

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051718\  
 Data File : BE096615.D  
 Acq On : 17 May 2018 18:30  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

Sohil  
 5/18/2018 4:33:06 PM

Quant Time: May 18 05:53:25 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 15 13:02:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 713      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.17 | 136  | 2954     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.92 | 164  | 1640     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.64 | 188  | 3650     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.73 | 240  | 3458     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.33 | 264  | 3207     | 0.40 | ng    | 0.00     |

## System Monitoring Compounds

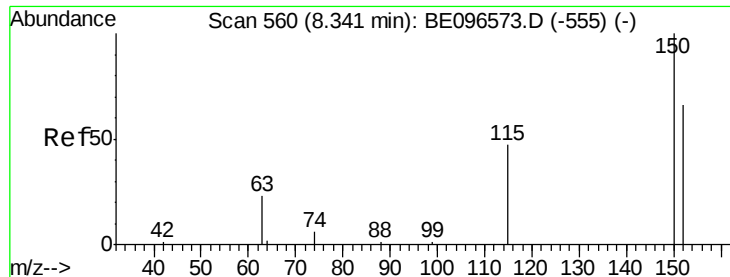
|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.85  | 112 | 713   | 0.36 | ng | 0.00 |
| 5) Phenol-d6                | 7.50  | 99  | 1001  | 0.36 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.53  | 82  | 1204m | 0.38 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.72 | 152 | 1765  | 0.37 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.40 | 330 | 236   | 0.36 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.56 | 172 | 2793  | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.62 | 212 | 16453 | 0.37 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.18 | 244 | 2955  | 0.38 | ng | 0.00 |

## Target Compounds

|                                |       |     |       |          | Qvalue |
|--------------------------------|-------|-----|-------|----------|--------|
| 2) 1,4-Dioxane                 | 3.58  | 88  | 404   | 0.378 ng | 92     |
| 3) n-Nitrosodimethylamine      | 3.95  | 42  | 498   | 0.372 ng | # 72   |
| 6) bis(2-Chloroethyl)ether     | 7.74  | 93  | 1002  | 0.385 ng | 86     |
| 9) Naphthalene                 | 11.22 | 128 | 11609 | 0.374 ng | 100    |
| 10) Hexachlorobutadiene        | 11.48 | 225 | 627   | 0.361 ng | 92     |
| 12) 2-Methylnaphthalene        | 12.79 | 142 | 1955  | 0.367 ng | # 92   |
| 16) Acenaphthylene             | 14.66 | 152 | 3289  | 0.384 ng | 100    |
| 17) Acenaphthene               | 14.98 | 154 | 1994  | 0.382 ng | 92     |
| 18) Fluorene                   | 15.95 | 166 | 2439  | 0.376 ng | # 77   |
| 20) 4-Bromophenyl-phenylether  | 16.82 | 248 | 857   | 0.387 ng | # 77   |
| 21) Hexachlorobenzene          | 16.95 | 284 | 890   | 0.386 ng | # 80   |
| 22) Pentachlorophenol          | 17.31 | 266 | 138   | 0.368 ng | 89     |
| 23) Phenanthrene               | 17.67 | 178 | 3879  | 0.378 ng | 99     |
| 24) Anthracene                 | 17.77 | 178 | 3514  | 0.368 ng | 95     |
| 26) Fluoranthene               | 19.65 | 202 | 4567  | 0.373 ng | # 97   |
| 28) Pyrene                     | 20.00 | 202 | 2444  | 0.391 ng | # 95   |
| 30) Benzo(a)anthracene         | 21.72 | 228 | 3927  | 0.369 ng | 98     |
| 31) Chrysene                   | 21.78 | 228 | 4210  | 0.380 ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 7902  | 0.347 ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 27.09 | 276 | 3992  | 0.376 ng | # 92   |
| 35) Benzo(b)fluoranthene       | 23.52 | 252 | 3761  | 0.380 ng | # 91   |
| 36) Benzo(k)fluoranthene       | 23.57 | 252 | 3988  | 0.381 ng | # 93   |
| 37) Benzo(a)pyrene             | 24.21 | 252 | 3573  | 0.378 ng | # 91   |
| 38) Dibenzo(a,h)anthracene     | 27.11 | 278 | 3169  | 0.366 ng | 95     |
| 39) Benzo(g,h,i)perylene       | 27.96 | 276 | 3421  | 0.378 ng | # 91   |

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





#1

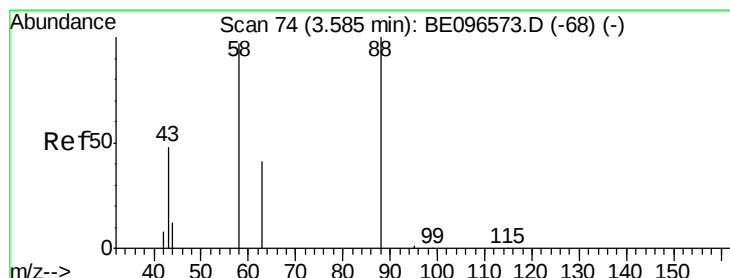
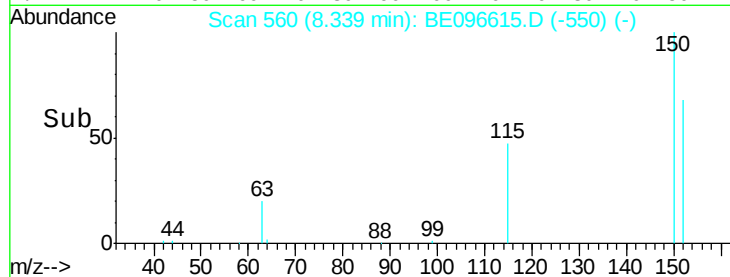
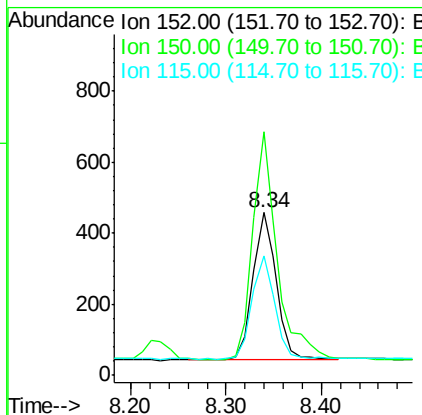
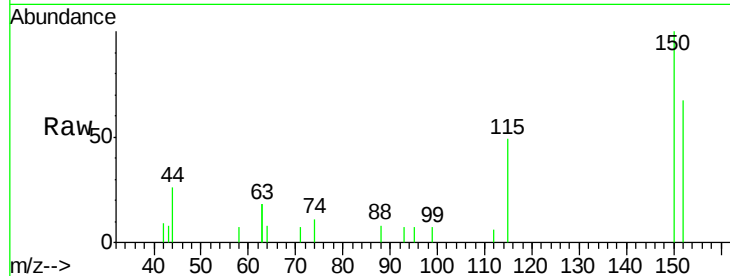
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.34 min Scan# 560  
Delta R.T. -0.00 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.8 | 117.2 | 175.8 |
| 115     | 73.6  | 57.0  | 85.6  |

Manual Integrations  
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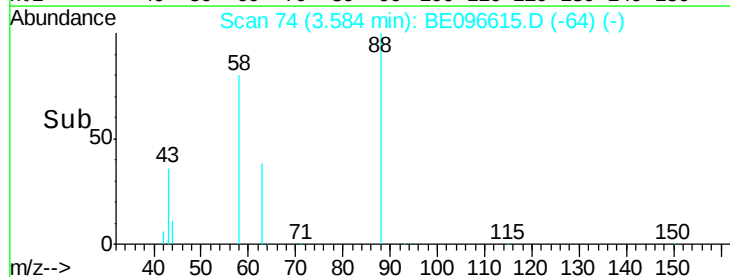
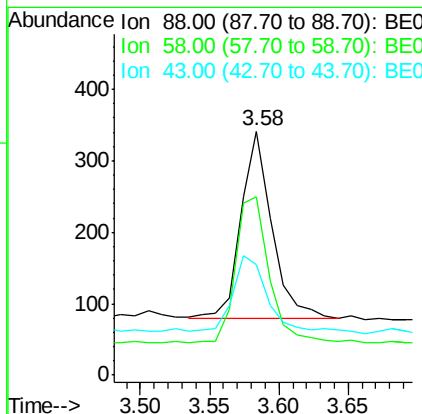
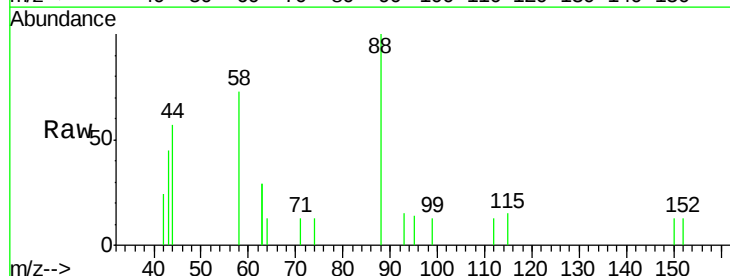
Sohil  
5/18/2018 4:33:06 PM

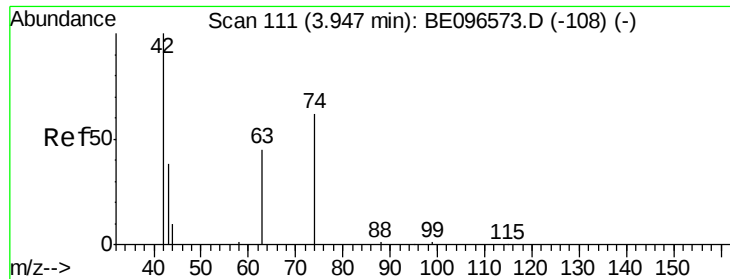


#2

1,4-Dioxane  
Concen: 0.378 ng  
RT: 3.58 min Scan# 74  
Delta R.T. -0.00 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 84.2  | 63.2  | 94.8  |
| 43      | 42.8  | 41.2  | 61.8  |





#3

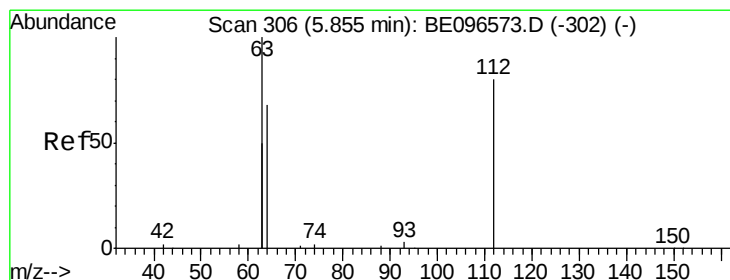
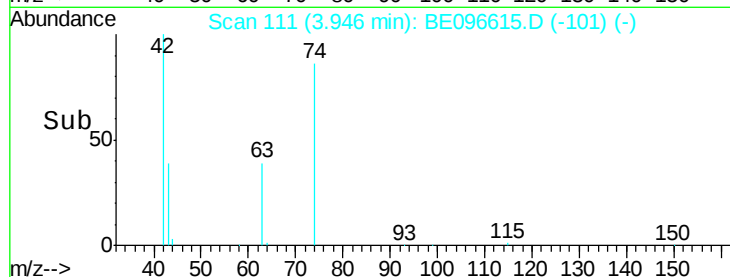
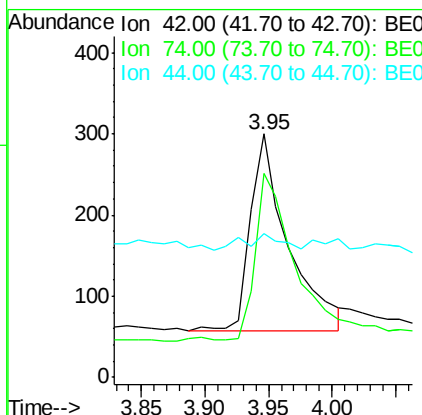
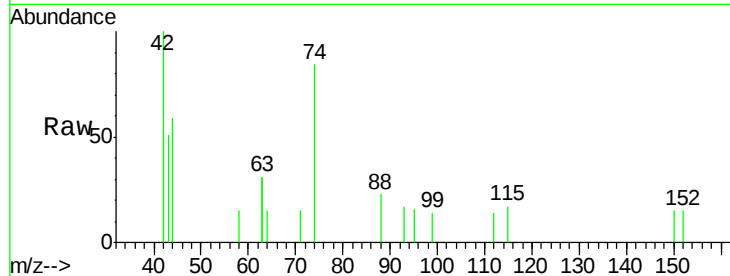
n-Nitrosodimethylamine  
 Concen: 0.372 ng  
 RT: 3.95 min Scan# 111  
 Delta R.T. -0.00 min  
 Lab File: BE096615.D  
 Acq: 17 May 2018 18:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 88.0  | 96.0  | 144.0# |
| 44      | 7.8   | 12.0  | 18.0#  |

Manual Integrations  
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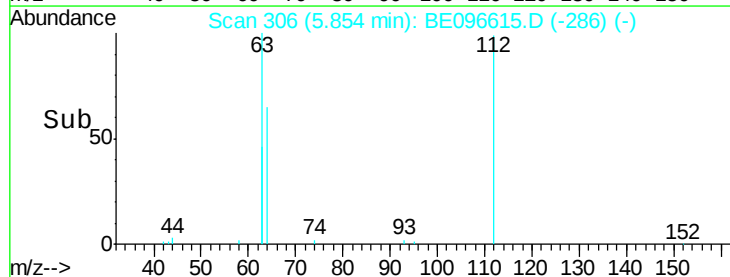
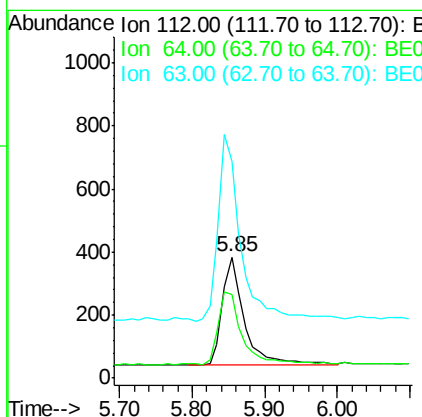
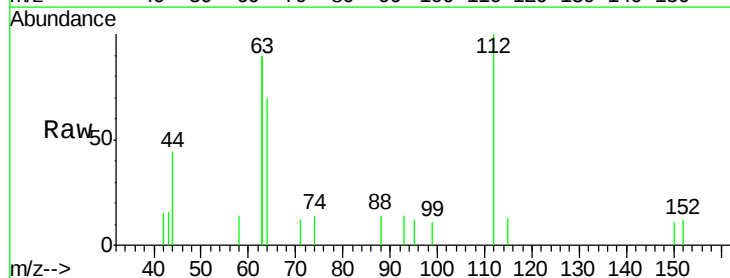
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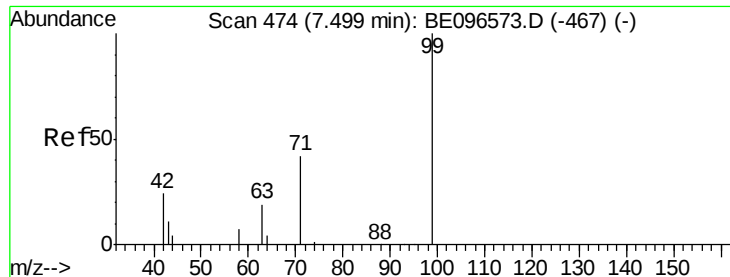


#4

2-Fluorophenol  
 Concen: 0.363 ng  
 RT: 5.85 min Scan# 306  
 Delta R.T. -0.00 min  
 Lab File: BE096615.D  
 Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 112     | 100   |       |        |
| 64      | 73.9  | 60.1  | 90.1   |
| 63      | 179.9 | 116.8 | 175.2# |





#5

Phenol-d6

Concen: 0.360 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

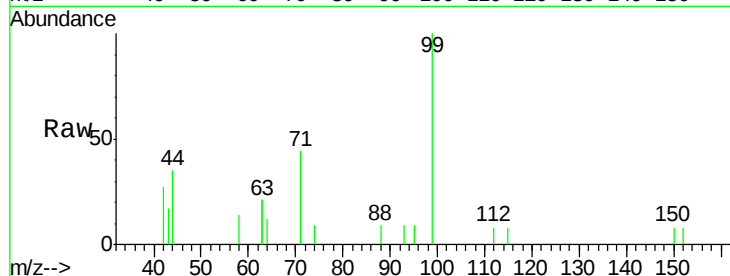
ClientSampleId :

SSTDCCC0.4EC

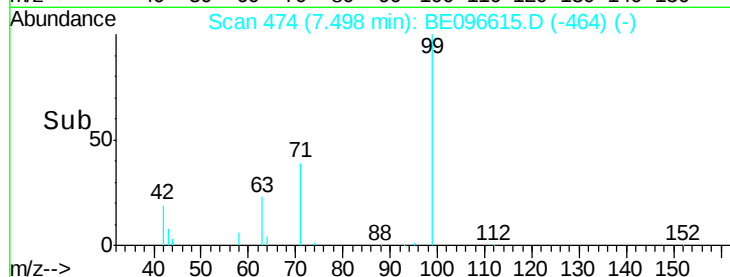
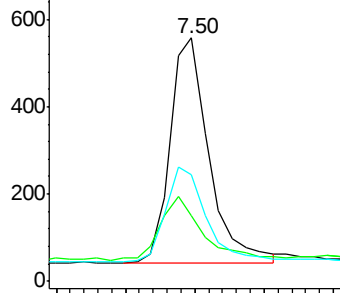
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1001  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 30.3  | 20.2  | 30.2# |
| 71       | 44.6  | 28.4  | 42.6# |

Manual Integrations  
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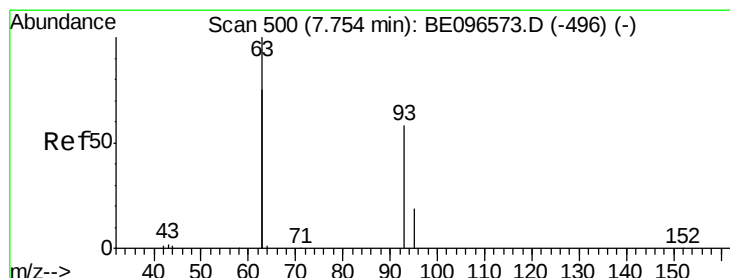
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Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.385 ng

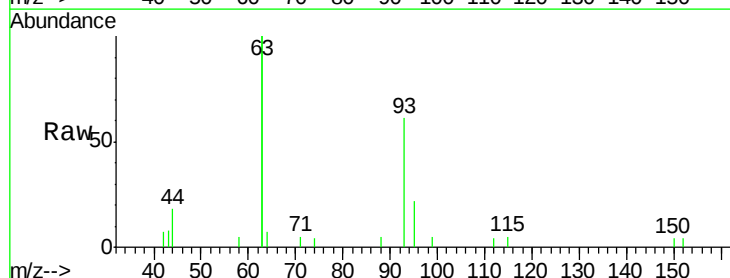
RT: 7.74 min Scan# 499

Delta R.T. -0.01 min

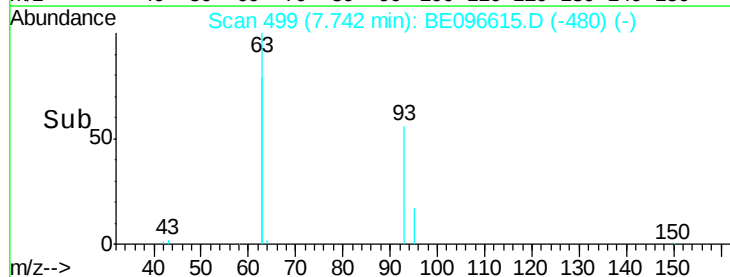
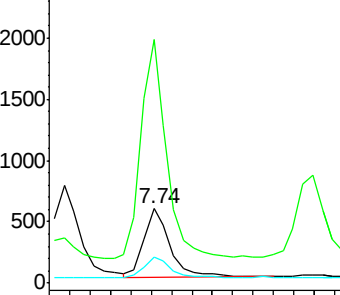
Lab File: BE096615.D

Acq: 17 May 2018 18:30

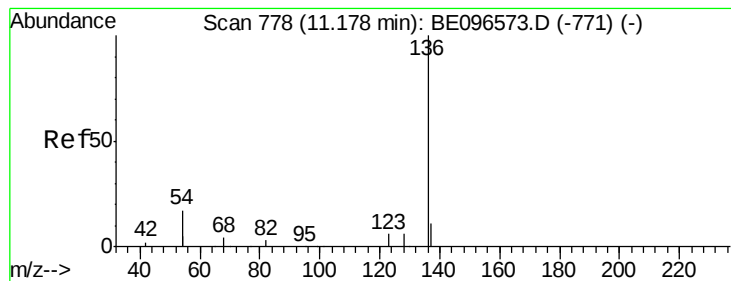
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1002  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 312.7 | 275.3 | 412.9 |
| 95       | 30.4  | 25.2  | 37.8  |



Abundance Ion 93.00 (92.70 to 93.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0  
Ion 95.00 (94.70 to 95.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.17 min Scan# 777

Delta R.T. -0.01 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

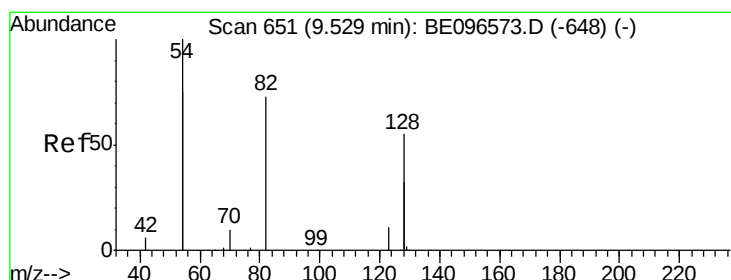
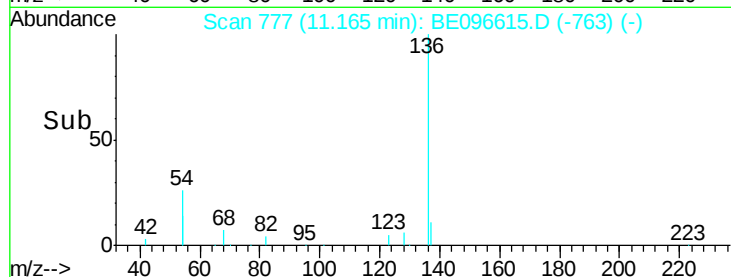
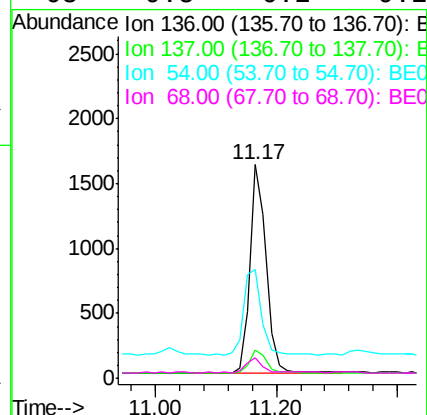
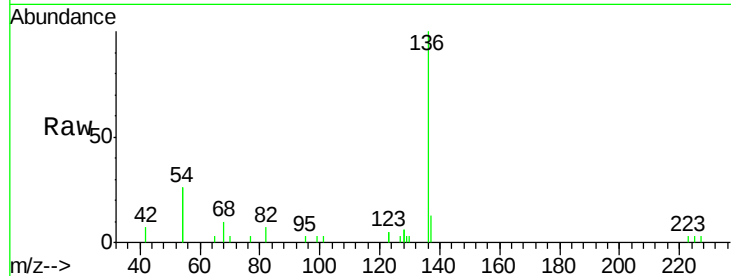
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 13.0  | 9.5   | 14.3  |
| 54      | 51.0  | 29.1  | 43.7# |
| 68      | 9.5   | 6.2   | 9.2#  |

Manual Integrations  
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#8

Nitrobenzene-d5

Concen: 0.383 ng m

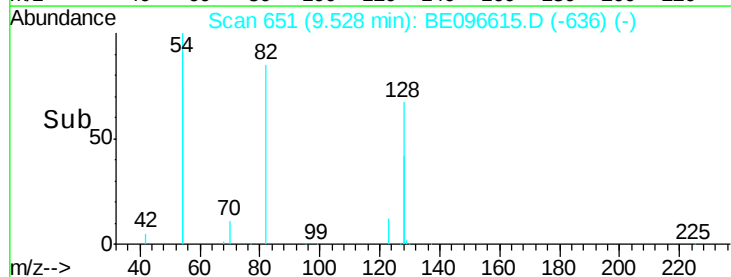
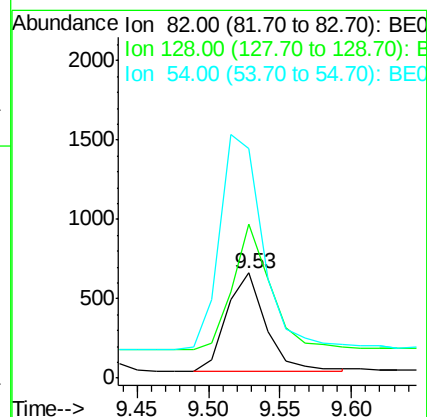
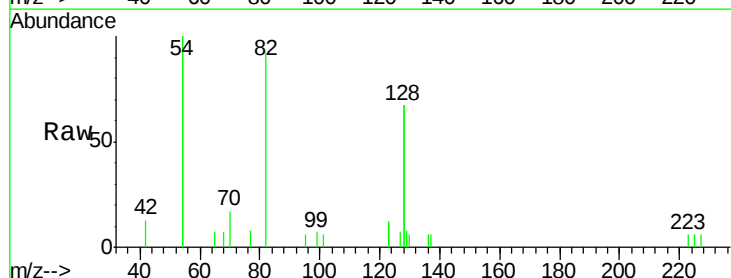
RT: 9.53 min Scan# 651

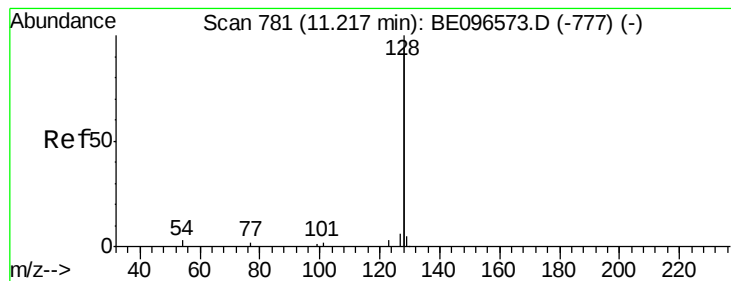
Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 82      | 100   |       |        |
| 128     | 73.1  | 150.0 | 225.0# |
| 54      | 109.2 | 154.2 | 231.4# |





#9

Naphthalene

Concen: 0.374 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

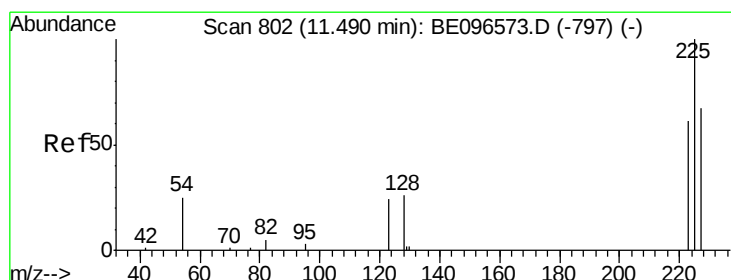
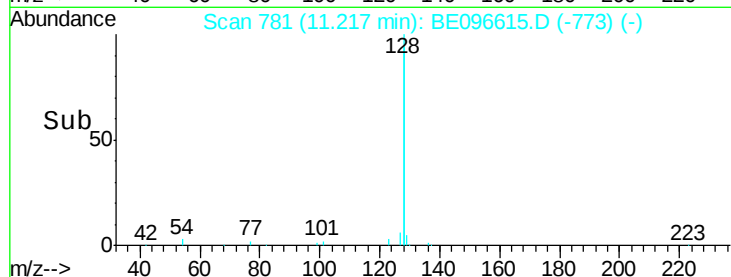
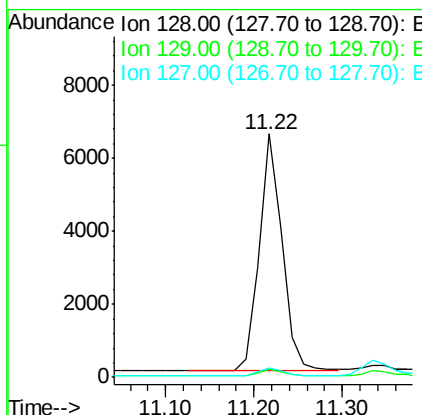
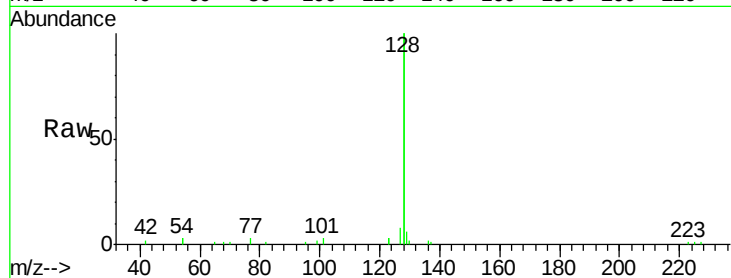
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 11609 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.2   | 2.6   | 3.8   |
| 127       | 3.8   | 2.8   | 4.2   |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 0.361 ng

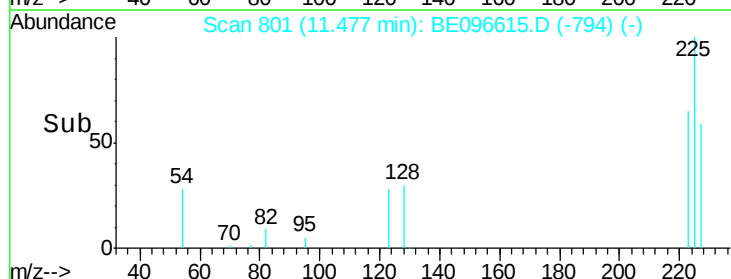
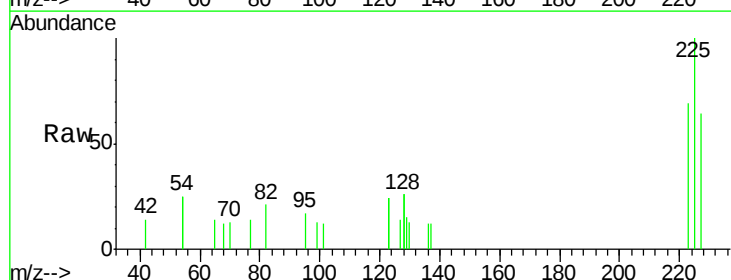
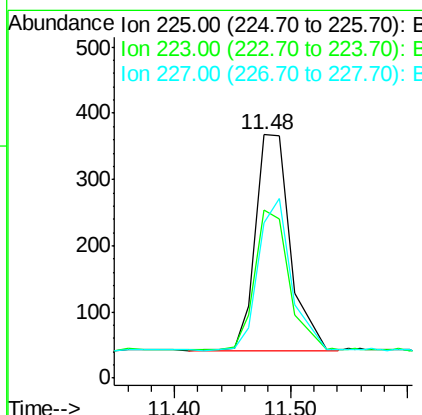
RT: 11.48 min Scan# 801

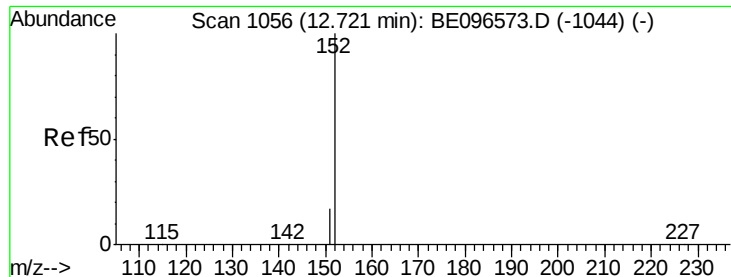
Delta R.T. -0.01 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 627  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 60.4  | 53.0  | 79.6 |
| 227       | 70.8  | 51.4  | 77.2 |





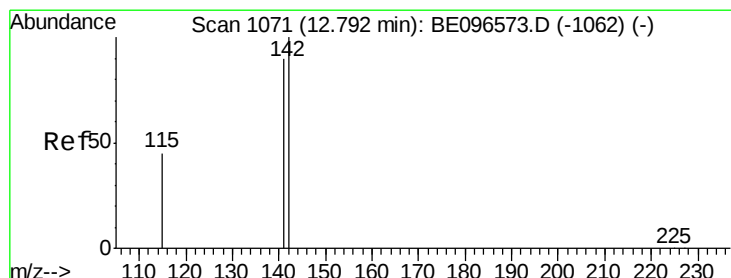
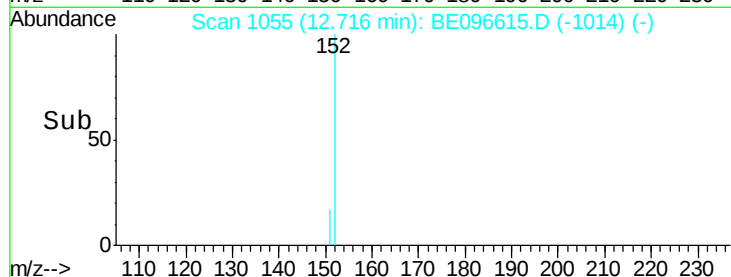
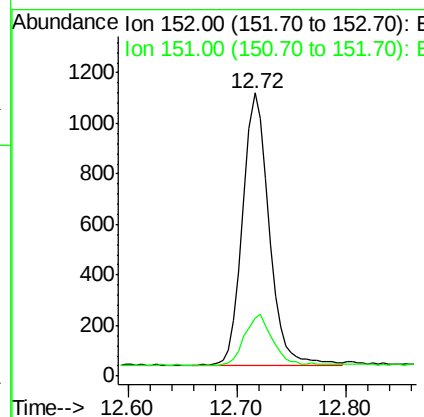
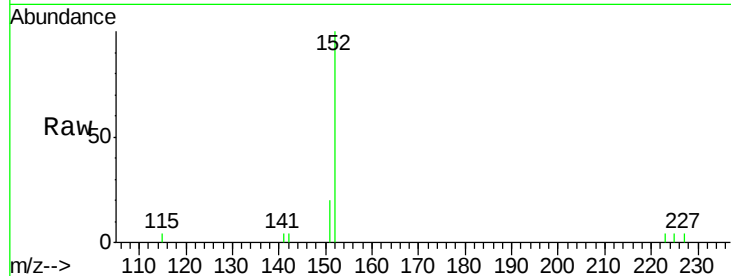
#11  
2-Methylnaphthalene-d10  
Concen: 0.366 ng  
RT: 12.72 min Scan# 1055  
Delta R.T. -0.01 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.4  | 23.0  |

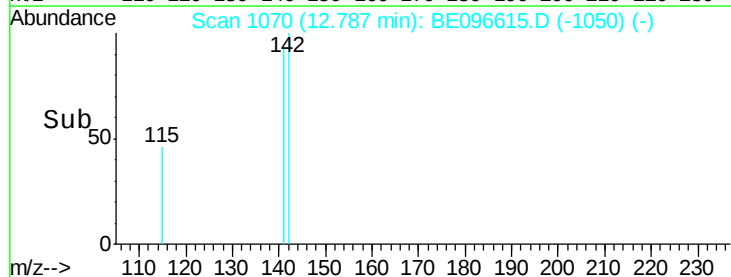
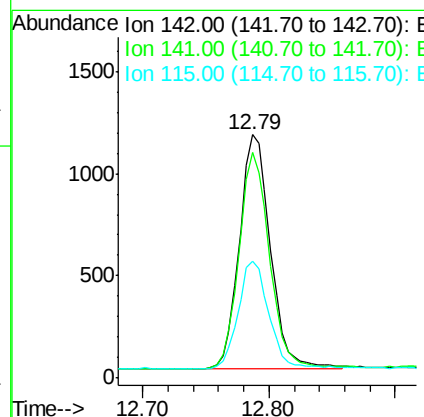
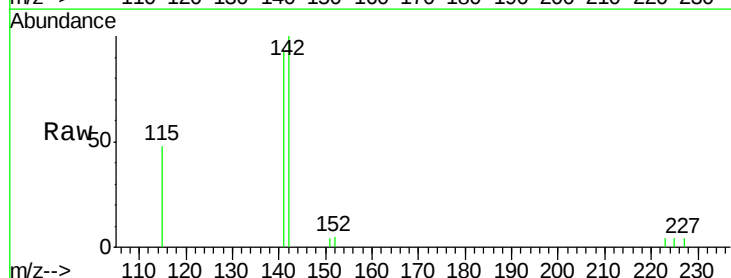
Manual Integrations  
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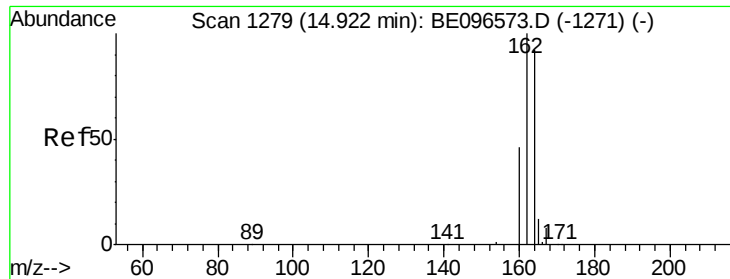
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#12  
2-Methylnaphthalene  
Concen: 0.367 ng  
RT: 12.79 min Scan# 1070  
Delta R.T. -0.01 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 70.4  | 105.6 |
| 115     | 48.2  | 31.7  | 47.5  |





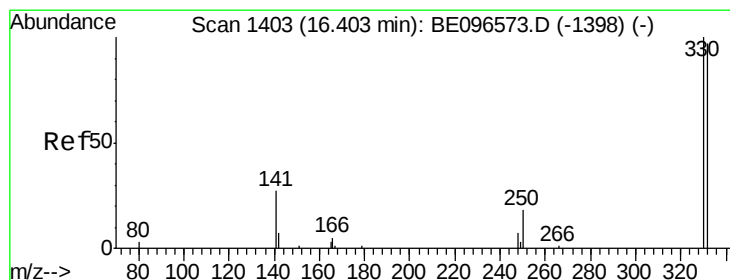
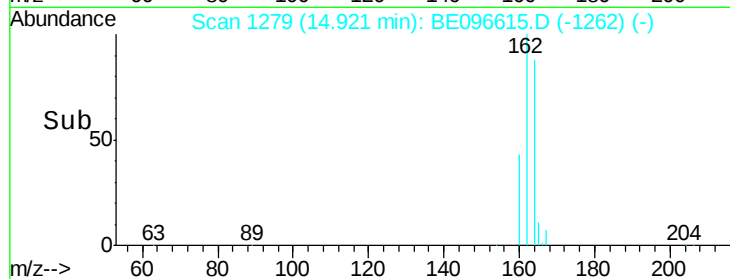
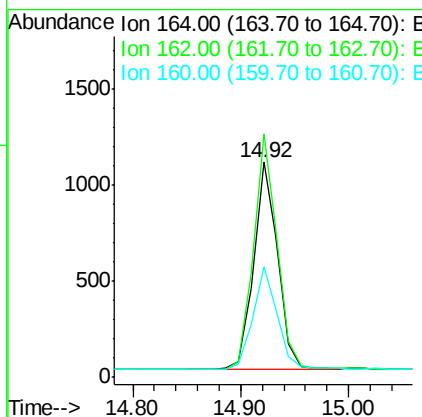
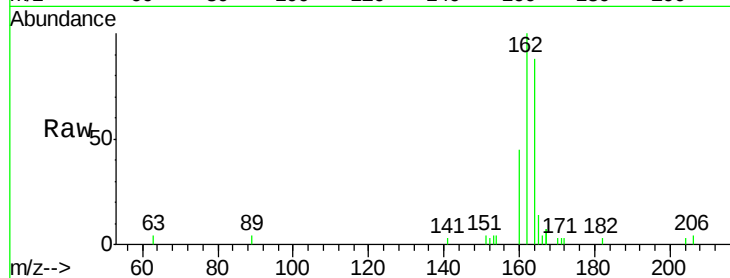
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.92 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 113.3 | 83.1  | 124.7 |
| 160     | 51.5  | 37.1  | 55.7  |

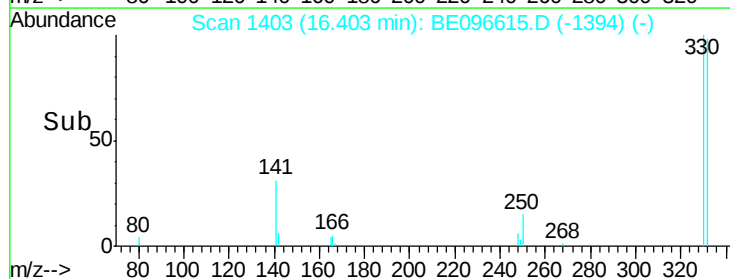
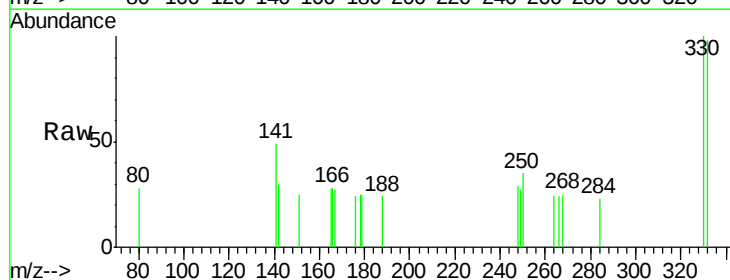
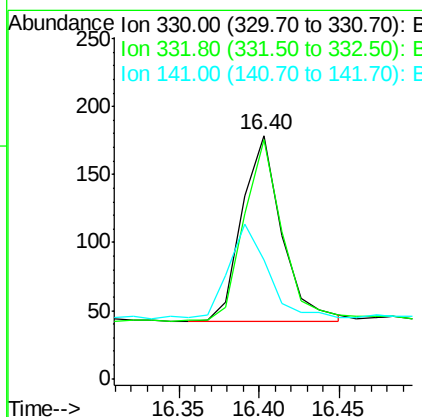
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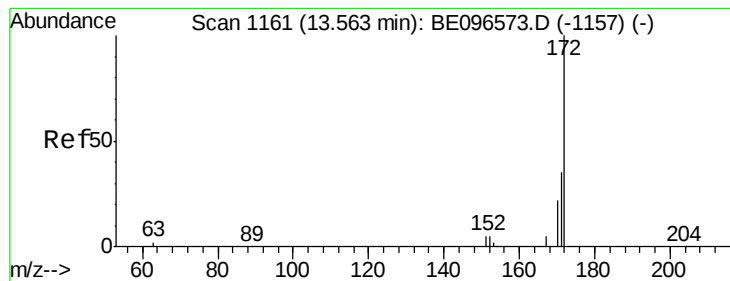
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#14  
2,4,6-Tribromophenol  
Concen: 0.364 ng  
RT: 16.40 min Scan# 1403  
Delta R.T. 0.00 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 94.9  | 152.7 | 229.1# |
| 141     | 51.3  | 33.7  | 50.5#  |





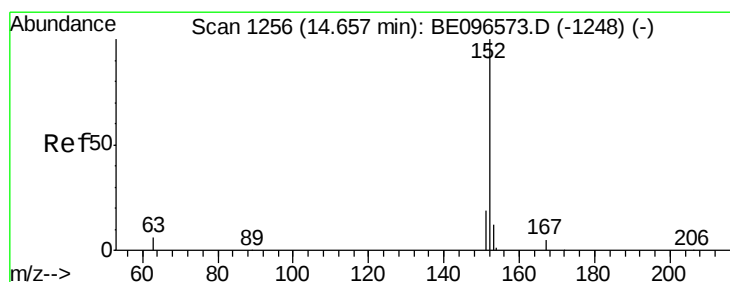
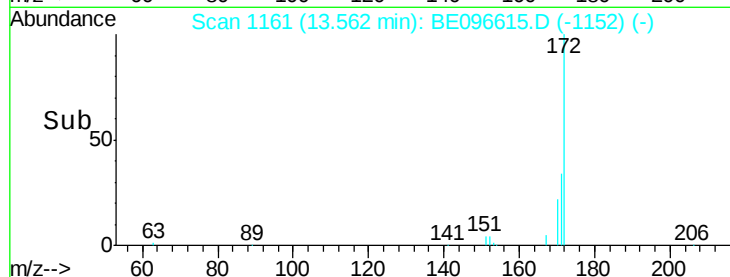
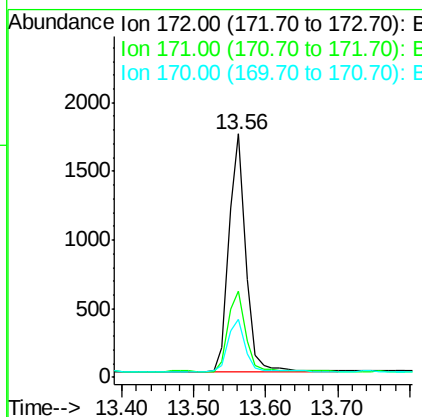
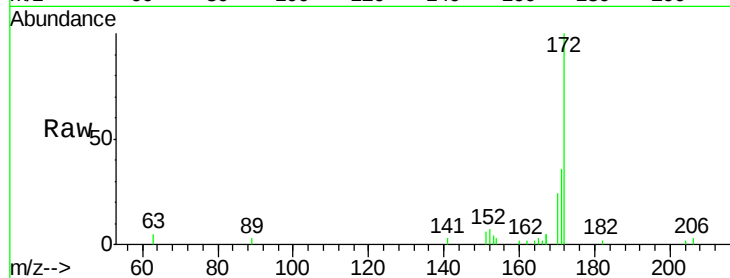
#15  
2-Fluorobiphenyl  
Concen: 0.397 ng  
RT: 13.56 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.9  | 44.9  |
| 170     | 23.7  | 21.8  | 32.8  |

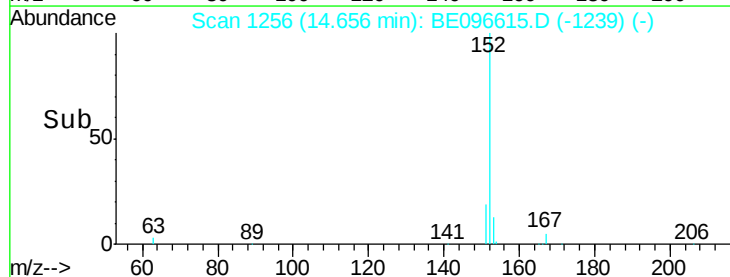
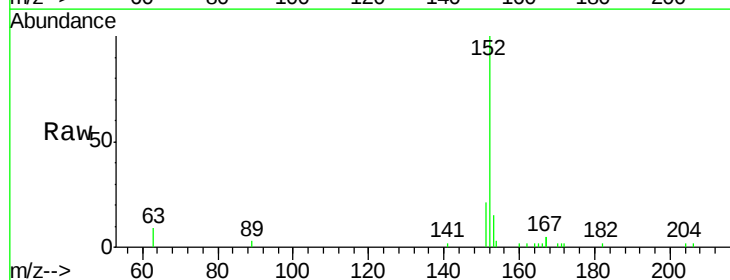
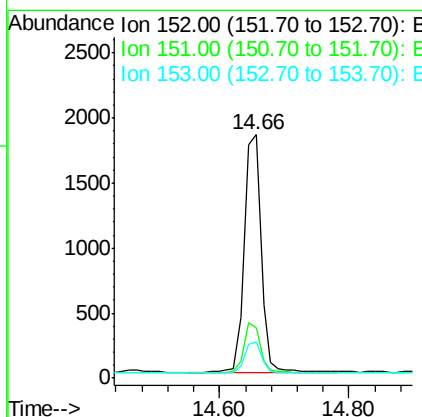
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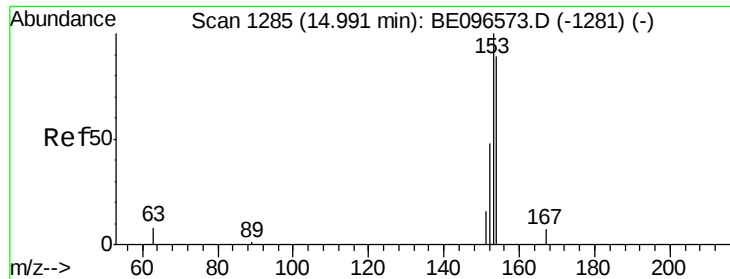
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#16  
Acenaphthylene  
Concen: 0.384 ng  
RT: 14.66 min Scan# 1256  
Delta R.T. -0.00 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.7  | 23.5  |
| 153     | 13.0  | 10.5  | 15.7  |





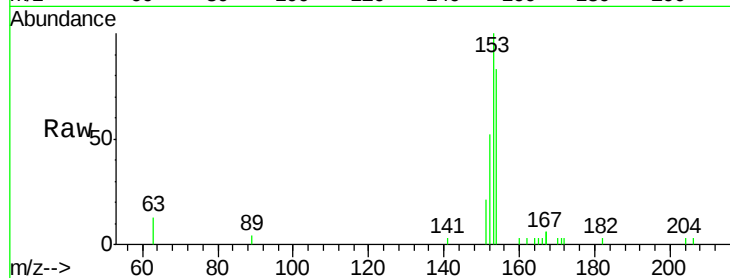
#17  
Acenaphthene  
Concen: 0.382 ng  
RT: 14.98 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

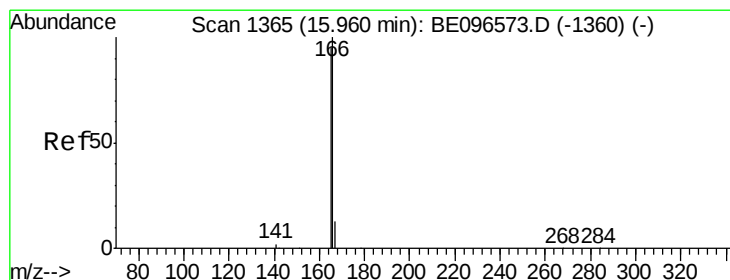
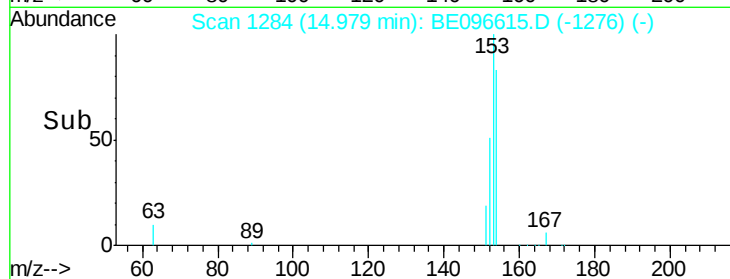
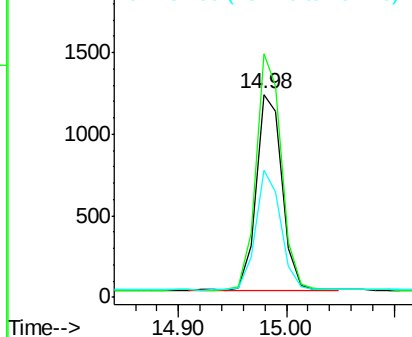
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 118.7 | 89.2  | 133.8 |
| 152     | 60.7  | 42.0  | 63.0  |

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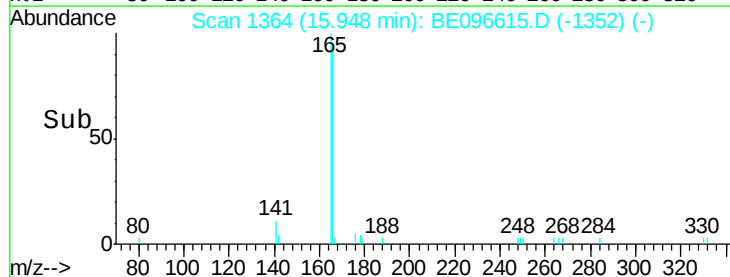
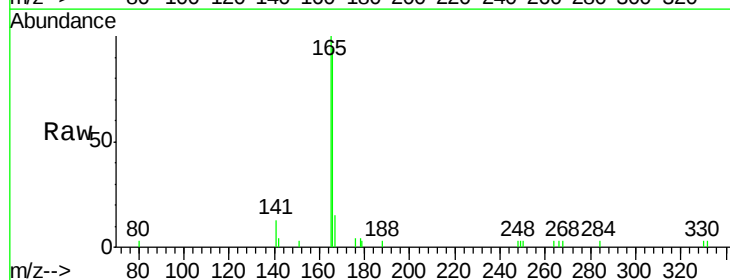
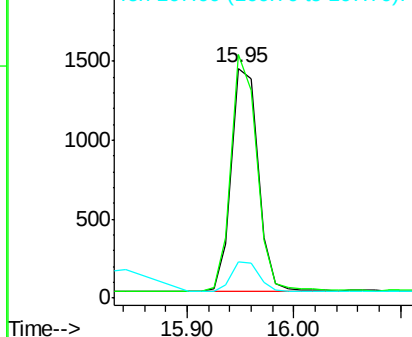
Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

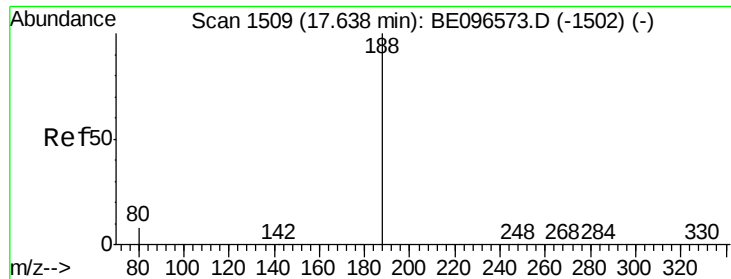


#18  
Fluorene  
Concen: 0.376 ng  
RT: 15.95 min Scan# 1364  
Delta R.T. -0.01 min  
Lab File: BE096615.D  
Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.5 | 77.8  | 116.6 |
| 167     | 13.8  | 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: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

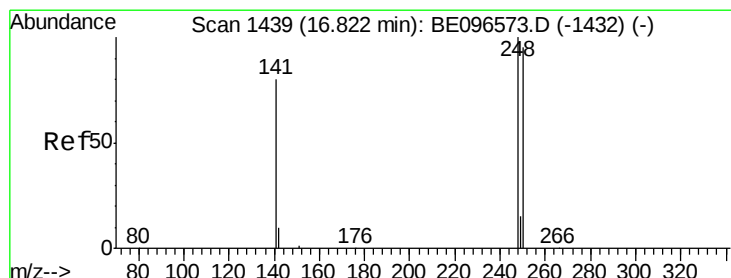
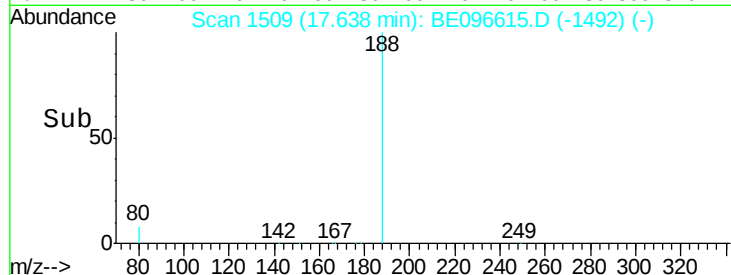
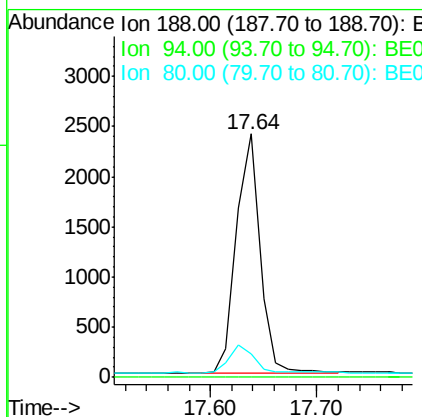
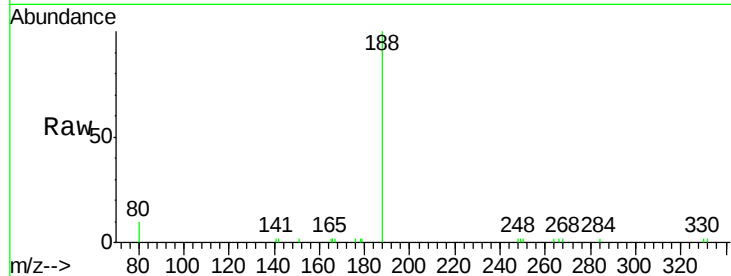
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 3650 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 3.9   | 5.9# |
| 80        | 9.6   | 3.6   | 5.4# |

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#20

4-Bromophenyl-phenylether

Concen: 0.387 ng

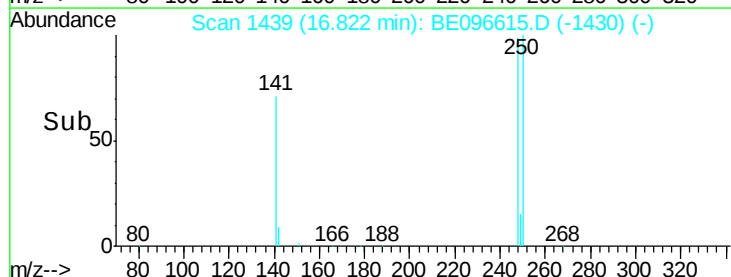
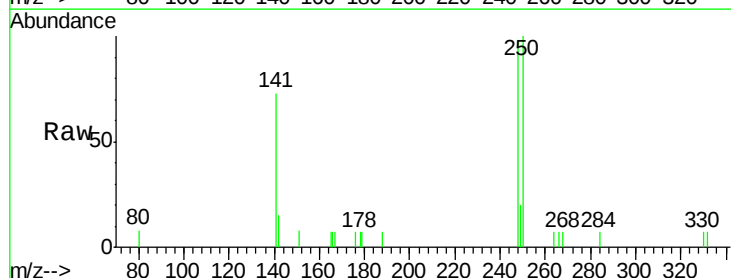
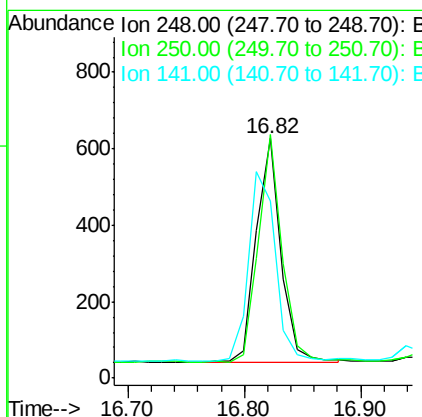
RT: 16.82 min Scan# 1439

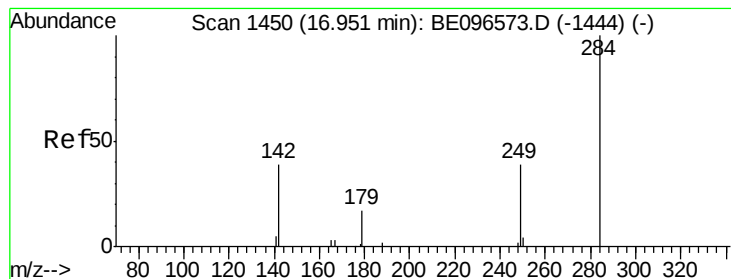
Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 857   |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 101.8 | 62.7  | 94.1# |
| 141       | 74.0  | 48.2  | 72.2# |





#21

Hexachlorobenzene

Concen: 0.386 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

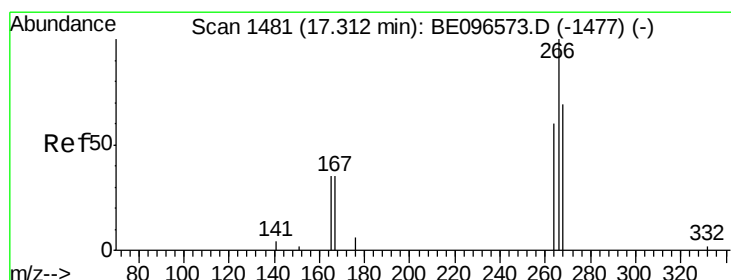
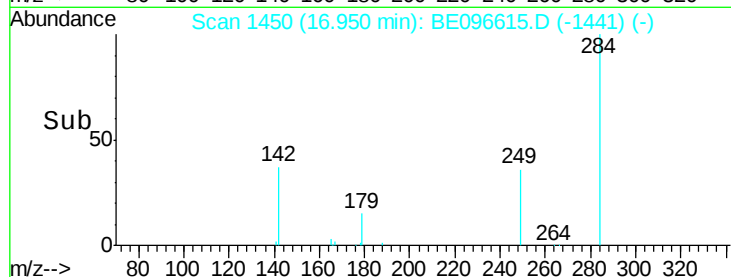
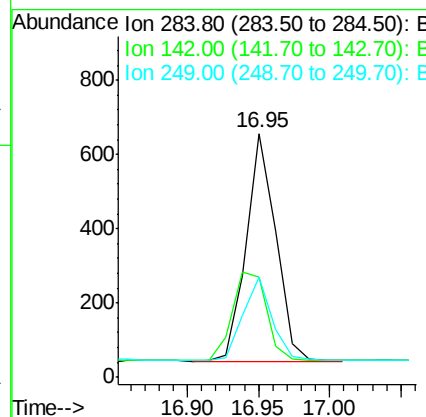
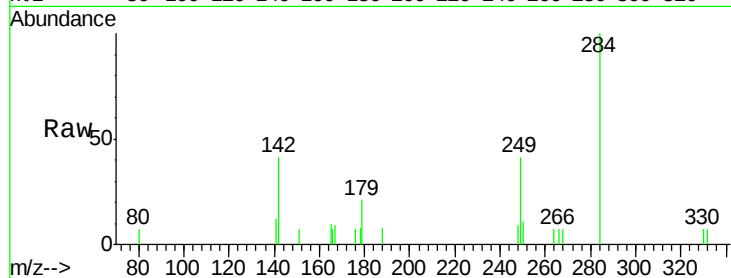
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 890   |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 46.1  | 22.1  | 33.1# |
| 249       | 36.4  | 34.8  | 52.2  |

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#22

Pentachlorophenol

Concen: 0.368 ng

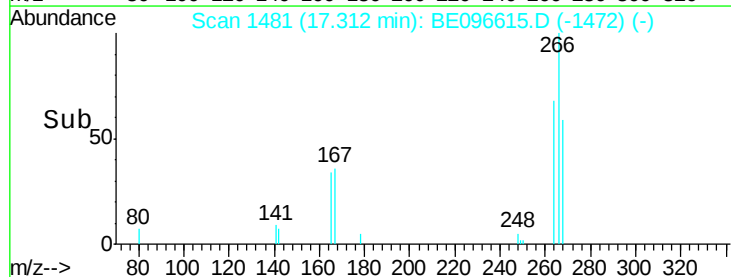
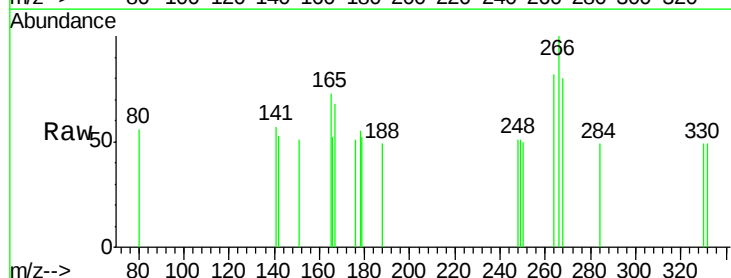
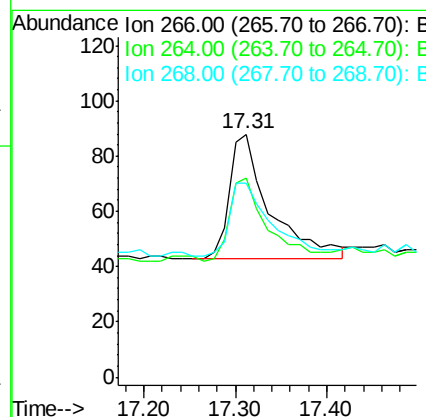
RT: 17.31 min Scan# 1481

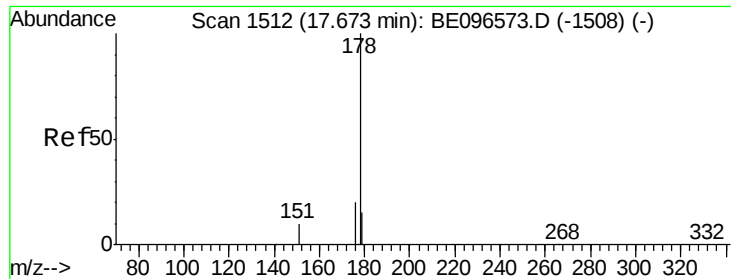
Delta R.T. 0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 138   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 81.8  | 72.5  | 108.7 |
| 268       | 79.5  | 73.8  | 110.6 |





#23

Phenanthrene

Concen: 0.378 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

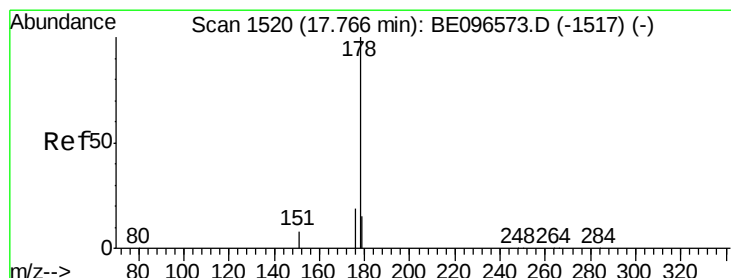
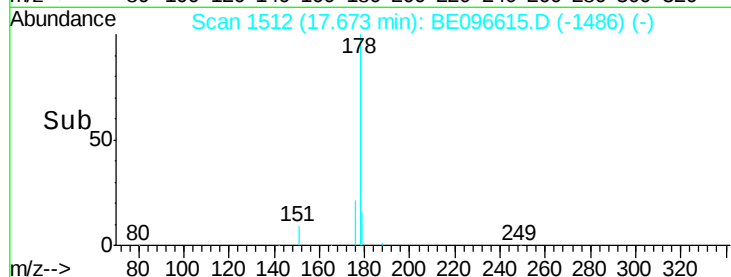
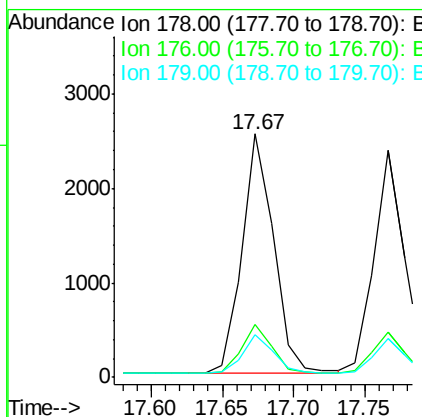
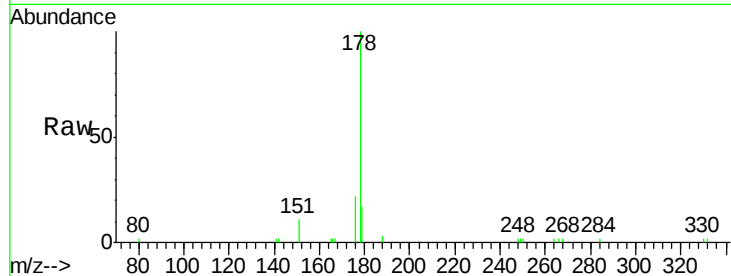
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3879 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 19.4  | 15.1  | 22.7 |
| 179       | 15.3  | 11.8  | 17.6 |

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#24

Anthracene

Concen: 0.368 ng

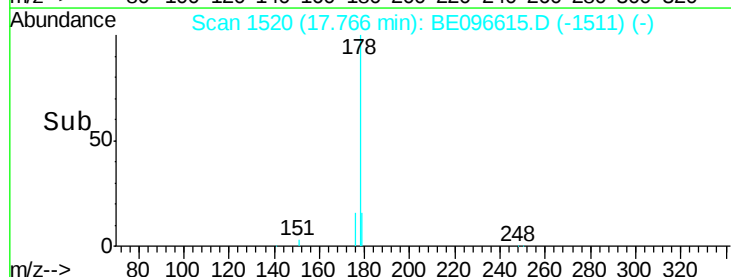
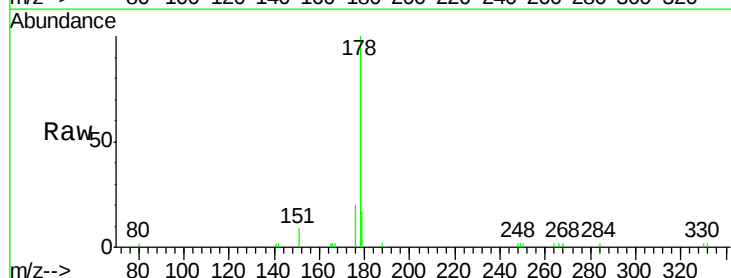
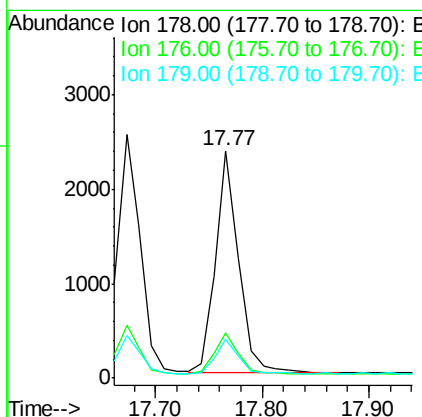
RT: 17.77 min Scan# 1520

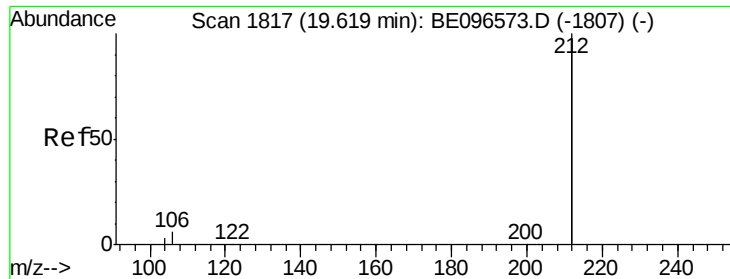
Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3514 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.9  | 12.8  | 19.2 |
| 179       | 15.0  | 13.0  | 19.6 |





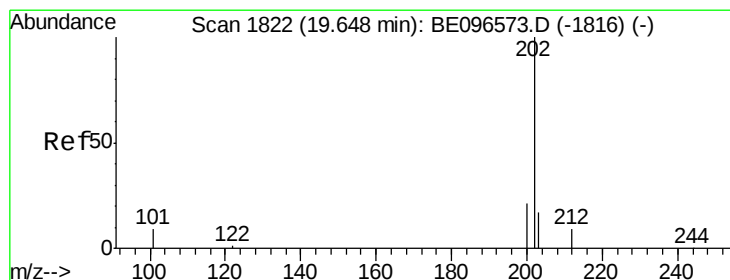
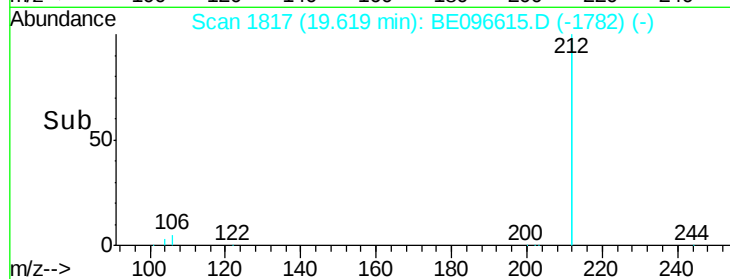
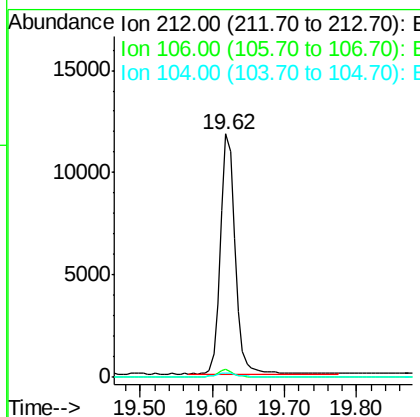
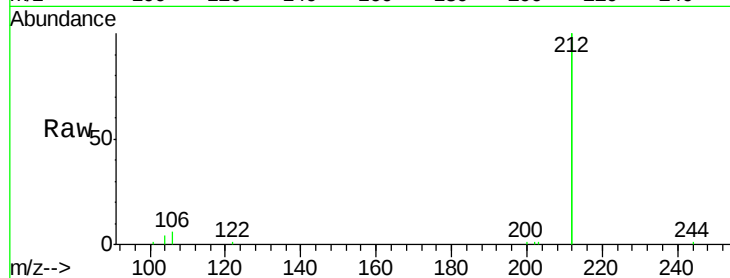
#25  
 Fluoranthene-d10  
 Concen: 0.369 ng  
 RT: 19.62 min Scan# 1817  
 Delta R.T. -0.00 min  
 Lab File: BE096615.D  
 Acq: 17 May 2018 18:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 2.7   | 2.8   | 4.2#  |
| 104     | 1.6   | 1.6   | 2.4   |

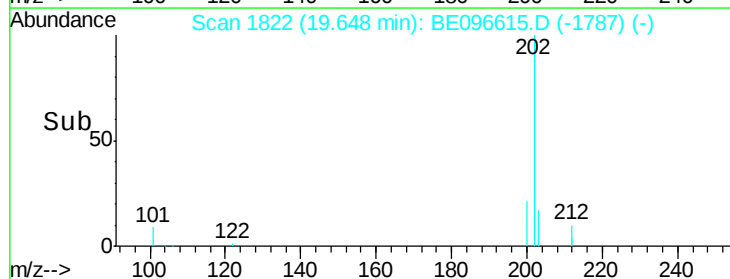
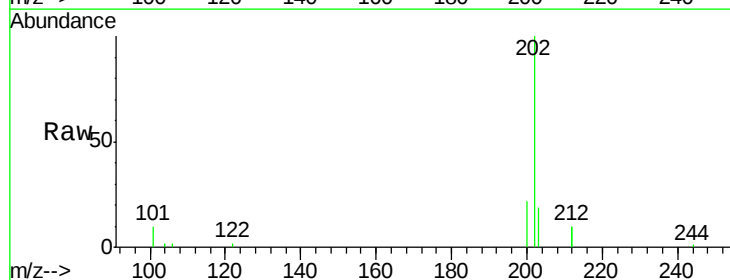
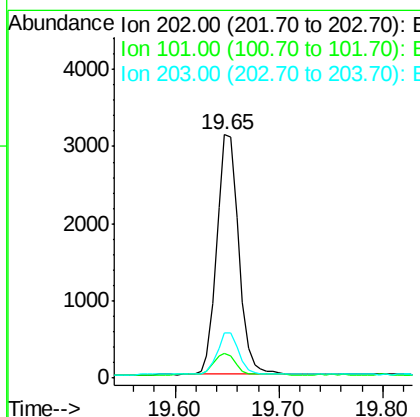
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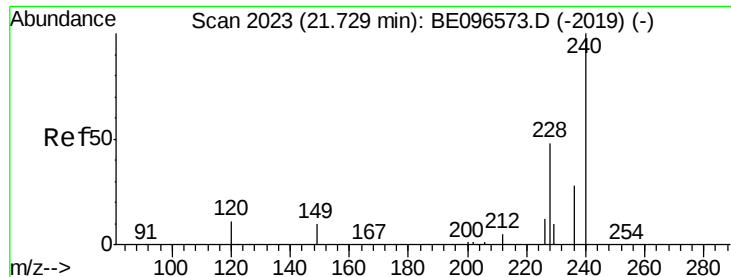
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#26  
 Fluoranthene  
 Concen: 0.373 ng  
 RT: 19.65 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: BE096615.D  
 Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.3   | 9.8   | 14.8# |
| 203     | 17.1  | 13.7  | 20.5  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

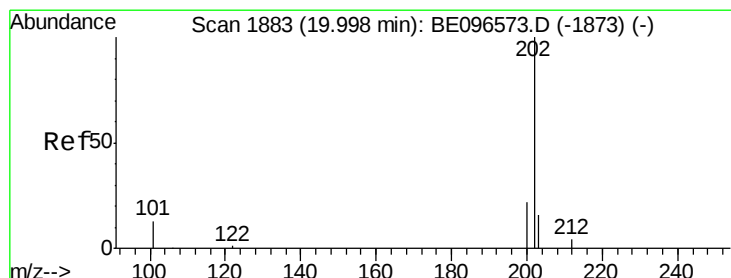
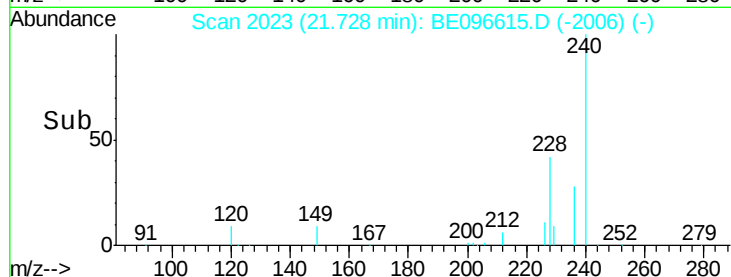
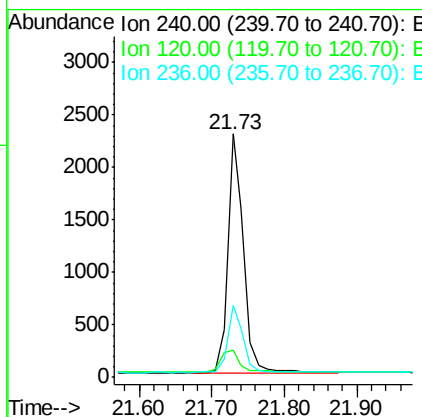
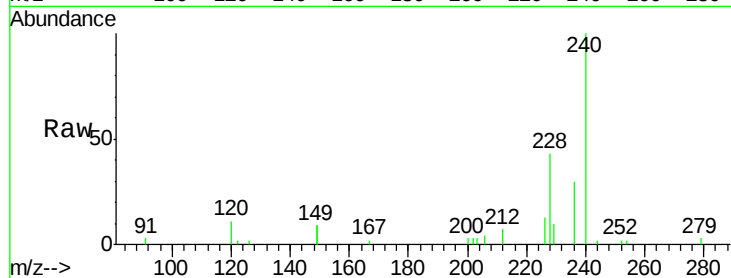
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.4  | 5.5   | 8.3#  |
| 236     | 29.6  | 20.7  | 31.1  |

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#28

Pyrene

Concen: 0.391 ng

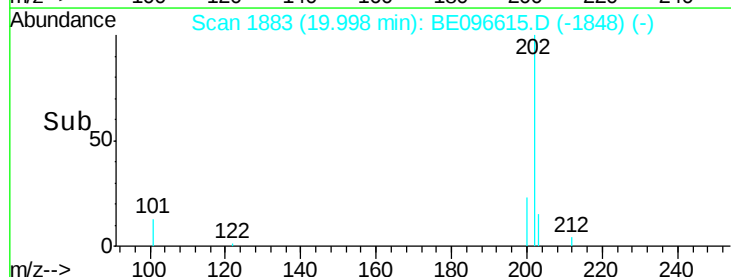
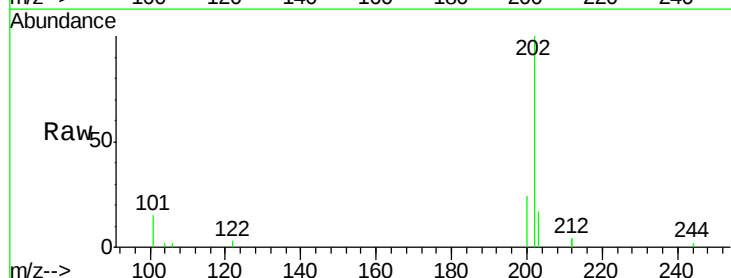
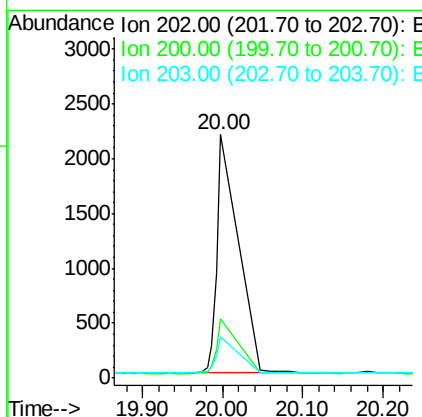
RT: 20.00 min Scan# 1883

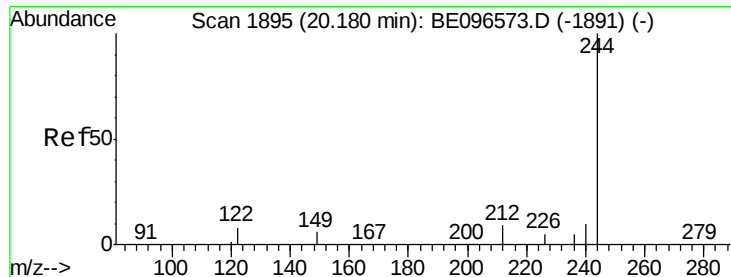
Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.8  | 16.6  | 25.0  |
| 203     | 13.8  | 13.8  | 20.8# |





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

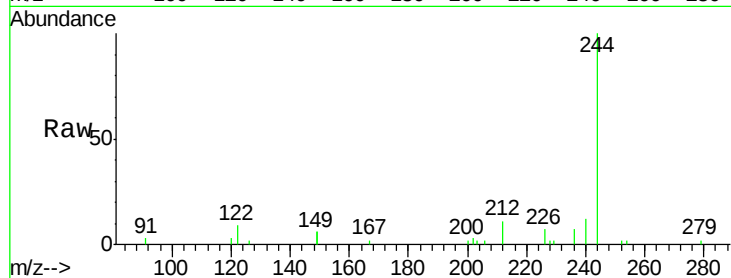
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 11.3  | 25.4  | 38.0# |
| 122     | 8.9   | 8.1   | 12.1  |

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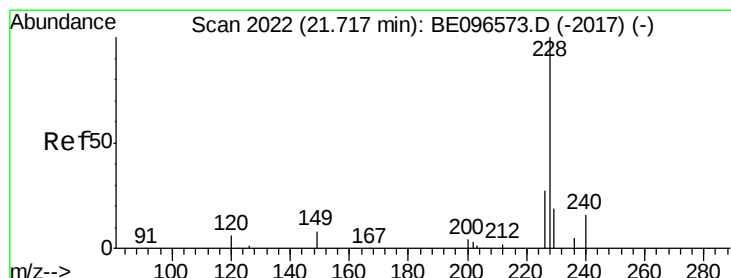
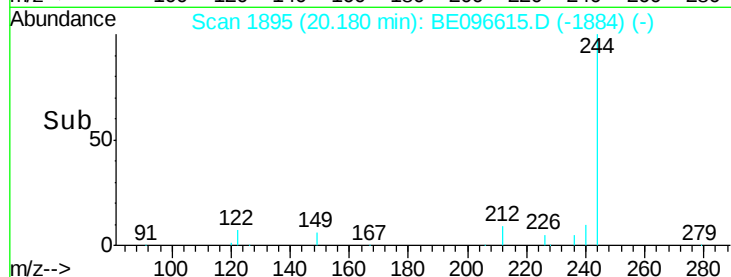
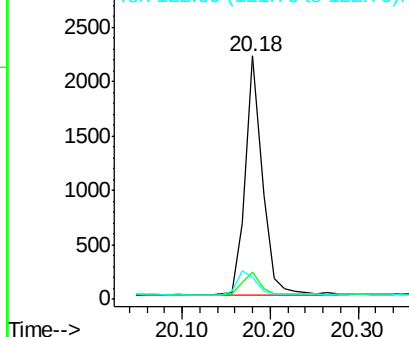
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.369 ng

RT: 21.72 min Scan# 222

Delta R.T. -0.00 min

Lab File: BE096615.D

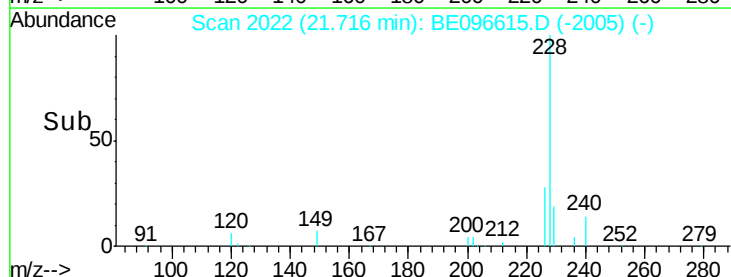
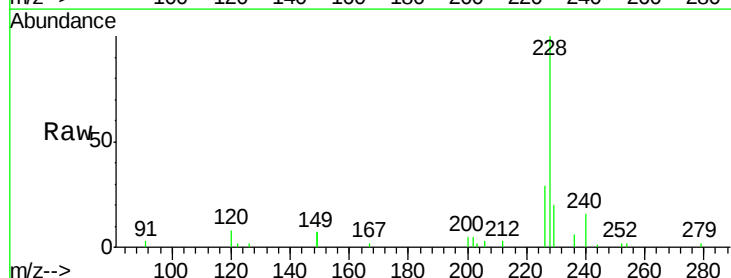
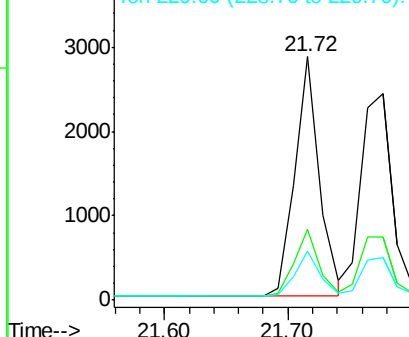
Acq: 17 May 2018 18:30

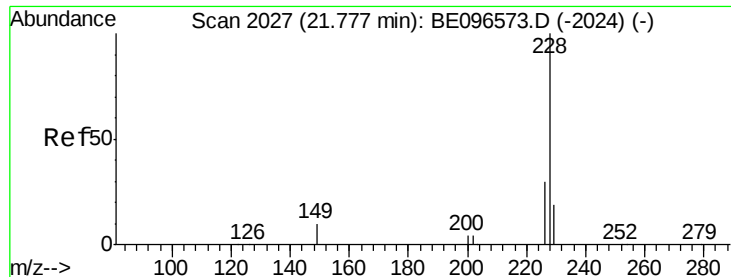
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.9  | 24.0  | 36.0  |
| 229     | 20.4  | 16.0  | 24.0  |

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: 0.380 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

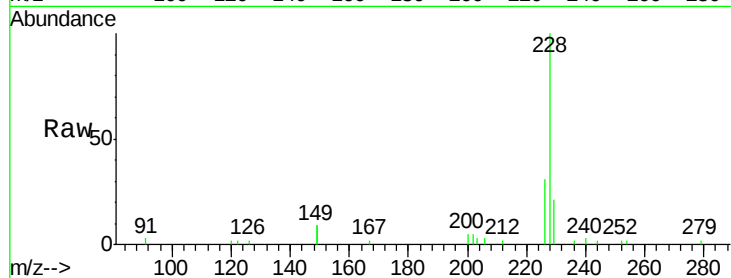
ClientSampleId :

SSTDCCC0.4EC

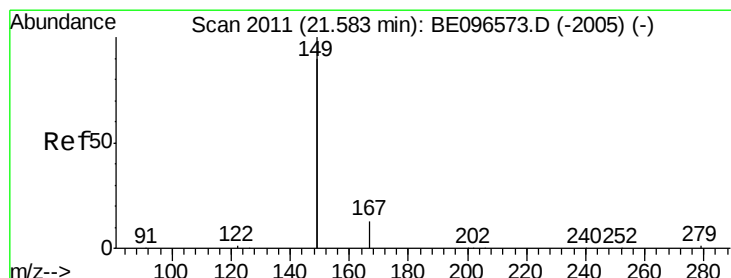
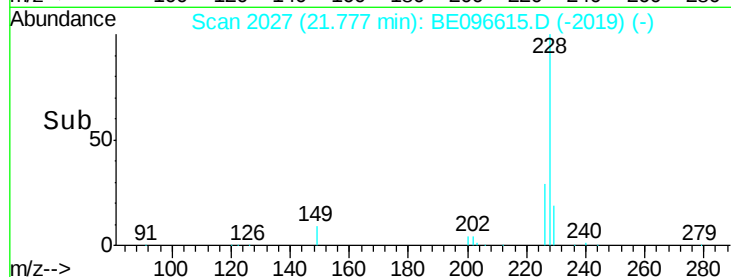
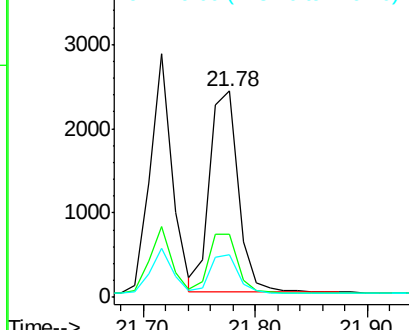
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 4210 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 30.8  | 24.0  | 36.0 |
| 229       | 20.7  | 16.0  | 24.0 |

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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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.347 ng

RT: 21.58 min Scan# 2011

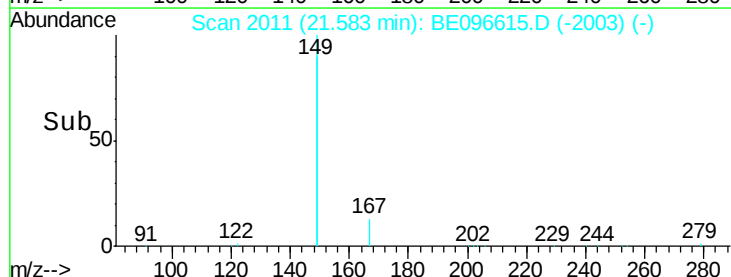
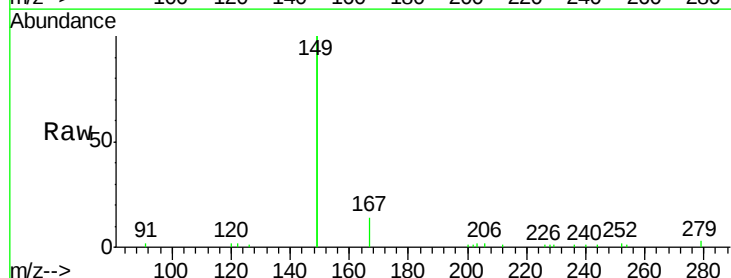
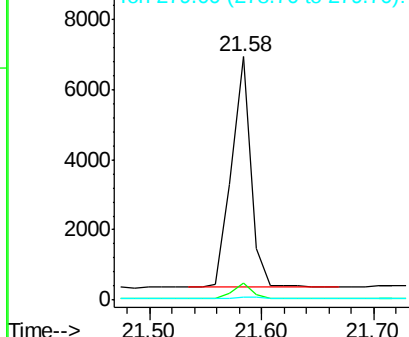
Delta R.T. -0.00 min

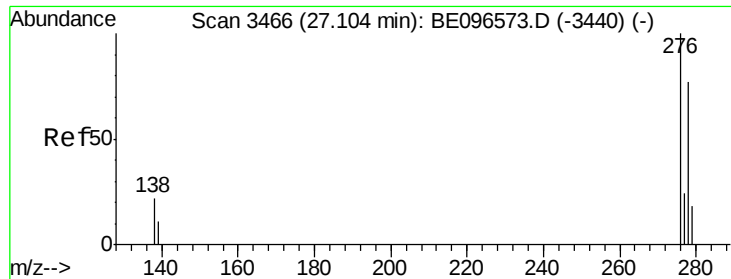
Lab File: BE096615.D

Acq: 17 May 2018 18:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 7902 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 6.7   | 5.4   | 8.0  |
| 279       | 0.9   | 0.7   | 1.1  |

Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





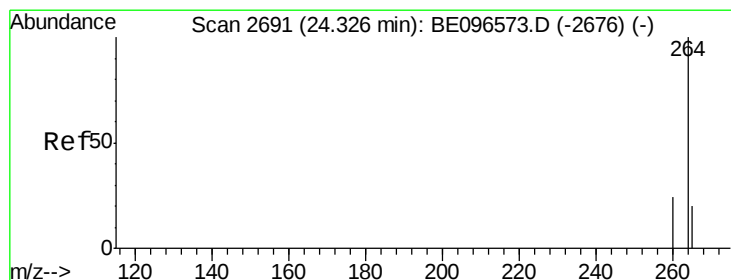
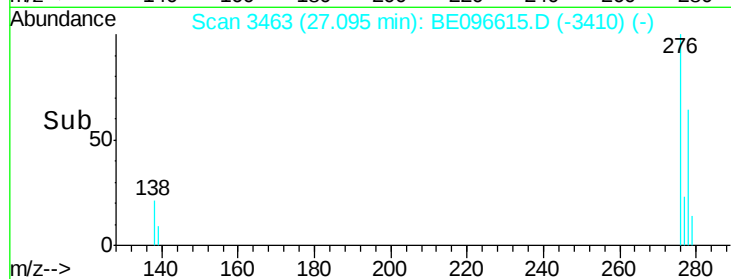
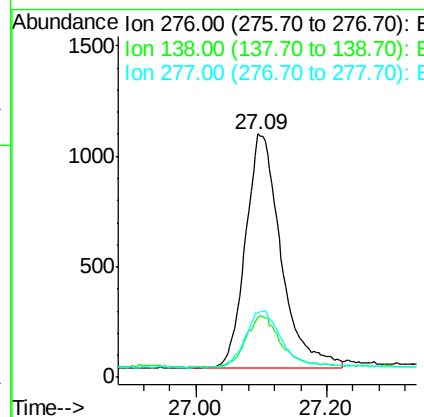
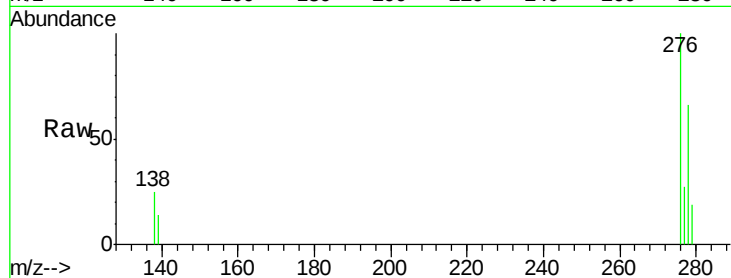
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.376 ng  
 RT: 27.09 min Scan# 3463  
 Delta R.T. -0.01 min  
 Lab File: BE096615.D  
 Acq: 17 May 2018 18:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.1  | 22.5  | 33.7# |
| 277     | 23.8  | 19.9  | 29.9  |

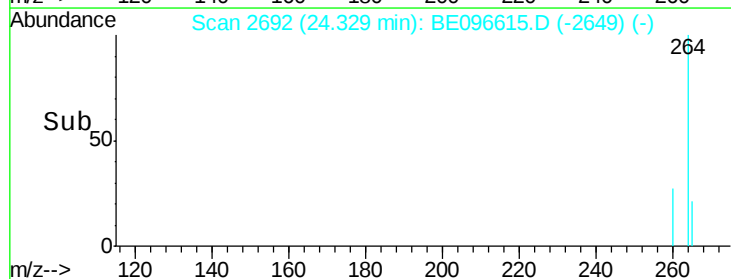
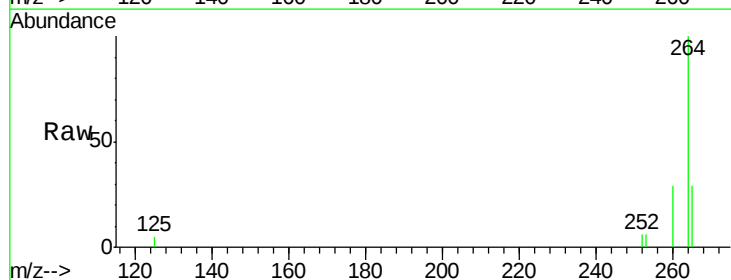
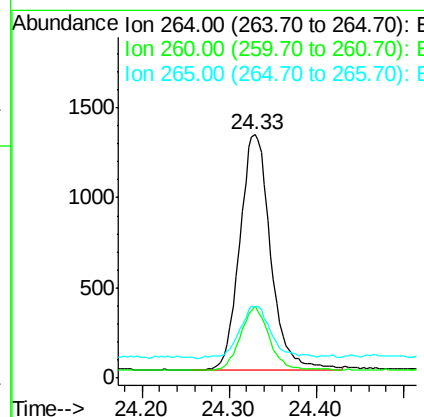
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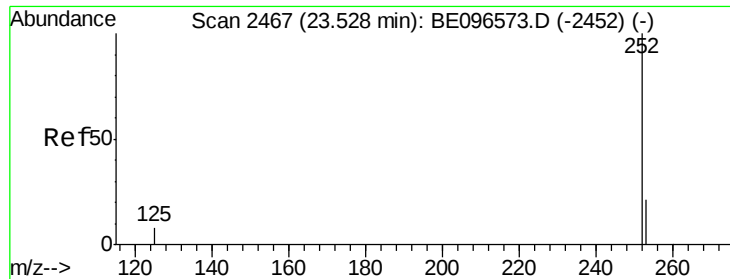
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.33 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: BE096615.D  
 Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 29.4  | 20.5  | 30.7  |
| 265     | 28.9  | 22.8  | 34.2  |





#35

Benzo(b)fluoranthene

Concen: 0.380 ng

RT: 23.52 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

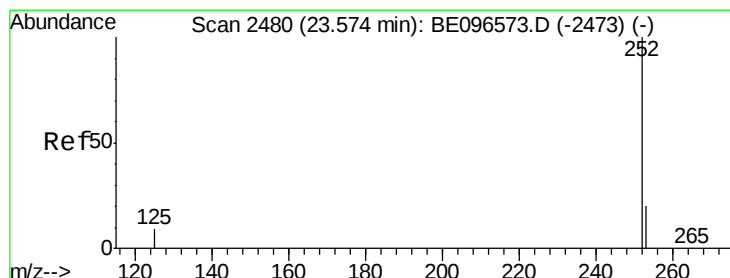
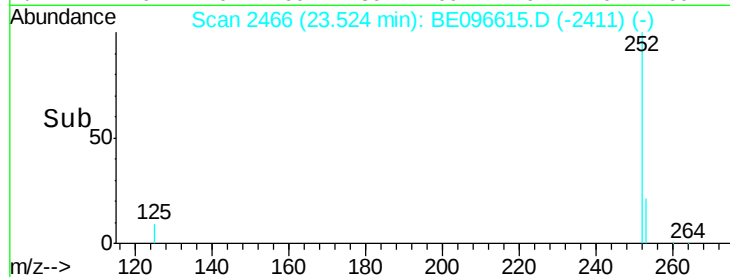
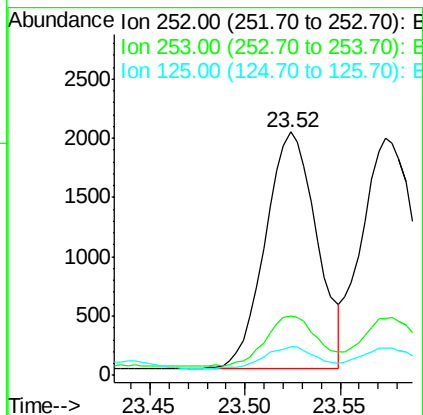
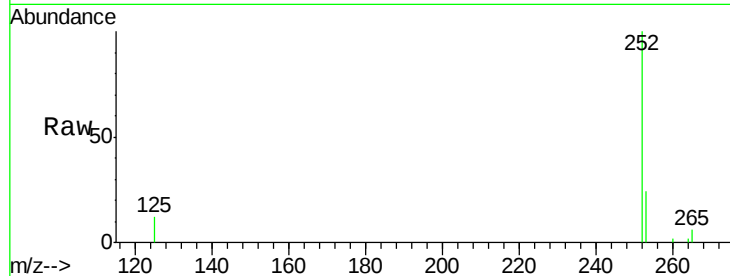
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 3761  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.1  | 20.0  | 30.0  |
| 125       | 11.5  | 16.0  | 24.0# |

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#36

Benzo(k)fluoranthene

Concen: 0.381 ng

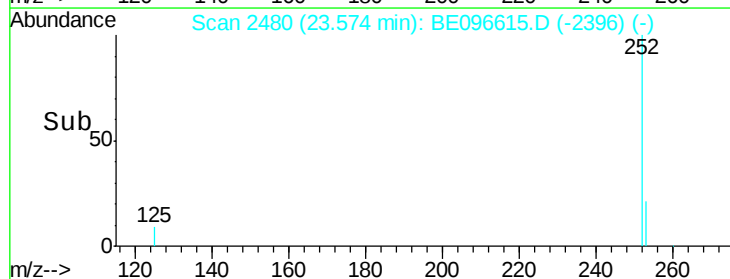
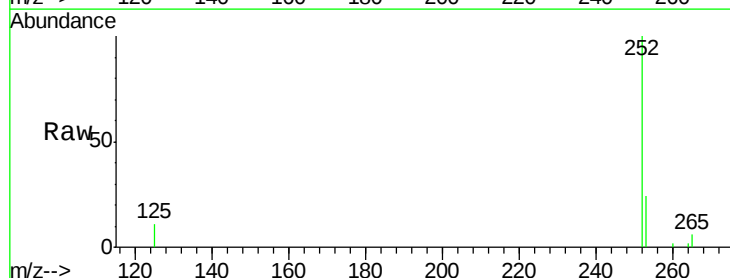
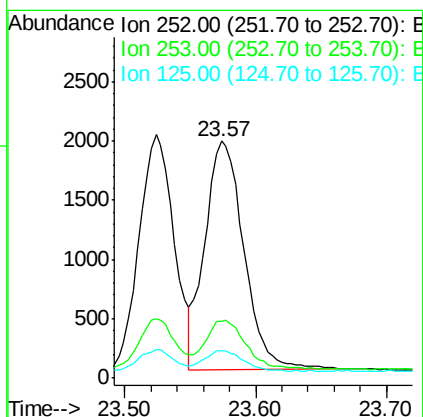
RT: 23.57 min Scan# 2480

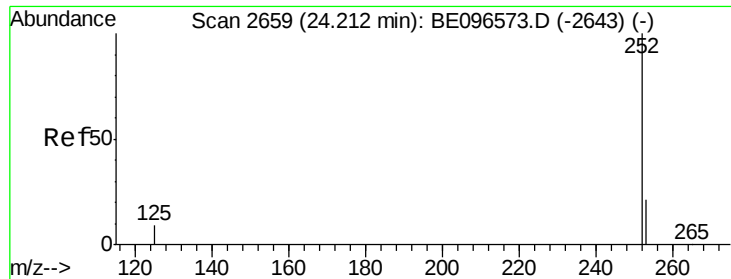
Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 3988  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.1  | 16.0  | 24.0# |
| 125       | 11.3  | 8.0   | 12.0  |





#37

Benzo(a)pyrene

Concen: 0.378 ng

RT: 24.21 min Scan# 2658

Delta R.T. -0.00 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

Instrument :

BNA\_E

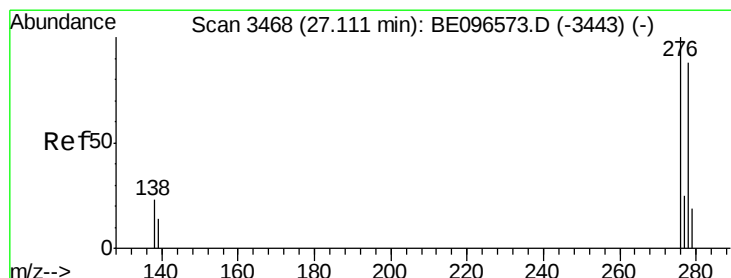
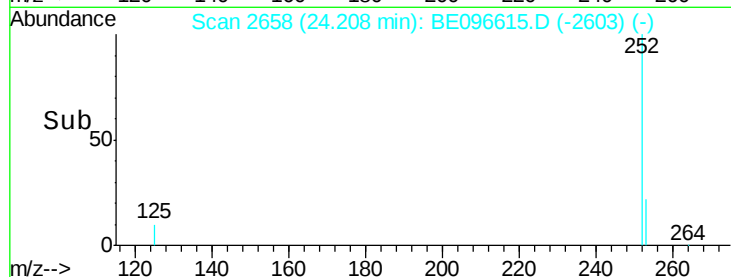
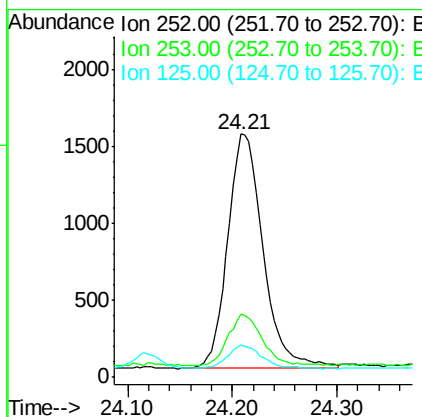
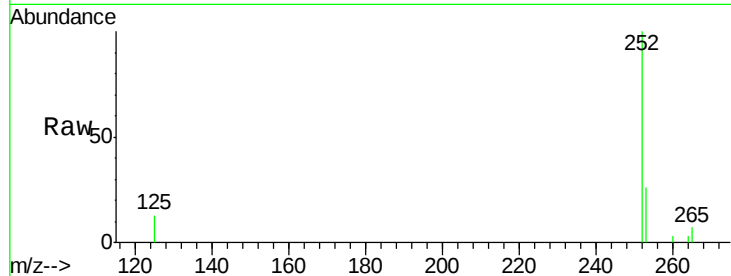
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.9  | 16.0  | 24.0# |
| 125     | 13.3  | 12.0  | 18.0  |

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#38

Dibenzo(a,h)anthracene

Concen: 0.366 ng

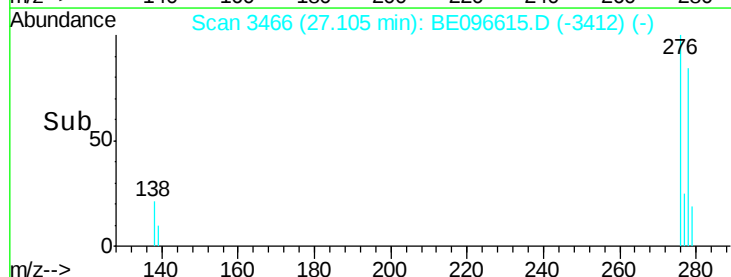
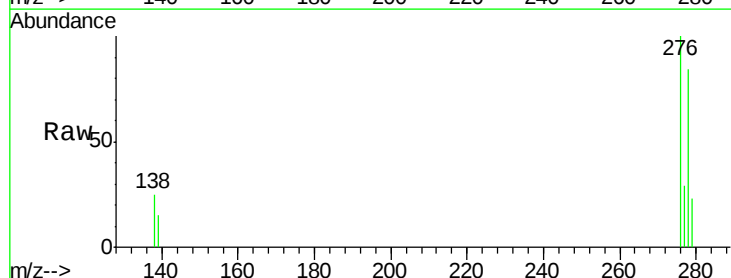
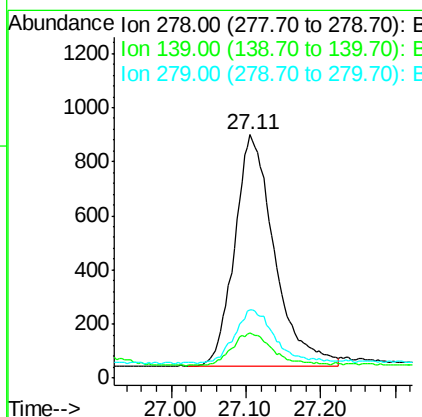
RT: 27.11 min Scan# 3466

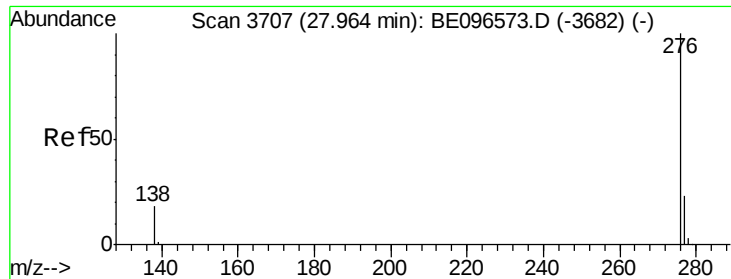
Delta R.T. -0.01 min

Lab File: BE096615.D

Acq: 17 May 2018 18:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.3  | 16.0  | 24.0  |
| 279     | 27.8  | 20.0  | 30.0  |





#39

Benzo(g,h,i)perylene

Concen: 0.378 ng

RT: 27.96 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BE096615.D

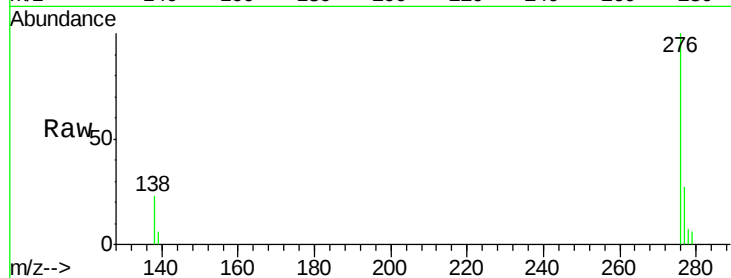
Acq: 17 May 2018 18:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 3421  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 27.2  | 16.0  | 24.0# |
| 138       | 23.1  | 20.0  | 30.0  |

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