

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080916\  
 Data File : BE092243.D  
 Acq On : 10 Aug 2016 00:16  
 Operator : UM/SJ  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE080916

Manual Integrations  
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 8/10/2016 7:41:15 PM

Quant Time: Aug 10 11:32:18 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 10 11:12:32 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.17  | 152  | 9967     | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.97 | 136  | 48163    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.83 | 164  | 27756    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.56 | 188  | 67397    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12               | 21.73 | 240  | 62439    | 5.00 | ng    | -0.02    |
| 31) Perylene-d12               | 24.13 | 264  | 63775    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.70  | 112  | 727      | 0.33 | ng    | 0.00     |
| 5) Phenol-d6                   | 7.36  | 99   | 1032m    | 0.33 | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.34  | 82   | 1137m    | 0.33 | ng    | -0.02    |
| 13) 2,4,6-Tribromophenol       | 16.33 | 330  | 235      | 0.45 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 13.47 | 172  | 3093     | 0.36 | ng    | 0.00     |
| 26) Terphenyl-d14              | 20.19 | 244  | 3618     | 0.34 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.44  | 88   | 496      | 0.37 | ng    | 97       |
| 3) n-Nitrosodimethylamine      | 3.81  | 42   | 502      | 0.42 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93   | 833      | 0.33 | ng    | 99       |
| 9) Naphthalene                 | 11.03 | 128  | 3978     | 0.37 | ng    | 99       |
| 10) Hexachlorobutadiene        | 11.32 | 225  | 586      | 0.38 | ng    | 97       |
| 11) 2-Methylnaphthalene        | 12.66 | 142  | 2468     | 0.37 | ng    | 97       |
| 15) Acenaphthylene             | 14.54 | 152  | 17257    | 0.36 | ng    | 99       |
| 16) Acenaphthene               | 14.90 | 154  | 2855     | 0.37 | ng    | 98       |
| 17) Fluorene                   | 15.88 | 166  | 3382     | 0.36 | ng    | 99       |
| 19) Hexachlorobenzene          | 16.89 | 284  | 1016     | 0.38 | ng    | # 100    |
| 20) Pentachlorophenol          | 17.26 | 266  | 169      | 0.36 | ng    | 92       |
| 21) Phenanthrene               | 17.61 | 178  | 6301     | 0.36 | ng    | 100      |
| 22) Anthracene                 | 17.70 | 178  | 5323     | 0.34 | ng    | 99       |
| 23) Fluoranthene               | 19.63 | 202  | 24122    | 0.35 | ng    | 99       |
| 25) Pyrene                     | 19.99 | 202  | 25567    | 0.35 | ng    | 100      |
| 27) Benzo(a)anthracene         | 21.73 | 228  | 28458    | 0.38 | ng    | 99       |
| 28) Chrysene                   | 21.77 | 228  | 23904m   | 0.35 | ng    |          |
| 29) Bis(2-ethylhexyl)phthalate | 21.64 | 149  | 2394     | 0.42 | ng    | # 100    |
| 30) Indeno(1,2,3-cd)pyrene     | 26.63 | 276  | 24165    | 0.32 | ng    | 100      |
| 32) Benzo(b)fluoranthene       | 23.39 | 252  | 5670     | 0.34 | ng    | 100      |
| 33) Benzo(k)fluoranthene       | 23.44 | 252  | 6343     | 0.38 | ng    | 99       |
| 34) Benzo(a)pyrene             | 24.02 | 252  | 5371     | 0.34 | ng    | 98       |
| 35) Dibenzo(a,h)anthracene     | 26.67 | 278  | 4866     | 0.33 | ng    | 99       |
| 36) Benzo(g,h,i)perylene       | 27.42 | 276  | 22045    | 0.35 | ng    | 99       |

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

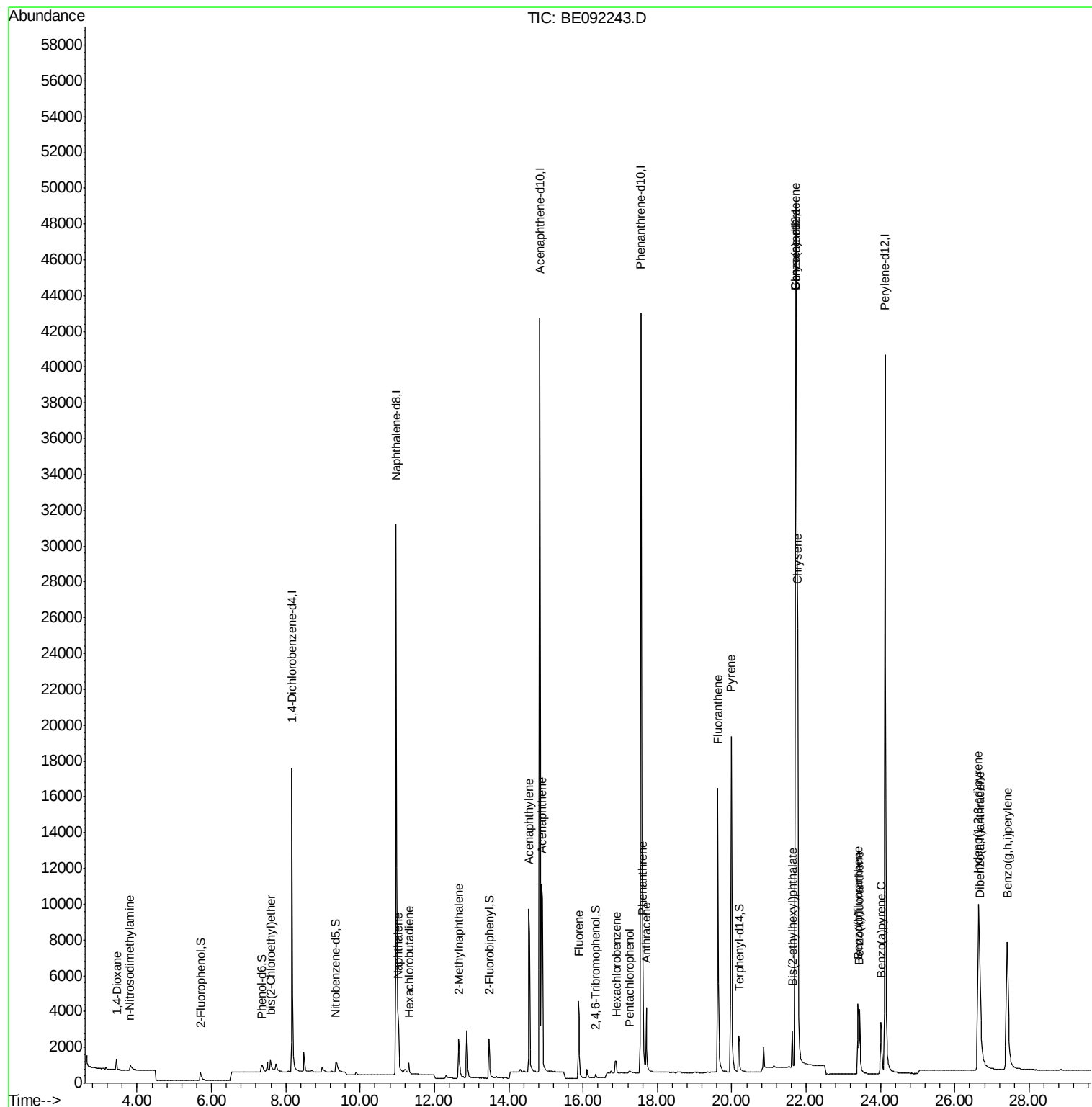
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080916\  
Data File : BE092243.D  
Acq On : 10 Aug 2016 00:16  
Operator : UM/SJ  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

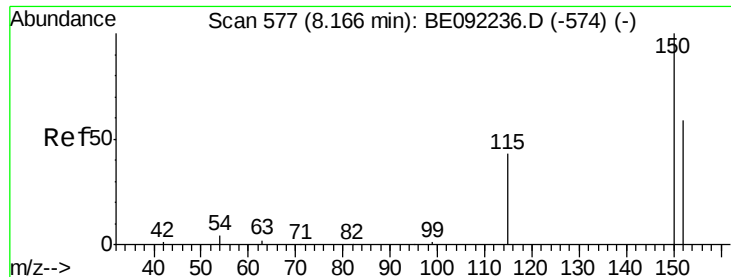
Instrument :  
BNA\_E  
ClientSampled :  
ICVBE080916

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Quant Time: Aug 10 11:32:18 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 10 11:12:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA\_E

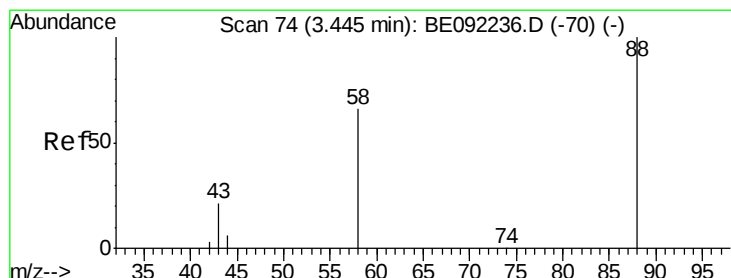
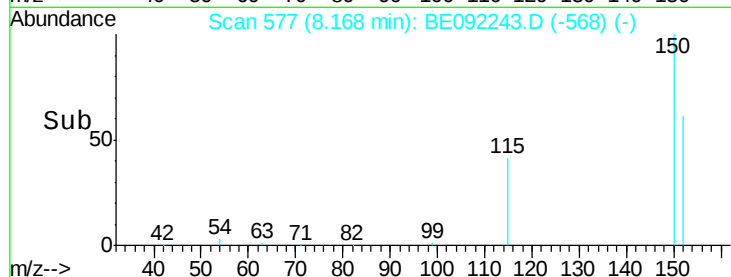
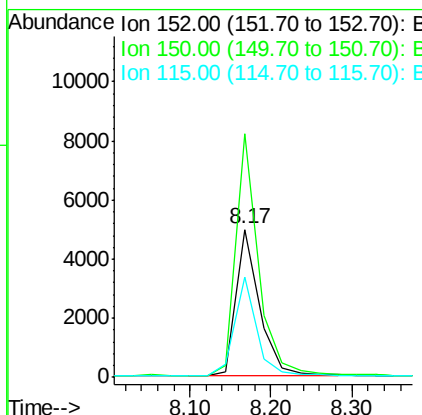
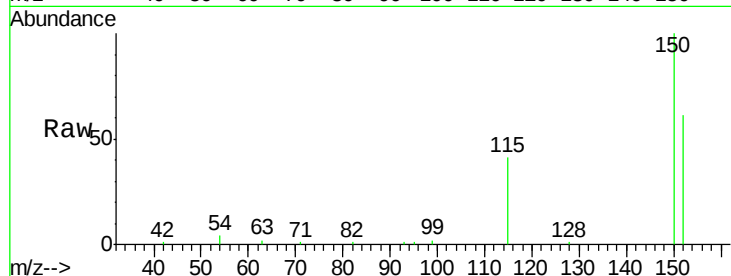
ClientSampleId :

ICVBE080916

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 9967  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 164.6 | 135.6 | 203.4 |
| 115       | 67.9  | 59.4  | 89.0  |

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#2

1,4-Dioxane

Concen: 0.37 ng

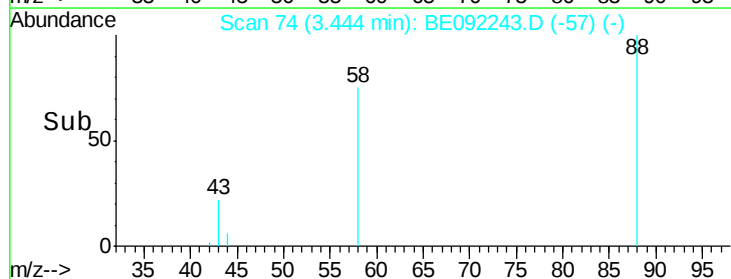
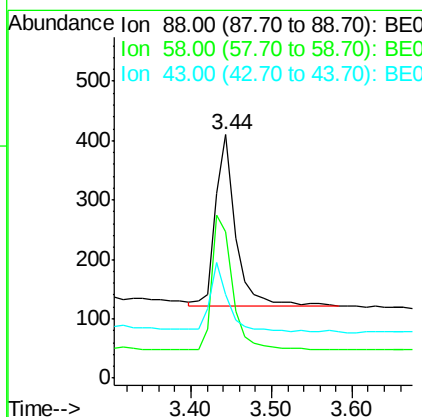
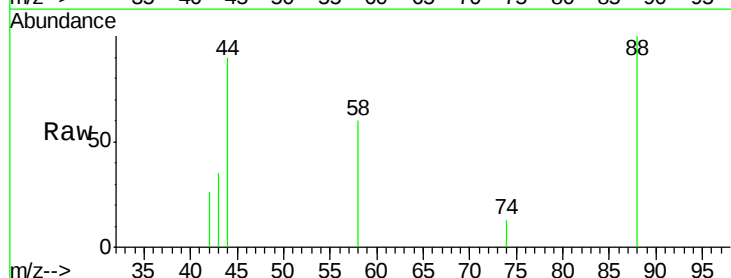
RT: 3.44 min Scan# 74

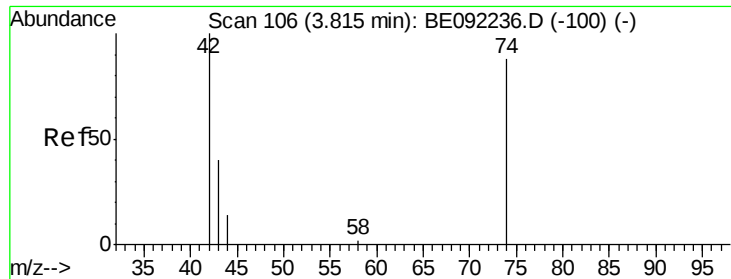
Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 88    | Resp: | 496  |
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 58        | 80.8  | 64.4  | 96.6 |
| 43        | 36.1  | 33.4  | 50.2 |





#3

n-Nitrosodimethylamine

Concen: 0.42 ng

RT: 3.81 min Scan# 106

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA\_E

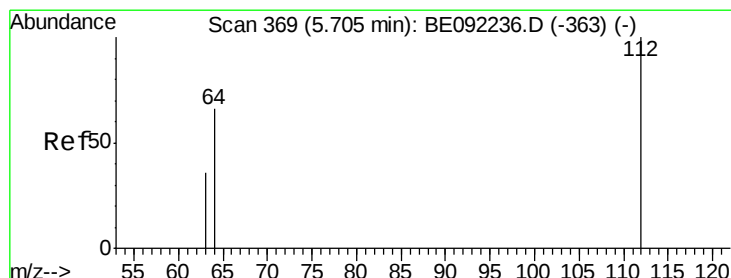
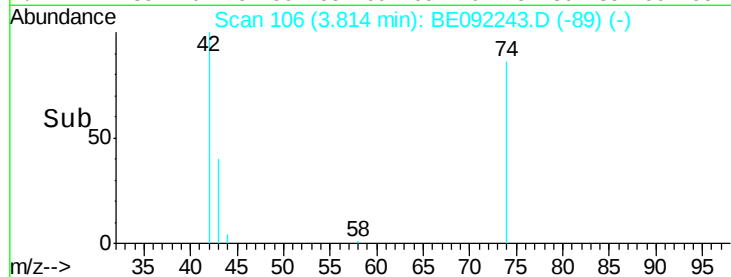
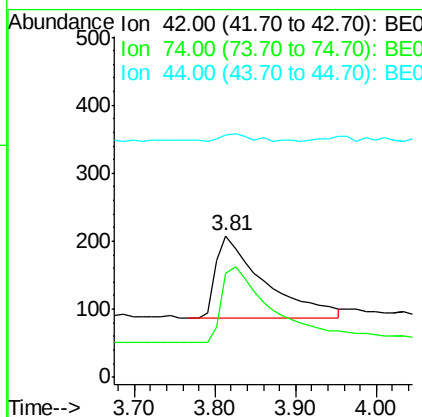
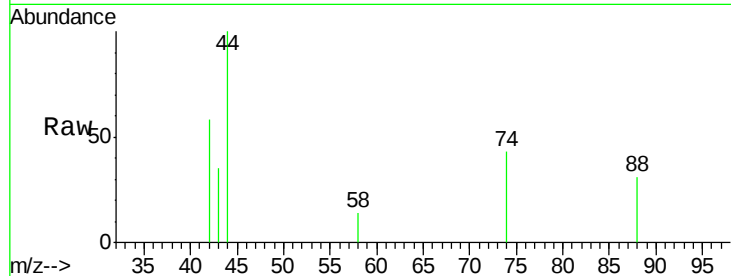
ClientSampleId :

ICVBE080916

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 502   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 97.8  | 77.2  | 115.8 |
| 44       | 5.6   | 5.0   | 7.4   |

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#4

2-Fluorophenol

Concen: 0.33 ng

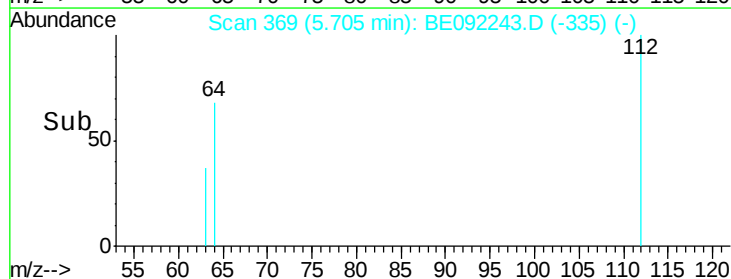
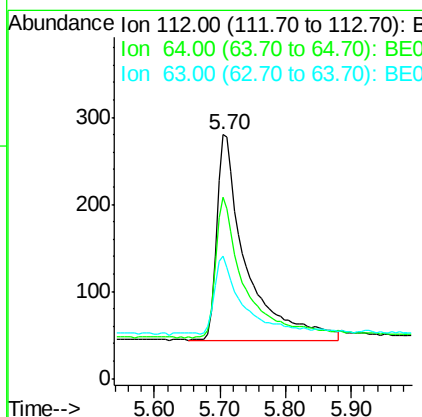
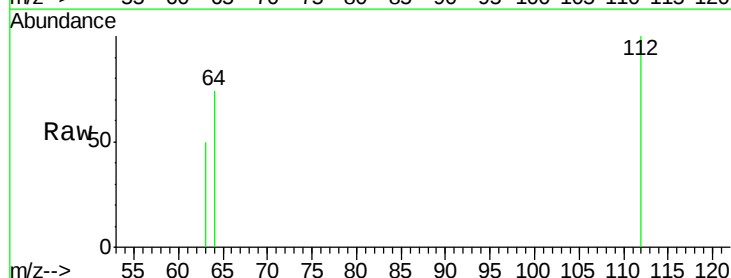
RT: 5.70 min Scan# 369

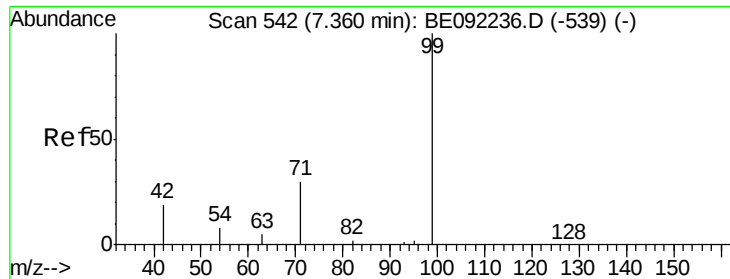
Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 727   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 68.5  | 53.2  | 79.8  |
| 63       | 36.2  | 27.4  | 41.2  |





#5

Phenol-d6

Concen: 0.33 ng m

RT: 7.36 min Scan# 542

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA\_E

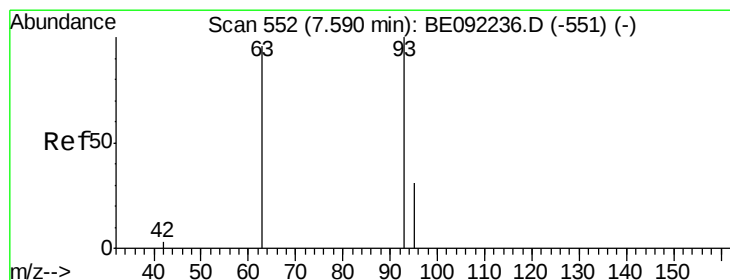
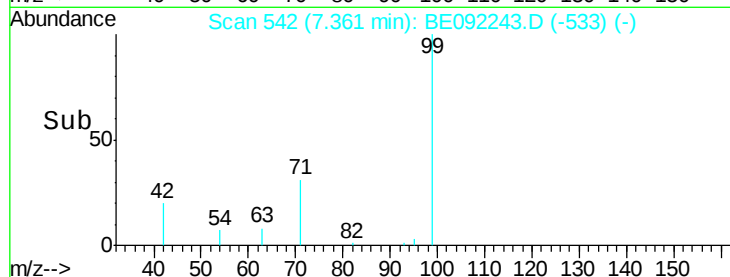
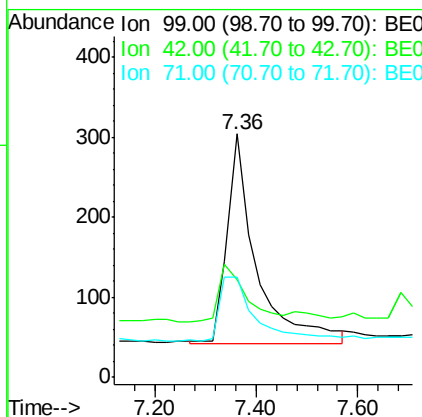
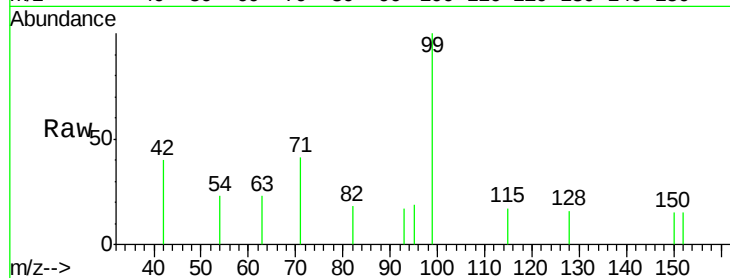
ClientSampleId :

ICVBE080916

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 99      | 100   | 1032 |       |       |
| 42      | 0.0   | 0.0  | 0.0   | 0.0   |
| 71      | 0.0   | 29.8 | 44.8  |       |

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#6

bis(2-Chloroethyl)ether

Concen: 0.33 ng

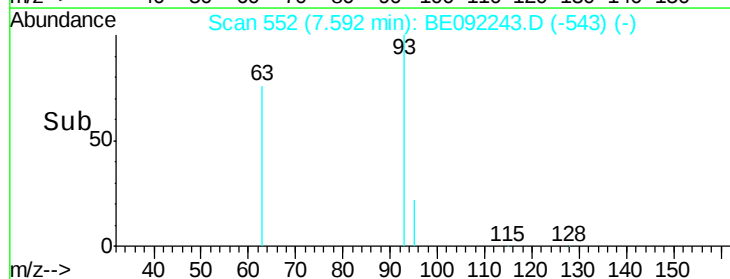
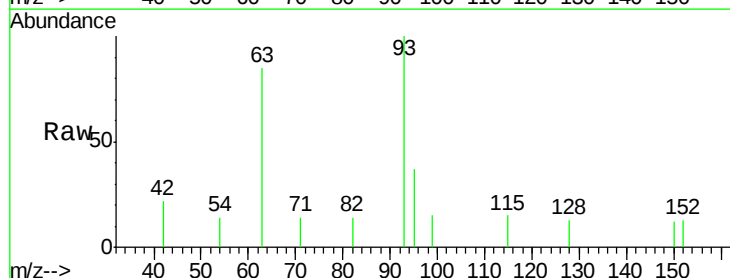
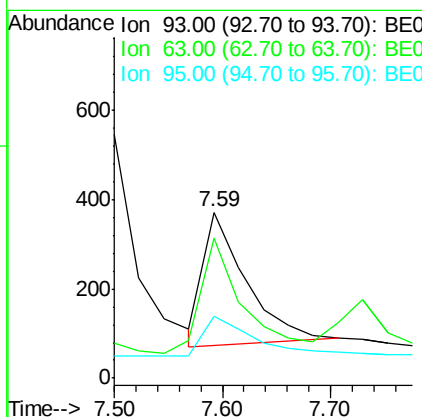
RT: 7.59 min Scan# 552

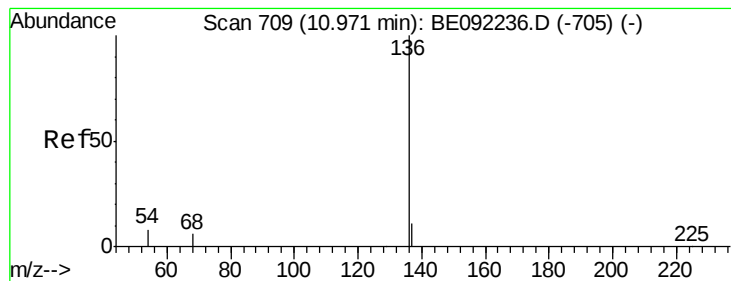
Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   | 833  |       |       |
| 63      | 85.5  | 68.5 | 102.7 |       |
| 95      | 35.7  | 27.2 | 40.8  |       |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA\_E

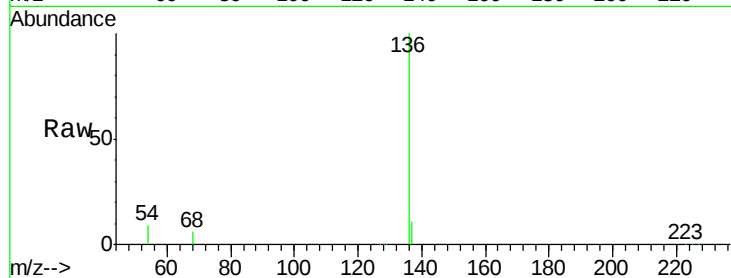
ClientSampleId :

ICVBE080916

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 48163 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.7  | 8.8   | 13.2  |
| 54        | 8.5   | 6.2   | 9.4   |
| 68        | 6.1   | 4.6   | 6.8   |

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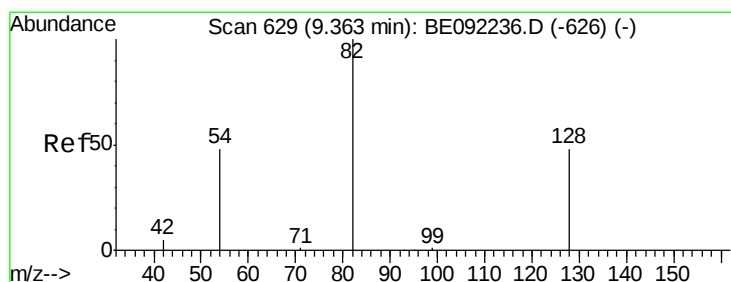
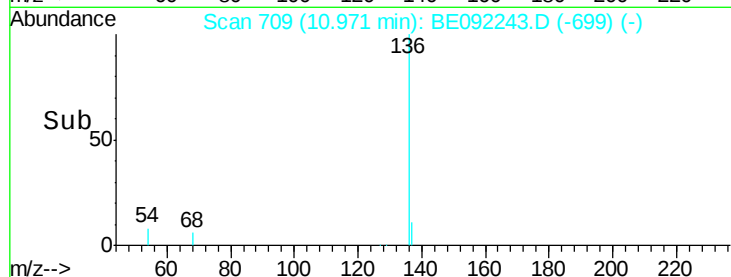
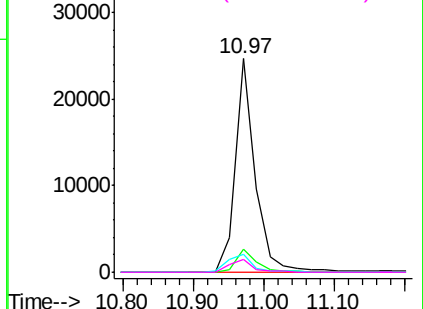


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.33 ng m

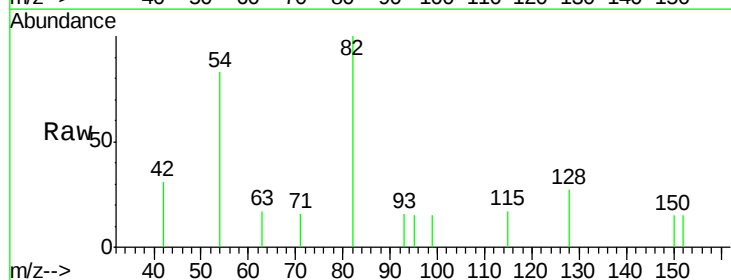
RT: 9.34 min Scan# 628

Delta R.T. -0.02 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

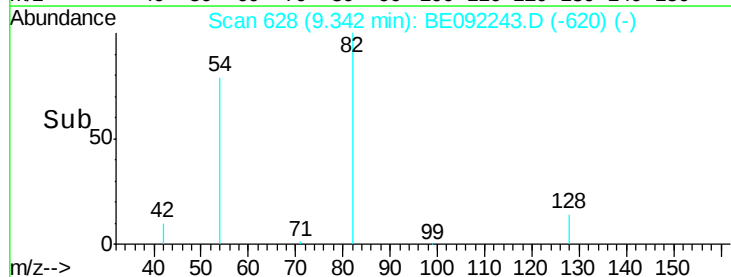
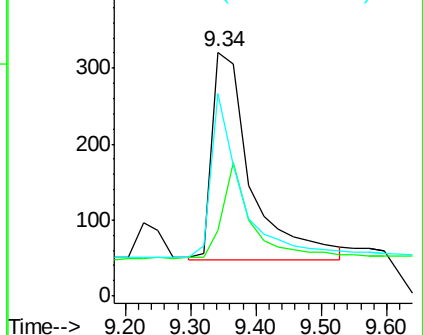
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 1137  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 27.1  | 45.0  | 67.4# |
| 54        | 82.9  | 45.4  | 68.2# |

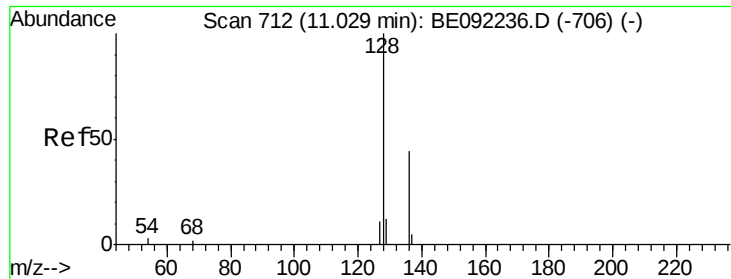


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.37 ng

RT: 11.03 min Scan# 712

Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA\_E

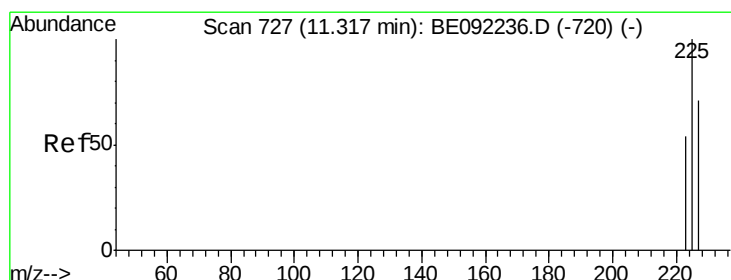
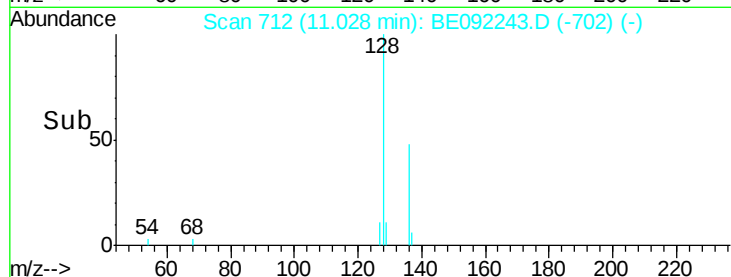
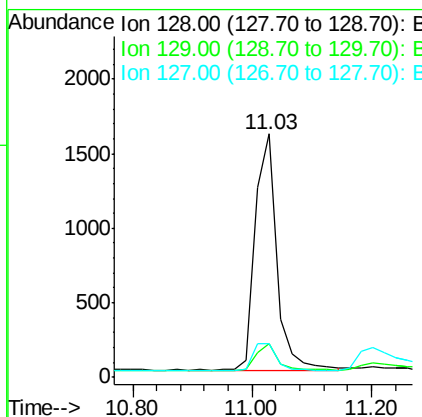
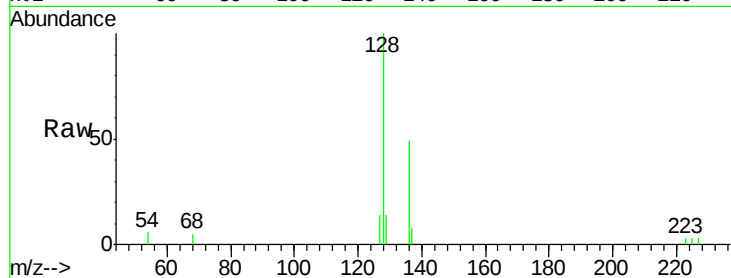
ClientSampleId :

ICVBE080916

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3978 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 14.0  | 11.5  | 17.3 |
| 127       | 13.8  | 11.0  | 16.6 |

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#10

Hexachlorobutadiene

Concen: 0.38 ng

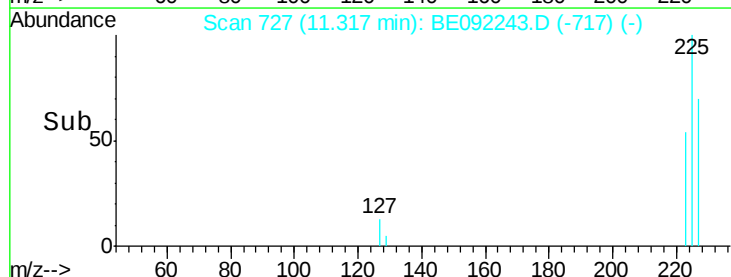
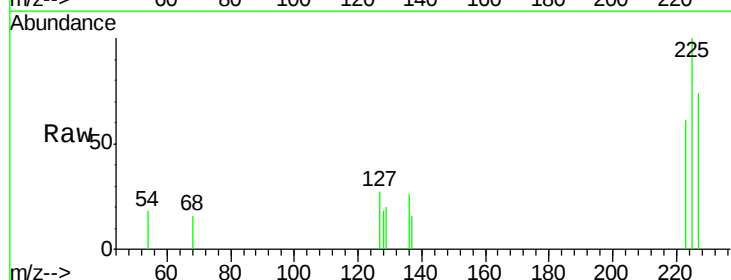
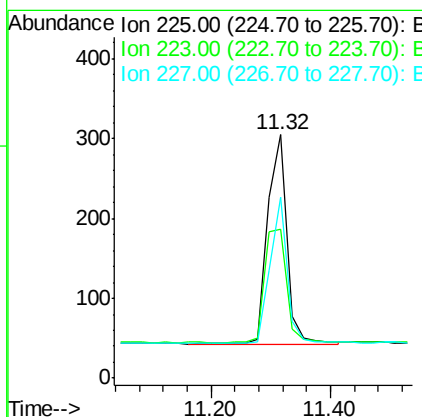
RT: 11.32 min Scan# 727

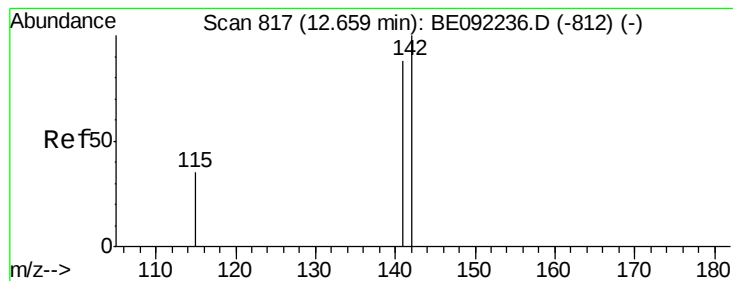
Delta R.T. -0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 586  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 62.8  | 52.2  | 78.4 |
| 227       | 61.4  | 51.0  | 76.6 |





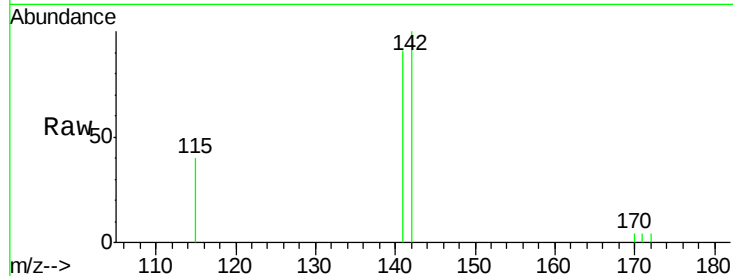
#11  
2-Methylnaphthalene  
Concen: 0.37 ng  
RT: 12.66 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

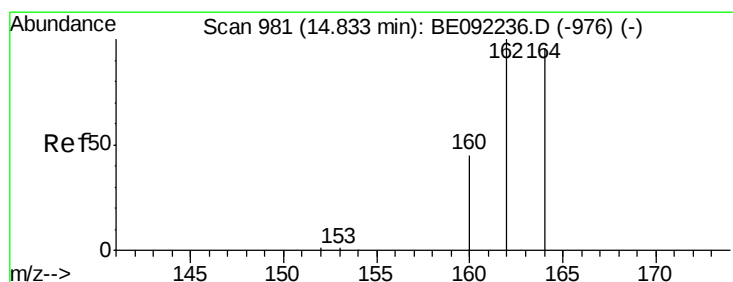
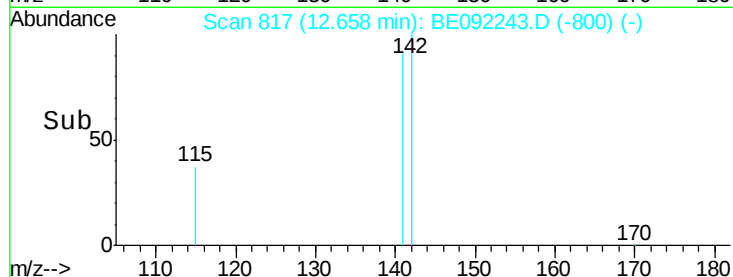
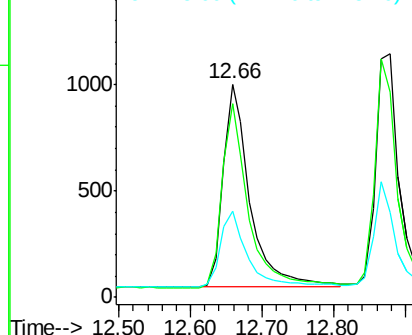
Tgt Ion:142 Resp: 2468  
Ion Ratio Lower Upper  
142 100  
141 91.0 70.6 105.8  
115 40.3 31.0 46.4

Manual Integrations  
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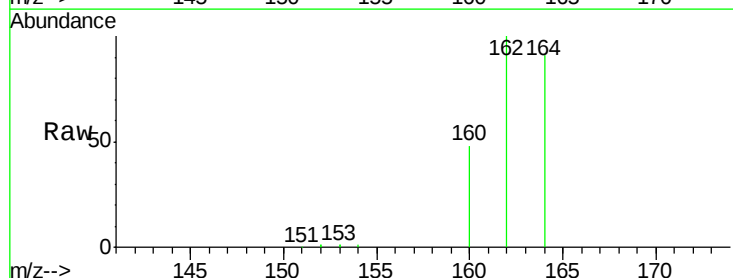


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

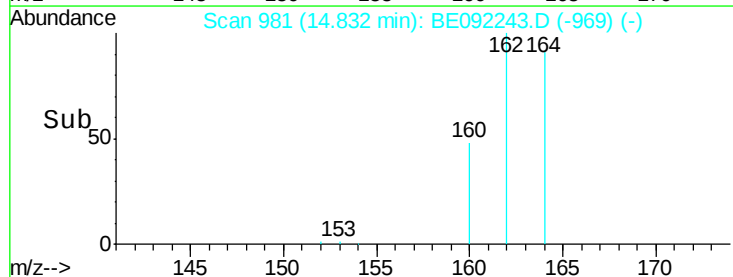
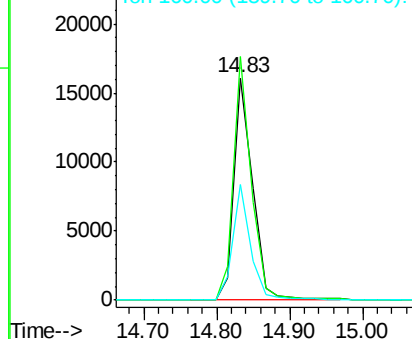


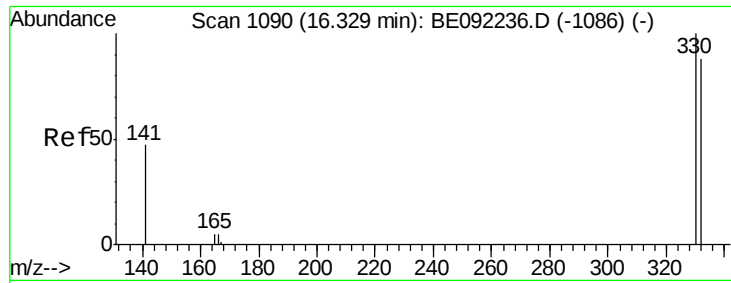
#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.83 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Tgt Ion:164 Resp: 27756  
Ion Ratio Lower Upper  
164 100  
162 109.6 83.3 124.9  
160 52.3 38.0 57.0



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





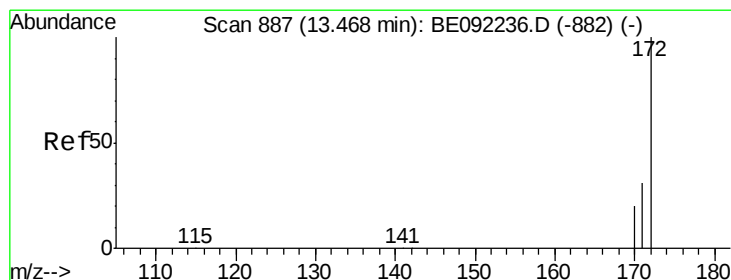
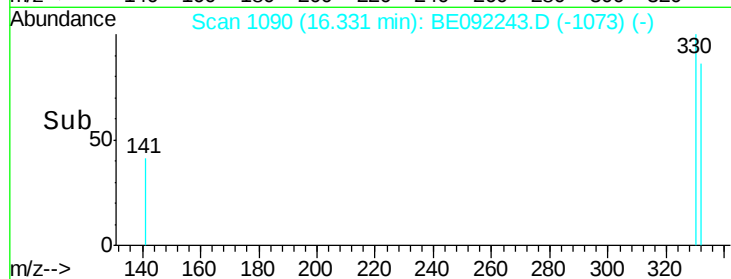
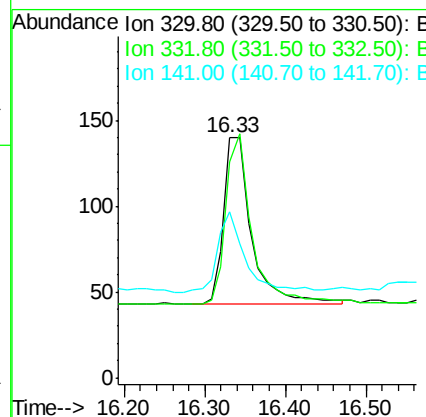
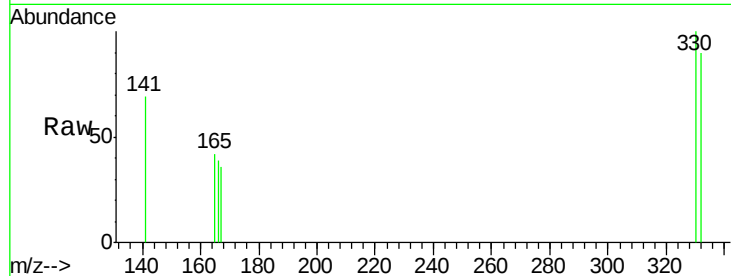
#13  
 2,4,6-Tribromophenol  
 Concen: 0.45 ng  
 RT: 16.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE080916

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   | 235  |       |       |
| 332     | 95.3  | 75.4 | 113.0 |       |
| 141     | 46.8  | 37.7 | 56.5  |       |

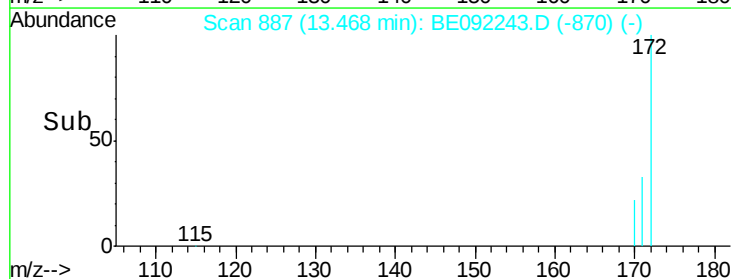
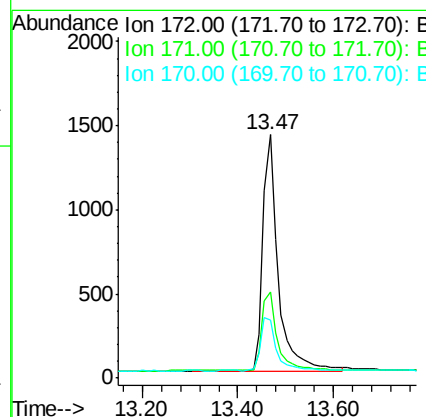
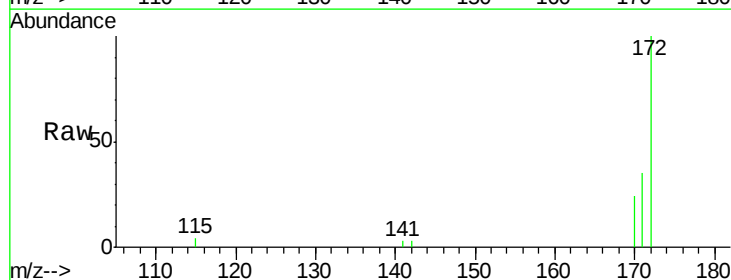
Manual Integrations  
 APPROVED

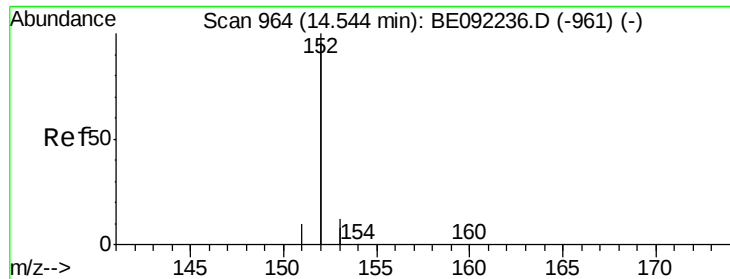
umangi  
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#14  
 2-Fluorobiphenyl  
 Concen: 0.36 ng  
 RT: 13.47 min Scan# 887  
 Delta R.T. -0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   | 3093 |       |       |
| 171     | 35.2  | 26.8 | 40.2  |       |
| 170     | 24.0  | 17.8 | 26.6  |       |





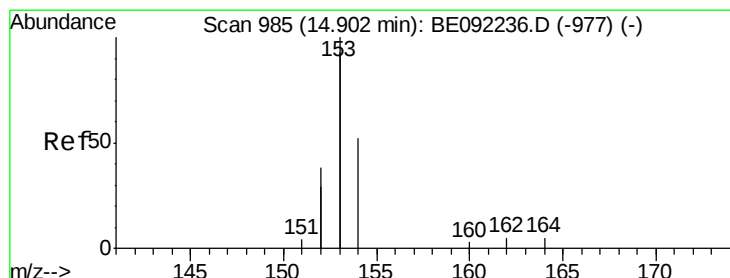
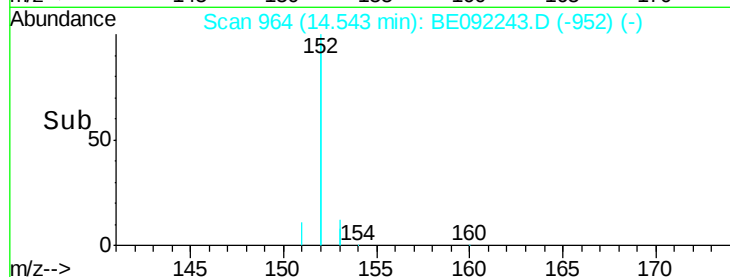
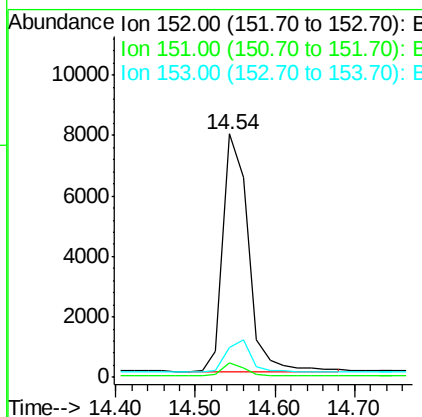
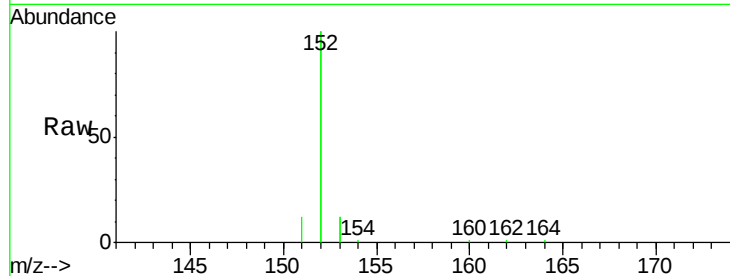
#15  
Acenaphthylene  
Concen: 0.36 ng  
RT: 14.54 min Scan# 964  
Delta R.T. -0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 4.9   | 3.8   | 5.8   |
| 153     | 13.1  | 10.2  | 15.2  |

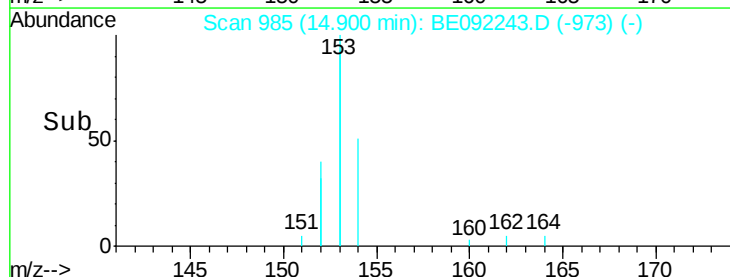
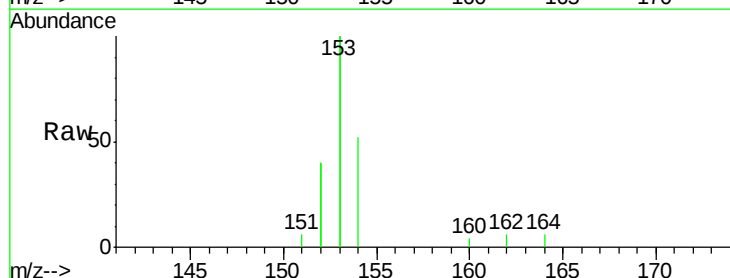
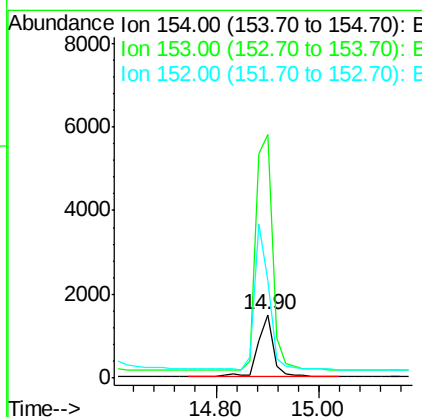
Manual Integrations  
APPROVED

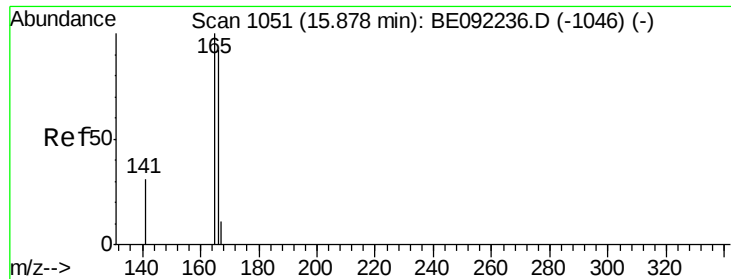
umangi  
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#16  
Acenaphthene  
Concen: 0.37 ng  
RT: 14.90 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 436.8 | 355.0 | 532.4 |
| 152     | 226.0 | 179.7 | 269.5 |





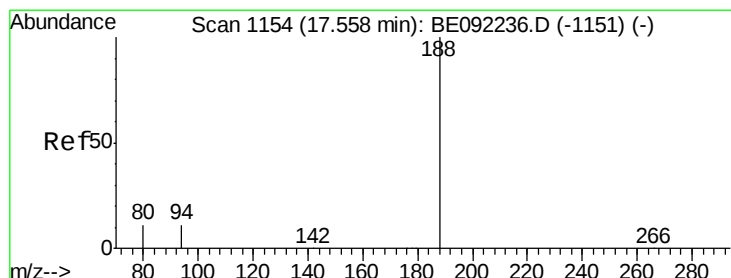
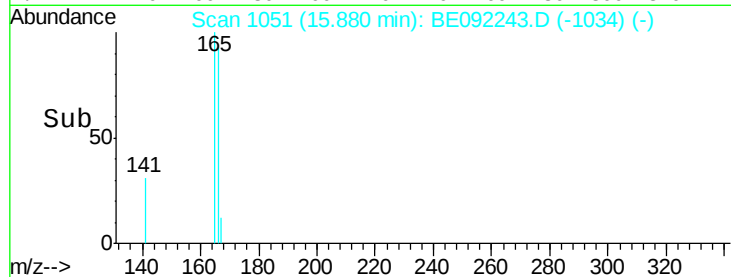
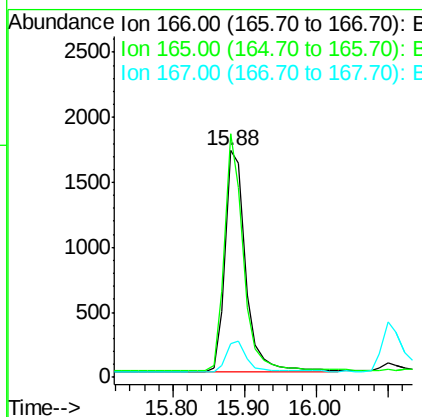
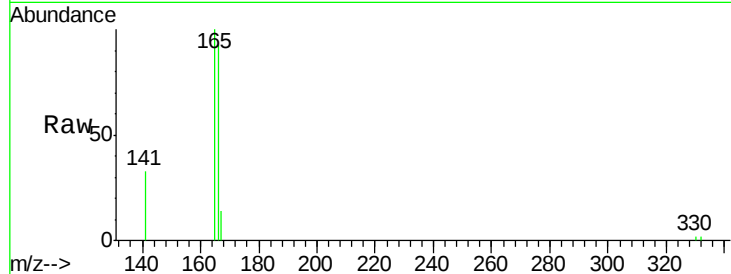
#17  
Fluorene  
Concen: 0.36 ng  
RT: 15.88 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.1  | 80.1  | 120.1 |
| 167     | 13.5  | 10.6  | 16.0  |

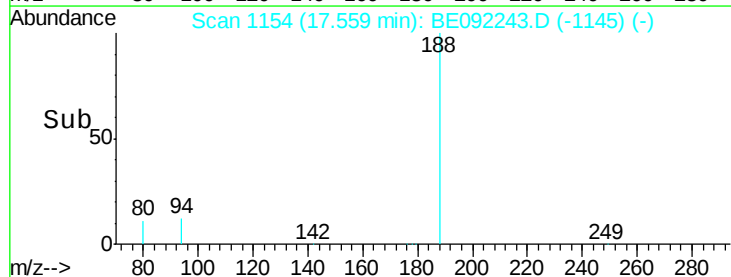
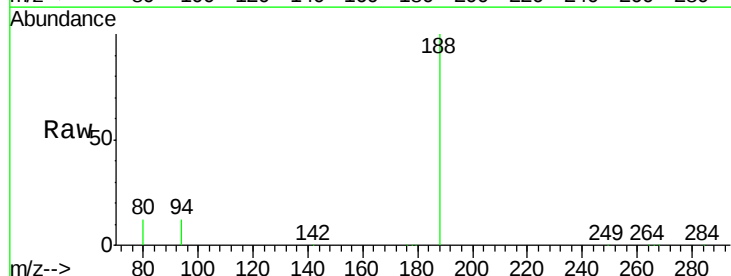
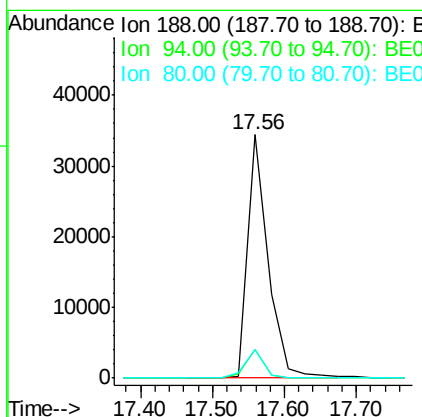
Manual Integrations  
APPROVED

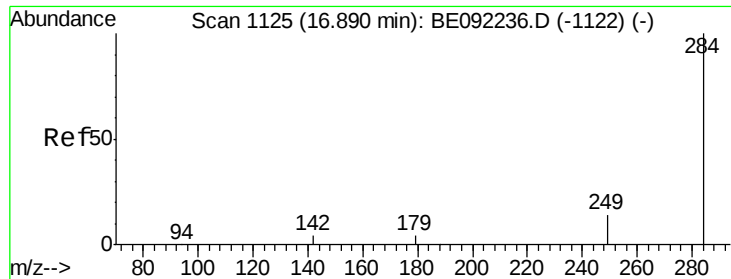
umangi  
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#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.56 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.7  | 9.2   | 13.8  |
| 80      | 11.6  | 9.1   | 13.7  |





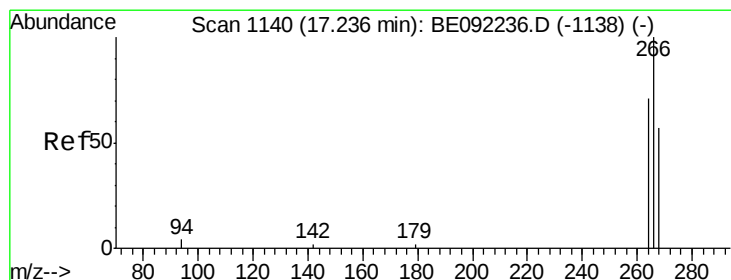
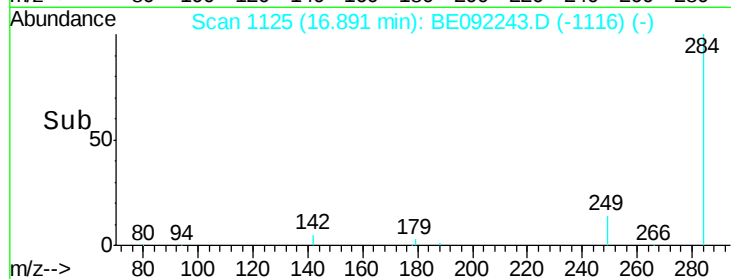
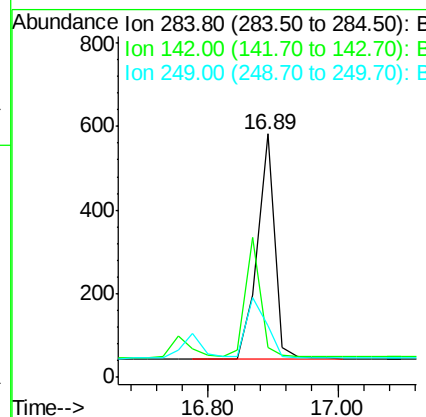
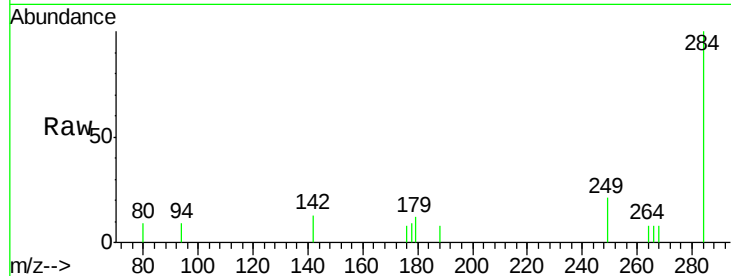
#19  
Hexachlorobenzene  
Concen: 0.38 ng  
RT: 16.89 min Scan# 1125  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 284     | 100   |            |            |
| 142     | 0.0   | 0.0        | 0.0        |
| 249     | 0.0   | 0.0        | 0.0        |

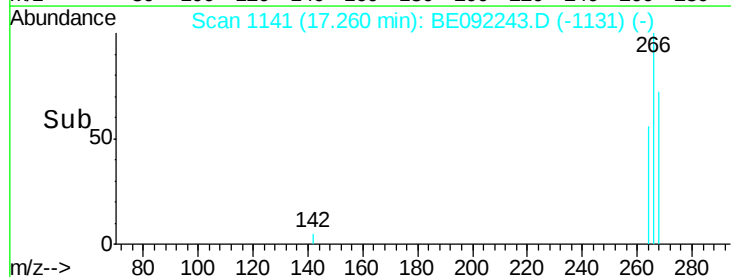
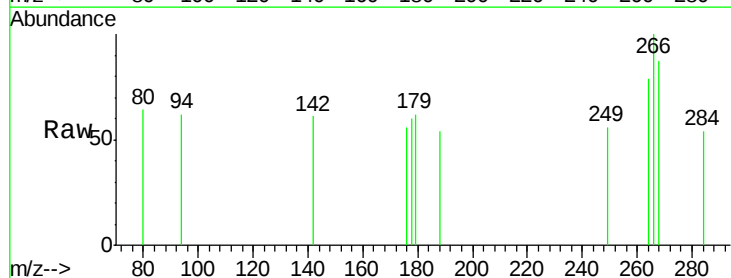
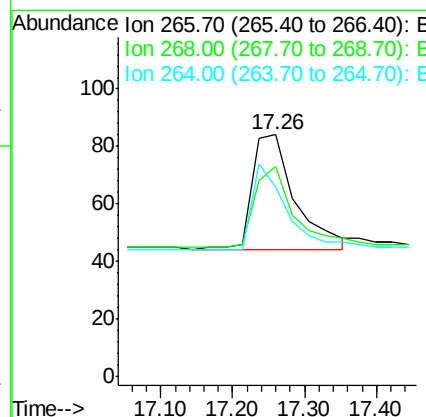
Manual Integrations  
APPROVED

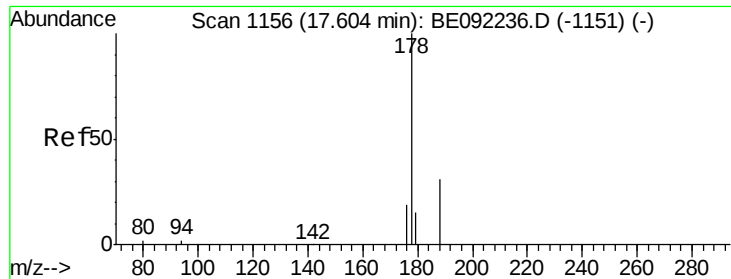
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#20  
Pentachlorophenol  
Concen: 0.36 ng  
RT: 17.26 min Scan# 1141  
Delta R.T. 0.02 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 86.9  | 62.3       | 93.5       |
| 264     | 78.6  | 67.4       | 101.0      |





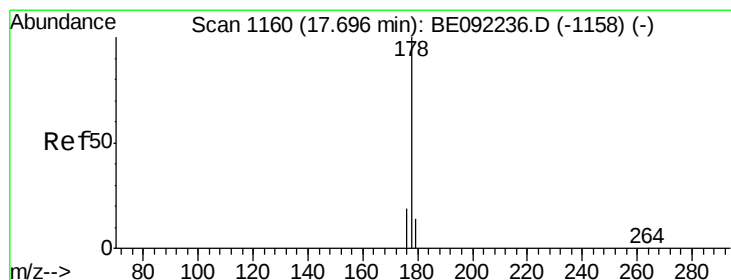
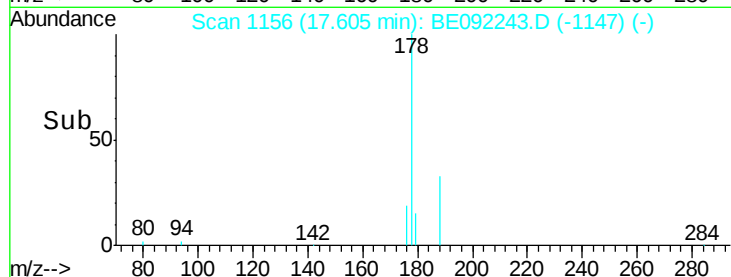
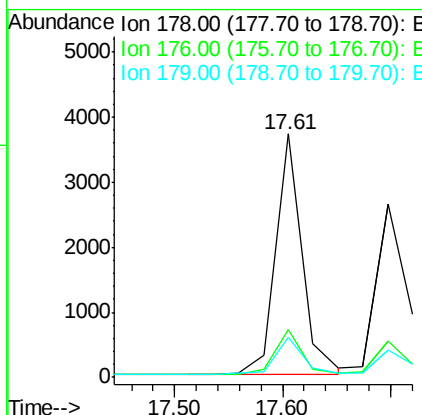
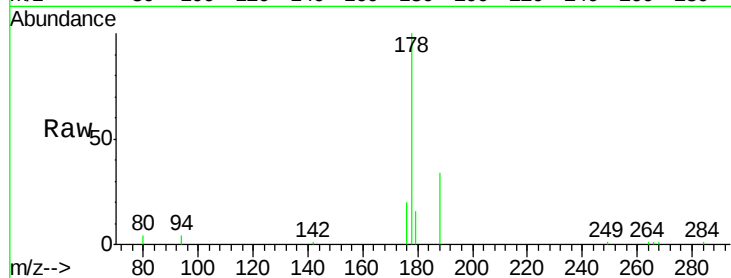
#21  
Phenanthrene  
Concen: 0.36 ng  
RT: 17.61 min Scan# 1156  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.1  | 22.7  |
| 179     | 16.1  | 12.9  | 19.3  |

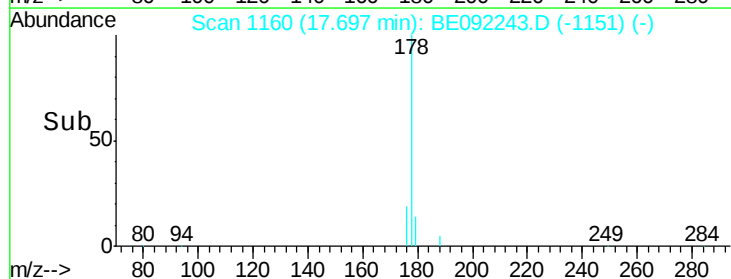
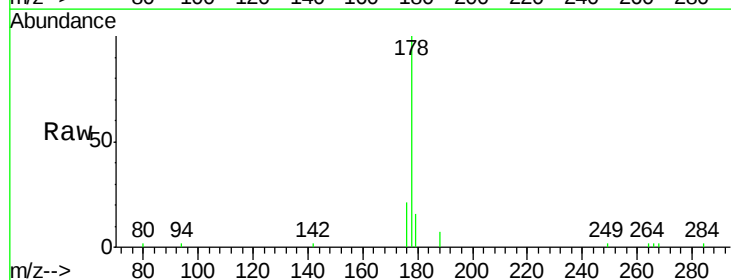
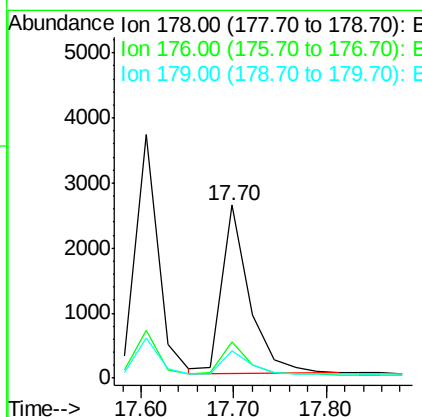
Manual Integrations  
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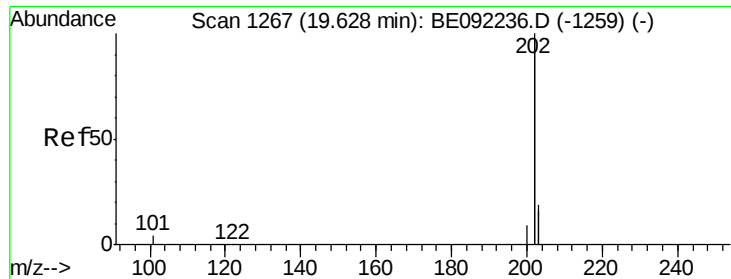
umangi  
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#22  
Anthracene  
Concen: 0.34 ng  
RT: 17.70 min Scan# 1160  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.0  | 22.4  |
| 179     | 14.8  | 12.0  | 18.0  |





#23

Fluoranthene

Concen: 0.35 ng

RT: 19.63 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

Instrument :

BNA\_E

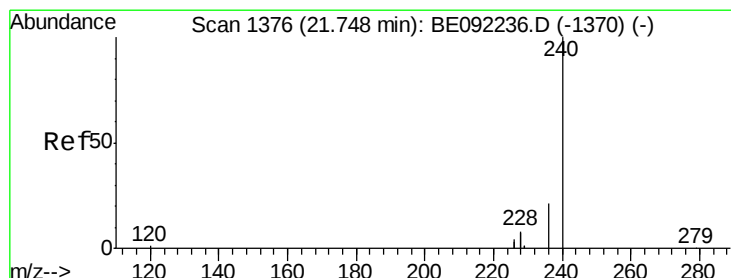
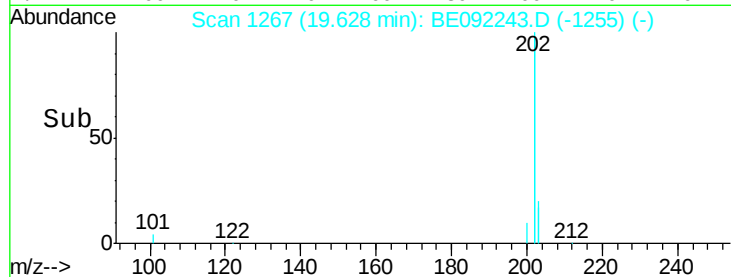
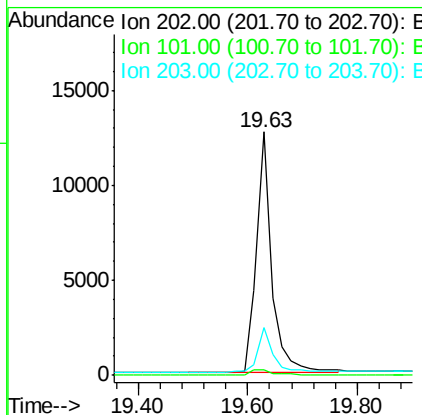
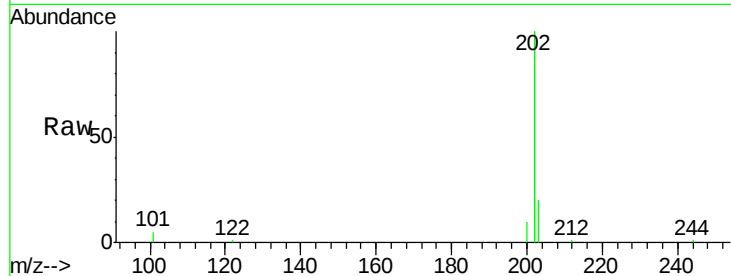
ClientSampleId :

ICVBE080916

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 24122 |       |       |
| 101     | 2.8   |       | 2.2   | 3.4   |
| 203     | 17.8  |       | 13.7  | 20.5  |

Manual Integrations  
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#24

Chrysene-d12

Concen: 5.00 ng

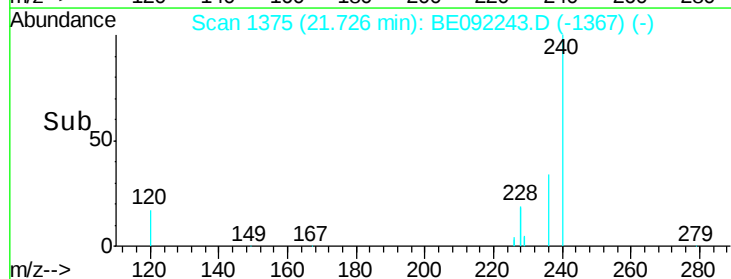
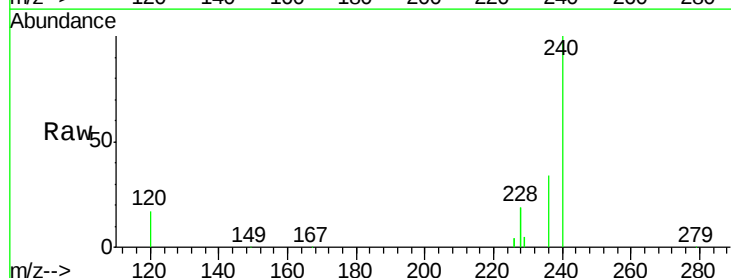
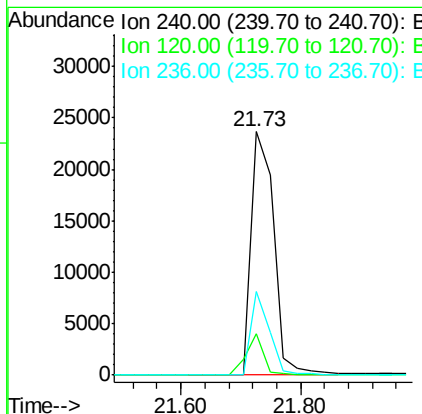
RT: 21.73 min Scan# 1375

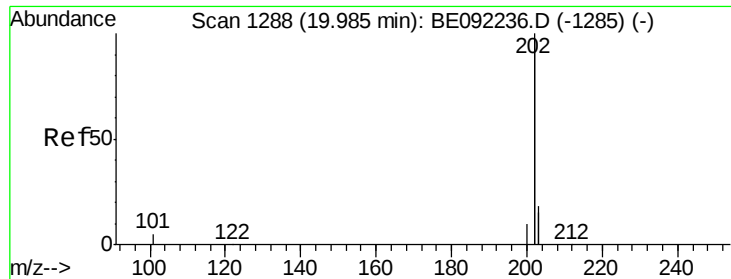
Delta R.T. -0.02 min

Lab File: BE092243.D

Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 62439 |       |       |
| 120     | 16.9  |       | 1.2   | 1.8#  |
| 236     | 34.5  |       | 17.1  | 25.7# |





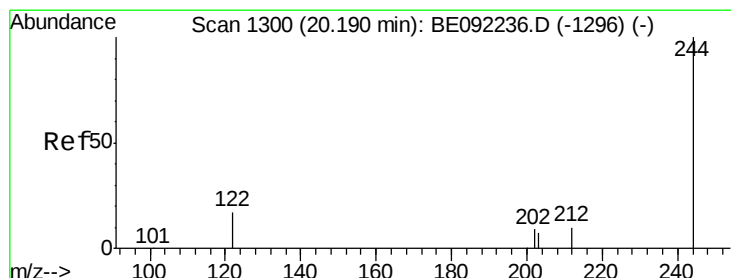
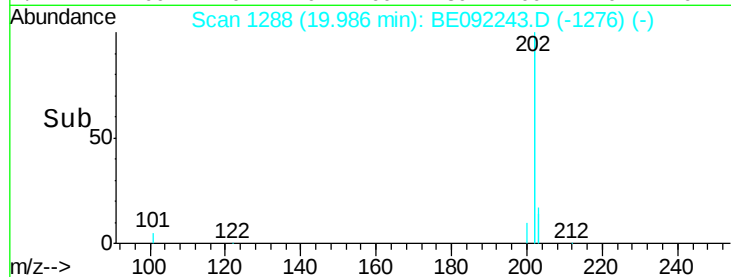
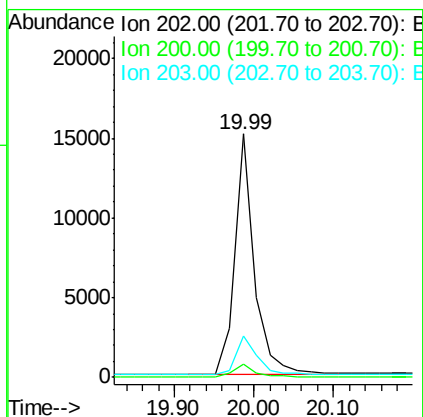
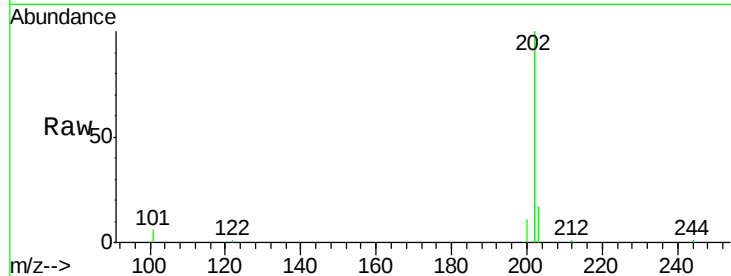
#25  
 Pyrene  
 Concen: 0.35 ng  
 RT: 19.99 min Scan# 1288  
 Delta R.T. 0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE080916

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 25567 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 5.3   | 4.2   | 6.4   |
| 203       | 17.3  | 14.0  | 21.0  |

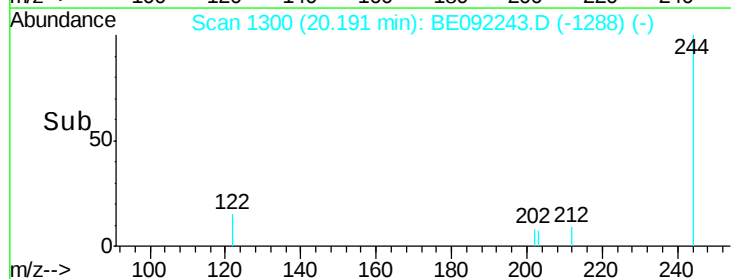
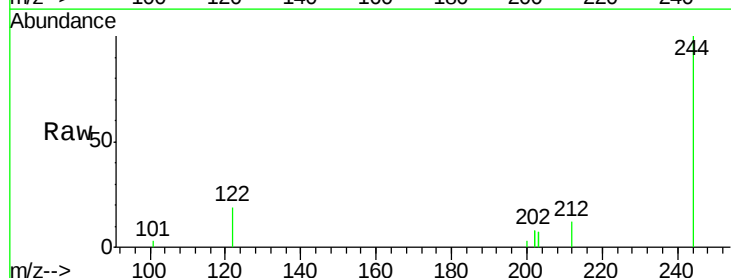
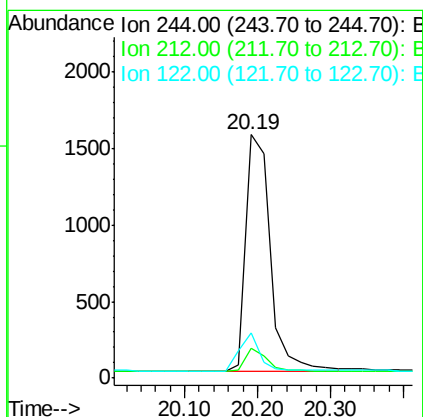
Manual Integrations  
 APPROVED

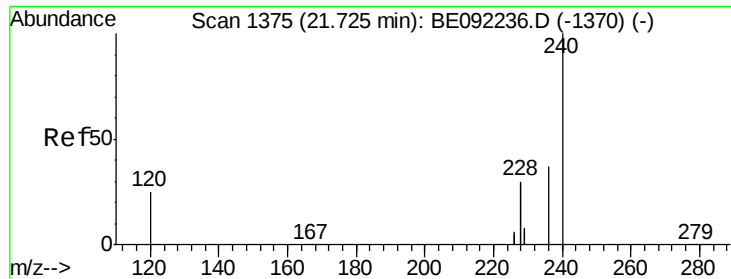
umangi  
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#26  
 Terphenyl-d14  
 Concen: 0.34 ng  
 RT: 20.19 min Scan# 1300  
 Delta R.T. 0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 3618 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 12.1  | 10.2  | 15.2 |
| 122       | 18.8  | 15.9  | 23.9 |





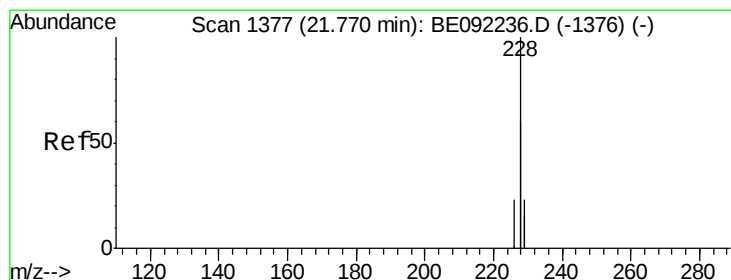
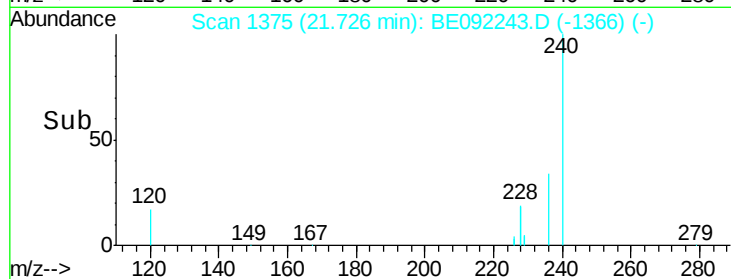
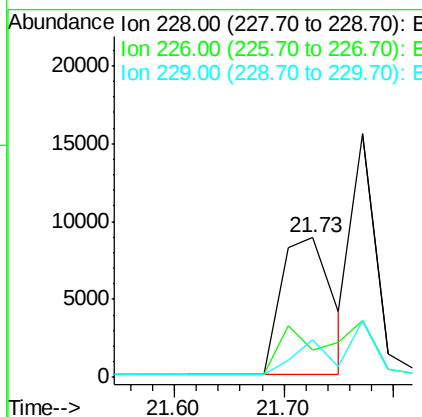
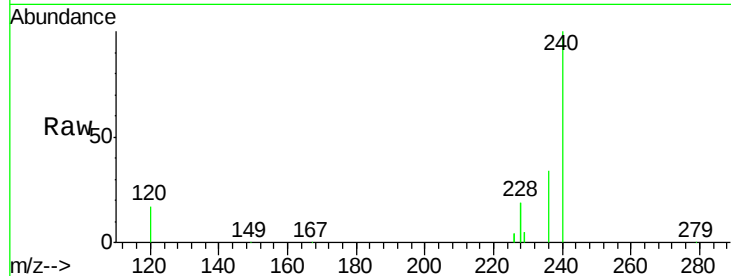
#27  
Benzo(a)anthracene  
Concen: 0.38 ng  
RT: 21.73 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 19.4  | 15.9  | 23.9  |
| 229     | 27.2  | 22.4  | 33.6  |

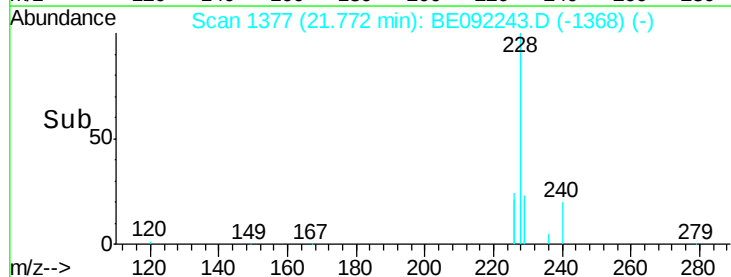
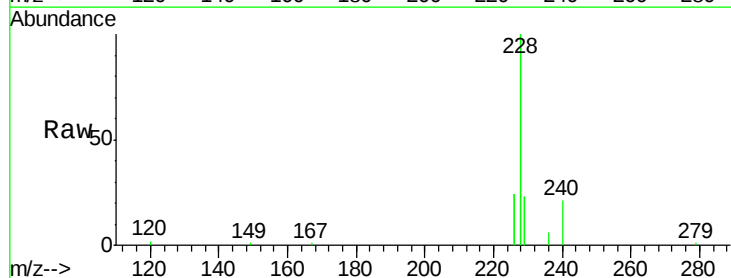
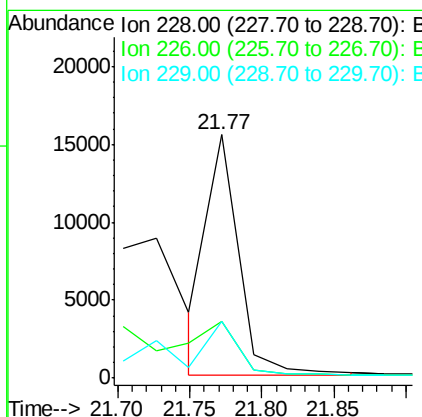
Manual Integrations  
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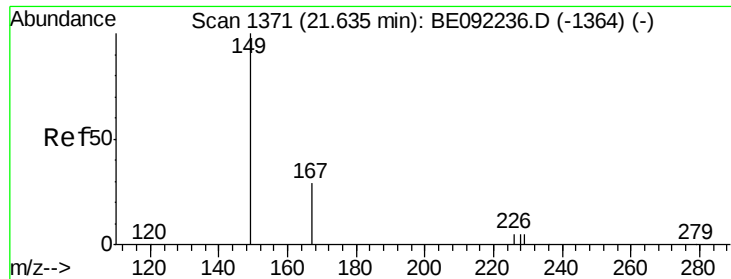
umangi  
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#28  
Chrysene  
Concen: 0.35 ng m  
RT: 21.77 min Scan# 1377  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 23.6  | 18.3  | 27.5  |
| 229     | 23.4  | 18.6  | 27.8  |





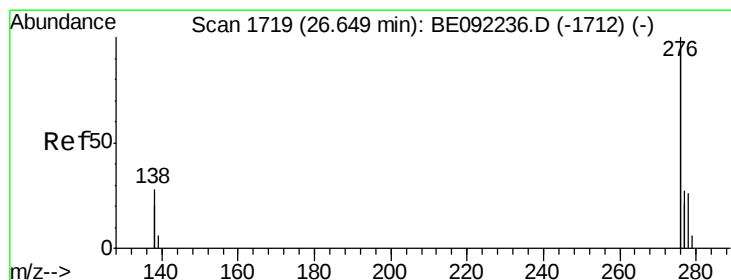
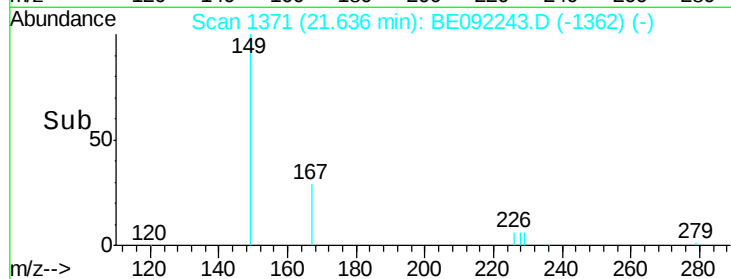
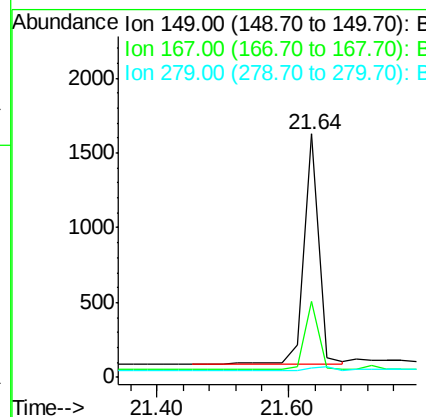
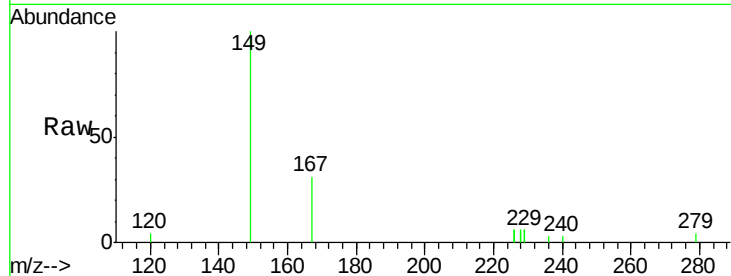
#29  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.42 ng  
 RT: 21.64 min Scan# 1371  
 Delta R.T. 0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.5  | 22.1  | 33.1  |
| 279     | 0.0   | 0.0   | 0.0   |

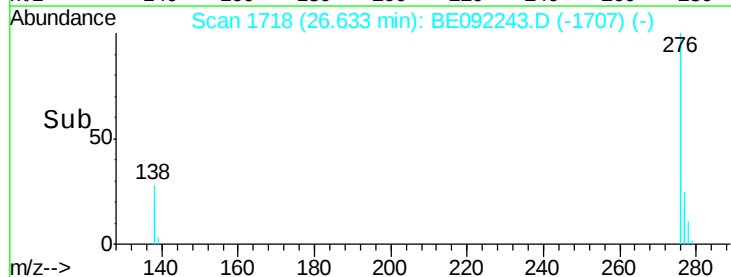
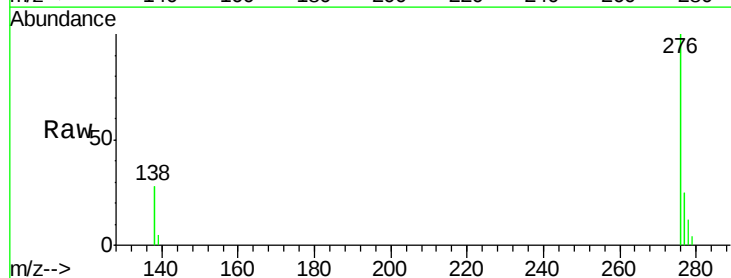
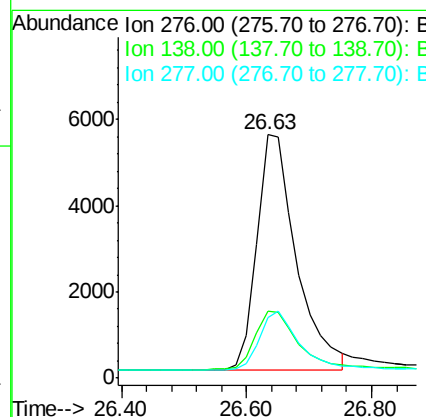
Manual Integrations  
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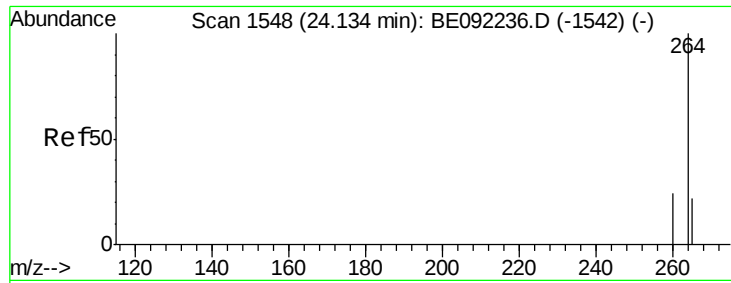
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#30  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.32 ng  
 RT: 26.63 min Scan# 1718  
 Delta R.T. -0.02 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 21.3  | 31.9  |
| 277     | 24.5  | 19.7  | 29.5  |





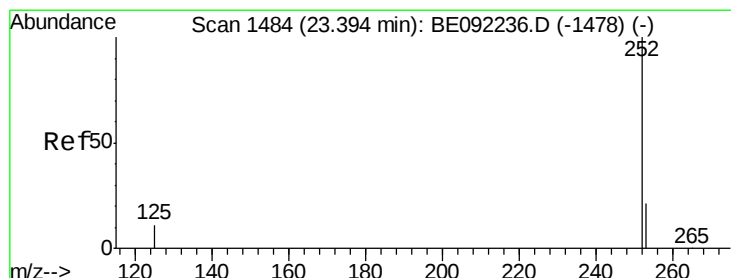
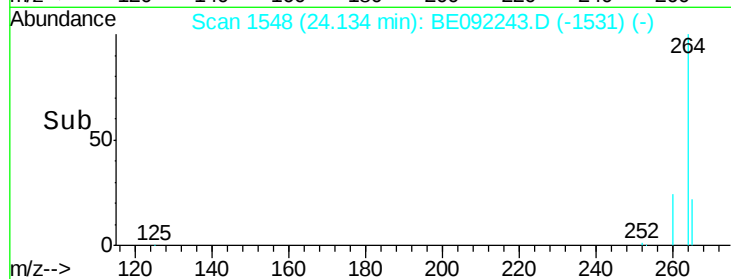
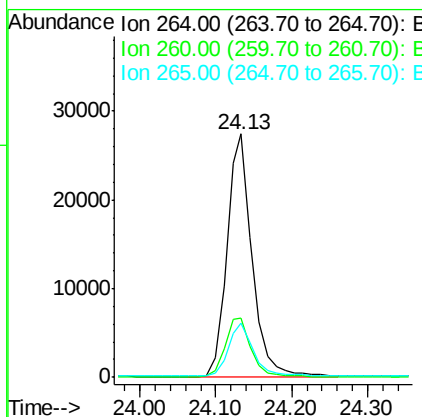
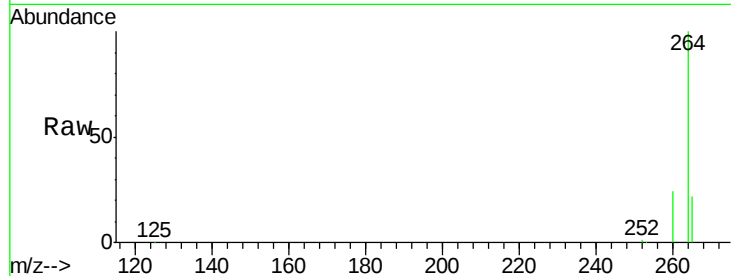
#31  
**Perylene-d12**  
 Concen: 5.00 ng  
 RT: 24.13 min Scan# 1548  
 Delta R.T. -0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.5  | 29.3  |
| 265     | 22.5  | 18.2  | 27.4  |

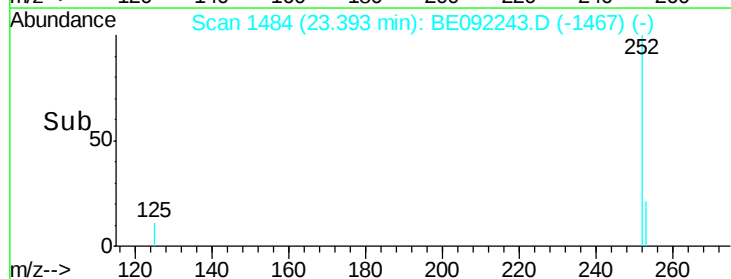
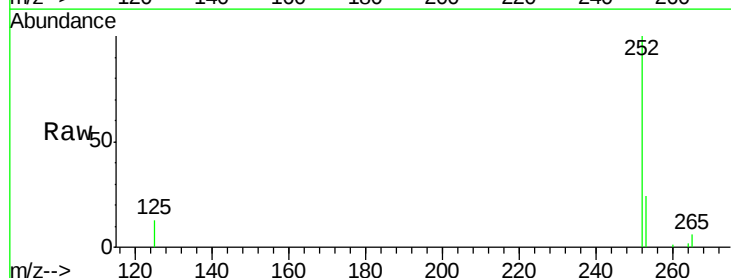
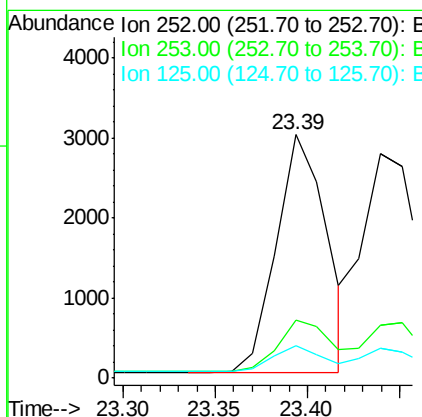
Manual Integrations  
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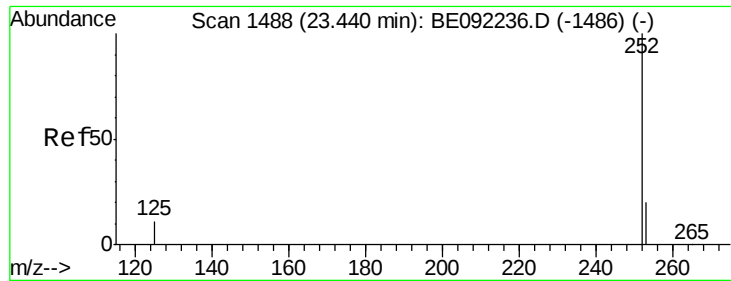
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#32  
**Benzo(b)fluoranthene**  
 Concen: 0.34 ng  
 RT: 23.39 min Scan# 1484  
 Delta R.T. -0.00 min  
 Lab File: BE092243.D  
 Acq: 10 Aug 2016 00:16

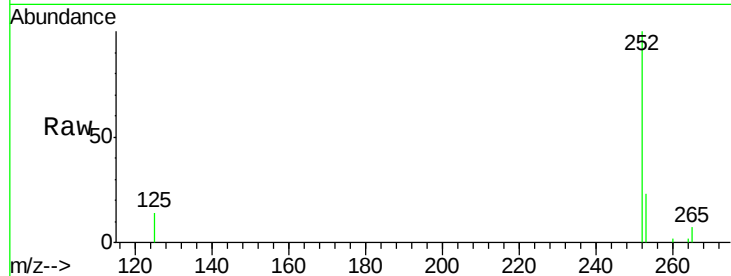
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 19.0  | 28.4  |
| 125     | 13.1  | 10.3  | 15.5  |





#33  
Benzo(k)fluoranthene  
Concen: 0.38 ng  
RT: 23.44 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

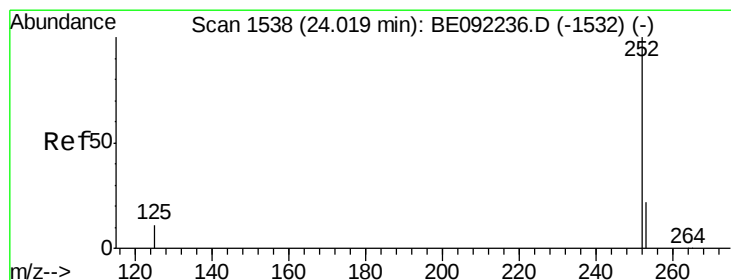
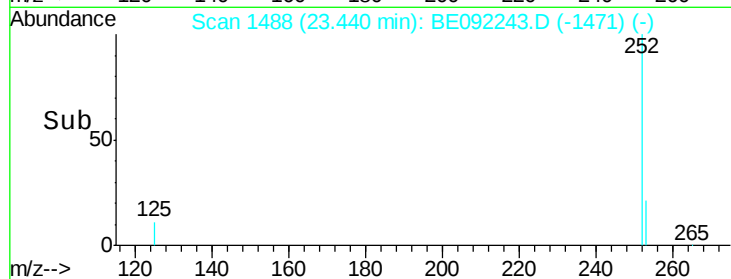
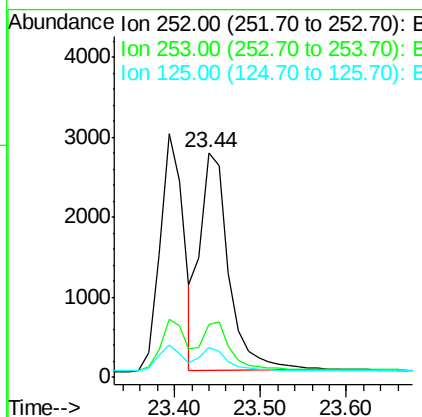
Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 19.0  | 28.6  |
| 125     | 13.5  | 10.6  | 15.8  |

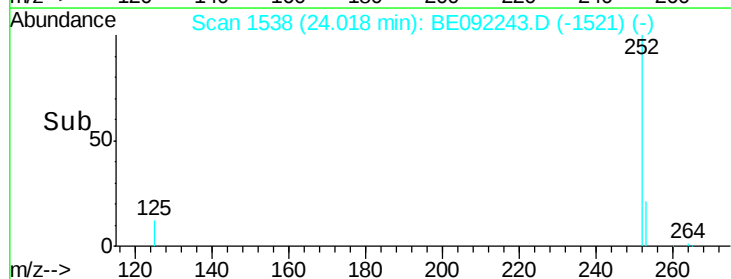
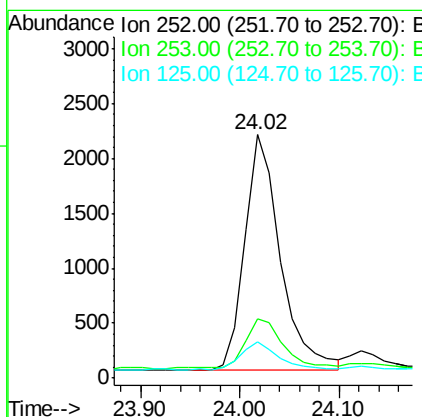
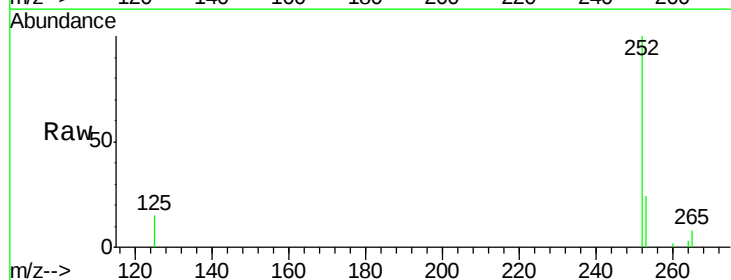
Manual Integrations  
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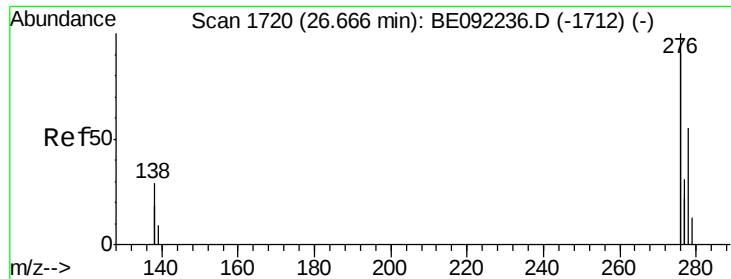
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#34  
Benzo(a)pyrene  
Concen: 0.34 ng  
RT: 24.02 min Scan# 1538  
Delta R.T. -0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 20.3  | 30.5  |
| 125     | 15.0  | 11.8  | 17.6  |





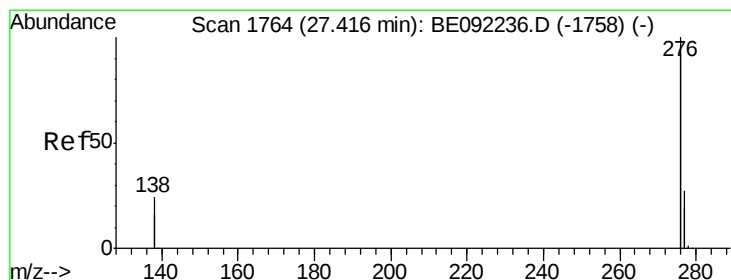
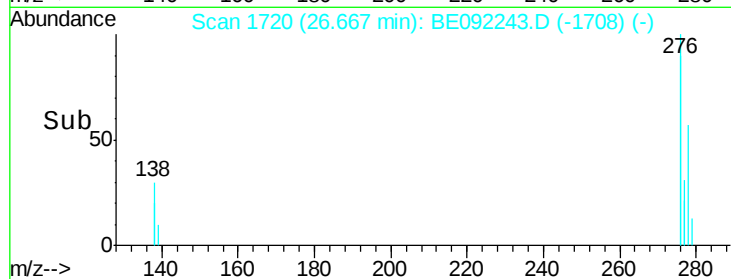
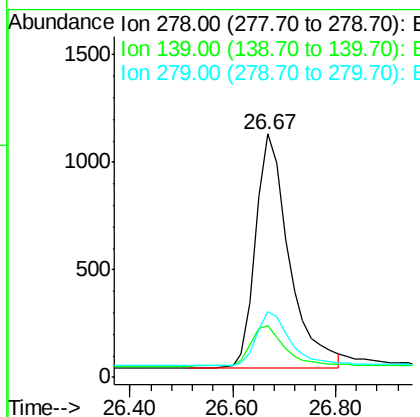
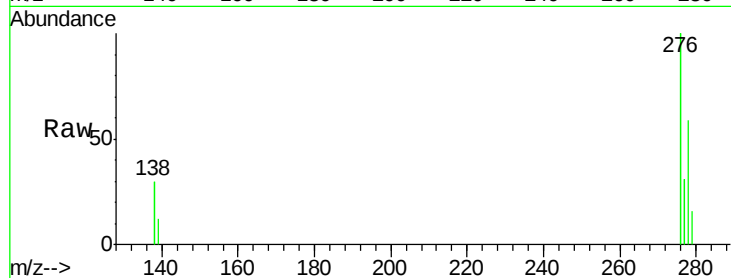
#35  
Dibenzo(a,h)anthracene  
Concen: 0.33 ng  
RT: 26.67 min Scan# 1720  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE080916

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.1  | 16.2  | 24.2  |
| 279     | 26.8  | 21.4  | 32.2  |

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#36  
Benzo(g,h,i)perylene  
Concen: 0.35 ng  
RT: 27.42 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: BE092243.D  
Acq: 10 Aug 2016 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.3  | 21.4  | 32.2  |
| 138     | 24.6  | 19.4  | 29.2  |

