

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\  
 Data File : BE091855.D  
 Acq On : 25 May 2016 12:29  
 Operator : UM/SJ  
 Sample : SSTDICC10  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC10

Manual Integrations  
 APPROVED

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 5/26/2016 6:43:44 PM

Quant Time: May 25 19:45:29 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 18:07:24 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 24198    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8         | 10.55 | 136  | 127434   | 5.00 | ng    | 0.00     |
| 15) Acenaphthene-d10      | 14.40 | 164  | 86326    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10      | 17.14 | 188  | 261970   | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12          | 21.29 | 240  | 303819   | 5.00 | ng    | 0.00     |
| 40) Perylene-d12          | 23.71 | 264  | 260164   | 5.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 4) 2-Fluorophenol           | 5.37  | 112 | 69927  | 10.49 | ng | -0.02 |
| 5) Phenol-d6                | 6.95  | 99  | 98411  | 11.04 | ng | 0.00  |
| 9) Nitrobenzene-d5          | 8.91  | 82  | 107490 | 10.66 | ng | -0.02 |
| 16) 2,4,6-Tribromophenol    | 15.87 | 330 | 38190  | 10.60 | ng | -0.02 |
| 17) 2-Fluorobiphenyl        | 13.01 | 172 | 227605 | 9.60  | ng | -0.02 |
| 34) Terphenyl-d14           | 19.74 | 244 | 400330 | 9.61  | ng | 0.00  |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 30999   | 9.82  | ng | 98     |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 46678   | 11.05 | ng | 91     |
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93  | 77716   | 10.56 | ng | 99     |
| 7) n-Nitroso-di-n-propylamine  | 8.57  | 70  | 75482   | 11.11 | ng | # 21   |
| 10) Nitrobenzene               | 8.96  | 77  | 103639  | 10.81 | ng | # 100  |
| 11) bis(2-Chloroethoxy)methane | 9.96  | 93  | 126667  | 11.37 | ng | # 13   |
| 12) Naphthalene                | 10.61 | 128 | 251867  | 9.84  | ng | 97     |
| 13) Hexachlorobutadiene        | 10.90 | 225 | 38094   | 9.61  | ng | 99     |
| 14) 2-Methylnaphthalene        | 12.22 | 142 | 176926  | 10.19 | ng | # 88   |
| 18) Acenaphthylene             | 14.10 | 152 | 381064  | 9.93  | ng | # 91   |
| 20) Acenaphthene               | 14.44 | 154 | 204115  | 9.68  | ng | 98     |
| 21) 2,4-Dinitrotoluene         | 14.76 | 165 | 85535   | 12.54 | ng | # 1    |
| 22) Fluorene                   | 15.44 | 166 | 271700  | 9.78  | ng | 100    |
| 25) 4-Bromophenyl-phenylether  | 16.31 | 248 | 84323   | 9.83  | ng | 98     |
| 26) Hexachlorobenzene          | 16.44 | 284 | 77768   | 9.50  | ng | 99     |
| 29) Anthracene                 | 17.26 | 178 | 474500  | 9.96  | ng | 99     |
| 32) Benzidine                  | 19.36 | 184 | 282236  | 11.82 | ng | # 95   |
| 33) Pyrene                     | 19.53 | 202 | 571227  | 9.81  | ng | 99     |
| 35) Benzo(a)anthracene         | 21.27 | 228 | 684281m | 6.92  | ng |        |
| 36) 3,3'-Dichlorobenzidine     | 21.22 | 252 | 389729  | 9.83  | ng | # 92   |
| 38) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 266592  | 10.31 | ng | # 100  |
| 39) Indeno(1,2,3-cd)pyrene     | 26.26 | 276 | 677466  | 9.77  | ng | 100    |
| 41) Benzo(b)fluoranthene       | 22.97 | 252 | 647823  | 10.27 | ng | # 96   |
| 42) Benzo(k)fluoranthene       | 23.02 | 252 | 560470  | 9.23  | ng | 97     |
| 43) Benzo(a)pyrene             | 23.60 | 252 | 589062  | 9.95  | ng | 95     |
| 44) Dibenzo(a,h)anthracene     | 26.28 | 278 | 559721  | 9.87  | ng | 98     |
| 45) Benzo(g,h,i)perylene       | 27.05 | 276 | 561043  | 9.80  | ng | 98     |

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

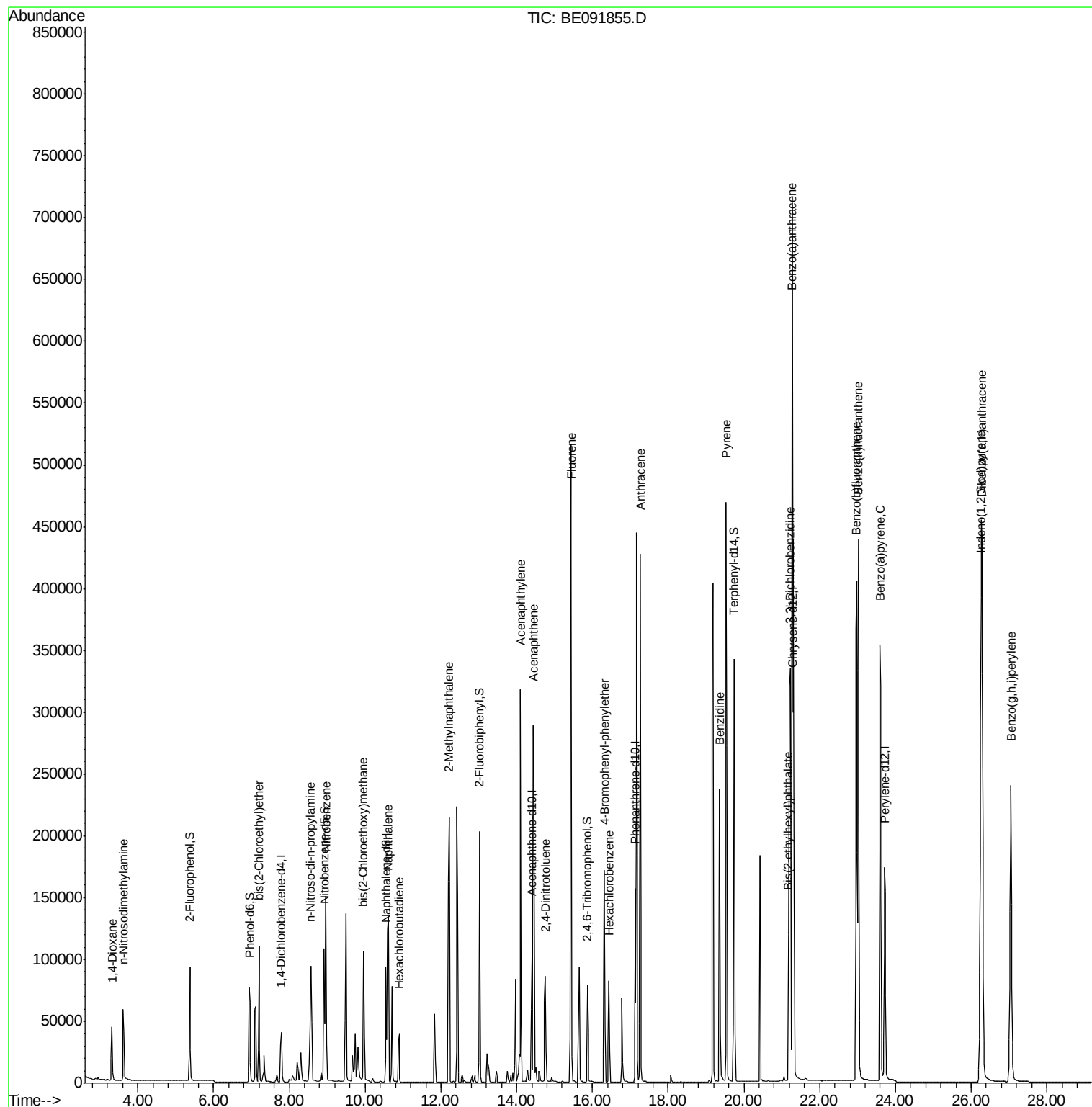
Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\  
Data File : BE091855.D  
Acq On : 25 May 2016 12:29  
Operator : UM/SJ  
Sample : SSTDIC10  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

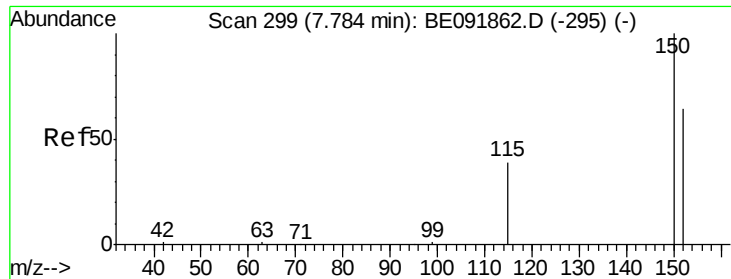
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

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Quant Time: May 25 19:45:29 2016  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 25 18:07:24 2016  
Response via : Initial Calibration





#1

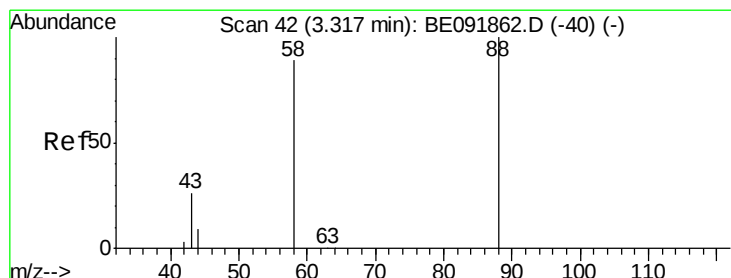
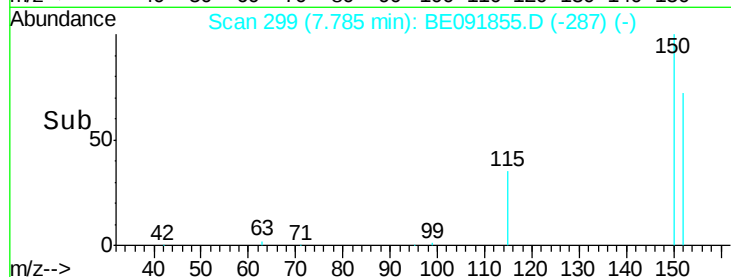
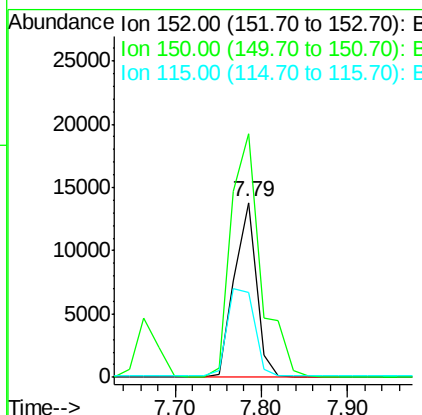
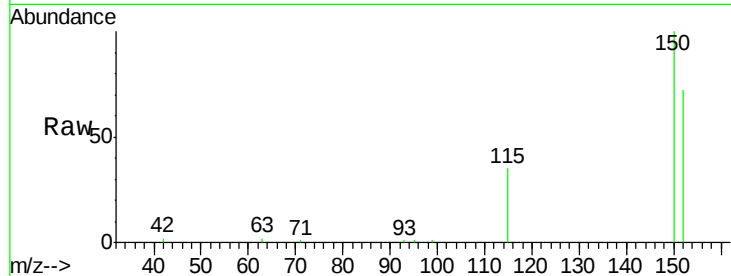
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.79 min Scan# 299  
Delta R.T. 0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 139.5 | 123.9 | 185.9 |
| 115     | 48.8  | 48.3  | 72.5  |

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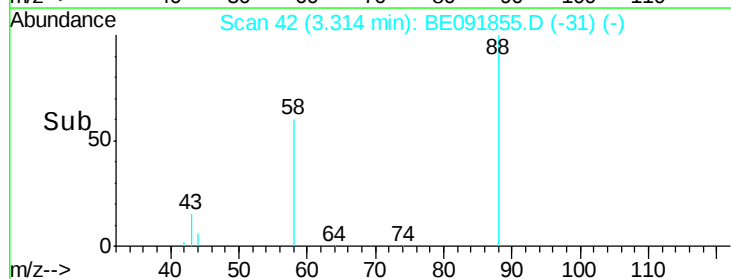
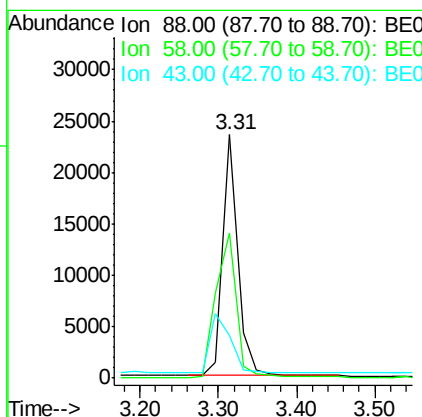
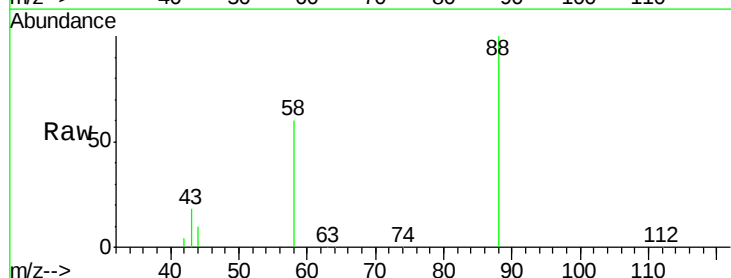
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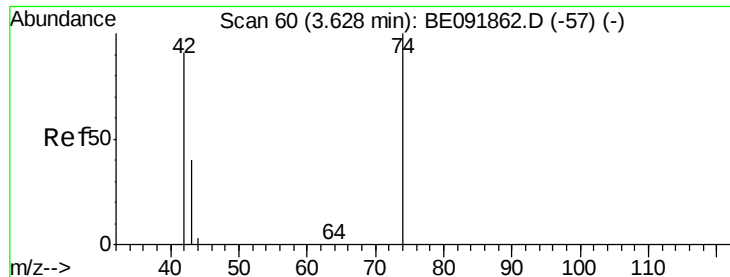


#2

1,4-Dioxane  
Concen: 9.82 ng  
RT: 3.31 min Scan# 42  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.9  | 63.0  | 94.4  |
| 43      | 33.5  | 29.1  | 43.7  |





#3

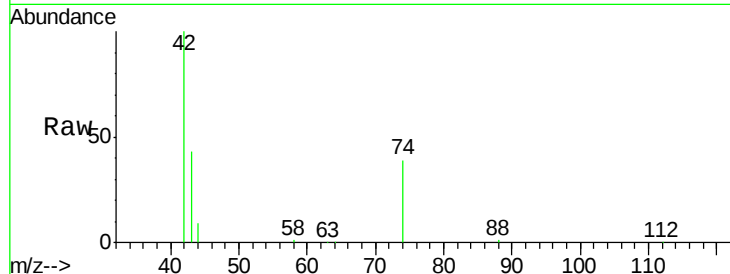
n-Nitrosodimethylamine  
Concen: 11.05 ng  
RT: 3.61 min Scan# 59  
Delta R.T. -0.02 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 105.9 | 93.4  | 140.0 |
| 44      | 6.2   | 5.0   | 7.6   |

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Abundance

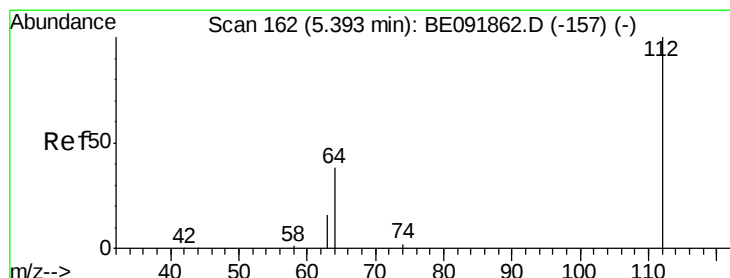
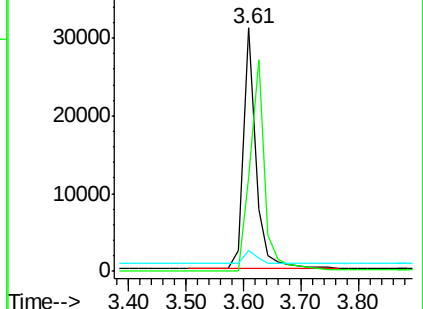
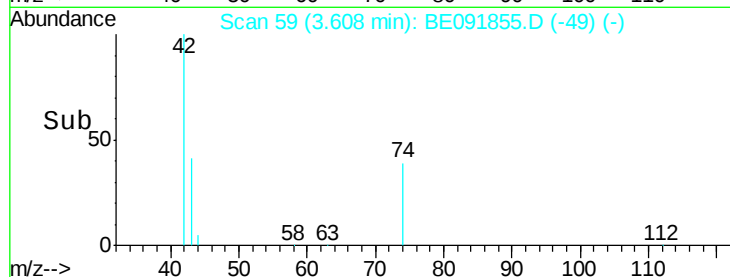
Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

3.61

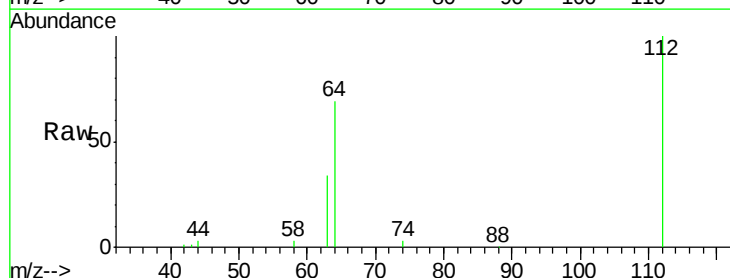
Time-->



#4

2-Fluorophenol  
Concen: 10.49 ng  
RT: 5.37 min Scan# 161  
Delta R.T. -0.02 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.6  | 53.7  | 80.5  |
| 63      | 35.4  | 29.5  | 44.3  |



Abundance

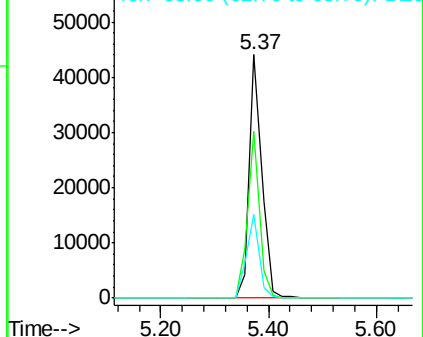
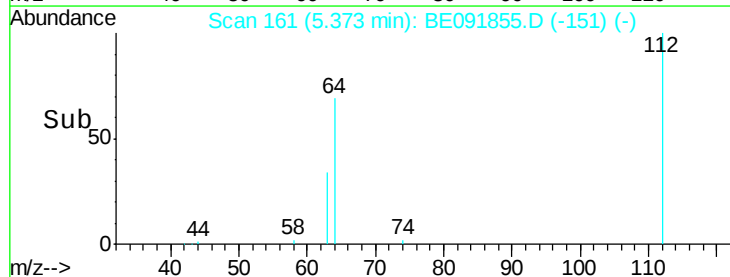
Ion 112.00 (111.70 to 112.70): BE0

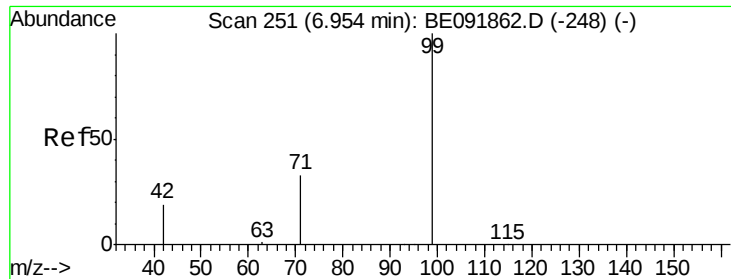
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.37

Time-->





#5

Phenol-d6

Concen: 11.04 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

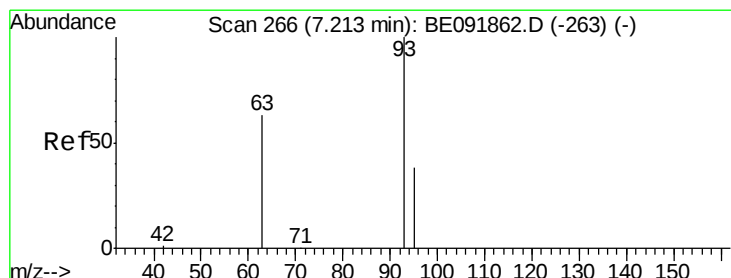
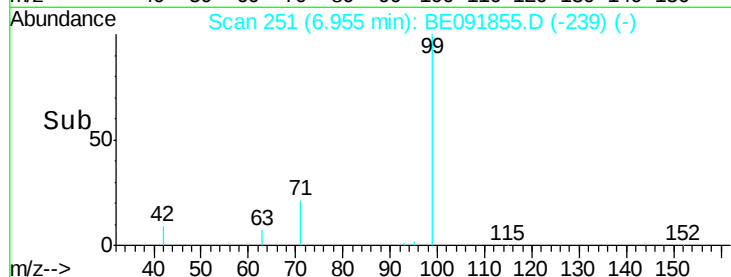
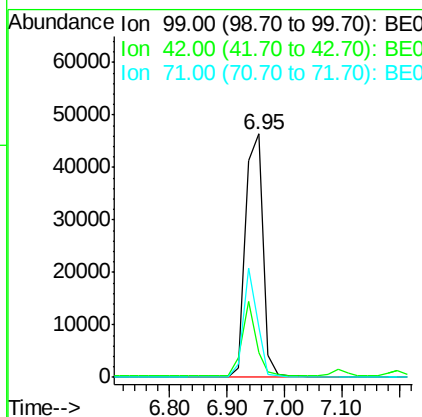
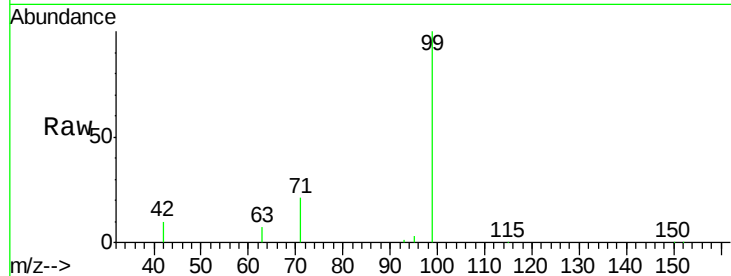
ClientSampleId :

SSTDICC10

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 98411 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 24.3  | 19.6  | 29.4  |
| 71       | 35.6  | 28.1  | 42.1  |

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#6

bis(2-Chloroethyl)ether

Concen: 10.56 ng

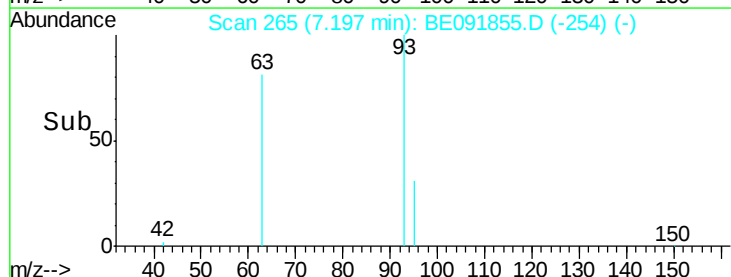
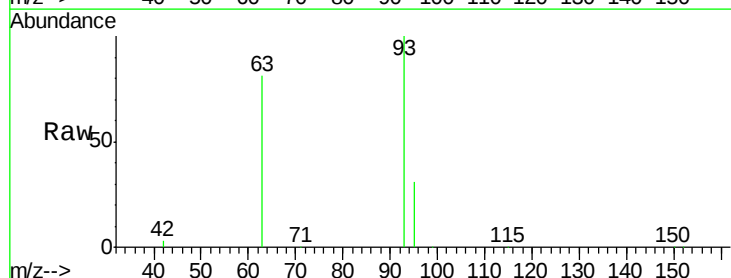
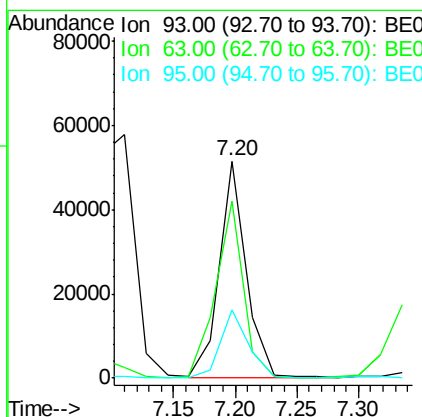
RT: 7.20 min Scan# 265

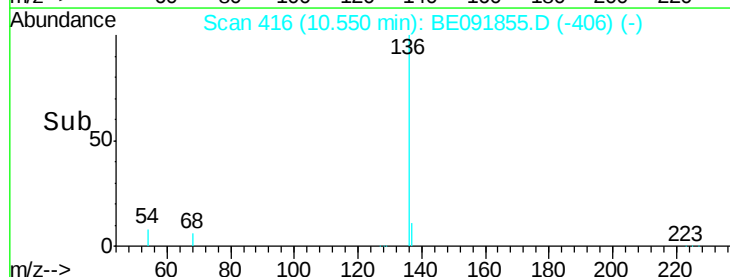
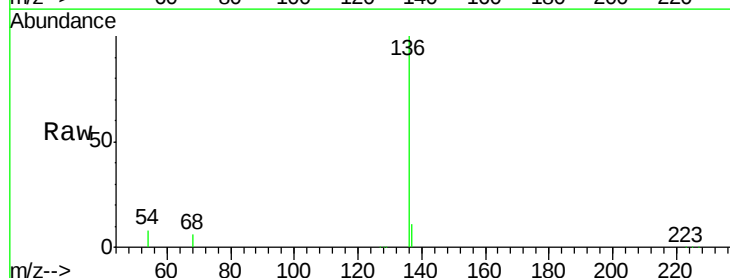
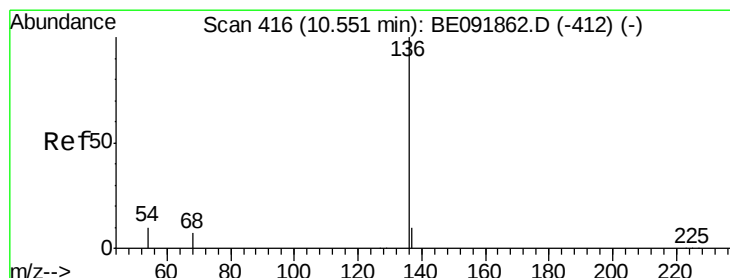
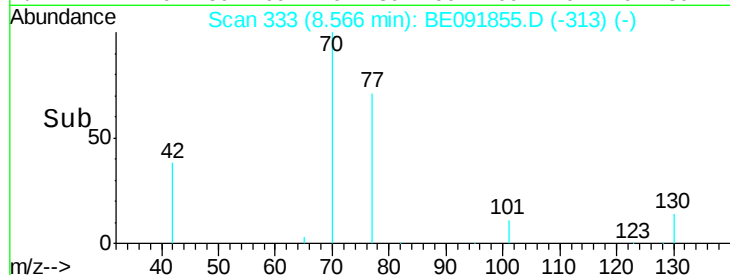
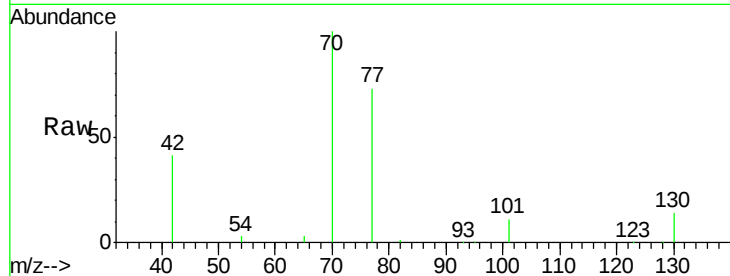
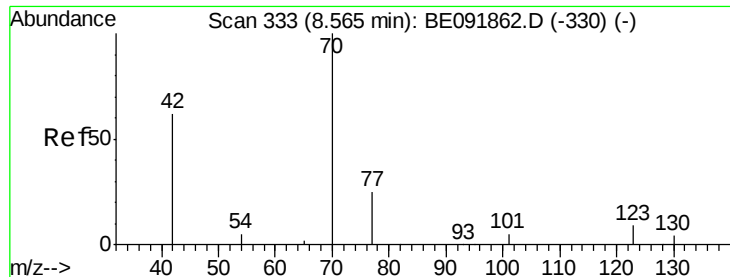
Delta R.T. -0.02 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 77716 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 84.0  | 66.2  | 99.4  |
| 95       | 32.3  | 25.5  | 38.3  |





#7

n-Nitroso-di-n-propylamine

Concen: 11.11 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

ClientSampleId :

SSTDICC10

Tot Ion: 70 Resp: 75482

Ion Ratio Lower Upper

70 100

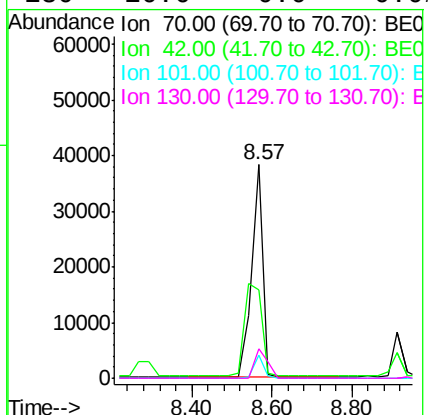
42 0.0 58.4 87.6#

101 9.3 6.4 9.6

130 16.6 0.0 0.0#

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#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Tgt Ion: 136 Resp: 127434

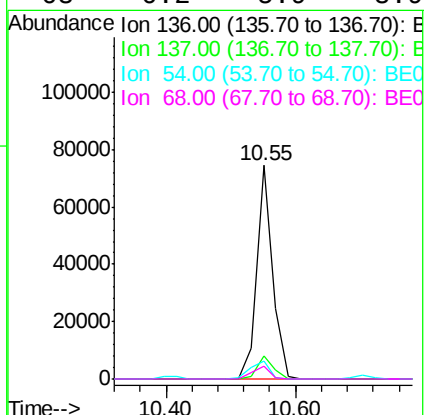
Ion Ratio Lower Upper

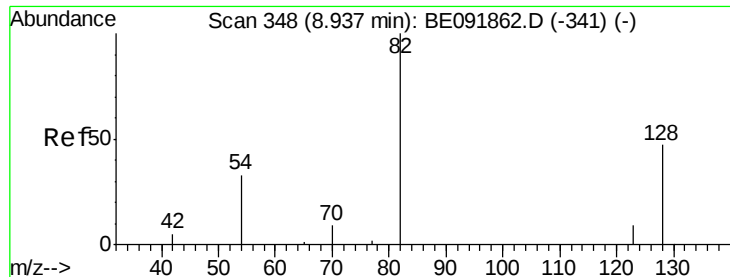
136 100

137 10.7 8.3 12.5

54 8.4 8.2 12.4

68 6.2 5.9 8.9





#9

Nitrobenzene-d5

Concen: 10.66 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

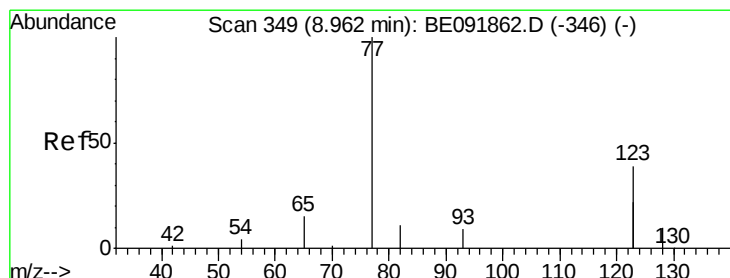
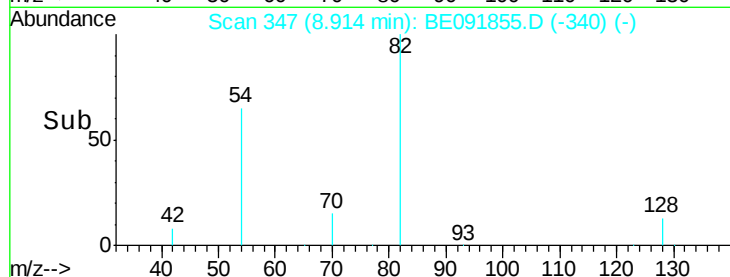
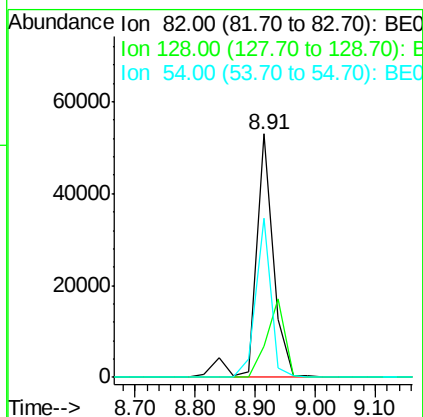
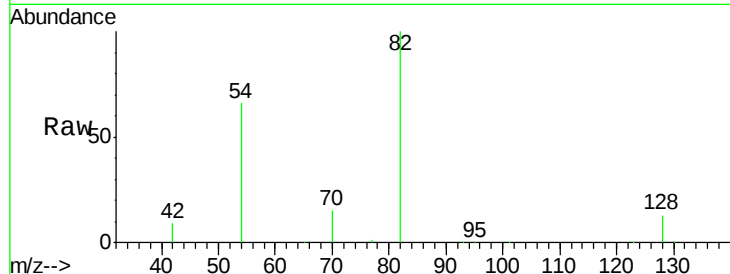
ClientSampleId :

SSTDICC10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 107490 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 12.8  | 39.5  | 59.3#  |
| 54        | 65.6  | 30.3  | 45.5#  |

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#10

Nitrobenzene

Concen: 10.81 ng

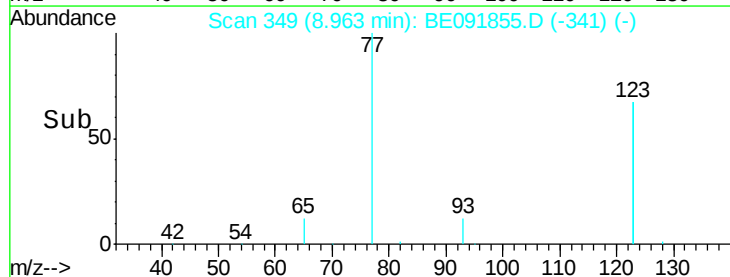
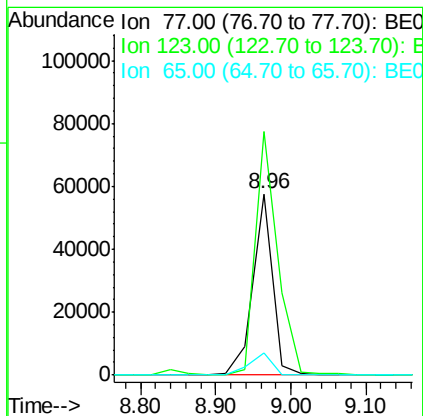
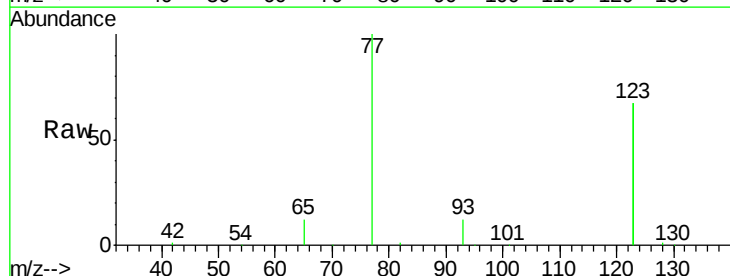
RT: 8.96 min Scan# 349

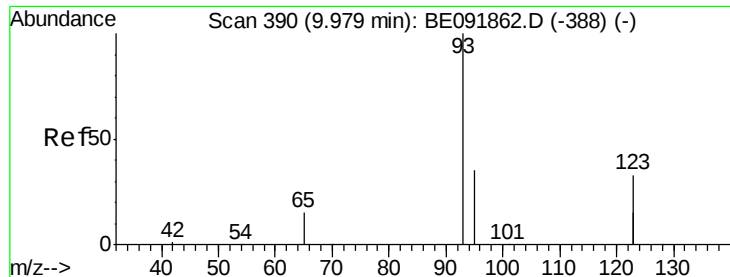
Delta R.T. 0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 103639 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 151.2 | 0.0   | 0.0#   |
| 65        | 13.8  | 11.1  | 16.7   |





#11

bis(2-Chloroethoxy)methane

Concen: 11.37 ng

RT: 9.96 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

ClientSampleId :

SSTDICC10

Tot Ion: 93 Resp: 126667  
Ion Ratio Lower Upper

93 100

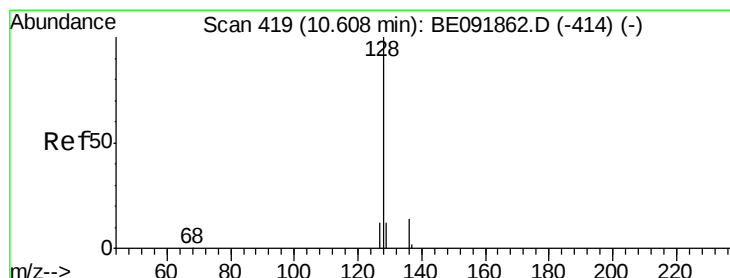
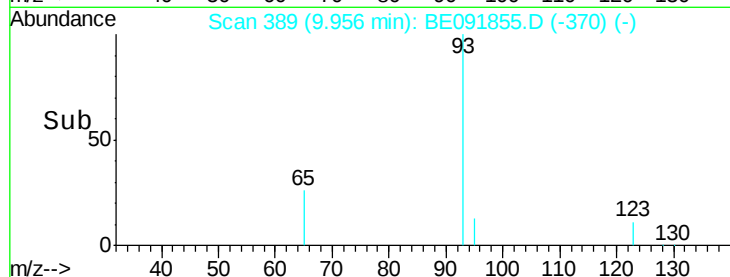
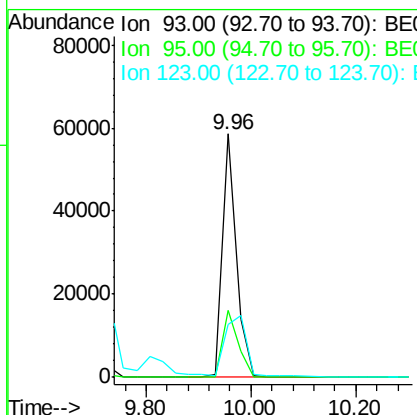
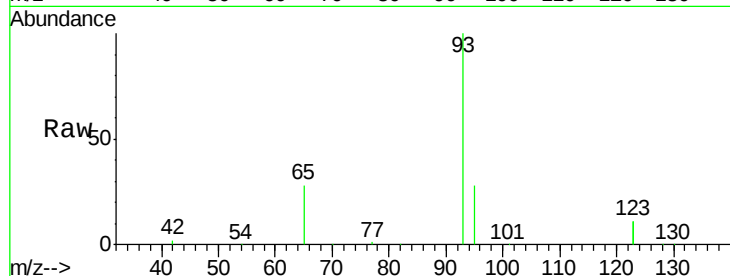
95 31.8 57.6 86.4#

123 0.0 100.2 150.4#

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#12

Naphthalene

Concen: 9.84 ng

RT: 10.61 min Scan# 419

Delta R.T. -0.00 min

Lab File: BE091855.D

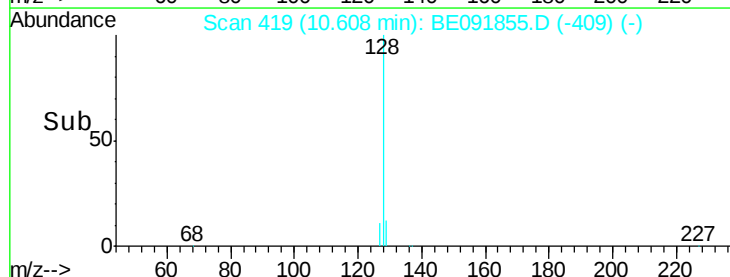
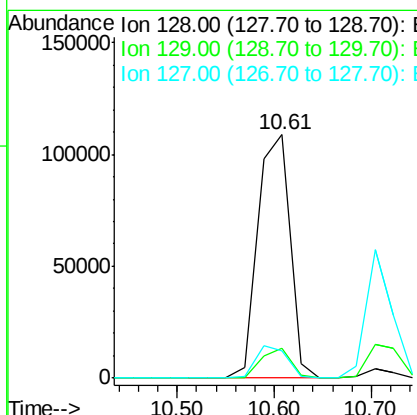
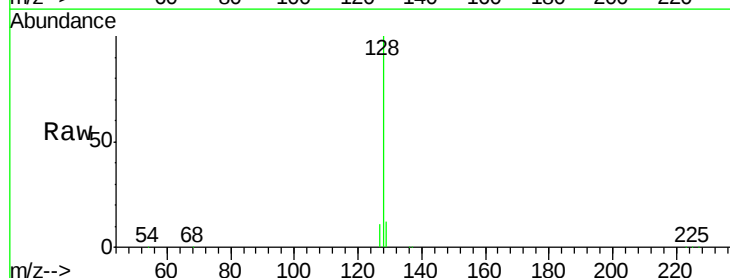
Acq: 25 May 2016 12:29

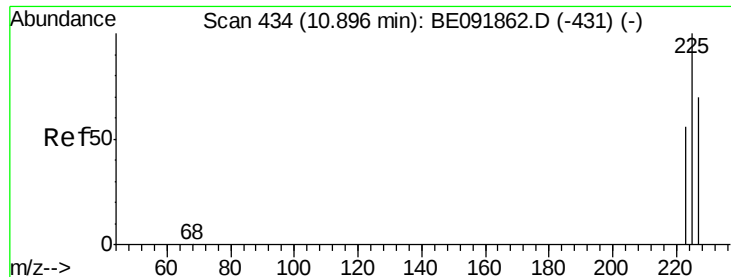
Tgt Ion: 128 Resp: 251867  
Ion Ratio Lower Upper

128 100

129 12.2 10.4 15.6

127 11.4 10.2 15.2





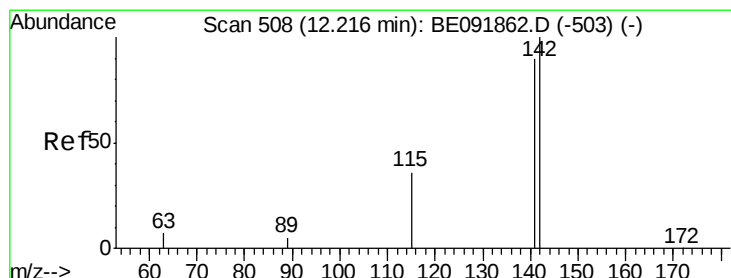
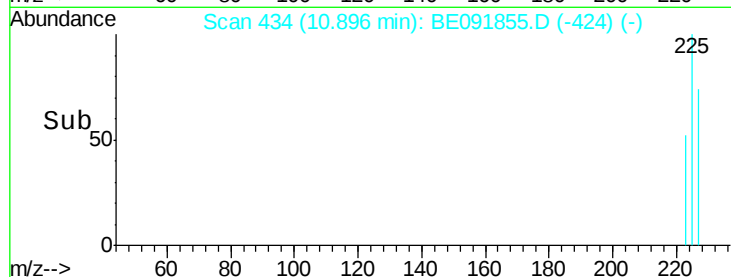
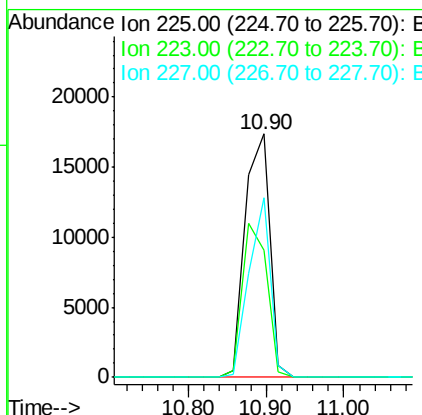
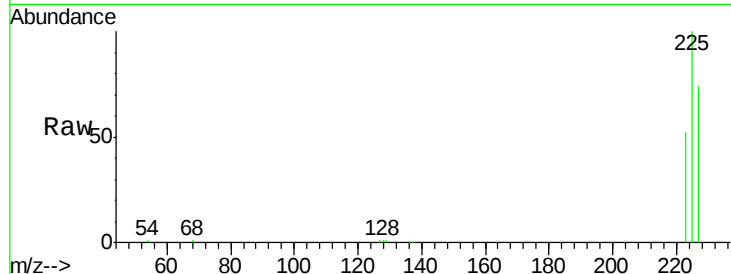
#13  
Hexachlorobutadiene  
Concen: 9.61 ng  
RT: 10.90 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 49.8  | 74.8  |
| 227     | 64.0  | 50.6  | 75.8  |

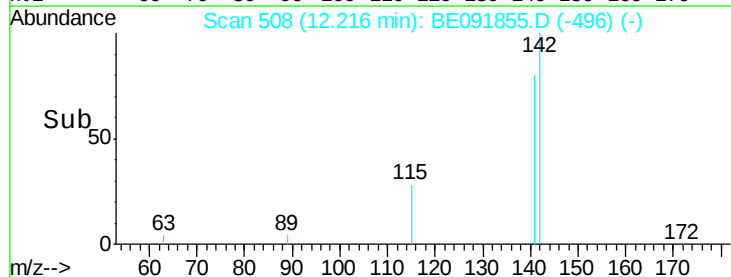
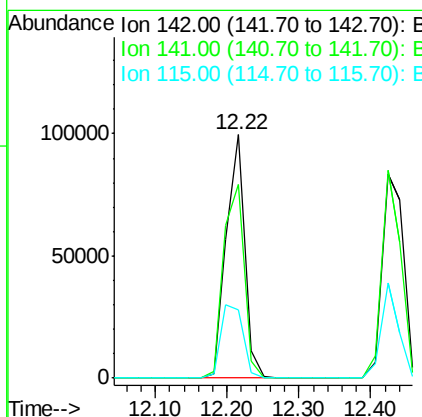
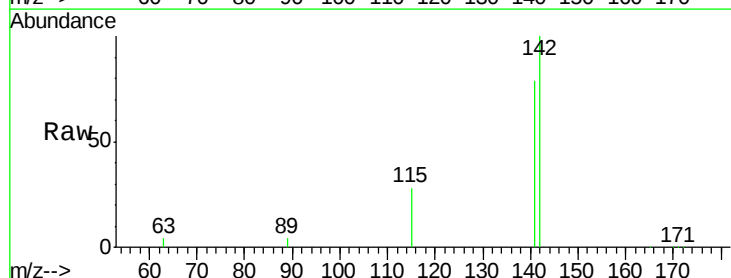
Manual Integrations  
APPROVED

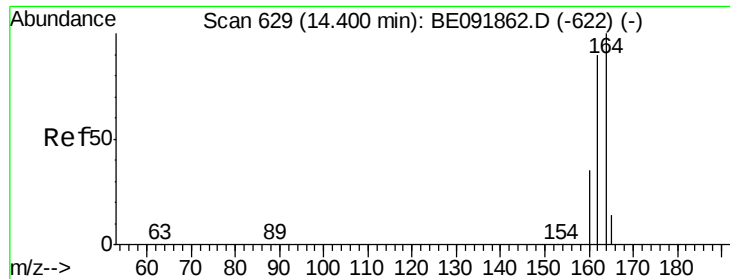
sohil  
5/26/2016 6:43:44 PM



#14  
2-Methylnaphthalene  
Concen: 10.19 ng  
RT: 12.22 min Scan# 508  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 79.5  | 71.9  | 107.9 |
| 115     | 28.0  | 29.9  | 44.9# |





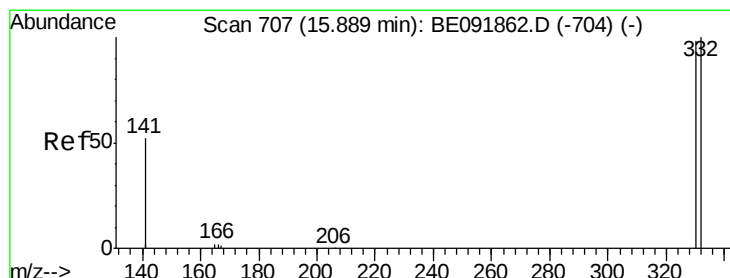
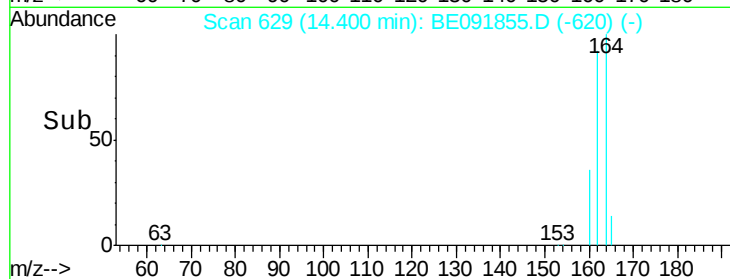
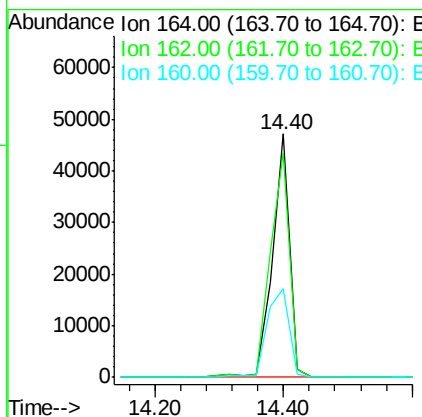
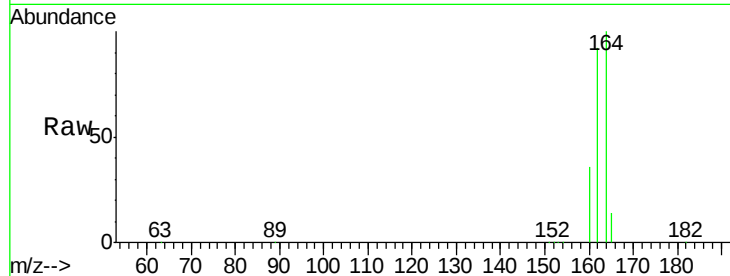
#15  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.40 min Scan# 629  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 92.2  | 71.8  | 107.8 |
| 160     | 36.4  | 28.0  | 42.0  |

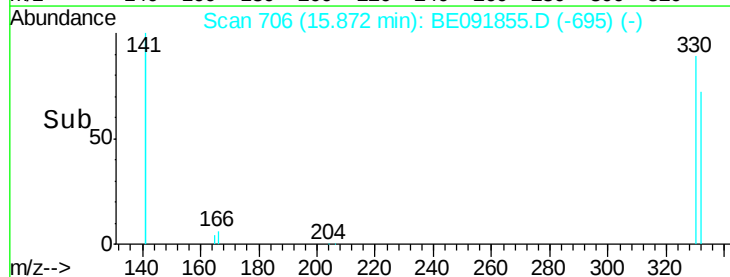
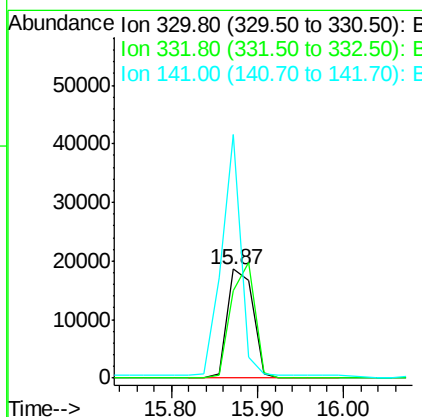
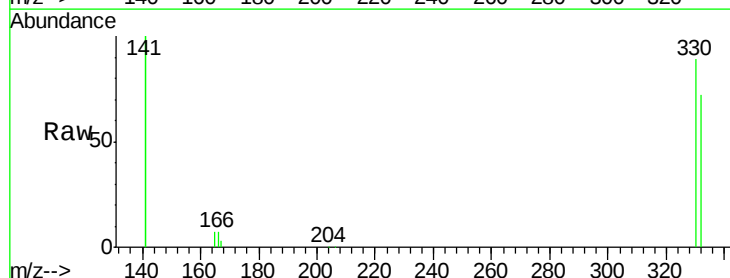
Manual Integrations  
APPROVED

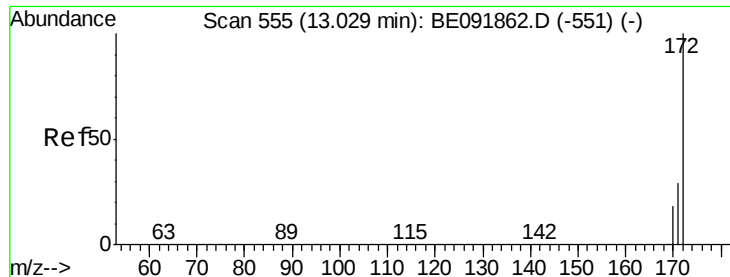
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#16  
2,4,6-Tribromophenol  
Concen: 10.60 ng  
RT: 15.87 min Scan# 706  
Delta R.T. -0.02 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.5  | 77.0  | 115.6 |
| 141     | 168.7 | 138.4 | 207.6 |





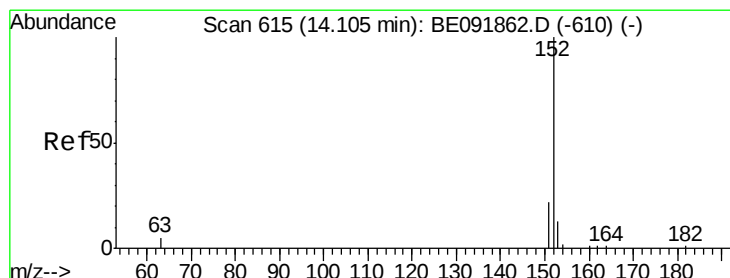
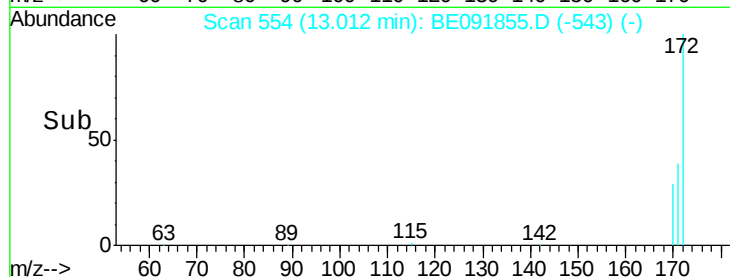
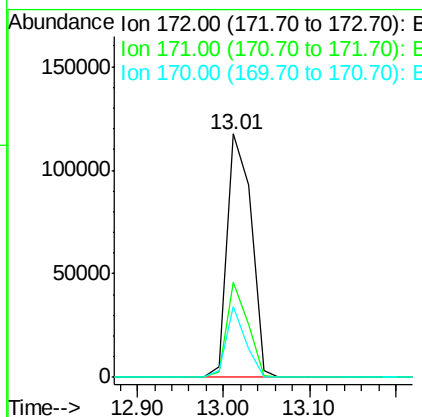
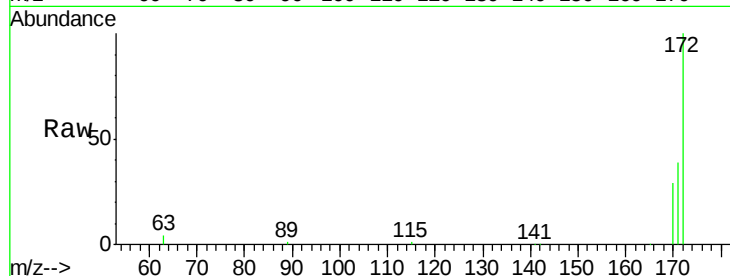
#17  
2-Fluorobiphenyl  
Concen: 9.60 ng  
RT: 13.01 min Scan# 554  
Delta R.T. -0.02 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.1  | 24.3  | 36.5# |
| 170     | 29.0  | 14.9  | 22.3# |

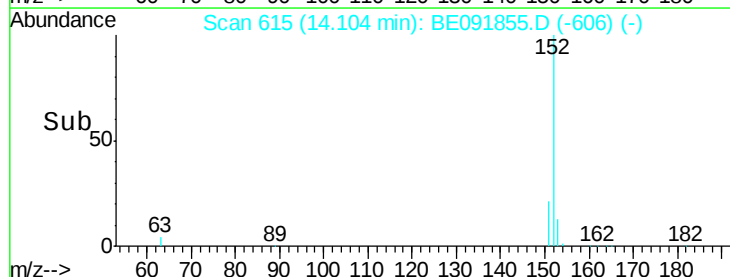
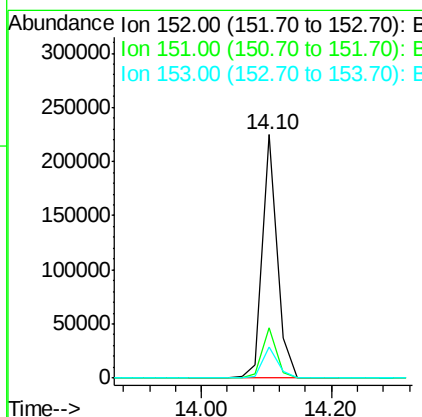
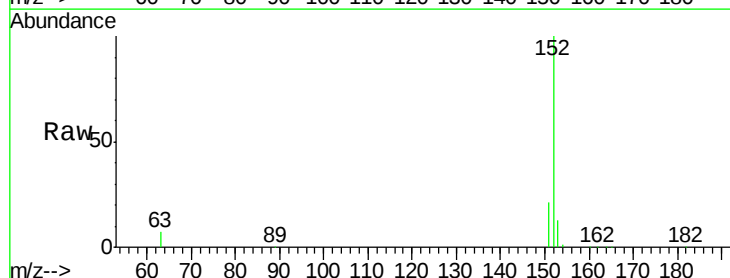
Manual Integrations  
APPROVED

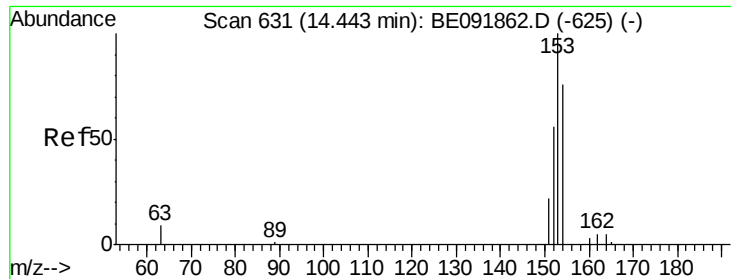
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#18  
Acenaphthylene  
Concen: 9.93 ng  
RT: 14.10 min Scan# 615  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 19.4  | 29.2  |
| 153     | 13.3  | 14.4  | 21.6# |





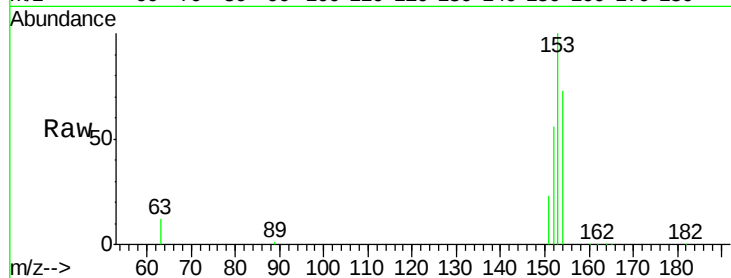
#20  
Acenaphthene  
Concen: 9.68 ng  
RT: 14.44 min Scan# 631  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 108.5 | 88.1  | 132.1 |
| 152     | 53.7  | 44.2  | 66.2  |

Manual Integrations  
APPROVED

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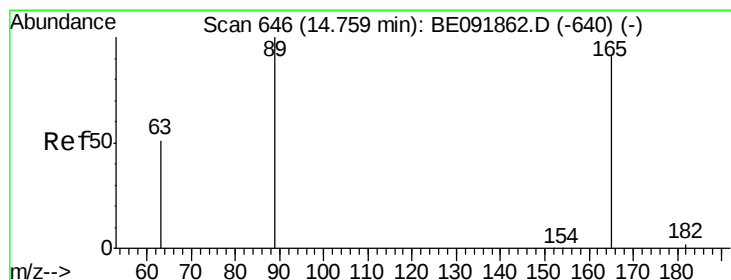
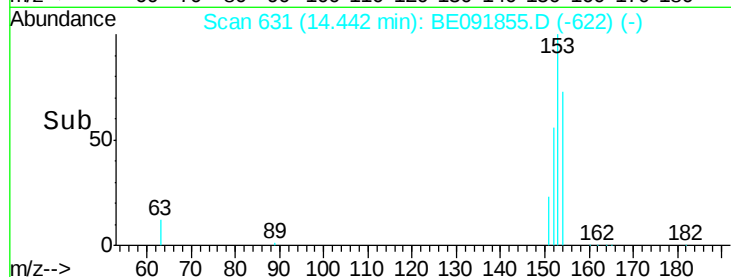
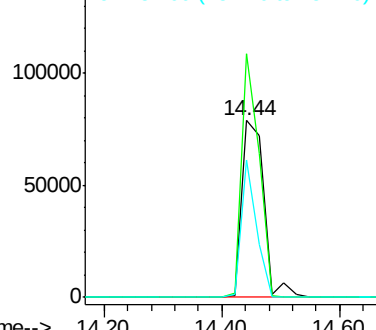


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#21  
2,4-Dinitrotoluene  
Concen: 12.54 ng  
RT: 14.76 min Scan# 646  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 0.0   | 0.0    |
| 89      | 0.0   | 99.8  | 149.8# |
| 182     | 2.3   | 0.0   | 0.0#   |

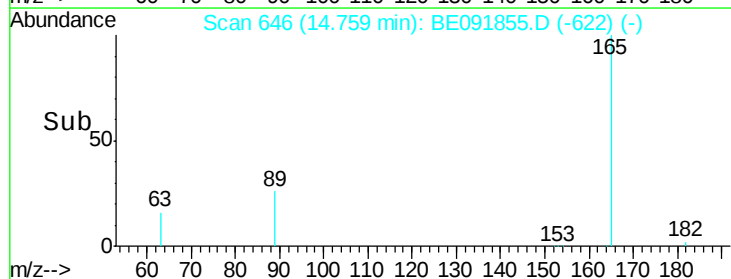
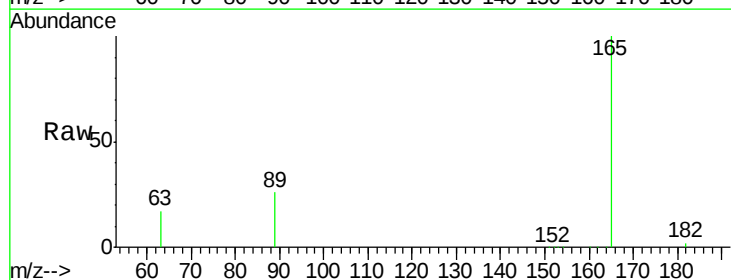
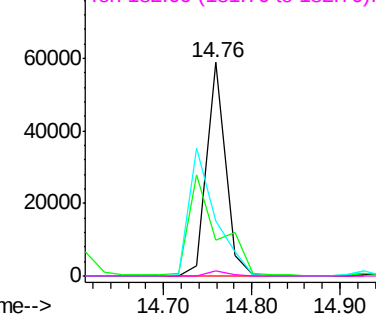
Abundance

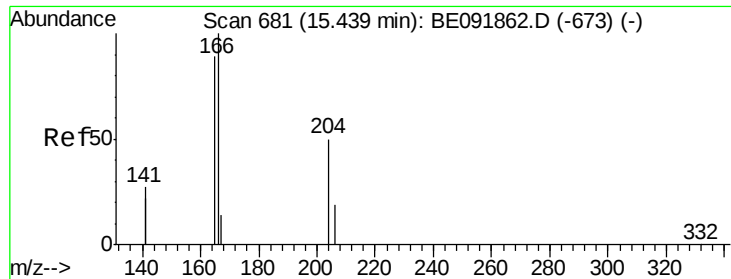
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E





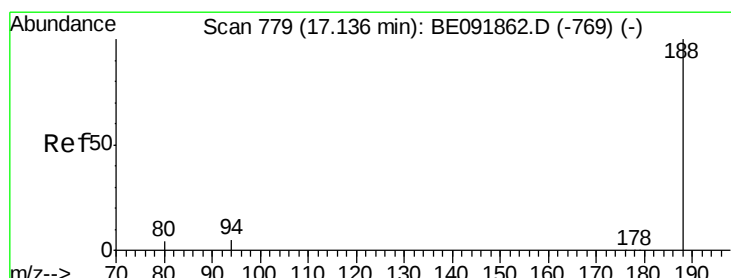
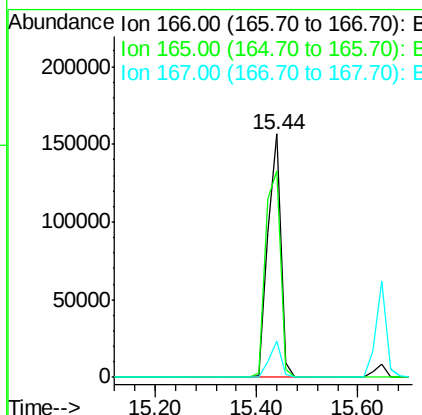
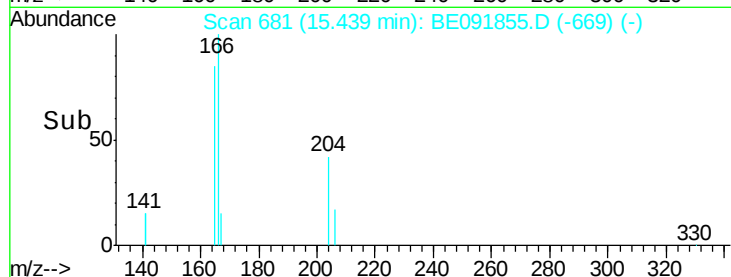
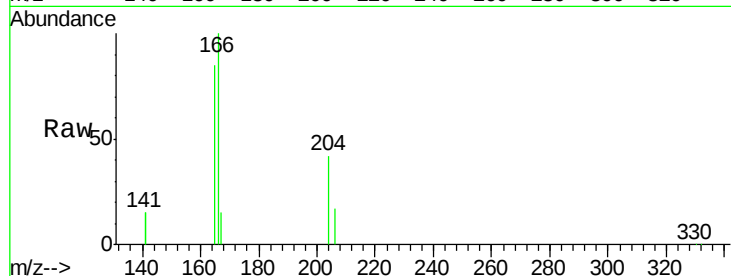
#22  
**Fluorene**  
 Concen: 9.78 ng  
 RT: 15.44 min Scan# 681  
 Delta R.T. 0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.1  | 78.6  | 117.8 |
| 167     | 13.5  | 10.8  | 16.2  |

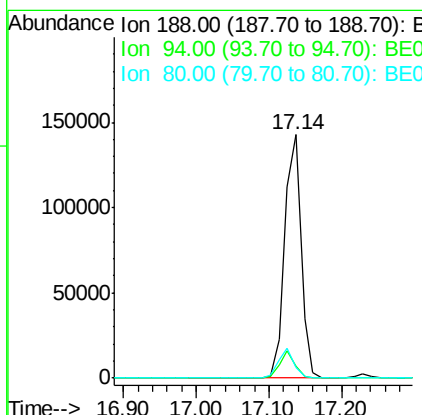
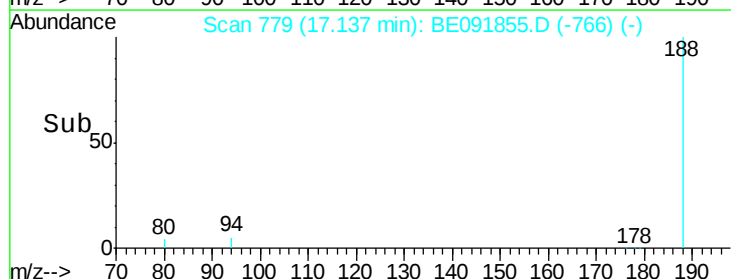
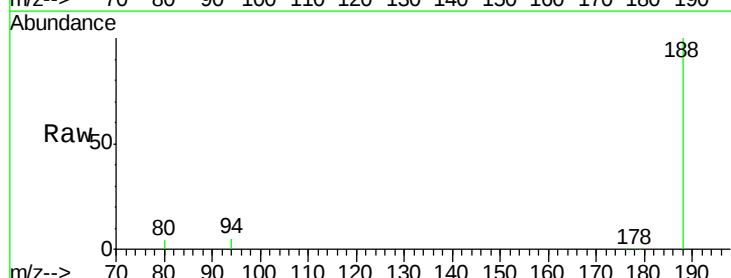
Manual Integrations  
 APPROVED

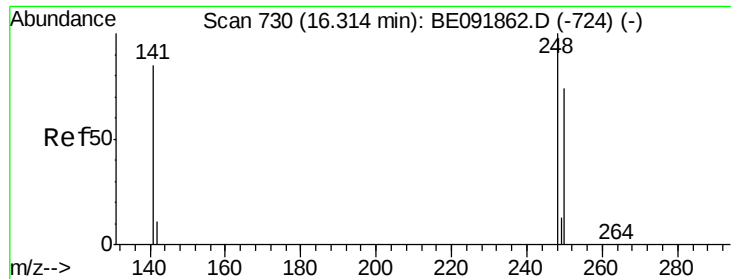
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#24  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.14 min Scan# 779  
 Delta R.T. 0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.1   | 4.1   | 6.1   |
| 80      | 4.1   | 3.4   | 5.2   |





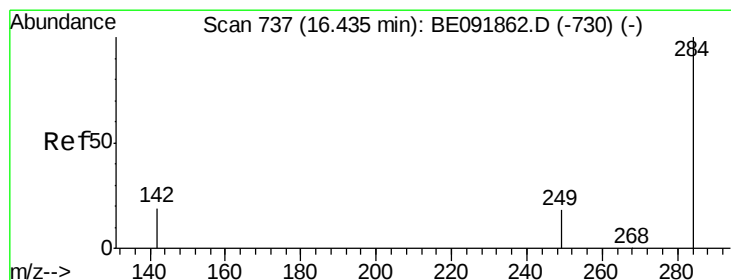
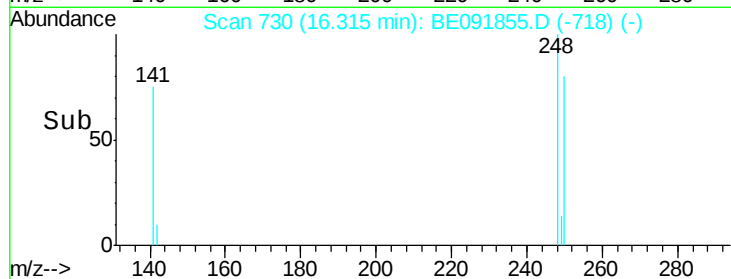
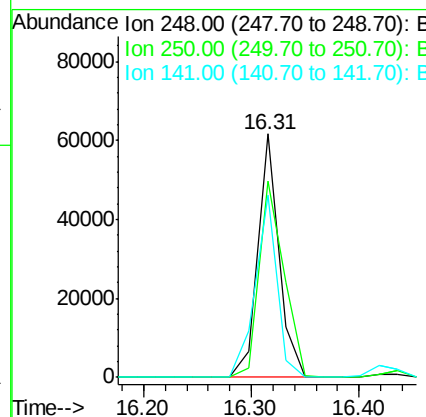
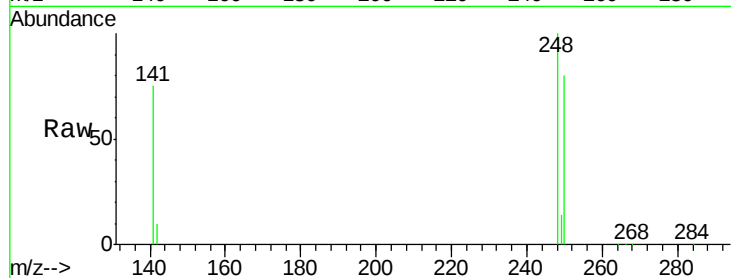
#25  
4-Bromophenyl-phenylether  
Concen: 9.83 ng  
RT: 16.31 min Scan# 730  
Delta R.T. 0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 94.2  | 75.7  | 113.5 |
| 141     | 76.6  | 64.6  | 97.0  |

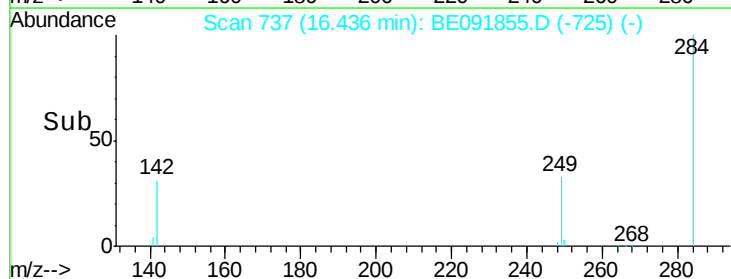
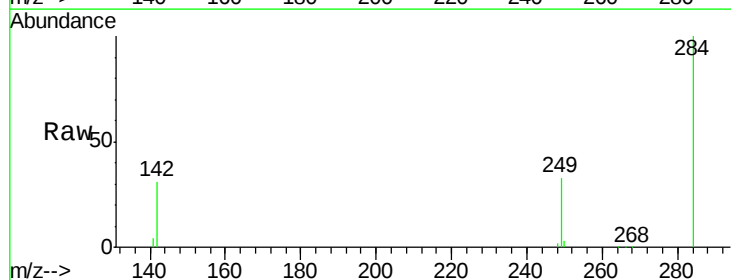
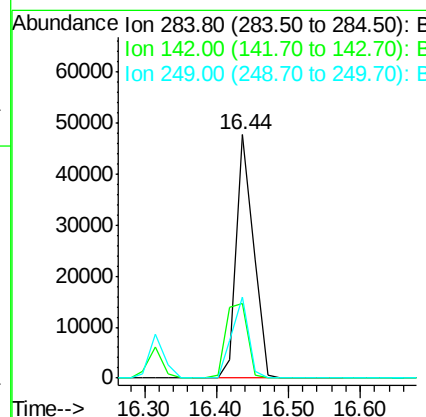
Manual Integrations  
APPROVED

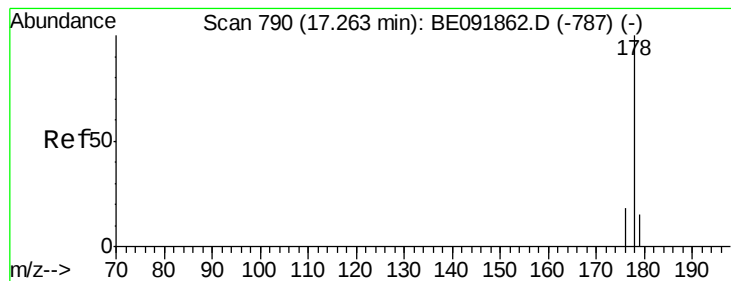
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#26  
Hexachlorobenzene  
Concen: 9.50 ng  
RT: 16.44 min Scan# 737  
Delta R.T. 0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 39.2  | 31.4  | 47.2  |
| 249     | 32.7  | 25.3  | 37.9  |





#29

Anthracene

Concen: 9.96 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

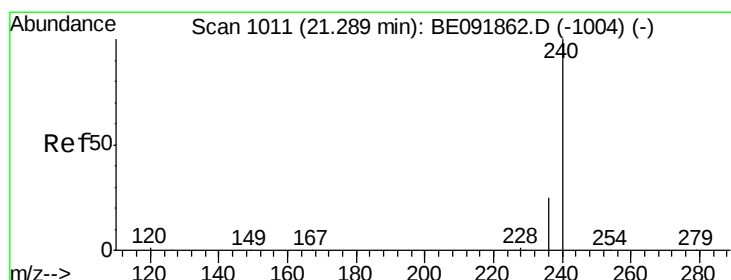
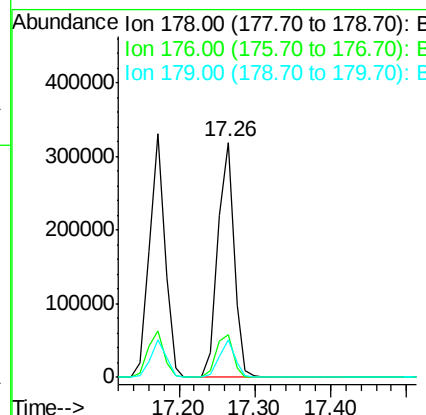
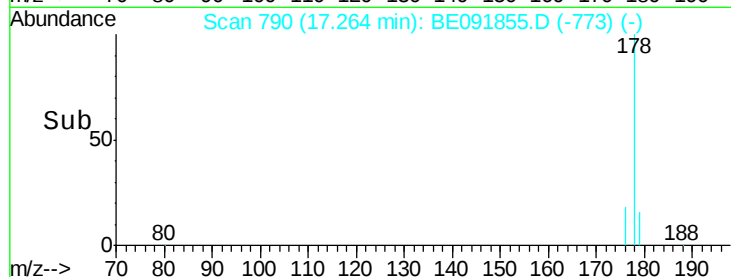
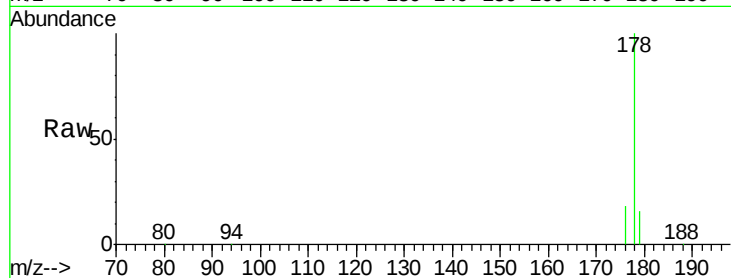
ClientSampleId :

SSTDICC10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 474500 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.2  | 15.1  | 22.7   |
| 179       | 15.3  | 12.1  | 18.1   |

Manual Integrations  
APPROVED

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#31

Chrysene-d12

Concen: 5.00 ng

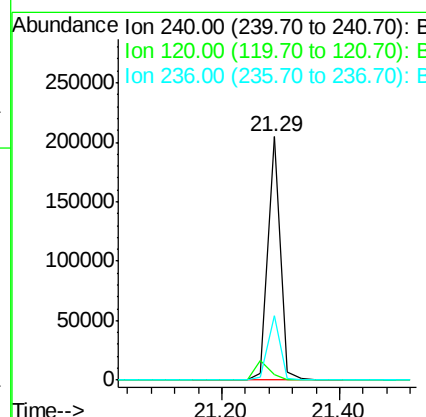
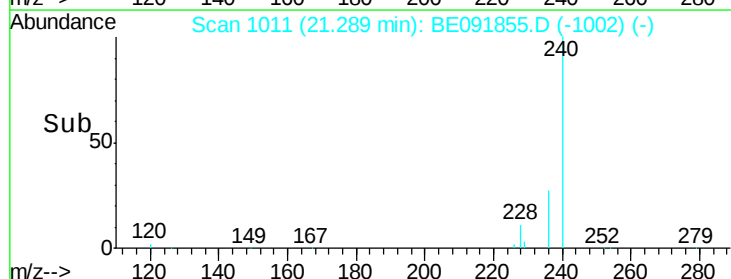
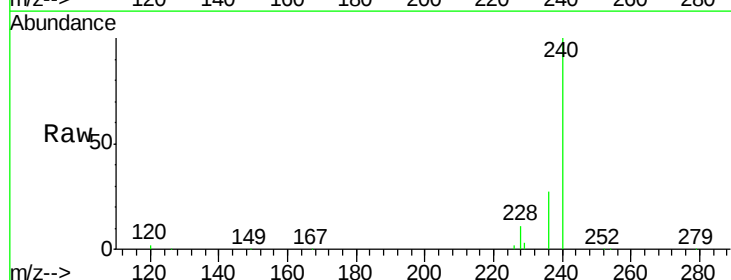
RT: 21.29 min Scan# 1011

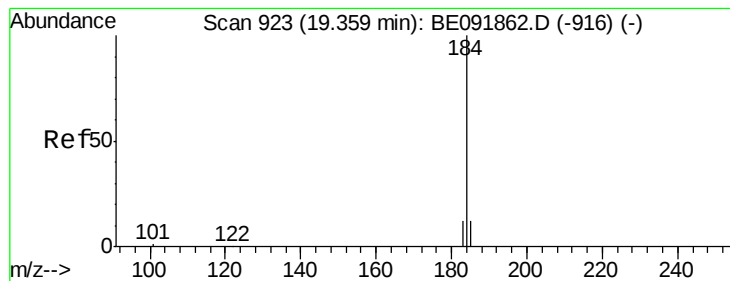
Delta R.T. -0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 303819 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 2.2   | 1.2   | 1.8#   |
| 236       | 26.7  | 19.8  | 29.8   |





#32

Benzidine

Concen: 11.82 ng

RT: 19.36 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

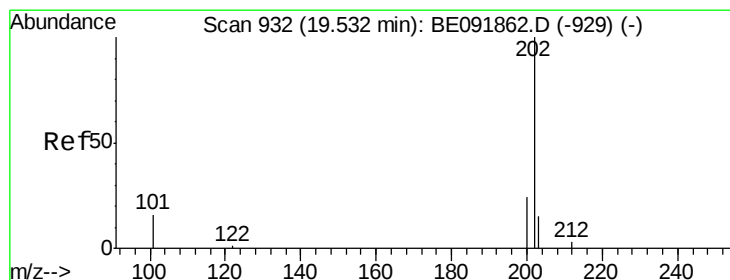
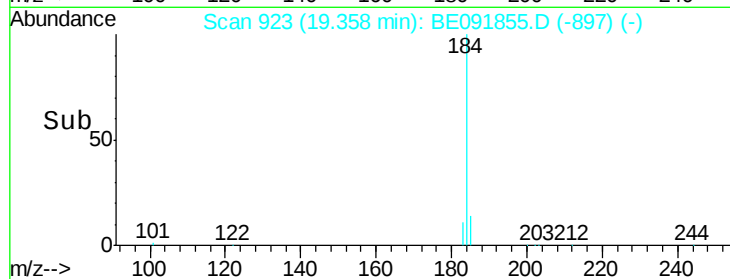
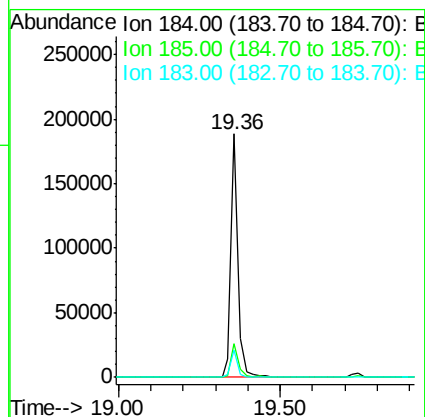
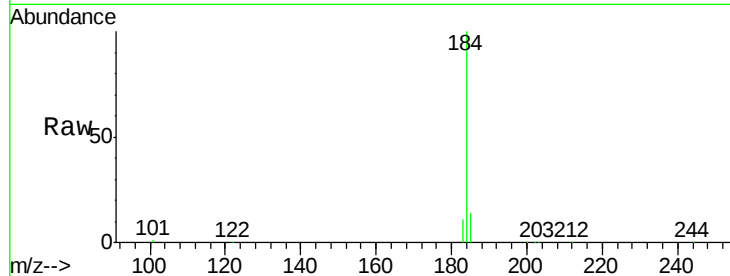
ClientSampleId :

SSTDICC10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 282236 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.8  | 11.4  | 17.2   |
| 183       | 11.1  | 11.8  | 17.6#  |

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#33

Pyrene

Concen: 9.81 ng

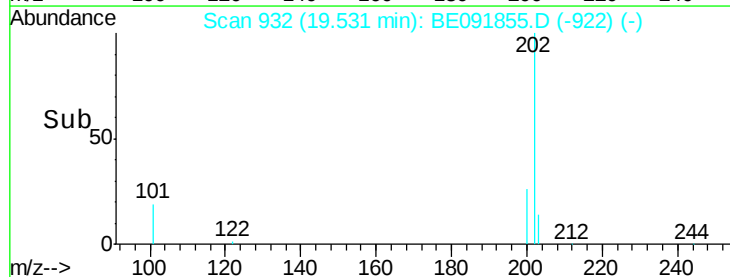
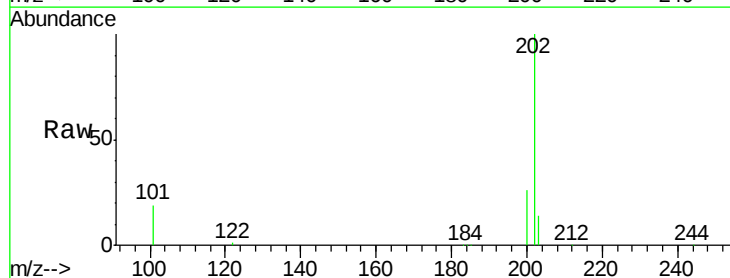
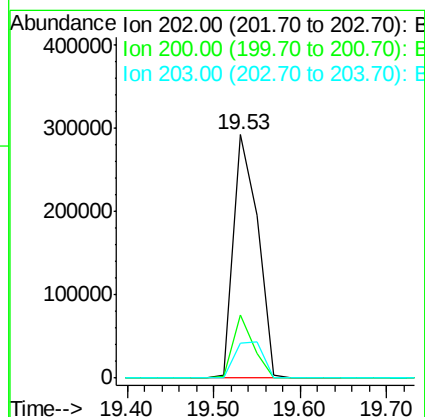
RT: 19.53 min Scan# 932

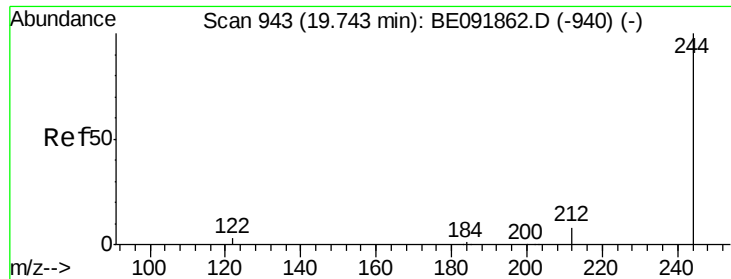
Delta R.T. -0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 571227 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.7  | 16.9  | 25.3   |
| 203       | 17.8  | 14.1  | 21.1   |





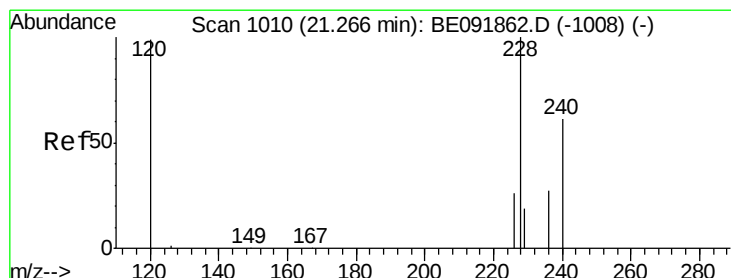
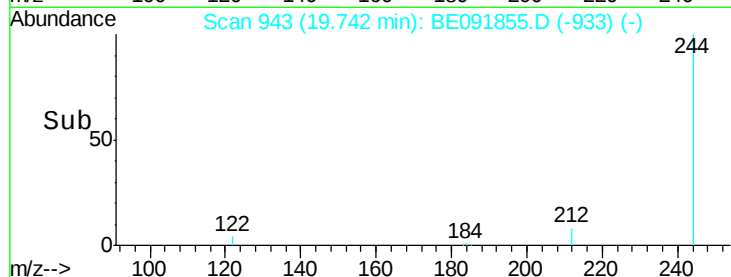
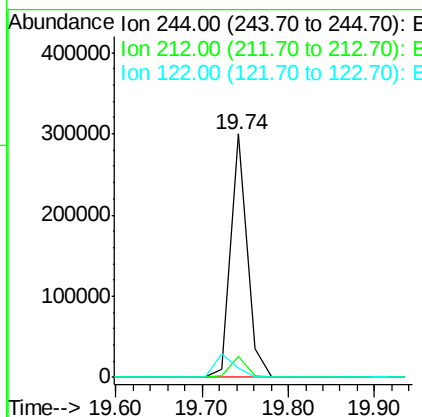
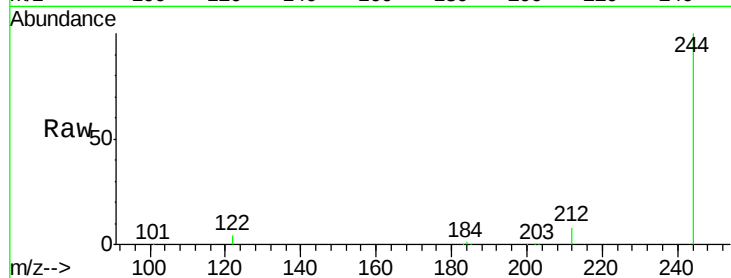
#34  
 Terphenyl-d14  
 Concen: 9.61 ng  
 RT: 19.74 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC10

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 8.4   | 6.5        | 9.7        |
| 122     | 3.6   | 2.9        | 4.3        |

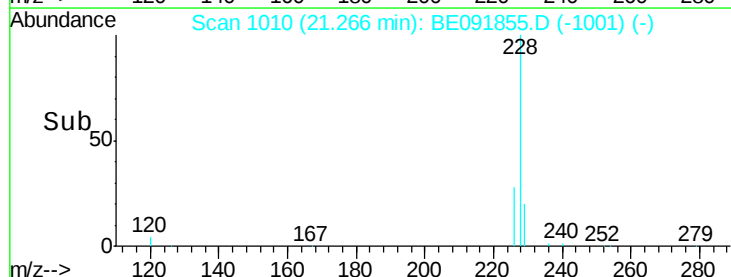
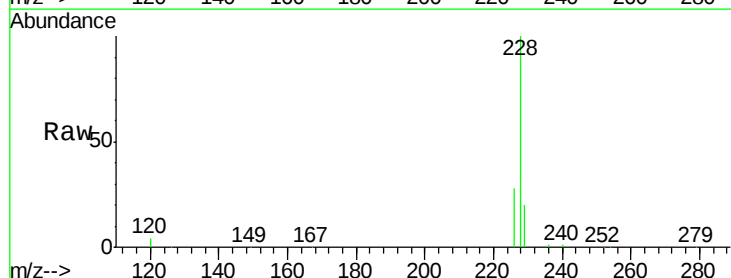
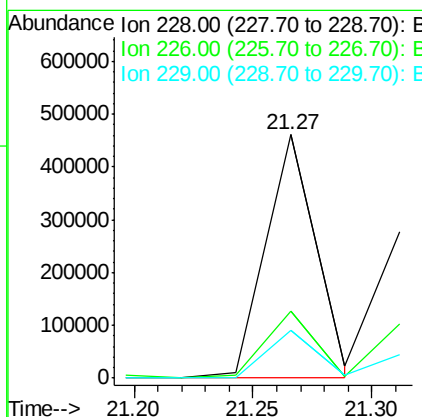
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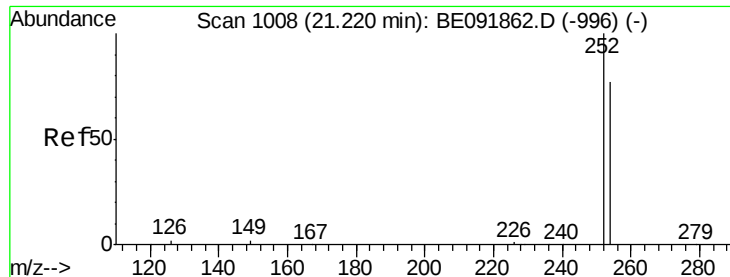
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#35  
 Benzo(a)anthracene  
 Concen: 6.92 ng m  
 RT: 21.27 min Scan# 1010  
 Delta R.T. -0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 27.7  | 21.0       | 31.4       |
| 229     | 19.6  | 15.8       | 23.8       |





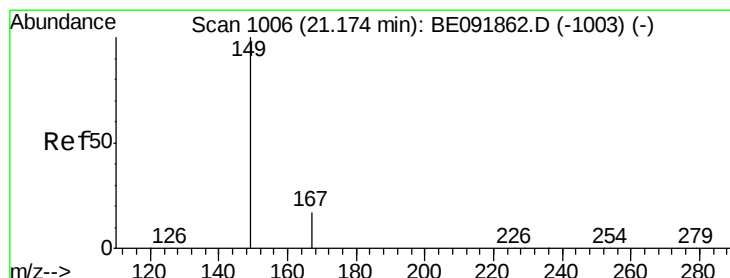
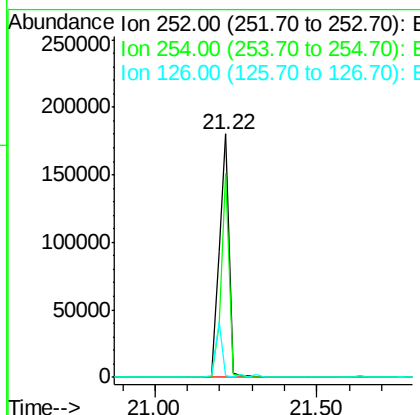
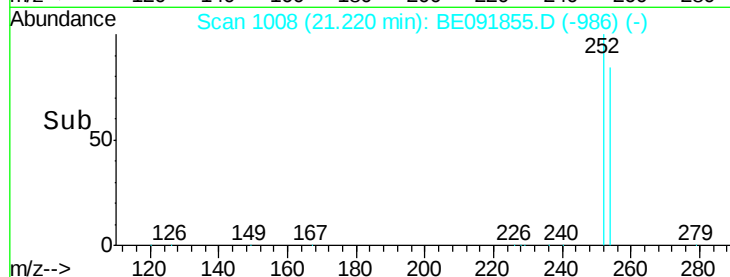
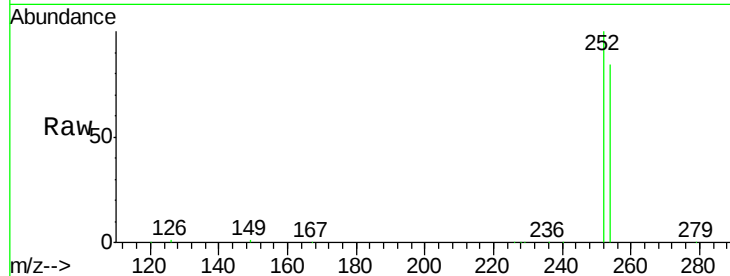
#36  
 3,3'-Dichlorobenzidine  
 Concen: 9.83 ng  
 RT: 21.22 min Scan# 1008  
 Delta R.T. -0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

Instrument :  
 BNA\_E  
 ClientSampled :  
 SSTDICC10

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 389729 |       |       |
| 254     | 83.6  | 61.5   | 92.3  |       |
| 126     | 0.5   | 2.5    | 3.7   |       |

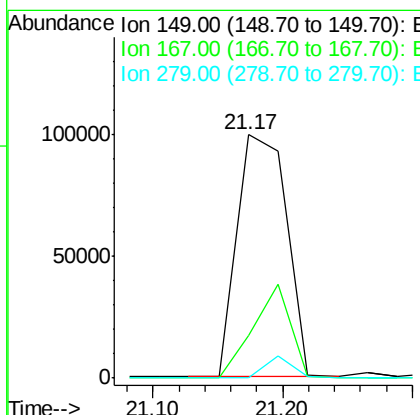
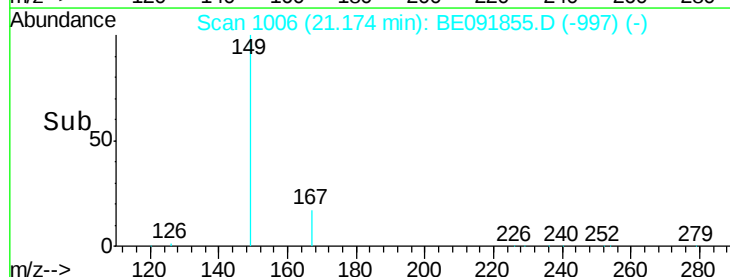
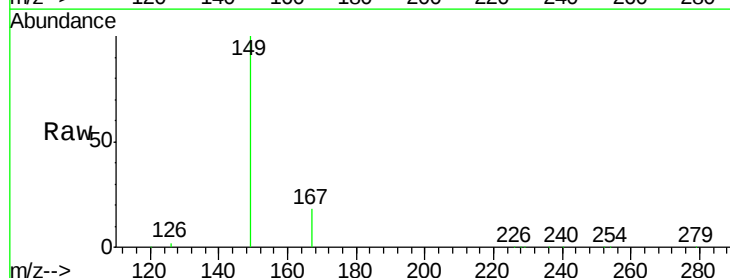
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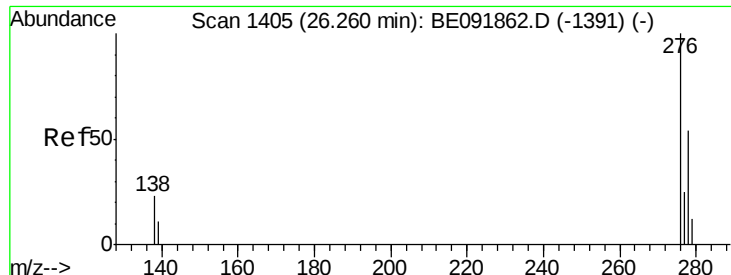
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#38  
 Bis(2-ethylhexyl)phthalate  
 Concen: 10.31 ng  
 RT: 21.17 min Scan# 1006  
 Delta R.T. -0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 266592 |       |       |
| 167     | 0.0   | 0.0    | 0.0   |       |
| 279     | 0.0   | 0.0    | 0.0   |       |





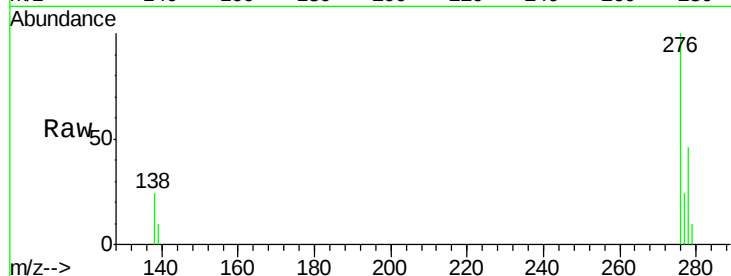
#39  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.77 ng  
 RT: 26.26 min Scan# 1405  
 Delta R.T. 0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC10

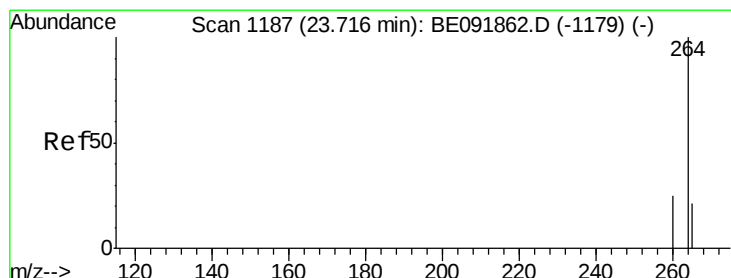
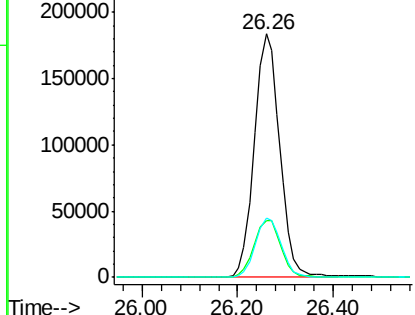
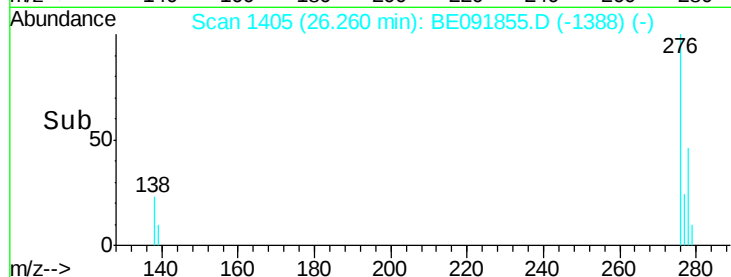
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.7  | 19.7  | 29.5  |
| 277     | 24.8  | 20.1  | 30.1  |

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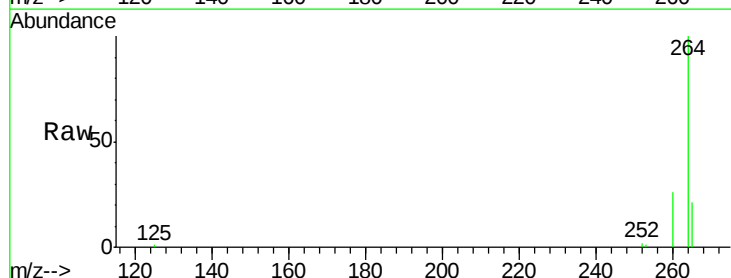


Abundance Ion 276.00 (275.70 to 276.70): E  
 250000  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

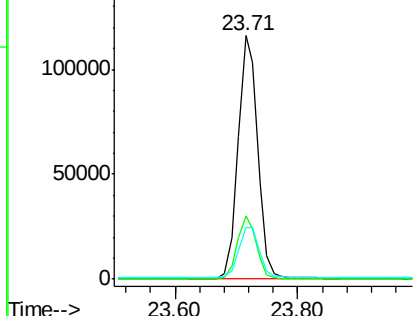
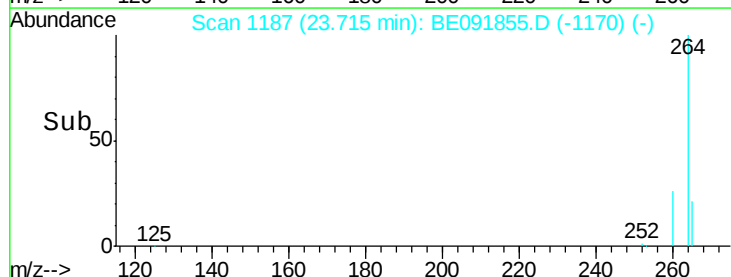


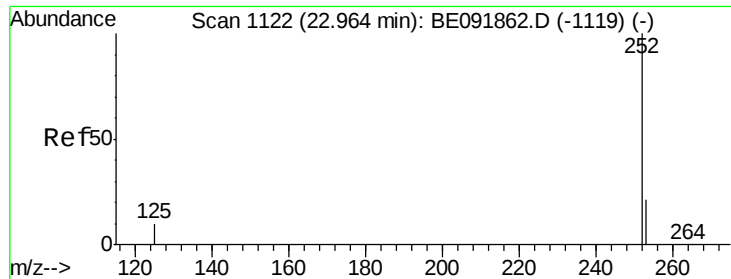
#40  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.71 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 20.3  | 30.5  |
| 265     | 21.4  | 17.6  | 26.4  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 150000  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





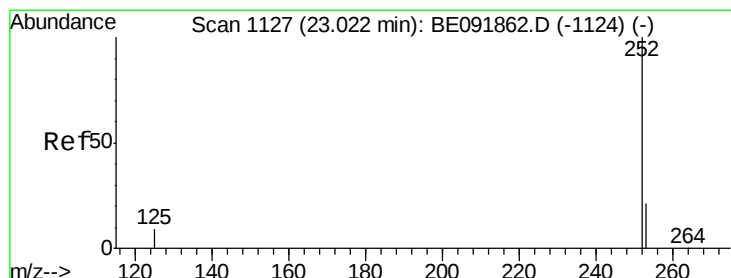
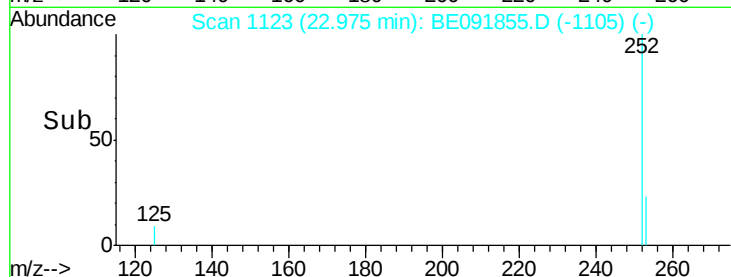
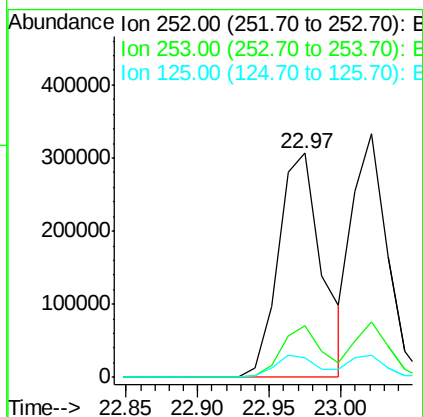
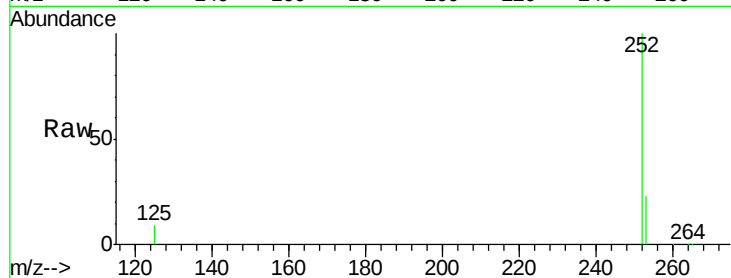
#41  
Benzo(b)fluoranthene  
Concen: 10.27 ng  
RT: 22.97 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.8  | 26.6  |
| 125     | 9.0   | 9.4   | 14.2  |

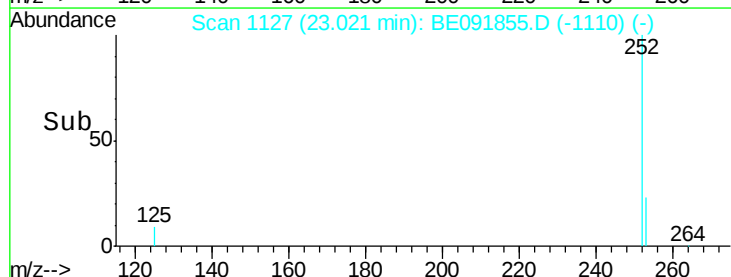
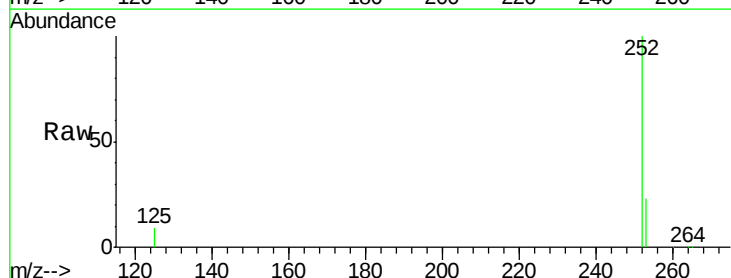
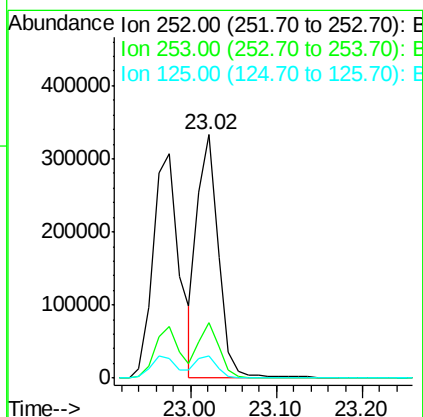
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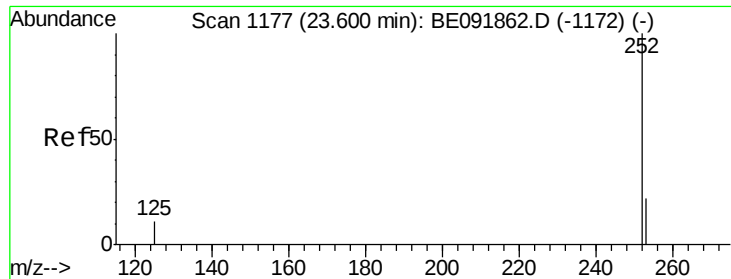
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#42  
Benzo(k)fluoranthene  
Concen: 9.23 ng  
RT: 23.02 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: BE091855.D  
Acq: 25 May 2016 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 19.4  | 29.2  |
| 125     | 9.2   | 8.3   | 12.5  |





#43

Benzo(a)pyrene

Concen: 9.95 ng

RT: 23.60 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

Instrument :

BNA\_E

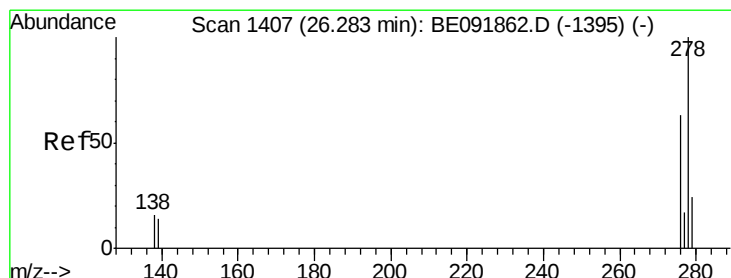
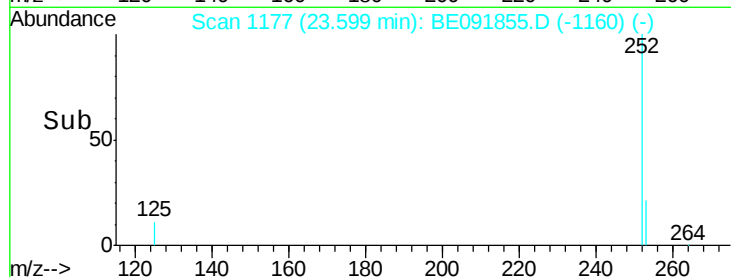
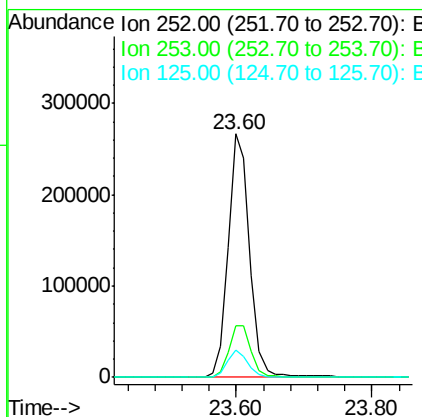
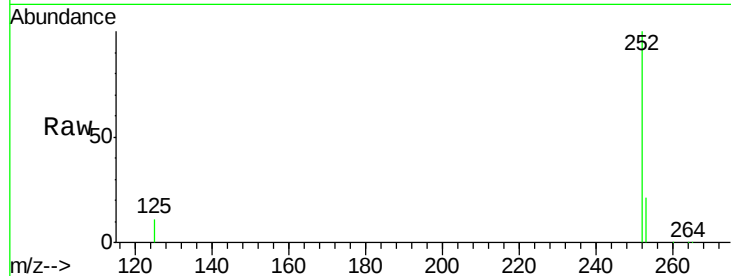
ClientSampleId :

SSTDICC10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 589062 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.3  | 18.9  | 28.3   |
| 125       | 11.1  | 10.5  | 15.7   |

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#44

Dibenzo(a,h)anthracene

Concen: 9.87 ng

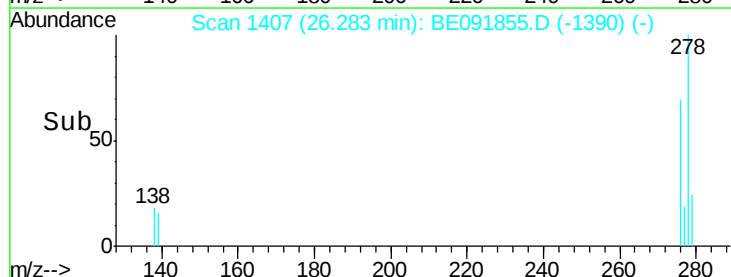
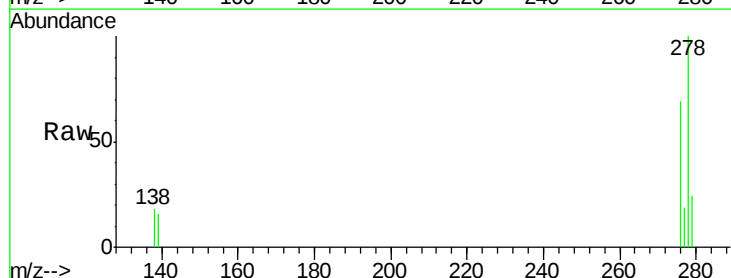
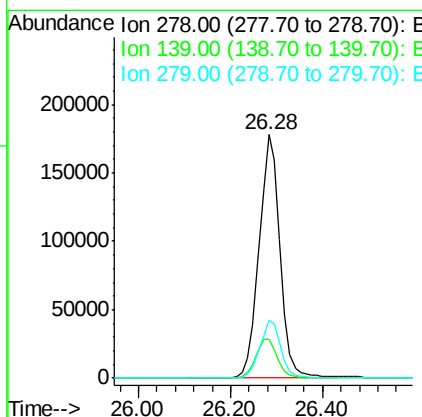
RT: 26.28 min Scan# 1407

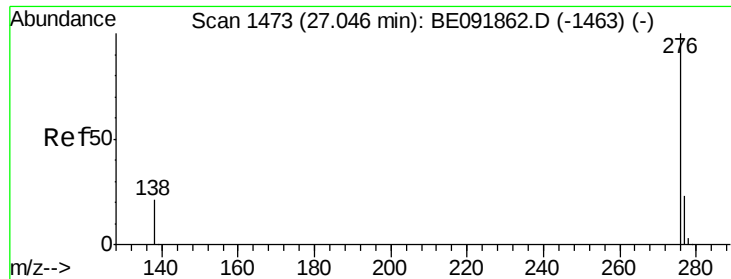
Delta R.T. 0.00 min

Lab File: BE091855.D

Acq: 25 May 2016 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 559721 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 16.2  | 12.6  | 18.8   |
| 279       | 23.8  | 20.0  | 30.0   |





#45  
 Benzo(a,h,i)perylene  
 Concen: 9.80 ng  
 RT: 27.05 min Scan# 1473  
 Delta R.T. 0.00 min  
 Lab File: BE091855.D  
 Acq: 25 May 2016 12:29

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 561043 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.5  | 19.5  | 29.3   |
| 138       | 21.3  | 17.7  | 26.5   |

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