

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031519\  
 Data File : BE098992.D  
 Acq On : 16 Mar 2019 7:23  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

Sohil  
 3/18/2019 3:06:50 PM

Quant Time: Mar 18 07:21:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 15 05:31:33 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 1012     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.59 | 136  | 4680     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 2987     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 7609     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 8773     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 8420     | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.40  | 112 | 979   | 0.32 | ng | 0.01  |
| 5) Phenol-d6                | 6.99  | 99  | 1571  | 0.37 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 1668  | 0.34 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.20 | 152 | 3255  | 0.38 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 424   | 0.28 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.07 | 172 | 4748  | 0.38 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.24 | 212 | 40419 | 0.33 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.84 | 244 | 7738  | 0.36 | ng | 0.00  |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.29  | 88  | 747    | 0.375  | ng | 96   |
| 3) n-Nitrosodimethylamine      | 3.66  | 42  | 697m   | 0.274  | ng |      |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93  | 1003   | 0.304  | ng | # 96 |
| 9) Naphthalene                 | 10.63 | 128 | 20811  | 0.388  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.90 | 225 | 1320   | 0.372  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 3308   | 0.381  | ng | 99   |
| 16) Acenaphthylene             | 14.17 | 152 | 5854   | 0.381  | ng | 96   |
| 17) Acenaphthene               | 14.52 | 154 | 3624   | 0.398  | ng | 97   |
| 18) Fluorene                   | 15.50 | 166 | 4848   | 0.369  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248 | 1513   | 0.367  | ng | 96   |
| 21) Hexachlorobenzene          | 16.52 | 284 | 1855   | 0.378  | ng | 94   |
| 22) Pentachlorophenol          | 16.91 | 266 | 165    | 0.363  | ng | 95   |
| 23) Phenanthrene               | 17.25 | 178 | 7695   | 0.356  | ng | 99   |
| 24) Anthracene                 | 17.35 | 178 | 5831   | 0.315  | ng | 99   |
| 26) Fluoranthene               | 19.27 | 202 | 10115  | 0.331  | ng | 100  |
| 28) Pyrene                     | 19.64 | 202 | 10347  | 0.386  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 8845   | 0.323  | ng | 100  |
| 31) Chrysene                   | 21.43 | 228 | 11585  | 0.395  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 19656  | 0.337  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.54 | 276 | 9275   | 0.300  | ng | 96   |
| 35) Benzo(b)fluoranthene       | 23.13 | 252 | 10082m | 0.364  | ng |      |
| 36) Benzo(k)fluoranthene       | 23.18 | 252 | 10884  | 0.375  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.78 | 252 | 9802   | 0.369  | ng | # 90 |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278 | 7411   | 0.295  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 27.34 | 276 | 8463   | 0.322  | ng | 99   |

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

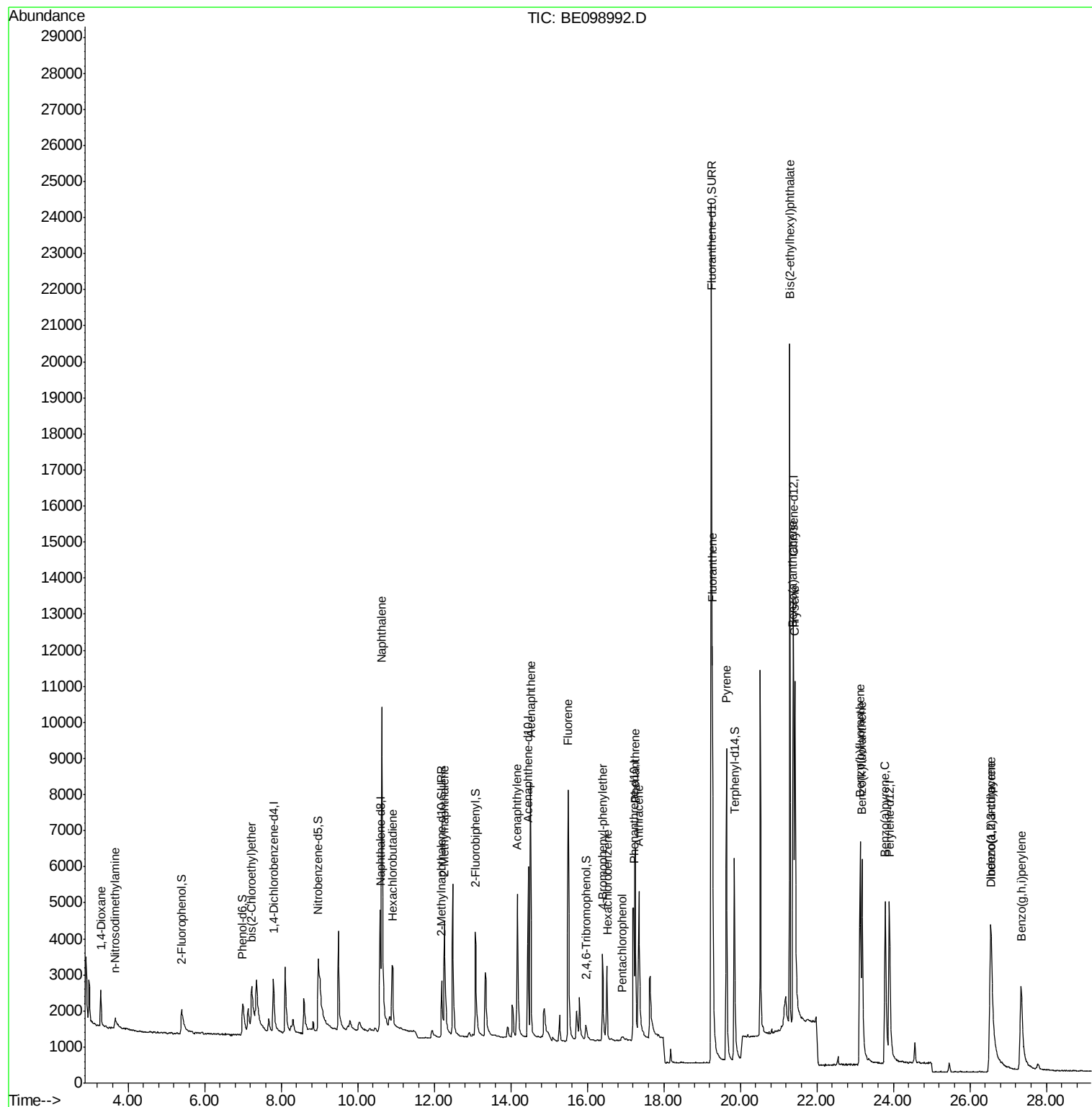
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031519\  
Data File : BE098992.D  
Acq On : 16 Mar 2019 7:23  
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Sample : SSTDCCC0.4  
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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
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3/18/2019 3:06:50 PM

Quant Time: Mar 18 07:21:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 15 05:31:33 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. 0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

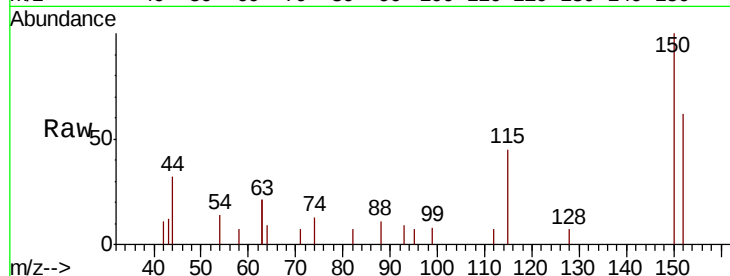
ClientSampleId :

SSTDCCC0.4EC

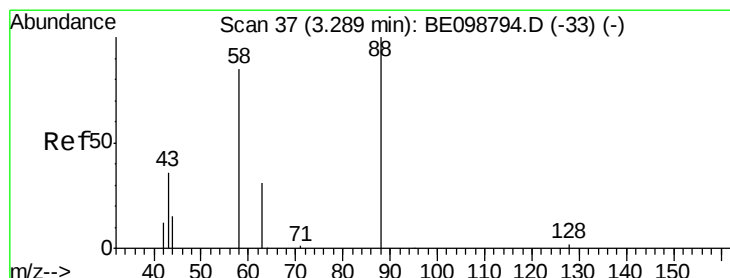
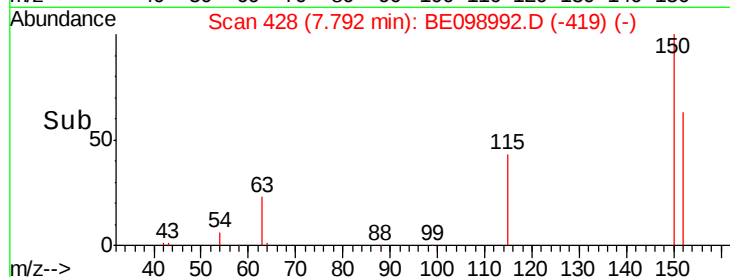
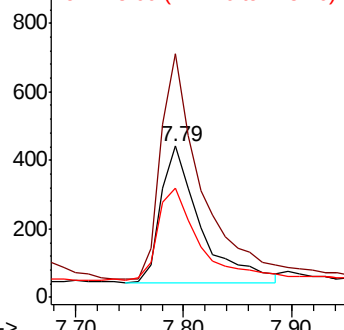
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 1012  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 160.9 | 122.5 | 183.7 |
| 115      | 71.9  | 57.4  | 86.2  |

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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: 0.375 ng

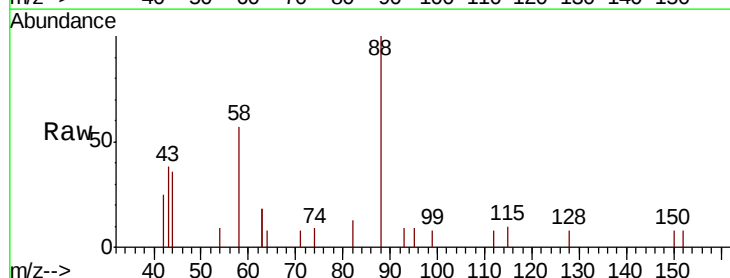
RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

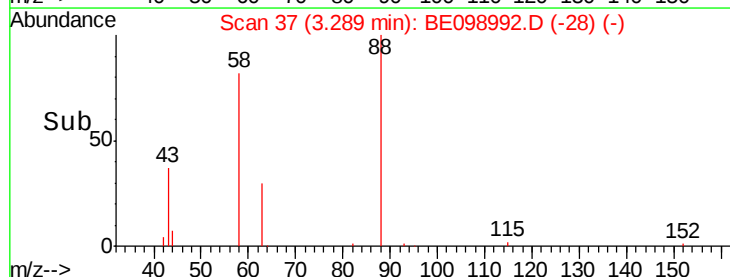
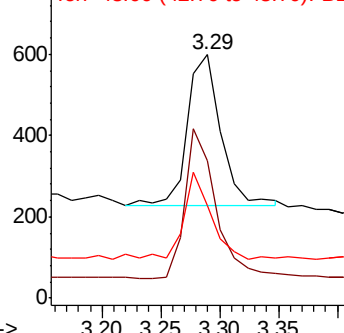
Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 747   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 90.6  | 75.8  | 113.6 |
| 43       | 49.3  | 41.8  | 62.8  |



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

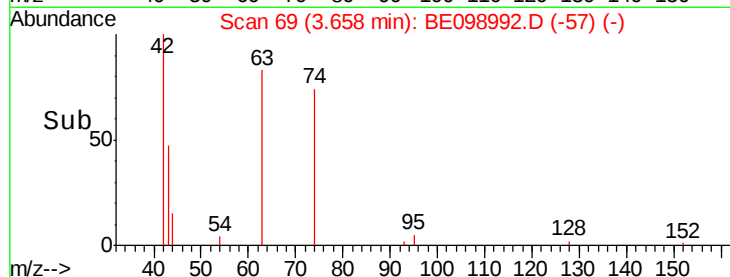
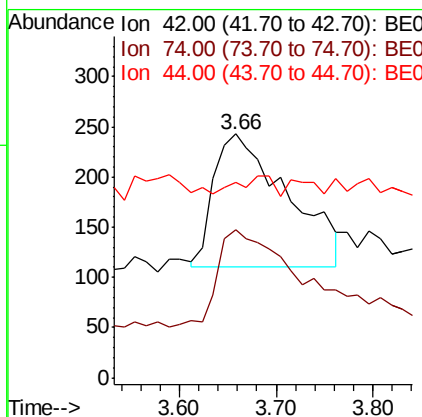
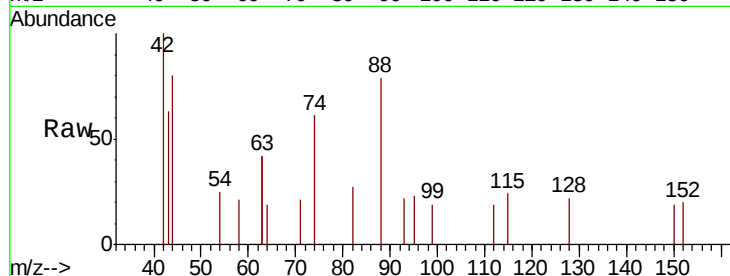
n-Nitrosodimethylamine  
 Concen: 0.274 ng/ml  
 RT: 3.66 min Scan# 69  
 Delta R.T. 0.04 min  
 Lab File: BE098992.D  
 Acq: 16 Mar 2019 7:23

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 39.6  | 57.0  | 85.4# |
| 44      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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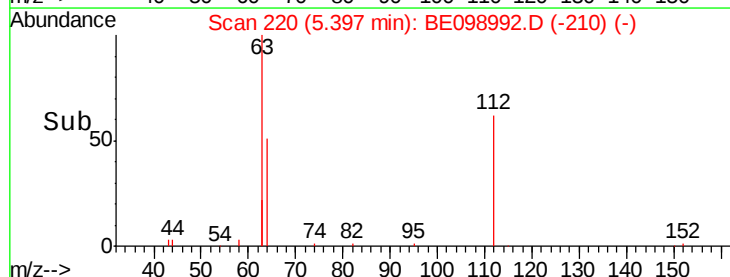
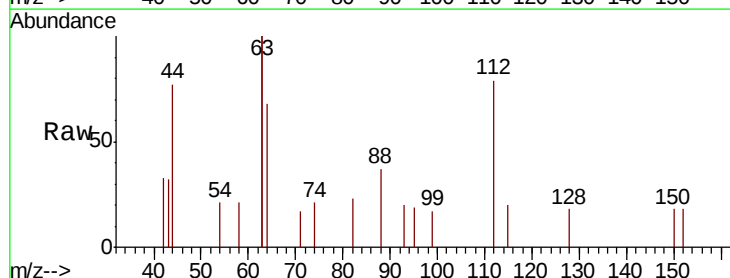
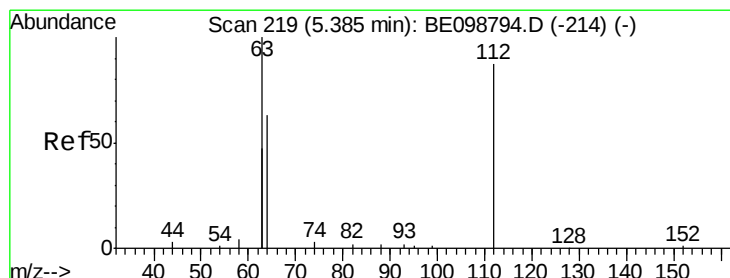
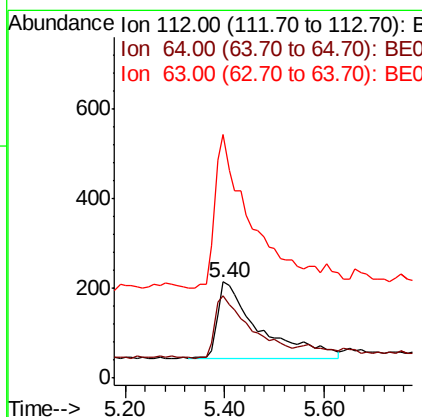
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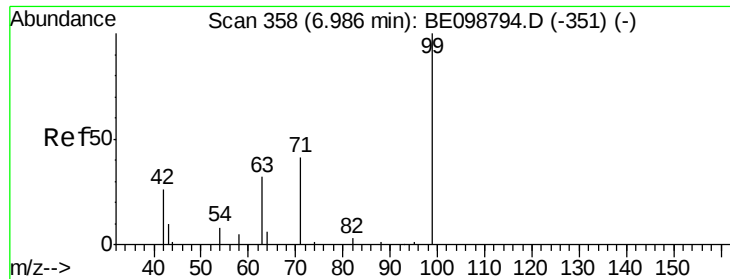


#4

2-Fluorophenol  
 Concen: 0.324 ng/ml  
 RT: 5.40 min Scan# 220  
 Delta R.T. 0.01 min  
 Lab File: BE098992.D  
 Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.7  | 57.9  | 86.9  |
| 63      | 178.9 | 158.3 | 237.5 |





#5

Phenol-d6

Concen: 0.368 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

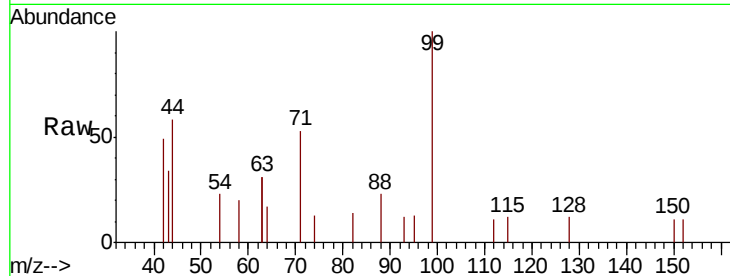
ClientSampleId :

SSTDCCC0.4EC

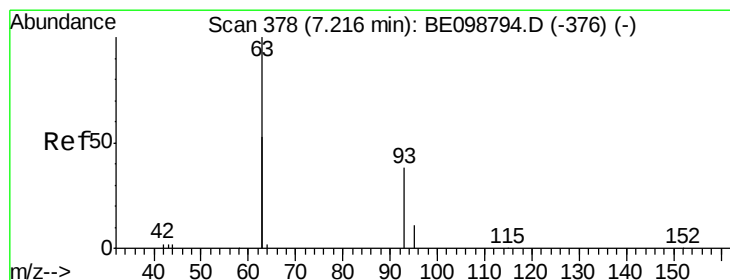
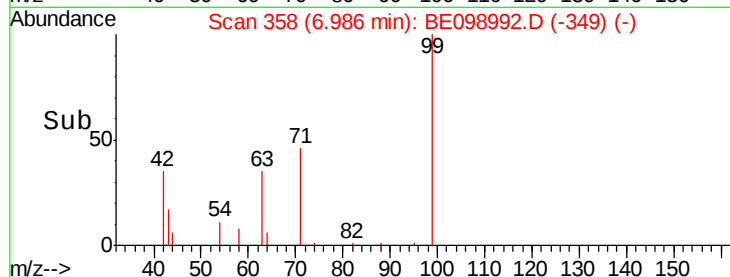
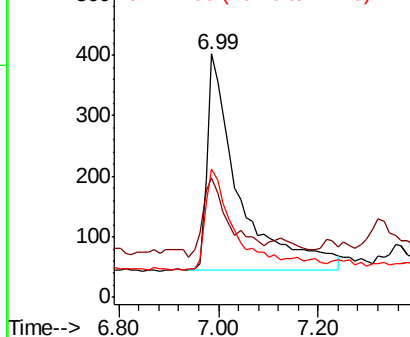
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1571  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 31.4  | 24.2  | 36.2  |
| 71       | 41.8  | 35.7  | 53.5  |

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



#6

bis(2-Chloroethyl)ether

Concen: 0.304 ng

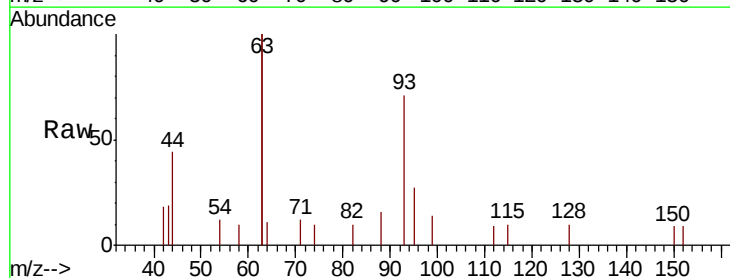
RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

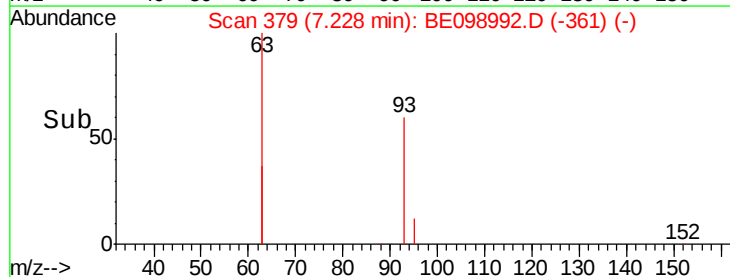
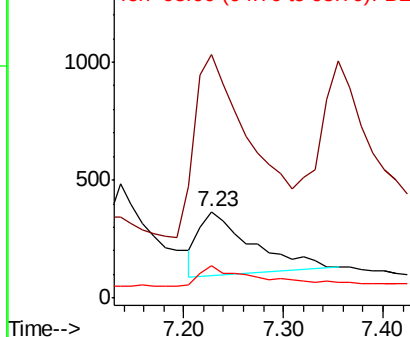
Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1003  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 303.4 | 247.5 | 371.3 |
| 95       | 35.9  | 21.8  | 32.8# |



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

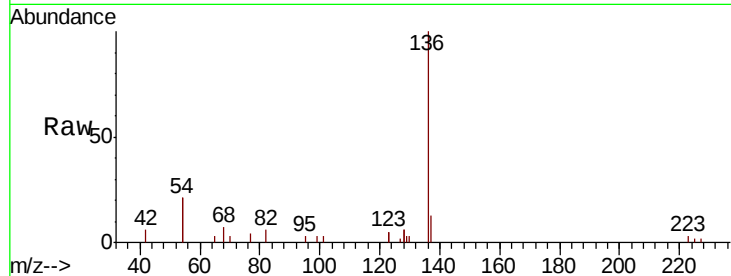
ClientSampleId :

SSTDCCC0.4EC

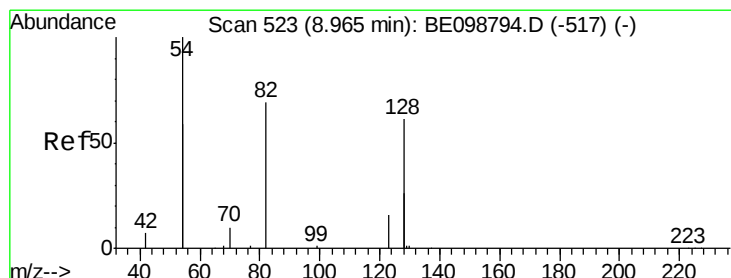
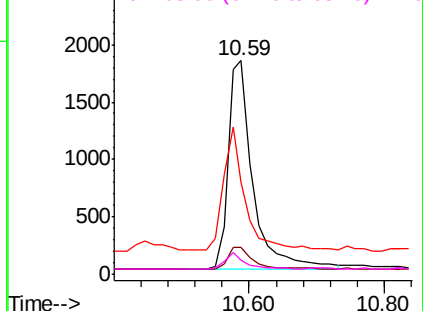
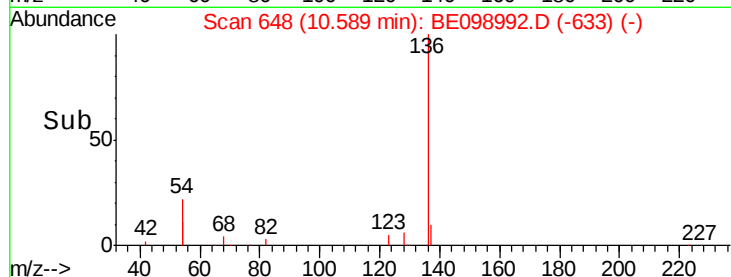
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 136   | Resp: | 4680  |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.7  | 11.4  | 17.0  |
| 54        | 42.9  | 39.3  | 58.9  |
| 68        | 6.7   | 6.7   | 10.1# |

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: 0.340 ng

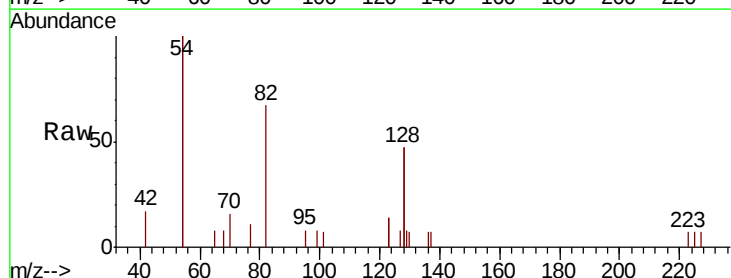
RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

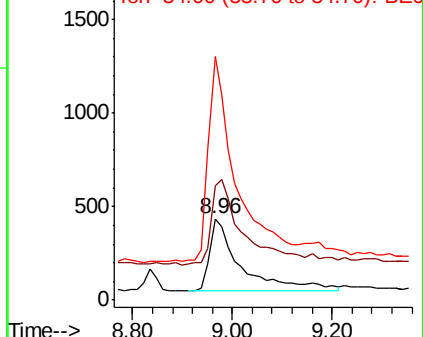
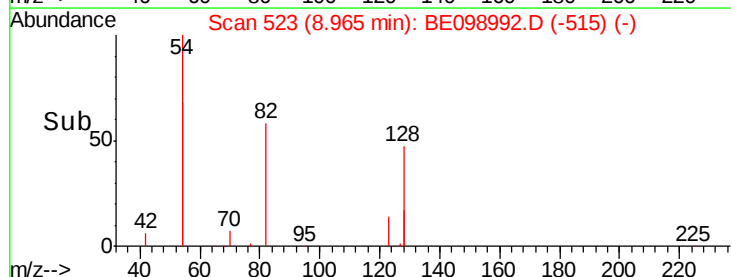
Lab File: BE098992.D

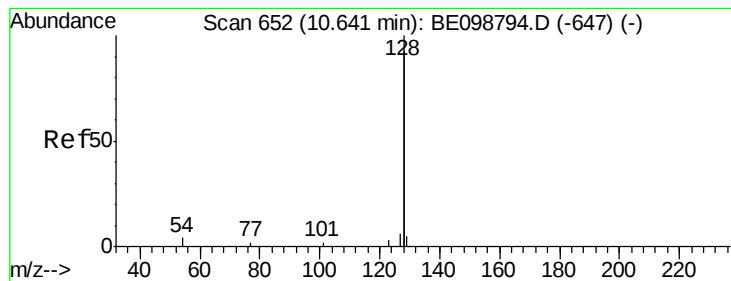
Acq: 16 Mar 2019 7:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 1668  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 140.7 | 123.8 | 185.8 |
| 54        | 299.3 | 203.4 | 305.2 |



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: 0.388 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

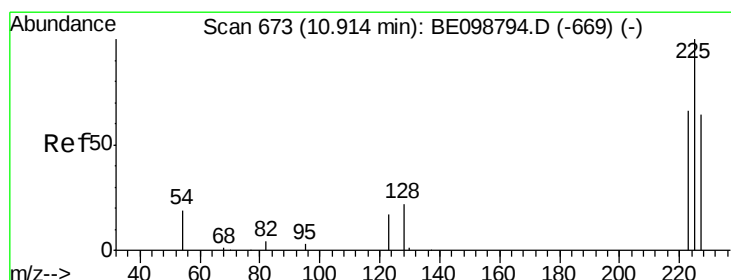
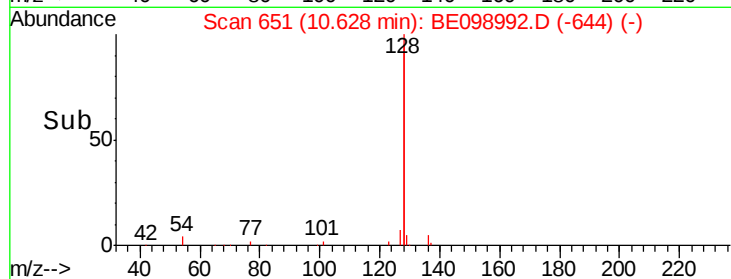
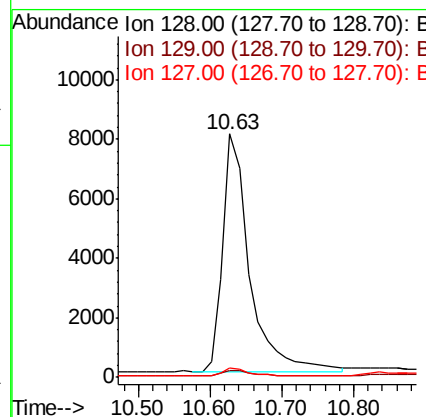
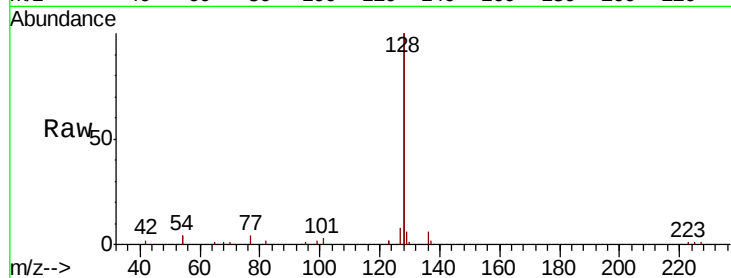
ClientSampleId :

SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 3.1   | 2.6   | 4.0   |
| 127     | 4.0   | 3.1   | 4.7   |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 0.372 ng

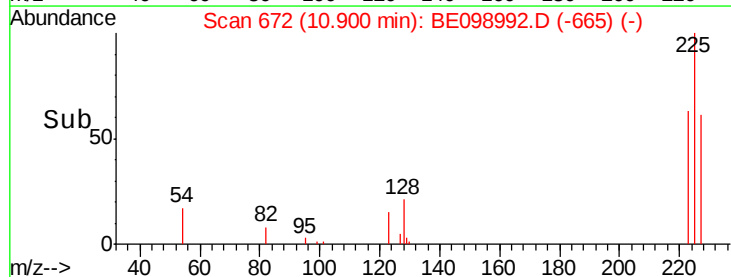
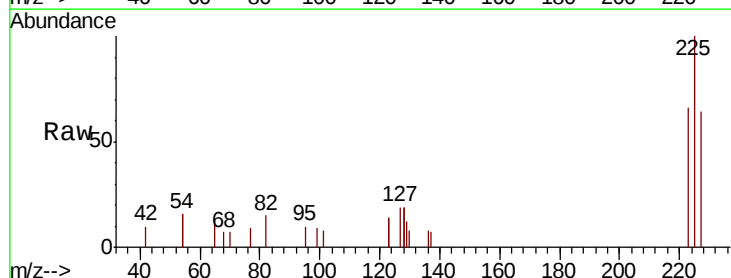
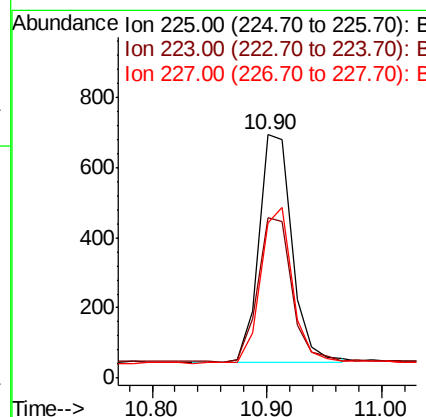
RT: 10.90 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.9  | 51.1  | 76.7  |
| 227     | 65.3  | 51.6  | 77.4  |





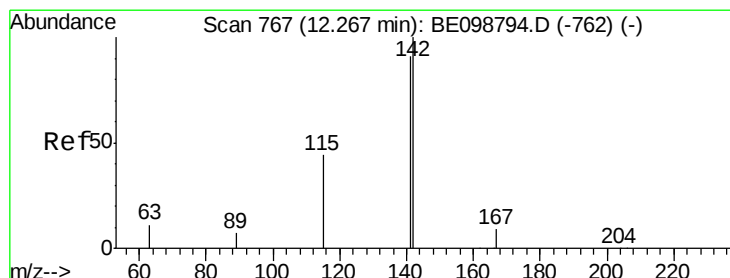
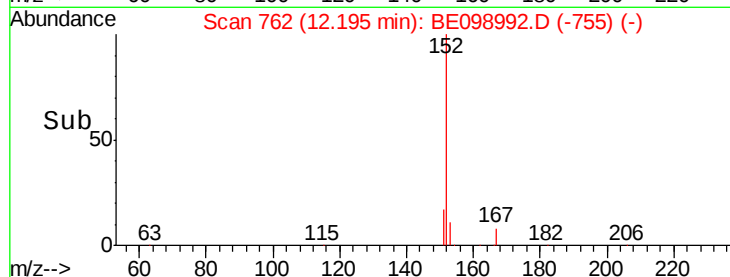
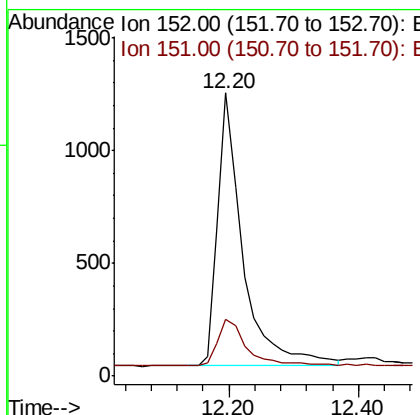
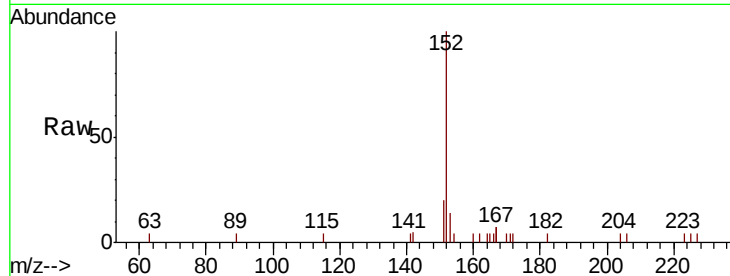
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.376 ng  
 RT: 12.20 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BE098992.D  
 Acq: 16 Mar 2019 7:23

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 16.5  | 24.7  |

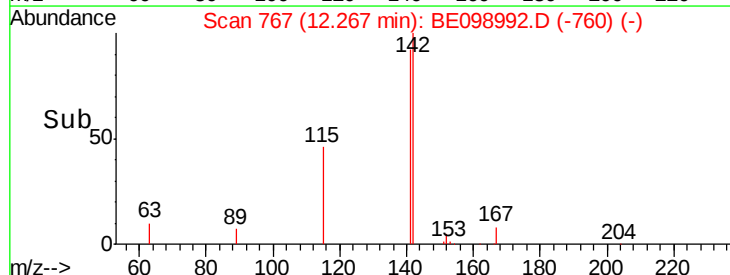
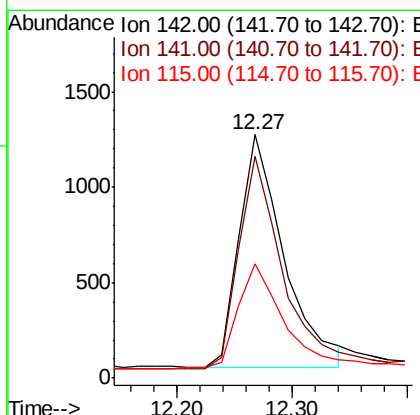
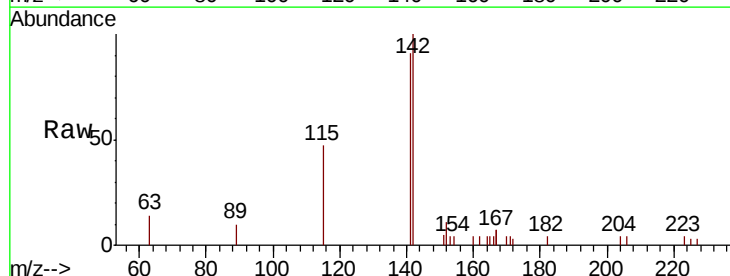
Manual Integrations  
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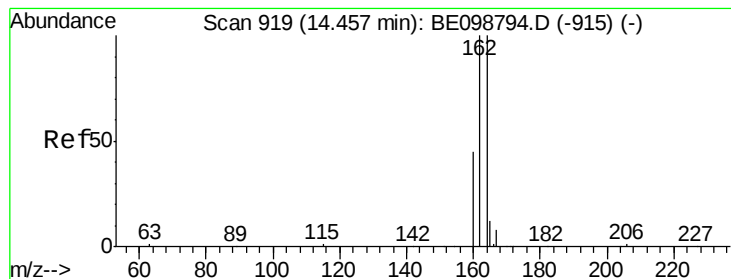
Sohil  
 3/18/2019 3:06:50 PM



#12  
 2-Methylnaphthalene  
 Concen: 0.381 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. 0.00 min  
 Lab File: BE098992.D  
 Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.4  | 72.6  | 108.8 |
| 115     | 47.2  | 37.4  | 56.2  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

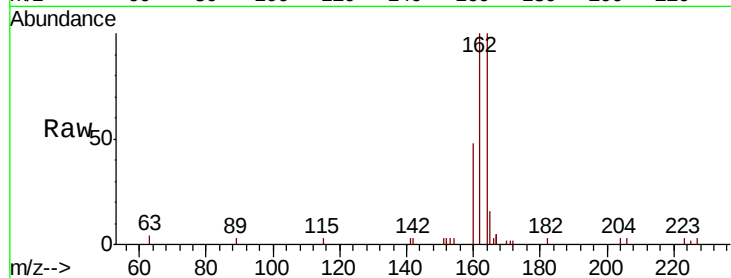
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 2987  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 99.9  | 80.2  | 120.2 |
| 160       | 48.4  | 37.8  | 56.8  |

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3/18/2019 3:06:50 PM

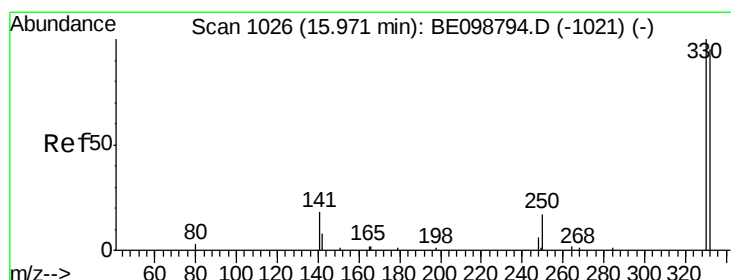
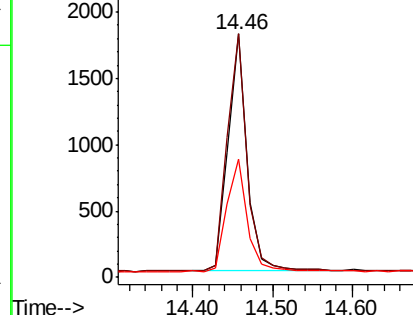
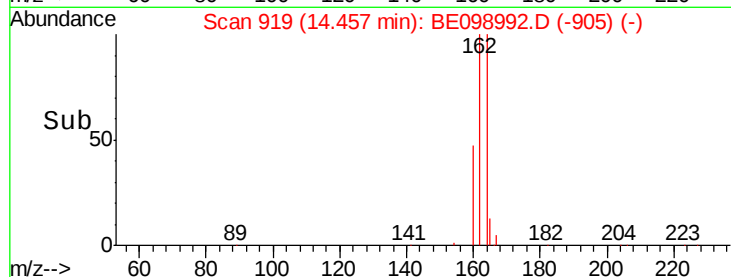


Abundance

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: 0.281 ng

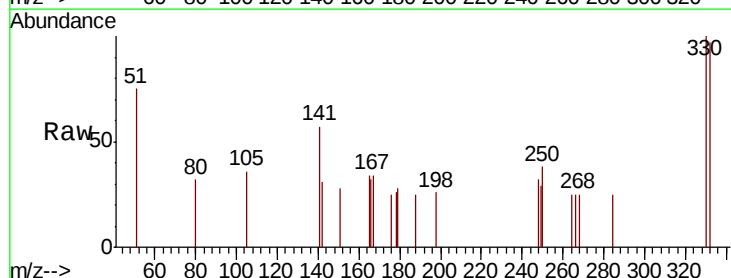
RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 424   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 102.1 | 77.6  | 116.4 |
| 141       | 43.6  | 31.0  | 46.4  |

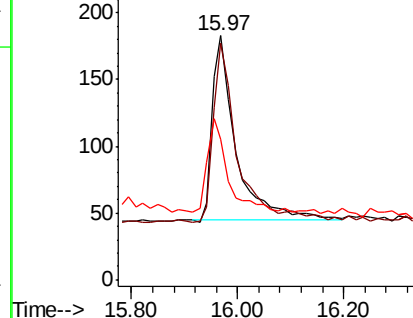
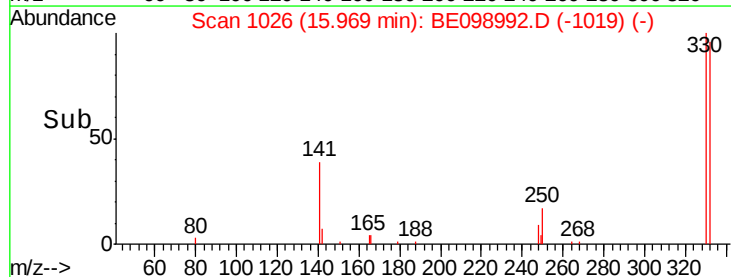


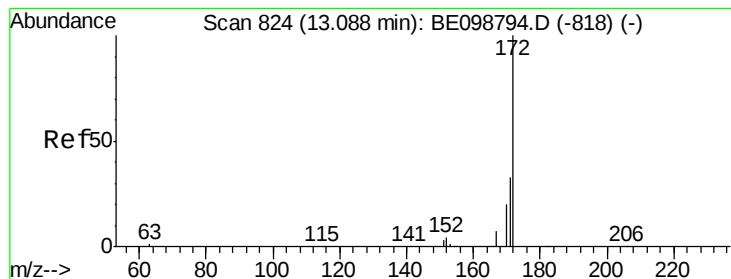
Abundance

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





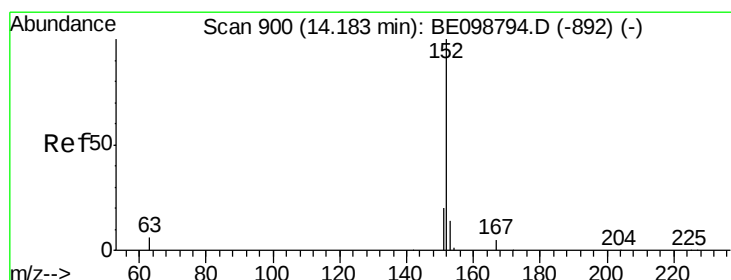
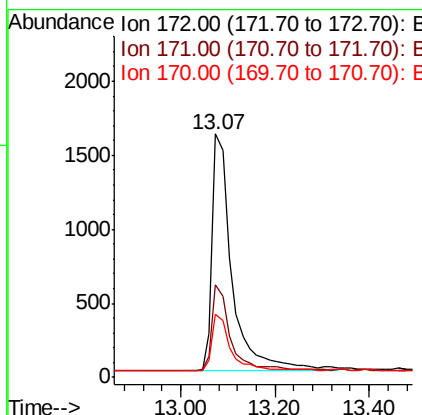
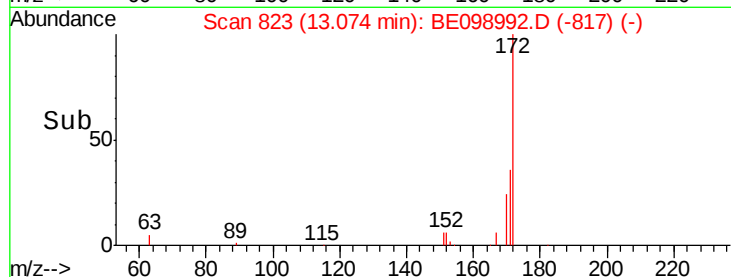
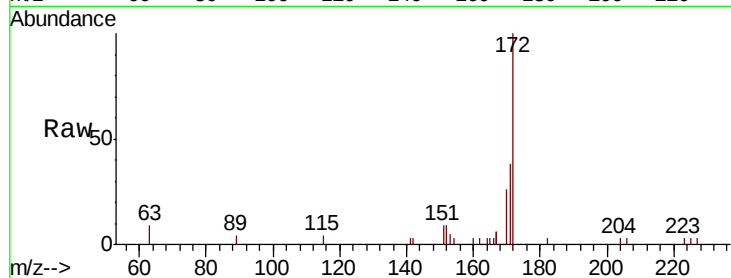
#15  
2-Fluorobiphenyl  
Concen: 0.384 ng  
RT: 13.07 min Scan# 823  
Delta R.T. -0.01 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 28.0  | 42.0  |
| 170     | 26.0  | 17.7  | 26.5  |

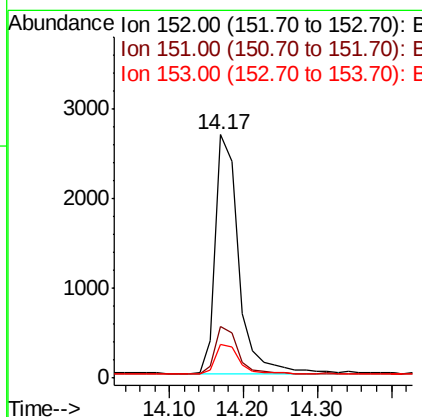
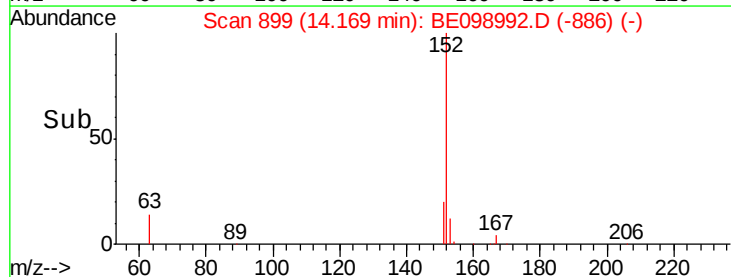
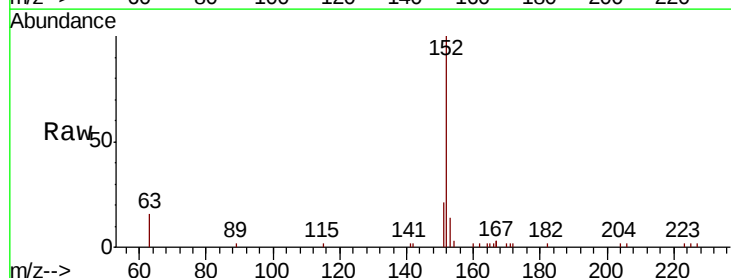
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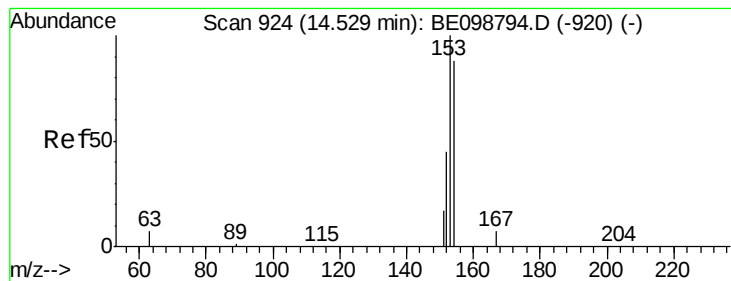
Sohil  
3/18/2019 3:06:50 PM



#16  
Acenaphthylene  
Concen: 0.381 ng  
RT: 14.17 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 17.0  | 25.6  |
| 153     | 12.5  | 11.2  | 16.8  |





#17

Acenaphthene

Concen: 0.398 ng

RT: 14.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

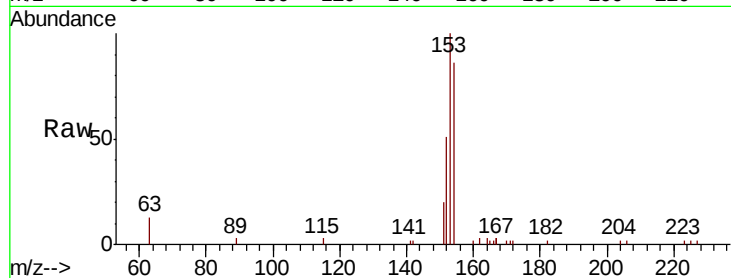
ClientSampleId :

SSTDCCC0.4EC

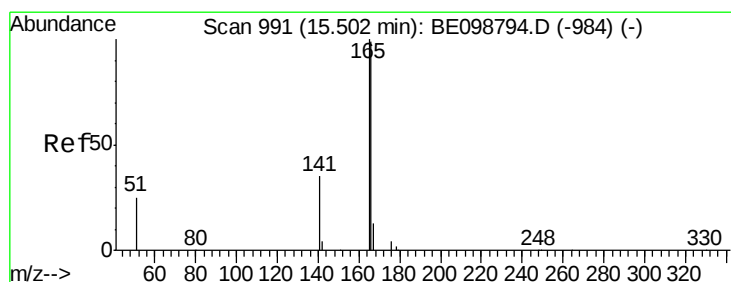
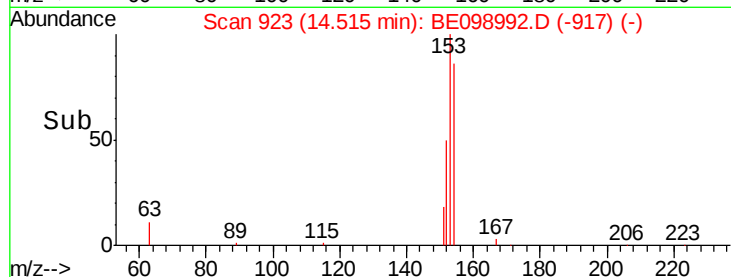
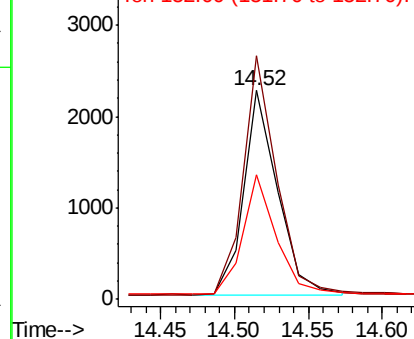
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 3624  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 114.9 | 94.2  | 141.4 |
| 152       | 57.9  | 45.0  | 67.4  |

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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: 0.369 ng

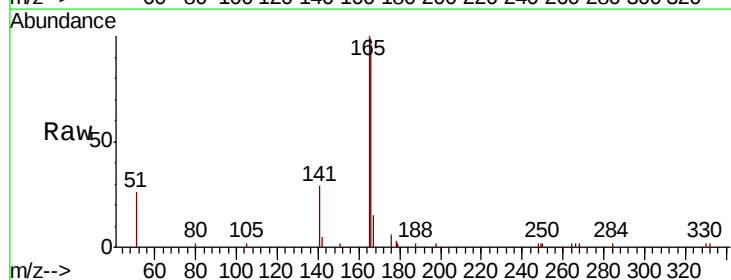
RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

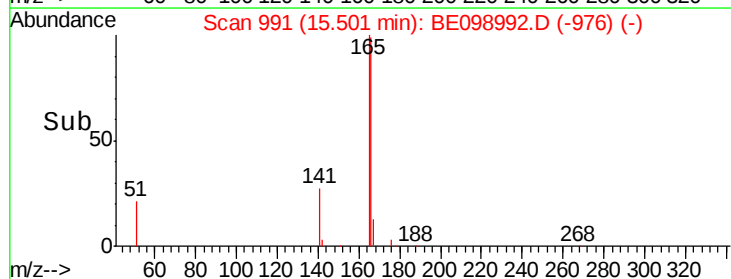
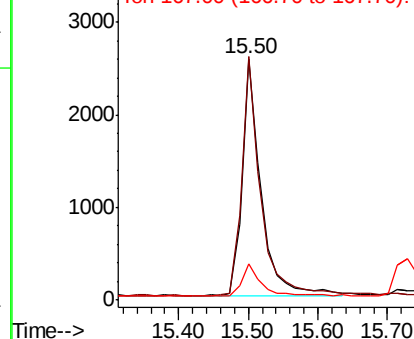
Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 4848  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.8  | 79.3  | 118.9 |
| 167       | 13.4  | 10.5  | 15.7  |



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





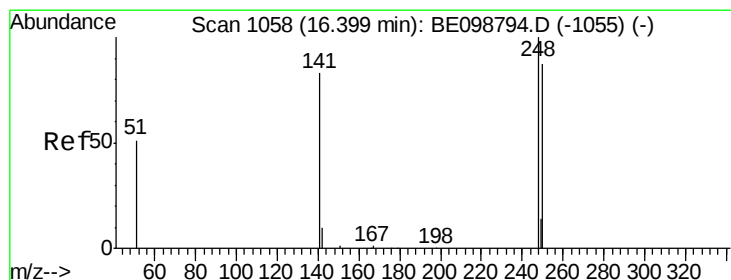
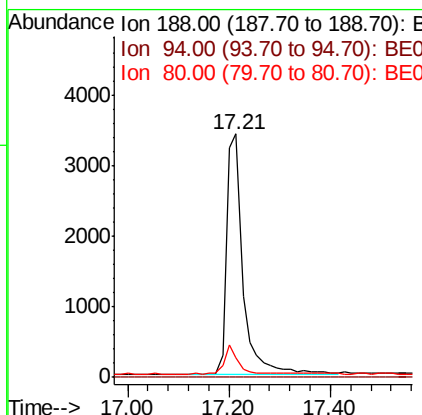
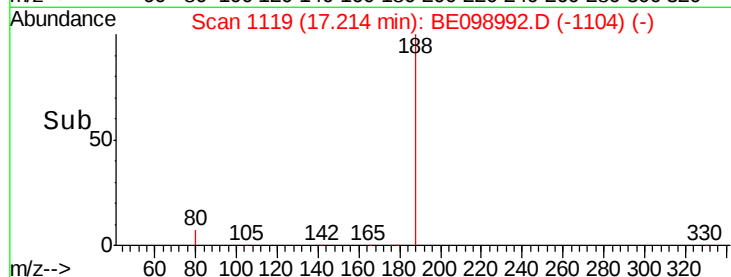
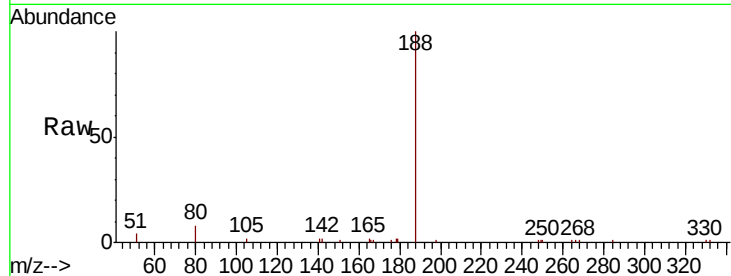
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.21 min Scan# 1119  
Delta R.T. -0.00 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 0.0   | 0.0        | 0.0   |
| 80      | 8.1   | 6.3        | 9.5   |

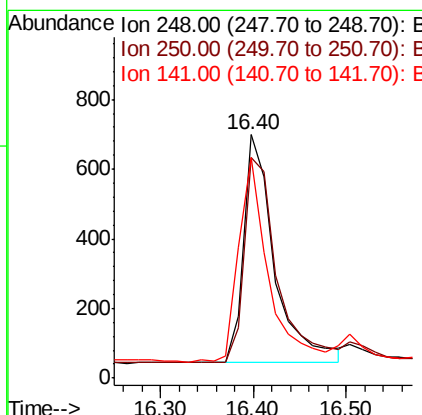
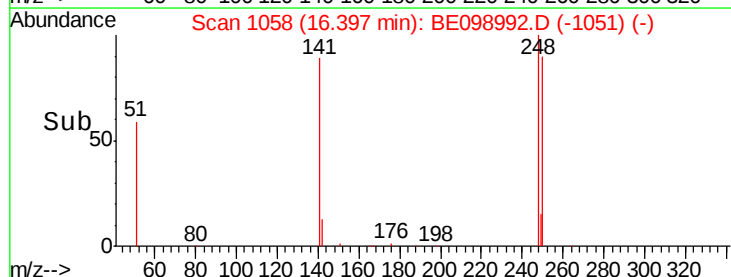
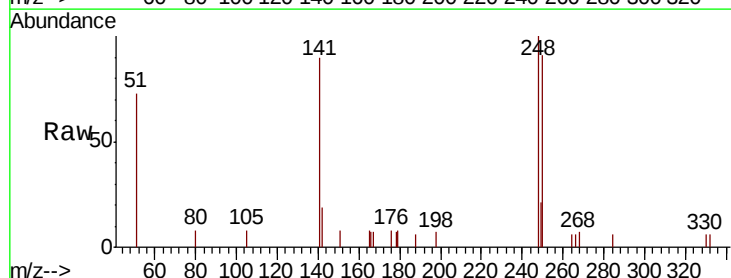
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3/18/2019 3:06:50 PM



#20  
4-Bromophenyl-phenylether  
Concen: 0.367 ng  
RT: 16.40 min Scan# 1058  
Delta R.T. -0.00 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 248     | 100   |            |       |
| 250     | 90.7  | 70.6       | 105.8 |
| 141     | 90.4  | 68.6       | 102.8 |





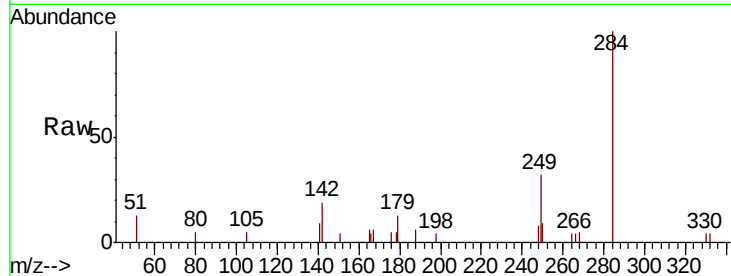
#21  
Hexachlorobenzene  
Concen: 0.378 ng  
RT: 16.52 min Scan# 1067  
Delta R.T. -0.00 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

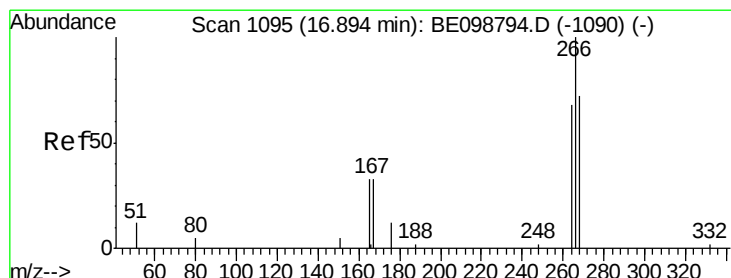
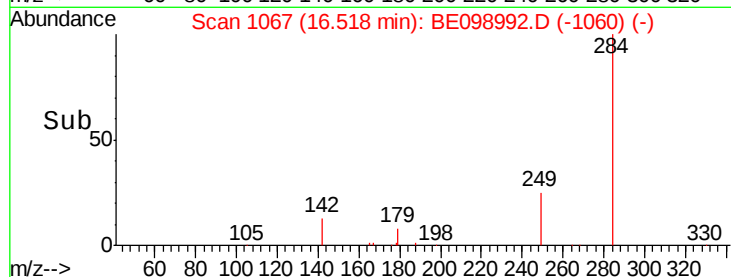
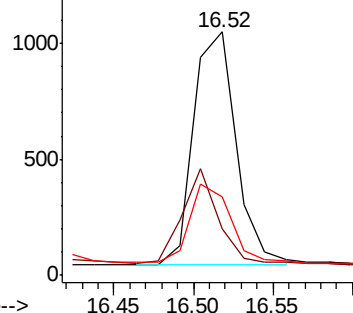
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.3  | 28.7  | 43.1  |
| 249     | 32.2  | 29.6  | 44.4  |

Manual Integrations  
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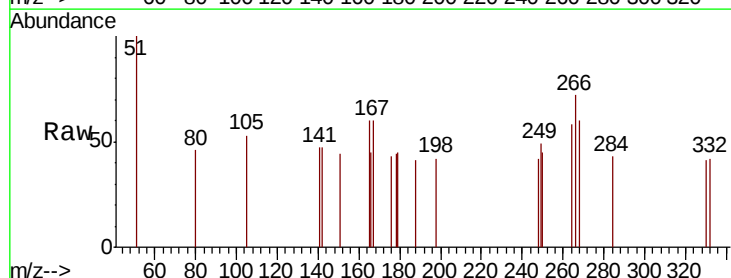


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

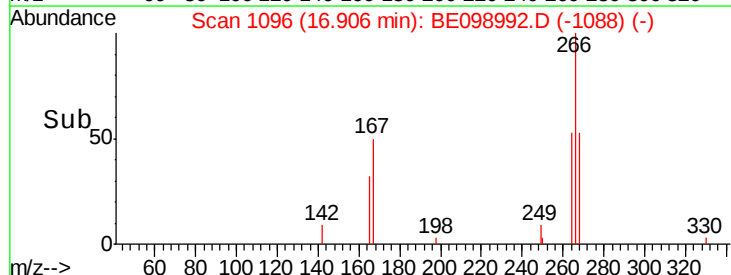
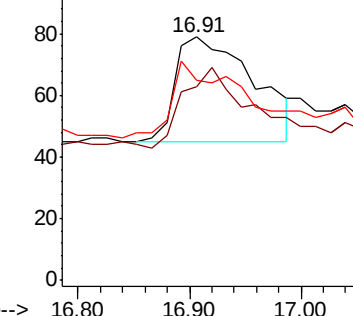


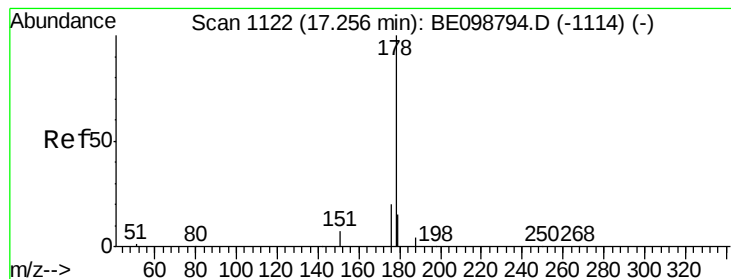
#22  
Pentachlorophenol  
Concen: 0.363 ng  
RT: 16.91 min Scan# 1096  
Delta R.T. 0.01 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 79.7  | 66.6  | 100.0 |
| 268     | 82.3  | 69.8  | 104.8 |



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: 0.356 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

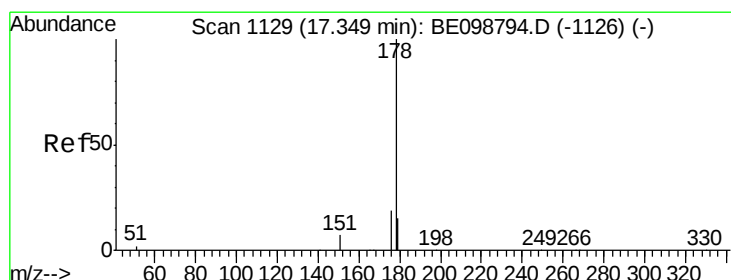
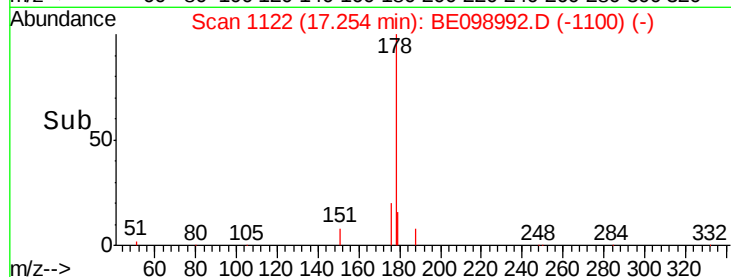
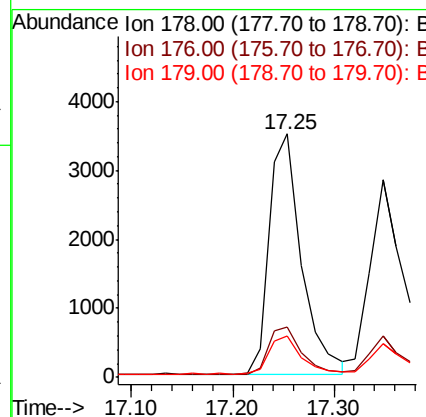
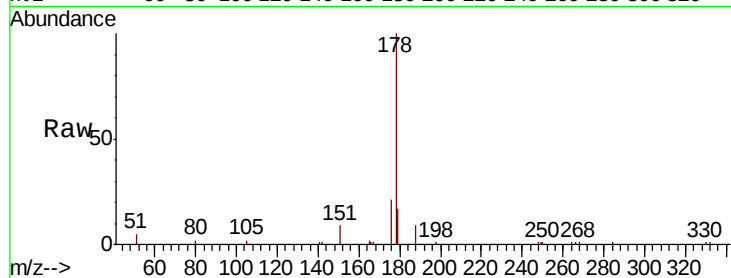
ClientSampleId :

SSTDCCC0.4EC

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 7695      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 20.1  | 16.0 24.0 |
| 179         | 15.8  | 12.1 18.1 |

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Sohil  
3/18/2019 3:06:50 PM



#24

Anthracene

Concen: 0.315 ng

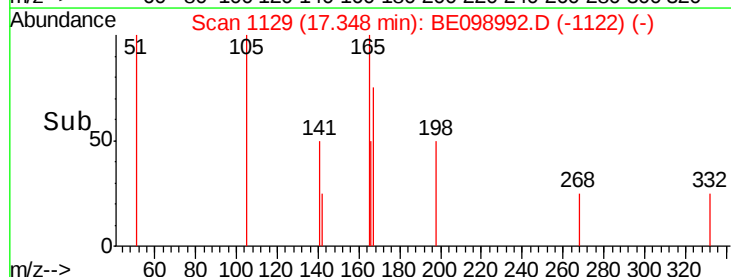
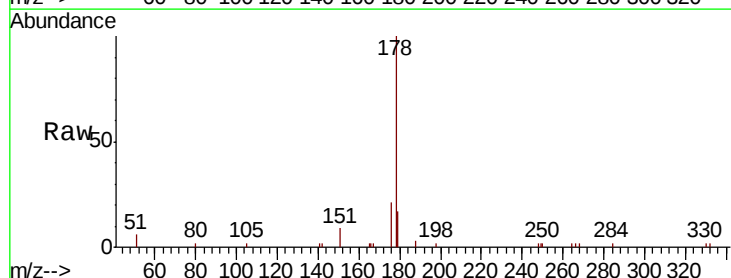
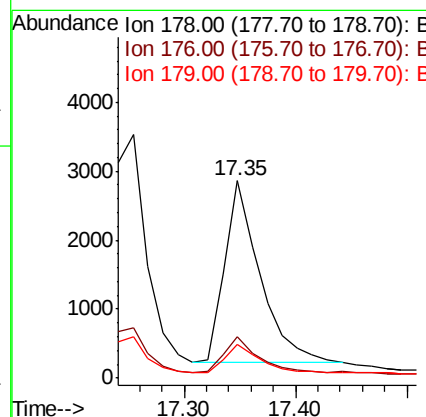
RT: 17.35 min Scan# 1129

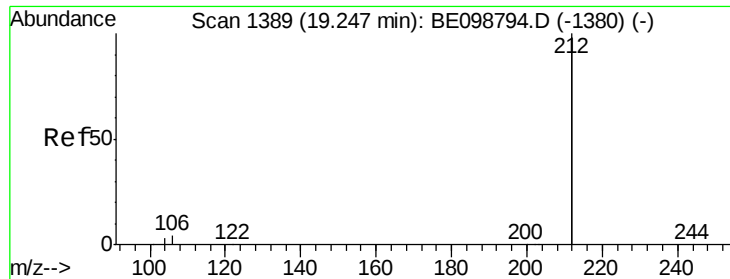
Delta R.T. -0.00 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 5831      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.8  | 15.4 23.0 |
| 179         | 15.1  | 12.2 18.4 |





#25

Fluoranthene-d10

Concen: 0.333 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

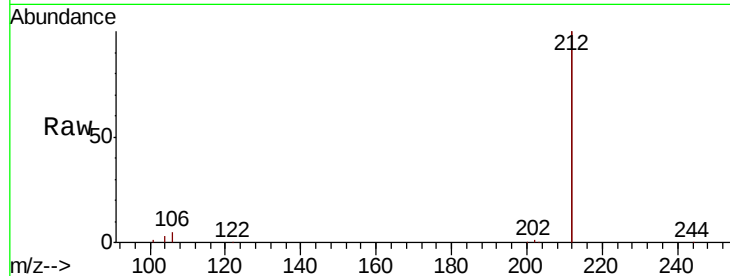
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 40419 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.4   | 1.8   | 2.8   |
| 104       | 1.4   | 1.0   | 1.6   |

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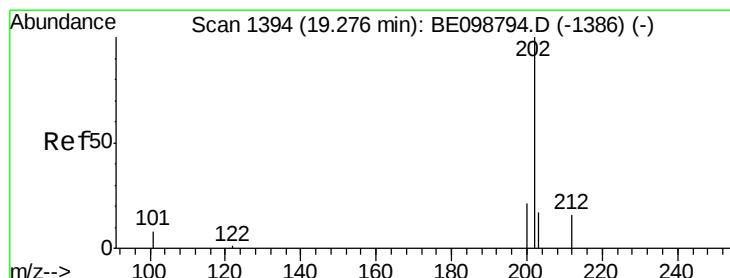
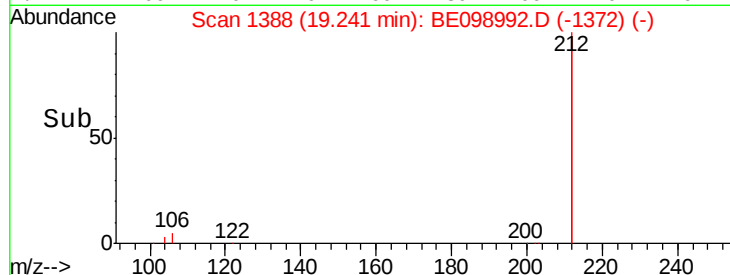
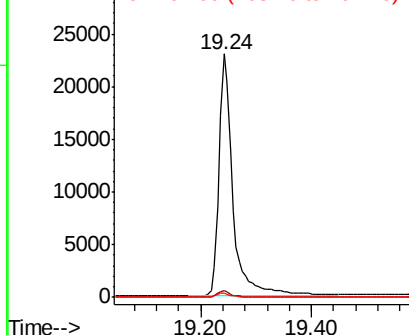


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.331 ng

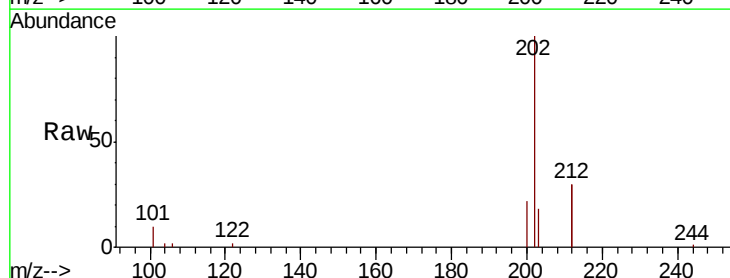
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 10115 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.2   | 7.3   | 10.9  |
| 203       | 17.1  | 13.4  | 20.2  |

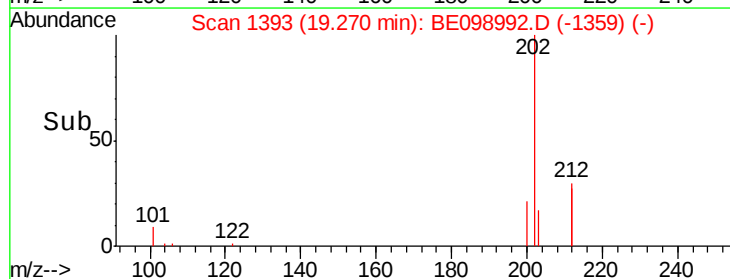
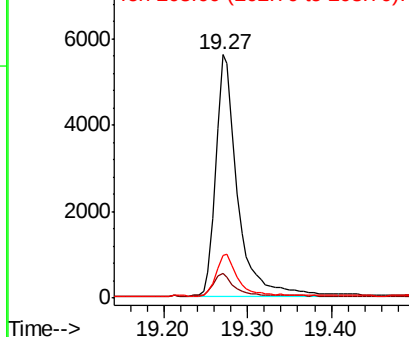


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





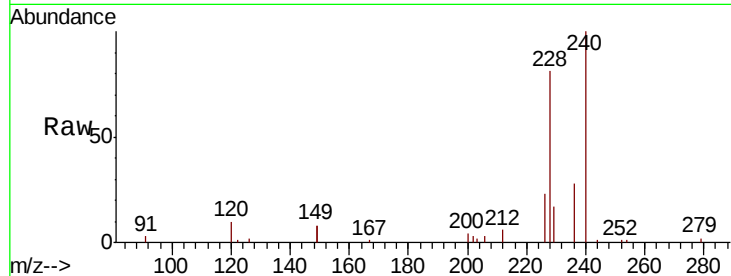
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.39 min Scan# 1632  
Delta R.T. -0.01 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.8   | 5.0   | 7.4#  |
| 236     | 28.4  | 22.7  | 34.1  |

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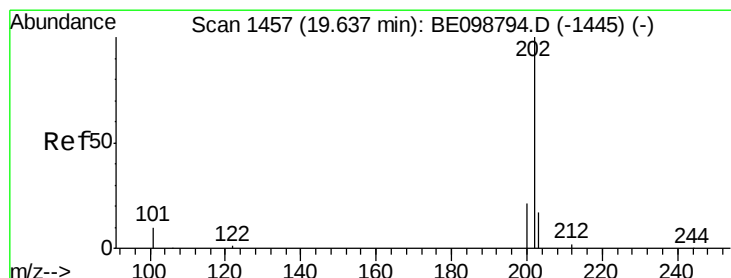
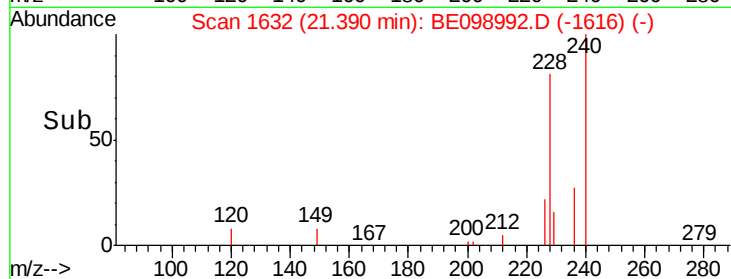
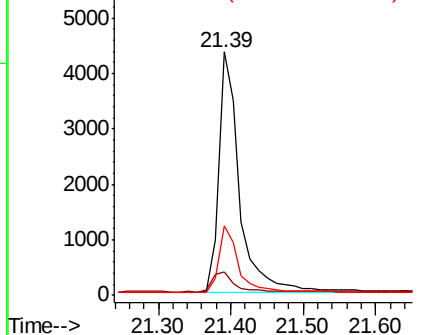


Abundance

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: 0.386 ng  
RT: 19.64 min Scan# 1457  
Delta R.T. 0.00 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

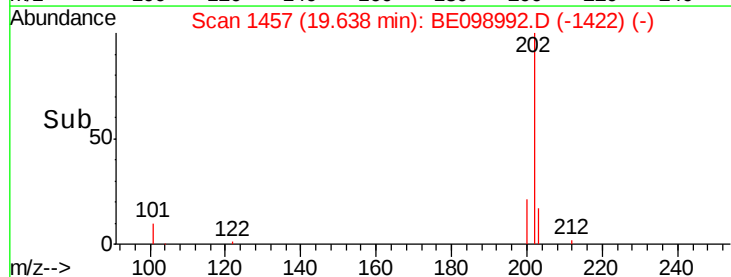
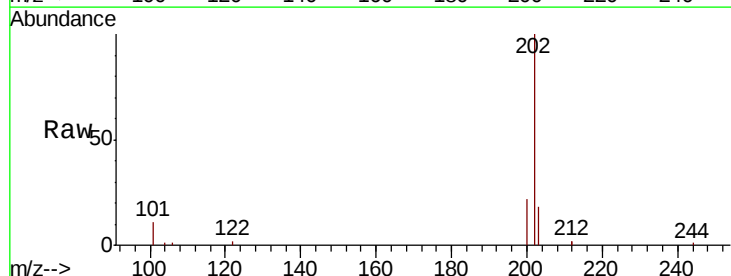
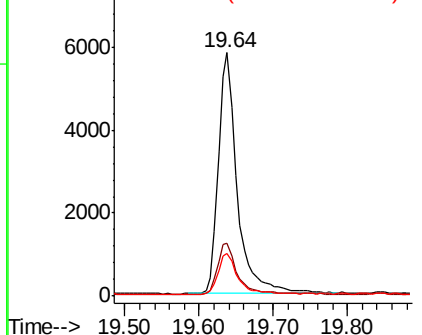
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.8  | 17.0  | 25.6  |
| 203     | 17.2  | 14.2  | 21.2  |

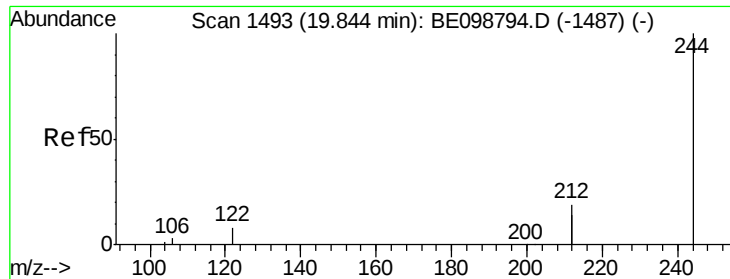
Abundance

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





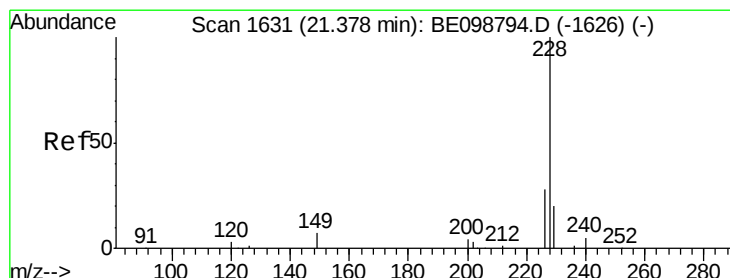
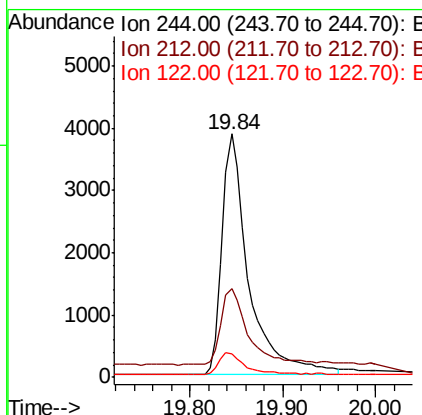
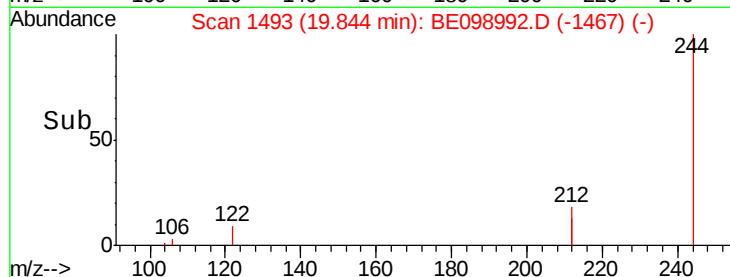
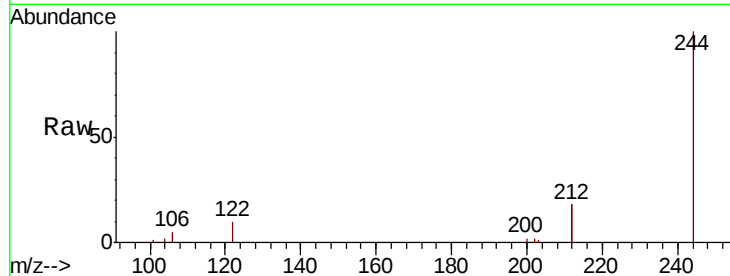
#29  
 Terphenyl-d14  
 Concen: 0.363 ng  
 RT: 19.84 min Scan# 1493  
 Delta R.T. 0.00 min  
 Lab File: BE098992.D  
 Acq: 16 Mar 2019 7:23

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 36.2  | 29.4  | 44.2  |
| 122     | 9.8   | 7.1   | 10.7  |

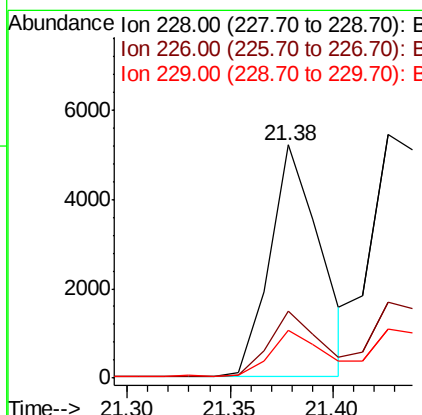
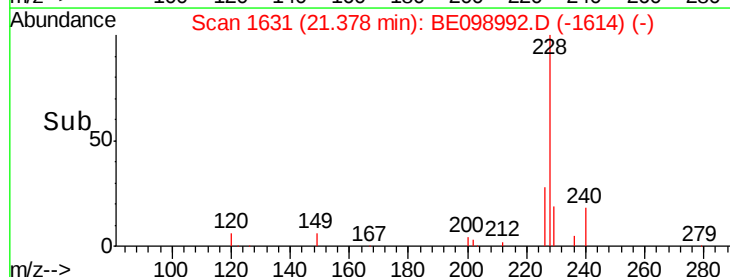
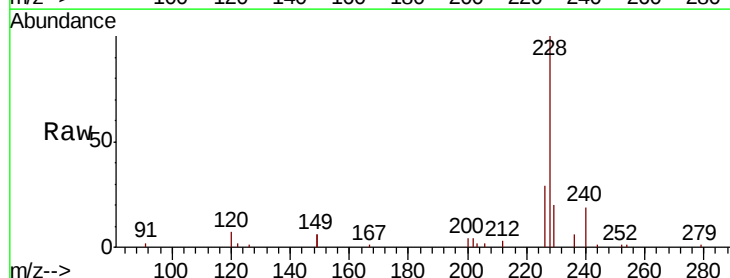
Manual Integrations  
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#30  
 Benzo(a)anthracene  
 Concen: 0.323 ng  
 RT: 21.38 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: BE098992.D  
 Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 23.0  | 34.4  |
| 229     | 20.4  | 16.5  | 24.7  |





#31

Chrysene

Concen: 0.395 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

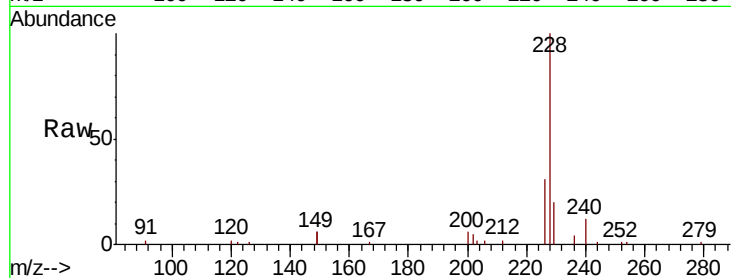
ClientSampleId :

SSTDCCC0.4EC

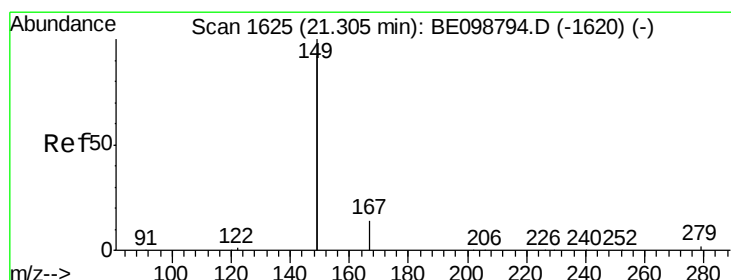
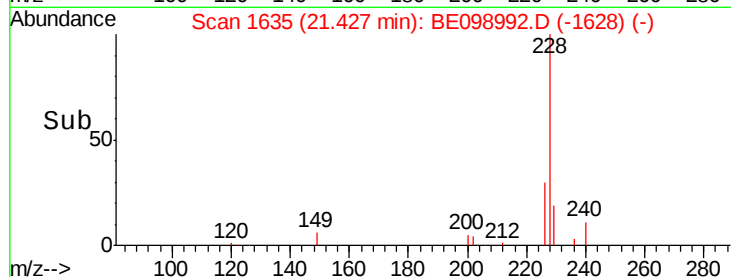
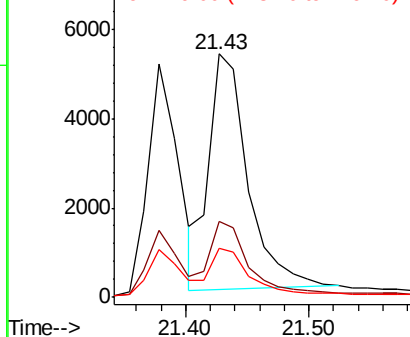
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 11585 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.0  | 23.7  | 35.5  |
| 229       | 20.0  | 16.1  | 24.1  |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.337 ng

RT: 21.29 min Scan# 1624

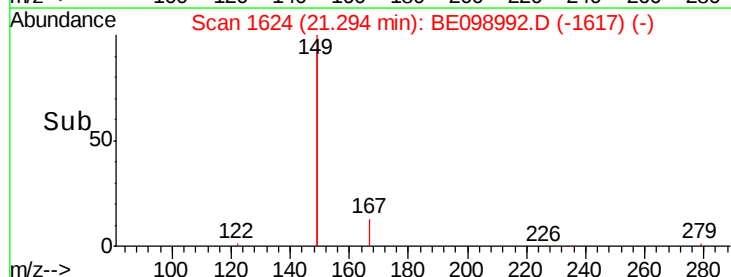
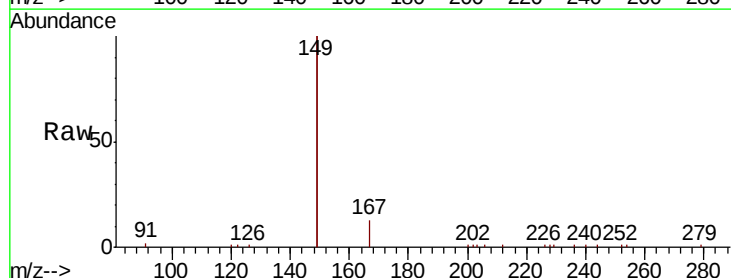
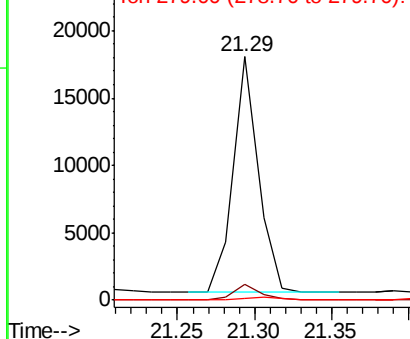
Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 19656 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 6.7   | 5.4   | 8.0   |
| 279       | 1.0   | 1.0   | 1.4   |

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





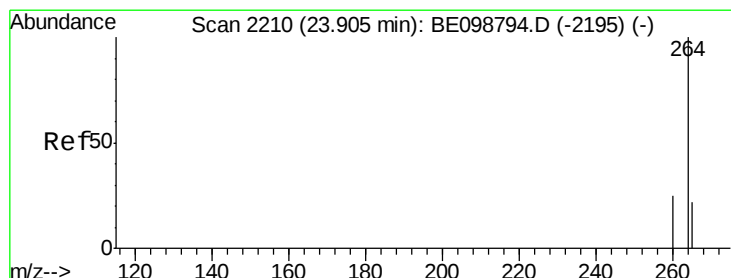
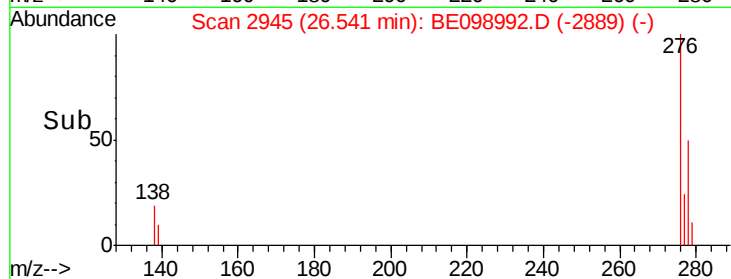
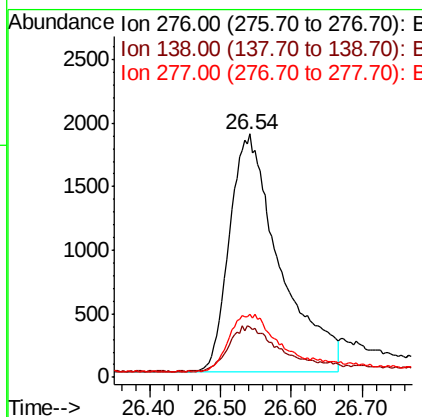
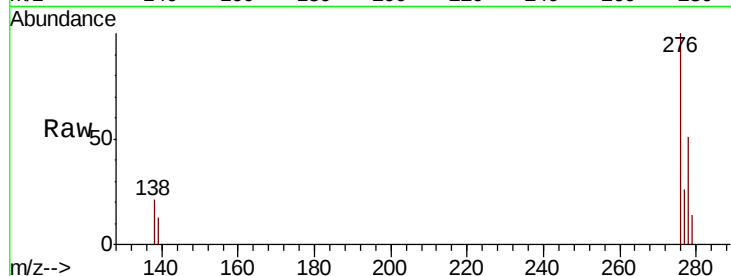
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.300 ng  
RT: 26.54 min Scan# 2945  
Delta R.T. 0.00 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.3  | 13.8  | 20.8  |
| 277     | 23.0  | 19.5  | 29.3  |

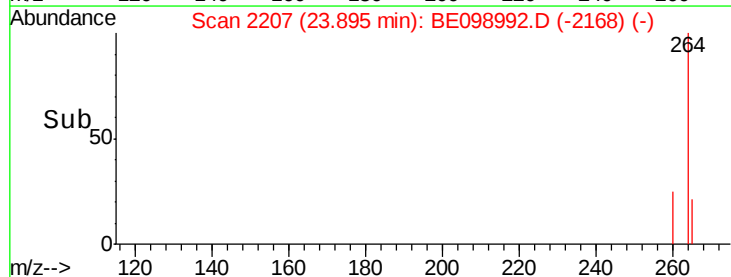
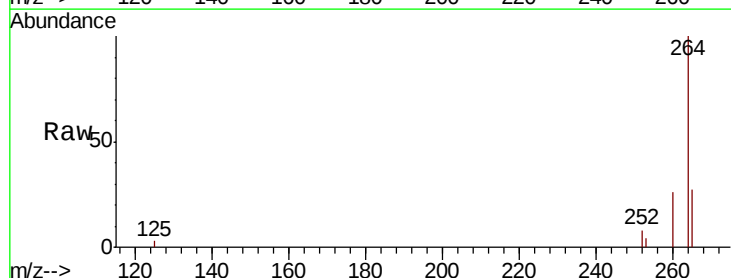
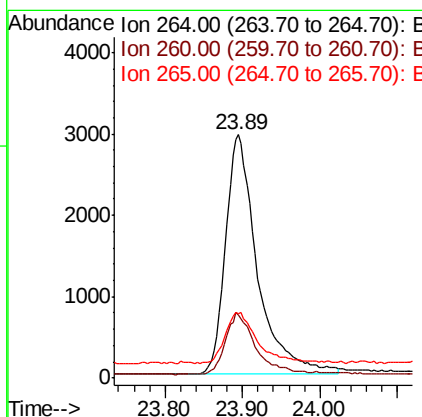
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.89 min Scan# 2207  
Delta R.T. -0.01 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.9  | 21.2  | 31.8  |
| 265     | 26.7  | 24.6  | 36.8  |





#35

Benzo(b)fluoranthene

Concen: 0.364 ng/mL

RT: 23.13 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

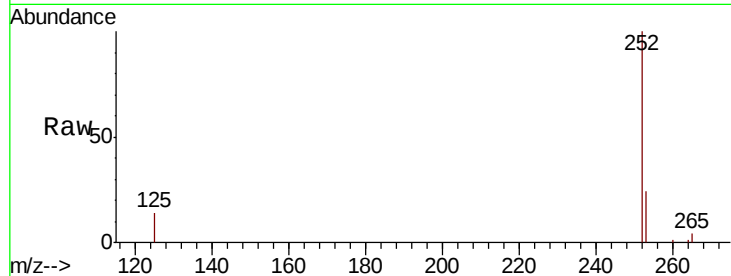
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 10082 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.4  | 18.2  | 27.2  |
| 125       | 14.5  | 7.3   | 10.9# |

Manual Integrations  
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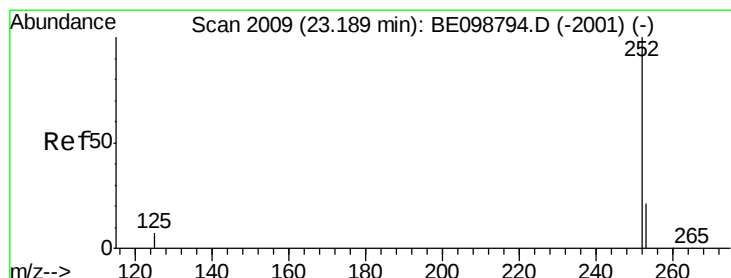
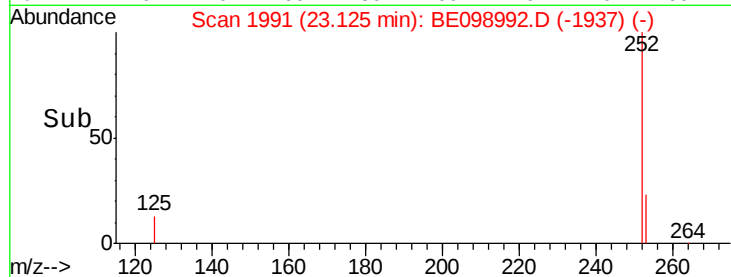
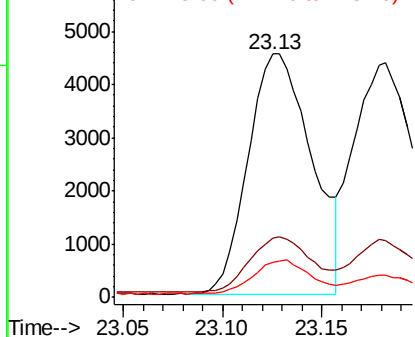


Abundance

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: 0.375 ng/mL

RT: 23.18 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

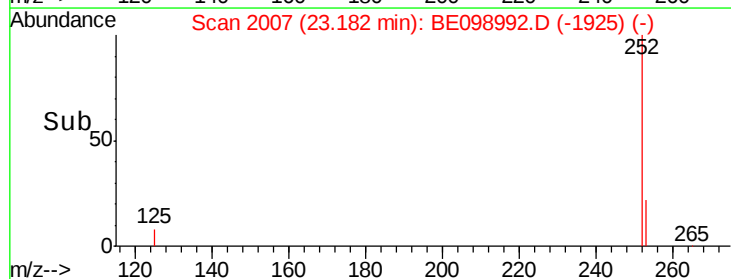
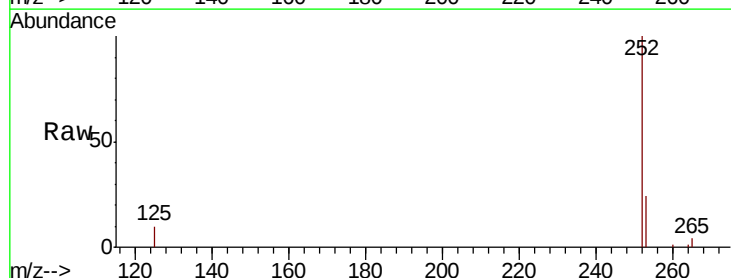
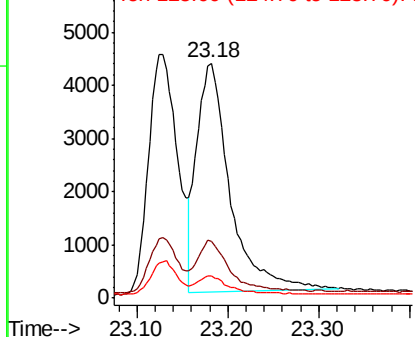
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 10884 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.3  | 19.3  | 28.9  |
| 125       | 9.7   | 7.5   | 11.3  |

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





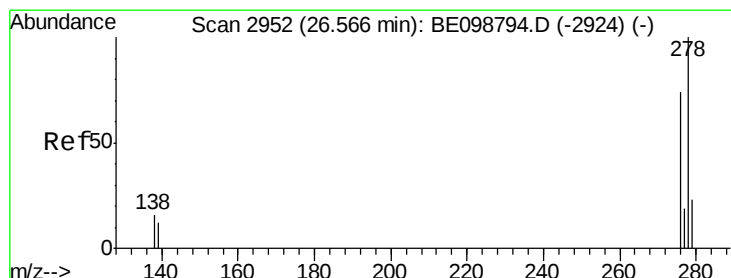
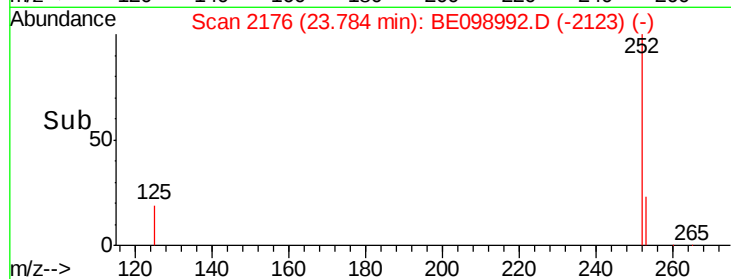
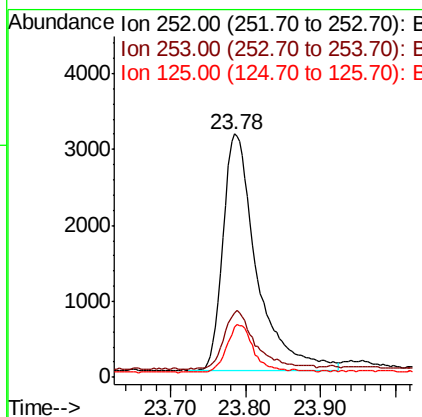
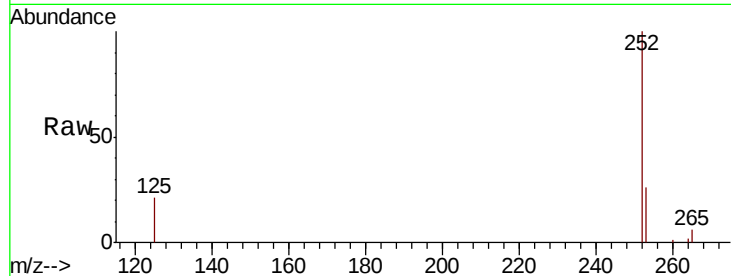
#37  
Benzo(a)pyrene  
Concen: 0.369 ng  
RT: 23.78 min Scan# 2176  
Delta R.T. -0.01 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.3  | 19.9  | 29.9  |
| 125     | 20.6  | 9.0   | 13.4  |

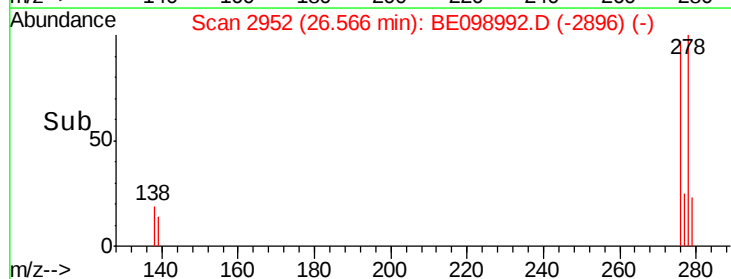
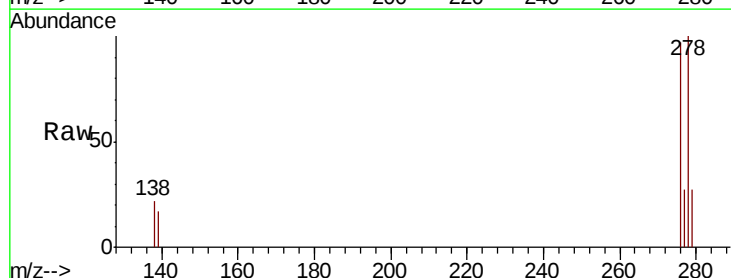
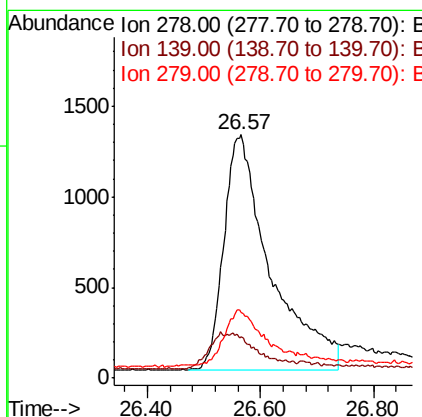
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.295 ng  
RT: 26.57 min Scan# 2952  
Delta R.T. 0.00 min  
Lab File: BE098992.D  
Acq: 16 Mar 2019 7:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.9  | 11.8  | 17.6  |
| 279     | 27.0  | 21.1  | 31.7  |





#39

Benzo(a,h,i)perylene

Concen: 0.322 ng

RT: 27.34 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BE098992.D

Acq: 16 Mar 2019 7:23

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 8463 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 25.3  | 20.4  | 30.6 |
| 138       | 18.1  | 13.6  | 20.4 |

Manual Integrations  
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