

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\  
 Data File : BE098530.D  
 Acq On : 19 Dec 2018 17:15  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

Sohil  
 12/20/2018 1:55:21 PM

Quant Time: Dec 19 23:44:05 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 10 14:59:55 2018

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1482     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 7478     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 4603     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 11099    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.45 | 240  | 12301    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 24.00 | 264  | 10997    | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.46  | 112 | 1491  | 0.43 | ng | 0.01  |
| 5) Phenol-d6                | 7.05  | 99  | 2286  | 0.47 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 2443  | 0.36 | ng | 0.01  |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 4895  | 0.40 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330 | 688   | 0.41 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 7648  | 0.39 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.30 | 212 | 53078 | 0.37 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.90 | 244 | 10697 | 0.36 | ng | -0.01 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88  | 829    | 0.323 | ng | 95     |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 801    | 0.347 | ng | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 1645   | 0.352 | ng | 91     |
| 9) Naphthalene                 | 10.72 | 128 | 29559  | 0.393 | ng | 100    |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 1844   | 0.385 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 4826   | 0.395 | ng | 98     |
| 16) Acenaphthylene             | 14.24 | 152 | 7867   | 0.365 | ng | 99     |
| 17) Acenaphthene               | 14.59 | 154 | 5100   | 0.394 | ng | 100    |
| 18) Fluorene                   | 15.57 | 166 | 6455   | 0.372 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 2346   | 0.393 | ng | # 84   |
| 21) Hexachlorobenzene          | 16.58 | 284 | 2663   | 0.415 | ng | 97     |
| 22) Pentachlorophenol          | 16.94 | 266 | 465    | 0.443 | ng | 90     |
| 23) Phenanthrene               | 17.32 | 178 | 10531  | 0.390 | ng | 99     |
| 24) Anthracene                 | 17.41 | 178 | 8856   | 0.368 | ng | 99     |
| 26) Fluoranthene               | 19.33 | 202 | 13194  | 0.370 | ng | 98     |
| 28) Pyrene                     | 19.69 | 202 | 13926  | 0.361 | ng | 98     |
| 30) Benzo(a)anthracene         | 21.44 | 228 | 12873  | 0.368 | ng | 99     |
| 31) Chrysene                   | 21.49 | 228 | 14228  | 0.388 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149 | 25849  | 0.363 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.68 | 276 | 9519   | 0.261 | ng | 98     |
| 35) Benzo(b)fluoranthene       | 23.21 | 252 | 12061  | 0.401 | ng | 98     |
| 36) Benzo(k)fluoranthene       | 23.26 | 252 | 15968m | 0.456 | ng |        |
| 37) Benzo(a)pyrene             | 23.88 | 252 | 12435  | 0.401 | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.71 | 278 | 9129   | 0.312 | ng | # 88   |
| 39) Benzo(g,h,i)perylene       | 27.50 | 276 | 7228   | 0.245 | ng | 99     |

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

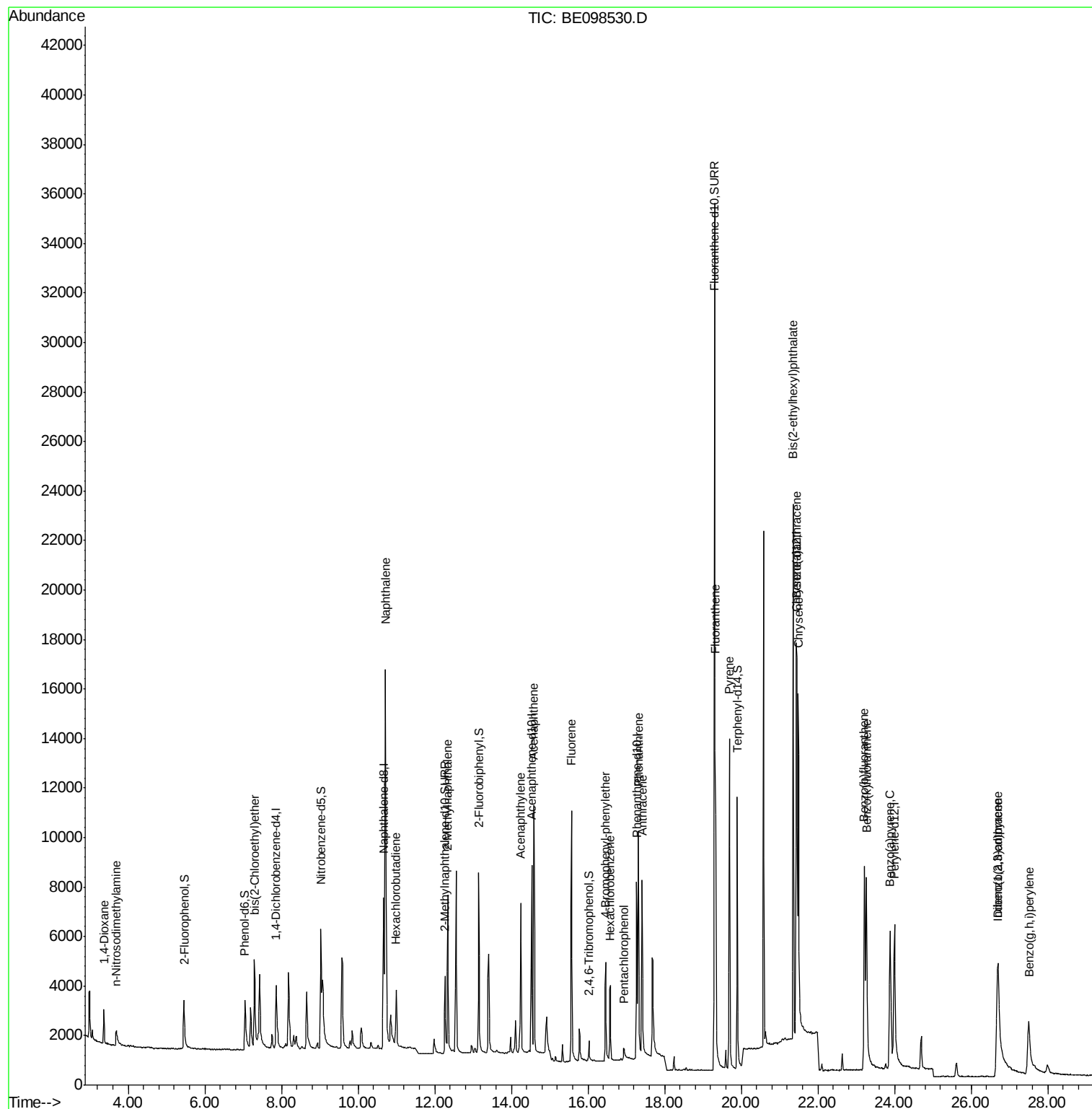
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\  
Data File : BE098530.D  
Acq On : 19 Dec 2018 17:15  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

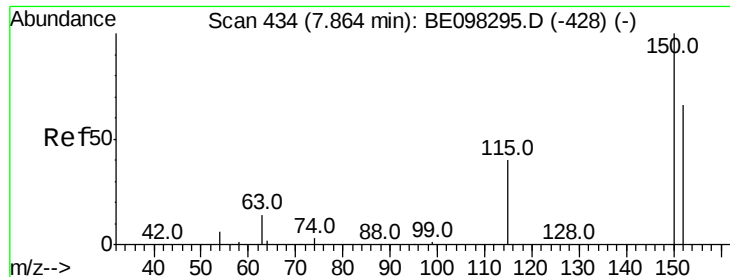
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
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12/20/2018 1:55:21 PM

Quant Time: Dec 19 23:44:05 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 10 14:59:55 2018  
Response via : Initial Calibration





#1

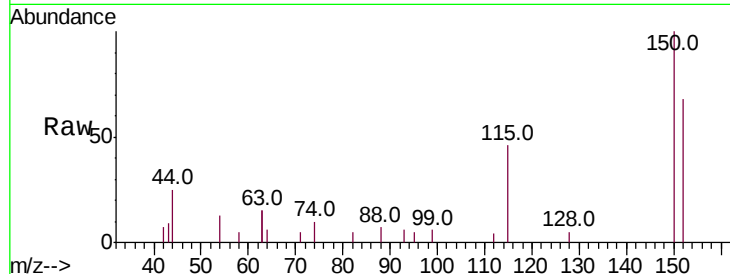
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 147.0 | 124.2 | 186.4 |
| 115     | 67.5  | 53.9  | 80.9  |

Manual Integrations  
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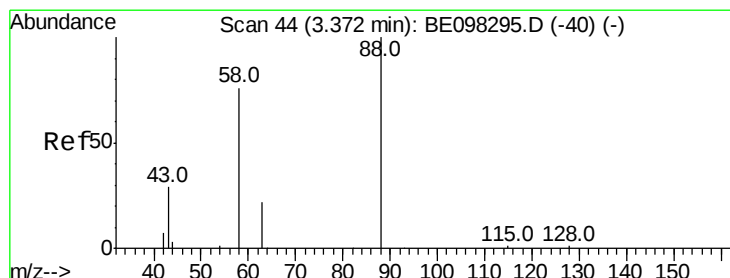
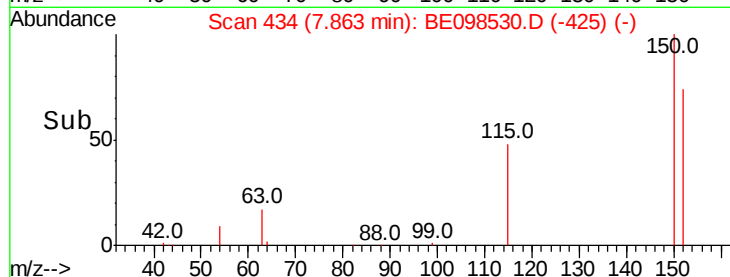
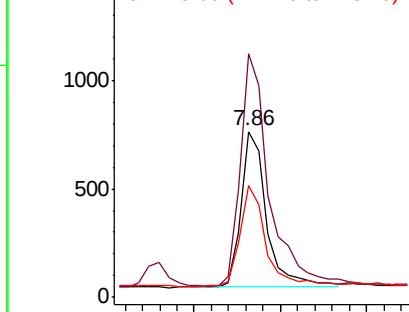


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

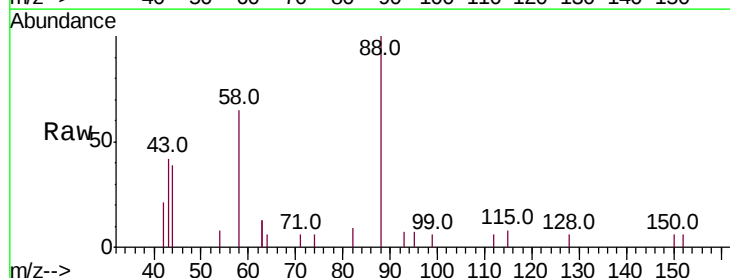
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.323 ng  
RT: 3.36 min Scan# 43  
Delta R.T. -0.01 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 88.1  | 75.0  | 112.6 |
| 43      | 46.7  | 38.3  | 57.5  |

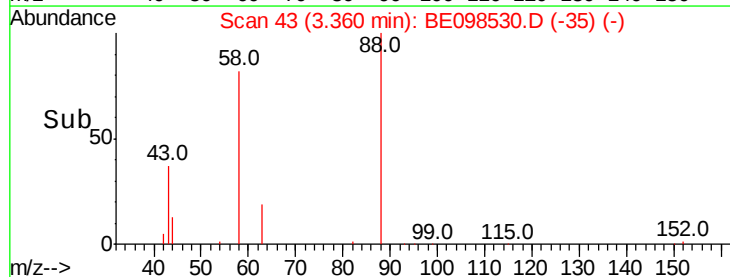
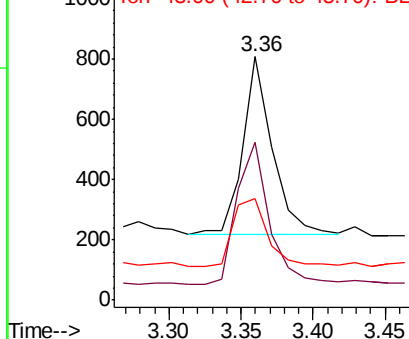


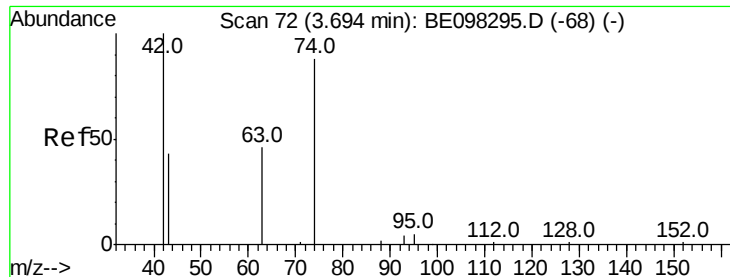
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

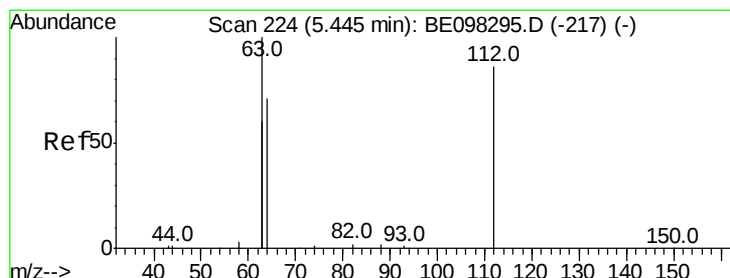
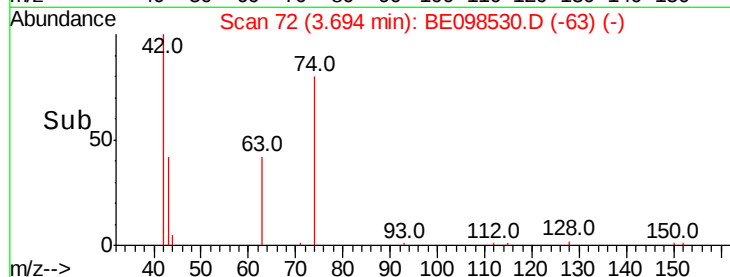
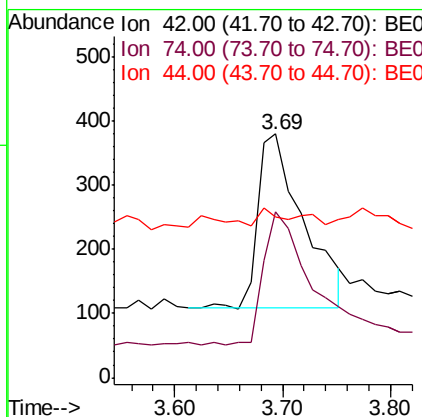
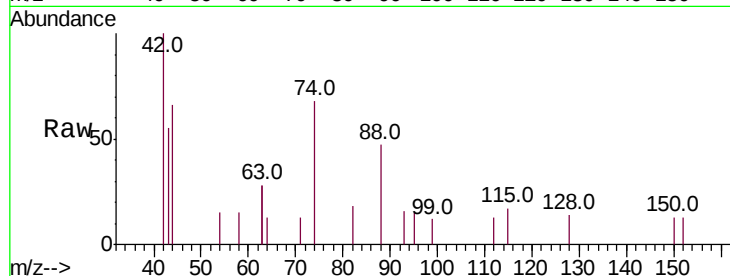
n-Nitrosodimethylamine  
 Concen: 0.347 ng  
 RT: 3.69 min Scan# 72  
 Delta R.T. -0.00 min  
 Lab File: BE098530.D  
 Acq: 19 Dec 2018 17:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 75.3  | 0.0   | 0.0#  |
| 44      | 3.2   | 0.0   | 0.0#  |

Manual Integrations  
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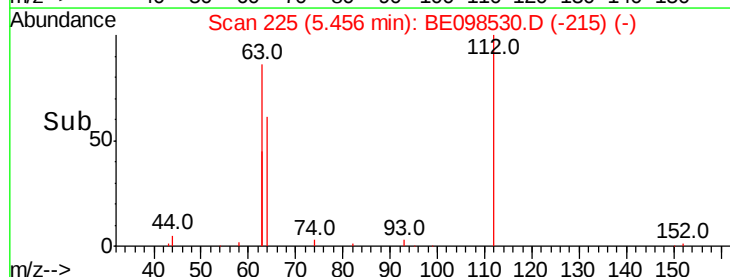
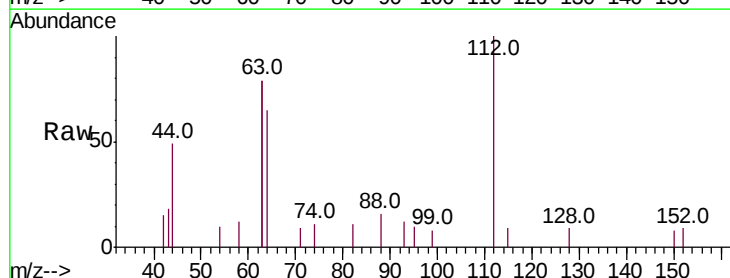
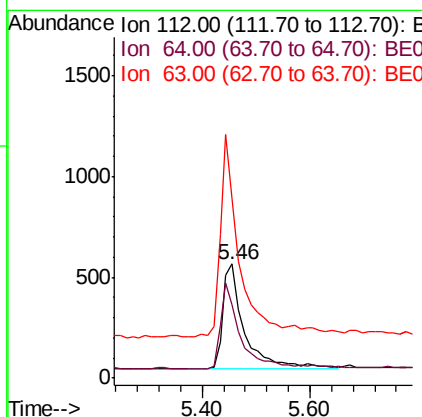
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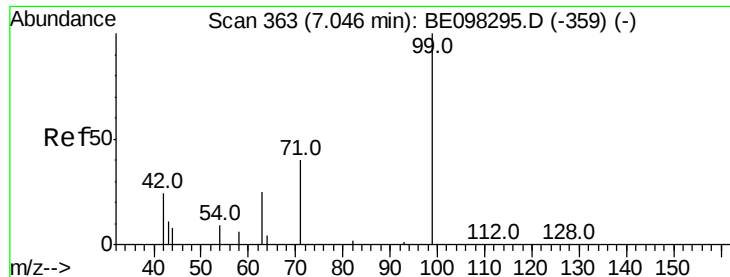


#4

2-Fluorophenol  
 Concen: 0.430 ng  
 RT: 5.46 min Scan# 225  
 Delta R.T. 0.01 min  
 Lab File: BE098530.D  
 Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 75.5  | 59.8  | 89.8  |
| 63      | 174.1 | 133.7 | 200.5 |





#5

Phenol-d6

Concen: 0.465 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

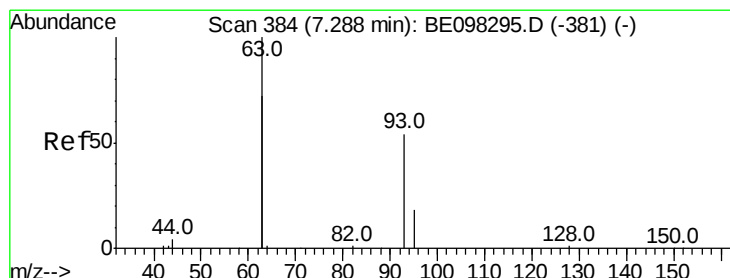
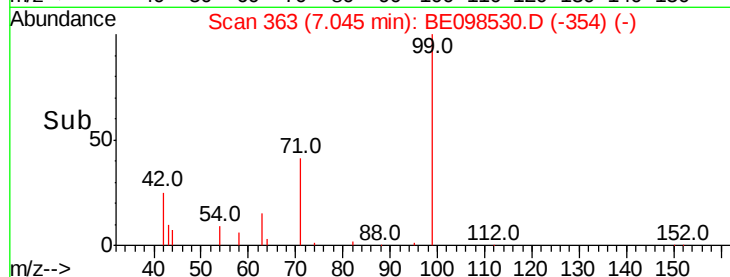
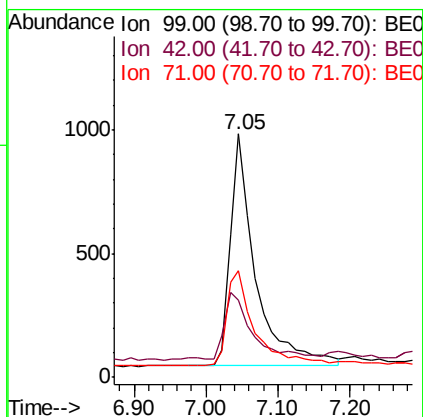
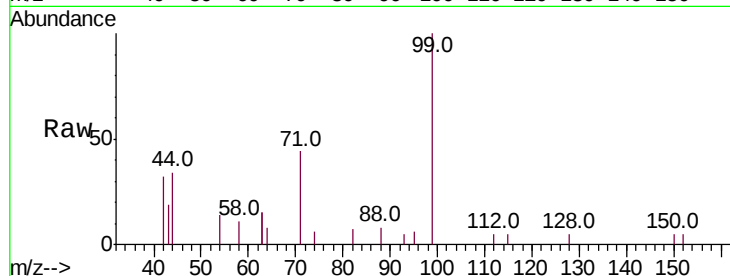
ClientSampleId :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 2286  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 32.3  | 26.3  | 39.5  |
| 71       | 44.6  | 33.6  | 50.4  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.352 ng

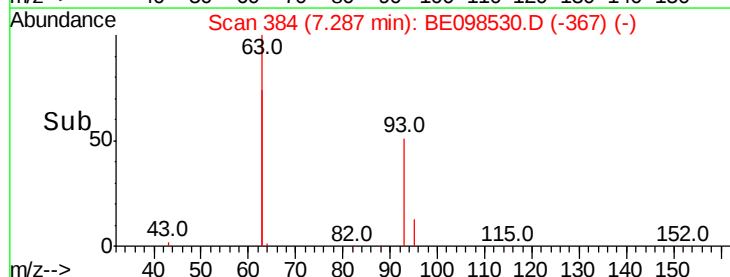
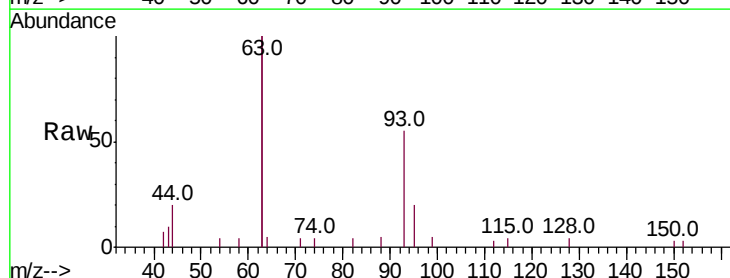
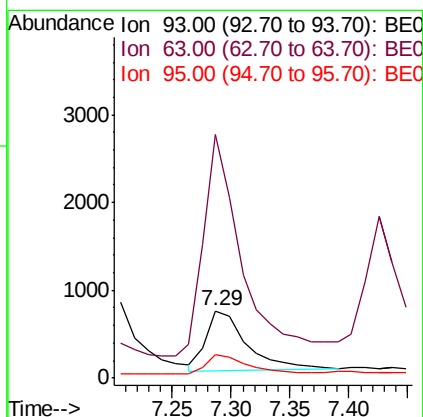
RT: 7.29 min Scan# 384

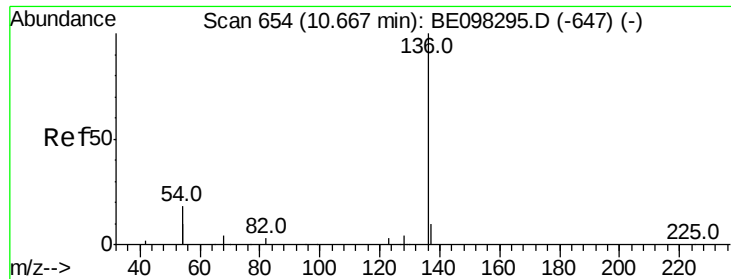
Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1645  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 351.7 | 264.4 | 396.6 |
| 95       | 33.7  | 26.6  | 40.0  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

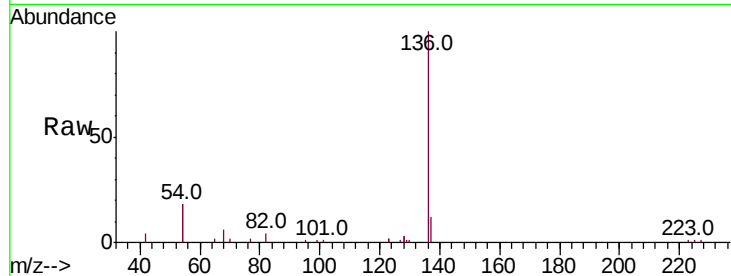
ClientSampleId :

SSTDCCC0.4EC

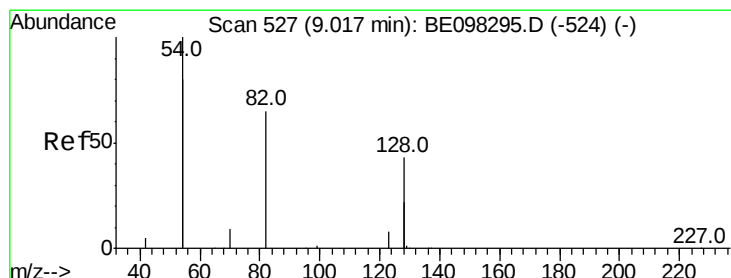
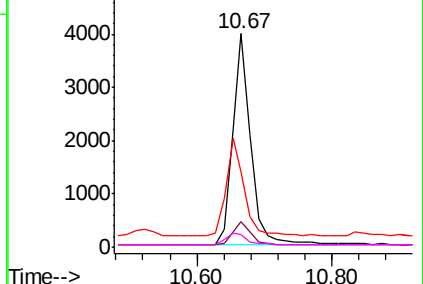
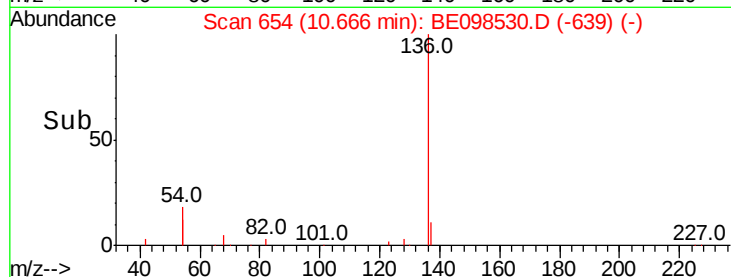
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.9  | 9.2   | 13.8  |
| 54      | 35.4  | 28.4  | 42.6  |
| 68      | 6.2   | 5.4   | 8.0   |

Manual Integrations  
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Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.359 ng

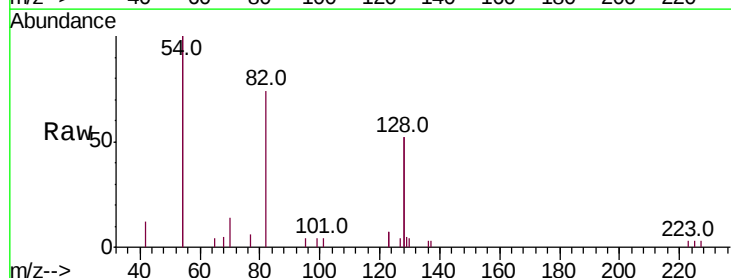
RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

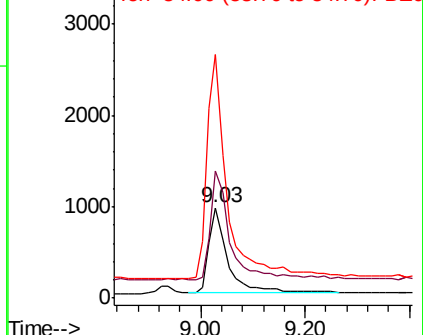
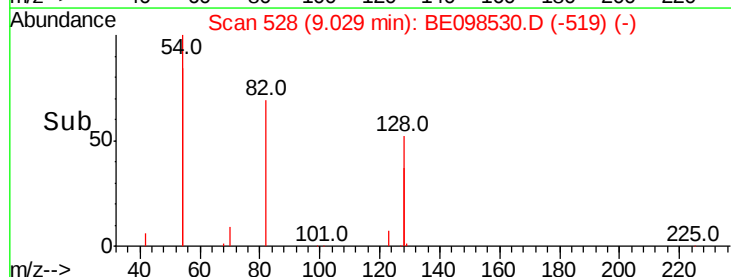
Lab File: BE098530.D

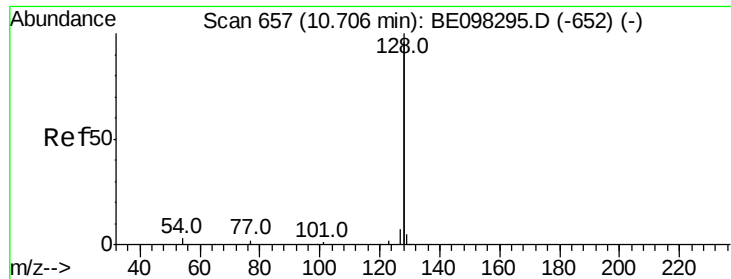
Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 139.9 | 102.4 | 153.6 |
| 54      | 268.8 | 221.8 | 332.8 |



Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.393 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

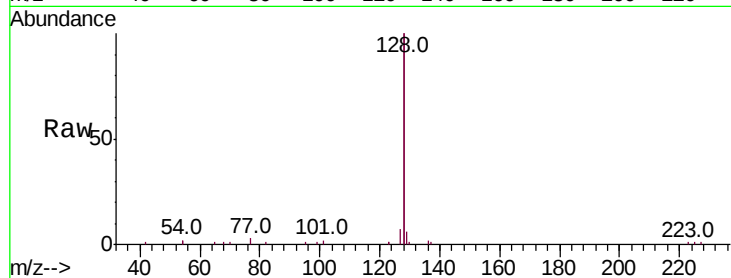
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 29559 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.1   | 2.5   | 3.7   |
| 127       | 3.5   | 2.7   | 4.1   |

Manual Integrations  
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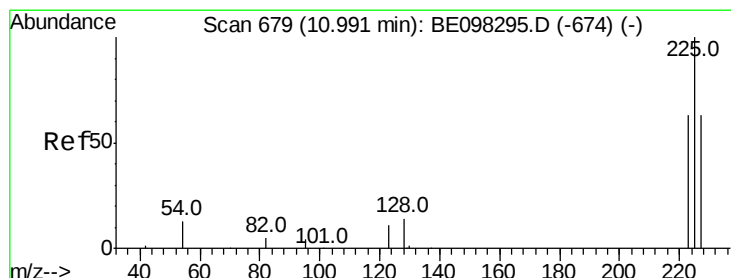
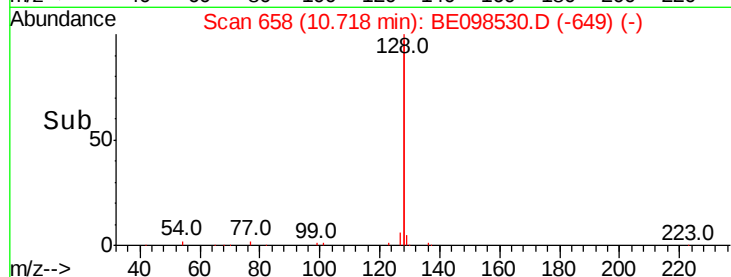
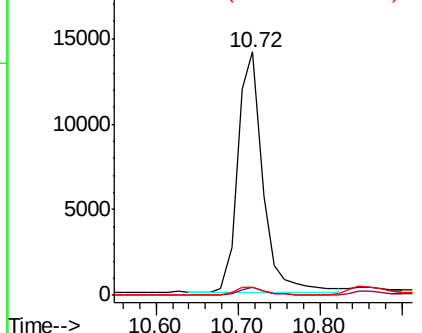
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.385 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098530.D

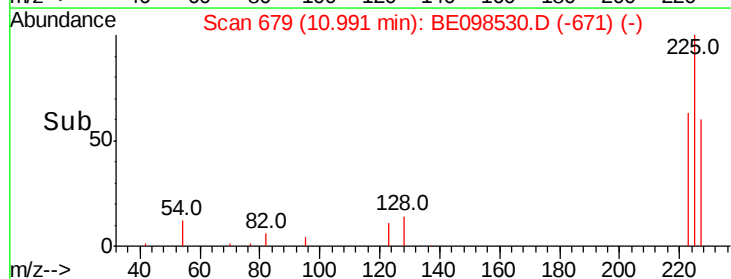
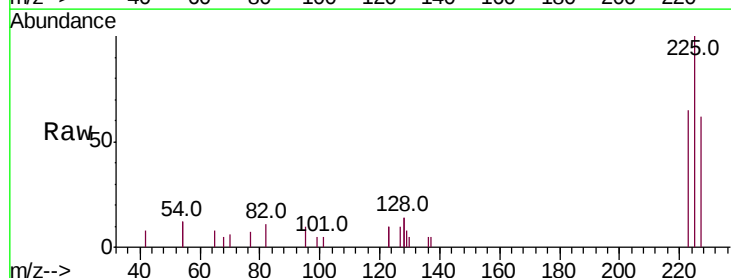
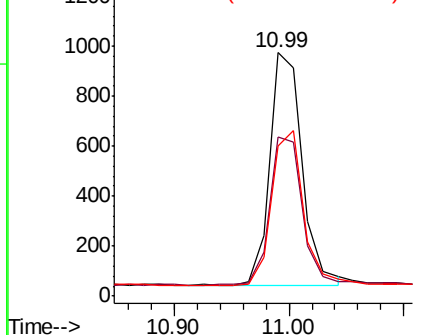
Acq: 19 Dec 2018 17:15

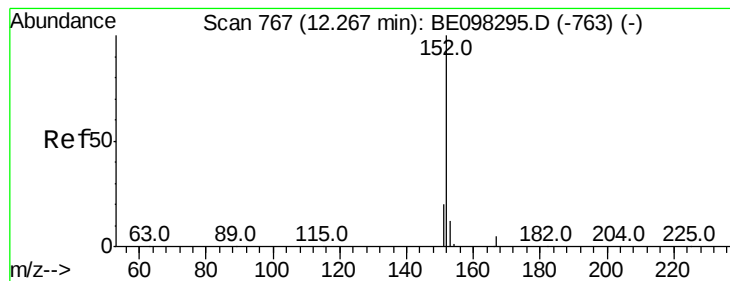
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1844 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.9  | 49.4  | 74.0 |
| 227       | 64.6  | 52.0  | 78.0 |

Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





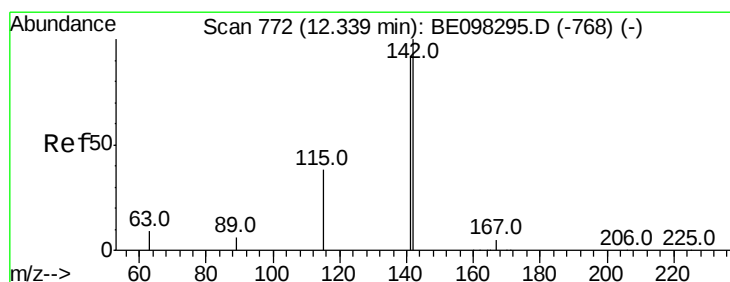
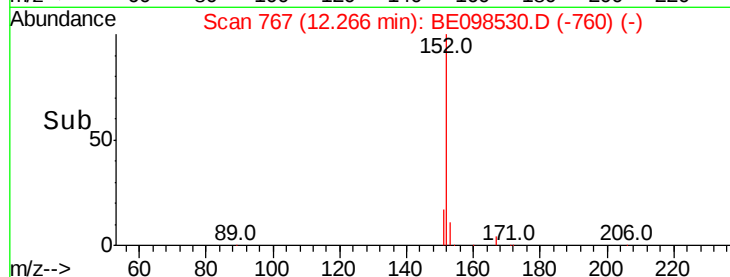
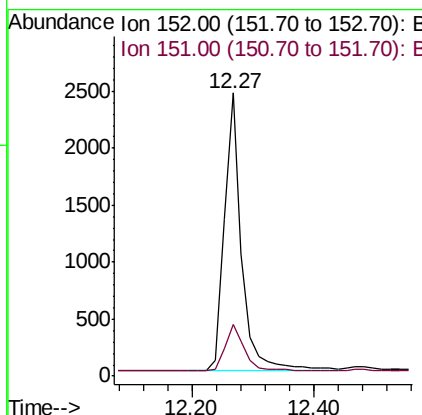
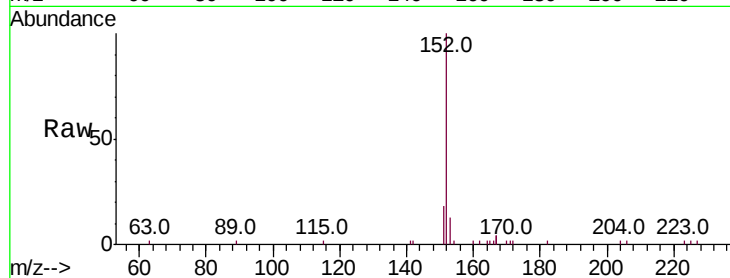
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.403 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BE098530.D  
 Acq: 19 Dec 2018 17:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.6  | 16.2  | 24.4  |

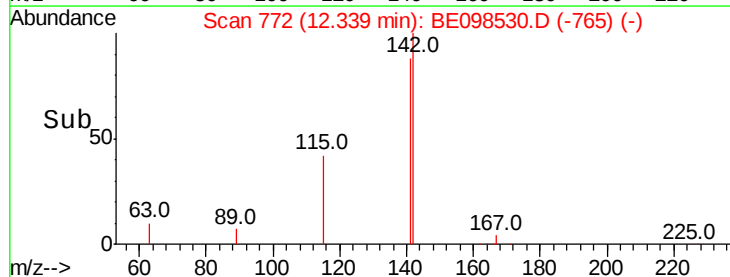
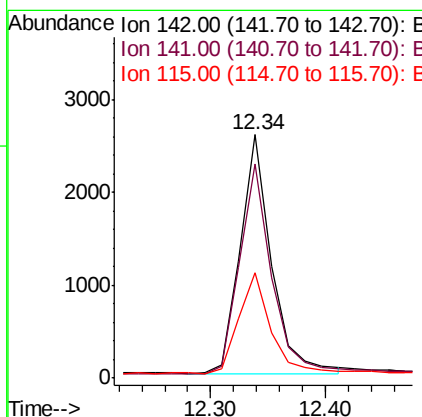
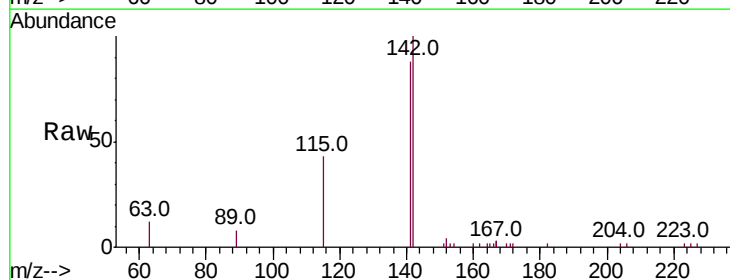
Manual Integrations  
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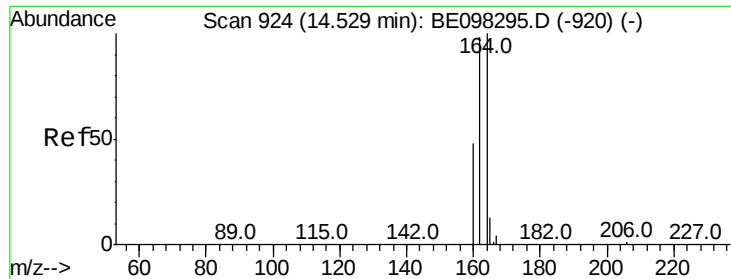
Sohil  
 12/20/2018 1:55:21 PM



#12  
 2-Methylnaphthalene  
 Concen: 0.395 ng  
 RT: 12.34 min Scan# 772  
 Delta R.T. -0.00 min  
 Lab File: BE098530.D  
 Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 71.0  | 106.6 |
| 115     | 43.2  | 32.2  | 48.2  |





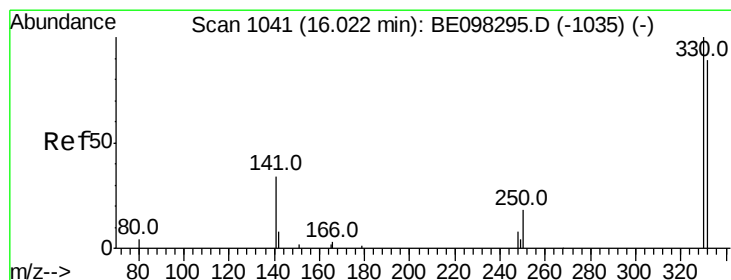
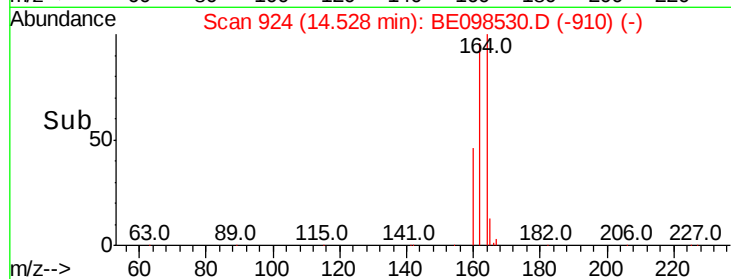
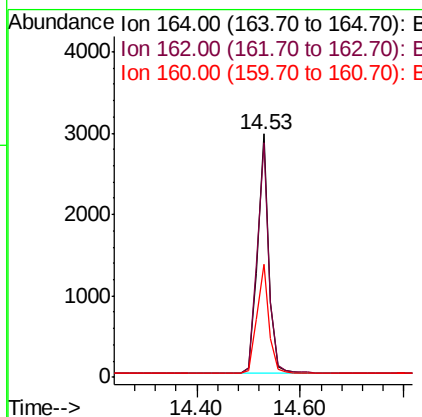
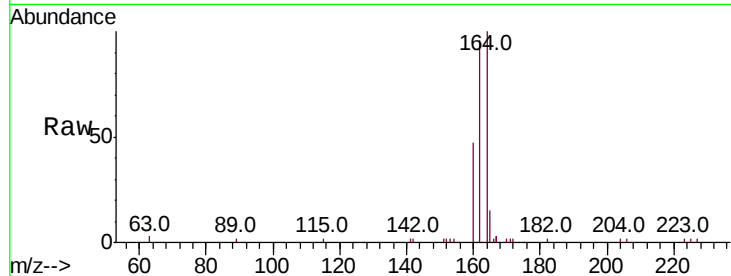
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.4  | 77.6  | 116.4 |
| 160     | 46.6  | 36.0  | 54.0  |

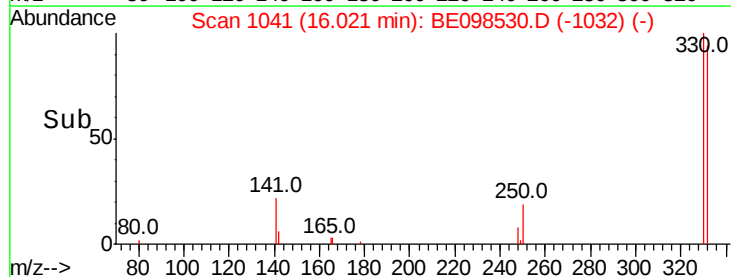
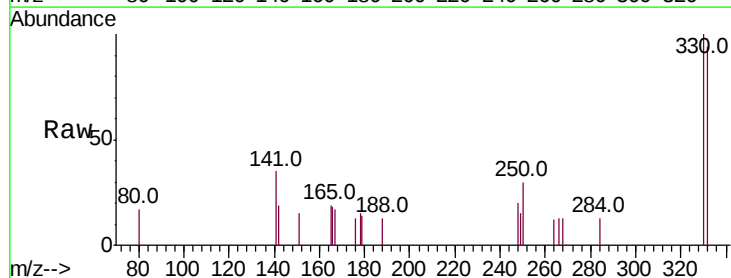
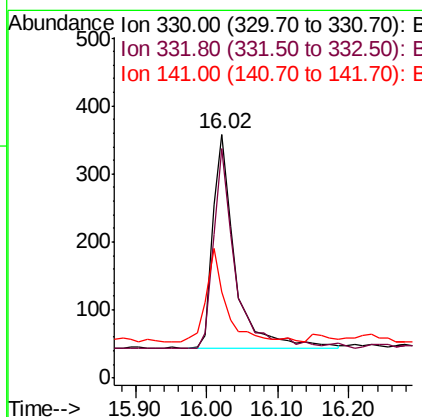
Manual Integrations  
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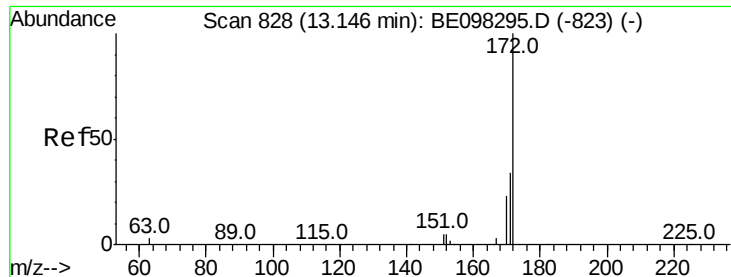
Sohil  
12/20/2018 1:55:21 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.407 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 91.4  | 76.2  | 114.4 |
| 141     | 39.0  | 39.0  | 58.4# |





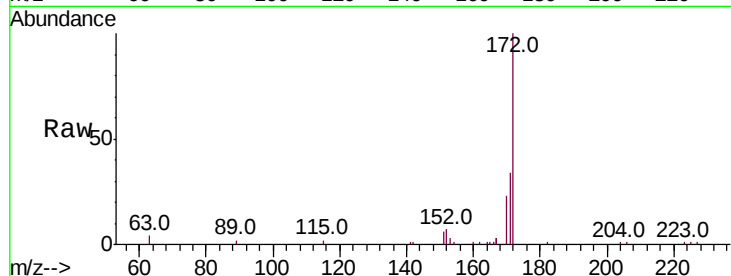
#15  
2-Fluorobiphenyl  
Concen: 0.394 ng  
RT: 13.15 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.2  | 27.5  | 41.3  |
| 170     | 23.1  | 19.6  | 29.4  |

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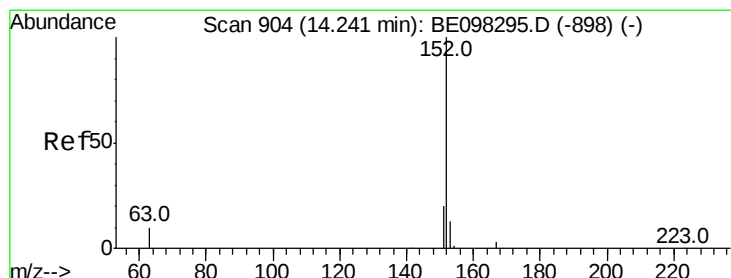
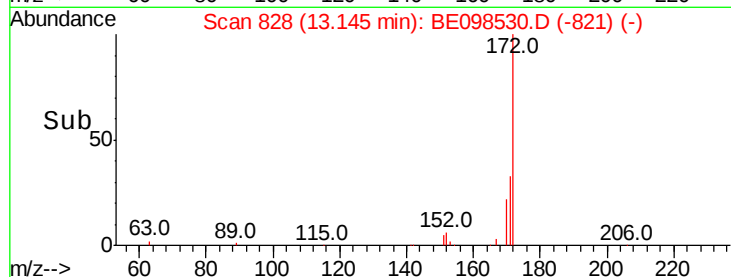
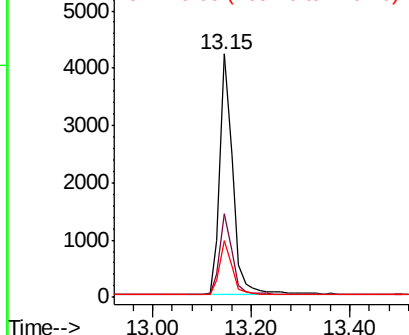


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 0.365 ng  
RT: 14.24 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

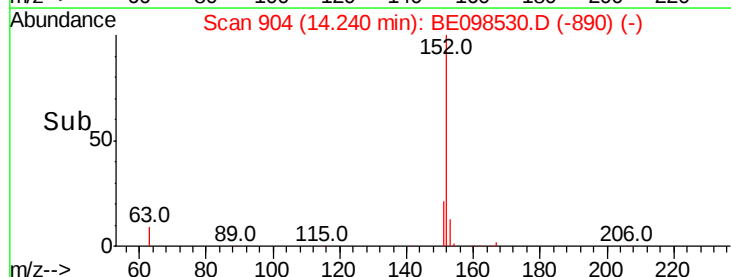
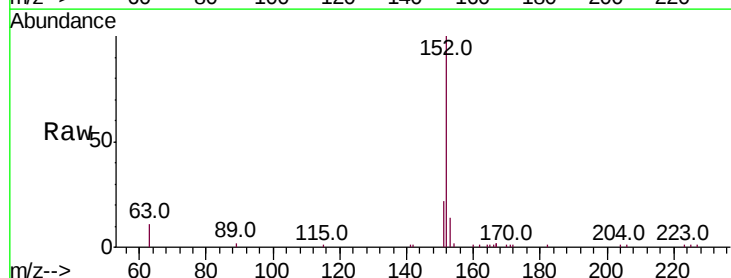
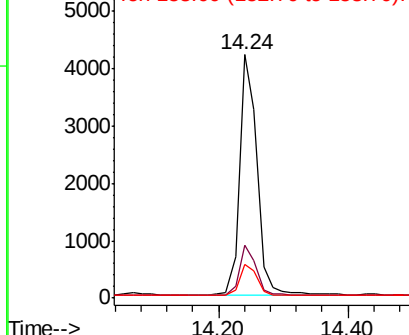
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.5  | 23.3  |
| 153     | 13.3  | 10.6  | 16.0  |

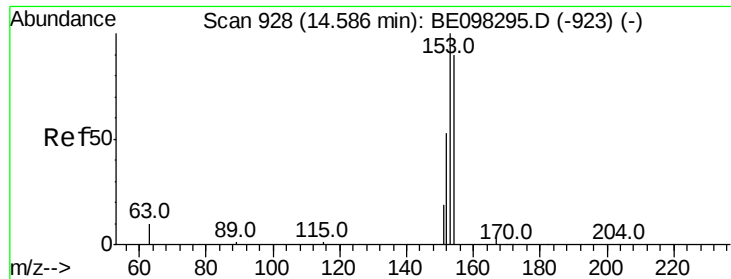
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





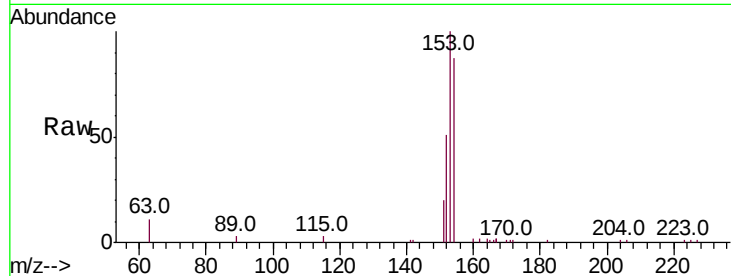
#17  
Acenaphthene  
Concen: 0.394 ng  
RT: 14.59 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.8 | 91.8  | 137.6 |
| 152     | 56.9  | 45.5  | 68.3  |

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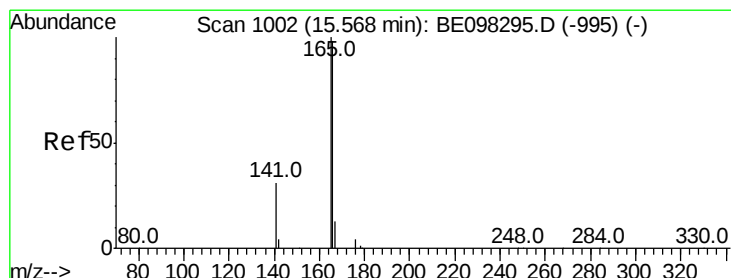
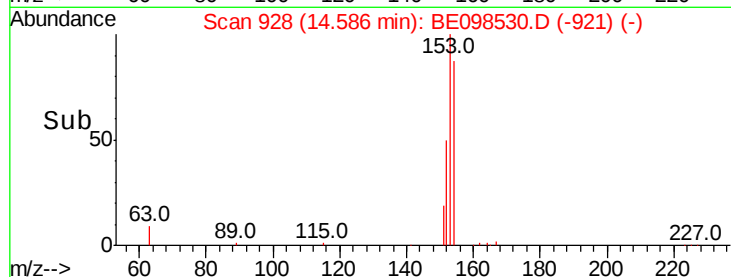
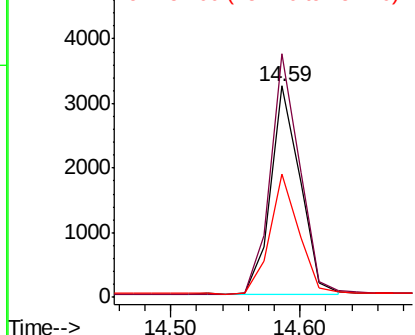


Abundance

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: 0.372 ng  
RT: 15.57 min Scan# 1002  
Delta R.T. -0.00 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

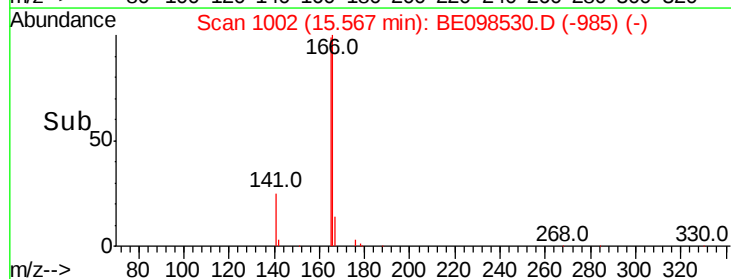
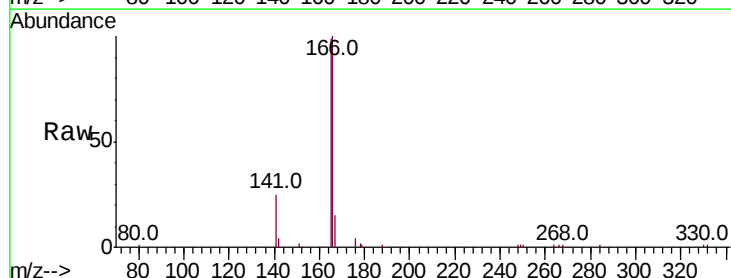
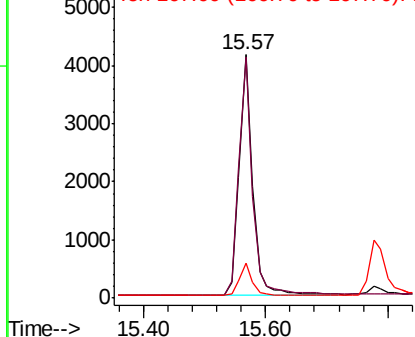
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.9  | 79.3  | 118.9 |
| 167     | 13.2  | 11.3  | 16.9  |

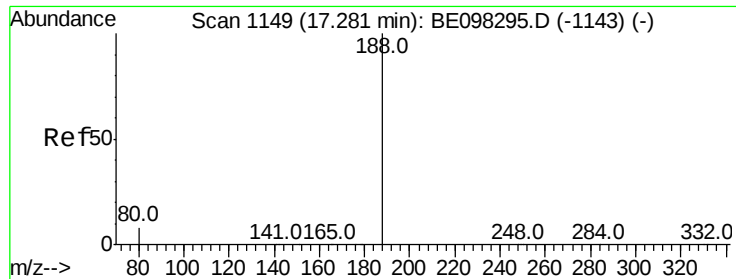
Abundance

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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098530.D

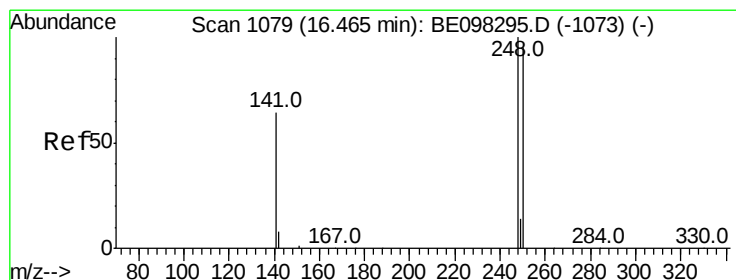
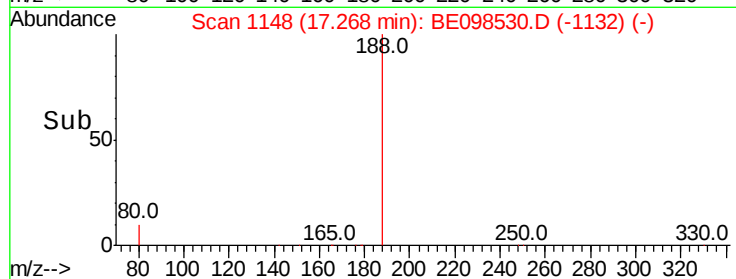
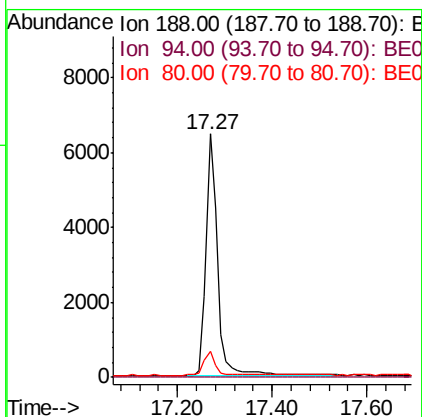
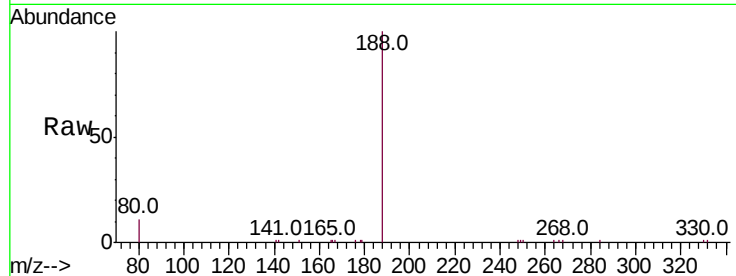
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 10.6  | 7.2   | 10.8  |

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#20

4-Bromophenyl-phenylether

Concen: 0.393 ng

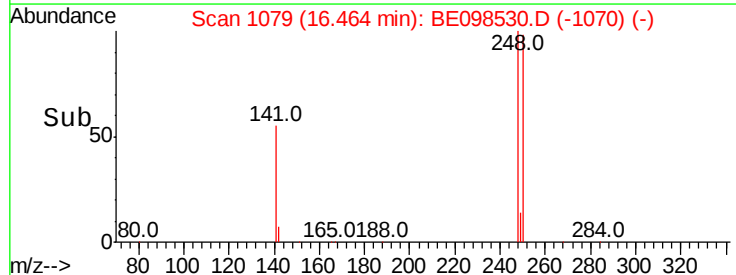
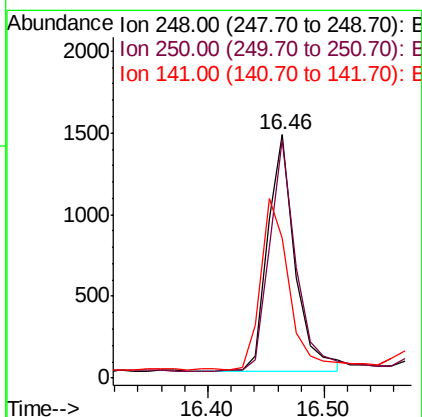
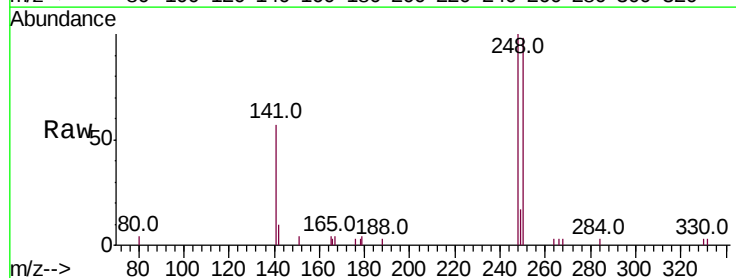
RT: 16.46 min Scan# 1079

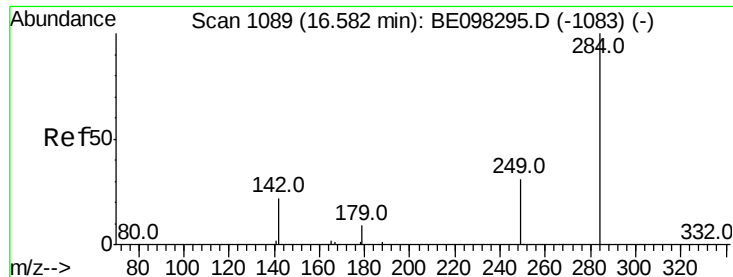
Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.8  | 71.0  | 106.6 |
| 141     | 57.4  | 62.1  | 93.1# |





#21

Hexachlorobenzene

Concen: 0.415 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

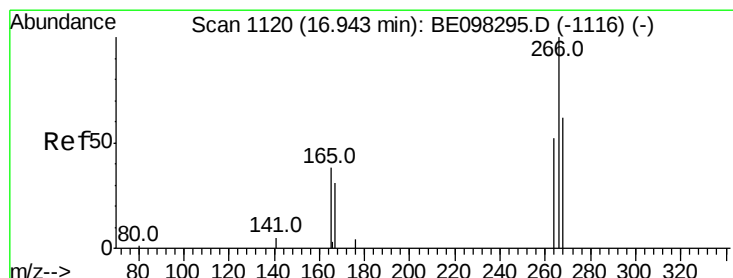
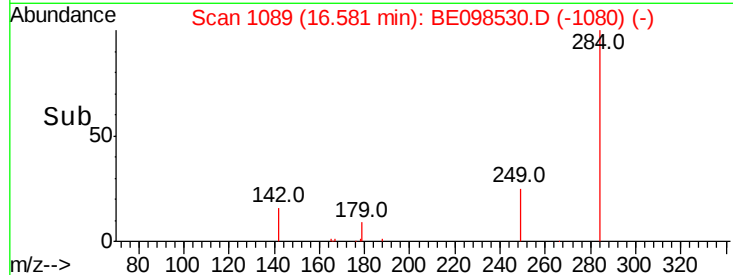
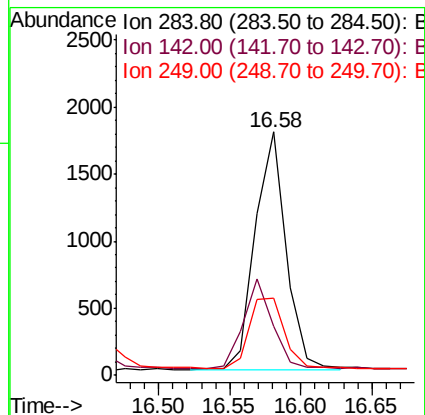
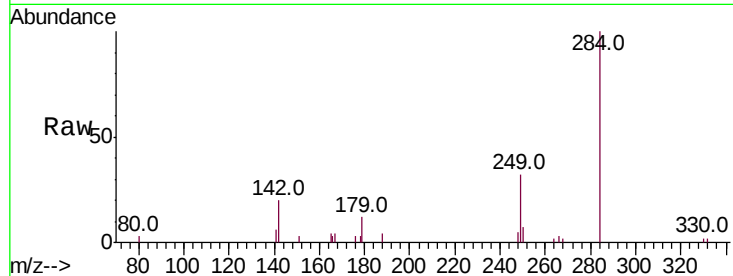
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 2663 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 35.4  | 26.3  | 39.5 |
| 249       | 33.8  | 26.0  | 39.0 |

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#22

Pentachlorophenol

Concen: 0.443 ng

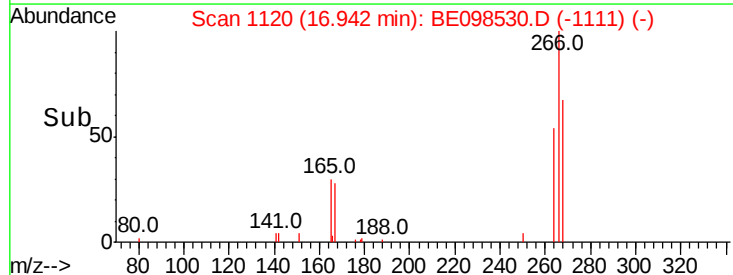
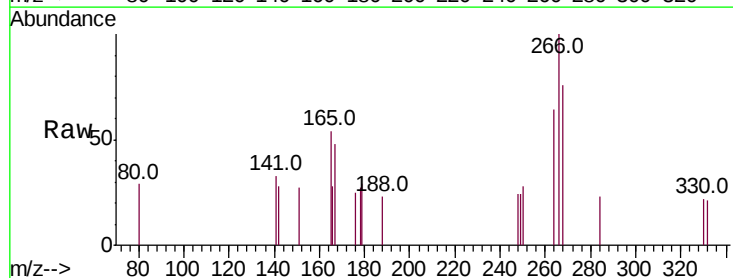
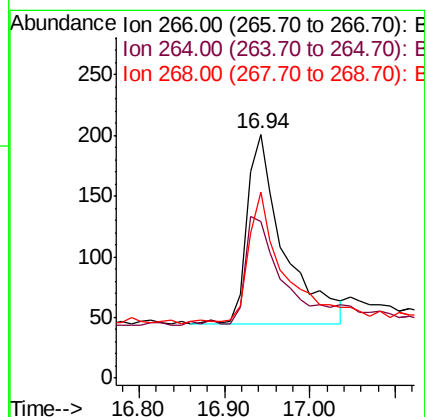
RT: 16.94 min Scan# 1120

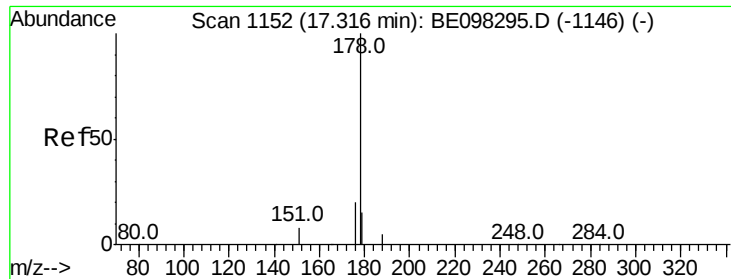
Delta R.T. 0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 465  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 64.2  | 59.0  | 88.4 |
| 268       | 76.1  | 55.1  | 82.7 |





#23

Phenanthrene

Concen: 0.390 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

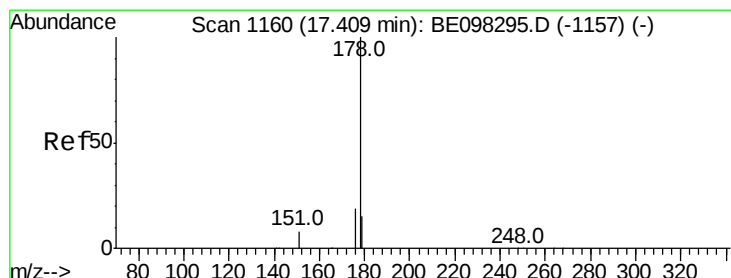
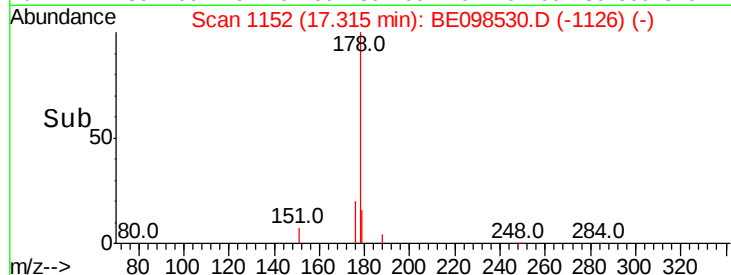
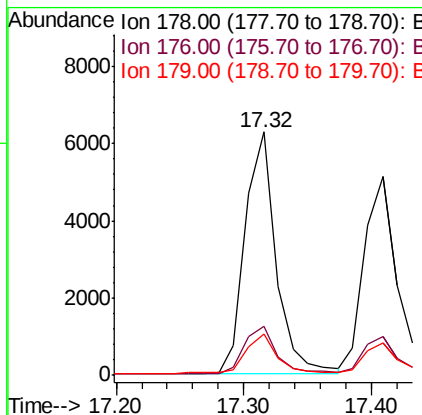
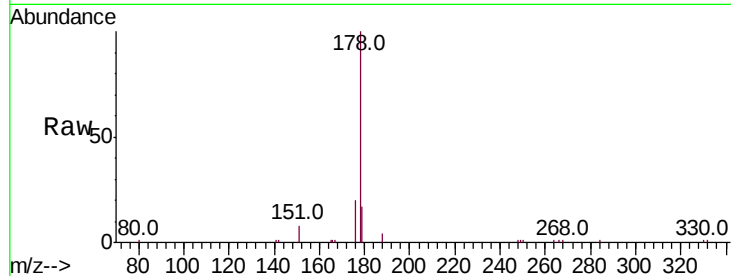
ClientSampleId :

SSTDCCC0.4EC

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 10531     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 20.0  | 15.9 23.9 |
| 179         | 16.5  | 12.3 18.5 |

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#24

Anthracene

Concen: 0.368 ng

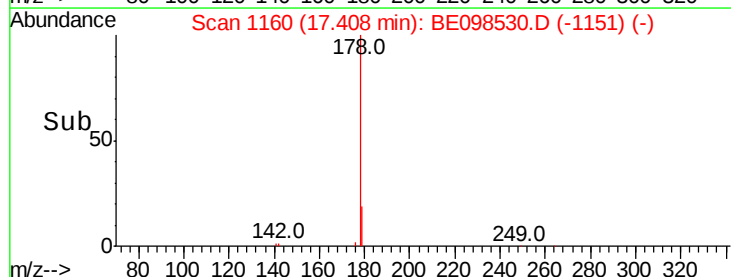
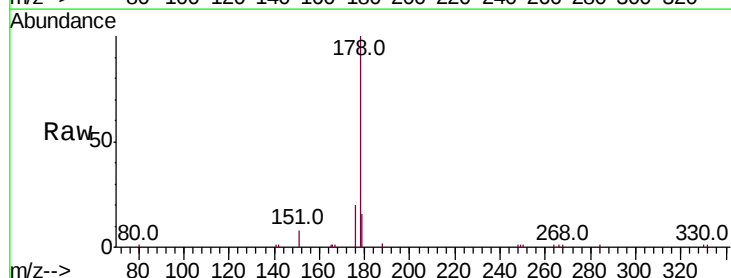
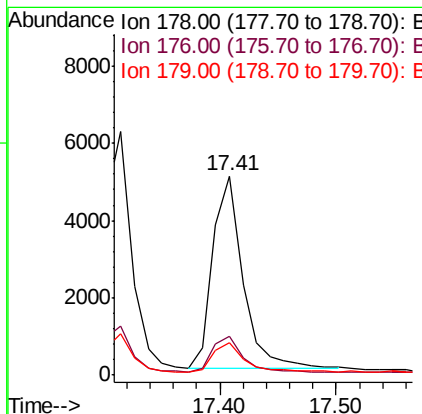
RT: 17.41 min Scan# 1160

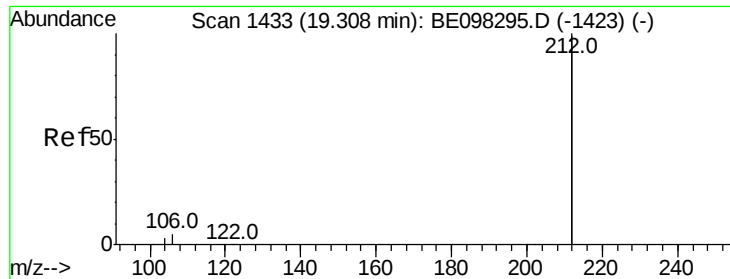
Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 8856      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.7  | 15.0 22.4 |
| 179         | 16.0  | 12.3 18.5 |





#25

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

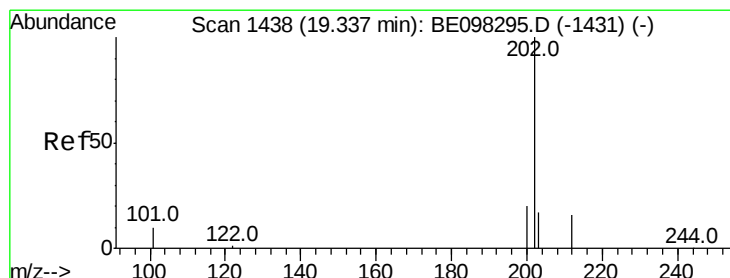
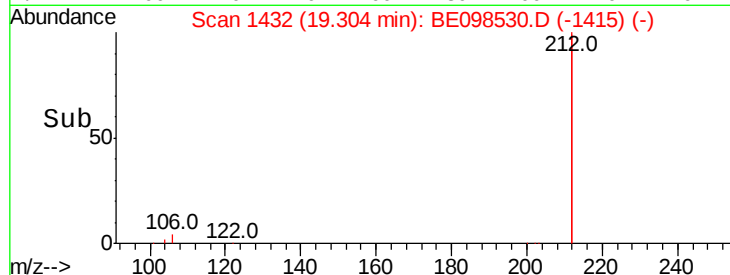
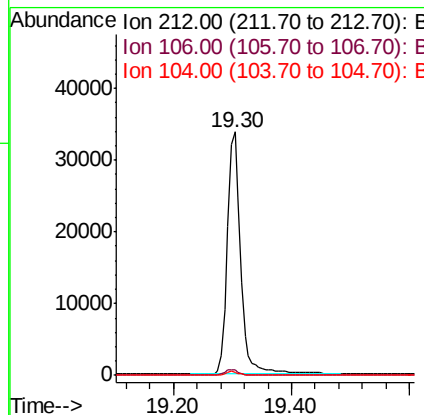
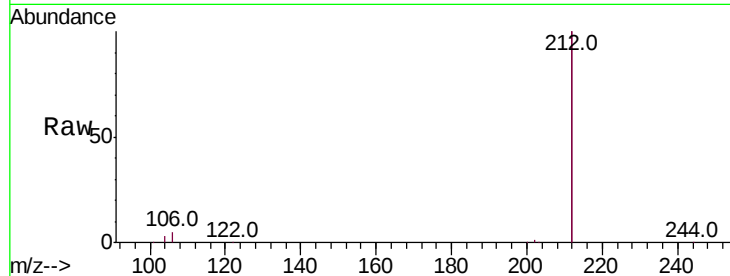
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 53078 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.3   | 2.2   | 3.2   |
| 104       | 1.3   | 1.3   | 1.9   |

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#26

Fluoranthene

Concen: 0.370 ng

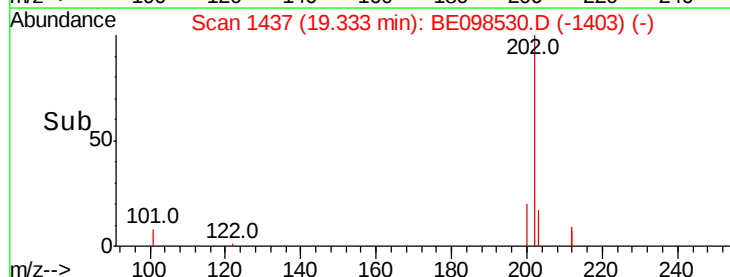
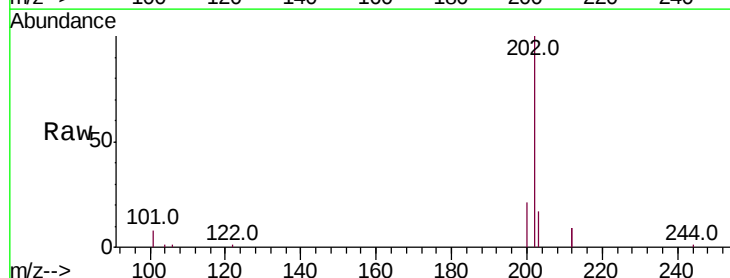
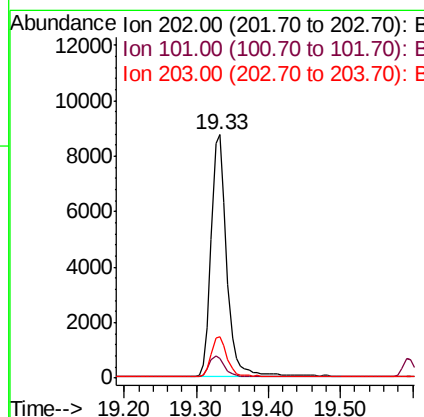
RT: 19.33 min Scan# 1437

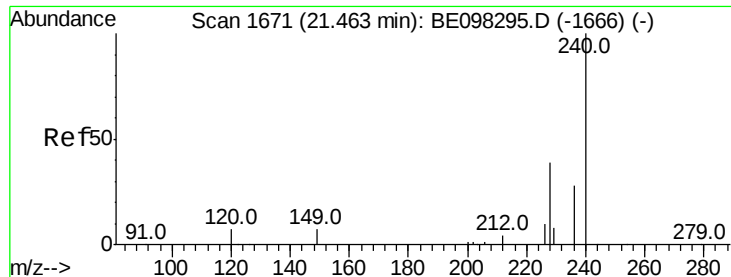
Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 13194 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.8   | 8.0   | 12.0  |
| 203       | 16.5  | 13.8  | 20.6  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

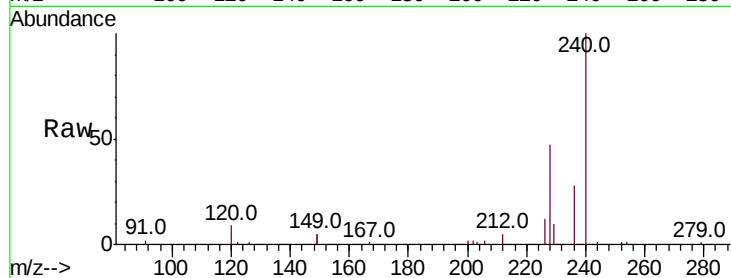
ClientSampleID :

SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.6   | 9.5   | 14.3# |
| 236     | 27.9  | 22.7  | 34.1  |

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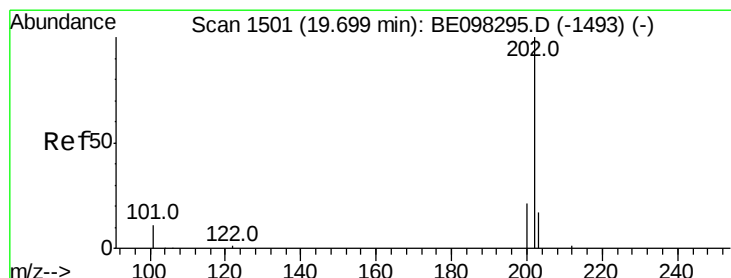
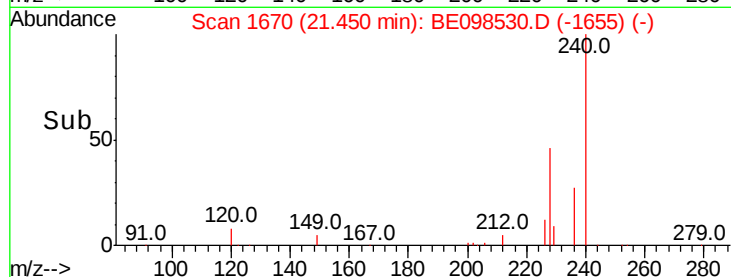
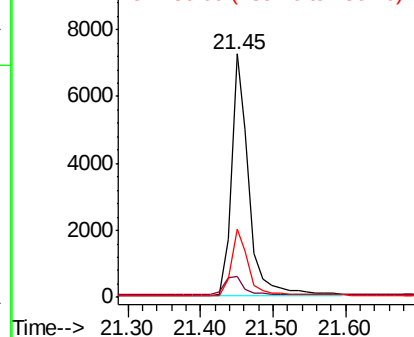


Abundance

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: 0.361 ng

RT: 19.69 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

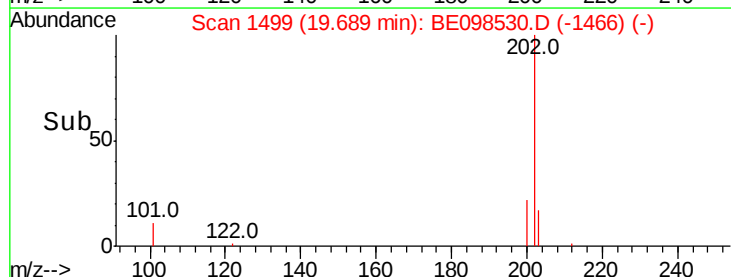
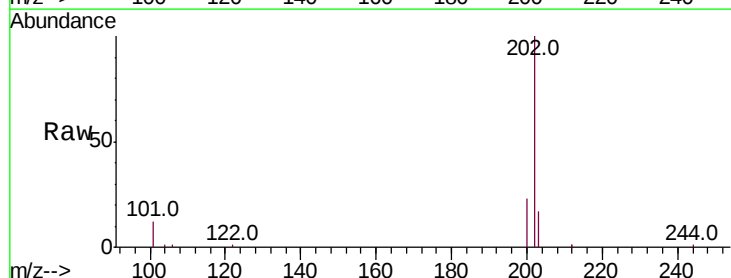
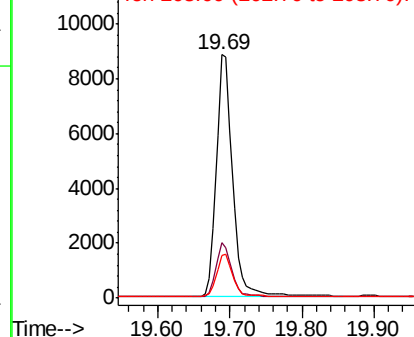
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.7  | 16.7  | 25.1  |
| 203     | 17.0  | 14.1  | 21.1  |

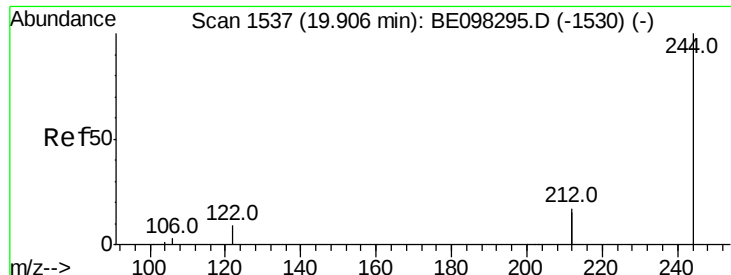
Abundance

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: 0.358 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

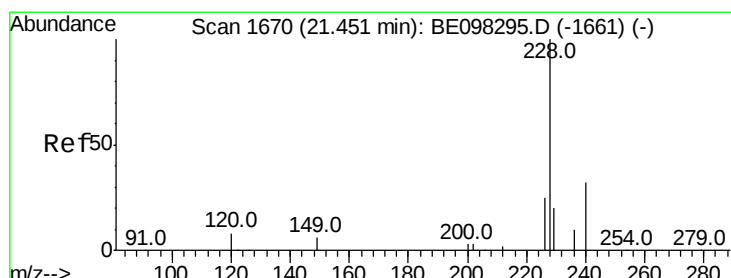
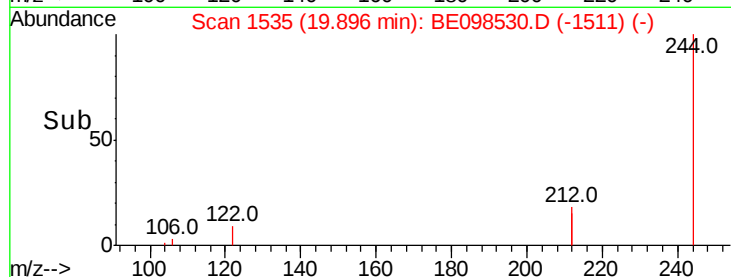
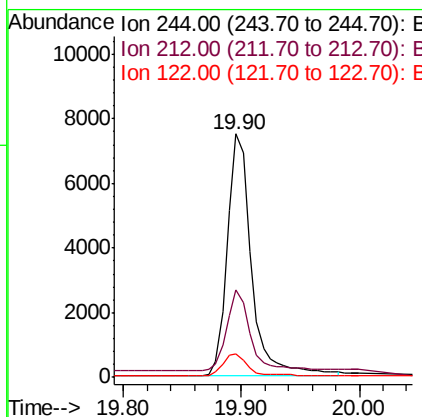
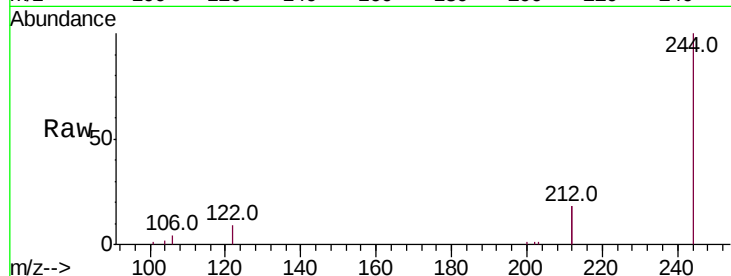
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 10697 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 35.7  | 27.4  | 41.0  |
| 122       | 9.4   | 8.3   | 12.5  |

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#30

Benzo(a)anthracene

Concen: 0.368 ng

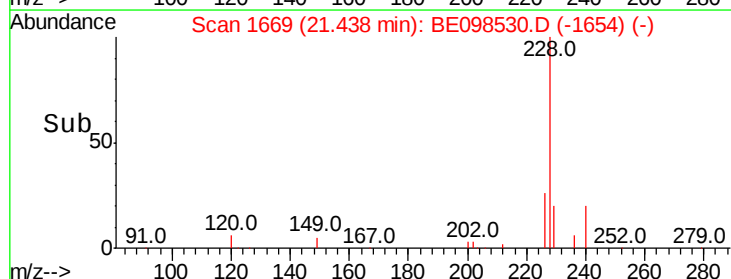
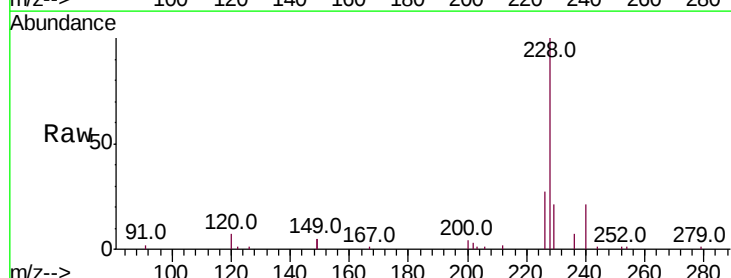
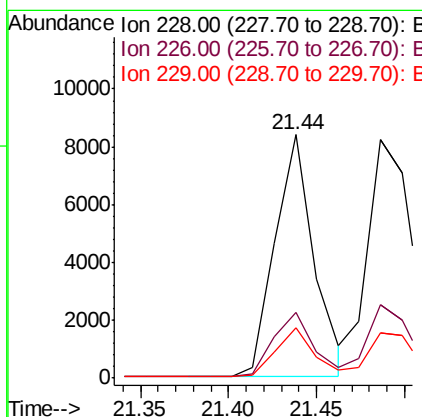
RT: 21.44 min Scan# 1669

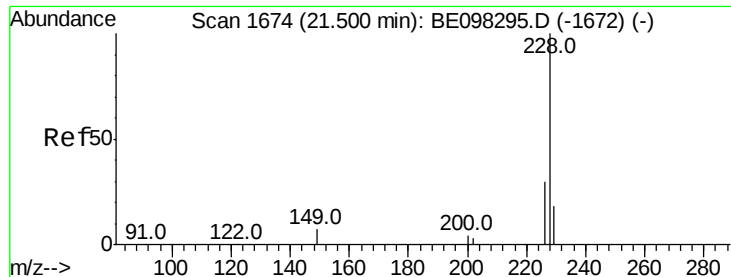
Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 12873 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 27.0  | 21.8  | 32.8  |
| 229       | 20.7  | 16.3  | 24.5  |





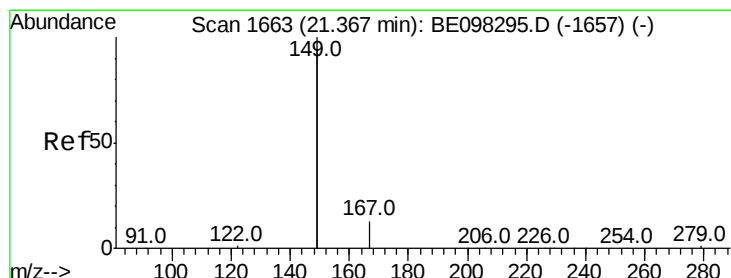
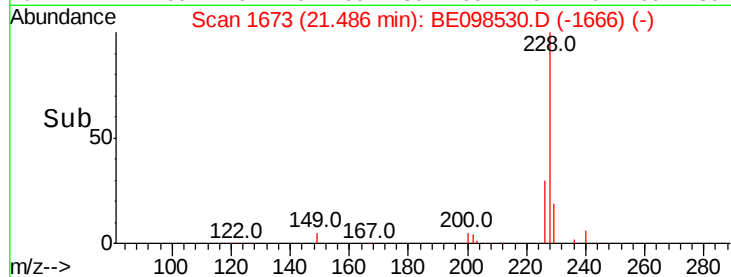
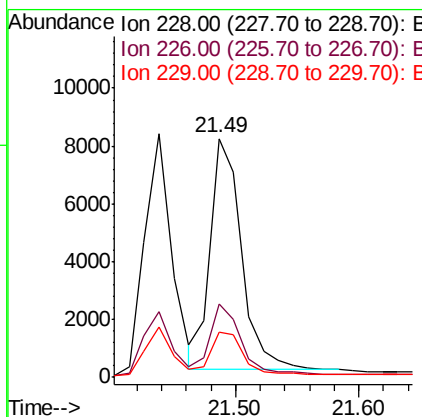
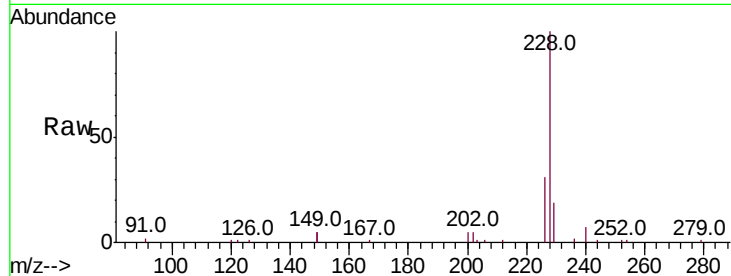
#31  
Chrysene  
Concen: 0.388 ng  
RT: 21.49 min Scan# 1673  
Delta R.T. -0.01 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 23.4  | 35.0  |
| 229     | 19.1  | 16.2  | 24.4  |

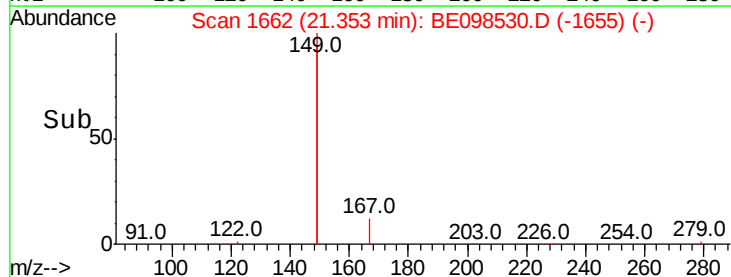
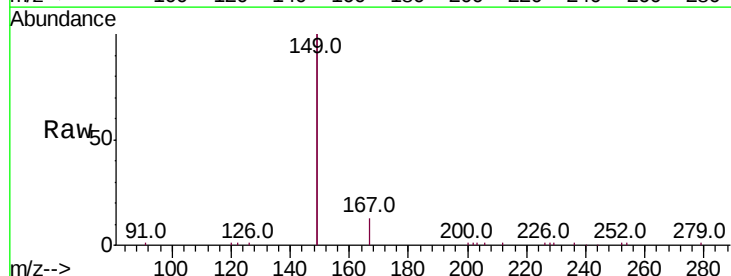
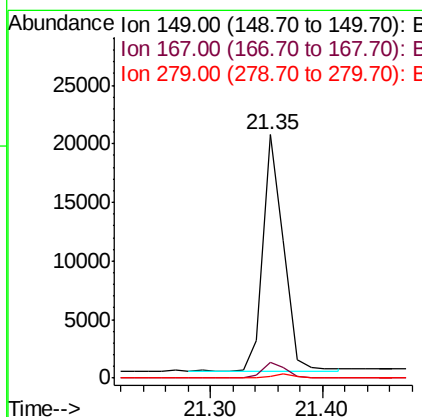
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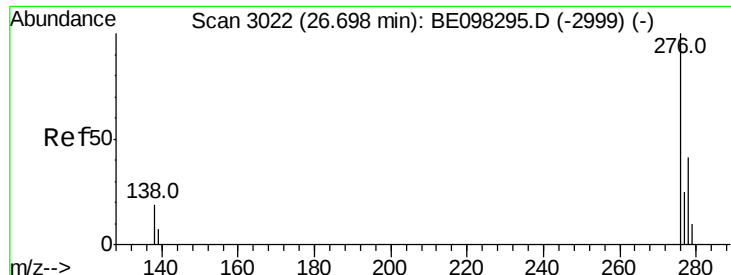
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.363 ng  
RT: 21.35 min Scan# 1662  
Delta R.T. -0.01 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 6.7   | 5.7   | 8.5   |
| 279     | 1.1   | 1.0   | 1.4   |





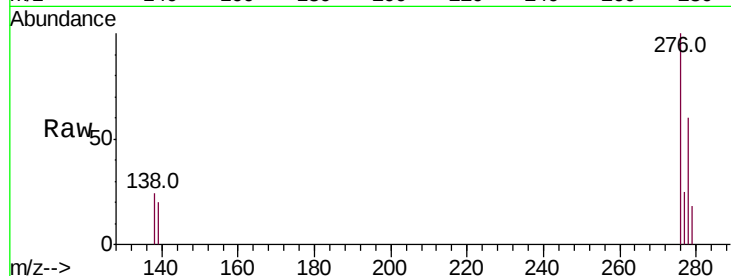
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.261 ng  
 RT: 26.68 min Scan# 3018  
 Delta R.T. -0.01 min  
 Lab File: BE098530.D  
 Acq: 19 Dec 2018 17:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.3  | 16.3  | 24.5  |
| 277     | 26.8  | 20.2  | 30.4  |

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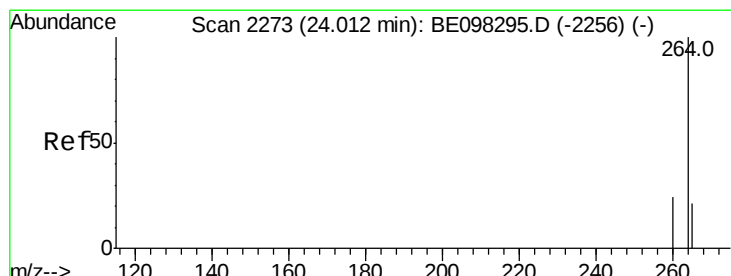
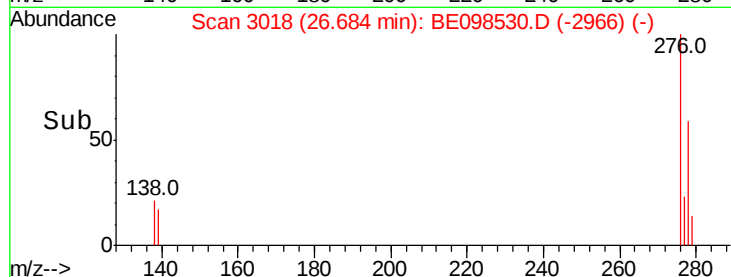
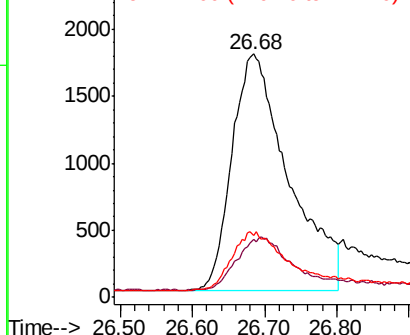


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.00 min Scan# 2269  
 Delta R.T. -0.01 min  
 Lab File: BE098530.D  
 Acq: 19 Dec 2018 17:15

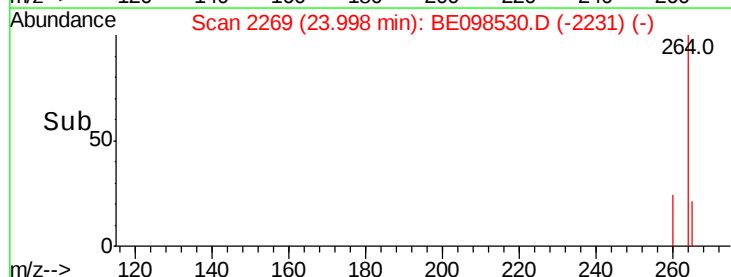
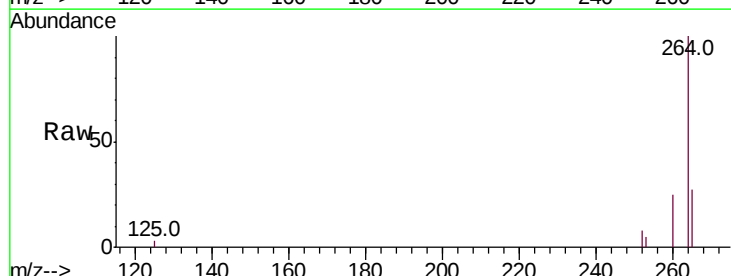
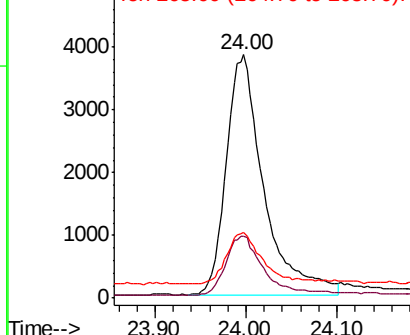
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 20.2  | 30.2  |
| 265     | 27.0  | 25.2  | 37.8  |

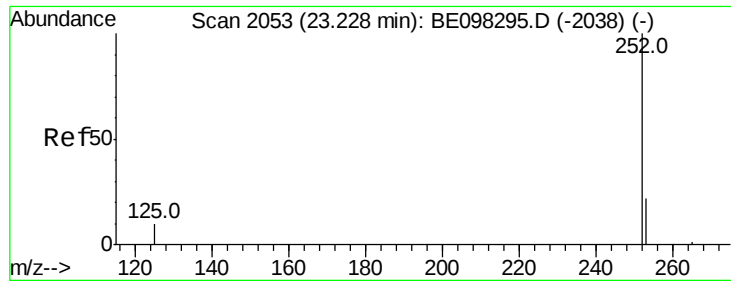
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





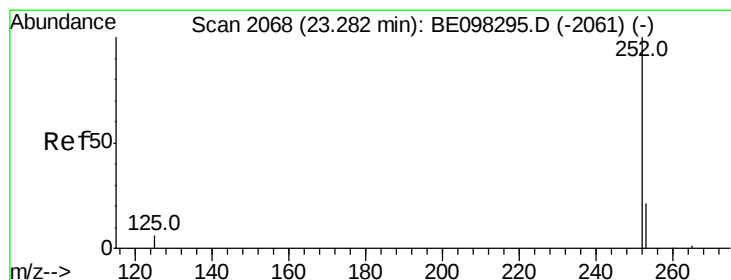
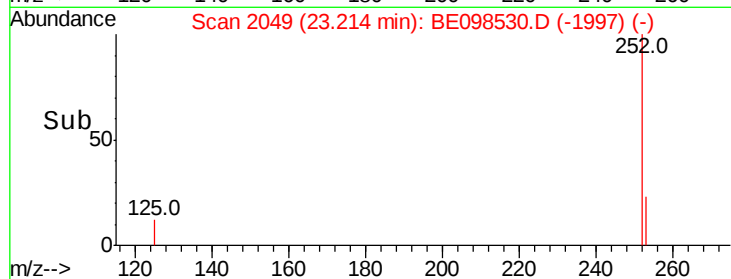
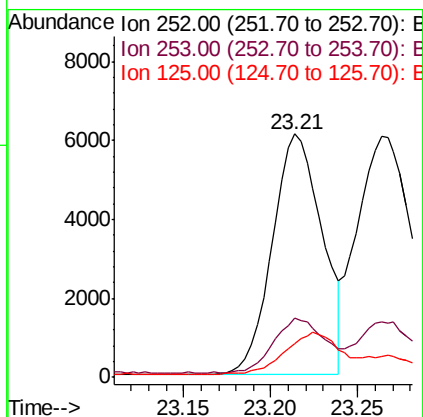
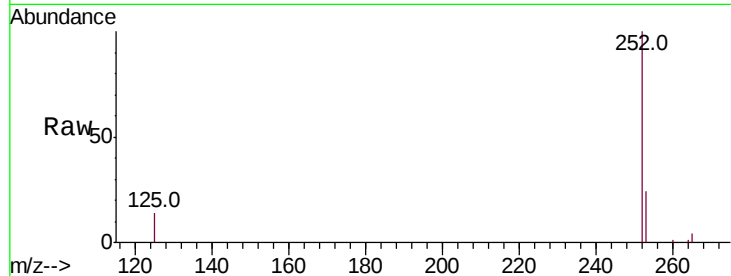
#35  
Benzo(b)fluoranthene  
Concen: 0.401 ng  
RT: 23.21 min Scan# 2049  
Delta R.T. -0.01 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 20.0  | 30.0  |
| 125     | 13.7  | 9.6   | 14.4  |

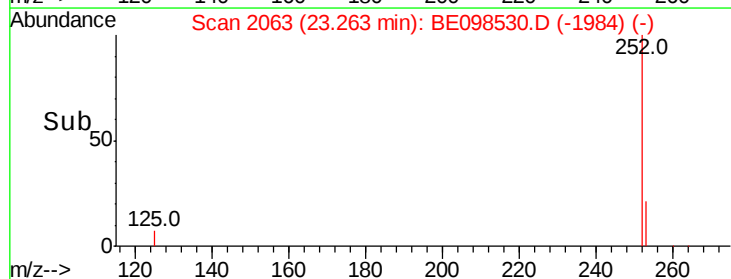
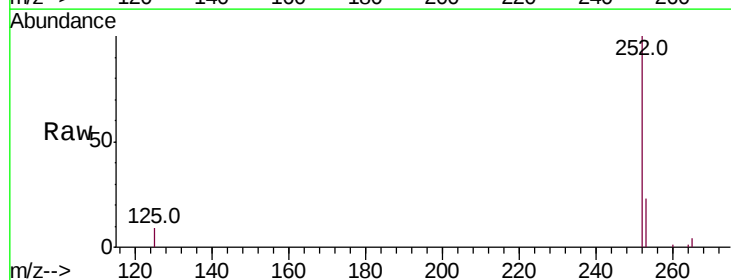
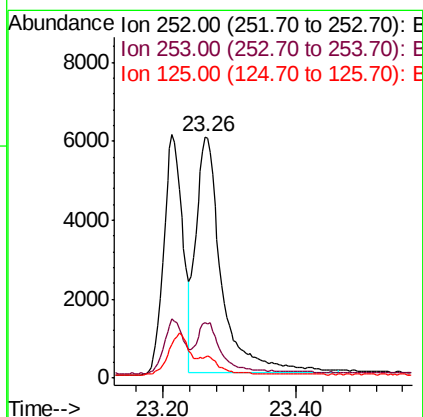
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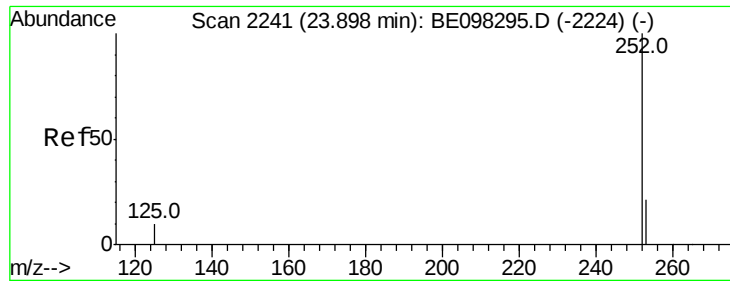
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#36  
Benzo(k)fluoranthene  
Concen: 0.456 ng m  
RT: 23.26 min Scan# 2063  
Delta R.T. -0.02 min  
Lab File: BE098530.D  
Acq: 19 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 19.0  | 28.6  |
| 125     | 8.6   | 9.1   | 13.7# |





#37

Benzo(a)pyrene

Concen: 0.401 ng

RT: 23.88 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

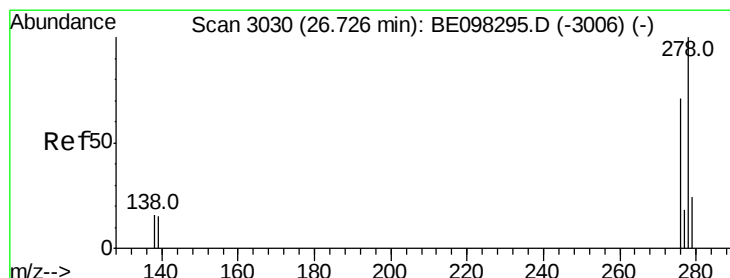
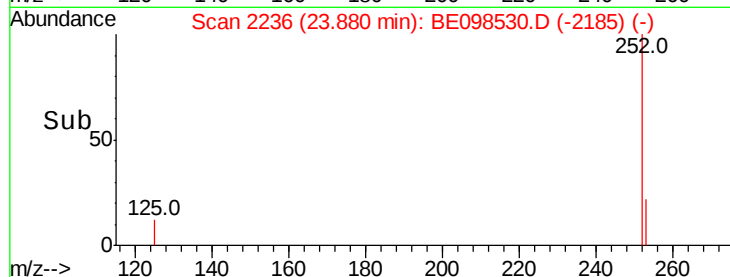
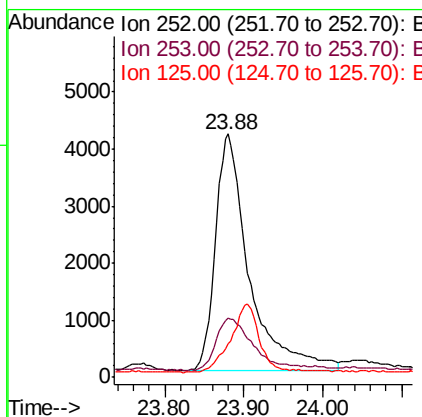
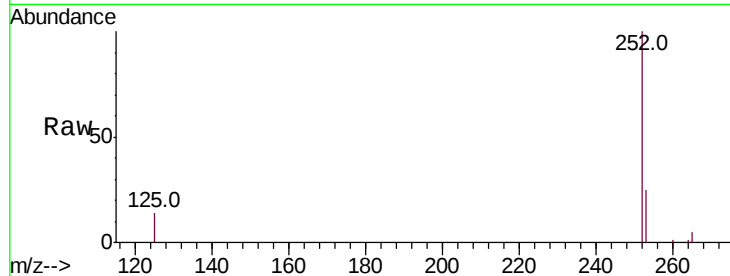
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 12435 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.5  | 20.6  | 30.8  |
| 125       | 13.6  | 10.5  | 15.7  |

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#38

Dibenzo(a,h)anthracene

Concen: 0.312 ng

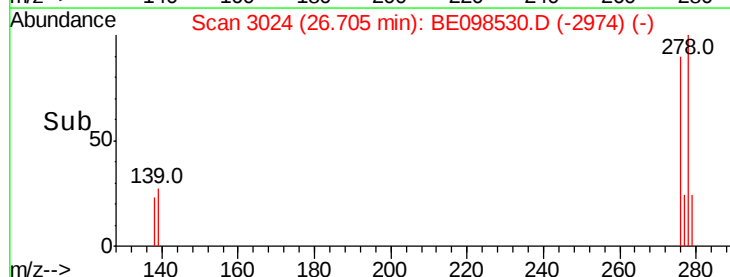
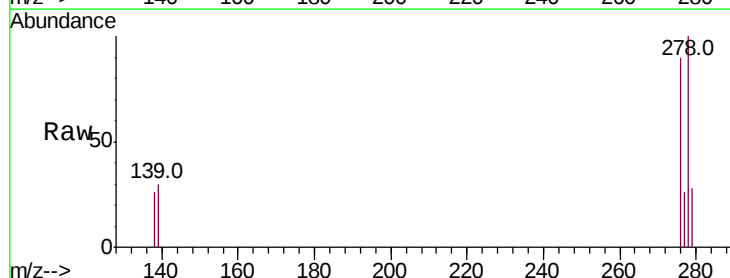
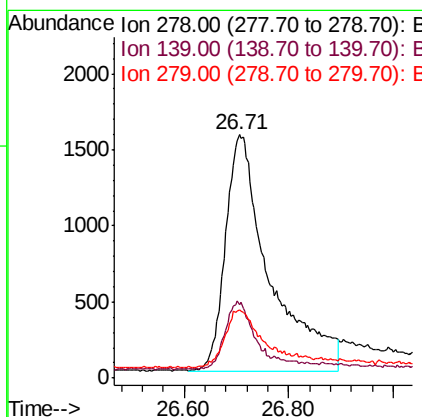
RT: 26.71 min Scan# 3024

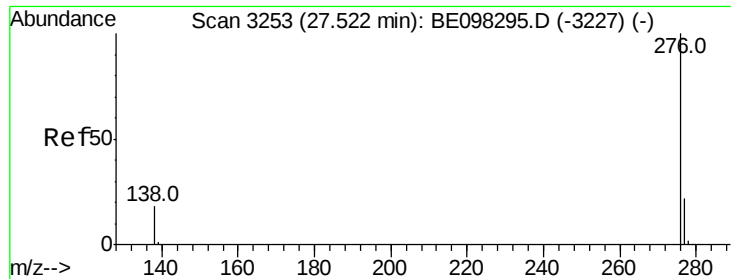
Delta R.T. -0.02 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 9129  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 29.9  | 14.5  | 21.7# |
| 279       | 28.1  | 21.8  | 32.8  |





#39

Benzo(a,h,i)perylene

Concen: 0.245 ng

RT: 27.50 min Scan# 3248

Delta R.T. -0.02 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 7228 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 26.2  | 20.8  | 31.2 |
| 138       | 19.2  | 15.8  | 23.6 |

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