

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051017\  
 Data File : BE092987.D  
 Acq On : 10 May 2017 18:16  
 Operator : SJ/MA  
 Sample : SSTDCCC0.4EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

mohammad  
 5/11/2017 8:33:15 AM

Quant Time: May 11 05:32:32 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 10 03:43:15 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 760      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3134     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1509     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 3989     | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 4497     | 0.40 | ng    | 0.00     |
| 33) Perylene-d12          | 23.69 | 264  | 3762     | 0.40 | ng    | -0.01    |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.35  | 112 | 810  | 0.38 | ng | 0.00  |
| 5) Phenol-d6                | 6.95  | 99  | 1030 | 0.39 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.90  | 82  | 958  | 0.39 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 1688 | 0.38 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 151  | 0.38 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 2306 | 0.41 | ng | 0.00  |
| 24) Fluoranthene-d10        | 19.15 | 212 | 4112 | 0.40 | ng | 0.00  |
| 28) Terphenyl-d14           | 19.73 | 244 | 2671 | 0.39 | ng | 0.00  |

|                                |       |     |       |      |        |       |
|--------------------------------|-------|-----|-------|------|--------|-------|
| Target Compounds               |       |     |       |      | Qvalue |       |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 574   | 0.36 | ng     | 98    |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 503   | 0.38 | ng     | 99    |
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93  | 985   | 0.38 | ng     | # 99  |
| 9) Naphthalene                 | 10.58 | 128 | 3219  | 0.38 | ng     | 100   |
| 10) Hexachlorobutadiene        | 10.87 | 225 | 430   | 0.36 | ng     | 97    |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 1870  | 0.39 | ng     | 99    |
| 16) Acenaphthylene             | 14.10 | 152 | 9374  | 0.37 | ng     | 100   |
| 17) Acenaphthene               | 14.46 | 154 | 1798  | 0.38 | ng     | 99    |
| 18) Fluorene                   | 15.44 | 166 | 2254  | 0.39 | ng     | 99    |
| 20) Hexachlorobenzene          | 16.47 | 284 | 693   | 0.37 | ng     | # 100 |
| 21) Pentachlorophenol          | 16.81 | 266 | 187   | 0.43 | ng     | 98    |
| 22) Phenanthrene               | 17.18 | 178 | 4422  | 0.39 | ng     | 100   |
| 23) Anthracene                 | 17.27 | 178 | 3525  | 0.39 | ng     | 100   |
| 25) Fluoranthene               | 19.17 | 202 | 21359 | 0.40 | ng     | # 99  |
| 27) Pyrene                     | 19.53 | 202 | 23108 | 0.38 | ng     | # 99  |
| 29) Benzo(a)anthracene         | 21.25 | 228 | 4196m | 0.39 | ng     |       |
| 30) Chrysene                   | 21.32 | 228 | 5179  | 0.36 | ng     | 98    |
| 31) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 2007  | 0.49 | ng     | 99    |
| 32) Indeno(1,2,3-cd)pyrene     | 26.24 | 276 | 17196 | 0.35 | ng     | 100   |
| 34) Benzo(b)fluoranthene       | 22.95 | 252 | 4383  | 0.38 | ng     | 99    |
| 35) Benzo(k)fluoranthene       | 23.00 | 252 | 4949m | 0.40 | ng     |       |
| 36) Benzo(a)pyrene             | 23.59 | 252 | 3910  | 0.36 | ng     | 99    |
| 37) Dibenzo(a,h)anthracene     | 26.27 | 278 | 3550  | 0.33 | ng     | 98    |
| 38) Benzo(g,h,i)perylene       | 27.00 | 276 | 16373 | 0.35 | ng     | 100   |

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

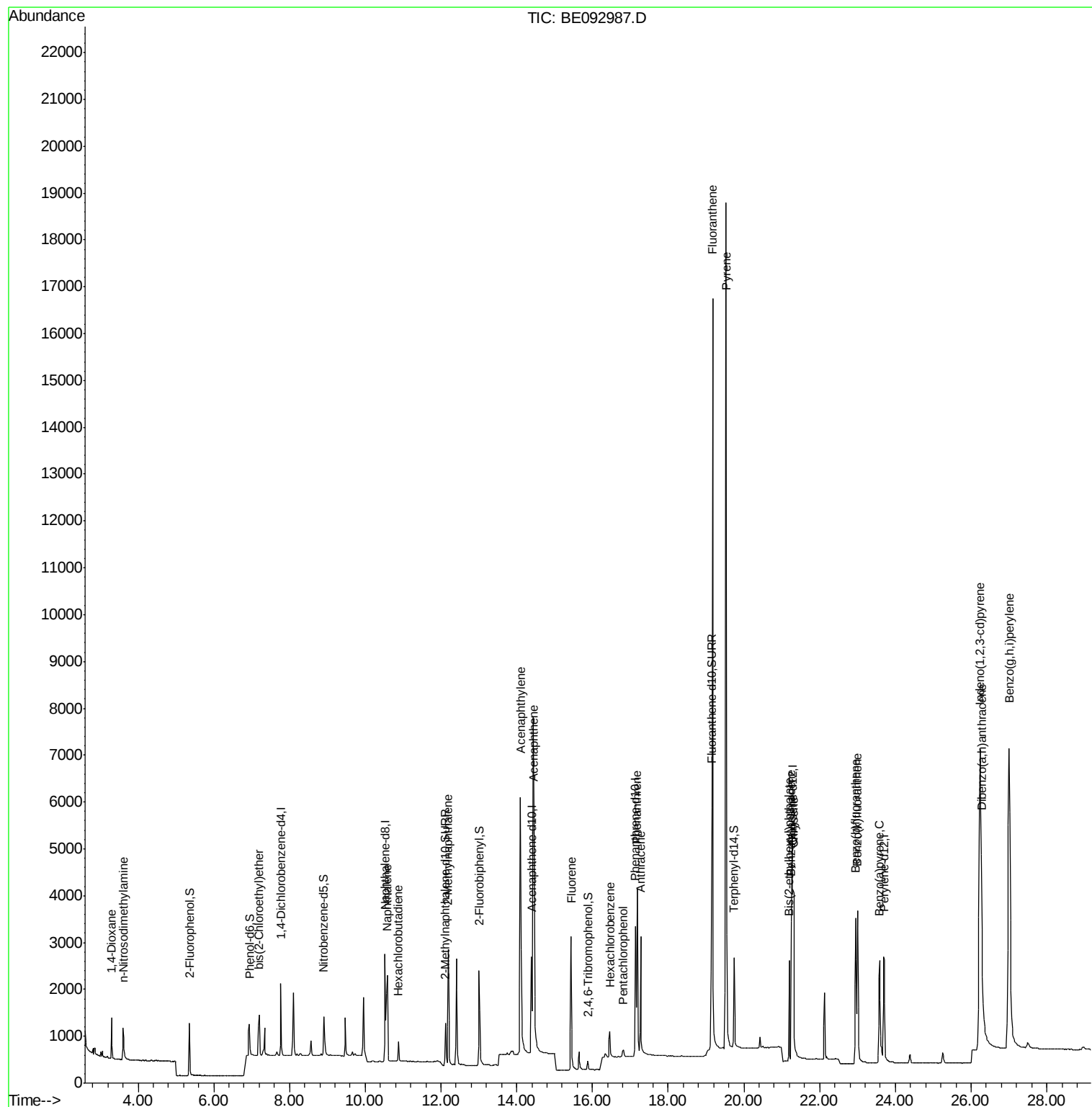
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051017\  
Data File : BE092987.D  
Acq On : 10 May 2017 18:16  
Operator : SJ/MA  
Sample : SSTDCCC0.4EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

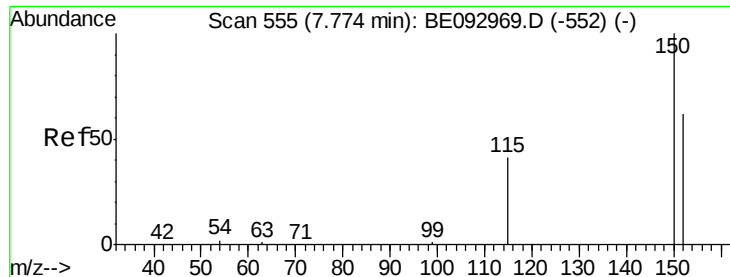
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

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Quant Time: May 11 05:32:32 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 10 03:43:15 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

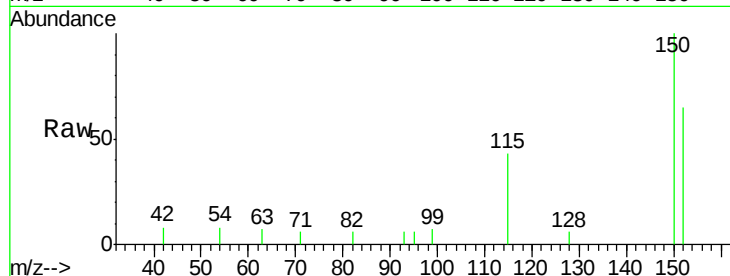
ClientSampleId :

SSTDCCC0.4EC

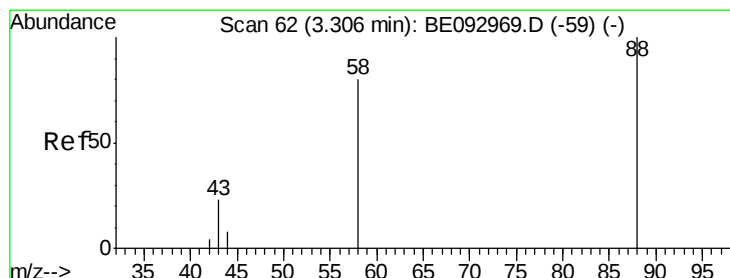
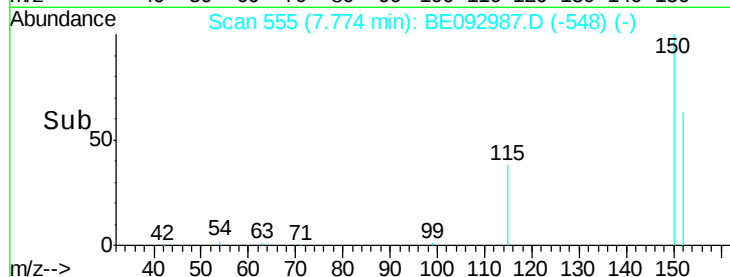
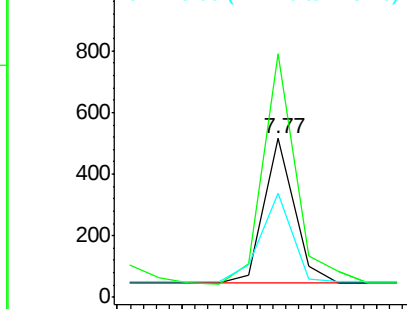
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 760   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 153.3 | 125.1 | 187.7 |
| 115       | 65.3  | 55.7  | 83.5  |

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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: 0.36 ng

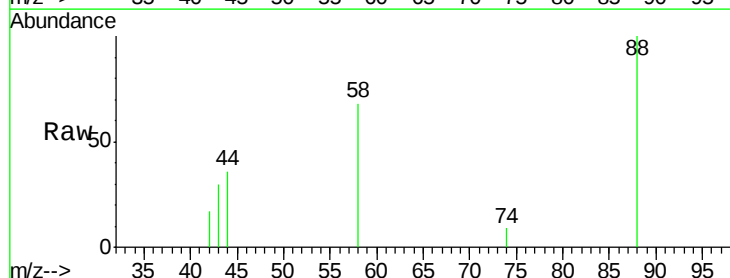
RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

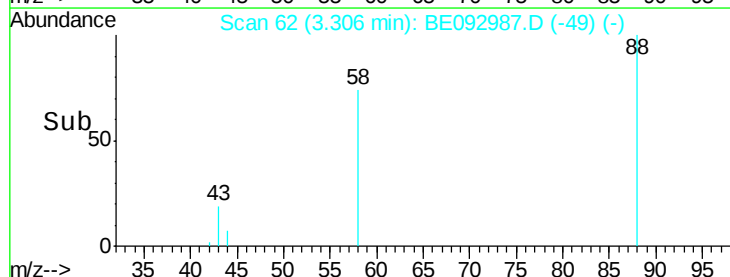
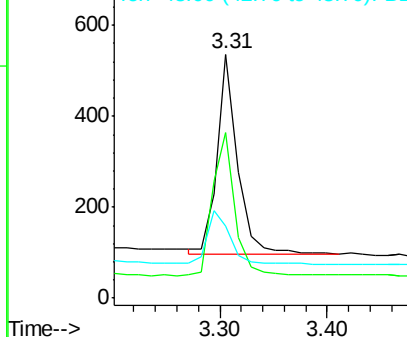
Lab File: BE092987.D

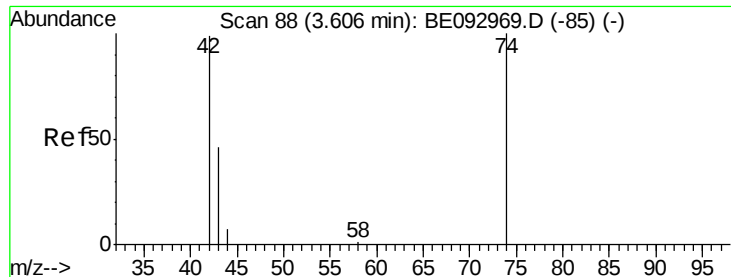
Acq: 10 May 2017 18:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 88    | Resp: | 574  |
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 58        | 78.6  | 62.2  | 93.4 |
| 43        | 31.7  | 23.2  | 34.8 |



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

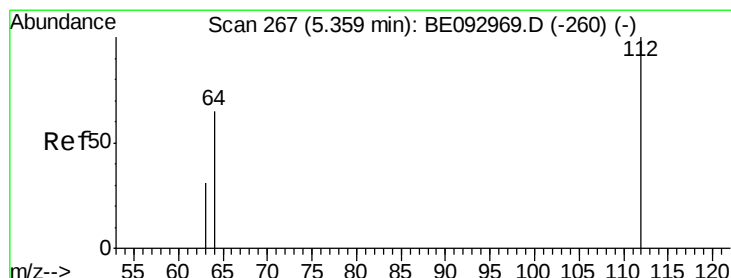
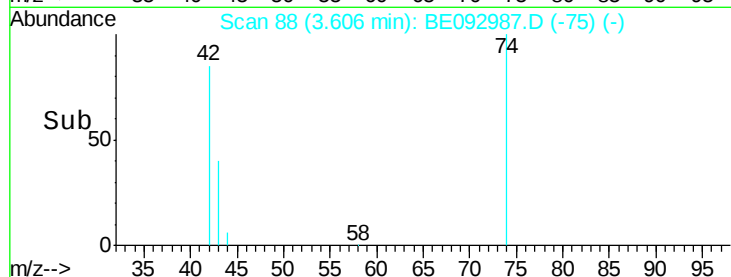
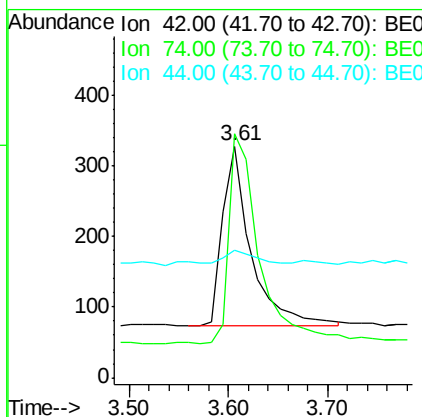
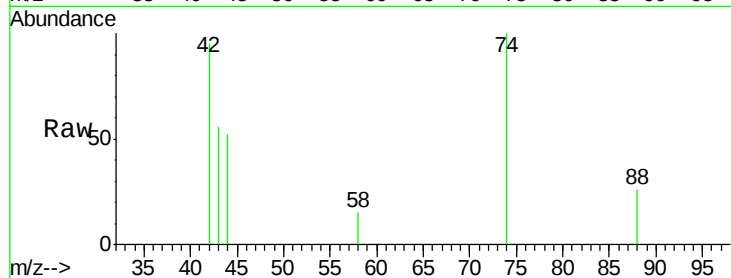
n-Nitrosodimethylamine  
Concen: 0.38 ng  
RT: 3.61 min Scan# 88  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
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ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 503  
Ion Ratio Lower Upper  
42 100  
74 123.5 99.1 148.7  
44 8.3 7.4 11.2

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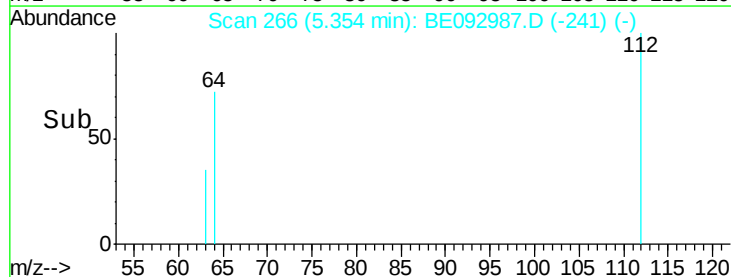
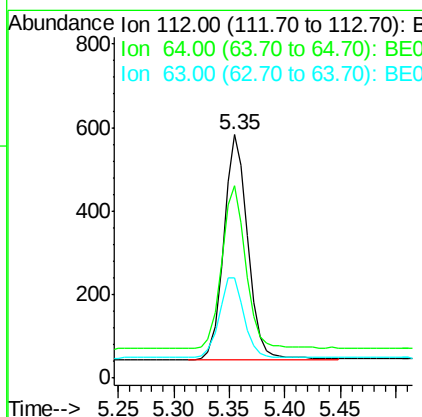
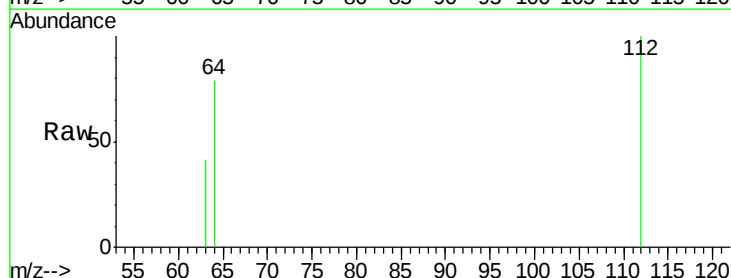
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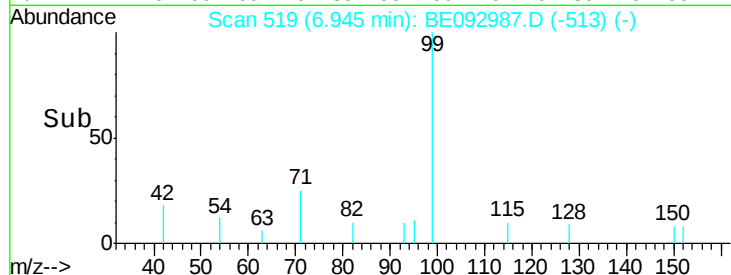
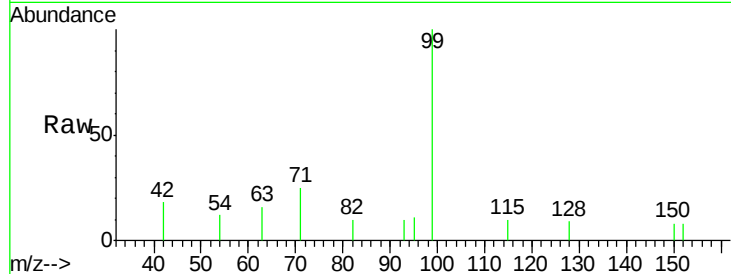
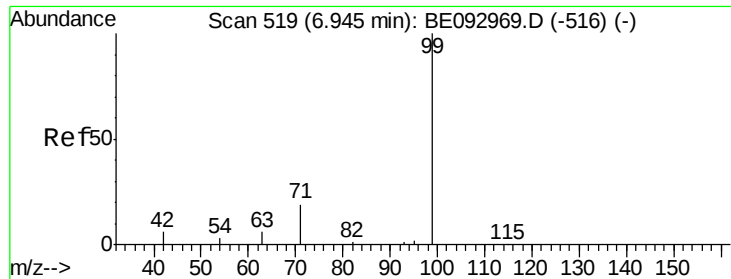


#4

2-Fluorophenol  
Concen: 0.38 ng  
RT: 5.35 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Tgt Ion: 112 Resp: 810  
Ion Ratio Lower Upper  
112 100  
64 71.6 56.4 84.6  
63 36.8 29.3 43.9





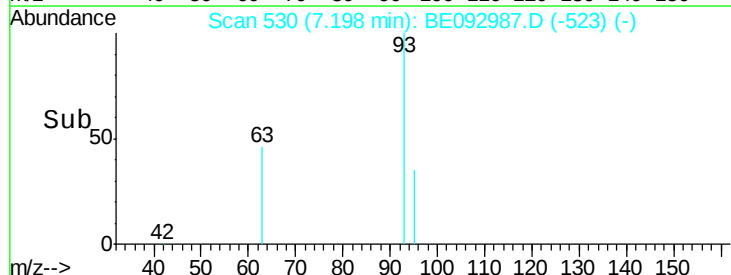
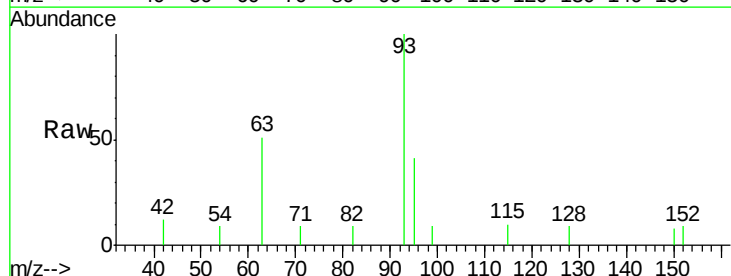
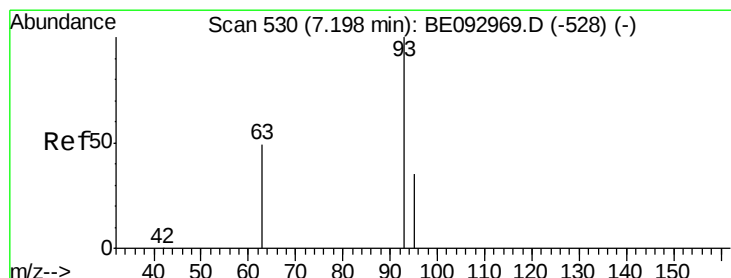
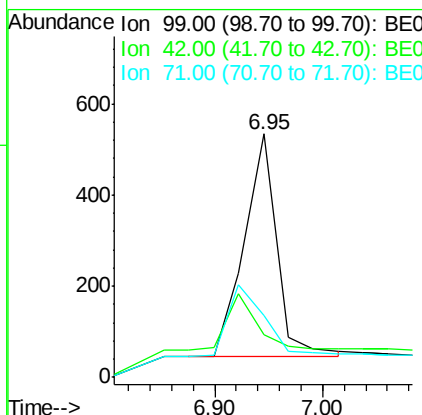
#5  
Phenol-d6  
Concen: 0.39 ng  
RT: 6.95 min Scan# 519  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 99      | 100   |            | 1030       |
| 42      | 0.0   | 0.0        | 0.0        |
| 71      | 0.0   | 0.0        | 0.0        |

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

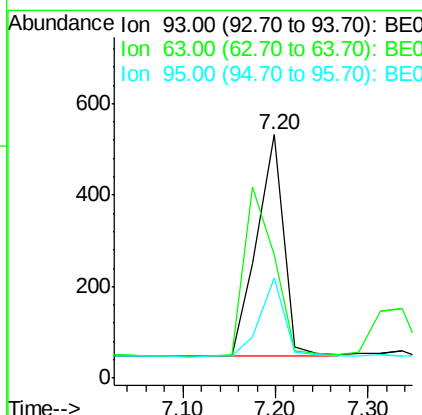
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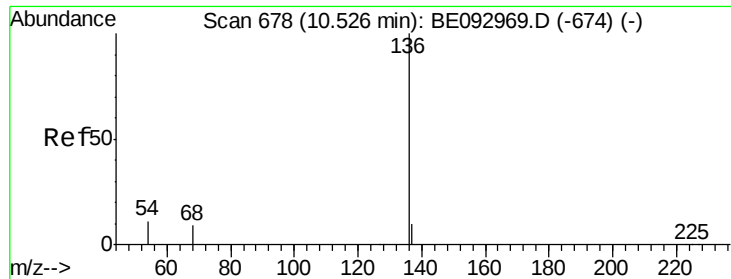
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#6  
bis(2-Chloroethyl)ether  
Concen: 0.38 ng  
RT: 7.20 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 93      | 100   |            | 985        |
| 63      | 0.0   | 0.0        | 0.0        |
| 95      | 32.4  | 25.4       | 38.0       |





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

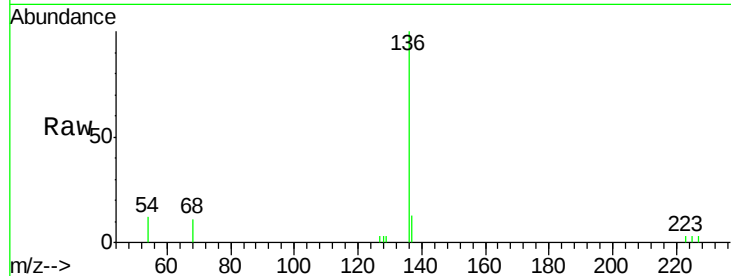
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.8  | 9.8   | 14.8  |
| 54      | 12.5  | 10.3  | 15.5  |
| 68      | 11.0  | 9.0   | 13.4  |

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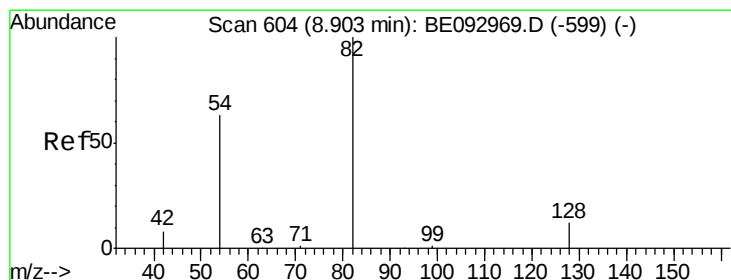
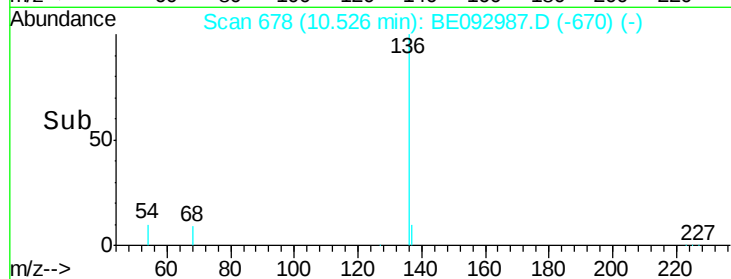
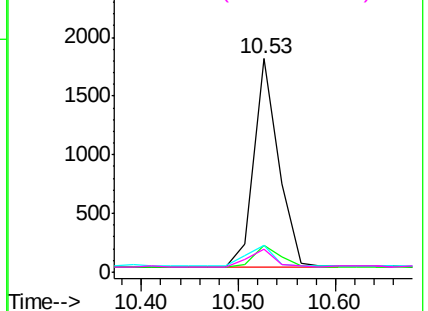


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

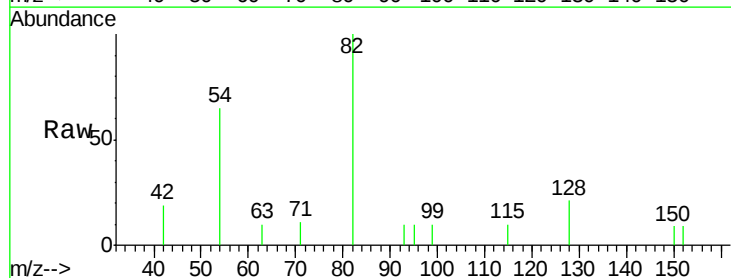
RT: 8.90 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

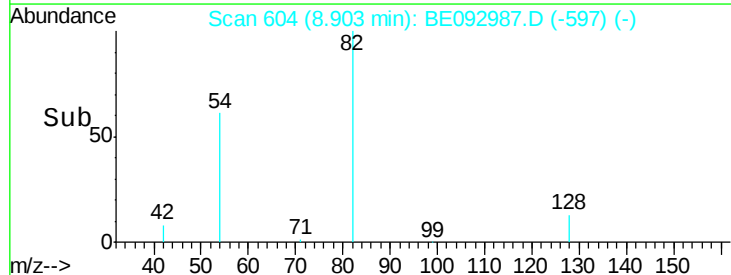
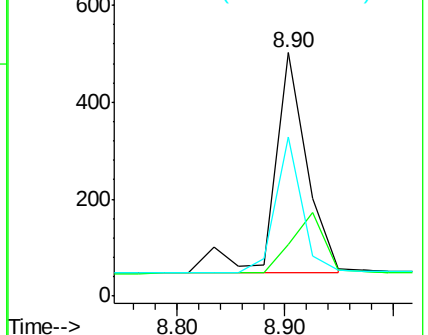
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 21.1  | 17.0  | 25.4  |
| 54      | 65.1  | 53.8  | 80.6  |

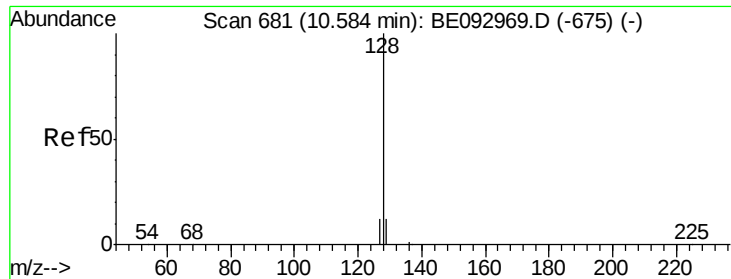


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.38 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

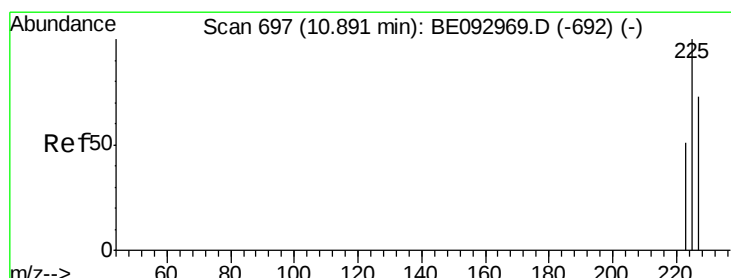
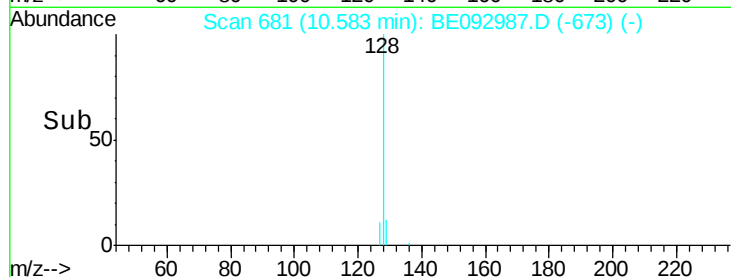
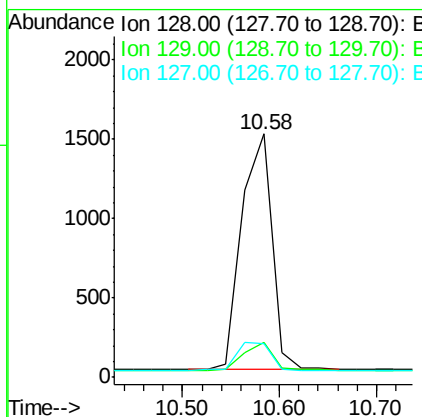
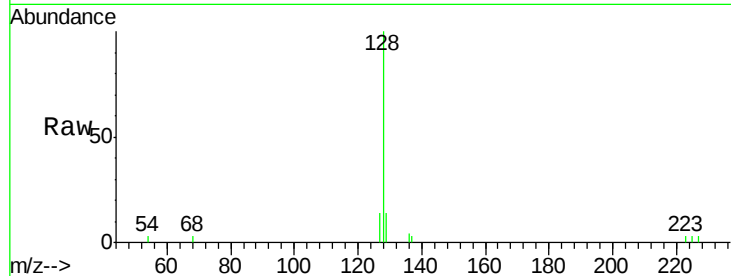
ClientSampleId :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3219  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 14.3  | 11.4  | 17.0  |
| 127      | 14.0  | 11.2  | 16.8  |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 0.36 ng

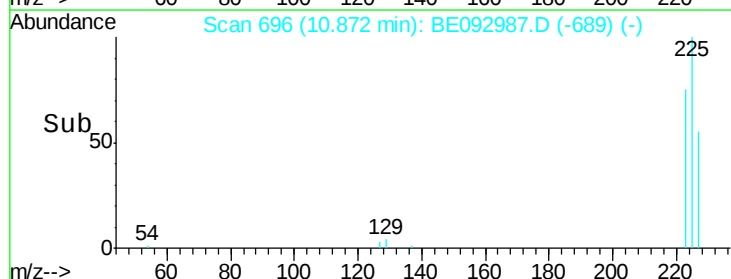
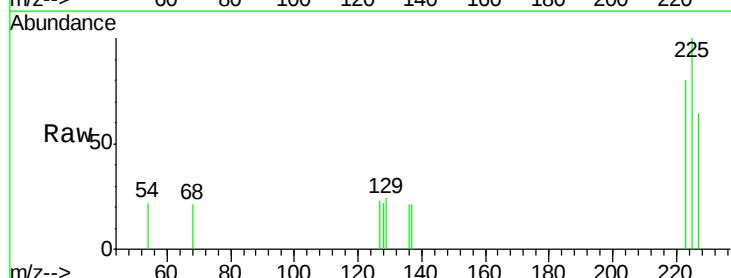
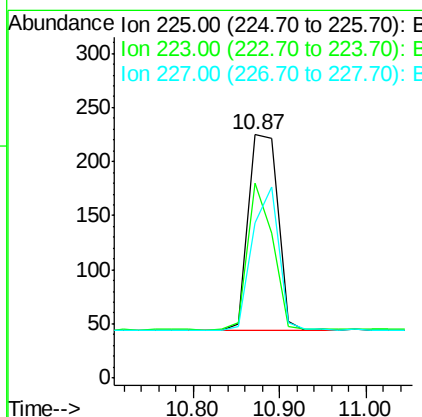
RT: 10.87 min Scan# 696

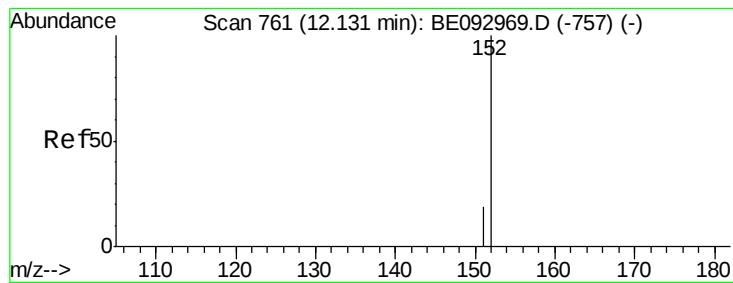
Delta R.T. -0.02 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 430   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.4  | 49.7  | 74.5  |
| 227      | 65.3  | 50.3  | 75.5  |





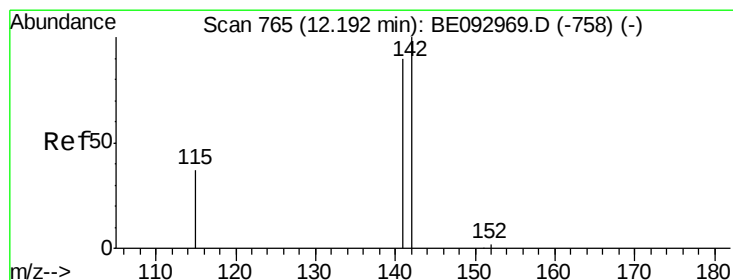
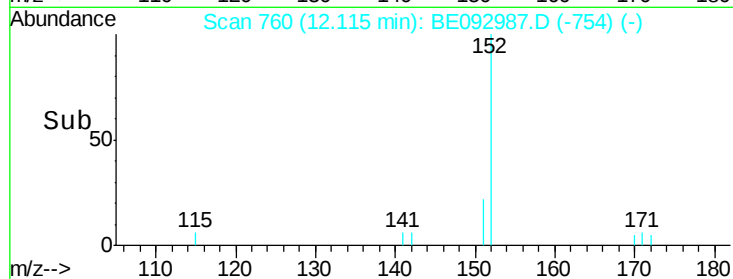
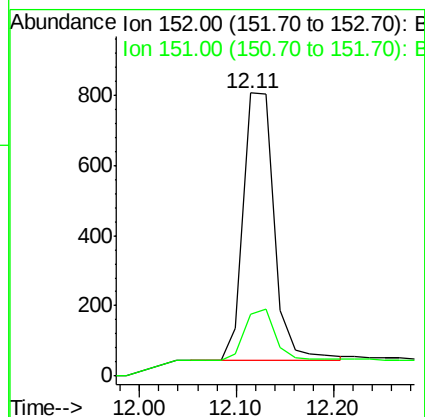
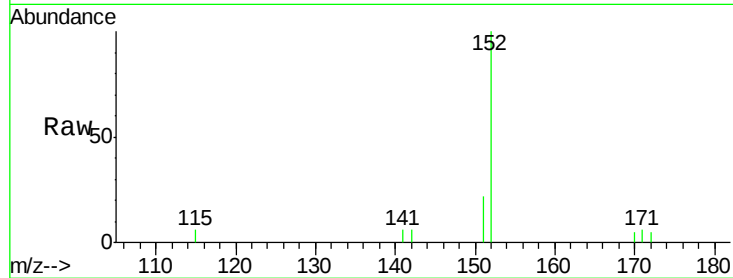
#11  
2-Methylnaphthalene-d10  
Concen: 0.38 ng  
RT: 12.11 min Scan# 760  
Delta R.T. -0.02 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1688  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.1 22.7

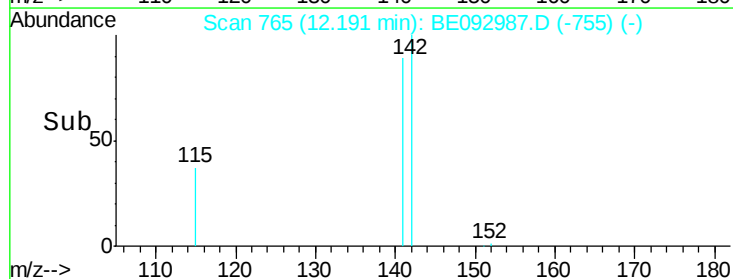
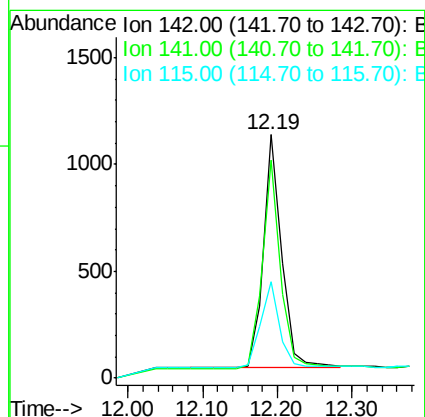
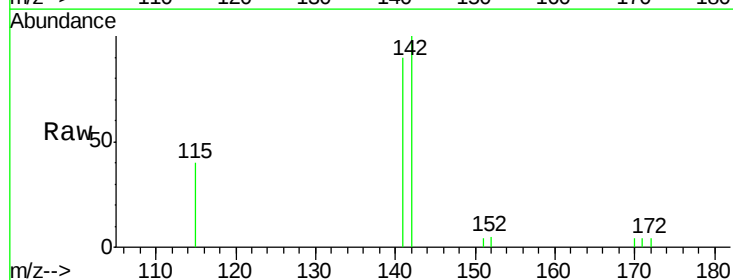
Manual Integrations  
APPROVED

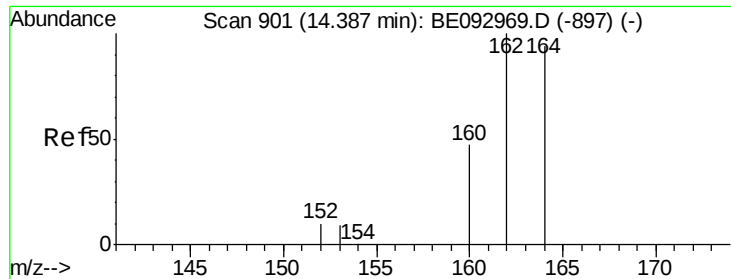
mohammad  
5/11/2017 8:33:15 AM



#12  
2-Methylnaphthalene  
Concen: 0.39 ng  
RT: 12.19 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Tgt Ion:142 Resp: 1870  
Ion Ratio Lower Upper  
142 100  
141 89.6 72.6 108.8  
115 39.6 32.2 48.2





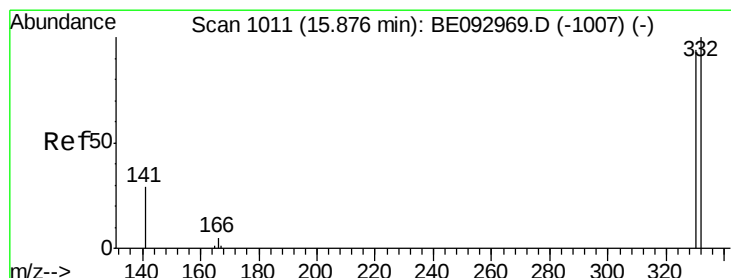
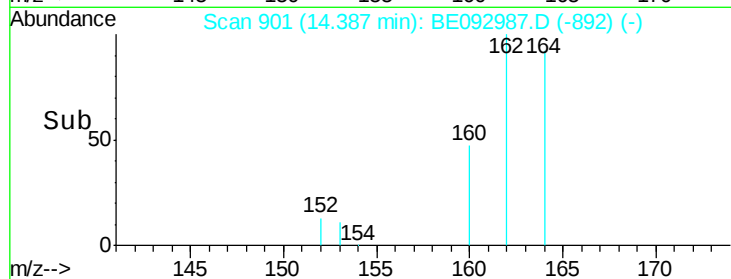
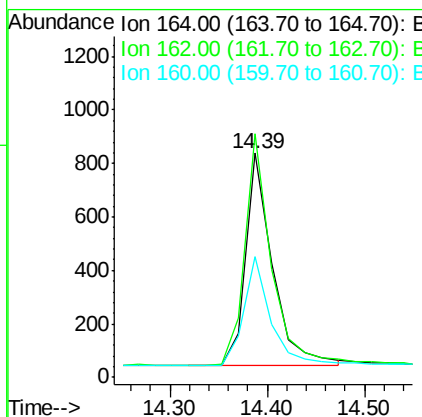
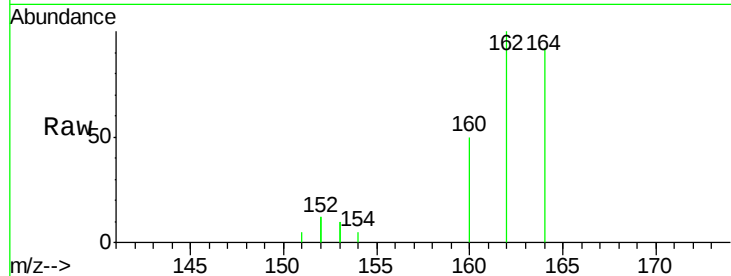
#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.39 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 108.6 | 84.6  | 127.0 |
| 160     | 53.9  | 41.8  | 62.6  |

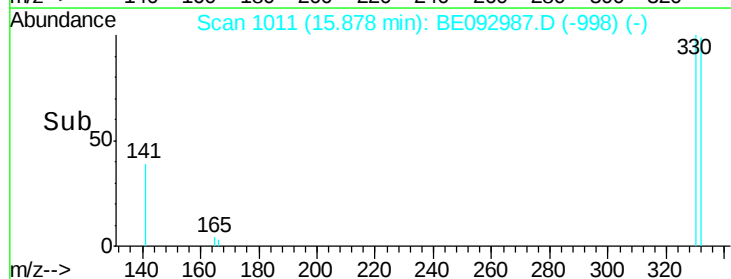
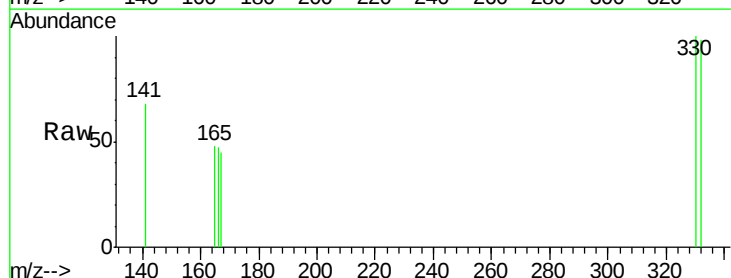
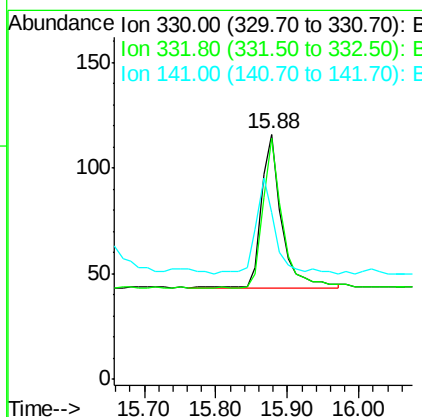
Manual Integrations  
APPROVED

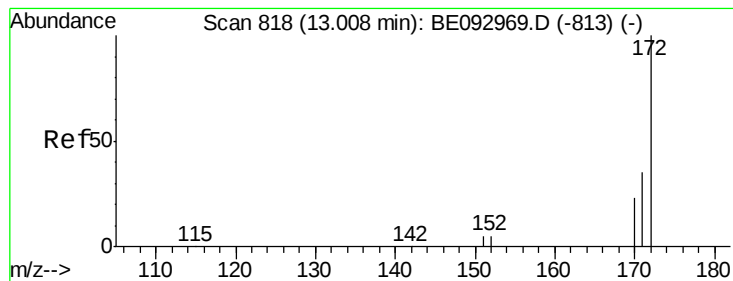
mohammad  
5/11/2017 8:33:15 AM



#14  
2,4,6-Tribromophenol  
Concen: 0.38 ng  
RT: 15.88 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.1  | 77.7  | 116.5 |
| 141     | 56.3  | 56.2  | 84.4  |





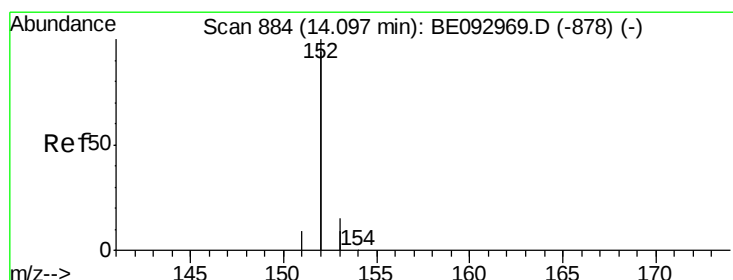
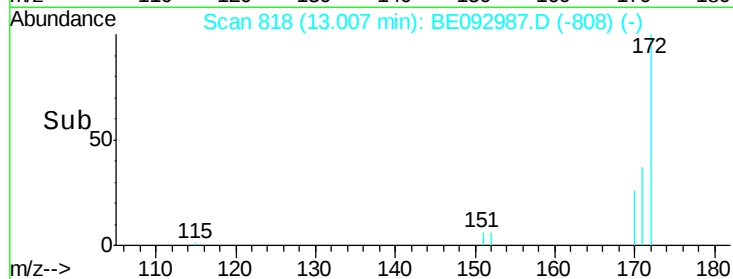
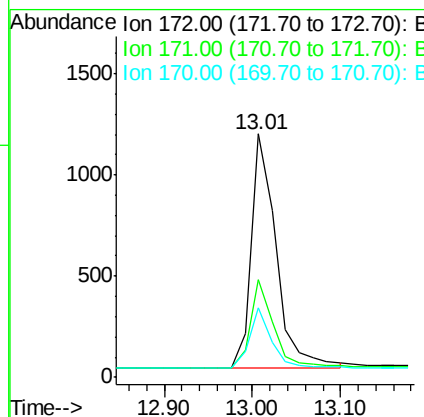
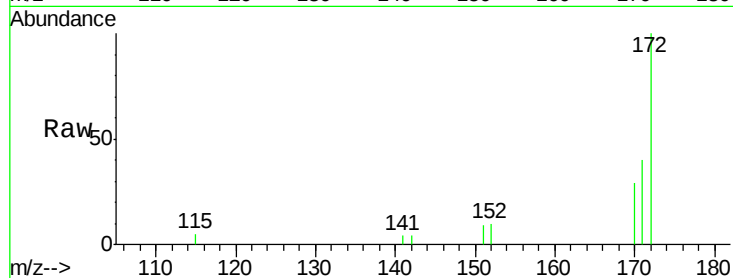
#15  
2-Fluorobiphenyl  
Concen: 0.41 ng  
RT: 13.01 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.9  | 29.8  | 44.6  |
| 170     | 28.5  | 20.7  | 31.1  |

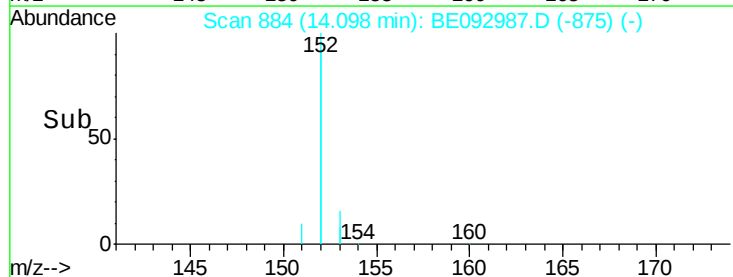
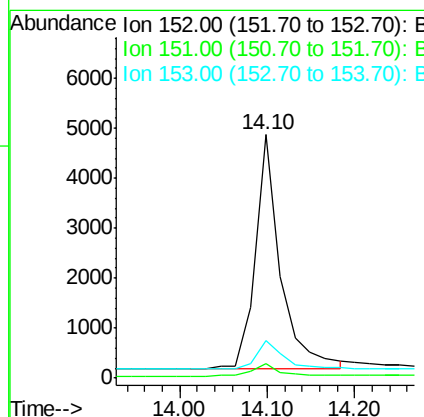
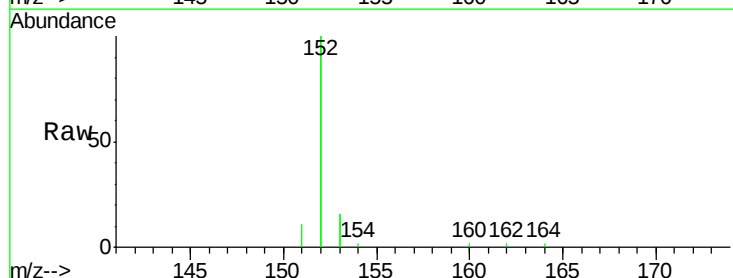
Manual Integrations  
APPROVED

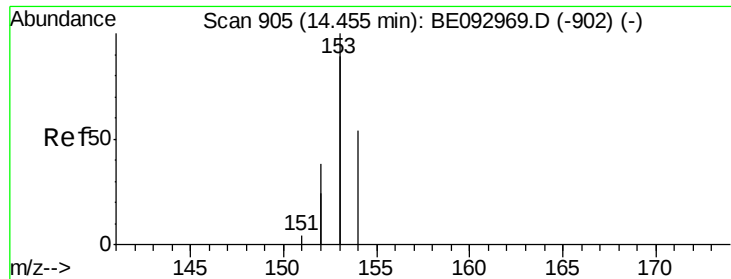
mohammad  
5/11/2017 8:33:15 AM



#16  
Acenaphthylene  
Concen: 0.37 ng  
RT: 14.10 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 5.0   | 4.0   | 6.0   |
| 153     | 12.8  | 10.3  | 15.5  |





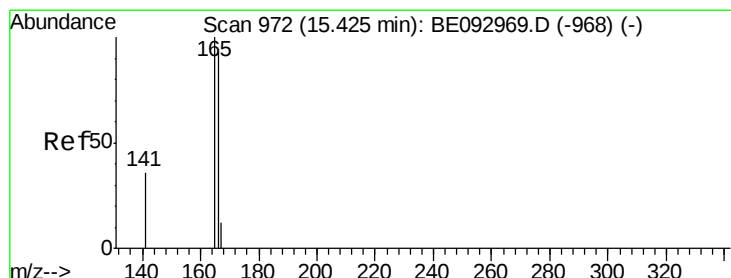
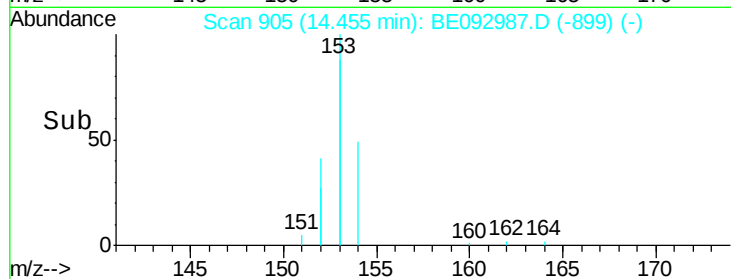
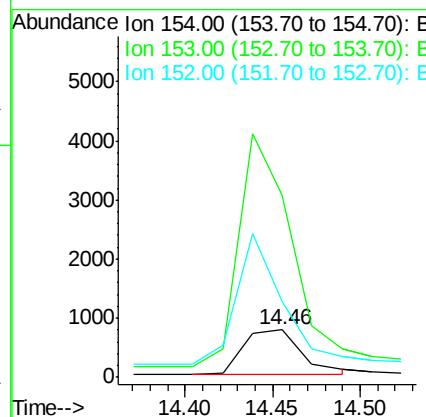
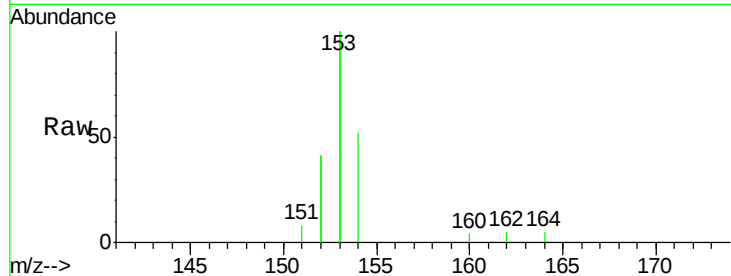
#17  
Acenaphthene  
Concen: 0.38 ng  
RT: 14.46 min Scan# 905  
Delta R.T. 0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 460.0 | 367.8 | 551.6 |
| 152     | 228.3 | 188.2 | 282.2 |

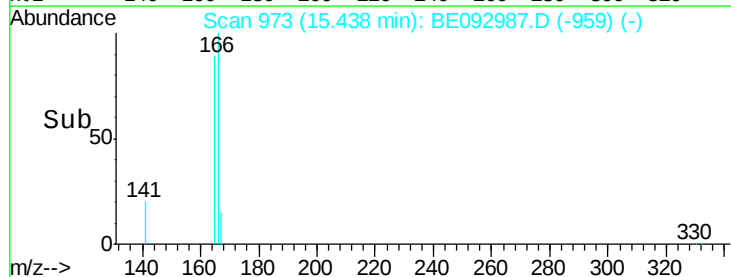
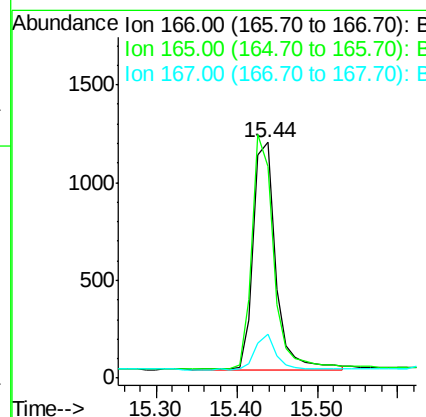
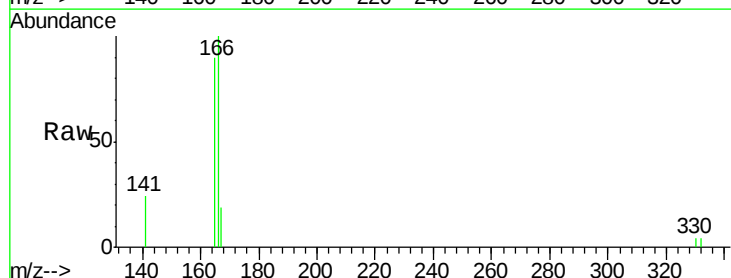
Manual Integrations  
APPROVED

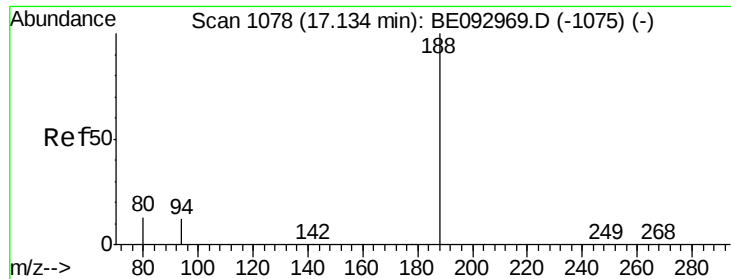
mohammad  
5/11/2017 8:33:15 AM



#18  
Fluorene  
Concen: 0.39 ng  
RT: 15.44 min Scan# 973  
Delta R.T. 0.01 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.5  | 78.6  | 117.8 |
| 167     | 14.2  | 11.1  | 16.7  |





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

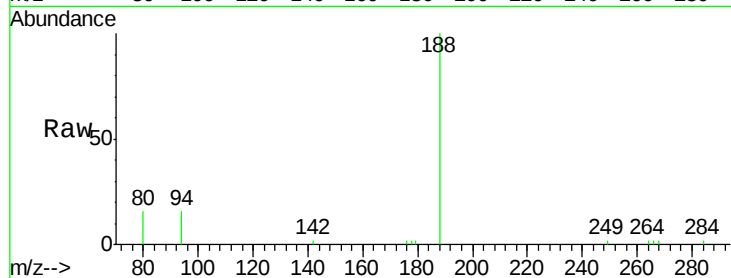
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 3989 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 15.5  | 11.3  | 16.9 |
| 80        | 16.3  | 11.7  | 17.5 |

Manual Integrations  
APPROVED

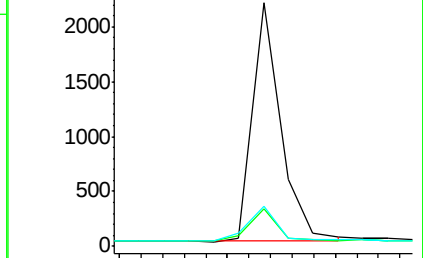
mohammad  
5/11/2017 8:33:15 AM



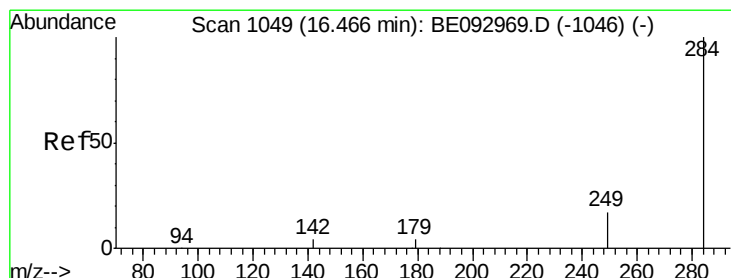
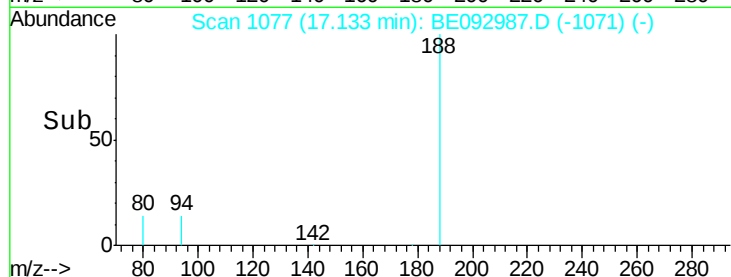
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time--> 17.00 17.10 17.20



#20

Hexachlorobenzene

Concen: 0.37 ng

RT: 16.47 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE092987.D

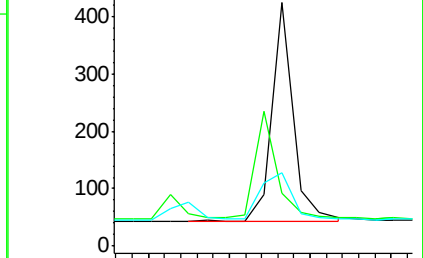
Acq: 10 May 2017 18:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 693  |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 30.2  | 0.0   | 0.0# |

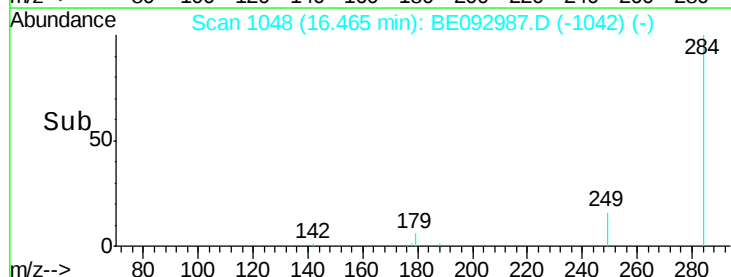
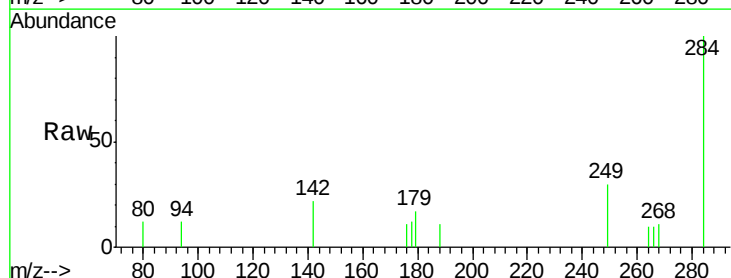
Abundance Ion 283.80 (283.50 to 284.50): E

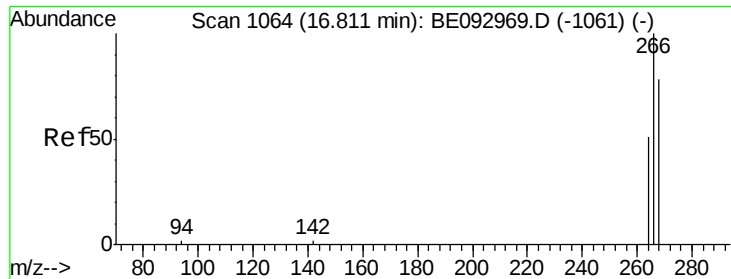
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time--> 16.30 16.40 16.50





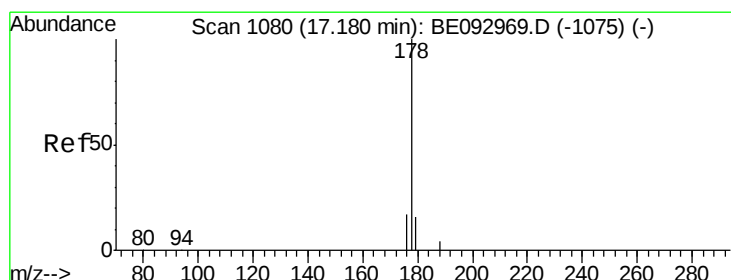
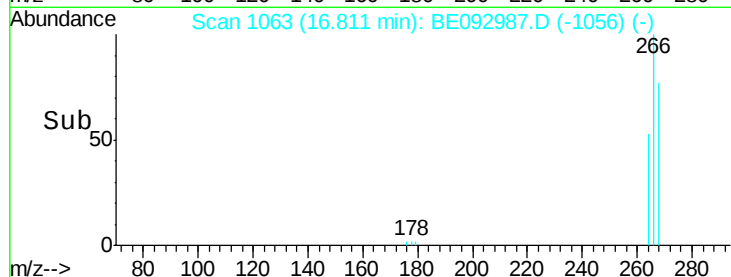
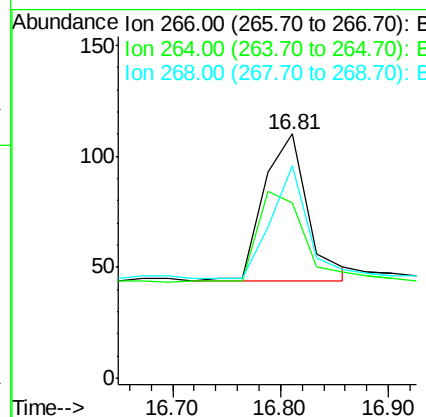
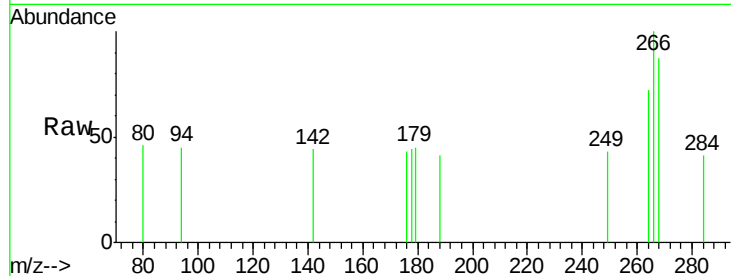
#21  
 Pentachlorophenol  
 Concen: 0.43 ng  
 RT: 16.81 min Scan# 1063  
 Delta R.T. -0.00 min  
 Lab File: BE092987.D  
 Acq: 10 May 2017 18:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Tgt Ion: 266 Resp: 187  
 Ion Ratio Lower Upper  
 266 100  
 264 71.8 58.2 87.2  
 268 87.3 71.9 107.9

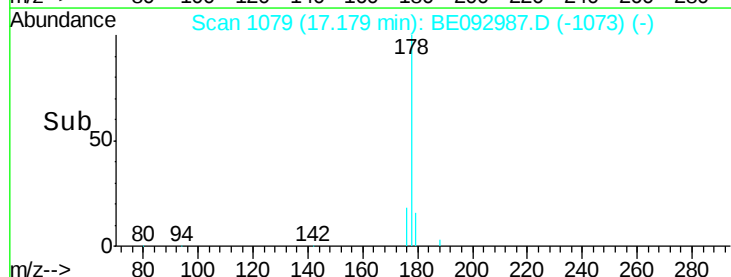
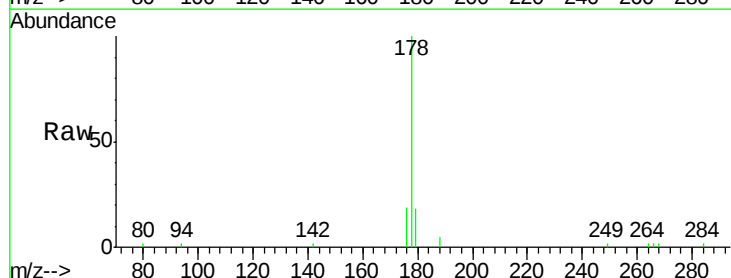
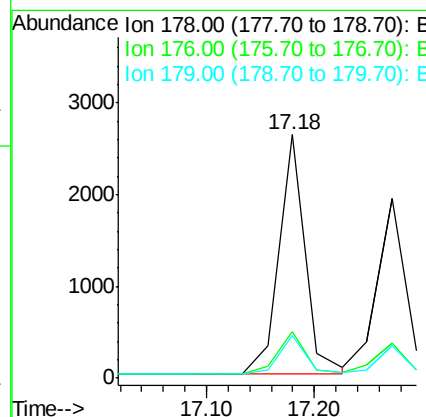
Manual Integrations  
 APPROVED

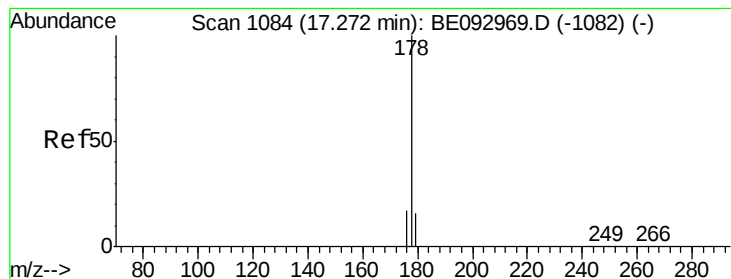
mohammad  
 5/11/2017 8:33:15 AM



#22  
 Phenanthrene  
 Concen: 0.39 ng  
 RT: 17.18 min Scan# 1079  
 Delta R.T. -0.00 min  
 Lab File: BE092987.D  
 Acq: 10 May 2017 18:16

Tgt Ion: 178 Resp: 4422  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.0 22.4  
 179 15.9 12.7 19.1





#23

Anthracene

Concen: 0.39 ng

RT: 17.27 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

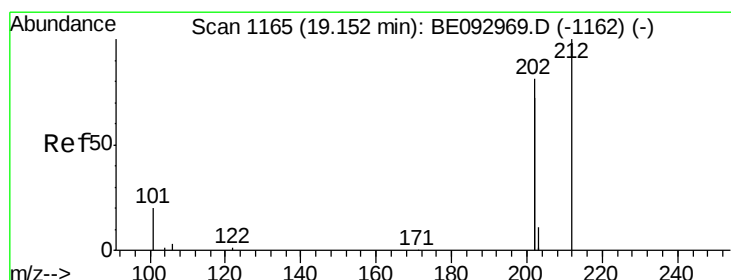
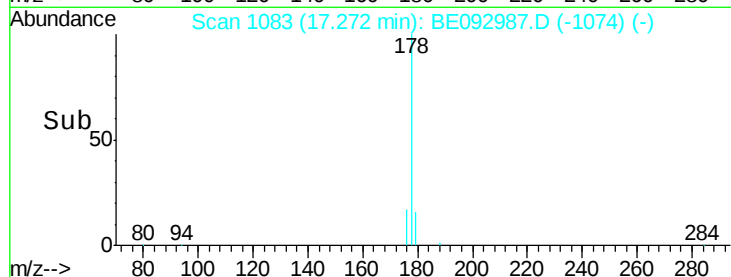
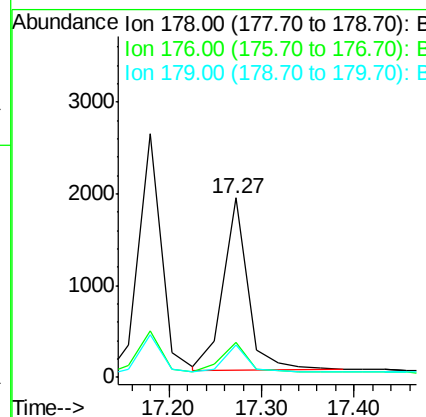
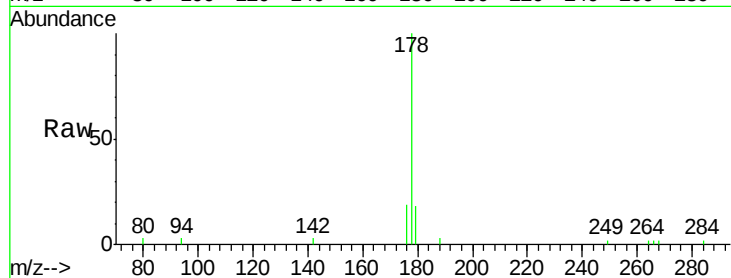
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3525 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.5  | 14.6  | 22.0 |
| 179       | 15.1  | 12.0  | 18.0 |

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#24

Fluoranthene-d10

Concen: 0.40 ng

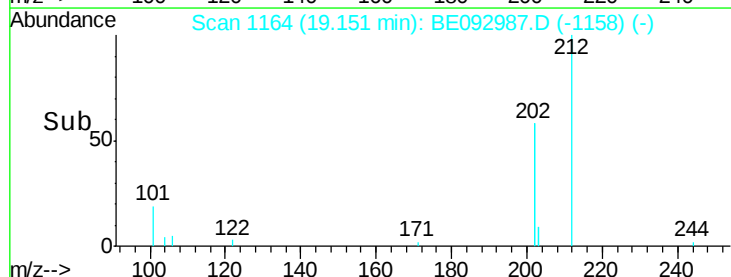
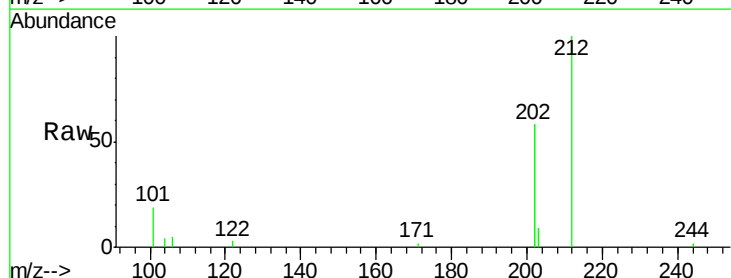
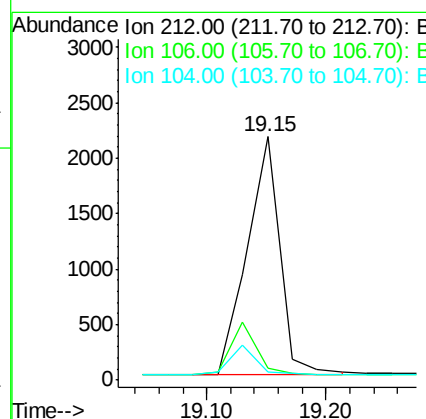
RT: 19.15 min Scan# 1164

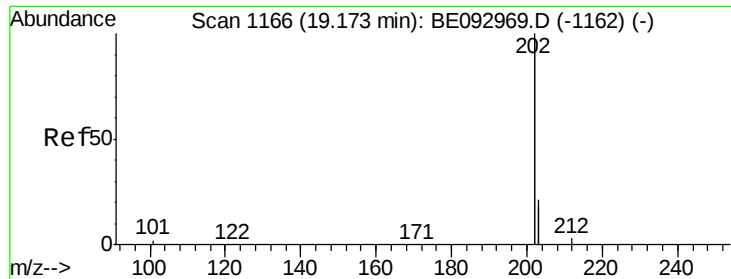
Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 4112 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 0.0   | 0.0   | 0.0  |
| 104       | 0.0   | 0.0   | 0.0  |





#25

Fluoranthene

Concen: 0.40 ng

RT: 19.17 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

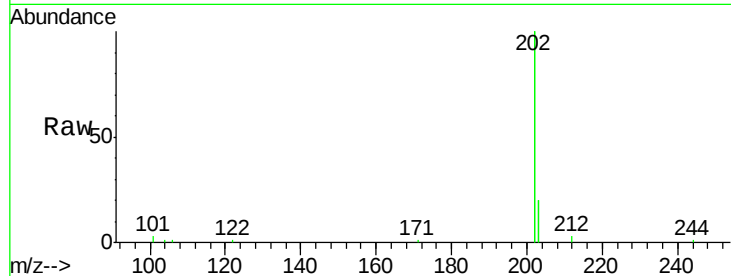
ClientSampleId :

SSTDCCC0.4EC

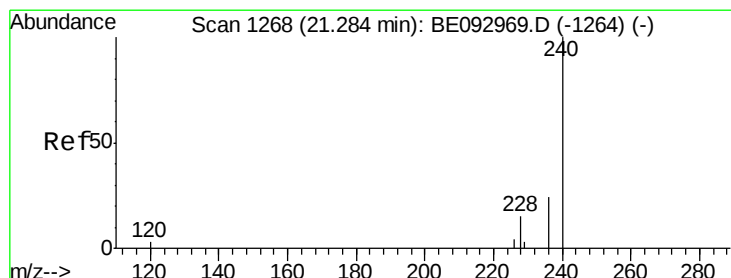
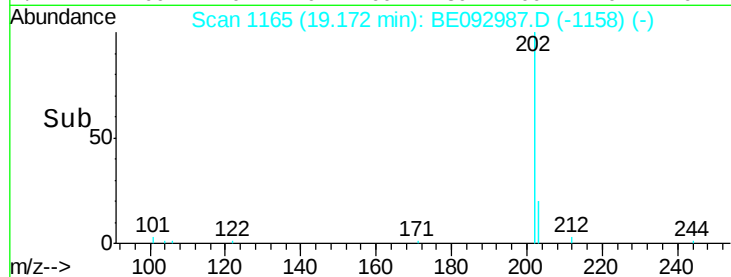
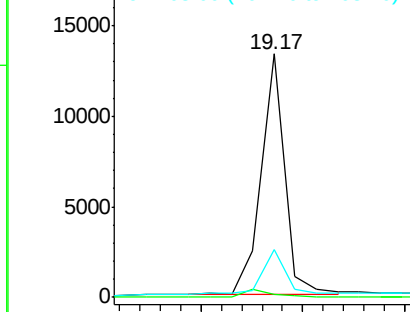
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 21359 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 0.0   | 0.0   | 0.0   |
| 203       | 17.6  | 14.4  | 21.6  |

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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



#26

Chrysene-d12

Concen: 0.40 ng

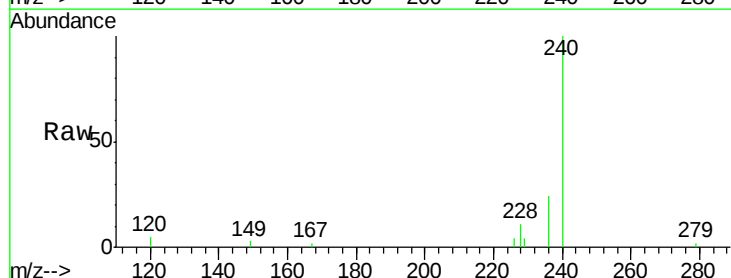
RT: 21.28 min Scan# 1267

Delta R.T. -0.00 min

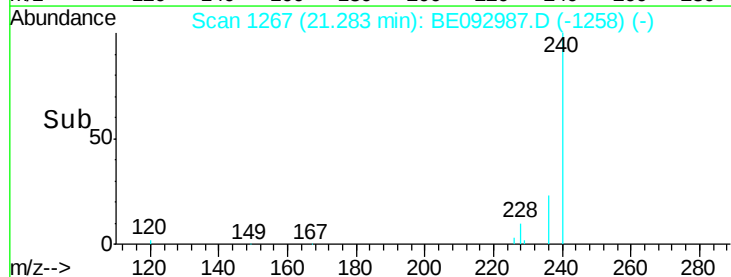
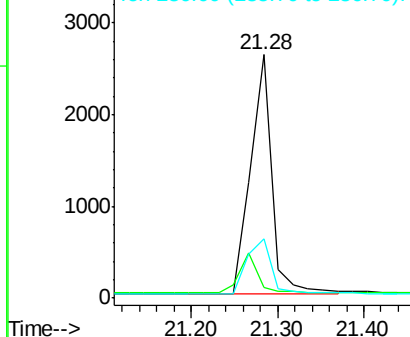
Lab File: BE092987.D

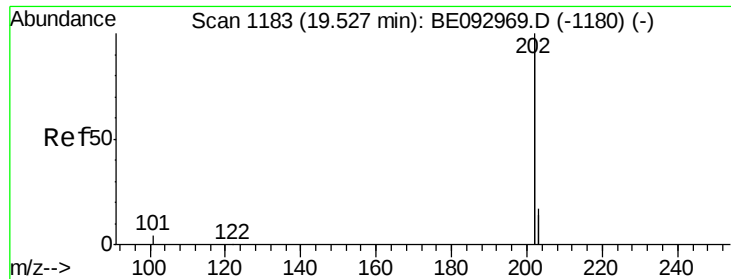
Acq: 10 May 2017 18:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 4497 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 4.6   | 4.6   | 7.0# |
| 236       | 24.2  | 20.8  | 31.2 |



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





#27

Pyrene

Concen: 0.38 ng

RT: 19.53 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE092987.D

Acq: 10 May 2017 18:16

Instrument :

BNA\_E

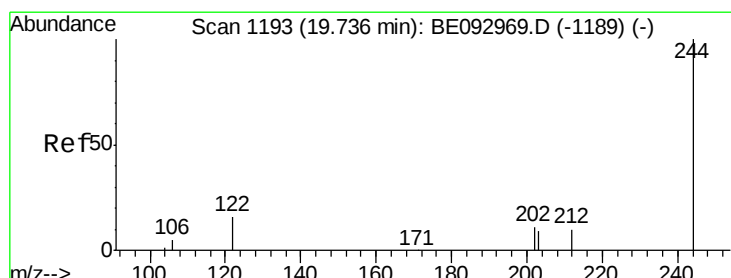
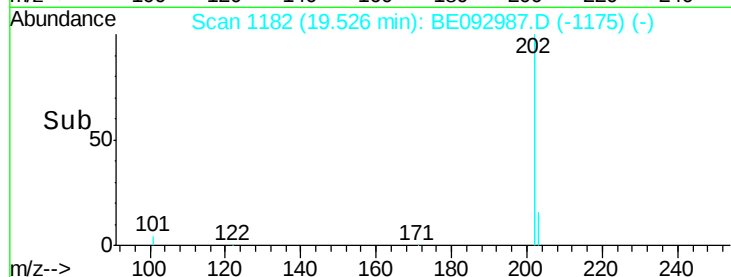
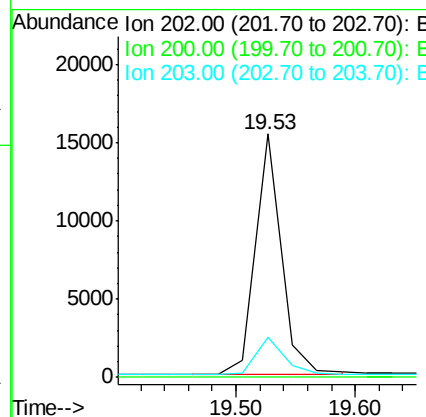
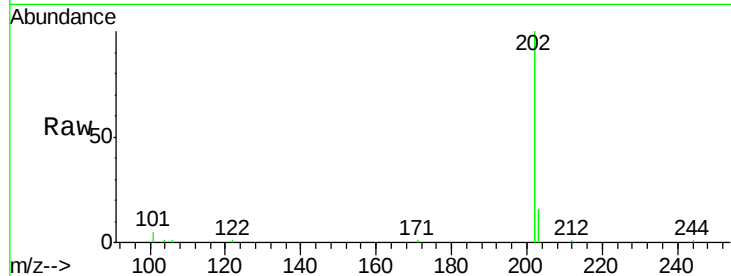
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 23108 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 0.0   | 0.0   | 0.0   |
| 203       | 16.6  | 13.7  | 20.5  |

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#28

Terphenyl-d14

Concen: 0.39 ng

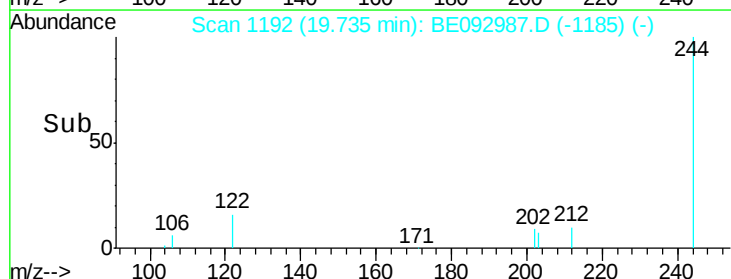
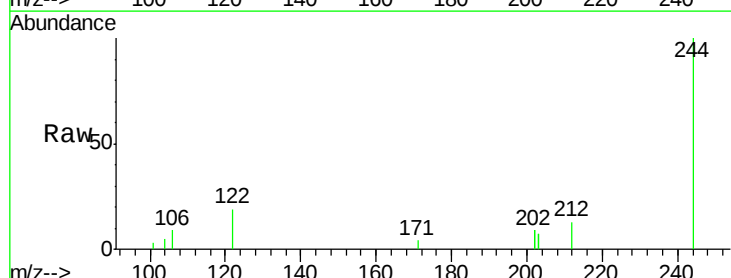
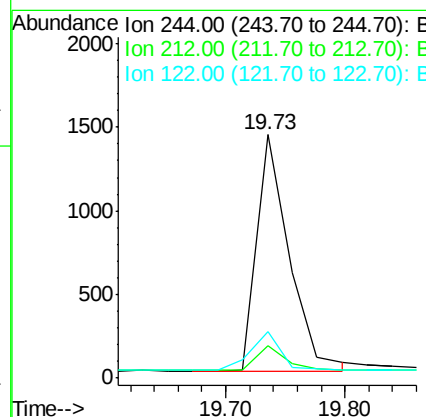
RT: 19.73 min Scan# 1192

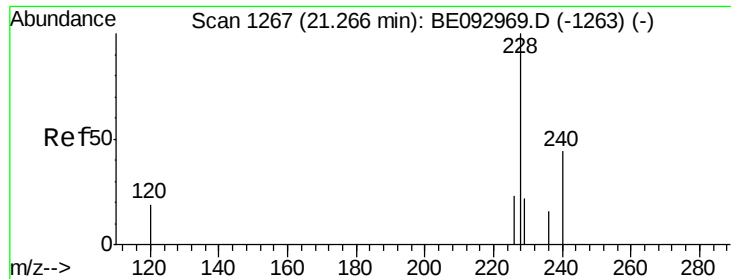
Delta R.T. -0.00 min

Lab File: BE092987.D

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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 2671 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 13.1  | 10.6  | 16.0 |
| 122       | 19.2  | 15.4  | 23.0 |





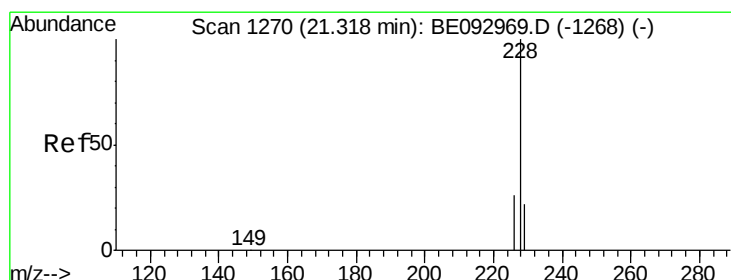
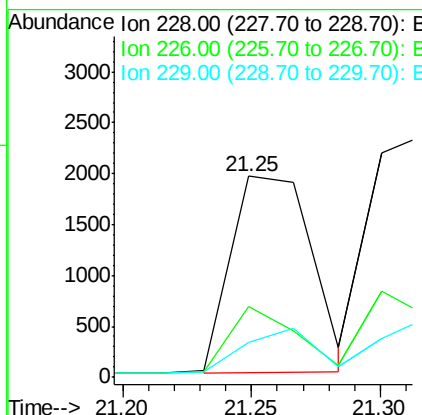
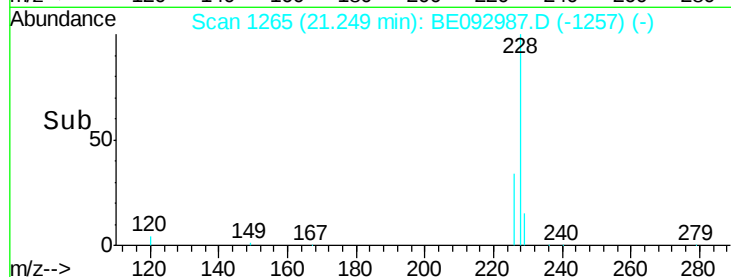
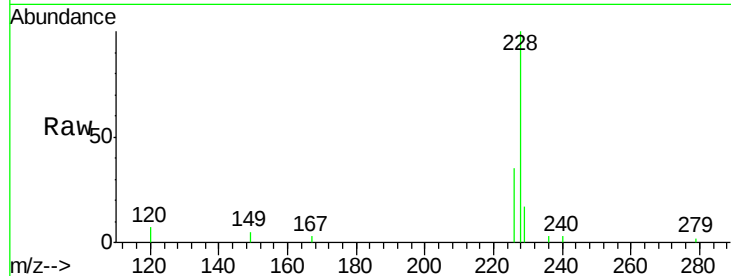
#29  
Benzo(a)anthracene  
Concen: 0.39 ng m  
RT: 21.25 min Scan# 1265  
Delta R.T. -0.02 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:228 Resp: 4196  
Ion Ratio Lower Upper  
228 100  
226 35.1 19.7 29.5#  
229 17.2 19.2 28.8#

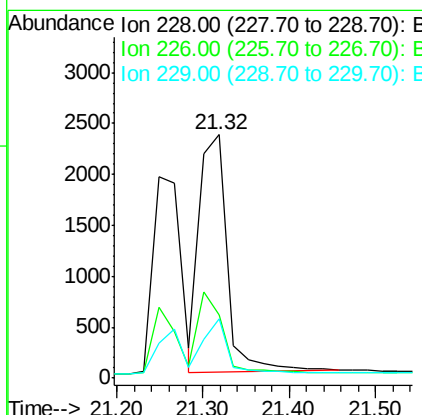
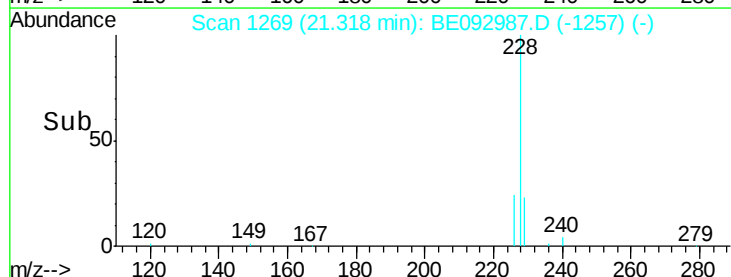
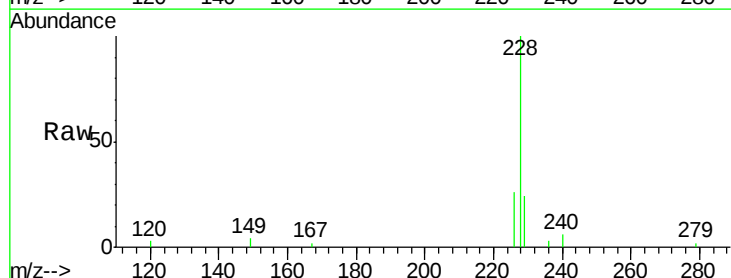
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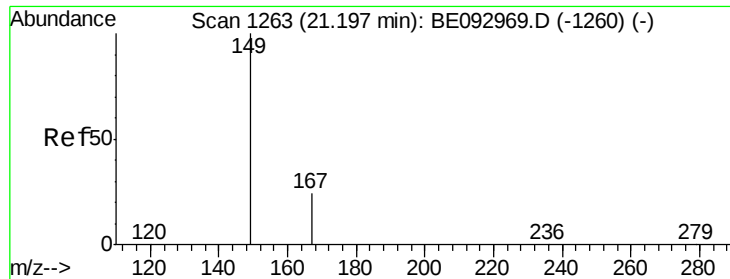
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#30  
Chrysene  
Concen: 0.36 ng  
RT: 21.32 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Tgt Ion:228 Resp: 5179  
Ion Ratio Lower Upper  
228 100  
226 25.8 21.5 32.3  
229 24.2 18.6 28.0





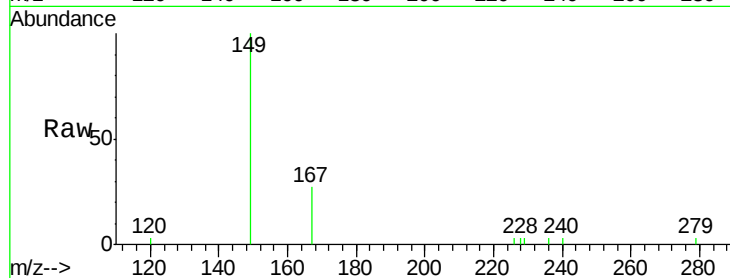
#31  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.49 ng  
 RT: 21.20 min Scan# 1262  
 Delta R.T. -0.00 min  
 Lab File: BE092987.D  
 Acq: 10 May 2017 18:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

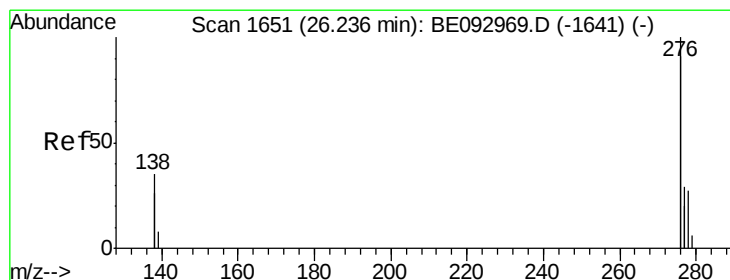
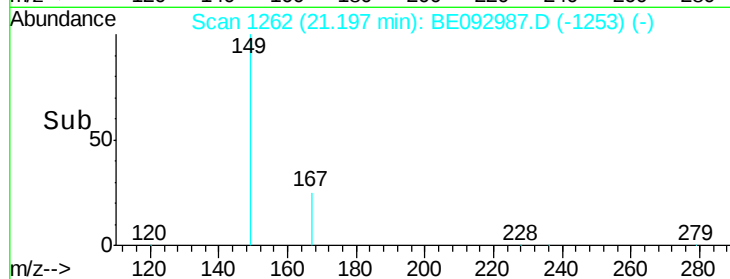
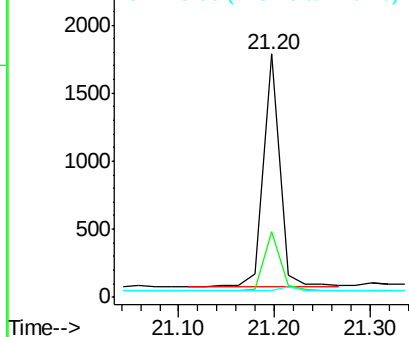
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 2007 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 25.7  | 20.1  | 30.1 |
| 279       | 2.6   | 2.2   | 3.4  |

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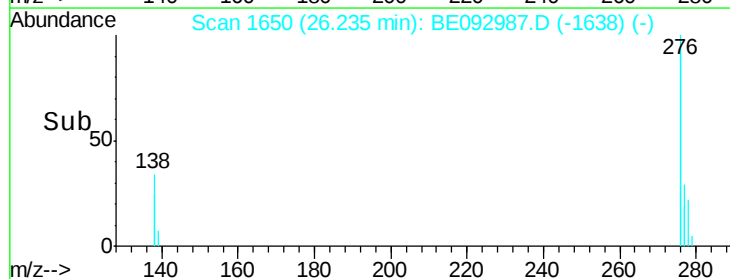
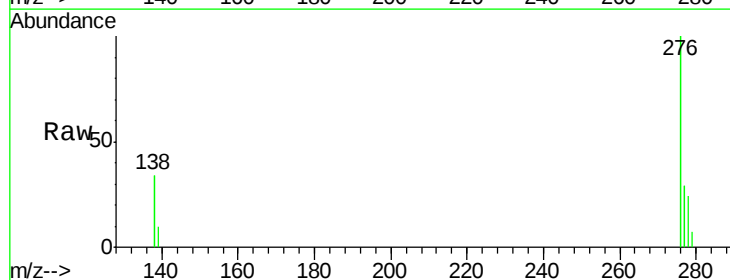
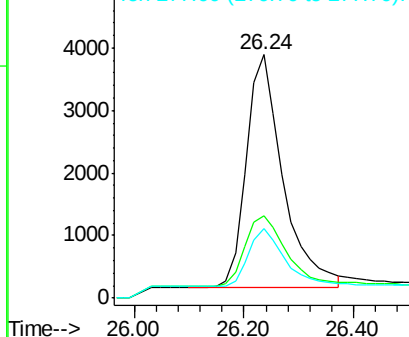
Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

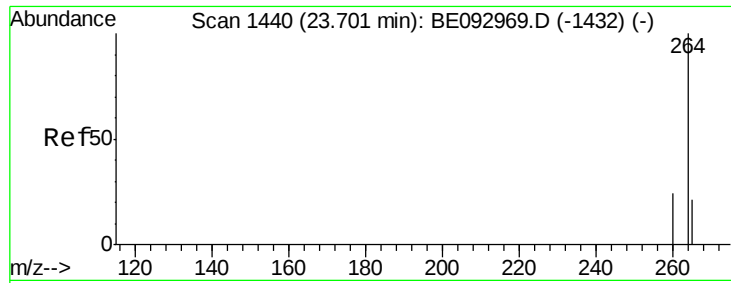


#32  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.35 ng  
 RT: 26.24 min Scan# 1650  
 Delta R.T. -0.00 min  
 Lab File: BE092987.D  
 Acq: 10 May 2017 18:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 17196 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 34.1  | 27.4  | 41.2  |
| 277       | 25.1  | 20.1  | 30.1  |

Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E





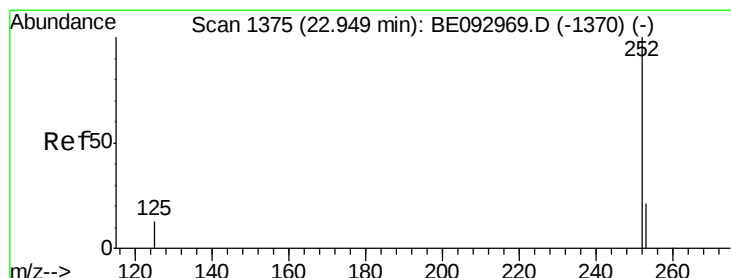
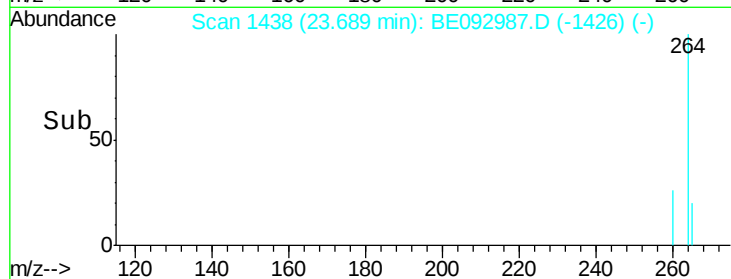
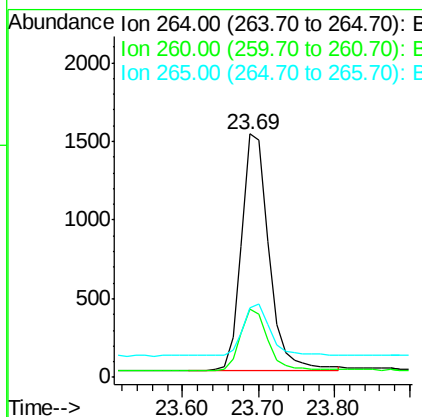
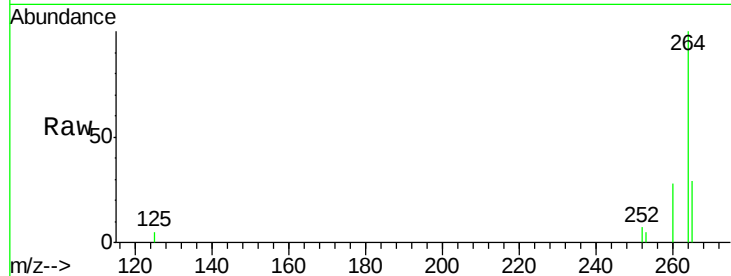
#33  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.69 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BE092987.D  
 Acq: 10 May 2017 18:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   | 3762 |       |       |
| 260     | 28.2  | 21.0 | 31.4  |       |
| 265     | 28.7  | 24.6 | 36.8  |       |

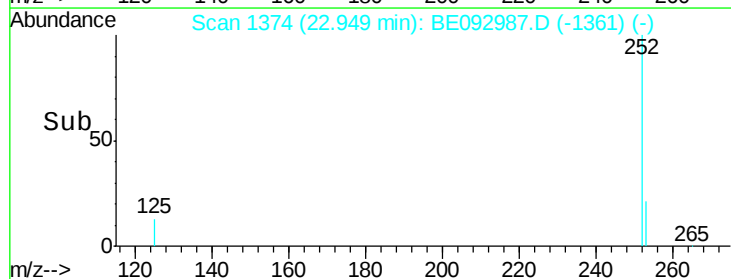
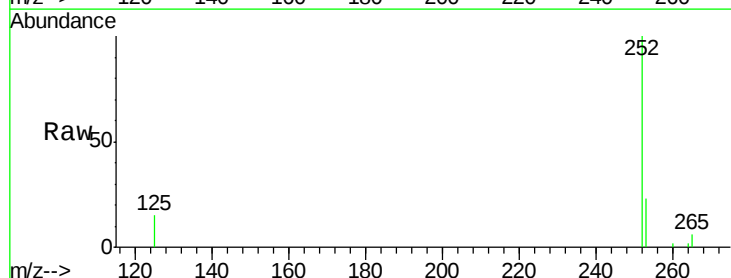
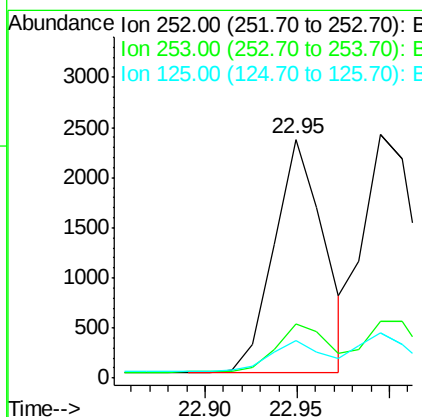
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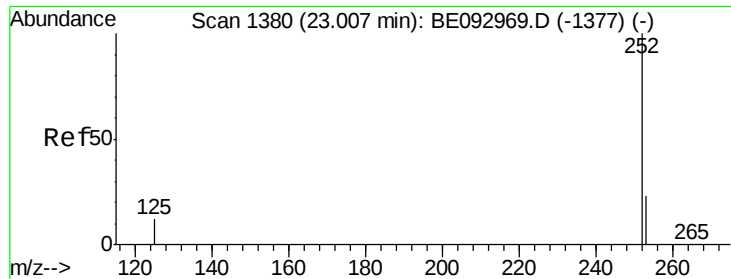
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#34  
 Benzo(b)fluoranthene  
 Concen: 0.38 ng  
 RT: 22.95 min Scan# 1374  
 Delta R.T. -0.00 min  
 Lab File: BE092987.D  
 Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 252     | 100   | 4383 |       |       |
| 253     | 22.9  | 18.5 | 27.7  |       |
| 125     | 15.5  | 13.4 | 20.0  |       |





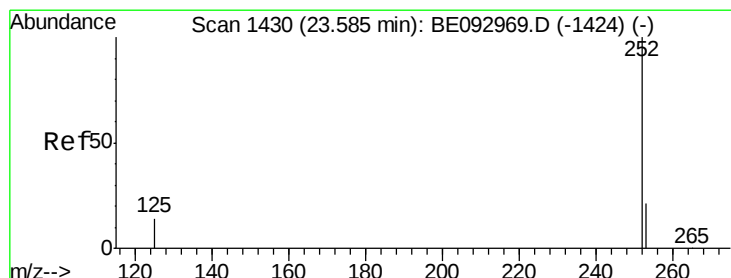
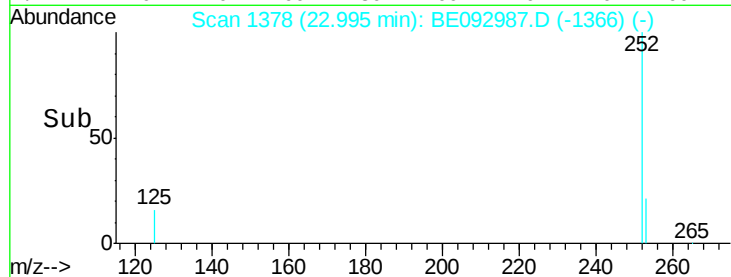
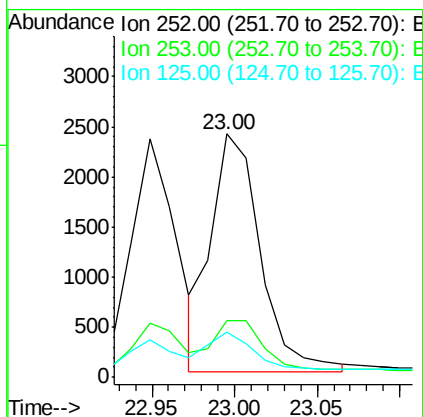
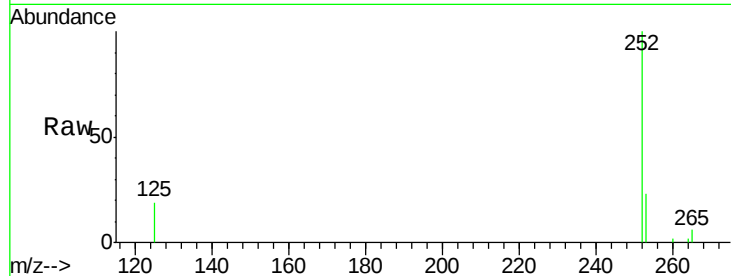
#35  
Benzo(k)fluoranthene  
Concen: 0.40 ng m  
RT: 23.00 min Scan# 1378  
Delta R.T. -0.01 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 20.3  | 30.5  |
| 125     | 18.6  | 12.2  | 18.4  |

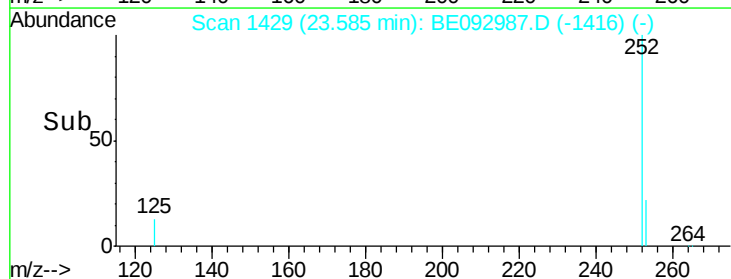
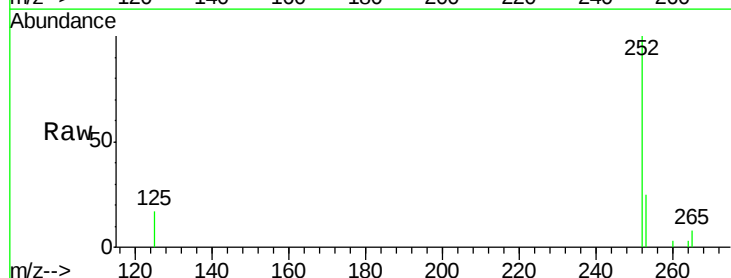
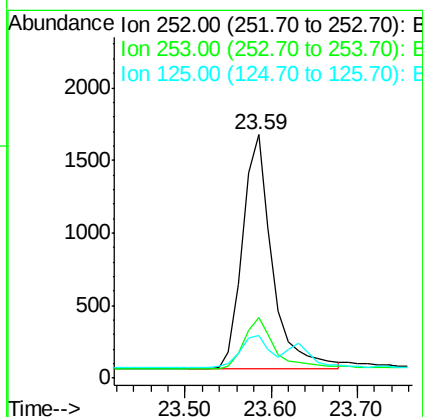
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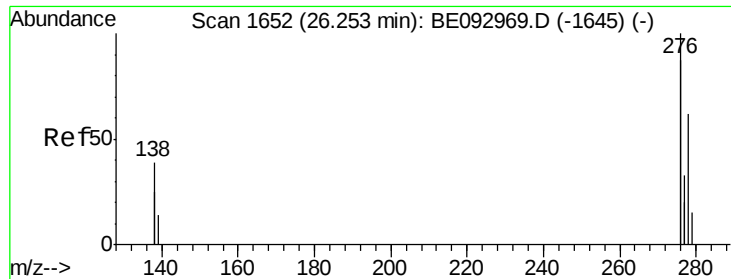
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#36  
Benzo(a)pyrene  
Concen: 0.36 ng  
RT: 23.59 min Scan# 1429  
Delta R.T. -0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 19.9  | 29.9  |
| 125     | 17.4  | 14.6  | 21.8  |





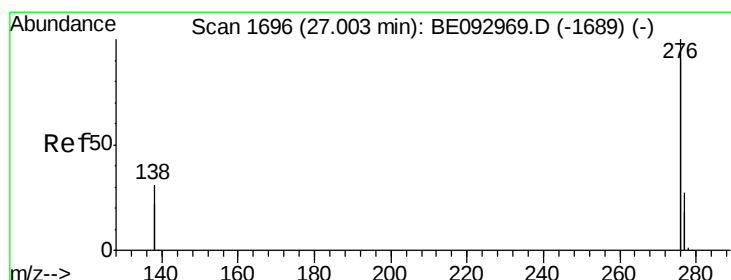
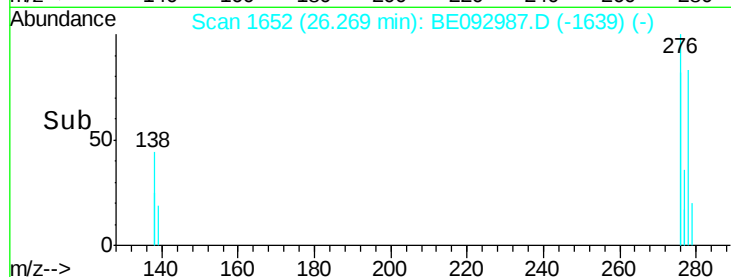
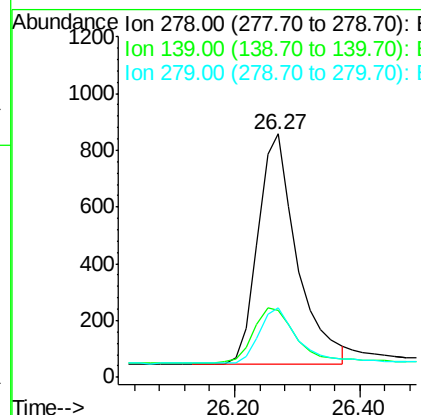
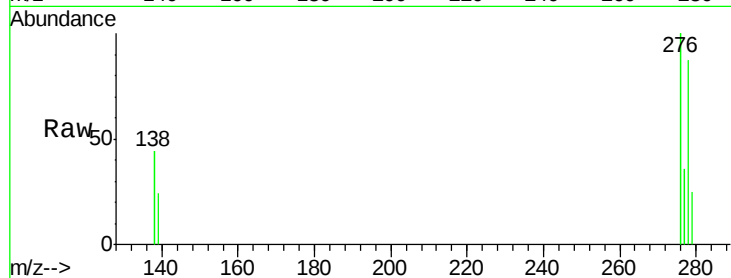
#37  
Dibenzo(a,h)anthracene  
Concen: 0.33 ng  
RT: 26.27 min Scan# 1652  
Delta R.T. 0.02 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 27.7  | 21.4  | 32.0  |
| 279     | 28.3  | 22.2  | 33.2  |

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#38  
Benzo(g,h,i)perylene  
Concen: 0.35 ng  
RT: 27.00 min Scan# 1695  
Delta R.T. -0.00 min  
Lab File: BE092987.D  
Acq: 10 May 2017 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.4  | 21.2  | 31.8  |
| 138     | 30.5  | 24.5  | 36.7  |

