

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070219\  
 Data File : BE100321.D  
 Acq On : 3 Jul 2019 2:31  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

mohammad  
 7/3/2019 10:49:45 PM

Quant Time: Jul 03 04:17:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 800      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 2841     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2076     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 5788     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 21.24 | 240  | 7093     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.68 | 264  | 8296     | 0.40 | ng    | 0.01     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.22  | 112 | 878   | 0.43 | ng | 0.01  |
| 5) Phenol-d6                | 6.84  | 99  | 1247  | 0.46 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 1211  | 0.43 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 2197  | 0.41 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 640   | 0.44 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 3487  | 0.43 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 32947 | 0.39 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 6948  | 0.47 | ng | 0.00  |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.11  | 88  | 360   | 0.290 | ng | # 83   |
| 3) n-Nitrosodimethylamine      | 3.46  | 42  | 225   | 0.389 | ng | # 88   |
| 6) bis(2-Chloroethyl)ether     | 7.08  | 93  | 879   | 0.399 | ng | # 67   |
| 9) Naphthalene                 | 10.48 | 128 | 13161 | 0.420 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 1340  | 0.444 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 2182  | 0.397 | ng | 97     |
| 16) Acenaphthylene             | 14.04 | 152 | 4270  | 0.429 | ng | 98     |
| 17) Acenaphthene               | 14.38 | 154 | 2399  | 0.425 | ng | 99     |
| 18) Fluorene                   | 15.35 | 166 | 3416  | 0.409 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 1610  | 0.436 | ng | # 81   |
| 21) Hexachlorobenzene          | 16.37 | 284 | 1685  | 0.439 | ng | 98     |
| 22) Pentachlorophenol          | 16.73 | 266 | 506   | 0.438 | ng | 96     |
| 23) Phenanthrene               | 17.11 | 178 | 5814  | 0.414 | ng | 99     |
| 24) Anthracene                 | 17.20 | 178 | 5621  | 0.445 | ng | 99     |
| 26) Fluoranthene               | 19.13 | 202 | 8795  | 0.394 | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 9054  | 0.482 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 9931  | 0.426 | ng | 98     |
| 31) Chrysene                   | 21.28 | 228 | 10036 | 0.429 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 15877 | 0.424 | ng | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.24 | 276 | 12354 | 0.399 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 9859m | 0.438 | ng |        |
| 36) Benzo(k)fluoranthene       | 22.98 | 252 | 10220 | 0.407 | ng | # 96   |
| 37) Benzo(a)pyrene             | 23.57 | 252 | 9742  | 0.432 | ng | # 94   |
| 38) Dibenzo(a,h)anthracene     | 26.26 | 278 | 10046 | 0.427 | ng | 96     |
| 39) Benzo(g,h,i)perylene       | 27.03 | 276 | 9906  | 0.410 | ng | 95     |

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

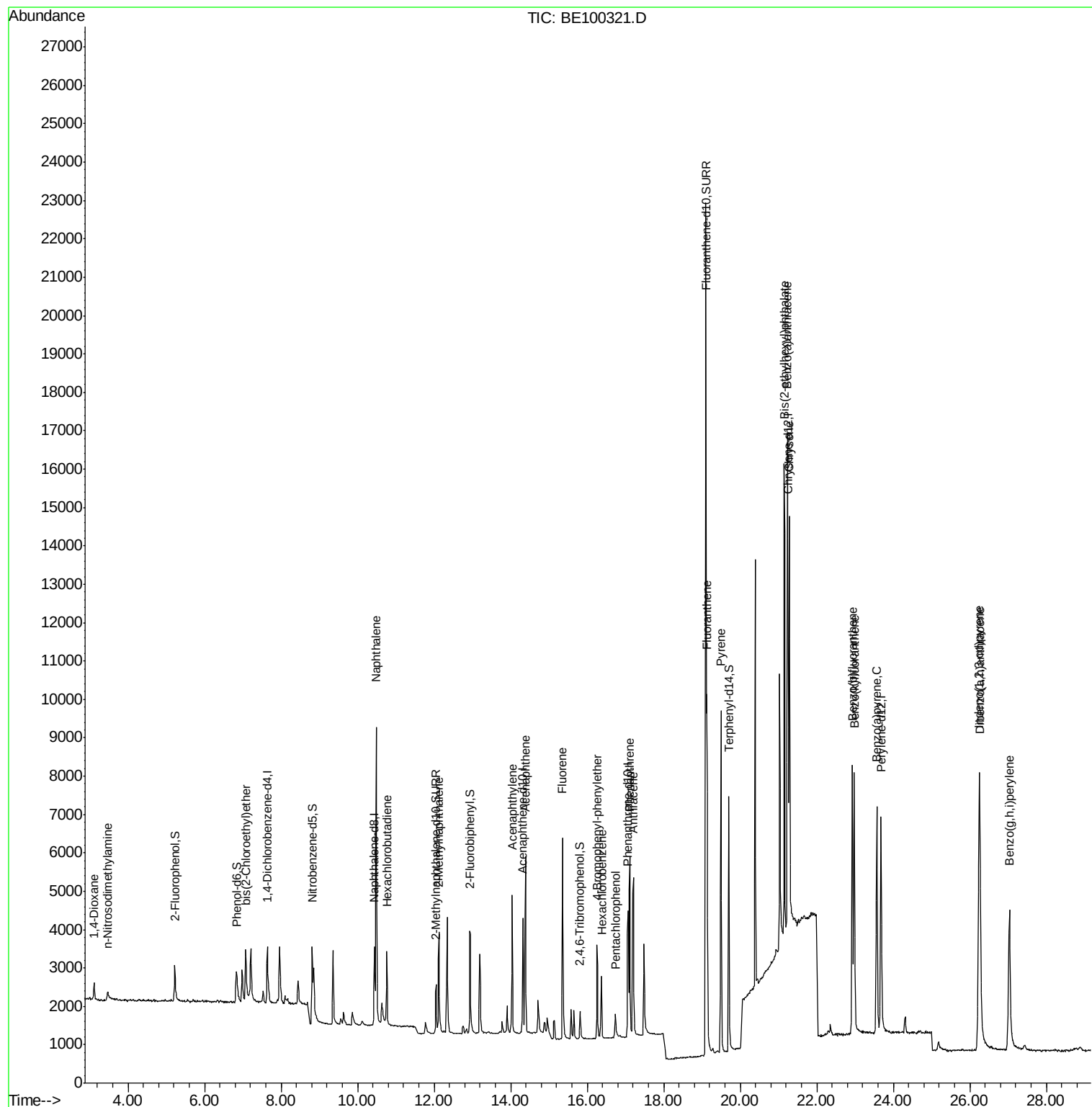
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070219\  
Data File : BE100321.D  
Acq On : 3 Jul 2019 2:31  
Operator : JU/SJ  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

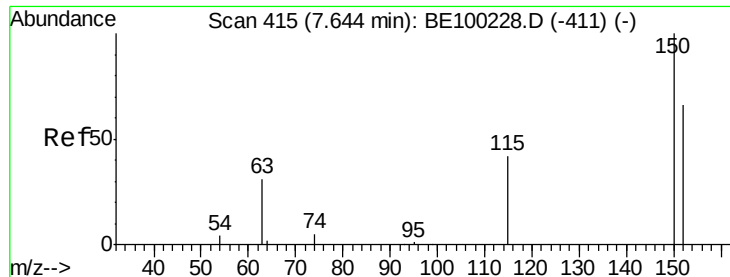
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

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7/3/2019 10:49:45 PM

Quant Time: Jul 03 04:17:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE062819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 14:06:53 2019  
Response via : Initial Calibration

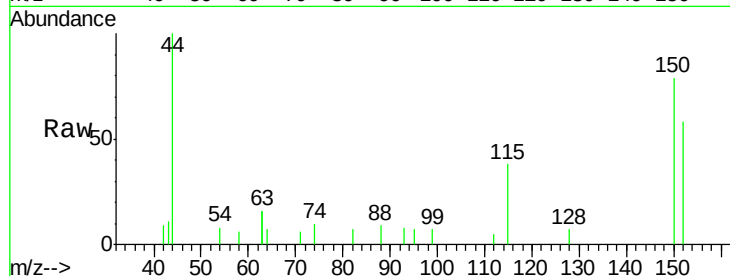




#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.64 min Scan# 415  
Delta R.T. -0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

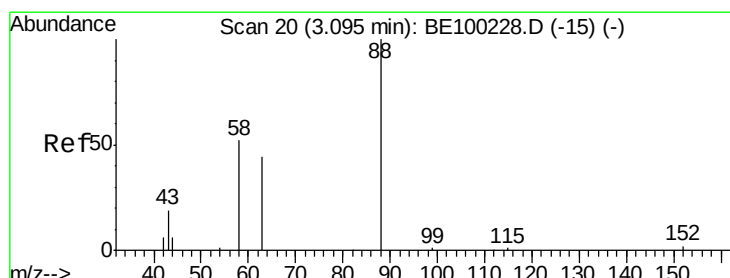
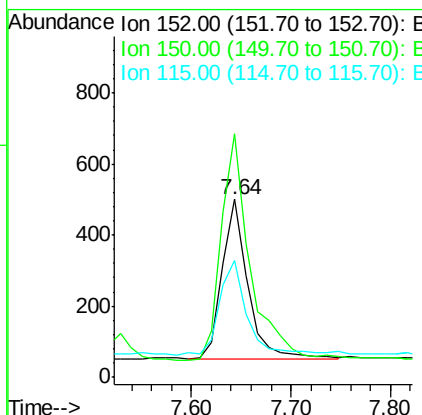
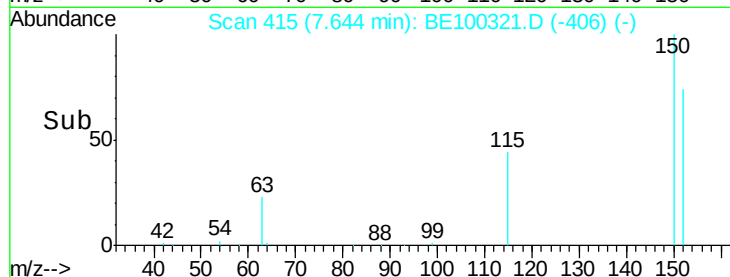
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 137.0 | 114.5 | 171.7 |
| 115     | 65.6  | 57.1  | 85.7  |

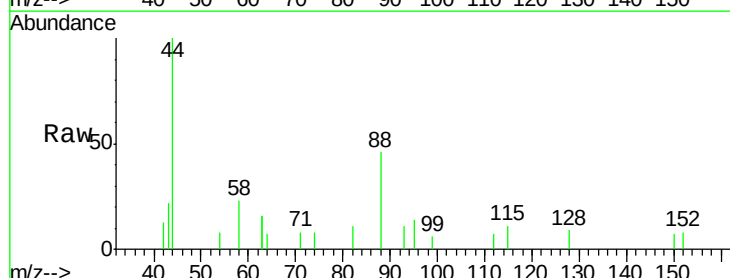
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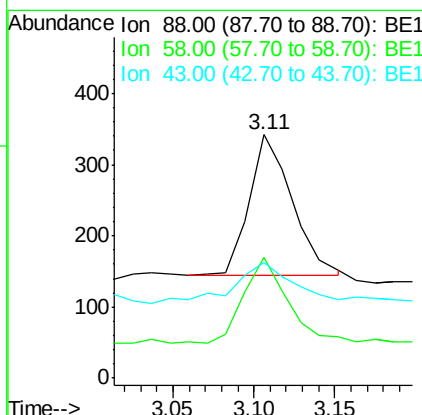
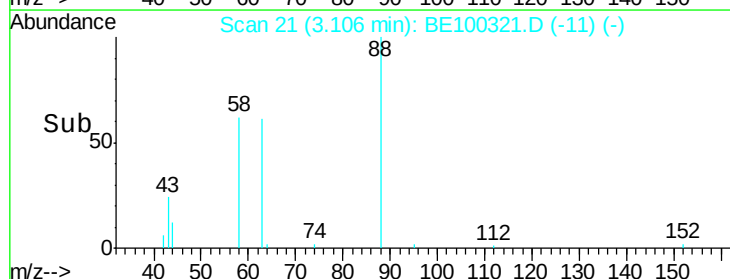


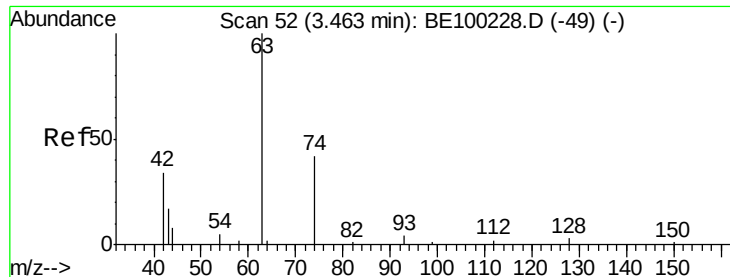
#2

1,4-Dioxane  
Concen: 0.290 ng  
RT: 3.11 min Scan# 21  
Delta R.T. 0.01 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 62.5  | 43.6  | 65.4  |
| 43      | 41.1  | 21.4  | 32.0  |





#3

n-Nitrosodimethylamine

Concen: 0.389 ng

RT: 3.46 min Scan# 52

Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

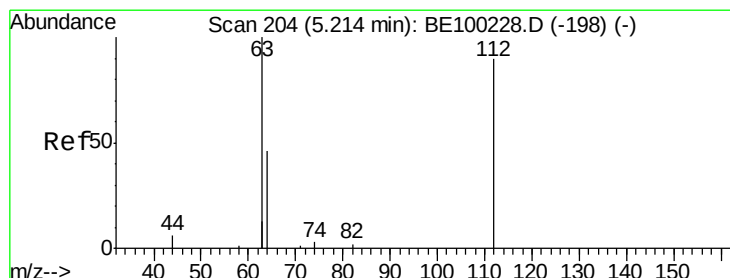
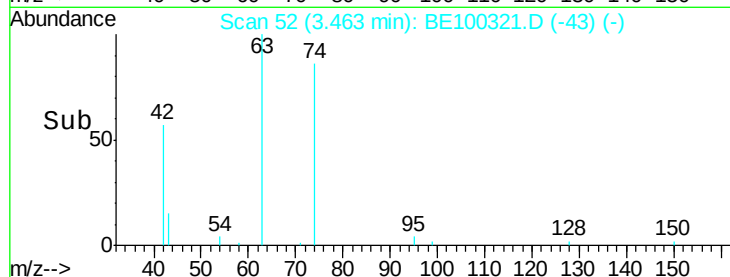
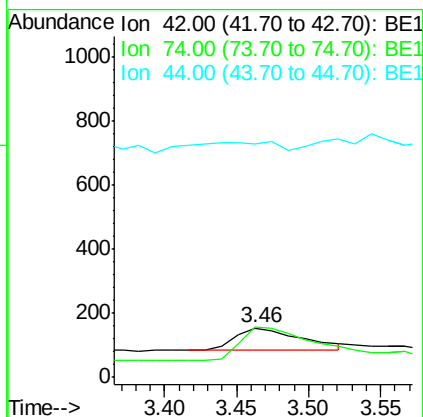
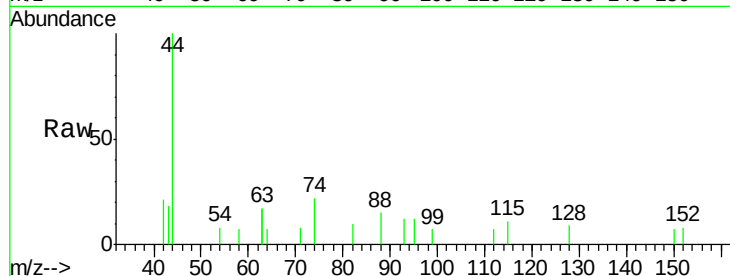
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 225   |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 153.8 | 130.6 | 196.0 |
| 44        | 65.3  | 38.0  | 57.0# |

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#4

2-Fluorophenol

Concen: 0.430 ng

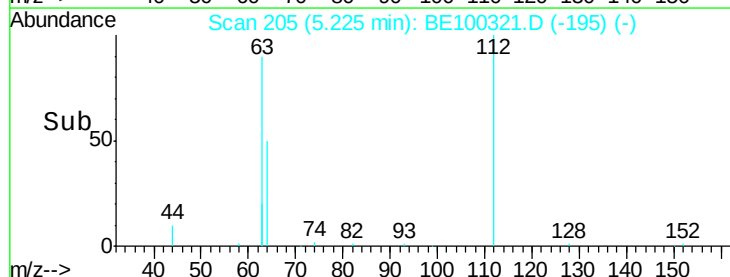
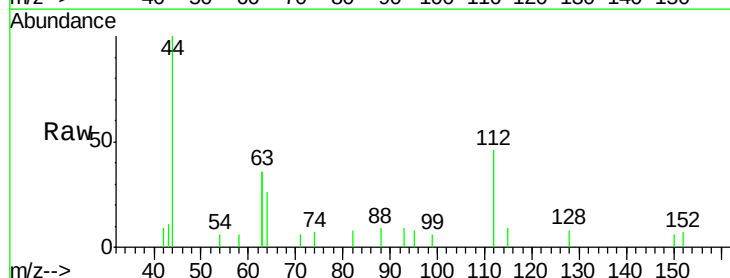
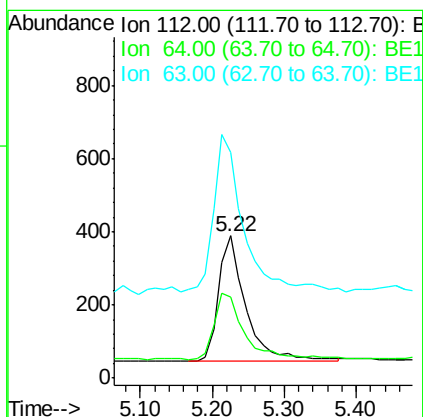
RT: 5.22 min Scan# 205

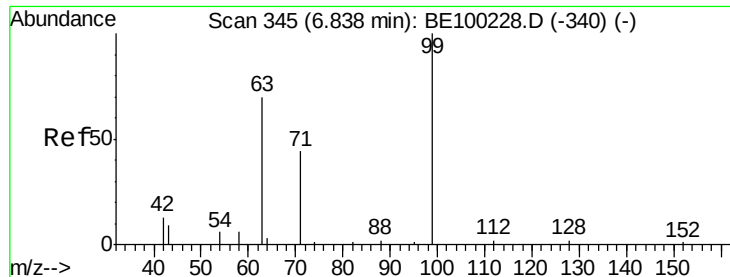
Delta R.T. 0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 878   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 61.6  | 39.4  | 59.0# |
| 63        | 140.0 | 104.5 | 156.7 |





#5

Phenol-d6

Concen: 0.465 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

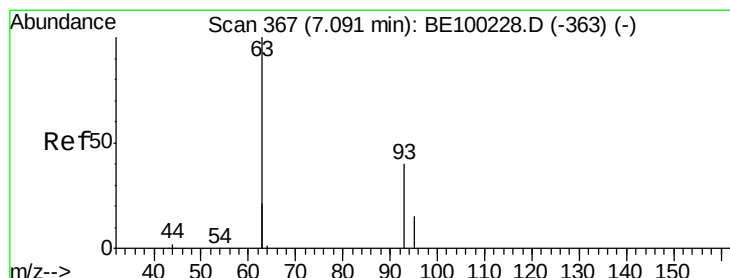
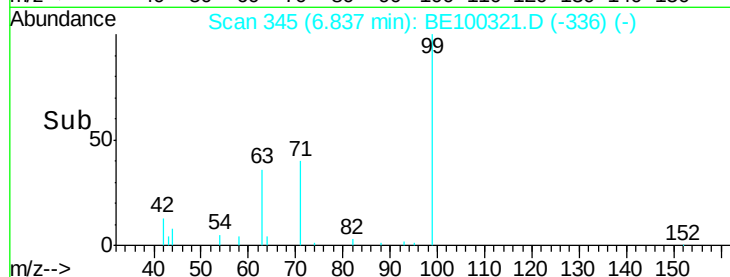
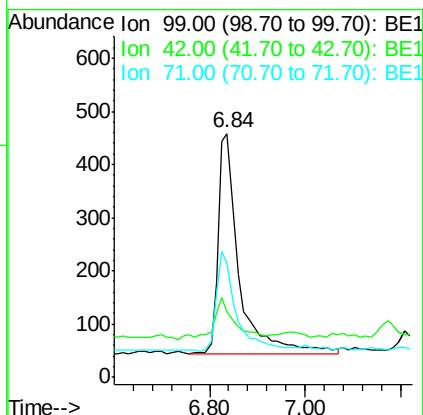
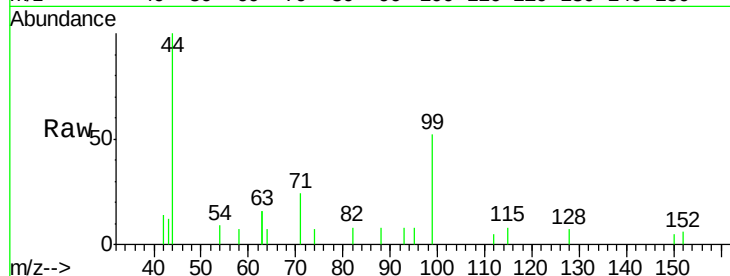
ClientSampleId :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1247  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 16.2  | 11.2  | 16.8  |
| 71       | 44.4  | 37.2  | 55.8  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

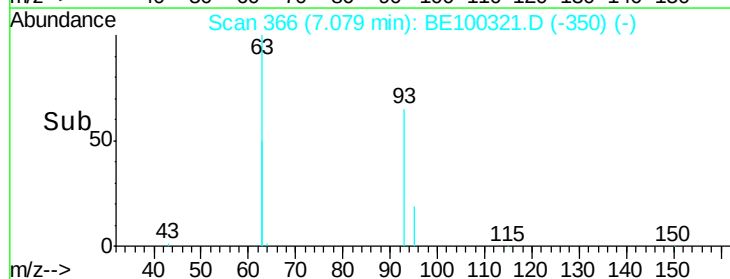
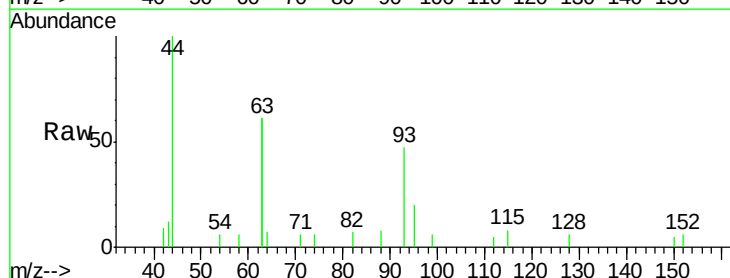
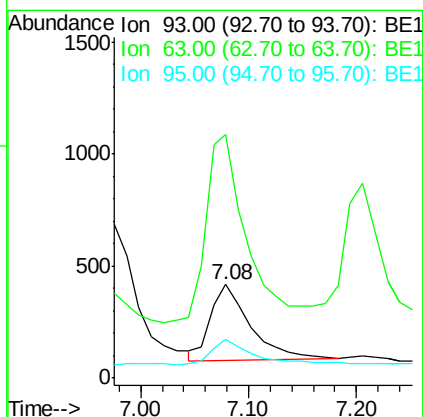
RT: 7.08 min Scan# 366

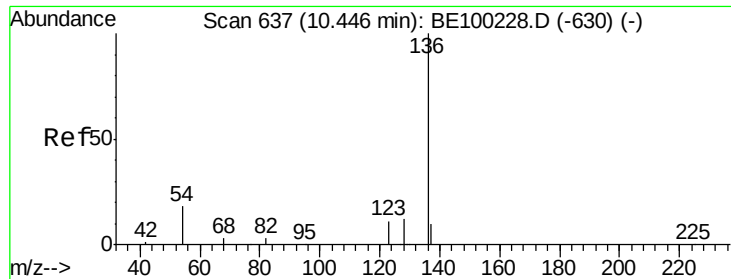
Delta R.T. -0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 879    |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 248.7 | 155.6 | 233.4# |
| 95       | 35.0  | 23.0  | 34.4#  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

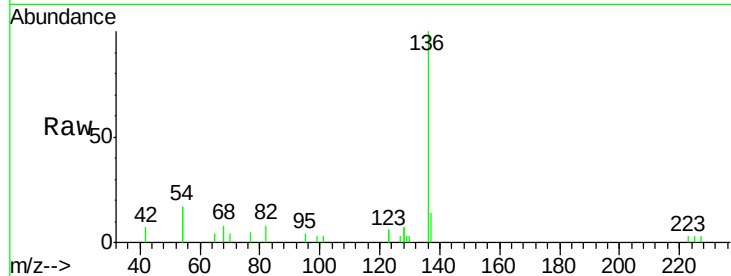
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 13.9  | 11.8  | 17.8  |
| 54      | 33.3  | 27.7  | 41.5  |
| 68      | 8.4   | 6.8   | 10.2  |

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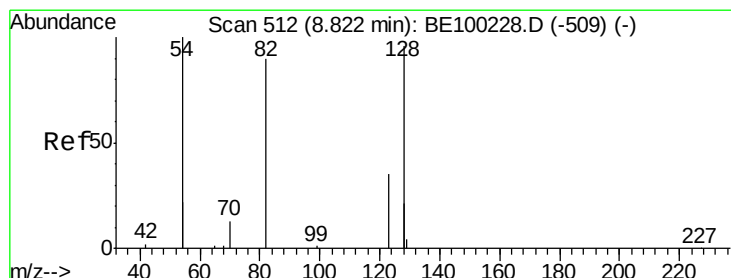
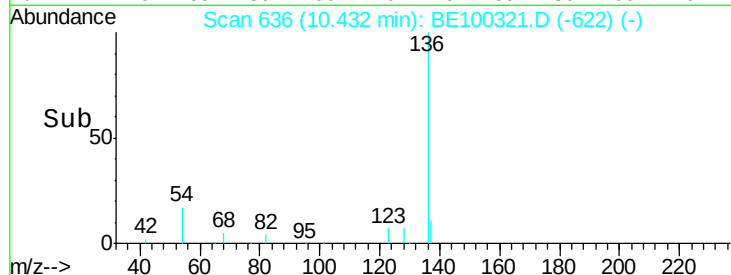
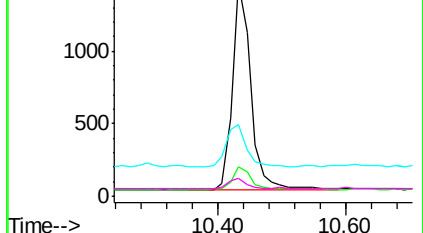


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.429 ng

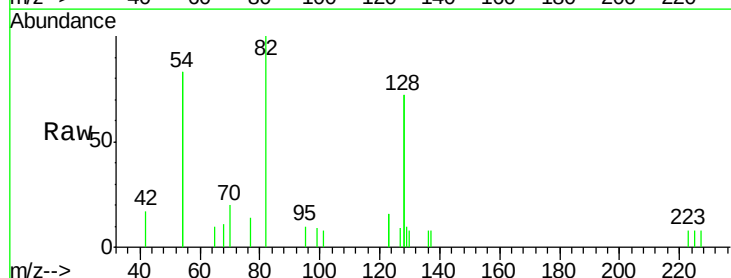
RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

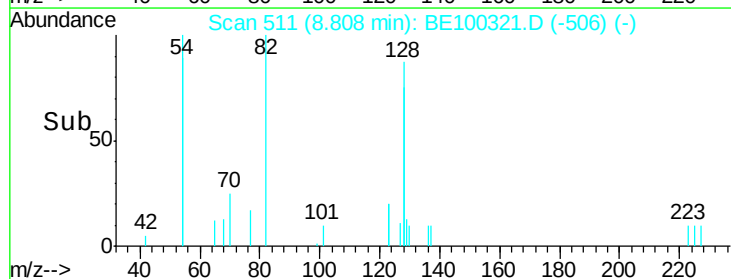
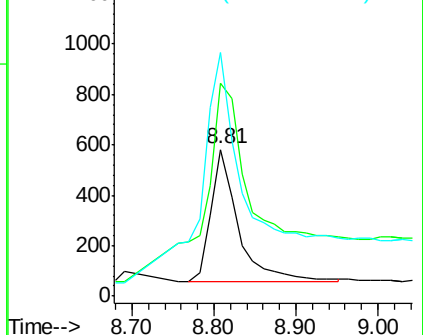
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 144.9 | 140.9 | 211.3 |
| 54      | 166.3 | 146.2 | 219.2 |

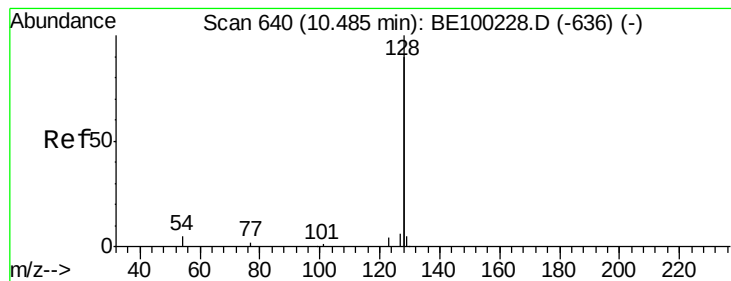


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.420 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

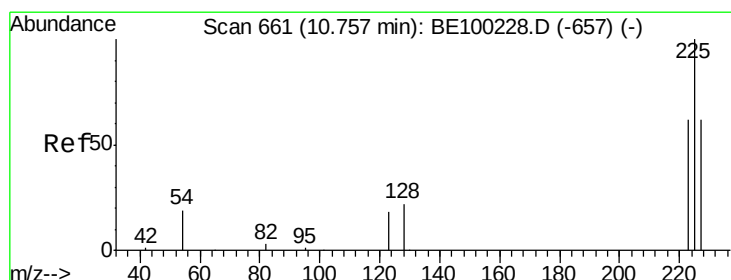
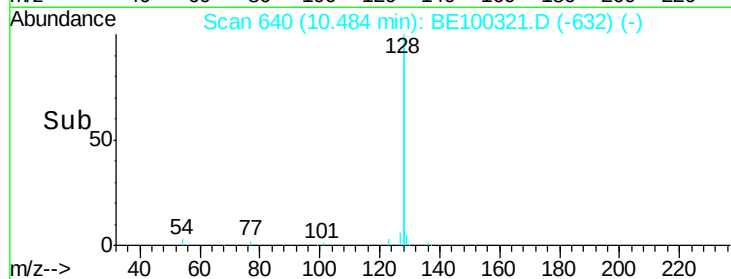
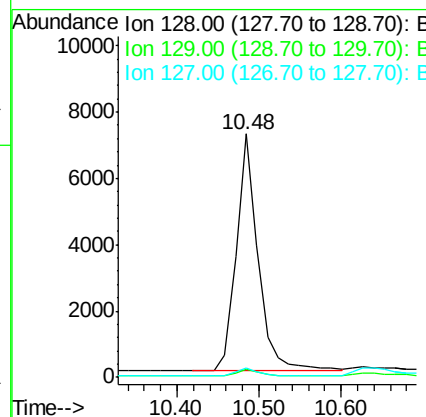
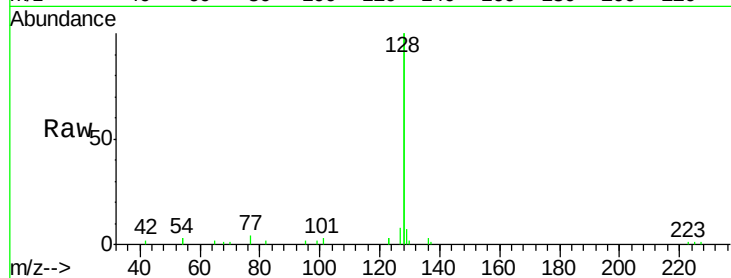
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 3.4   | 3.0   | 4.6   |
| 127     | 3.9   | 3.5   | 5.3   |

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#10

Hexachlorobutadiene

Concen: 0.444 ng

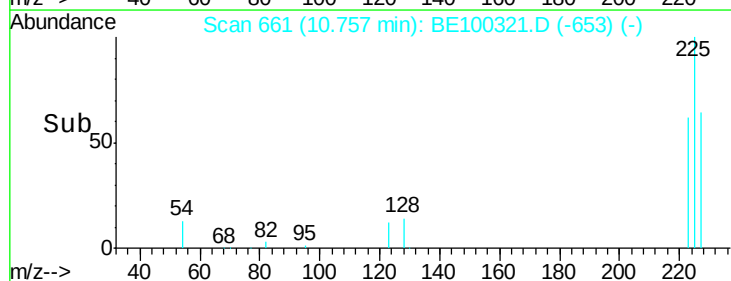
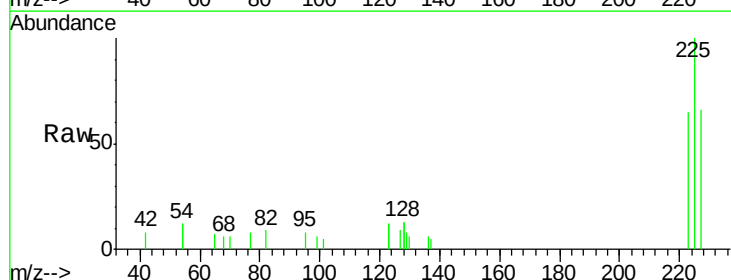
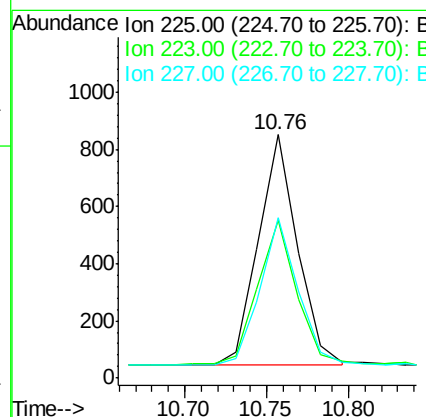
RT: 10.76 min Scan# 661

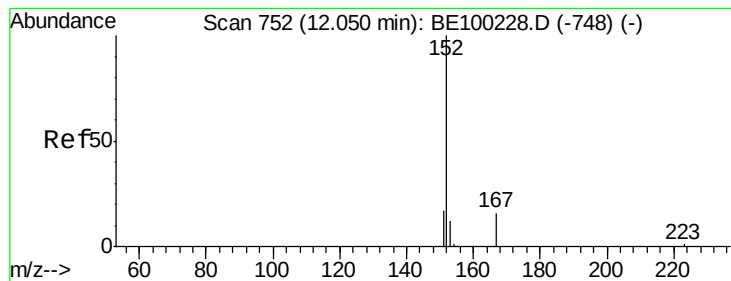
Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 49.1  | 73.7  |
| 227     | 62.9  | 49.3  | 73.9  |





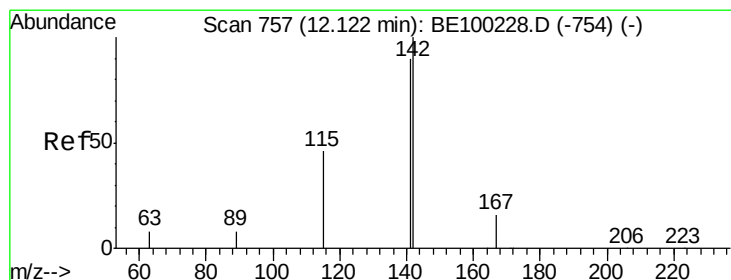
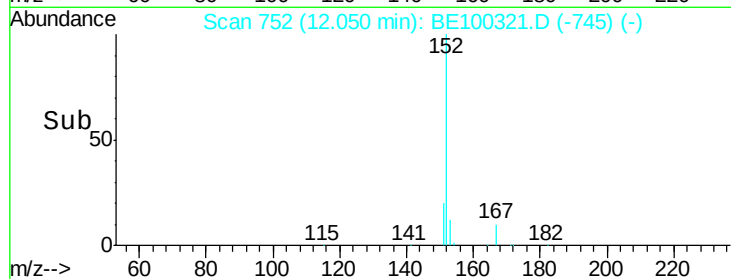
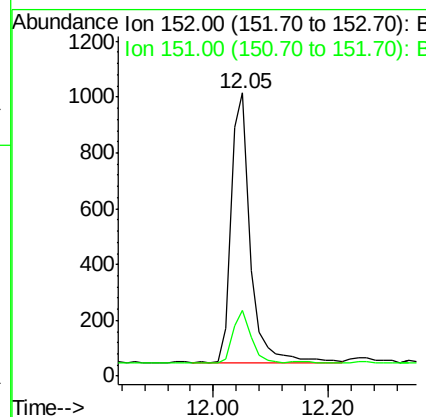
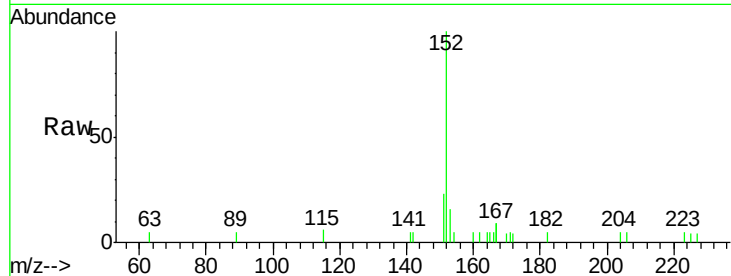
#11  
2-Methylnaphthalene-d10  
Concen: 0.411 ng  
RT: 12.05 min Scan# 752  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.8  | 15.1  | 22.7  |

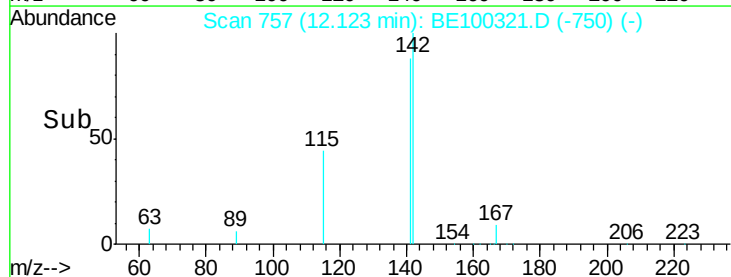
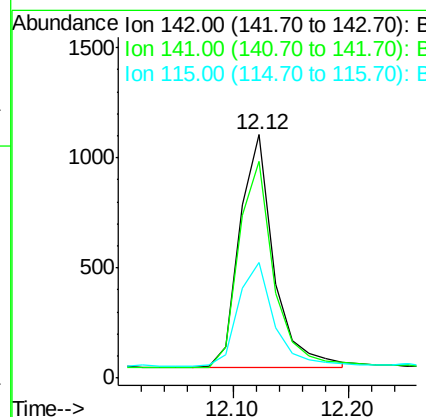
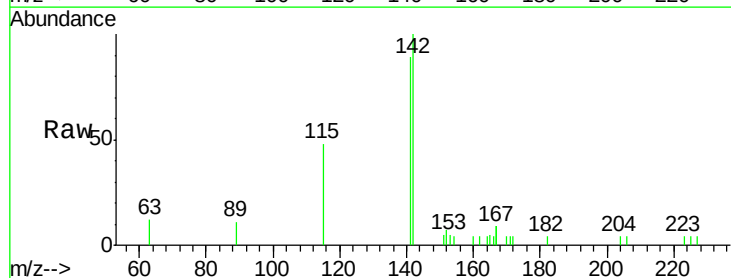
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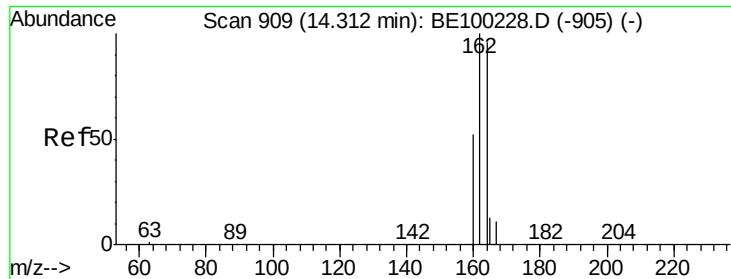


#12  
2-Methylnaphthalene  
Concen: 0.397 ng  
RT: 12.12 min Scan# 757  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.0  | 72.4  | 108.6 |
| 115     | 47.5  | 40.4  | 60.6  |







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

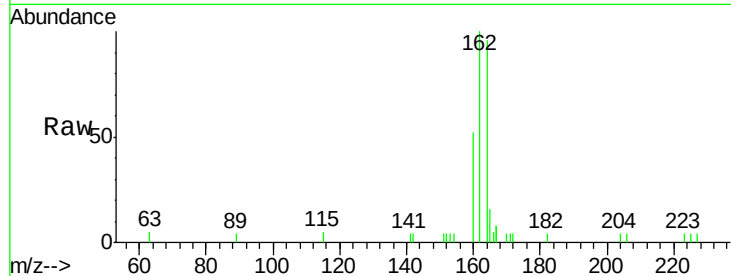
ClientSampleId :

SSTDCCC0.4EC

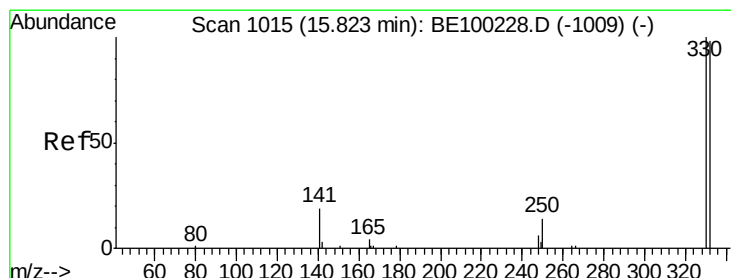
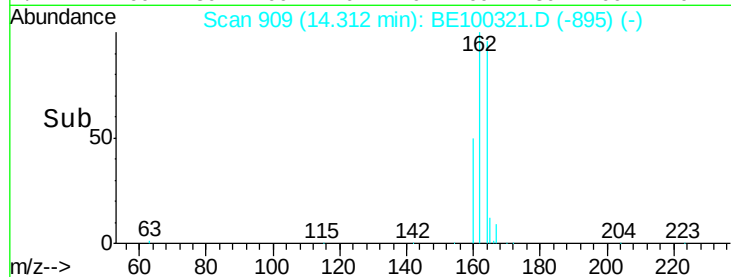
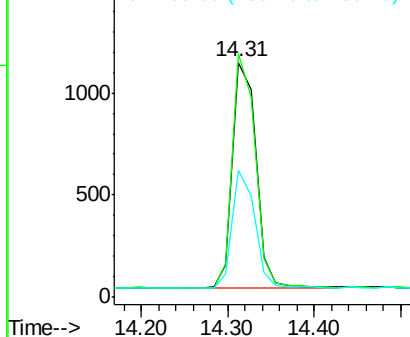
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 2076  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 103.7 | 83.4  | 125.0 |
| 160       | 54.0  | 45.0  | 67.6  |

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



#14

2,4,6-Tribromophenol

Concen: 0.441 ng

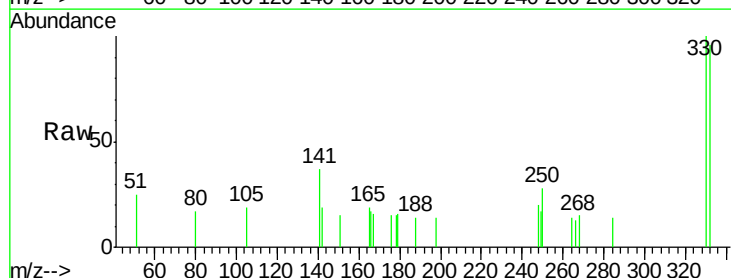
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

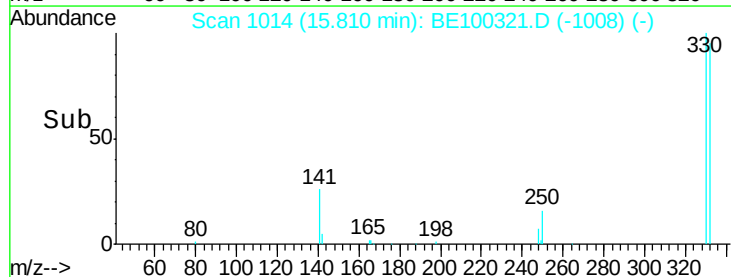
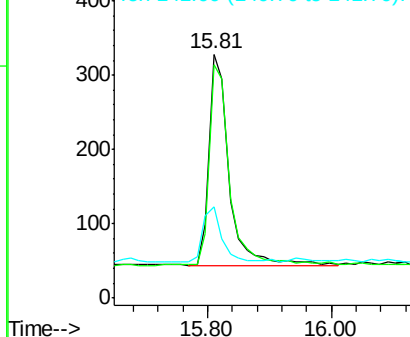
Lab File: BE100321.D

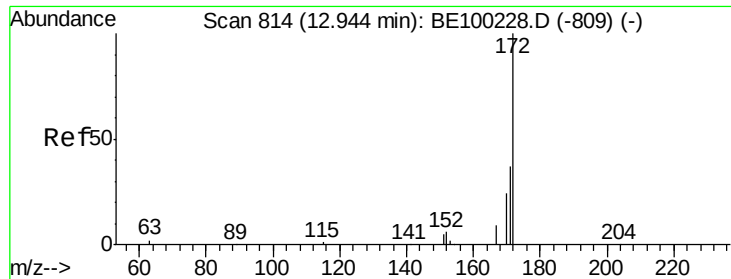
Acq: 3 Jul 2019 2:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 640   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 94.7  | 77.0  | 115.4 |
| 141       | 24.5  | 22.0  | 33.0  |



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





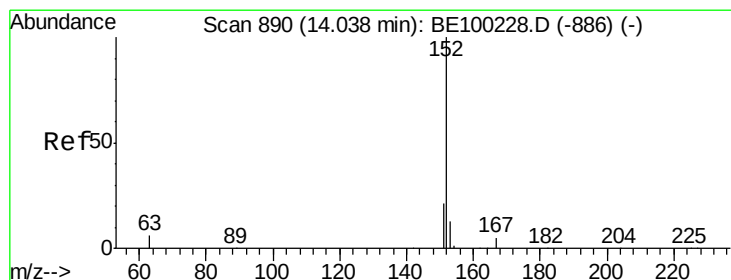
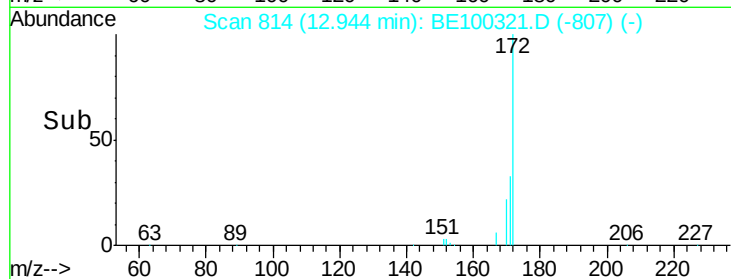
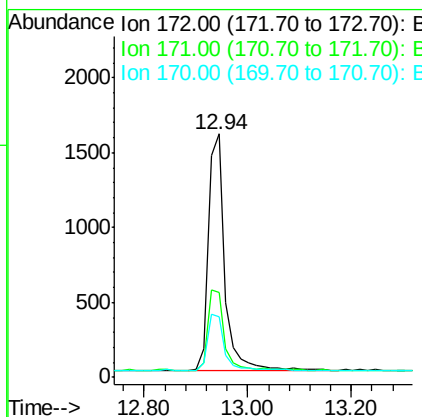
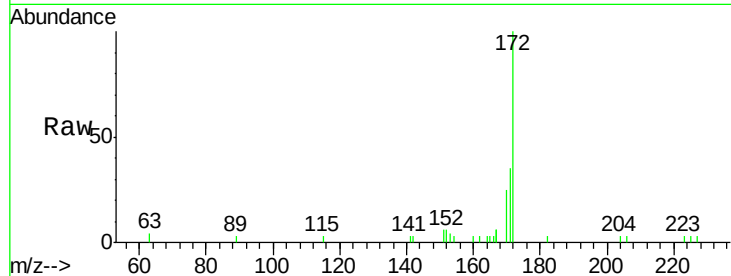
#15  
2-Fluorobiphenyl  
Concen: 0.431 ng  
RT: 12.94 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 31.9  | 47.9  |
| 170     | 24.7  | 22.2  | 33.2  |

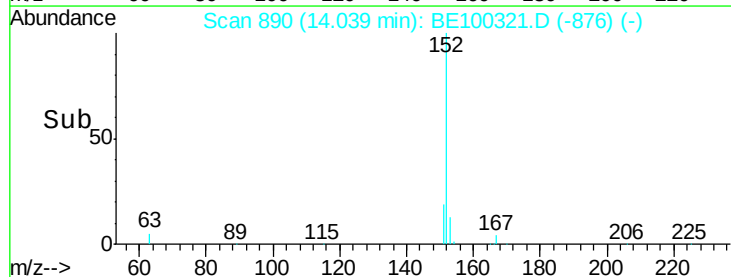
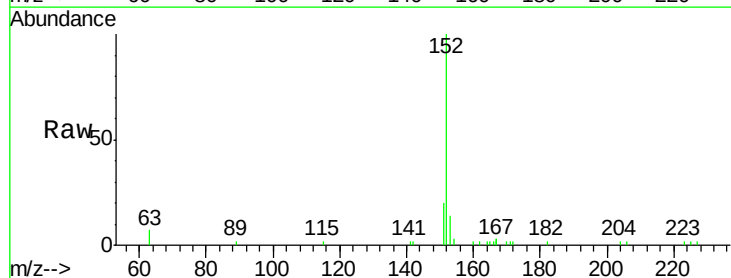
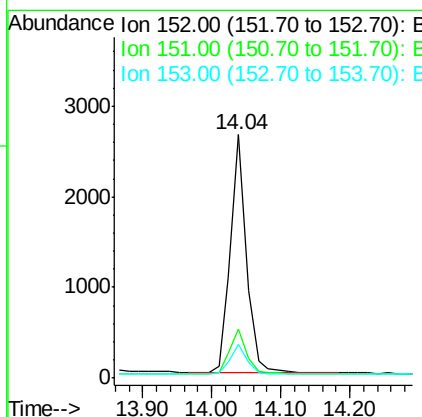
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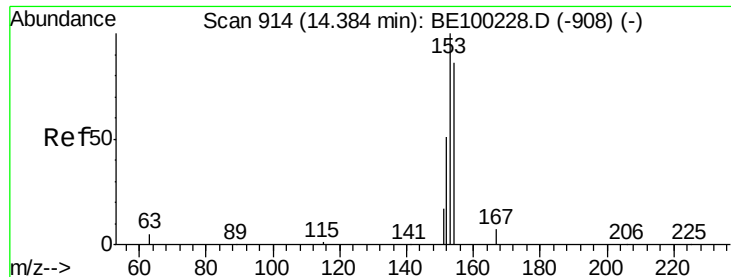
mohammad  
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#16  
Acenaphthylene  
Concen: 0.429 ng  
RT: 14.04 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 16.6  | 25.0  |
| 153     | 13.1  | 10.5  | 15.7  |





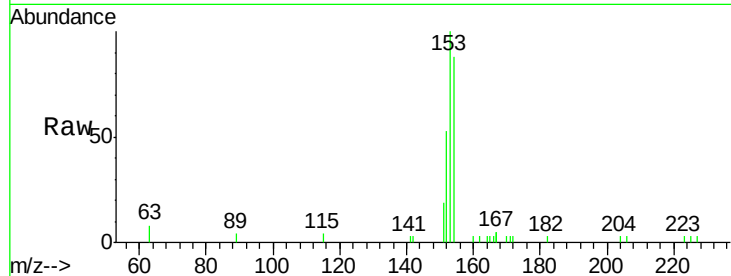
#17  
Acenaphthene  
Concen: 0.425 ng  
RT: 14.38 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 117.4 | 93.4  | 140.2 |
| 152     | 61.0  | 49.4  | 74.2  |

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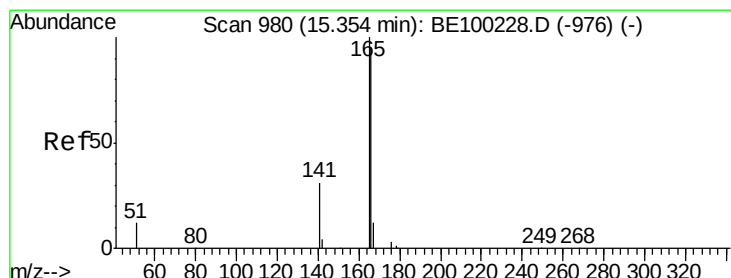
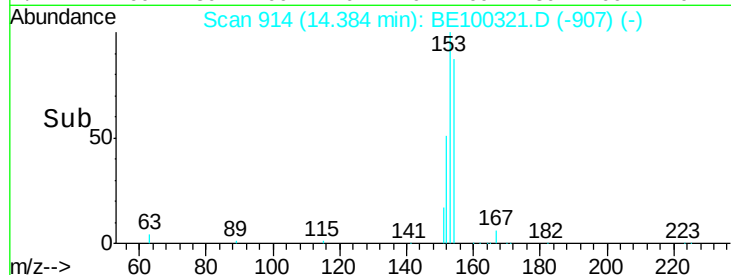
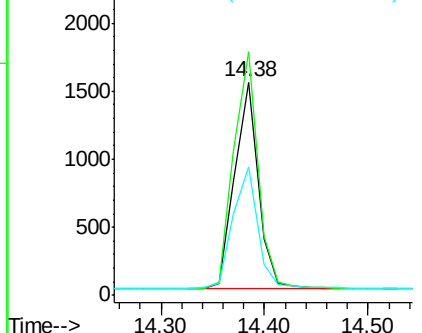


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18  
Fluorene  
Concen: 0.409 ng  
RT: 15.35 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

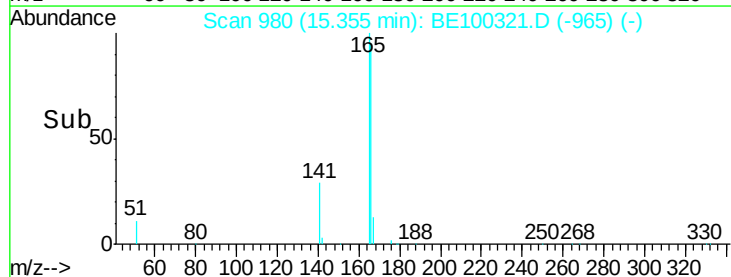
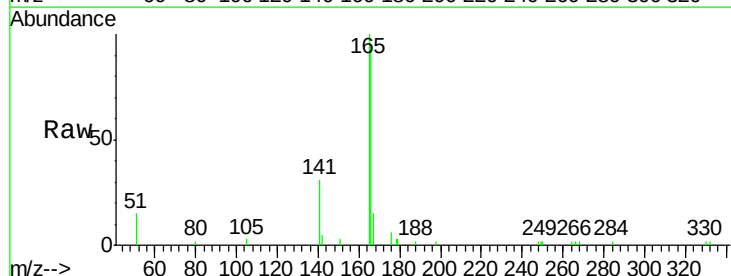
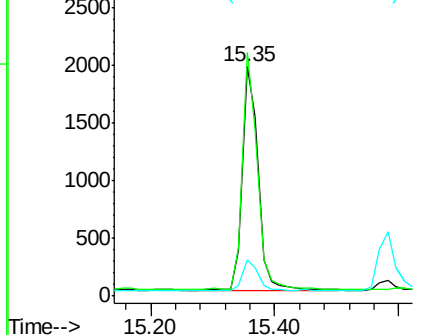
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.6 | 81.1  | 121.7 |
| 167     | 13.6  | 10.7  | 16.1  |

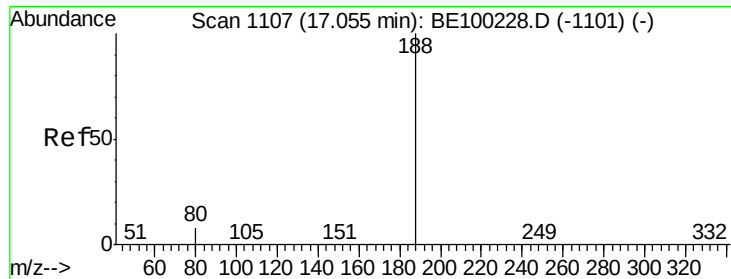
Abundance

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





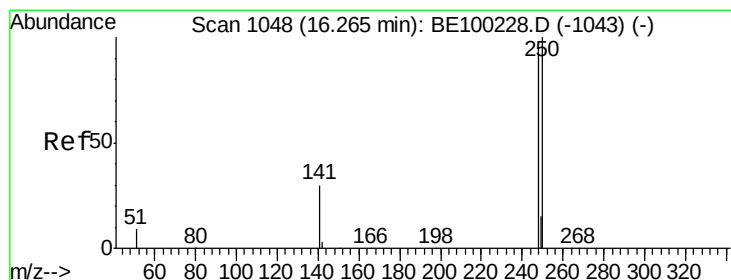
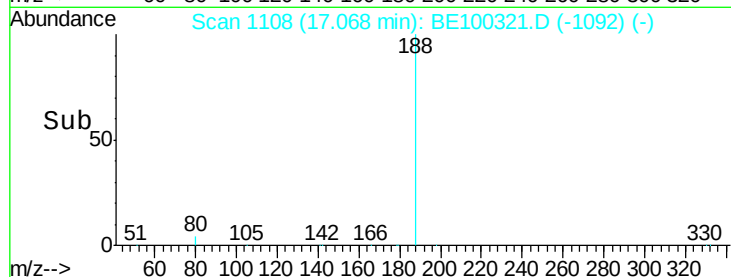
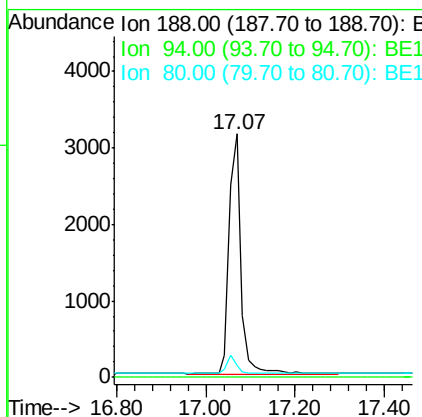
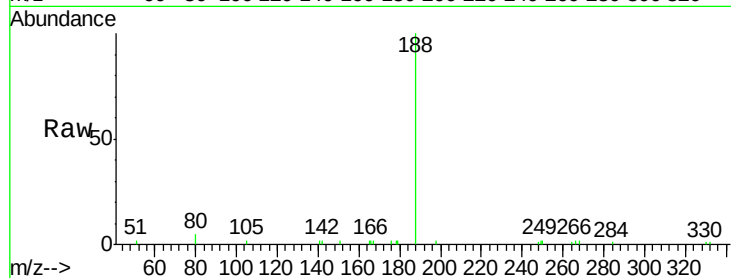
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.07 min Scan# 1108  
Delta R.T. 0.01 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 0.0   | 0.0        | 0.0        |
| 80      | 5.1   | 7.6        | 11.4#      |

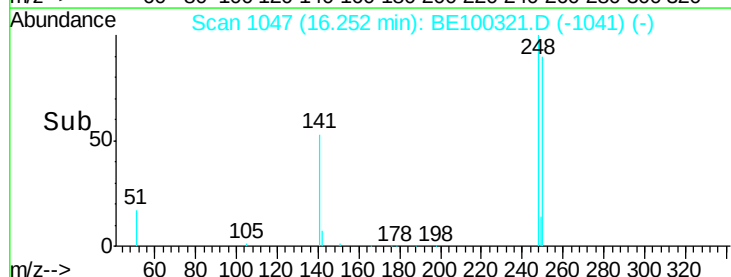
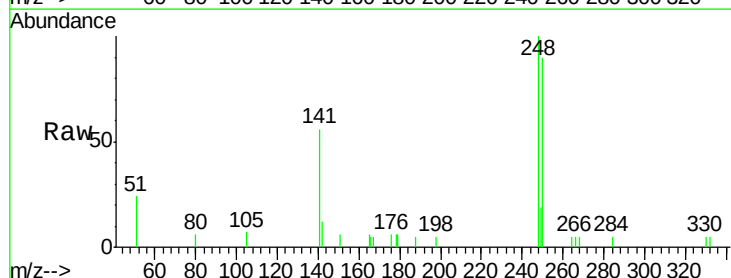
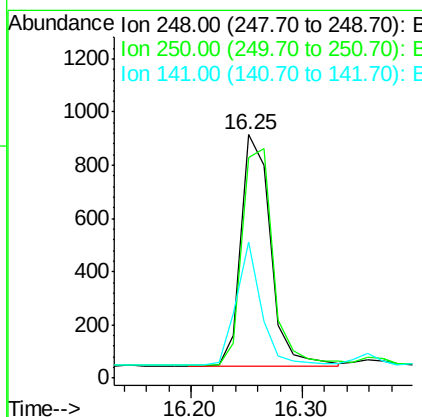
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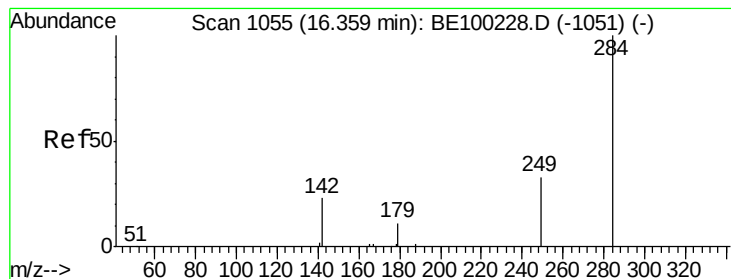
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#20  
4-Bromophenyl-phenylether  
Concen: 0.436 ng  
RT: 16.25 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 248     | 100   |            |            |
| 250     | 90.5  | 84.2       | 126.4      |
| 141     | 56.1  | 29.3       | 43.9#      |





#21

Hexachlorobenzene

Concen: 0.439 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

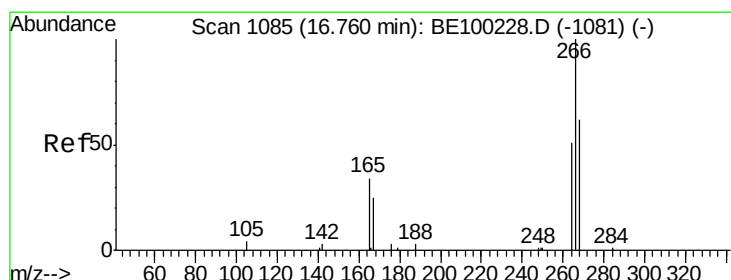
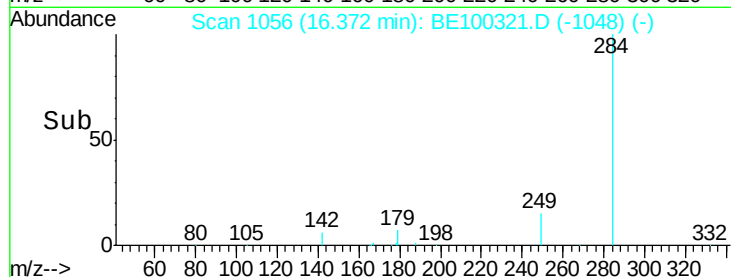
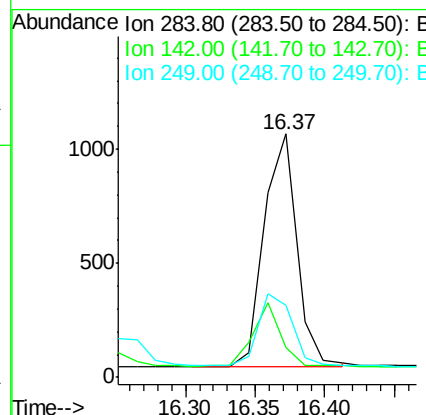
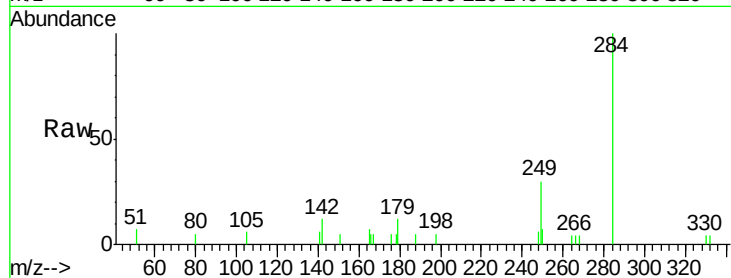
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 1685 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 22.8  | 18.8  | 28.2 |
| 249       | 30.7  | 23.7  | 35.5 |

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#22

Pentachlorophenol

Concen: 0.438 ng

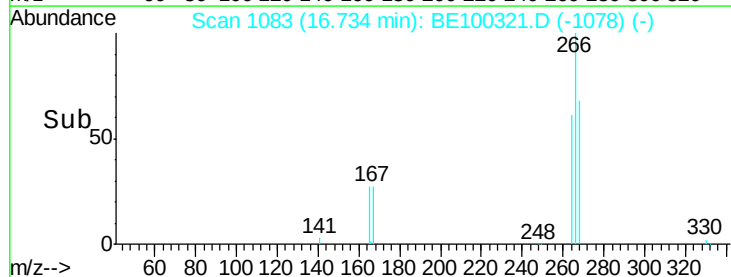
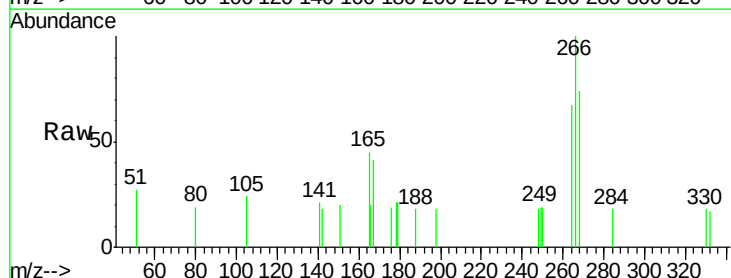
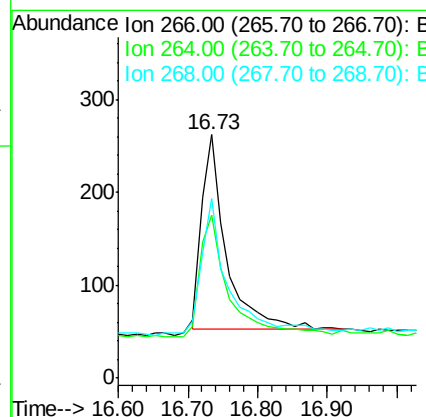
RT: 16.73 min Scan# 1083

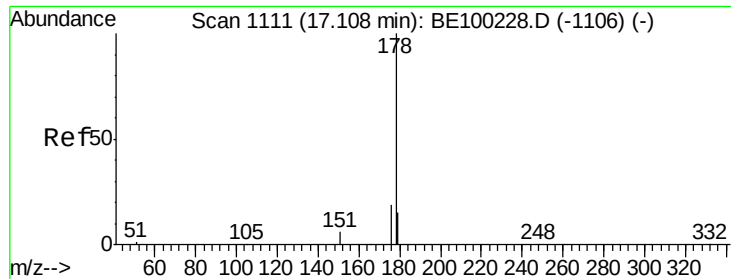
Delta R.T. -0.03 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 506  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 66.8  | 56.2  | 84.2 |
| 268       | 74.0  | 61.8  | 92.6 |





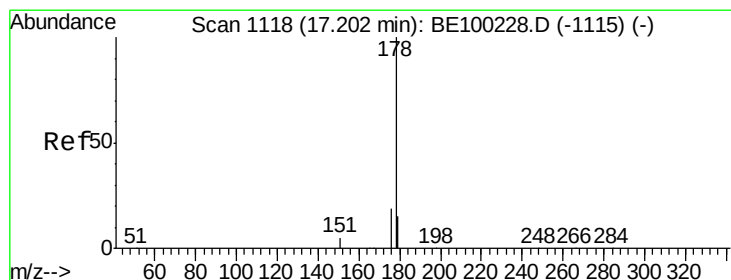
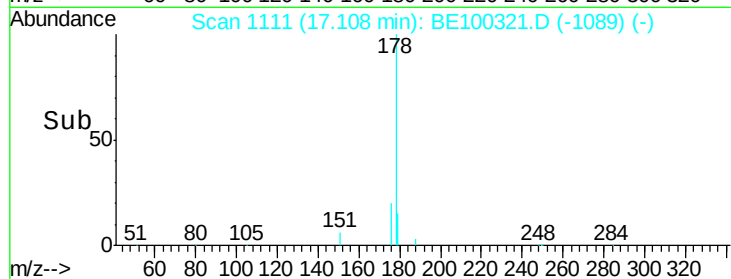
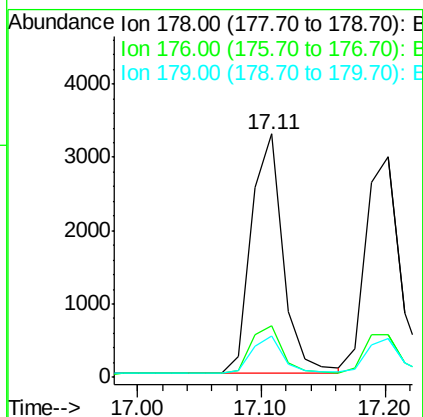
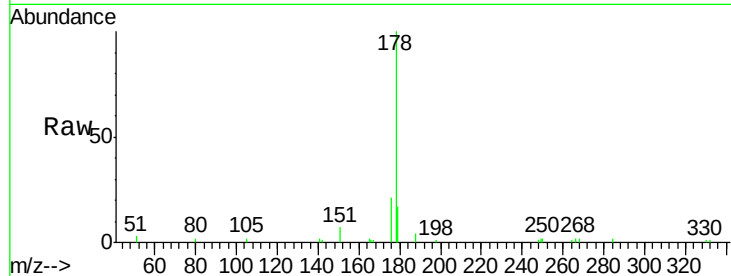
#23  
Phenanthrene  
Concen: 0.414 ng  
RT: 17.11 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.4  | 15.9  | 23.9  |
| 179     | 15.6  | 12.2  | 18.2  |

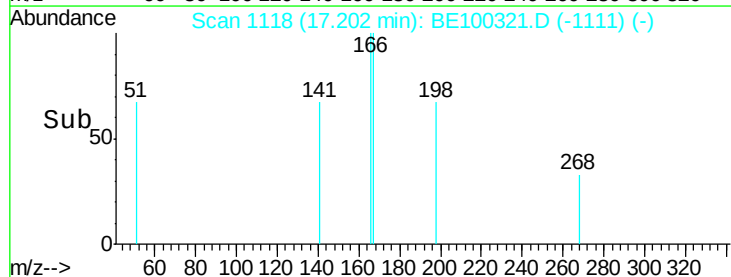
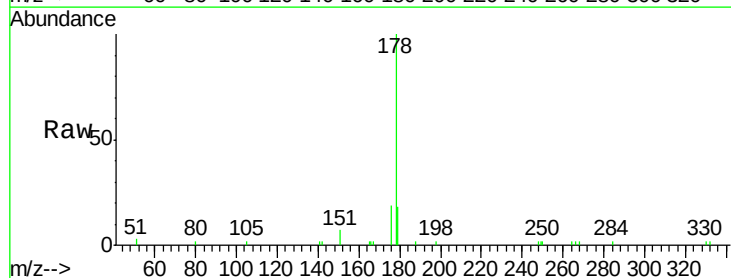
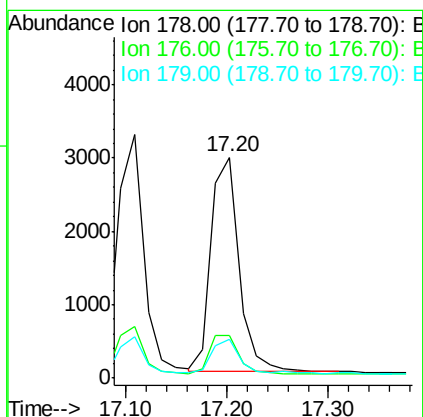
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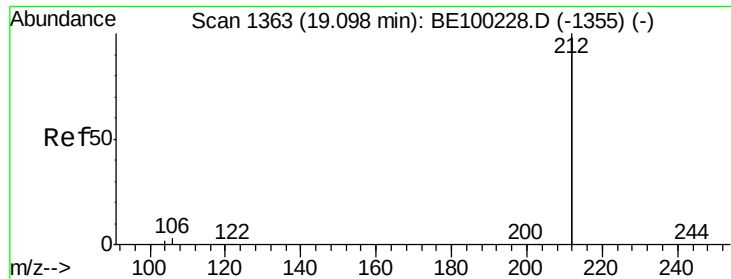
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#24  
Anthracene  
Concen: 0.445 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. 0.00 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.3  | 22.9  |
| 179     | 15.6  | 12.2  | 18.2  |





#25

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.10 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

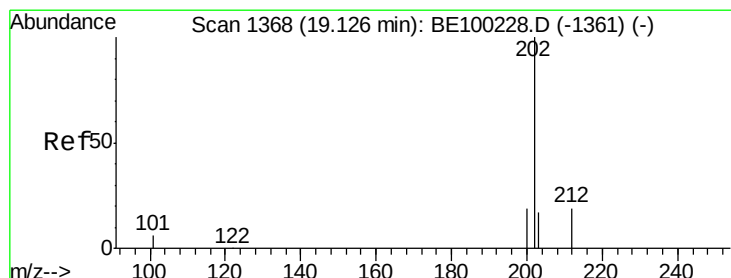
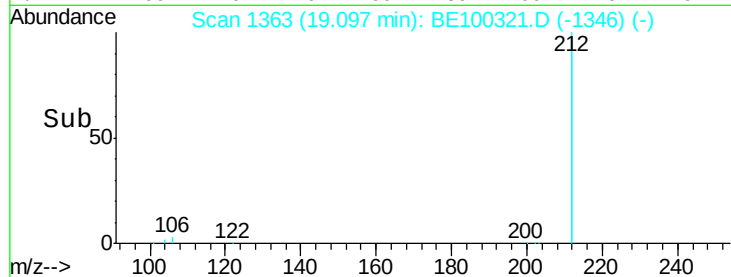
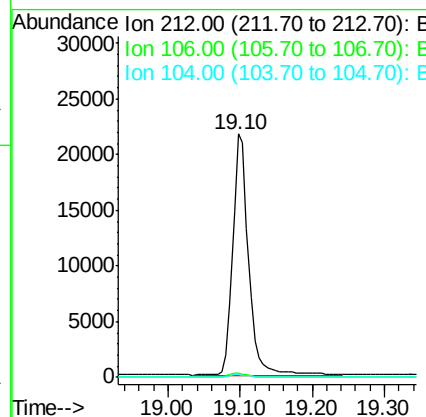
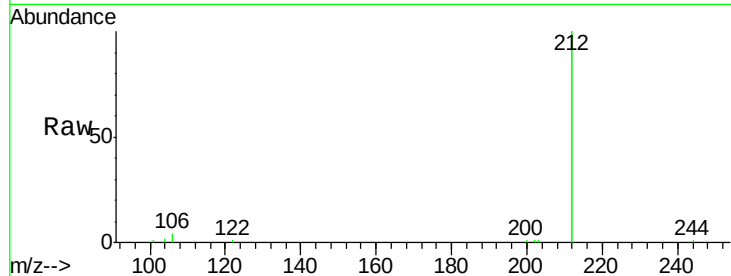
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 32947 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 1.6   | 1.3   | 1.9   |
| 104       | 0.9   | 0.8   | 1.2   |

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#26

Fluoranthene

Concen: 0.394 ng

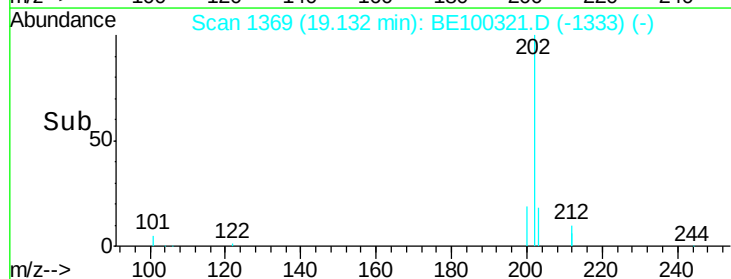
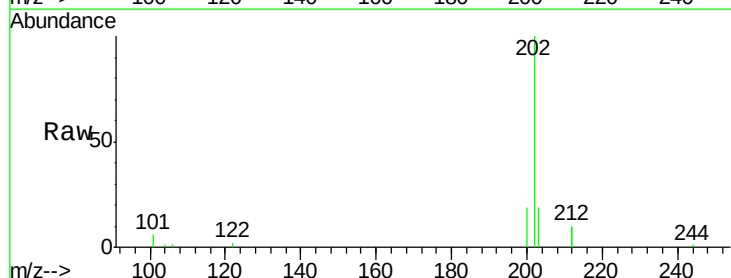
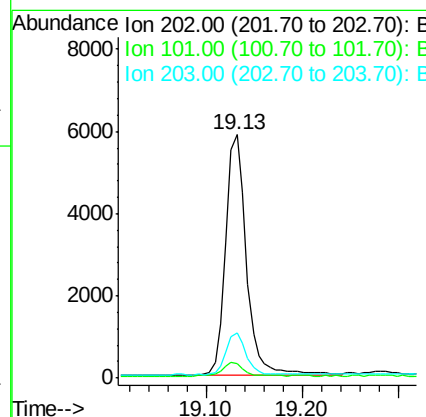
RT: 19.13 min Scan# 1369

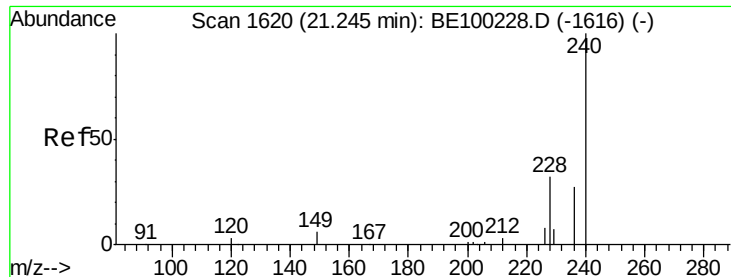
Delta R.T. 0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8795 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 5.6   | 4.6   | 7.0  |
| 203       | 17.5  | 13.7  | 20.5 |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

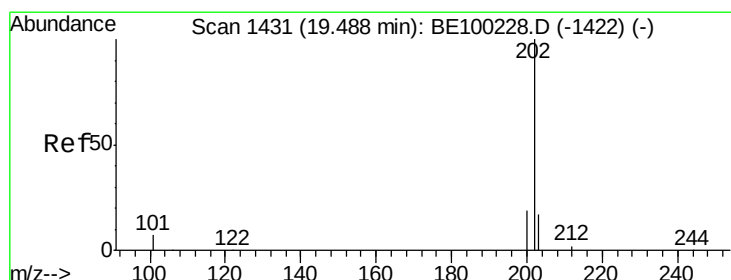
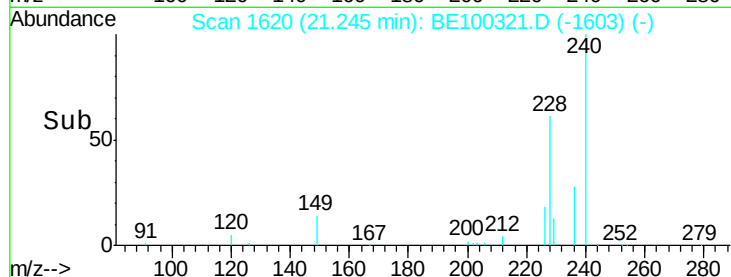
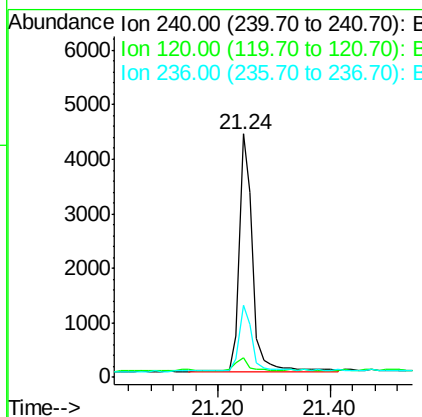
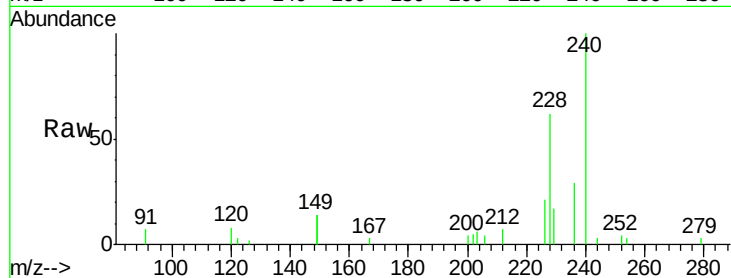
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.8   | 3.3   | 4.9#  |
| 236     | 29.5  | 22.6  | 34.0  |

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#28

Pyrene

Concen: 0.482 ng

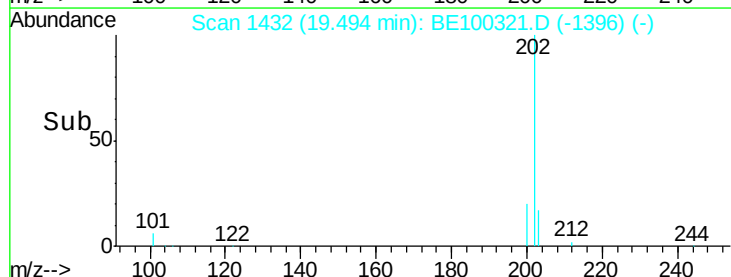
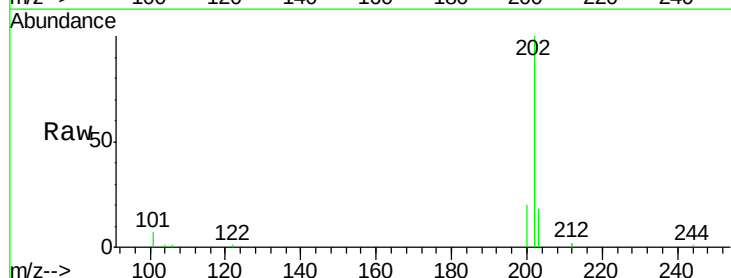
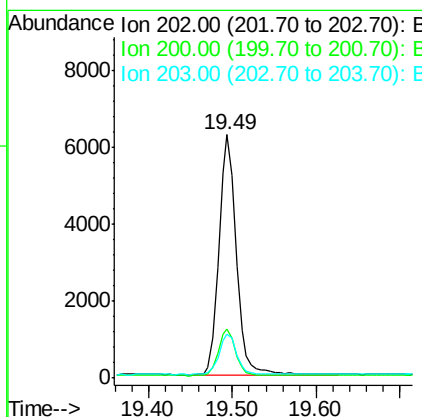
RT: 19.49 min Scan# 1432

Delta R.T. 0.01 min

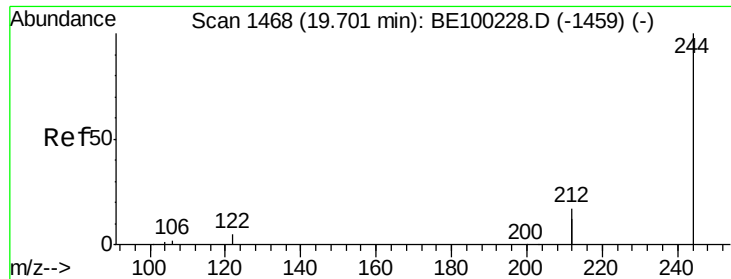
Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.5  | 15.6  | 23.4  |
| 203     | 17.9  | 14.0  | 21.0  |

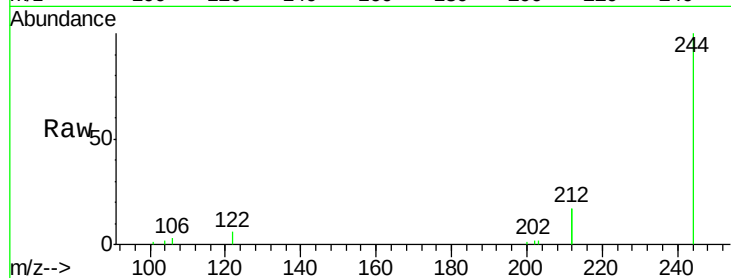






#29  
 Terphenyl-d14  
 Concen: 0.473 ng  
 RT: 19.70 min Scan# 1468  
 Delta R.T. -0.00 min  
 Lab File: BE100321.D  
 Acq: 3 Jul 2019 2:31

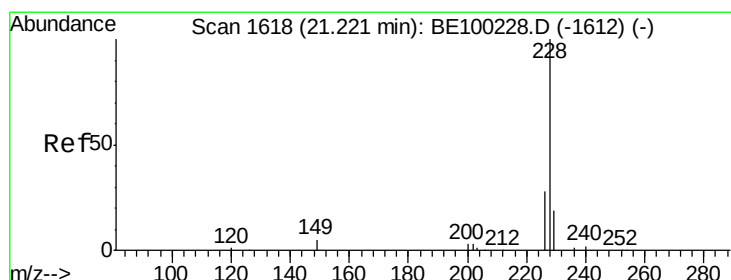
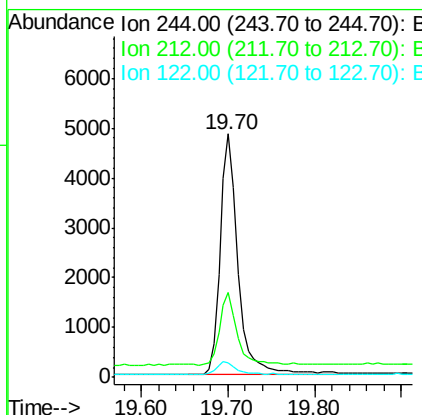
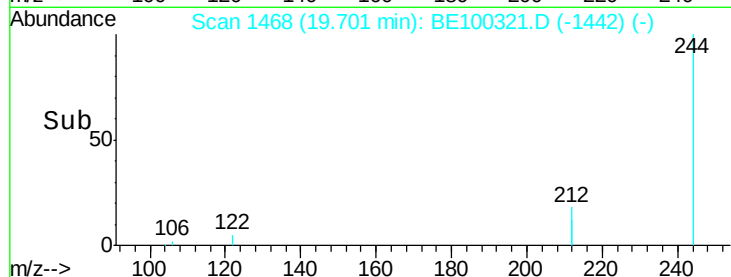
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC



Tgt Ion: 244 Resp: 6948  
 Ion Ratio Lower Upper  
 244 100  
 212 34.6 27.3 40.9  
 122 6.0 4.7 7.1

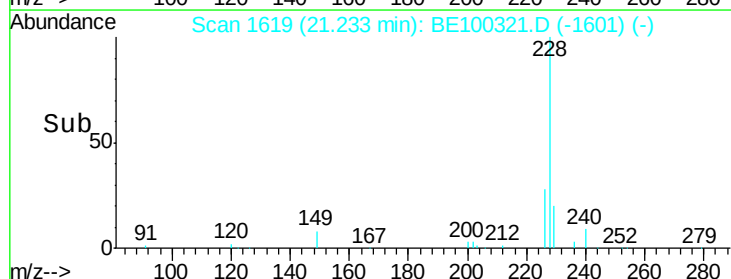
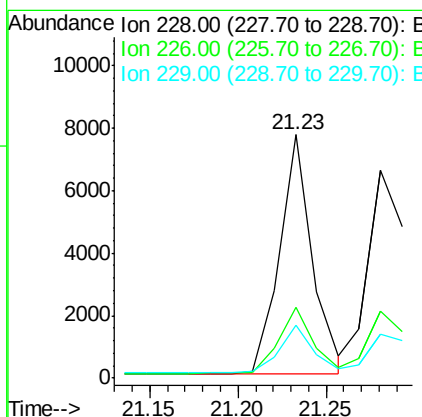
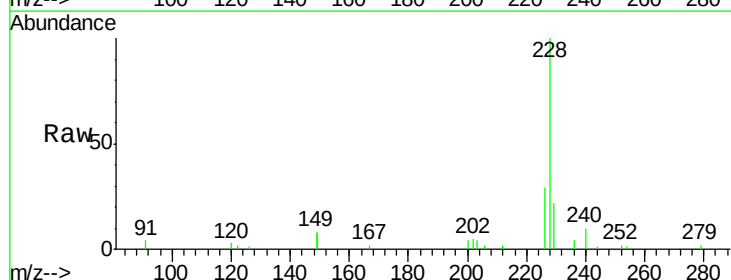
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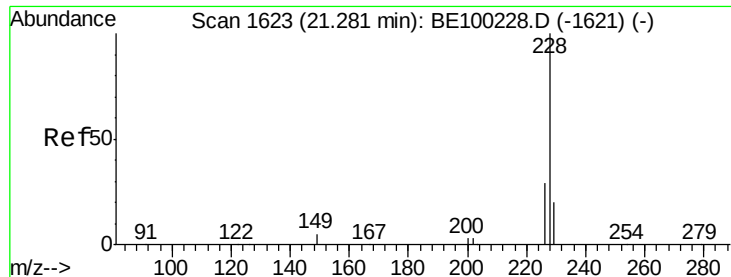
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#30  
 Benzo(a)anthracene  
 Concen: 0.426 ng  
 RT: 21.23 min Scan# 1619  
 Delta R.T. 0.01 min  
 Lab File: BE100321.D  
 Acq: 3 Jul 2019 2:31

Tgt Ion: 228 Resp: 9931  
 Ion Ratio Lower Upper  
 228 100  
 226 29.1 23.2 34.8  
 229 21.9 15.7 23.5





#31

Chrysene

Concen: 0.429 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

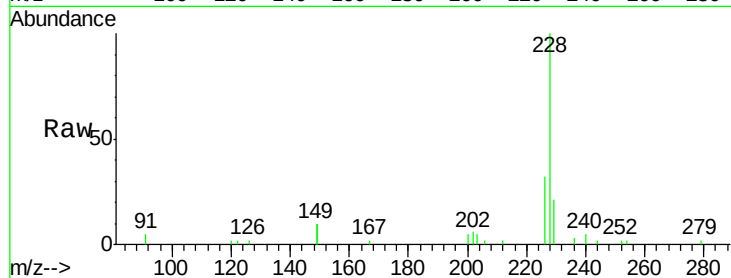
ClientSampleId :

SSTDCCC0.4EC

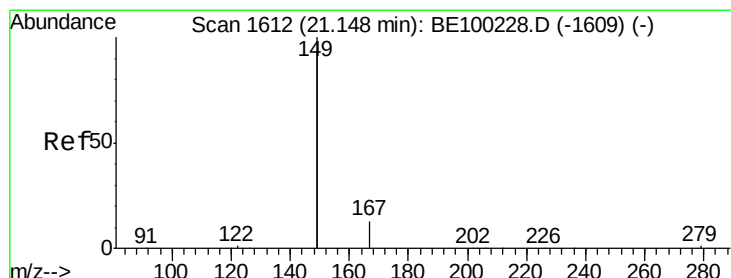
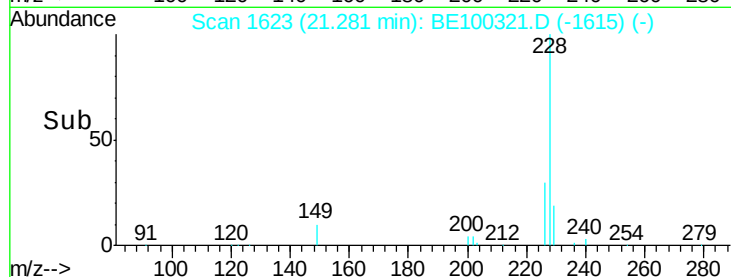
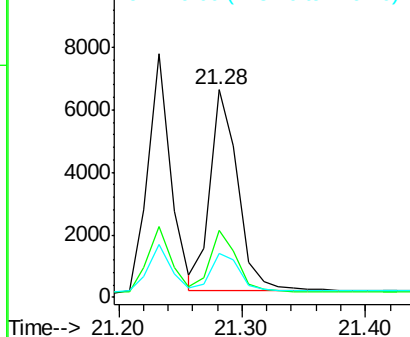
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.1  | 23.9  | 35.9  |
| 229     | 21.4  | 16.5  | 24.7  |

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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: 0.424 ng

RT: 21.15 min Scan# 1612

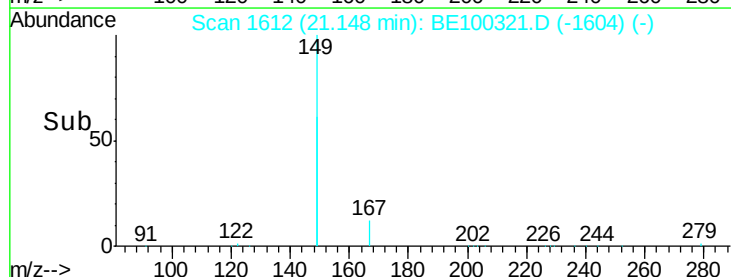
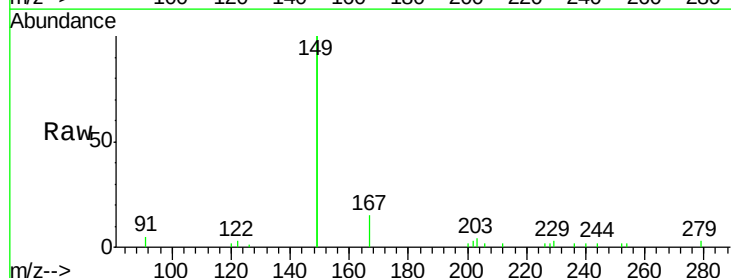
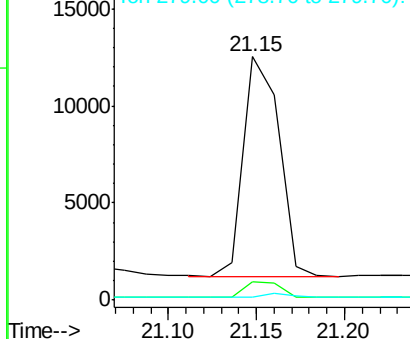
Delta R.T. 0.00 min

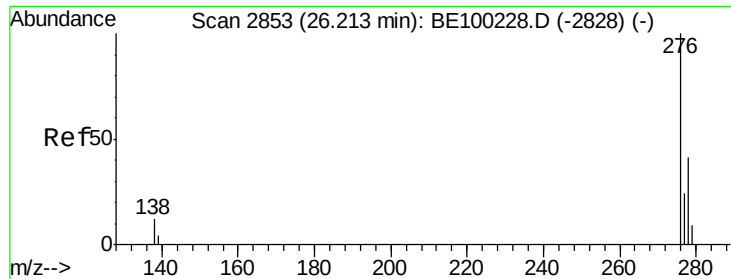
Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.8   | 5.8   | 8.8   |
| 279     | 1.8   | 1.1   | 1.7#  |

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





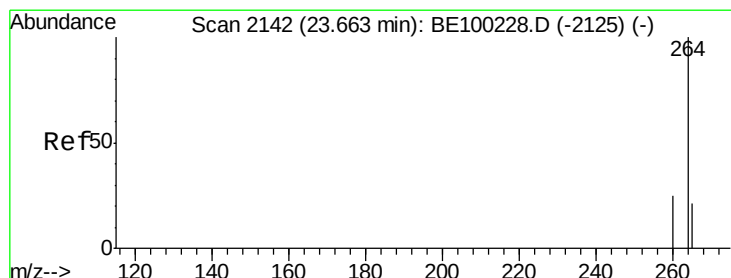
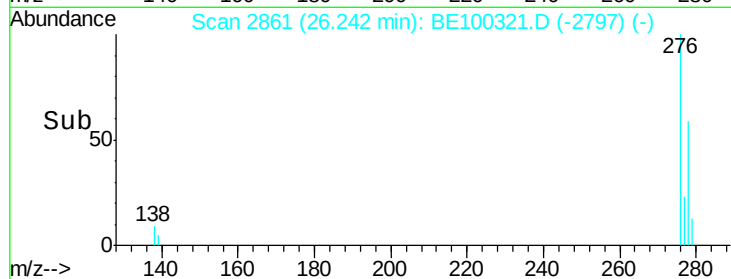
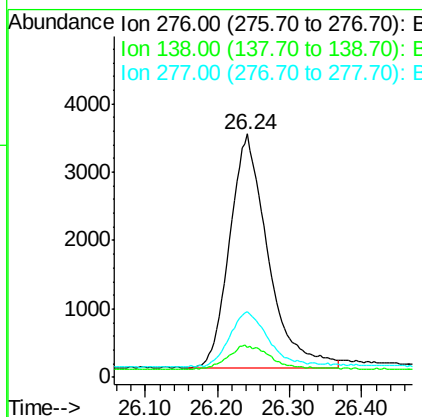
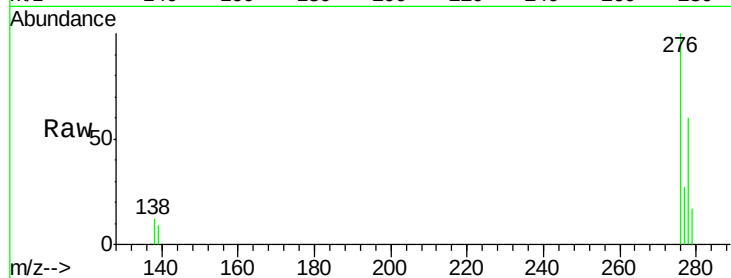
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.399 ng  
 RT: 26.24 min Scan# 2861  
 Delta R.T. 0.03 min  
 Lab File: BE100321.D  
 Acq: 3 Jul 2019 2:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 11.4  | 9.4   | 14.0  |
| 277     | 23.5  | 19.2  | 28.8  |

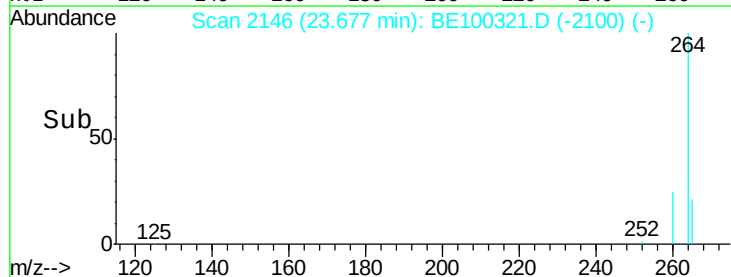
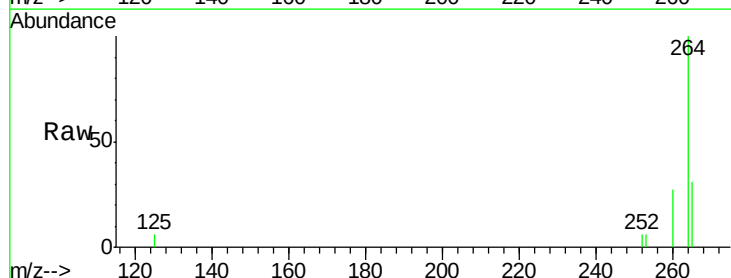
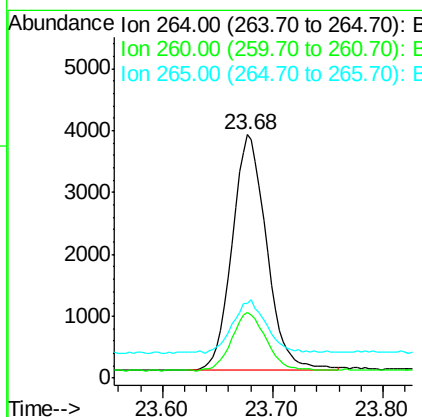
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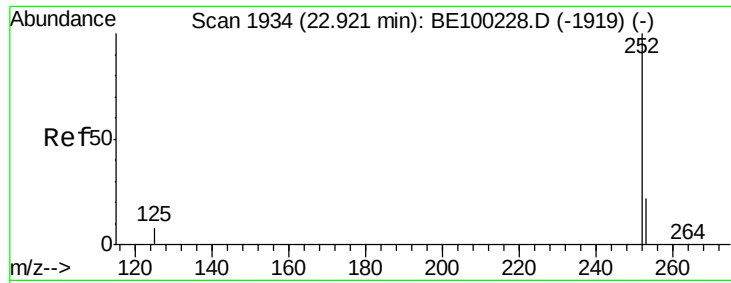
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.68 min Scan# 2146  
 Delta R.T. 0.01 min  
 Lab File: BE100321.D  
 Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 27.1  | 20.8  | 31.2  |
| 265     | 30.7  | 21.8  | 32.6  |





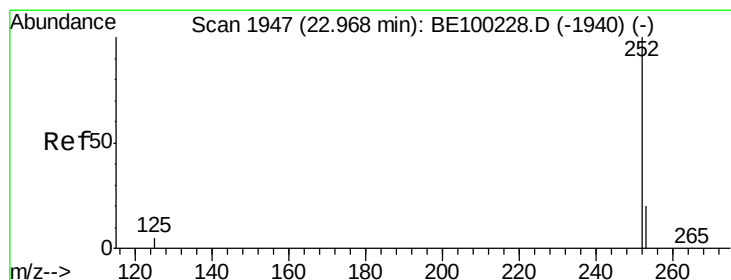
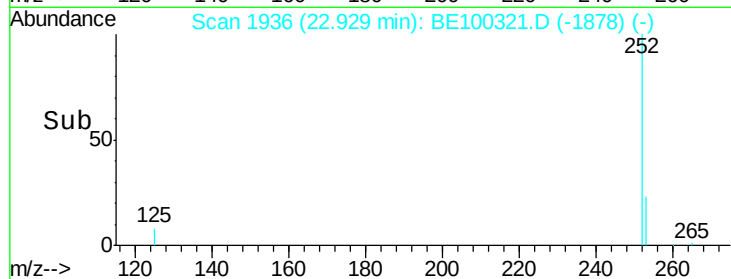
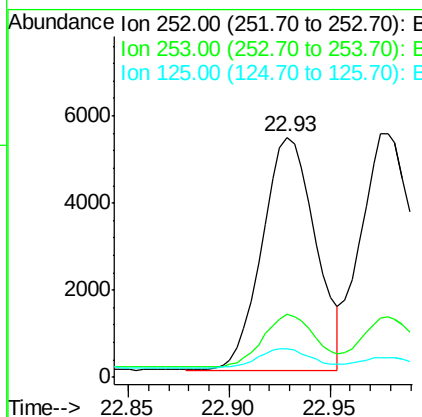
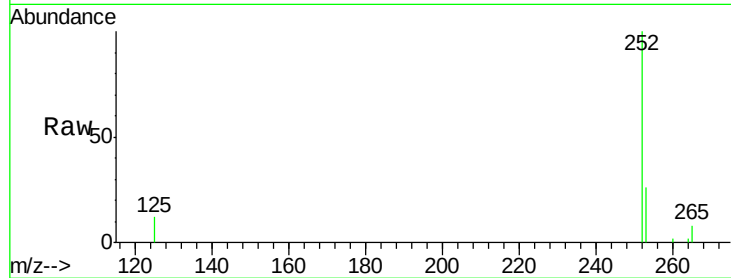
#35  
Benzo(b)fluoranthene  
Concen: 0.438 ng m  
RT: 22.93 min Scan# 1936  
Delta R.T. 0.01 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.2  | 19.2  | 28.8  |
| 125     | 12.0  | 7.4   | 11.0  |

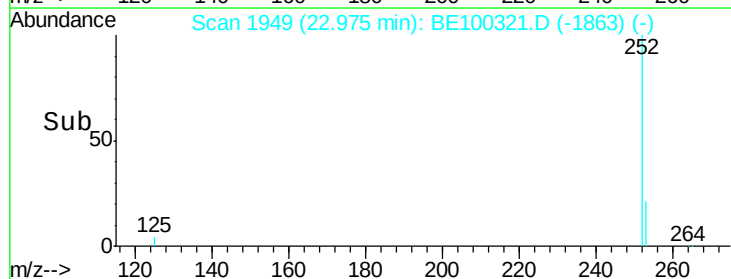
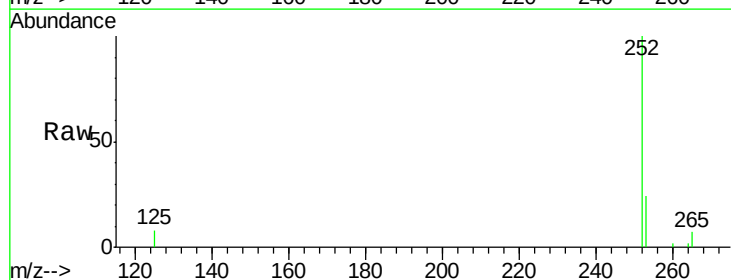
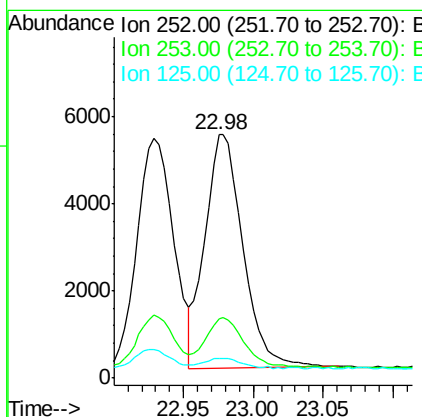
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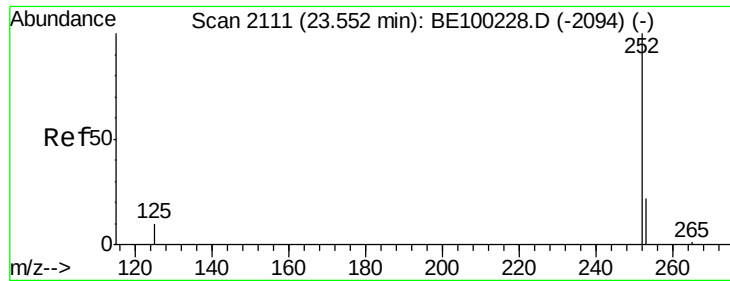
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#36  
Benzo(k)fluoranthene  
Concen: 0.407 ng  
RT: 22.98 min Scan# 1949  
Delta R.T. 0.01 min  
Lab File: BE100321.D  
Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.9  | 26.9  |
| 125     | 7.9   | 5.0   | 7.4   |





#37

Benzo(a)pyrene

Concen: 0.432 ng

RT: 23.57 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

Instrument :

BNA\_E

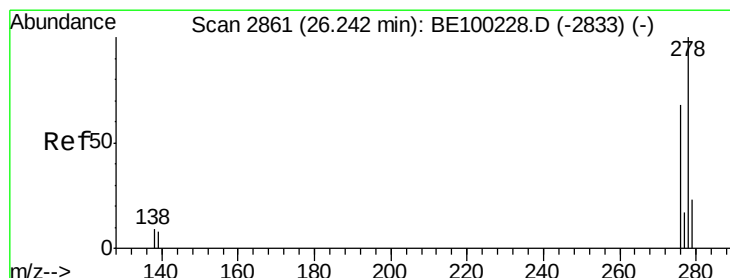
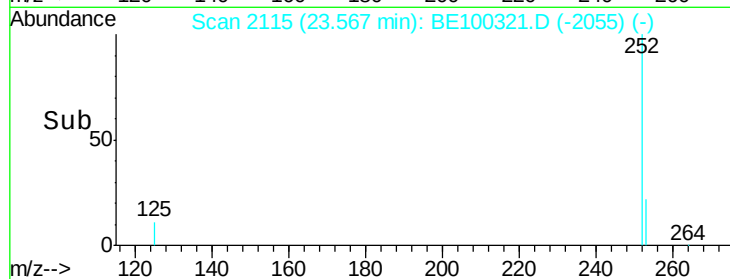
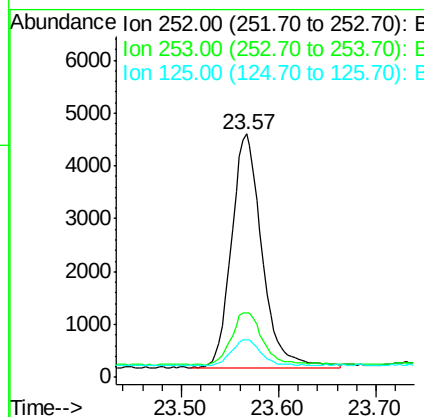
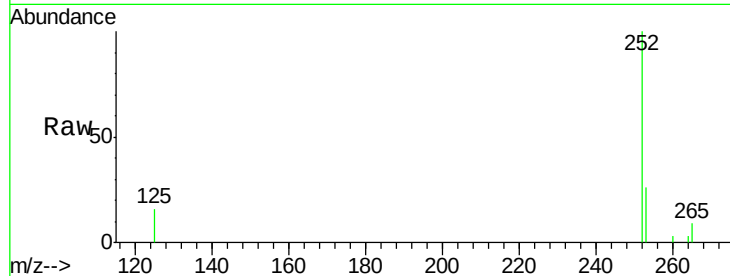
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.5  | 19.6  | 29.4  |
| 125     | 15.6  | 9.0   | 13.6  |

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#38

Dibenzo(a,h)anthracene

Concen: 0.427 ng

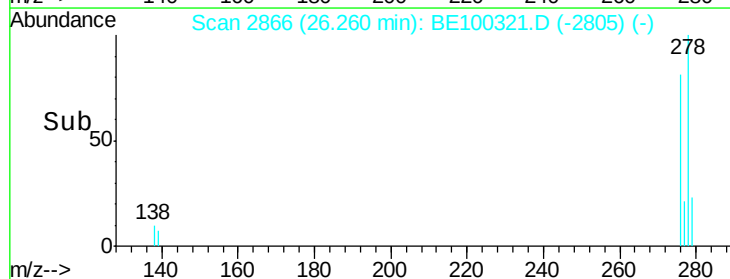
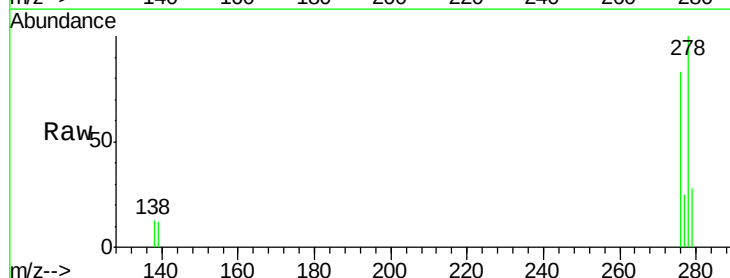
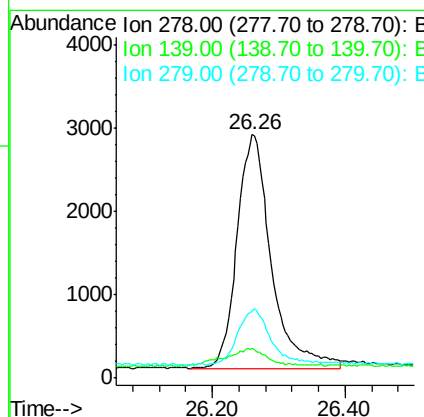
RT: 26.26 min Scan# 2866

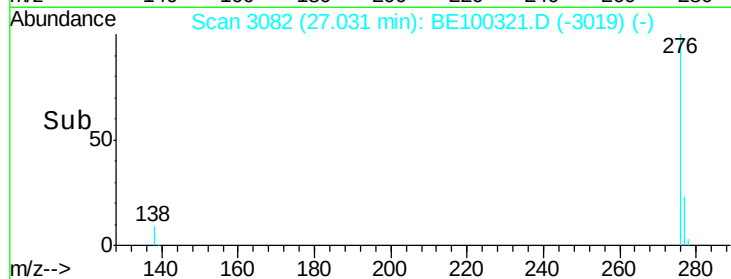
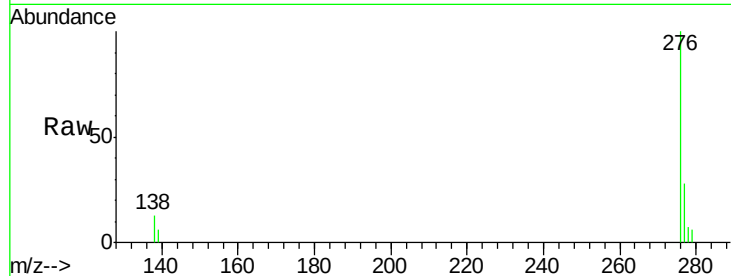
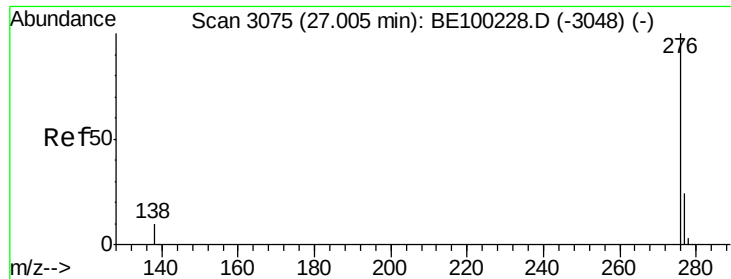
Delta R.T. 0.02 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.1  | 8.2   | 12.2  |
| 279     | 27.5  | 20.3  | 30.5  |





#39

Benzo(g,h,i)perylene

Concen: 0.410 ng

RT: 27.03 min Scan# 3082

Delta R.T. 0.03 min

Lab File: BE100321.D

Acq: 3 Jul 2019 2:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 9906 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 28.0  | 20.2  | 30.2 |
| 138       | 12.8  | 9.0   | 13.6 |

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

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