

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121518\  
 Data File : BE098487.D  
 Acq On : 16 Dec 2018 1:05  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 12/16/2018 2:03:33 PM

Quant Time: Dec 16 03:03:45 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  | 836      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.65 | 136  | 3698     | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.52 | 164  | 2300     | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.27 | 188  | 6125     | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.45 | 240  | 7365     | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 24.00 | 264  | 6673     | 0.40  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.46  | 112  | 898      | 0.46  | ng    | 0.01     |
| 5) Phenol-d6                   | 7.04  | 99   | 1237     | 0.45  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.03  | 82   | 1271     | 0.38  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 12.25 | 152  | 2439     | 0.41  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 16.02 | 330  | 376      | 0.45  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.15 | 172  | 4052     | 0.42  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.30 | 212  | 32366    | 0.41  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.90 | 244  | 5975     | 0.33  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.37  | 88   | 515      | 0.356 | ng    | 92       |
| 3) n-Nitrosodimethylamine      | 3.70  | 42   | 458m     | 0.352 | ng    |          |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93   | 848      | 0.322 | ng    | 97       |
| 9) Naphthalene                 | 10.71 | 128  | 15519    | 0.417 | ng    | 99       |
| 10) Hexachlorobutadiene        | 10.99 | 225  | 1134     | 0.479 | ng    | 99       |
| 12) 2-Methylnaphthalene        | 12.34 | 142  | 2308     | 0.382 | ng    | 95       |
| 16) Acenaphthylene             | 14.24 | 152  | 4546     | 0.422 | ng    | 98       |
| 17) Acenaphthene               | 14.59 | 154  | 2619     | 0.405 | ng    | # 92     |
| 18) Fluorene                   | 15.57 | 166  | 3539     | 0.409 | ng    | 97       |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248  | 1238     | 0.376 | ng    | # 82     |
| 21) Hexachlorobenzene          | 16.58 | 284  | 1535     | 0.433 | ng    | 92       |
| 22) Pentachlorophenol          | 16.94 | 266  | 299m     | 0.505 | ng    |          |
| 23) Phenanthrene               | 17.31 | 178  | 6062     | 0.407 | ng    | 100      |
| 24) Anthracene                 | 17.41 | 178  | 4687     | 0.353 | ng    | 98       |
| 26) Fluoranthene               | 19.33 | 202  | 8221     | 0.417 | ng    | 98       |
| 28) Pyrene                     | 19.69 | 202  | 8937     | 0.387 | ng    | 99       |
| 30) Benzo(a)anthracene         | 21.44 | 228  | 7332     | 0.350 | ng    | 98       |
| 31) Chrysene                   | 21.50 | 228  | 9070     | 0.413 | ng    | 98       |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 10911m   | 0.256 | ng    |          |
| 33) Indeno(1,2,3-cd)pyrene     | 26.69 | 276  | 8726     | 0.399 | ng    | # 85     |
| 35) Benzo(b)fluoranthene       | 23.22 | 252  | 7793m    | 0.427 | ng    |          |
| 36) Benzo(k)fluoranthene       | 23.27 | 252  | 9840     | 0.463 | ng    | 98       |
| 37) Benzo(a)pyrene             | 23.89 | 252  | 7672m    | 0.407 | ng    |          |
| 38) Dibenzo(a,h)anthracene     | 26.72 | 278  | 6570     | 0.370 | ng    | # 95     |
| 39) Benzo(g,h,i)perylene       | 27.51 | 276  | 7550     | 0.422 | ng    | 99       |

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

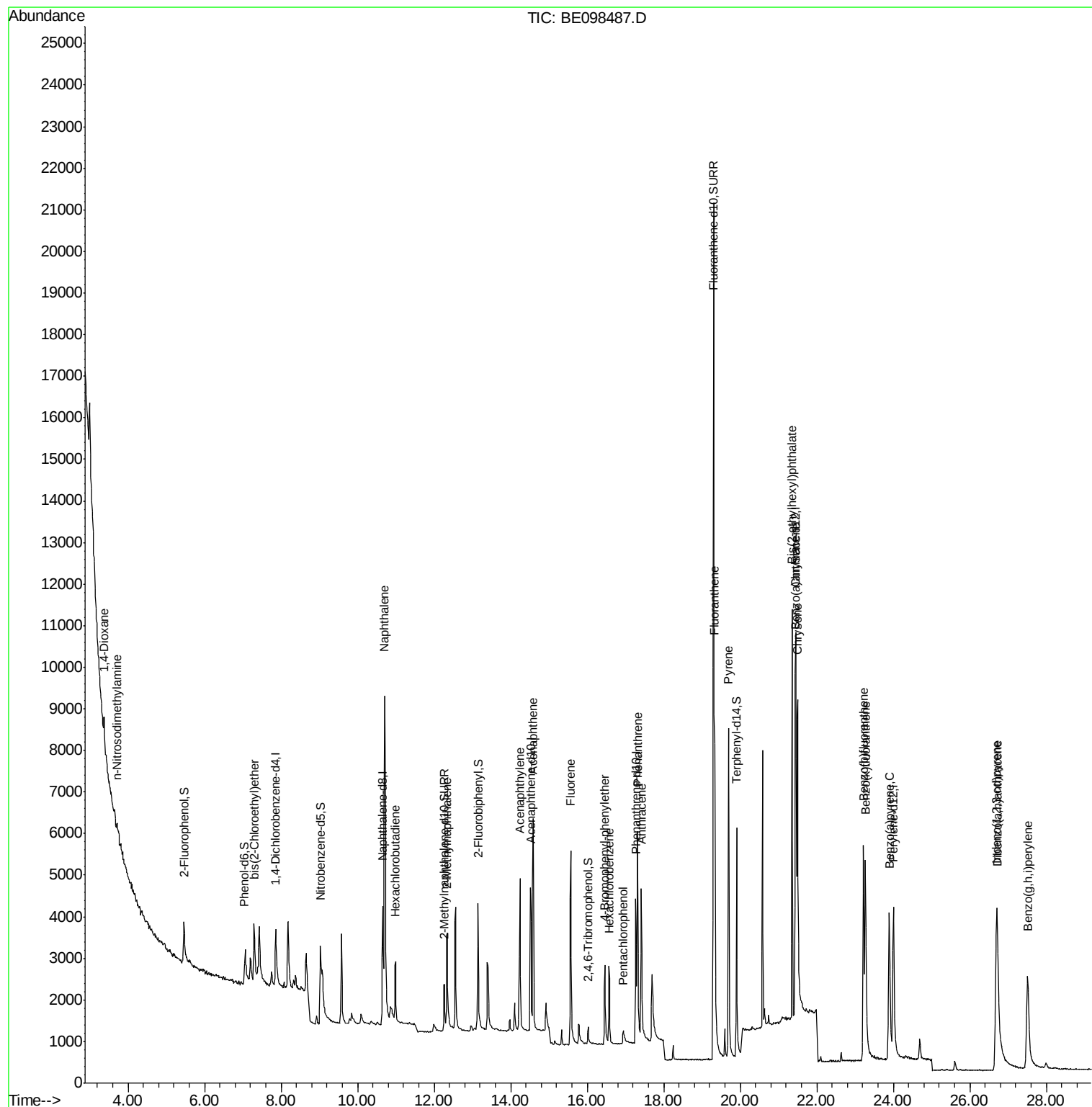
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121518\  
Data File : BE098487.D  
Acq On : 16 Dec 2018 1:05  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Manual Integrations  
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12/16/2018 2:03:33 PM

Quant Time: Dec 16 03:03:45 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

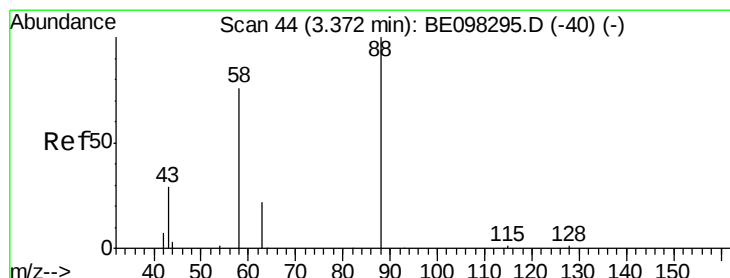
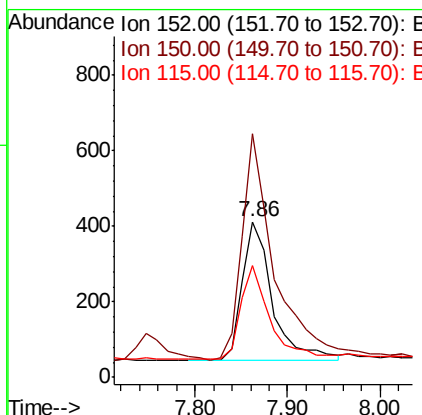
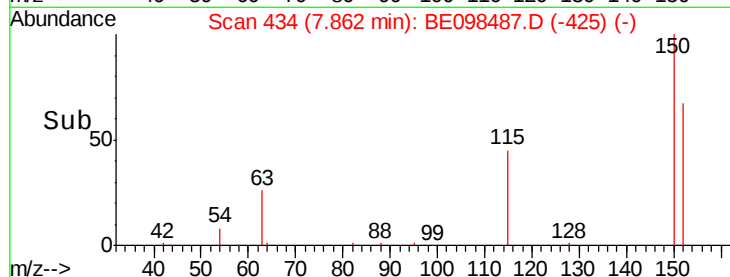
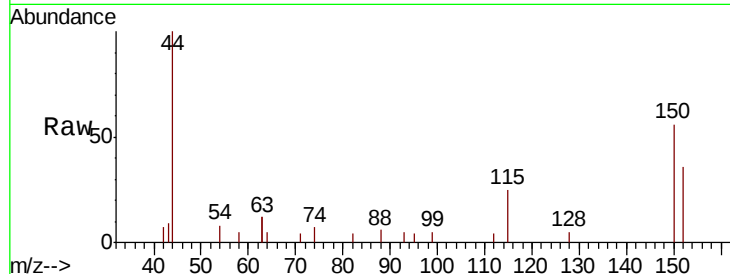
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 124.2 | 186.4 |
| 115     | 71.4  | 53.9  | 80.9  |

Manual Integrations  
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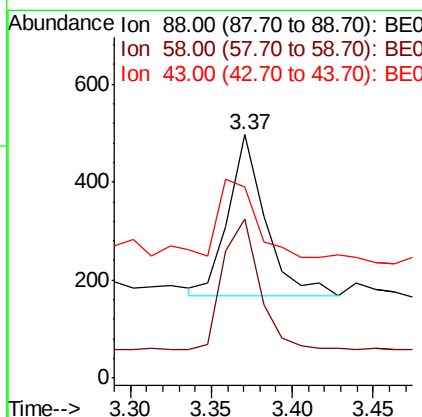
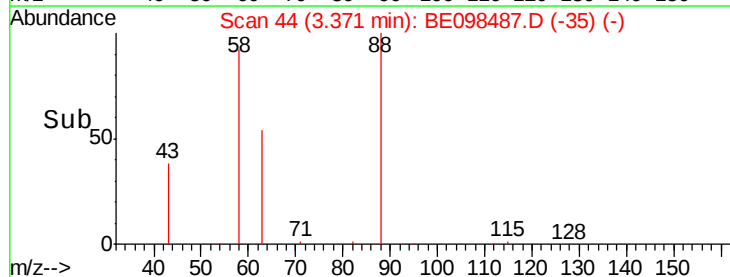
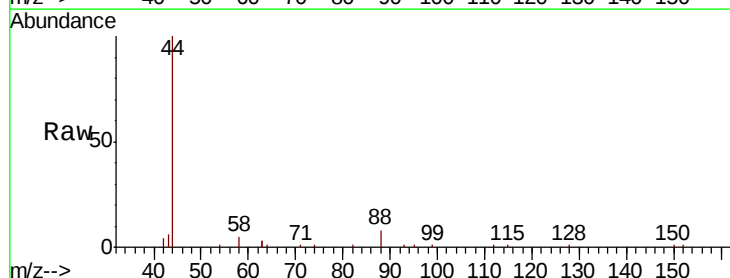
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#2

1,4-Dioxane  
Concen: 0.356 ng  
RT: 3.37 min Scan# 44  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 82.3  | 75.0  | 112.6 |
| 43      | 48.2  | 38.3  | 57.5  |





#3

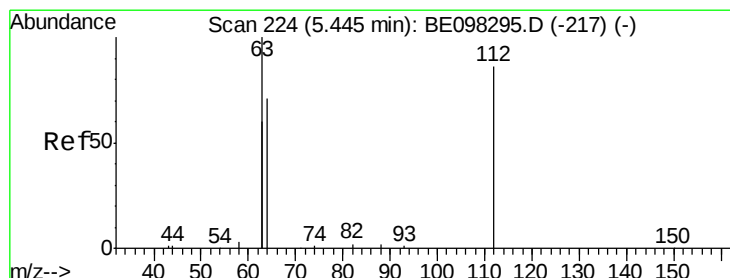
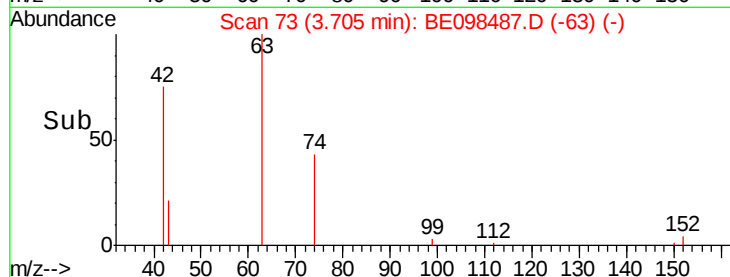
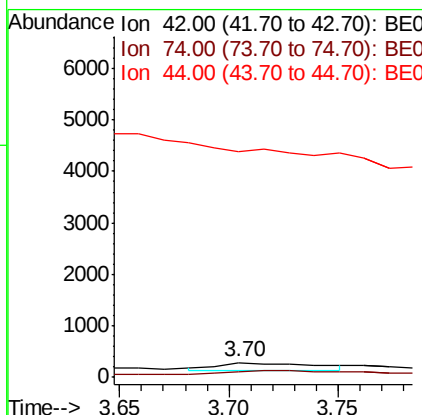
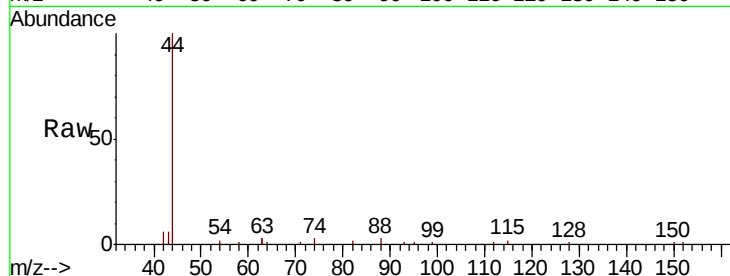
n-Nitrosodimethylamine  
 Concen: 0.352 ng/ml  
 RT: 3.70 min Scan# 73  
 Delta R.T. 0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 48.0  | 0.0   | 0.0#  |
| 44      | 0.0   | 0.0   | 0.0   |

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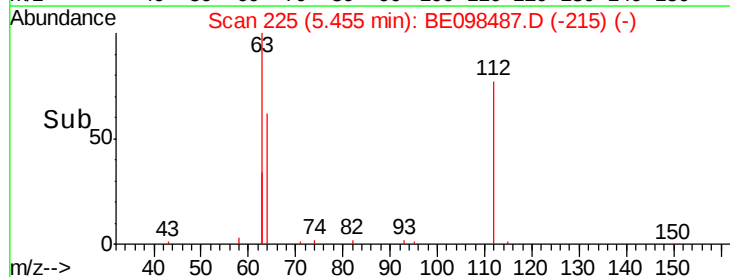
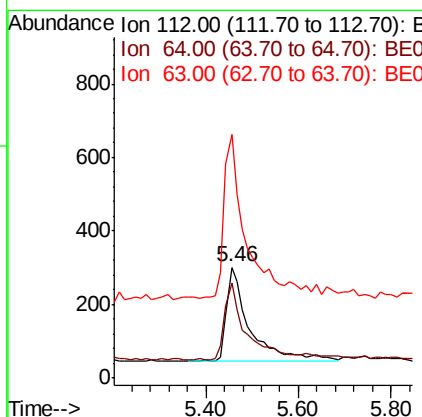
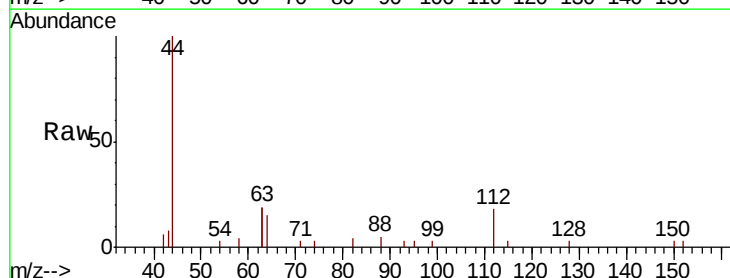
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#4

2-Fluorophenol  
 Concen: 0.459 ng/ml  
 RT: 5.46 min Scan# 225  
 Delta R.T. 0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 73.1  | 59.8  | 89.8  |
| 63      | 150.8 | 133.7 | 200.5 |





#5

Phenol-d6

Concen: 0.446 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA\_E

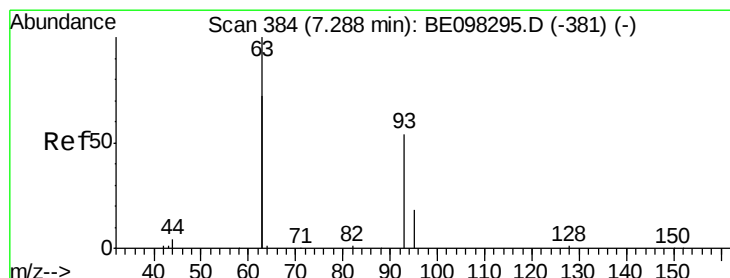
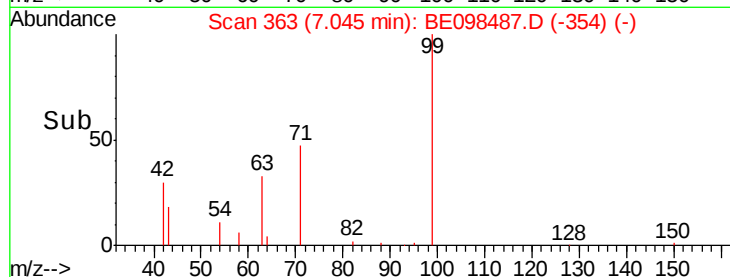
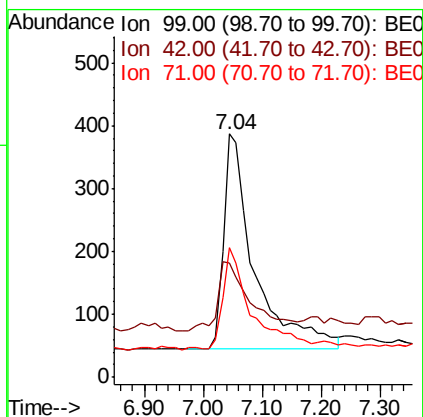
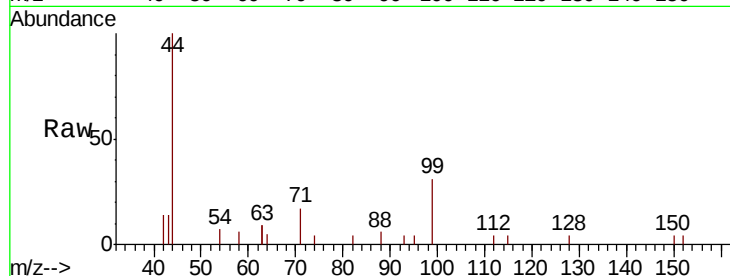
ClientSampled :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1237  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 34.1  | 26.3  | 39.5  |
| 71       | 44.8  | 33.6  | 50.4  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.322 ng

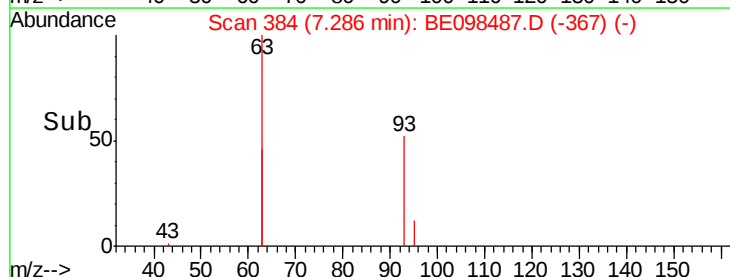
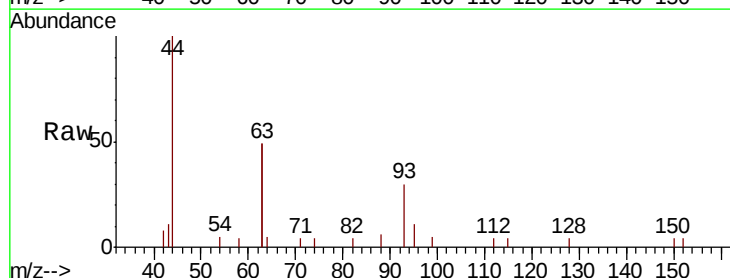
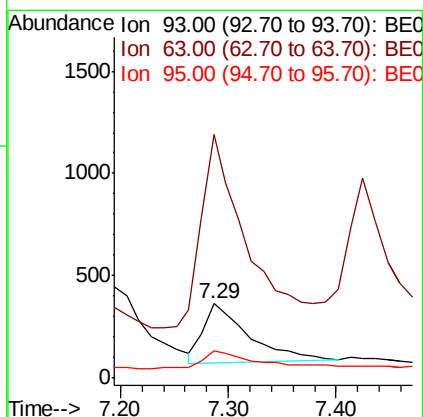
RT: 7.29 min Scan# 384

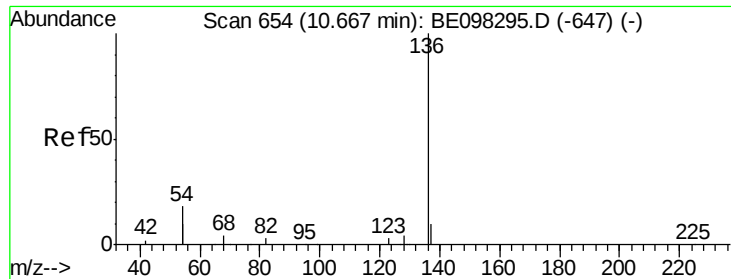
Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 848   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 325.1 | 264.4 | 396.6 |
| 95       | 39.6  | 26.6  | 40.0  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion: 136 Resp: 3698

Ion Ratio Lower Upper

136 100

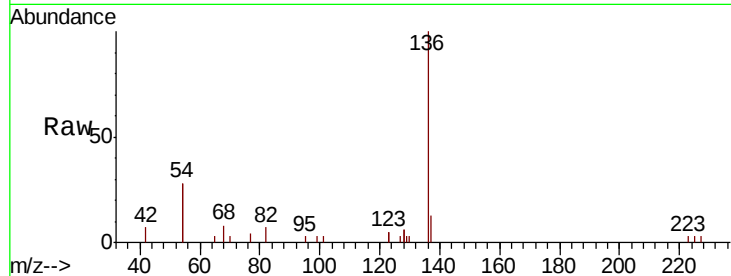
137 13.0 9.2 13.8

54 56.5 28.4 42.6#

68 8.3 5.4 8.0#

Manual Integrations  
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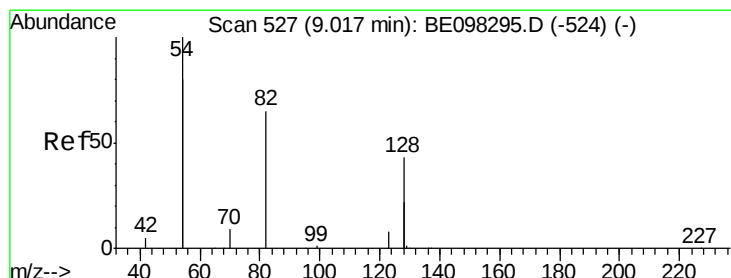
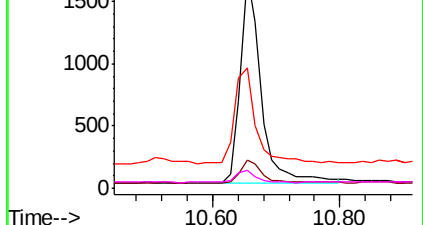
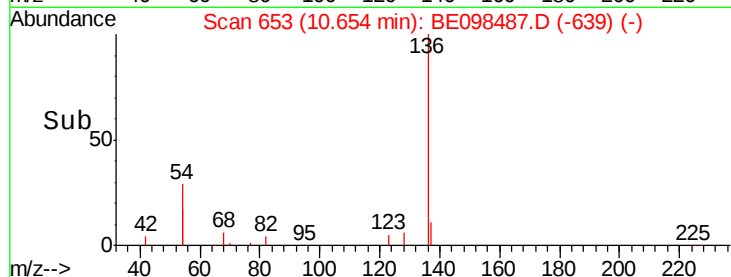


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.378 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

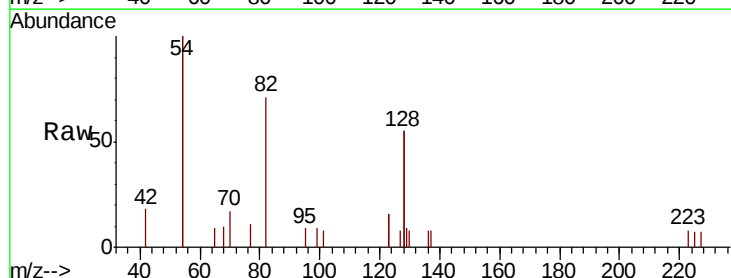
Tgt Ion: 82 Resp: 1271

Ion Ratio Lower Upper

82 100

128 153.5 102.4 153.6

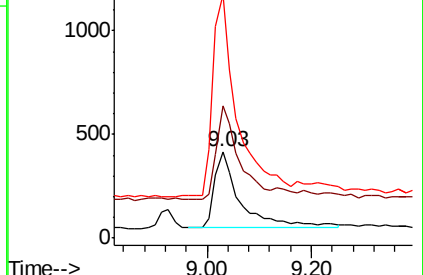
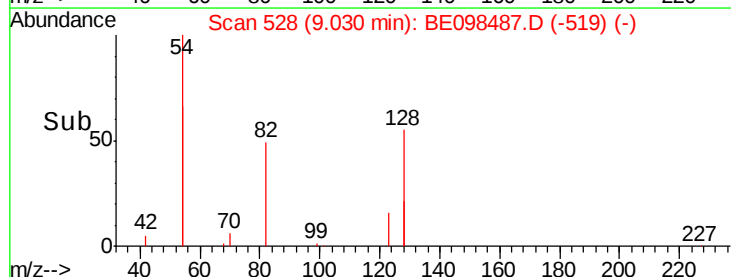
54 281.5 221.8 332.8

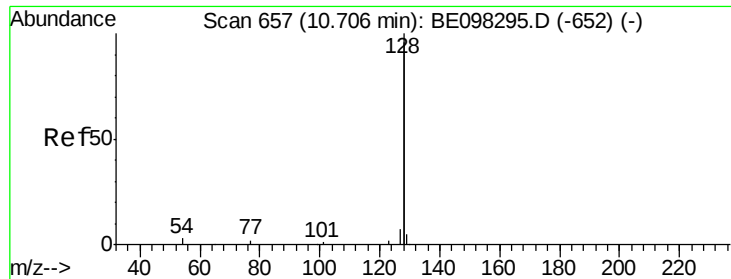


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA\_E

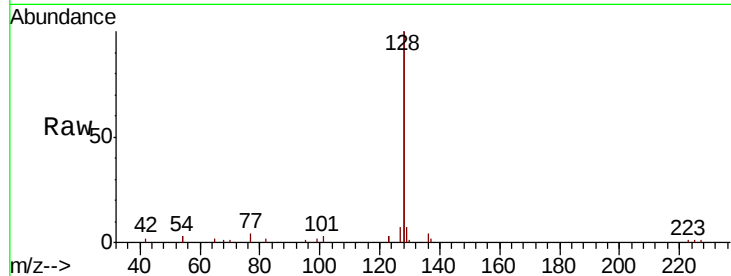
ClientSampleId :

SSTDCCC0.4

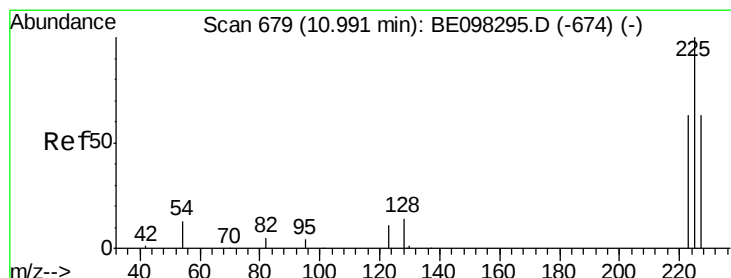
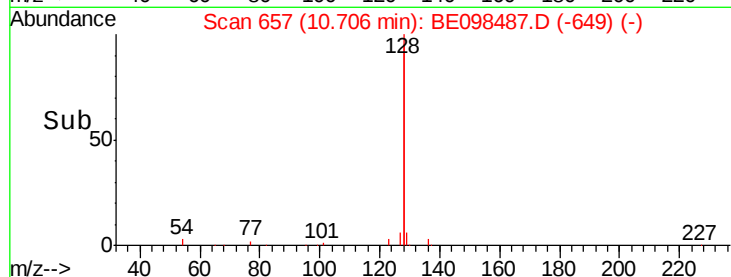
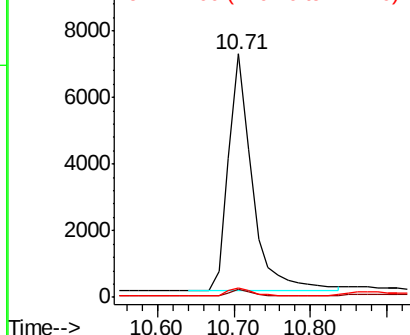
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 15519 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.4   | 2.5   | 3.7   |
| 127       | 3.7   | 2.7   | 4.1   |

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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: 0.479 ng

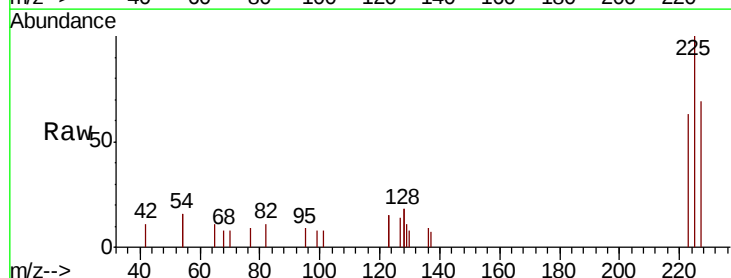
RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

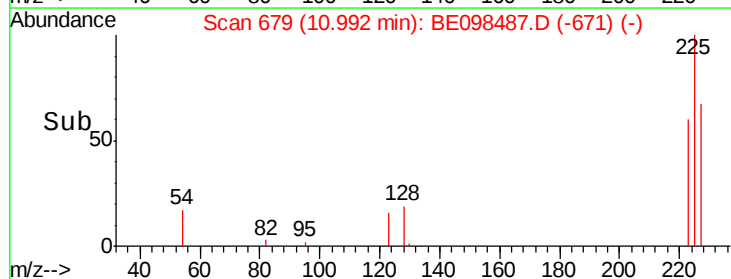
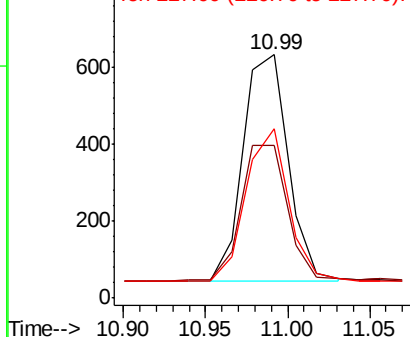
Lab File: BE098487.D

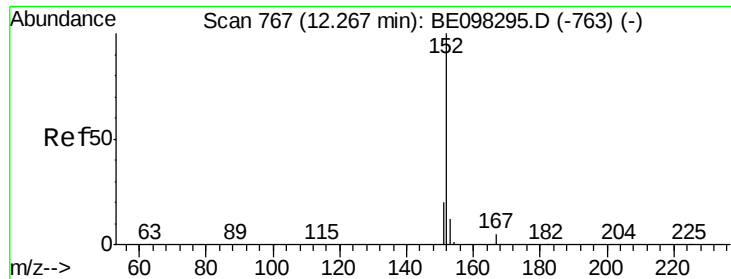
Acq: 16 Dec 2018 1:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1134 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.2  | 49.4  | 74.0 |
| 227       | 63.4  | 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





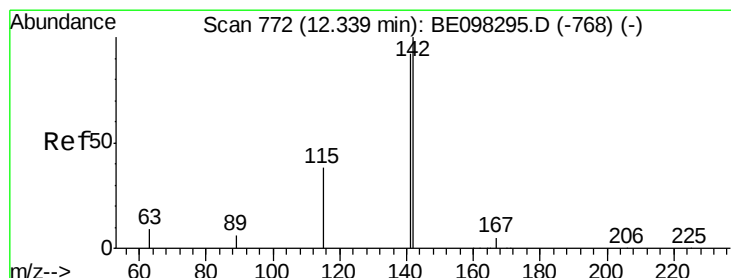
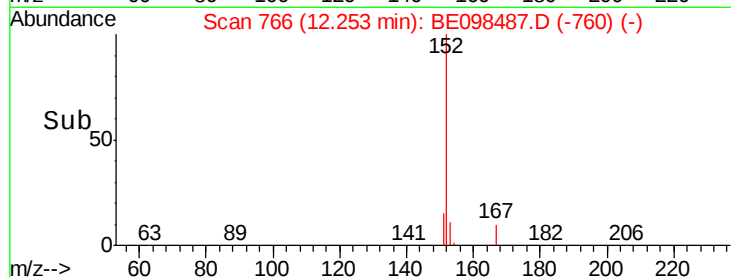
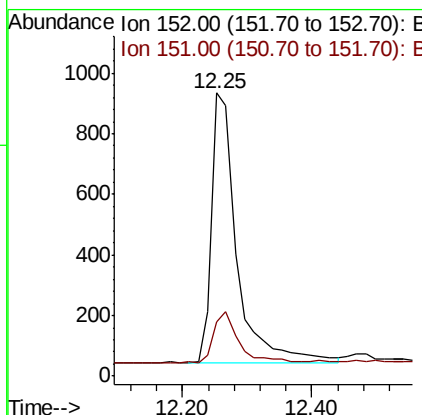
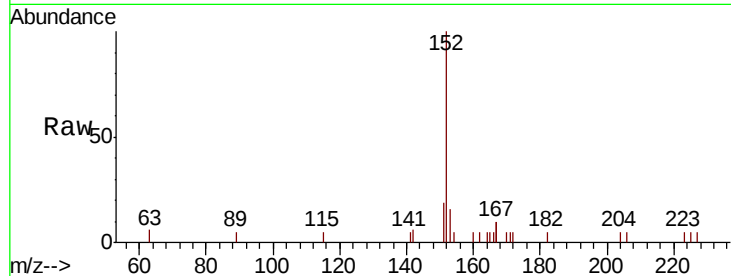
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.406 ng  
 RT: 12.25 min Scan# 766  
 Delta R.T. -0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.0  | 16.2  | 24.4  |

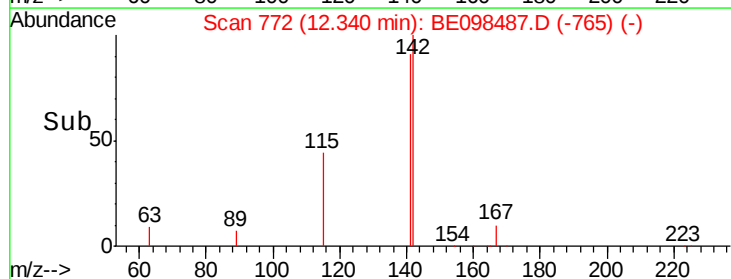
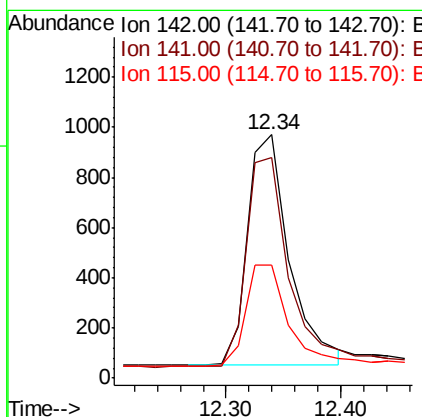
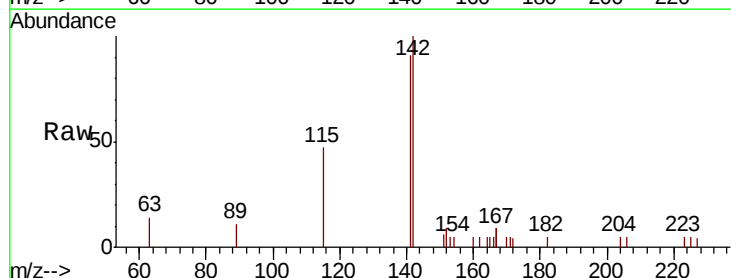
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#12  
 2-Methylnaphthalene  
 Concen: 0.382 ng  
 RT: 12.34 min Scan# 772  
 Delta R.T. 0.00 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.7  | 71.0  | 106.6 |
| 115     | 46.5  | 32.2  | 48.2  |





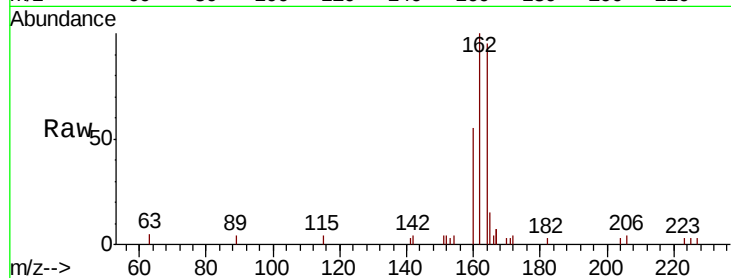
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.52 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

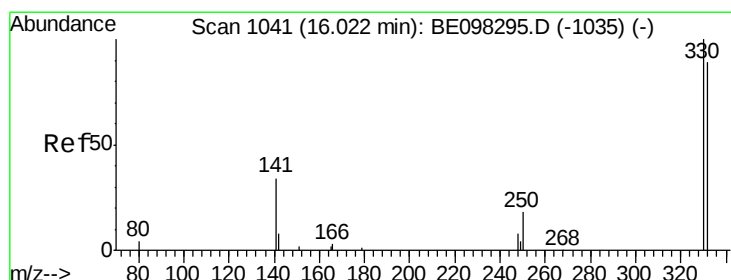
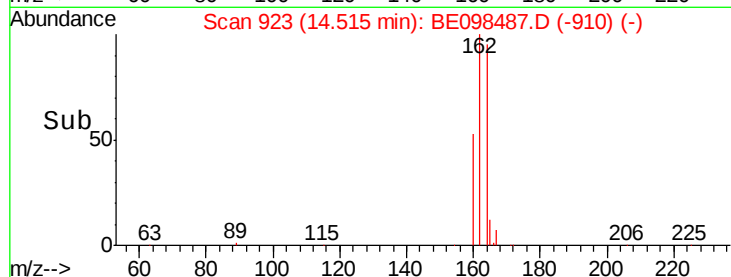
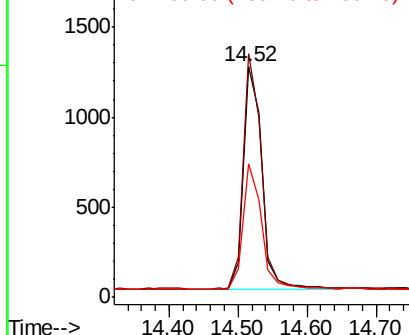
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.7 | 77.6  | 116.4 |
| 160     | 57.9  | 36.0  | 54.0# |

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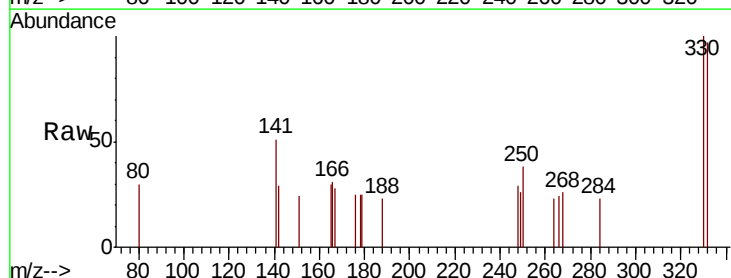


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

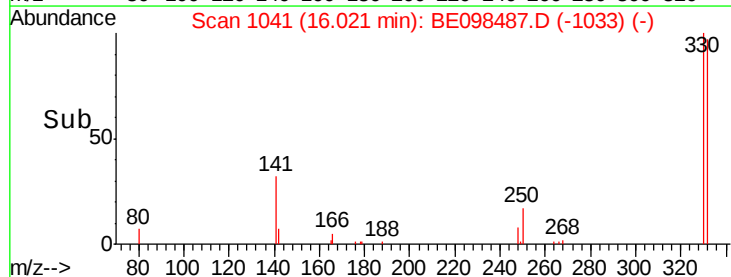
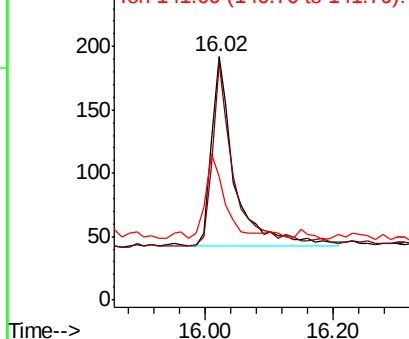


#14  
2,4,6-Tribromophenol  
Concen: 0.445 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 90.7  | 76.2  | 114.4 |
| 141     | 38.0  | 39.0  | 58.4# |



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





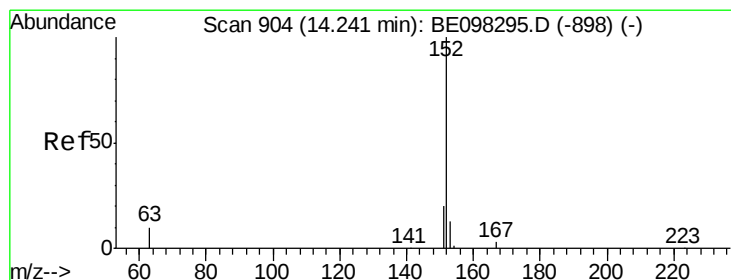
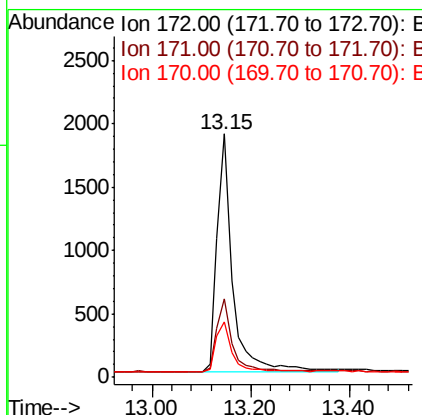
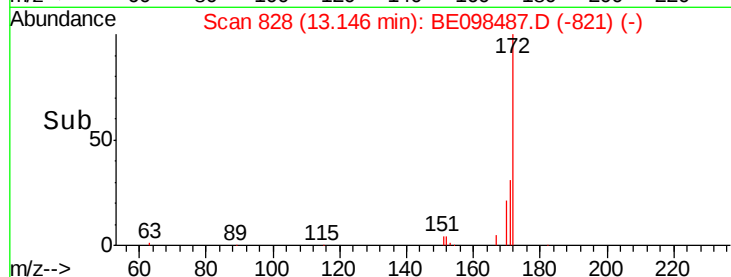
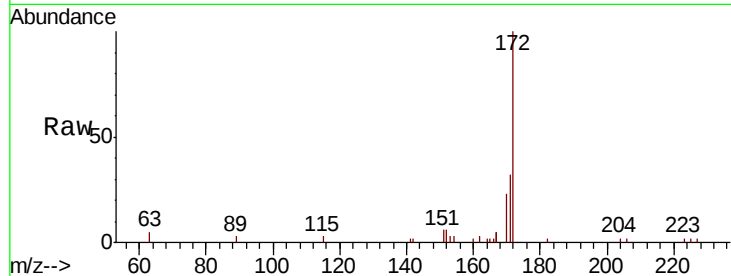
#15  
2-Fluorobiphenyl  
Concen: 0.418 ng  
RT: 13.15 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.3  | 27.5  | 41.3  |
| 170     | 22.9  | 19.6  | 29.4  |

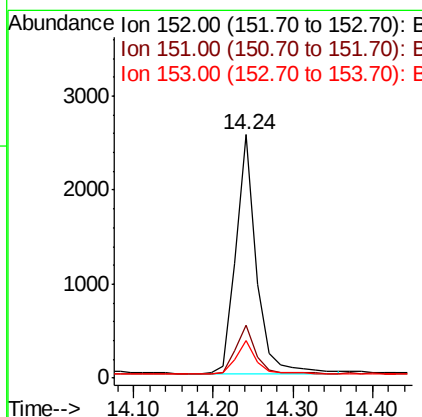
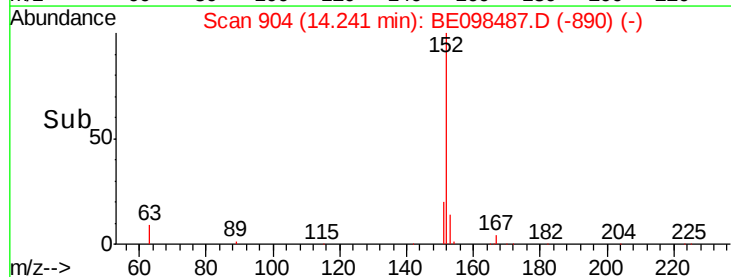
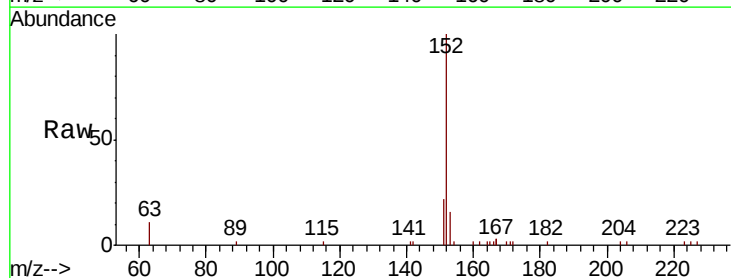
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#16  
Acenaphthylene  
Concen: 0.422 ng  
RT: 14.24 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 15.5  | 23.3  |
| 153     | 14.0  | 10.6  | 16.0  |





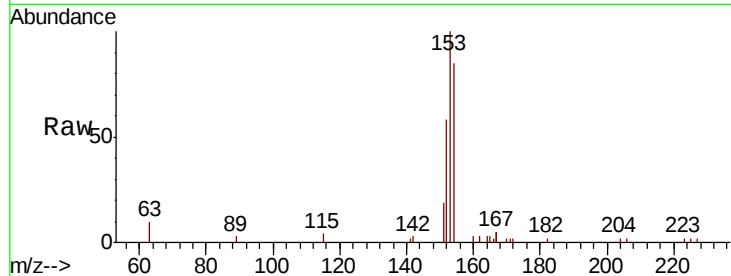
#17  
Acenaphthene  
Concen: 0.405 ng  
RT: 14.59 min Scan# 928  
Delta R.T. 0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 118.9 | 91.8  | 137.6 |
| 152     | 69.2  | 45.5  | 68.3# |

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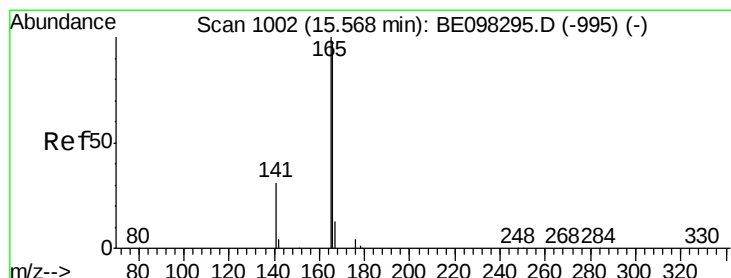
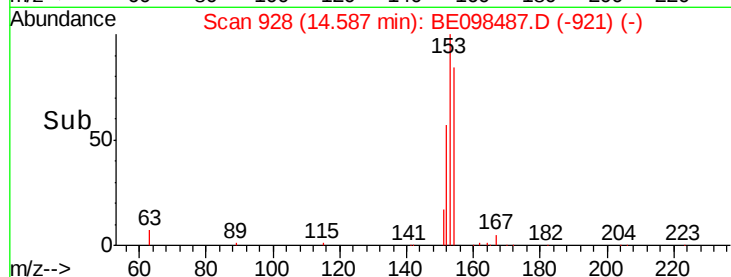
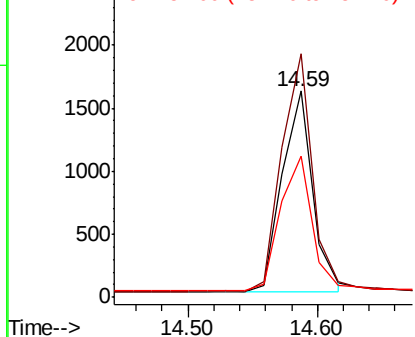


Abundance

Ion 154.00 (153.70 to 154.70): E

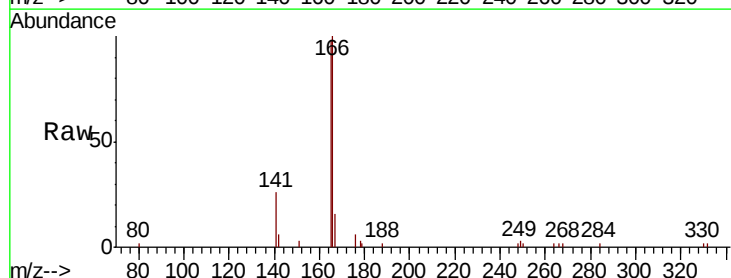
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18  
Fluorene  
Concen: 0.409 ng  
RT: 15.57 min Scan# 1002  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.0 | 79.3  | 118.9 |
| 167     | 14.2  | 11.3  | 16.9  |

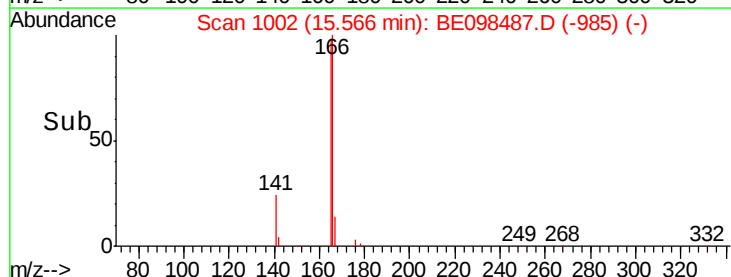
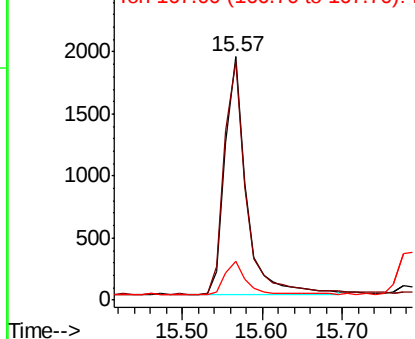


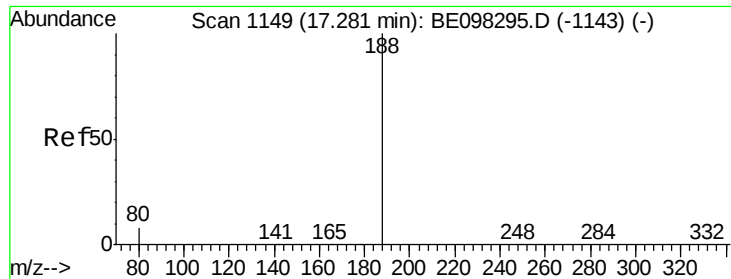
Abundance

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: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA\_E

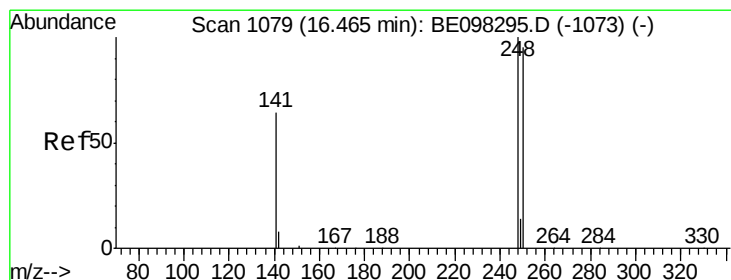
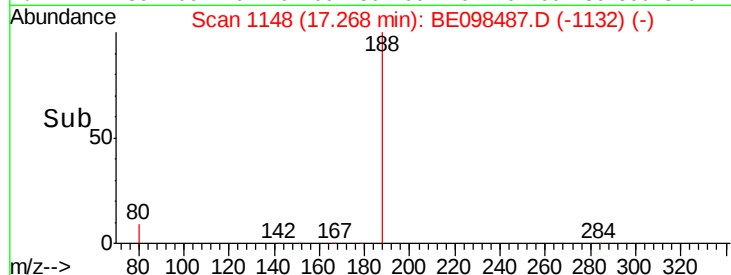
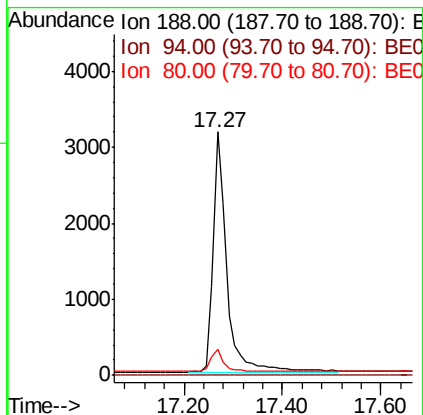
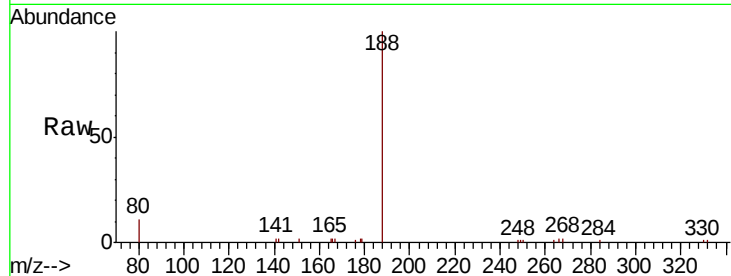
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 6125  |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.9  | 7.2   | 10.8# |

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#20

4-Bromophenyl-phenylether

Concen: 0.376 ng

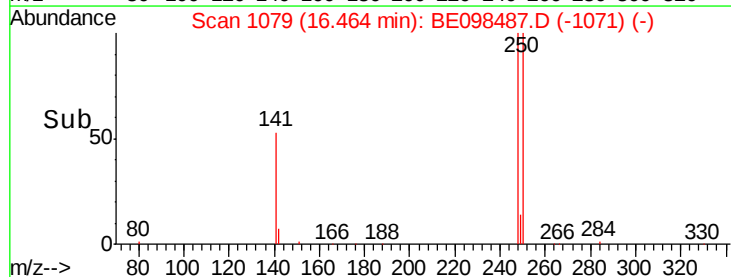
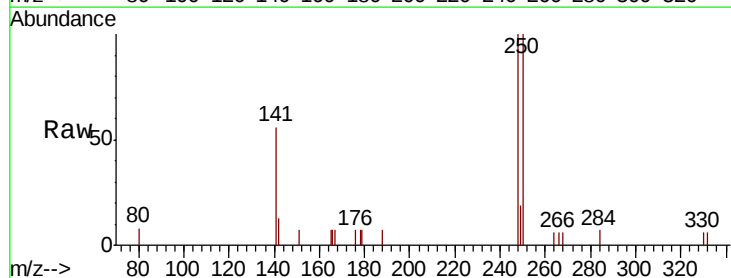
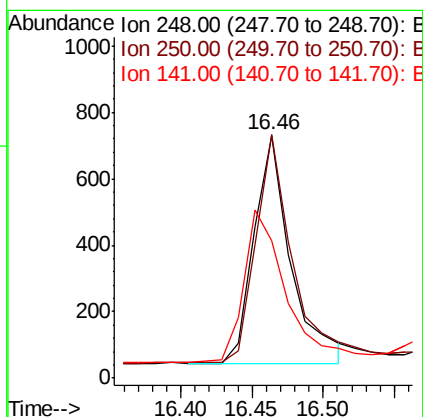
RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 1238  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 100.3 | 71.0  | 106.6 |
| 141       | 56.5  | 62.1  | 93.1# |





#21

Hexachlorobenzene

Concen: 0.433 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA\_E

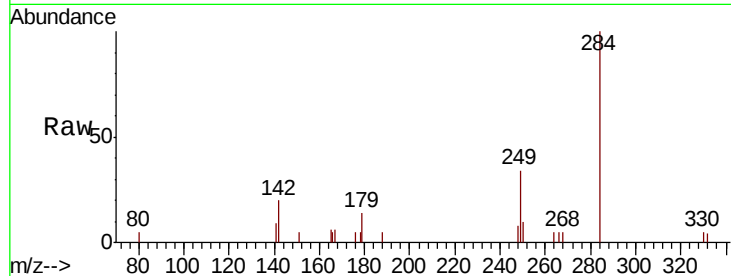
ClientSampleId :

SSTDCCC0.4

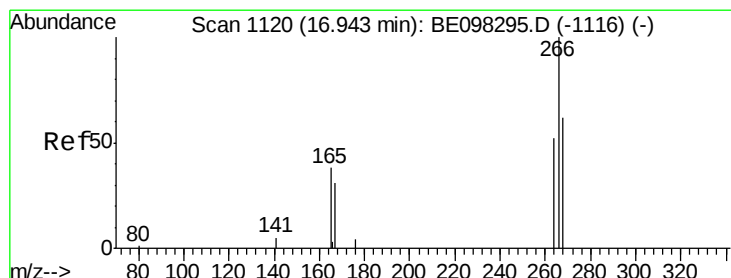
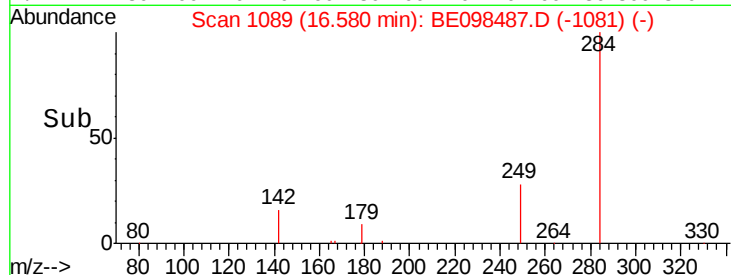
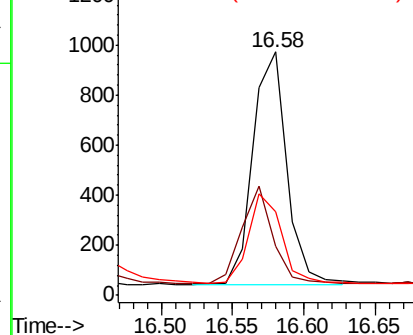
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 1535 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 37.9  | 26.3  | 39.5 |
| 249       | 36.7  | 26.0  | 39.0 |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.505 ng m

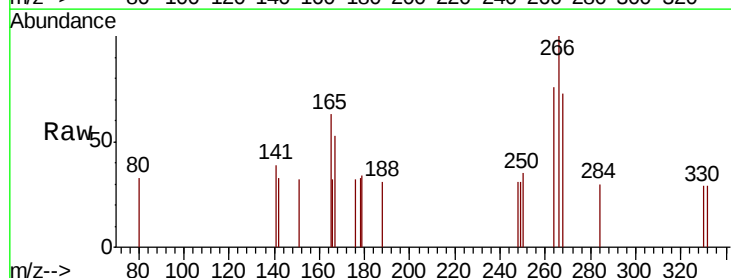
RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

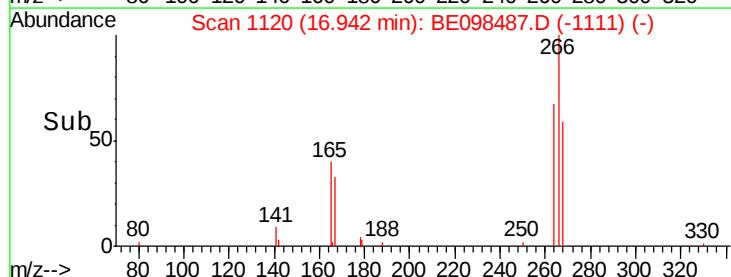
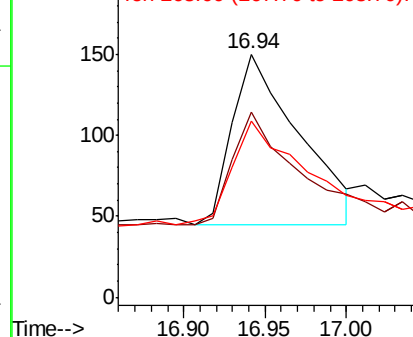
Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 299  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 76.0  | 59.0  | 88.4 |
| 268       | 72.7  | 55.1  | 82.7 |



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





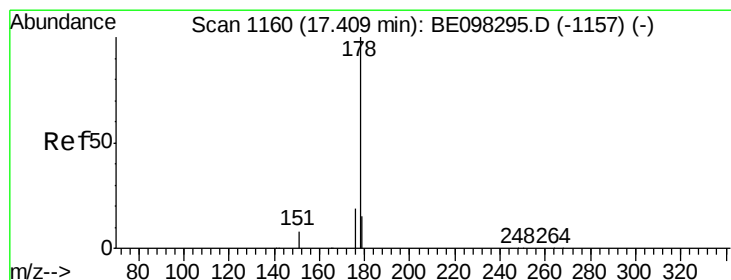
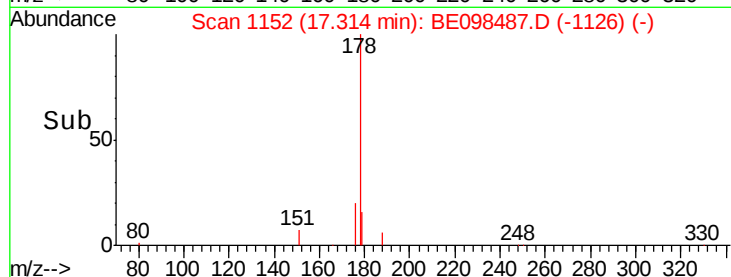
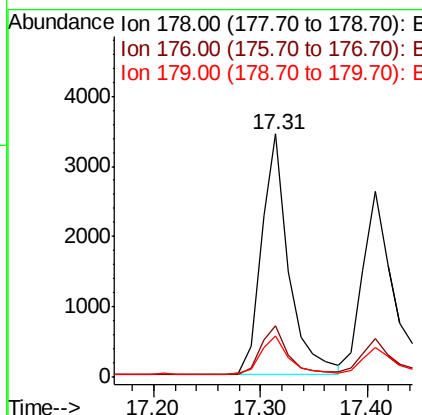
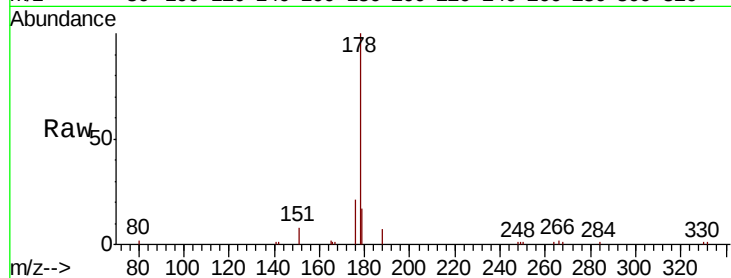
#23  
Phenanthrene  
Concen: 0.407 ng  
RT: 17.31 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 15.9  | 23.9  |
| 179     | 15.8  | 12.3  | 18.5  |

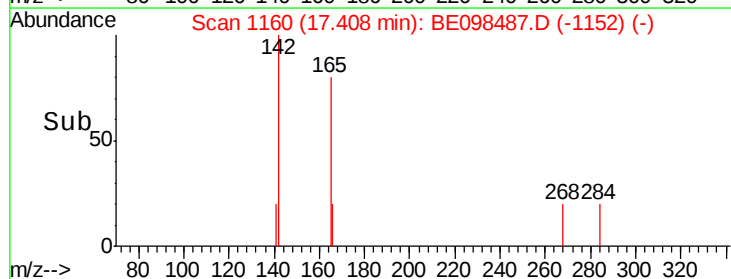
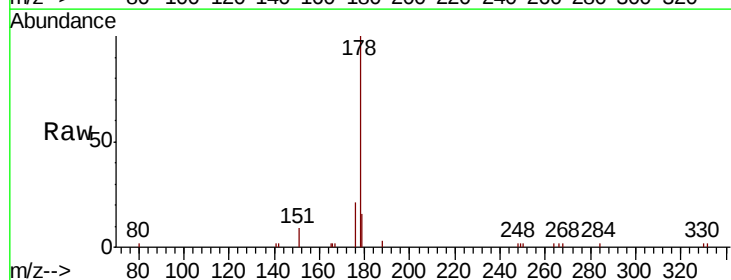
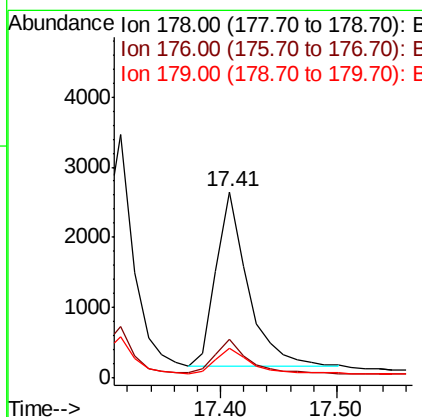
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#24  
Anthracene  
Concen: 0.353 ng  
RT: 17.41 min Scan# 1160  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 15.0  | 22.4  |
| 179     | 15.2  | 12.3  | 18.5  |





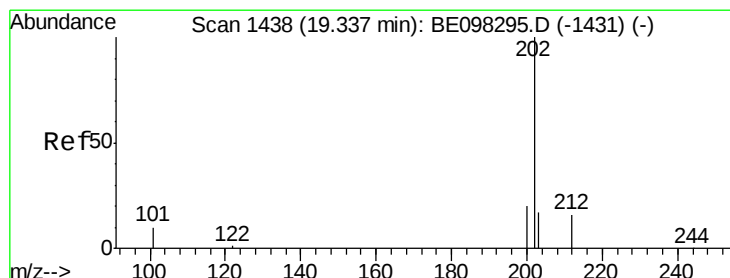
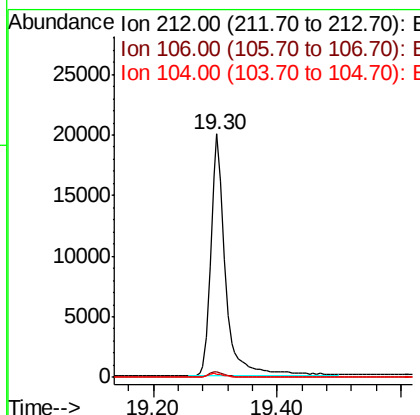
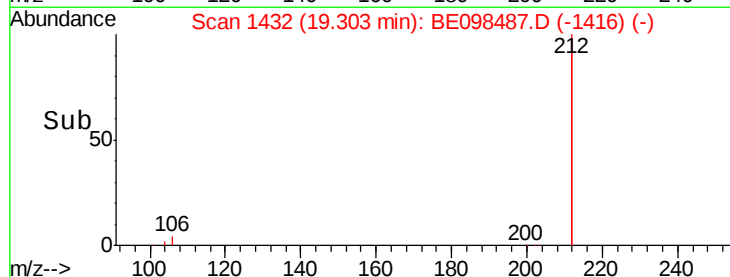
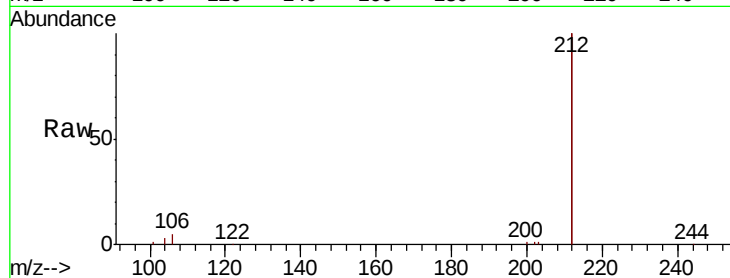
#25  
 Fluoranthene-d10  
 Concen: 0.412 ng  
 RT: 19.30 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

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

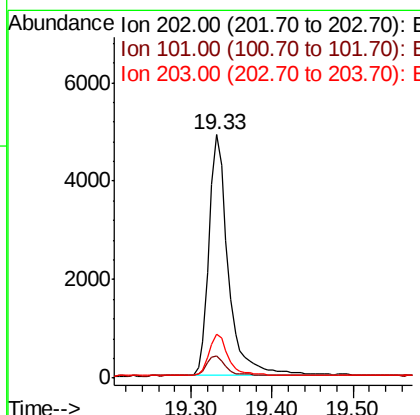
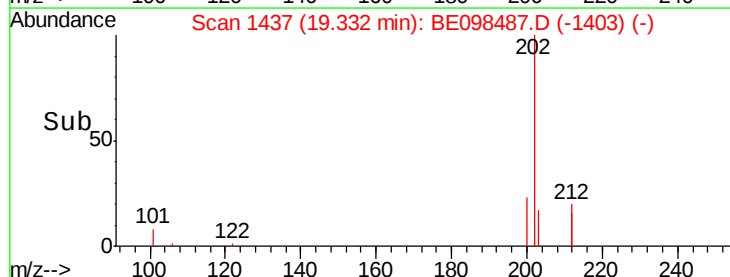
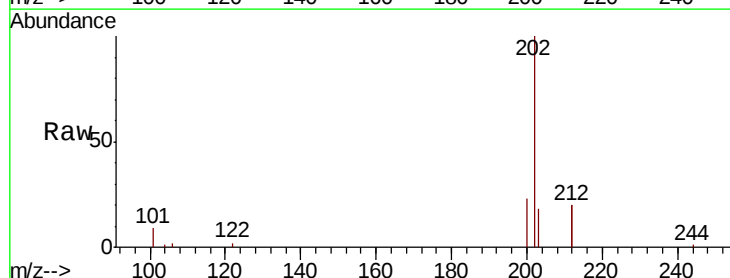
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#26  
 Fluoranthene  
 Concen: 0.417 ng  
 RT: 19.33 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.6   | 8.0   | 12.0  |
| 203     | 16.7  | 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: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA\_E

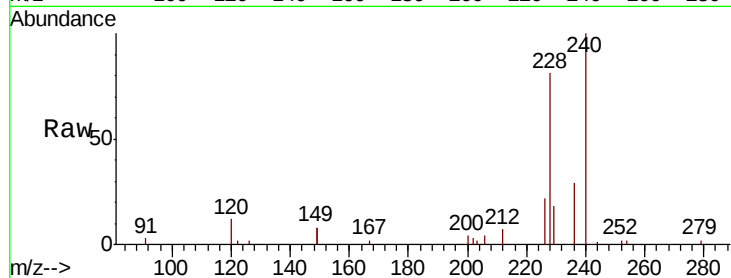
ClientSampleId :

SSTDCCC0.4

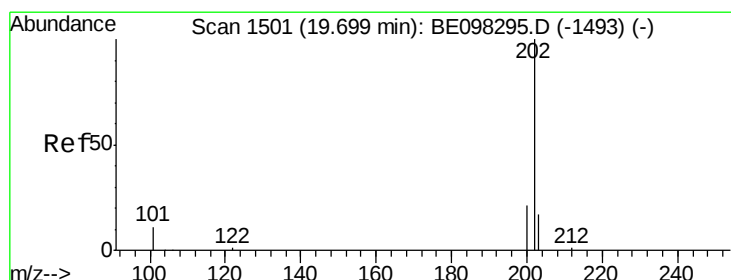
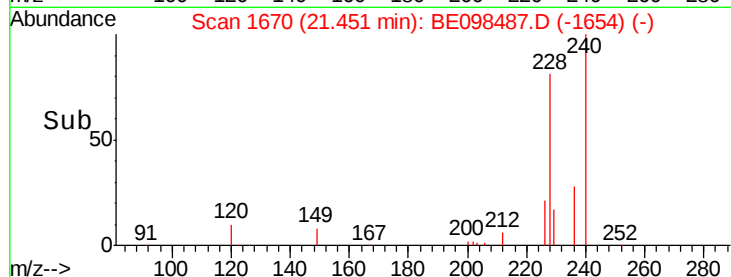
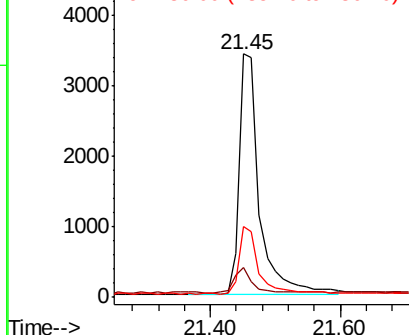
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 240   | Resp: | 7365 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 12.0  | 9.5   | 14.3 |
| 236       | 29.2  | 22.7  | 34.1 |

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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: 0.387 ng

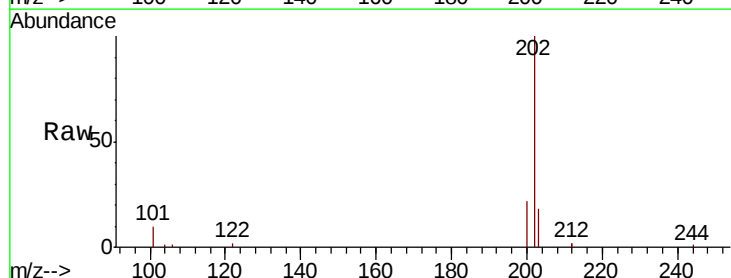
RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

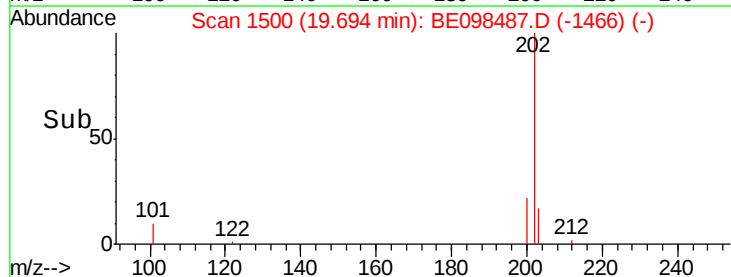
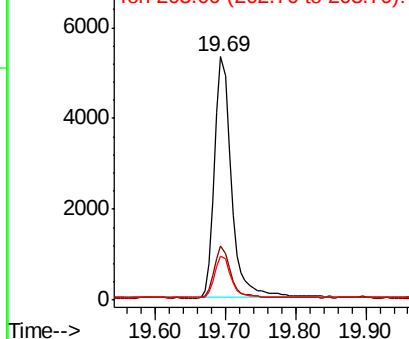
Lab File: BE098487.D

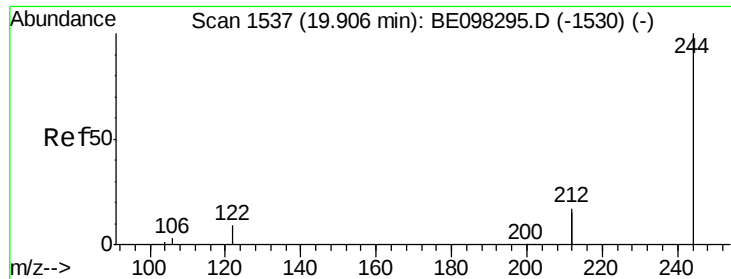
Acq: 16 Dec 2018 1:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8937 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 200       | 20.8  | 16.7  | 25.1 |
| 203       | 16.8  | 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





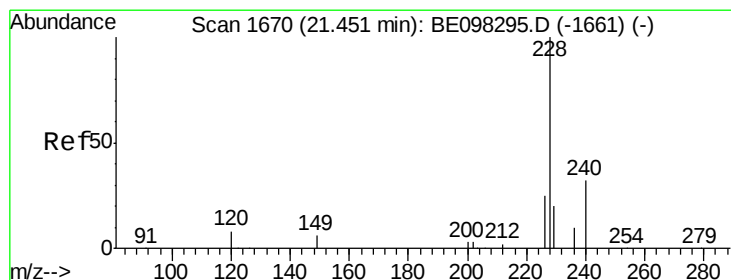
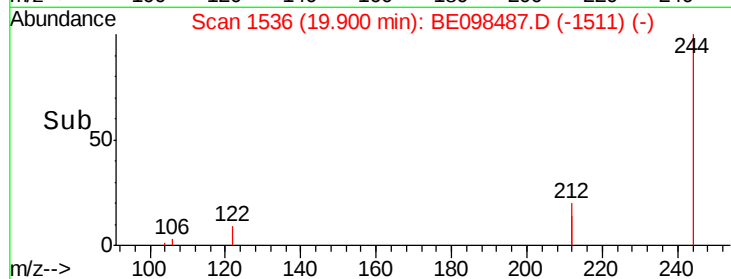
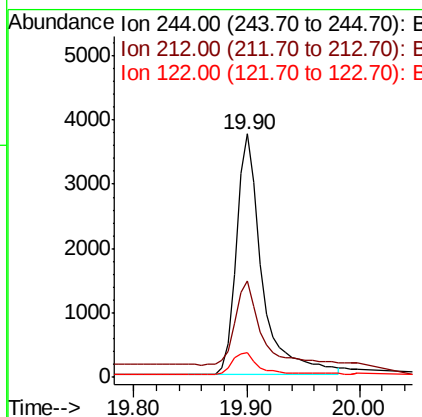
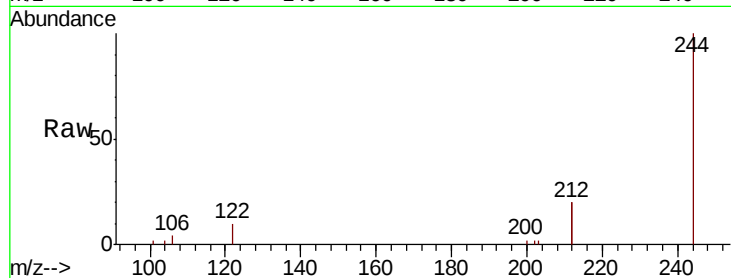
#29  
 Terphenyl-d14  
 Concen: 0.334 ng  
 RT: 19.90 min Scan# 1536  
 Delta R.T. -0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 39.5  | 27.4  | 41.0  |
| 122     | 9.9   | 8.3   | 12.5  |

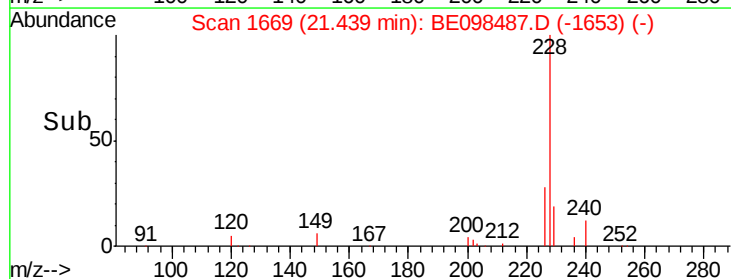
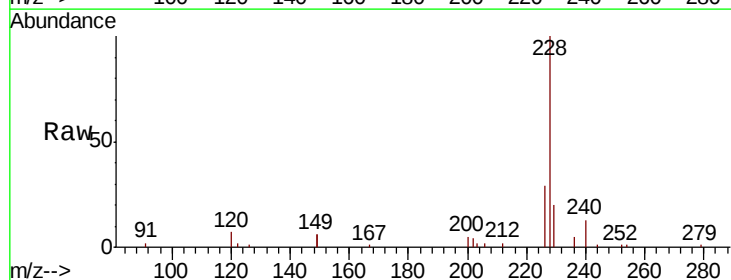
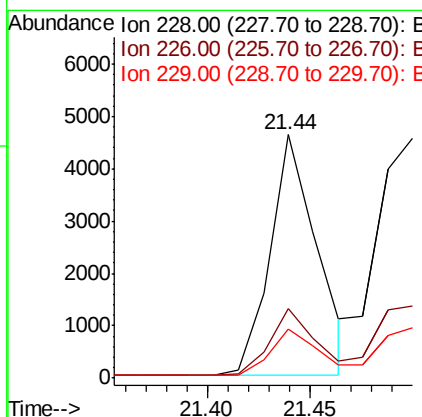
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#30  
 Benzo(a)anthracene  
 Concen: 0.350 ng  
 RT: 21.44 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 21.8  | 32.8  |
| 229     | 20.1  | 16.3  | 24.5  |





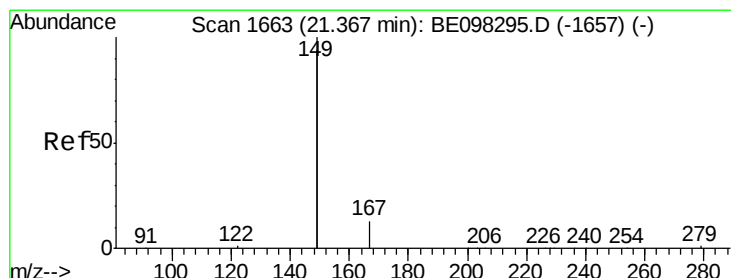
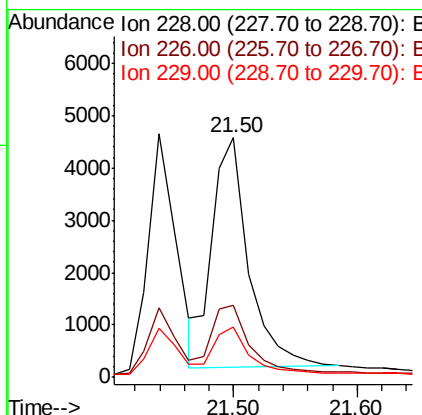
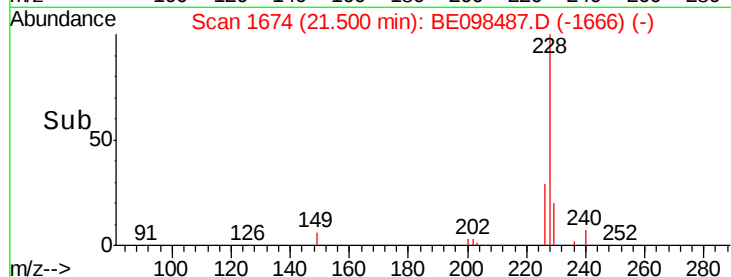
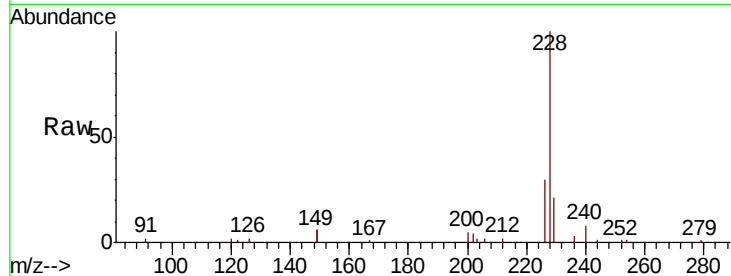
#31  
 Chrysene  
 Concen: 0.413 ng  
 RT: 21.50 min Scan# 1674  
 Delta R.T. 0.00 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 23.4  | 35.0  |
| 229     | 21.1  | 16.2  | 24.4  |

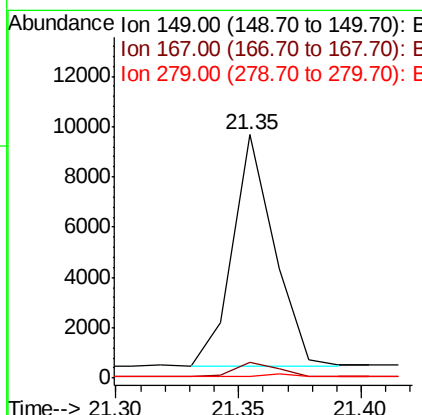
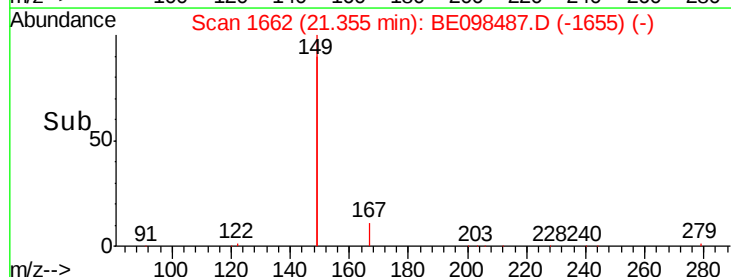
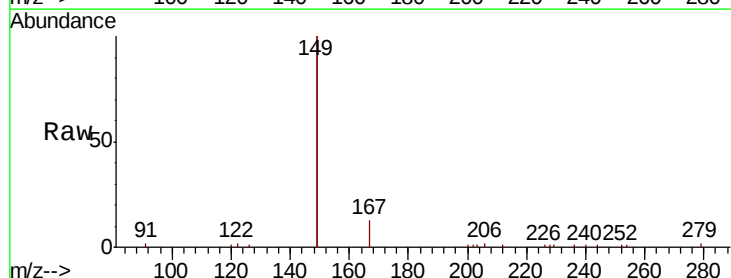
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#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.256 ng m  
 RT: 21.35 min Scan# 1662  
 Delta R.T. -0.01 min  
 Lab File: BE098487.D  
 Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 6.5   | 5.7   | 8.5   |
| 279     | 1.2   | 1.0   | 1.4   |





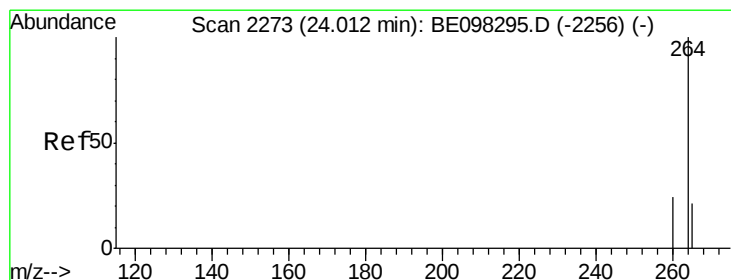
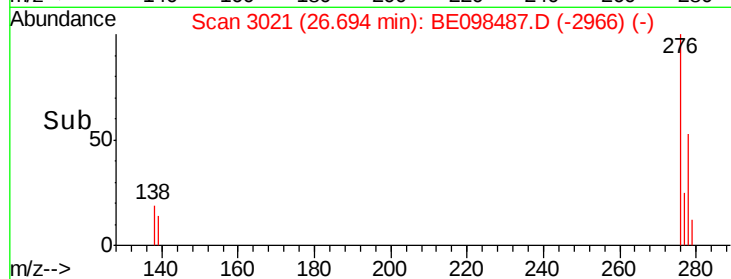
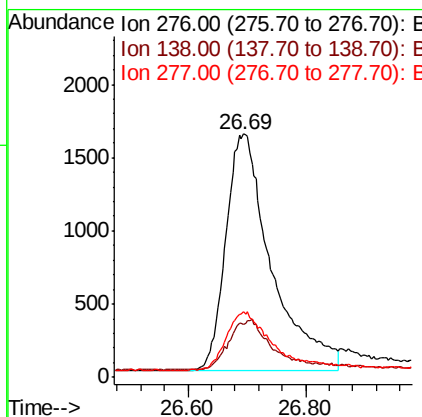
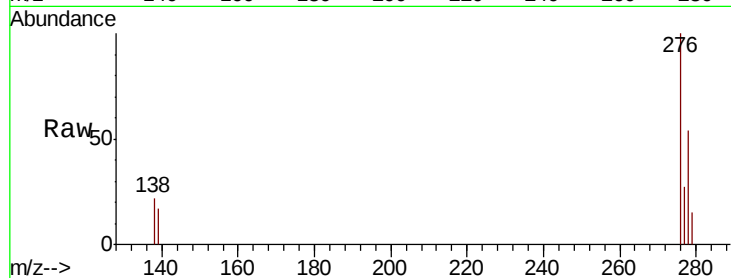
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.399 ng  
RT: 26.69 min Scan# 3021  
Delta R.T. -0.00 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 7.2   | 16.3  | 24.5# |
| 277     | 23.5  | 20.2  | 30.4  |

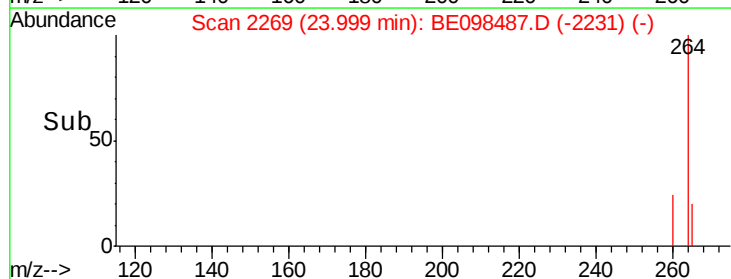
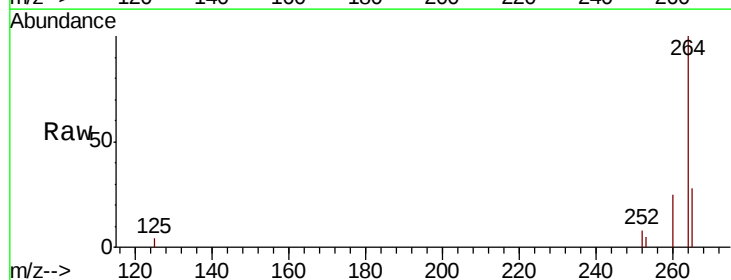
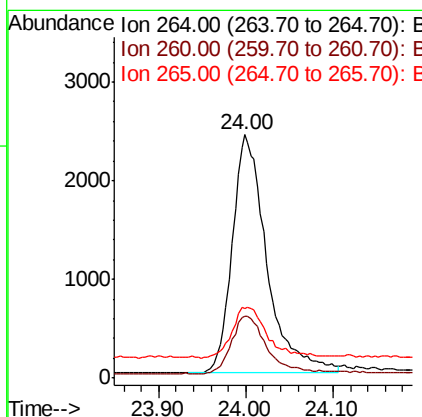
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.00 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 20.2  | 30.2  |
| 265     | 28.4  | 25.2  | 37.8  |





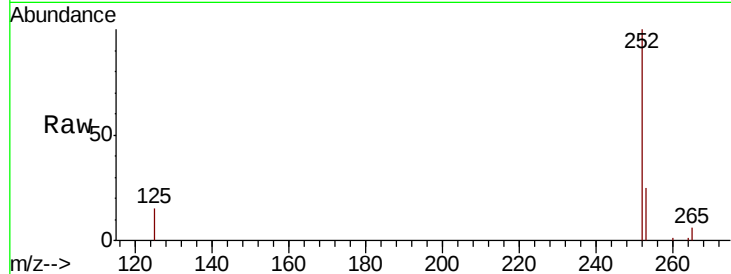
#35  
Benzo(b)fluoranthene  
Concen: 0.427 ng m  
RT: 23.22 min Scan# 2051  
Delta R.T. -0.01 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 20.0  | 30.0  |
| 125     | 14.7  | 9.6   | 14.4  |

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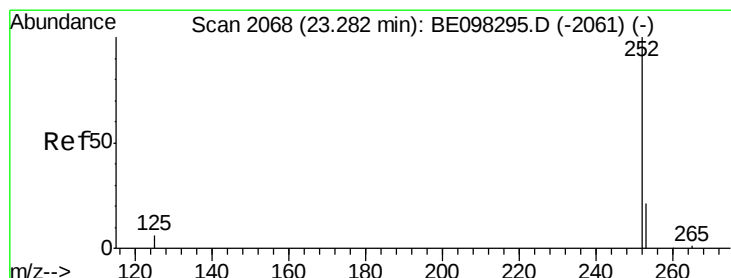
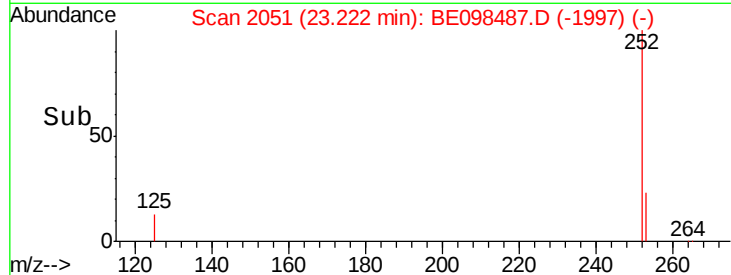
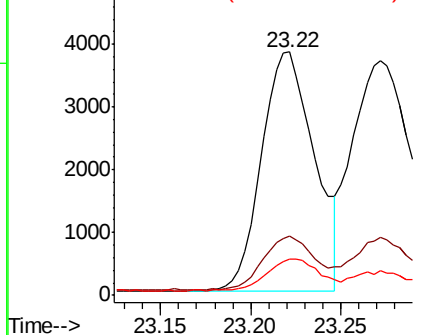


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36  
Benzo(k)fluoranthene  
Concen: 0.463 ng  
RT: 23.27 min Scan# 2065  
Delta R.T. -0.01 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

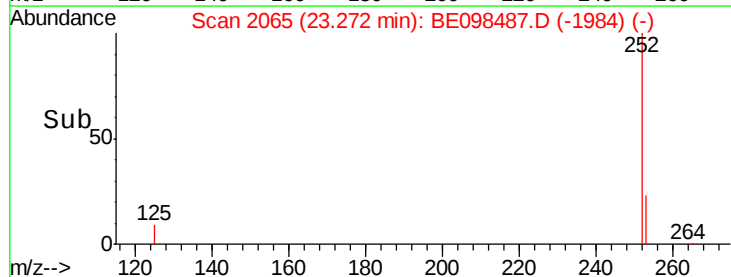
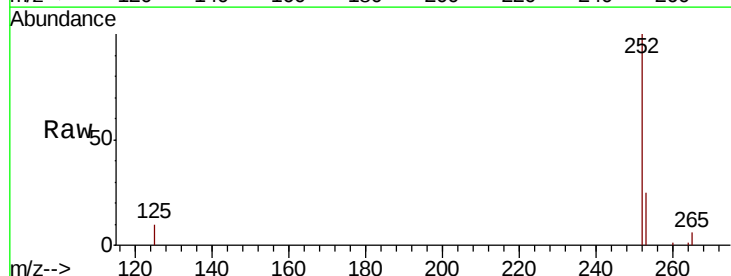
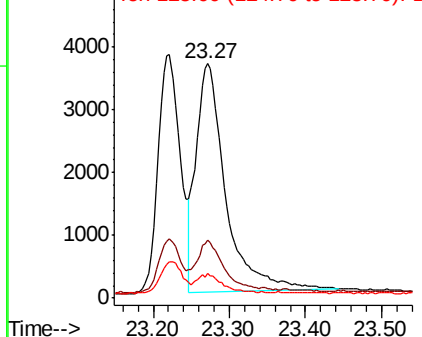
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.9  | 19.0  | 28.6  |
| 125     | 10.4  | 9.1   | 13.7  |

Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





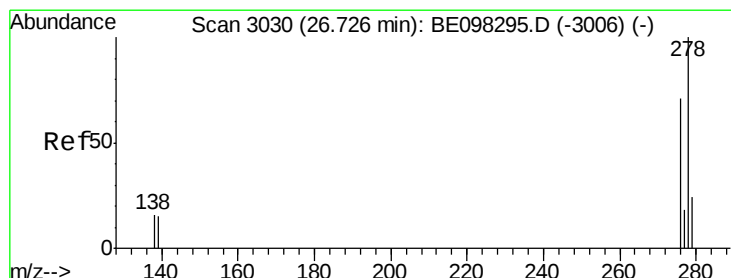
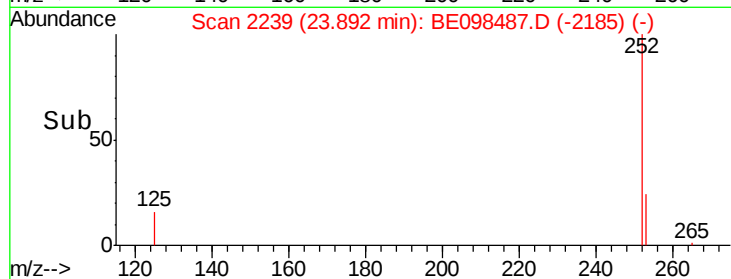
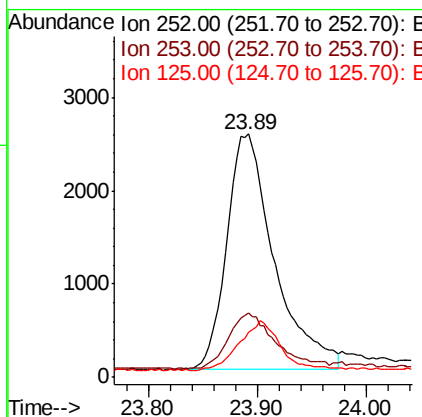
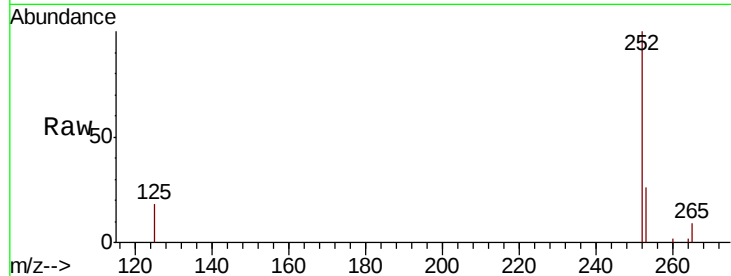
#37  
Benzo(a)pyrene  
Concen: 0.407 ng/ml  
RT: 23.89 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.5  | 20.6  | 30.8  |
| 125     | 18.5  | 10.5  | 15.7  |

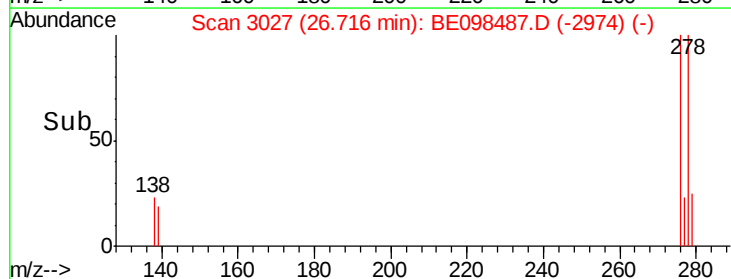
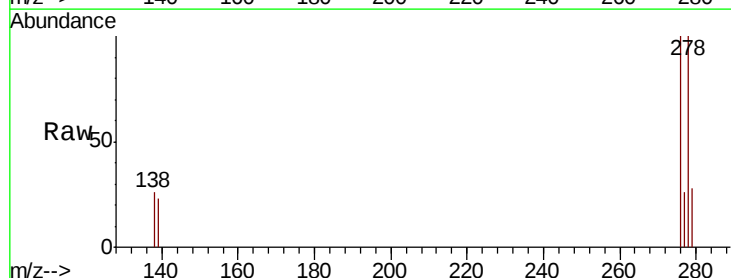
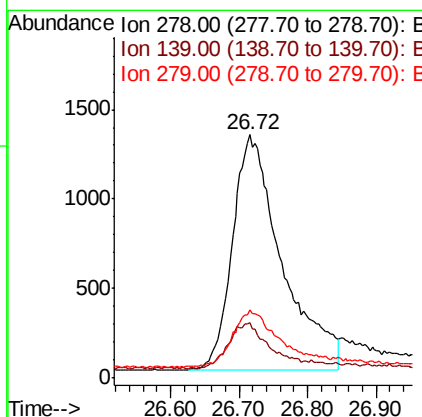
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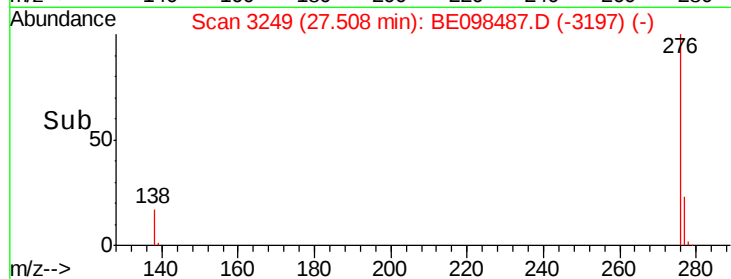
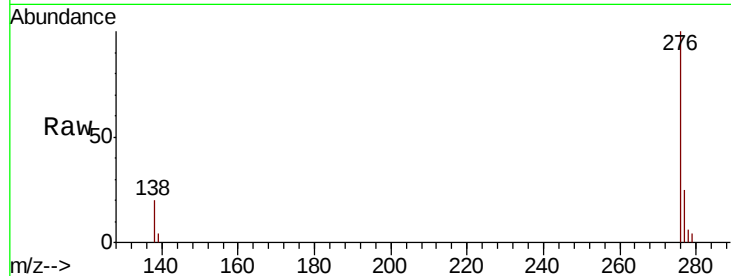
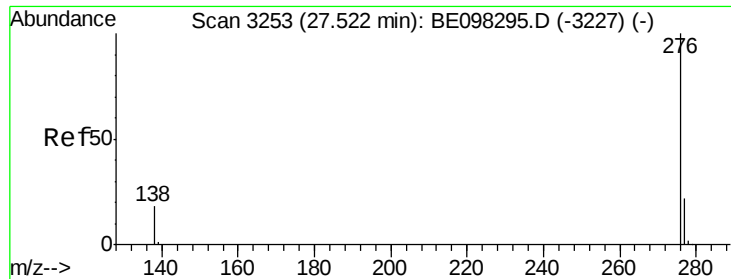
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.370 ng/ml  
RT: 26.72 min Scan# 3027  
Delta R.T. -0.01 min  
Lab File: BE098487.D  
Acq: 16 Dec 2018 1:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.8  | 14.5  | 21.7  |
| 279     | 28.1  | 21.8  | 32.8  |





#39

Benzo(a,h,i)perylene

Concen: 0.422 ng

RT: 27.51 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 7550 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 25.2  | 20.8  | 31.2 |
| 138       | 20.1  | 15.8  | 23.6 |

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Manual Integrations  
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