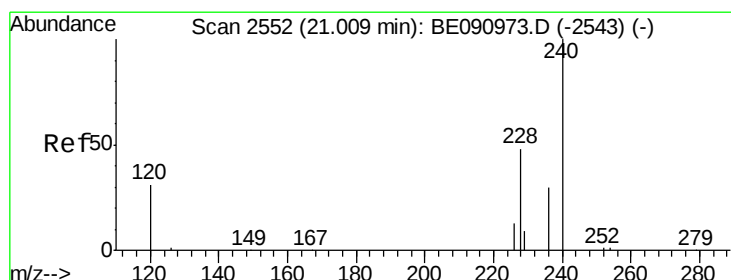
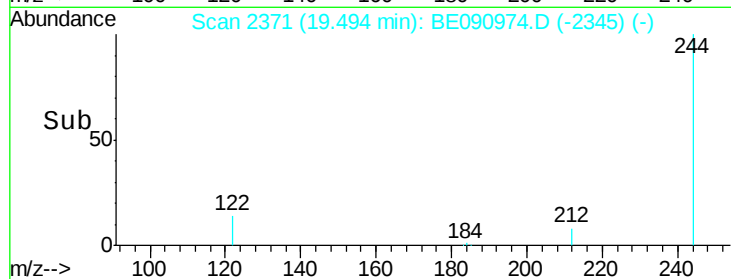
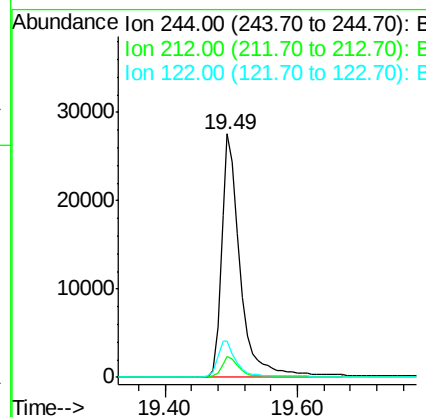
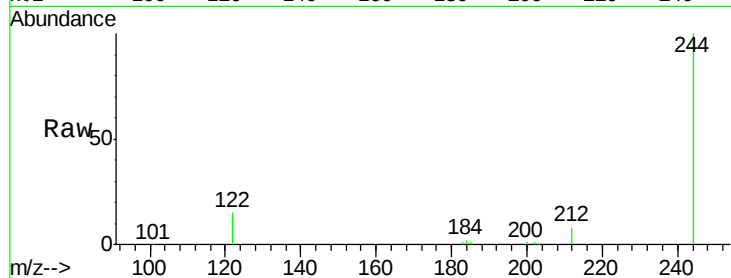
#29  
 Terphenyl-d14  
 Concen: 0.84 ng  
 RT: 19.49 min Scan# 2371  
 Delta R.T. -0.01 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC002

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 8.3   | 6.9        | 10.3       |
| 122     | 14.7  | 11.0       | 16.4       |

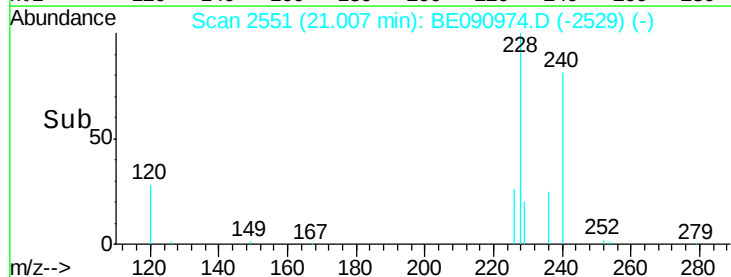
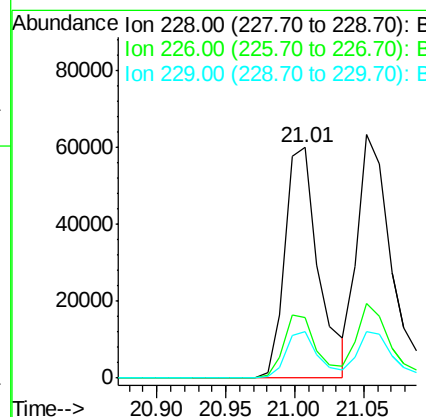
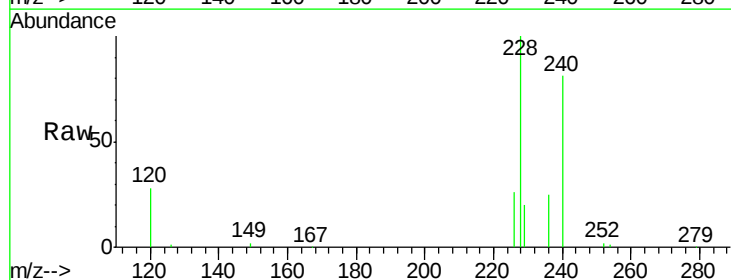
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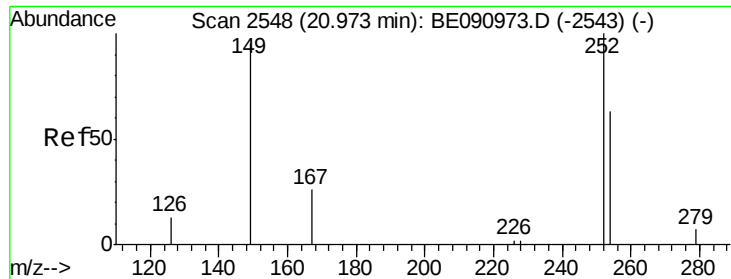
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#30  
 Benzo(a)anthracene  
 Concen: 0.81 ng  
 RT: 21.01 min Scan# 2551  
 Delta R.T. -0.00 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 26.2  | 21.0       | 31.4       |
| 229     | 20.1  | 15.7       | 23.5       |





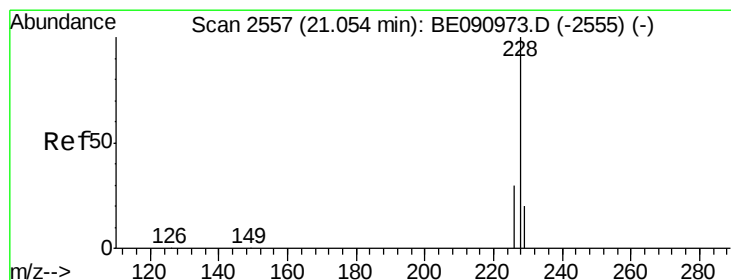
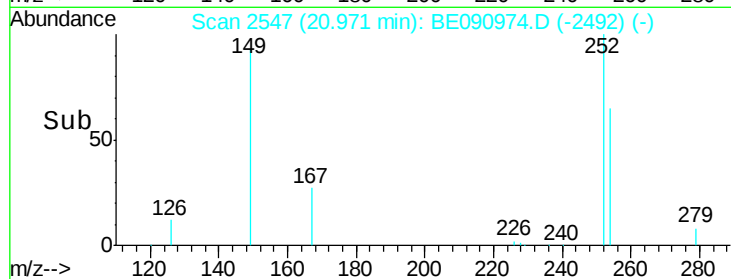
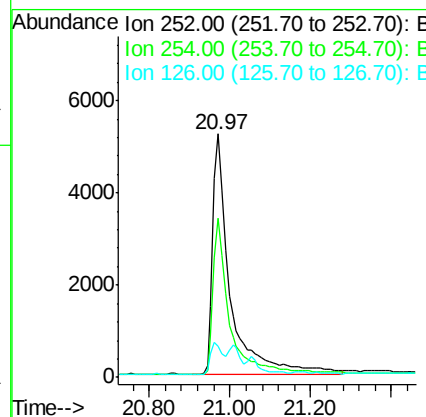
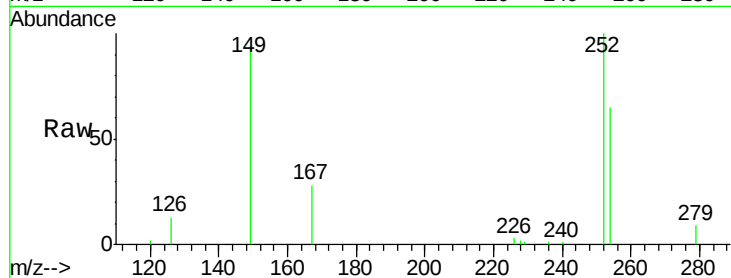
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.89 ng  
 RT: 20.97 min Scan# 2547  
 Delta R.T. -0.00 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC002

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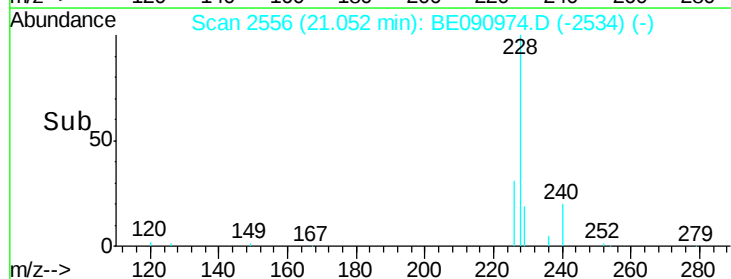
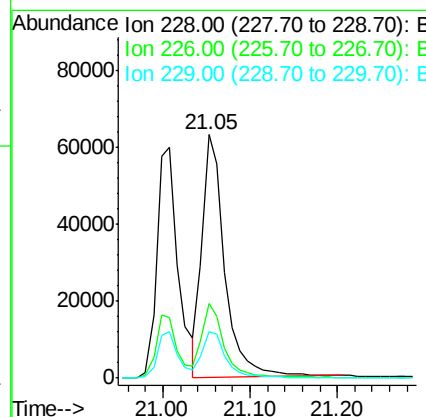
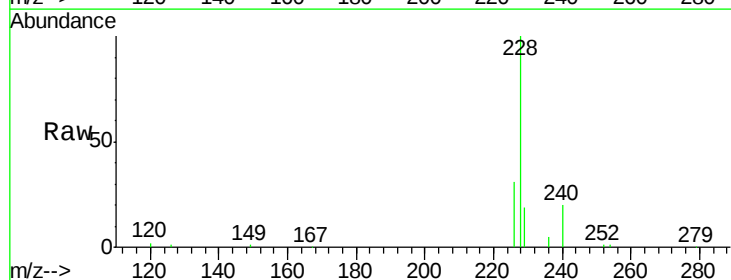
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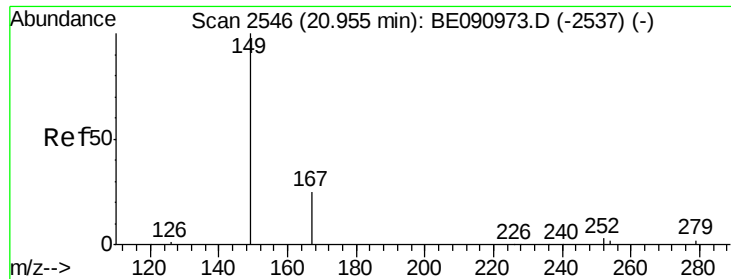
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.4  | 51.1  | 76.7  |
| 126     | 12.8  | 12.6  | 18.8  |



#32  
 Chrysene  
 Concen: 0.77 ng  
 RT: 21.05 min Scan# 2556  
 Delta R.T. -0.00 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

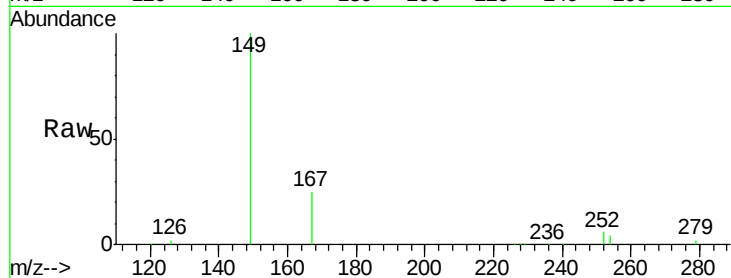
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.0  | 36.0  |
| 229     | 19.0  | 15.9  | 23.9  |





#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.93 ng  
 RT: 20.95 min Scan# 2545  
 Delta R.T. -0.00 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

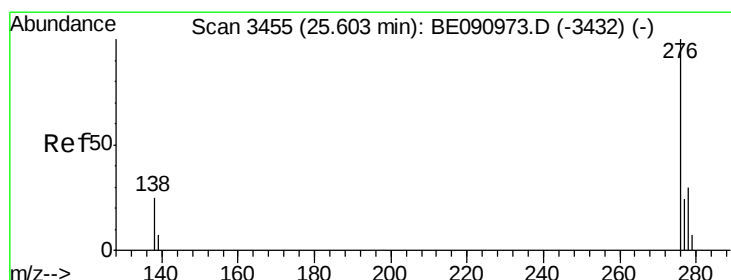
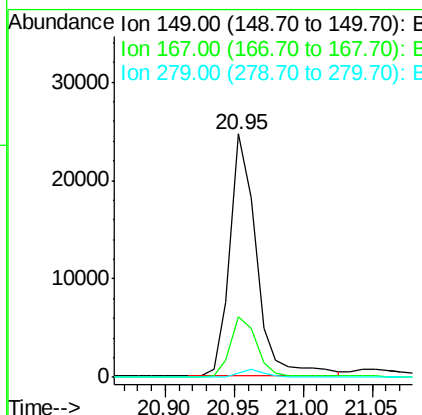
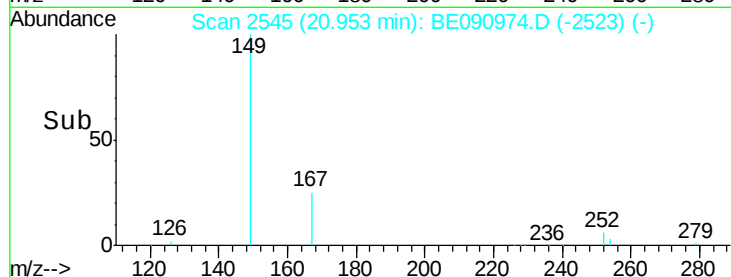
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC002



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 24.2  | 19.5  | 29.3  |
| 279     | 2.9   | 2.3   | 3.5   |

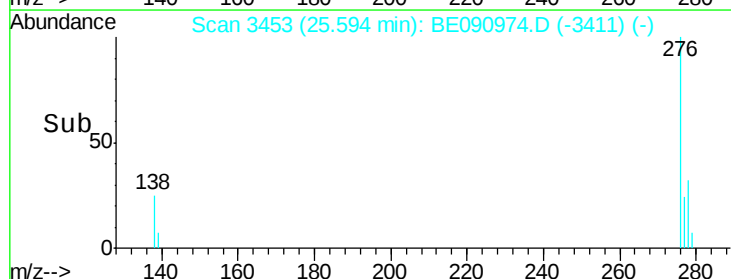
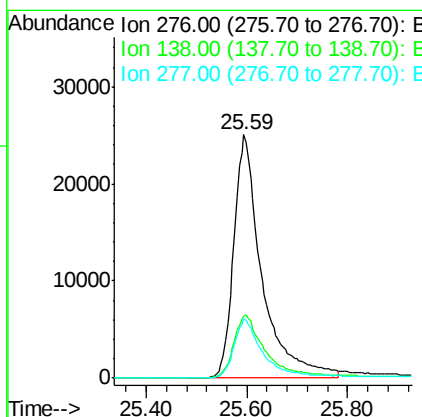
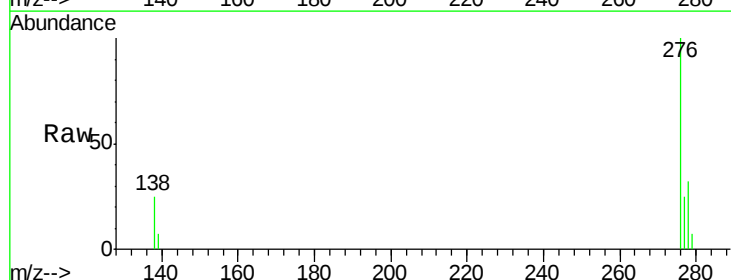
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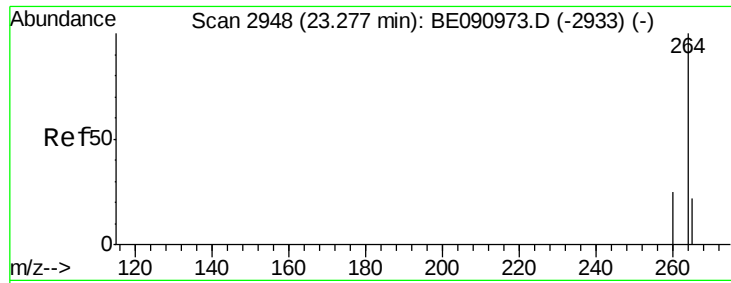
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#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.78 ng  
 RT: 25.59 min Scan# 3453  
 Delta R.T. -0.01 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.8  | 23.4  | 35.2  |
| 277     | 24.7  | 19.8  | 29.8  |





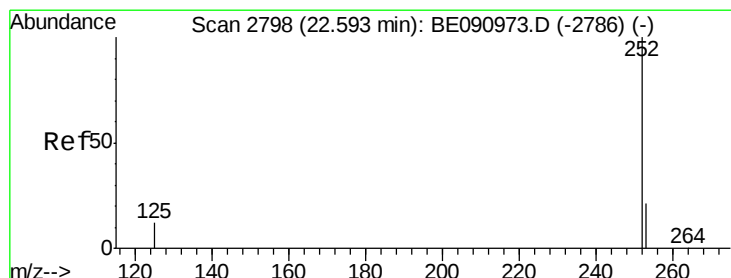
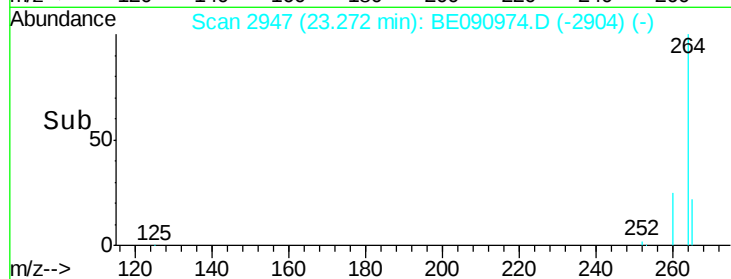
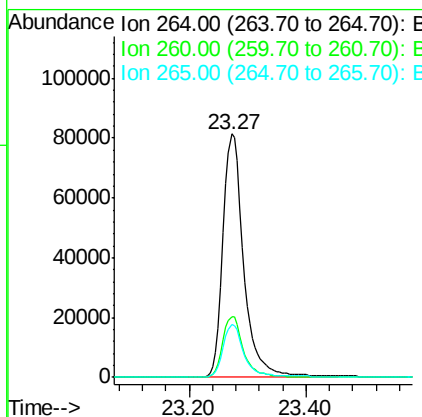
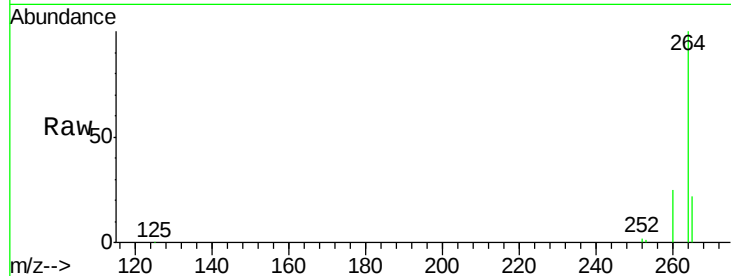
#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.27 min Scan# 2947  
 Delta R.T. -0.00 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC002

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 199652 |       |       |
| 260     | 25.0  | 20.0   | 30.0  |       |
| 265     | 21.8  | 17.5   | 26.3  |       |

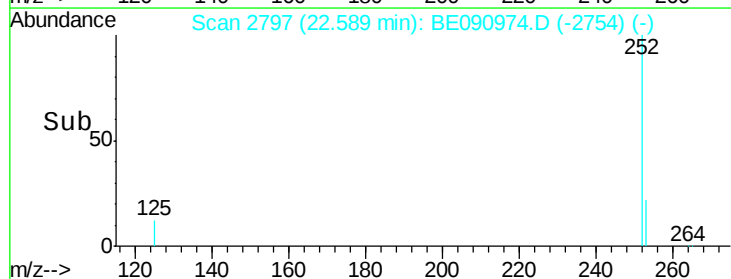
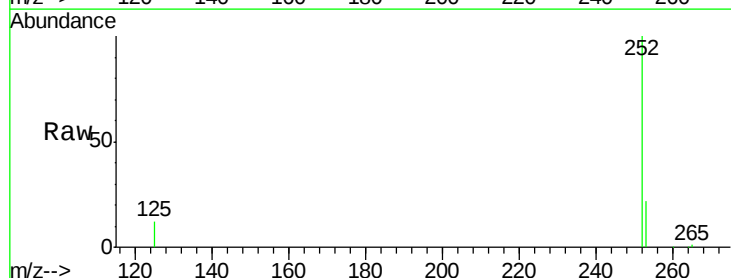
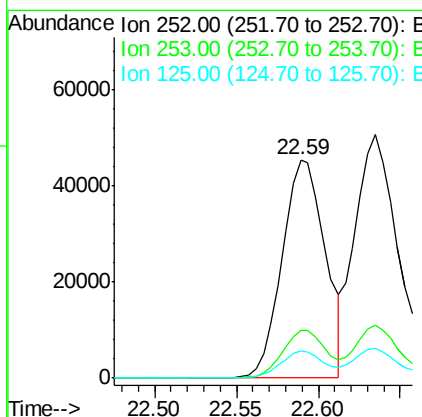
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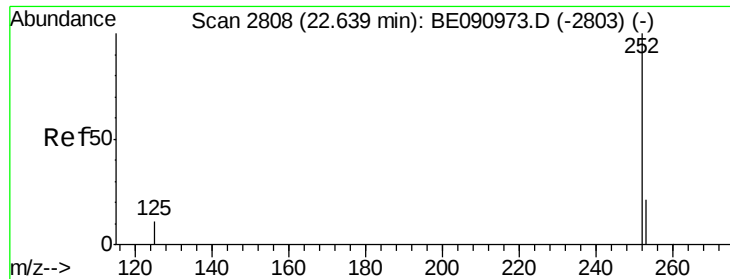
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#36  
 Benzo(b)fluoranthene  
 Concen: 0.84 ng  
 RT: 22.59 min Scan# 2797  
 Delta R.T. -0.00 min  
 Lab File: BE090974.D  
 Acq: 28 Sep 2015 20:10

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 82749 |       |       |
| 253     | 22.0  | 17.4  | 26.0  |       |
| 125     | 12.2  | 10.2  | 15.2  |       |





#37

Benzo(k)fluoranthene

Concen: 0.88 ng m

RT: 22.63 min Scan# 2807

Delta R.T. -0.00 min

Lab File: BE090974.D

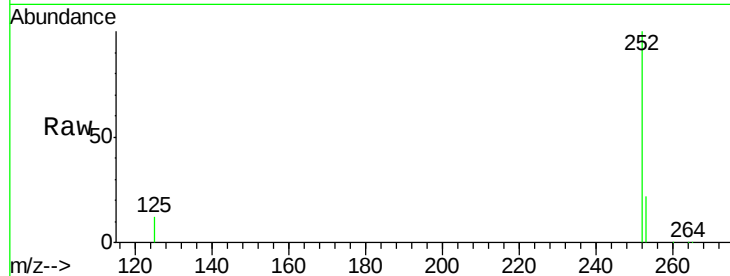
Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

ClientSampleId :

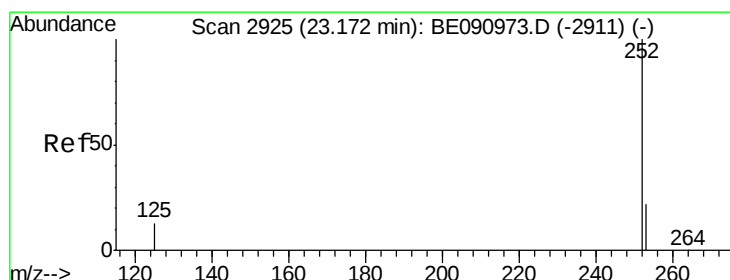
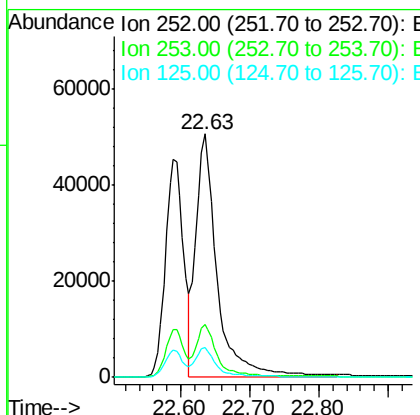
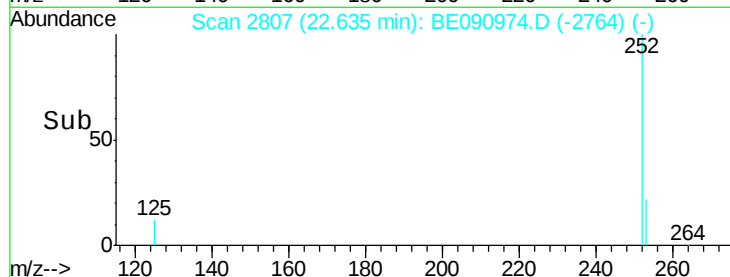
SSTDICC002



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 109377 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.6  | 26.4   |
| 125       | 12.2  | 9.9   | 14.9   |

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#38

Benzo(a)pyrene

Concen: 0.85 ng

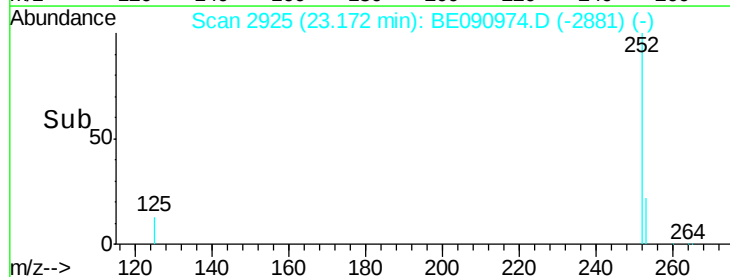
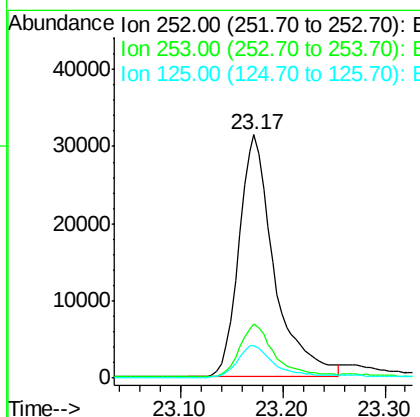
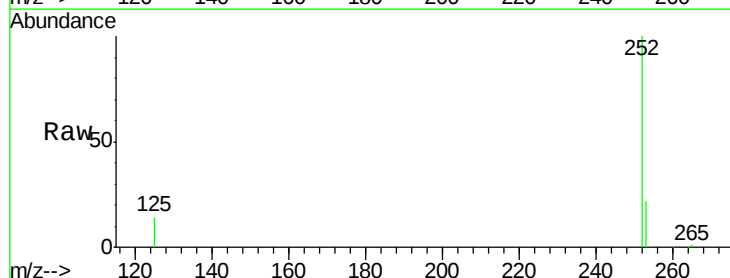
RT: 23.17 min Scan# 2925

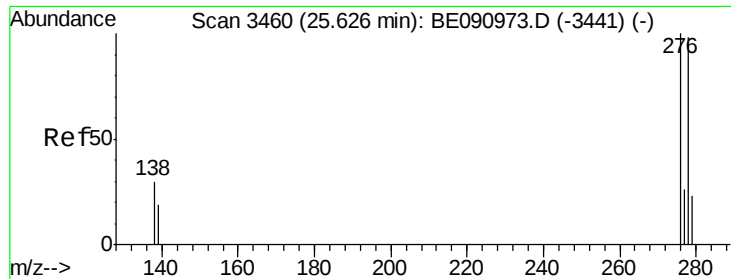
Delta R.T. 0.00 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 74681 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.0  | 18.1  | 27.1  |
| 125       | 13.5  | 11.0  | 16.4  |





#39

Dibenzo(a,h)anthracene

Concen: 0.86 ng

RT: 25.62 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BE090974.D

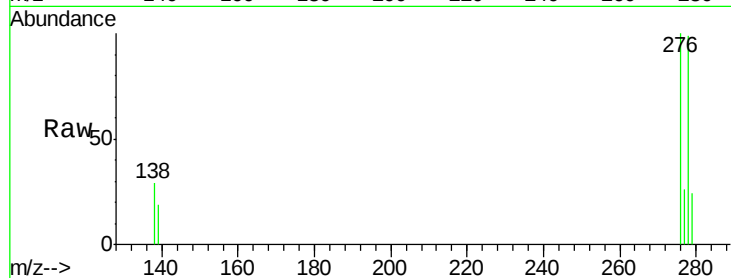
Acq: 28 Sep 2015 20:10

Instrument :

BNA\_E

ClientSampleId :

SSTDICC002



Tgt Ion: 278 Resp: 74255

Ion Ratio Lower Upper

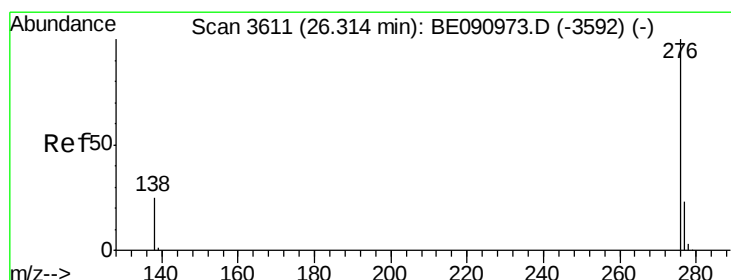
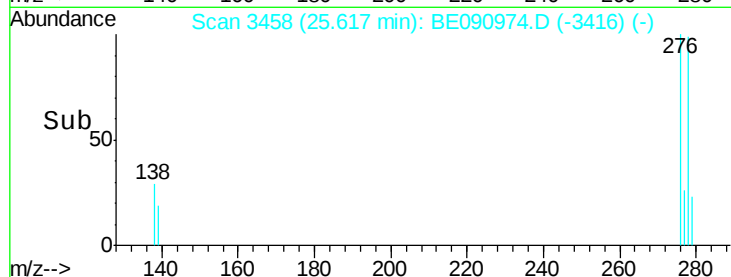
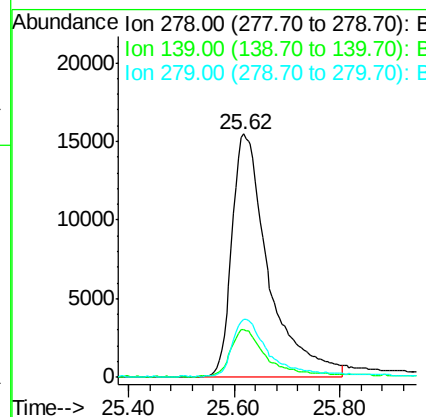
278 100

139 19.4 16.0 24.0

279 24.0 19.4 29.2

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#40

Benzo(g,h,i)perylene

Concen: 0.82 ng

RT: 26.30 min Scan# 3609

Delta R.T. -0.01 min

Lab File: BE090974.D

Acq: 28 Sep 2015 20:10

Tgt Ion: 276 Resp: 79221

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 25.9 20.4 30.6

