

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE111617\  
 Data File : BE094819.D  
 Acq On : 15 Nov 2017 17:48  
 Operator : SJ/JU  
 Sample : PB104239BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB104239BS

Manual Integrations  
 APPROVED

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 11/16/2017 6:31:50 PM

Quant Time: Nov 16 02:05:36 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 22:40:47 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 756      | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.72 | 136  | 3959     | 0.40 | ng    | 0.02     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 2072     | 0.40 | ng    | 0.02     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 5805     | 0.40 | ng    | 0.03     |
| 27) Chrysene-d12          | 21.44 | 240  | 6640     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.98 | 264  | 7472     | 0.40 | ng    | 0.03     |

## System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.60  | 112 | 786   | 0.30 | ng | 0.07 |
| 5) Phenol-d6                | 7.20  | 99  | 1364  | 0.35 | ng | 0.06 |
| 8) Nitrobenzene-d5          | 9.14  | 82  | 1097  | 0.35 | ng | 0.07 |
| 11) 2-Methylnaphthalene-d10 | 12.32 | 152 | 2960  | 0.47 | ng | 0.03 |
| 14) 2,4,6-Tribromophenol    | 16.06 | 330 | 248   | 0.43 | ng | 0.03 |
| 15) 2-Fluorobiphenyl        | 13.18 | 172 | 2976  | 0.41 | ng | 0.03 |
| 25) Fluoranthene-d10        | 19.30 | 212 | 24786 | 0.33 | ng | 0.02 |
| 29) Terphenyl-d14           | 19.87 | 244 | 4203  | 0.34 | ng | 0.00 |

## Target Compounds

|                                |       |     |       |          | Qvalue |
|--------------------------------|-------|-----|-------|----------|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88  | 465   | 0.363 ng | # 1    |
| 3) n-Nitrosodimethylamine      | 3.75  | 42  | 532   | 0.434 ng | # 92   |
| 6) bis(2-Chloroethyl)ether     | 7.38  | 93  | 875   | 0.289 ng | 83     |
| 9) Naphthalene                 | 10.77 | 128 | 14751 | 0.329 ng | 98     |
| 10) Hexachlorobutadiene        | 11.01 | 225 | 603   | 0.372 ng | 98     |
| 12) 2-Methylnaphthalene        | 12.40 | 142 | 2469  | 0.325 ng | 99     |
| 16) Acenaphthylene             | 14.26 | 152 | 3725  | 0.341 ng | 98     |
| 17) Acenaphthene               | 14.58 | 154 | 2469  | 0.351 ng | 98     |
| 18) Fluorene                   | 15.59 | 166 | 3089  | 0.343 ng | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 784   | 0.248 ng | # 76   |
| 21) Hexachlorobenzene          | 16.58 | 284 | 815   | 0.294 ng | 92     |
| 22) Pentachlorophenol          | 17.07 | 266 | 278m  | 0.784 ng |        |
| 23) Phenanthrene               | 17.30 | 178 | 5570  | 0.353 ng | 99     |
| 24) Anthracene                 | 17.40 | 178 | 5308  | 0.311 ng | 97     |
| 26) Fluoranthene               | 19.33 | 202 | 6602  | 0.281 ng | 98     |
| 28) Pyrene                     | 19.70 | 202 | 6920  | 0.298 ng | 100    |
| 30) Benzo(a)anthracene         | 21.43 | 228 | 7481  | 0.346 ng | # 62   |
| 31) Chrysene                   | 21.48 | 228 | 8374  | 0.382 ng | # 64   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 18406 | 0.347 ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.71 | 276 | 9358  | 0.461 ng | 97     |
| 35) Benzo(b)fluoranthene       | 23.20 | 252 | 8474  | 0.351 ng | # 41   |
| 36) Benzo(k)fluoranthene       | 23.25 | 252 | 9249  | 0.359 ng | # 41   |
| 37) Benzo(a)pyrene             | 23.88 | 252 | 8814  | 0.376 ng | # 35   |
| 38) Dibenzo(a,h)anthracene     | 26.70 | 278 | 7962  | 0.378 ng | # 46   |
| 39) Benzo(g,h,i)perylene       | 27.55 | 276 | 7988  | 0.405 ng | # 55   |

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

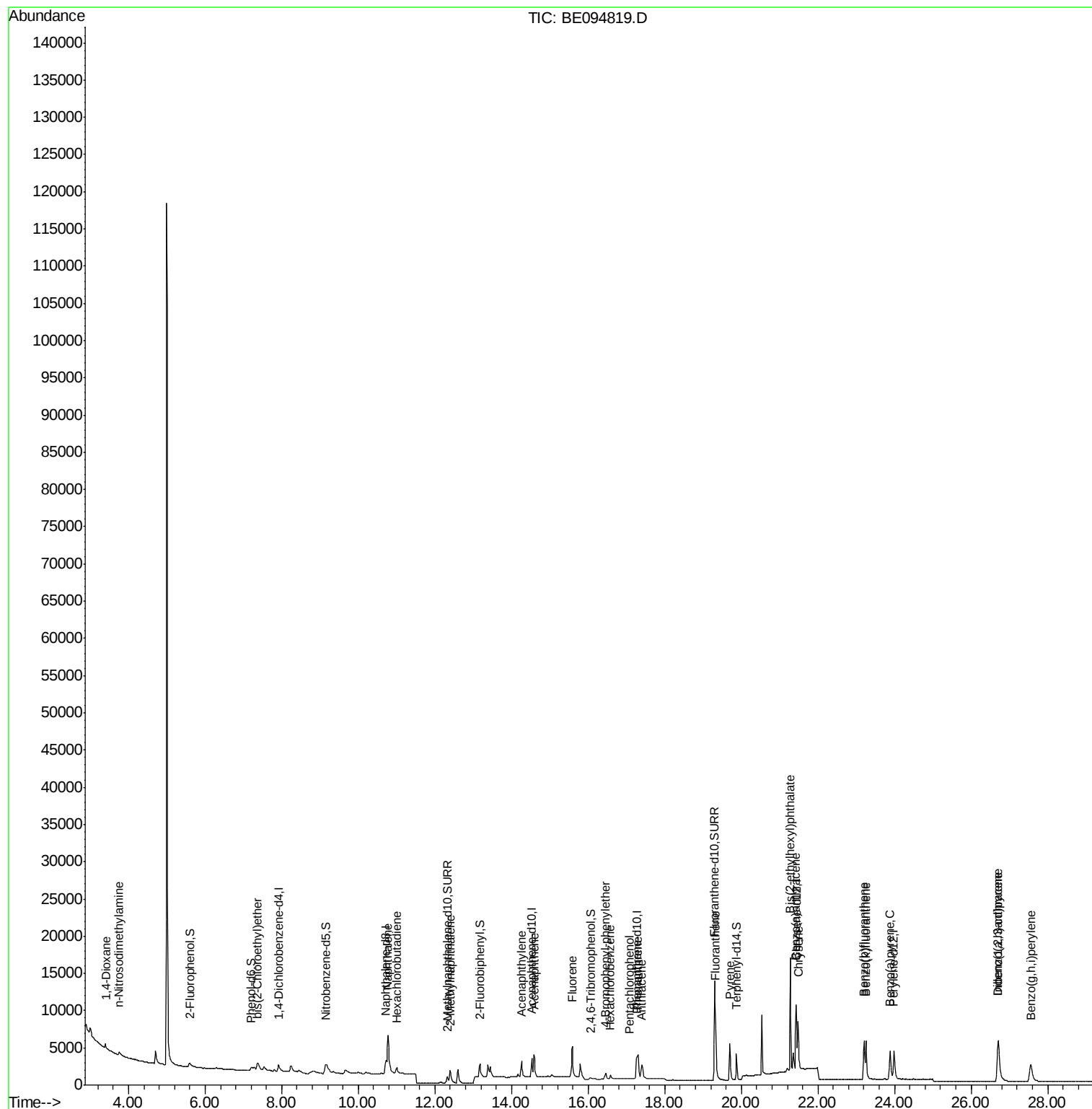
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE111617\  
Data File : BE094819.D  
Acq On : 15 Nov 2017 17:48  
Operator : SJ/JU  
Sample : PB104239BS  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

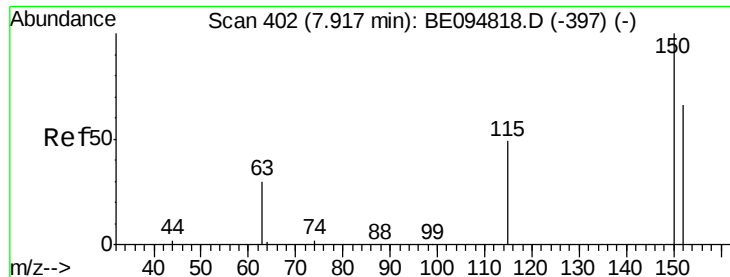
Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

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Quant Time: Nov 16 02:05:36 2017  
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QLast Update : Mon Oct 23 22:40:47 2017  
Response via : Initial Calibration

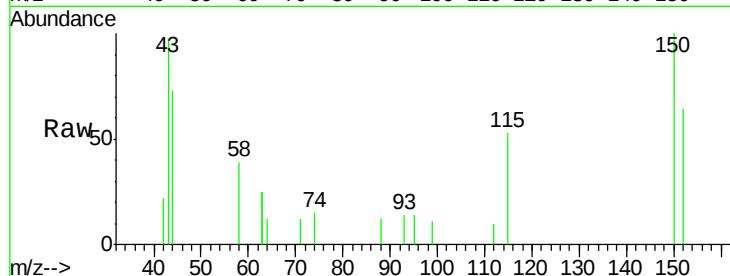




#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. 0.01 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

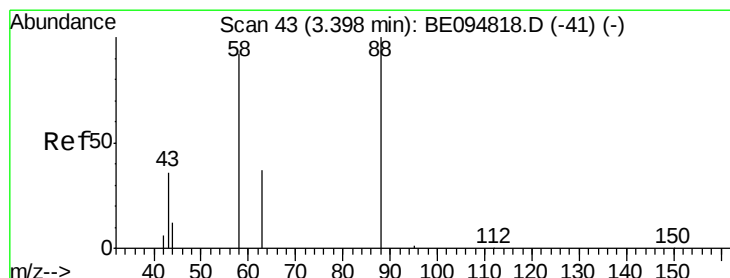
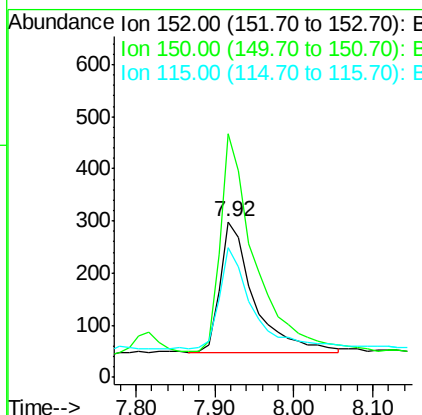
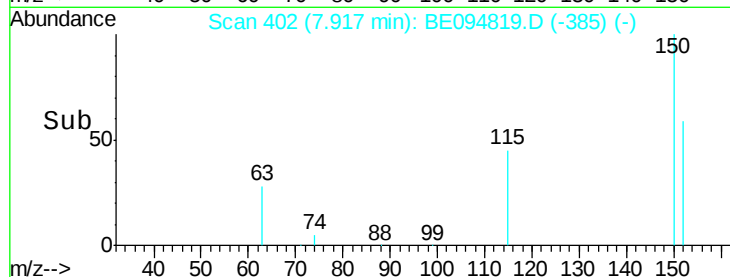
Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 117.2 | 175.8 |
| 115     | 83.3  | 57.0  | 85.6  |

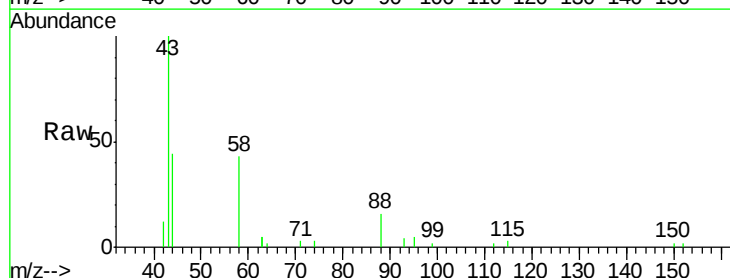
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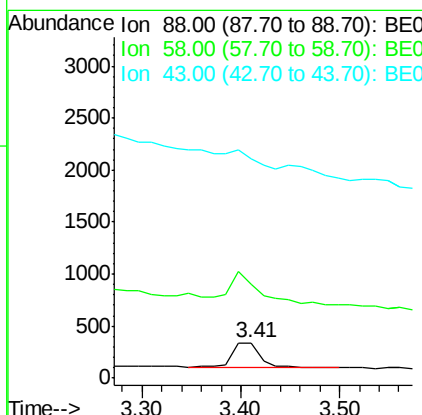
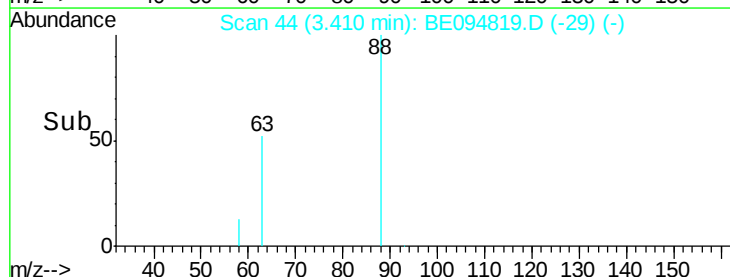


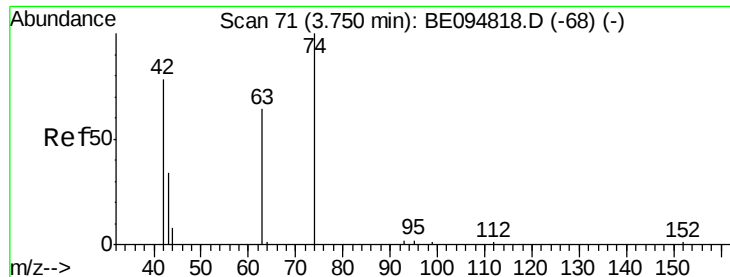
#2

1,4-Dioxane  
Concen: 0.363 ng  
RT: 3.41 min Scan# 44  
Delta R.T. -0.01 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 239.4 | 63.2  | 94.8# |
| 43      | 0.0   | 41.2  | 61.8# |





#3

n-Nitrosodimethylamine

Concen: 0.434 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

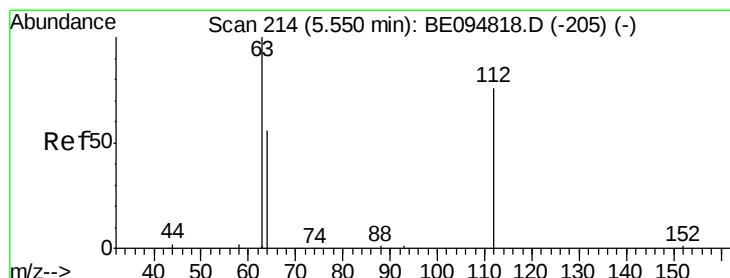
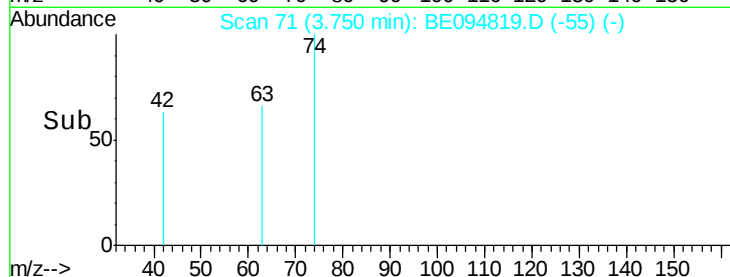
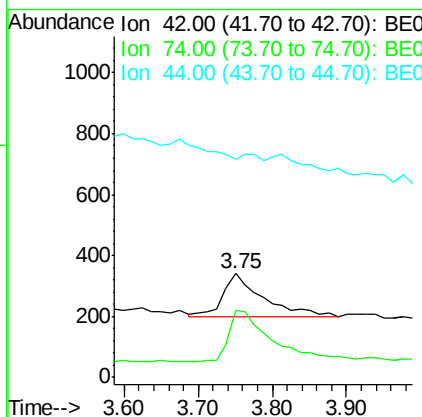
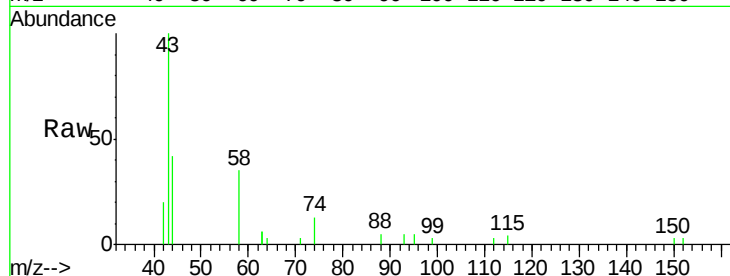
ClientSampleId :

PB104239BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 532   |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 126.9 | 100.3 | 150.5 |
| 44        | 0.0   | 17.0  | 25.4# |

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#4

2-Fluorophenol

Concen: 0.303 ng

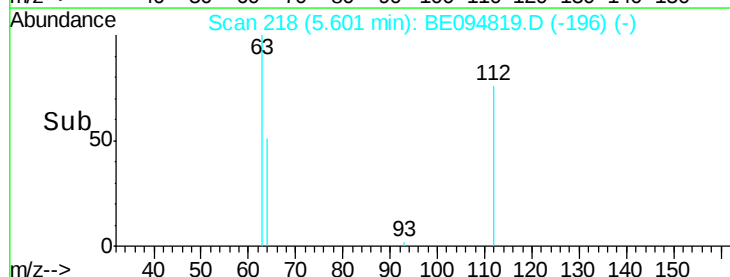
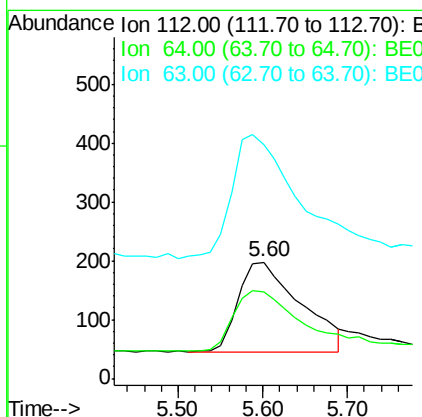
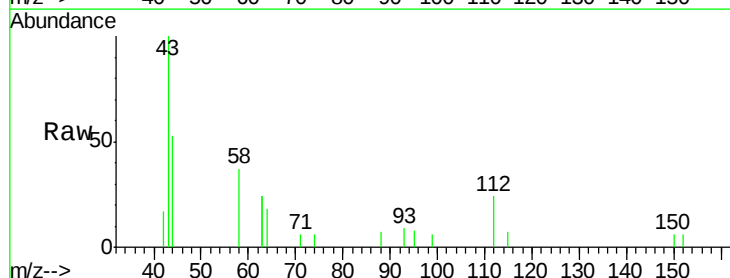
RT: 5.60 min Scan# 218

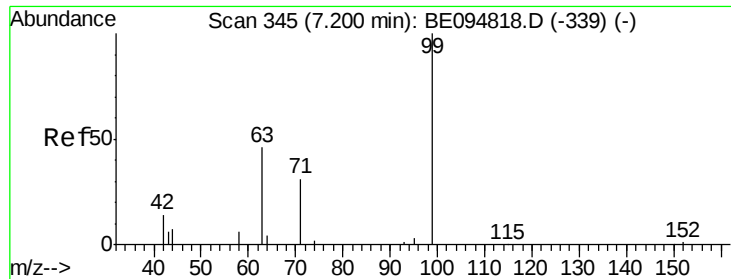
Delta R.T. 0.07 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 786   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 70.4  | 60.1  | 90.1  |
| 63        | 141.1 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.349 ng

RT: 7.20 min Scan# 345

Delta R.T. 0.06 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

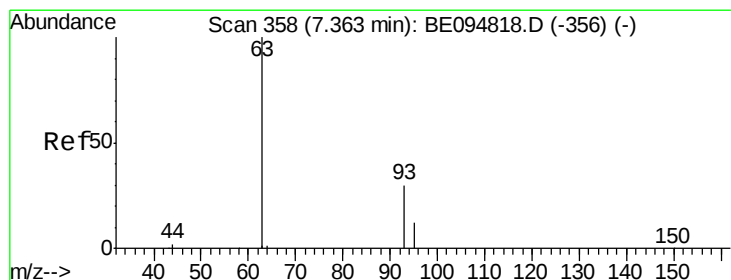
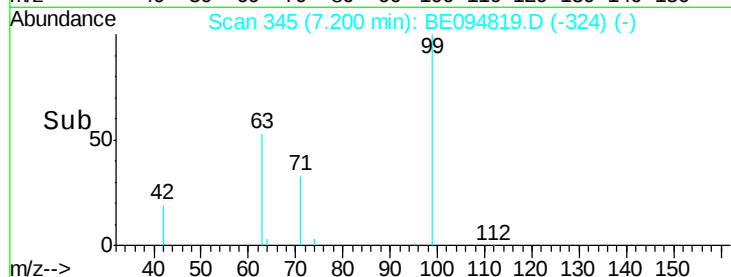
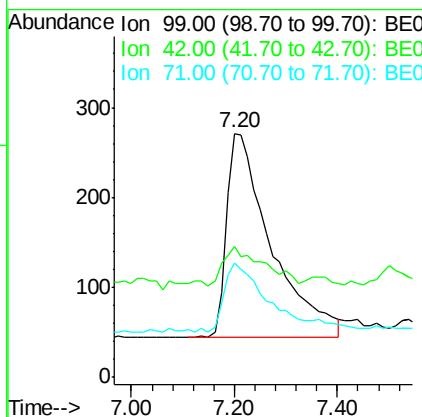
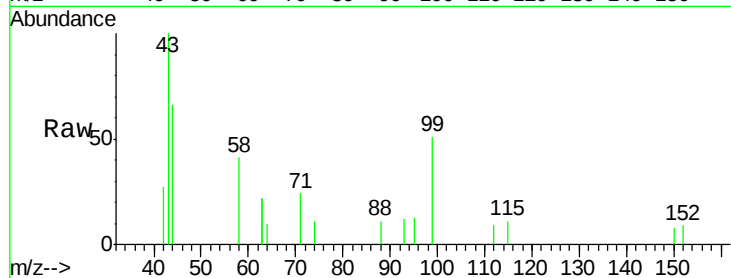
ClientSampleId :

PB104239BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 1364  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 18.0  | 20.2  | 30.2# |
| 71        | 34.3  | 28.4  | 42.6  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.289 ng

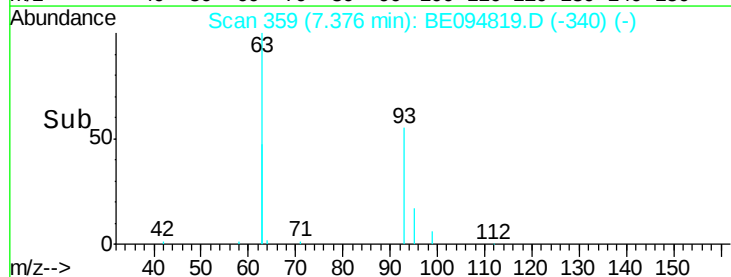
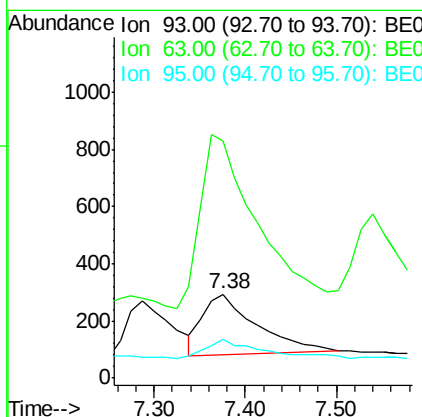
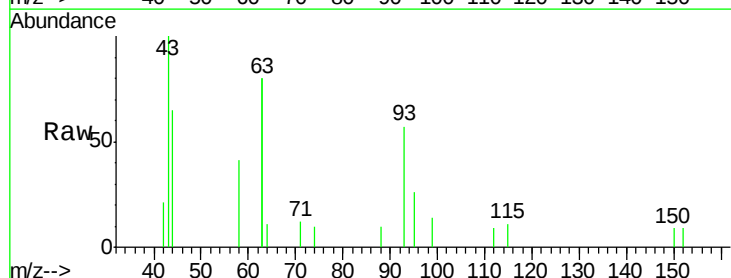
RT: 7.38 min Scan# 359

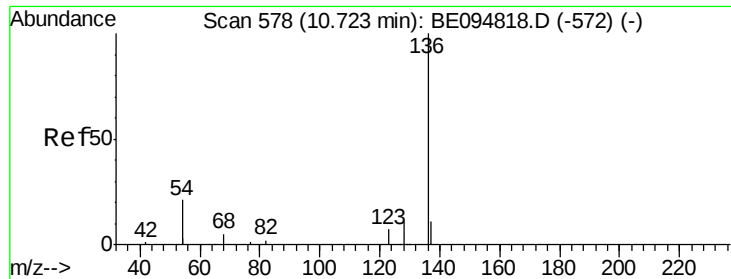
Delta R.T. 0.04 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 875   |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 63        | 304.6 | 275.3 | 412.9 |
| 95        | 31.1  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

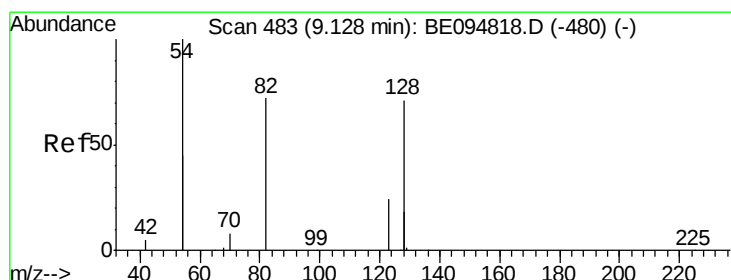
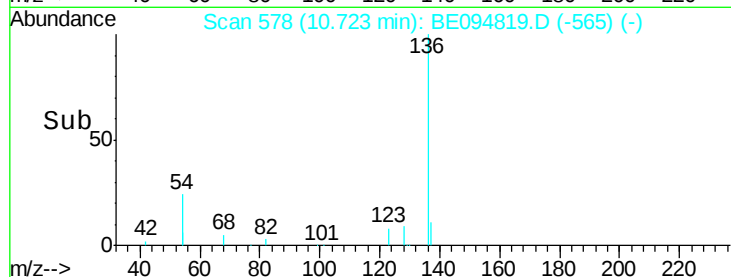
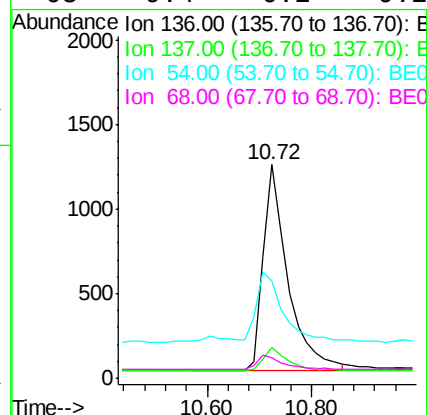
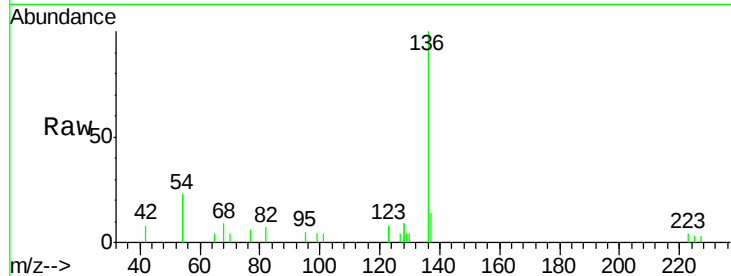
ClientSampleId :

PB104239BS

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   | 3959 |       |       |
| 137     | 14.1  | 9.5  | 14.3  |       |
| 54      | 45.6  | 29.1 | 43.7  |       |
| 68      | 9.4   | 6.2  | 9.2   |       |

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#8

Nitrobenzene-d5

Concen: 0.347 ng

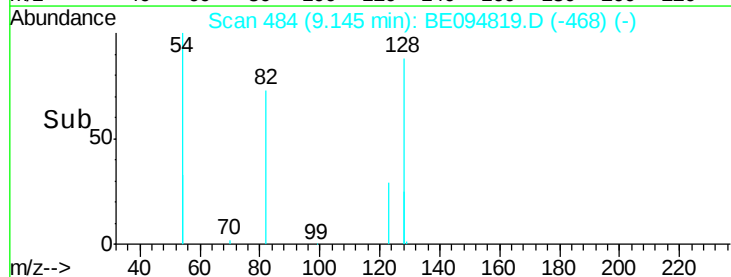
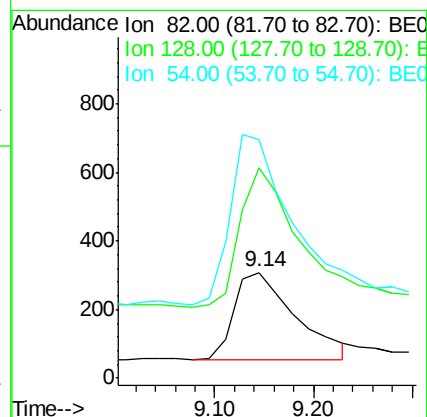
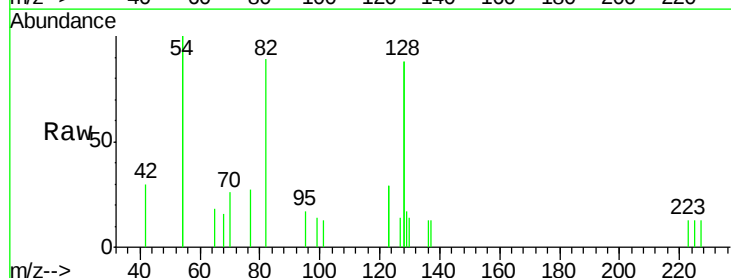
RT: 9.14 min Scan# 484

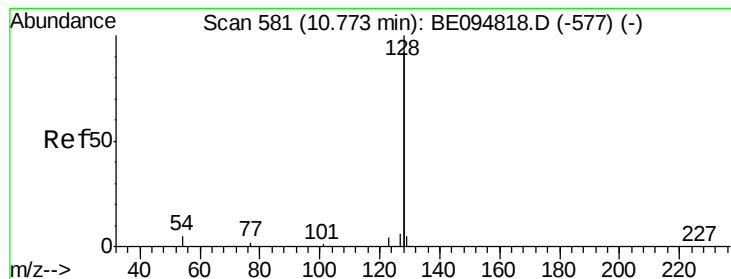
Delta R.T. 0.07 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   | 1097  |       |       |
| 128     | 198.1 | 150.0 | 225.0 |       |
| 54      | 224.6 | 154.2 | 231.4 |       |





#9

Naphthalene

Concen: 0.329 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

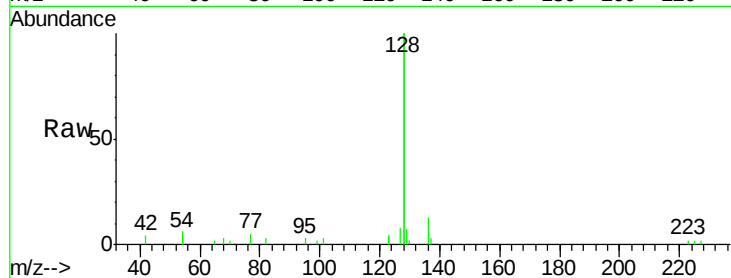
ClientSampleId :

PB104239BS

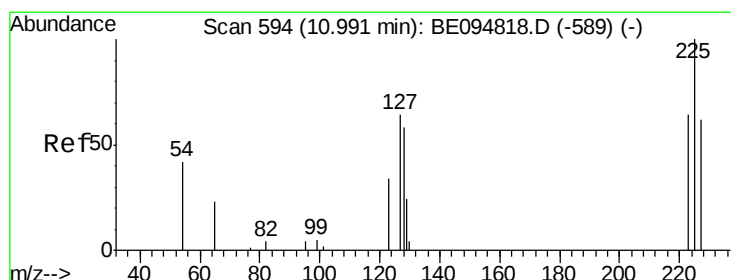
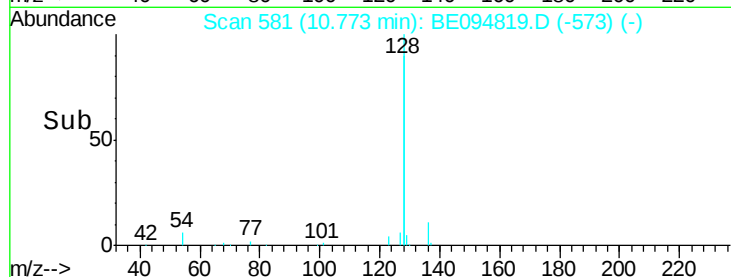
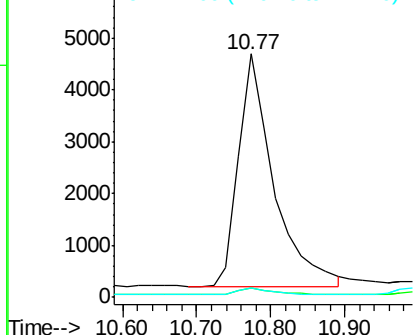
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 14751 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.7   | 2.6   | 3.8   |
| 127       | 4.0   | 2.8   | 4.2   |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.372 ng

RT: 11.01 min Scan# 595

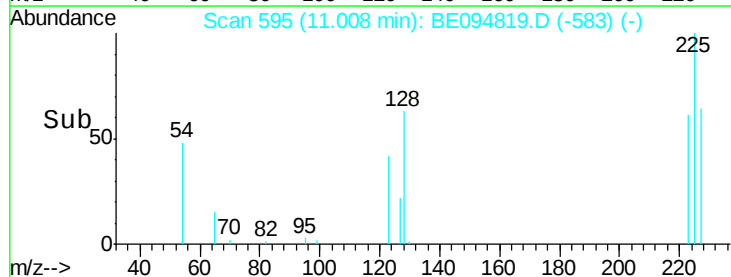
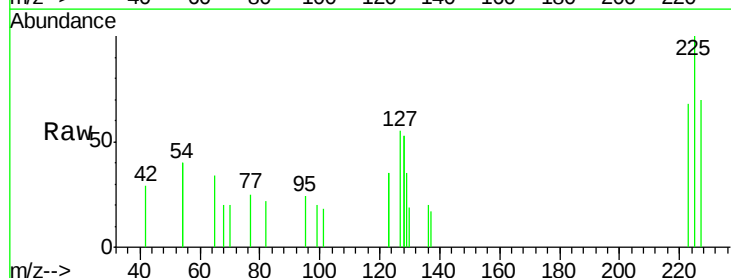
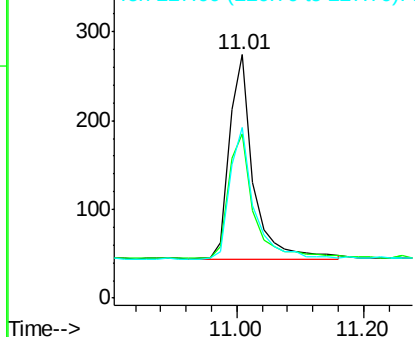
Delta R.T. -0.00 min

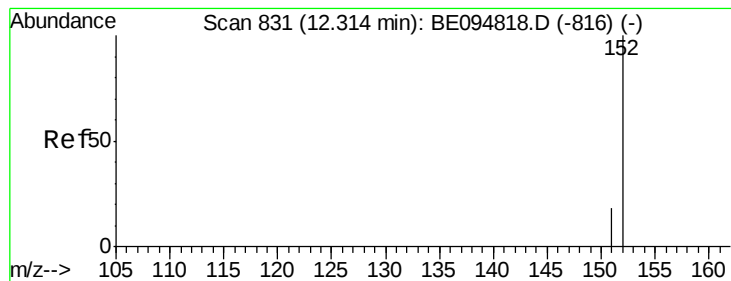
Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 603  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.8  | 53.0  | 79.6 |
| 227       | 65.7  | 51.4  | 77.2 |

Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.466 ng

RT: 12.32 min Scan# 832

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

ClientSampleId :

PB104239BS

Tgt Ion:152 Resp: 2960

Ion Ratio Lower Upper

152 100

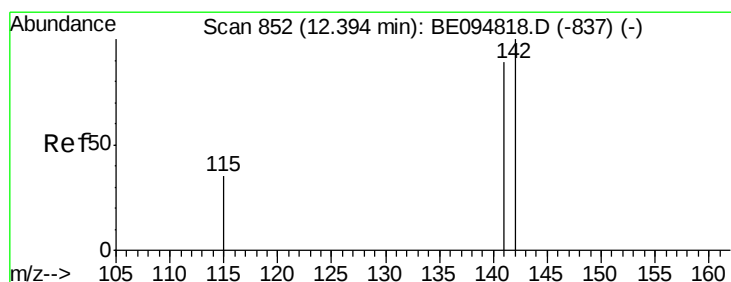
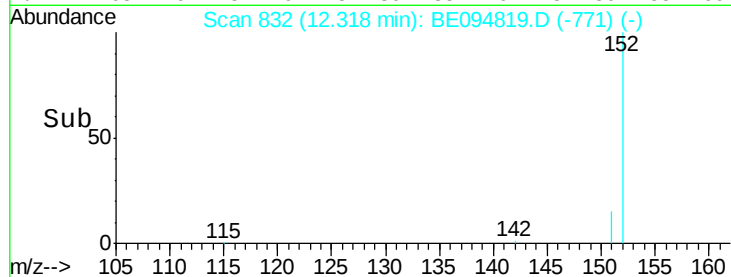
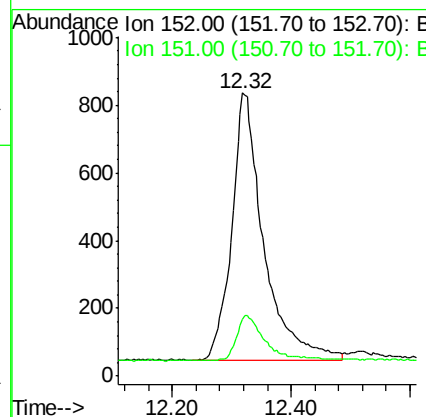
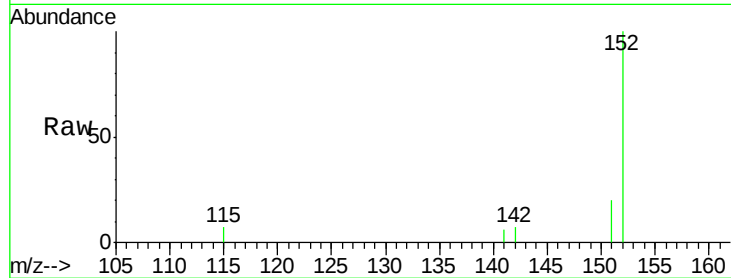
151 14.5 15.4 23.0#

Manual Integrations

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#12

2-Methylnaphthalene

Concen: 0.325 ng

RT: 12.40 min Scan# 853

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

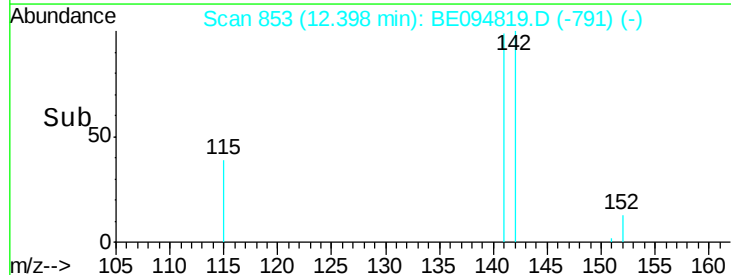
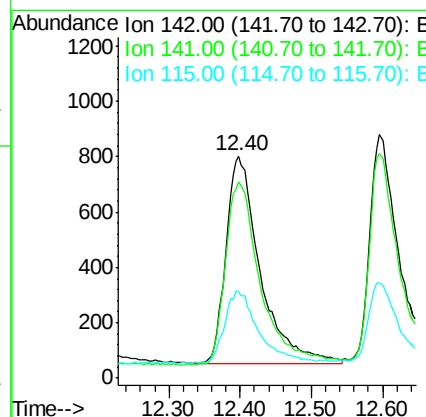
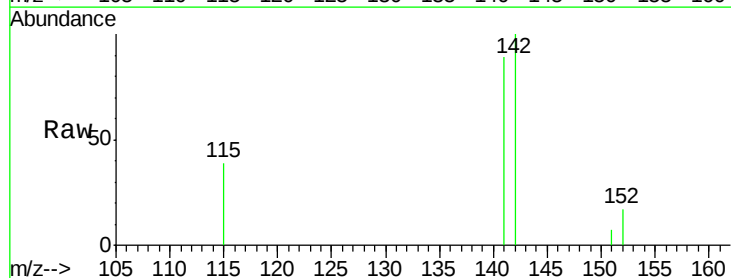
Tgt Ion:142 Resp: 2469

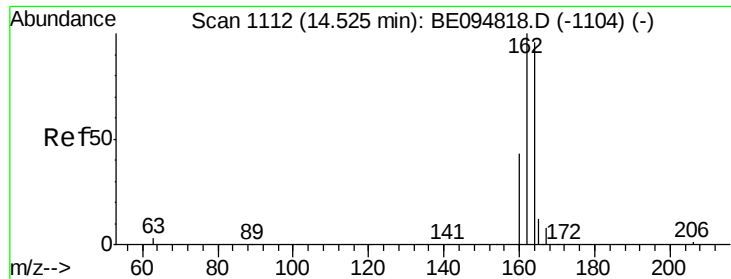
Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

115 39.0 31.7 47.5





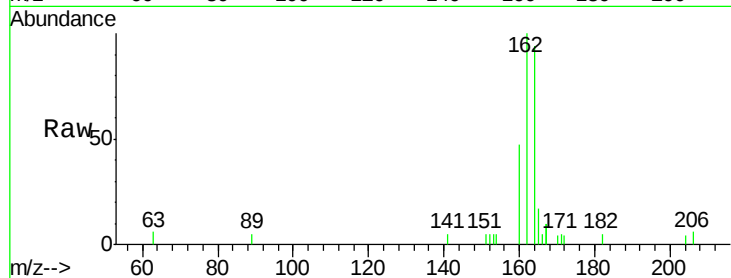
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 1112  
Delta R.T. 0.02 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

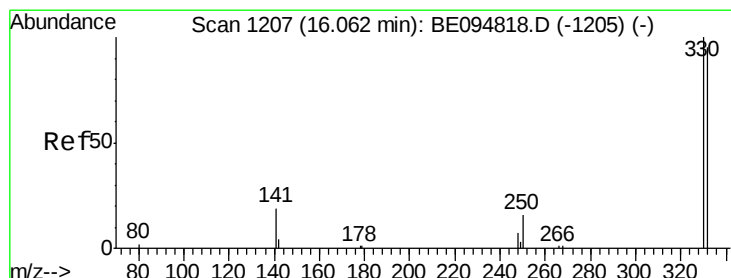
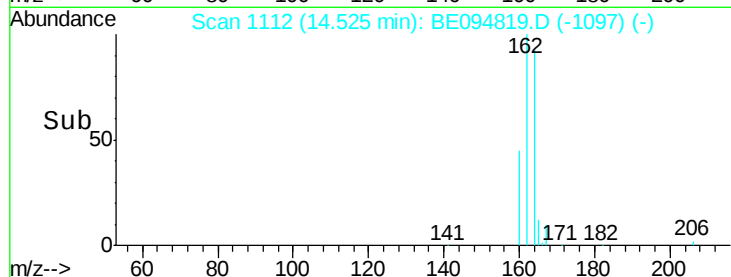
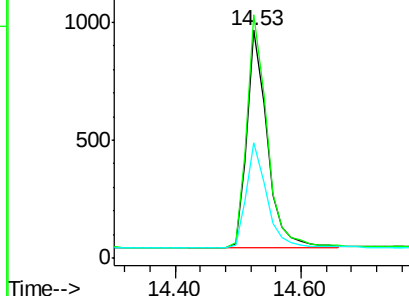
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.0 | 83.1  | 124.7 |
| 160     | 50.5  | 37.1  | 55.7  |

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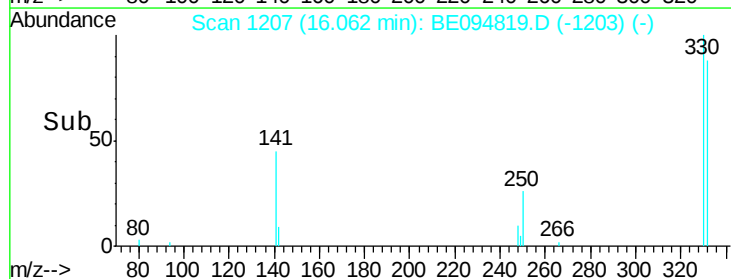
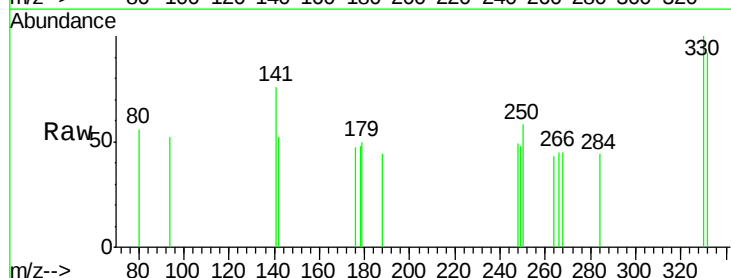
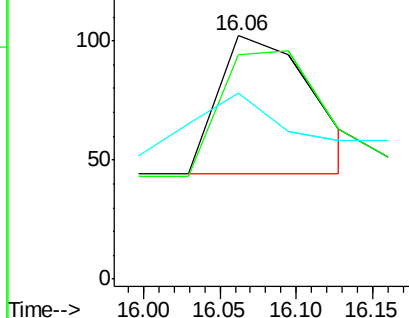
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

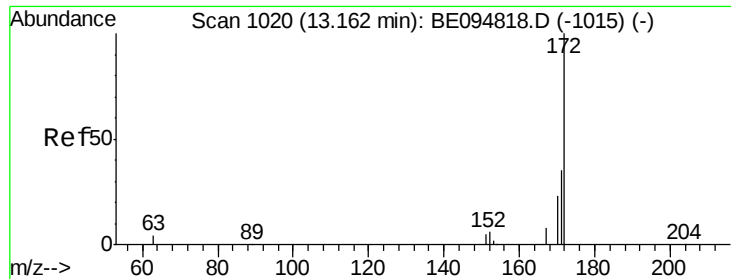


#14  
2,4,6-Tribromophenol  
Concen: 0.434 ng  
RT: 16.06 min Scan# 1207  
Delta R.T. 0.03 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 0.0   | 152.7 | 229.1# |
| 141     | 43.5  | 33.7  | 50.5   |

Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





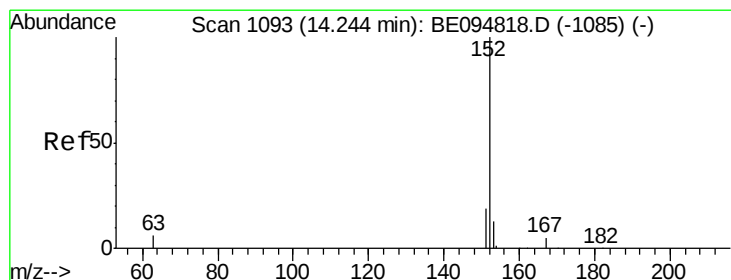
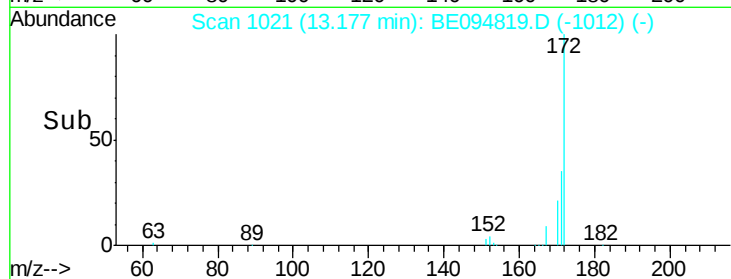
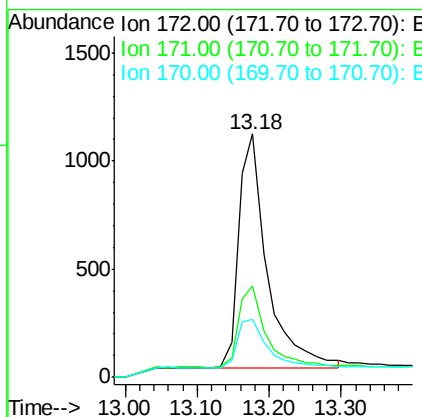
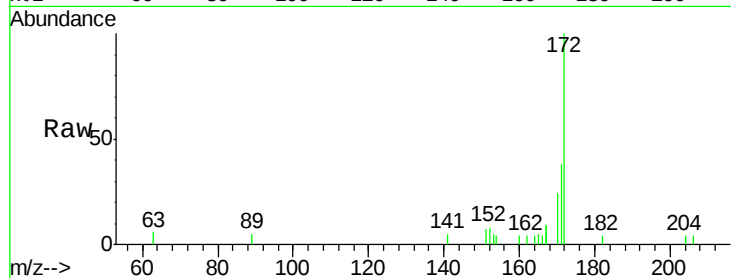
#15  
2-Fluorobiphenyl  
Concen: 0.408 ng  
RT: 13.18 min Scan# 1021  
Delta R.T. 0.03 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 29.9  | 44.9  |
| 170     | 24.1  | 21.8  | 32.8  |

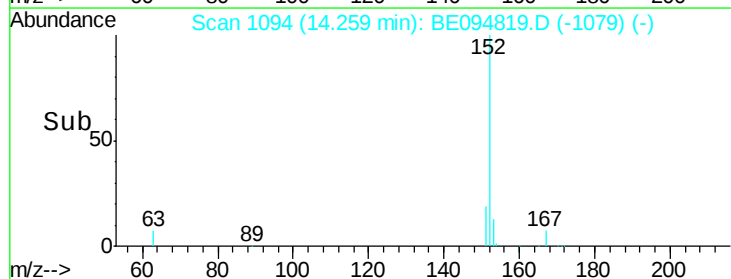
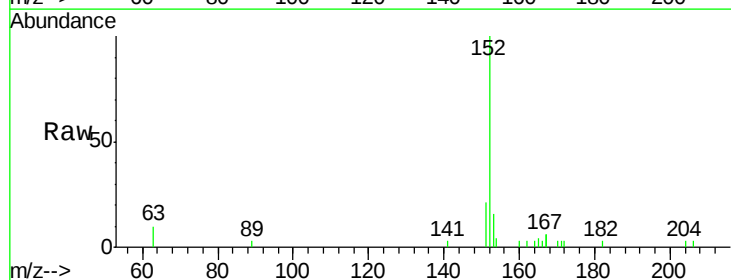
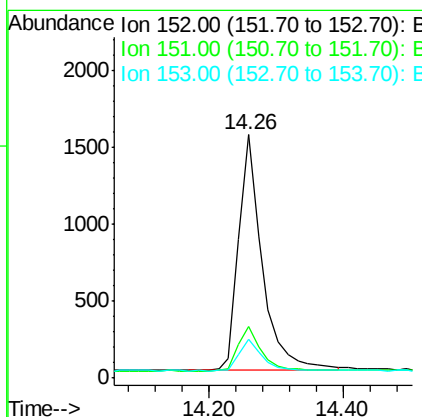
Manual Integrations  
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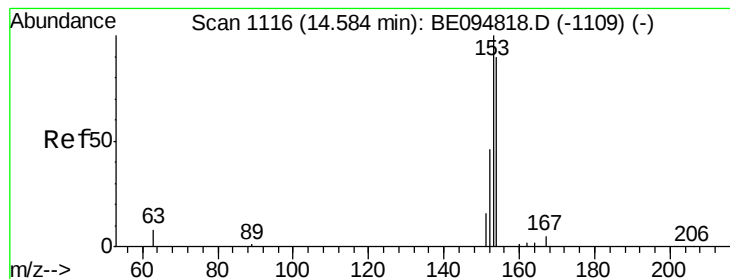
SOHIL  
11/16/2017 6:31:50 PM



#16  
Acenaphthylene  
Concen: 0.341 ng  
RT: 14.26 min Scan# 1094  
Delta R.T. 0.02 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.4  | 15.7  | 23.5  |
| 153     | 13.4  | 10.5  | 15.7  |





#17

Acenaphthene

Concen: 0.351 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

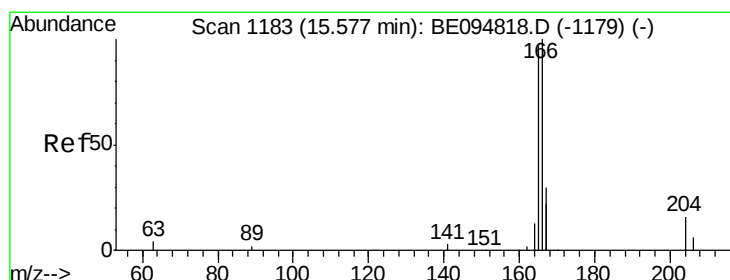
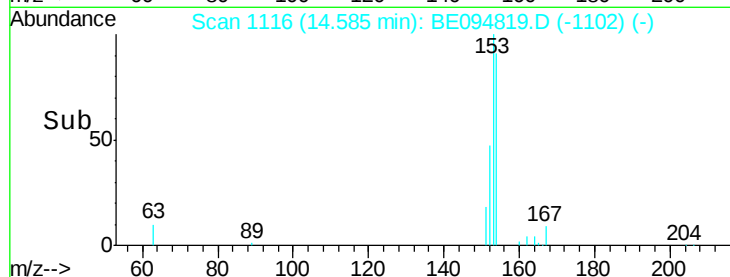
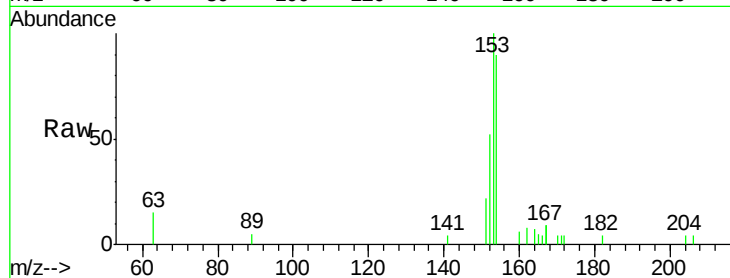
ClientSampleId :

PB104239BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 2469  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 108.9 | 89.2  | 133.8 |
| 152       | 51.6  | 42.0  | 63.0  |

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#18

Fluorene

Concen: 0.343 ng

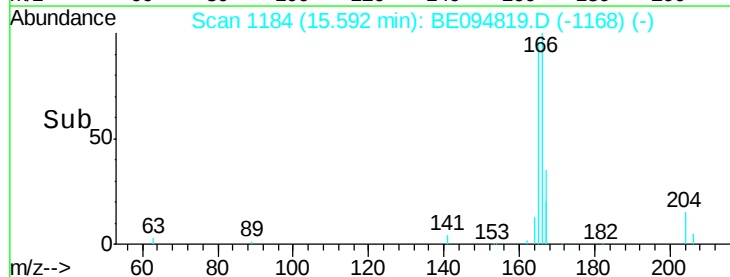
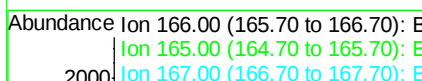
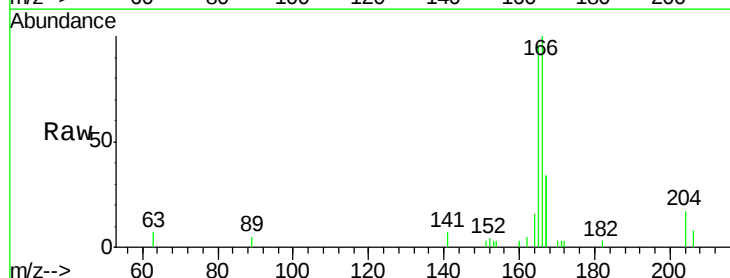
RT: 15.59 min Scan# 1184

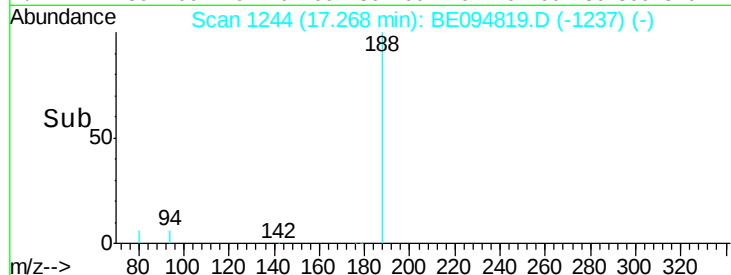
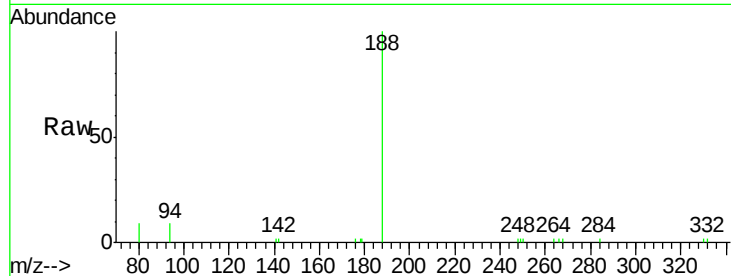
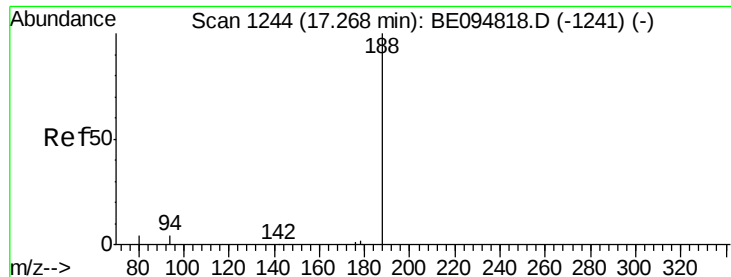
Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 3089  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.2  | 77.8  | 116.6 |
| 167       | 55.0  | 42.4  | 63.6  |





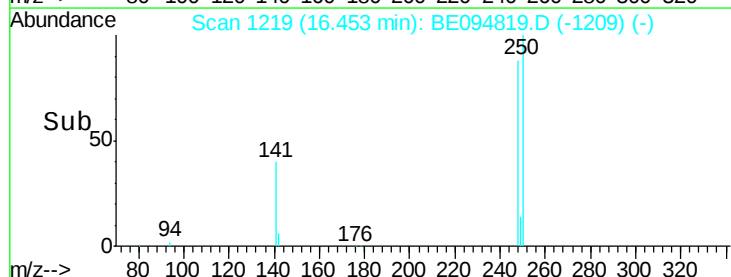
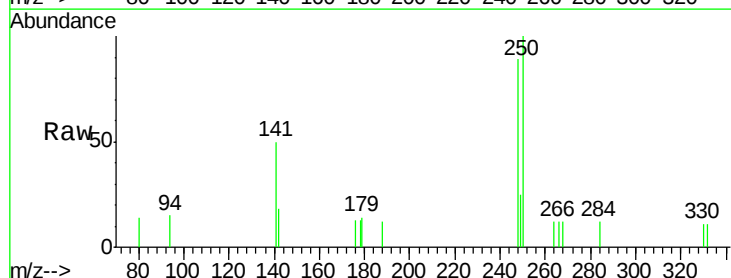
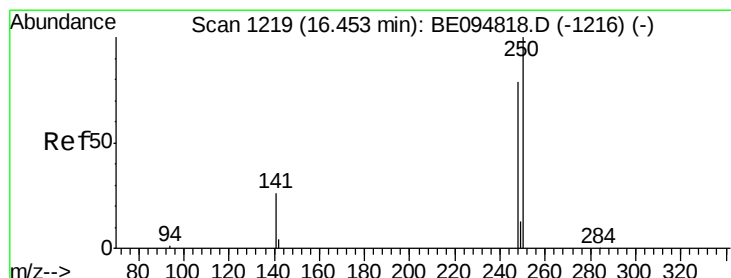
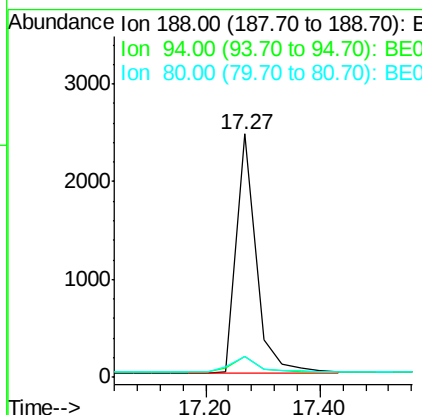
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.27 min Scan# 1244  
Delta R.T. 0.03 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 8.6   | 3.9        | 5.9#       |
| 80      | 8.6   | 3.6        | 5.4#       |

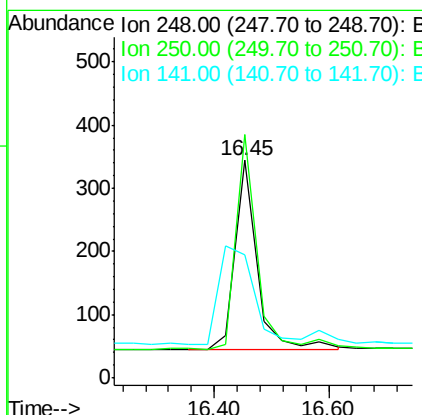
Manual Integrations  
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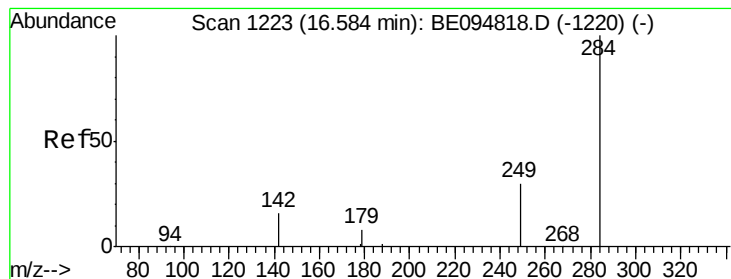
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#20  
4-Bromophenyl-phenylether  
Concen: 0.248 ng  
RT: 16.45 min Scan# 1219  
Delta R.T. 0.03 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 248     | 100   |            |            |
| 250     | 111.9 | 62.7       | 94.1#      |
| 141     | 56.4  | 48.2       | 72.2       |





#21

Hexachlorobenzene

Concen: 0.294 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

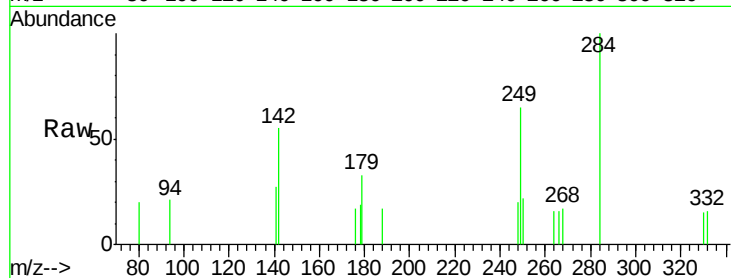
ClientSampleId :

PB104239BS

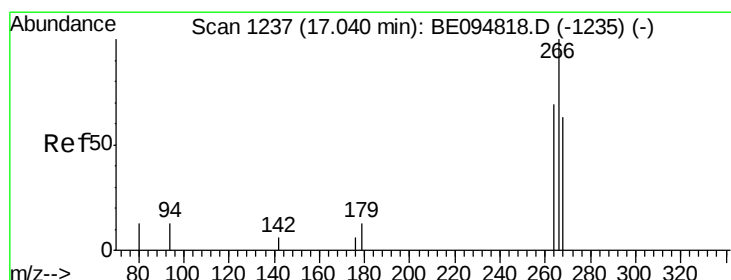
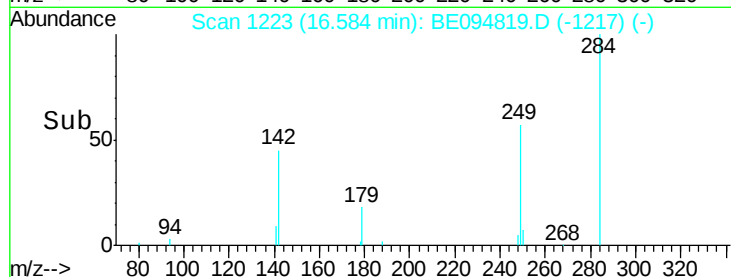
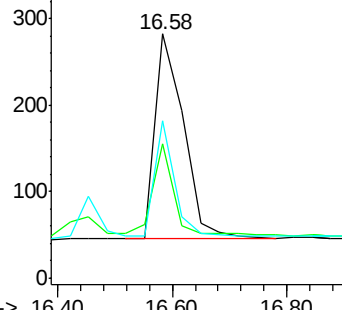
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 815  |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 31.4  | 22.1  | 33.1 |
| 249       | 38.2  | 34.8  | 52.2 |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.784 ng m

RT: 17.07 min Scan# 1238

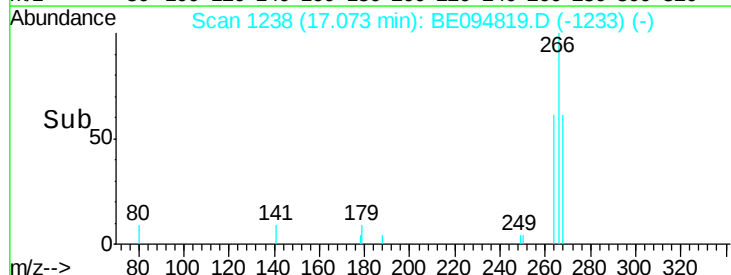
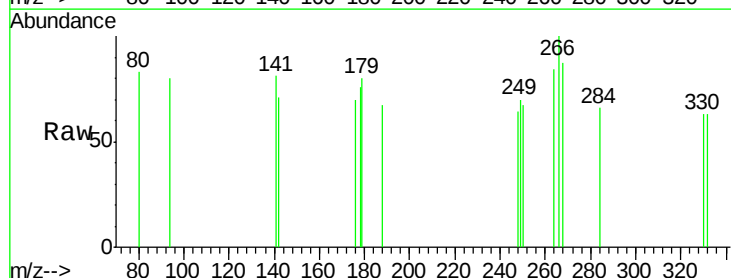
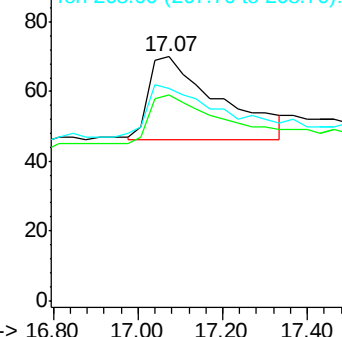
Delta R.T. 0.07 min

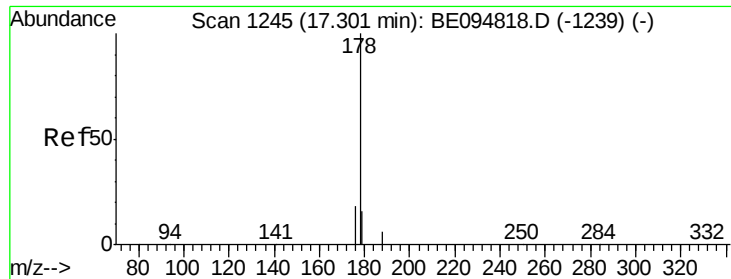
Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 278   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 84.3  | 72.5  | 108.7 |
| 268       | 87.1  | 73.8  | 110.6 |

Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





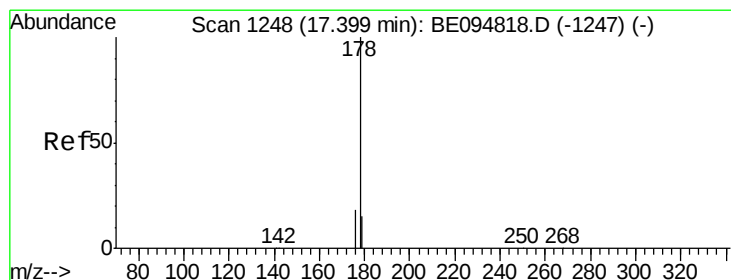
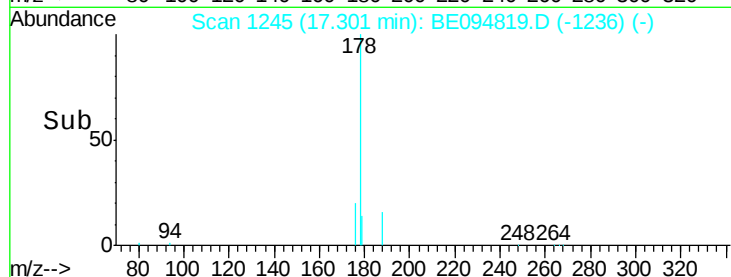
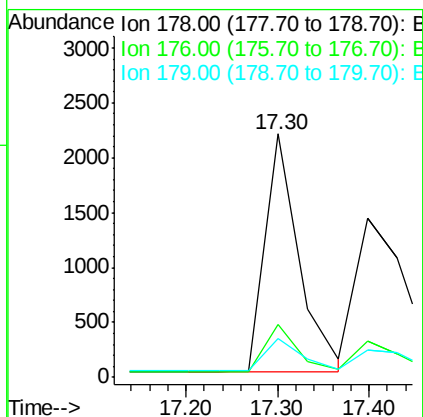
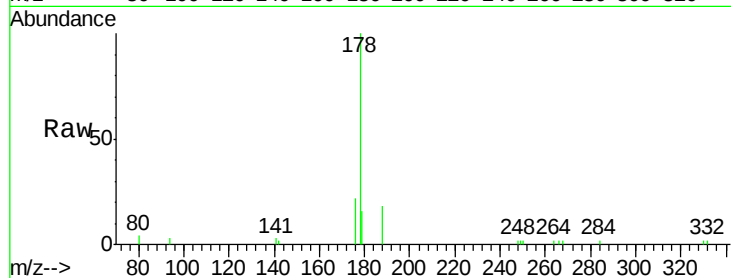
#23  
Phenanthrene  
Concen: 0.353 ng  
RT: 17.30 min Scan# 1245  
Delta R.T. 0.00 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.1  | 22.7  |
| 179     | 15.3  | 11.8  | 17.6  |

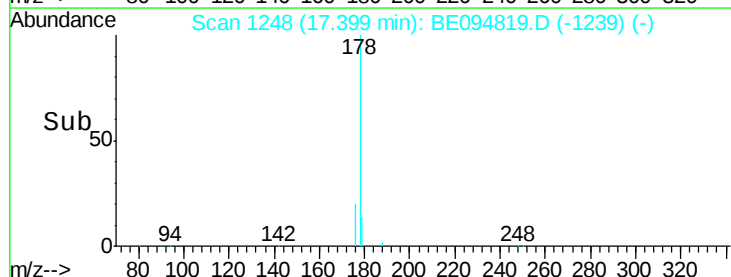
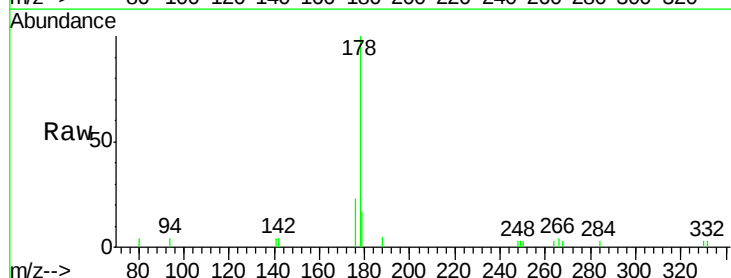
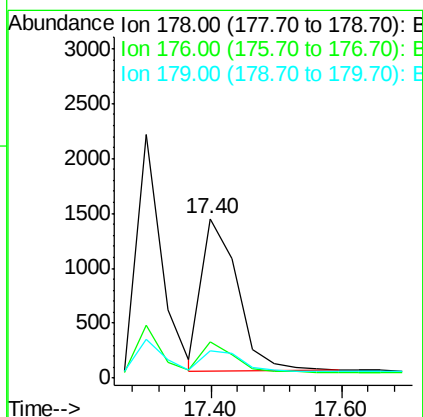
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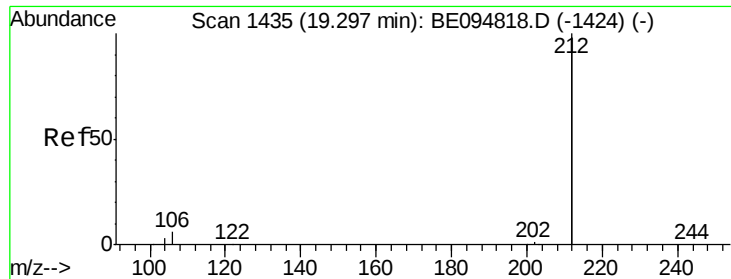
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#24  
Anthracene  
Concen: 0.311 ng  
RT: 17.40 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.9  | 12.8  | 19.2  |
| 179     | 15.3  | 13.0  | 19.6  |





#25

Fluoranthene-d10

Concen: 0.334 ng

RT: 19.30 min Scan# 1436

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

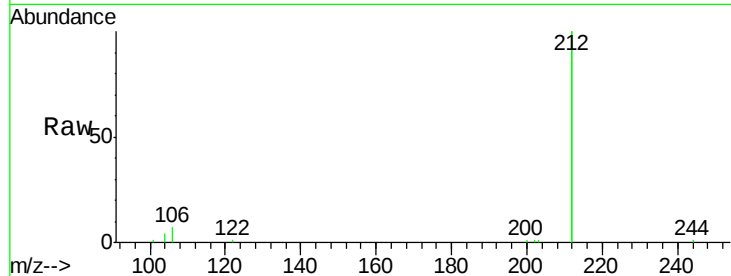
ClientSampleId :

PB104239BS

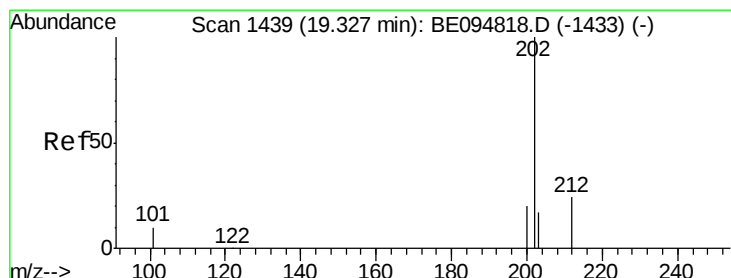
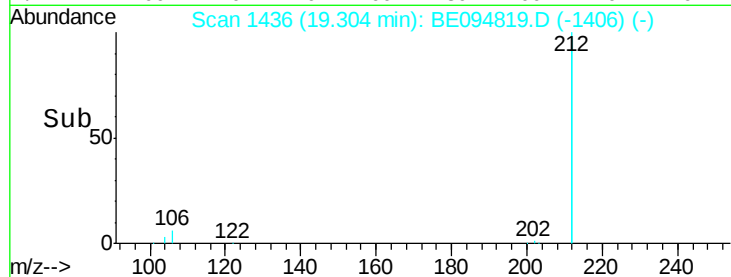
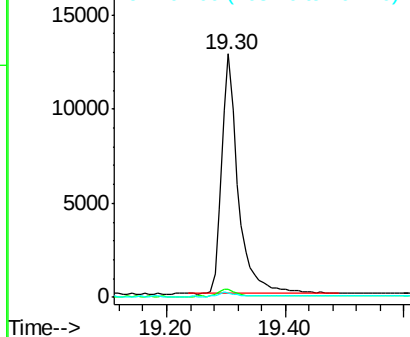
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 24786 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.3   | 2.8   | 4.2   |
| 104       | 1.8   | 1.6   | 2.4   |

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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: 0.281 ng

RT: 19.33 min Scan# 1440

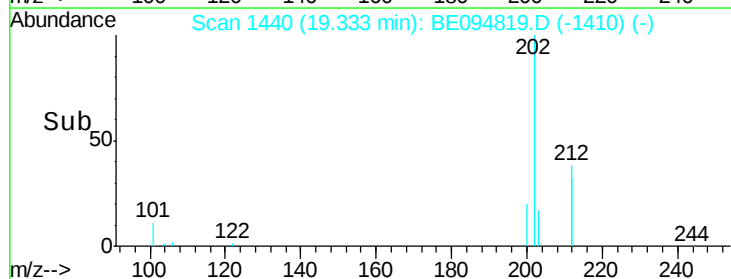
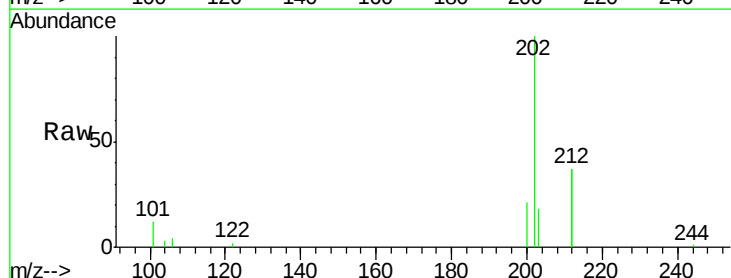
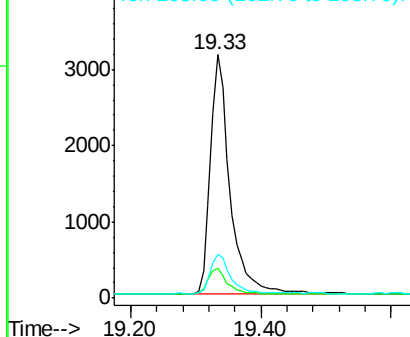
Delta R.T. 0.02 min

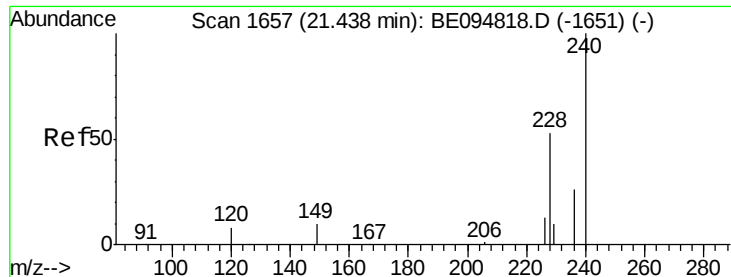
Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 6602 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.9  | 9.8   | 14.8 |
| 203       | 17.2  | 13.7  | 20.5 |

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: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

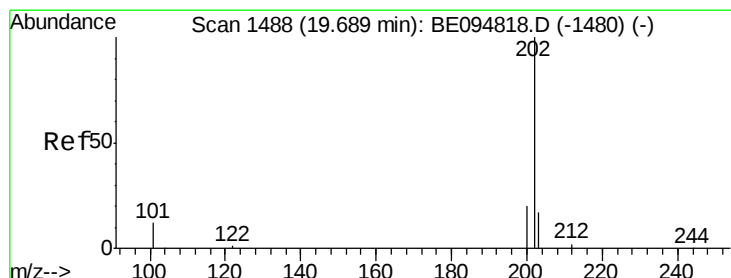
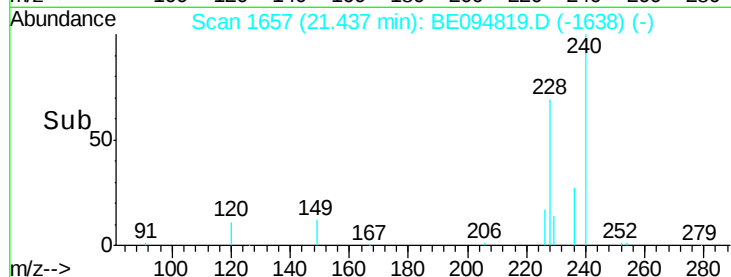
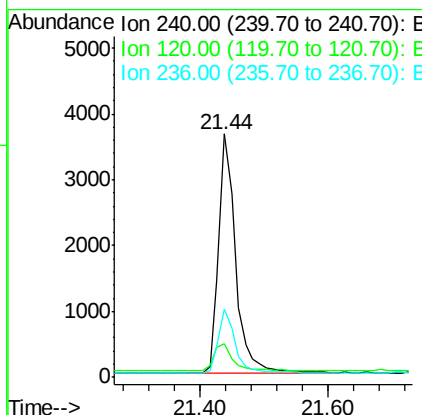
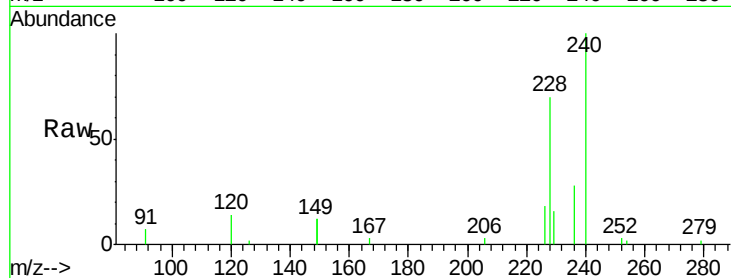
ClientSampleId :

PB104239BS

Tgt Ion:240 Resp: 6640  
 Ion Ratio Lower Upper  
 240 100  
 120 13.6 5.5 8.3#  
 236 28.2 20.7 31.1

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#28

Pyrene

Concen: 0.298 ng

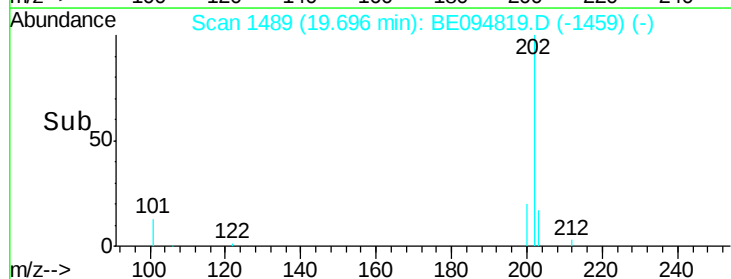
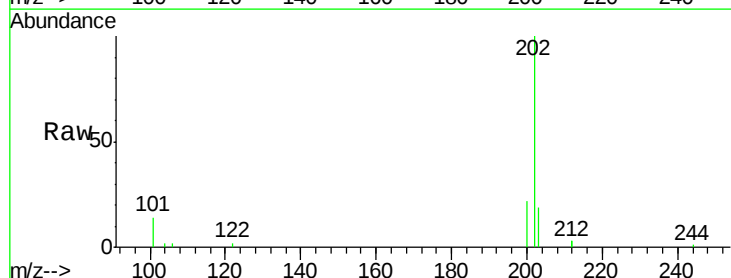
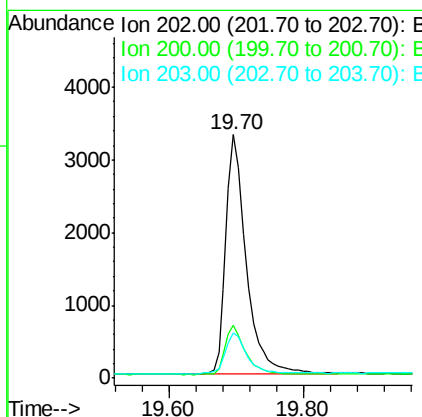
RT: 19.70 min Scan# 1489

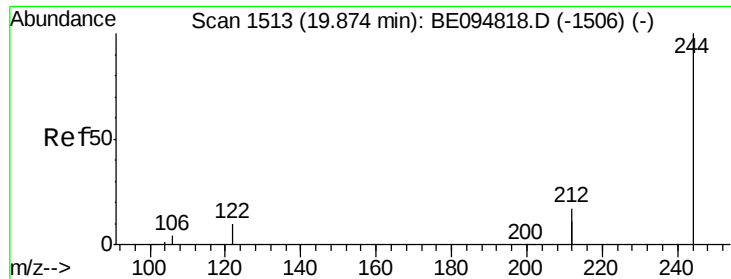
Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Tgt Ion:202 Resp: 6920  
 Ion Ratio Lower Upper  
 202 100  
 200 20.7 16.6 25.0  
 203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.336 ng

RT: 19.87 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BE094819.D

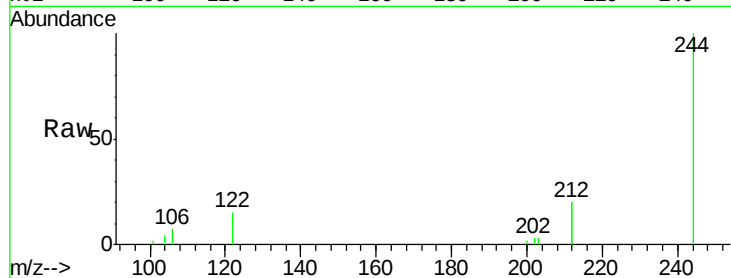
Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

ClientSampleId :

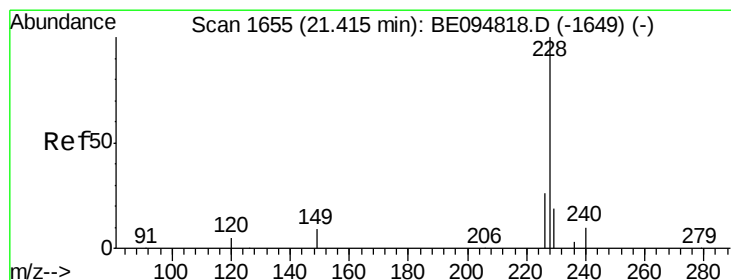
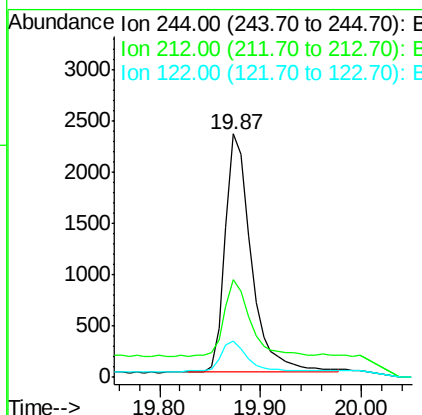
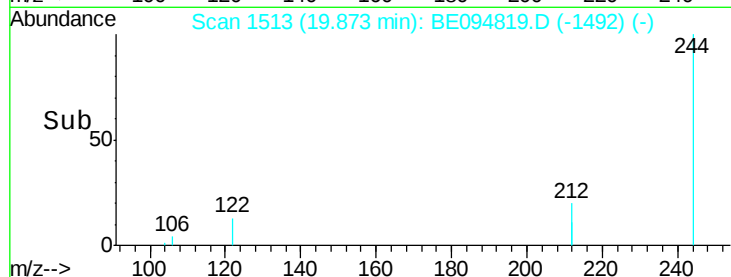
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 4203  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 39.9  | 25.4  | 38.0# |
| 122       | 15.1  | 8.1   | 12.1# |

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#30

Benzo(a)anthracene

Concen: 0.346 ng

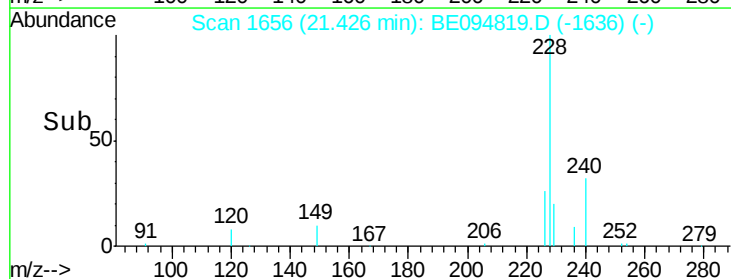
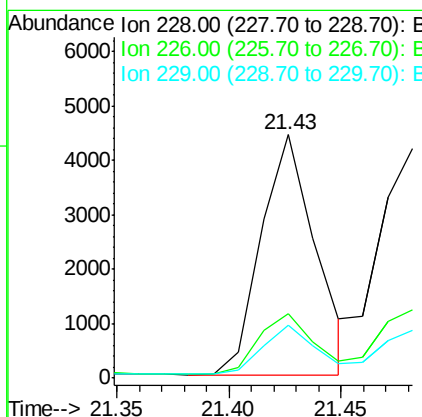
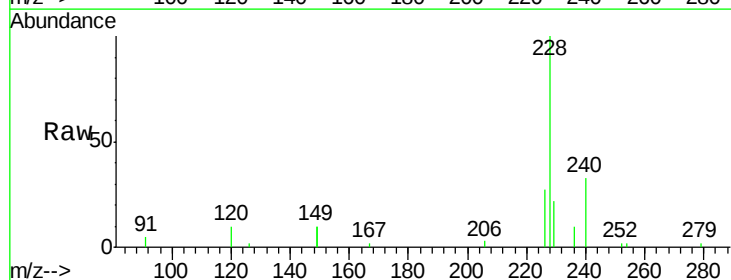
RT: 21.43 min Scan# 1656

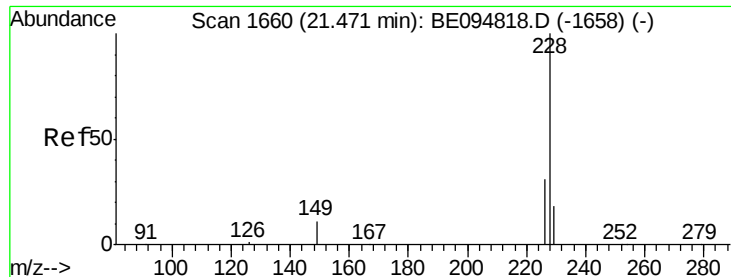
Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 7481  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 26.7  | 40.0  | 60.0# |
| 229       | 21.5  | 40.0  | 60.0# |





#31

Chrysene

Concen: 0.382 ng

RT: 21.48 min Scan# 1661

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

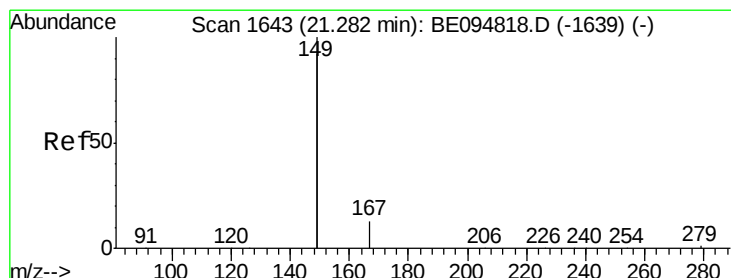
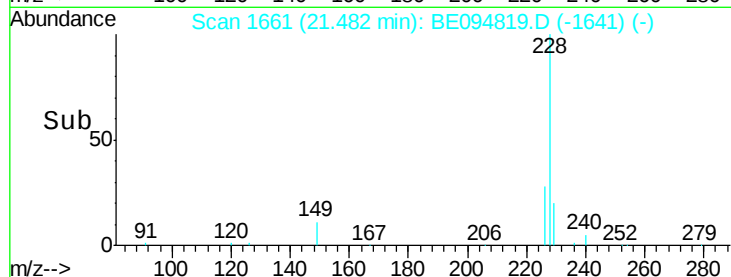
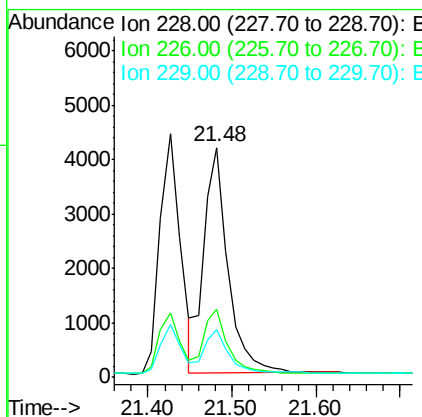
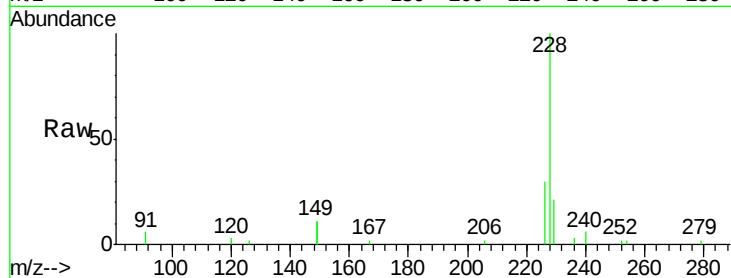
ClientSampleId :

PB104239BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 8374  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.6  | 40.0  | 60.0# |
| 229       | 21.0  | 40.0  | 60.0# |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.347 ng

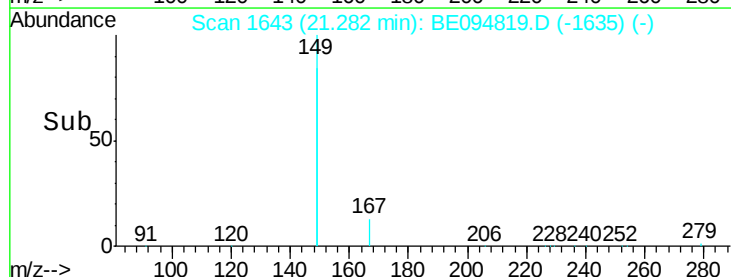
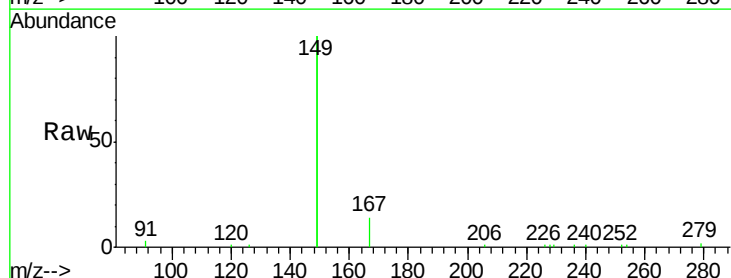
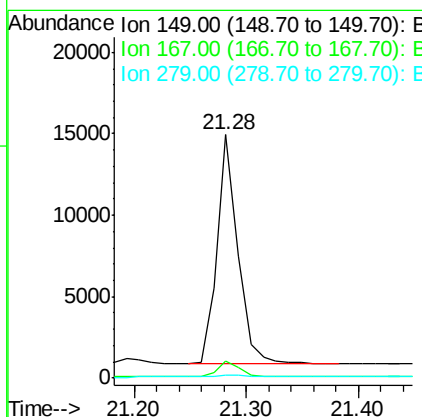
RT: 21.28 min Scan# 1643

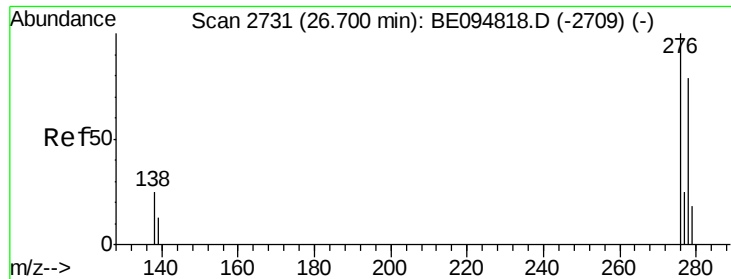
Delta R.T. -0.01 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 18406 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.1   | 5.4   | 8.0   |
| 279       | 1.0   | 0.7   | 1.1   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.461 ng

RT: 26.71 min Scan# 2733

Delta R.T. 0.08 min

Lab File: BE094819.D

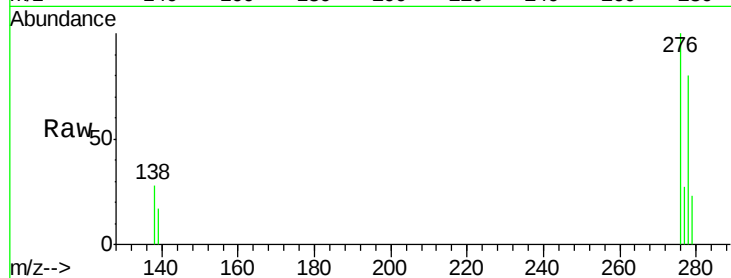
Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

ClientSampleId :

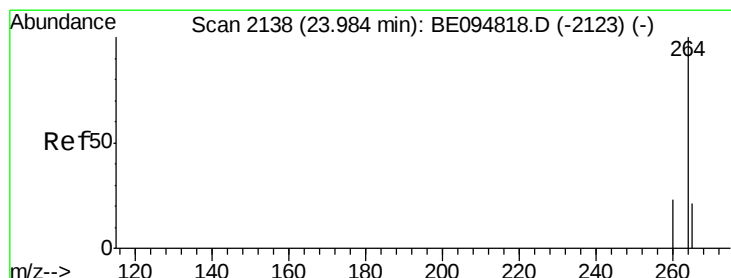
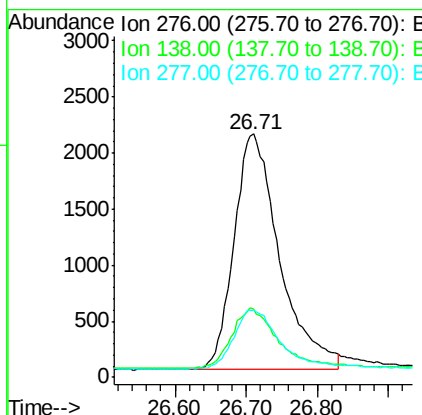
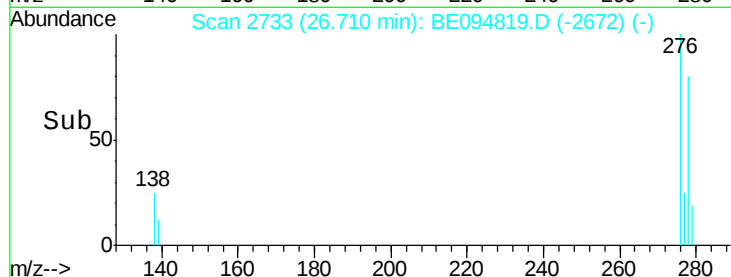
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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 9358 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 25.8  | 22.5  | 33.7 |
| 277       | 25.2  | 19.9  | 29.9 |

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#34

Perylene-d12

Concen: 0.400 ng

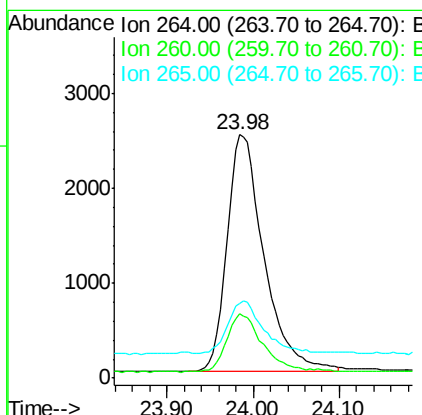
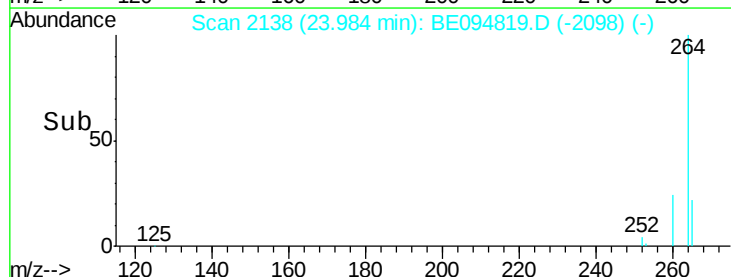
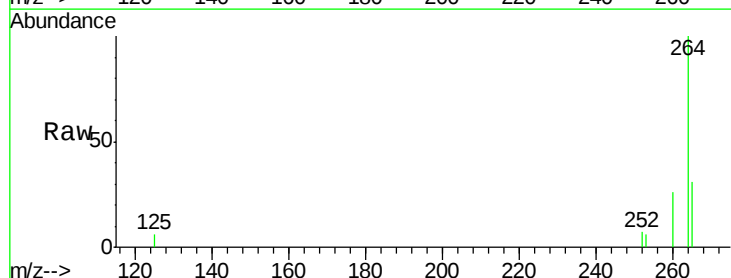
RT: 23.98 min Scan# 2138

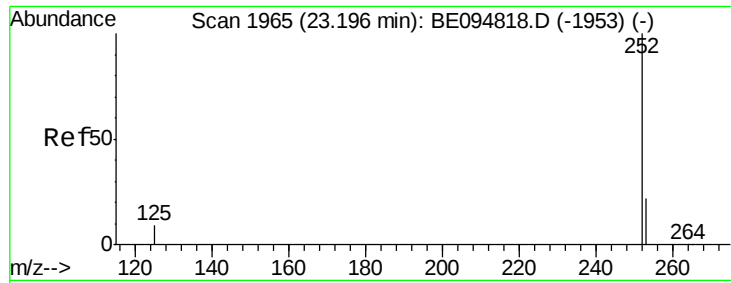
Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 264   | Resp: | 7472 |
| Ion Ratio | Lower | Upper |      |
| 264       | 100   |       |      |
| 260       | 26.2  | 20.5  | 30.7 |
| 265       | 30.9  | 22.8  | 34.2 |





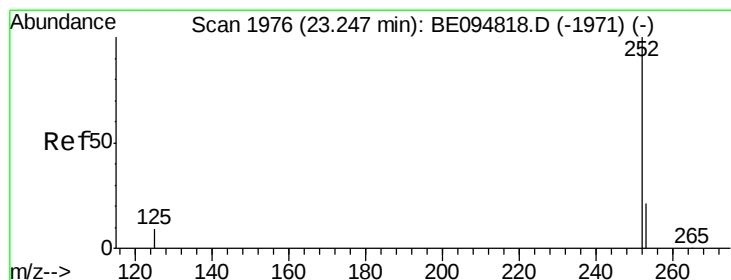
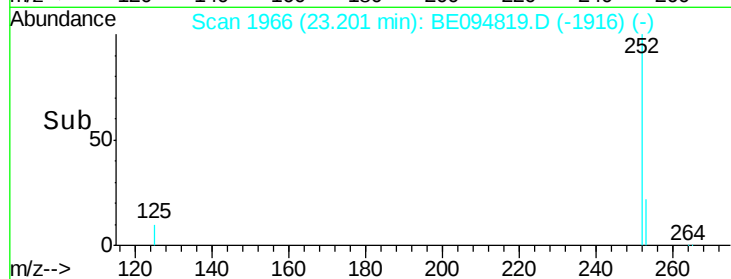
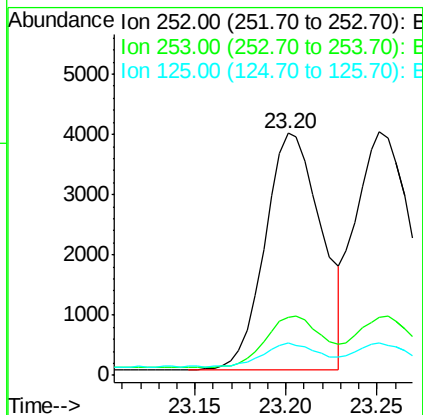
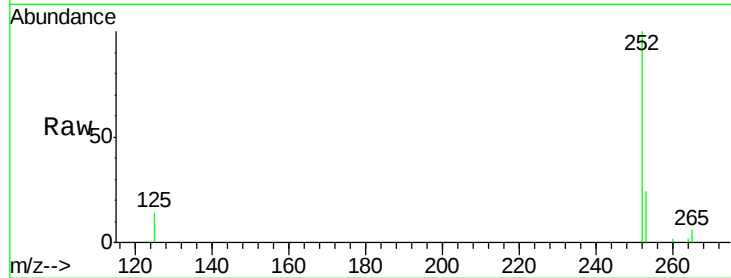
#35  
Benzo(b)fluoranthene  
Concen: 0.351 ng  
RT: 23.20 min Scan# 1966  
Delta R.T. 0.03 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 48.0  | 72.0# |
| 125     | 13.7  | 56.0  | 84.0# |

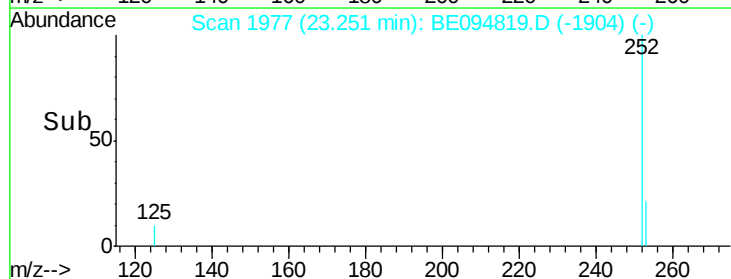
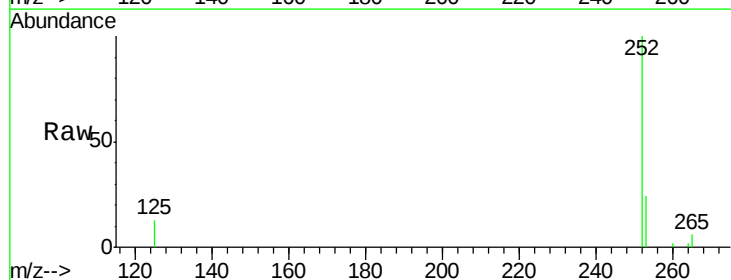
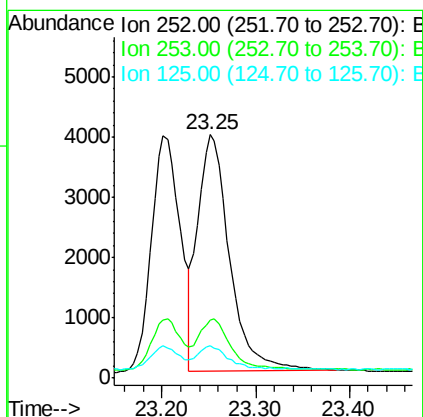
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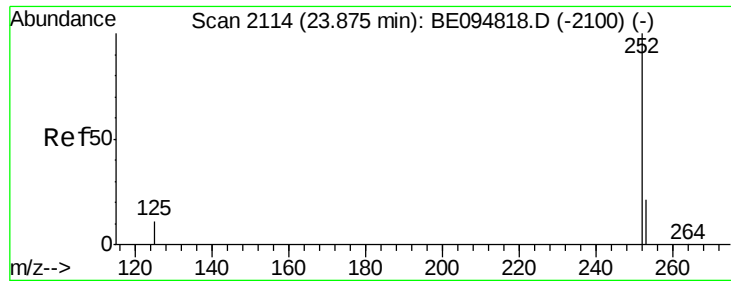
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#36  
Benzo(k)fluoranthene  
Concen: 0.359 ng  
RT: 23.25 min Scan# 1977  
Delta R.T. 0.03 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 48.0  | 72.0# |
| 125     | 13.1  | 56.0  | 84.0# |





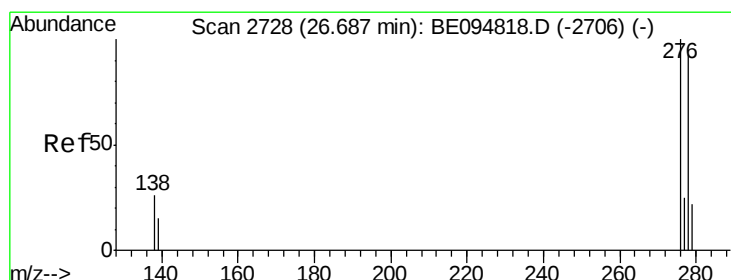
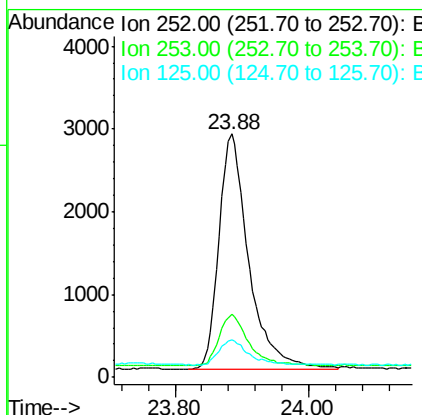
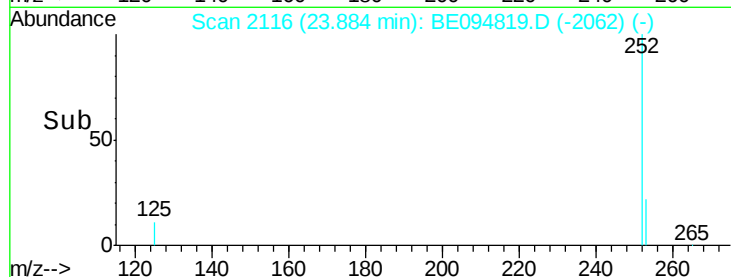
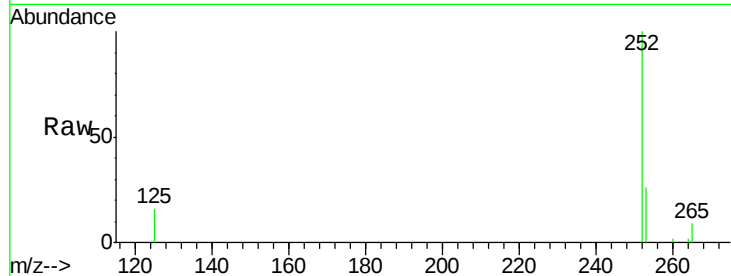
#37  
Benzo(a)pyrene  
Concen: 0.376 ng  
RT: 23.88 min Scan# 2116  
Delta R.T. 0.05 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

Instrument :  
BNA\_E  
ClientSampleId :  
PB104239BS

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 252     | 100   |       |        |
| 253     | 25.9  | 52.0  | 78.0#  |
| 125     | 15.6  | 68.0  | 102.0# |

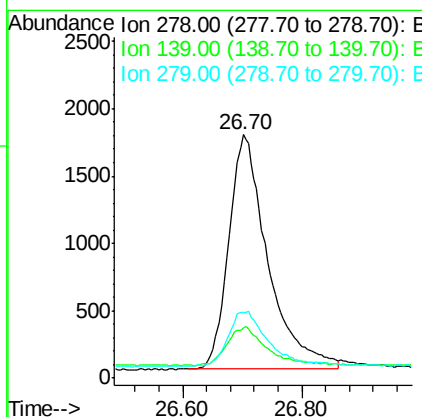
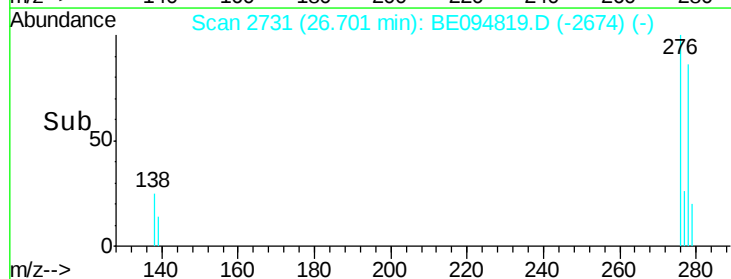
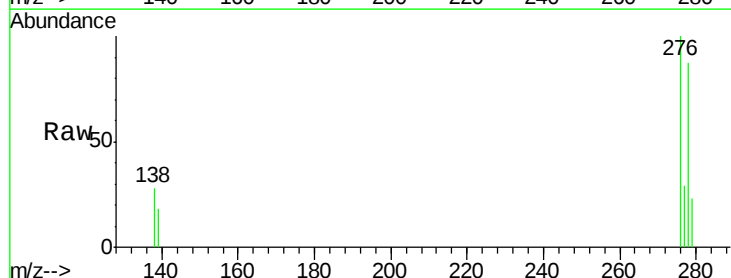
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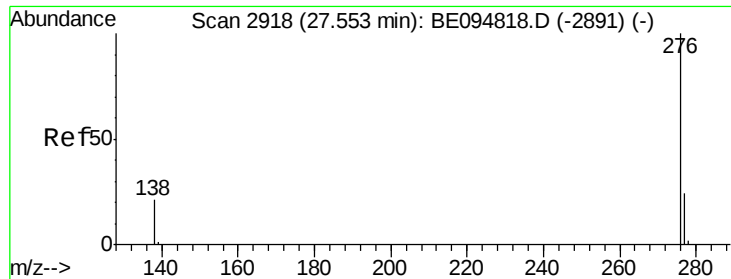
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.378 ng  
RT: 26.70 min Scan# 2731  
Delta R.T. 0.06 min  
Lab File: BE094819.D  
Acq: 15 Nov 2017 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.9  | 56.0  | 84.0# |
| 279     | 27.0  | 52.0  | 78.0# |





#39

Benzo(g,h,i)perylene

Concen: 0.405 ng

RT: 27.55 min Scan# 2918

Delta R.T. 0.09 min

Lab File: BE094819.D

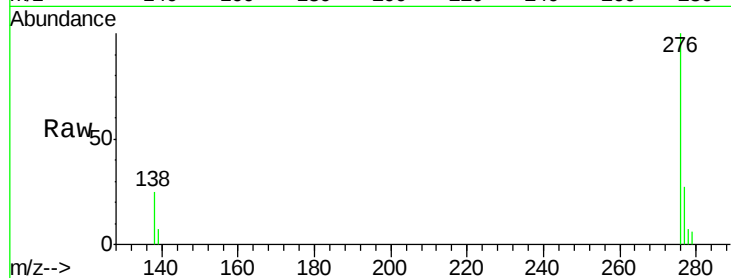
Acq: 15 Nov 2017 17:48

Instrument :

BNA\_E

ClientSampleId :

PB104239BS



Tgt Ion: 276 Resp: 7988

Ion Ratio Lower Upper

276 100

277 27.2 52.0 78.0#

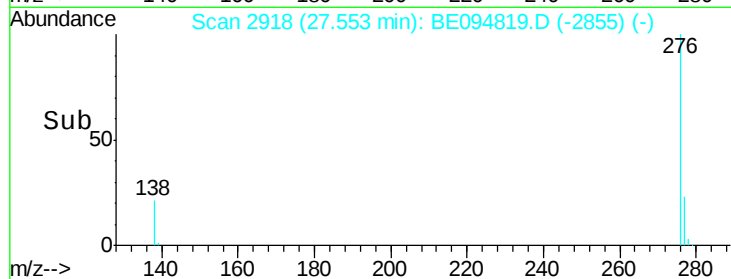
138 25.1 44.0 66.0#

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

