

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\  
 Data File : BE092511.D  
 Acq On : 8 Nov 2016 16:31  
 Operator : UM/SJ  
 Sample : PB94535BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB94535BS

Manual Integrations  
 APPROVED

umangi  
 11/9/2016 10:58:54 AM

Quant Time: Nov 09 00:50:21 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 16:27:22 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.14  | 152  | 9769     | 5.00  | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.93 | 136  | 44325    | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.80 | 164  | 27793    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.56 | 188  | 53566    | 5.00  | ng    | 0.00     |
| 24) Chrysene-d12               | 21.72 | 240  | 72350    | 5.00  | ng    | 0.00     |
| 31) Perylene-d12               | 24.08 | 264  | 59341    | 5.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.66  | 112  | 19925    | 9.25  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.31  | 99   | 27923    | 9.72  | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 9.32  | 82   | 13050    | 4.49  | ng    | -0.02    |
| 13) 2,4,6-Tribromophenol       | 16.28 | 330  | 6871     | 6.95  | ng    | -0.02    |
| 14) 2-Fluorobiphenyl           | 13.42 | 172  | 29306    | 4.26  | ng    | -0.01    |
| 26) Terphenyl-d14              | 20.16 | 244  | 37079    | 4.22  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.39  | 88   | 3943     | 3.38  | ng    | # 52     |
| 3) n-Nitrosodimethylamine      | 3.73  | 42   | 6375     | 3.69  | ng    | # 99     |
| 6) bis(2-Chloroethyl)ether     | 7.57  | 93   | 11675    | 3.71  | ng    | # 88     |
| 9) Naphthalene                 | 10.97 | 128  | 34138    | 3.56  | ng    | # 96     |
| 10) Hexachlorobutadiene        | 11.26 | 225  | 5292     | 3.64  | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.60 | 142  | 23078    | 3.70  | ng    | 98       |
| 15) Acenaphthylene             | 14.51 | 152  | 151182   | 3.79  | ng    | 99       |
| 16) Acenaphthene               | 14.87 | 154  | 23054    | 3.58  | ng    | 94       |
| 17) Fluorene                   | 15.84 | 166  | 30240    | 3.74  | ng    | 99       |
| 19) Hexachlorobenzene          | 16.87 | 284  | 8709     | 4.31  | ng    | # 68     |
| 20) Pentachlorophenol          | 17.21 | 266  | 7111     | 12.16 | ng    | # 86     |
| 21) Phenanthrene               | 17.58 | 178  | 49348    | 4.26  | ng    | # 94     |
| 22) Anthracene                 | 17.67 | 178  | 47945    | 4.27  | ng    | 99       |
| 23) Fluoranthene               | 19.59 | 202  | 218115   | 3.75  | ng    | 99       |
| 25) Pyrene                     | 19.95 | 202  | 229493   | 3.87  | ng    | 99       |
| 27) Benzo(a)anthracene         | 21.70 | 228  | 256168m  | 3.49  | ng    |          |
| 28) Chrysene                   | 21.75 | 228  | 226717m  | 3.85  | ng    |          |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 21915    | 3.42  | ng    | # 56     |
| 30) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 283802   | 3.55  | ng    | 98       |
| 32) Benzo(b)fluoranthene       | 23.35 | 252  | 61277    | 4.00  | ng    | 95       |
| 33) Benzo(k)fluoranthene       | 23.39 | 252  | 64186    | 3.97  | ng    | 93       |
| 34) Benzo(a)pyrene             | 23.97 | 252  | 56779    | 3.70  | ng    | # 95     |
| 35) Dibenzo(a,h)anthracene     | 26.58 | 278  | 59205    | 4.10  | ng    | # 94     |
| 36) Benzo(g,h,i)perylene       | 27.31 | 276  | 245405   | 4.13  | ng    | 98       |

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

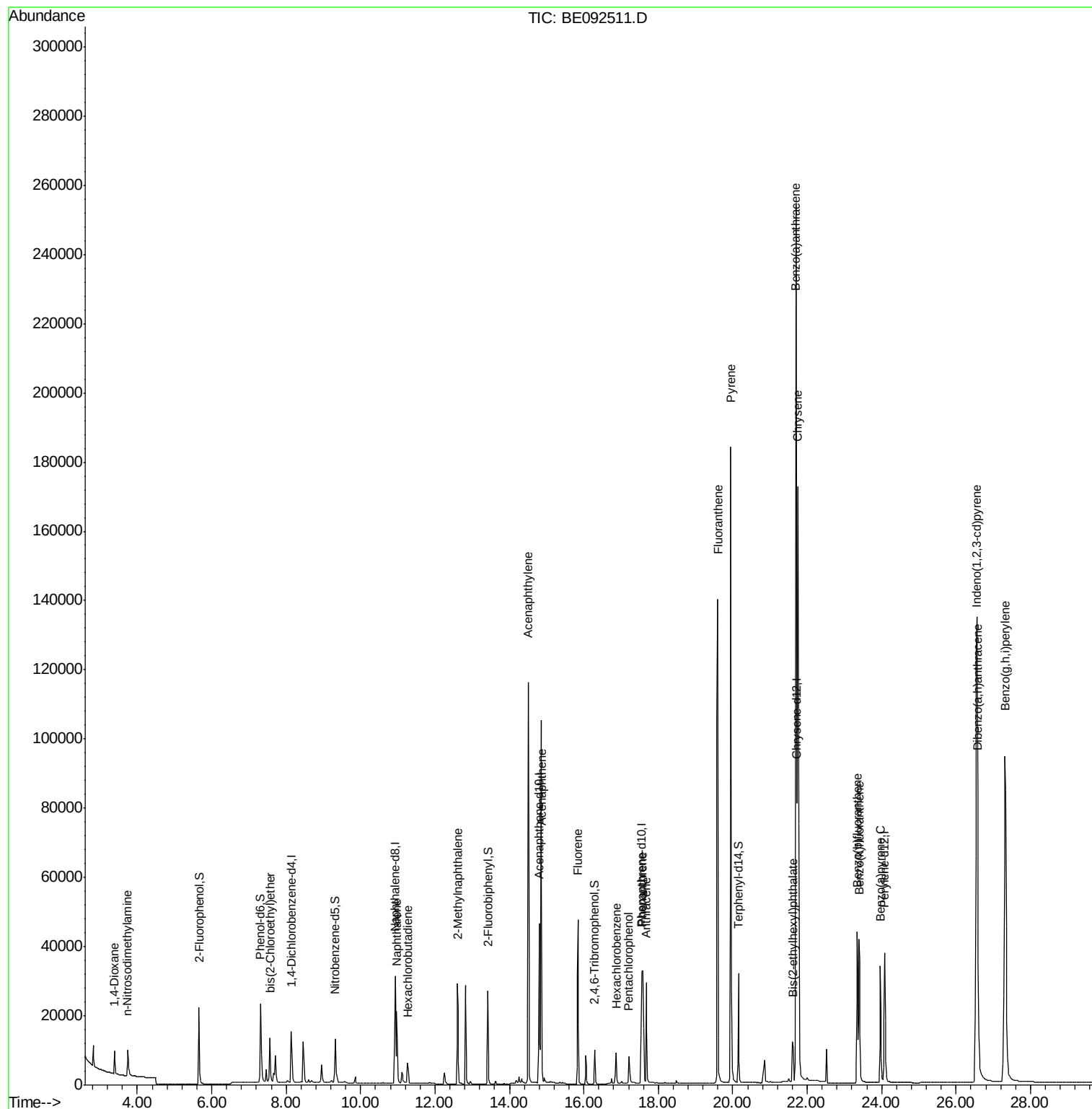
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\  
Data File : BE092511.D  
Acq On : 8 Nov 2016 16:31  
Operator : UM/SJ  
Sample : PB94535BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

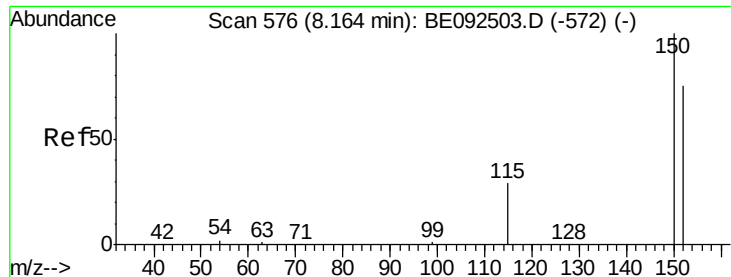
Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

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Quant Time: Nov 09 00:50:21 2016  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 16:27:22 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

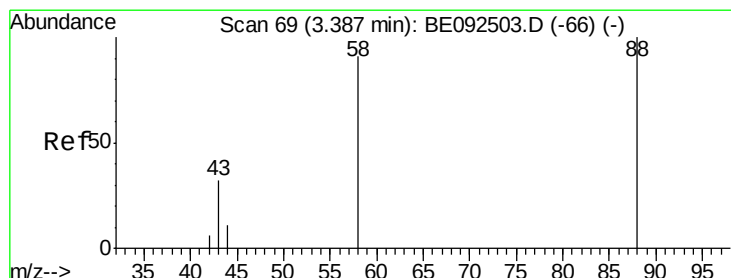
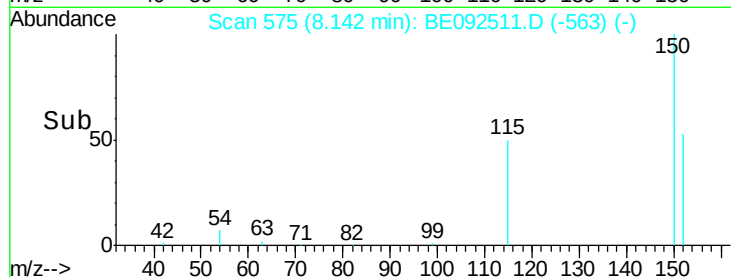
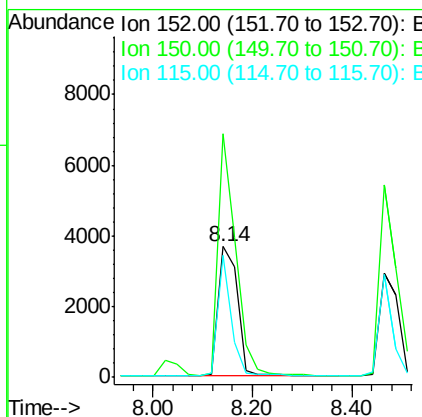
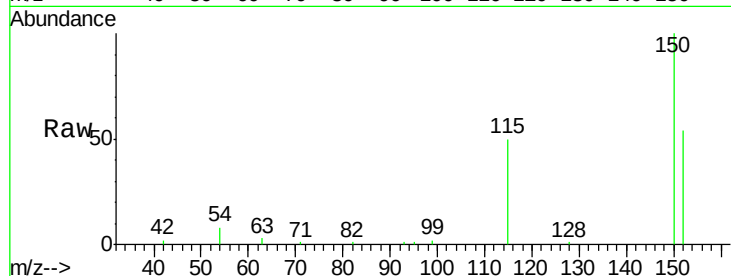
ClientSampleId :

PB94535BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 9769   |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 186.3 | 106.0 | 159.0# |
| 115       | 93.7  | 31.2  | 46.8#  |

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#2

1,4-Dioxane

Concen: 3.38 ng

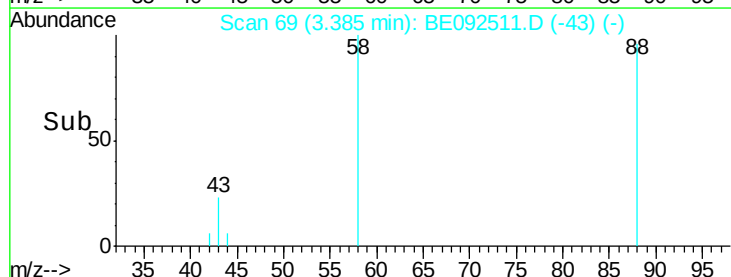
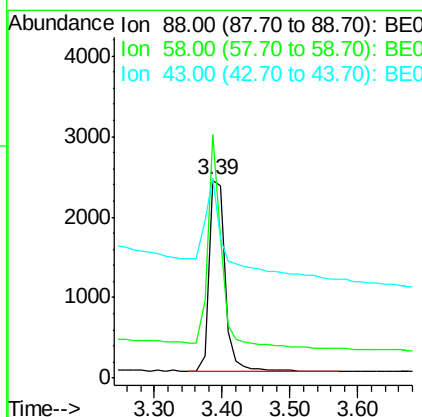
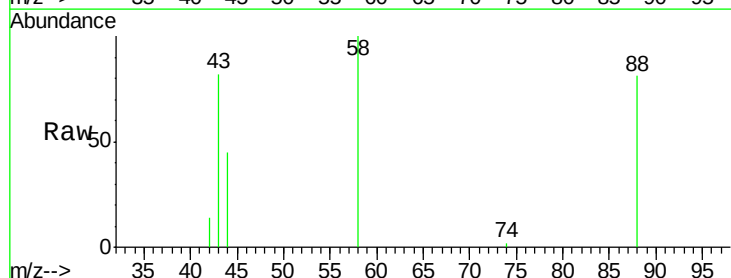
RT: 3.39 min Scan# 69

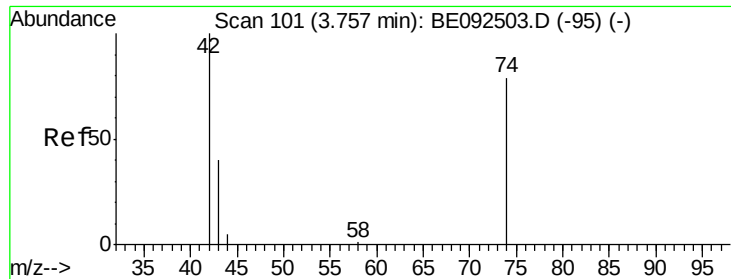
Delta R.T. -0.00 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 3943  |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 102.8 | 63.6  | 95.4# |
| 43        | 91.3  | 28.0  | 42.0# |





#3

n-Nitrosodimethylamine

Concen: 3.69 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

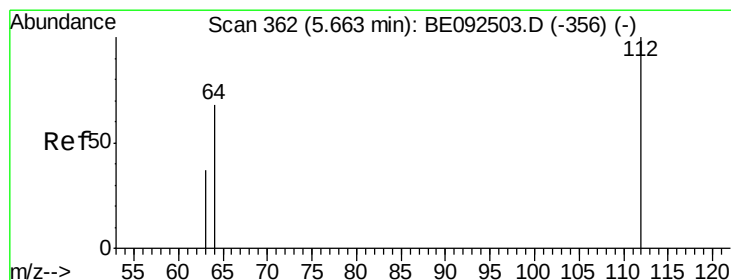
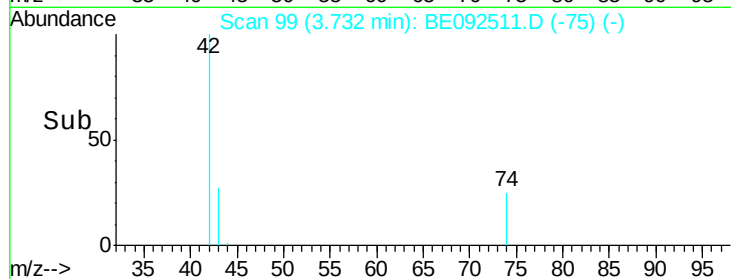
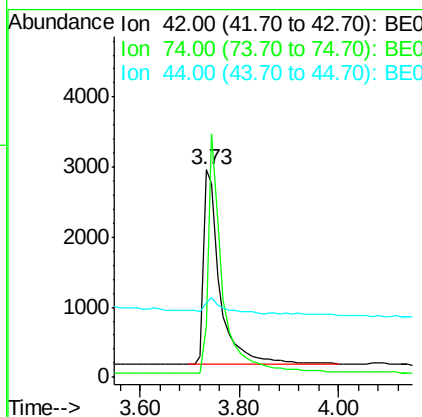
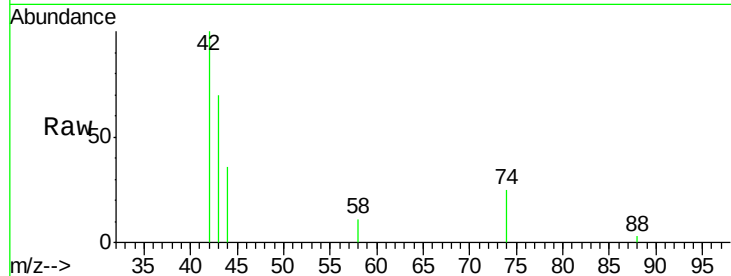
ClientSampleId :

PB94535BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 6375  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 108.5 | 86.0  | 129.0 |
| 44       | 9.8   | 5.1   | 7.7#  |

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#4

2-Fluorophenol

Concen: 9.25 ng

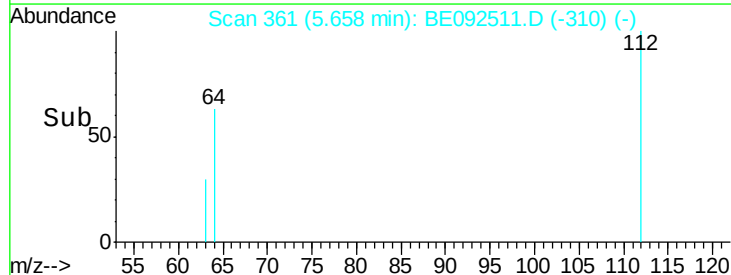
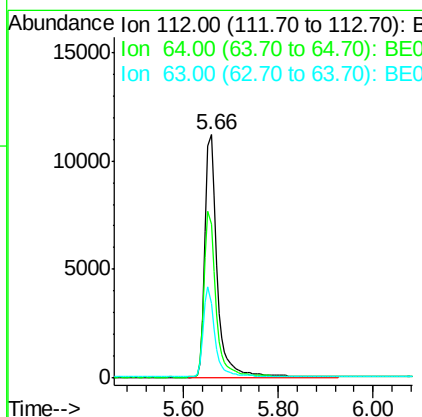
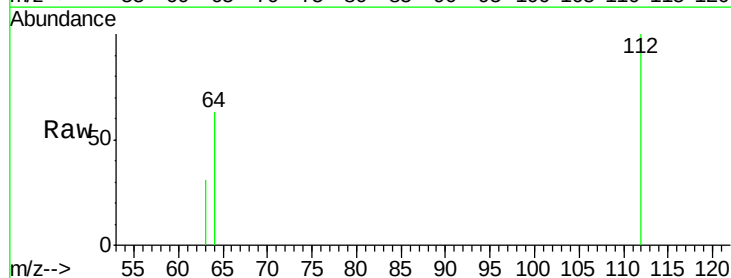
RT: 5.66 min Scan# 361

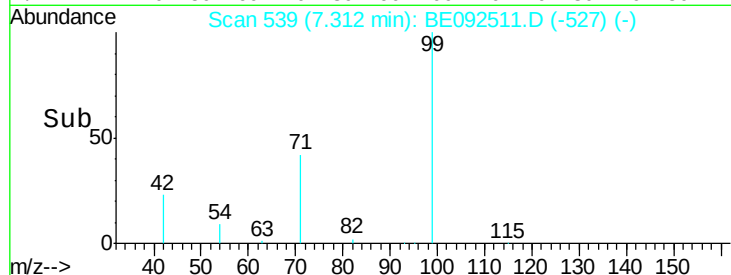
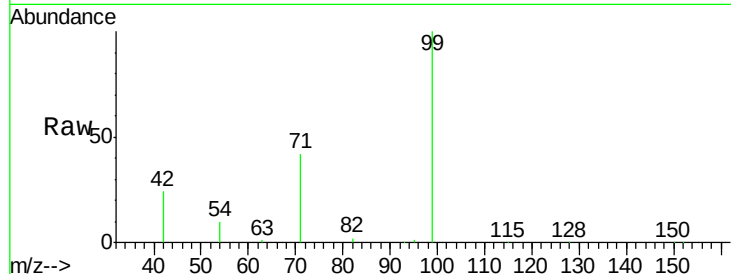
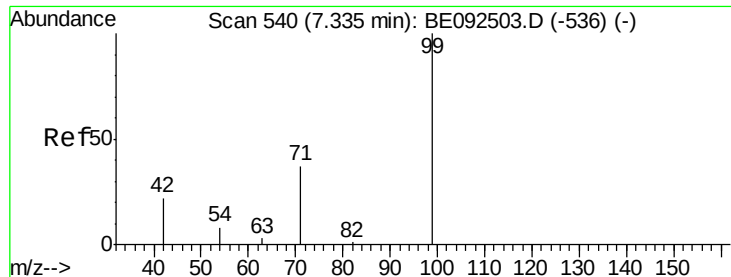
Delta R.T. -0.01 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 19925 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 67.2  | 53.5  | 80.3  |
| 63       | 35.8  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 9.72 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 27923 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 22.8  | 16.0  | 24.0  |
| 71       | 35.3  | 30.6  | 45.8  |

Instrument :

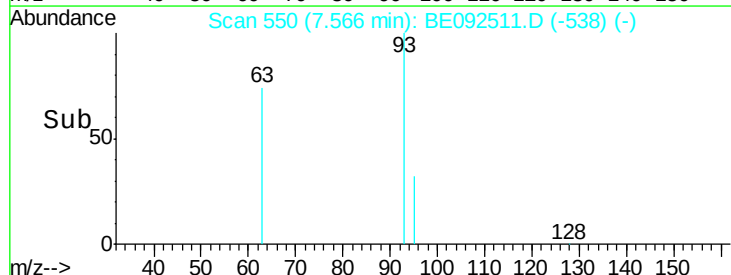
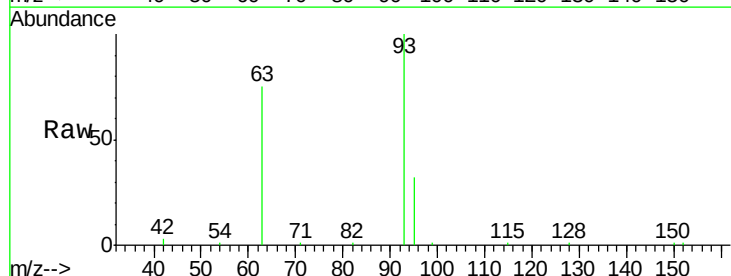
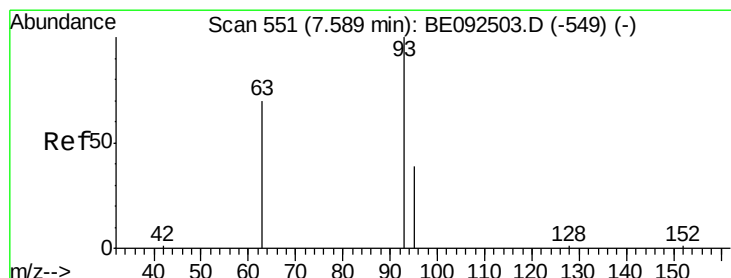
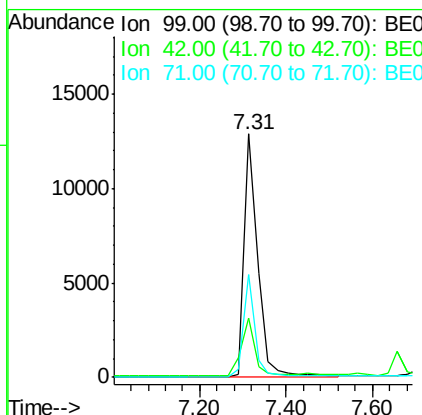
BNA\_E

ClientSampleId :

PB94535BS

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#6

bis(2-Chloroethyl)ether

Concen: 3.71 ng

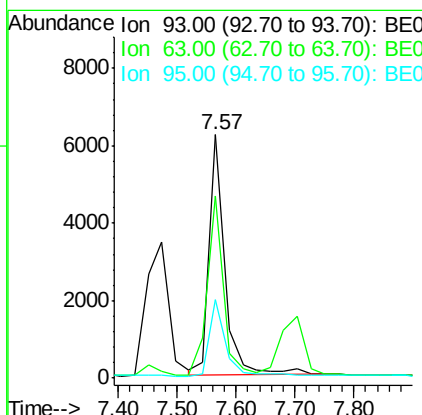
RT: 7.57 min Scan# 550

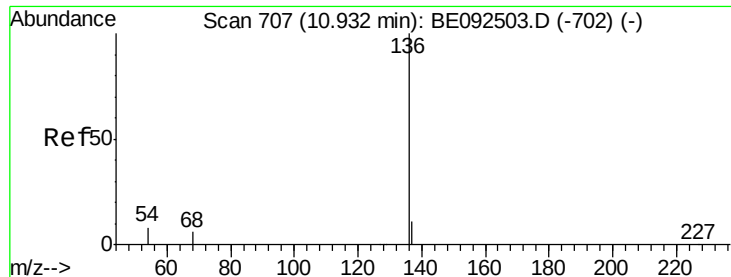
Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 11675 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 75.2  | 71.6  | 107.4 |
| 95       | 32.2  | 24.0  | 36.0  |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

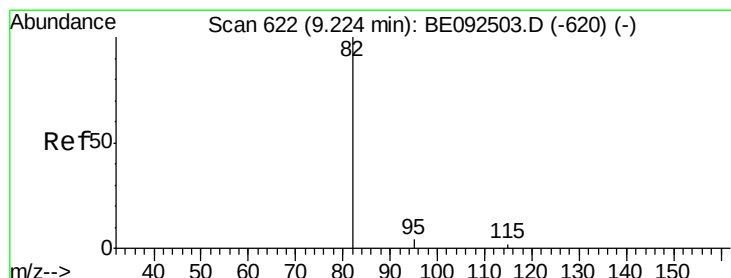
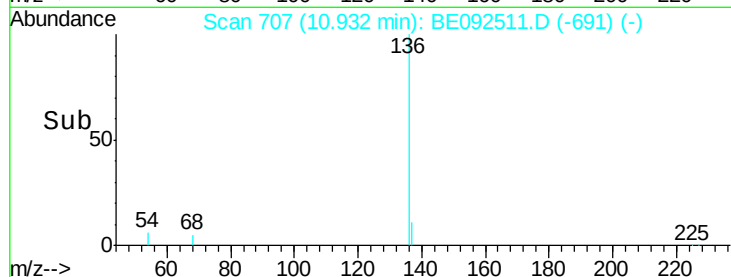
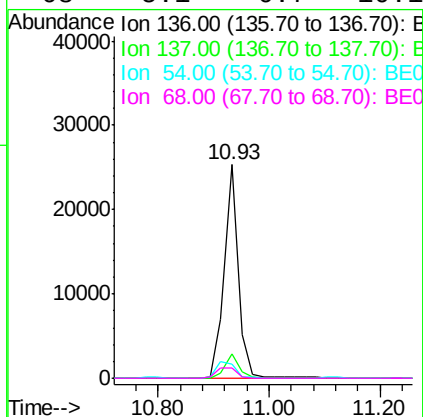
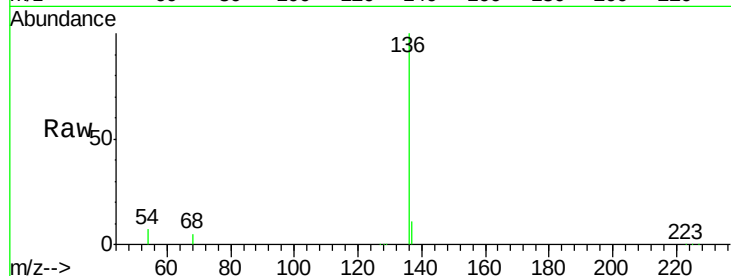
ClientSampleId :

PB94535BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.2  | 8.2  | 12.4  |       |
| 54      | 6.6   | 9.6  | 14.4  |       |
| 68      | 5.1   | 6.7  | 10.1  |       |

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#8

Nitrobenzene-d5

Concen: 4.49 ng

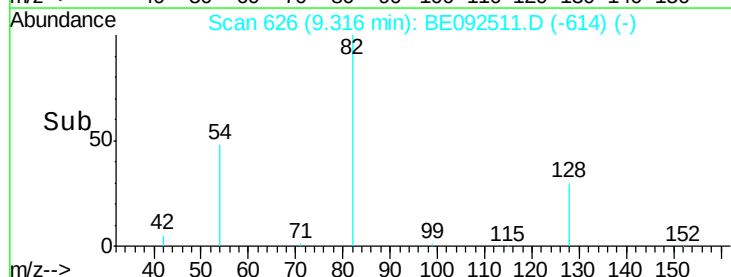
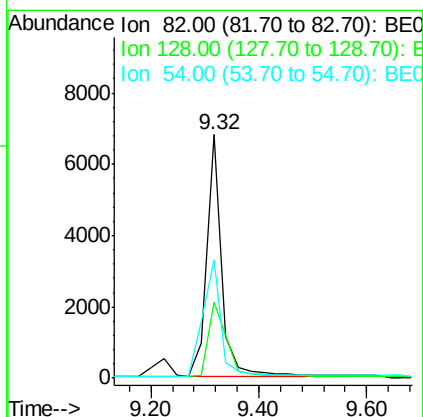
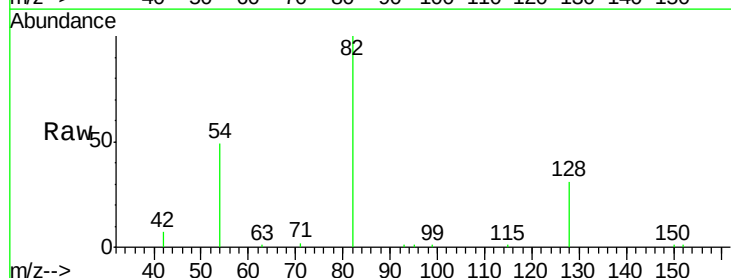
RT: 9.32 min Scan# 626

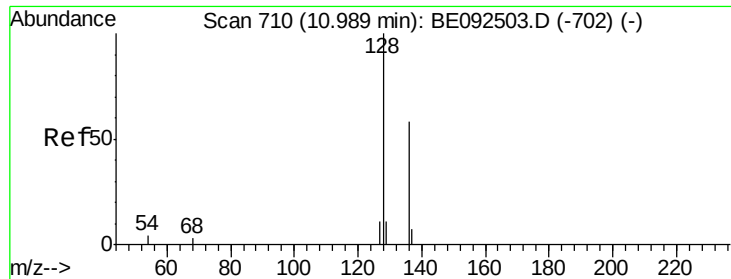
Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 31.0  | 39.0 | 58.4  |       |
| 54      | 48.8  | 44.8 | 67.2  |       |





#9

Naphthalene

Concen: 3.56 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

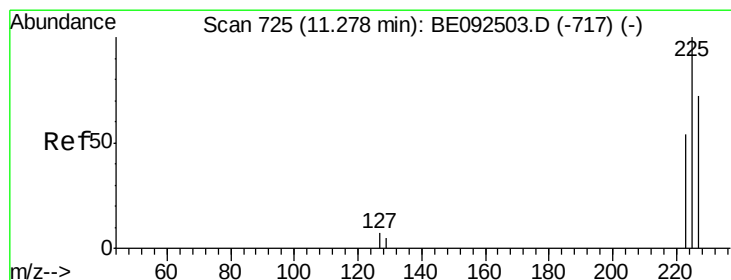
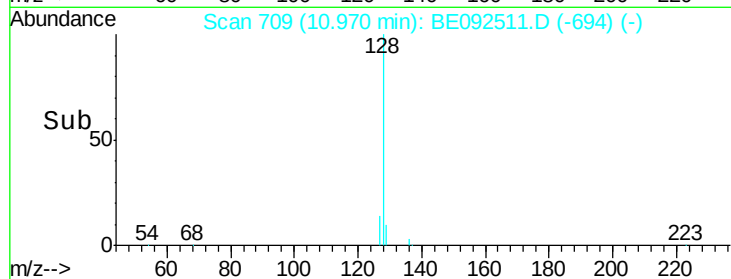
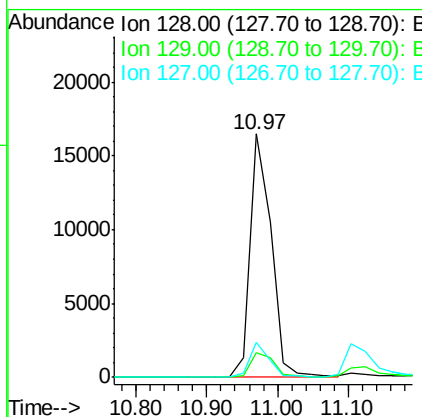
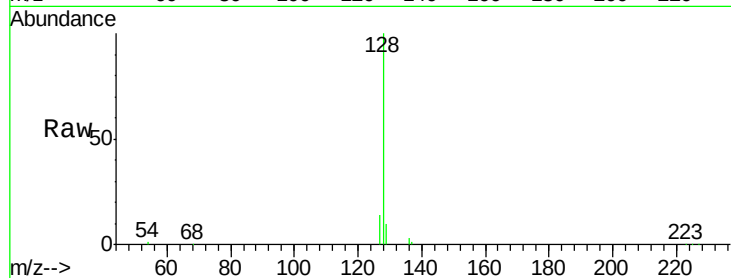
ClientSampleId :

PB94535BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 34138 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.3  | 11.2  | 16.8# |
| 127       | 14.5  | 11.6  | 17.4  |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 3.64 ng

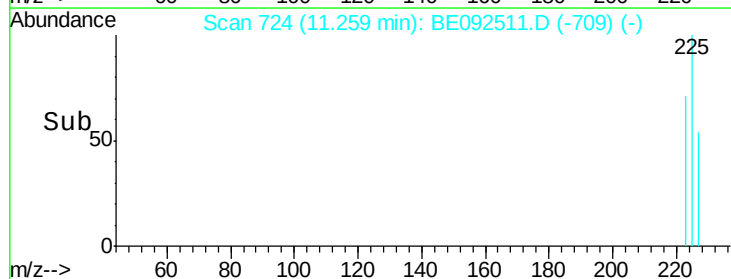
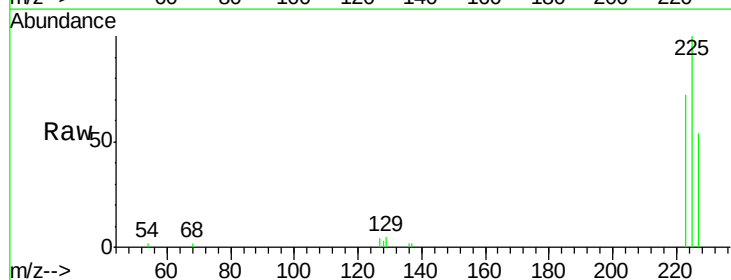
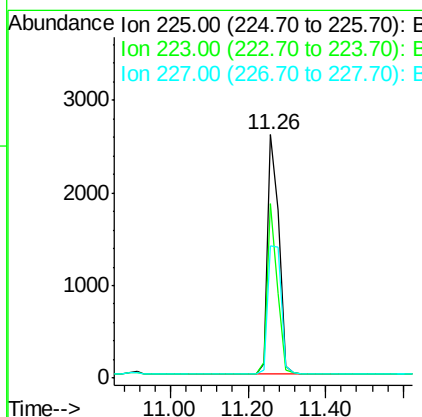
RT: 11.26 min Scan# 724

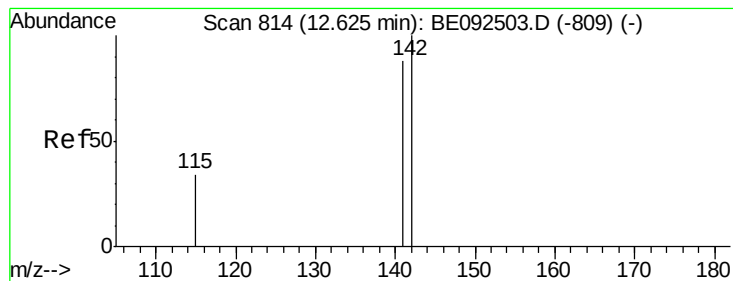
Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 5292 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.3  | 50.6  | 76.0 |
| 227       | 63.2  | 51.4  | 77.0 |





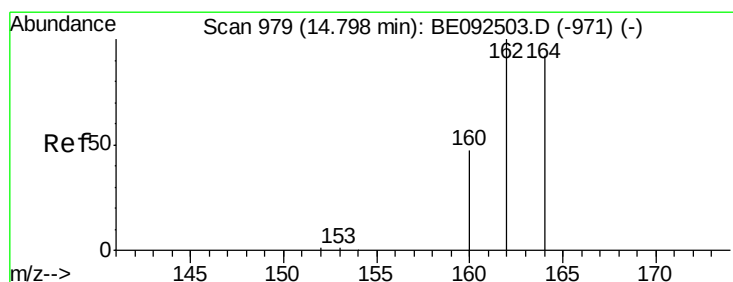
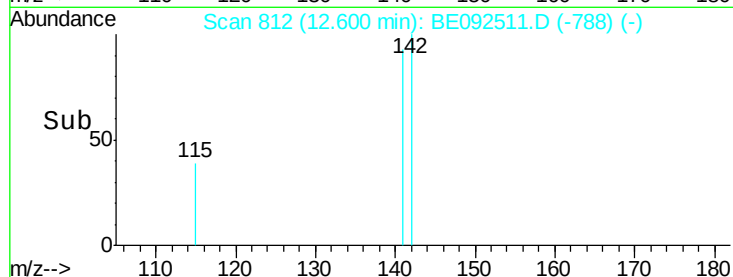
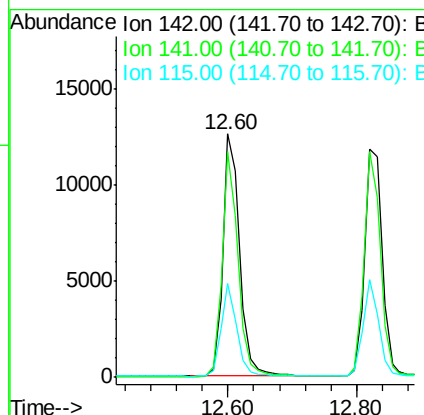
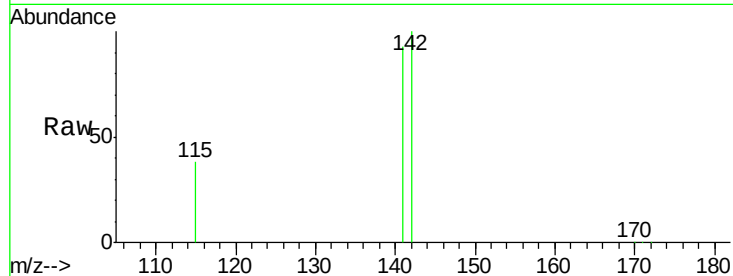
#11  
2-Methylnaphthalene  
Concen: 3.70 ng  
RT: 12.60 min Scan# 812  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.6  | 73.7  | 110.5 |
| 115     | 38.5  | 34.0  | 51.0  |

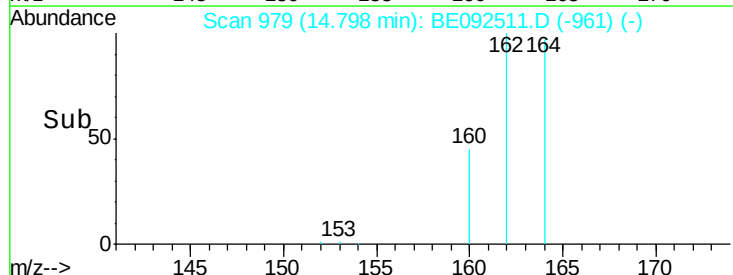
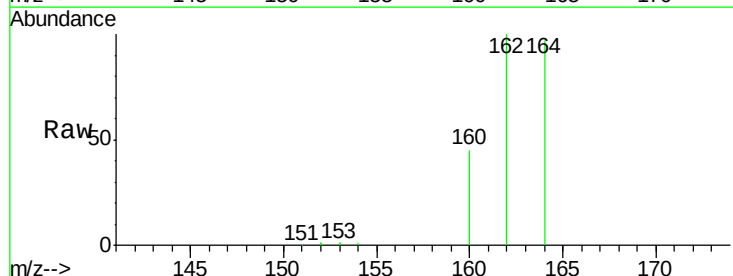
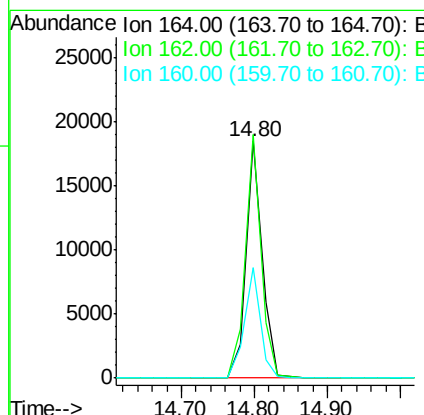
Manual Integrations  
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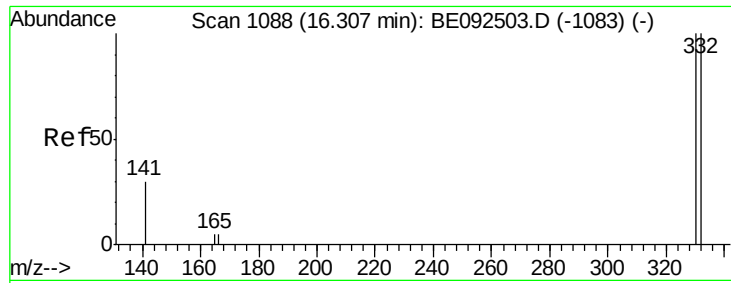


#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.80 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.7 | 71.4  | 107.0 |
| 160     | 46.4  | 27.4  | 41.2  |







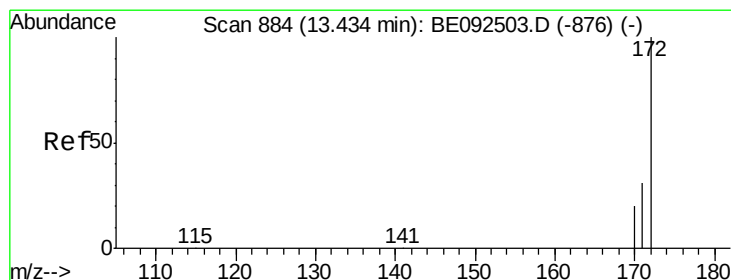
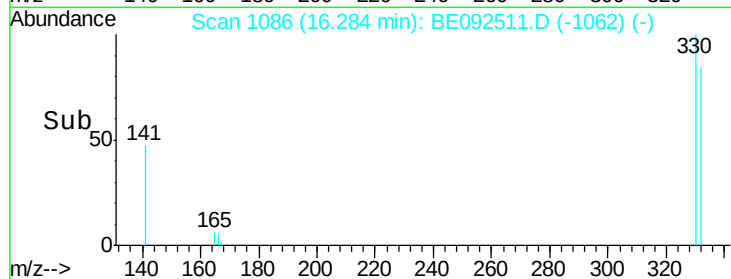
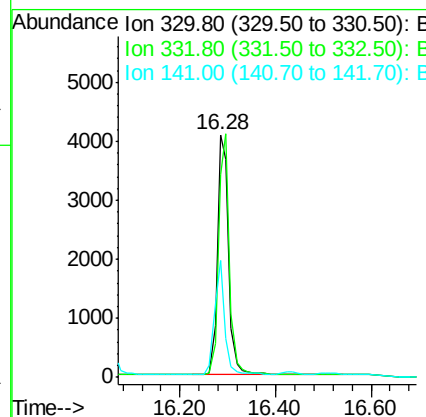
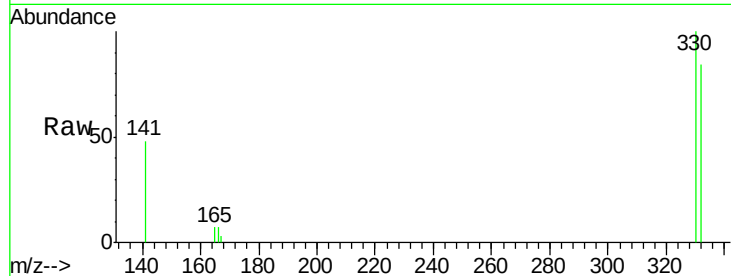
#13  
 2,4,6-Tribromophenol  
 Concen: 6.95 ng  
 RT: 16.28 min Scan# 1086  
 Delta R.T. -0.02 min  
 Lab File: BE092511.D  
 Acq: 8 Nov 2016 16:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 75.4  | 113.0 |
| 141     | 41.5  | 31.0  | 46.6  |

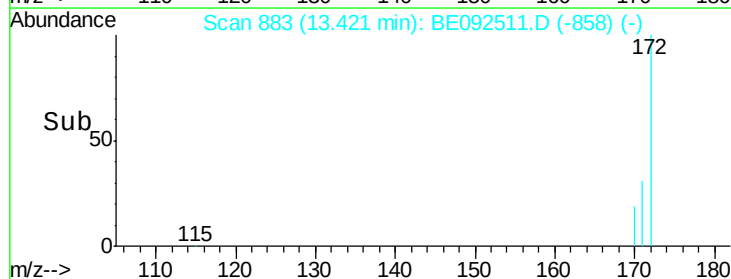
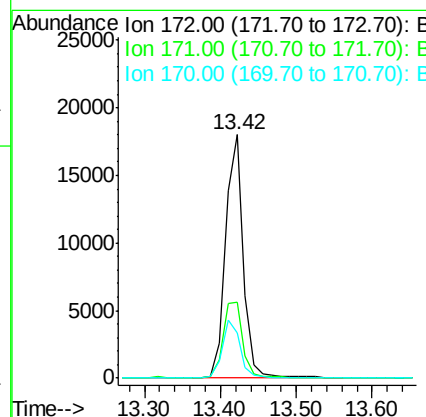
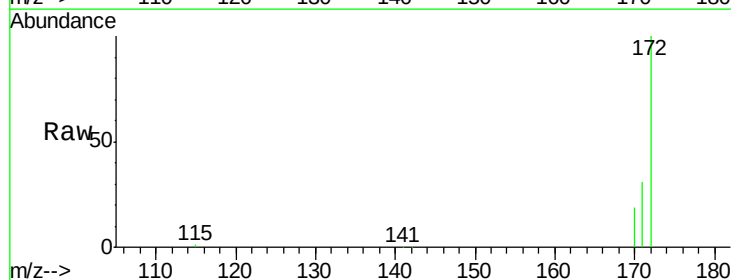
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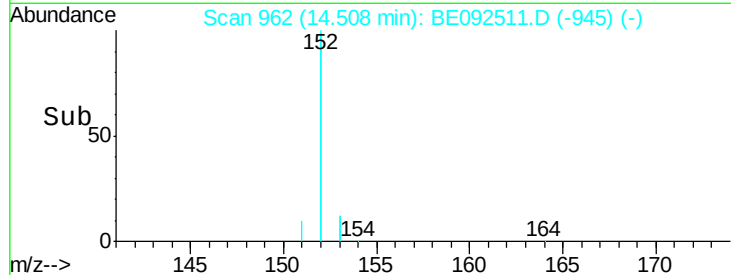
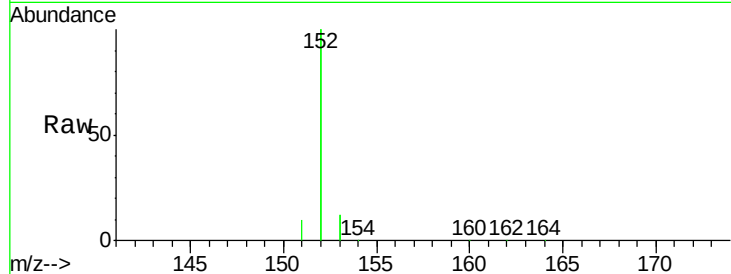
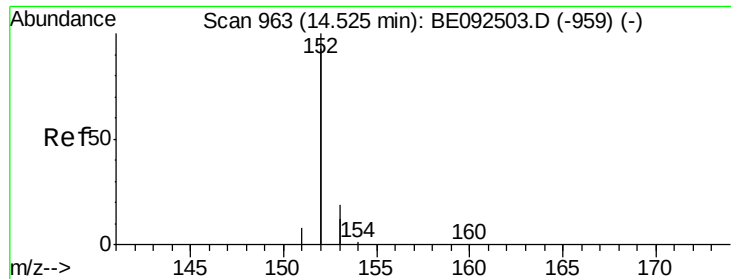
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#14  
 2-Fluorobiphenyl  
 Concen: 4.26 ng  
 RT: 13.42 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BE092511.D  
 Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 31.2  | 30.1  | 45.1  |
| 170     | 18.8  | 21.8  | 32.6# |





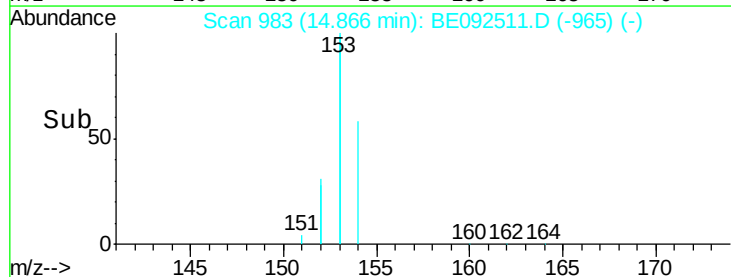
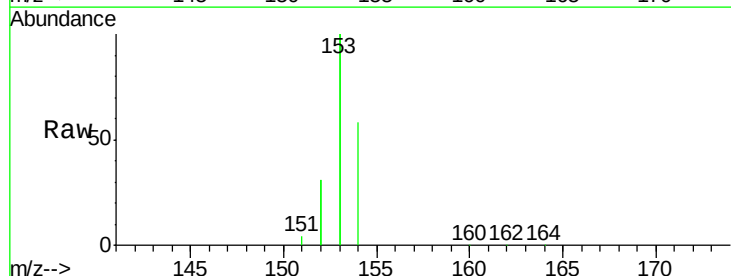
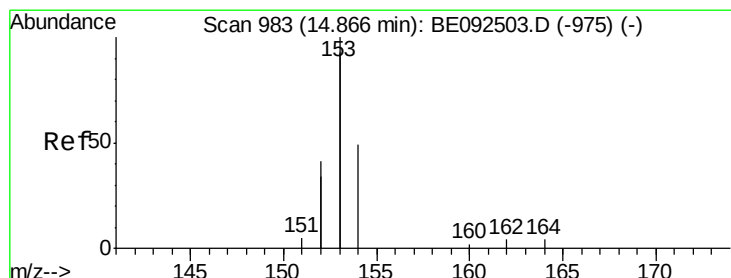
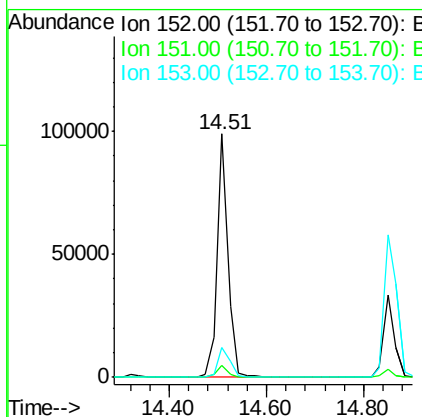
#15  
Acenaphthylene  
Concen: 3.79 ng  
RT: 14.51 min Scan# 962  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 151182 |       |       |
| 151     | 4.9   |        | 3.9   | 5.9   |
| 153     | 13.3  |        | 10.4  | 15.6  |

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

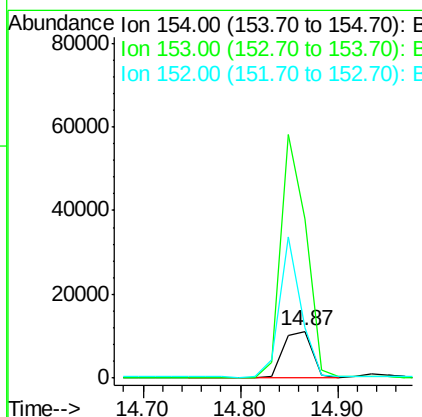
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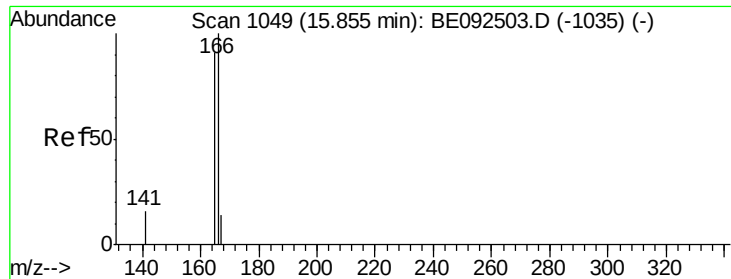
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#16  
Acenaphthene  
Concen: 3.58 ng  
RT: 14.87 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 23054 |       |       |
| 153     | 452.2 |       | 350.8 | 526.2 |
| 152     | 223.8 |       | 171.1 | 256.7 |





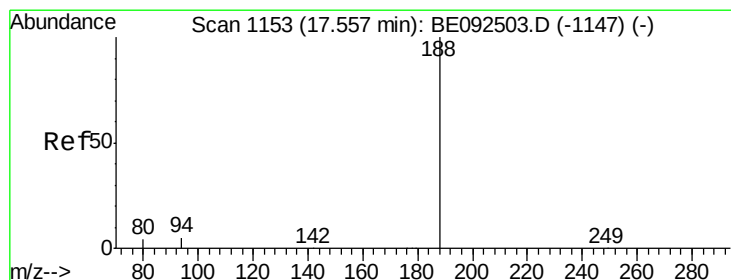
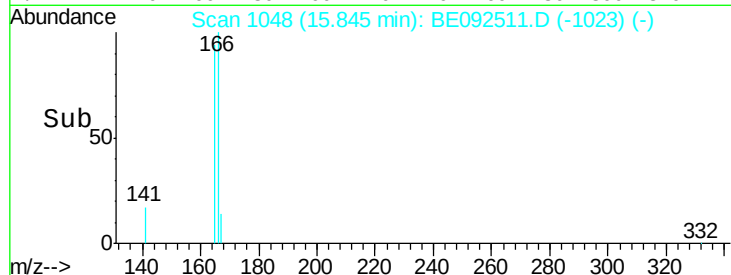
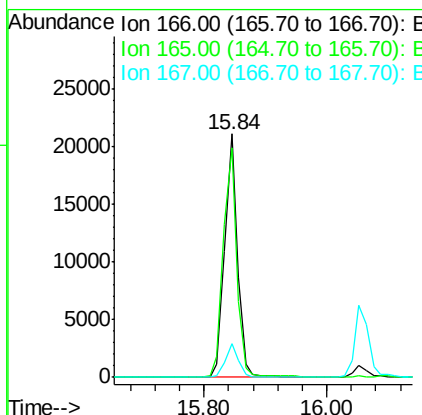
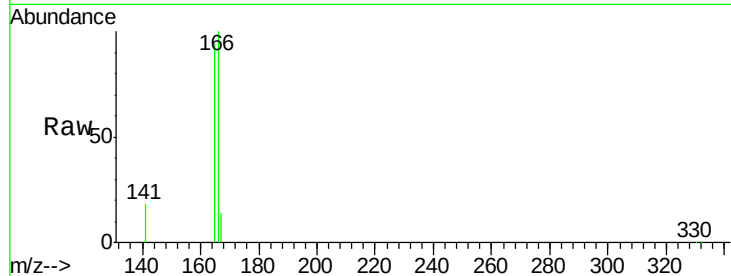
#17  
**Fluorene**  
 Concen: 3.74 ng  
 RT: 15.84 min Scan# 1048  
 Delta R.T. -0.01 min  
 Lab File: BE092511.D  
 Acq: 8 Nov 2016 16:31

Instrument :  
 BNA\_E  
 ClientSampled :  
 PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.6  | 78.2  | 117.4 |
| 167     | 13.5  | 11.0  | 16.4  |

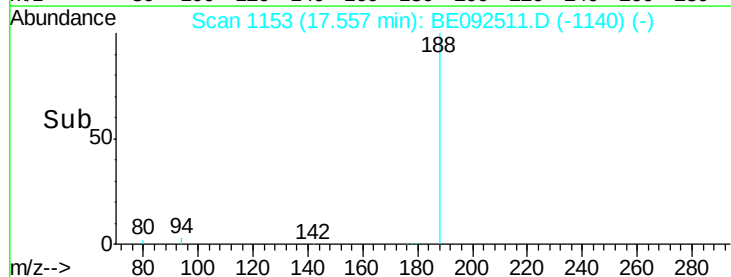
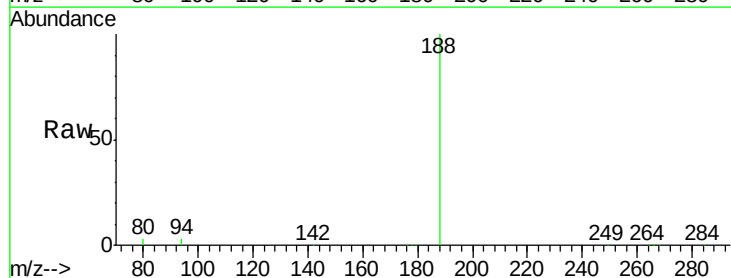
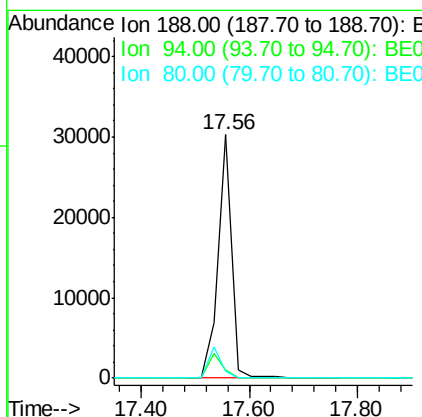
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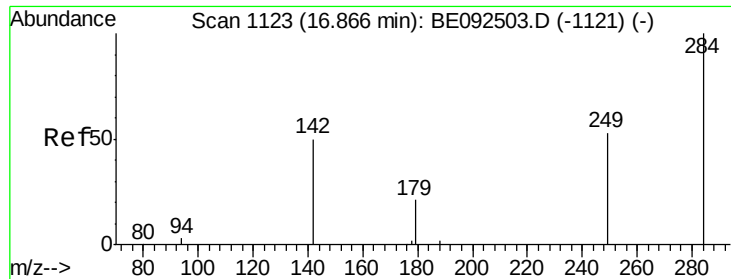
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#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.56 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: BE092511.D  
 Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 3.4   | 3.2   | 4.8   |
| 80      | 2.7   | 2.6   | 3.8   |





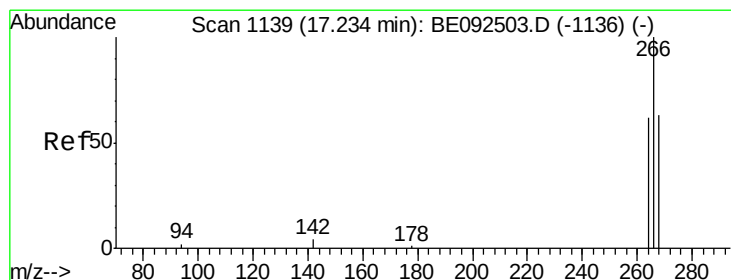
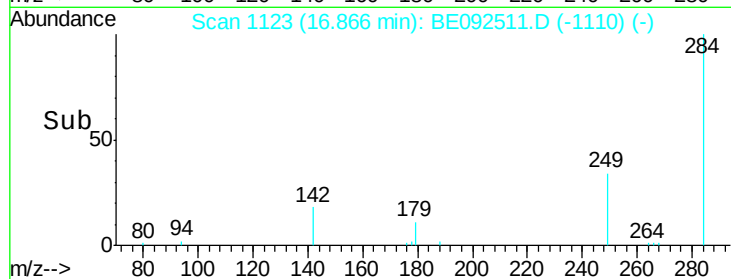
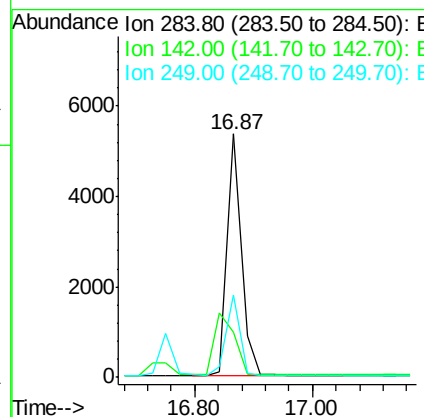
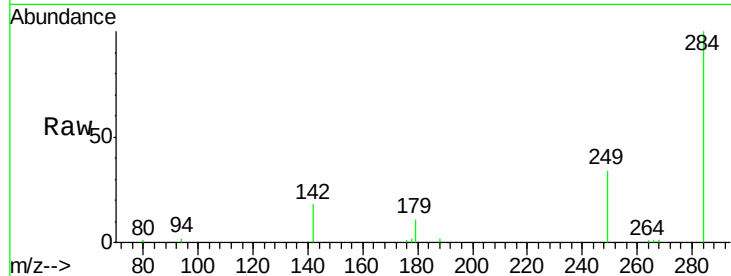
#19  
Hexachlorobenzene  
Concen: 4.31 ng  
RT: 16.87 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 29.1  | 43.7# |
| 249     | 34.3  | 27.9  | 41.9  |

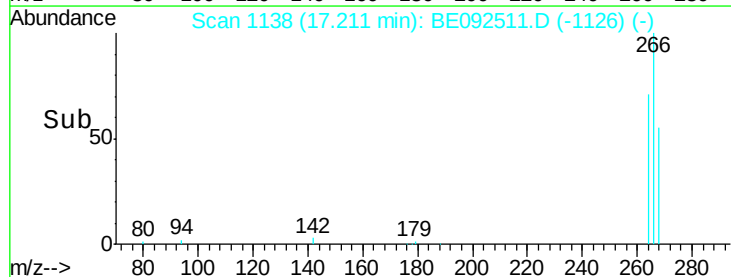
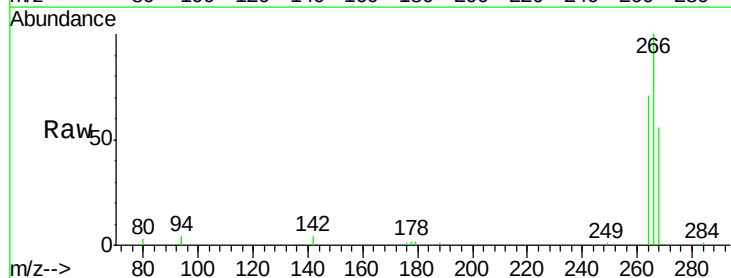
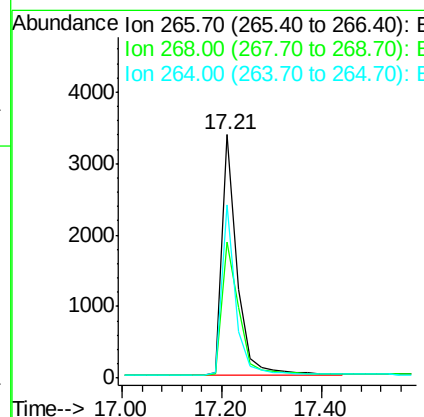
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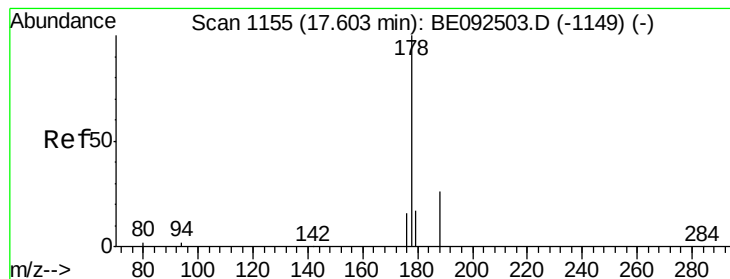
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#20  
Pentachlorophenol  
Concen: 12.16 ng  
RT: 17.21 min Scan# 1138  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 55.7  | 62.5  | 93.7# |
| 264     | 70.9  | 57.2  | 85.8  |





#21

Phenanthrene

Concen: 4.26 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

ClientSampleId :

PB94535BS

Tot Ion:178 Resp: 49348

Ion Ratio Lower Upper

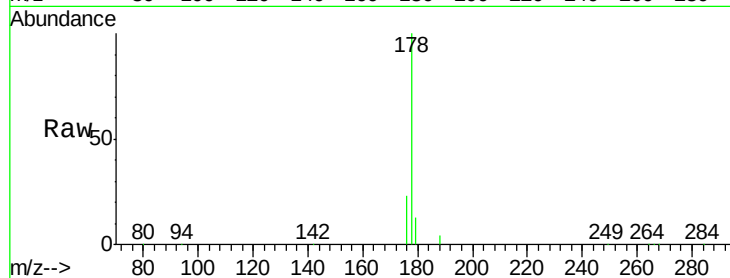
178 100

176 20.1 15.8 23.8

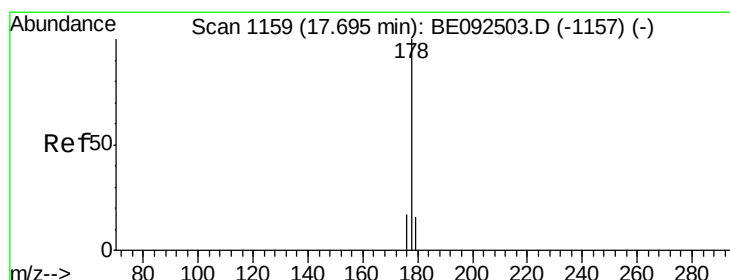
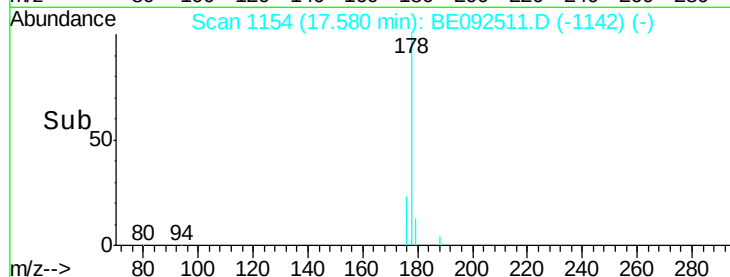
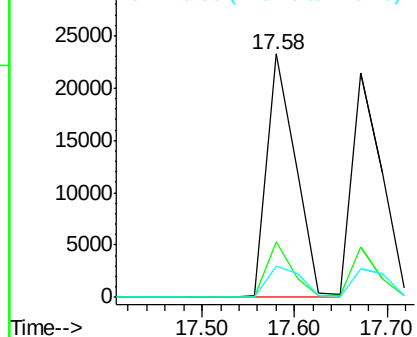
179 14.8 16.0 24.0#

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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#22

Anthracene

Concen: 4.27 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Tgt Ion:178 Resp: 47945

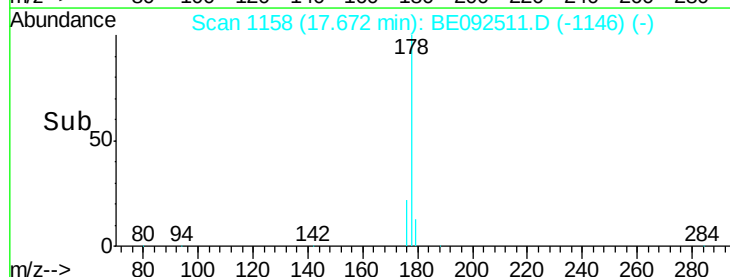
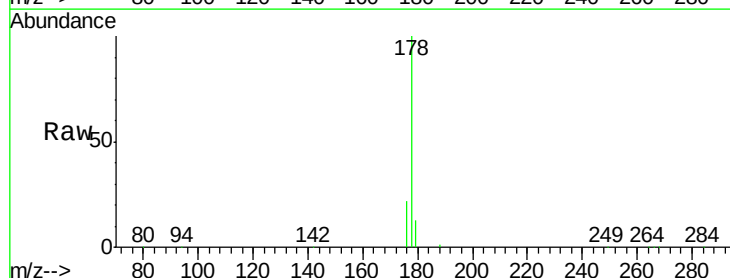
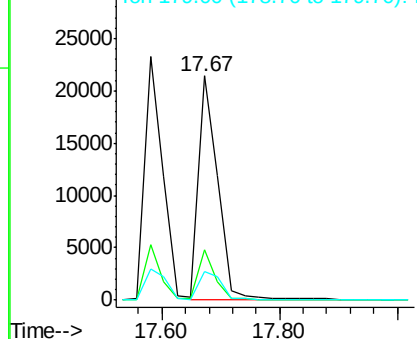
Ion Ratio Lower Upper

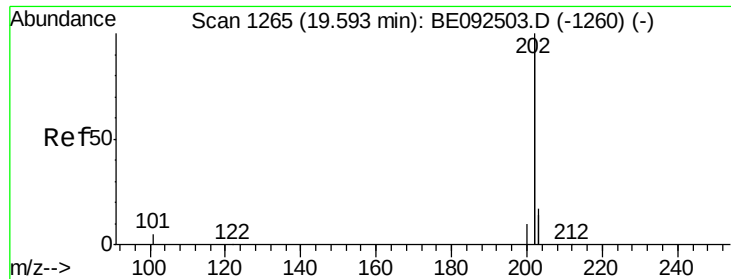
178 100

176 19.3 15.0 22.4

179 15.2 12.2 18.2

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 3.75 ng

RT: 19.59 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

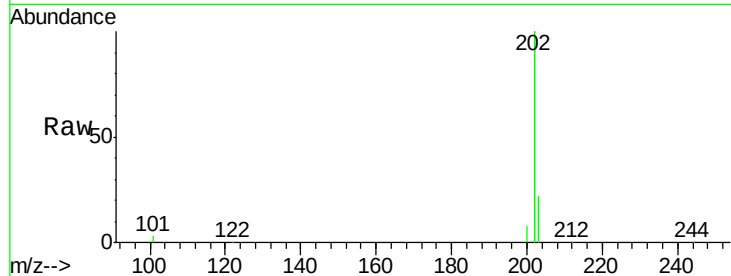
ClientSampleId :

PB94535BS

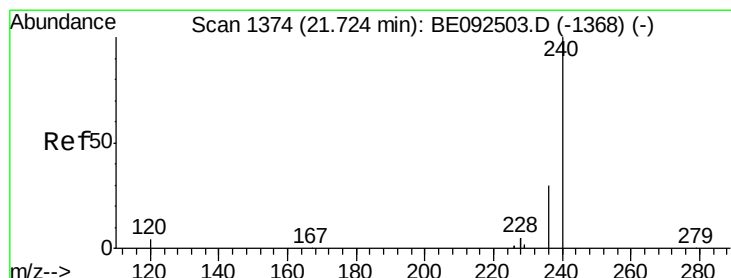
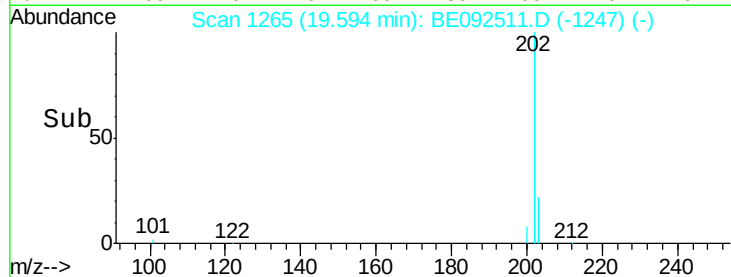
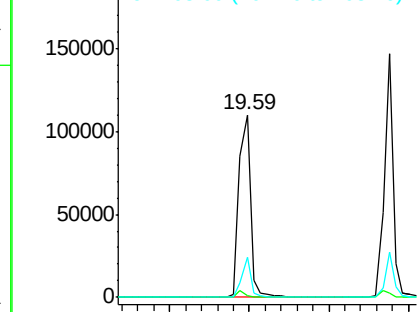
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 218115 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 2.9   | 2.2   | 3.4    |
| 203       | 17.6  | 13.7  | 20.5   |

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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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

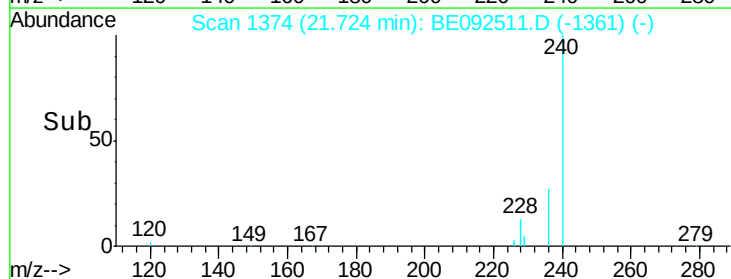
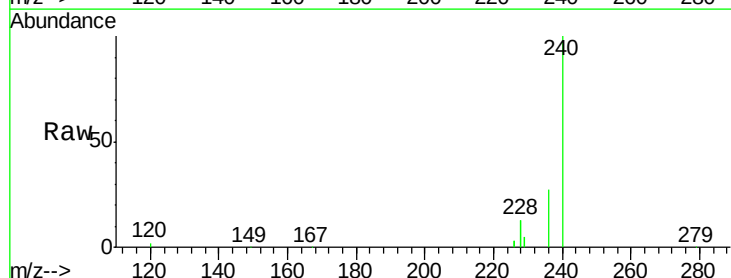
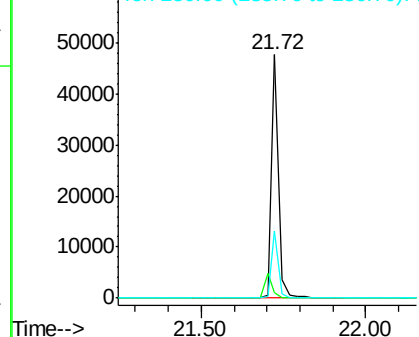
Delta R.T. 0.00 min

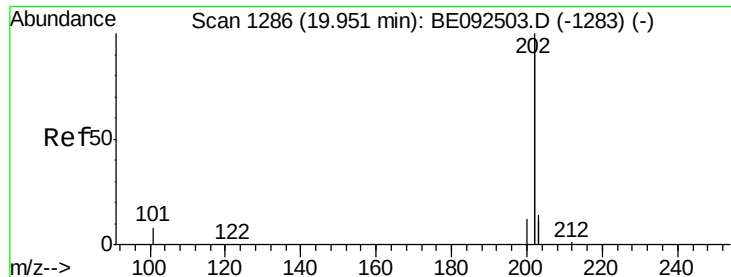
Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 72350 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 2.1   | 2.6   | 4.0#  |
| 236       | 27.3  | 24.6  | 37.0  |

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





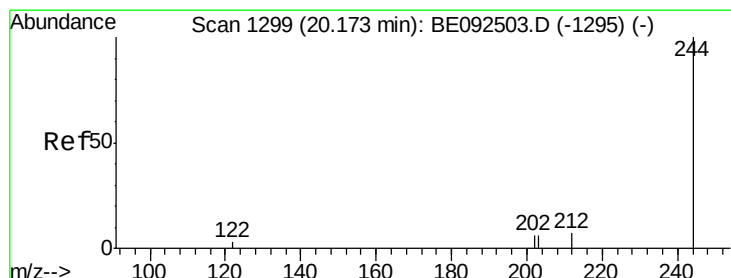
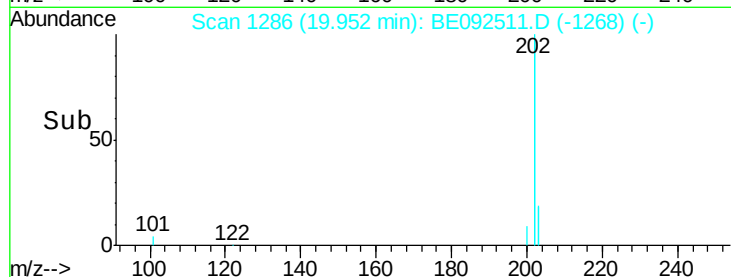
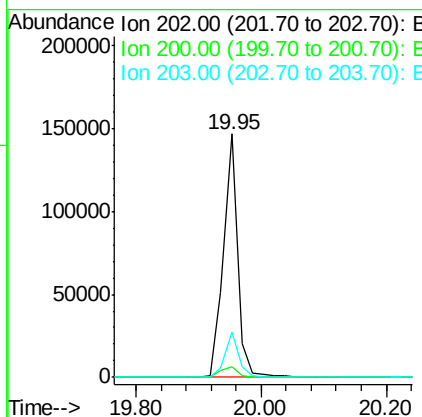
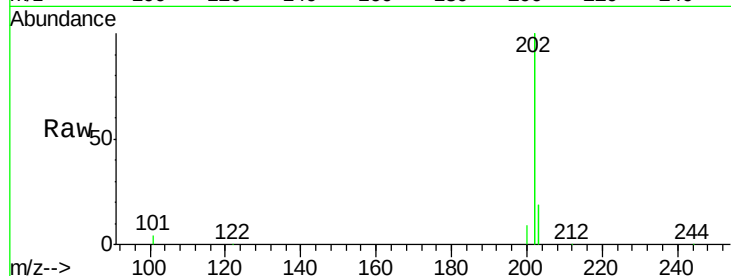
#25  
Pvrene  
Concen: 3.87 ng  
RT: 19.95 min Scan# 1286  
Delta R.T. 0.00 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 5.3   | 4.2   | 6.4   |
| 203     | 17.9  | 13.9  | 20.9  |

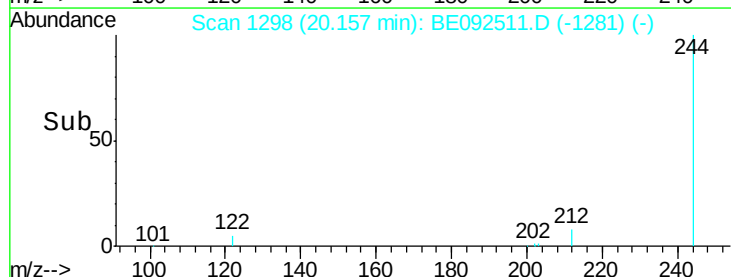
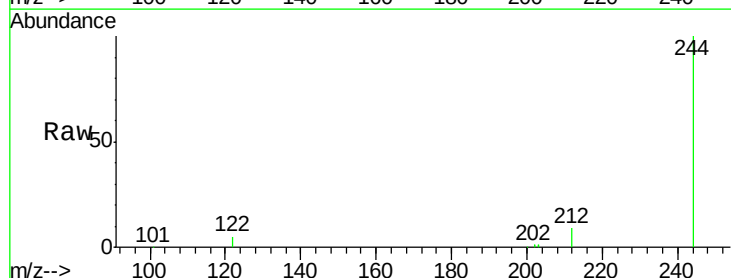
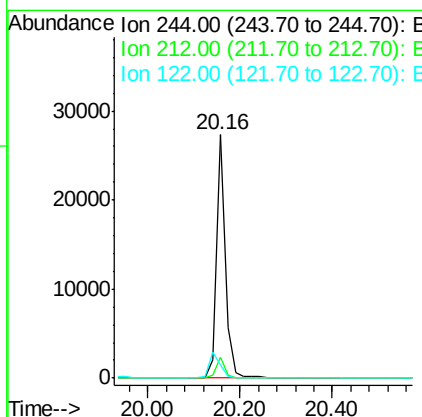
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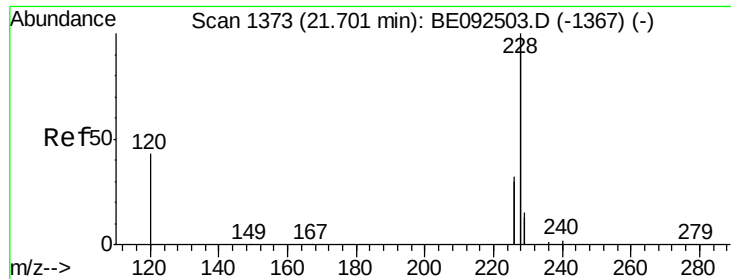
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#26  
Terphenyl-d14  
Concen: 4.22 ng  
RT: 20.16 min Scan# 1298  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.6   | 6.7   | 10.1  |
| 122     | 5.3   | 3.6   | 5.4   |





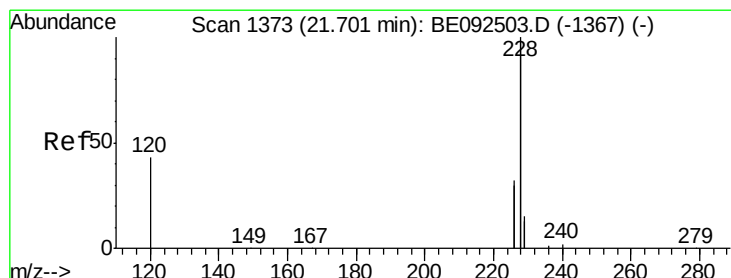
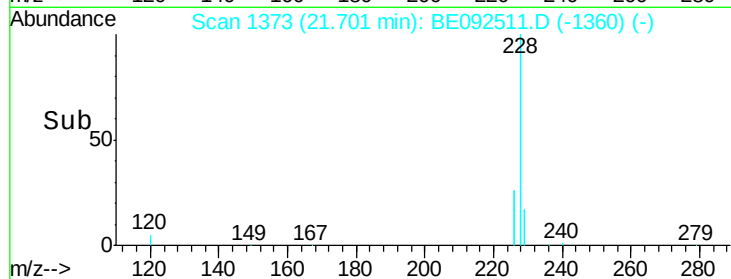
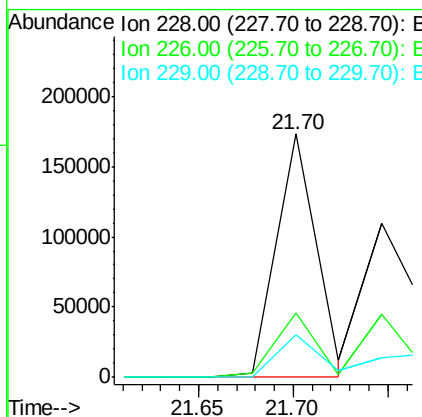
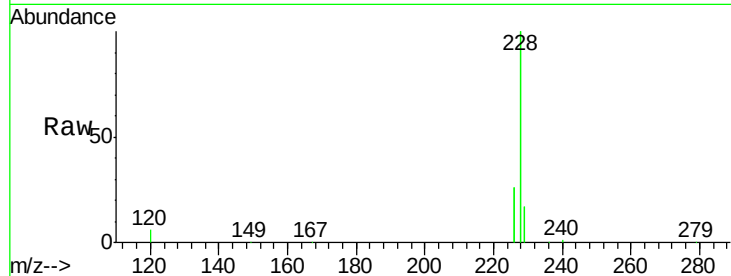
#27  
Benzo(a)anthracene  
Concen: 3.49 ng m  
RT: 21.70 min Scan# 1373  
Delta R.T. 0.00 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.3  | 23.6  | 35.4  |
| 229     | 17.3  | 13.3  | 19.9  |

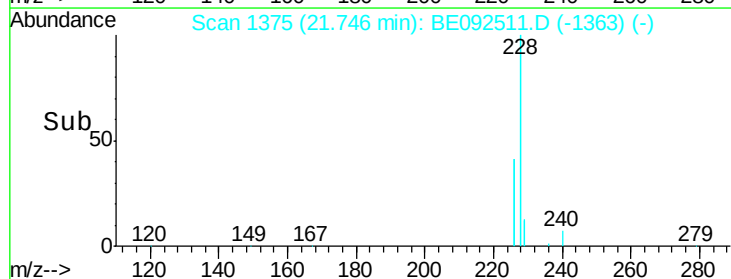
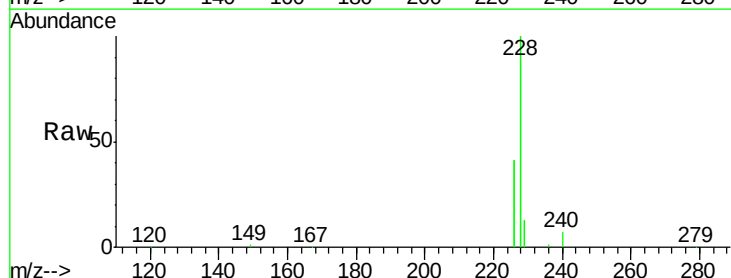
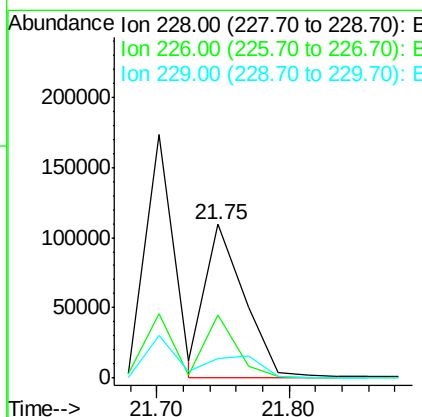
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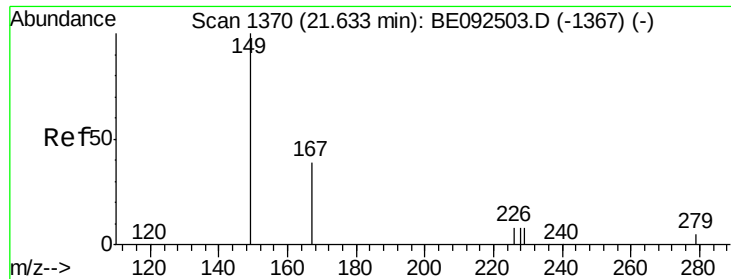


#28  
Chrysene  
Concen: 3.85 ng m  
RT: 21.75 min Scan# 1375  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 41.1  | 36.3  | 54.5  |
| 229     | 12.5  | 10.6  | 16.0  |







#29

Bis(2-ethylhexyl)phthalate

Concen: 3.42 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

Instrument :

BNA\_E

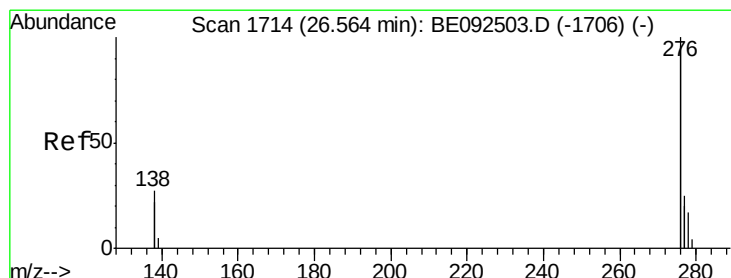
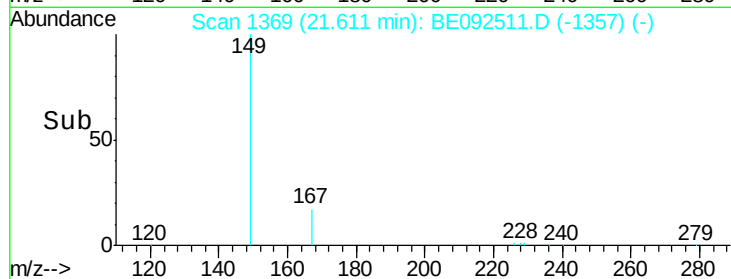
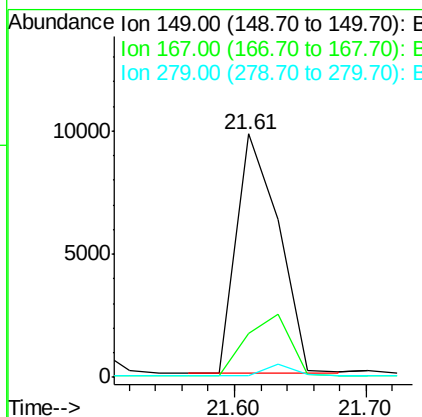
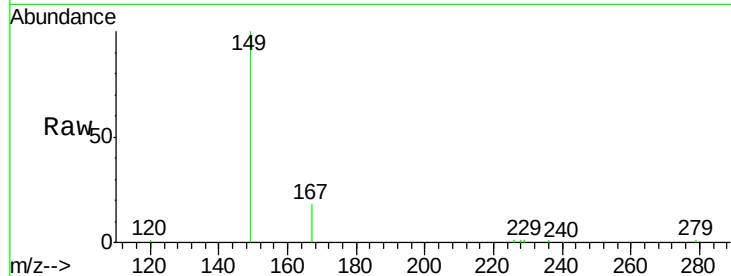
ClientSampleId :

PB94535BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 21915 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 0.0   | 16.0  | 24.0# |
| 279       | 0.0   | 16.0  | 24.0# |

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#30

Indeno(1,2,3-cd)pyrene

Concen: 3.55 ng

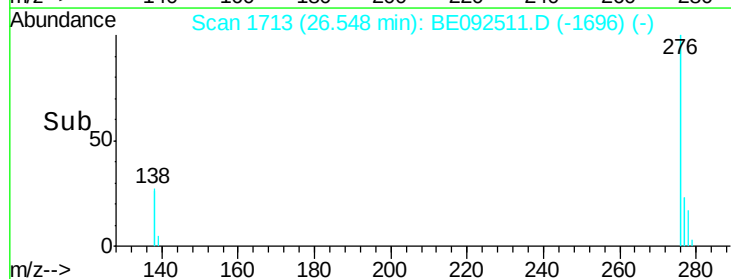
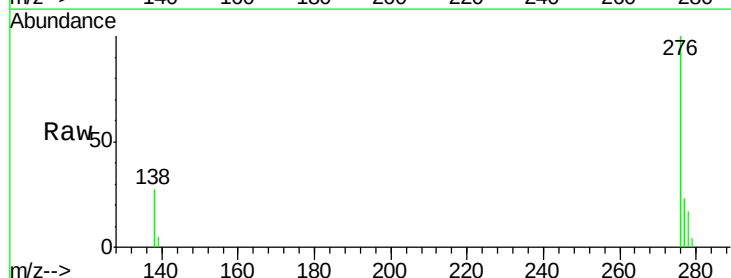
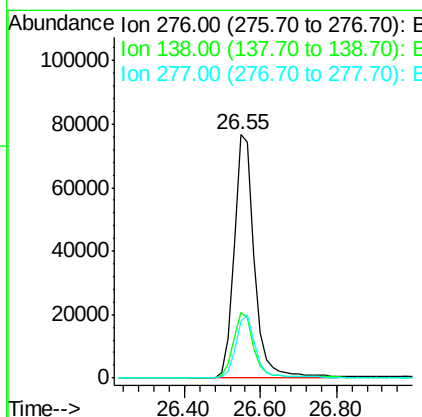
RT: 26.55 min Scan# 1713

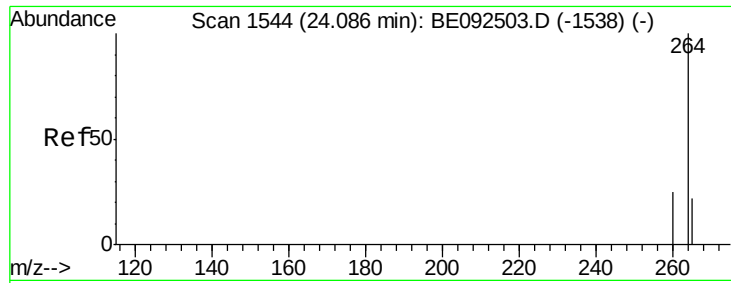
Delta R.T. -0.02 min

Lab File: BE092511.D

Acq: 8 Nov 2016 16:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 283802 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 26.9  | 20.3  | 30.5   |
| 277       | 24.9  | 19.7  | 29.5   |





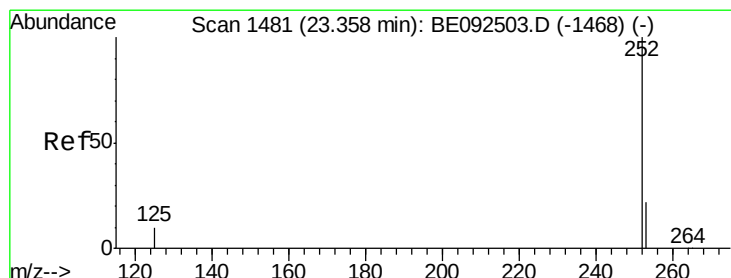
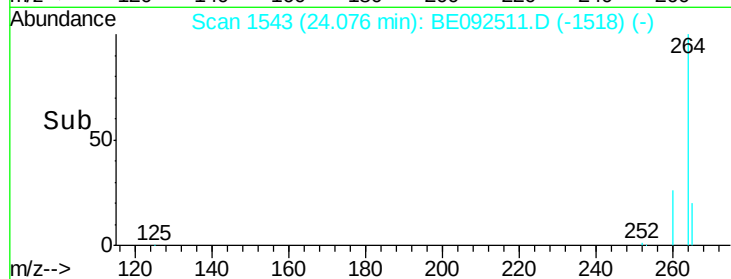
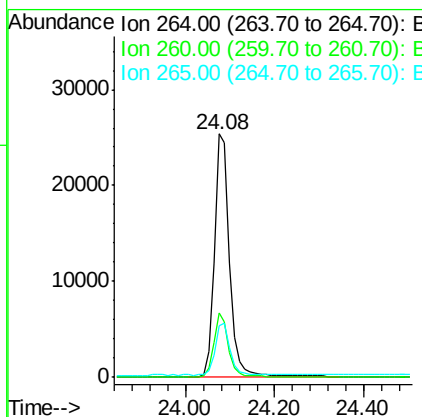
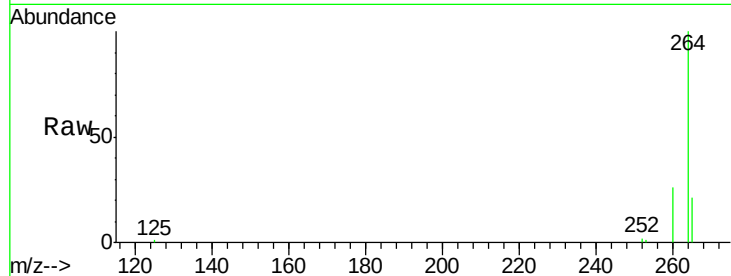
#31  
Pervlene-d12  
Concen: 5.00 ng  
RT: 24.08 min Scan# 1543  
Delta R.T. -0.01 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.2  | 20.1  | 30.1  |
| 265     | 21.2  | 17.9  | 26.9  |

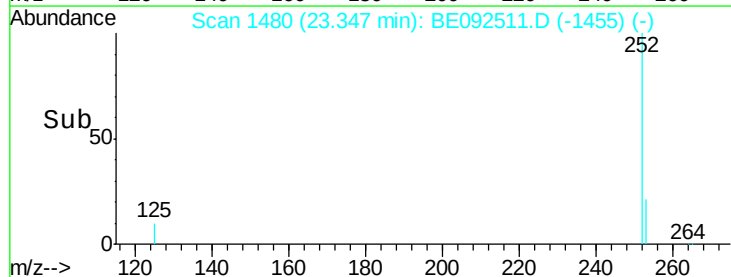
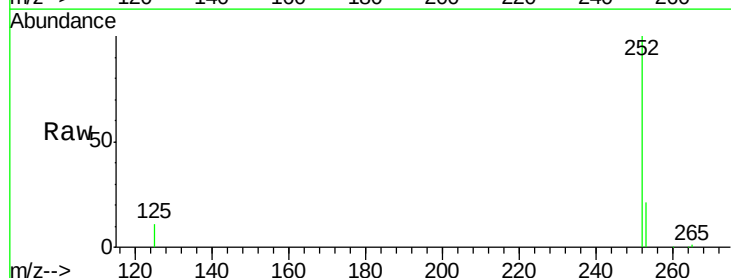
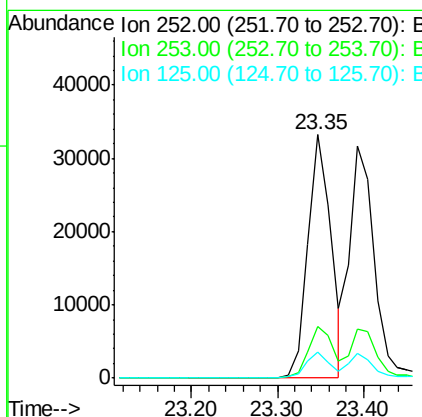
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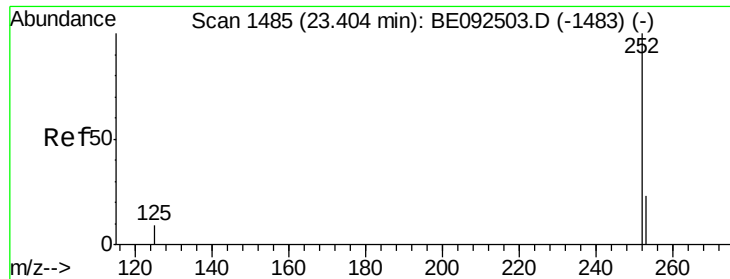
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#32  
Benzo(b)fluoranthene  
Concen: 4.00 ng  
RT: 23.35 min Scan# 1480  
Delta R.T. -0.01 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 18.7  | 28.1  |
| 125     | 10.5  | 10.5  | 15.7  |





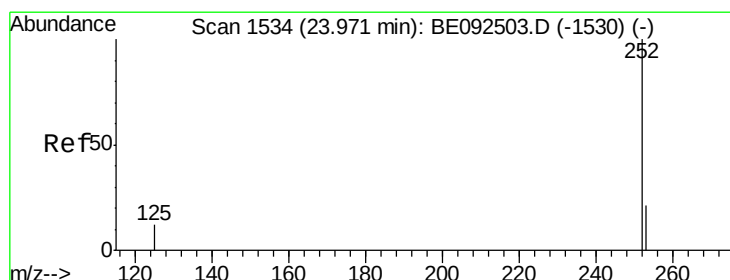
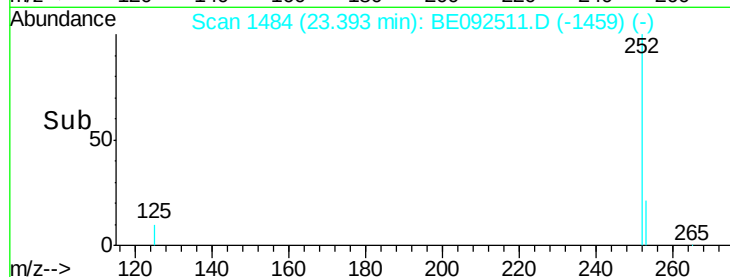
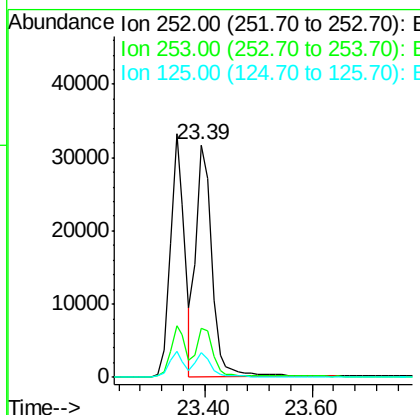
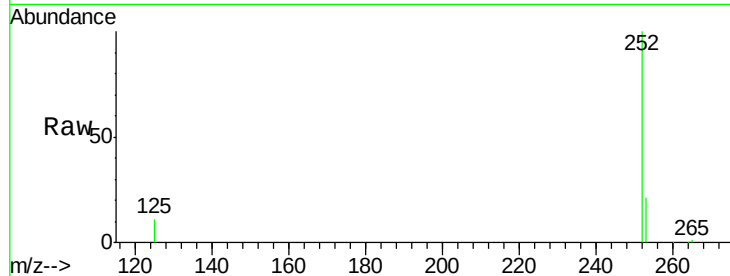
#33  
Benzo(k)fluoranthene  
Concen: 3.97 ng  
RT: 23.39 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.1  | 20.3  | 30.5  |
| 125     | 10.6  | 9.6   | 14.4  |

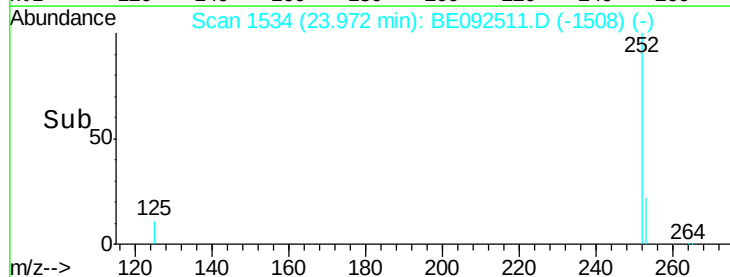
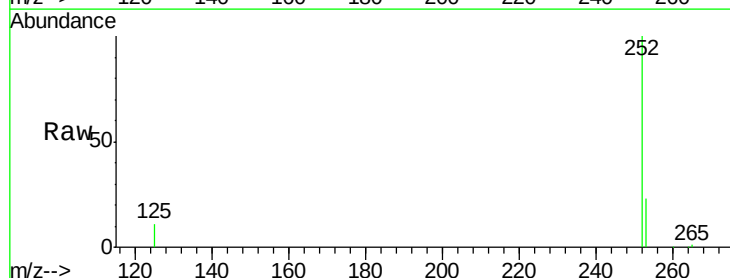
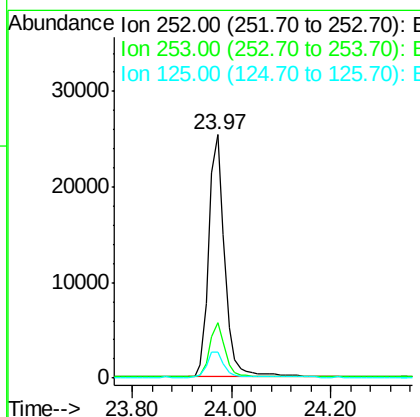
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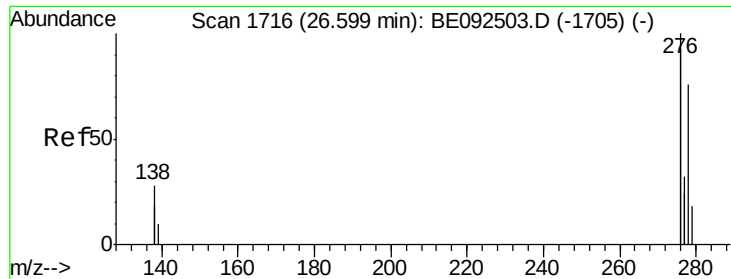
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#34  
Benzo(a)pyrene  
Concen: 3.70 ng  
RT: 23.97 min Scan# 1534  
Delta R.T. 0.00 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 19.0  | 28.6  |
| 125     | 10.9  | 11.8  | 17.8# |





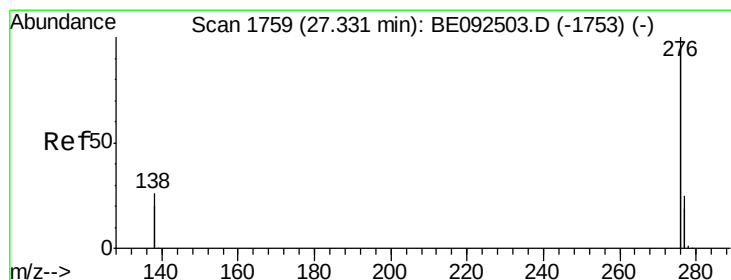
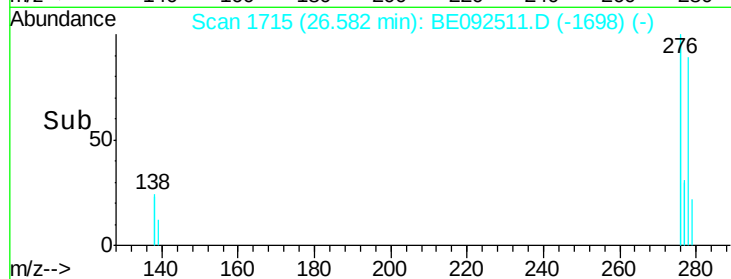
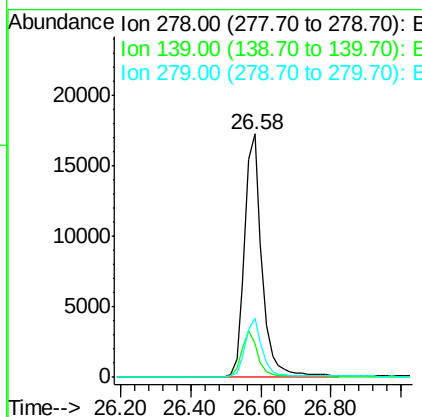
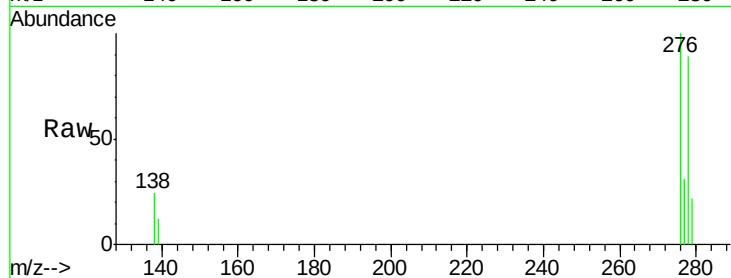
#35  
Dibenzo(a,h)anthracene  
Concen: 4.10 ng  
RT: 26.58 min Scan# 1715  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

Instrument :  
BNA\_E  
ClientSampleId :  
PB94535BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.7  | 13.8  | 20.8# |
| 279     | 24.5  | 21.4  | 32.2  |

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#36  
Benzo(g,h,i)perylene  
Concen: 4.13 ng  
RT: 27.31 min Scan# 1758  
Delta R.T. -0.02 min  
Lab File: BE092511.D  
Acq: 8 Nov 2016 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.1  | 19.8  | 29.8  |
| 138     | 24.3  | 19.8  | 29.6  |

