

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE041318\  
 Data File : BE095990.D  
 Acq On : 13 Apr 2018 10:50  
 Operator : SJ/JU  
 Sample : PB108058BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB108058BSD

Manual Integrations  
 APPROVED

Sohil  
 4/16/2018 2:24:56 AM

Quant Time: Apr 13 14:49:20 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 13 14:42:08 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.38  | 152  | 1333     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.22 | 136  | 4861     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.97 | 164  | 2412     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.67 | 188  | 5396     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.78 | 240  | 6103     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.38 | 264  | 6056     | 0.40 | ng    | 0.00     |

## System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.89  | 112 | 1379  | 0.33 | ng | 0.00 |
| 5) Phenol-d6                | 7.53  | 99  | 1793  | 0.32 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.57  | 82  | 1769m | 0.31 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.76 | 152 | 2183  | 0.28 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.44 | 330 | 266   | 0.23 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.61 | 172 | 3394  | 0.33 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.66 | 212 | 20477 | 0.28 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.22 | 244 | 3886  | 0.29 | ng | 0.00 |

## Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.63  | 88  | 870   | 0.423 | ng | # 80   |
| 3) n-Nitrosodimethylamine      | 3.98  | 42  | 810   | 0.321 | ng | # 82   |
| 6) bis(2-Chloroethyl)ether     | 7.78  | 93  | 1434  | 0.286 | ng | 94     |
| 9) Naphthalene                 | 11.27 | 128 | 15671 | 0.306 | ng | 99     |
| 10) Hexachlorobutadiene        | 11.53 | 225 | 592   | 0.261 | ng | 94     |
| 12) 2-Methylnaphthalene        | 12.83 | 142 | 2599  | 0.306 | ng | 94     |
| 16) Acenaphthylene             | 14.69 | 152 | 3741  | 0.290 | ng | 100    |
| 17) Acenaphthene               | 15.02 | 154 | 2233  | 0.289 | ng | 93     |
| 18) Fluorene                   | 15.99 | 166 | 2874  | 0.300 | ng | # 79   |
| 20) 4-Bromophenyl-phenylether  | 16.87 | 248 | 892   | 0.278 | ng | # 83   |
| 21) Hexachlorobenzene          | 17.00 | 284 | 943   | 0.295 | ng | # 82   |
| 22) Pentachlorophenol          | 17.33 | 266 | 292   | 0.334 | ng | # 79   |
| 23) Phenanthrene               | 17.72 | 178 | 4588  | 0.303 | ng | 99     |
| 24) Anthracene                 | 17.80 | 178 | 4447  | 0.307 | ng | 95     |
| 26) Fluoranthene               | 19.69 | 202 | 5841  | 0.293 | ng | 97     |
| 28) Pyrene                     | 20.05 | 202 | 2755  | 0.229 | ng | # 93   |
| 30) Benzo(a)anthracene         | 21.75 | 228 | 5946  | 0.304 | ng | 98     |
| 31) Chrysene                   | 21.81 | 228 | 5784  | 0.306 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 13675 | 0.271 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 27.18 | 276 | 6275  | 0.342 | ng | 95     |
| 35) Benzo(b)fluoranthene       | 23.57 | 252 | 5939  | 0.327 | ng | # 92   |
| 36) Benzo(k)fluoranthene       | 23.63 | 252 | 5793  | 0.310 | ng | # 91   |
| 37) Benzo(a)pyrene             | 24.26 | 252 | 5576  | 0.319 | ng | # 92   |
| 38) Dibenzo(a,h)anthracene     | 27.19 | 278 | 4996  | 0.325 | ng | 96     |
| 39) Benzo(g,h,i)perylene       | 28.04 | 276 | 5383  | 0.331 | ng | # 93   |

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

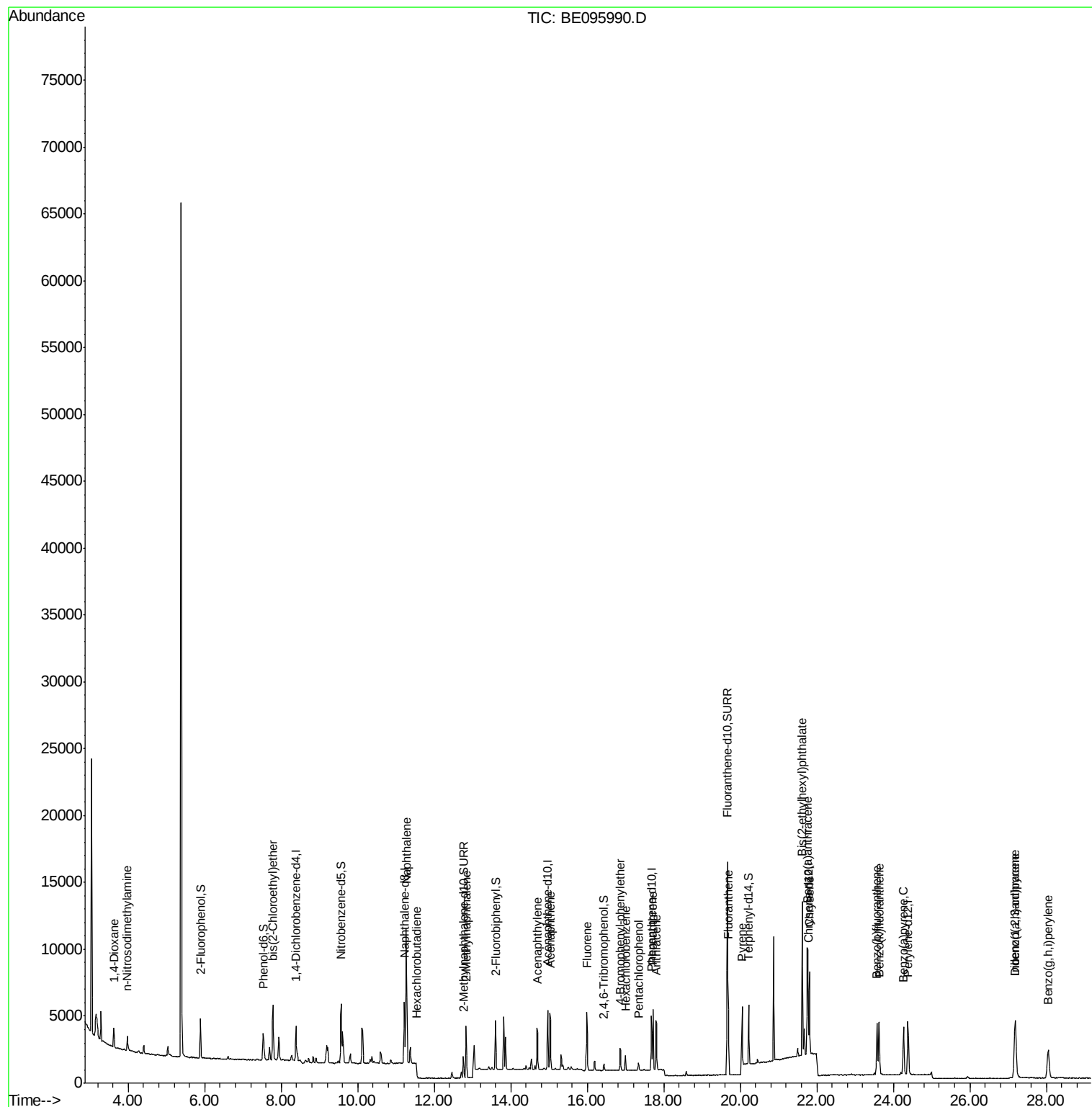
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE041318\  
Data File : BE095990.D  
Acq On : 13 Apr 2018 10:50  
Operator : SJ/JU  
Sample : PB108058BSD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

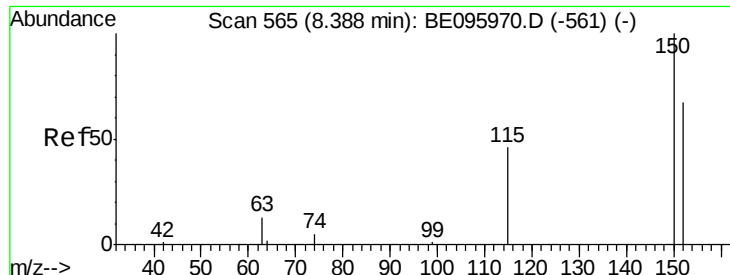
Instrument :  
BNA\_E  
ClientSampleId :  
PB108058BSD

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Quant Time: Apr 13 14:49:20 2018  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE041118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 13 14:42:08 2018  
Response via : Initial Calibration





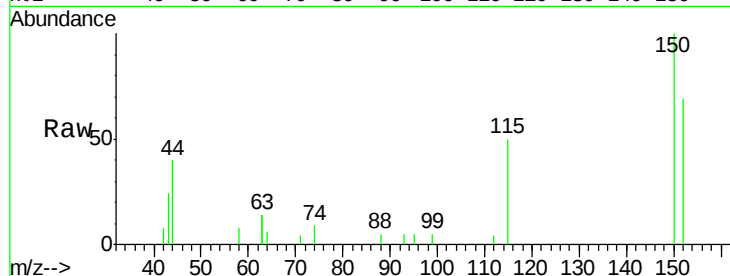
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.38 min Scan# 564  
 Delta R.T. -0.01 min  
 Lab File: BE095990.D  
 Acq: 13 Apr 2018 10:50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB108058BSD

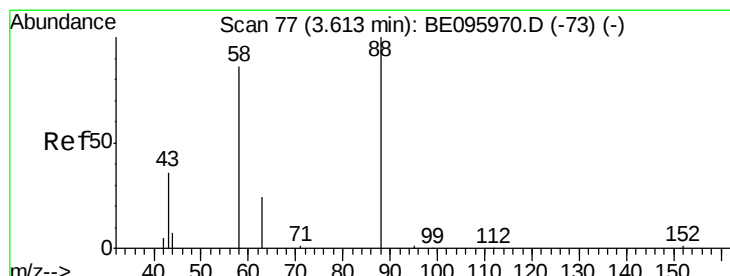
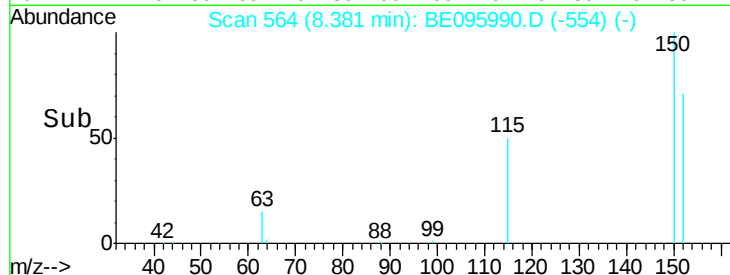
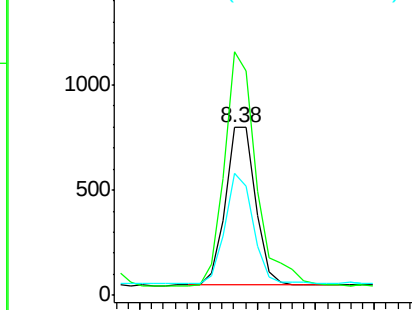
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.1 | 117.2 | 175.8 |
| 115     | 72.9  | 57.0  | 85.6  |

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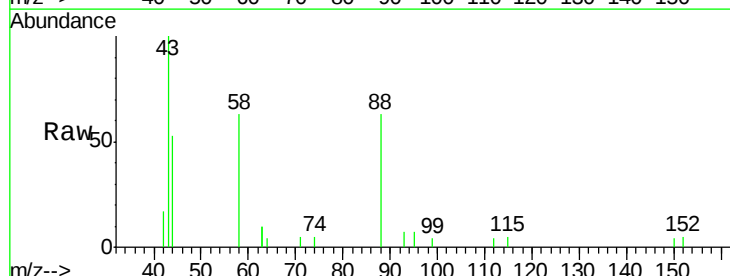


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

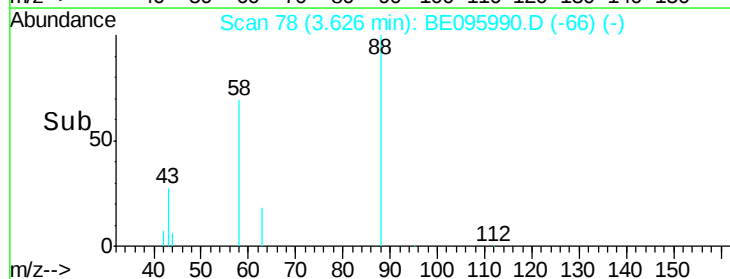
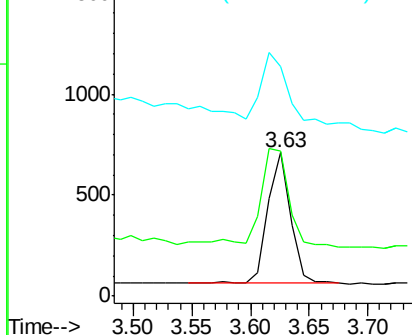


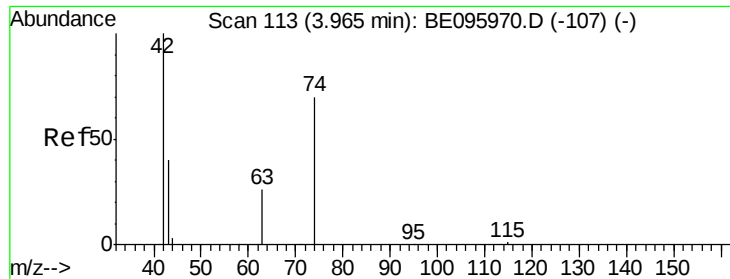
#2  
 1,4-Dioxane  
 Concen: 0.423 ng  
 RT: 3.63 min Scan# 78  
 Delta R.T. 0.01 min  
 Lab File: BE095990.D  
 Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 100.3 | 63.2  | 94.8# |
| 43      | 61.4  | 41.2  | 61.8  |



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

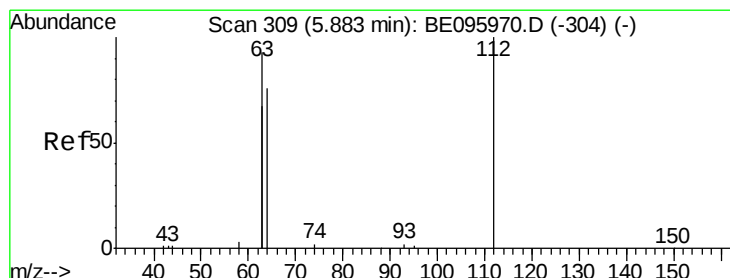
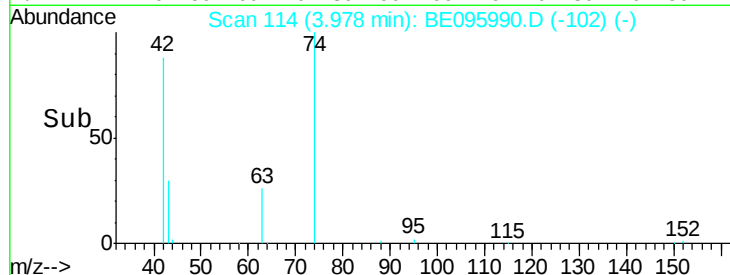
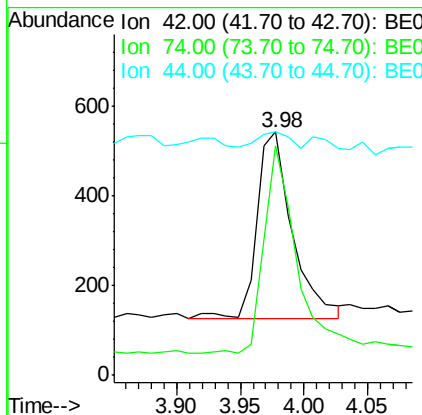
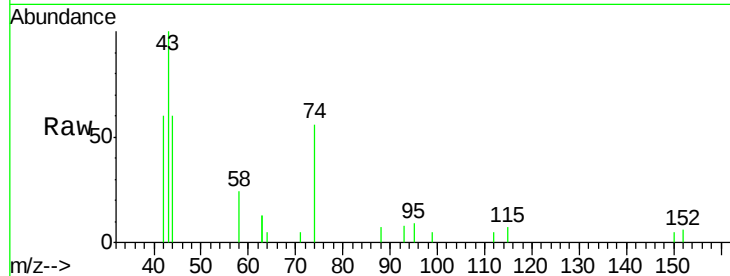
n-Nitrosodimethylamine  
 Concen: 0.321 ng  
 RT: 3.98 min Scan# 114  
 Delta R.T. 0.01 min  
 Lab File: BE095990.D  
 Acq: 13 Apr 2018 10:50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 99.5  | 96.0  | 144.0 |
| 44      | 7.3   | 12.0  | 18.0# |

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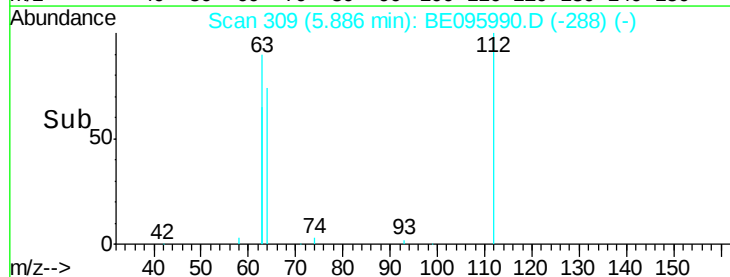
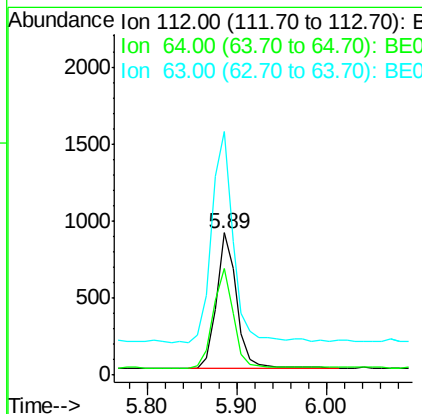
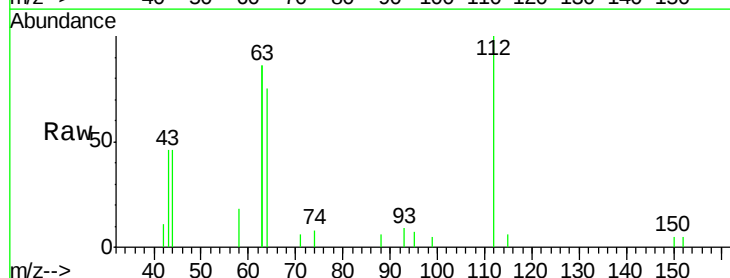
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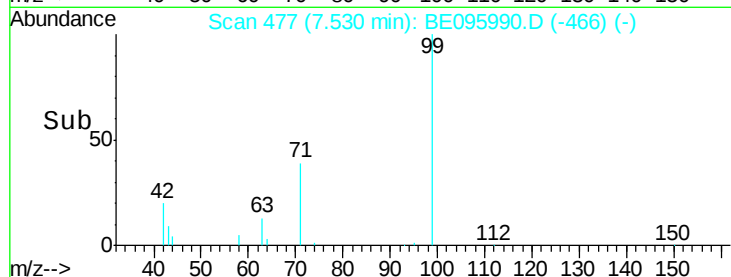
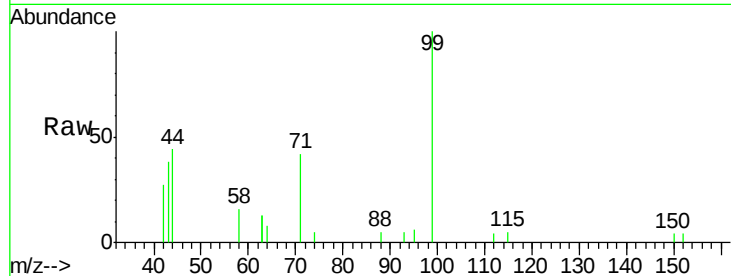
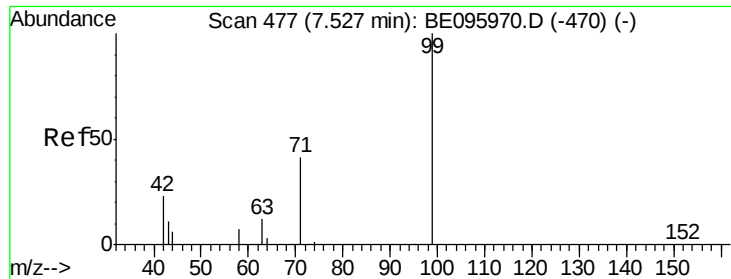


#4

2-Fluorophenol  
 Concen: 0.334 ng  
 RT: 5.89 min Scan# 309  
 Delta R.T. 0.00 min  
 Lab File: BE095990.D  
 Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.9  | 60.1  | 90.1  |
| 63      | 161.7 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.315 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1793  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 26.2  | 20.2  | 30.2  |
| 71       | 42.1  | 28.4  | 42.6  |

Instrument :

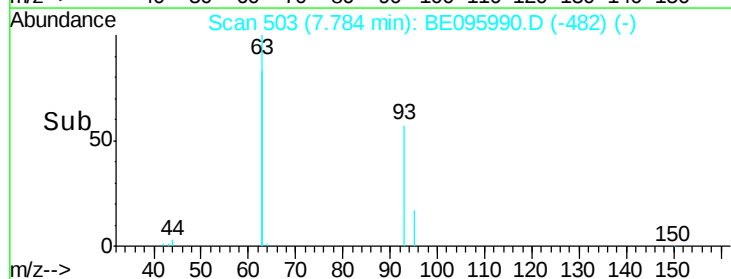
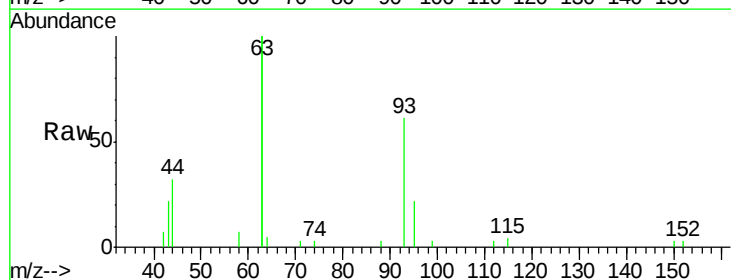
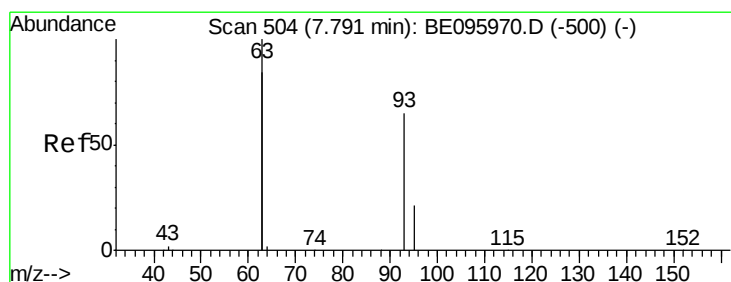
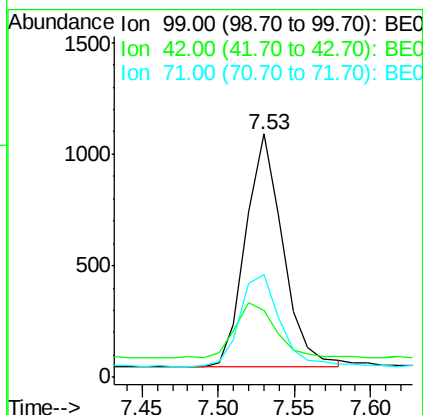
BNA\_E

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#6

bis(2-Chloroethyl)ether

Concen: 0.286 ng

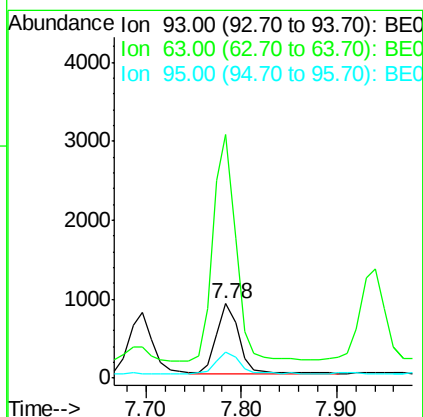
RT: 7.78 min Scan# 503

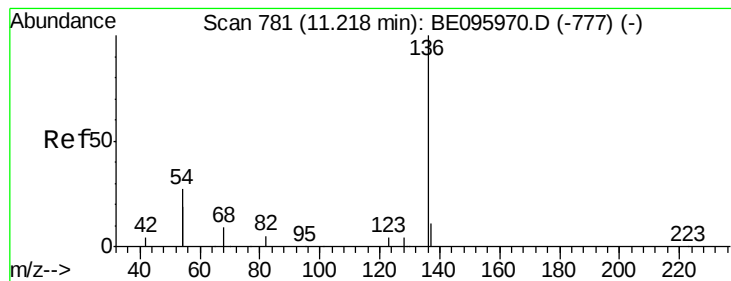
Delta R.T. 0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1434  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 329.3 | 275.3 | 412.9 |
| 95       | 31.7  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

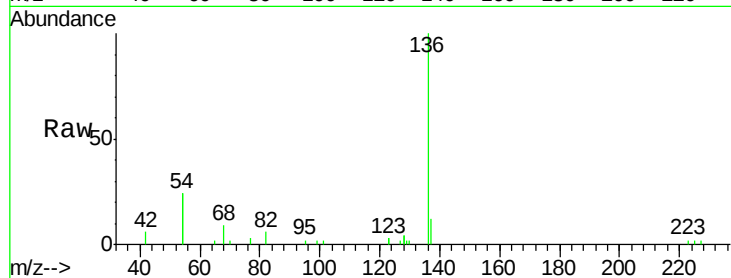
ClientSampleId :

PB108058BSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 4861 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 11.8  | 9.5   | 14.3 |
| 54        | 47.8  | 29.1  | 43.7 |
| 68        | 8.6   | 6.2   | 9.2  |

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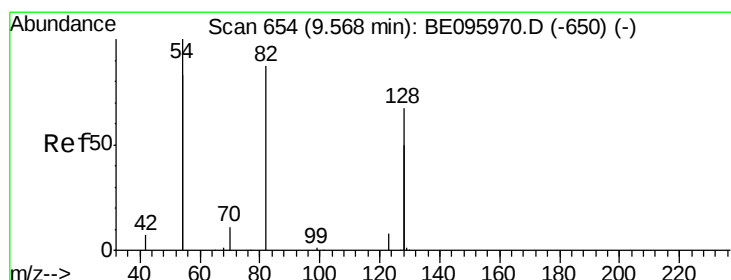
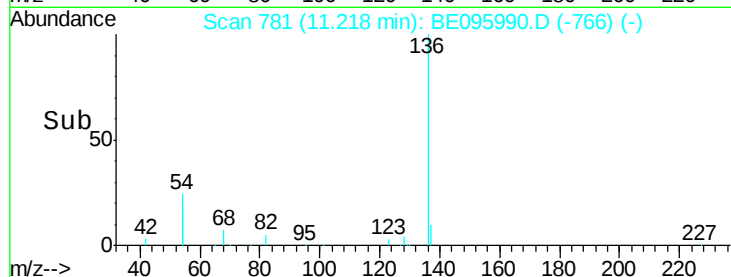
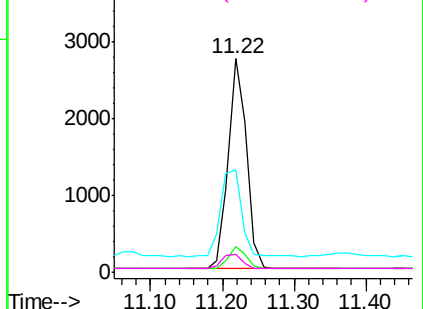


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.310 ng m

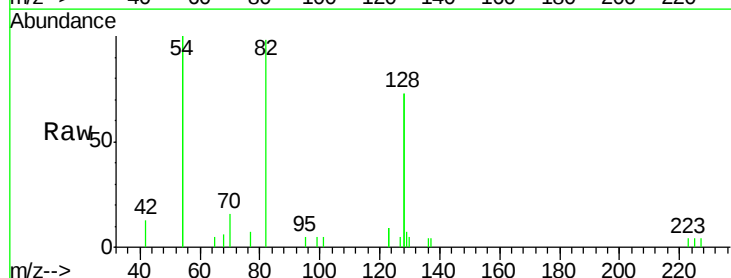
RT: 9.57 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

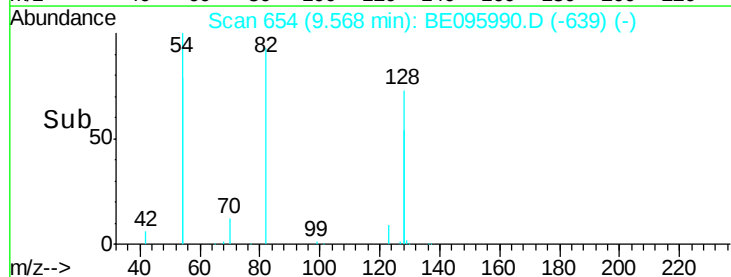
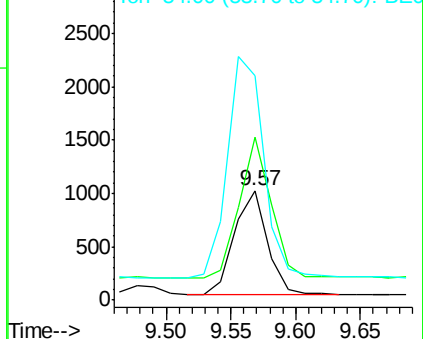
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 1769  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 74.5  | 150.0 | 225.0 |
| 54        | 102.4 | 154.2 | 231.4 |

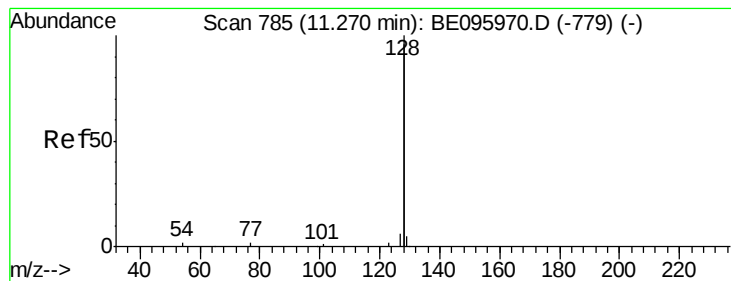


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.306 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

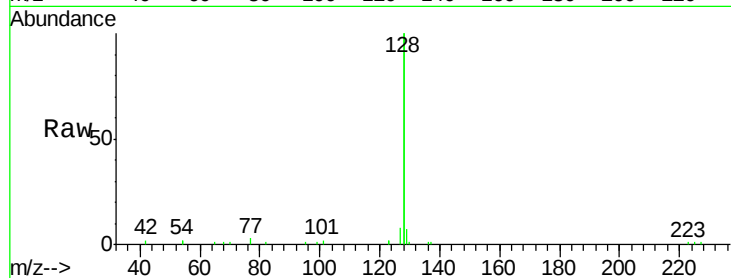
ClientSampleId :

PB108058BSD

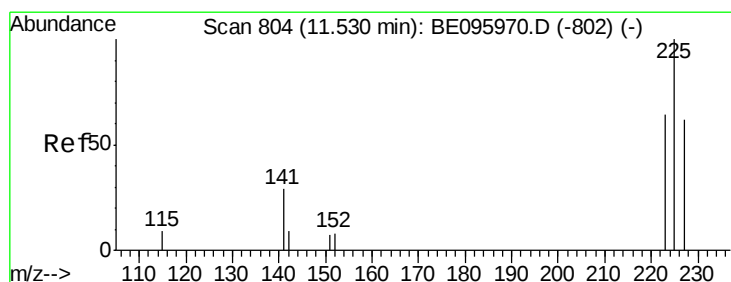
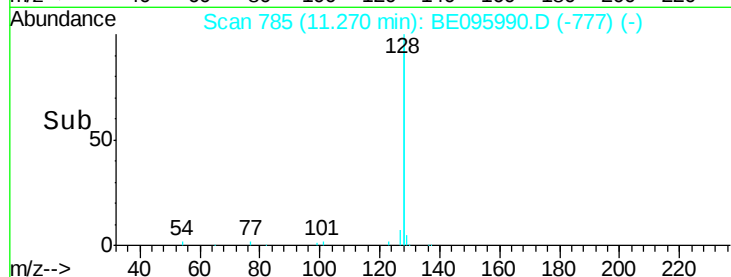
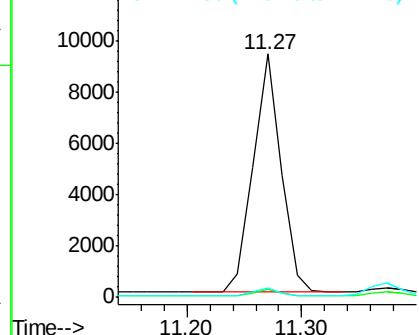
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 15671 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.3   | 2.6   | 3.8   |
| 127       | 3.9   | 2.8   | 4.2   |

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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: 0.261 ng

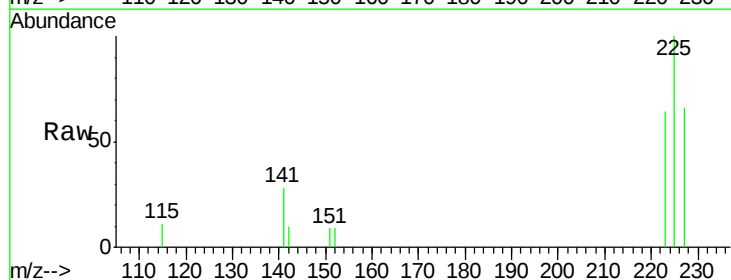
RT: 11.53 min Scan# 804

Delta R.T. -0.00 min

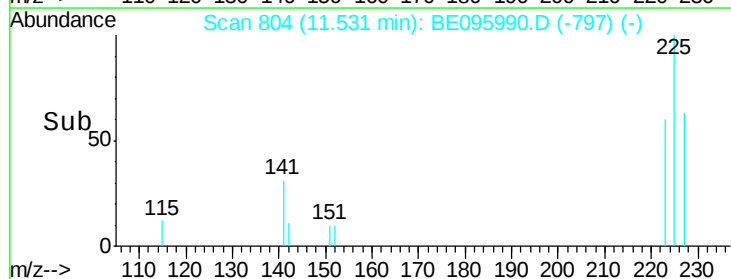
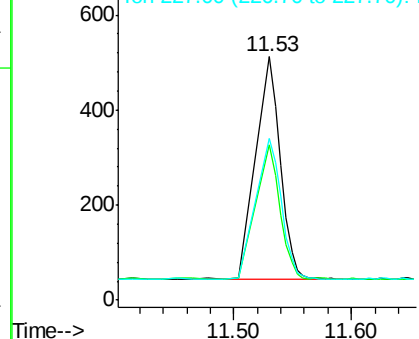
Lab File: BE095990.D

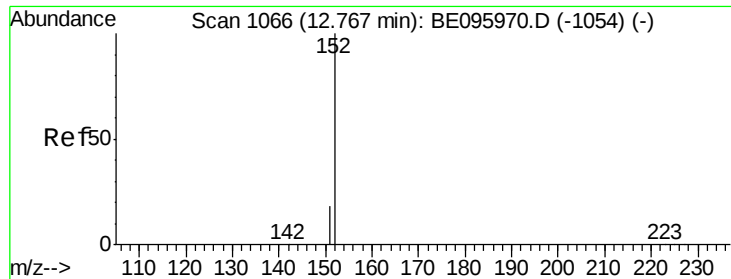
Acq: 13 Apr 2018 10:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 592  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.8  | 53.0  | 79.6 |
| 227       | 58.8  | 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





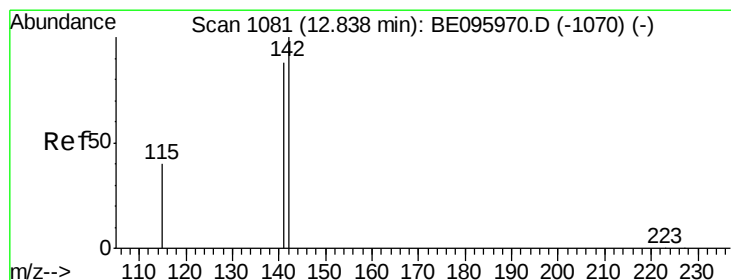
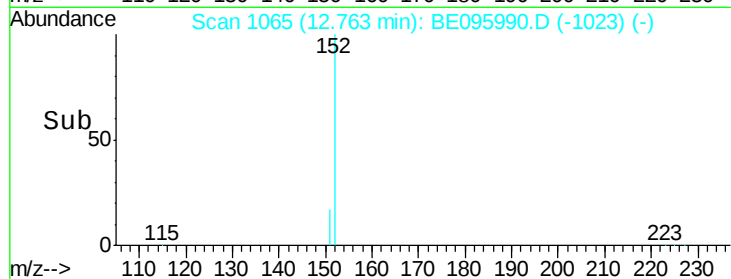
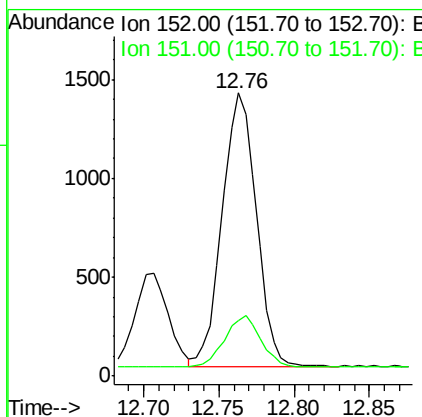
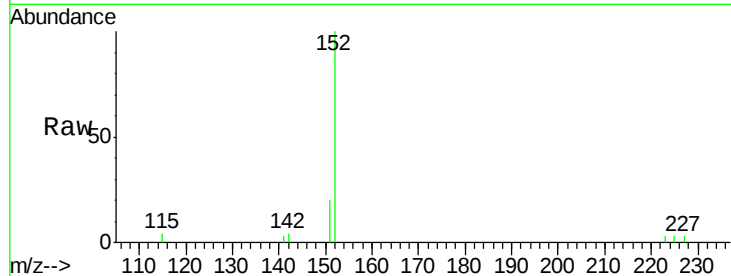
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.283 ng  
 RT: 12.76 min Scan# 1065  
 Delta R.T. -0.00 min  
 Lab File: BE095990.D  
 Acq: 13 Apr 2018 10:50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 15.4  | 23.0  |

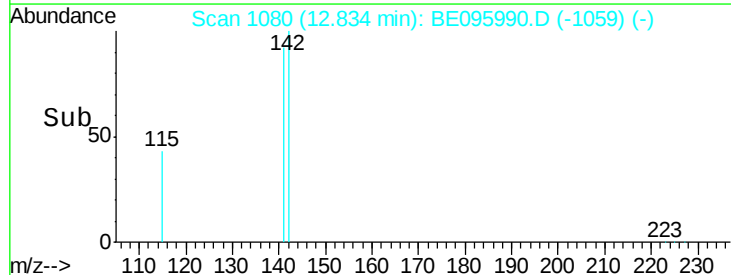
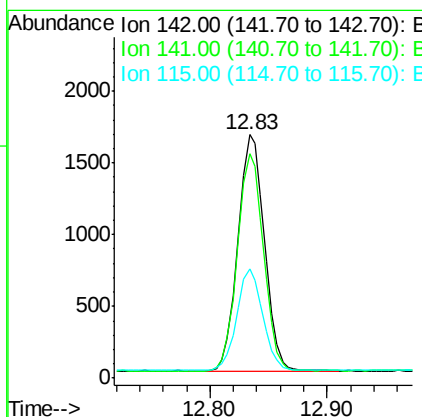
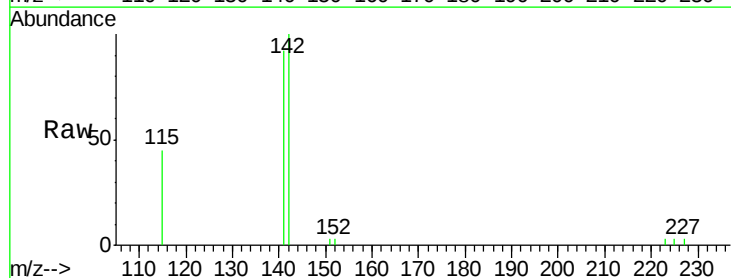
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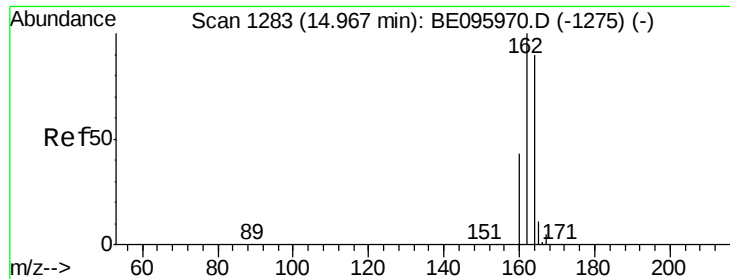
Sohil  
 4/16/2018 2:24:56 AM



#12  
 2-Methylnaphthalene  
 Concen: 0.306 ng  
 RT: 12.83 min Scan# 1080  
 Delta R.T. -0.00 min  
 Lab File: BE095990.D  
 Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.0  | 70.4  | 105.6 |
| 115     | 44.7  | 31.7  | 47.5  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

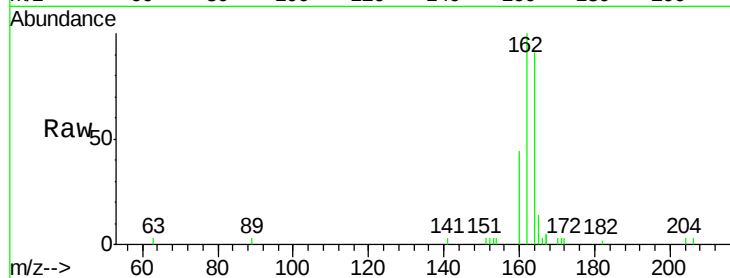
ClientSampleId :

PB108058BSD

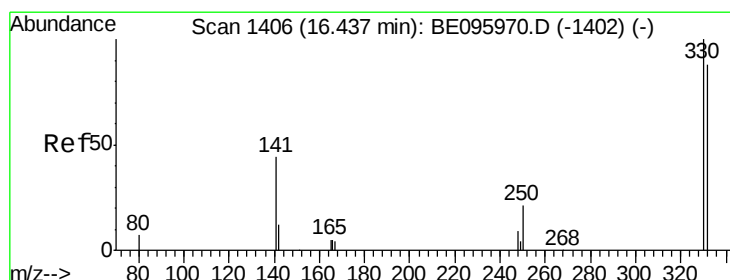
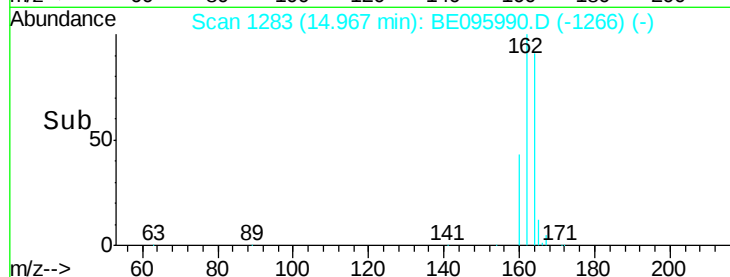
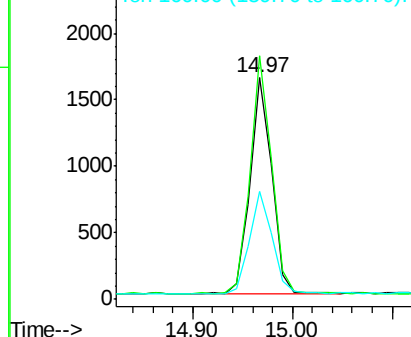
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 2412  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 110.0 | 83.1  | 124.7 |
| 160       | 48.5  | 37.1  | 55.7  |

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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: 0.228 ng

RT: 16.44 min Scan# 1406

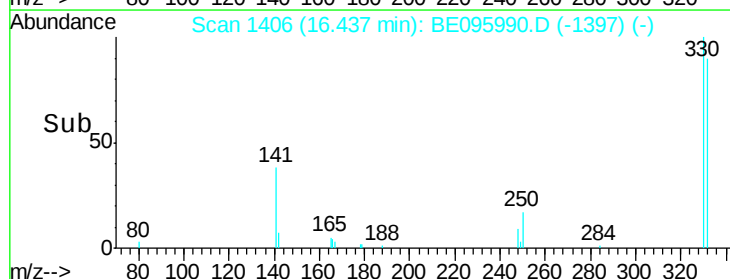
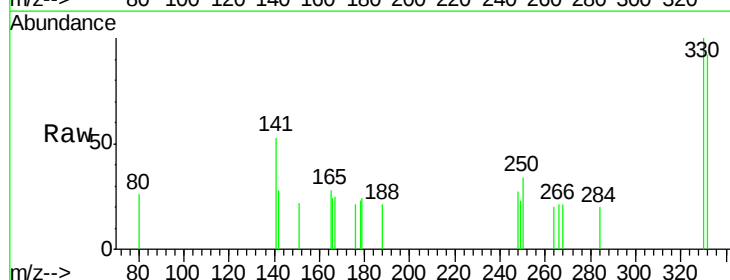
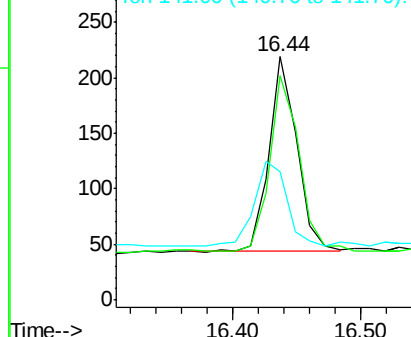
Delta R.T. -0.00 min

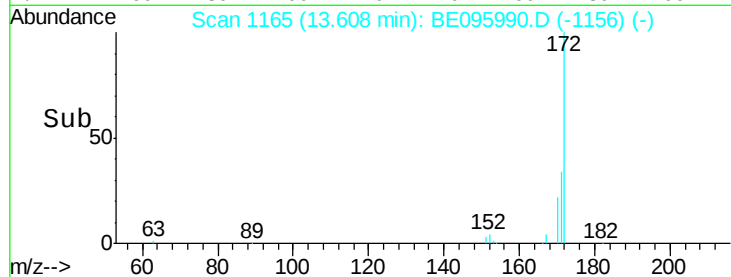
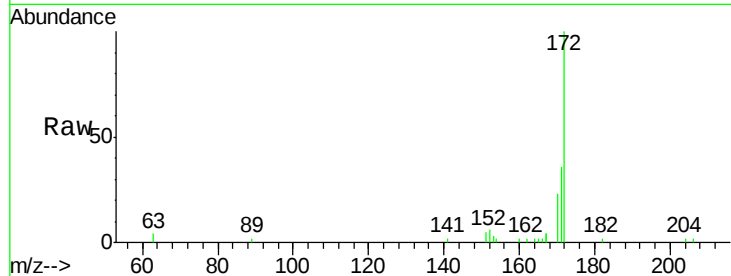
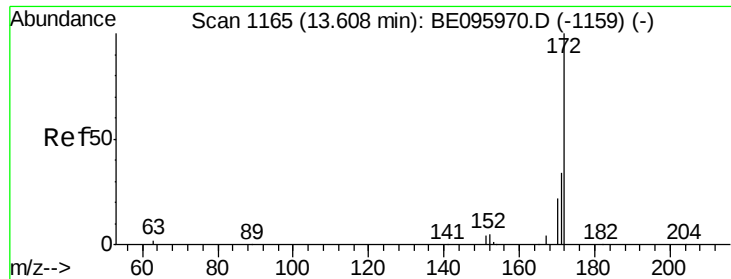
Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 266    |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.5  | 152.7 | 229.1# |
| 141       | 51.5  | 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





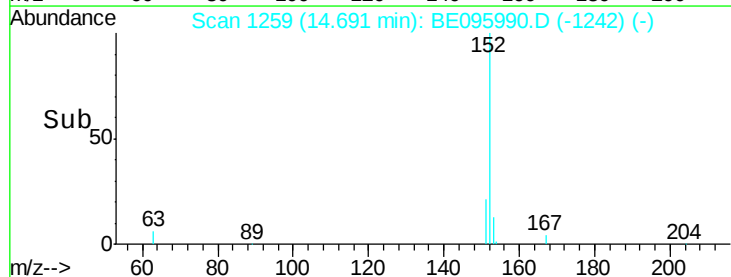
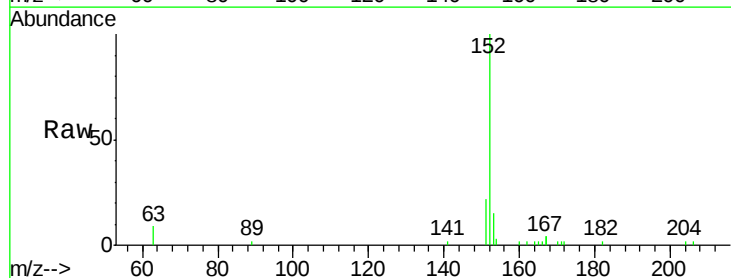
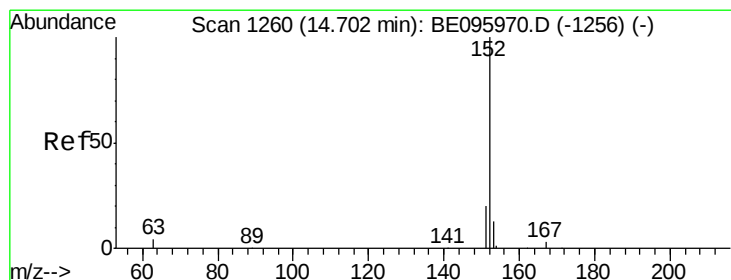
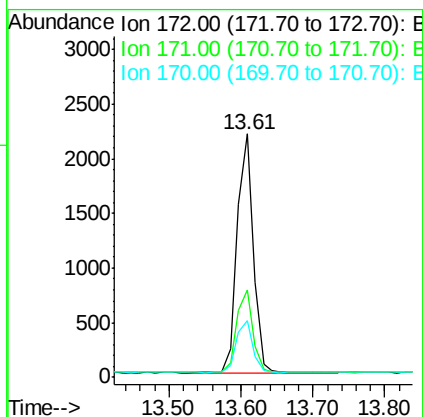
#15  
2-Fluorobiphenyl  
Concen: 0.329 ng  
RT: 13.61 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

Instrument :  
BNA\_E  
ClientSampleId :  
PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.9  | 44.9  |
| 170     | 23.2  | 21.8  | 32.8  |

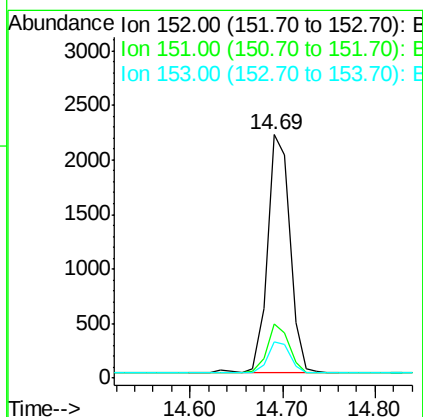
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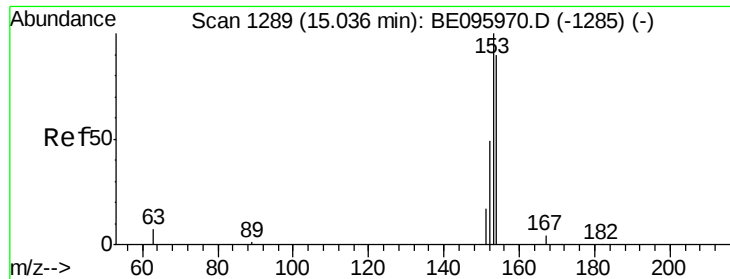
Sohil  
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#16  
Acenaphthylene  
Concen: 0.290 ng  
RT: 14.69 min Scan# 1259  
Delta R.T. 0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 15.7  | 23.5  |
| 153     | 13.1  | 10.5  | 15.7  |





#17

Acenaphthene

Concen: 0.289 ng

RT: 15.02 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

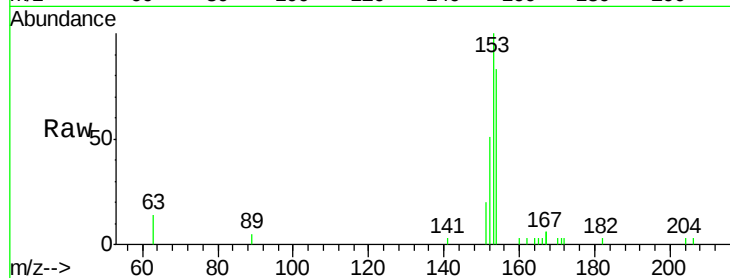
ClientSampleId :

PB108058BSD

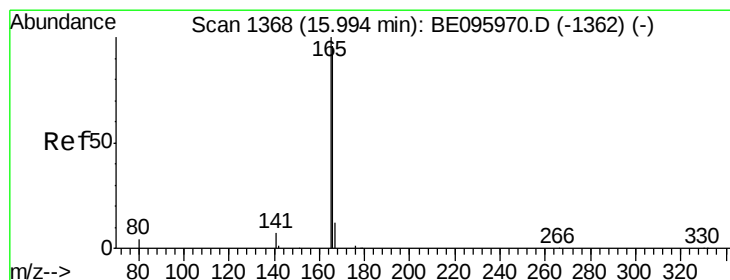
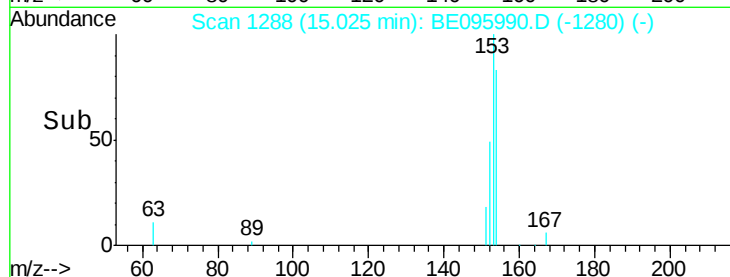
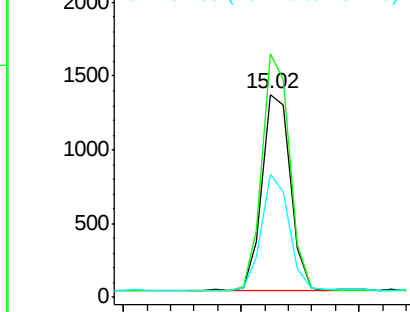
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 2233  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 118.0 | 89.2  | 133.8 |
| 152       | 57.9  | 42.0  | 63.0  |

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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: 0.300 ng

RT: 15.99 min Scan# 1368

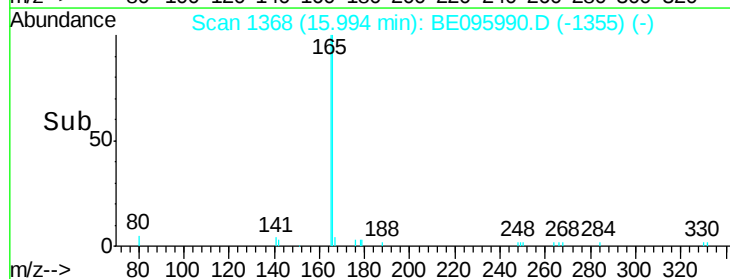
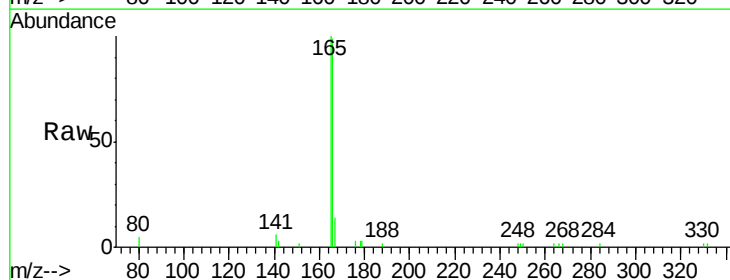
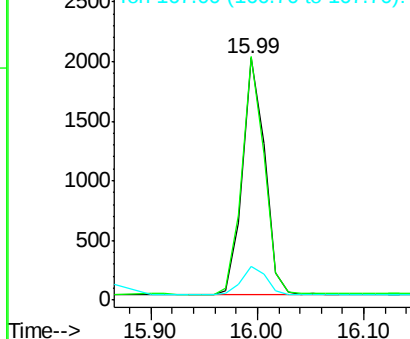
Delta R.T. -0.00 min

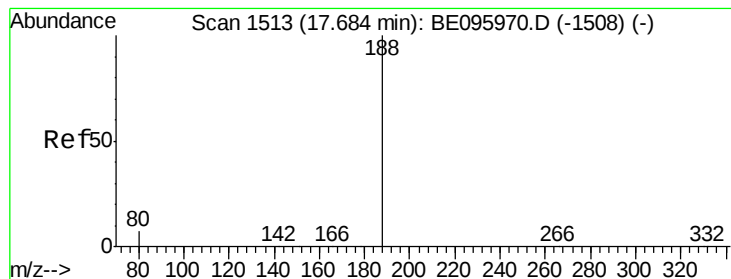
Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 2874  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.4  | 77.8  | 116.6 |
| 167       | 12.9  | 42.4  | 63.6# |

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: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

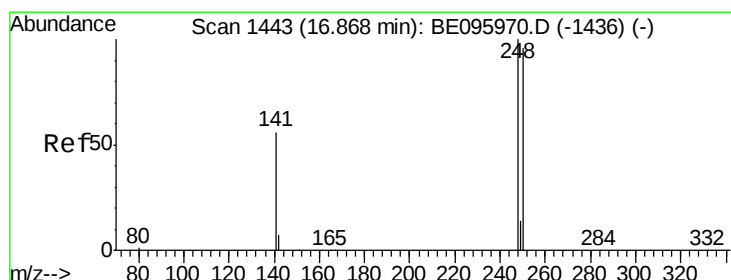
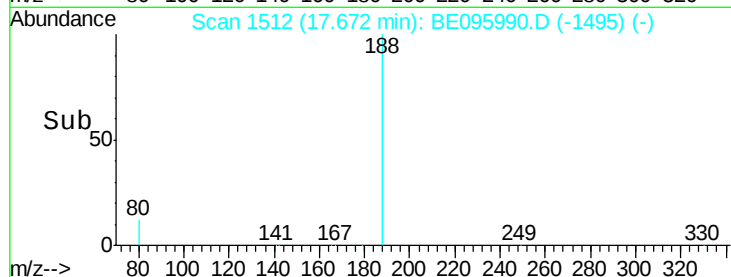
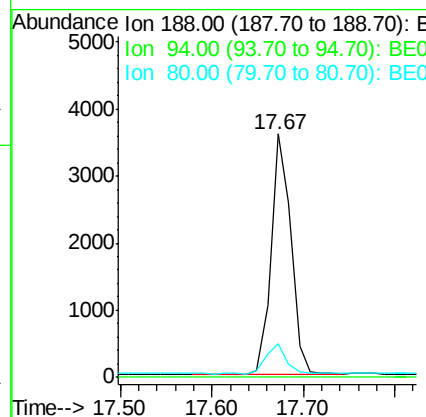
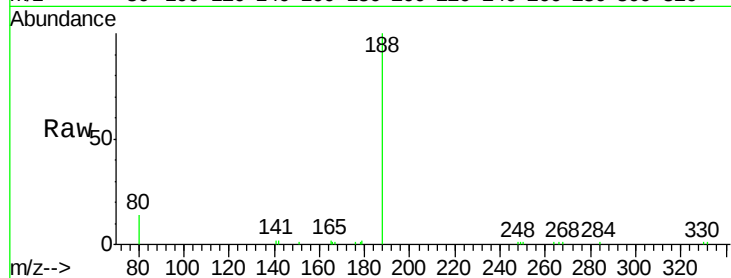
ClientSampleId :

PB108058BSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 5396 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 3.9   | 5.9# |
| 80        | 13.7  | 3.6   | 5.4# |

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#20

4-Bromophenyl-phenylether

Concen: 0.278 ng

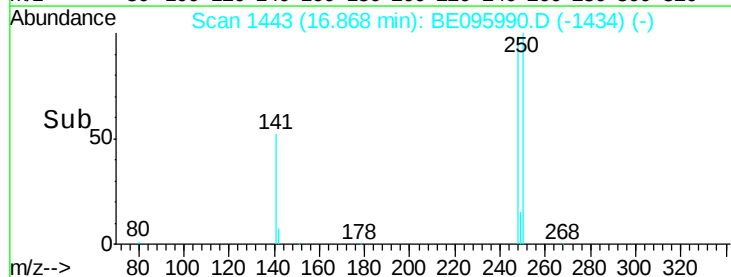
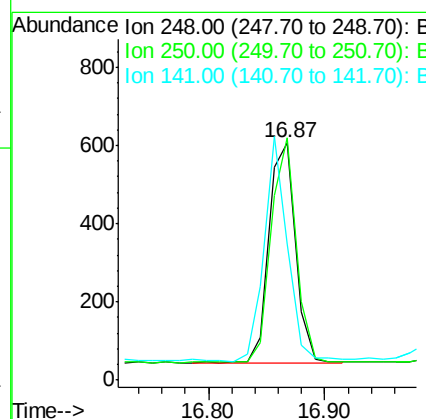
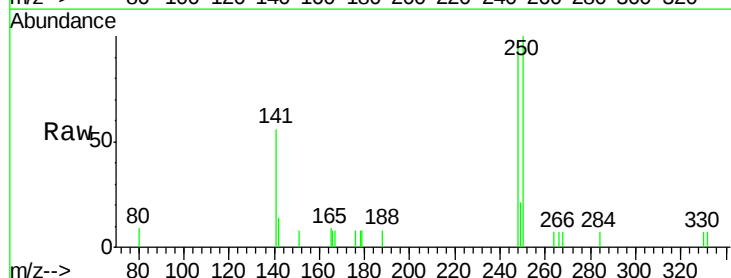
RT: 16.87 min Scan# 1443

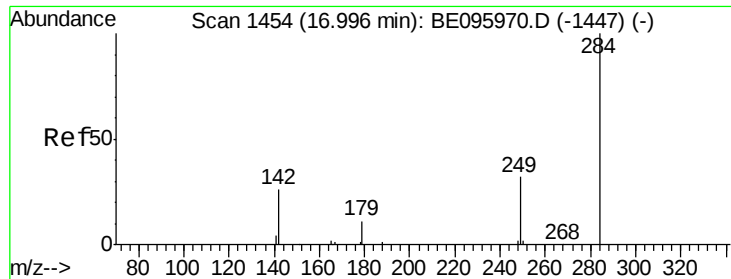
Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 892   |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 102.1 | 62.7  | 94.1# |
| 141       | 57.2  | 48.2  | 72.2  |





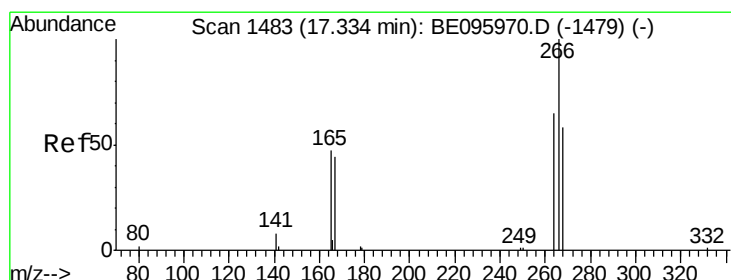
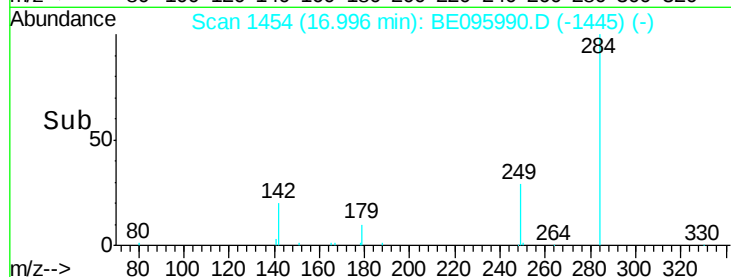
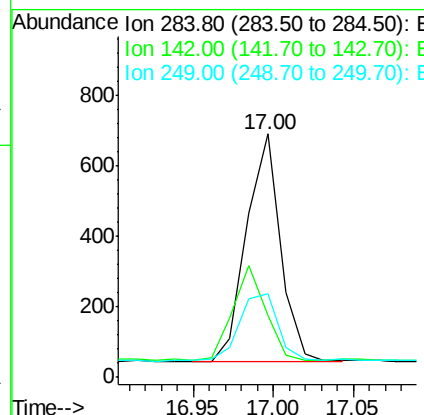
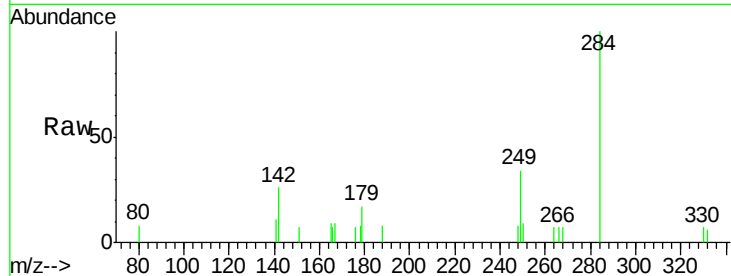
#21  
Hexachlorobenzene  
Concen: 0.295 ng  
RT: 17.00 min Scan# 1454  
Delta R.T. -0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

Instrument :  
BNA\_E  
ClientSampleId :  
PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 40.2  | 22.1  | 33.1# |
| 249     | 34.9  | 34.8  | 52.2  |

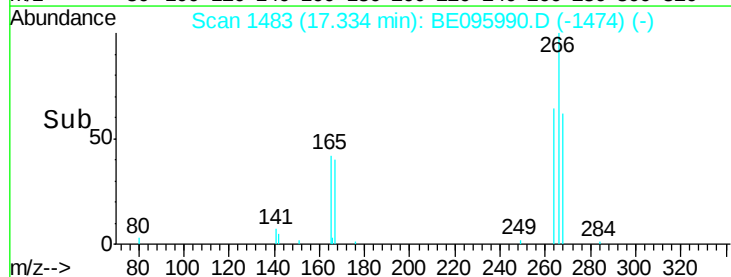
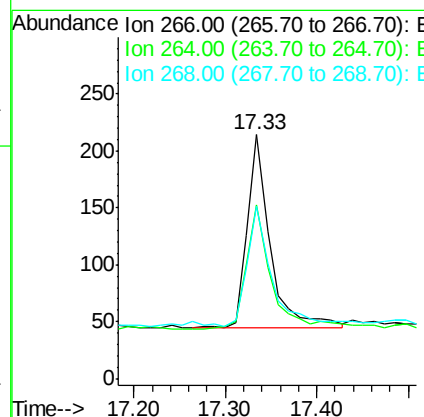
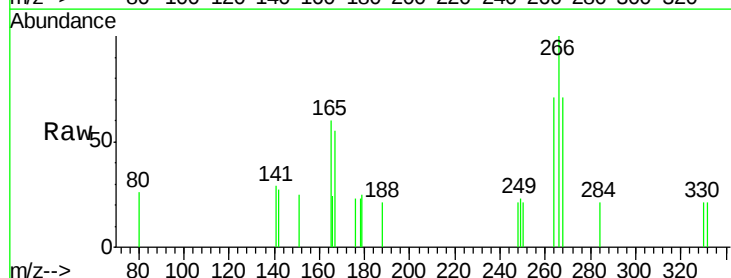
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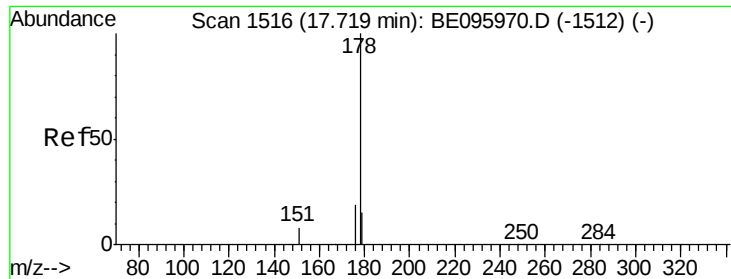
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#22  
Pentachlorophenol  
Concen: 0.334 ng  
RT: 17.33 min Scan# 1483  
Delta R.T. -0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 266     | 100   |       |        |
| 264     | 71.5  | 72.5  | 108.7# |
| 268     | 70.6  | 73.8  | 110.6# |





#23

Phenanthrene

Concen: 0.303 ng

RT: 17.72 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

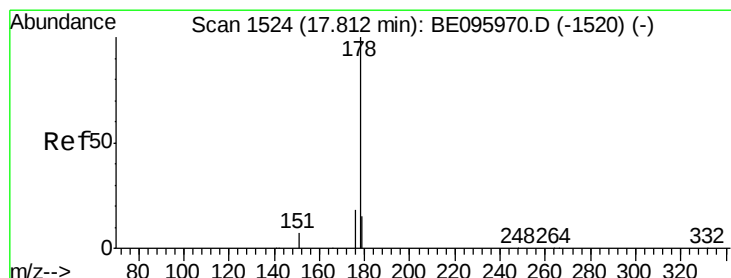
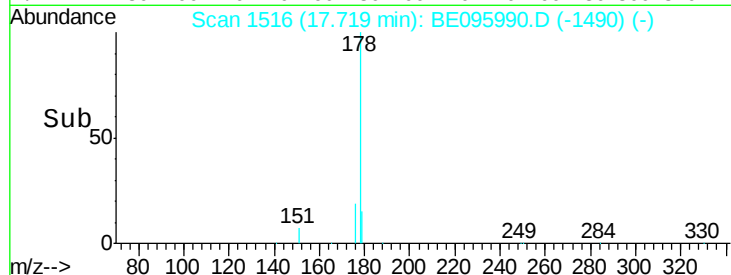
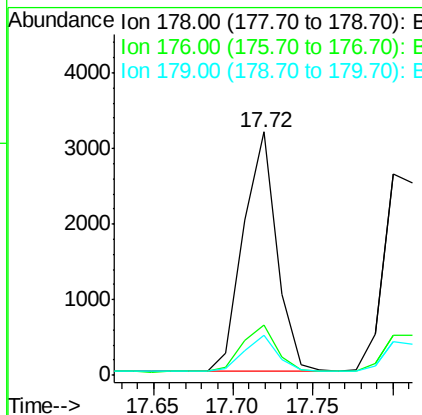
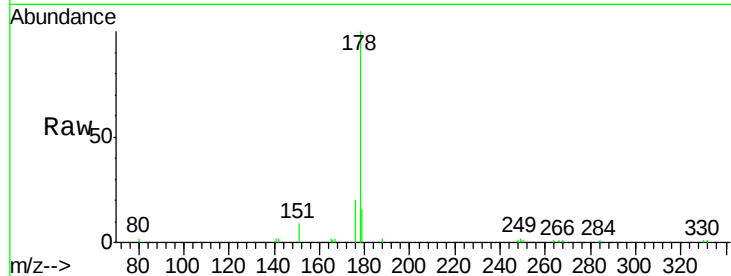
ClientSampleId :

PB108058BSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4588 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 19.8  | 15.1  | 22.7 |
| 179       | 14.9  | 11.8  | 17.6 |

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#24

Anthracene

Concen: 0.307 ng

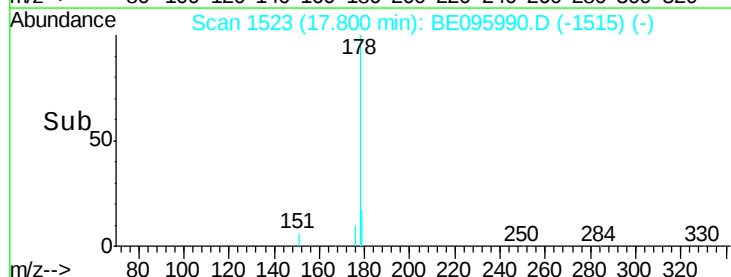
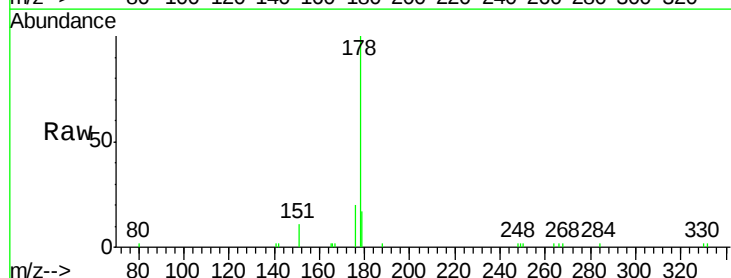
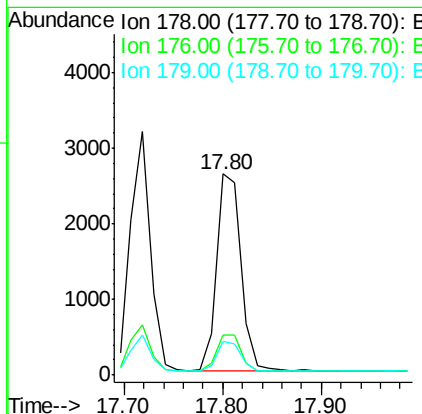
RT: 17.80 min Scan# 1523

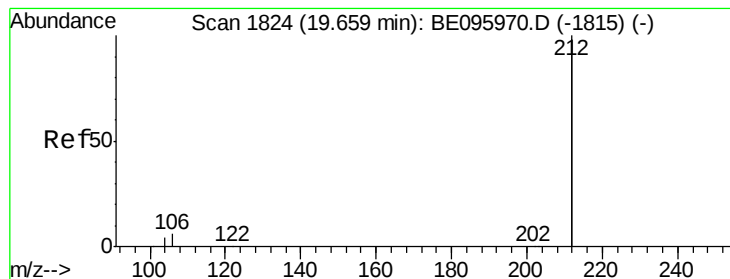
Delta R.T. -0.01 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4447 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.9  | 12.8  | 19.2 |
| 179       | 14.7  | 13.0  | 19.6 |





#25

Fluoranthene-d10

Concen: 0.280 ng

RT: 19.66 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

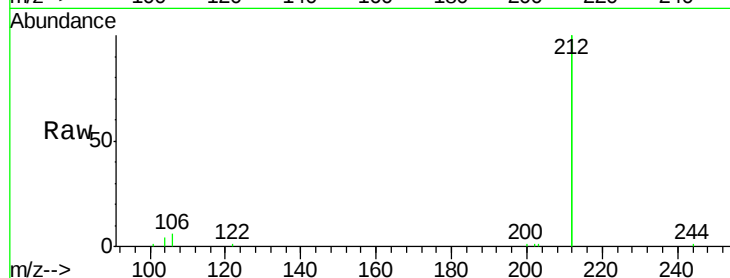
ClientSampleId :

PB108058BSD

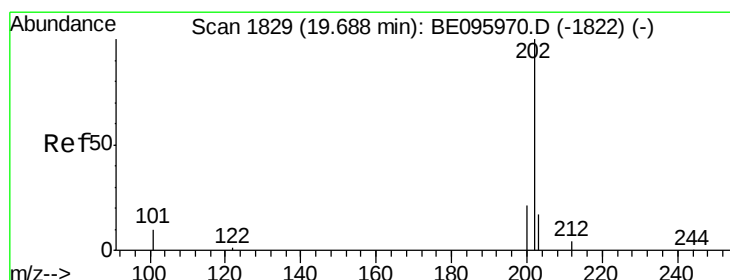
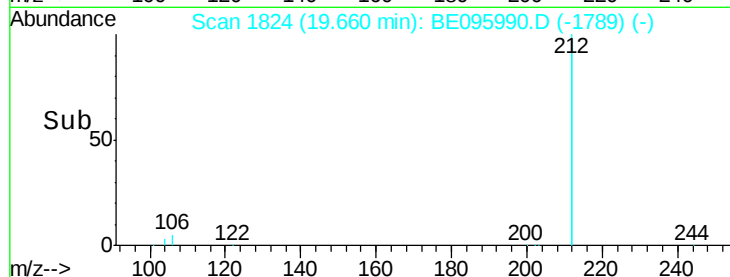
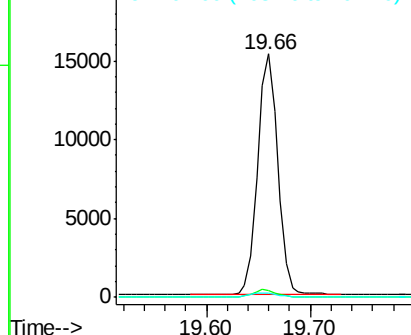
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 20477 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.9   | 2.8   | 4.2   |
| 104       | 1.7   | 1.6   | 2.4   |

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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: 0.293 ng

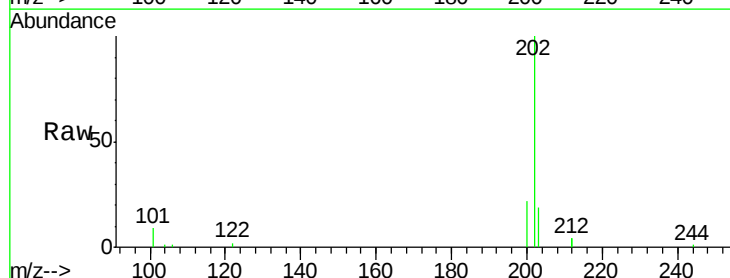
RT: 19.69 min Scan# 1829

Delta R.T. -0.00 min

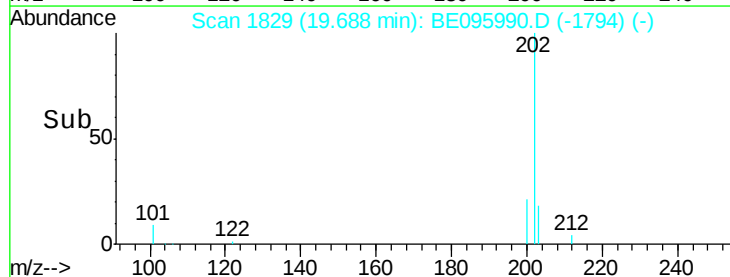
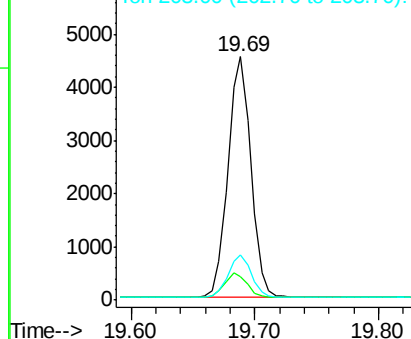
Lab File: BE095990.D

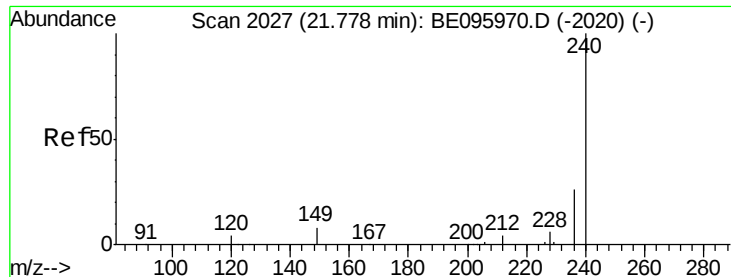
Acq: 13 Apr 2018 10:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 5841 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.1  | 9.8   | 14.8 |
| 203       | 17.5  | 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: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

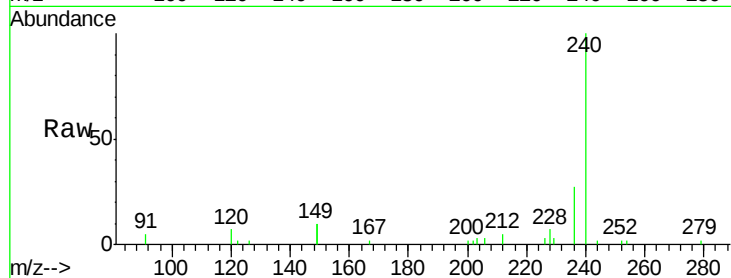
ClientSampleId :

PB108058BSD

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   | 6103 |       |       |
| 120     | 6.8   |      | 5.5   | 8.3   |
| 236     | 26.9  |      | 20.7  | 31.1  |

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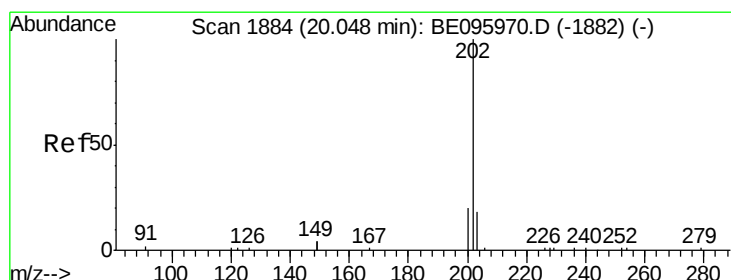
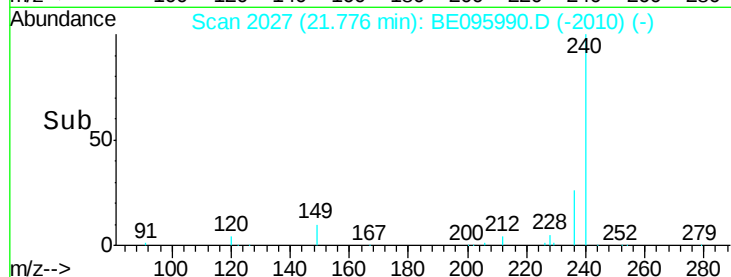
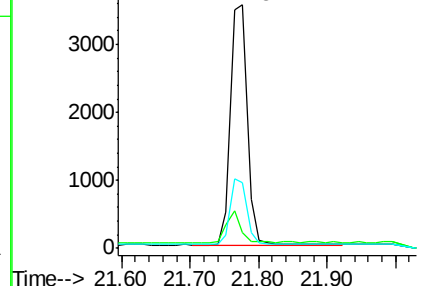
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.229 ng

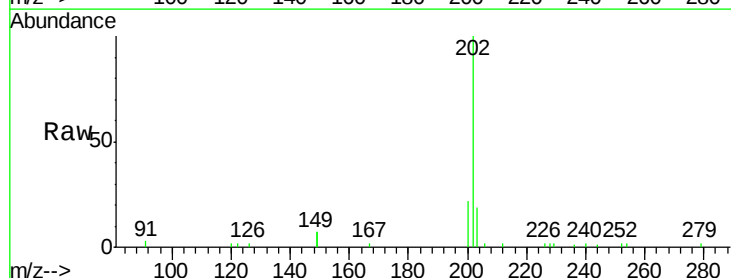
RT: 20.05 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

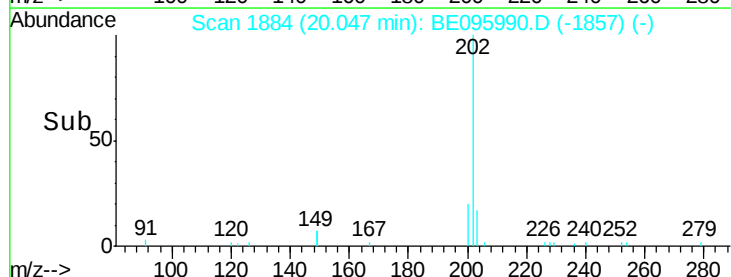
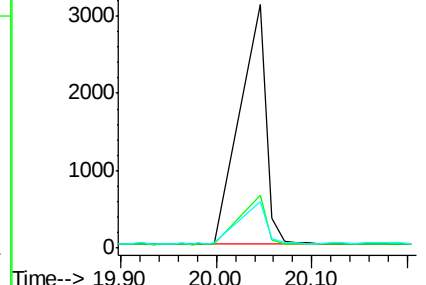
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 2755 |       |       |
| 200     | 25.0  |      | 16.6  | 25.0# |
| 203     | 19.2  |      | 13.8  | 20.8  |

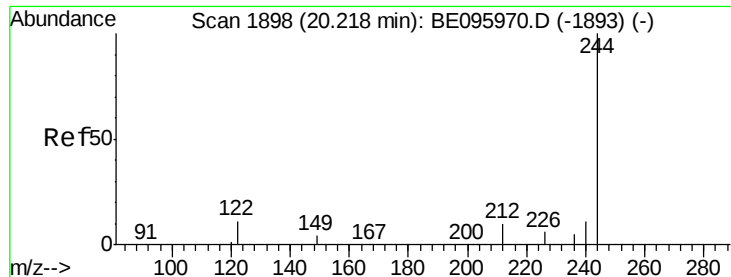


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.288 ng

RT: 20.22 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

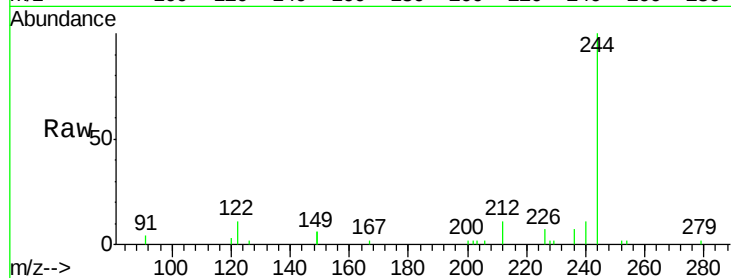
ClientSampleId :

PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 11.3  | 25.4  | 38.0# |
| 122     | 11.1  | 8.1   | 12.1  |

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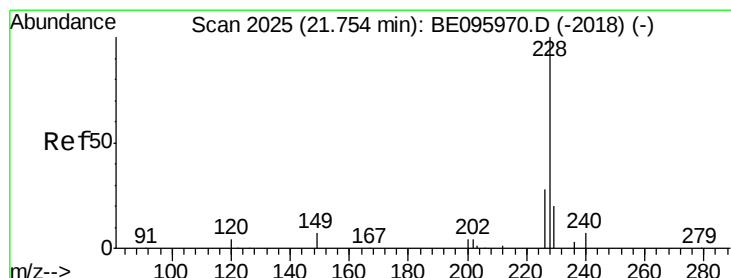
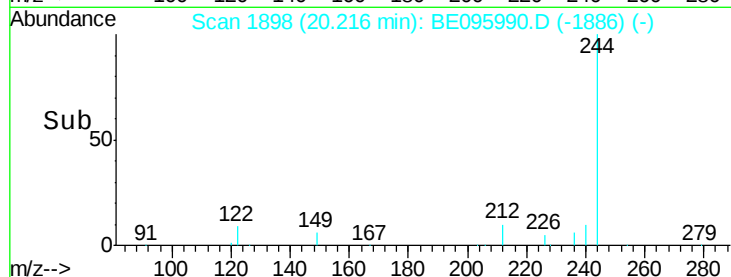
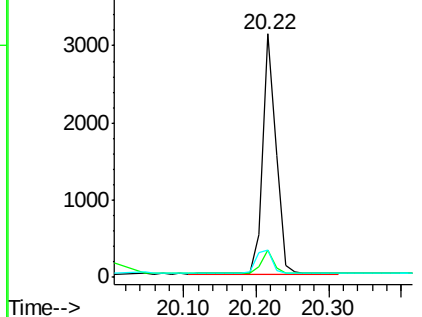
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.304 ng

RT: 21.75 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BE095990.D

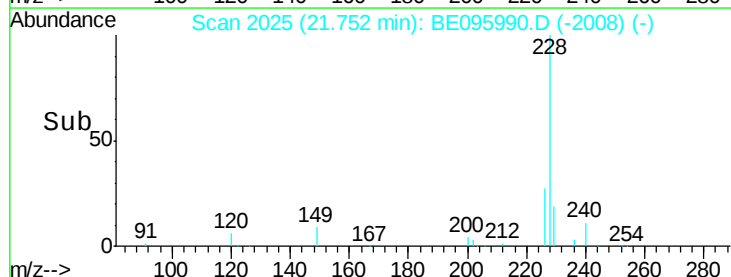
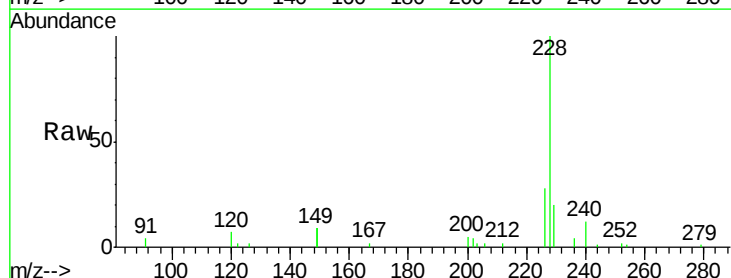
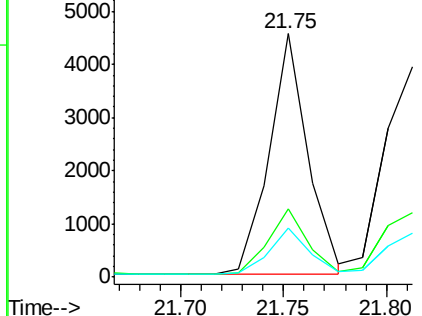
Acq: 13 Apr 2018 10:50

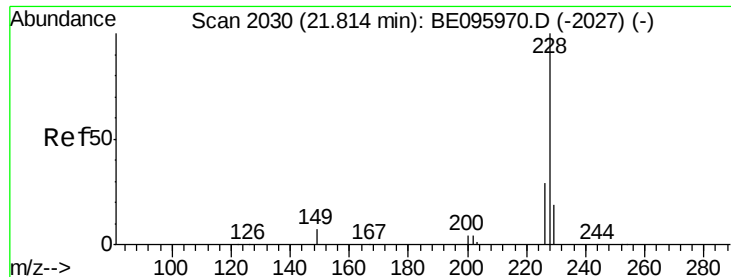
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 24.0  | 36.0  |
| 229     | 20.1  | 16.0  | 24.0  |

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.306 ng

RT: 21.81 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

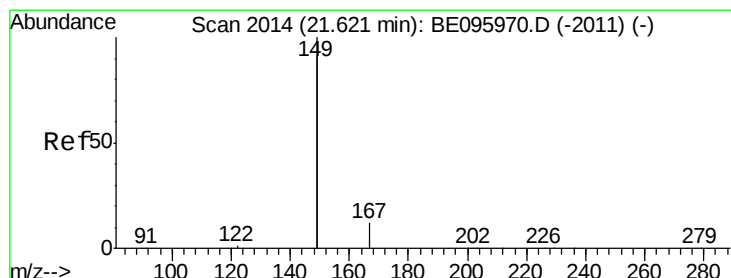
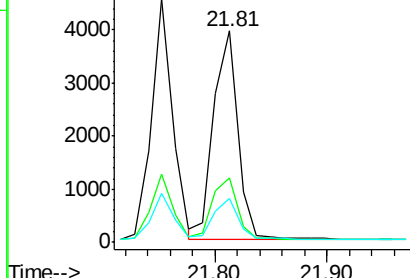
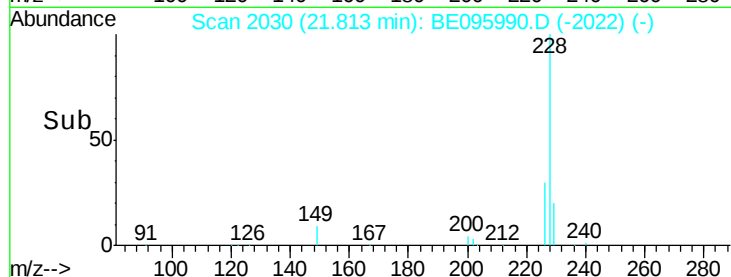
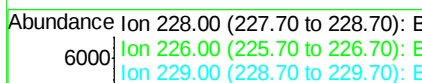
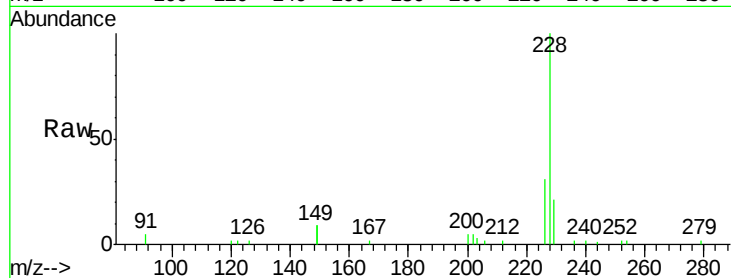
ClientSampleId :

PB108058BSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 5784 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 30.7  | 24.0  | 36.0 |
| 229       | 21.1  | 16.0  | 24.0 |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.271 ng

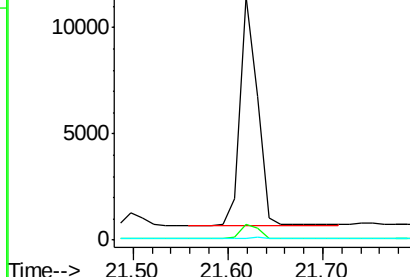
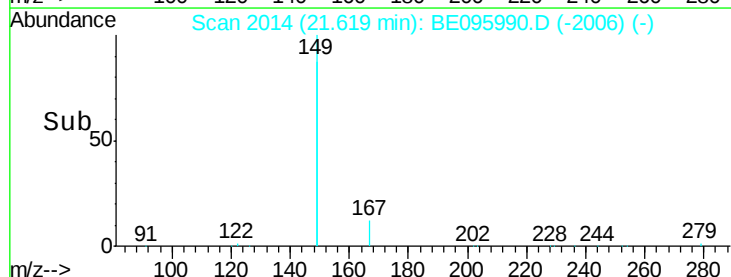
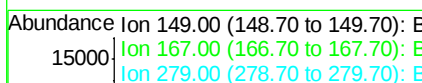
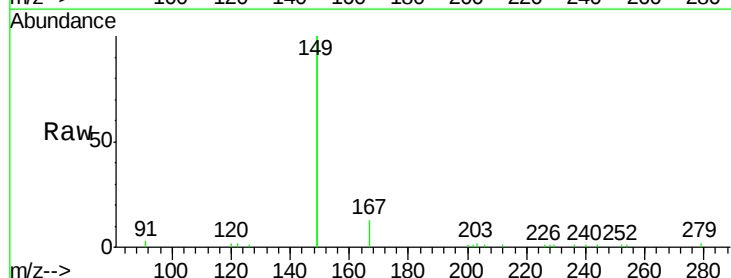
RT: 21.62 min Scan# 2014

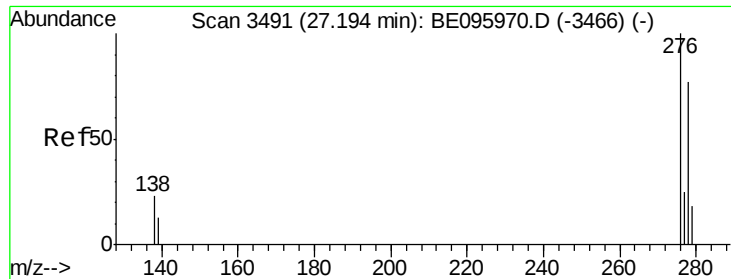
Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 13675 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.0   | 5.4   | 8.0   |
| 279       | 0.9   | 0.7   | 1.1   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.342 ng

RT: 27.18 min Scan# 3486

Delta R.T. 0.00 min

Lab File: BE095990.D

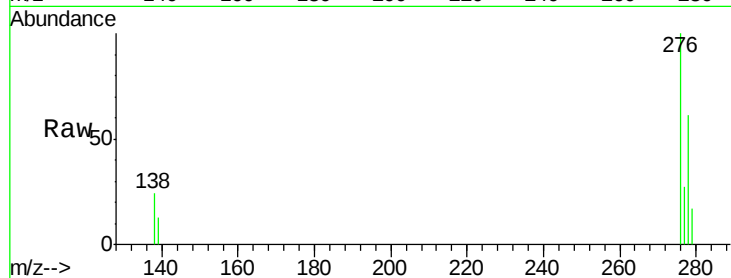
Acq: 13 Apr 2018 10:50

Instrument :

BNA\_E

ClientSampleId :

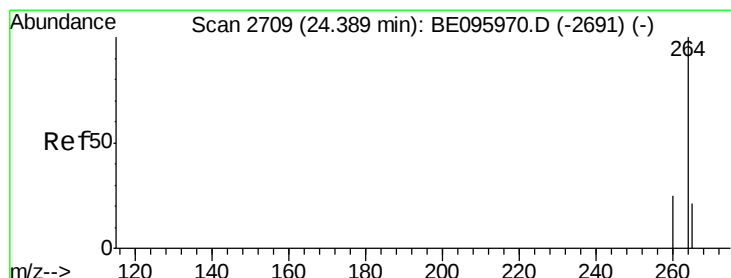
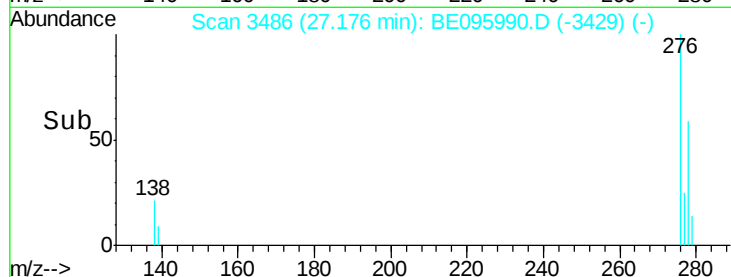
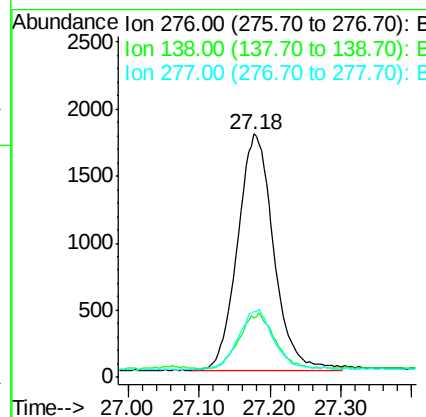
PB108058BSD



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 6275 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 23.0  | 22.5  | 33.7 |
| 277       | 24.6  | 19.9  | 29.9 |

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#34

Perylene-d12

Concen: 0.400 ng

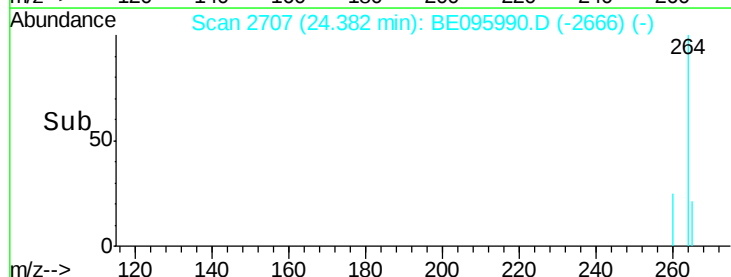
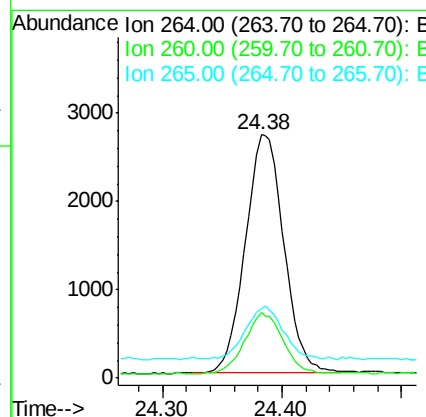
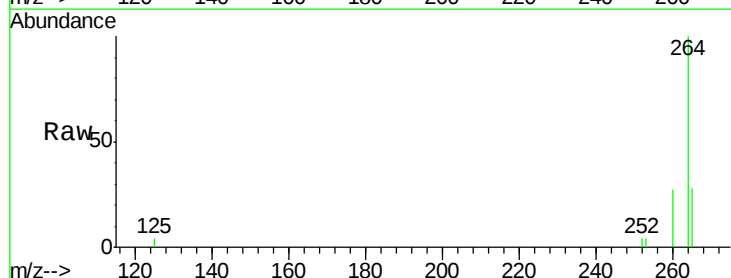
RT: 24.38 min Scan# 2707

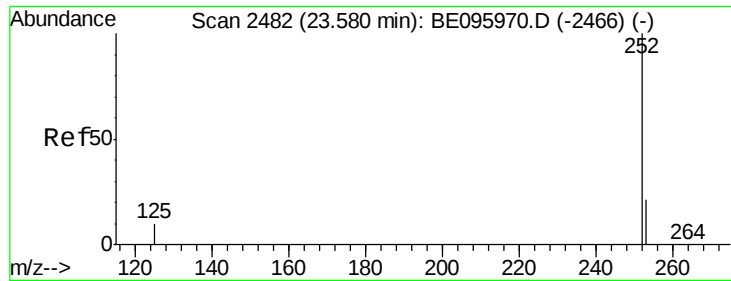
Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 264   | Resp: | 6056 |
| Ion Ratio | Lower | Upper |      |
| 264       | 100   |       |      |
| 260       | 26.8  | 20.5  | 30.7 |
| 265       | 28.4  | 22.8  | 34.2 |





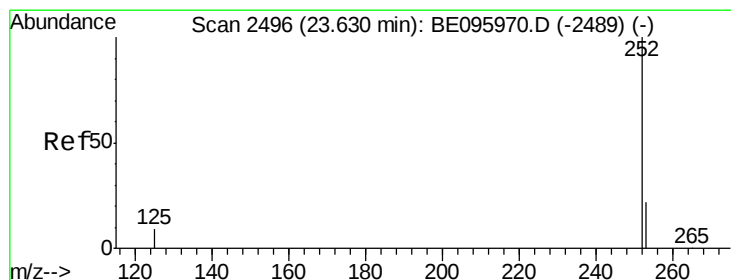
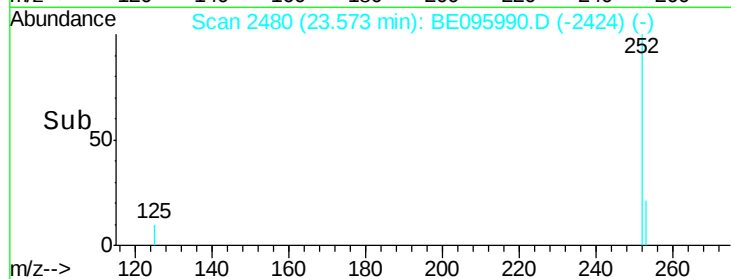
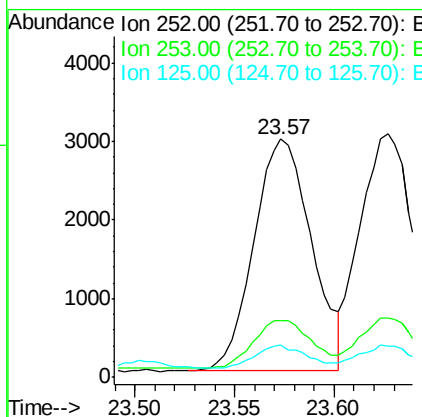
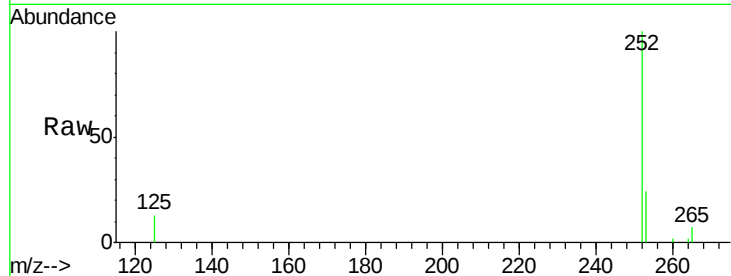
#35  
Benzo(b)fluoranthene  
Concen: 0.327 ng  
RT: 23.57 min Scan# 2480  
Delta R.T. -0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

Instrument :  
BNA\_E  
ClientSampleId :  
PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 20.0  | 30.0  |
| 125     | 13.5  | 16.0  | 24.0# |

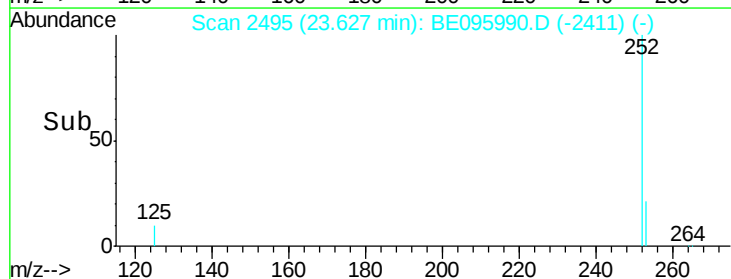
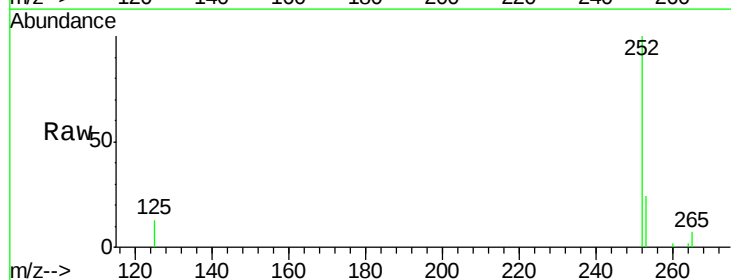
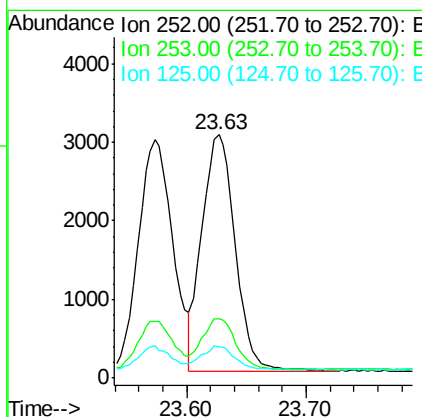
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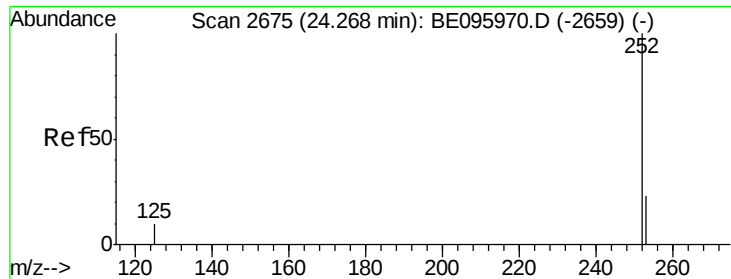
Sohil  
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#36  
Benzo(k)fluoranthene  
Concen: 0.310 ng  
RT: 23.63 min Scan# 2495  
Delta R.T. -0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 16.0  | 24.0# |
| 125     | 12.9  | 8.0   | 12.0# |





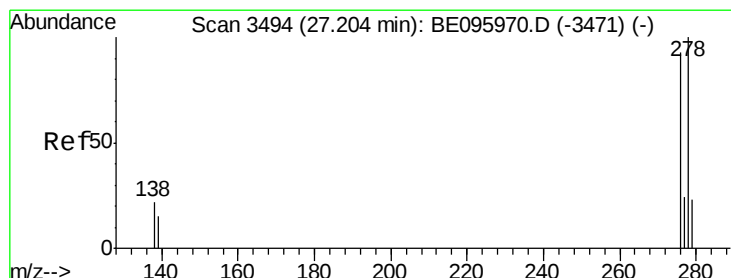
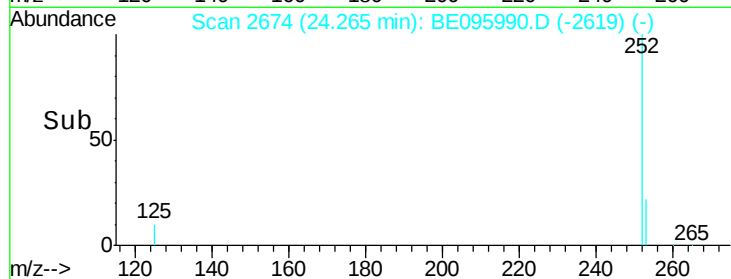
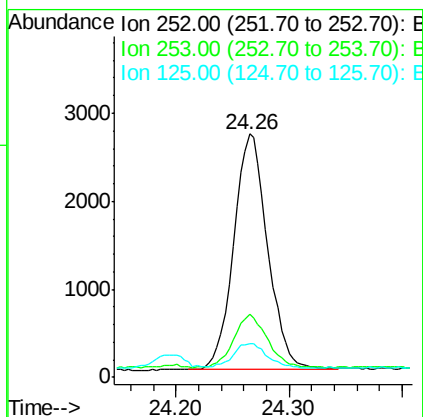
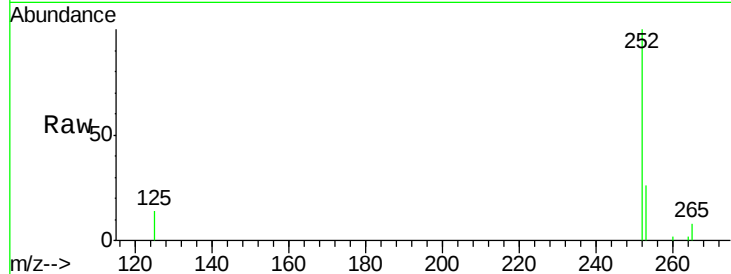
#37  
Benzo(a)pyrene  
Concen: 0.319 ng  
RT: 24.26 min Scan# 2674  
Delta R.T. -0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

Instrument :  
BNA\_E  
ClientSampleId :  
PB108058BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.8  | 16.0  | 24.0  |
| 125     | 13.9  | 12.0  | 18.0  |

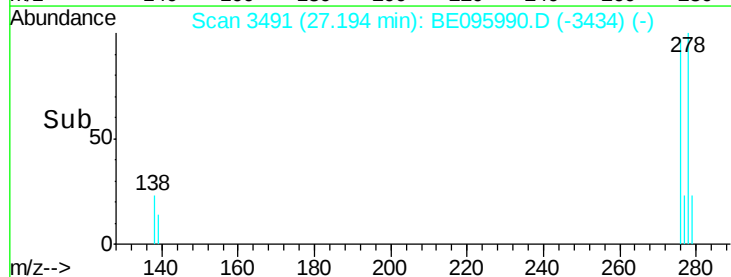
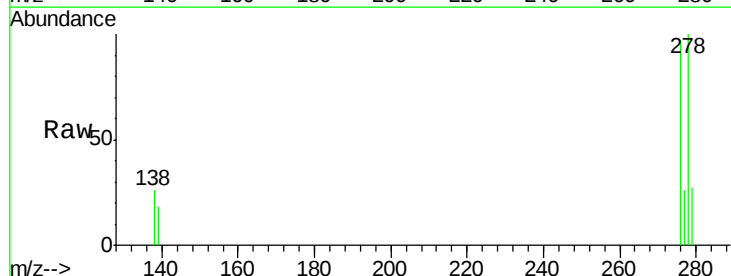
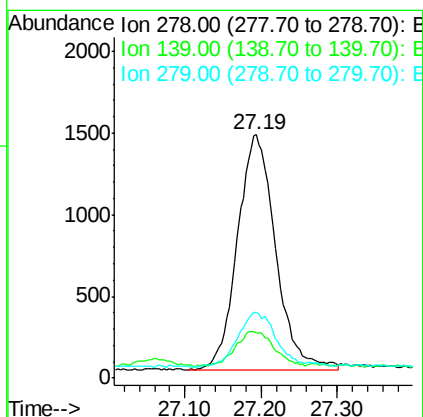
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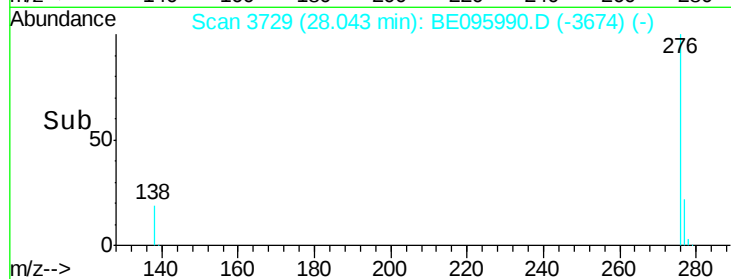
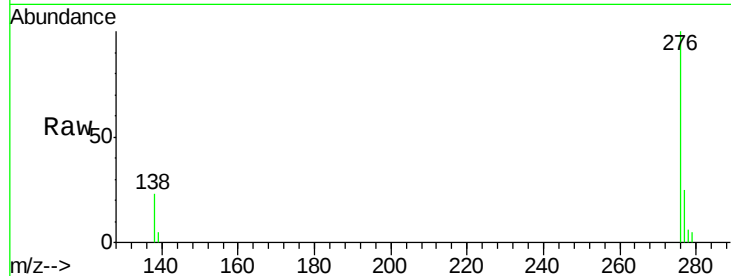
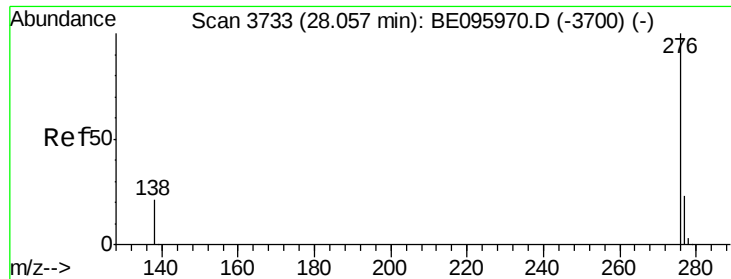
Sohil  
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.325 ng  
RT: 27.19 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: BE095990.D  
Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.4  | 16.0  | 24.0  |
| 279     | 27.0  | 20.0  | 30.0  |





#39

Benzo(g,h,i)perylene

Concen: 0.331 ng

RT: 28.04 min Scan# 3729

Delta R.T. -0.00 min

Lab File: BE095990.D

Acq: 13 Apr 2018 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.8  | 16.0  | 24.0# |
| 138     | 22.6  | 20.0  | 30.0  |

Instrument :

BNA\_E

ClientSampleId :

PB108058BSD

Manual Integrations  
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