

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE092815\  
 Data File : BE090971.D  
 Acq On : 28 Sep 2015 17:43  
 Operator : UM/IZ  
 Sample : SSTDICC0.5  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

Manual Integrations  
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 9/29/2015 4:50:18 PM

Quant Time: Sep 29 06:36:51 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 | 7.49  | 152  | 33225    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.26 | 136  | 151626m  | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.12 | 164  | 84404    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.86 | 188  | 201054   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.03 | 240  | 241765   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.27 | 264  | 223792   | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |      |
|--------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol        | 5.12  | 112 | 2831m | 0.23 | ng | 0.00 |
| 5) Phenol-d6             | 6.76  | 99  | 3538m | 0.19 | ng | 0.04 |
| 8) Nitrobenzene-d5       | 8.69  | 82  | 3344m | 0.17 | ng | 0.04 |
| 14) 2,4,6-Tribromophenol | 15.64 | 330 | 1055  | 0.21 | ng | 0.00 |
| 15) 2-Fluorobiphenyl     | 12.76 | 172 | 9704  | 0.18 | ng | 0.02 |
| 29) Terphenyl-d14        | 19.51 | 244 | 13507 | 0.20 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |      |    | Qvalue |
|--------------------------------|-------|-----|--------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 2722   | 0.22 | ng | 99     |
| 3) n-Nitrosodimethylamine      | 3.39  | 42  | 2606   | 0.20 | ng | 88     |
| 6) bis(2-Chloroethyl)ether     | 7.01  | 93  | 4000m  | 0.21 | ng |        |
| 9) Nitrobenzene                | 8.74  | 77  | 2922   | 0.15 | ng | # 58   |
| 10) Naphthalene                | 10.31 | 128 | 14456  | 0.18 | ng | 98     |
| 11) Hexachlorobutadiene        | 10.60 | 225 | 2524   | 0.18 | ng | 97     |
| 12) 2-Methylnaphthalene        | 11.97 | 142 | 8209   | 0.18 | ng | 100    |
| 16) Acenaphthylene             | 13.83 | 152 | 61739  | 0.19 | ng | 99     |
| 17) Acenaphthene               | 14.18 | 154 | 10175  | 0.19 | ng | 98     |
| 18) Fluorene                   | 15.19 | 166 | 12023  | 0.18 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.07 | 248 | 3220   | 0.18 | ng | 91     |
| 21) Hexachlorobenzene          | 16.18 | 284 | 17839  | 0.19 | ng | 97     |
| 22) Pentachlorophenol          | 16.60 | 266 | 1003m  | 0.21 | ng |        |
| 23) Phenanthrene               | 16.91 | 178 | 21721  | 0.19 | ng | 100    |
| 24) Anthracene                 | 17.01 | 178 | 19411m | 0.20 | ng |        |
| 25) Fluoranthene               | 18.93 | 202 | 24739  | 0.20 | ng | 100    |
| 27) Benzidine                  | 19.19 | 184 | 1602m  | 0.18 | ng |        |
| 28) Pyrene                     | 19.29 | 202 | 25881  | 0.20 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.01 | 228 | 22372  | 0.17 | ng | 98     |
| 31) 3,3'-Dichlorobenzidine     | 20.99 | 252 | 3674   | 0.21 | ng | 97     |
| 32) Chrysene                   | 21.06 | 228 | 33418m | 0.22 | ng |        |
| 33) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 7464   | 0.21 | ng | 99     |
| 34) Indeno(1,2,3-cd)pyrene     | 25.61 | 276 | 23144  | 0.18 | ng | 99     |
| 36) Benzo(b)fluoranthene       | 22.60 | 252 | 19364  | 0.17 | ng | 98     |
| 37) Benzo(k)fluoranthene       | 22.64 | 252 | 29136m | 0.21 | ng |        |
| 38) Benzo(a)pyrene             | 23.18 | 252 | 17839  | 0.18 | ng | 98     |
| 39) Dibenzo(a,h)anthracene     | 25.65 | 278 | 18081m | 0.19 | ng |        |
| 40) Benzo(g,h,i)perylene       | 26.32 | 276 | 20135  | 0.19 | ng | 98     |

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

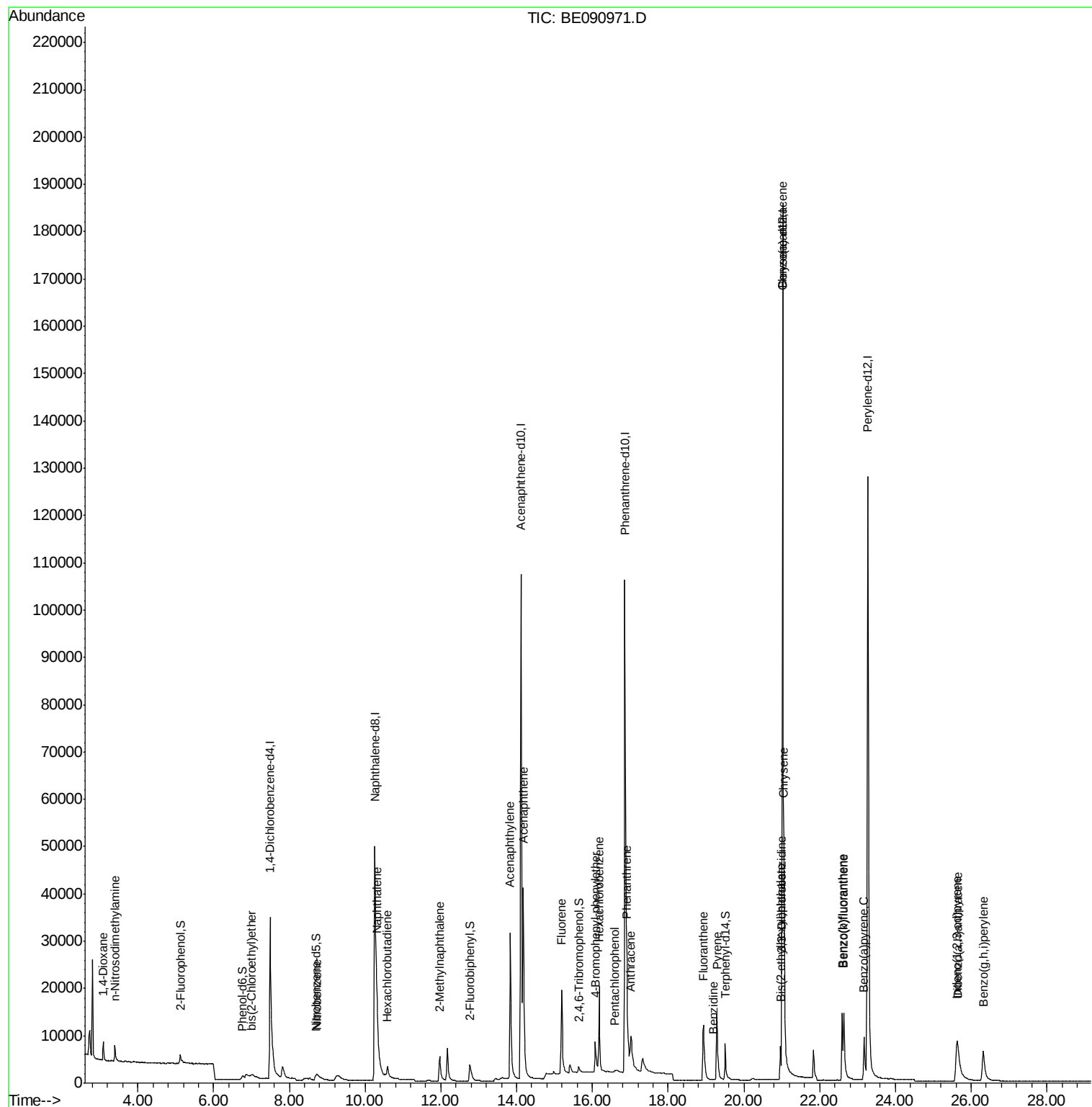
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE092815\  
Data File : BE090971.D  
Acq On : 28 Sep 2015 17:43  
Operator : UM/IZ  
Sample : SSTDICC0.5  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

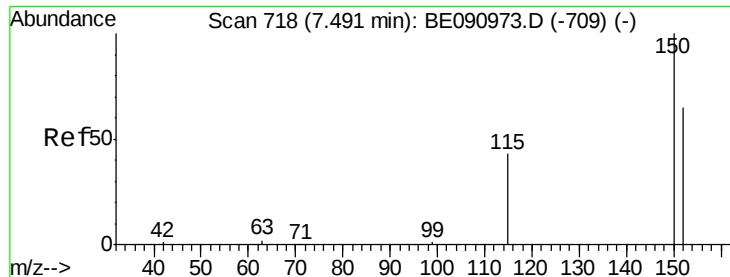
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.5

Quant Time: Sep 29 06:36:51 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

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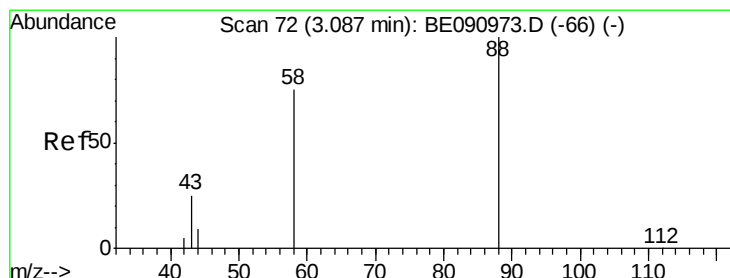
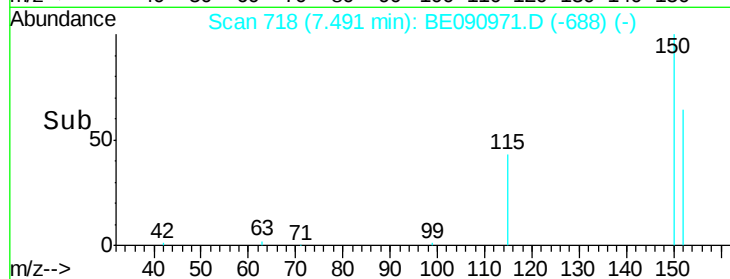
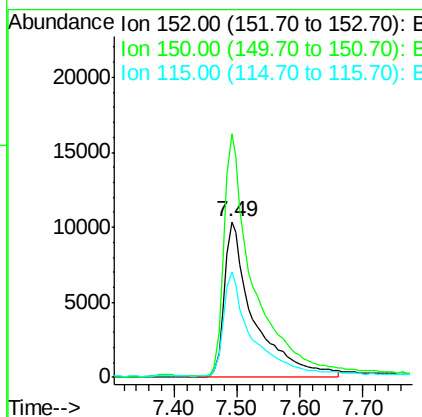
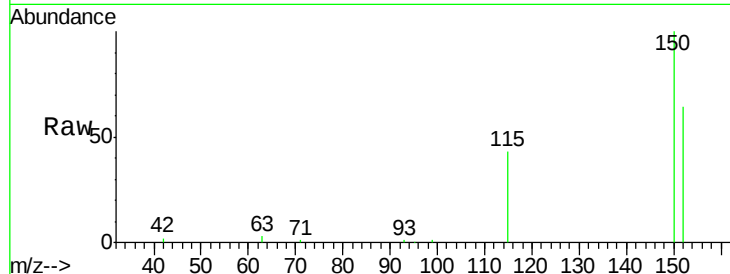
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.49 min Scan# 718  
 Delta R.T. 0.00 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 122.6 | 183.8 |
| 115     | 67.9  | 52.8  | 79.2  |

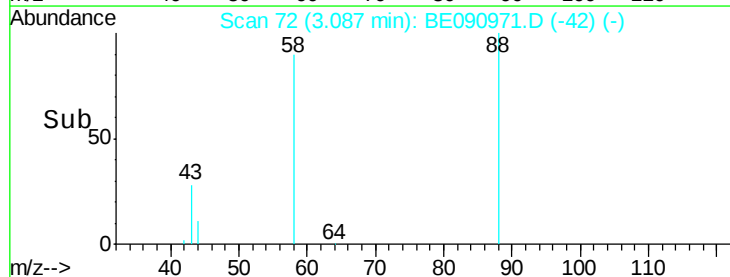
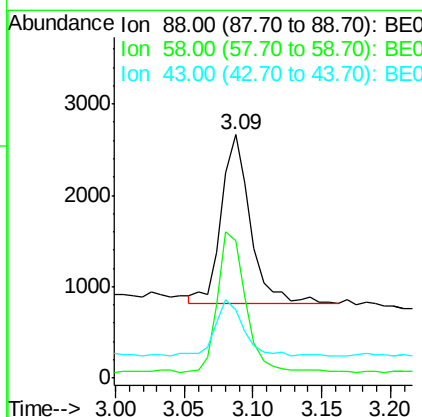
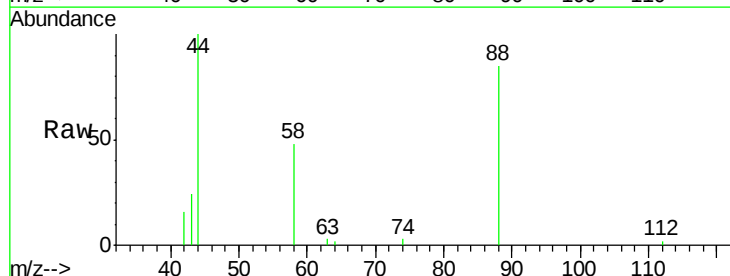
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#2  
 1,4-Dioxane  
 Concen: 0.22 ng  
 RT: 3.09 min Scan# 72  
 Delta R.T. 0.00 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 81.4  | 65.8  | 98.6  |
| 43      | 32.8  | 25.3  | 37.9  |





#3

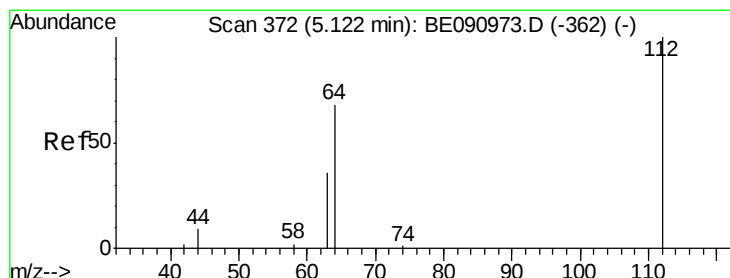
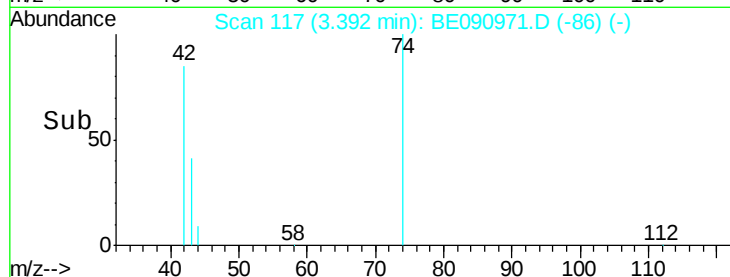
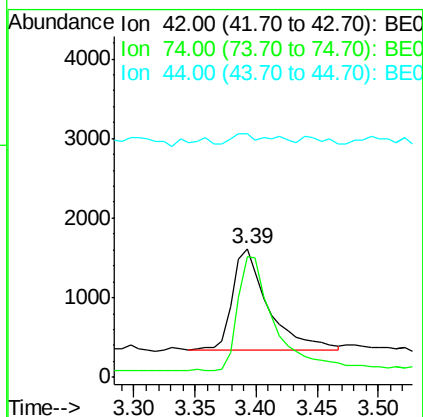
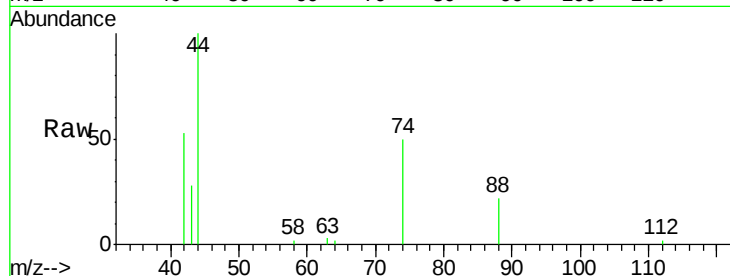
n-Nitrosodimethylamine  
Concen: 0.20 ng  
RT: 3.39 min Scan# 117  
Delta R.T. 0.01 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 123.6 | 87.9  | 131.9 |
| 44      | 7.7   | 6.6   | 9.8   |

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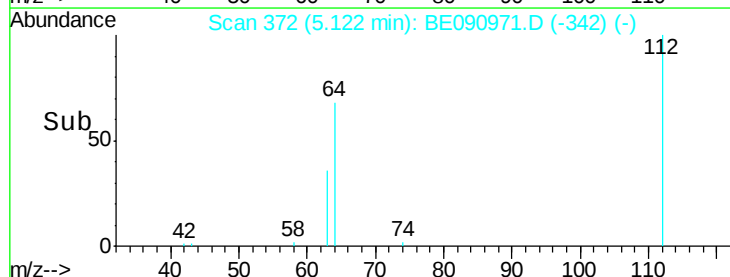
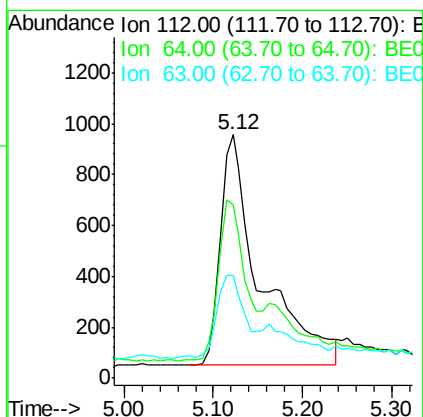
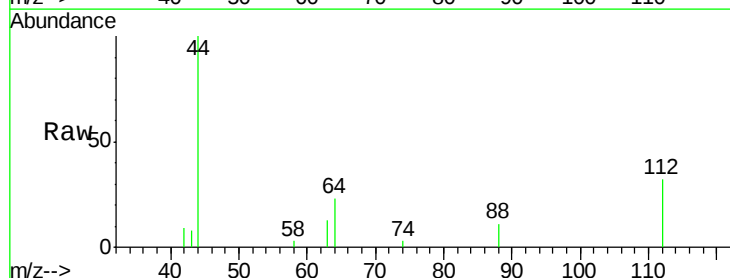
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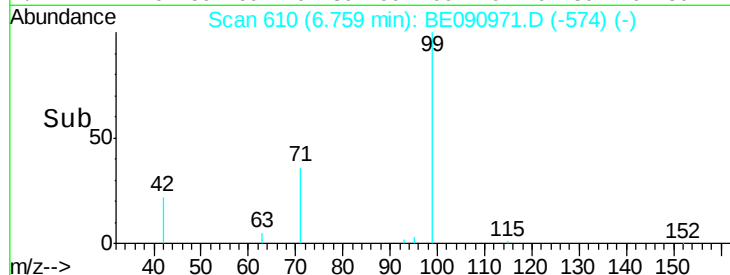
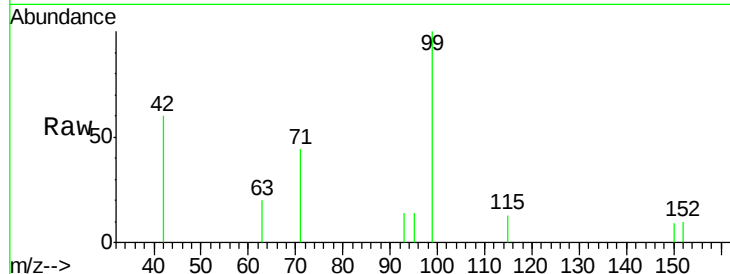
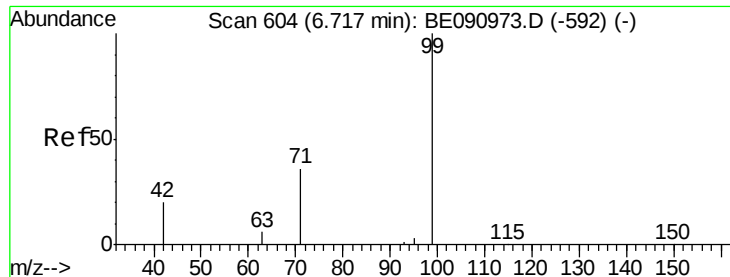


#4

2-Fluorophenol  
Concen: 0.23 ng m  
RT: 5.12 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.0  | 30.9  | 46.3# |
| 63      | 25.7  | 16.7  | 25.1# |





#5

Phenol-d6

Concen: 0.19 ng m

RT: 6.76 min Scan# 610

Delta R.T. 0.04 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 3538  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 14.1  | 16.2  | 24.2# |
| 71       | 31.4  | 29.0  | 43.4  |

Instrument :

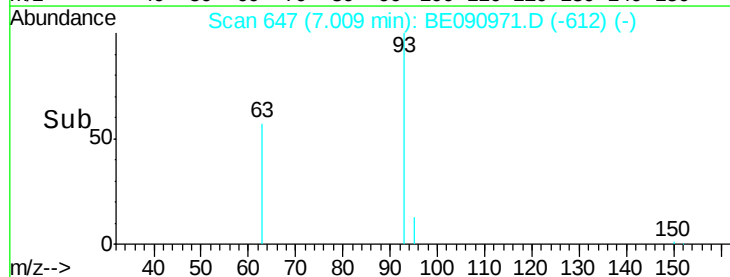
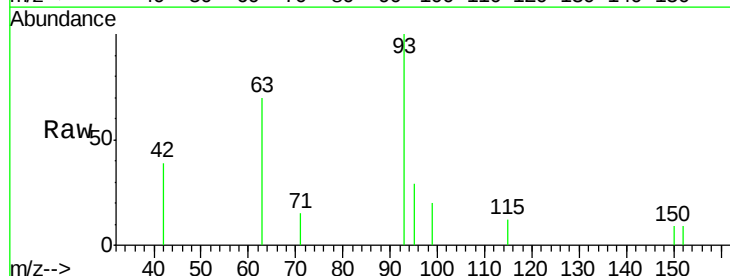
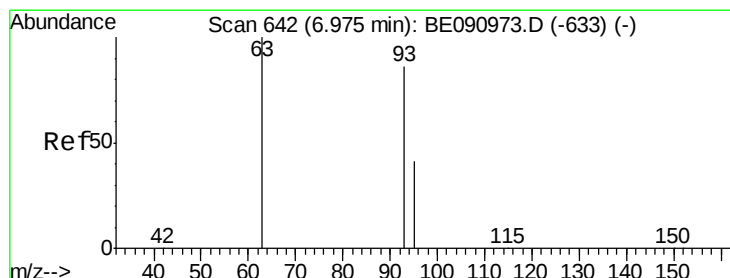
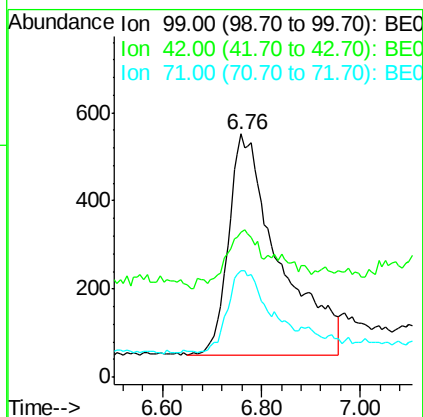
BNA\_E

ClientSampleId :

SSTDIC0.5

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#6

bis(2-Chloroethyl)ether

Concen: 0.21 ng m

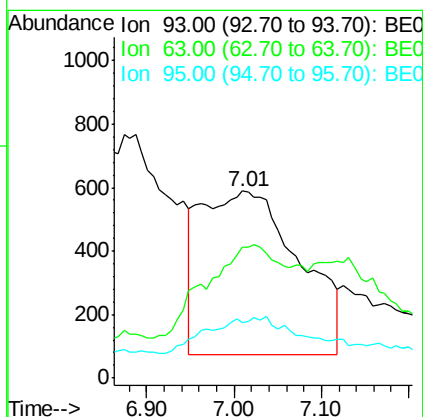
RT: 7.01 min Scan# 647

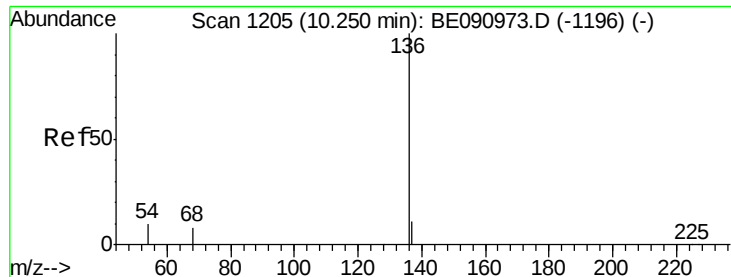
Delta R.T. 0.03 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4000  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 0.0   | 49.5  | 74.3# |
| 95       | 0.0   | 22.2  | 33.4# |





#7

Naphthalene-d8

Concen: 5.00 ng m

RT: 10.26 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BE090971.D

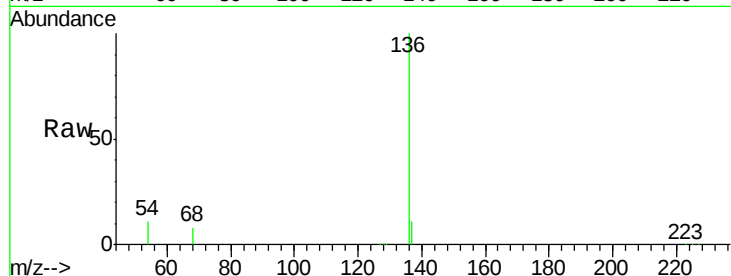
Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.5



Tgt Ion: 136 Resp: 151626

Ion Ratio Lower Upper

136 100

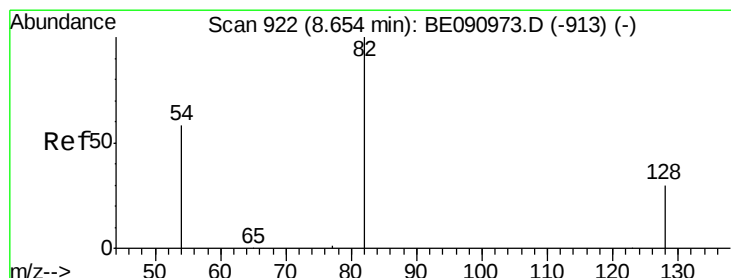
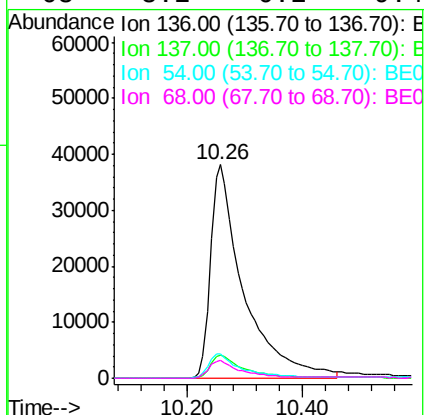
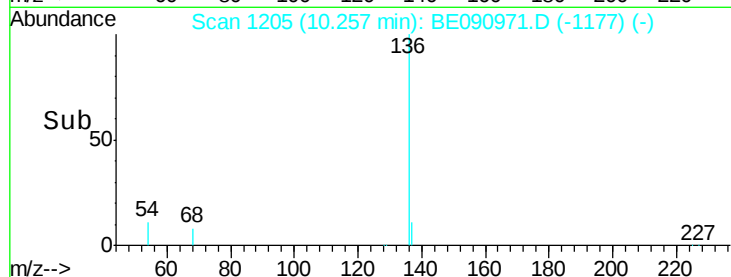
137 11.1 8.9 13.3

54 11.2 8.2 12.4

68 8.2 6.2 9.4

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#8

Nitrobenzene-d5

Concen: 0.17 ng m

RT: 8.69 min Scan# 930

Delta R.T. 0.04 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

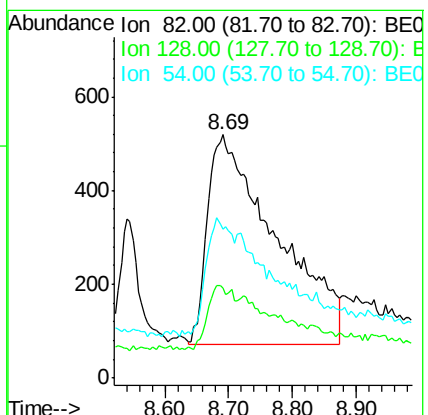
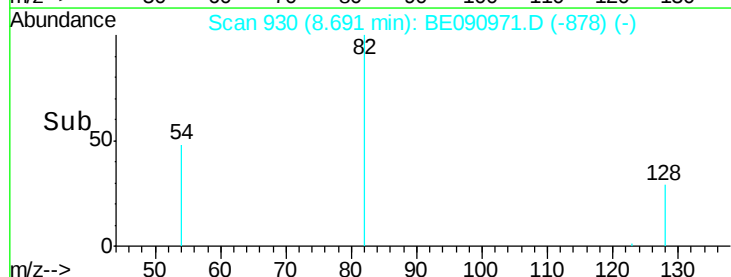
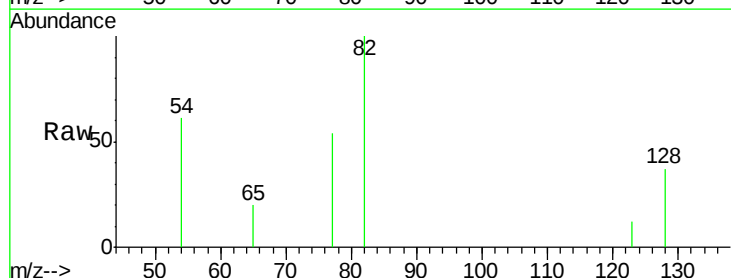
Tgt Ion: 82 Resp: 3344

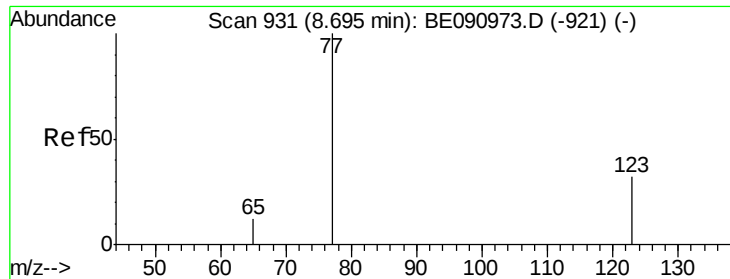
Ion Ratio Lower Upper

82 100

128 37.2 25.4 38.0

54 61.3 48.4 72.6





#9

Nitrobenzene

Concen: 0.15 ng

RT: 8.74 min Scan# 940

Delta R.T. 0.04 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

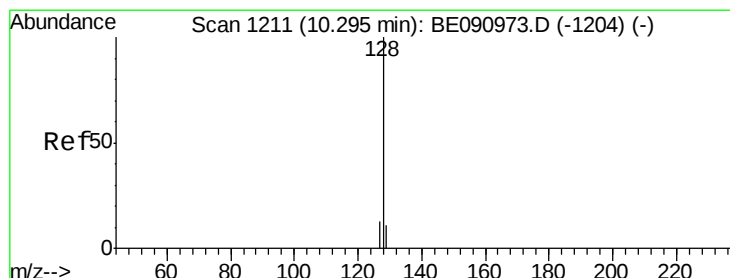
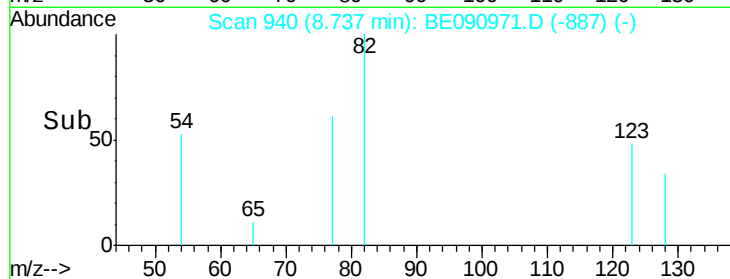
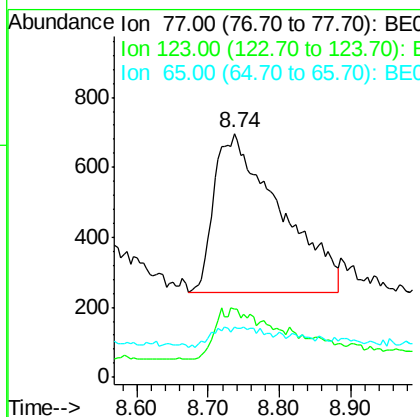
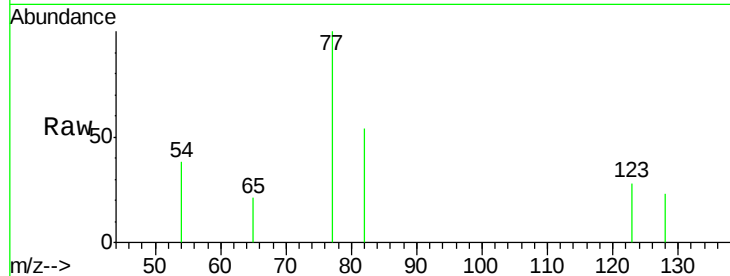
ClientSampleId :

SSTDIC0.5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 2922  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 5.5   | 26.9  | 40.3# |
| 65       | 3.8   | 9.4   | 14.2# |

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#10

Naphthalene

Concen: 0.18 ng

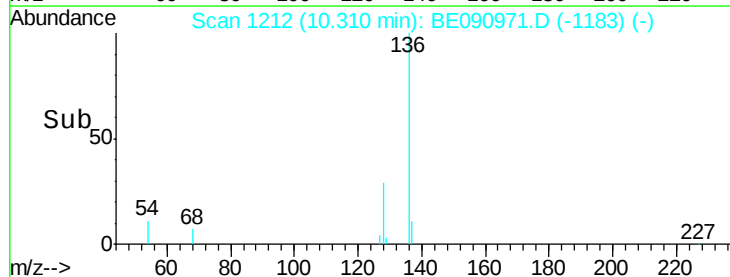
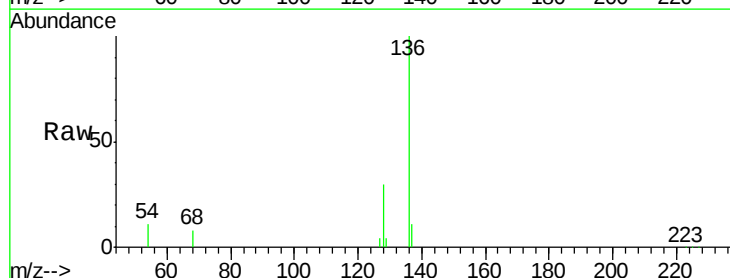
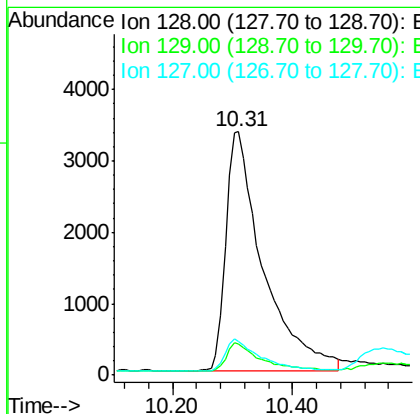
RT: 10.31 min Scan# 1212

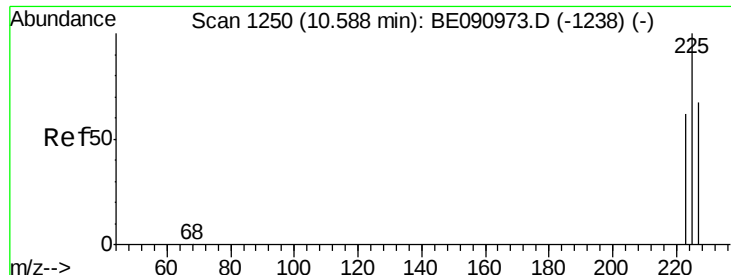
Delta R.T. 0.01 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 14456 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 12.9  | 9.3   | 13.9  |
| 127      | 13.7  | 10.7  | 16.1  |





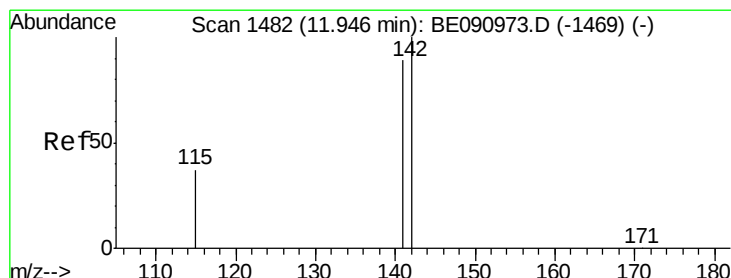
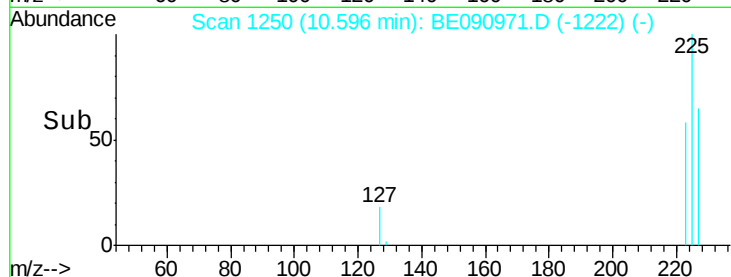
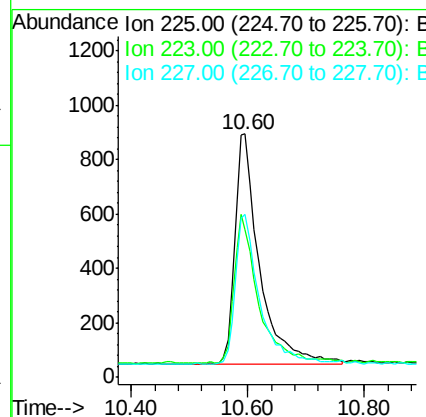
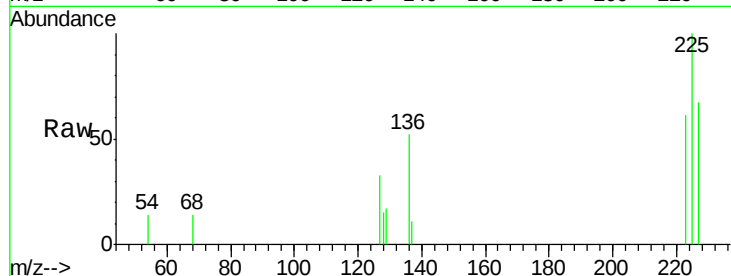
#11  
Hexachlorobutadiene  
Concen: 0.18 ng  
RT: 10.60 min Scan# 1250  
Delta R.T. 0.01 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 49.0  | 73.6  |
| 227     | 64.9  | 50.3  | 75.5  |

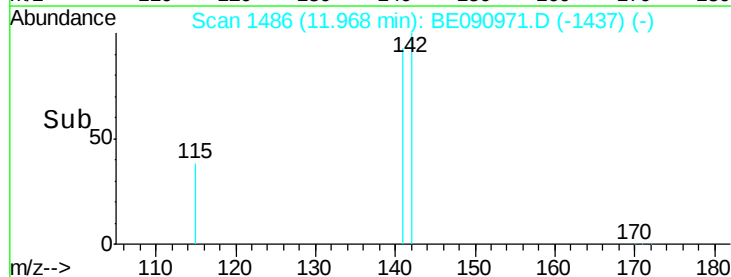
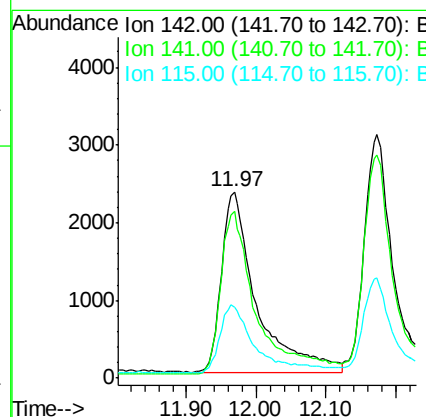
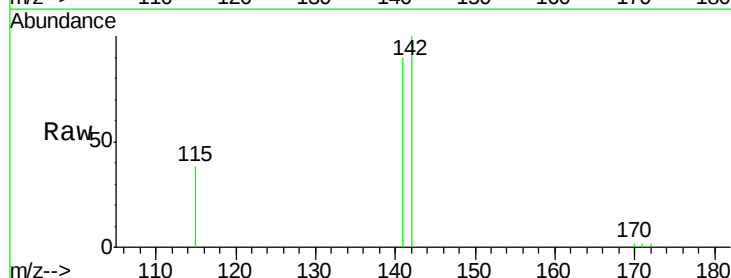
Manual Integrations  
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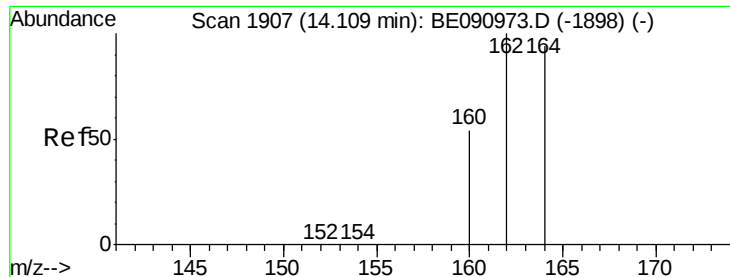
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#12  
2-Methylnaphthalene  
Concen: 0.18 ng  
RT: 11.97 min Scan# 1486  
Delta R.T. 0.02 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 71.4  | 107.0 |
| 115     | 38.2  | 30.3  | 45.5  |





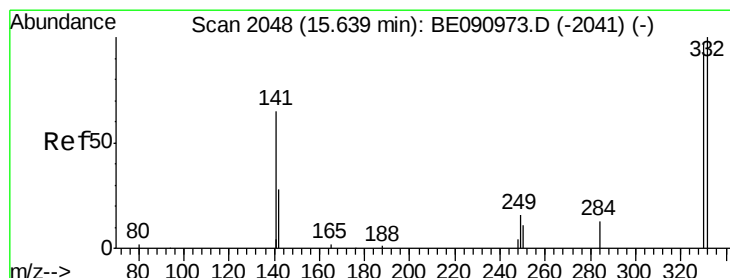
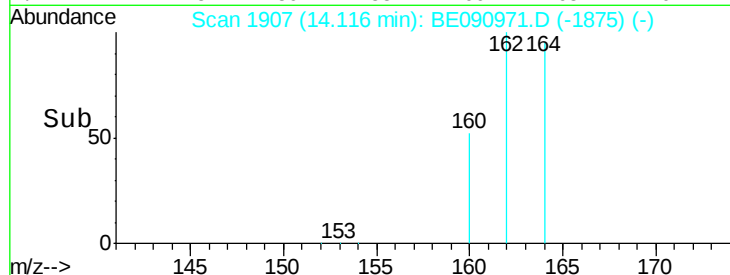
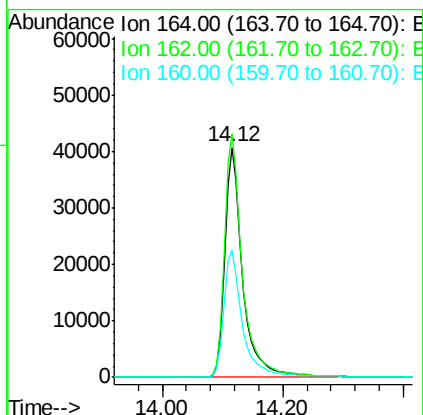
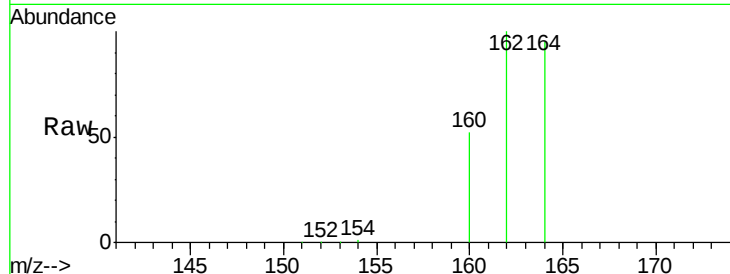
#13  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.12 min Scan# 1907  
Delta R.T. 0.01 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.8 | 85.3  | 127.9 |
| 160     | 55.5  | 46.2  | 69.2  |

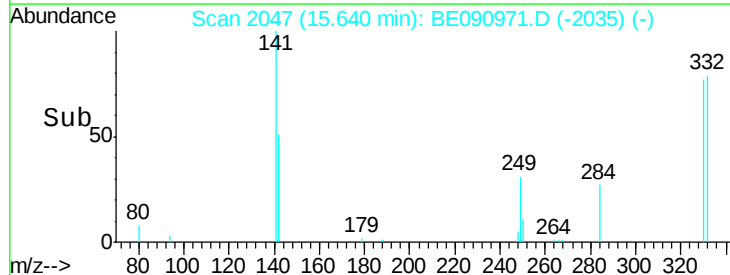
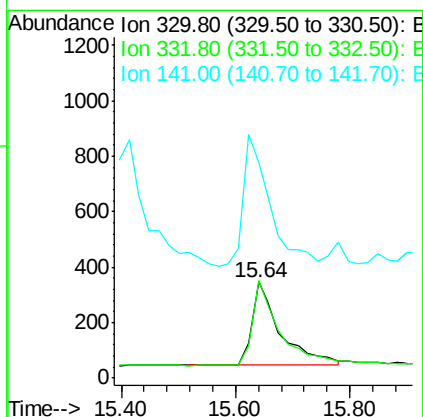
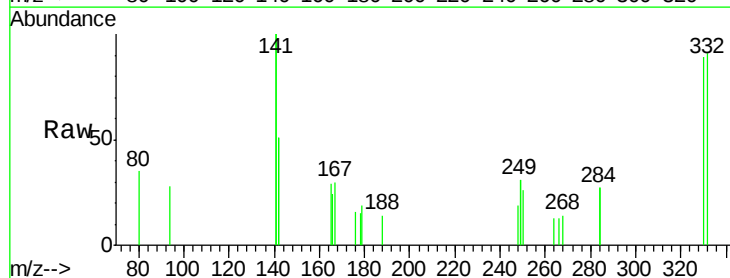
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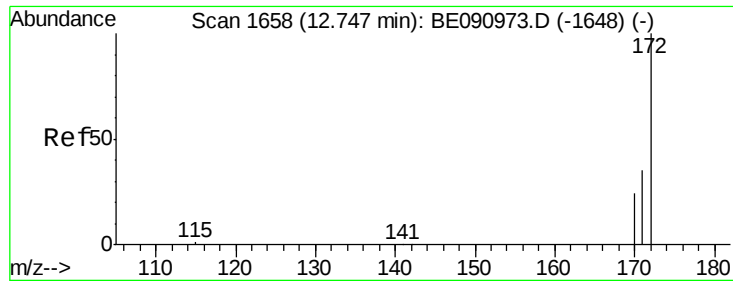
MMDadoda  
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#14  
2,4,6-Tribromophenol  
Concen: 0.21 ng  
RT: 15.64 min Scan# 2047  
Delta R.T. 0.00 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 79.1  | 118.7 |
| 141     | 145.0 | 125.4 | 188.0 |





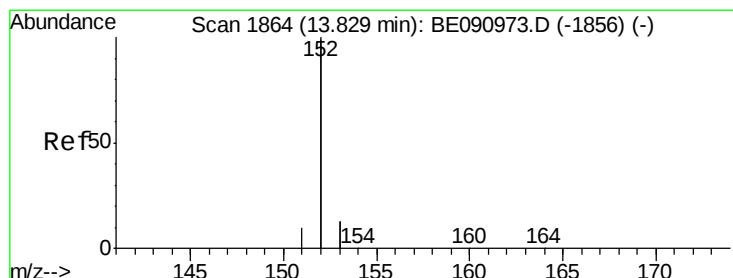
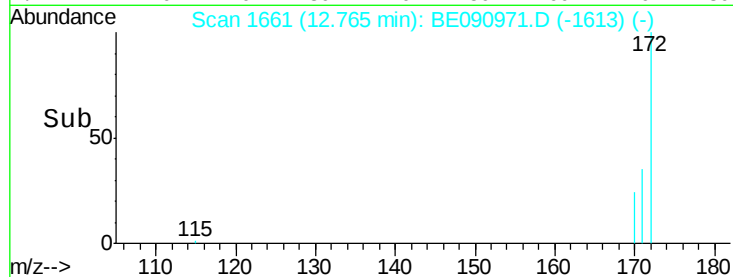
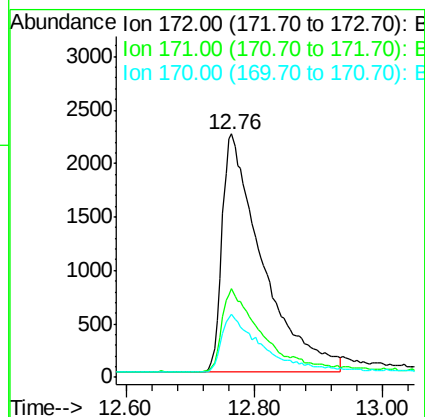
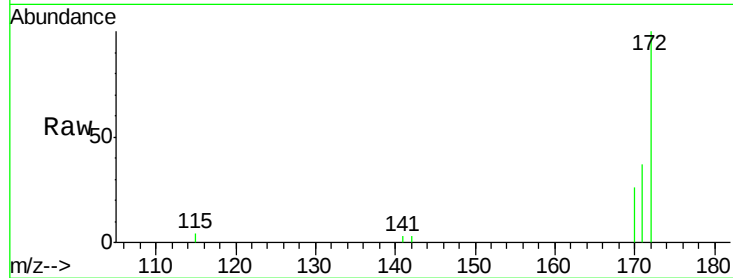
#15  
2-Fluorobiphenyl  
Concen: 0.18 ng  
RT: 12.76 min Scan# 1661  
Delta R.T. 0.02 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.5

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 9704 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 36.7  | 28.8  | 43.2 |
| 170       | 25.7  | 19.3  | 28.9 |

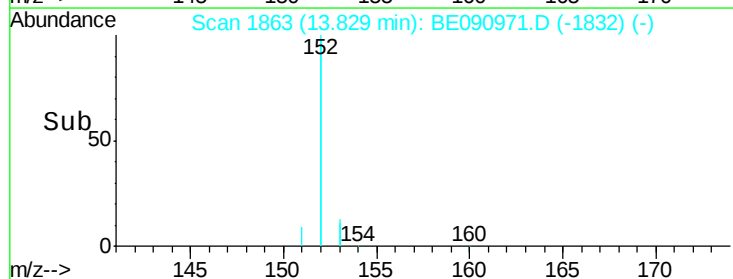
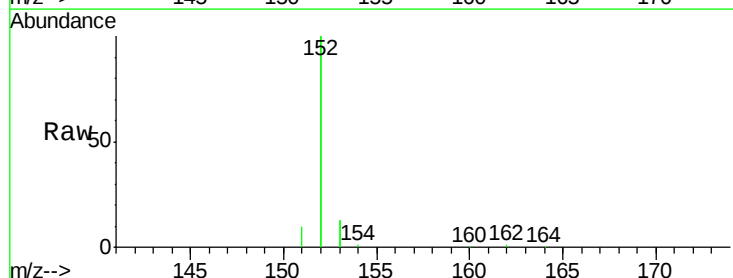
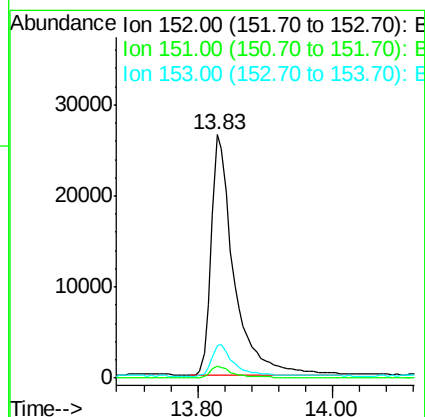
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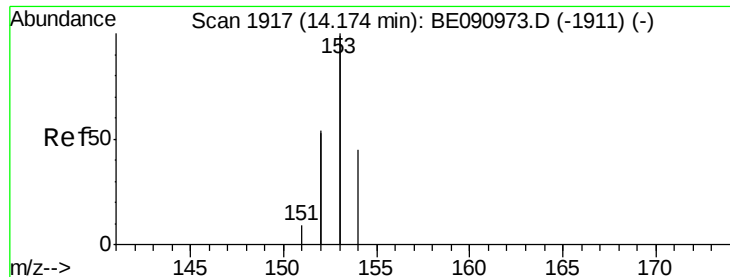
MMDadoda  
9/29/2015 4:50:18 PM



#16  
Acenaphthylene  
Concen: 0.19 ng  
RT: 13.83 min Scan# 1863  
Delta R.T. 0.00 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 61739 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 4.8   | 3.9   | 5.9   |
| 153       | 12.6  | 10.3  | 15.5  |





#17

Acenaphthene

Concen: 0.19 ng

RT: 14.18 min Scan# 1917

Delta R.T. 0.01 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

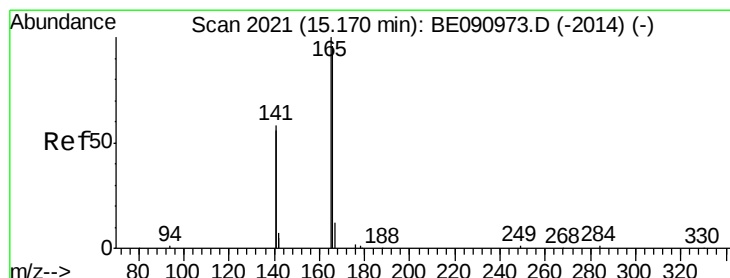
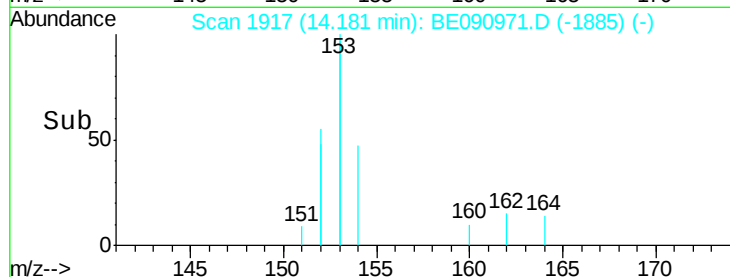
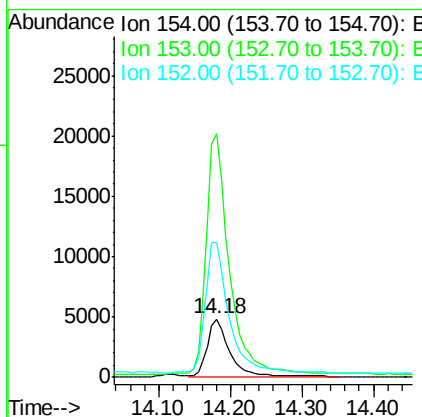
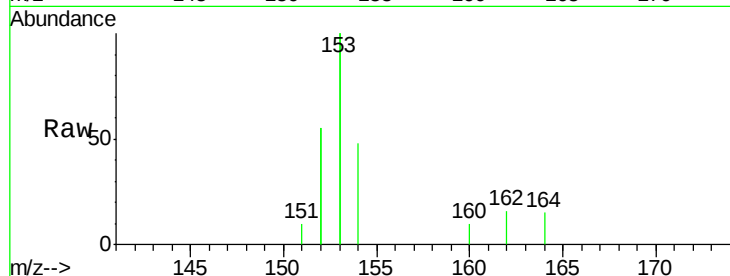
ClientSampleId :

SSTDIC0.5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 10175 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 442.0 | 352.0 | 528.0 |
| 152       | 245.2 | 200.0 | 300.0 |

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#18

Fluorene

Concen: 0.18 ng

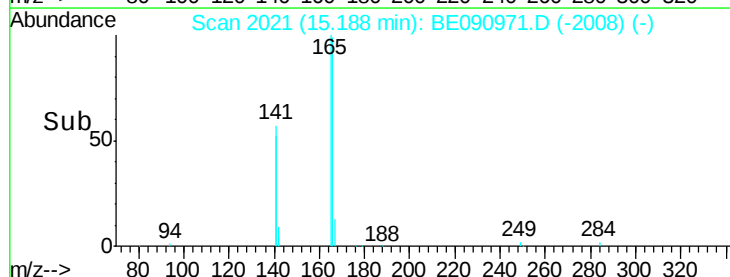
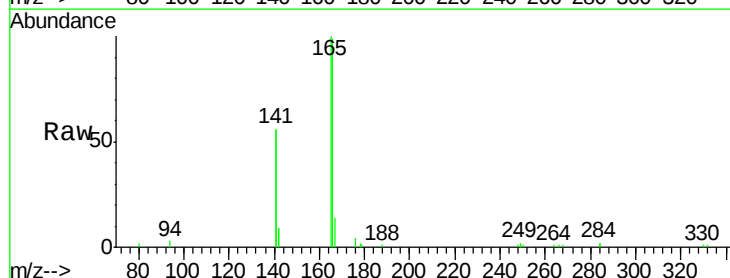
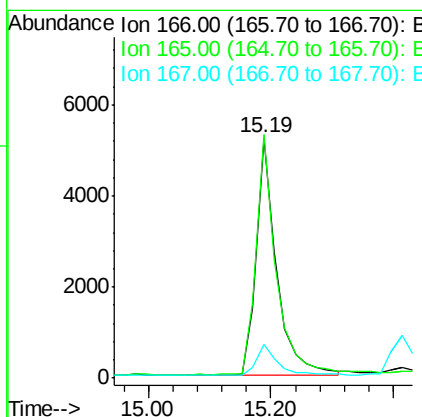
RT: 15.19 min Scan# 2021

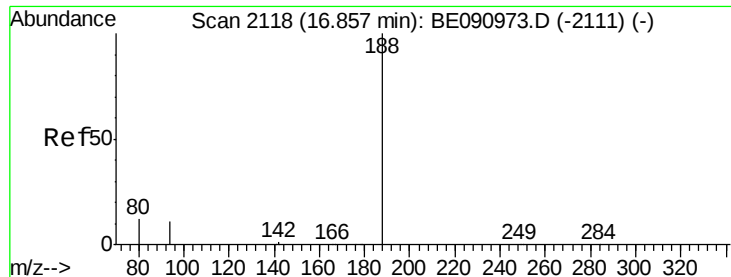
Delta R.T. 0.02 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 12023 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.5 | 80.8  | 121.2 |
| 167       | 13.6  | 10.9  | 16.3  |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.86 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

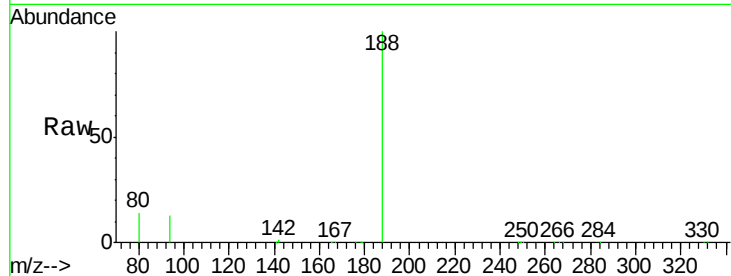
ClientSampleId :

SSTDIC0.5

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 201054 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 13.2  | 8.7   | 13.1#  |
| 80        | 14.2  | 9.4   | 14.0#  |

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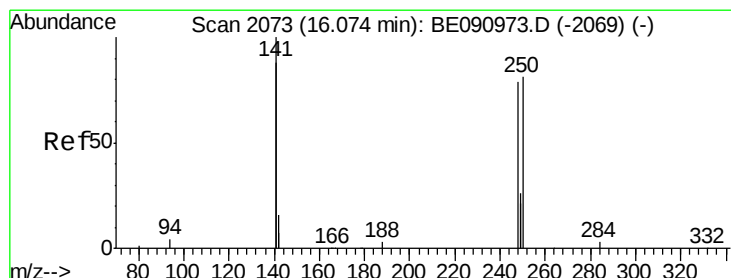
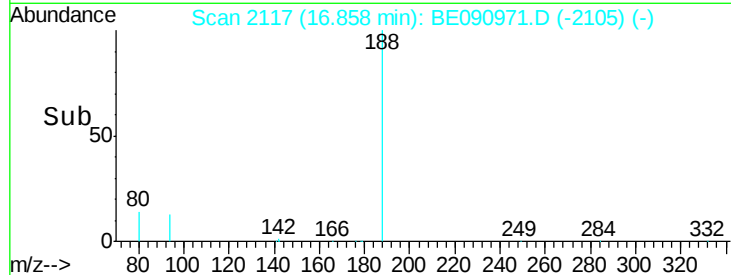
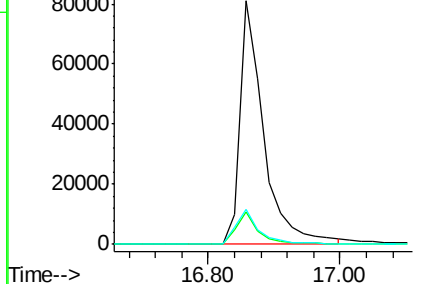
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.18 ng

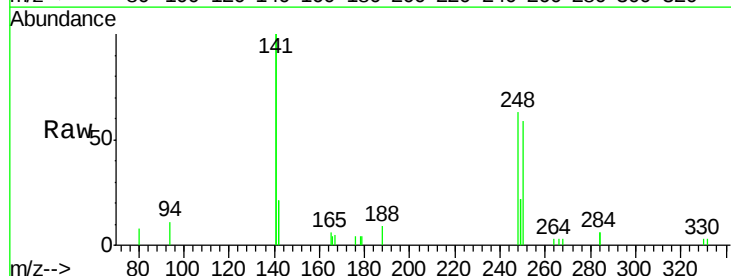
RT: 16.07 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

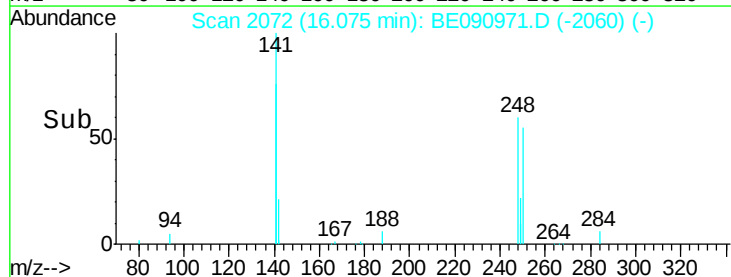
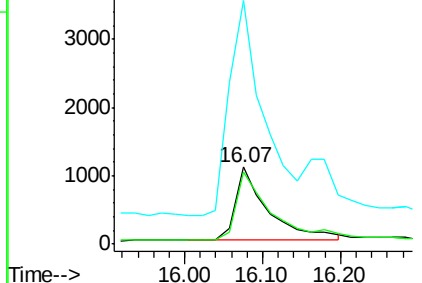
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 3220  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 99.0  | 80.5  | 120.7 |
| 141       | 304.6 | 261.9 | 392.9 |

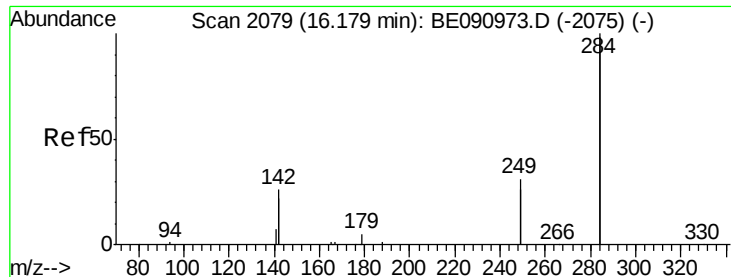


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.19 ng

RT: 16.18 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

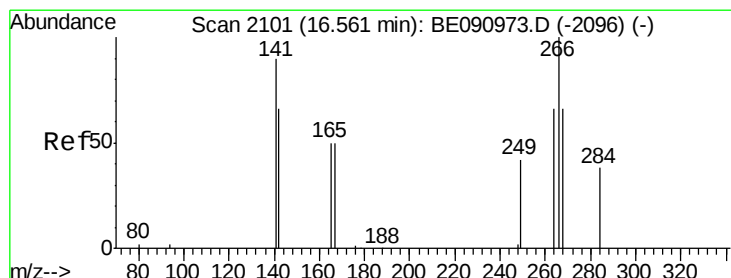
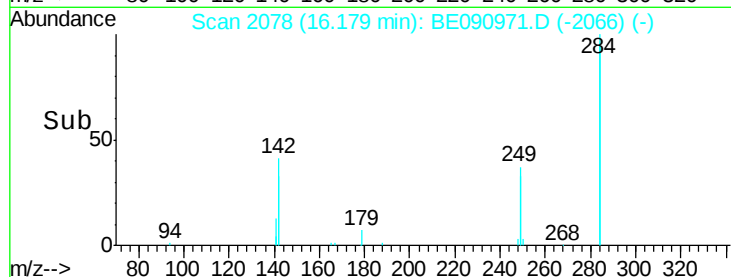
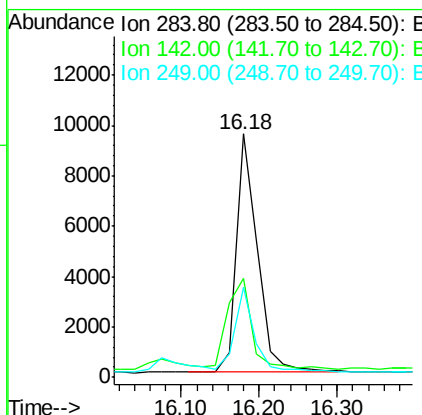
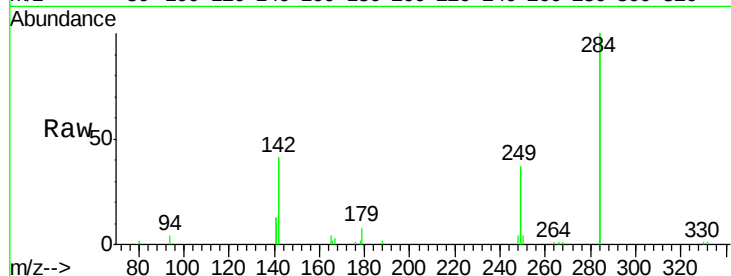
ClientSampleId :

SSTDICC0.5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 17839 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 43.4  | 32.2  | 48.2  |
| 249       | 32.5  | 25.4  | 38.2  |

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#22

Pentachlorophenol

Concen: 0.21 ng m

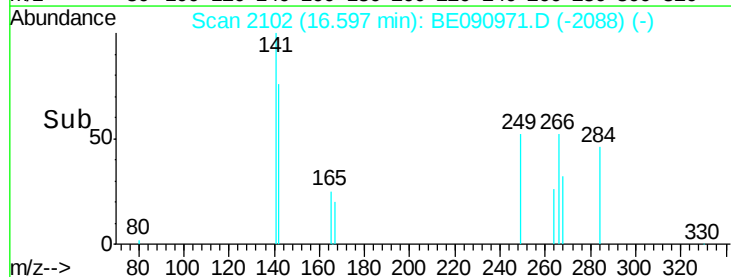
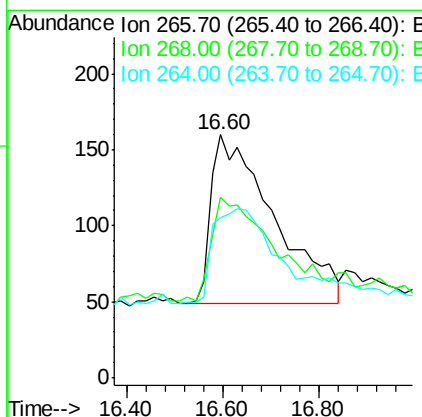
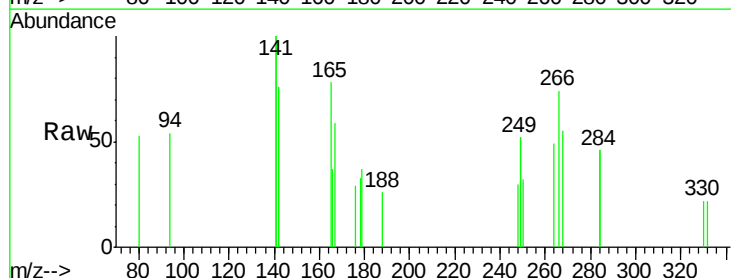
RT: 16.60 min Scan# 2102

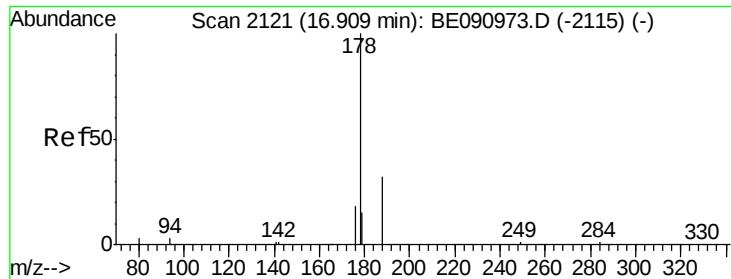
Delta R.T. 0.04 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1003 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 268       | 74.4  | 58.2  | 87.2 |
| 264       | 65.6  | 56.2  | 84.4 |





#23

Phenanthrene

Concen: 0.19 ng

RT: 16.91 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

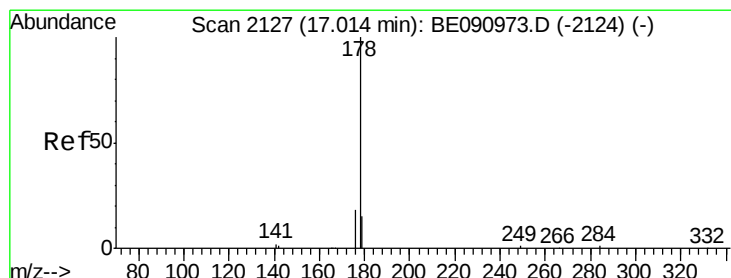
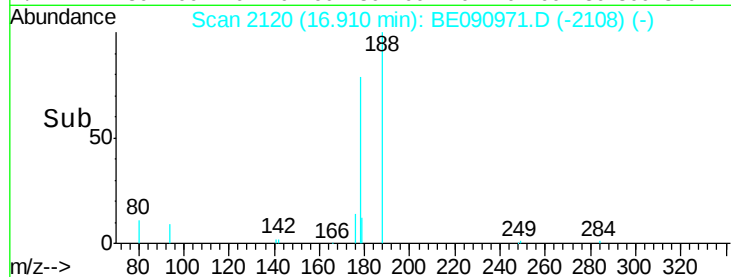
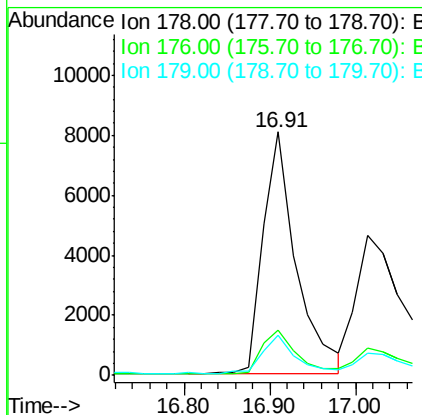
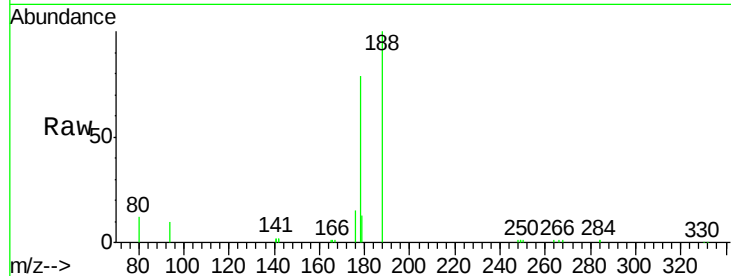
ClientSampleId :

SSTDIC0.5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 21721 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.1  | 15.3  | 22.9  |
| 179       | 15.9  | 12.6  | 18.8  |

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#24

Anthracene

Concen: 0.20 ng m

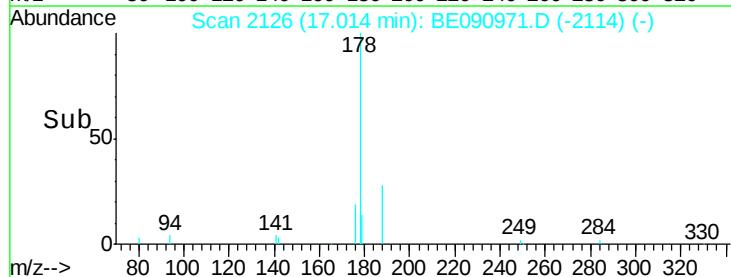
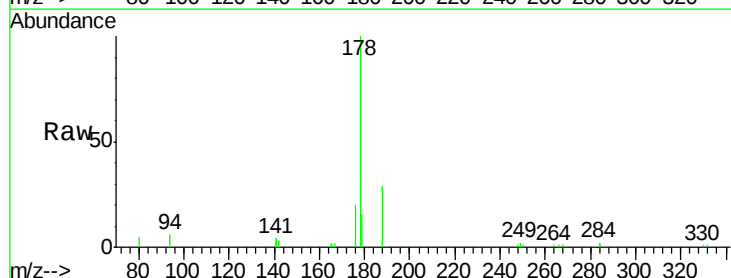
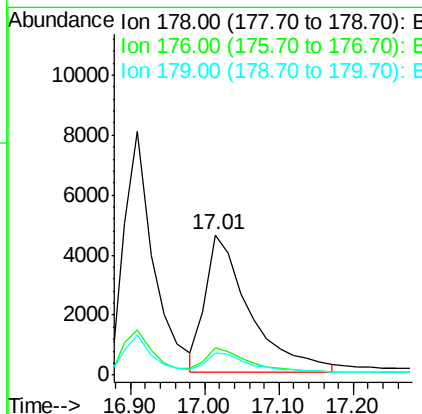
RT: 17.01 min Scan# 2126

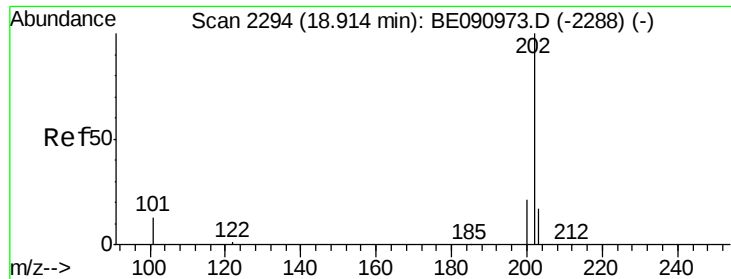
Delta R.T. 0.00 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 19411 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 15.5  | 14.6  | 21.8  |
| 179       | 12.4  | 11.8  | 17.6  |





#25

Fluoranthene

Concen: 0.20 ng

RT: 18.93 min Scan# 2295

Delta R.T. 0.02 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

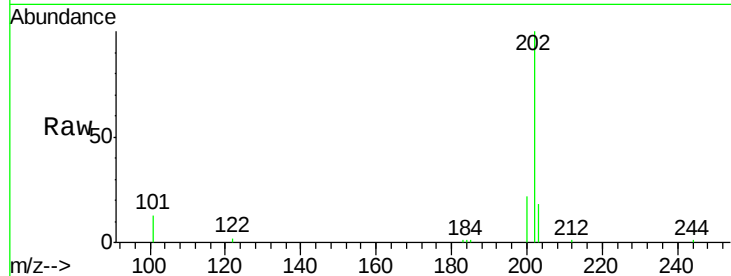
ClientSampleId :

SSTDIC0.5

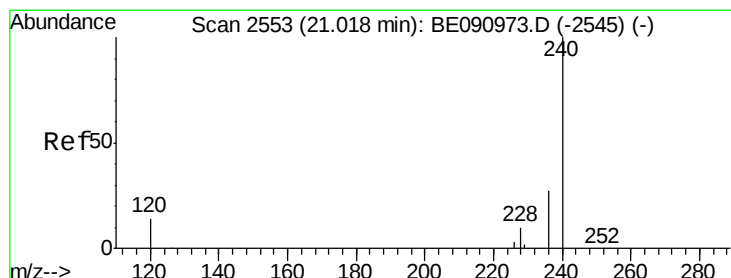
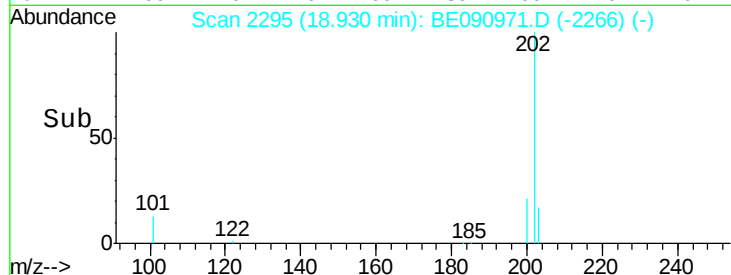
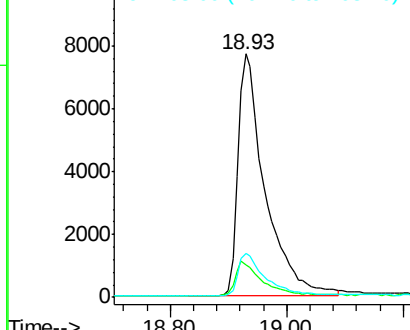
|     |       |      |       |       |
|-----|-------|------|-------|-------|
| Tgt | Ion   | 202  | Resp: | 24739 |
| Ion | Ratio |      | Lower | Upper |
| 202 | 100   |      |       |       |
| 101 | 14.0  | 11.0 | 16.6  |       |
| 203 | 17.3  | 13.9 | 20.9  |       |

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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

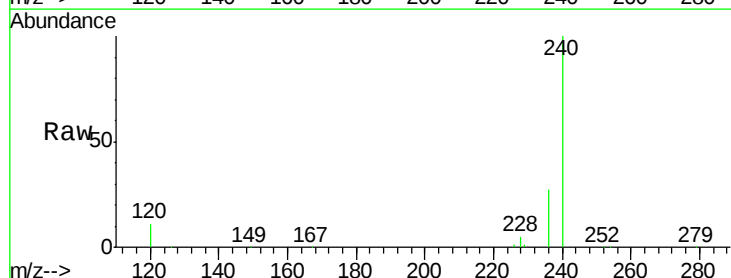
RT: 21.03 min Scan# 2552

Delta R.T. 0.01 min

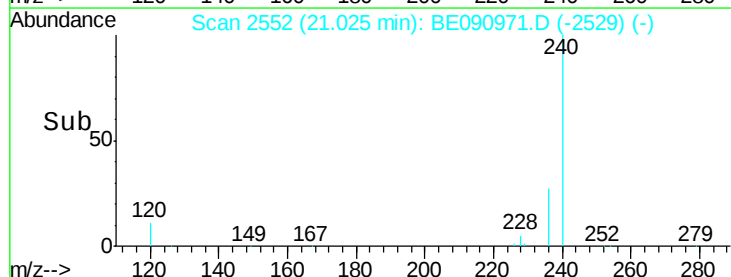
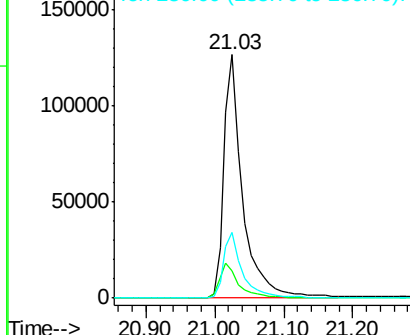
Lab File: BE090971.D

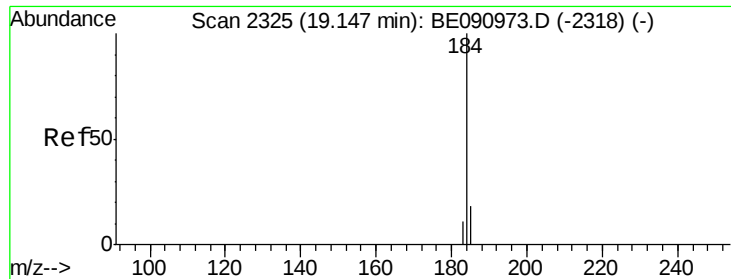
Acq: 28 Sep 2015 17:43

|     |       |      |       |        |
|-----|-------|------|-------|--------|
| Tgt | Ion   | 240  | Resp: | 241765 |
| Ion | Ratio |      | Lower | Upper  |
| 240 | 100   |      |       |        |
| 120 | 11.4  | 11.0 | 16.4  |        |
| 236 | 26.7  | 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: 0.18 ng m

RT: 19.19 min Scan# 2330

Delta R.T. 0.05 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

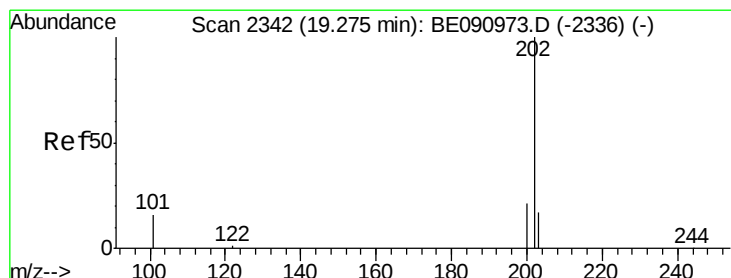
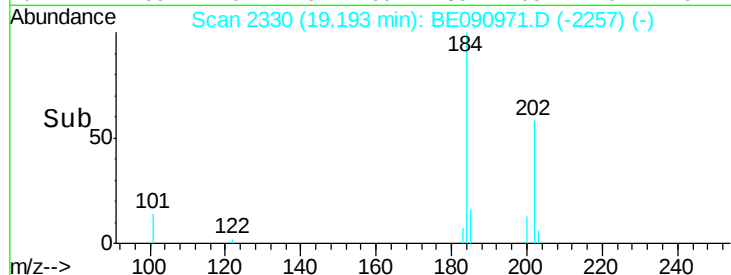
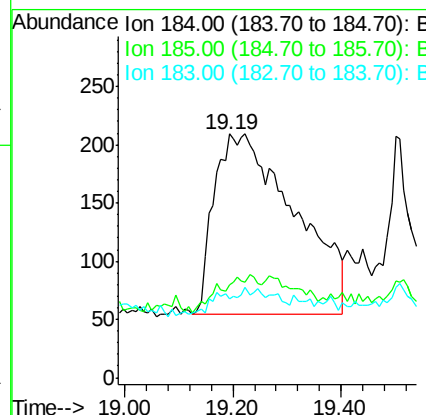
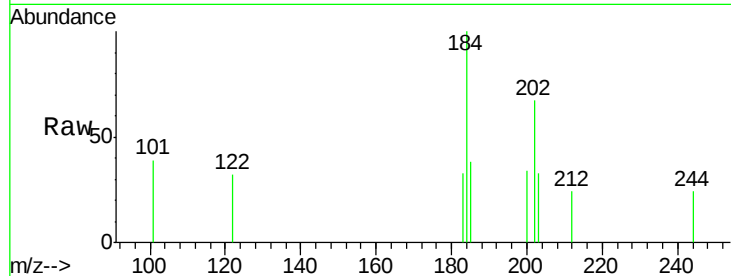
ClientSampleId :

SSTDICC0.5

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 1602  |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 38.3  | 22.3  | 33.5# |
| 183       | 32.5  | 16.4  | 24.6# |

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#28

Pyrene

Concen: 0.20 ng

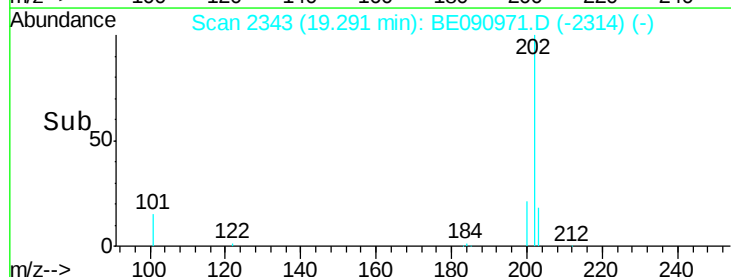
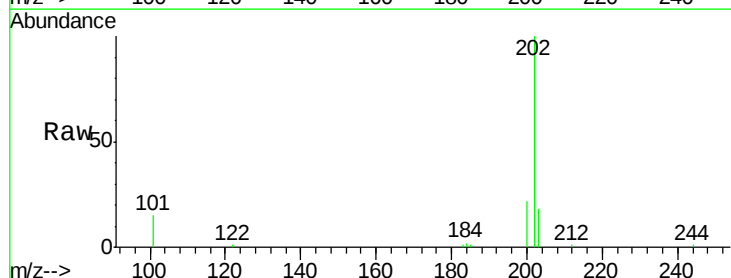
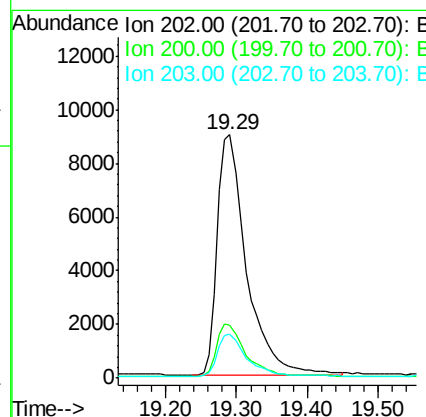
RT: 19.29 min Scan# 2343

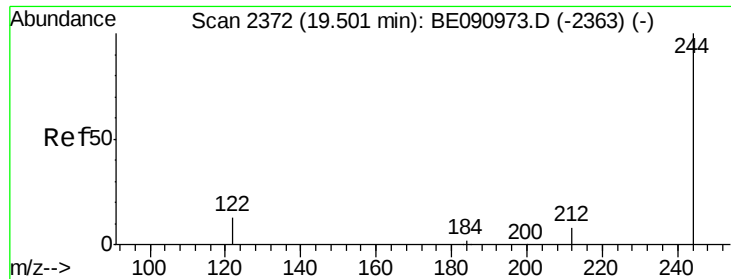
Delta R.T. 0.02 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 25881 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.5  | 16.8  | 25.2  |
| 203       | 17.3  | 14.0  | 21.0  |





#29

Terphenyl-d14

Concen: 0.20 ng

RT: 19.51 min Scan# 2372

Delta R.T. 0.01 min

Lab File: BE090971.D

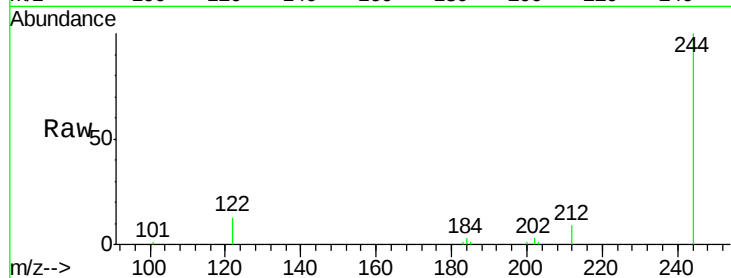
Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

ClientSampleId :

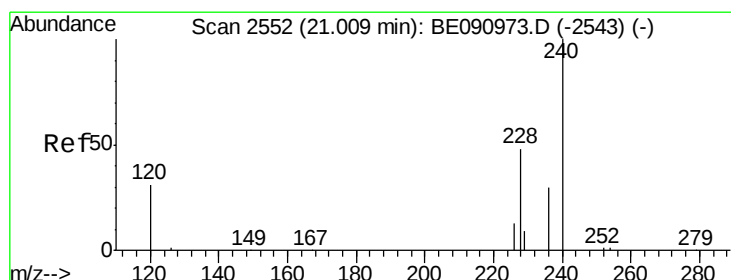
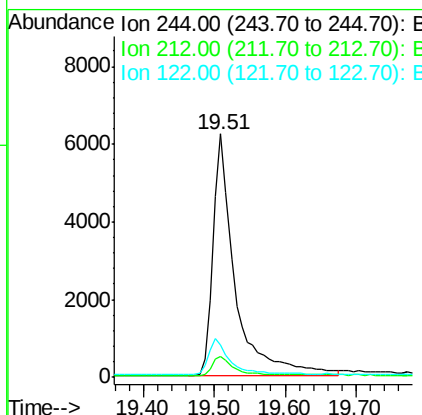
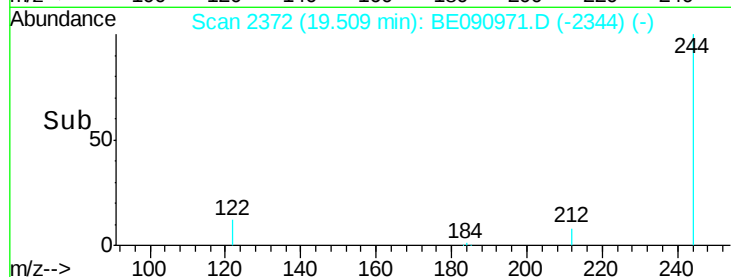
SSTDIC0.5



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 13507 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 8.6   | 6.9   | 10.3  |
| 122       | 13.5  | 11.0  | 16.4  |

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#30

Benzo(a)anthracene

Concen: 0.17 ng

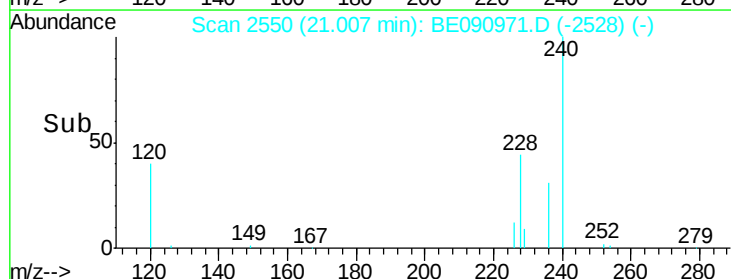
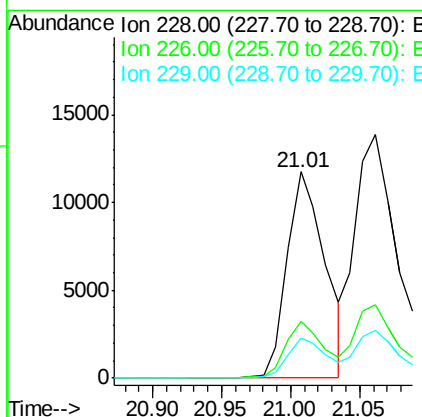
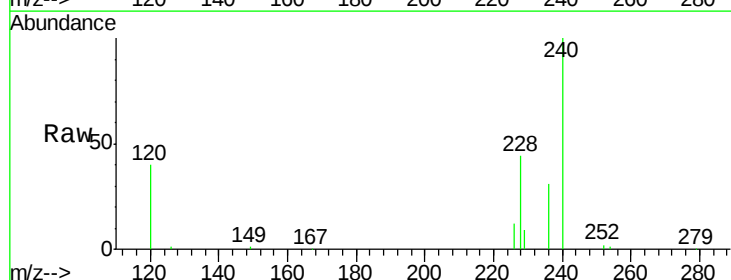
RT: 21.01 min Scan# 2550

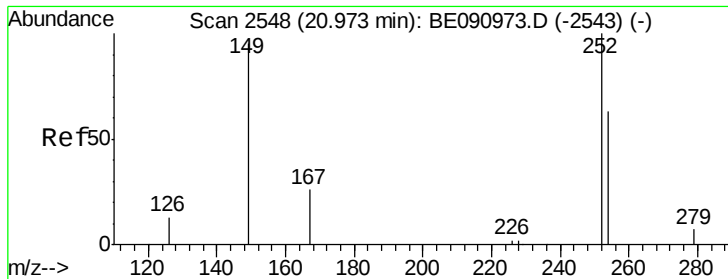
Delta R.T. -0.00 min

Lab File: BE090971.D

Acq: 28 Sep 2015 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 22372 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 27.6  | 21.0  | 31.4  |
| 229       | 19.6  | 15.7  | 23.5  |





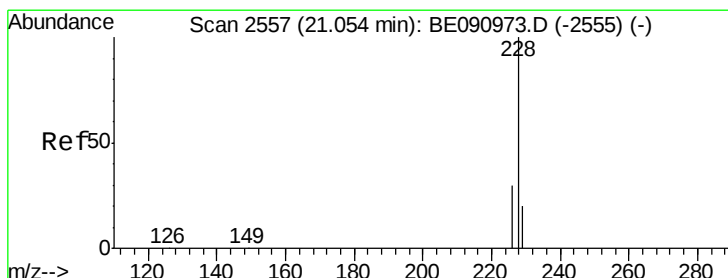
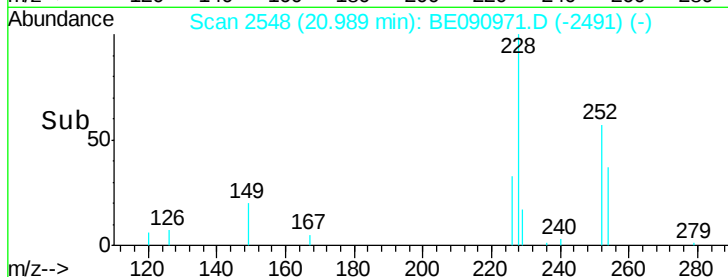
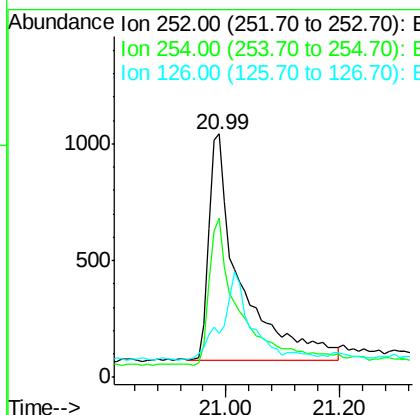
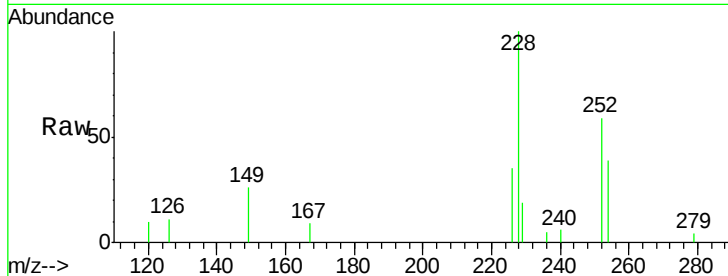
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.21 ng  
 RT: 20.99 min Scan# 2548  
 Delta R.T. 0.02 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.6  | 51.1  | 76.7  |
| 126     | 17.9  | 12.6  | 18.8  |

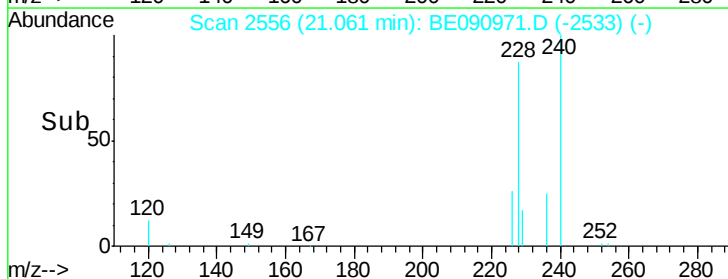
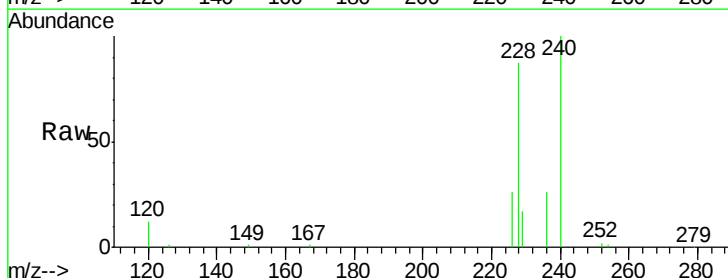
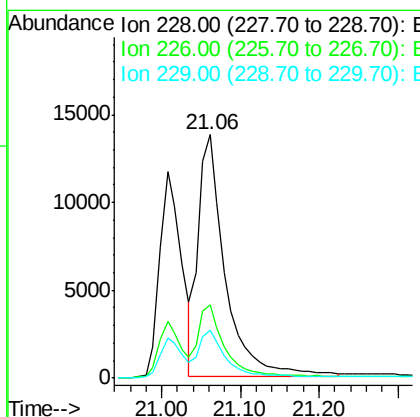
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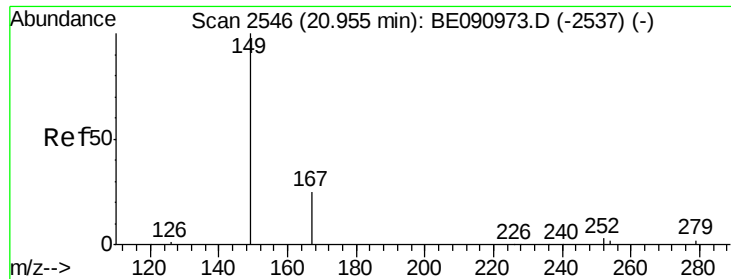
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#32  
 Chrysene  
 Concen: 0.22 ng m  
 RT: 21.06 min Scan# 2556  
 Delta R.T. 0.01 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 24.0  | 36.0  |
| 229     | 19.5  | 15.9  | 23.9  |





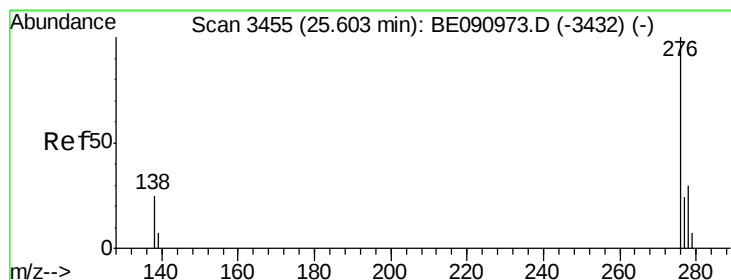
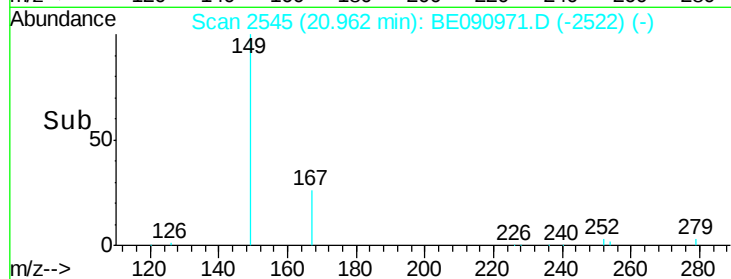
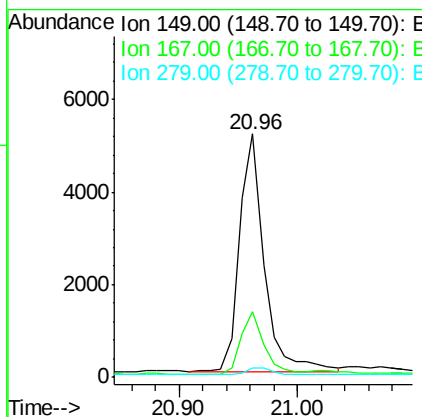
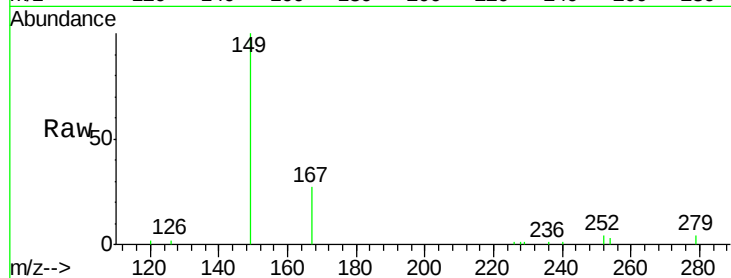
#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.21 ng  
 RT: 20.96 min Scan# 2545  
 Delta R.T. 0.01 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 7464 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 24.6  | 19.5  | 29.3 |
| 279       | 3.2   | 2.3   | 3.5  |

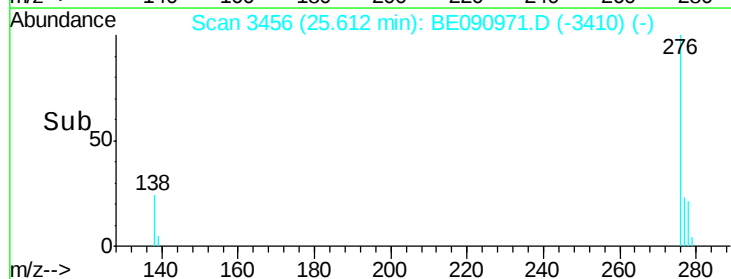
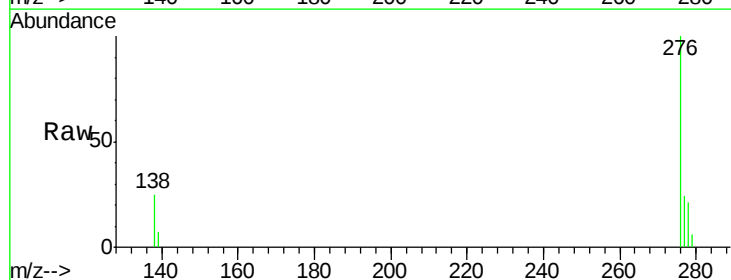
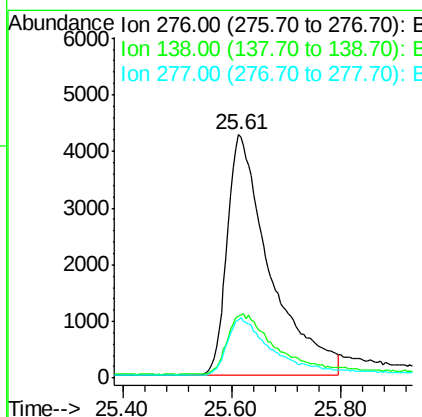
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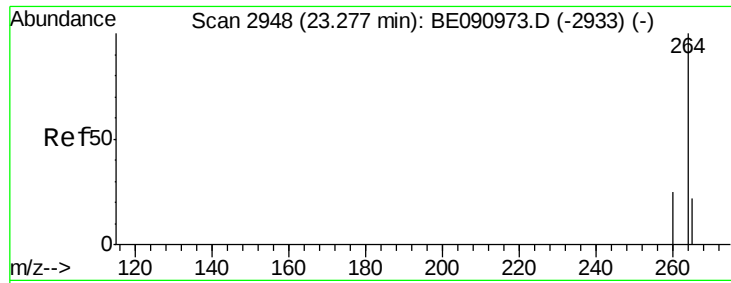
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#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.18 ng  
 RT: 25.61 min Scan# 3456  
 Delta R.T. 0.01 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 23144 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 28.5  | 23.4  | 35.2  |
| 277       | 24.8  | 19.8  | 29.8  |





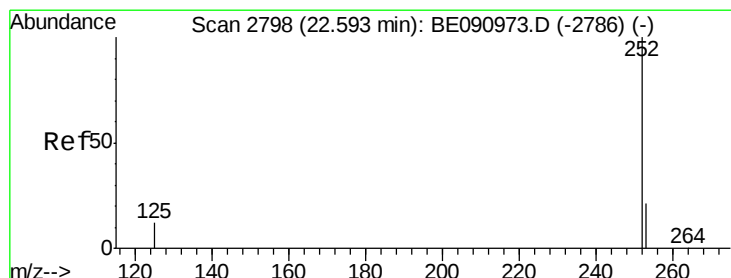
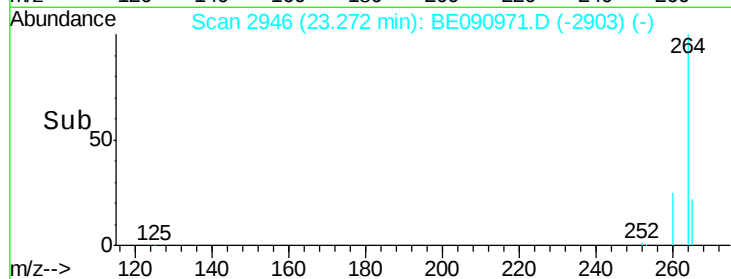
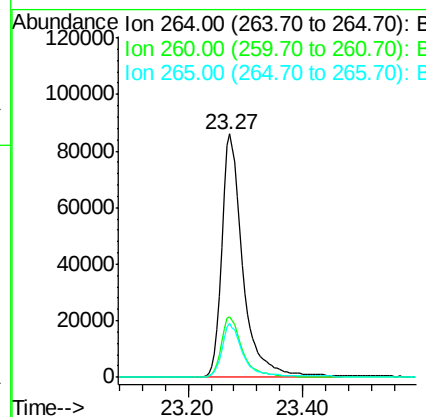
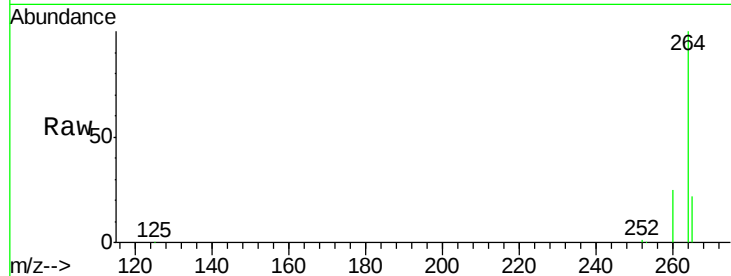
#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.27 min Scan# 2946  
 Delta R.T. -0.00 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 223792 |       |       |
| 260     | 25.0  | 20.0   | 30.0  |       |
| 265     | 22.1  | 17.5   | 26.3  |       |

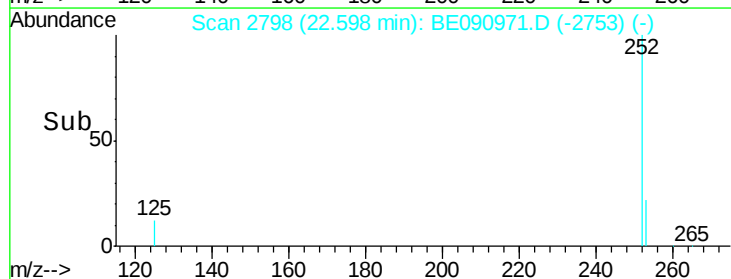
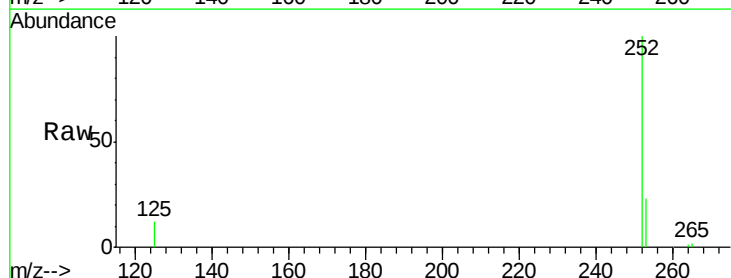
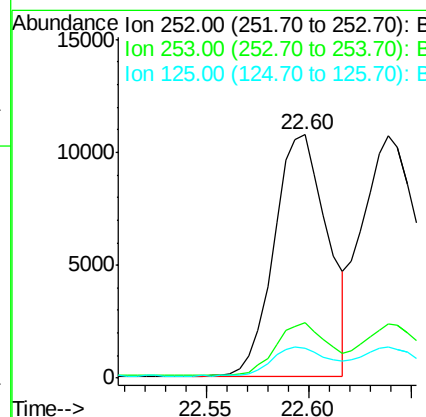
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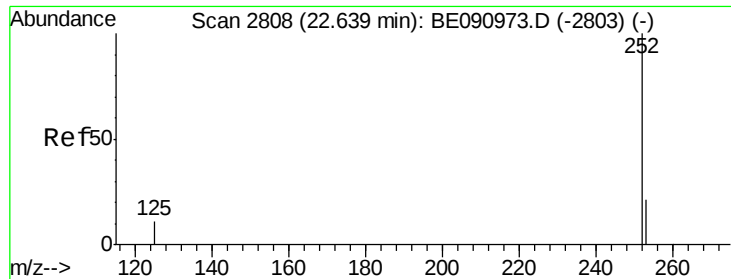
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#36  
 Benzo(b)fluoranthene  
 Concen: 0.17 ng  
 RT: 22.60 min Scan# 2798  
 Delta R.T. 0.00 min  
 Lab File: BE090971.D  
 Acq: 28 Sep 2015 17:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 19364 |       |       |
| 253     | 22.8  | 17.4  | 26.0  |       |
| 125     | 12.4  | 10.2  | 15.2  |       |





#37

Benzo(k)fluoranthene

Concen: 0.21 ng m

RT: 22.64 min Scan# 2807

Delta R.T. 0.00 min

Lab File: BE090971.D

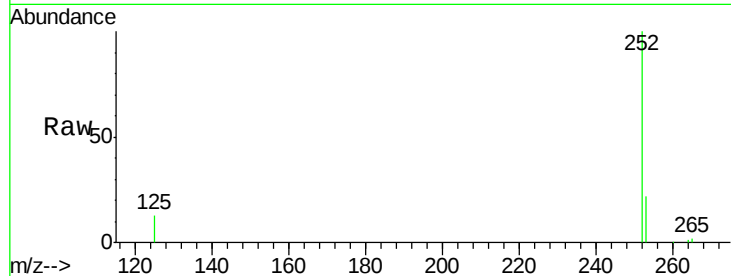
Acq: 28 Sep 2015 17:43

Instrument :

BNA\_E

ClientSampleId :

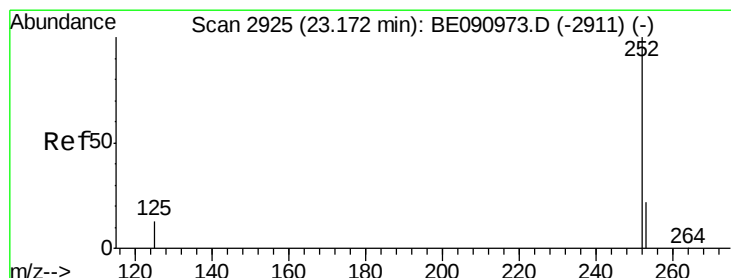
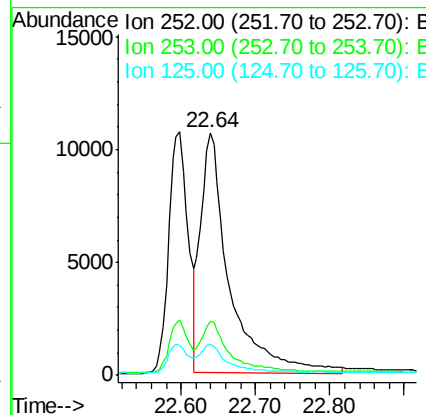
SSTDICC0.5



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.6  | 26.4  |
| 125     | 12.8  | 9.9   | 14.9  |

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#38

Benzo(a)pyrene

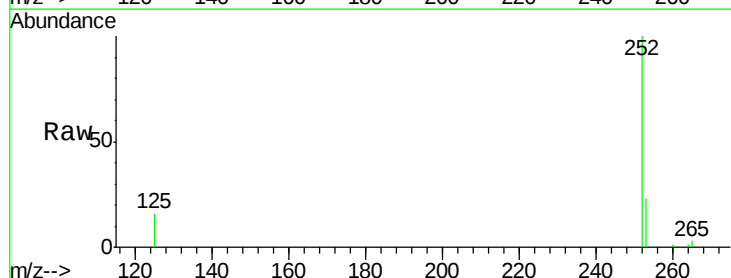
Concen: 0.18 ng

RT: 23.18 min Scan# 2925

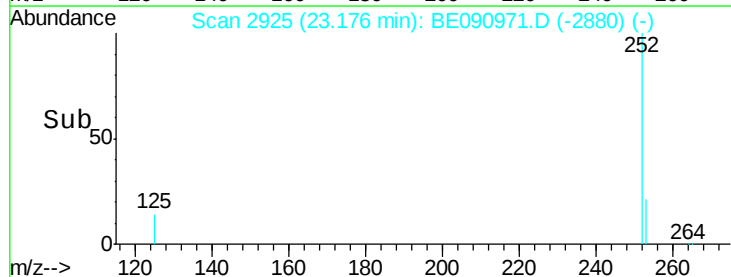
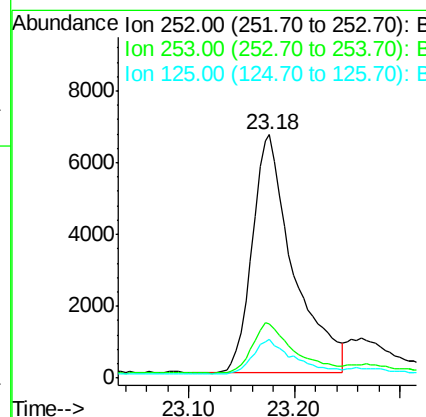
Delta R.T. 0.00 min

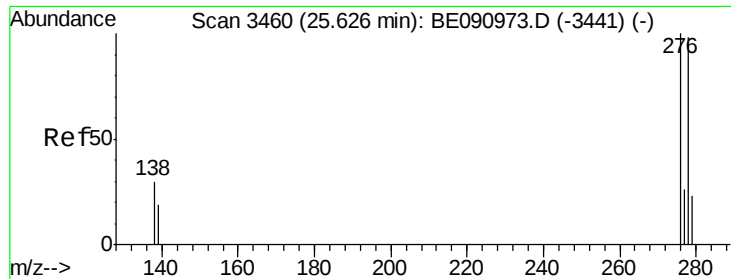
Lab File: BE090971.D

Acq: 28 Sep 2015 17:43



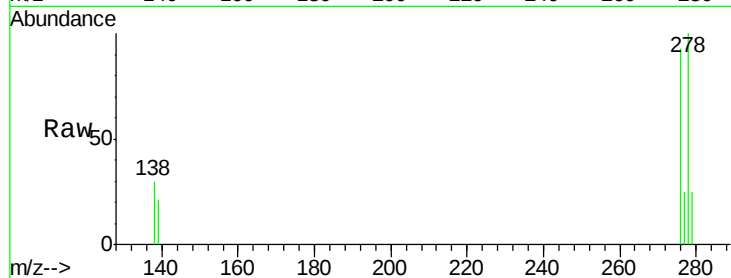
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.1  | 27.1  |
| 125     | 15.7  | 11.0  | 16.4  |





#39  
Dibenzo(a,h)anthracene  
Concen: 0.19 ng m  
RT: 25.65 min Scan# 3465  
Delta R.T. 0.03 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43

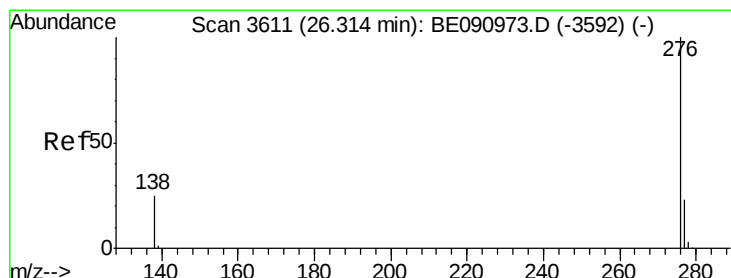
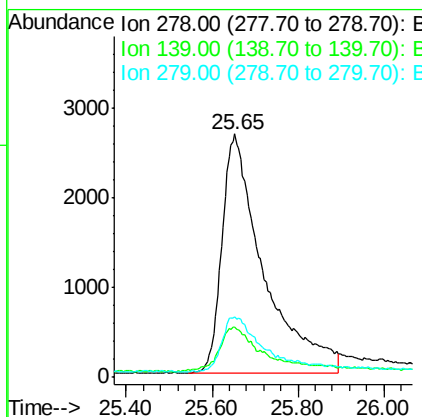
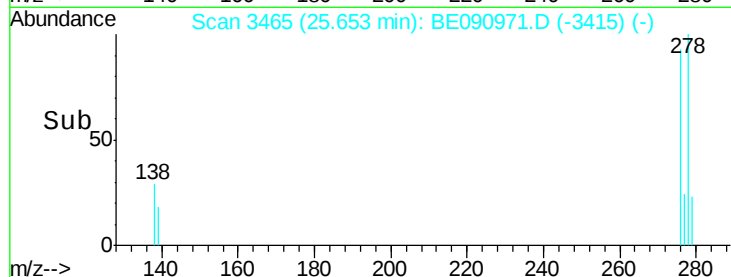
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.5



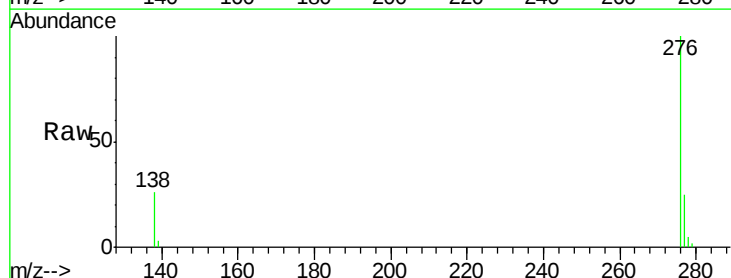
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.7  | 16.0  | 24.0  |
| 279     | 25.0  | 19.4  | 29.2  |

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#40  
Benzo(g,h,i)perylene  
Concen: 0.19 ng  
RT: 26.32 min Scan# 3612  
Delta R.T. 0.01 min  
Lab File: BE090971.D  
Acq: 28 Sep 2015 17:43



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.5  | 18.6  | 28.0  |
| 138     | 26.5  | 20.4  | 30.6  |

