

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE050118\  
 Data File : BE096267.D  
 Acq On : 1 May 2018 21:06  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
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 5/2/2018 4:36:27 AM

Quant Time: May 02 03:47:05 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 14:27:29 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.36  | 152  | 801      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.19 | 136  | 3097     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.94 | 164  | 1772     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.65 | 188  | 4223     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.74 | 240  | 4076     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.35 | 264  | 3969     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.88  | 112 | 986   | 0.40 | ng | 0.01 |
| 5) Phenol-d6                | 7.52  | 99  | 1390  | 0.41 | ng | 0.01 |
| 8) Nitrobenzene-d5          | 9.54  | 82  | 1472m | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.73 | 152 | 1904  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.41 | 330 | 350   | 0.41 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.57 | 172 | 2830  | 0.37 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.64 | 212 | 20287 | 0.35 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.19 | 244 | 3644  | 0.40 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.61  | 88  | 404   | 0.327  | ng | 87   |
| 3) n-Nitrosodimethylamine      | 3.96  | 42  | 629   | 0.415  | ng | # 78 |
| 6) bis(2-Chloroethyl)ether     | 7.76  | 93  | 1186  | 0.394  | ng | 90   |
| 9) Naphthalene                 | 11.24 | 128 | 12307 | 0.377  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.50 | 225 | 458   | 0.316  | ng | 95   |
| 12) 2-Methylnaphthalene        | 12.81 | 142 | 2082  | 0.385  | ng | 96   |
| 16) Acenaphthylene             | 14.67 | 152 | 3611  | 0.382  | ng | 99   |
| 17) Acenaphthene               | 15.00 | 154 | 2160  | 0.380  | ng | 95   |
| 18) Fluorene                   | 15.97 | 166 | 3354  | 0.477  | ng | # 72 |
| 20) 4-Bromophenyl-phenylether  | 16.83 | 248 | 957   | 0.381  | ng | # 71 |
| 21) Hexachlorobenzene          | 16.96 | 284 | 934   | 0.374  | ng | # 81 |
| 22) Pentachlorophenol          | 17.31 | 266 | 407   | 0.489  | ng | # 80 |
| 23) Phenanthrene               | 17.70 | 178 | 4359  | 0.367  | ng | 99   |
| 24) Anthracene                 | 17.78 | 178 | 4316  | 0.381  | ng | # 94 |
| 26) Fluoranthene               | 19.67 | 202 | 5492  | 0.352  | ng | 97   |
| 28) Pyrene                     | 20.00 | 202 | 341   | 0.042  | ng | # 79 |
| 30) Benzo(a)anthracene         | 21.73 | 228 | 4986  | 0.381  | ng | 98   |
| 31) Chrysene                   | 21.79 | 228 | 4856  | 0.385  | ng | 95   |
| 32) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 15526 | 0.460  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 27.13 | 276 | 4978  | 0.407  | ng | 94   |
| 35) Benzo(b)fluoranthene       | 23.54 | 252 | 4475  | 0.376  | ng | 94   |
| 36) Benzo(k)fluoranthene       | 23.59 | 252 | 4579  | 0.374  | ng | # 83 |
| 37) Benzo(a)pyrene             | 24.23 | 252 | 4331  | 0.378  | ng | # 84 |
| 38) Dibenzo(a,h)anthracene     | 27.14 | 278 | 4163  | 0.413  | ng | # 90 |
| 39) Benzo(g,h,i)perylene       | 28.00 | 276 | 4179  | 0.392  | ng | # 91 |

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

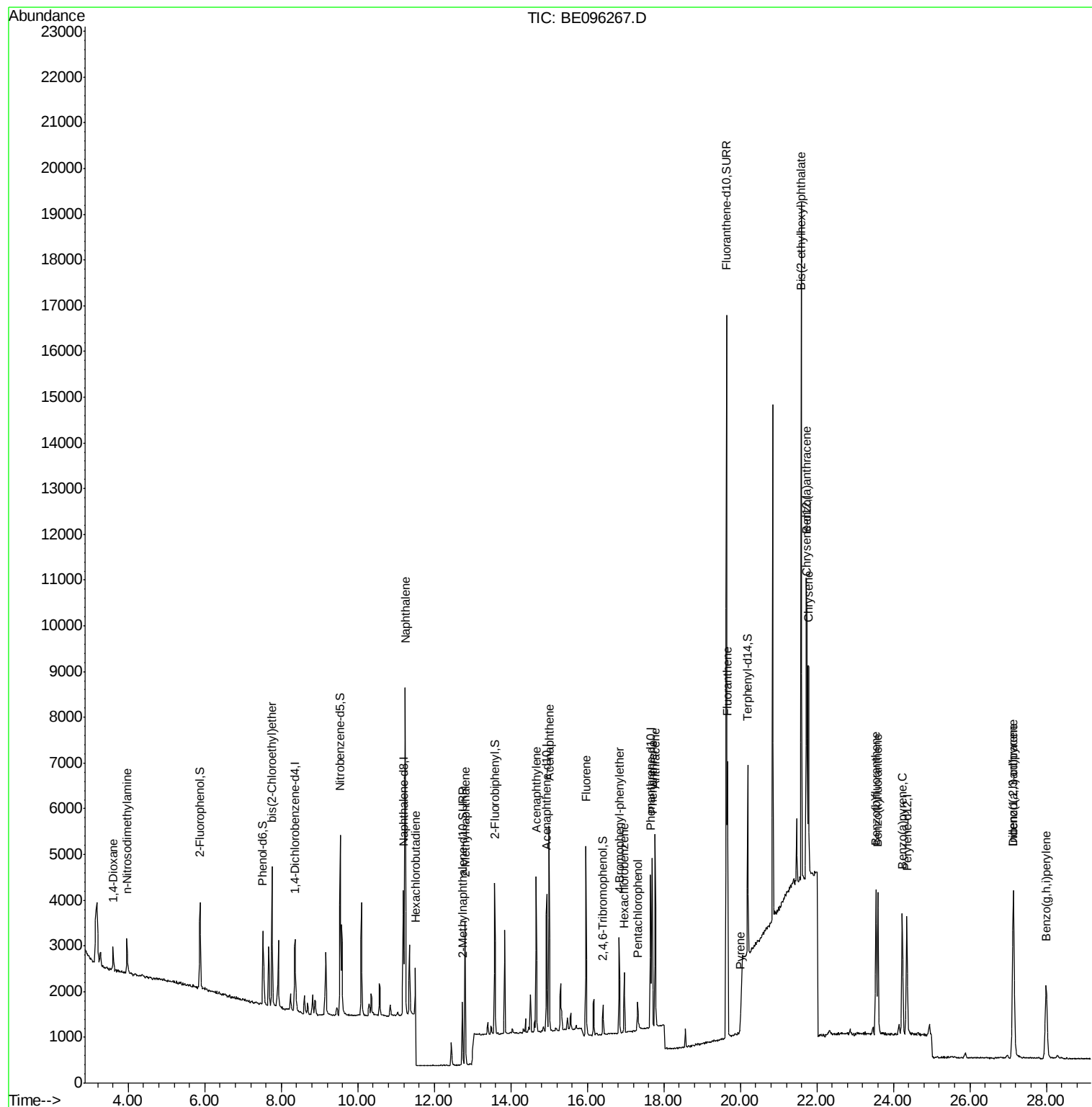
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE050118\  
Data File : BE096267.D  
Acq On : 1 May 2018 21:06  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

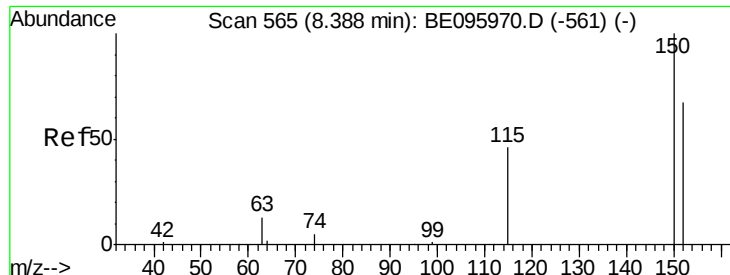
Instrument :  
BNA\_E  
ClientSampleID :  
SSTDCCC0.4EC

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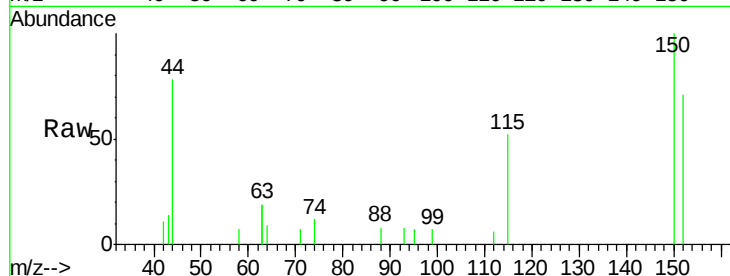
Quant Time: May 02 03:47:05 2018  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE041118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 30 14:27:29 2018  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.36 min Scan# 562  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

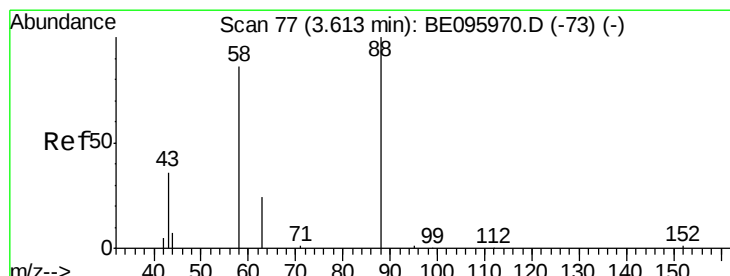
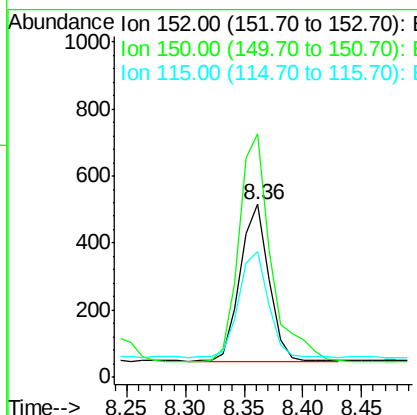
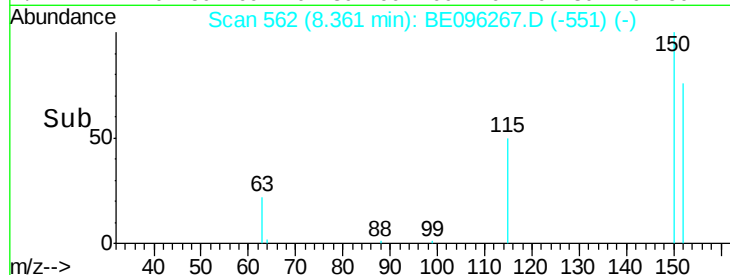
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 801   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 140.7 | 117.2 | 175.8 |
| 115      | 72.9  | 57.0  | 85.6  |

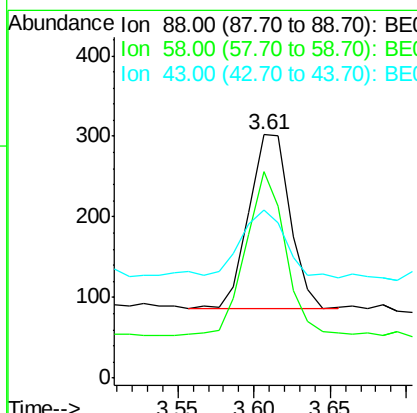
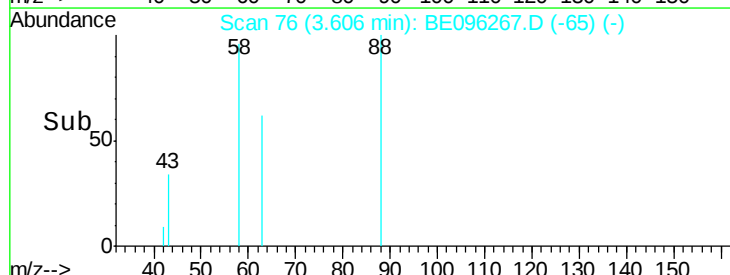
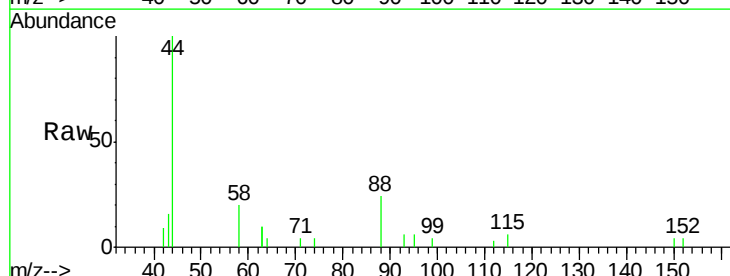
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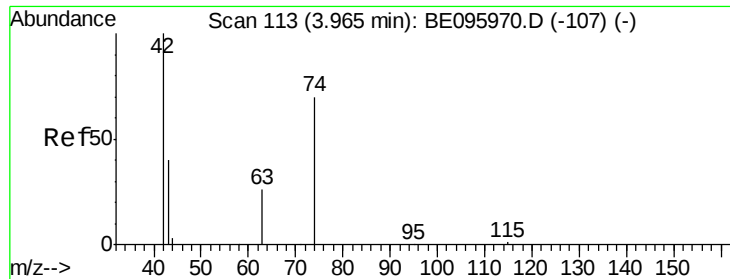
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#2  
 1,4-Dioxane  
 Concen: 0.327 ng  
 RT: 3.61 min Scan# 76  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 404   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 91.1  | 63.2  | 94.8  |
| 43       | 43.6  | 41.2  | 61.8  |





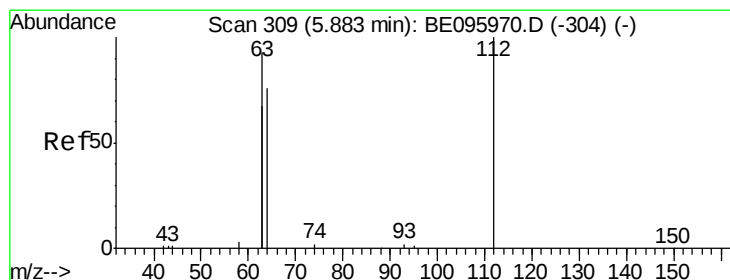
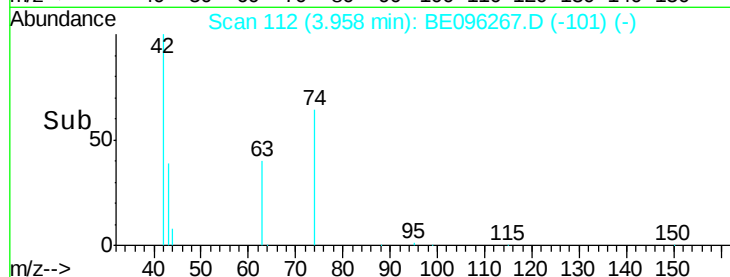
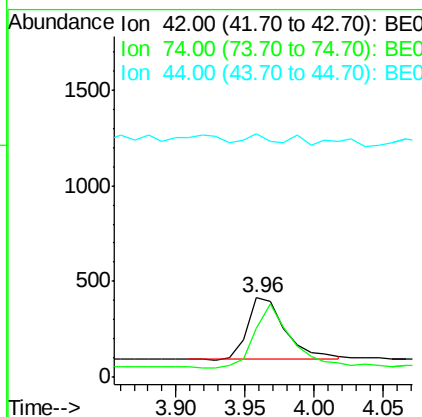
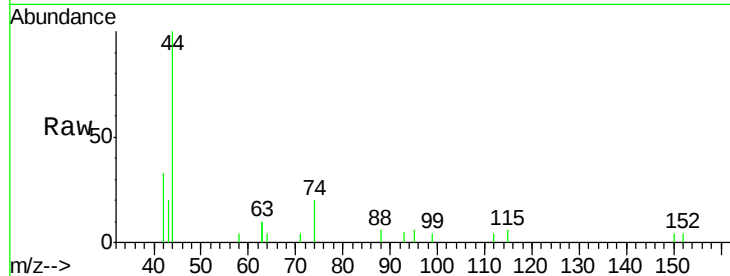
#3  
n-Nitrosodimethylamine  
Concen: 0.415 ng  
RT: 3.96 min Scan# 112  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 95.5  | 96.0  | 144.0# |
| 44      | 7.5   | 12.0  | 18.0#  |

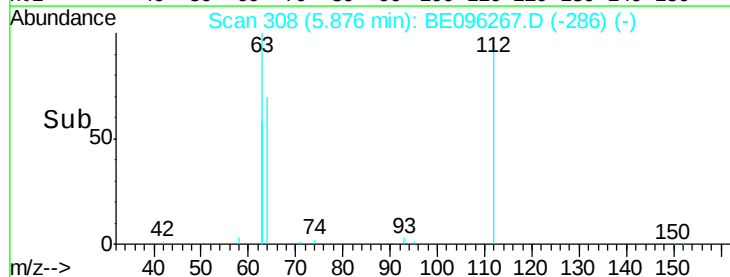
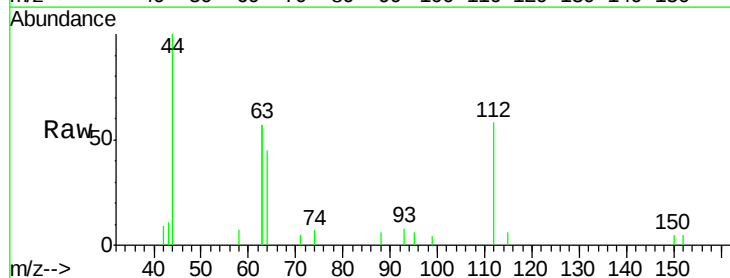
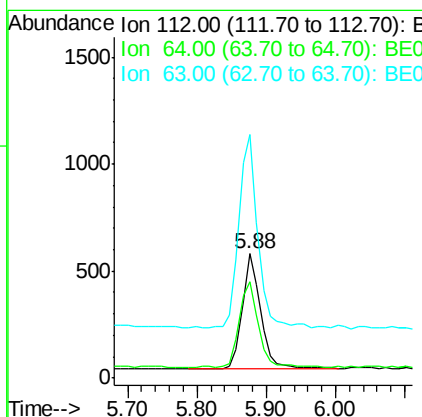
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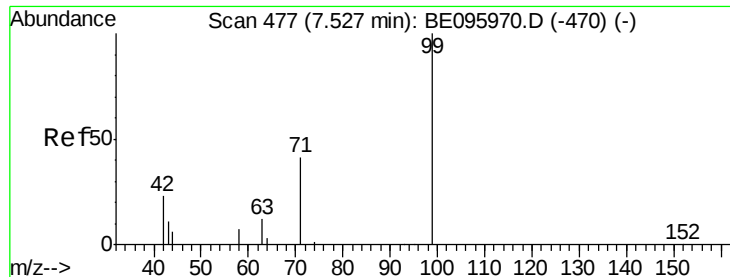
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#4  
2-Fluorophenol  
Concen: 0.398 ng  
RT: 5.88 min Scan# 308  
Delta R.T. 0.01 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 76.7  | 60.1  | 90.1  |
| 63      | 174.9 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.407 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

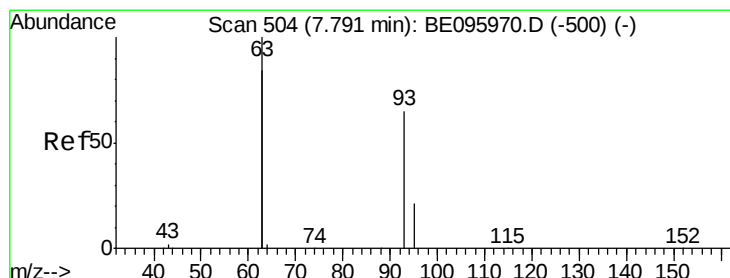
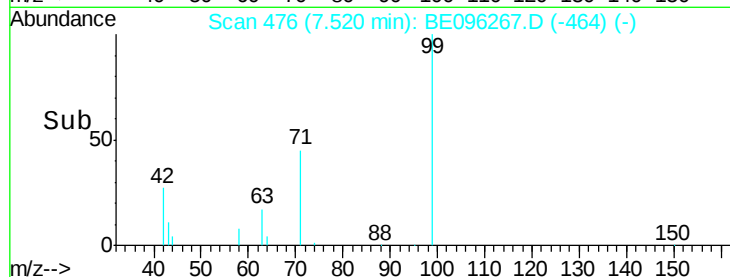
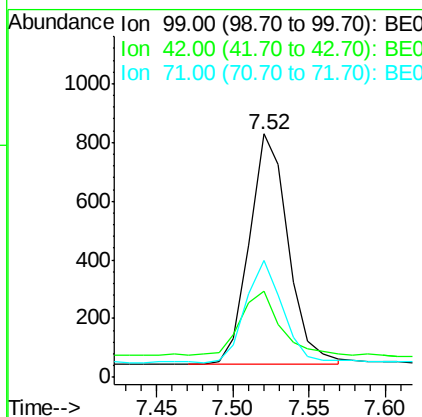
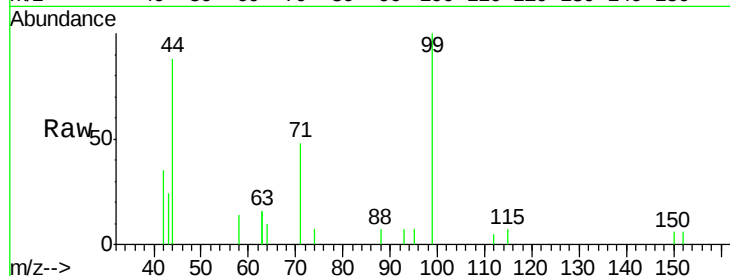
ClientSampleId :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1390  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 28.0  | 20.2  | 30.2  |
| 71       | 43.4  | 28.4  | 42.6# |

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#6

bis(2-Chloroethyl)ether

Concen: 0.394 ng

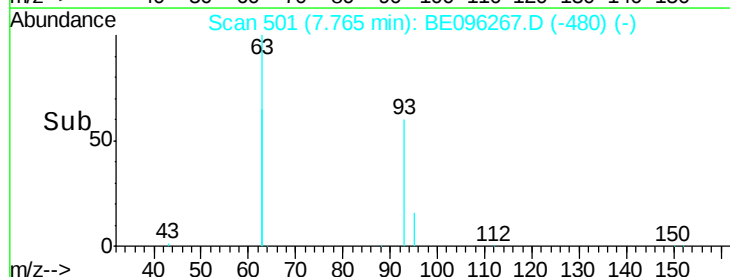
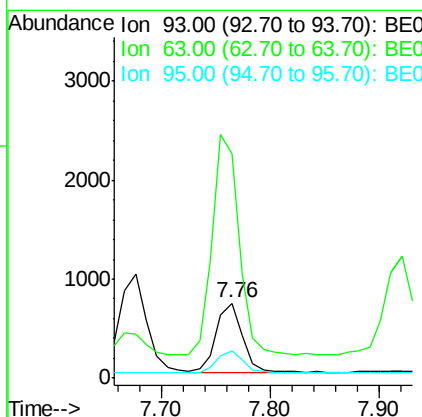
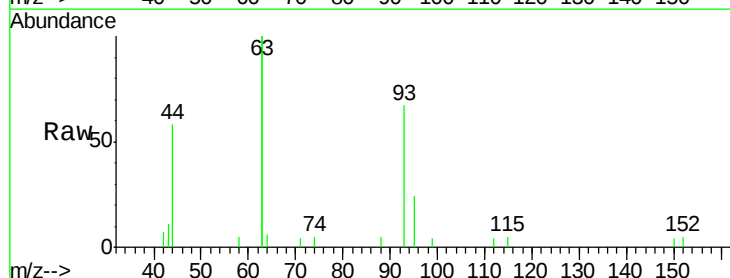
RT: 7.76 min Scan# 501

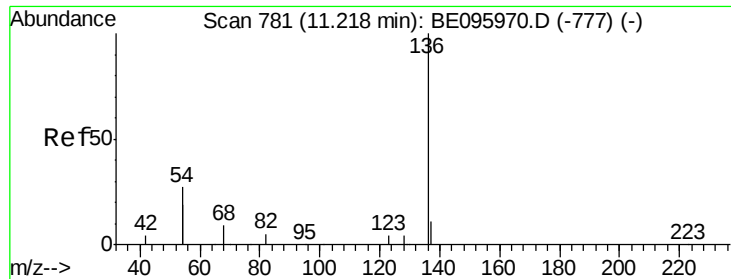
Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1186  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 321.1 | 275.3 | 412.9 |
| 95       | 31.7  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

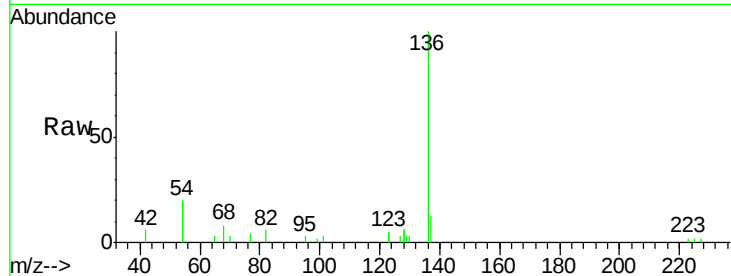
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 3097 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 13.3  | 9.5   | 14.3 |
| 54        | 39.8  | 29.1  | 43.7 |
| 68        | 7.9   | 6.2   | 9.2  |

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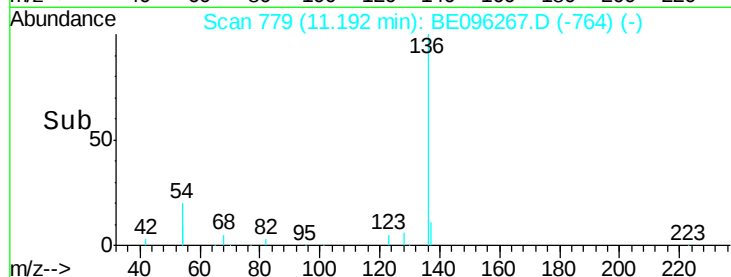
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

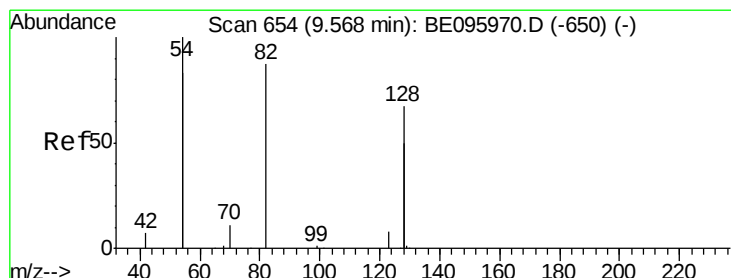
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.405 ng m

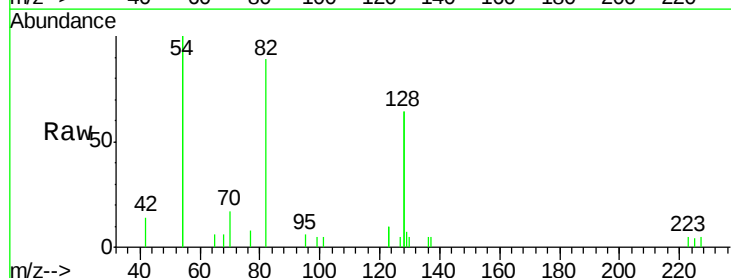
RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 1472   |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 72.3  | 150.0 | 225.0# |
| 54        | 112.7 | 154.2 | 231.4# |

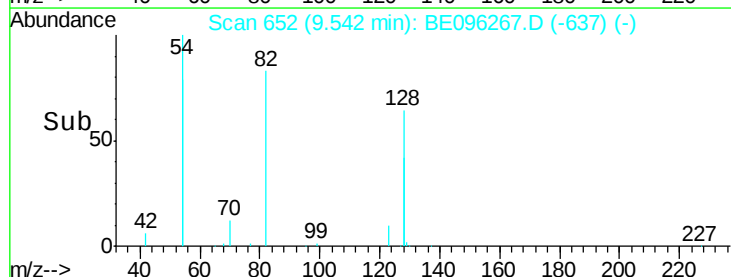


Abundance Ion 82.00 (81.70 to 82.70): BE0

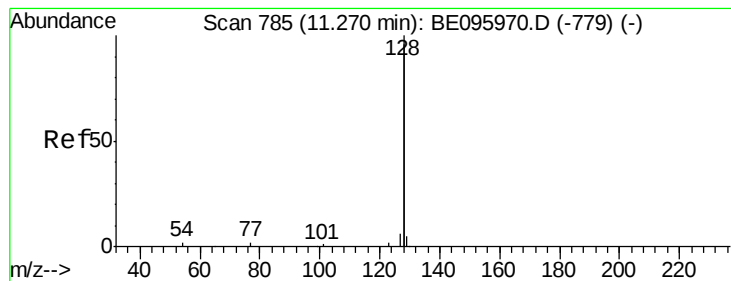
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.377 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

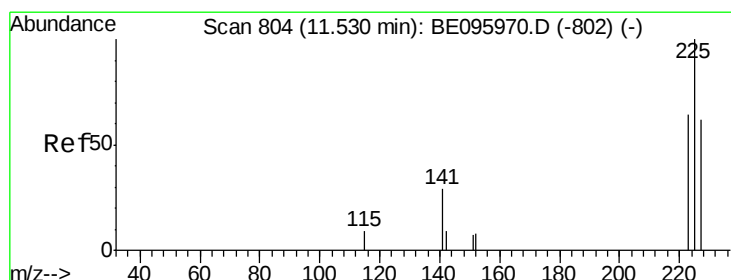
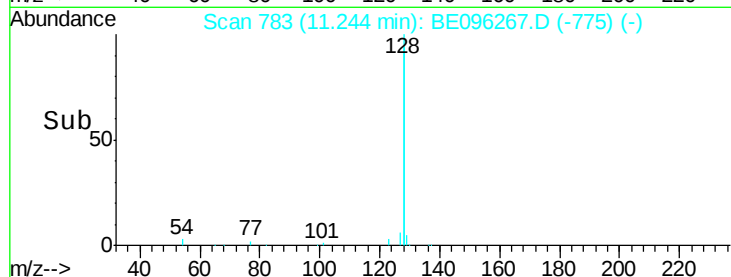
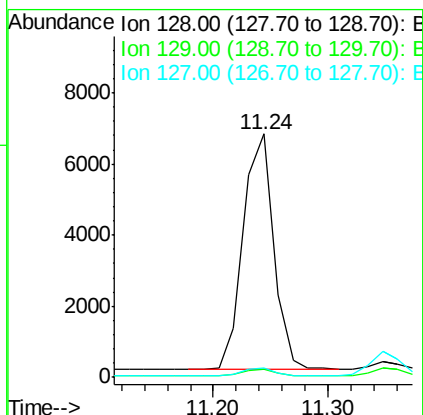
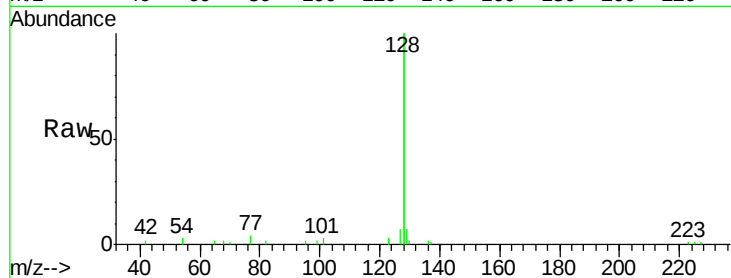
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 12307 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.4   | 2.6   | 3.8   |
| 127       | 3.7   | 2.8   | 4.2   |

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#10

Hexachlorobutadiene

Concen: 0.316 ng

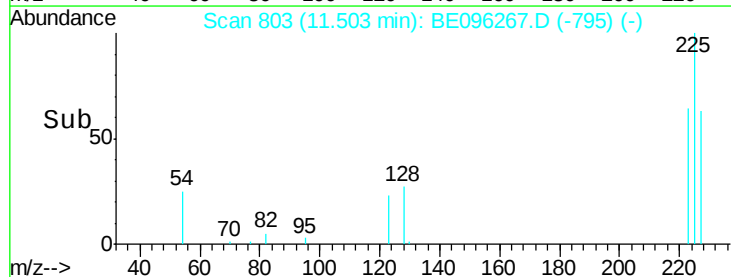
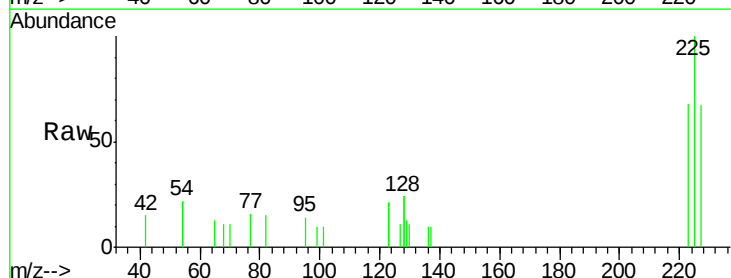
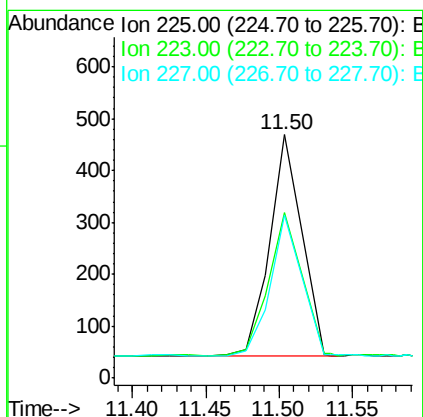
RT: 11.50 min Scan# 803

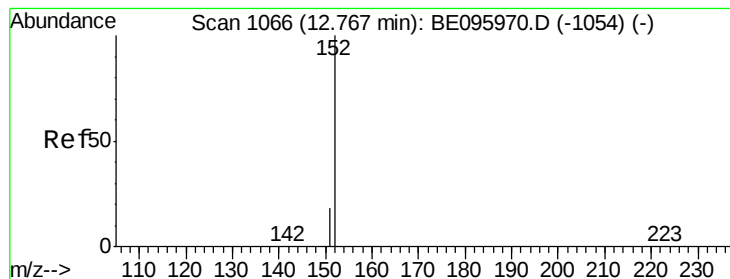
Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 458  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 62.2  | 53.0  | 79.6 |
| 227       | 68.1  | 51.4  | 77.2 |





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.73 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:152 Resp: 1904

Ion Ratio Lower Upper

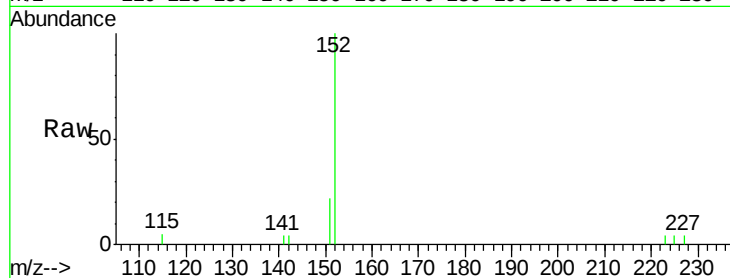
152 100

151 20.2 15.4 23.0

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

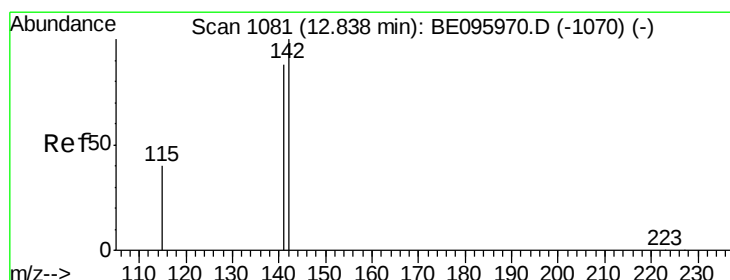
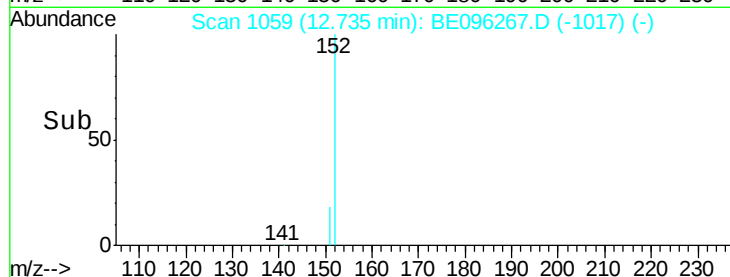
12.73

1000

500

0

Time--> 12.65 12.70 12.75 12.80



#12

2-Methylnaphthalene

Concen: 0.385 ng

RT: 12.81 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

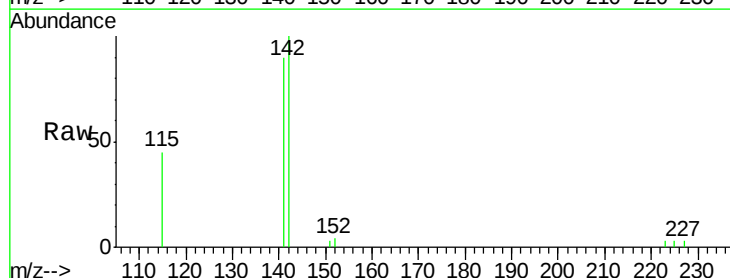
Tgt Ion:142 Resp: 2082

Ion Ratio Lower Upper

142 100

141 90.0 70.4 105.6

115 44.7 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.81

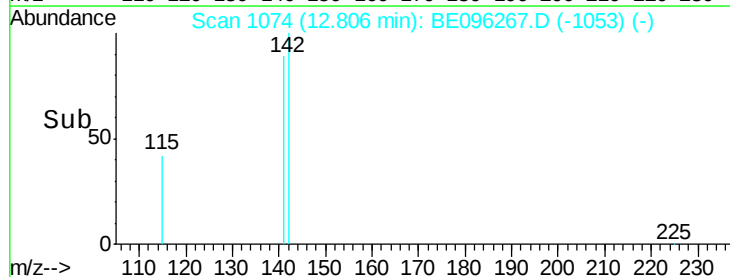
1500

1000

500

0

Time--> 12.75 12.80 12.85





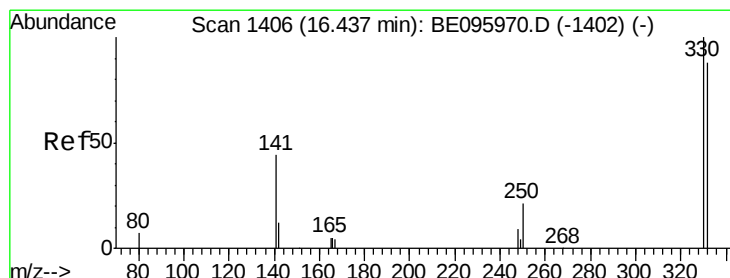
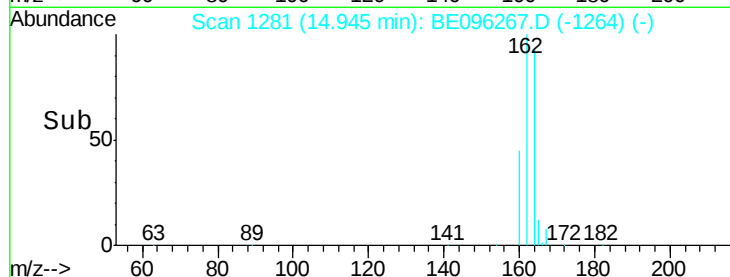
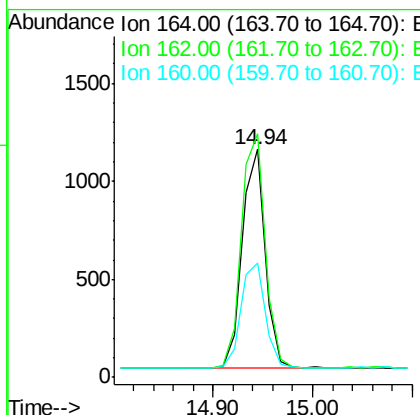
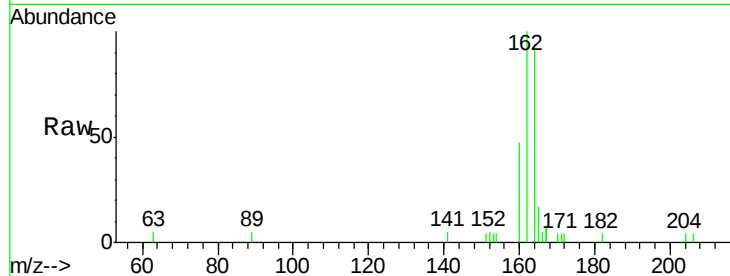
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.94 min Scan# 1281  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4EC

Tgt Ion:164 Resp: 1772  
 Ion Ratio Lower Upper  
 164 100  
 162 106.9 83.1 124.7  
 160 50.2 37.1 55.7

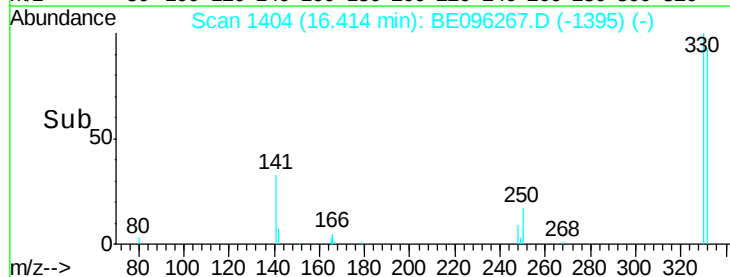
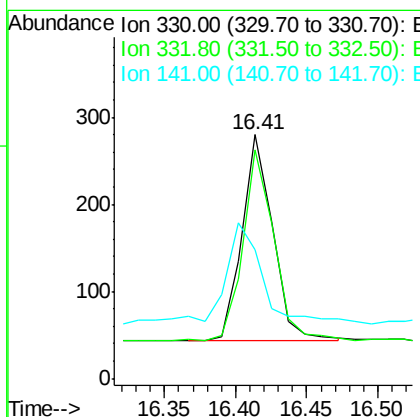
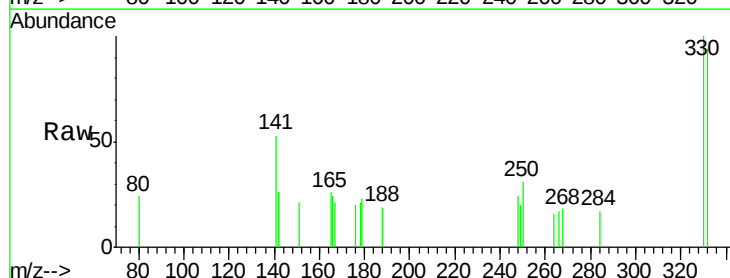
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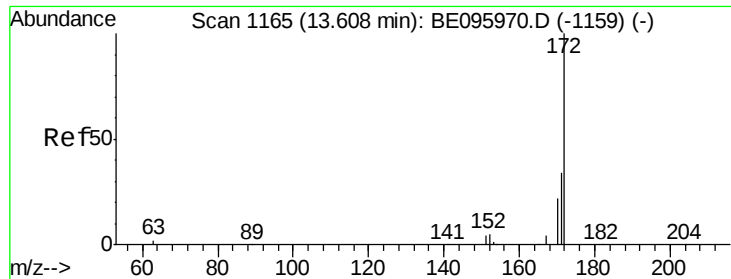
Sohil  
 5/2/2018 4:36:27 AM



#14  
 2,4,6-Tribromophenol  
 Concen: 0.409 ng  
 RT: 16.41 min Scan# 1404  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

Tgt Ion:330 Resp: 350  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 152.7 229.1#  
 141 50.9 33.7 50.5#





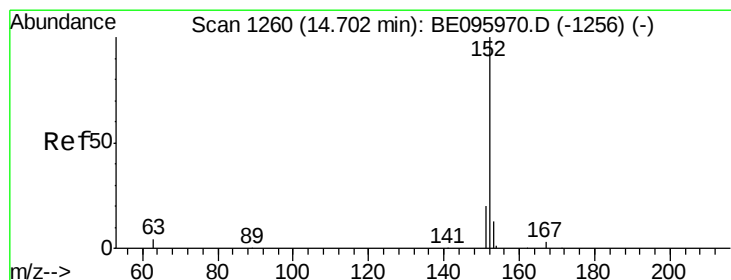
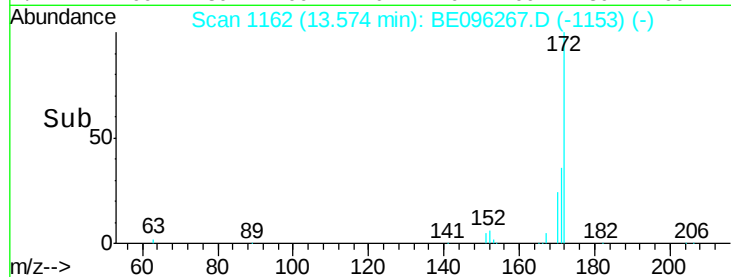
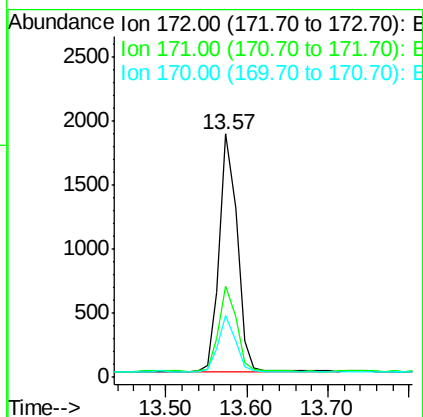
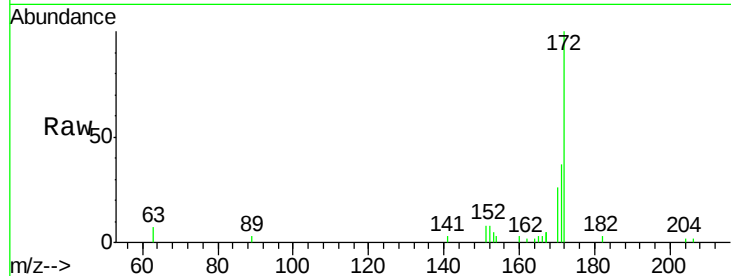
#15  
2-Fluorobiphenyl  
Concen: 0.373 ng  
RT: 13.57 min Scan# 1162  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.9  | 44.9  |
| 170     | 25.6  | 21.8  | 32.8  |

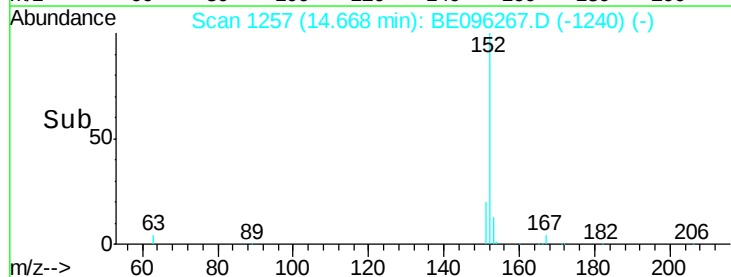
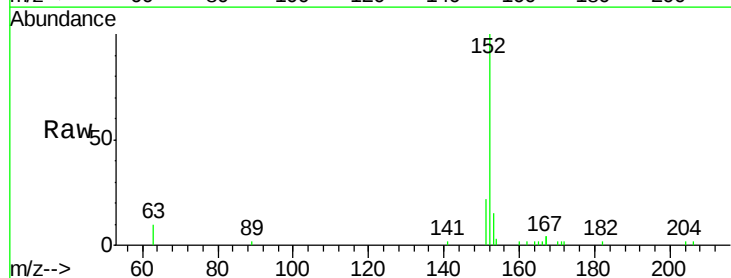
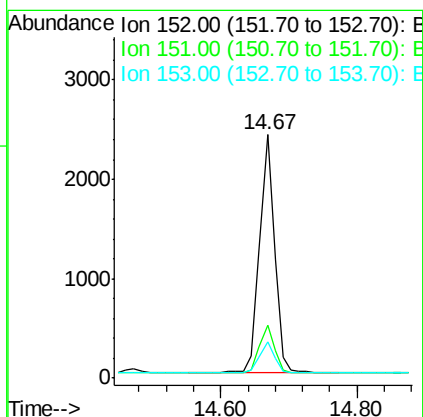
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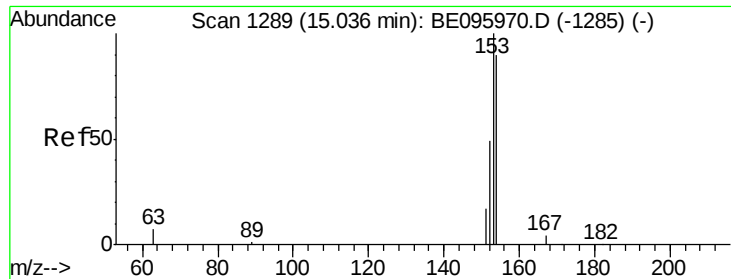
Sohil  
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#16  
Acenaphthylene  
Concen: 0.382 ng  
RT: 14.67 min Scan# 1257  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 15.7  | 23.5  |
| 153     | 13.3  | 10.5  | 15.7  |





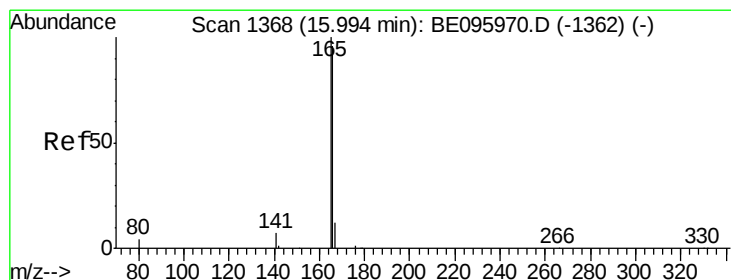
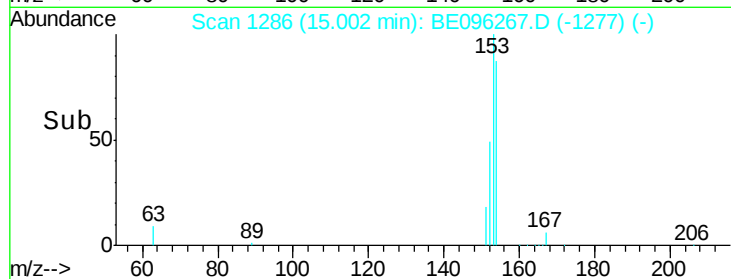
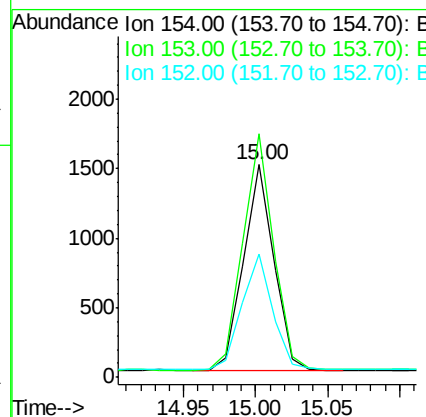
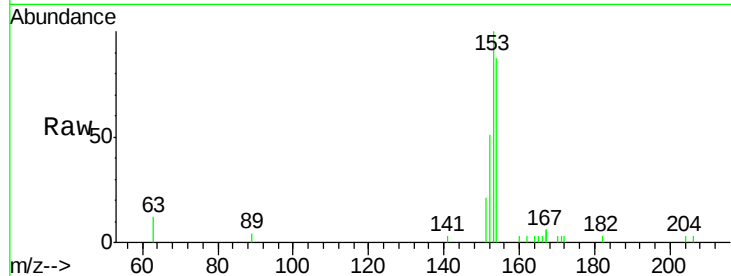
#17  
Acenaphthene  
Concen: 0.380 ng  
RT: 15.00 min Scan# 1286  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.1 | 89.2  | 133.8 |
| 152     | 56.6  | 42.0  | 63.0  |

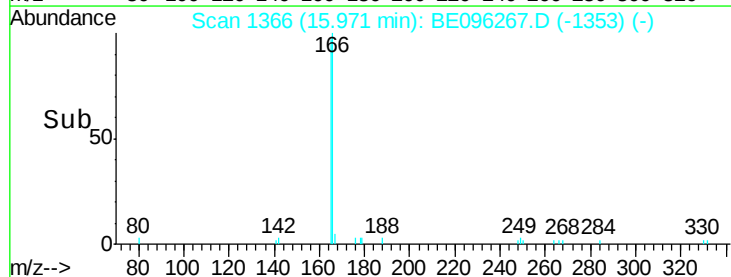
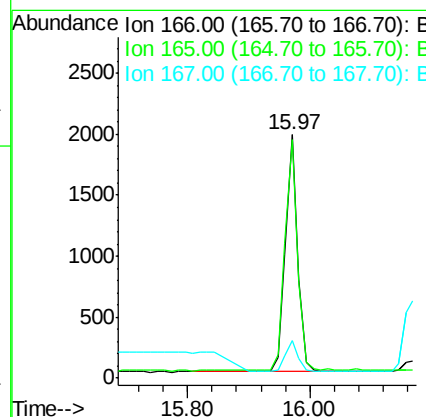
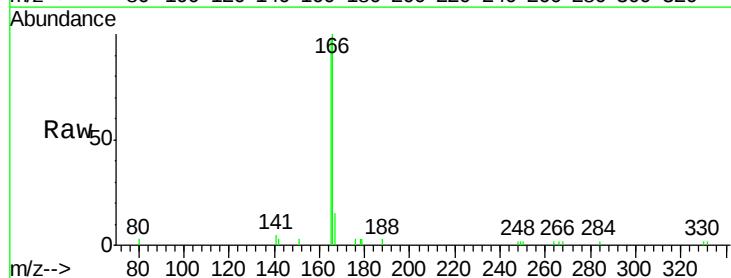
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#18  
Fluorene  
Concen: 0.477 ng  
RT: 15.97 min Scan# 1366  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 108.1 | 77.8  | 116.6 |
| 167     | 11.6  | 42.4  | 63.6# |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

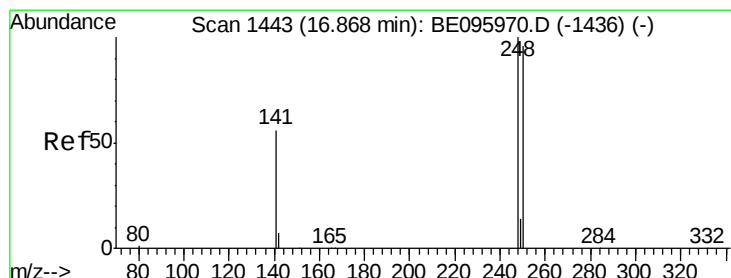
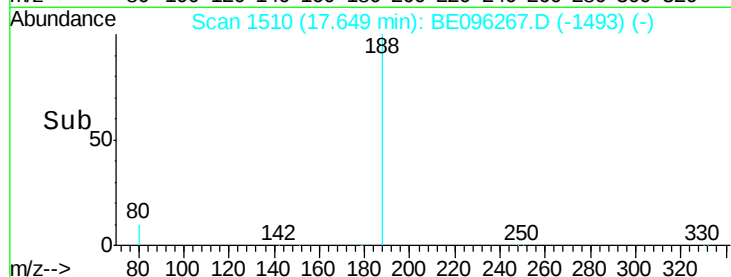
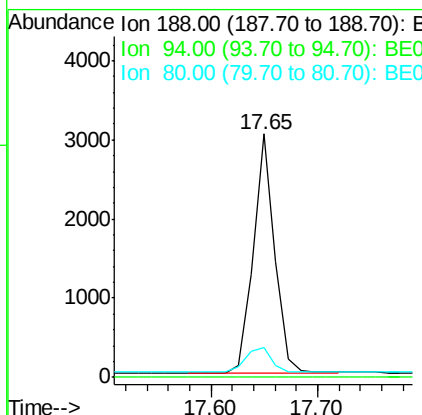
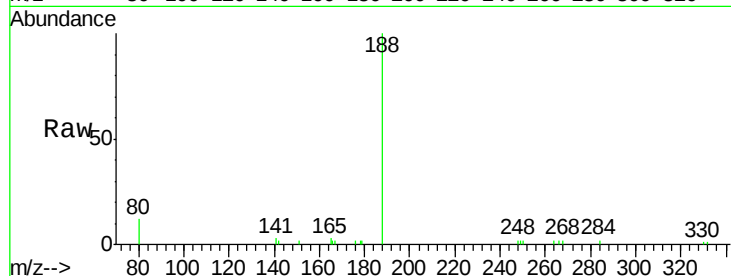
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 4223 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 3.9   | 5.9# |
| 80        | 12.3  | 3.6   | 5.4# |

Manual Integrations  
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#20

4-Bromophenyl-phenylether

Concen: 0.381 ng

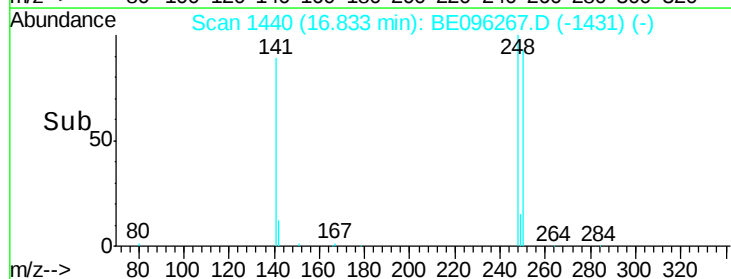
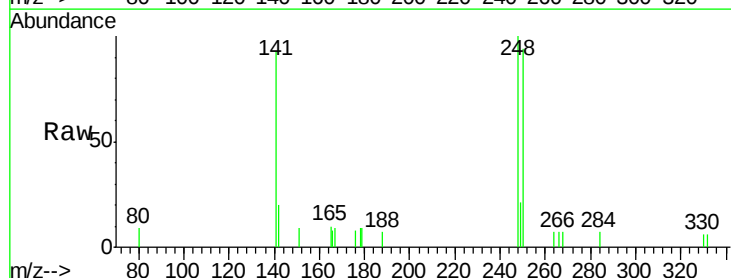
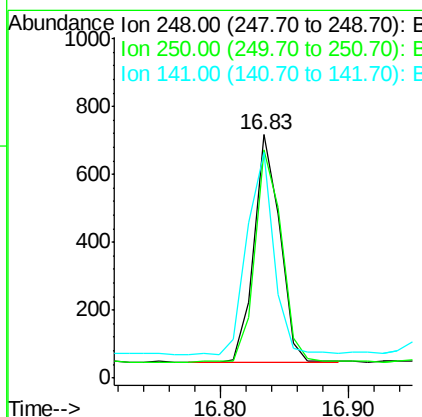
RT: 16.83 min Scan# 1440

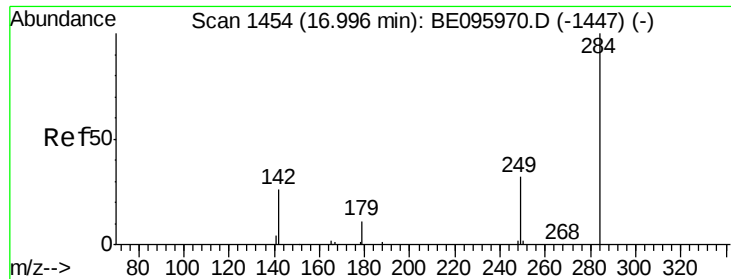
Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 957   |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 93.9  | 62.7  | 94.1  |
| 141       | 92.7  | 48.2  | 72.2# |





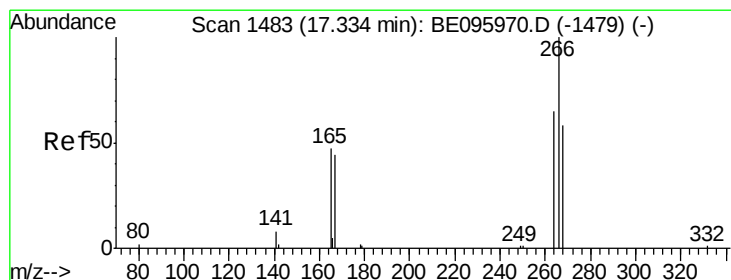
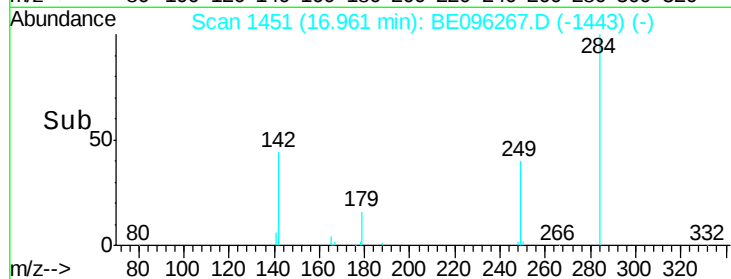
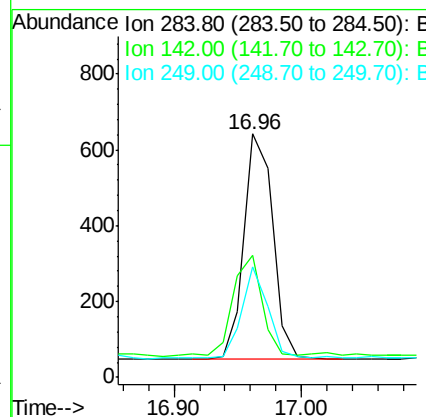
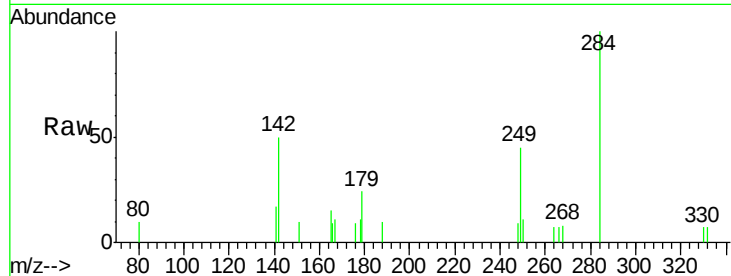
#21  
Hexachlorobenzene  
Concen: 0.374 ng  
RT: 16.96 min Scan# 1451  
Delta R.T. -0.01 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 44.3  | 22.1  | 33.1# |
| 249     | 36.5  | 34.8  | 52.2  |

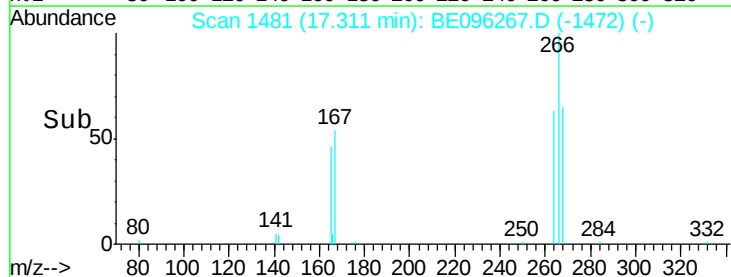
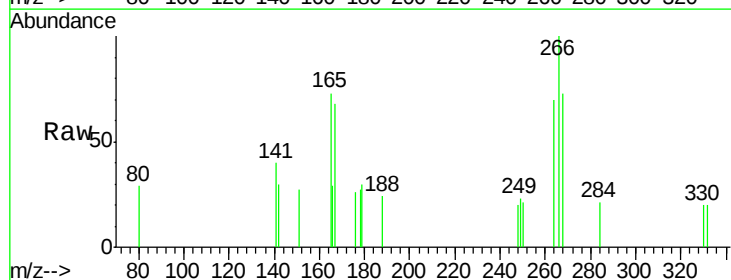
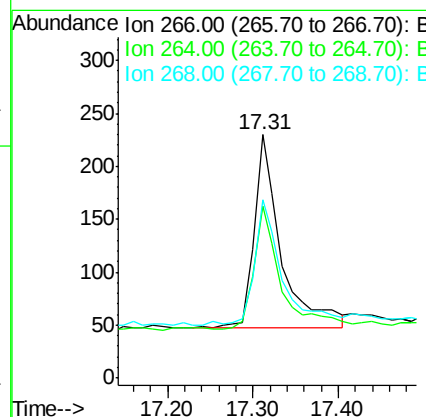
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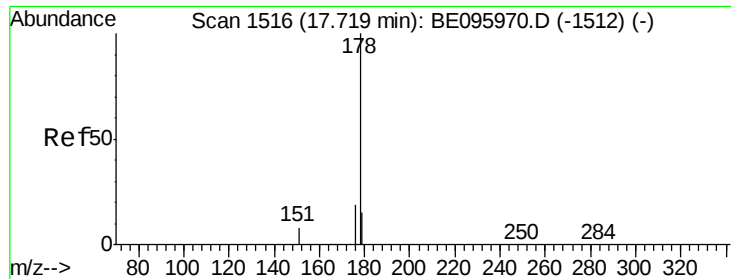
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#22  
Pentachlorophenol  
Concen: 0.489 ng  
RT: 17.31 min Scan# 1481  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 266     | 100   |       |        |
| 264     | 70.4  | 72.5  | 108.7# |
| 268     | 73.5  | 73.8  | 110.6# |





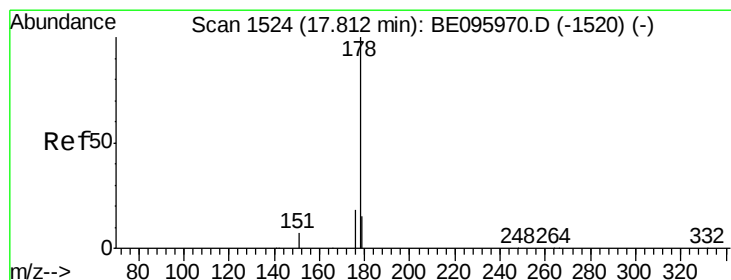
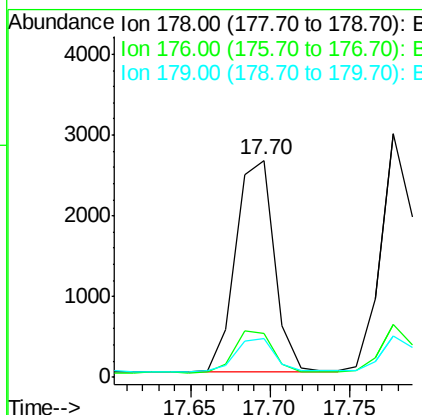
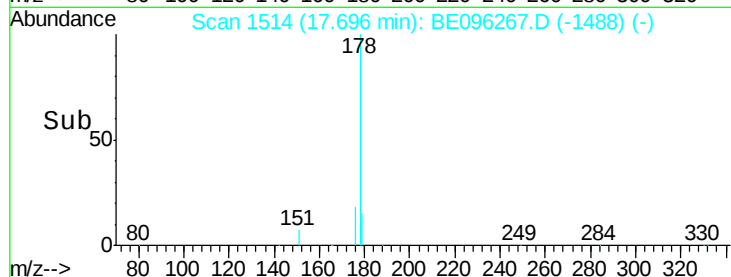
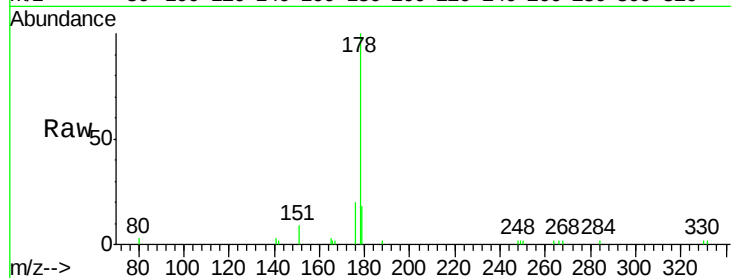
#23  
Phenanthrene  
Concen: 0.367 ng  
RT: 17.70 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.1  | 22.7  |
| 179     | 15.2  | 11.8  | 17.6  |

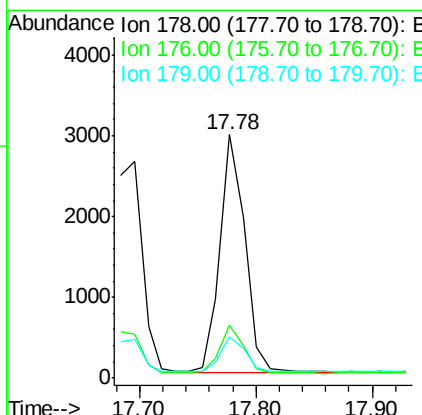
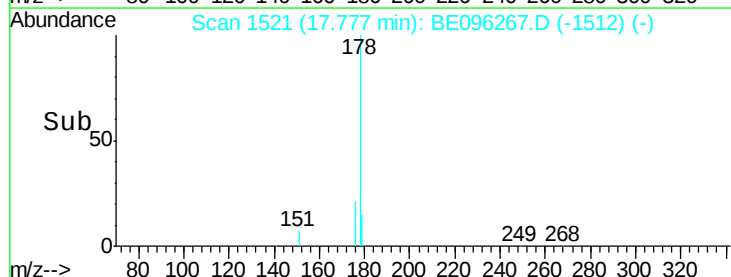
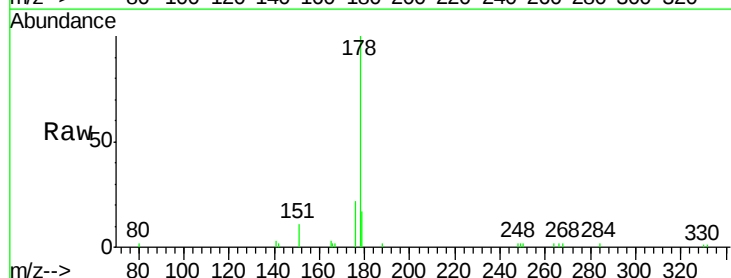
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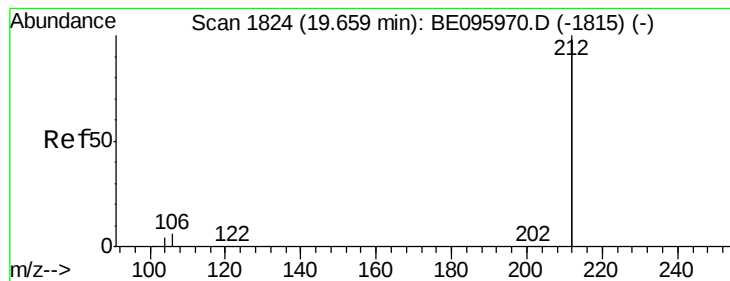
Sohil  
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#24  
Anthracene  
Concen: 0.381 ng  
RT: 17.78 min Scan# 1521  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 12.8  | 19.2# |
| 179     | 14.9  | 13.0  | 19.6  |





#25

Fluoranthene-d10

Concen: 0.354 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

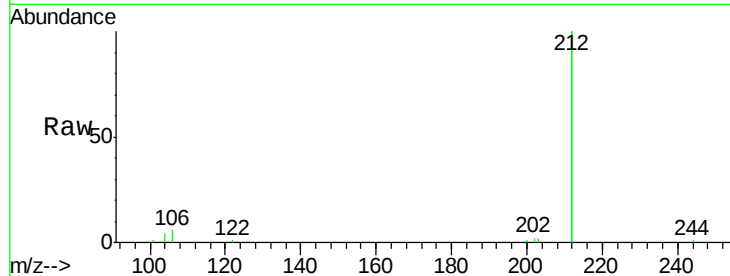
ClientSampleId :

SSTDCCC0.4EC

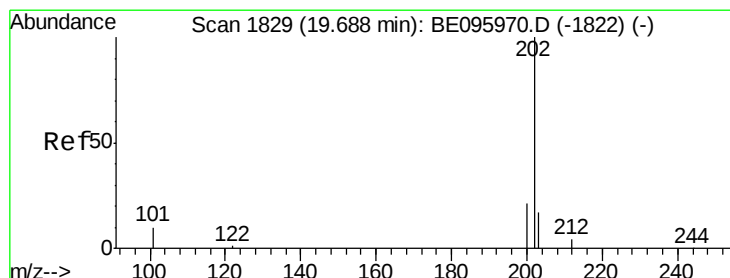
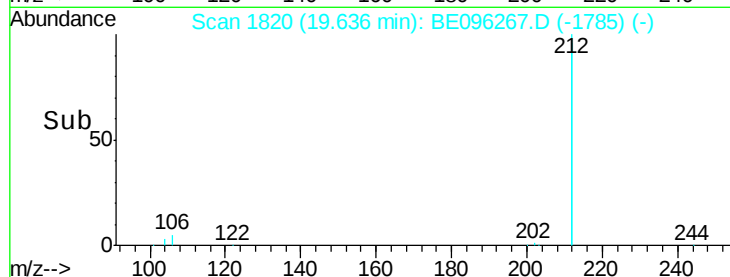
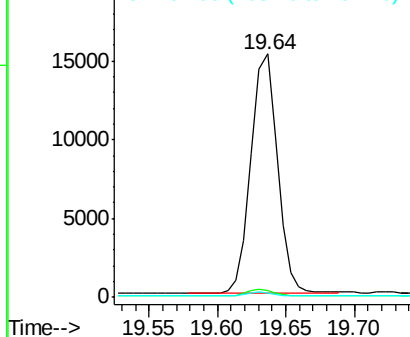
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 20287 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.9   | 2.8   | 4.2   |
| 104       | 1.7   | 1.6   | 2.4   |

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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: 0.352 ng

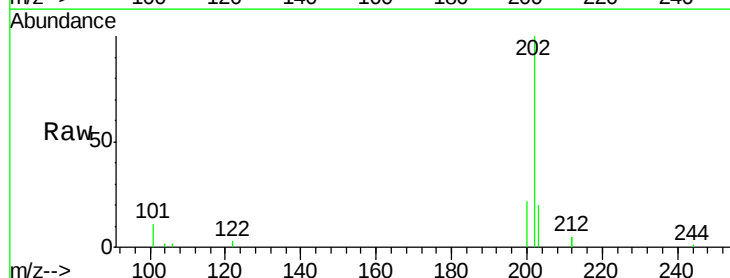
RT: 19.67 min Scan# 1825

Delta R.T. 0.00 min

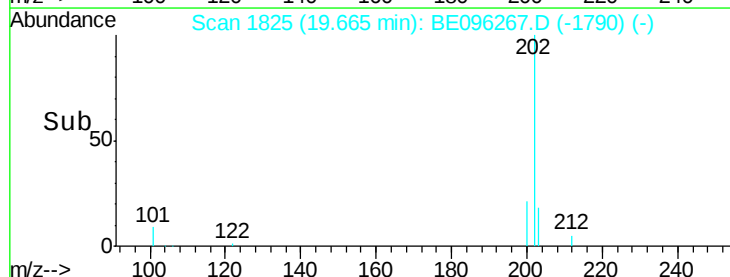
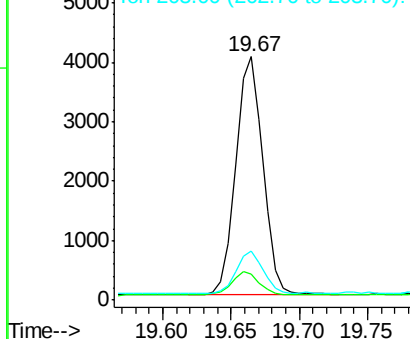
Lab File: BE096267.D

Acq: 1 May 2018 21:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 5492 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 9.9   | 9.8   | 14.8 |
| 203       | 17.7  | 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: 21.74 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 240 Resp: 4076

Ion Ratio Lower Upper

240 100

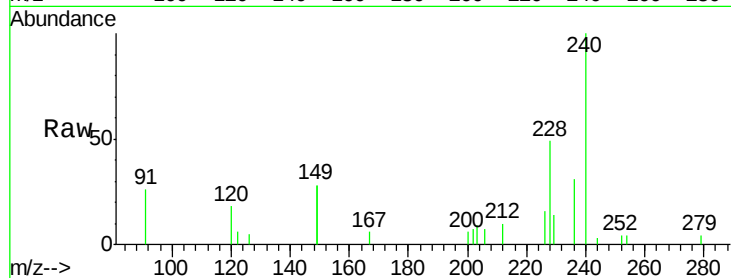
120 17.5 5.5 8.3#

236 31.3 20.7 31.1#

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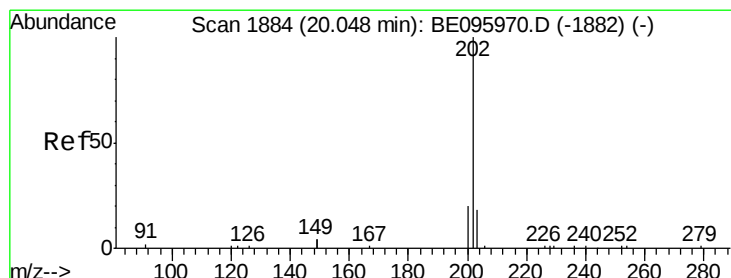
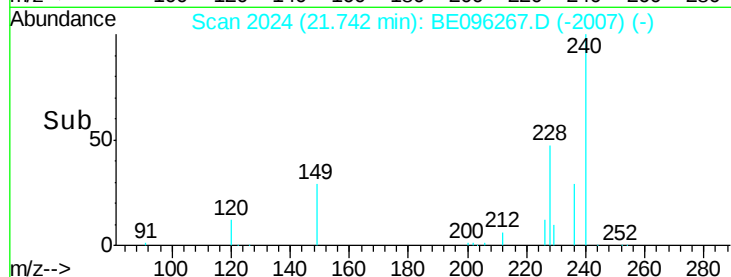
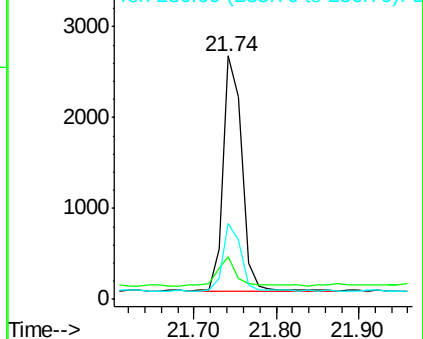
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.042 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

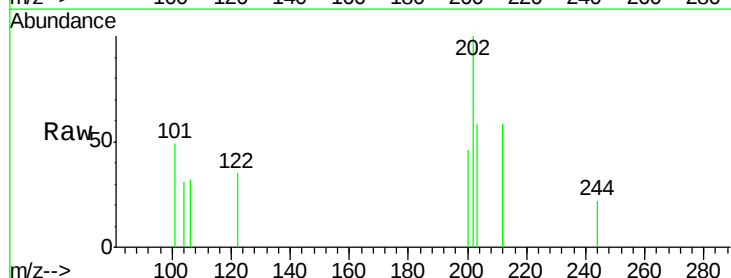
Tgt Ion: 202 Resp: 341

Ion Ratio Lower Upper

202 100

200 29.3 16.6 25.0#

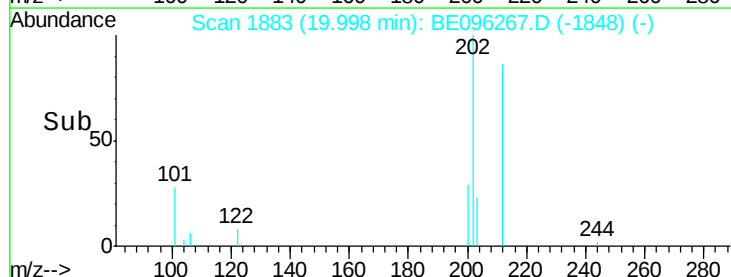
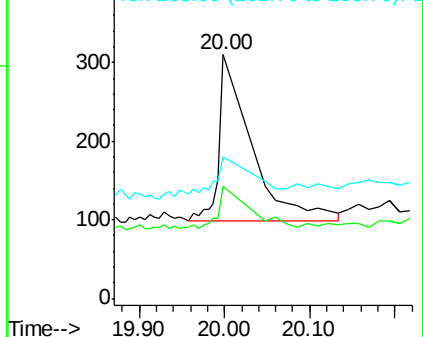
203 27.9 13.8 20.8#



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: 0.405 ng

RT: 20.19 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

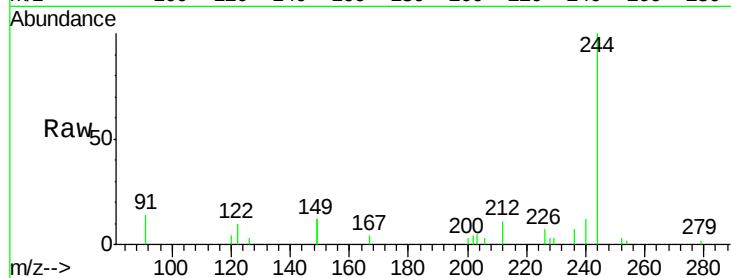
ClientSampleId :

SSTDCCC0.4EC

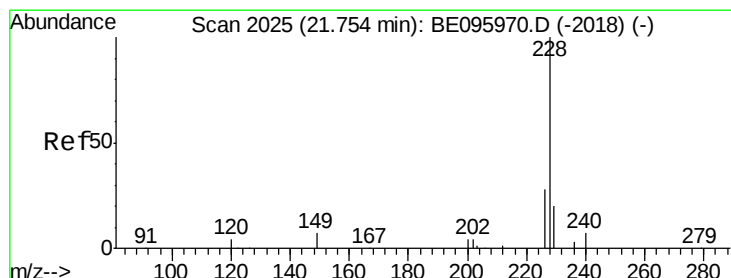
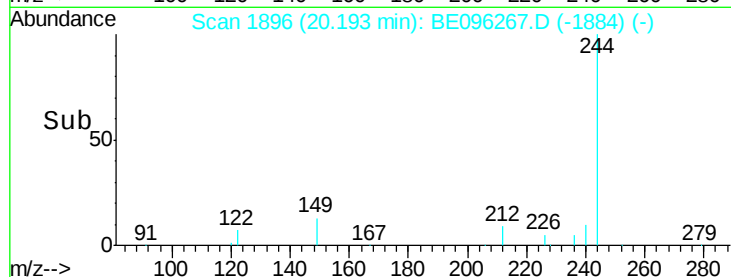
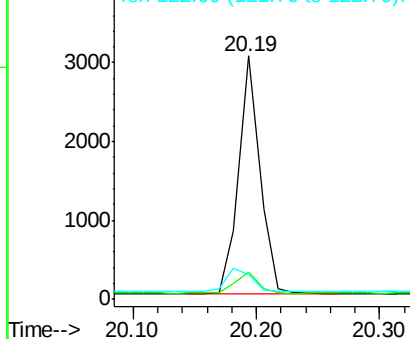
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 3644  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 11.4  | 25.4  | 38.0# |
| 122       | 9.9   | 8.1   | 12.1  |

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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: 0.381 ng

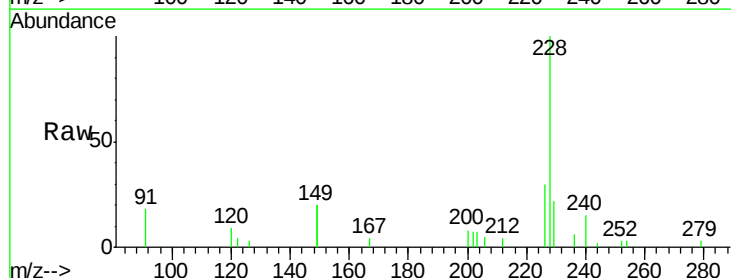
RT: 21.73 min Scan# 2023

Delta R.T. 0.00 min

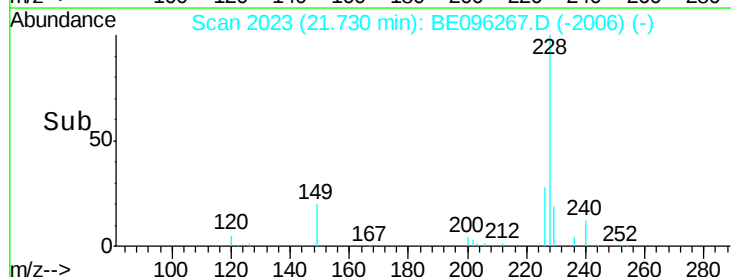
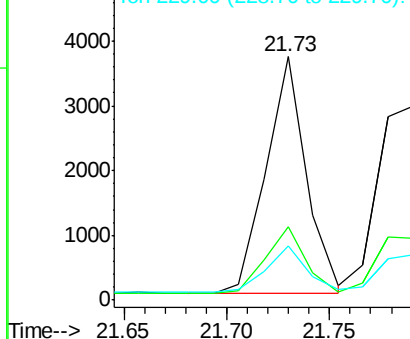
Lab File: BE096267.D

Acq: 1 May 2018 21:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 4986 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 29.9  | 24.0  | 36.0 |
| 229       | 22.4  | 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: 0.385 ng

RT: 21.79 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

Instrument :

BNA\_E

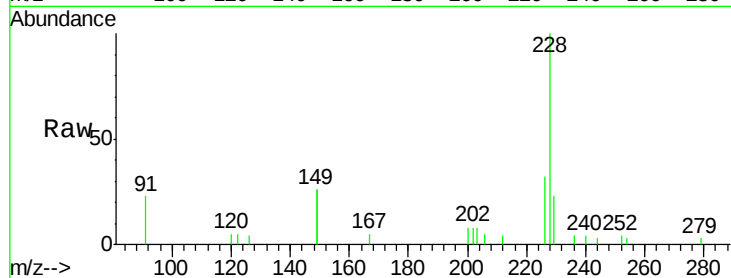
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 4856 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.2  | 24.0  | 36.0 |
| 229       | 23.1  | 16.0  | 24.0 |

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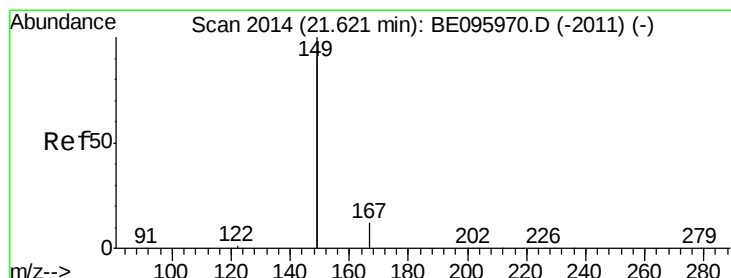
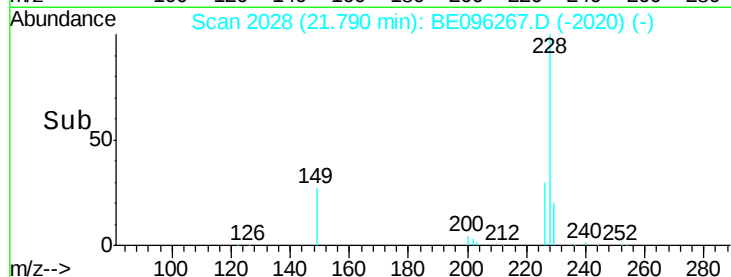
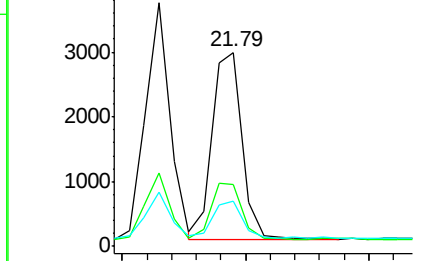
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.460 ng

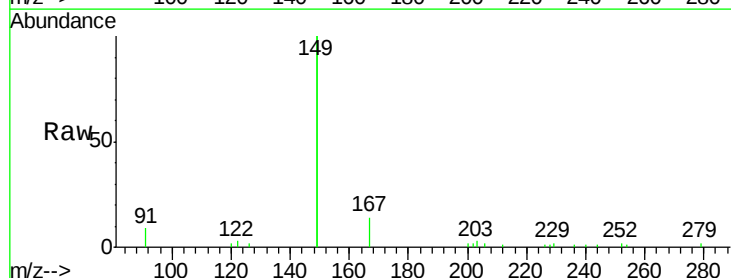
RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096267.D

Acq: 1 May 2018 21:06

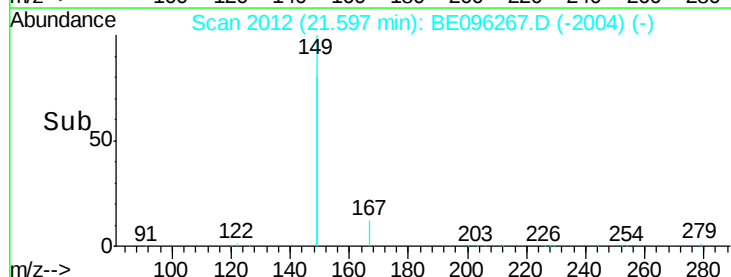
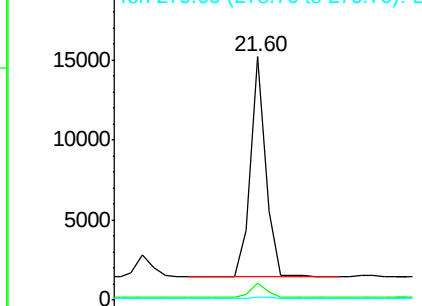
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 15526 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 6.6   | 5.4   | 8.0   |
| 279       | 0.8   | 0.7   | 1.1   |



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





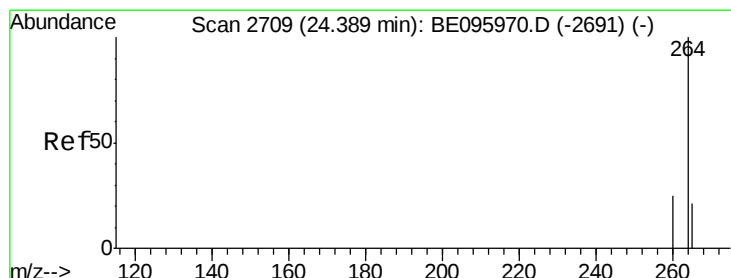
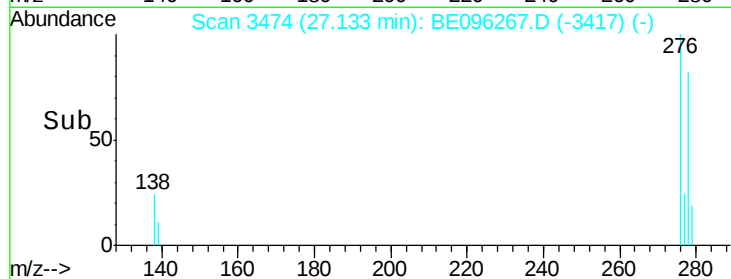
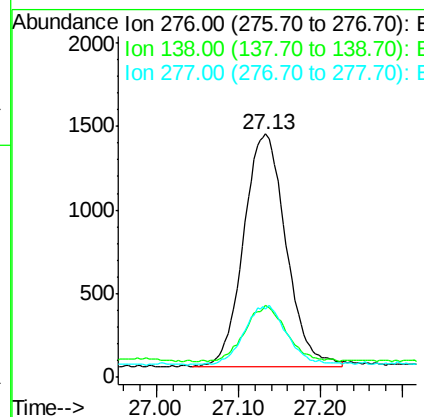
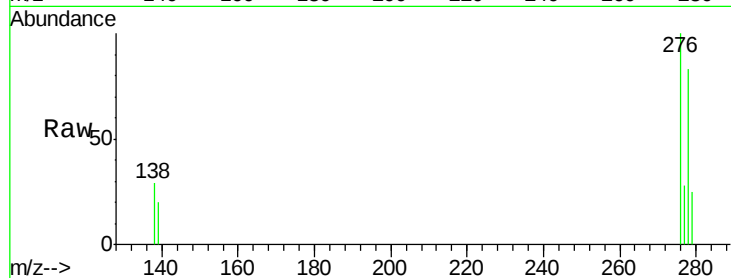
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.407 ng  
 RT: 27.13 min Scan# 3474  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.6  | 22.5  | 33.7  |
| 277     | 24.9  | 19.9  | 29.9  |

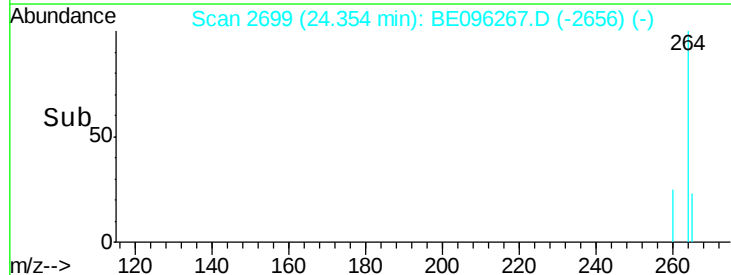
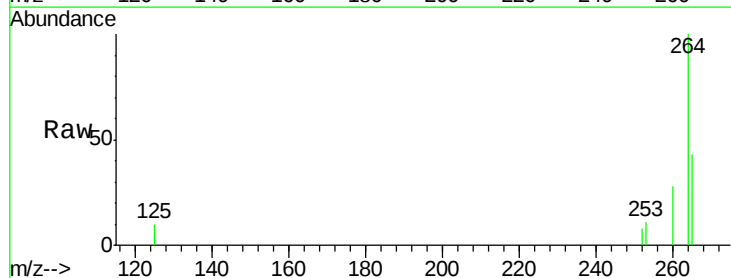
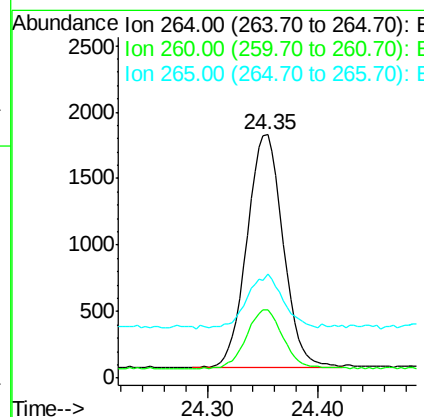
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.35 min Scan# 2699  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 28.0  | 20.5  | 30.7  |
| 265     | 42.7  | 22.8  | 34.2  |





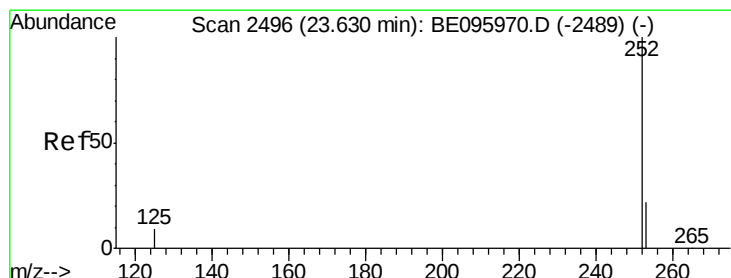
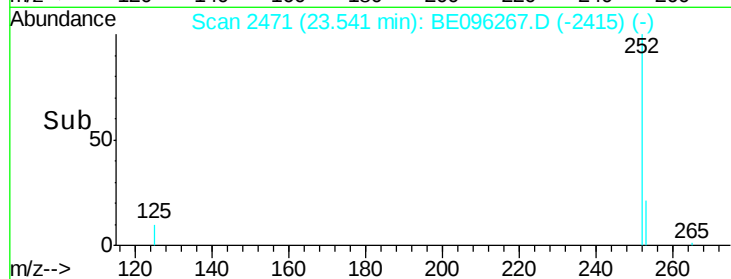
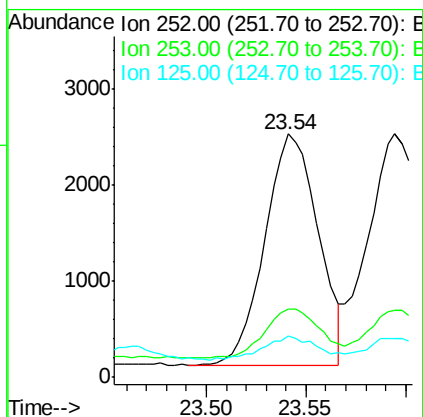
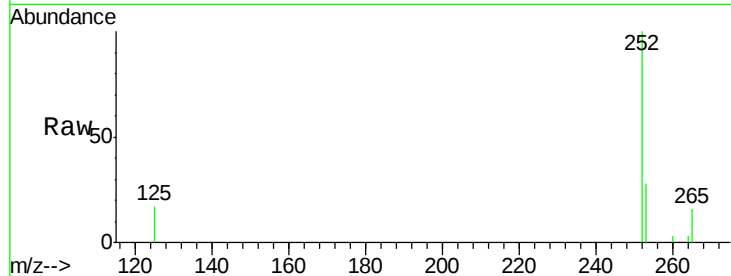
#35  
Benzo(b)fluoranthene  
Concen: 0.376 ng  
RT: 23.54 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.8  | 20.0  | 30.0  |
| 125     | 16.9  | 16.0  | 24.0  |

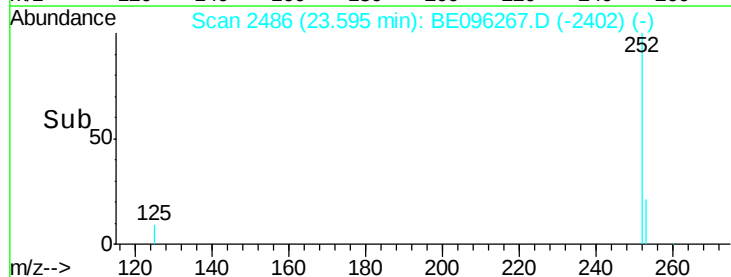
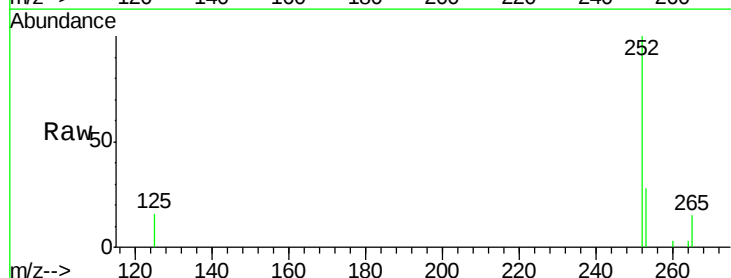
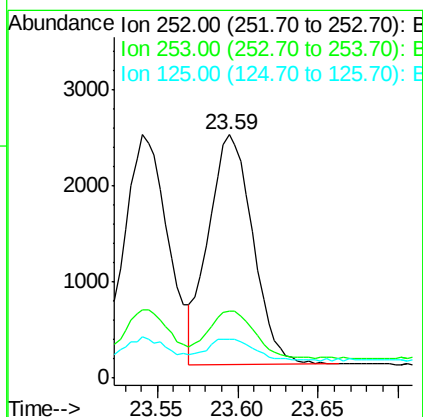
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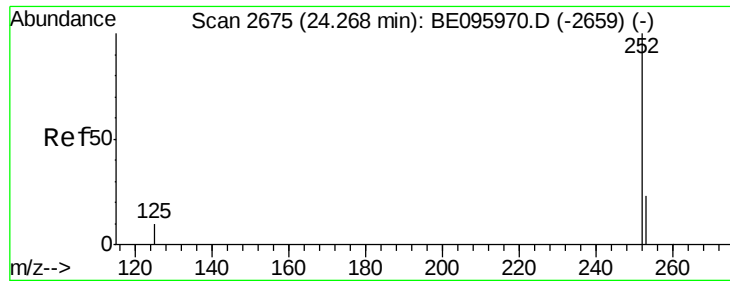
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#36  
Benzo(k)fluoranthene  
Concen: 0.374 ng  
RT: 23.59 min Scan# 2486  
Delta R.T. -0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.7  | 16.0  | 24.0# |
| 125     | 16.1  | 8.0   | 12.0# |





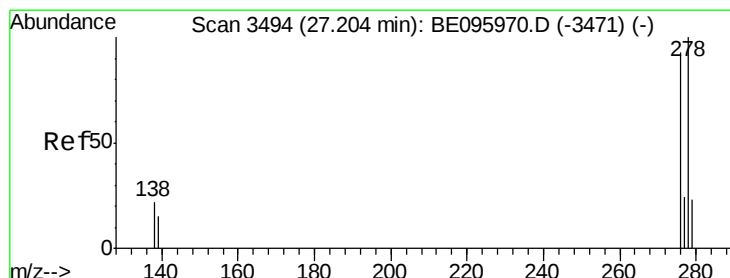
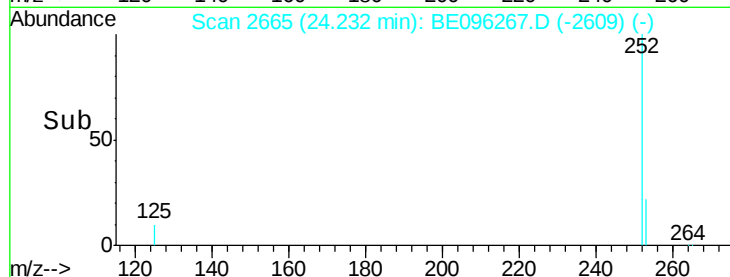
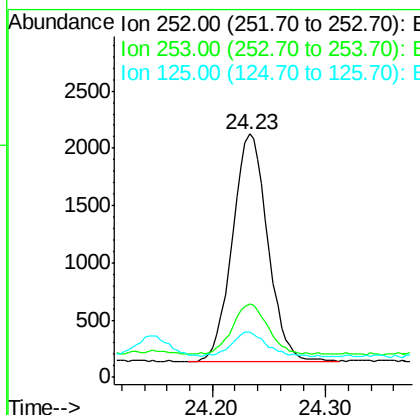
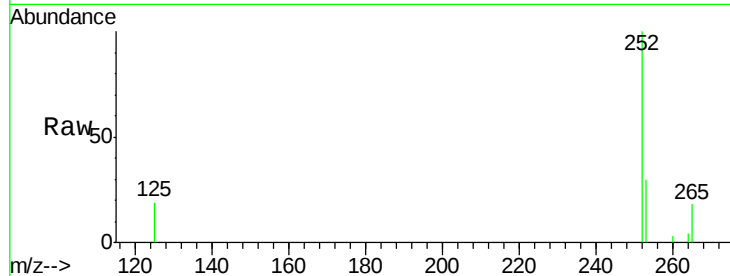
#37  
Benzo(a)pyrene  
Concen: 0.378 ng  
RT: 24.23 min Scan# 2665  
Delta R.T. -0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.9  | 16.0  | 24.0# |
| 125     | 18.6  | 12.0  | 18.0# |

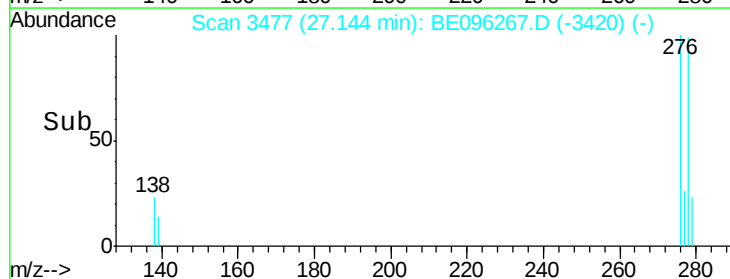
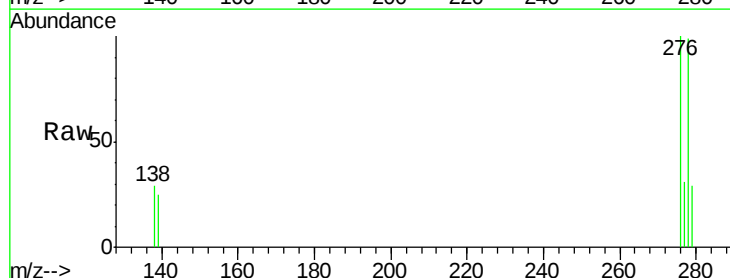
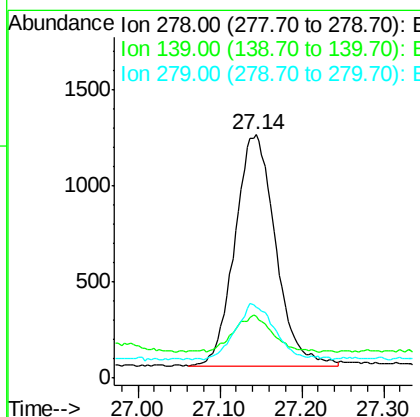
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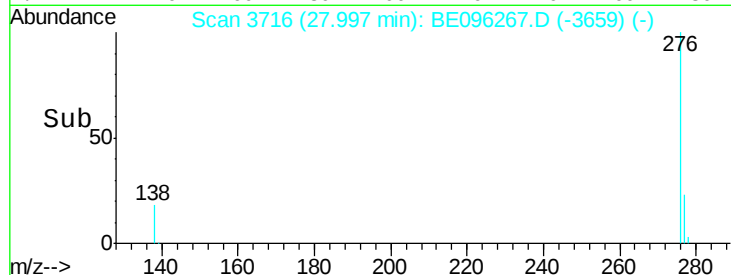
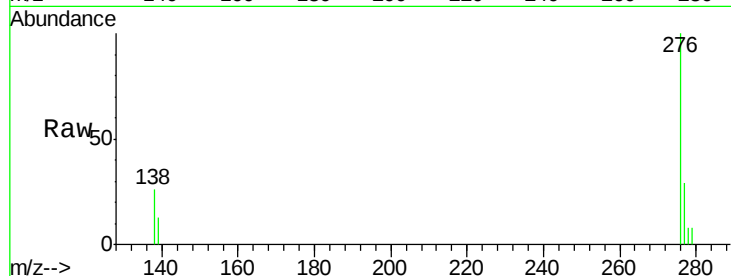
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.413 ng  
RT: 27.14 min Scan# 3477  
Delta R.T. 0.00 min  
Lab File: BE096267.D  
Acq: 1 May 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.3  | 16.0  | 24.0# |
| 279     | 29.2  | 20.0  | 30.0  |





#39  
 Benzo(g,h,i)perylene  
 Concen: 0.392 ng  
 RT: 28.00 min Scan# 3716  
 Delta R.T. 0.00 min  
 Lab File: BE096267.D  
 Acq: 1 May 2018 21:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 28.6  | 16.0  | 24.0  |
| 138     | 25.8  | 20.0  | 30.0  |

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