

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080217\  
 Data File : BE093646.D  
 Acq On : 3 Aug 2017 3:20  
 Operator : SJ/JU  
 Sample : PB100998BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB100998BS

Manual Integrations  
 APPROVED

Sohil  
 8/3/2017 6:07:04 PM

Quant Time: Aug 03 04:26:57 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080117.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 02 10:58:31 2017

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 2510     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.71 | 136  | 10592    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.52 | 164  | 5033     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 13010    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 17904    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.91 | 264  | 10248    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.51  | 112 | 2847  | 0.38 | ng | 0.00  |
| 5) Phenol-d6                | 7.09  | 99  | 3760  | 0.33 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 9.06  | 82  | 3004  | 0.37 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152 | 6684  | 0.40 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 477   | 0.42 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 7281  | 0.36 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.28 | 212 | 57378 | 0.39 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.86 | 244 | 12222 | 0.38 | ng | 0.00  |

#### Target Compounds

|                                |       |     |        |       | Qvalue |       |
|--------------------------------|-------|-----|--------|-------|--------|-------|
| 2) 1,4-Dioxane                 | 3.44  | 88  | 1800   | 0.442 | ng     | # 53  |
| 3) n-Nitrosodimethylamine      | 3.74  | 42  | 1769   | 0.464 | ng     | # 81  |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93  | 4004   | 0.423 | ng     | # 87  |
| 9) Naphthalene                 | 10.76 | 128 | 38275  | 0.312 | ng     | 99    |
| 10) Hexachlorobutadiene        | 11.04 | 225 | 1485   | 0.327 | ng     | 99    |
| 12) 2-Methylnaphthalene        | 12.36 | 142 | 6288   | 0.310 | ng     | 98    |
| 16) Acenaphthylene             | 14.24 | 152 | 7447   | 0.310 | ng     | # 88  |
| 17) Acenaphthene               | 14.58 | 154 | 5637   | 0.332 | ng     | 99    |
| 18) Fluorene                   | 15.56 | 166 | 7168   | 0.316 | ng     | # 88  |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 1310   | 0.310 | ng     | # 98  |
| 21) Hexachlorobenzene          | 16.58 | 284 | 1252   | 0.300 | ng     | # 100 |
| 22) Pentachlorophenol          | 16.91 | 266 | 1932   | 0.911 | ng     | 95    |
| 23) Phenanthrene               | 17.27 | 178 | 8914m  | 0.312 | ng     |       |
| 24) Anthracene                 | 17.37 | 178 | 13166m | 0.337 | ng     |       |
| 26) Fluoranthene               | 19.30 | 202 | 17343  | 0.381 | ng     | 99    |
| 28) Pyrene                     | 19.66 | 202 | 16606  | 0.287 | ng     | # 98  |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 18459  | 0.351 | ng     | 95    |
| 31) Chrysene                   | 21.45 | 228 | 19221  | 0.328 | ng     | 95    |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 35318  | 0.492 | ng     | 98    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276 | 17297  | 0.325 | ng     | 94    |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 18210  | 0.498 | ng     | # 96  |
| 36) Benzo(k)fluoranthene       | 23.19 | 252 | 17814  | 0.477 | ng     | 96    |
| 37) Benzo(a)pyrene             | 23.80 | 252 | 13199  | 0.398 | ng     | 96    |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278 | 15976  | 0.500 | ng     | # 91  |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276 | 14219  | 0.438 | ng     | 93    |

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

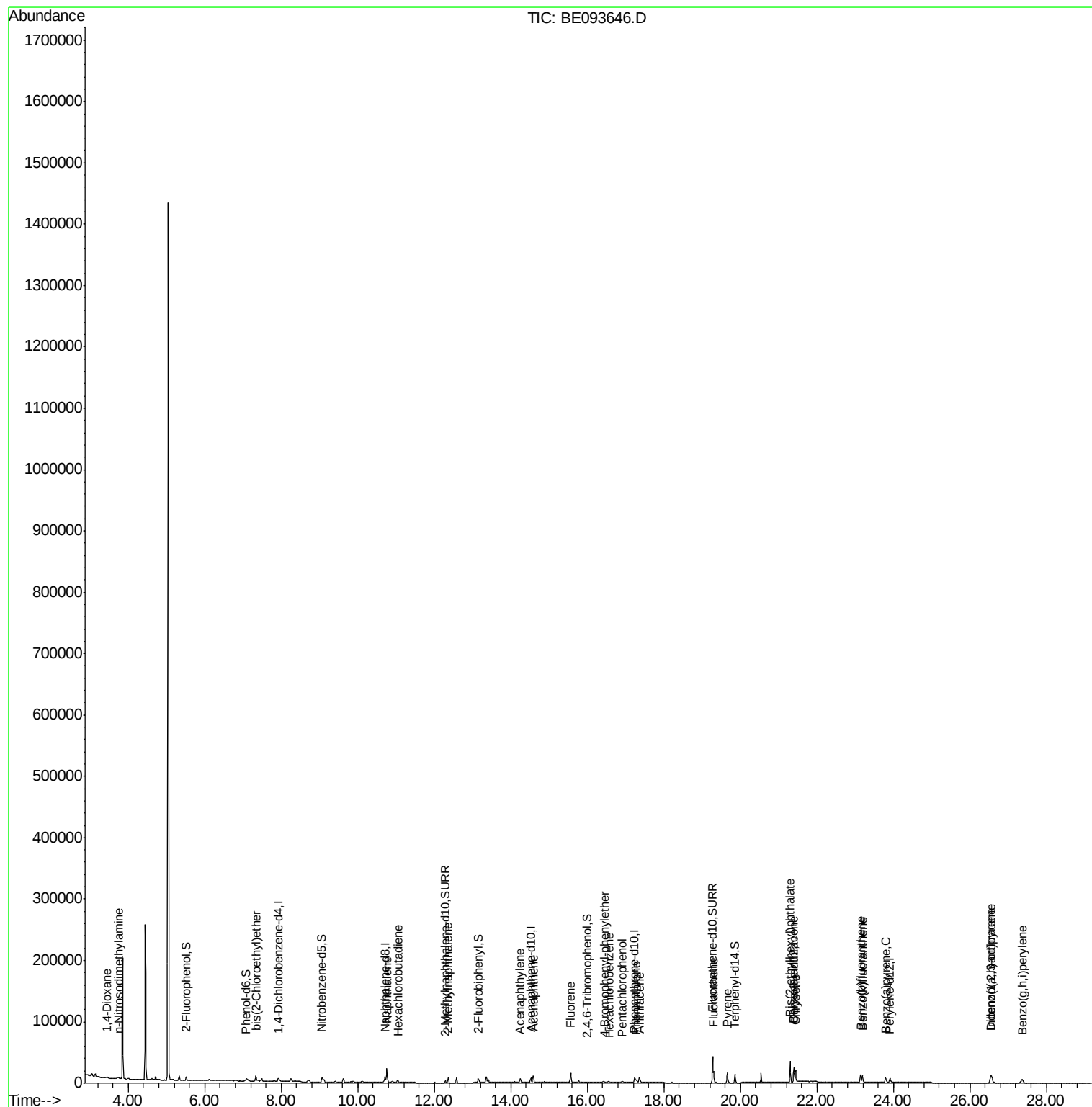
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080217\  
Data File : BE093646.D  
Acq On : 3 Aug 2017 3:20  
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BNA\_E  
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PB100998BS

Manual Integrations  
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8/3/2017 6:07:04 PM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 02 10:58:31 2017  
Response via : Initial Calibration





#1

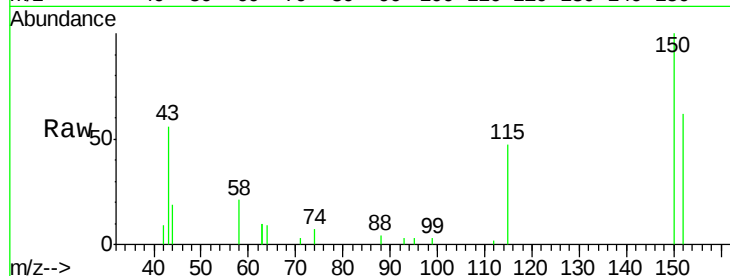
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. -0.01 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

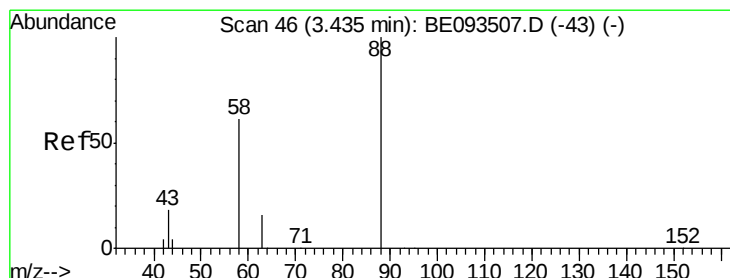
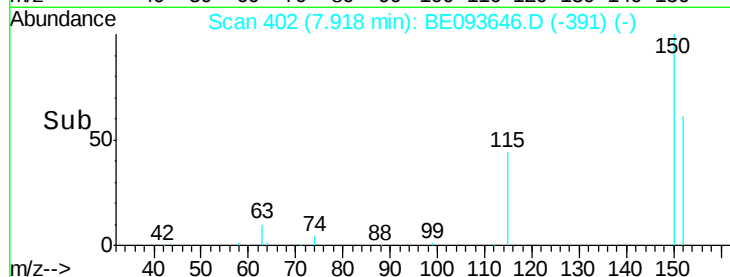
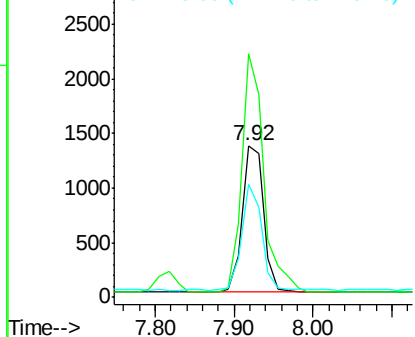
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 125.1 | 187.7 |
| 115     | 74.9  | 55.7  | 83.5  |

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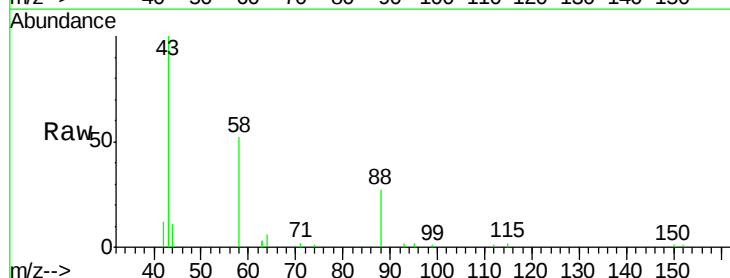
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



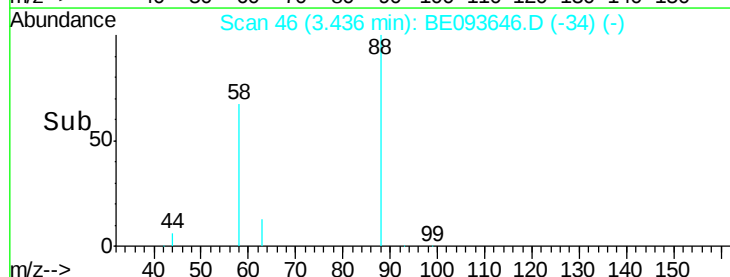
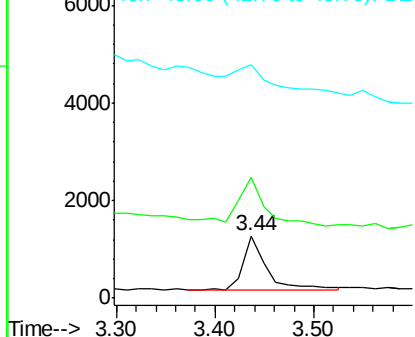
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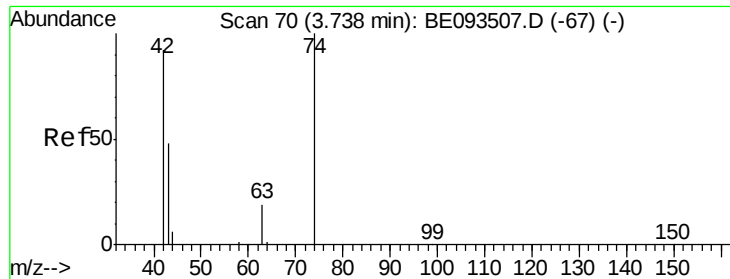
1,4-Dioxane  
Concen: 0.442 ng  
RT: 3.44 min Scan# 46  
Delta R.T. 0.00 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 105.6 | 62.2  | 93.4# |
| 43      | 76.5  | 23.2  | 34.8# |



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

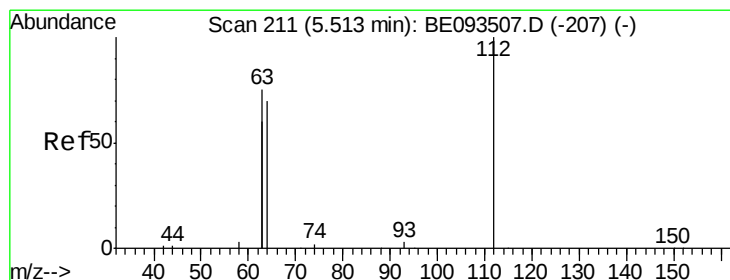
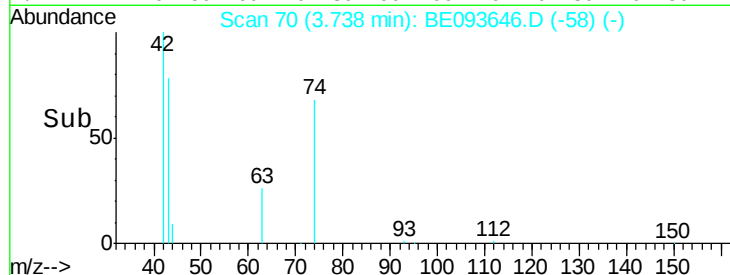
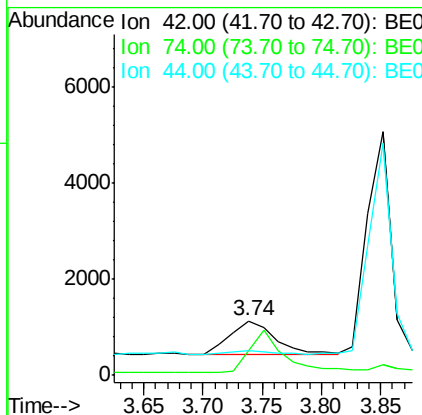
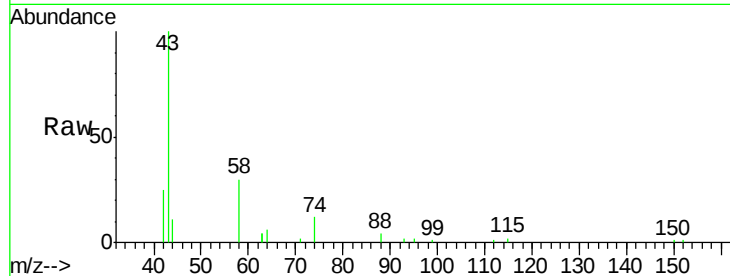
n-Nitrosodimethylamine  
 Concen: 0.464 ng  
 RT: 3.74 min Scan# 70  
 Delta R.T. 0.00 min  
 Lab File: BE093646.D  
 Acq: 3 Aug 2017 3:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB100998BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 101.4 | 99.1  | 148.7 |
| 44      | 11.9  | 7.4   | 11.2# |

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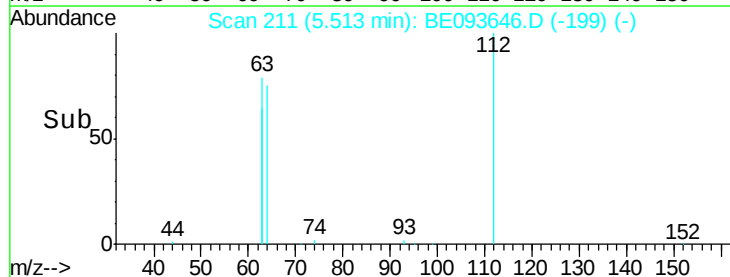
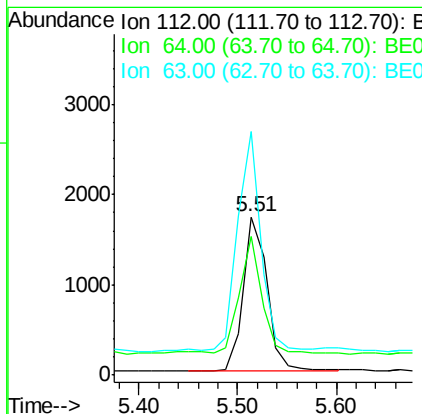
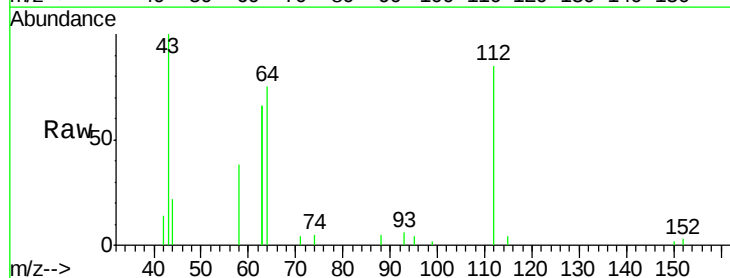
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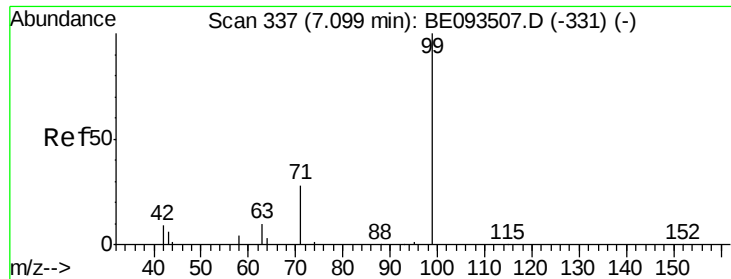


#4

2-Fluorophenol  
 Concen: 0.381 ng  
 RT: 5.51 min Scan# 211  
 Delta R.T. 0.00 min  
 Lab File: BE093646.D  
 Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.5  | 56.4  | 84.6  |
| 63      | 140.3 | 29.3  | 43.9# |





#5

Phenol-d6

Concen: 0.334 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

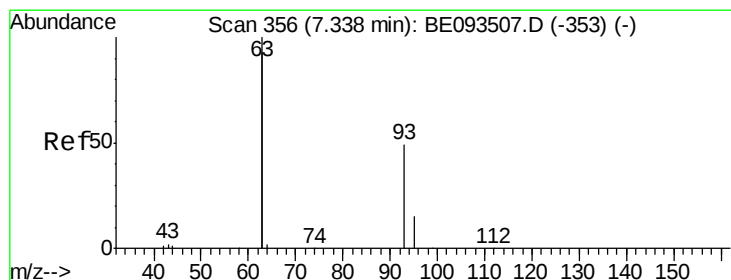
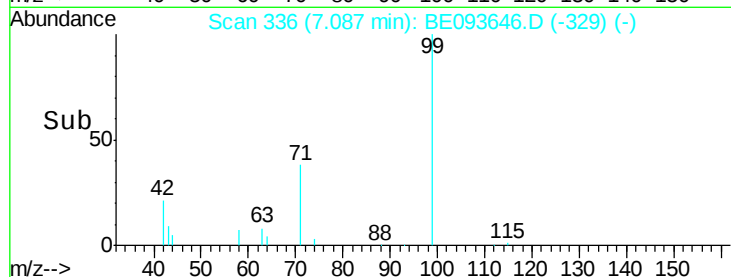
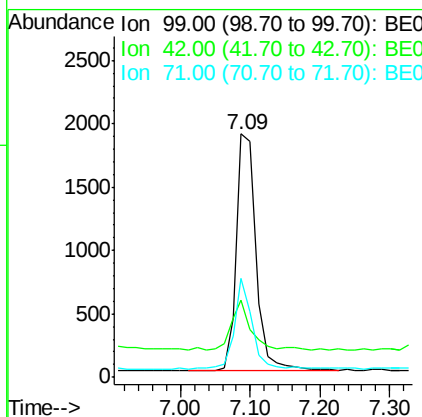
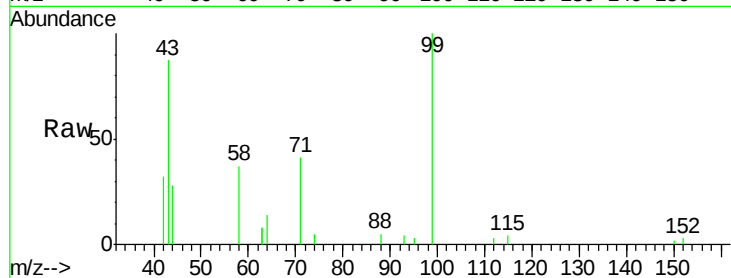
ClientSampleId :

PB100998BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 3760  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 21.9  | 0.0   | 0.0#  |
| 71       | 34.8  | 0.0   | 0.0#  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.423 ng

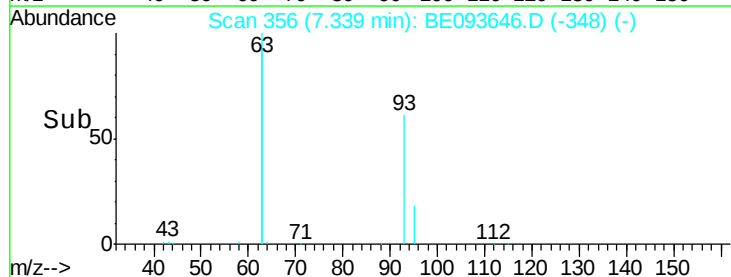
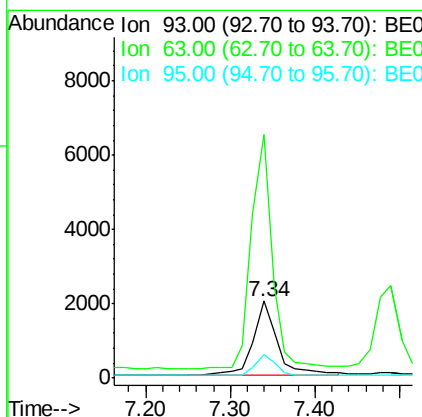
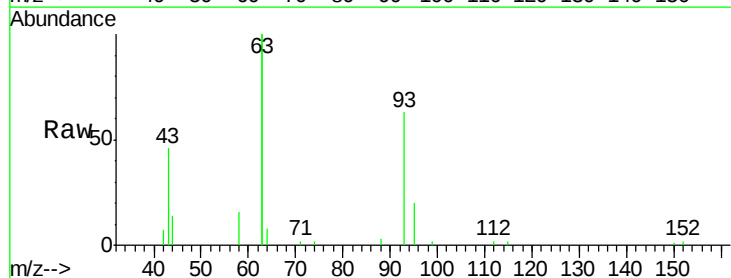
RT: 7.34 min Scan# 356

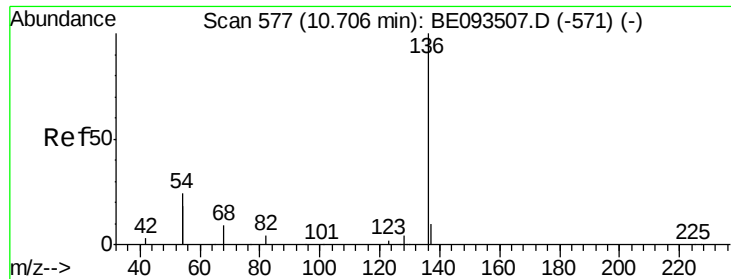
Delta R.T. 0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4004  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 273.7 | 0.0   | 0.0#  |
| 95       | 24.3  | 25.4  | 38.0# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

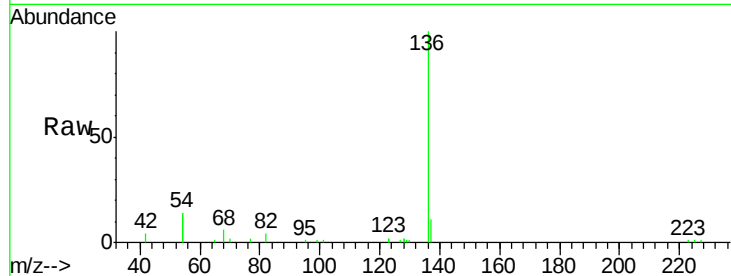
ClientSampleId :

PB100998BS

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 11.3  | 9.8        | 14.8  |
| 54      | 27.4  | 10.3       | 15.5# |
| 68      | 6.3   | 9.0        | 13.4# |

Manual Integrations  
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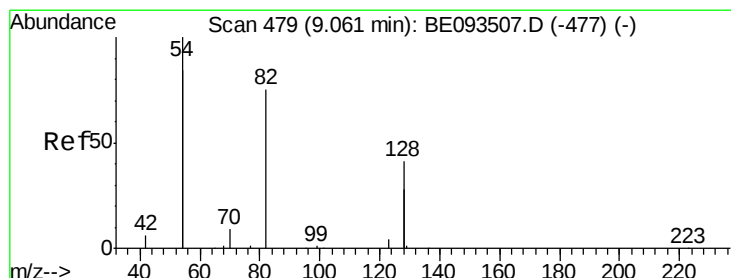
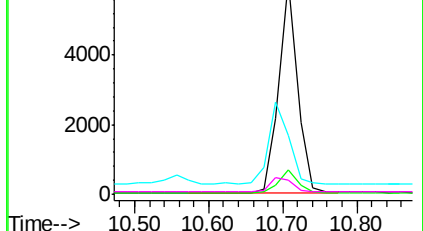
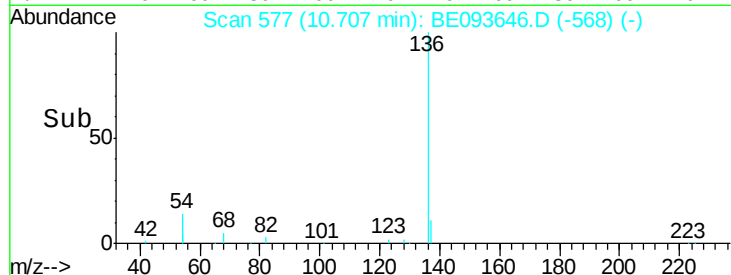


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.372 ng

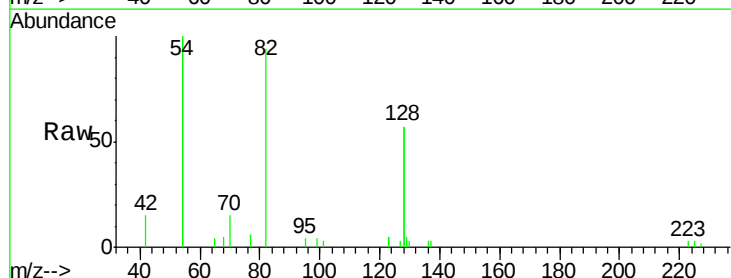
RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

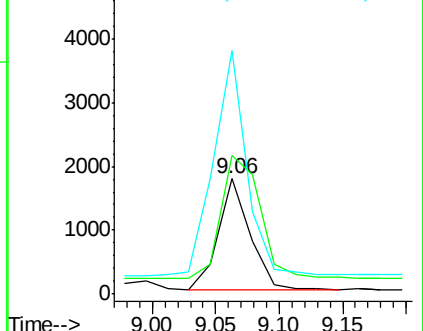
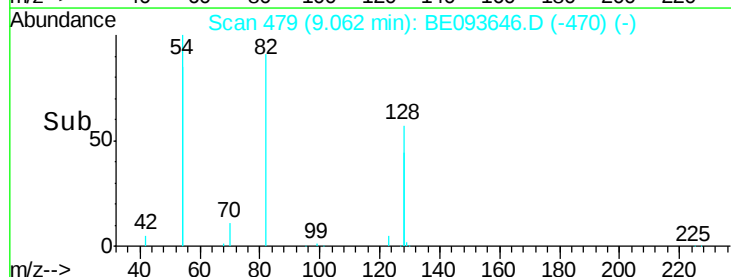
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 128     | 120.4 | 17.0       | 25.4# |
| 54      | 211.7 | 53.8       | 80.6# |

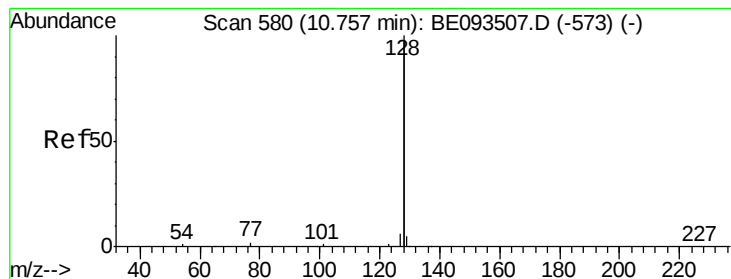


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.312 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

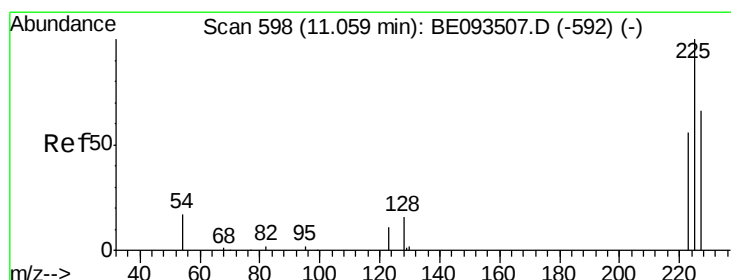
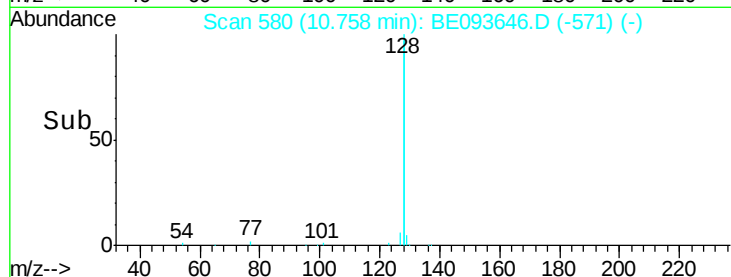
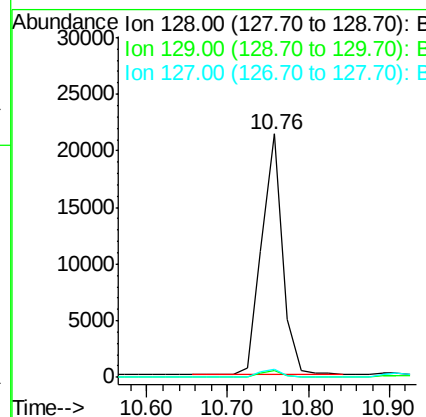
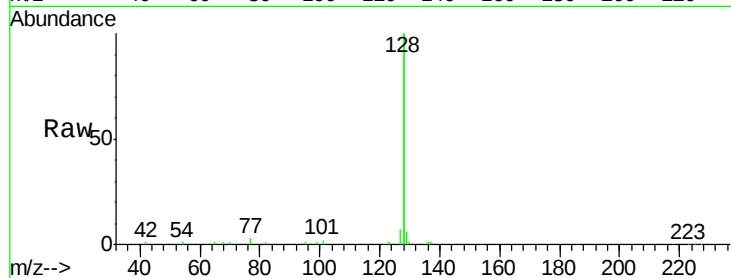
ClientSampleId :

PB100998BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 38275 |       |       |
| 129     | 2.9   |       | 2.4   | 3.6   |
| 127     | 3.5   |       | 2.4   | 3.6   |

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#10

Hexachlorobutadiene

Concen: 0.327 ng

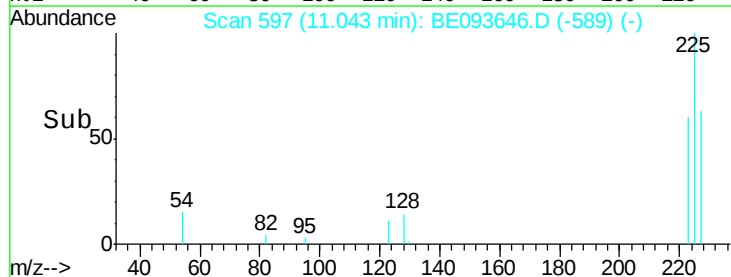
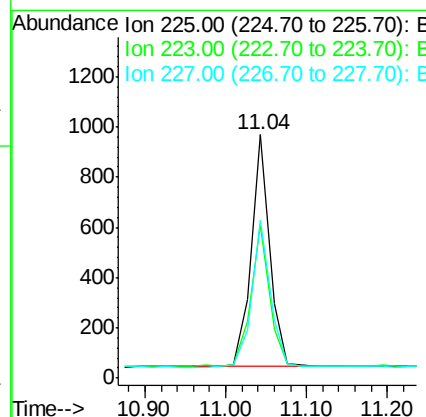
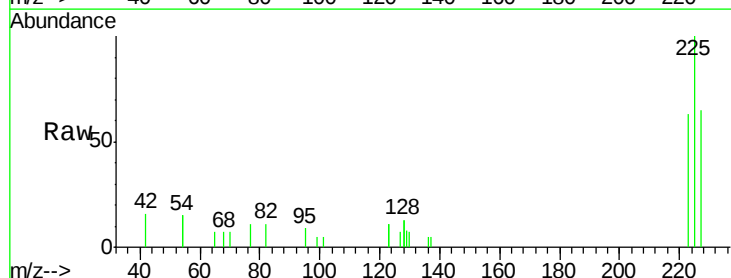
RT: 11.04 min Scan# 597

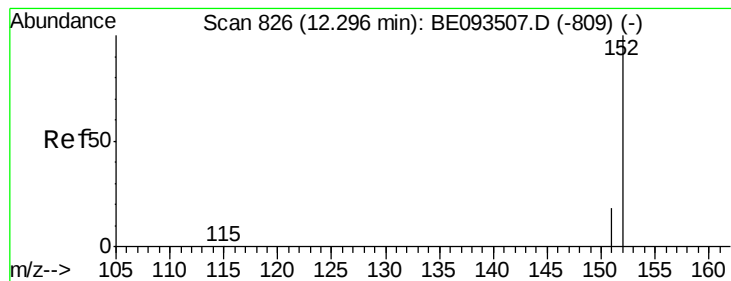
Delta R.T. -0.02 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   | 1485 |       |       |
| 223     | 60.9  |      | 49.7  | 74.5  |
| 227     | 63.7  |      | 50.3  | 75.5  |





#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

Tgt Ion:152 Resp: 6684

Ion Ratio Lower Upper

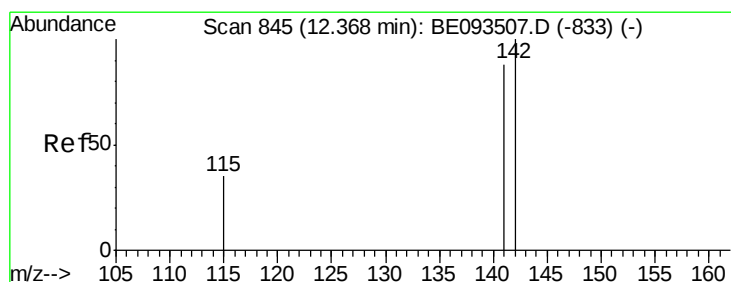
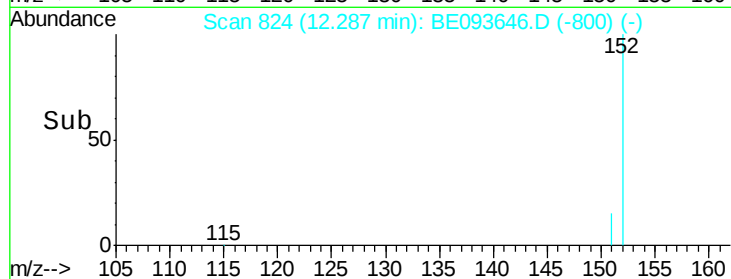
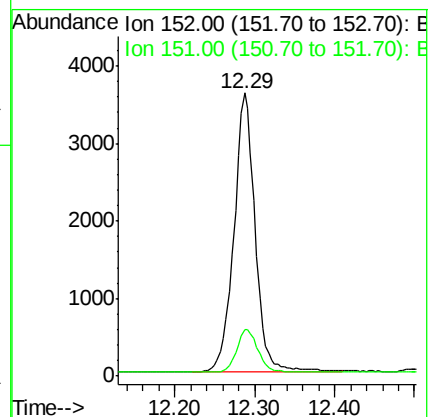
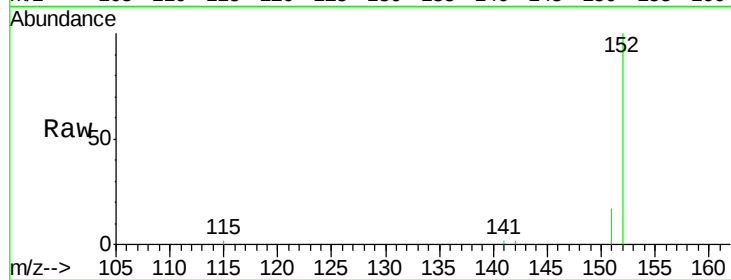
152 100

151 15.2 15.1 22.7

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#12

2-Methylnaphthalene

Concen: 0.310 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

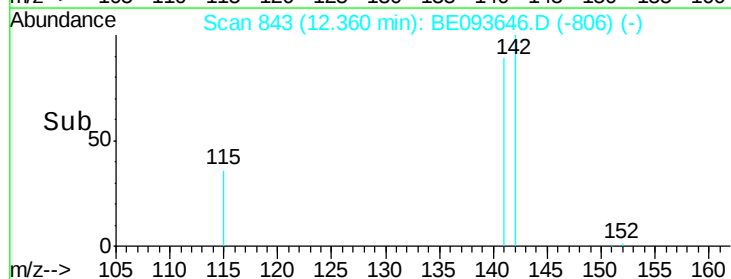
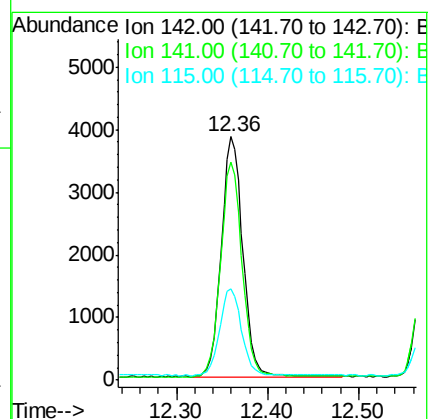
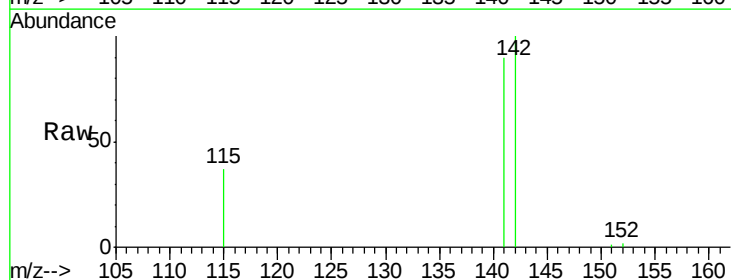
Tgt Ion:142 Resp: 6288

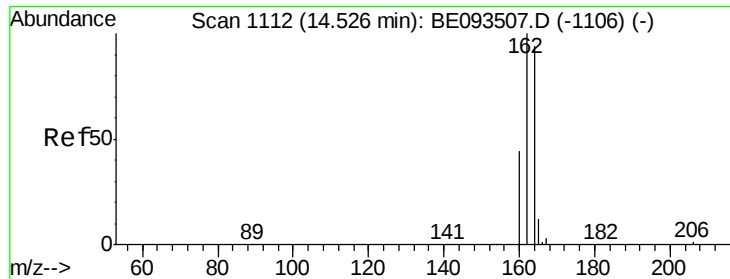
Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8

115 37.3 32.2 48.2





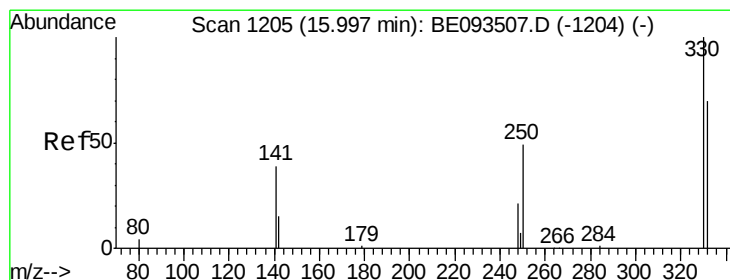
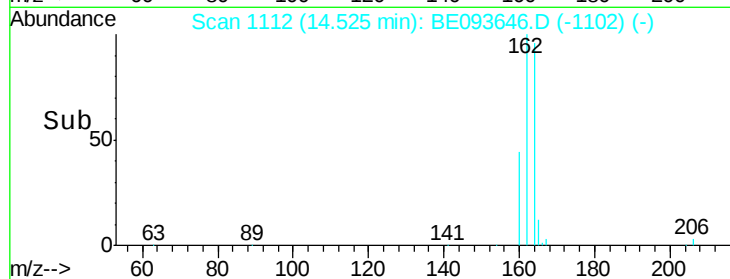
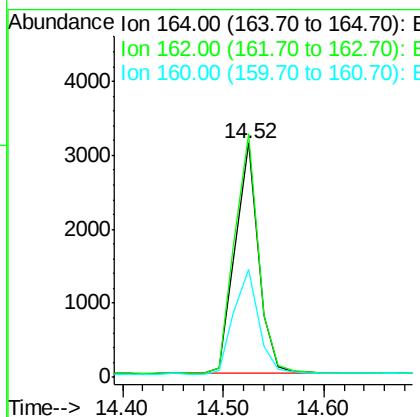
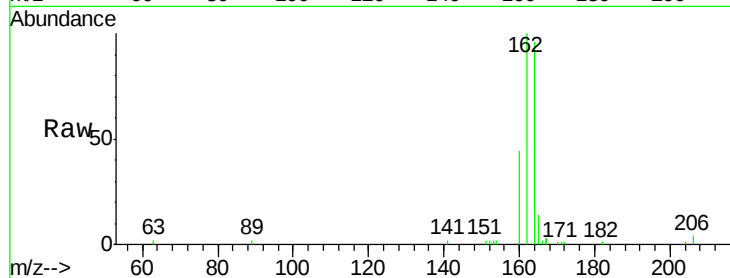
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.52 min Scan# 1112  
 Delta R.T. -0.00 min  
 Lab File: BE093646.D  
 Acq: 3 Aug 2017 3:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB100998BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 84.6  | 127.0 |
| 160     | 46.1  | 41.8  | 62.6  |

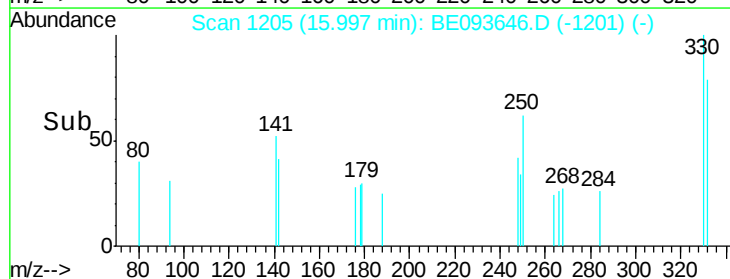
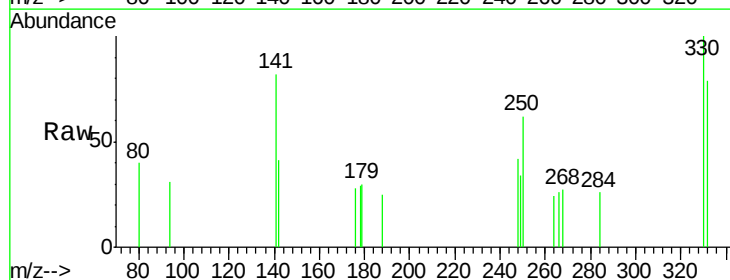
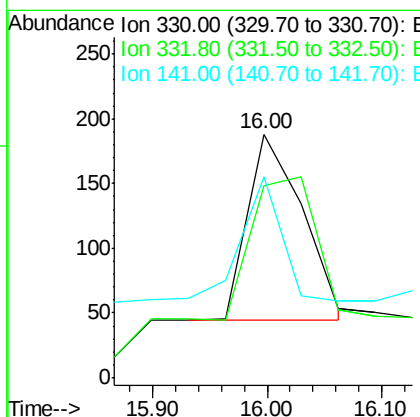
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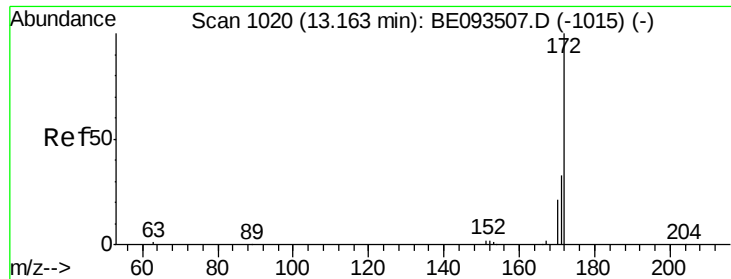
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#14  
 2,4,6-Tribromophenol  
 Concen: 0.423 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BE093646.D  
 Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 0.0   | 77.7  | 116.5# |
| 141     | 47.6  | 56.2  | 84.4#  |





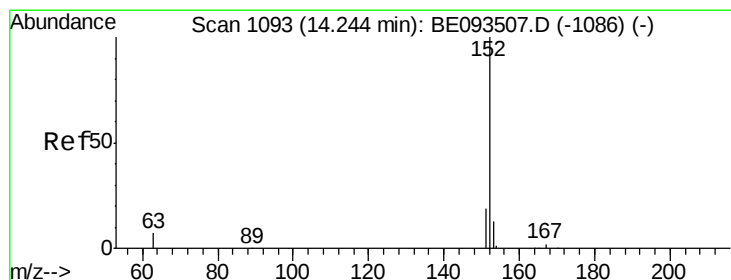
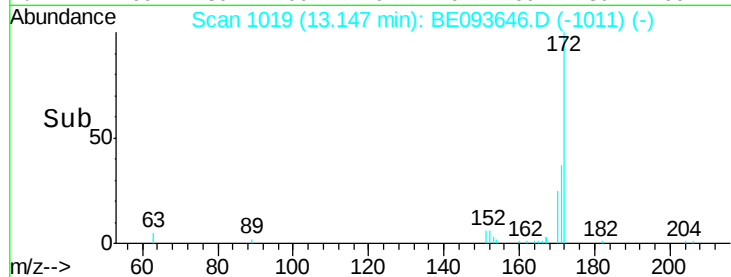
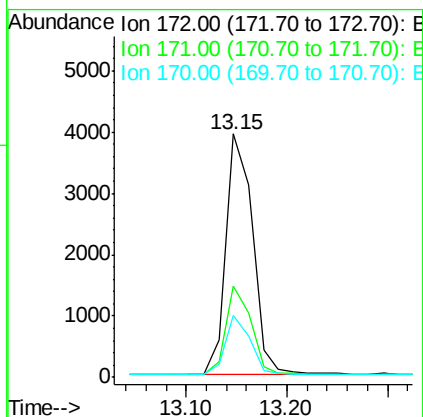
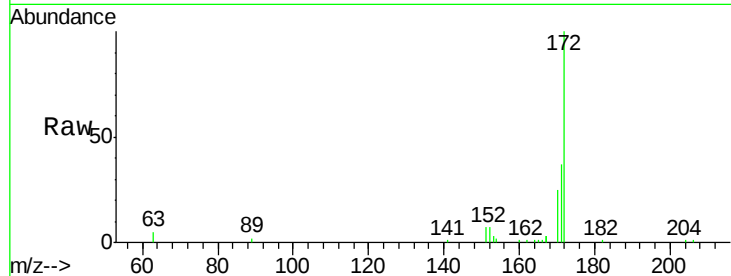
#15  
2-Fluorobiphenyl  
Concen: 0.361 ng  
RT: 13.15 min Scan# 1019  
Delta R.T. -0.02 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.8  | 44.6  |
| 170     | 25.3  | 20.7  | 31.1  |

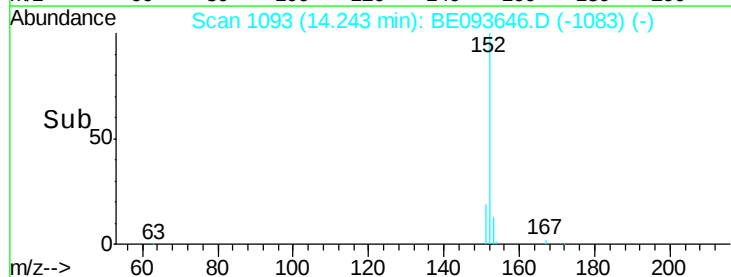
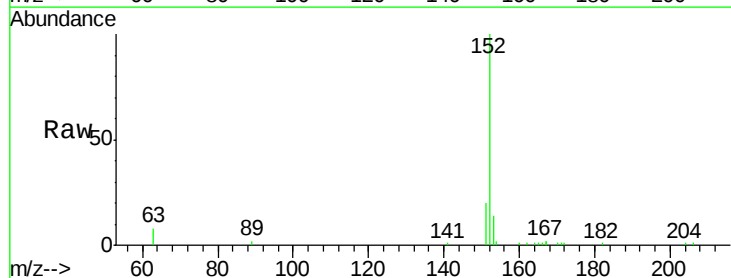
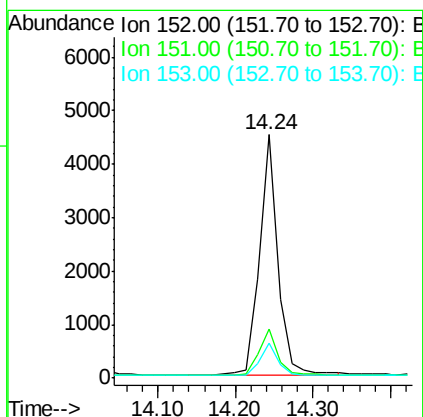
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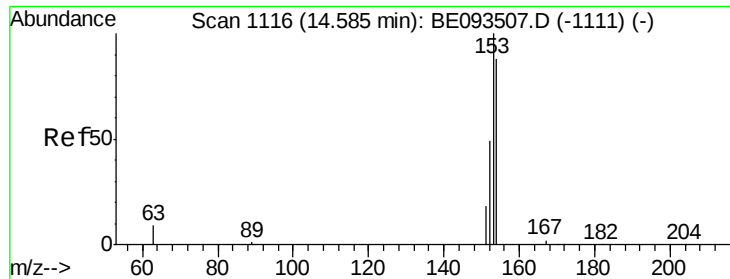
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#16  
Acenaphthylene  
Concen: 0.310 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 4.0   | 6.0#  |
| 153     | 12.7  | 10.3  | 15.5  |





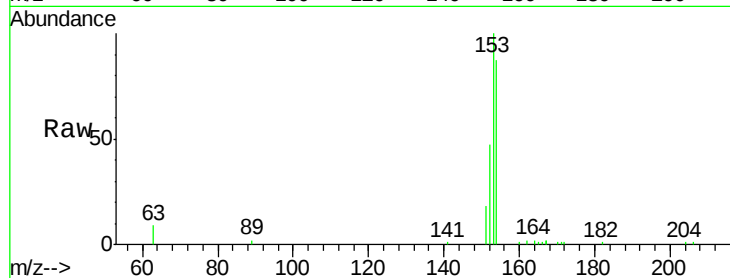
#17  
Acenaphthene  
Concen: 0.332 ng  
RT: 14.58 min Scan# 1116  
Delta R.T. -0.00 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

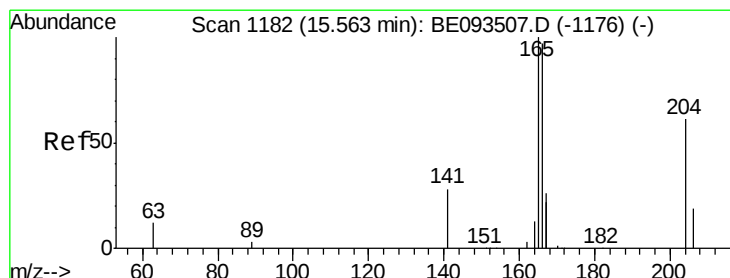
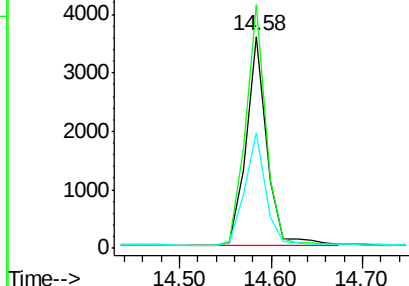
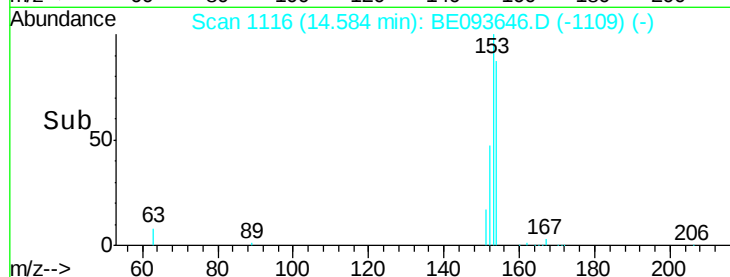
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.1 | 91.2  | 136.8 |
| 152     | 54.1  | 44.8  | 67.2  |

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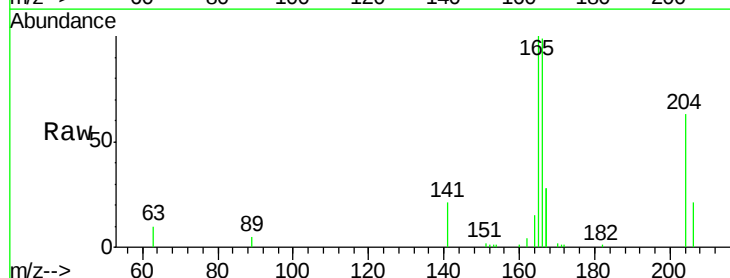


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

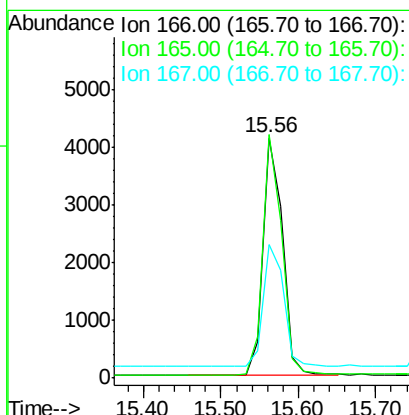
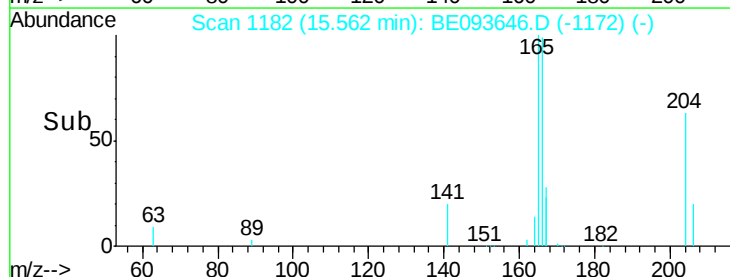


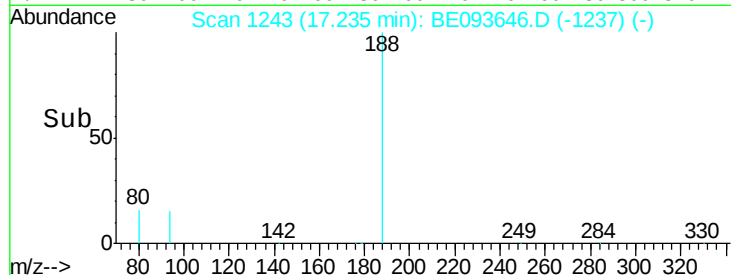
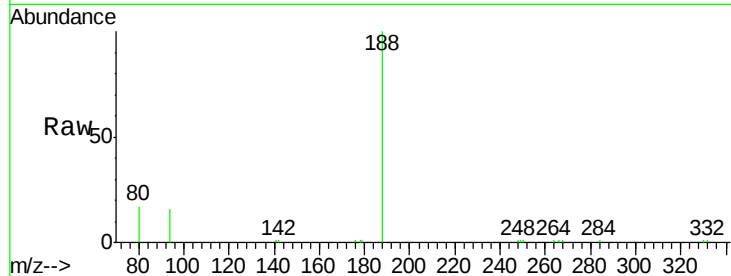
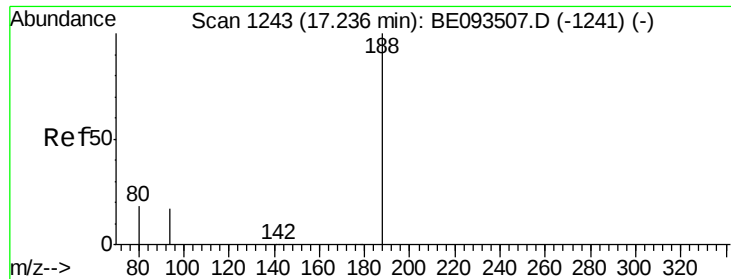
#18  
Fluorene  
Concen: 0.316 ng  
RT: 15.56 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.2  | 78.6  | 117.8 |
| 167     | 54.5  | 11.1  | 16.7# |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 13010 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 16.0  | 11.3  | 16.9  |
| 80        | 16.7  | 11.7  | 17.5  |

Instrument :

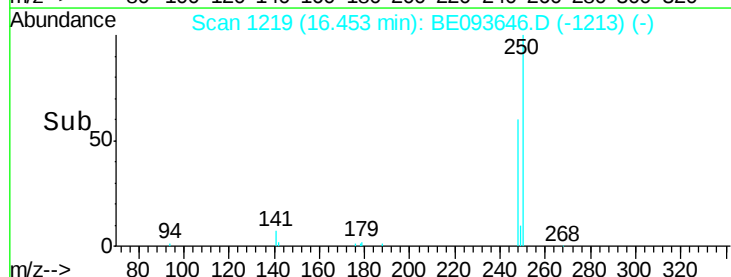
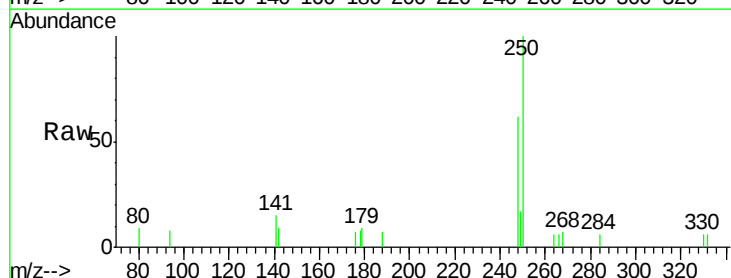
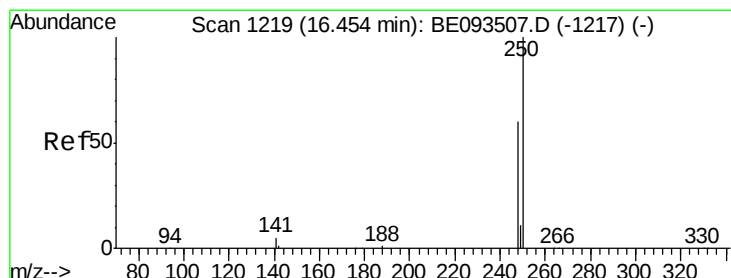
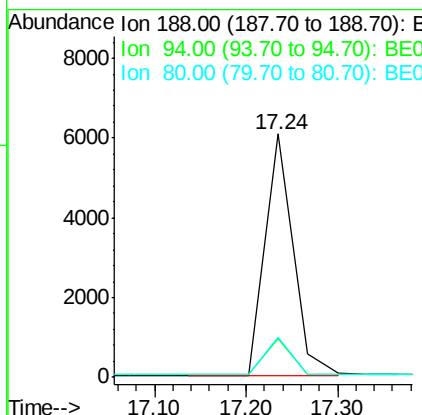
BNA\_E

ClientSampleId :

PB100998BS

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#20

4-Bromophenyl-phenylether

Concen: 0.310 ng

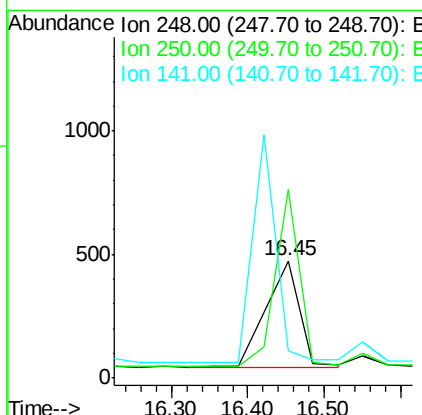
RT: 16.45 min Scan# 1219

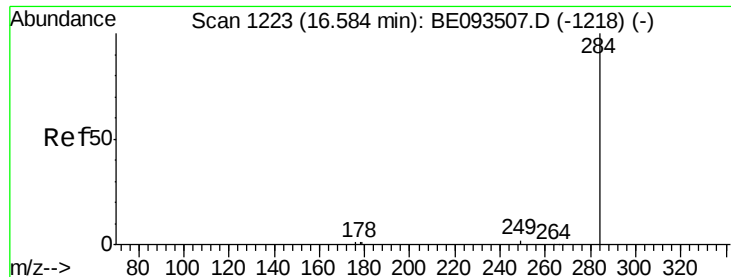
Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 1310  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 160.4 | 128.0 | 192.0 |
| 141       | 23.6  | 12.0  | 18.0# |





#21

Hexachlorobenzene

Concen: 0.300 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

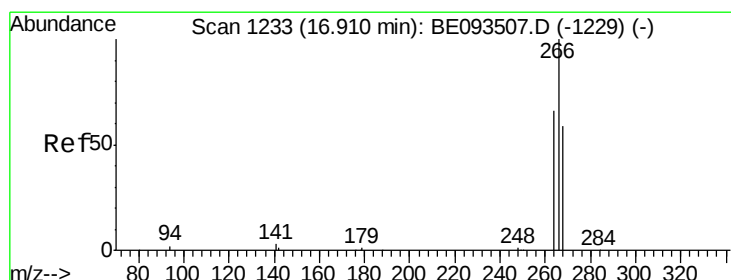
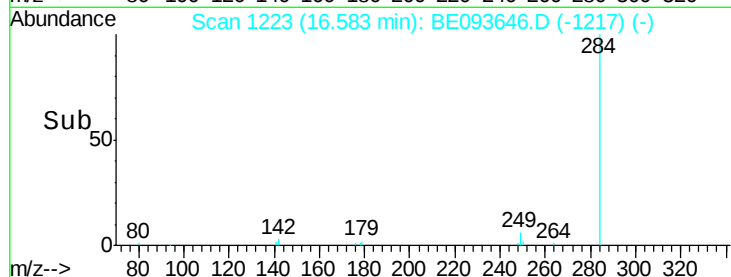
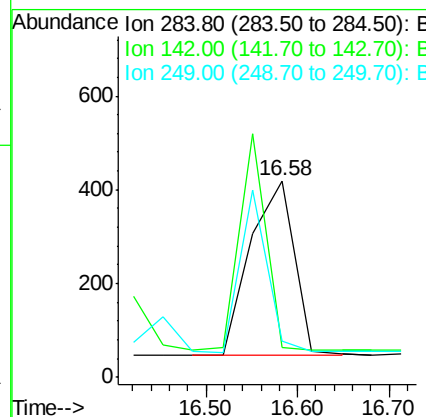
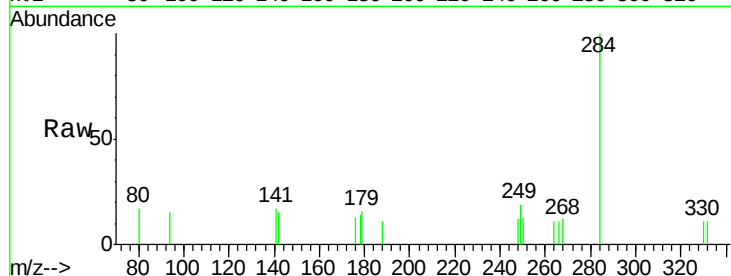
ClientSampleId :

PB100998BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 1252 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 0.0   | 0.0   | 0.0  |

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#22

Pentachlorophenol

Concen: 0.911 ng

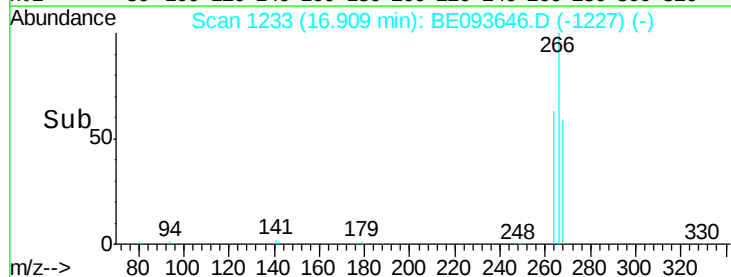
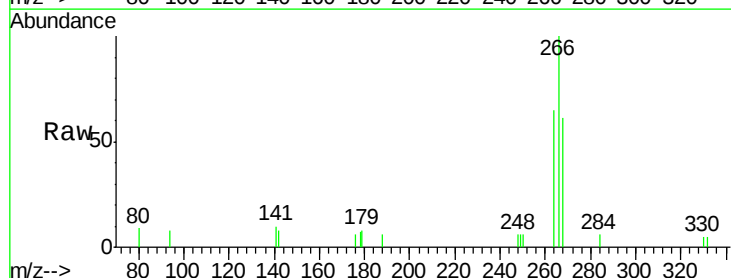
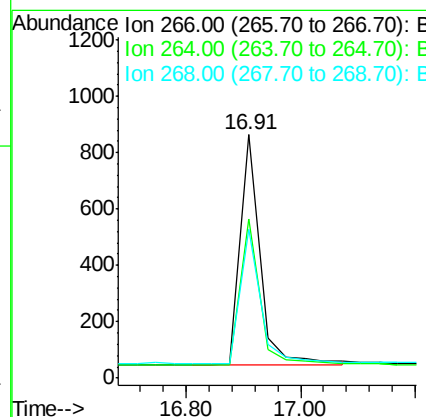
RT: 16.91 min Scan# 1233

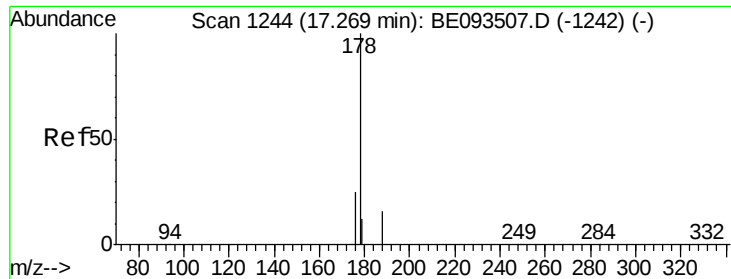
Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1932 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 65.2  | 56.0  | 84.0 |
| 268       | 61.3  | 52.0  | 78.0 |





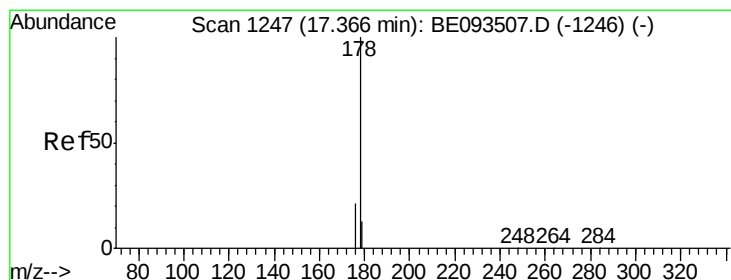
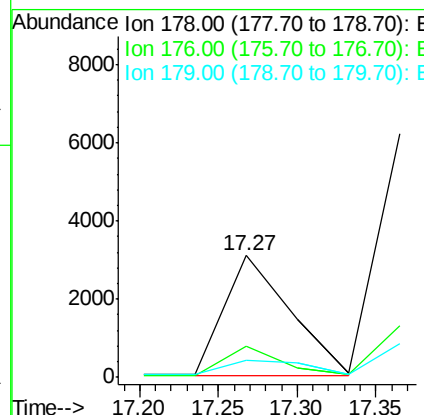
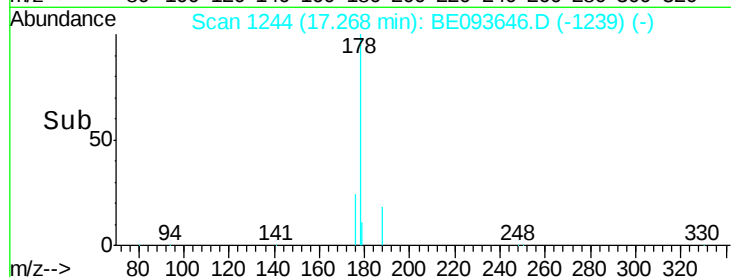
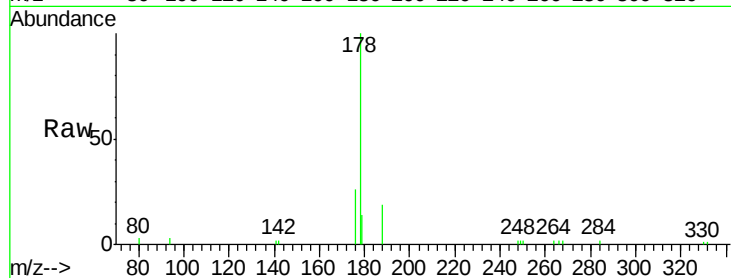
#23  
Phenanthrene  
Concen: 0.312 ng m  
RT: 17.27 min Scan# 1244  
Delta R.T. -0.00 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 0.0   | 15.0  | 22.4# |
| 179     | 0.0   | 12.7  | 19.1# |

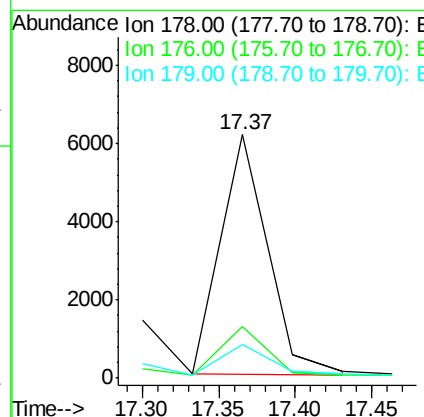
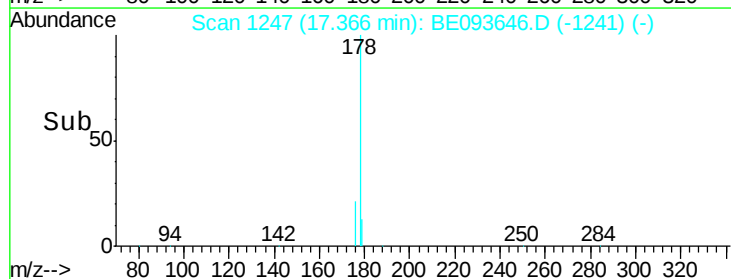
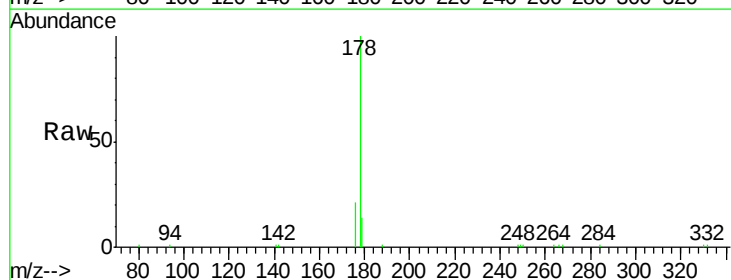
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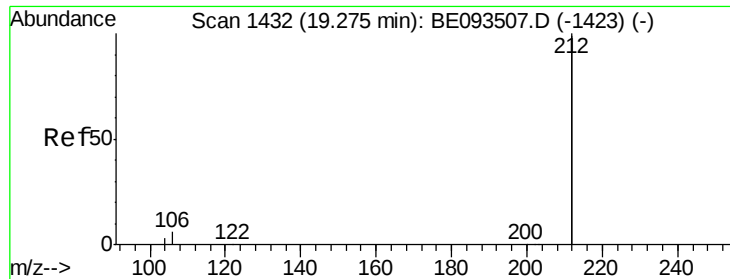
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#24  
Anthracene  
Concen: 0.337 ng m  
RT: 17.37 min Scan# 1247  
Delta R.T. -0.00 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 14.6  | 22.0  |
| 179     | 23.0  | 12.0  | 18.0# |





#25

Fluoranthene-d10

Concen: 0.388 ng

RT: 19.28 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

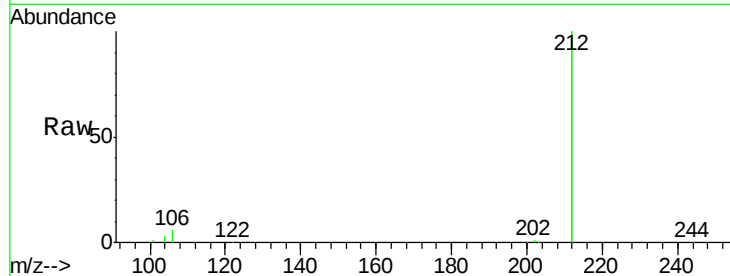
ClientSampled :

PB100998BS

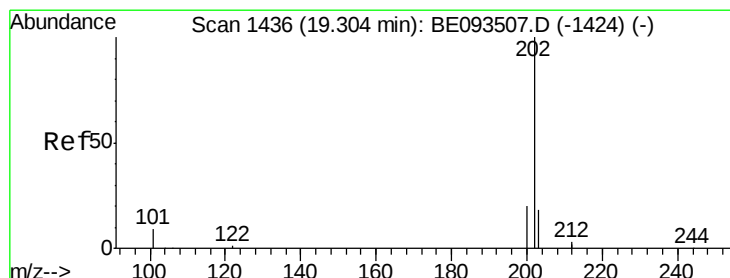
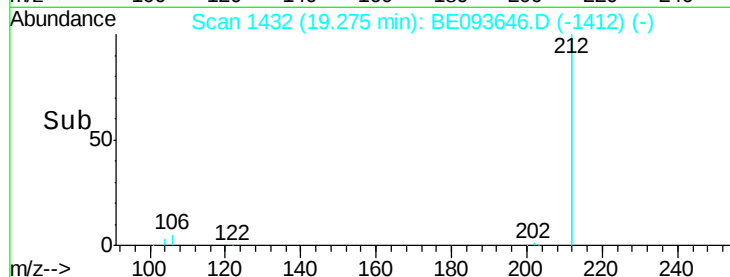
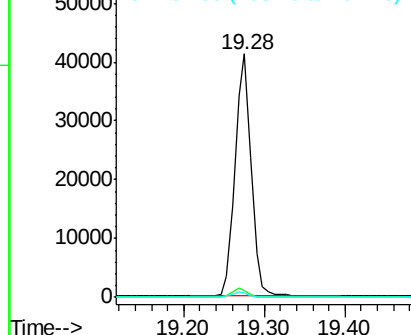
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 212     | 100   | 57378 |       |       |
| 106     | 3.4   |       | 2.4   | 3.6   |
| 104     | 2.0   |       | 1.6   | 2.4   |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.381 ng

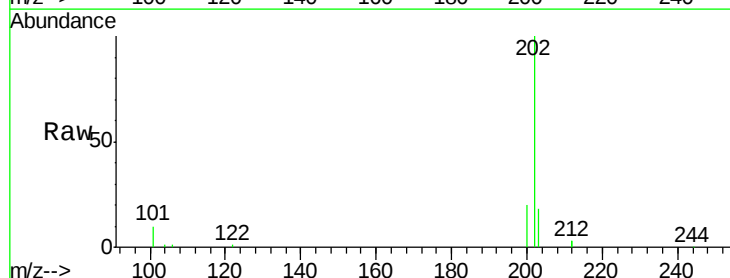
RT: 19.30 min Scan# 1436

Delta R.T. 0.00 min

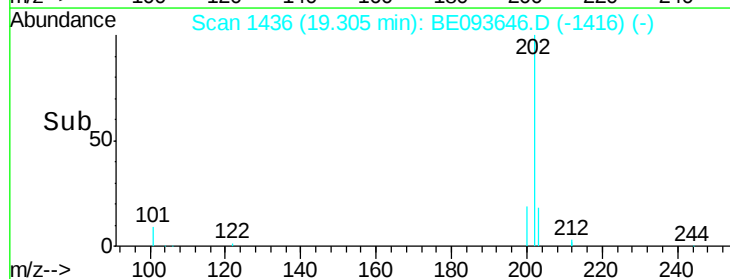
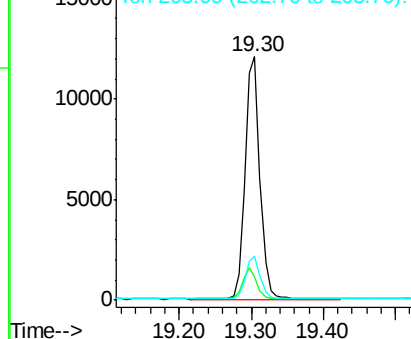
Lab File: BE093646.D

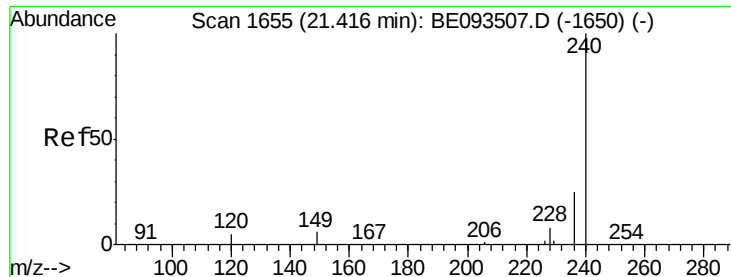
Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 17343 |       |       |
| 101     | 12.1  |       | 9.6   | 14.4  |
| 203     | 17.2  |       | 14.4  | 21.6  |



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





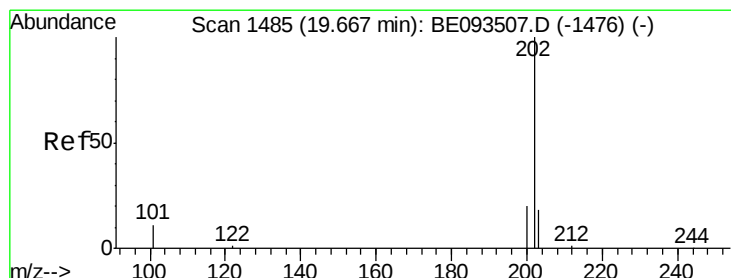
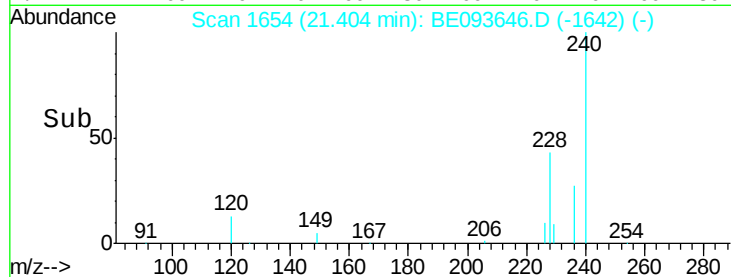
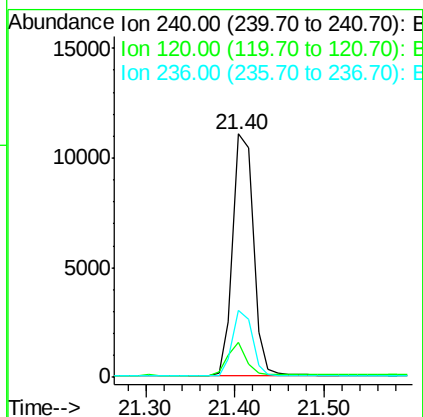
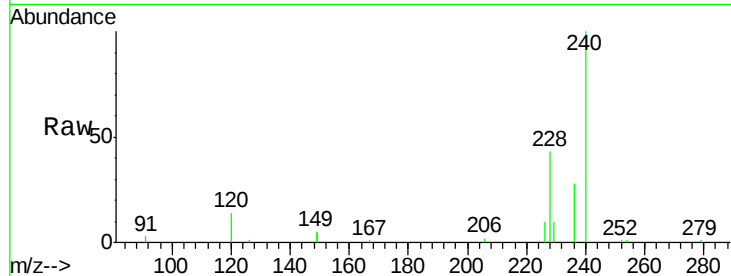
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 1654  
Delta R.T. -0.01 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB100998BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.2  | 4.6   | 7.0#  |
| 236     | 27.8  | 20.8  | 31.2  |

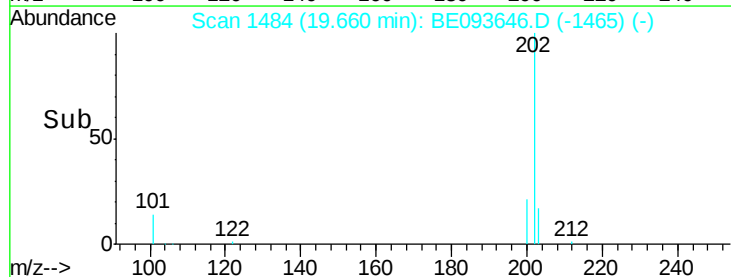
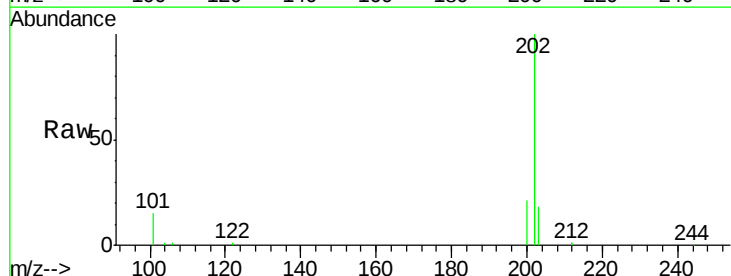
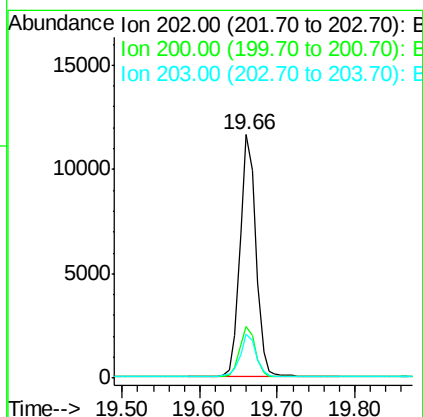
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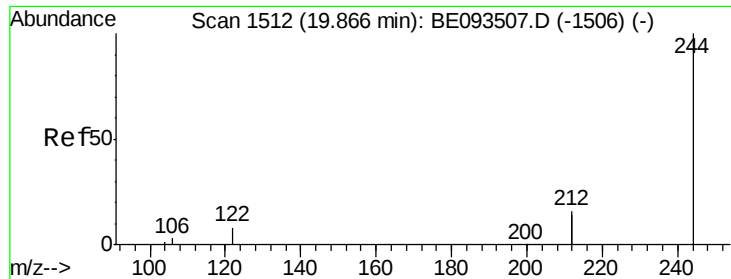
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#28  
Pyrene  
Concen: 0.287 ng  
RT: 19.66 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: BE093646.D  
Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 0.0   | 0.0#  |
| 203     | 17.9  | 13.7  | 20.5  |





#29

Terphenyl-d14

Concen: 0.380 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093646.D

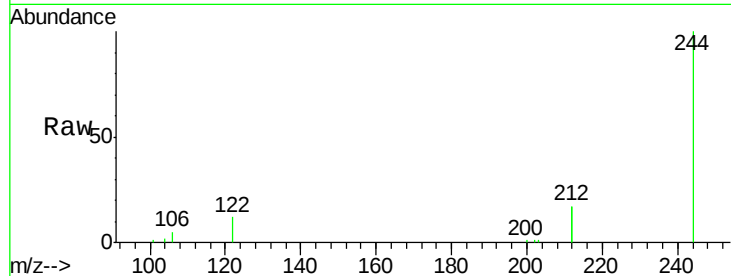
Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

ClientSampled :

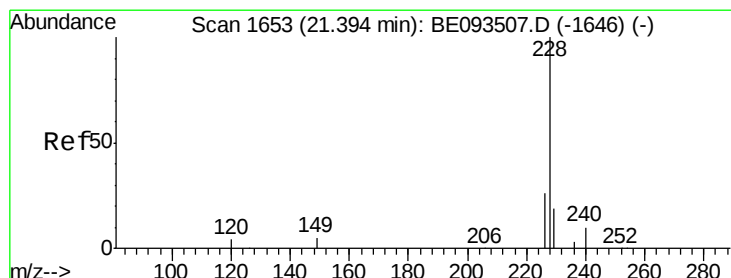
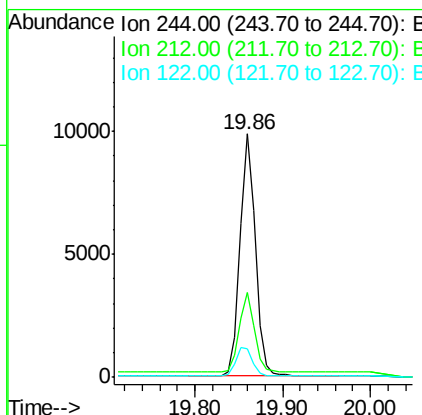
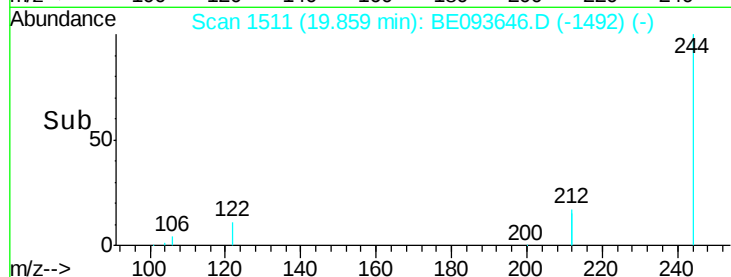
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| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 244     | 100   | 12222 |       |       |
| 212     | 34.7  | 10.6  | 16.0  | #     |
| 122     | 11.8  | 15.4  | 23.0  | #     |

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#30

Benzo(a)anthracene

Concen: 0.351 ng

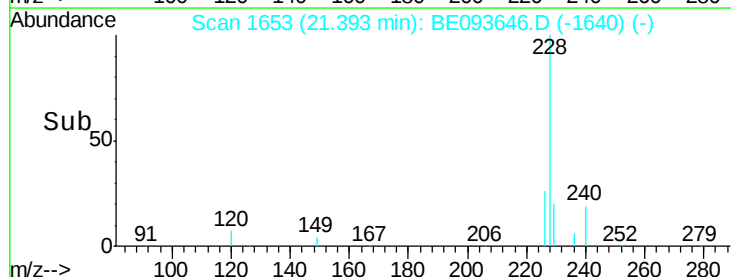
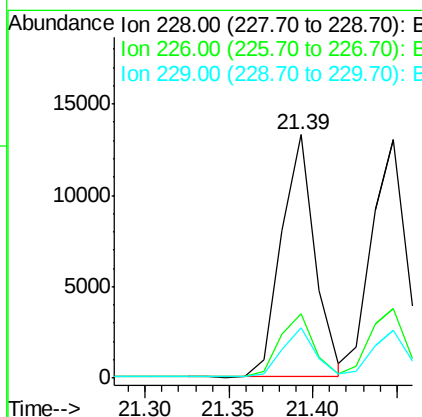
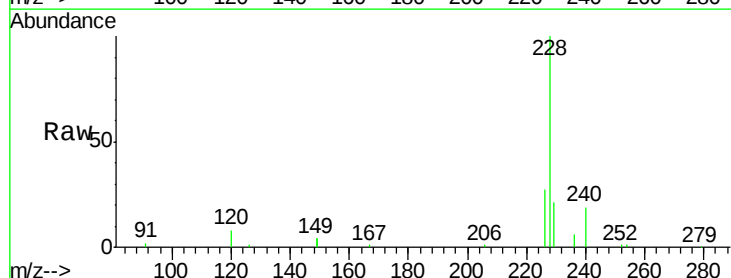
RT: 21.39 min Scan# 1653

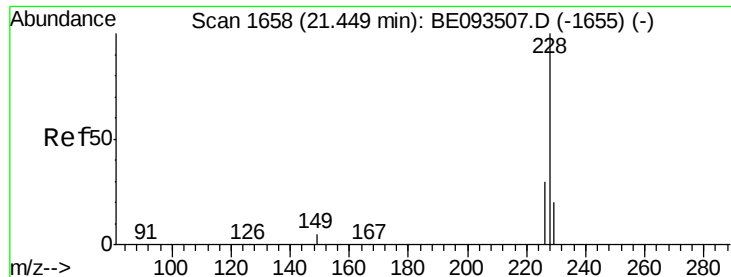
Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 228     | 100   | 18459 |       |       |
| 226     | 26.5  | 19.7  | 29.5  |       |
| 229     | 20.6  | 19.2  | 28.8  |       |





#31

Chrysene

Concen: 0.328 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

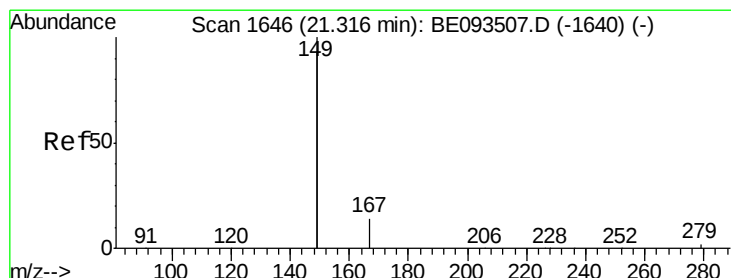
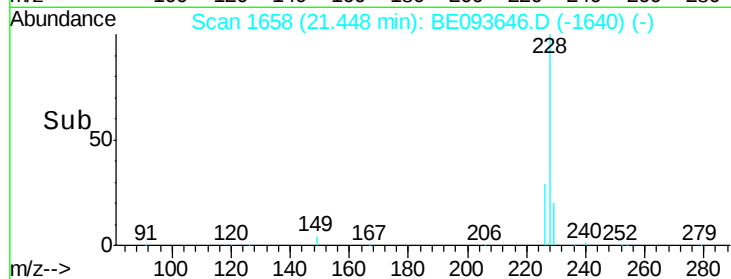
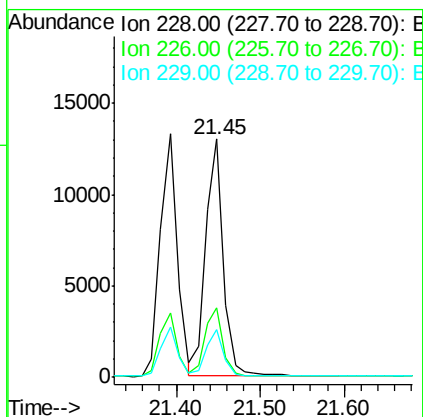
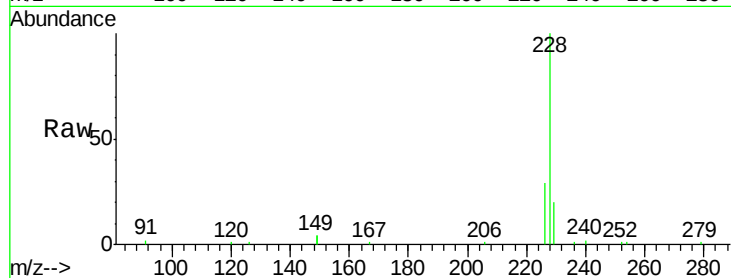
ClientSampleId :

PB100998BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 19221 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.1  | 21.5  | 32.3  |
| 229       | 20.3  | 18.6  | 28.0  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.492 ng

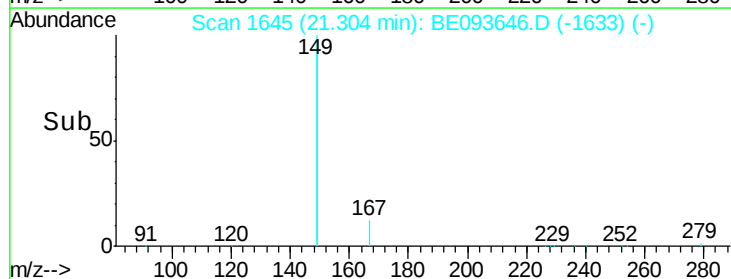
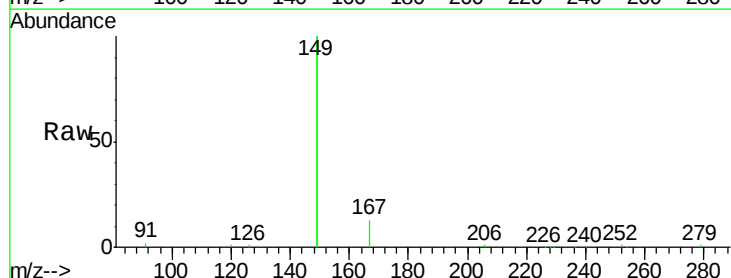
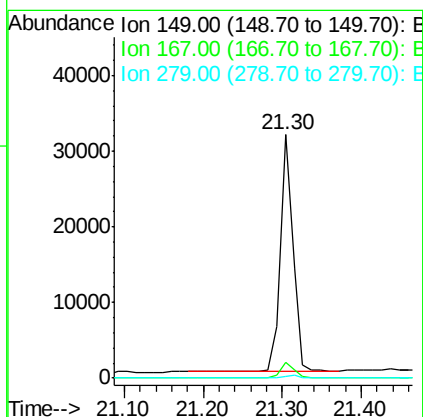
RT: 21.30 min Scan# 1645

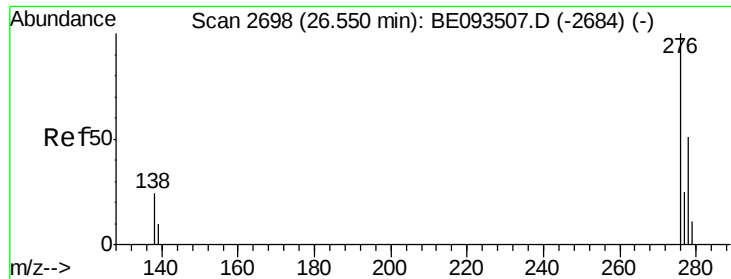
Delta R.T. -0.01 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 35318 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 6.7   | 4.8   | 7.2   |
| 279       | 0.9   | 0.8   | 1.2   |





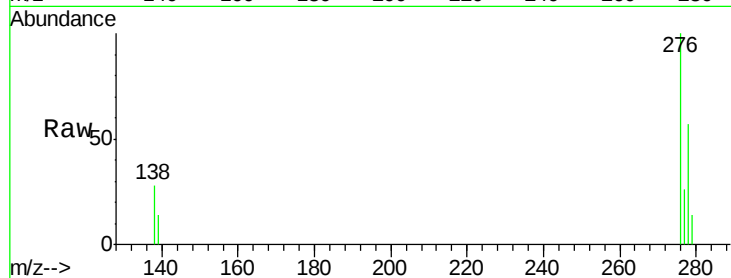
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.325 ng  
 RT: 26.55 min Scan# 2697  
 Delta R.T. -0.00 min  
 Lab File: BE093646.D  
 Acq: 3 Aug 2017 3:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB100998BS

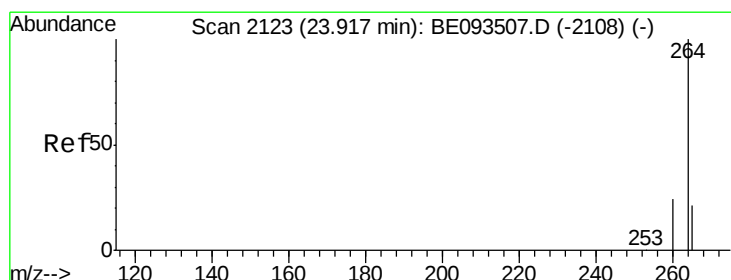
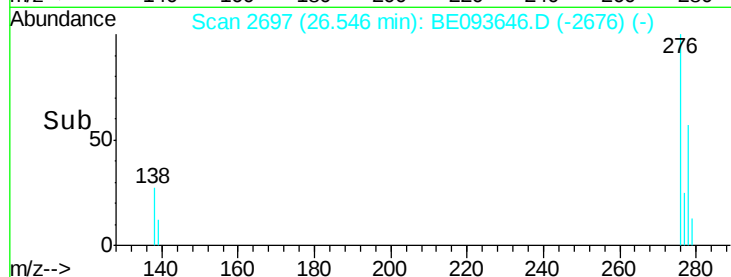
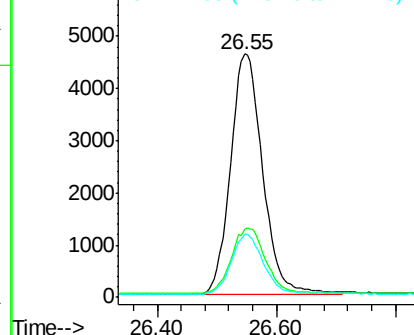
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 28.7  | 27.4       | 41.2       |
| 277     | 25.2  | 20.1       | 30.1       |

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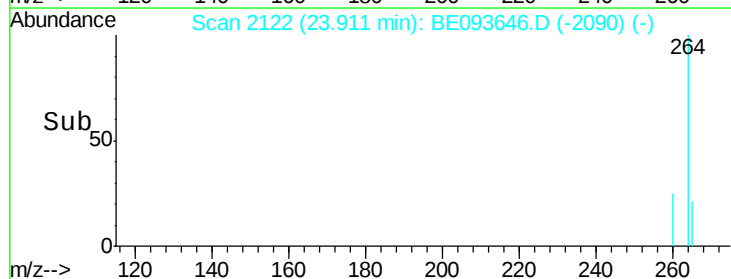
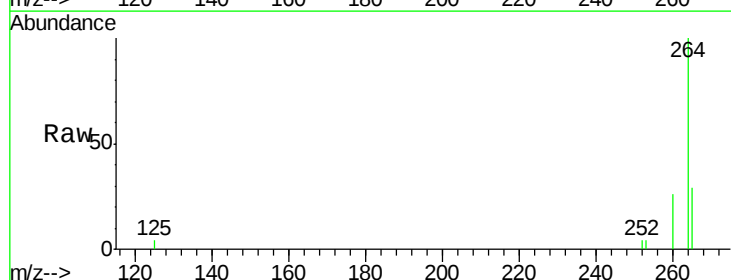
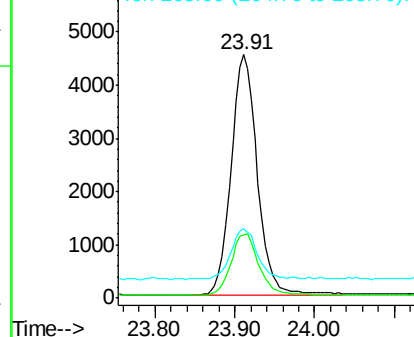
Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

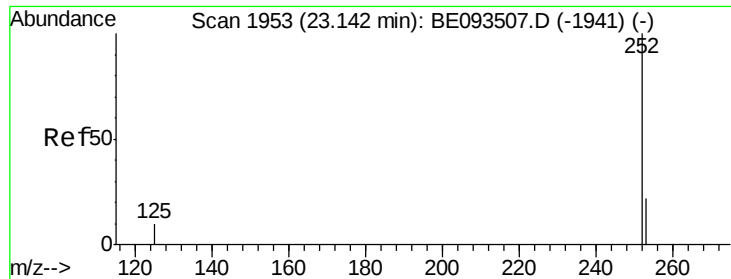


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.91 min Scan# 2122  
 Delta R.T. -0.01 min  
 Lab File: BE093646.D  
 Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 26.1  | 21.0       | 31.4       |
| 265     | 28.7  | 24.6       | 36.8       |

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





#35

Benzo(b)fluoranthene

Concen: 0.498 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

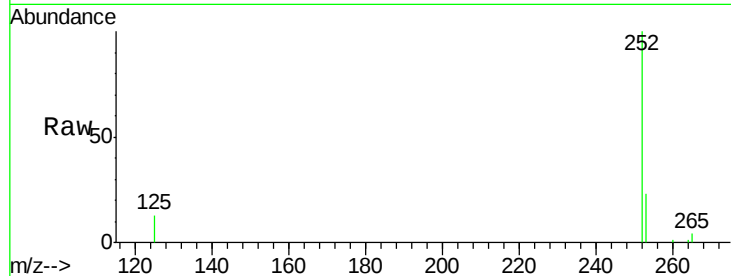
ClientSampleId :

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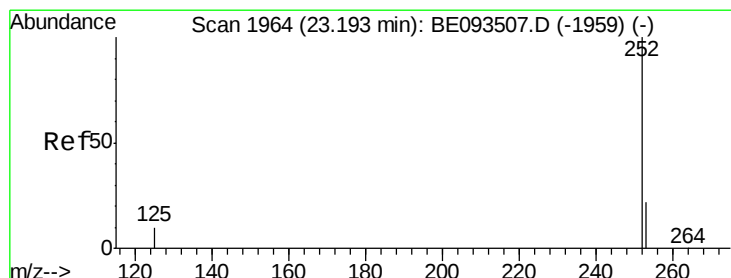
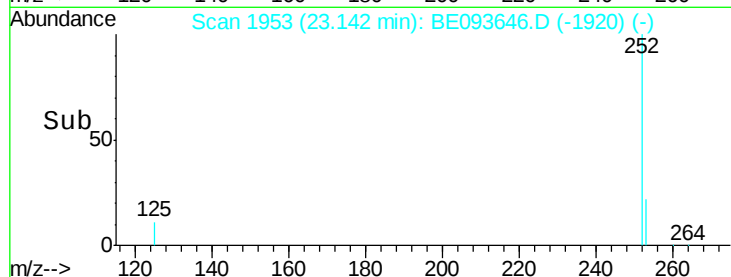
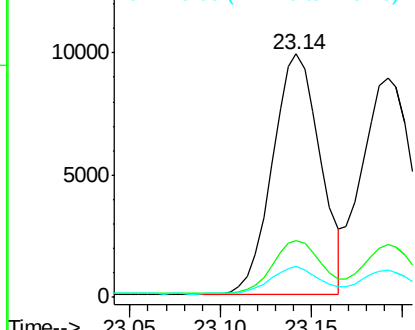
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.5  | 27.7  |
| 125     | 12.6  | 13.4  | 20.0  |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.477 ng

RT: 23.19 min Scan# 1964

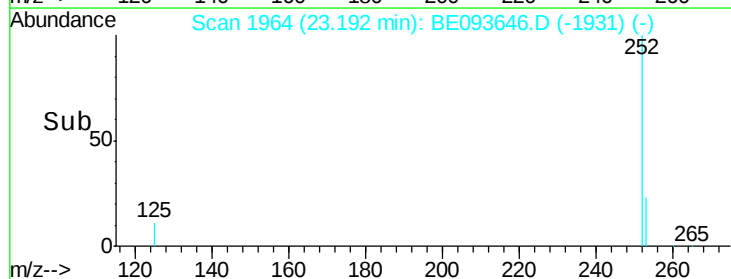
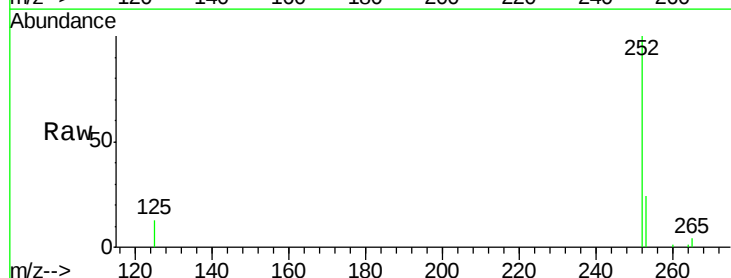
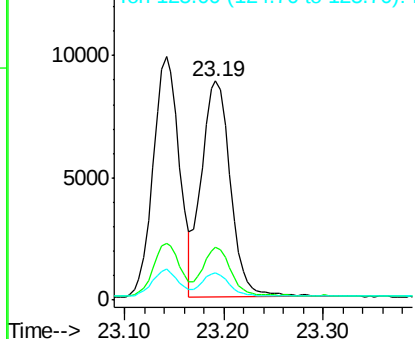
Delta R.T. -0.00 min

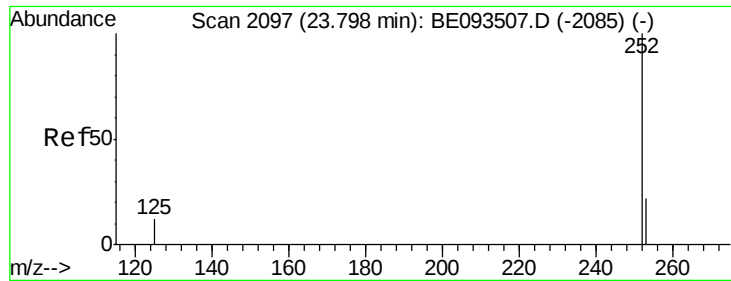
Lab File: BE093646.D

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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 20.3  | 30.5  |
| 125     | 12.5  | 12.2  | 18.4  |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.80 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BE093646.D

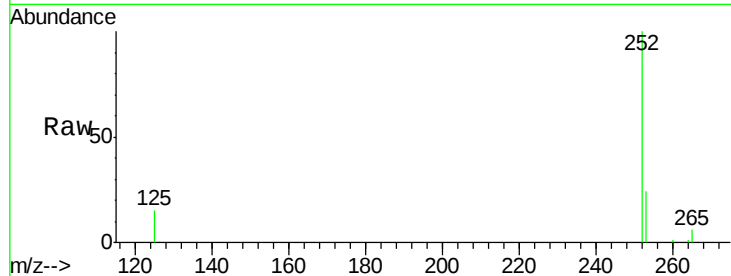
Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

ClientSampleId :

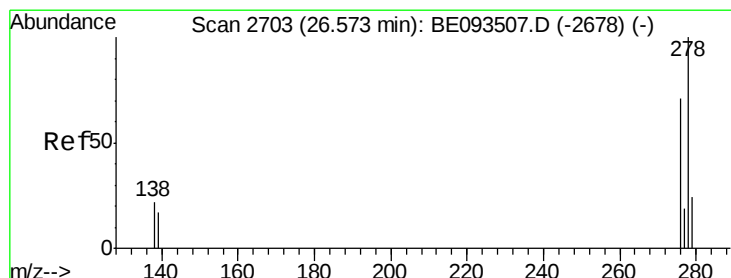
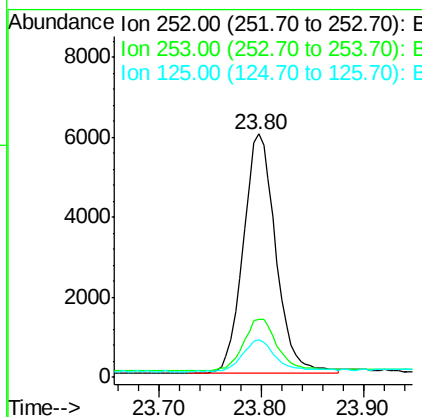
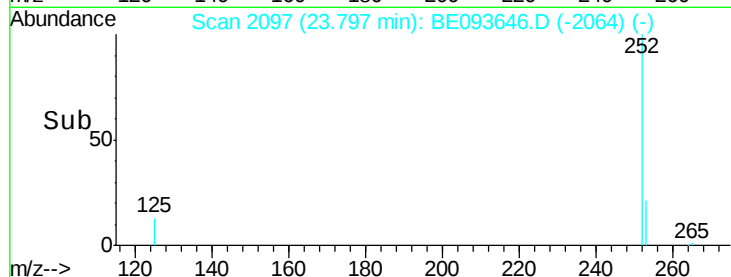
PB100998BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 19.9  | 29.9  |
| 125     | 15.2  | 14.6  | 21.8  |

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#38

Dibenzo(a,h)anthracene

Concen: 0.500 ng

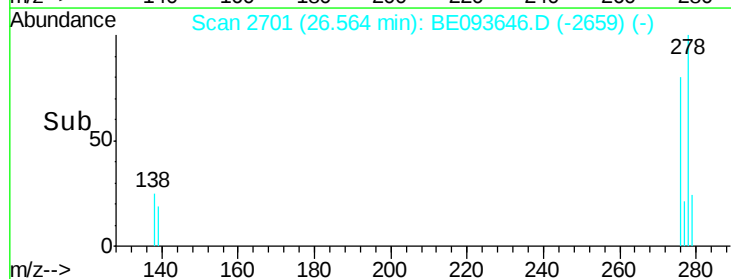
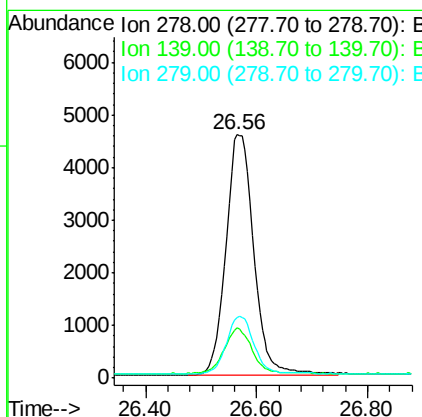
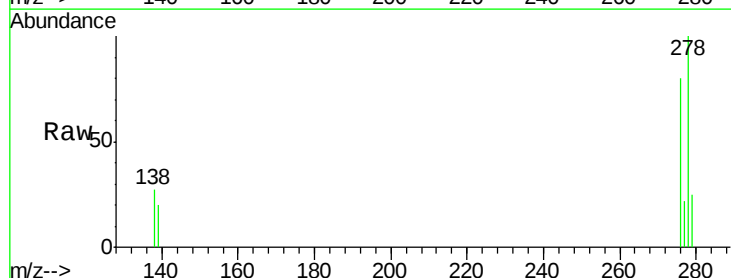
RT: 26.56 min Scan# 2701

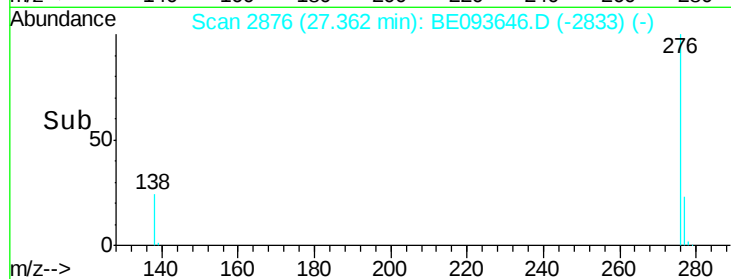
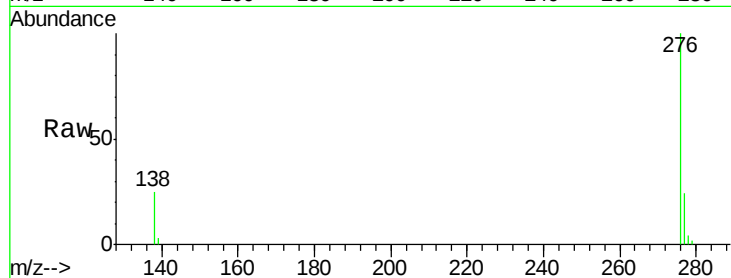
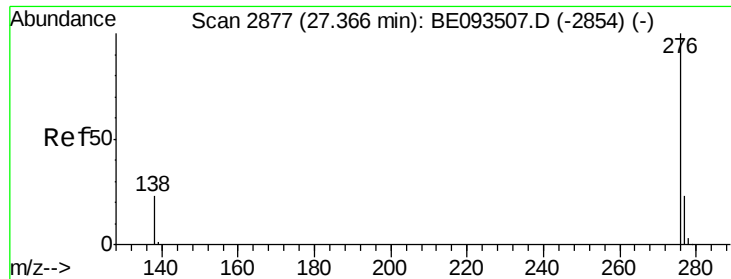
Delta R.T. -0.01 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.4  | 21.4  | 32.0# |
| 279     | 25.0  | 22.2  | 33.2  |





#39

Benzo(g,h,i)perylene

Concen: 0.438 ng

RT: 27.36 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BE093646.D

Acq: 3 Aug 2017 3:20

Instrument :

BNA\_E

ClientSampleId :

PB100998BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 14219 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.3  | 21.2  | 31.8  |
| 138       | 25.4  | 24.5  | 36.7  |

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