

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\  
 Data File : BE092671.D  
 Acq On : 24 Jan 2017 18:31  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

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 1/25/2017 4:52:54 PM

Quant Time: Jan 25 13:12:36 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 17 10:14:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 10891    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.91 | 136  | 50946    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.78 | 164  | 34452    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.53 | 188  | 75060    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.72 | 240  | 88279    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.07 | 264  | 93419    | 5.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.68  | 112  | 693      | 0.29 | ng    | 0.02     |
| 5) Phenol-d6                | 7.36  | 99   | 916      | 0.31 | ng    | 0.02     |
| 8) Nitrobenzene-d5          | 9.34  | 82   | 1079m    | 0.33 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 16.33 | 330  | 313      | 0.43 | ng    | 0.03     |
| 14) 2-Fluorobiphenyl        | 13.42 | 172  | 3179     | 0.38 | ng    | 0.00     |
| 26) Terphenyl-d14           | 20.16 | 244  | 4449     | 0.36 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.37  | 88   | 589      | 0.34 | ng    | 91     |
| 3) n-Nitrosodimethylamine      | 3.79  | 42   | 451      | 0.23 | ng    | # 93   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93   | 1083m    | 0.34 | ng    |        |
| 9) Naphthalene                 | 10.97 | 128  | 4140     | 0.39 | ng    | 100    |
| 10) Hexachlorobutadiene        | 11.26 | 225  | 616      | 0.39 | ng    | 99     |
| 11) 2-Methylnaphthalene        | 12.62 | 142  | 2440     | 0.37 | ng    | 95     |
| 15) Acenaphthylene             | 14.51 | 152  | 17787    | 0.37 | ng    | 100    |
| 16) Acenaphthene               | 14.85 | 154  | 3046     | 0.40 | ng    | 95     |
| 17) Fluorene                   | 15.84 | 166  | 3612     | 0.38 | ng    | 99     |
| 19) Hexachlorobenzene          | 16.87 | 284  | 1209m    | 0.41 | ng    |        |
| 21) Phenanthrene               | 17.58 | 178  | 6925     | 0.42 | ng    | # 95   |
| 22) Anthracene                 | 17.69 | 178  | 5873     | 0.38 | ng    | 99     |
| 23) Fluoranthene               | 19.59 | 202  | 29625    | 0.40 | ng    | 99     |
| 25) Pyrene                     | 19.95 | 202  | 31548    | 0.36 | ng    | 99     |
| 27) Benzo(a)anthracene         | 21.70 | 228  | 32453m   | 0.37 | ng    |        |
| 28) Chrysene                   | 21.75 | 228  | 40806m   | 0.42 | ng    |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 3426     | 0.40 | ng    | # 74   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 37824    | 0.36 | ng    | 99     |
| 32) Benzo(b)fluoranthene       | 23.35 | 252  | 8755     | 0.39 | ng    | 97     |
| 33) Benzo(k)fluoranthene       | 23.39 | 252  | 8581     | 0.38 | ng    | 98     |
| 34) Benzo(a)pyrene             | 23.96 | 252  | 7852     | 0.37 | ng    | 98     |
| 35) Dibenzo(a,h)anthracene     | 26.58 | 278  | 7600     | 0.37 | ng    | 99     |
| 36) Benzo(g,h,i)perylene       | 27.31 | 276  | 32887    | 0.37 | ng    | 99     |

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

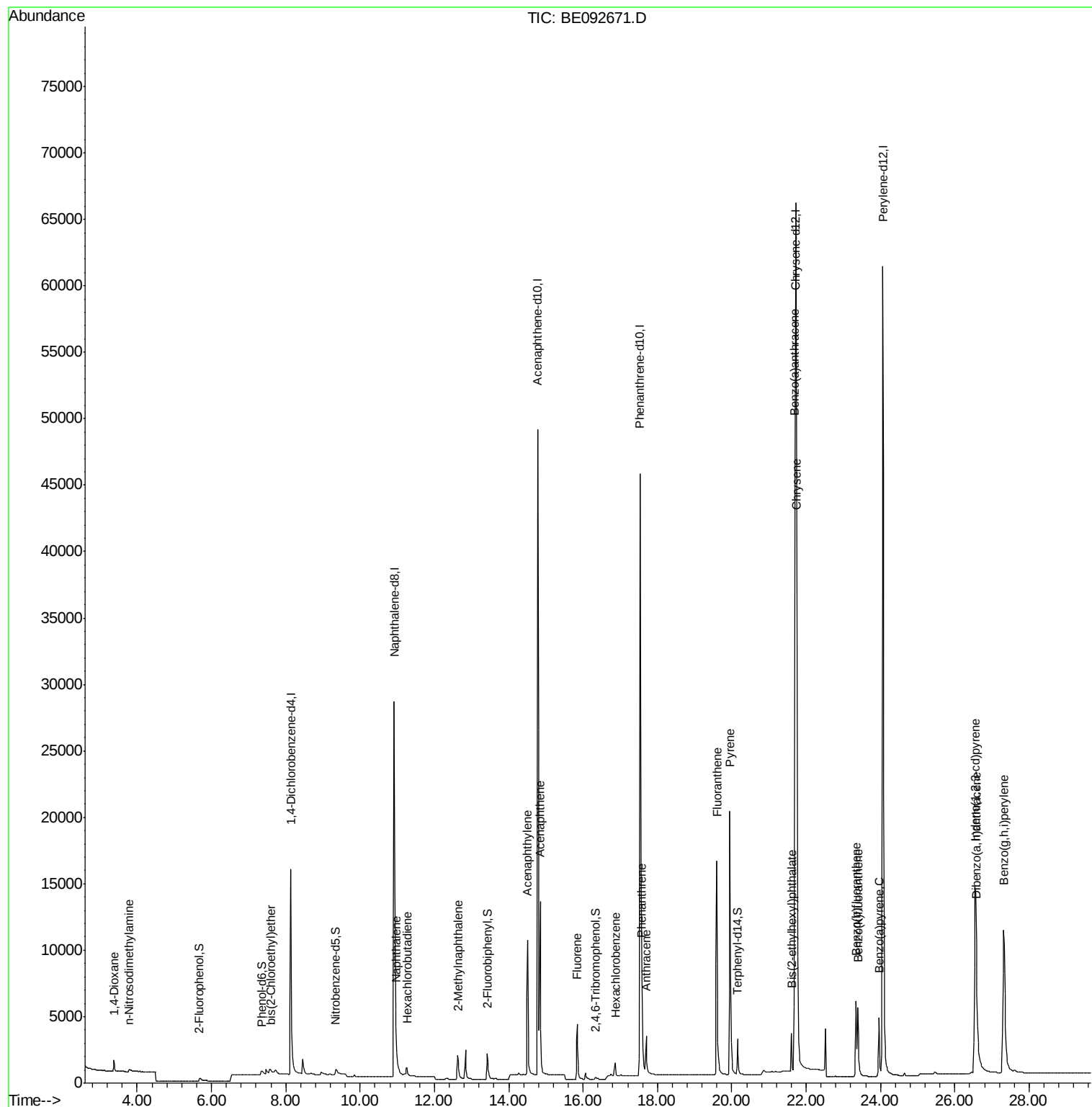
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\  
Data File : BE092671.D  
Acq On : 24 Jan 2017 18:31  
Operator : UM/SJ  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

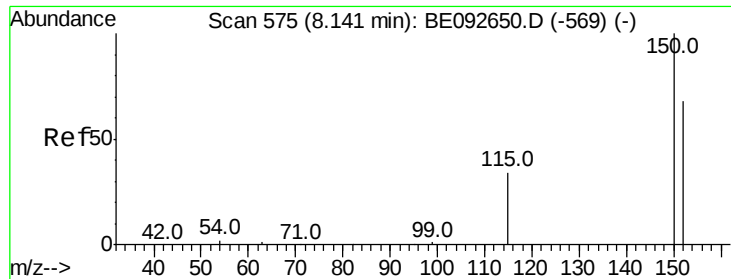
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

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Quant Time: Jan 25 13:12:36 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 17 10:14:01 2017  
Response via : Initial Calibration





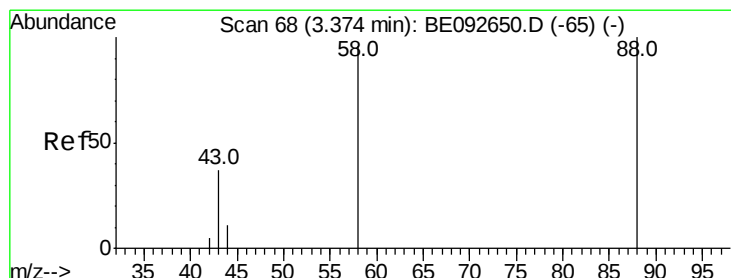
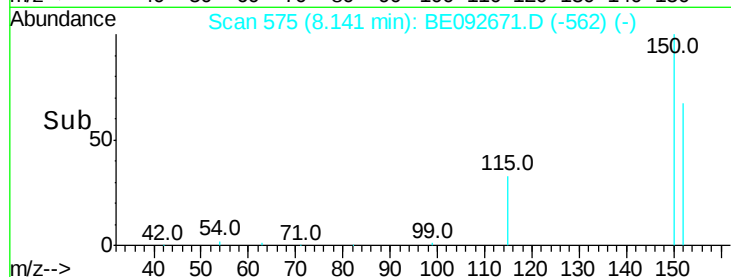
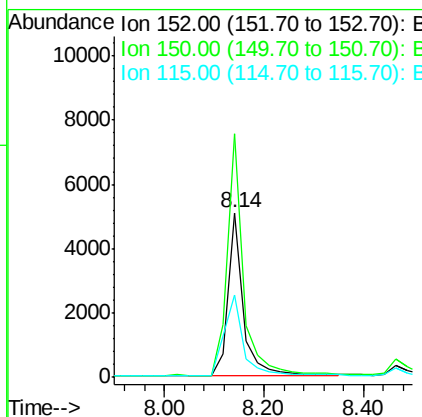
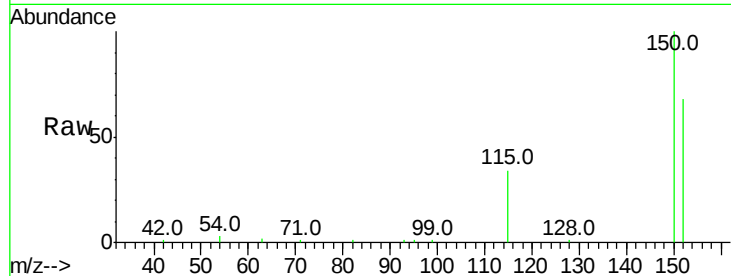
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 8.14 min Scan# 575  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 147.7 | 106.0 | 159.0 |
| 115     | 49.6  | 31.2  | 46.8  |

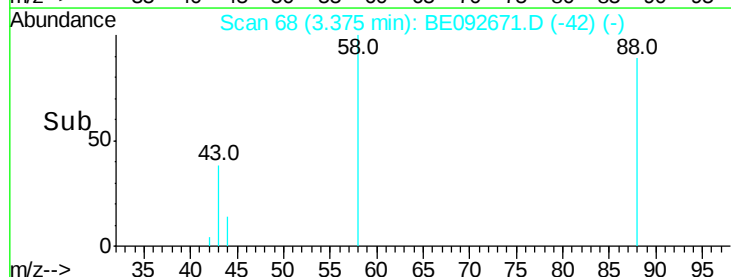
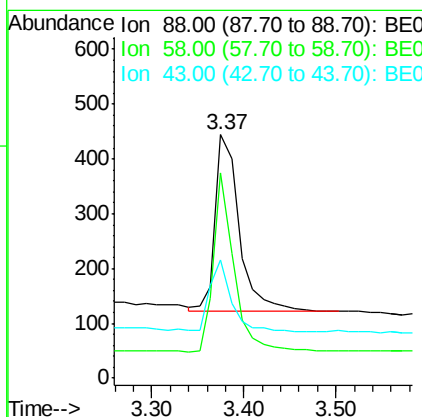
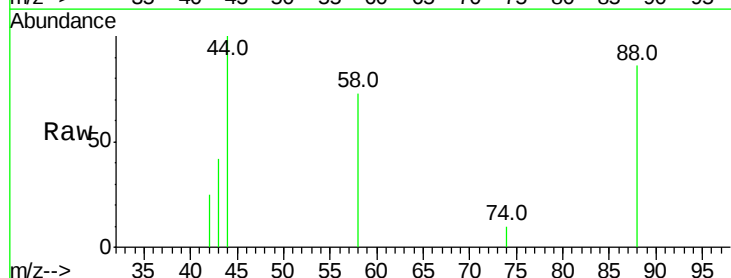
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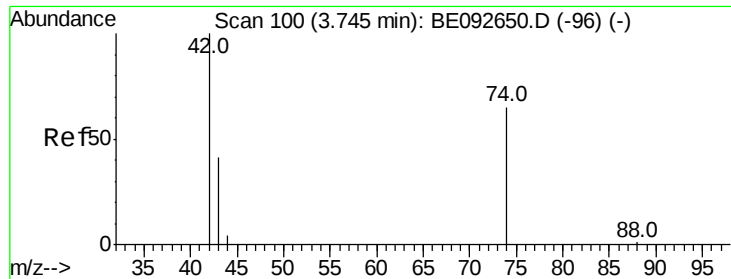
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#2  
 1,4-Dioxane  
 Concen: 0.34 ng  
 RT: 3.37 min Scan# 68  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.6  | 63.6  | 95.4  |
| 43      | 39.0  | 28.0  | 42.0  |





#3

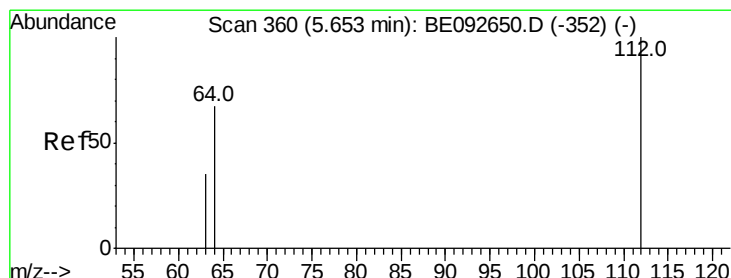
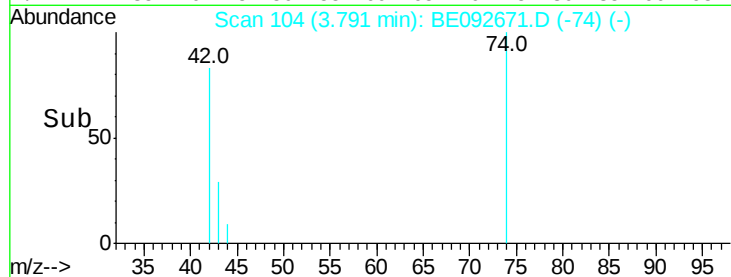
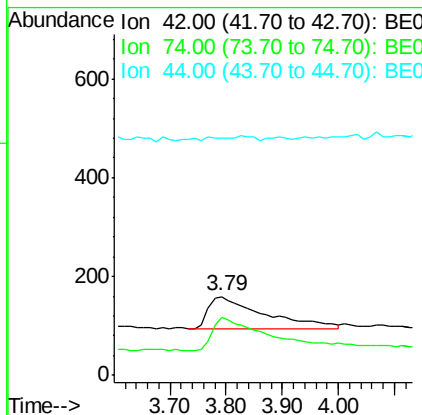
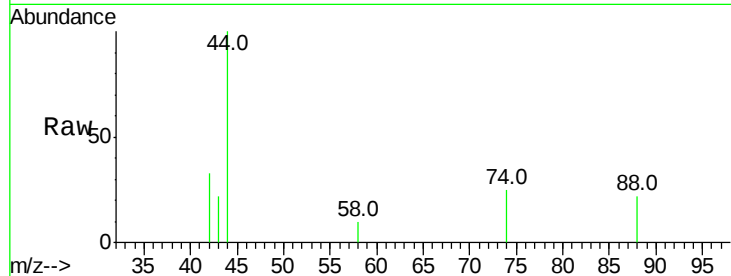
n-Nitrosodimethylamine  
Concen: 0.23 ng  
RT: 3.79 min Scan# 104  
Delta R.T. 0.05 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 100.4 | 86.0  | 129.0 |
| 44      | 0.0   | 5.1   | 7.7#  |

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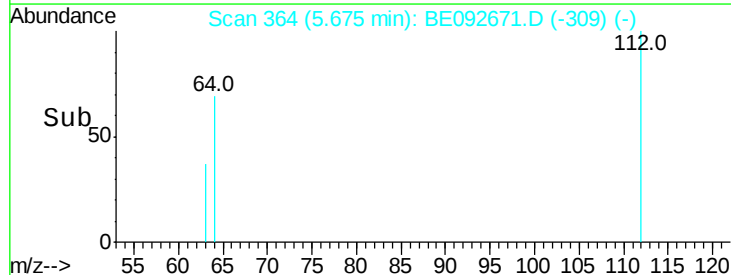
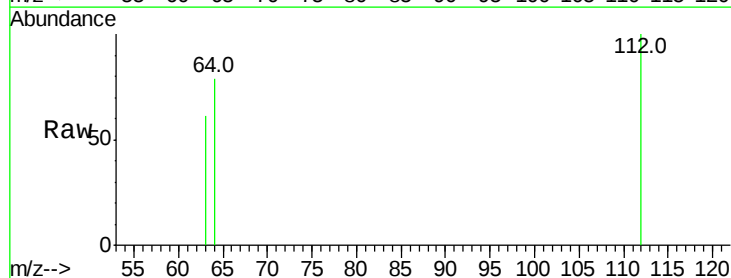
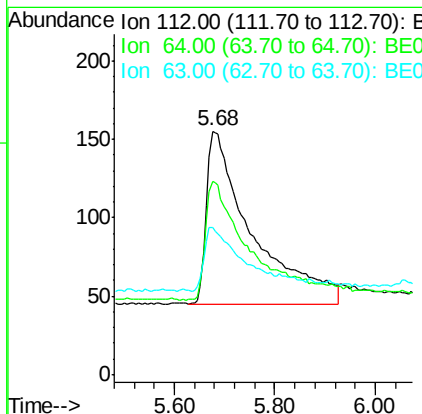
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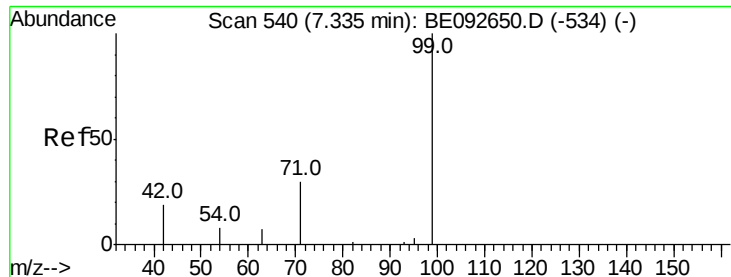


#4

2-Fluorophenol  
Concen: 0.29 ng  
RT: 5.68 min Scan# 364  
Delta R.T. 0.02 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.6  | 53.5  | 80.3  |
| 63      | 30.7  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 0.31 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.02 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

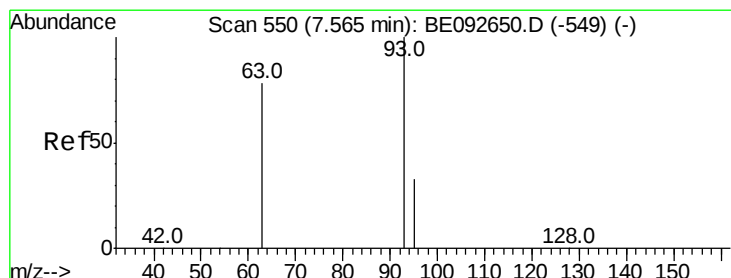
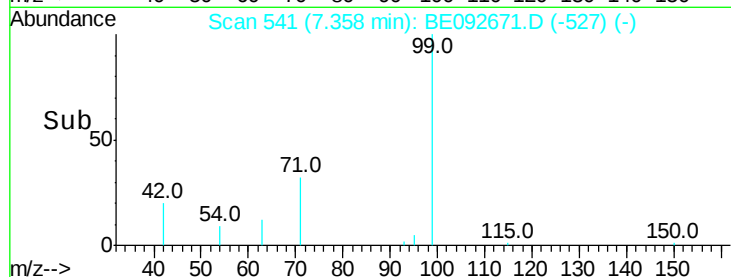
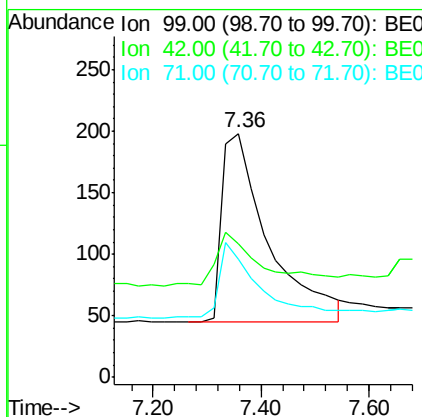
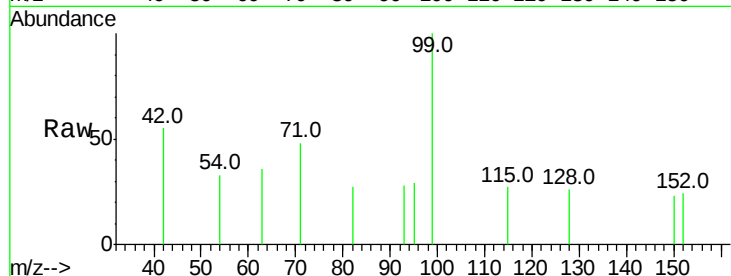
ClientSampled :

SSTDCCC0.4

| Tot Ion | 99    | Resp  | 916   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 99      | 100   |       |       |
| 42      | 0.0   | 16.0  | 24.0# |
| 71      | 0.0   | 30.6  | 45.8# |

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#6

bis(2-Chloroethyl)ether

Concen: 0.34 ng m

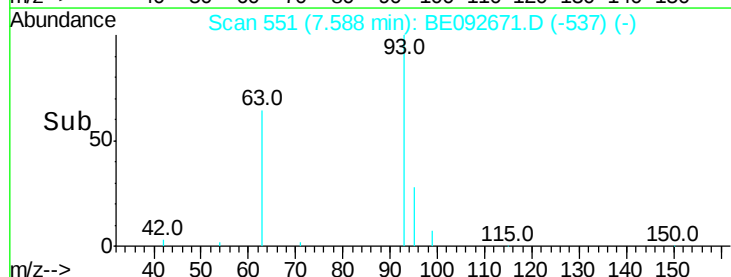
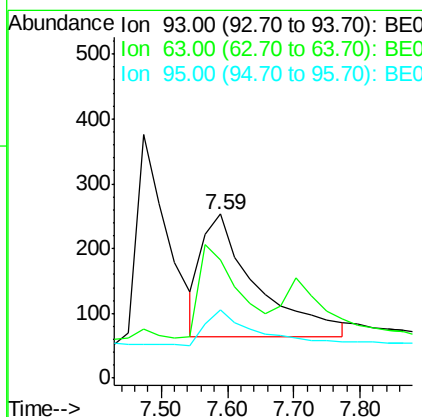
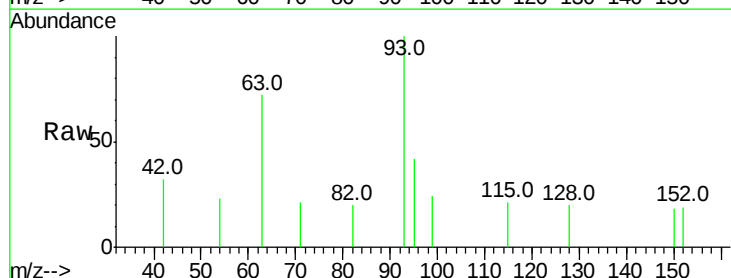
RT: 7.59 min Scan# 551

Delta R.T. 0.02 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

| Tgt Ion | 93    | Resp  | 1083   |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 93      | 100   |       |        |
| 63      | 0.0   | 71.6  | 107.4# |
| 95      | 25.4  | 24.0  | 36.0   |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

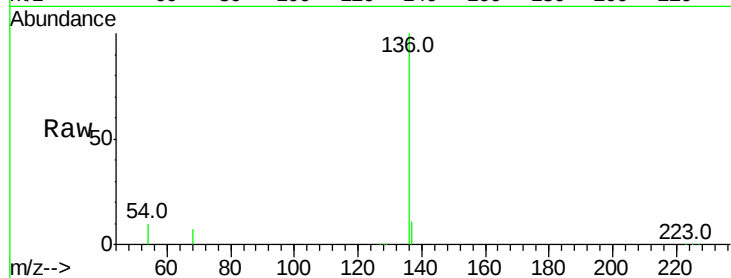
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 136   | Resp: | 50946 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.6  | 8.2   | 12.4  |
| 54        | 9.9   | 9.6   | 14.4  |
| 68        | 6.8   | 6.7   | 10.1  |

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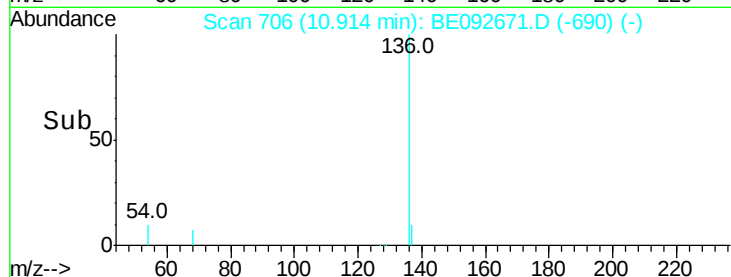
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

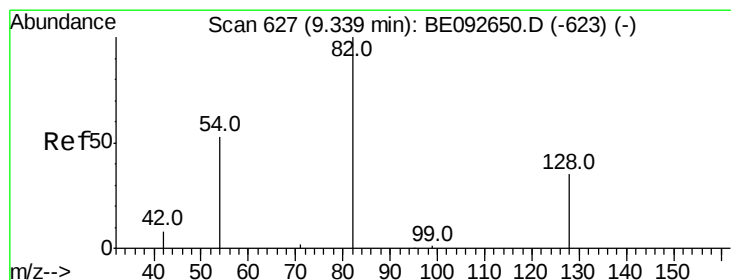
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.33 ng m

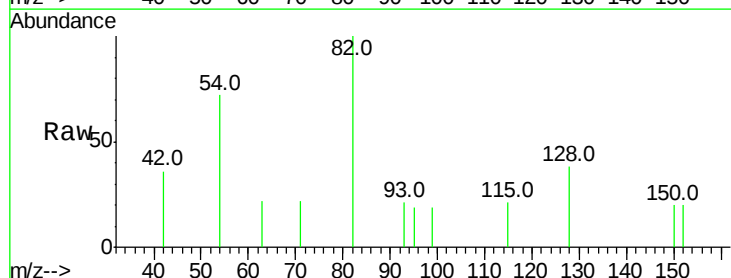
RT: 9.34 min Scan# 627

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 1079  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 37.5  | 39.0  | 58.4# |
| 54        | 72.3  | 44.8  | 67.2# |

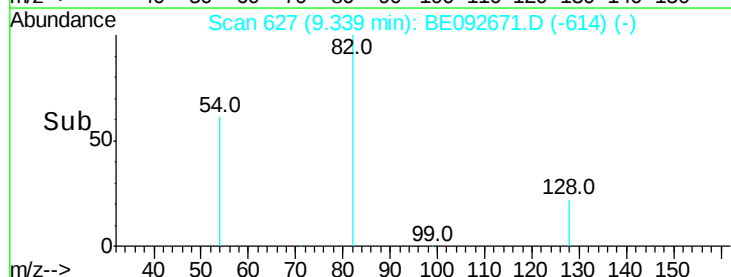


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.39 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

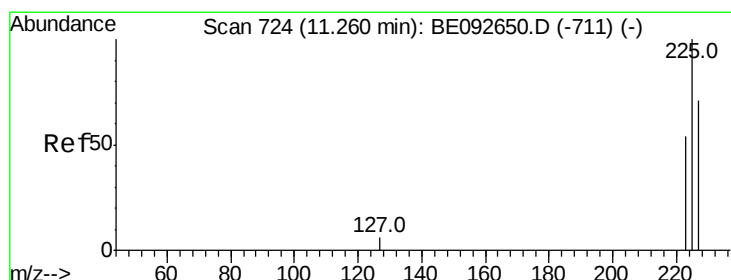
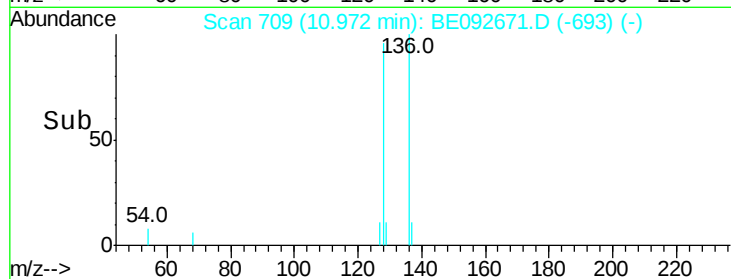
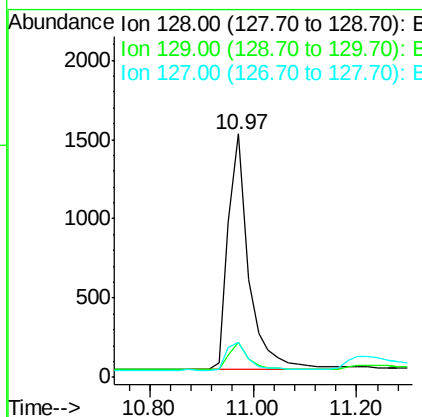
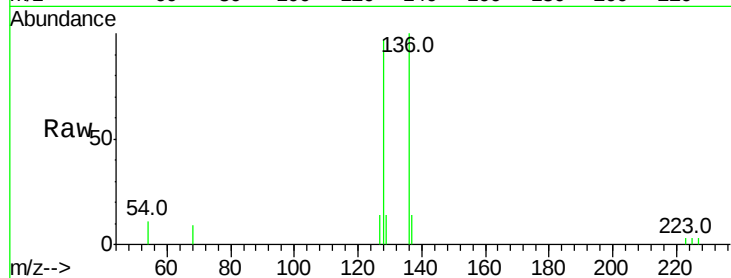
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 4140  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 14.2  | 11.2  | 16.8  |
| 127      | 14.6  | 11.6  | 17.4  |

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#10

Hexachlorobutadiene

Concen: 0.39 ng

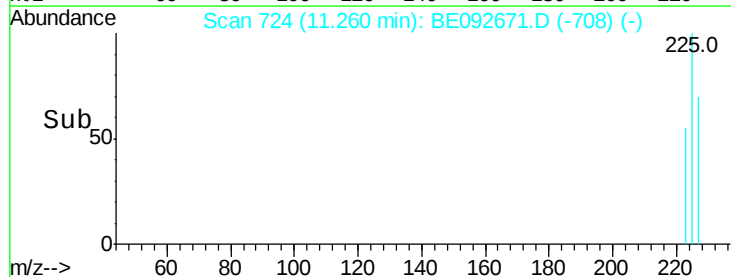
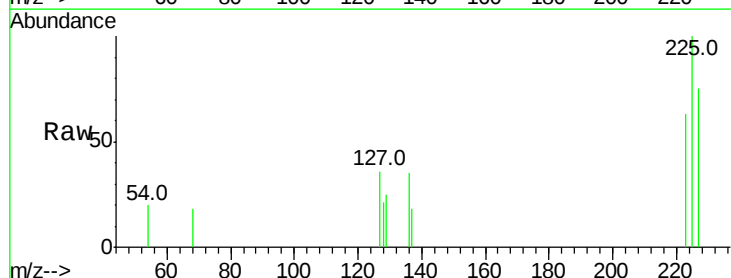
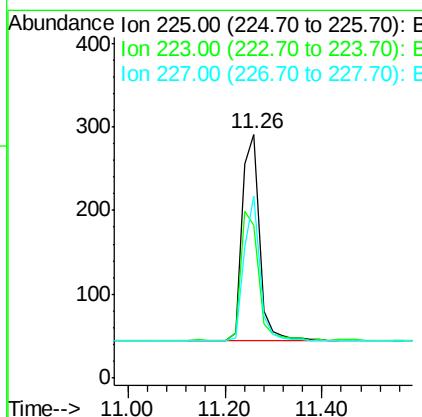
RT: 11.26 min Scan# 724

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 616   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.7  | 50.6  | 76.0  |
| 227      | 63.5  | 51.4  | 77.0  |





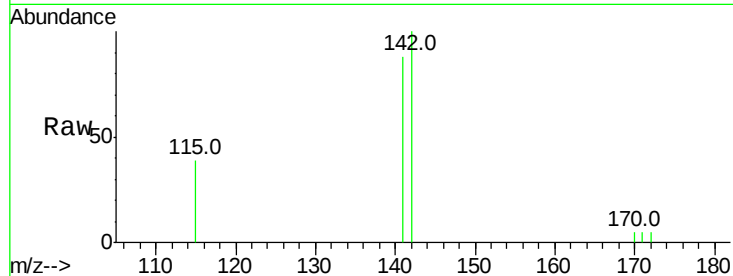
#11  
2-Methylnaphthalene  
Concen: 0.37 ng  
RT: 12.62 min Scan# 814  
Delta R.T. 0.01 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

Instrument :  
BNA\_E  
ClientSampled :  
SSTDCCC0.4

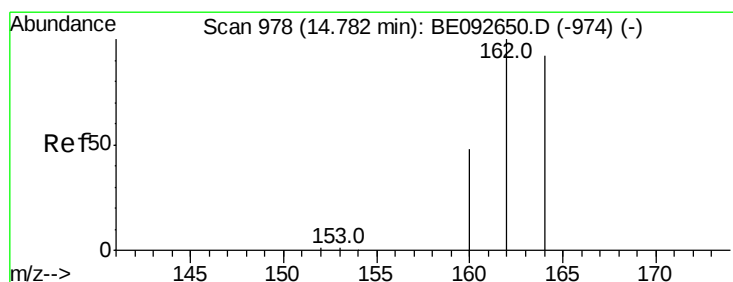
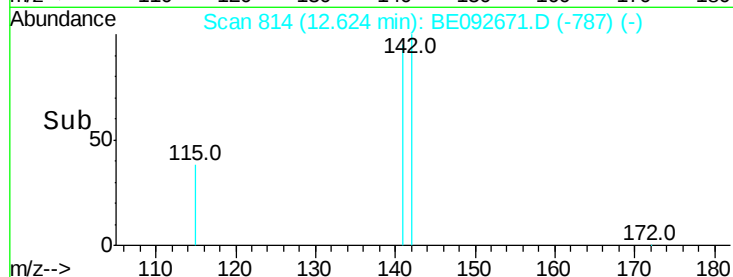
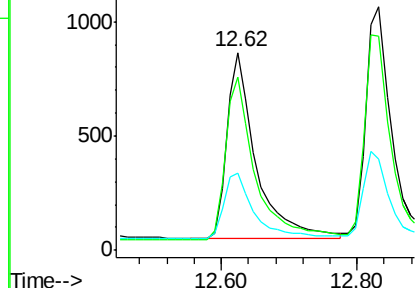
Tot Ion:142 Resp: 2440  
Ion Ratio Lower Upper  
142 100  
141 87.8 73.7 110.5  
115 39.0 34.0 51.0

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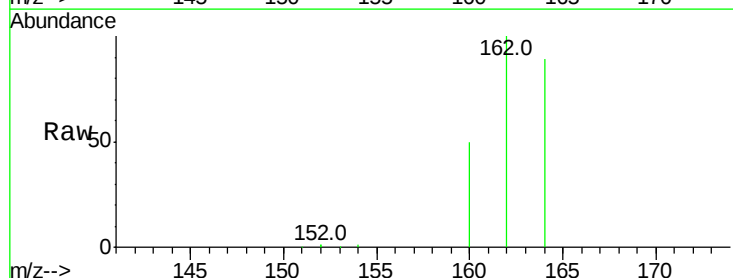


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

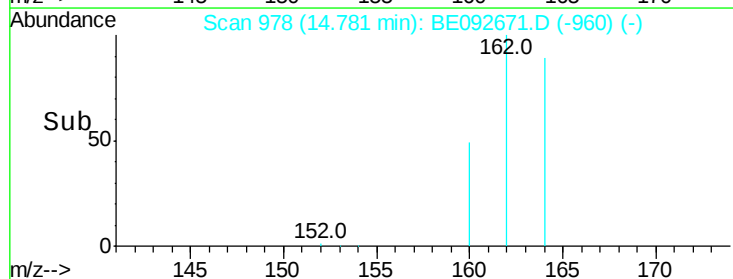
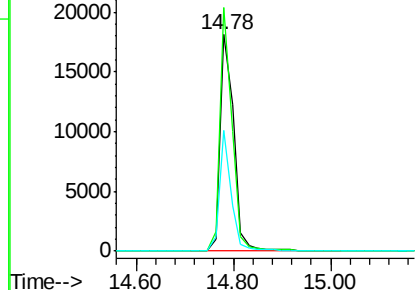


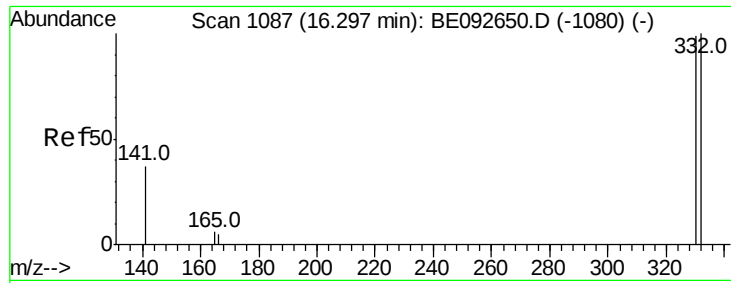
#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.78 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

Tgt Ion:164 Resp: 34452  
Ion Ratio Lower Upper  
164 100  
162 112.6 71.4 107.0#  
160 55.8 27.4 41.2#



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





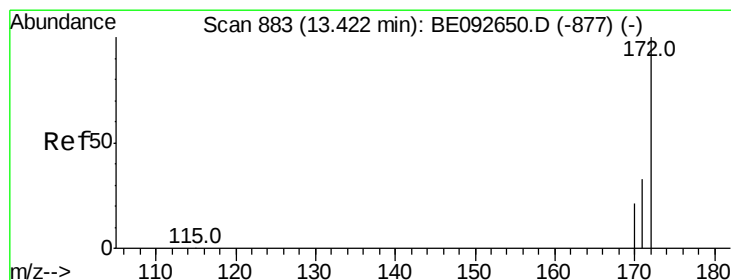
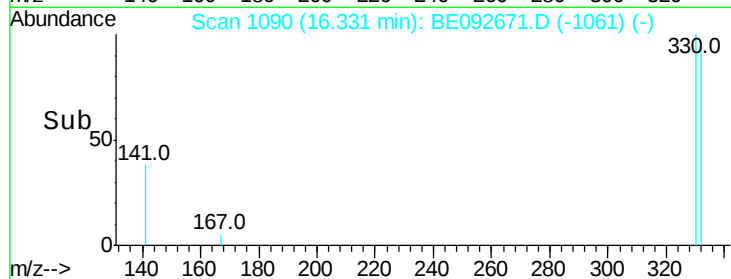
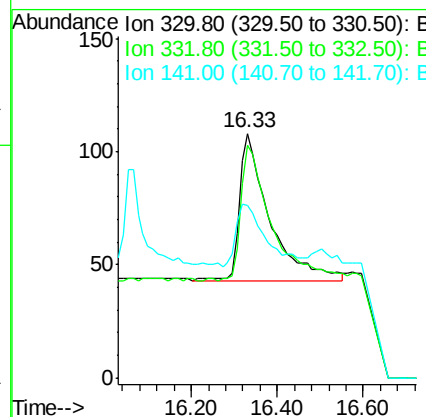
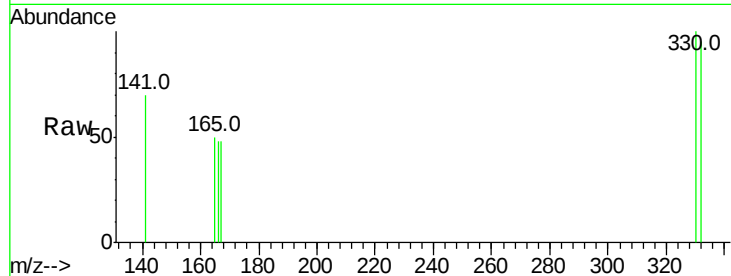
#13  
 2,4,6-Tribromophenol  
 Concen: 0.43 ng  
 RT: 16.33 min Scan# 1090  
 Delta R.T. 0.03 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.0  | 75.4  | 113.0 |
| 141     | 42.8  | 31.0  | 46.6  |

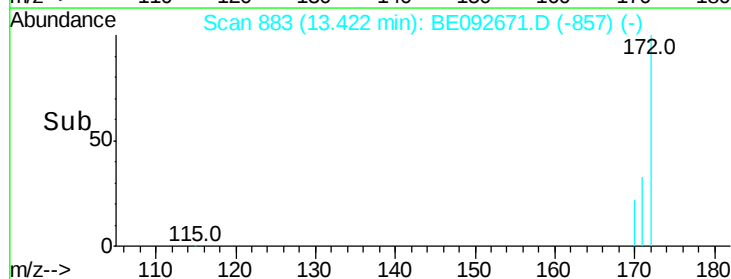
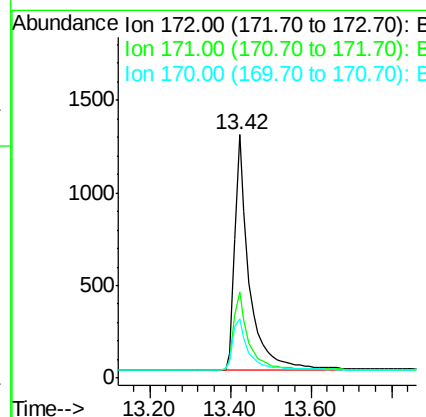
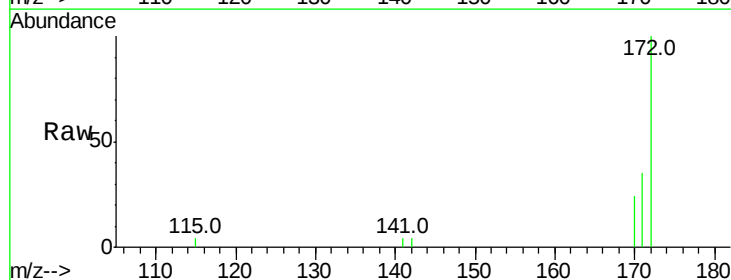
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#14  
 2-Fluorobiphenyl  
 Concen: 0.38 ng  
 RT: 13.42 min Scan# 883  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 30.1  | 45.1  |
| 170     | 24.3  | 21.8  | 32.6  |





#15

Acenaphthylene

Concen: 0.37 ng

RT: 14.51 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

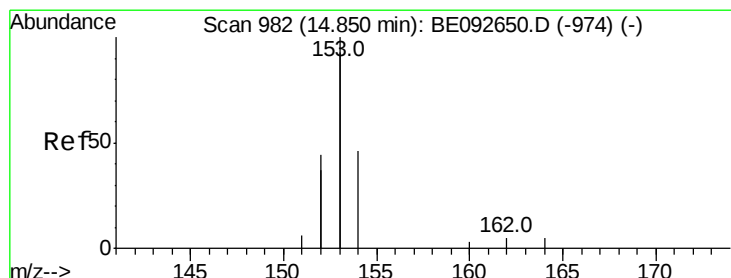
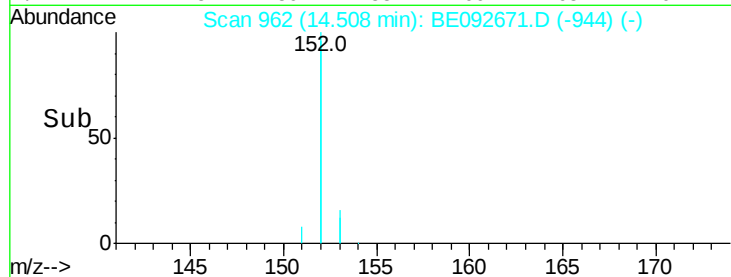
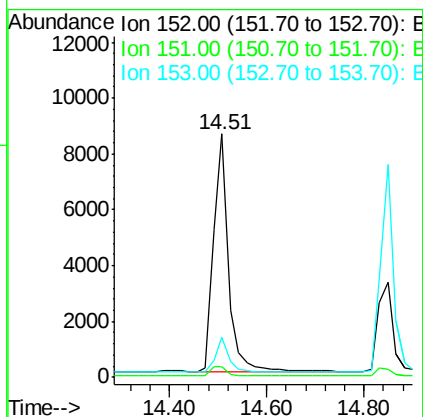
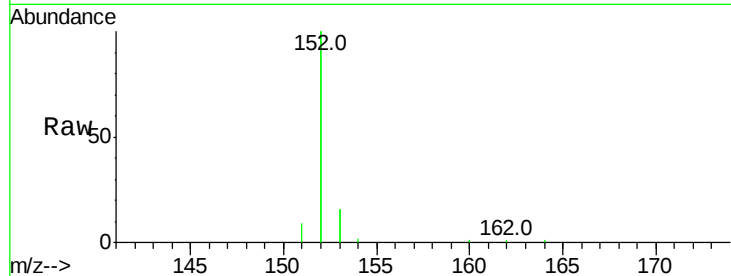
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 17787 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 4.9   | 3.9   | 5.9   |
| 153       | 13.2  | 10.4  | 15.6  |

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#16

Acenaphthene

Concen: 0.40 ng

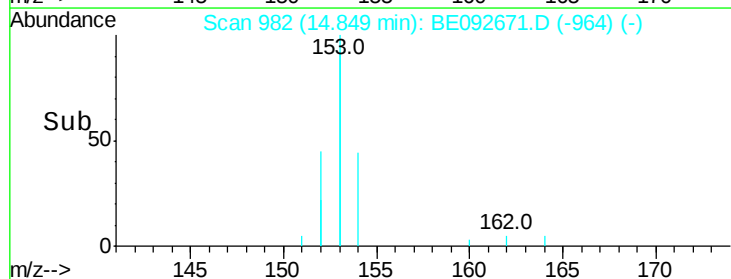
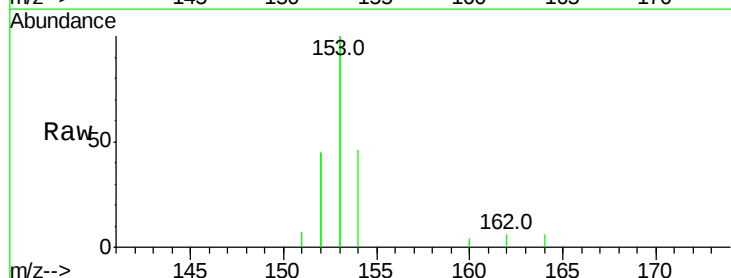
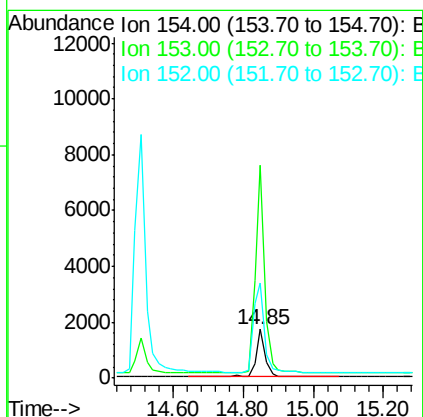
RT: 14.85 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 3046  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 445.8 | 350.8 | 526.2 |
| 152       | 228.8 | 171.1 | 256.7 |





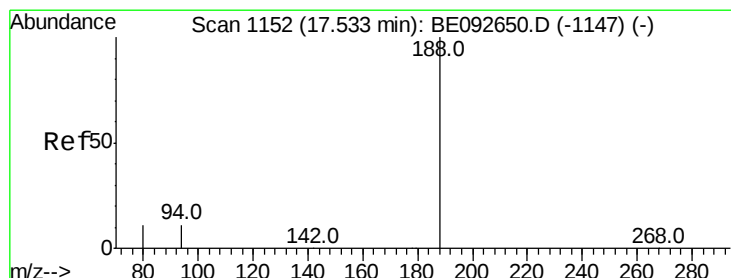
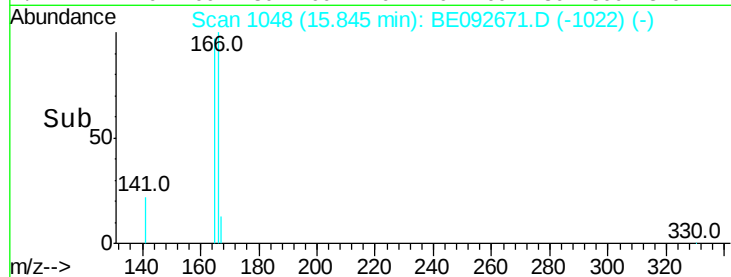
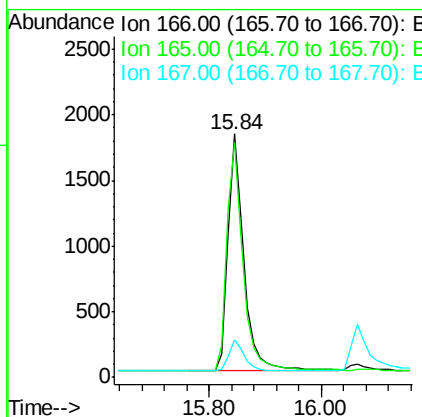
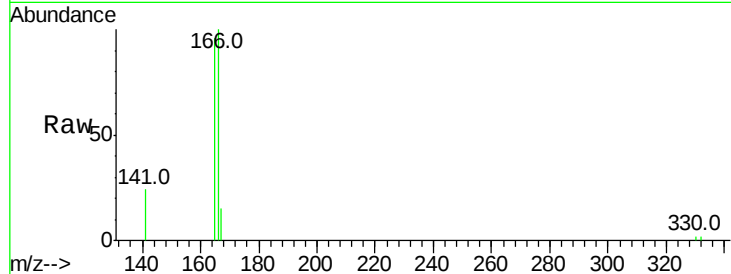
#17  
**Fluorene**  
 Concen: 0.38 ng  
 RT: 15.84 min Scan# 1048  
 Delta R.T. -0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.8  | 78.2  | 117.4 |
| 167     | 13.3  | 11.0  | 16.4  |

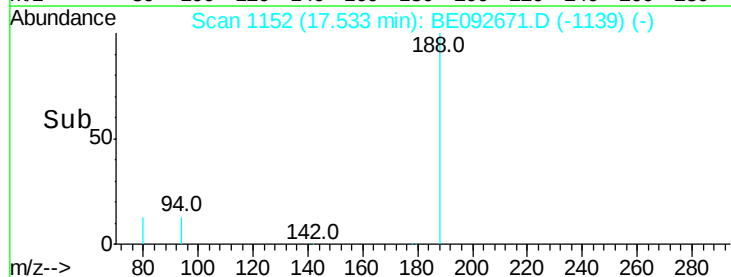
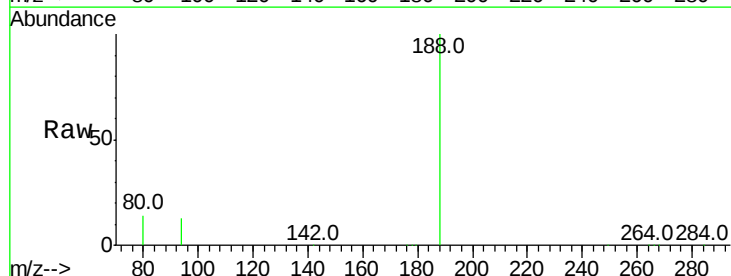
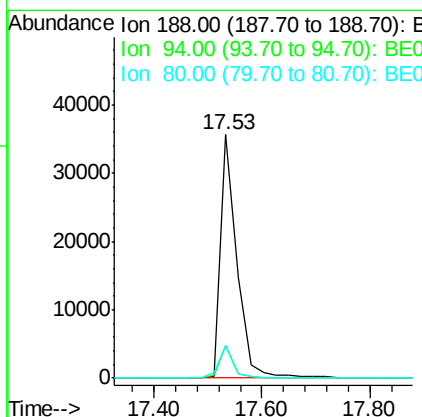
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#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.53 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 13.5  | 3.2   | 4.8#  |
| 80      | 13.5  | 2.6   | 3.8#  |





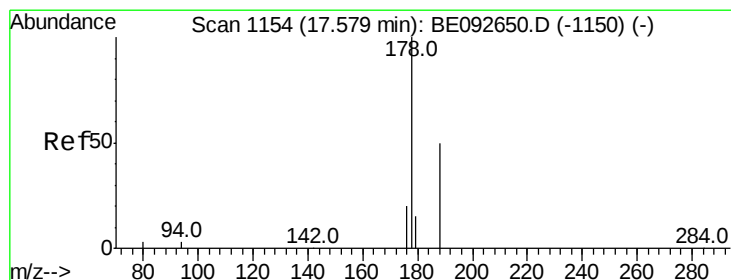
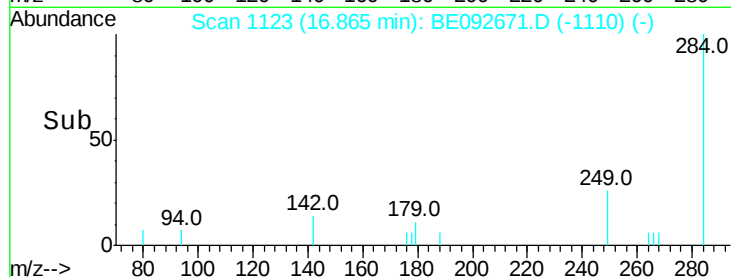
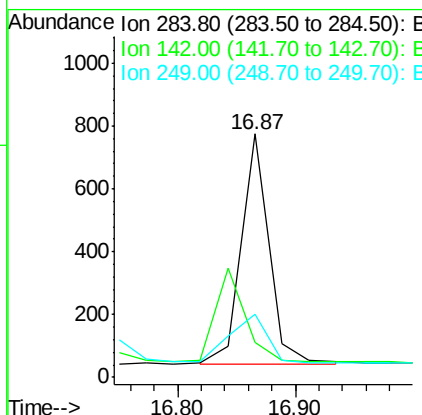
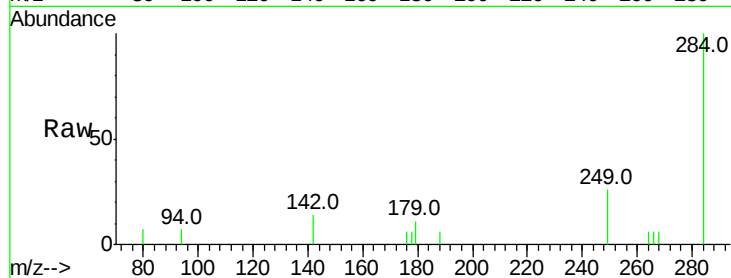
#19  
Hexachlorobenzene  
Concen: 0.41 ng m  
RT: 16.87 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 29.1  | 43.7# |
| 249     | 41.3  | 27.9  | 41.9  |

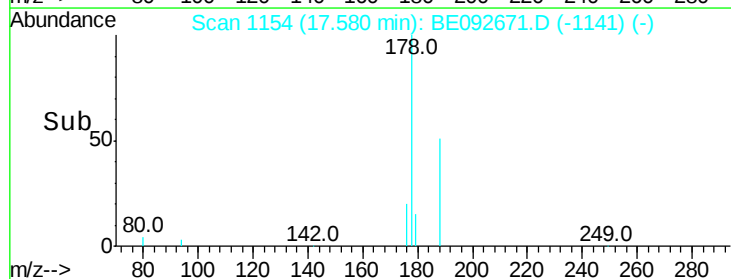
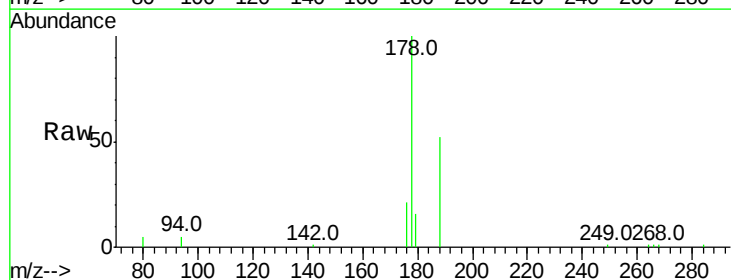
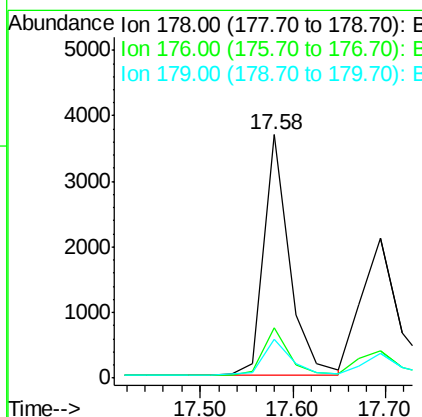
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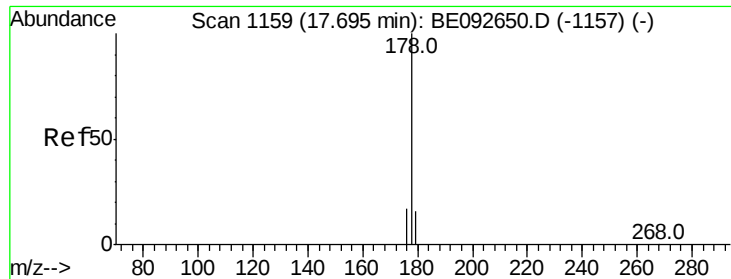
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#21  
Phenanthrene  
Concen: 0.42 ng  
RT: 17.58 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 16.0  | 16.0  | 24.0# |





#22

Anthracene

Concen: 0.38 ng

RT: 17.69 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

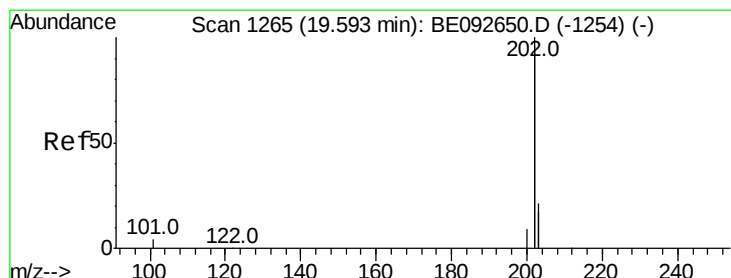
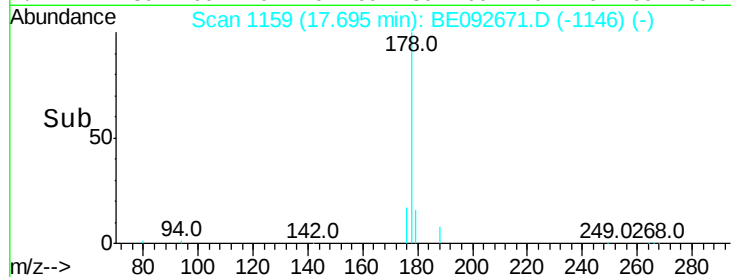
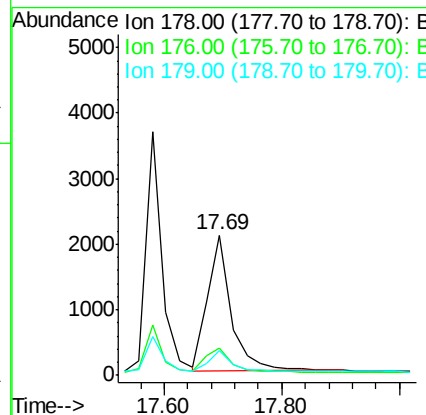
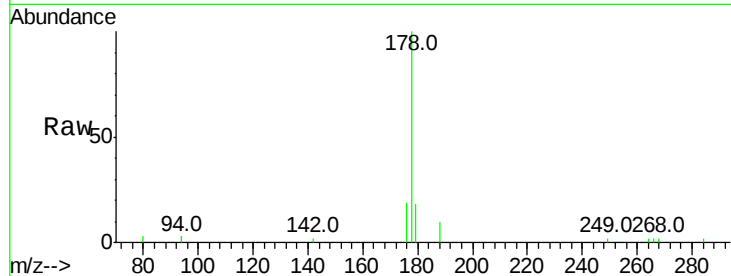
ClientSampleId :

SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.0  | 22.4  |
| 179     | 15.3  | 12.2  | 18.2  |

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#23

Fluoranthene

Concen: 0.40 ng

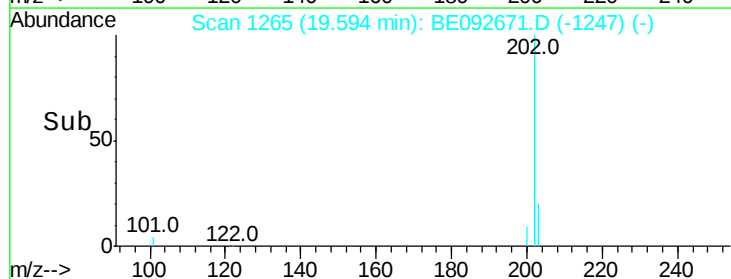
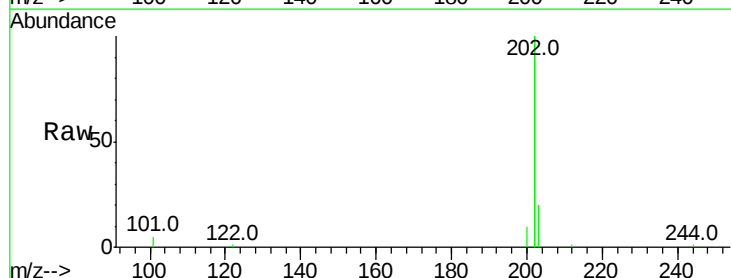
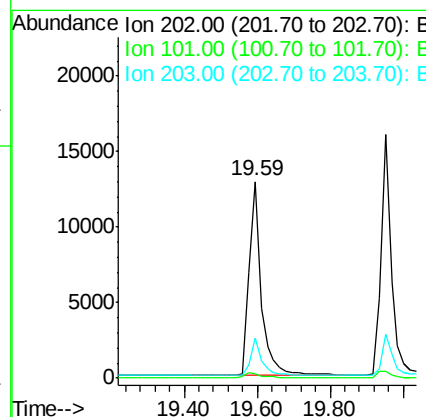
RT: 19.59 min Scan# 1265

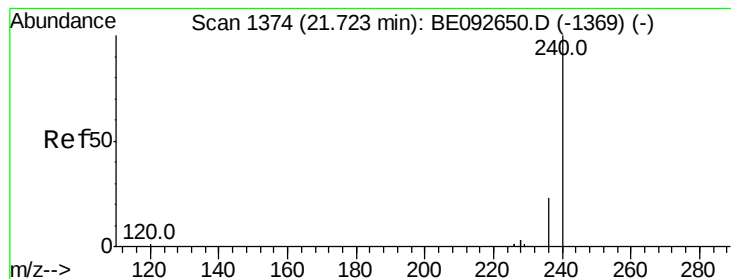
Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 2.8   | 2.2   | 3.4   |
| 203     | 17.4  | 13.7  | 20.5  |





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

ClientSampleId :

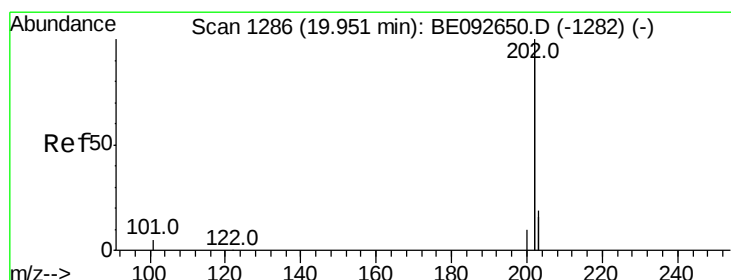
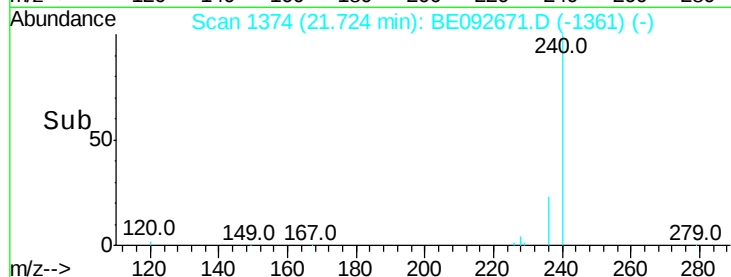
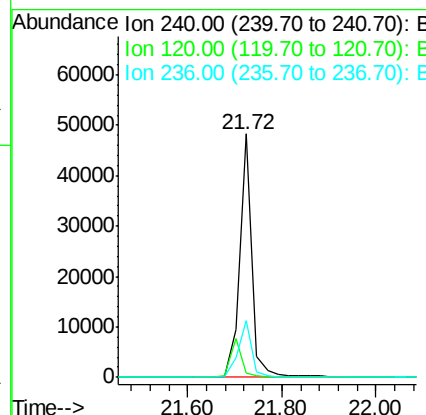
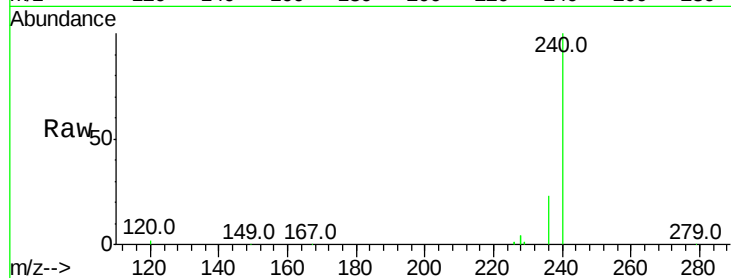
SSTDCCC0.4

Tot Ion:240 Resp: 88279

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 1.6   | 2.6   | 4.0#  |
| 236 | 23.2  | 24.6  | 37.0# |

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#25

Pyrene

Concen: 0.36 ng

RT: 19.95 min Scan# 1286

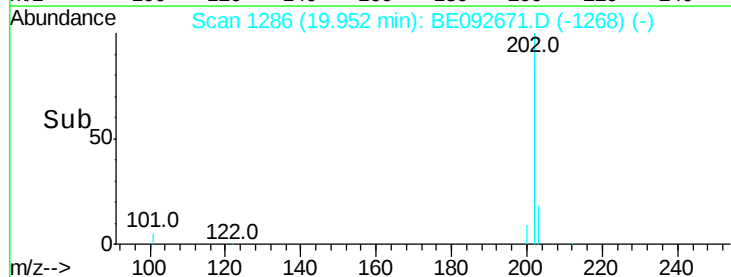
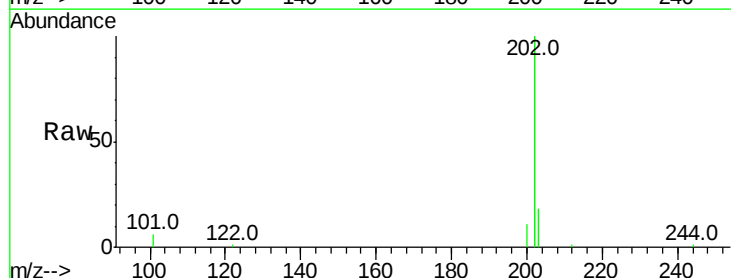
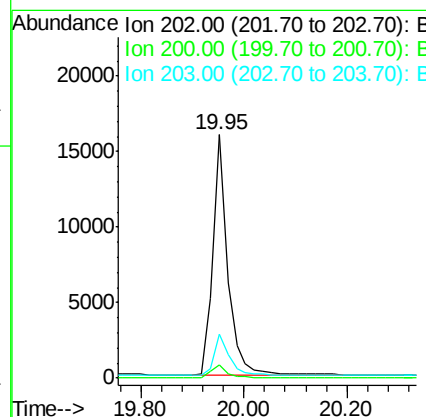
Delta R.T. 0.00 min

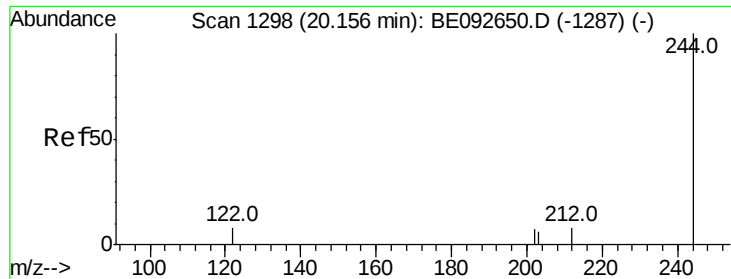
Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Tgt Ion:202 Resp: 31548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 5.2   | 4.2   | 6.4   |
| 203 | 17.1  | 13.9  | 20.9  |





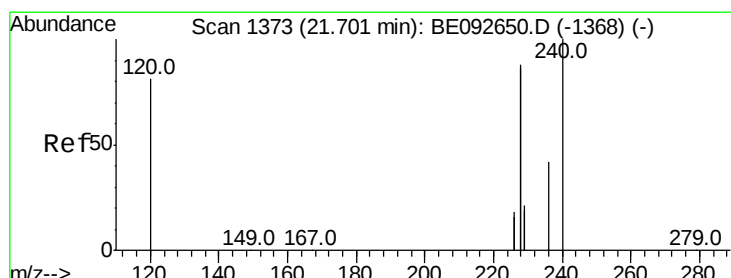
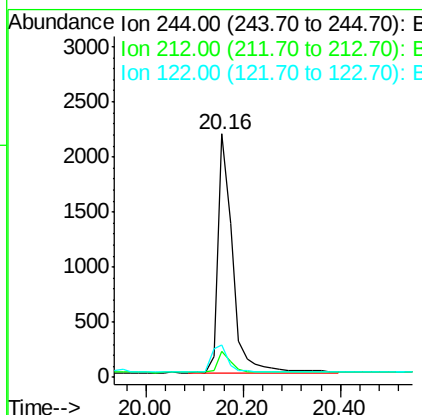
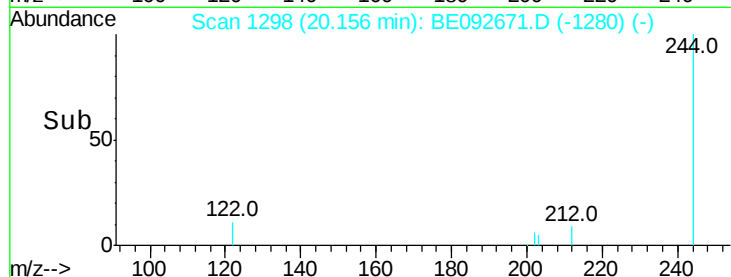
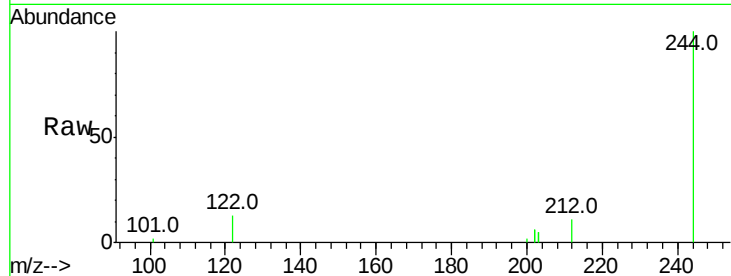
#26  
 Terphenyl-d14  
 Concen: 0.36 ng  
 RT: 20.16 min Scan# 1298  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDC00.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.9  | 6.7   | 10.1# |
| 122     | 13.4  | 3.6   | 5.4#  |

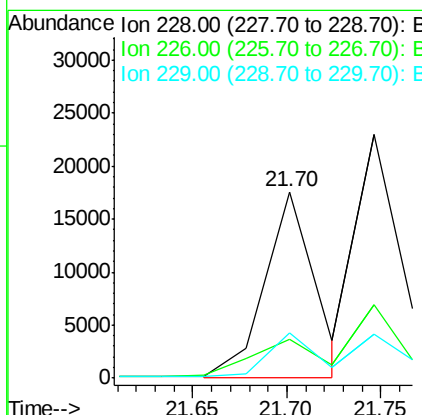
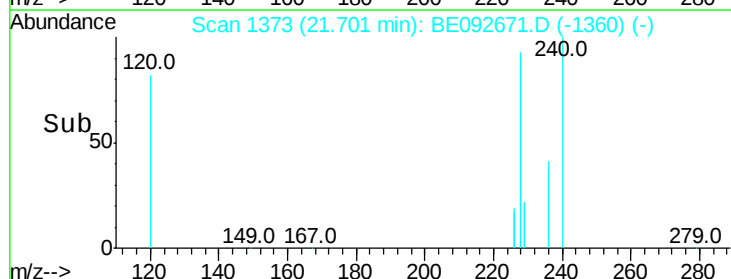
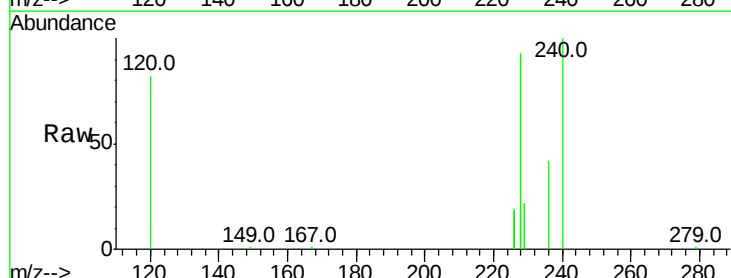
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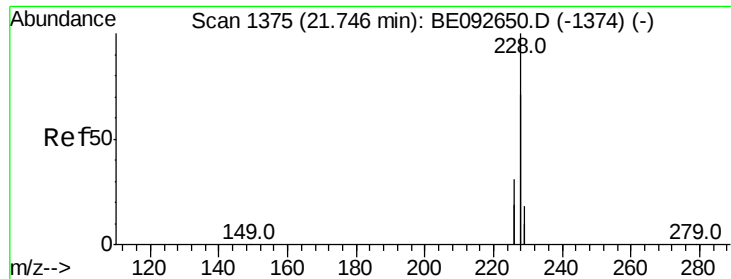
mohammad  
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#27  
 Benzo(a)anthracene  
 Concen: 0.37 ng m  
 RT: 21.70 min Scan# 1373  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 20.7  | 23.6  | 35.4# |
| 229     | 24.1  | 13.3  | 19.9# |





#28

Chrysene

Concen: 0.42 ng/mL

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

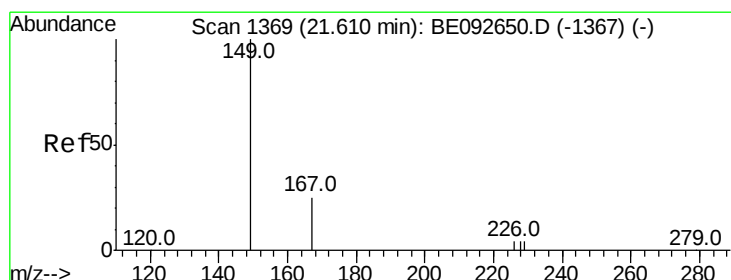
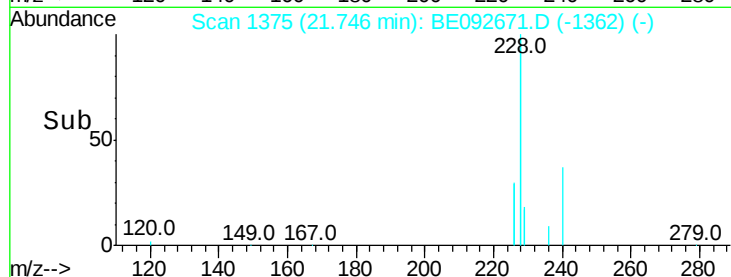
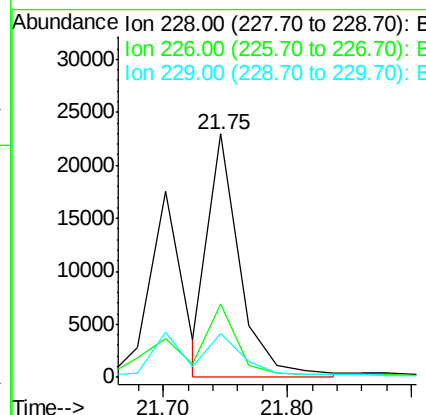
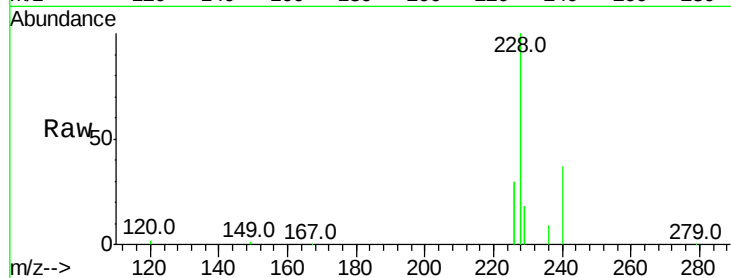
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 40806 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.2  | 36.3  | 54.5# |
| 229       | 18.2  | 10.6  | 16.0# |

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#29

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng/mL

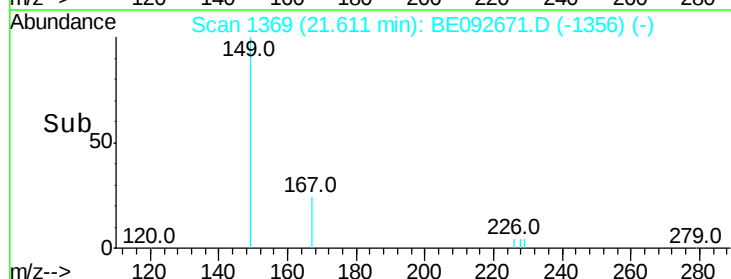
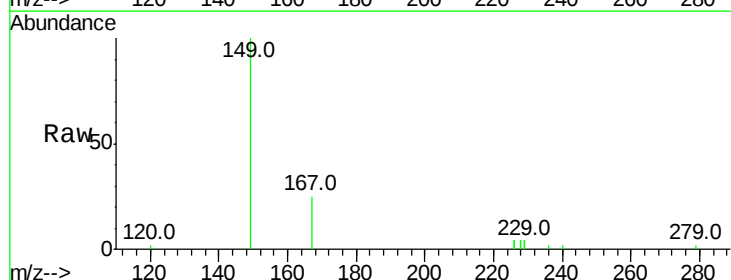
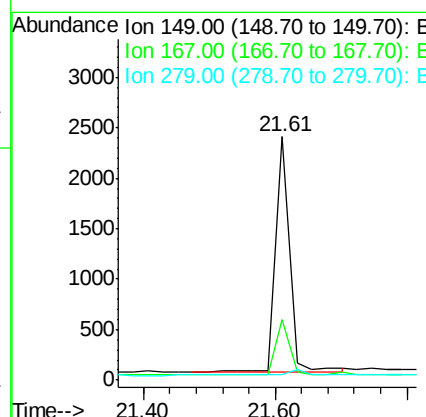
RT: 21.61 min Scan# 1369

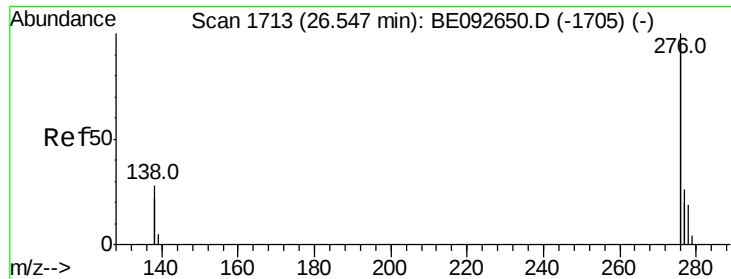
Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 3426  |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 23.6  | 16.0  | 24.0  |
| 279       | 0.0   | 16.0  | 24.0# |





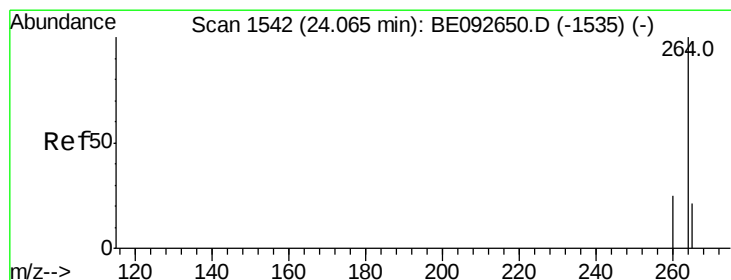
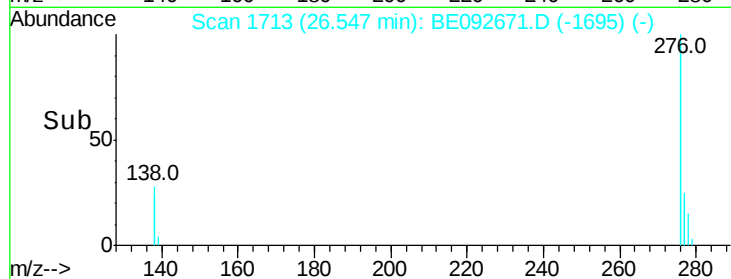
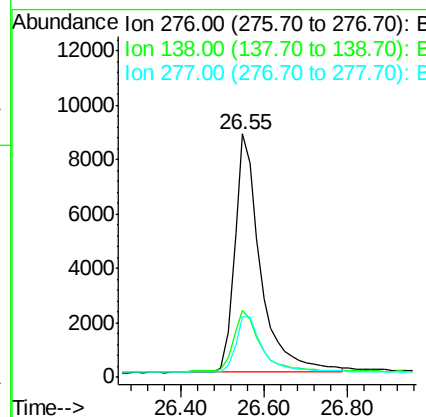
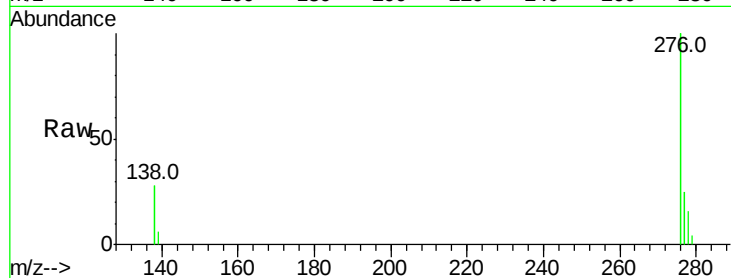
#30  
Indeno(1,2,3-cd)pyrene  
Concen: 0.36 ng  
RT: 26.55 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.2  | 20.3  | 30.5  |
| 277     | 24.9  | 19.7  | 29.5  |

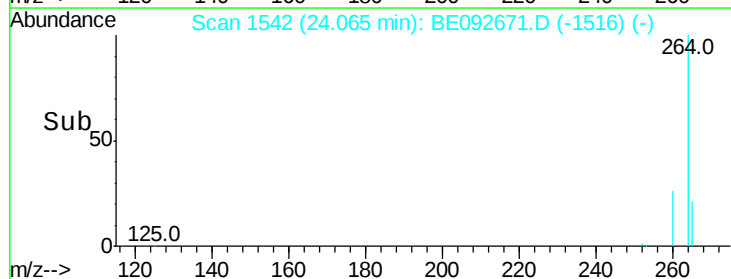
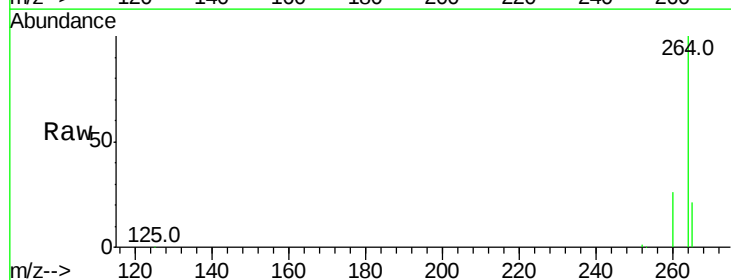
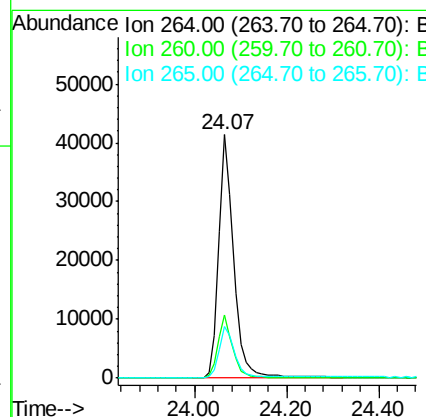
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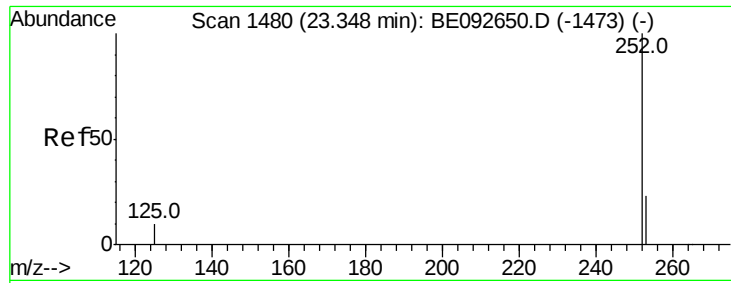
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#31  
Perylene-d12  
Concen: 5.00 ng  
RT: 24.07 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: BE092671.D  
Acq: 24 Jan 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 20.1  | 30.1  |
| 265     | 21.1  | 17.9  | 26.9  |





#32

Benzo(b)fluoranthene

Concen: 0.39 ng

RT: 23.35 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

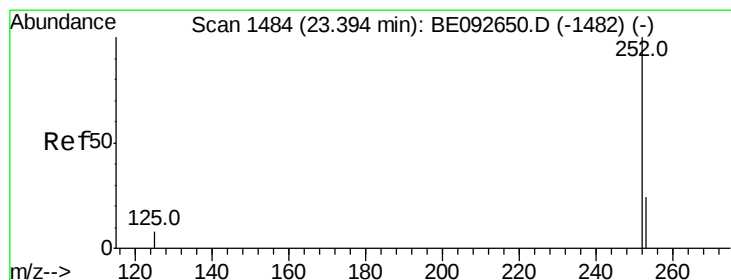
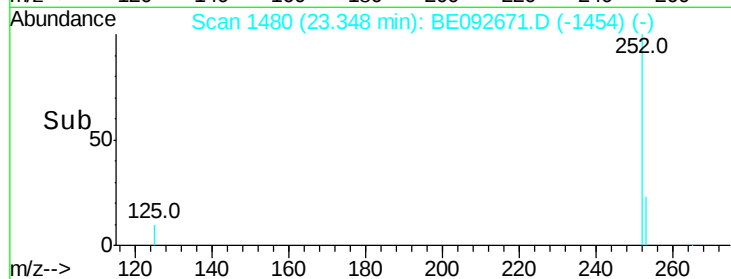
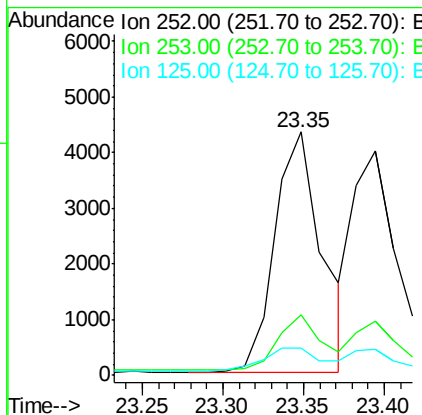
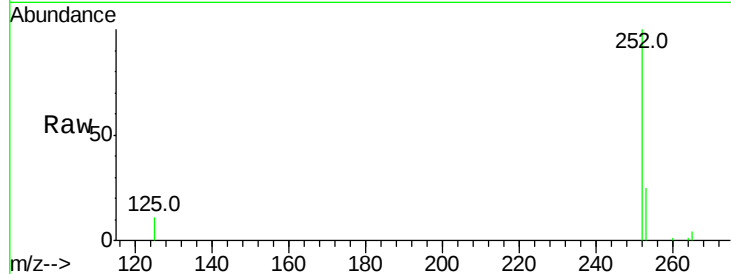
ClientSampleId :

SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 252   | Resp: | 8755 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 24.6  | 18.7  | 28.1 |
| 125       | 11.4  | 10.5  | 15.7 |

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#33

Benzo(k)fluoranthene

Concen: 0.38 ng

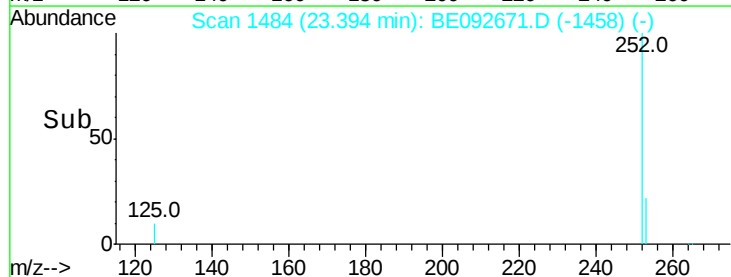
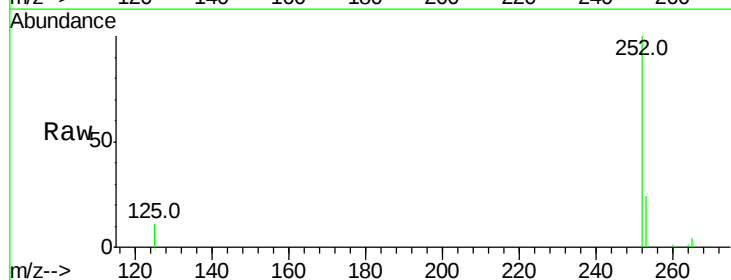
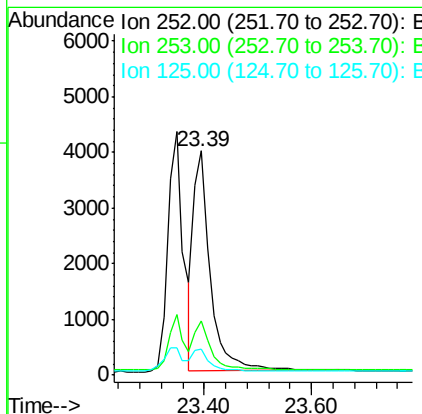
RT: 23.39 min Scan# 1484

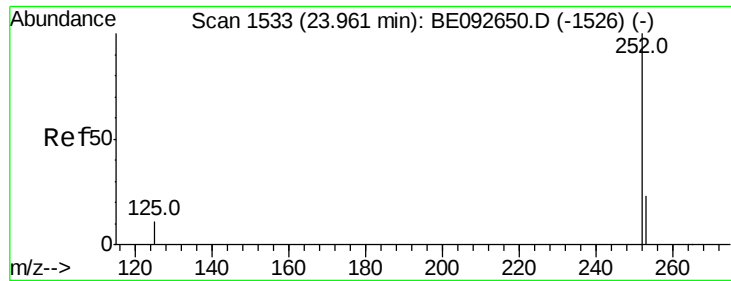
Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 8581 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 24.3  | 20.3  | 30.5 |
| 125       | 11.4  | 9.6   | 14.4 |





#34

Benzo(a)pyrene

Concen: 0.37 ng

RT: 23.96 min Scan# 1533

Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

Instrument :

BNA\_E

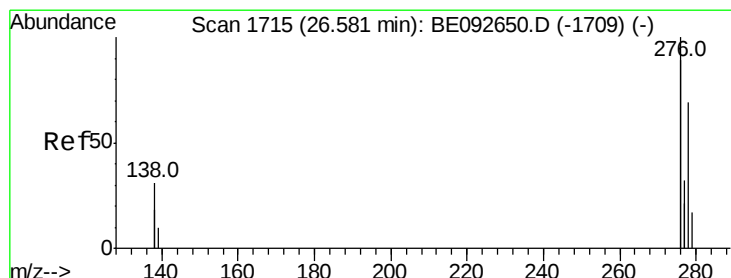
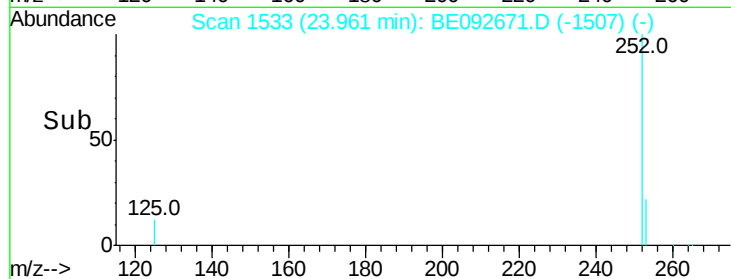
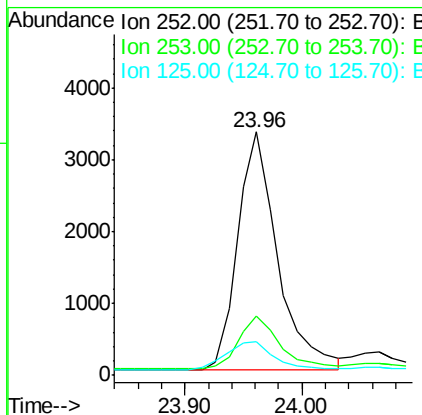
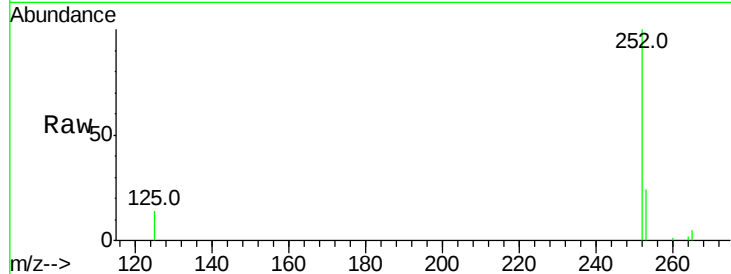
ClientSampleId :

SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 252   | Resp: | 7852 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 24.3  | 19.0  | 28.6 |
| 125       | 13.7  | 11.8  | 17.8 |

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#35

Dibenzo(a,h)anthracene

Concen: 0.37 ng

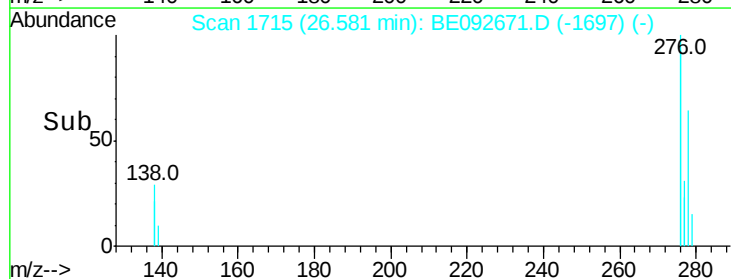
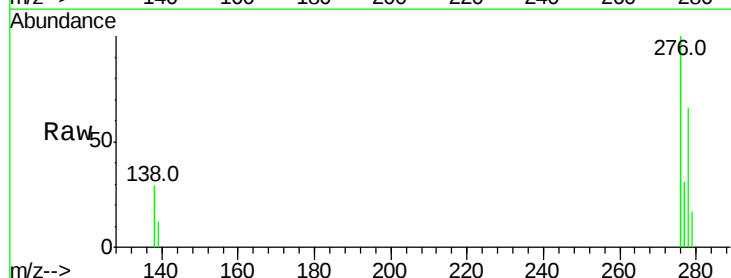
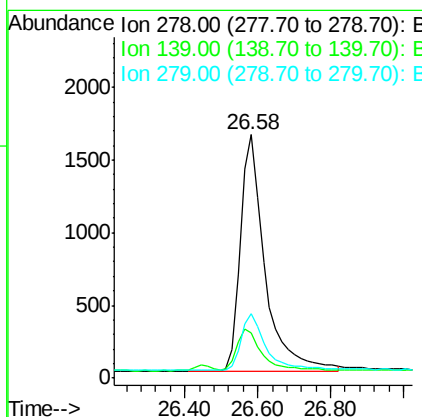
RT: 26.58 min Scan# 1715

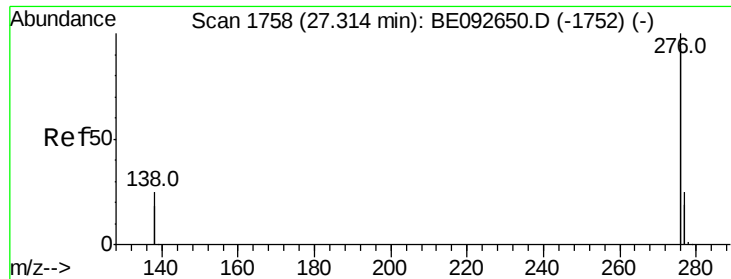
Delta R.T. 0.00 min

Lab File: BE092671.D

Acq: 24 Jan 2017 18:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 278   | Resp: | 7600 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 18.3  | 13.8  | 20.8 |
| 279       | 26.4  | 21.4  | 32.2 |





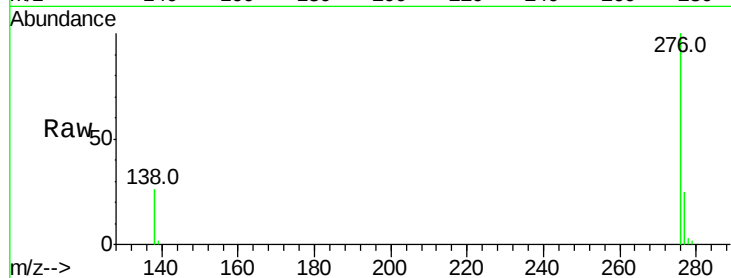
#36  
 Benzo(a,h,i)perylene  
 Concen: 0.37 ng  
 RT: 27.31 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: BE092671.D  
 Acq: 24 Jan 2017 18:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.7  | 19.8  | 29.8  |
| 138     | 25.9  | 19.8  | 29.6  |

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

