

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE103116\  
 Data File : BE092483.D  
 Acq On : 31 Oct 2016 17:15  
 Operator : UM/SJ  
 Sample : PB94457BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB94457BS

Manual Integrations  
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 11/1/2016 4:15:36 PM

Quant Time: Nov 01 11:08:16 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 25 15:25:33 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.17  | 152  | 10004    | 5.00  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.95 | 136  | 43774    | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.82 | 164  | 27483    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.56 | 188  | 50632    | 5.00  | ng    | -0.02    |
| 24) Chrysene-d12               | 21.75 | 240  | 73699    | 5.00  | ng    | 0.00     |
| 31) Perylene-d12               | 24.11 | 264  | 64764    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.66  | 112  | 20738    | 11.11 | ng    | -0.02    |
| 5) Phenol-d6                   | 7.34  | 99   | 27553    | 9.82  | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 9.32  | 82   | 14410    | 4.63  | ng    | -0.05    |
| 13) 2,4,6-Tribromophenol       | 16.31 | 330  | 7330     | 9.81  | ng    | -0.01    |
| 14) 2-Fluorobiphenyl           | 13.43 | 172  | 33120    | 4.95  | ng    | -0.01    |
| 26) Terphenyl-d14              | 20.17 | 244  | 45011    | 4.94  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.41  | 88   | 4470     | 4.17  | ng    | # 73     |
| 3) n-Nitrosodimethylamine      | 3.75  | 42   | 7806     | 4.65  | ng    | # 89     |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93   | 13000    | 4.57  | ng    | # 28     |
| 9) Naphthalene                 | 10.99 | 128  | 42470    | 4.49  | ng    | # 94     |
| 10) Hexachlorobutadiene        | 11.28 | 225  | 6411     | 4.42  | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.62 | 142  | 27976    | 4.58  | ng    | # 84     |
| 15) Acenaphthylene             | 14.53 | 152  | 184951   | 4.71  | ng    | 100      |
| 16) Acenaphthene               | 14.87 | 154  | 27331    | 4.36  | ng    | 89       |
| 17) Fluorene                   | 15.86 | 166  | 36104    | 4.81  | ng    | 98       |
| 19) Hexachlorobenzene          | 16.89 | 284  | 10463    | 4.62  | ng    | # 63     |
| 20) Pentachlorophenol          | 17.23 | 266  | 8686     | 13.89 | ng    | 85       |
| 21) Phenanthrene               | 17.60 | 178  | 66092    | 5.05  | ng    | # 94     |
| 22) Anthracene                 | 17.69 | 178  | 64687    | 5.49  | ng    | 99       |
| 23) Fluoranthene               | 19.61 | 202  | 281416   | 5.43  | ng    | 100      |
| 25) Pyrene                     | 19.97 | 202  | 299968   | 4.67  | ng    | 99       |
| 27) Benzo(a)anthracene         | 21.72 | 228  | 333112m  | 4.89  | ng    |          |
| 28) Chrysene                   | 21.77 | 228  | 349940m  | 4.88  | ng    |          |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 38156    | 4.69  | ng    | # 76     |
| 30) Indeno(1,2,3-cd)pyrene     | 26.60 | 276  | 346065   | 5.48  | ng    | 97       |
| 32) Benzo(b)fluoranthene       | 23.37 | 252  | 75790    | 4.70  | ng    | 94       |
| 33) Benzo(k)fluoranthene       | 23.43 | 252  | 83858    | 5.24  | ng    | 96       |
| 34) Benzo(a)pyrene             | 24.00 | 252  | 76330    | 5.23  | ng    | 94       |
| 35) Dibenzo(a,h)anthracene     | 26.62 | 278  | 71780    | 5.26  | ng    | 94       |
| 36) Benzo(g,h,i)perylene       | 27.37 | 276  | 296491   | 5.04  | ng    | 98       |

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

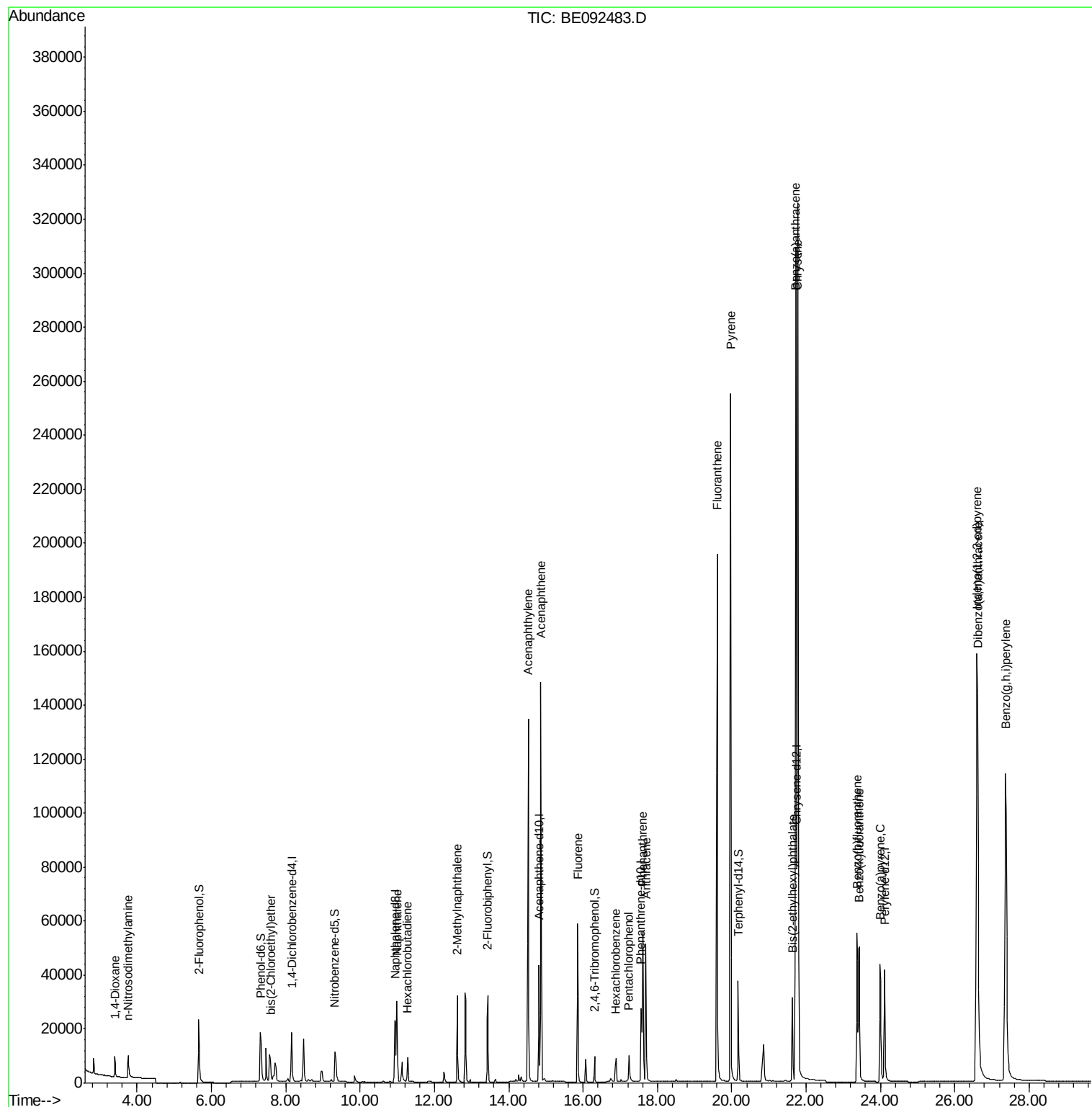
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE103116\  
Data File : BE092483.D  
Acq On : 31 Oct 2016 17:15  
Operator : UM/SJ  
Sample : PB94457BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

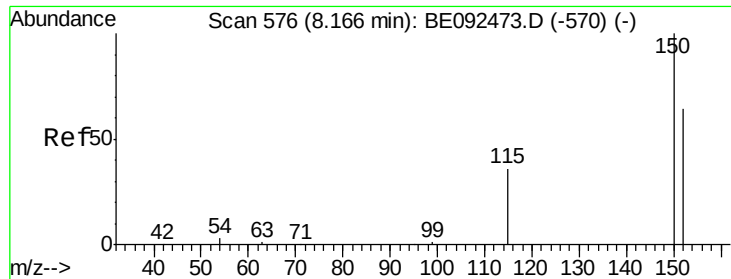
Instrument :  
BNA\_E  
ClientSampleId :  
PB94457BS

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Quant Time: Nov 01 11:08:16 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE102516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 25 15:25:33 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

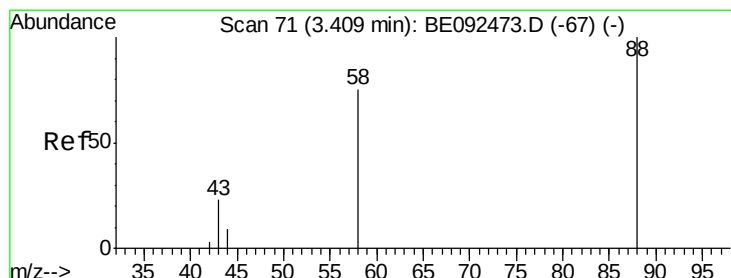
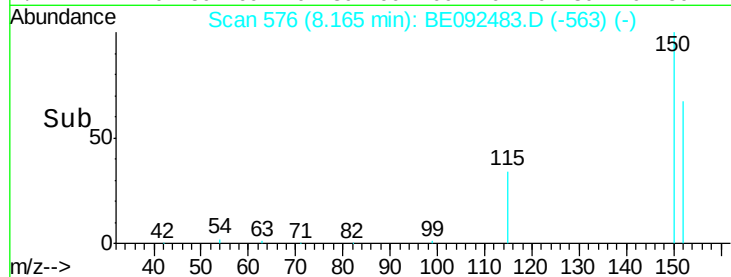
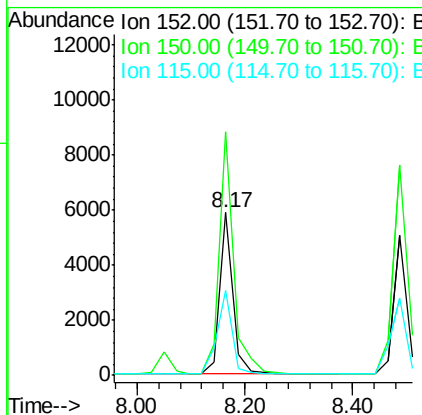
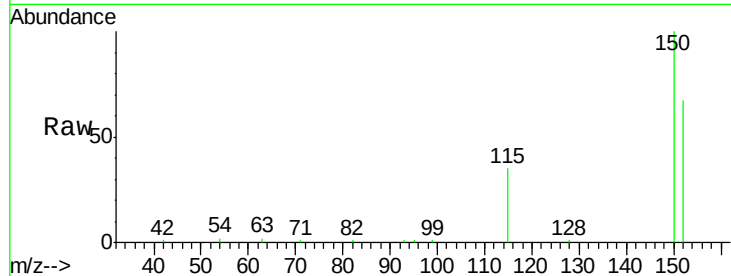
ClientSampleId :

PB94457BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.5 | 106.0 | 159.0 |
| 115     | 52.1  | 31.2  | 46.8  |

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#2

1,4-Dioxane

Concen: 4.17 ng

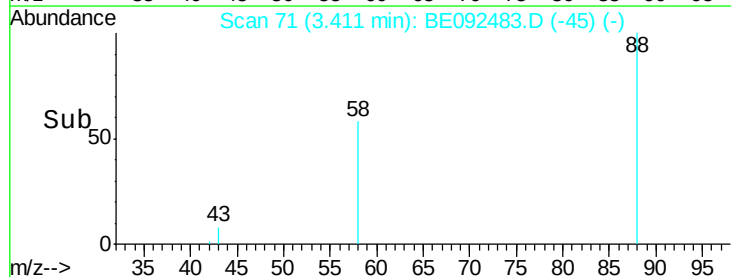
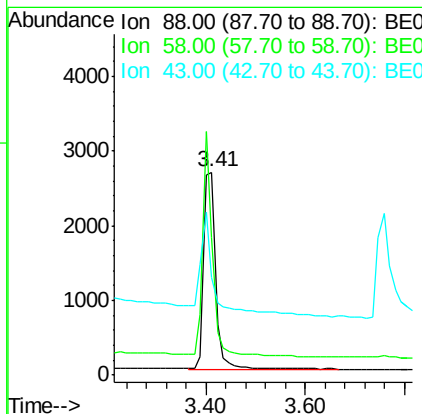
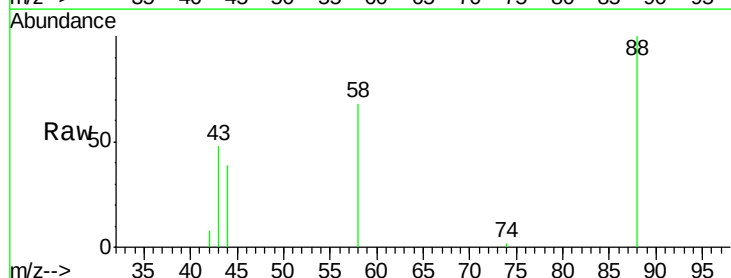
RT: 3.41 min Scan# 71

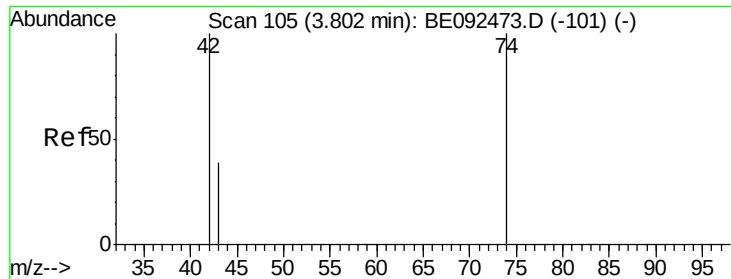
Delta R.T. 0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 94.4  | 63.6  | 95.4  |
| 43      | 64.4  | 28.0  | 42.0  |





#3

n-Nitrosodimethylamine

Concen: 4.65 ng

RT: 3.75 min Scan# 100

Delta R.T. -0.06 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

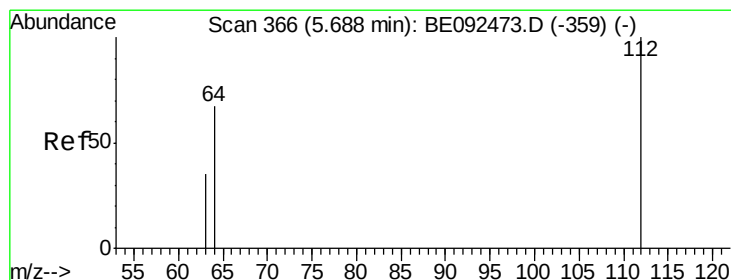
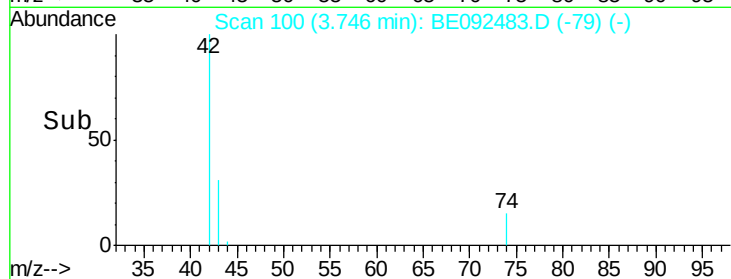
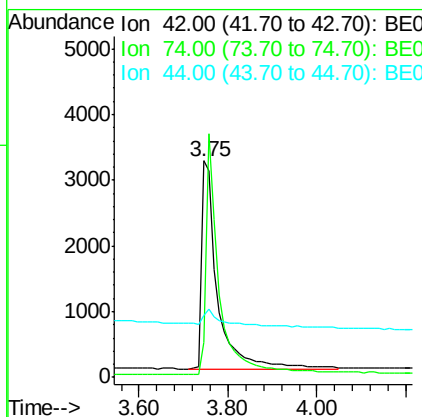
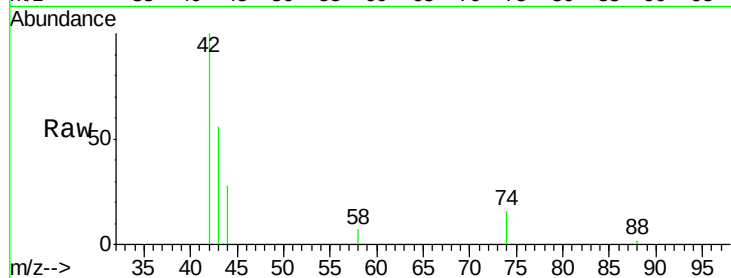
ClientSampleId :

PB94457BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 7806  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 97.4  | 86.0  | 129.0 |
| 44        | 15.5  | 5.1   | 7.7#  |

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#4

2-Fluorophenol

Concen: 11.11 ng

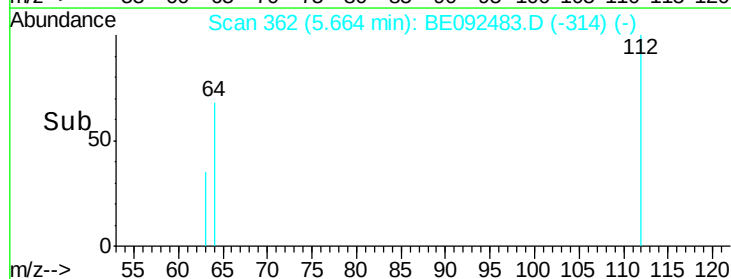
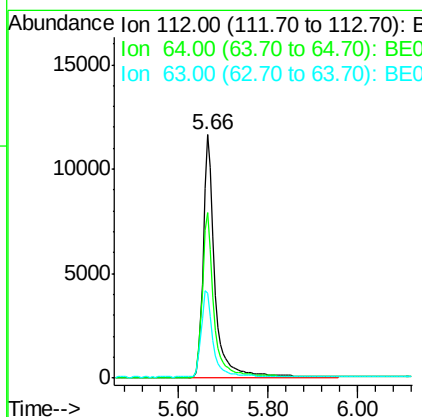
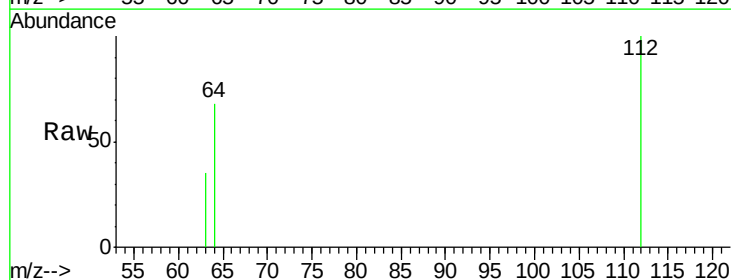
RT: 5.66 min Scan# 362

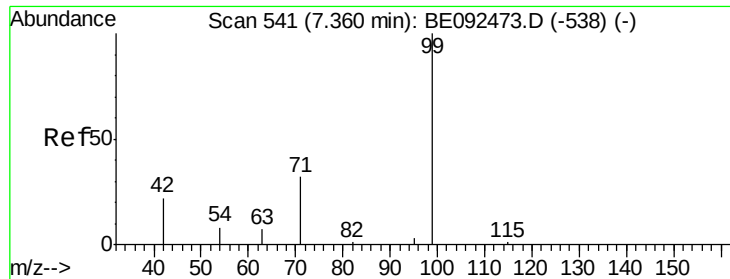
Delta R.T. -0.02 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 20738 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 68.4  | 53.5  | 80.3  |
| 63        | 36.7  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 9.82 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

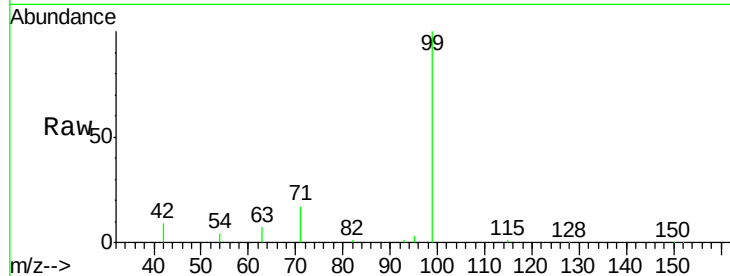
ClientSampled :

PB94457BS

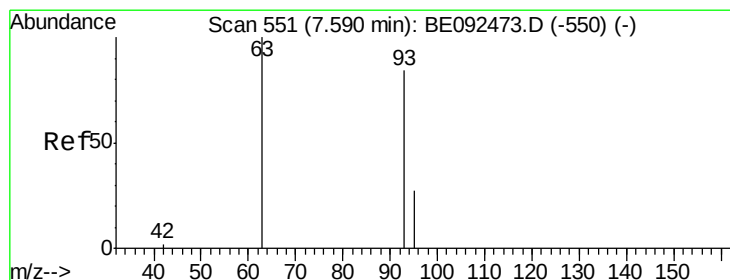
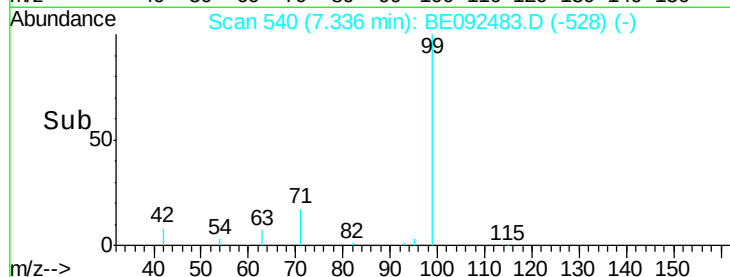
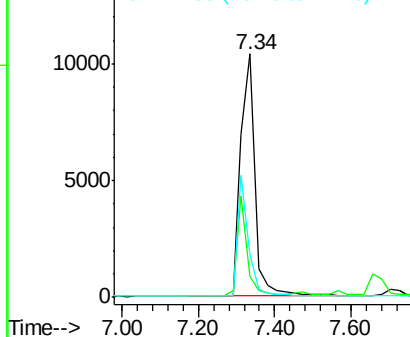
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 27553 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 16.0  | 24.0# |
| 71        | 0.0   | 30.6  | 45.8# |

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



#6

bis(2-Chloroethyl)ether

Concen: 4.57 ng

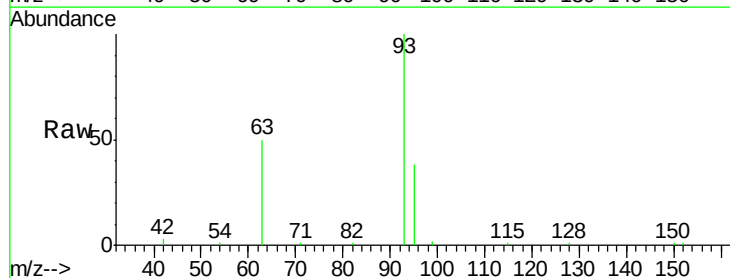
RT: 7.59 min Scan# 551

Delta R.T. -0.00 min

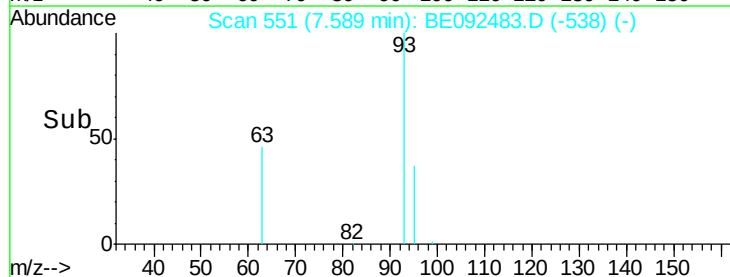
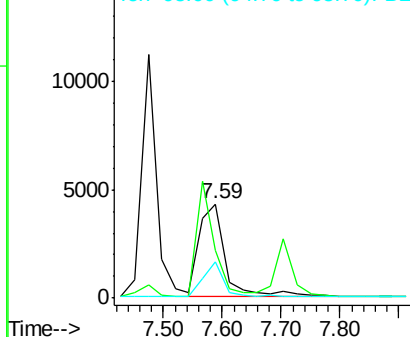
Lab File: BE092483.D

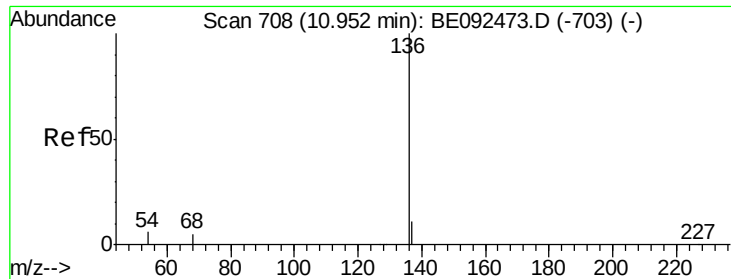
Acq: 31 Oct 2016 17:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 13000  |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 0.0   | 71.6  | 107.4# |
| 95        | 31.3  | 24.0  | 36.0   |



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





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

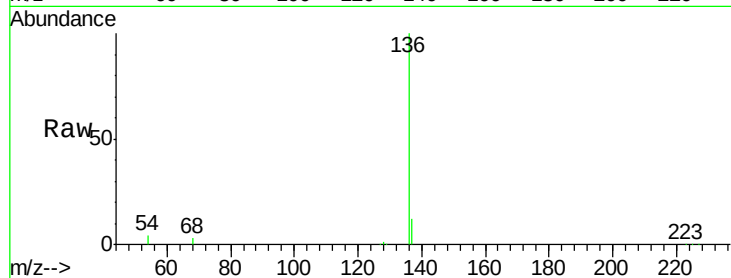
ClientSampled :

PB94457BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 43774 |       |       |
| 137     | 12.3  | 8.2   | 12.4  |       |
| 54      | 4.3   | 9.6   | 14.4  |       |
| 68      | 3.5   | 6.7   | 10.1  |       |

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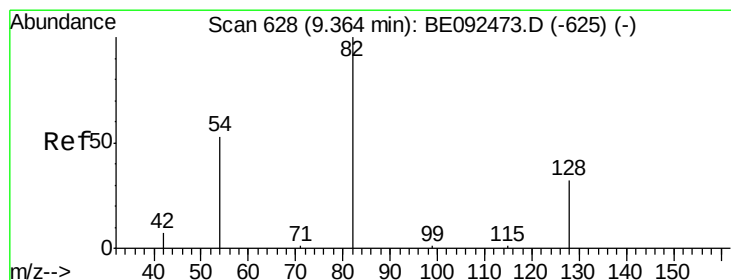
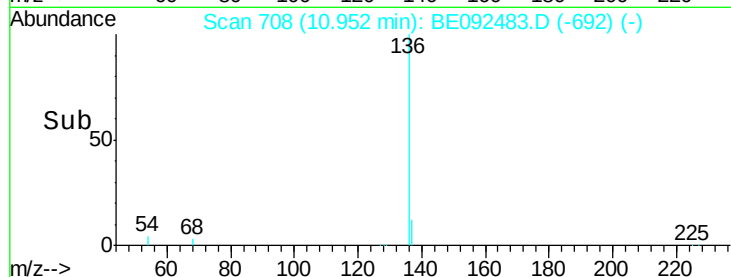
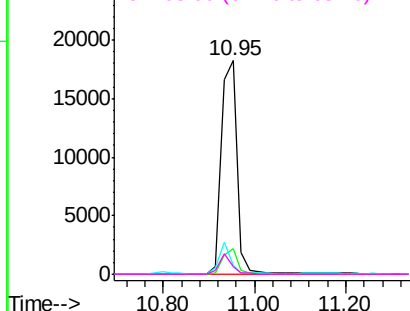


Abundance Ion 136.00 (135.70 to 136.70): BE092483.D (-692) (-)

Ion 137.00 (136.70 to 137.70): BE092483.D (-692) (-)

Ion 54.00 (53.70 to 54.70): BE092483.D (-692) (-)

Ion 68.00 (67.70 to 68.70): BE092483.D (-692) (-)



#8

Nitrobenzene-d5

Concen: 4.63 ng

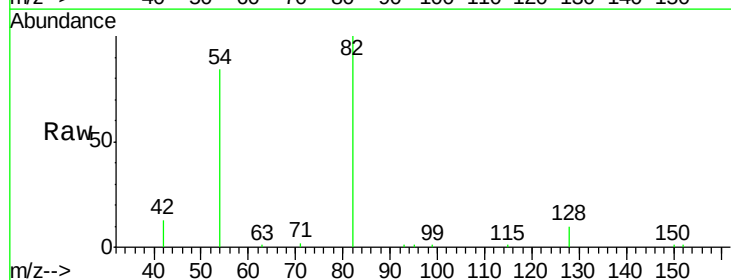
RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

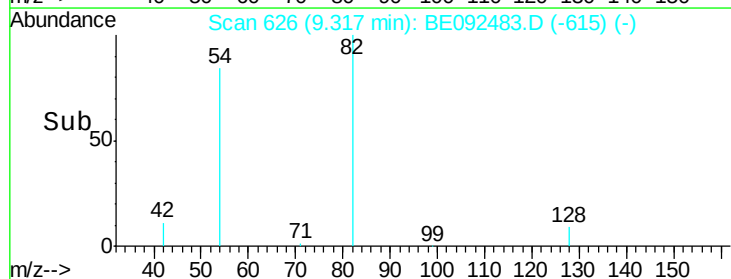
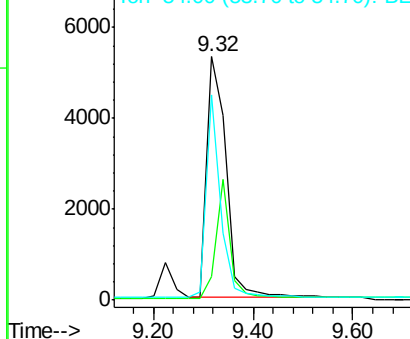
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   | 14410 |       |       |
| 128     | 9.8   | 39.0  | 58.4  |       |
| 54      | 84.5  | 44.8  | 67.2  |       |

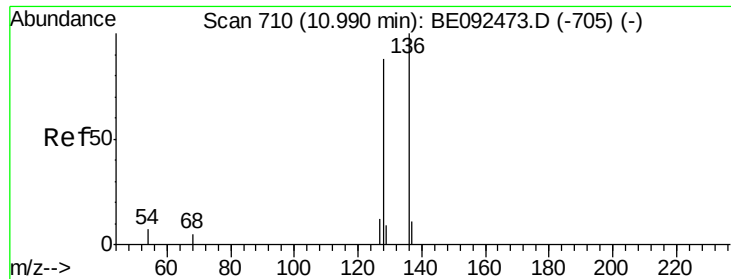


Abundance Ion 82.00 (81.70 to 82.70): BE092483.D (-615) (-)

Ion 128.00 (127.70 to 128.70): BE092483.D (-615) (-)

Ion 54.00 (53.70 to 54.70): BE092483.D (-615) (-)





#9

Naphthalene

Concen: 4.49 ng

RT: 10.99 min Scan# 710

Delta R.T. 0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

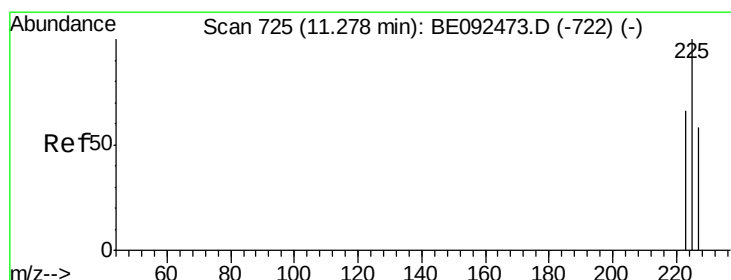
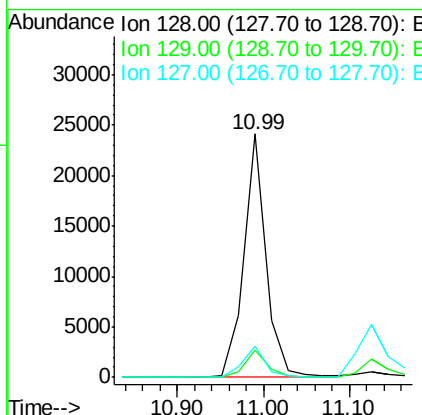
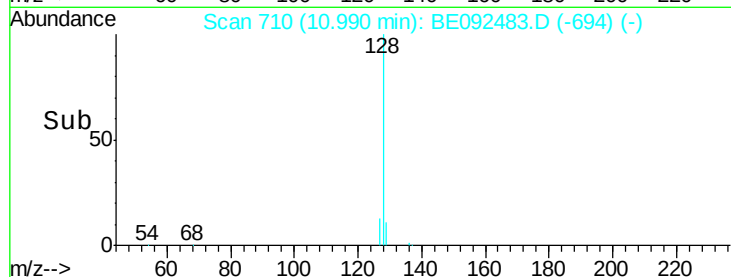
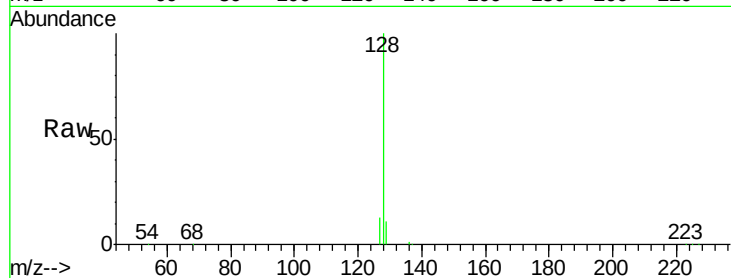
ClientSampleId :

PB94457BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 42470 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.0  | 11.2  | 16.8# |
| 127       | 12.8  | 11.6  | 17.4  |

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#10

Hexachlorobutadiene

Concen: 4.42 ng

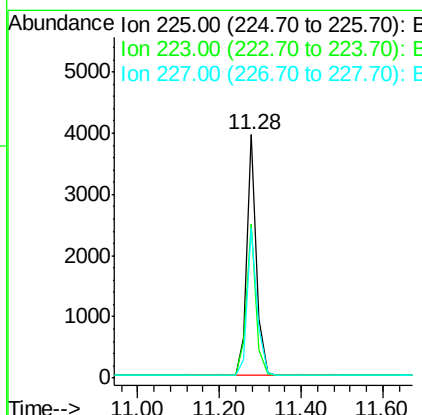
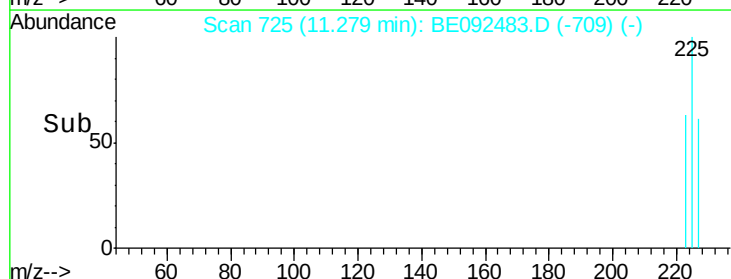
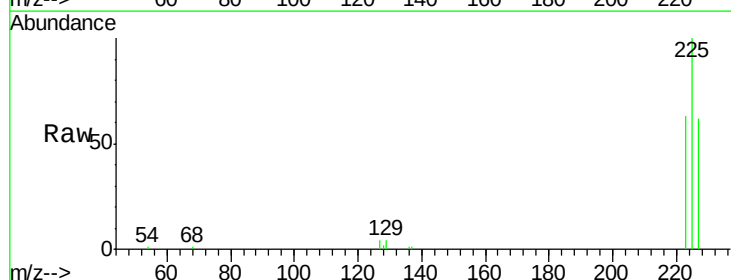
RT: 11.28 min Scan# 725

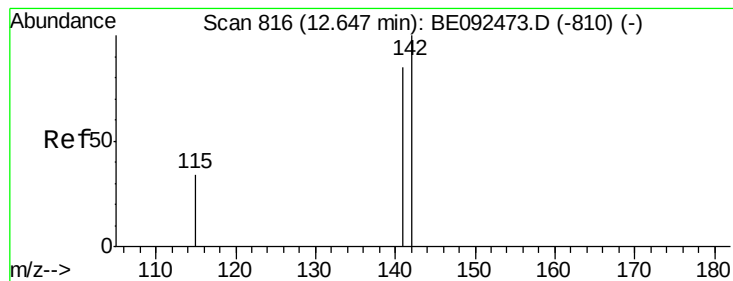
Delta R.T. 0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 6411 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 62.7  | 50.6  | 76.0 |
| 227       | 63.2  | 51.4  | 77.0 |





#11

2-Methylnaphthalene

Concen: 4.58 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

ClientSampleId :

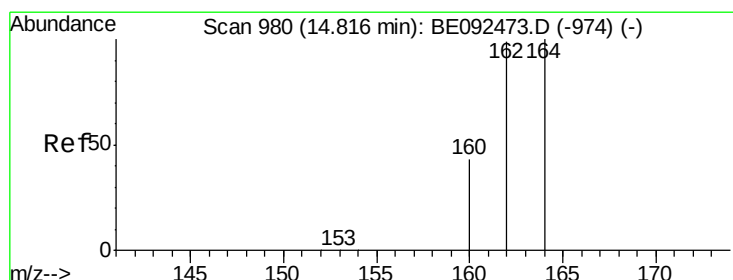
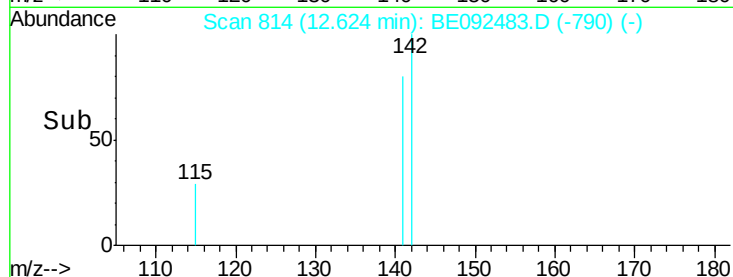
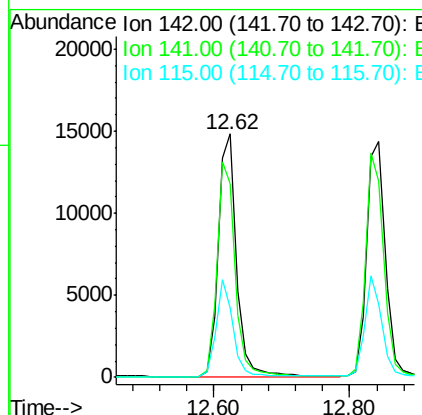
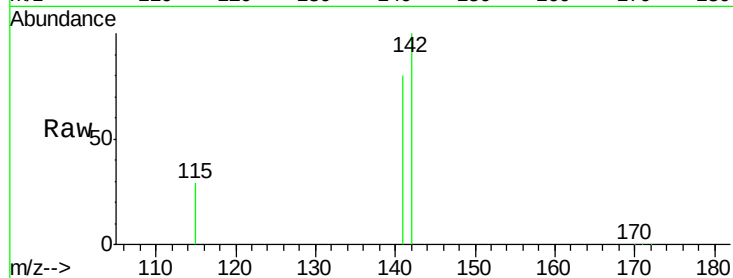
PB94457BS

Tgt Ion:142 Resp: 27976

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 79.6  | 73.7  | 110.5 |
| 115 | 28.7  | 34.0  | 51.0# |

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

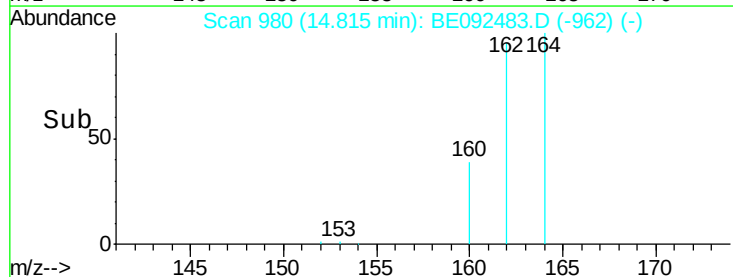
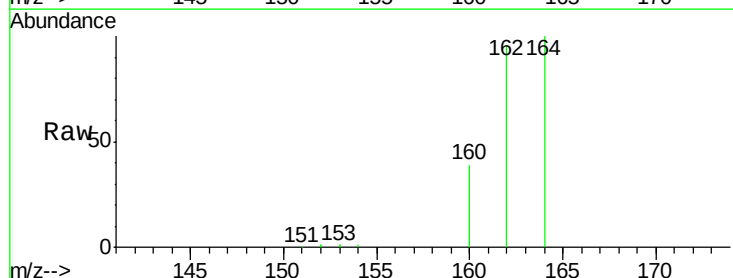
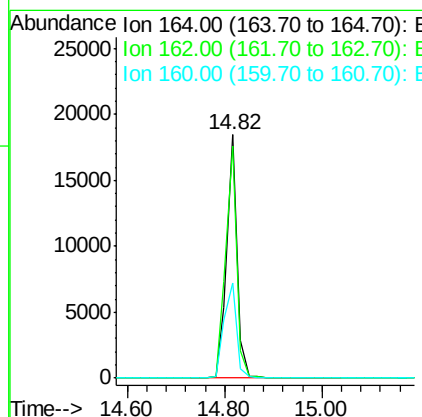
Delta R.T. -0.00 min

Lab File: BE092483.D

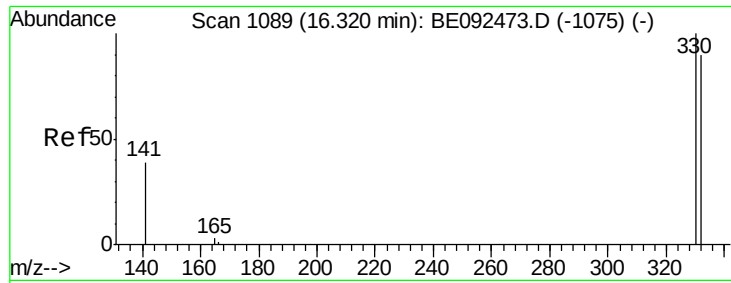
Acq: 31 Oct 2016 17:15

Tgt Ion:164 Resp: 27483

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 95.2  | 71.4  | 107.0 |
| 160 | 39.1  | 27.4  | 41.2  |







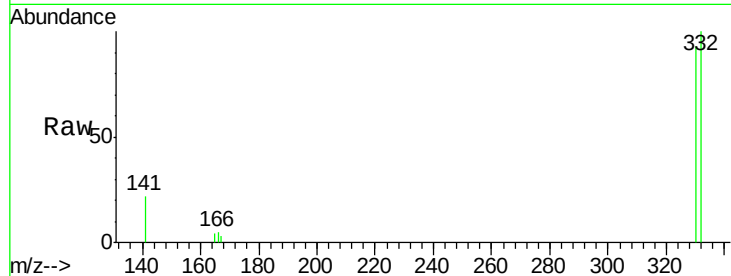
#13  
 2,4,6-Tribromophenol  
 Concen: 9.81 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB94457BS

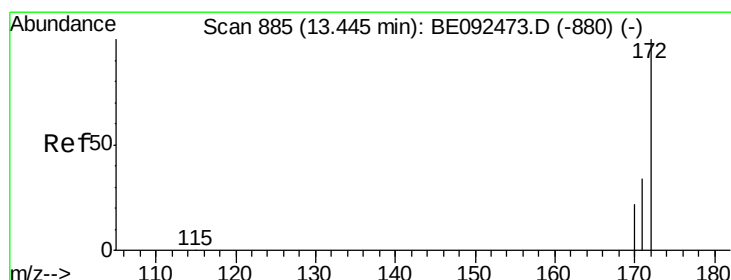
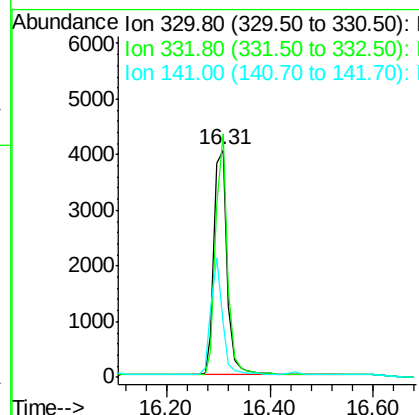
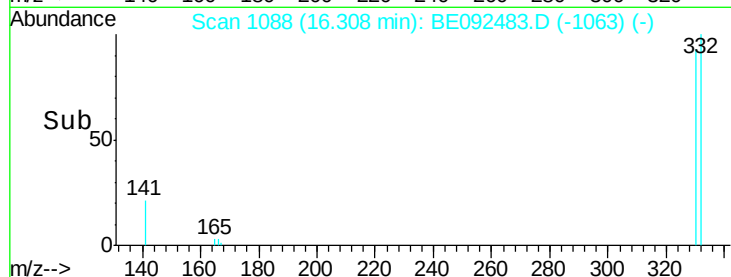
Tgt Ion: 330 Resp: 7330  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 75.4 113.0  
 141 44.3 31.0 46.6

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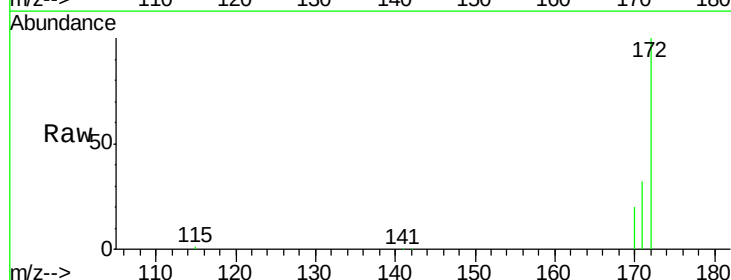


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

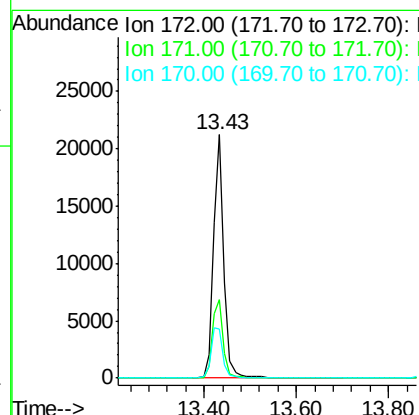
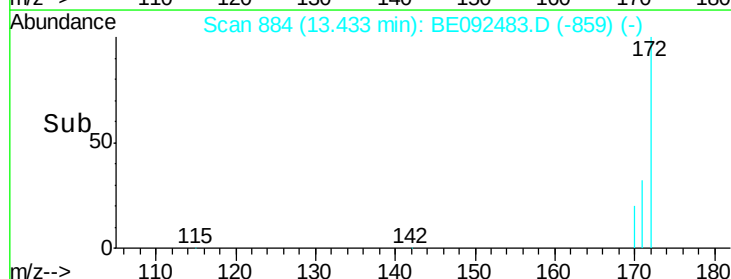


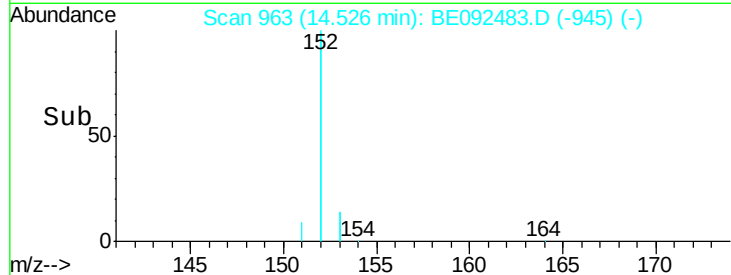
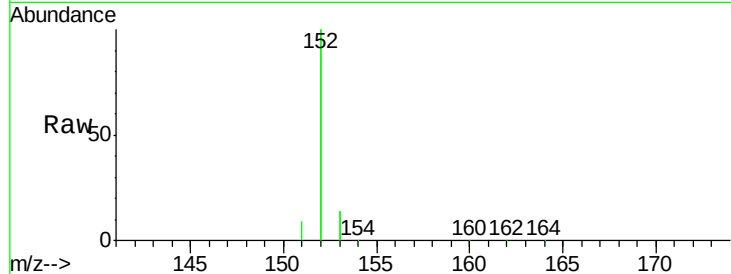
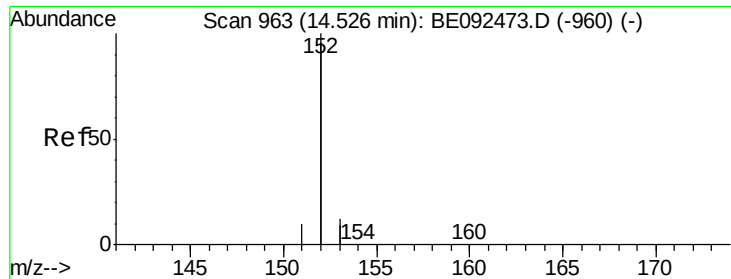
#14  
 2-Fluorobiphenyl  
 Concen: 4.95 ng  
 RT: 13.43 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

Tgt Ion: 172 Resp: 33120  
 Ion Ratio Lower Upper  
 172 100  
 171 32.2 30.1 45.1  
 170 20.2 21.8 32.6#



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





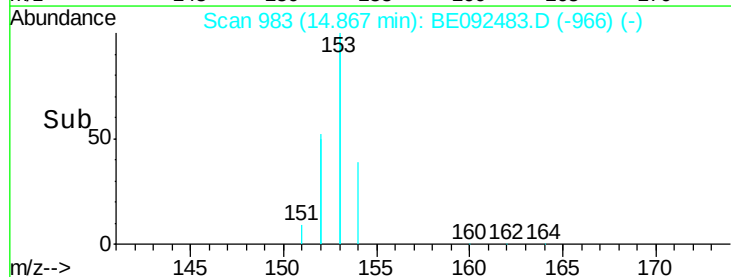
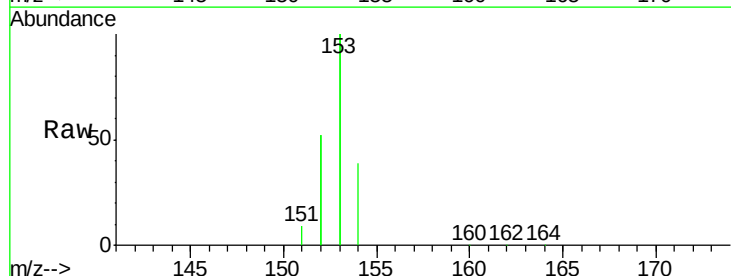
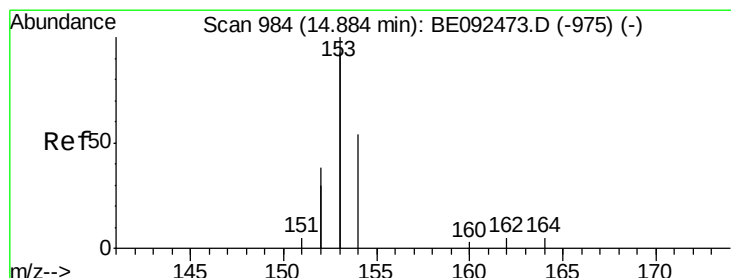
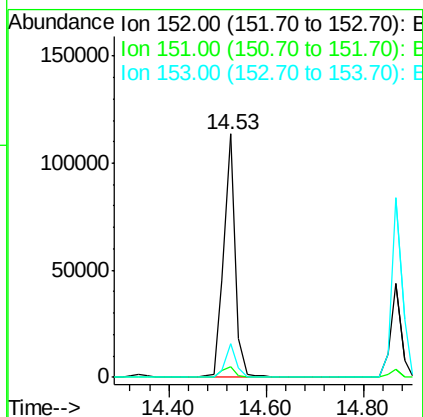
#15  
Acenaphthylene  
Concen: 4.71 ng  
RT: 14.53 min Scan# 963  
Delta R.T. -0.00 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 184951 |       |       |
| 151     | 4.9   |        | 3.9   | 5.9   |
| 153     | 13.0  |        | 10.4  | 15.6  |

Instrument :  
BNA\_E  
ClientSampleId :  
PB94457BS

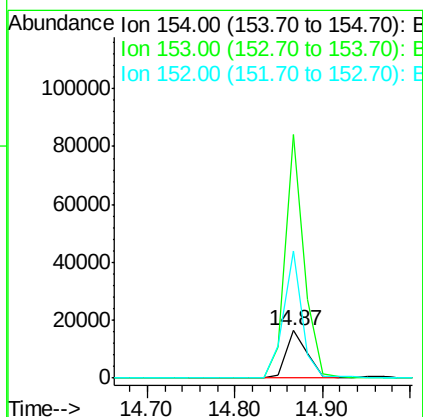
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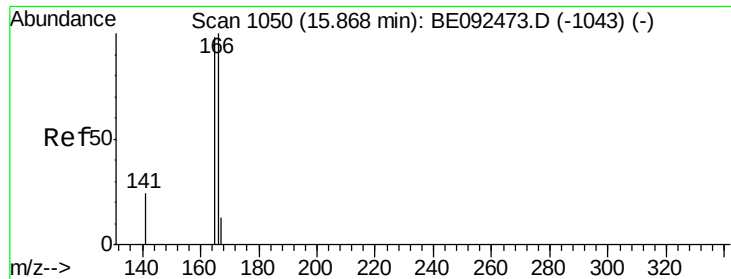
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#16  
Acenaphthene  
Concen: 4.36 ng  
RT: 14.87 min Scan# 983  
Delta R.T. -0.02 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 27331 |       |       |
| 153     | 462.0 |       | 350.8 | 526.2 |
| 152     | 238.0 |       | 171.1 | 256.7 |





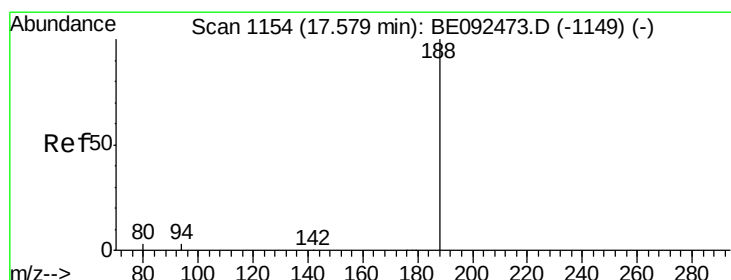
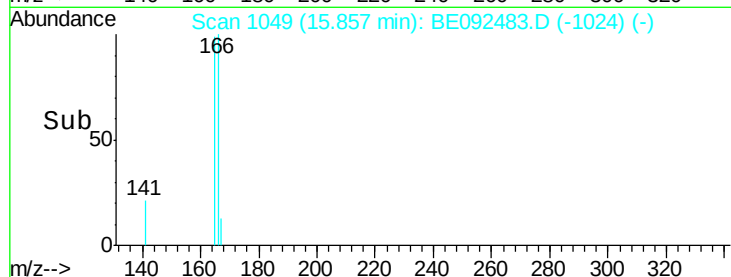
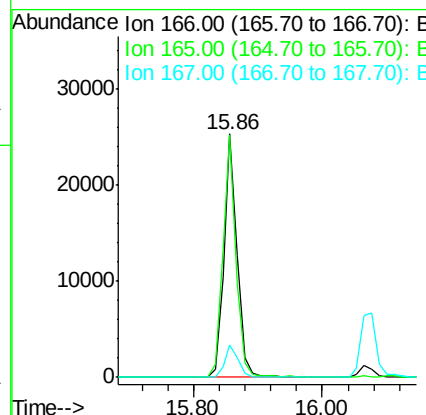
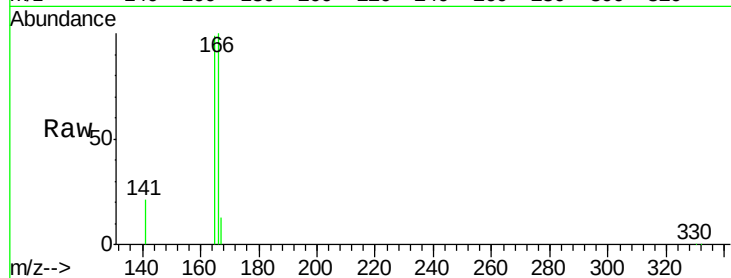
#17  
**Fluorene**  
 Concen: 4.81 ng  
 RT: 15.86 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB94457BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.8  | 78.2  | 117.4 |
| 167     | 13.4  | 11.0  | 16.4  |

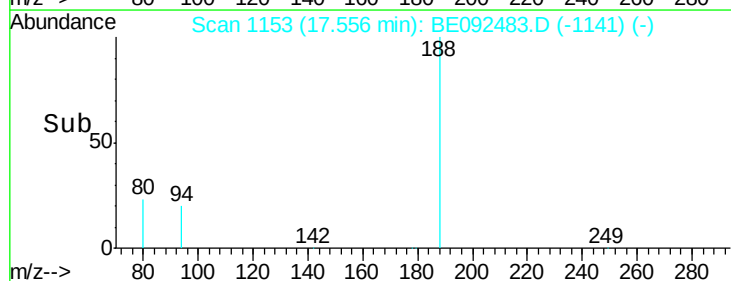
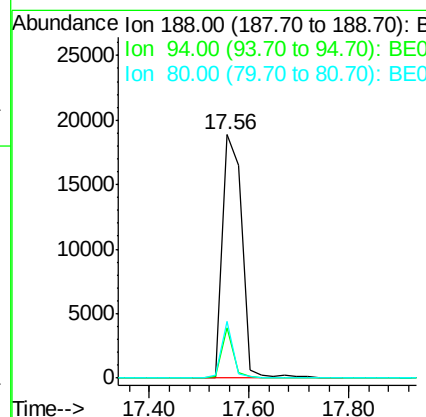
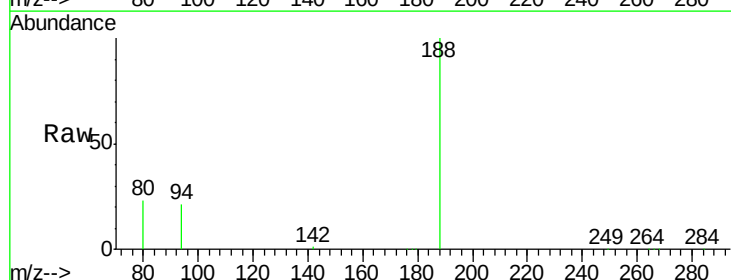
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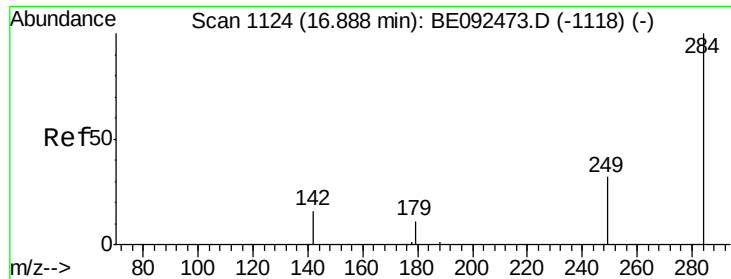
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#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.56 min Scan# 1153  
 Delta R.T. -0.02 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 20.5  | 3.2   | 4.8#  |
| 80      | 23.2  | 2.6   | 3.8#  |





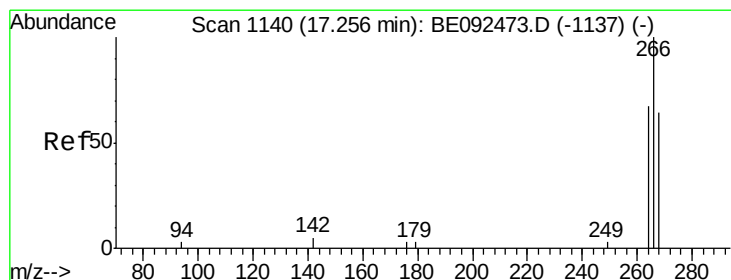
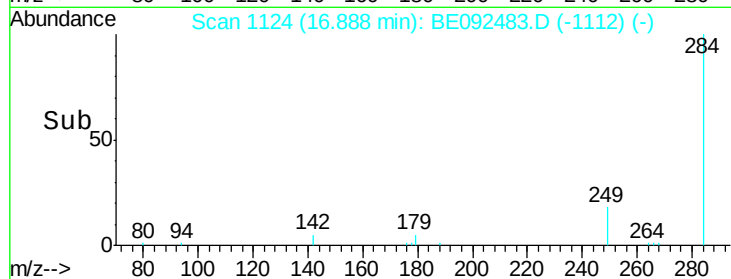
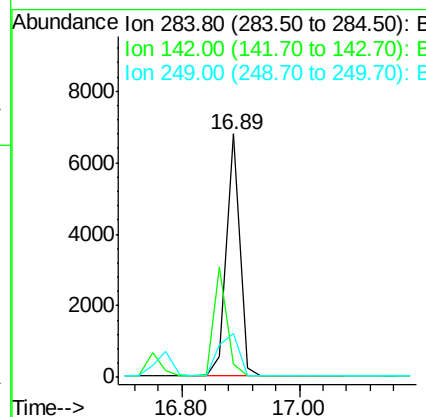
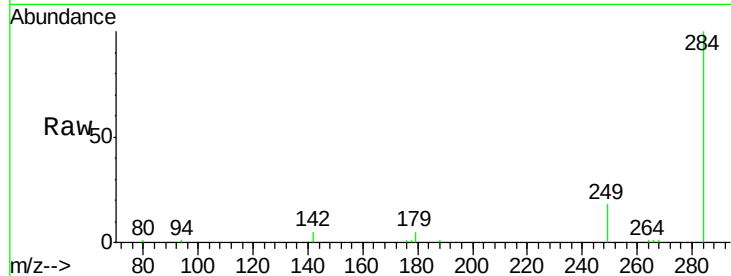
#19  
Hexachlorobenzene  
Concen: 4.62 ng  
RT: 16.89 min Scan# 1124  
Delta R.T. 0.00 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
PB94457BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 29.1  | 43.7# |
| 249     | 28.6  | 27.9  | 41.9  |

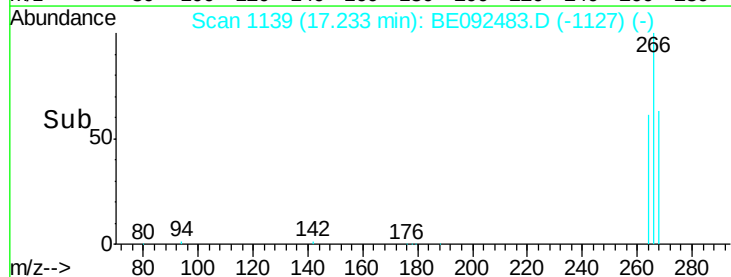
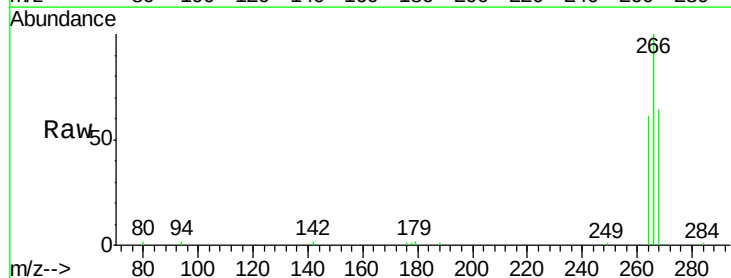
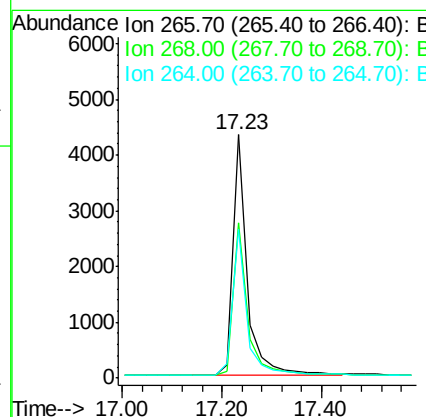
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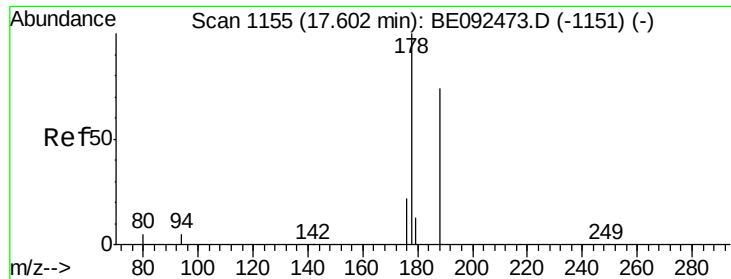
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#20  
Pentachlorophenol  
Concen: 13.89 ng  
RT: 17.23 min Scan# 1139  
Delta R.T. -0.02 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 62.5  | 93.7  |
| 264     | 61.0  | 57.2  | 85.8  |





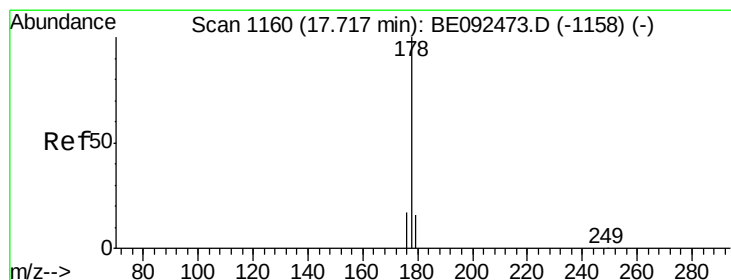
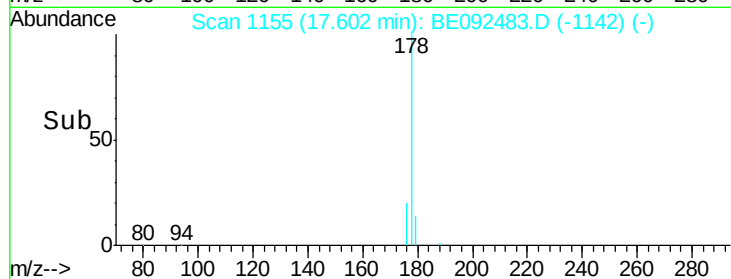
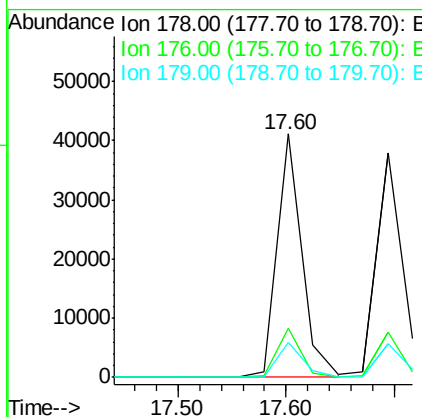
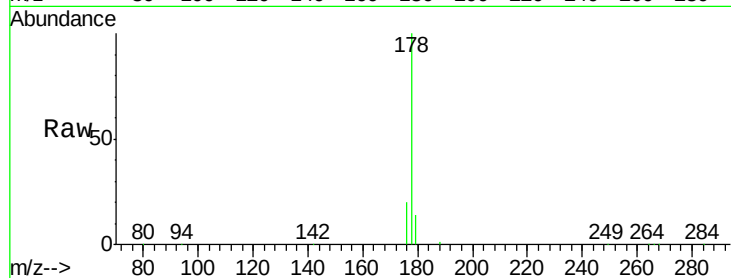
#21  
Phenanthrene  
Concen: 5.05 ng  
RT: 17.60 min Scan# 1155  
Delta R.T. 0.00 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

Instrument :  
BNA\_E  
ClientSampled :  
PB94457BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 15.0  | 16.0  | 24.0  |

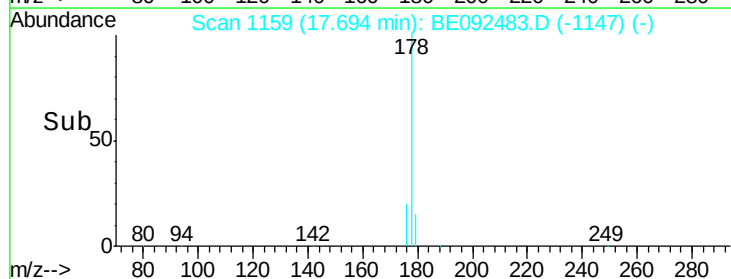
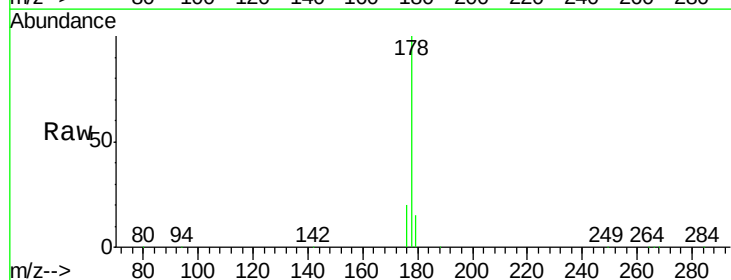
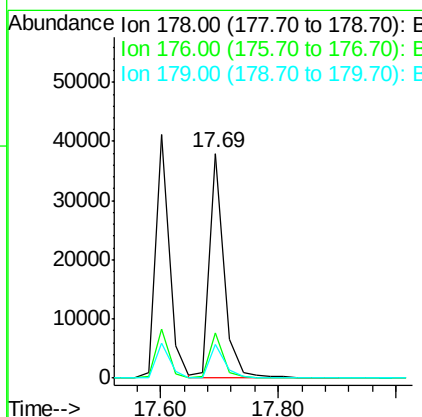
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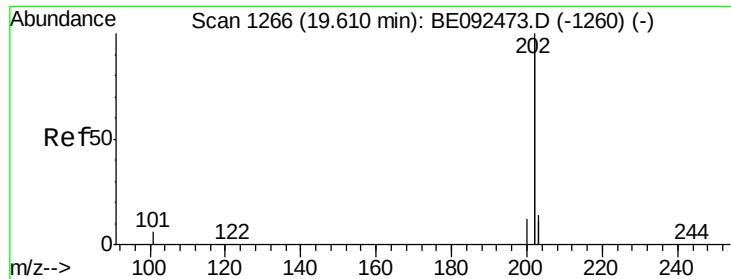
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#22  
Anthracene  
Concen: 5.49 ng  
RT: 17.69 min Scan# 1159  
Delta R.T. -0.02 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.0  | 22.4  |
| 179     | 15.2  | 12.2  | 18.2  |





#23

Fluoranthene

Concen: 5.43 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

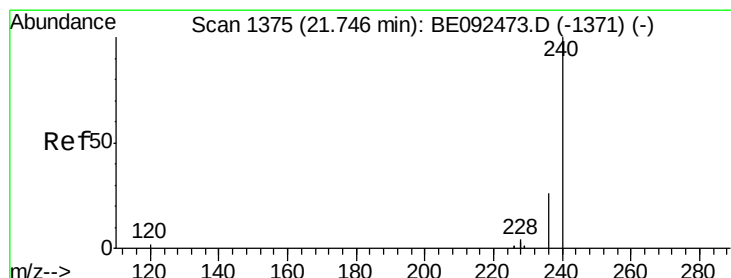
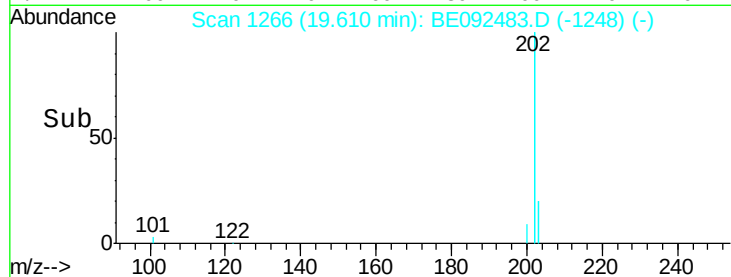
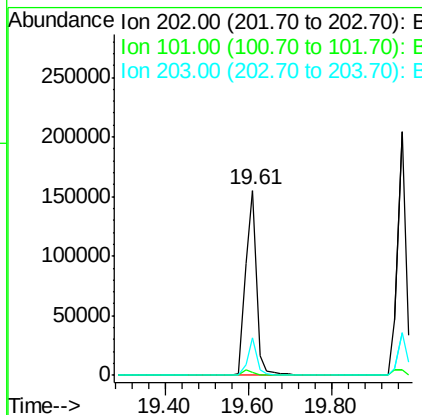
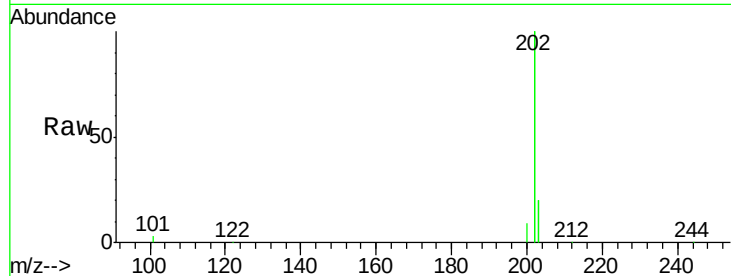
ClientSampleId :

PB94457BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 281416 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 2.9   | 2.2   | 3.4    |
| 203       | 17.2  | 13.7  | 20.5   |

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#24

Chrysene-d12

Concen: 5.00 ng

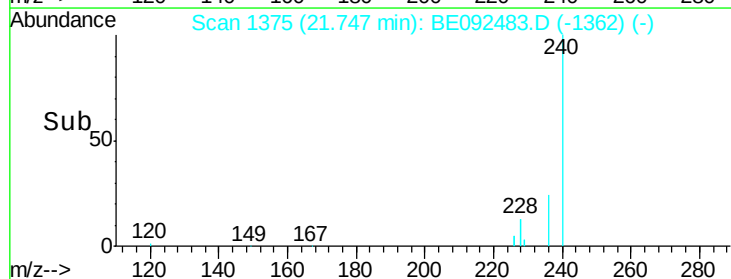
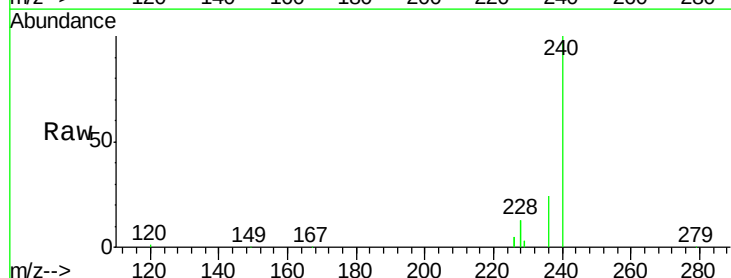
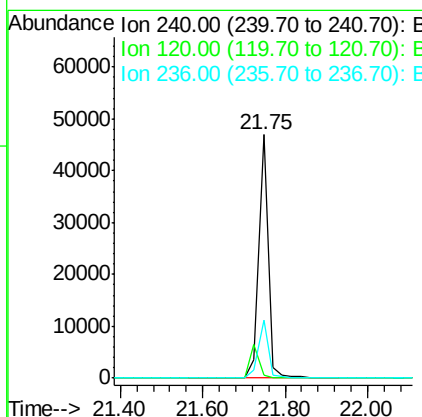
RT: 21.75 min Scan# 1375

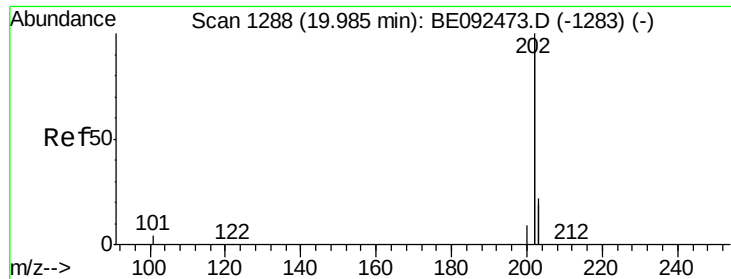
Delta R.T. 0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 73699 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 1.0   | 2.6   | 4.0#  |
| 236       | 23.6  | 24.6  | 37.0# |





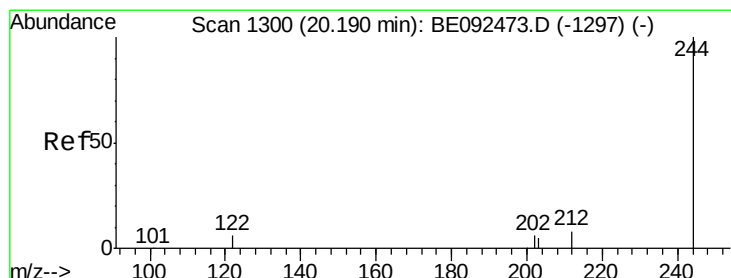
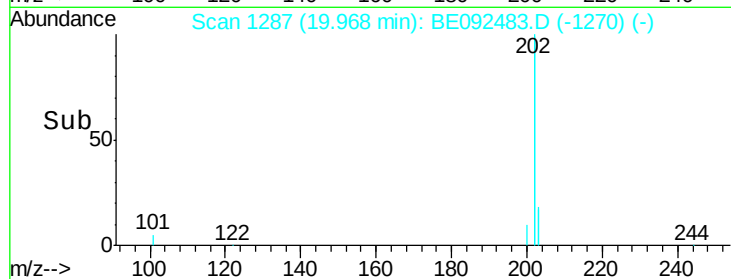
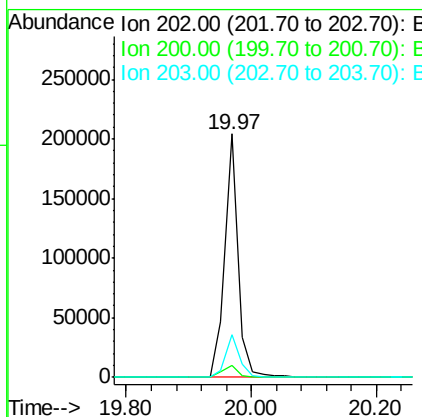
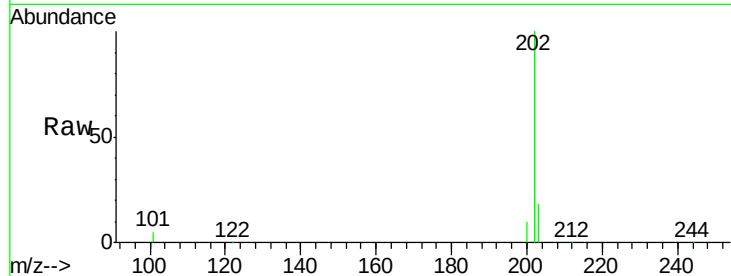
#25  
 Pyrene  
 Concen: 4.67 ng  
 RT: 19.97 min Scan# 1287  
 Delta R.T. -0.02 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

Instrument :  
 BNA\_E  
 ClientSampled :  
 PB94457BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 299968 |       |       |
| 200     | 5.3   | 4.2    | 6.4   |       |
| 203     | 18.2  | 13.9   | 20.9  |       |

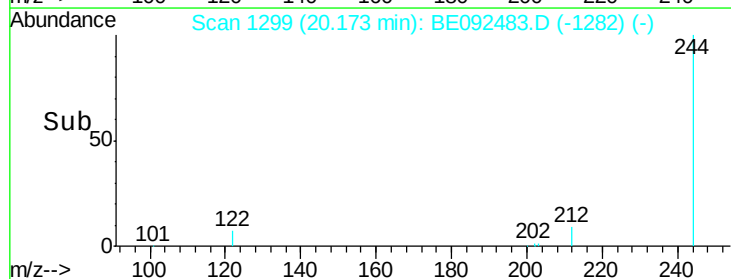
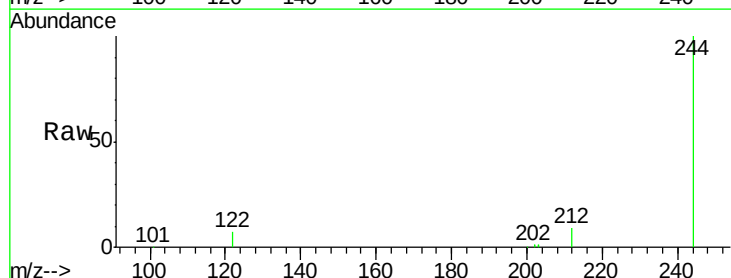
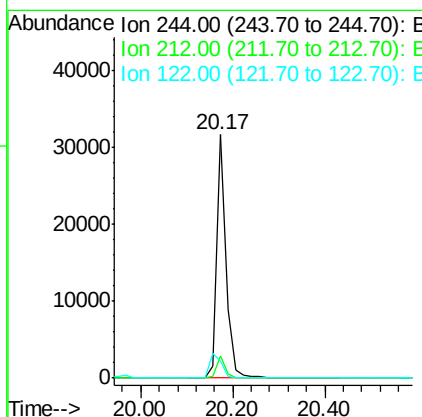
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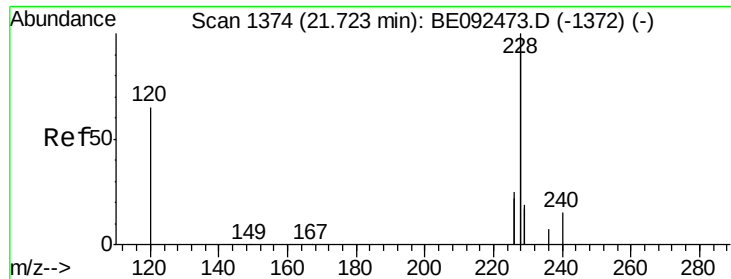
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#26  
 Terphenyl-d14  
 Concen: 4.94 ng  
 RT: 20.17 min Scan# 1299  
 Delta R.T. -0.02 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 244     | 100   | 45011 |       |       |
| 212     | 9.1   | 6.7   | 10.1  |       |
| 122     | 6.9   | 3.6   | 5.4#  |       |





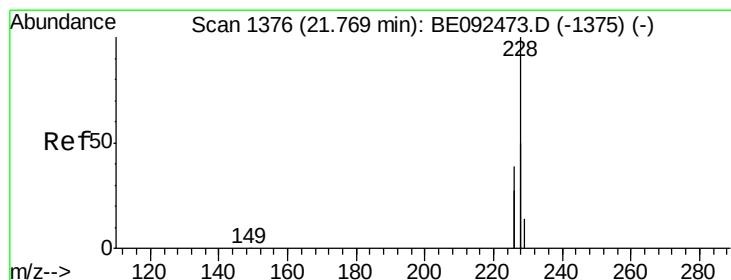
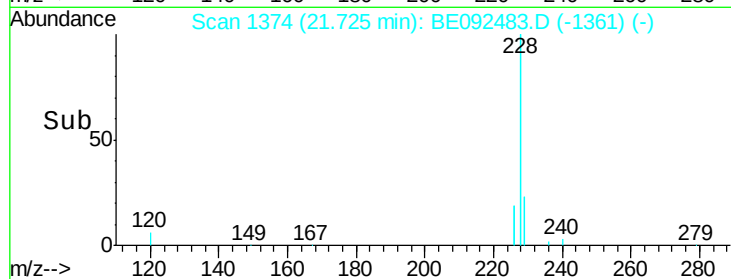
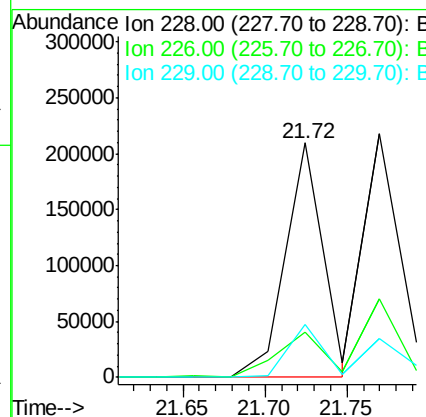
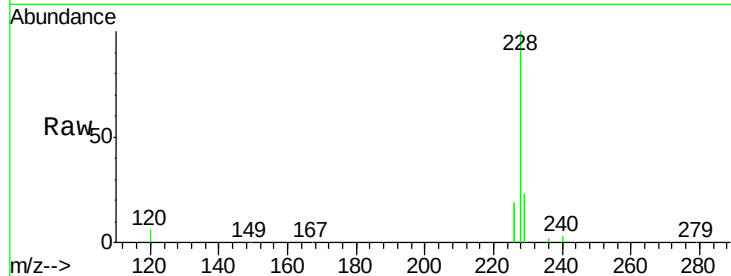
#27  
Benzo(a)anthracene  
Concen: 4.89 ng m  
RT: 21.72 min Scan# 1374  
Delta R.T. 0.00 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
PB94457BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 333112 |       |       |
| 226     | 19.3  | 23.6   | 35.4# |       |
| 229     | 22.7  | 13.3   | 19.9# |       |

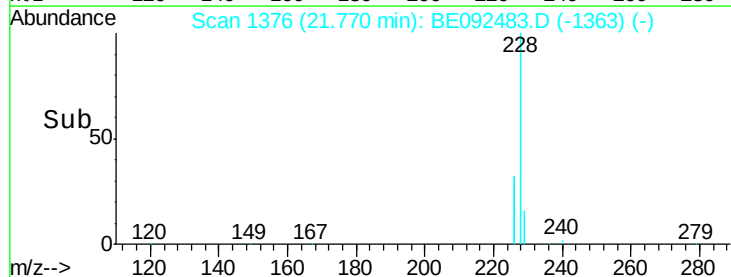
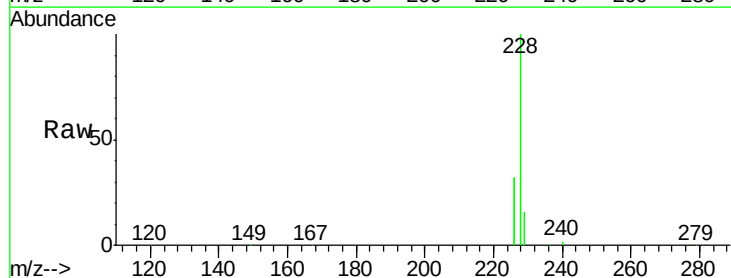
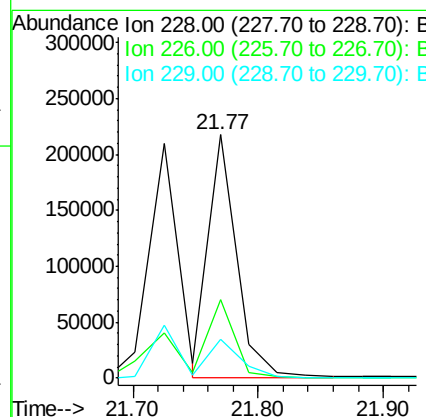
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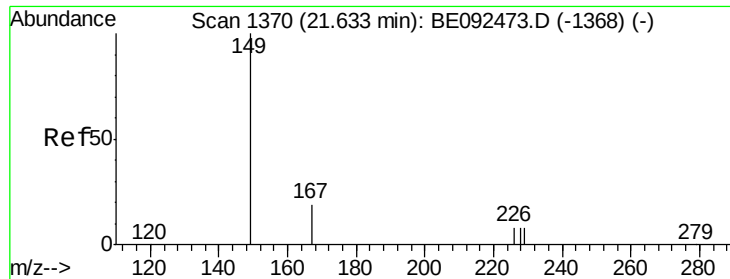


#28  
Chrysene  
Concen: 4.88 ng m  
RT: 21.77 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 349940 |       |       |
| 226     | 32.2  | 36.3   | 54.5# |       |
| 229     | 16.0  | 10.6   | 16.0# |       |







#29

Bis(2-ethylhexyl)phthalate

Concen: 4.69 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

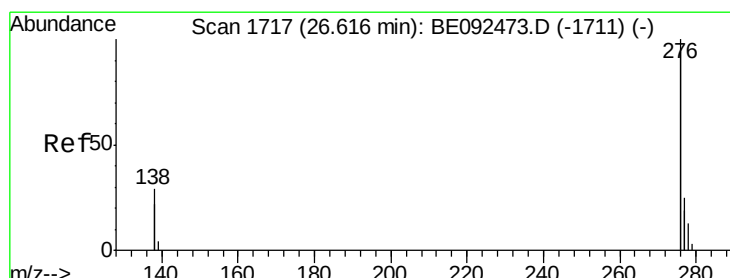
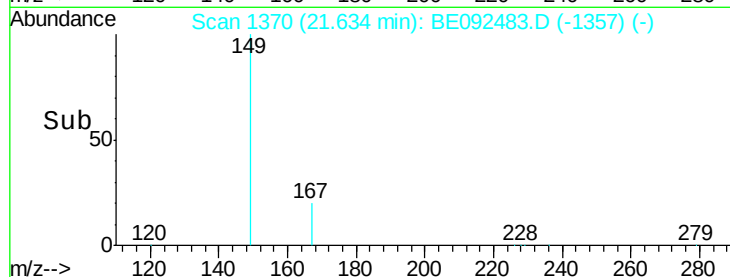
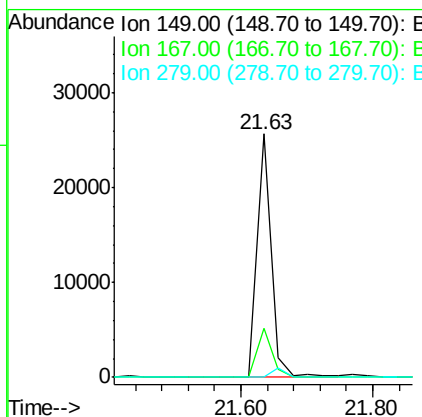
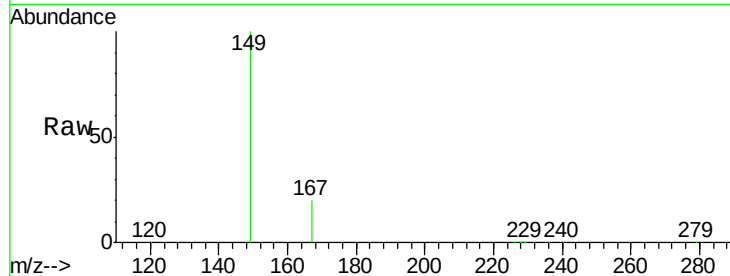
ClientSampleId :

PB94457BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 21.8  | 16.0       | 24.0       |
| 279     | 0.0   | 16.0       | 24.0       |

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#30

Indeno(1,2,3-cd)pyrene

Concen: 5.48 ng

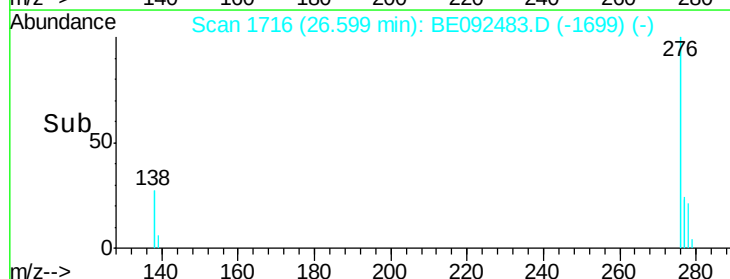
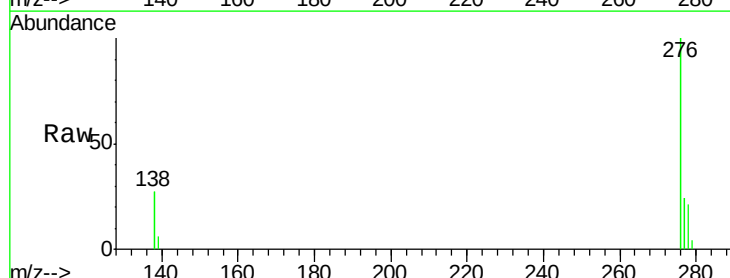
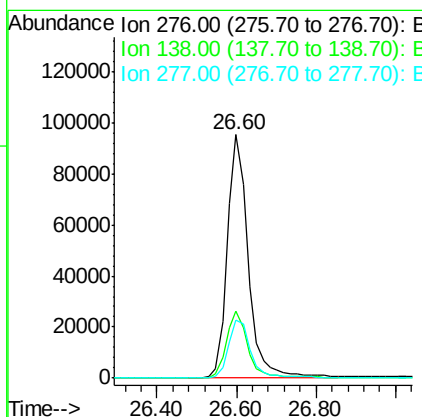
RT: 26.60 min Scan# 1716

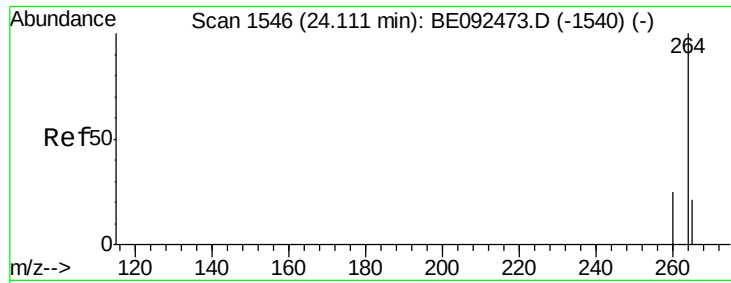
Delta R.T. -0.02 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 27.7  | 20.3       | 30.5       |
| 277     | 24.8  | 19.7       | 29.5       |





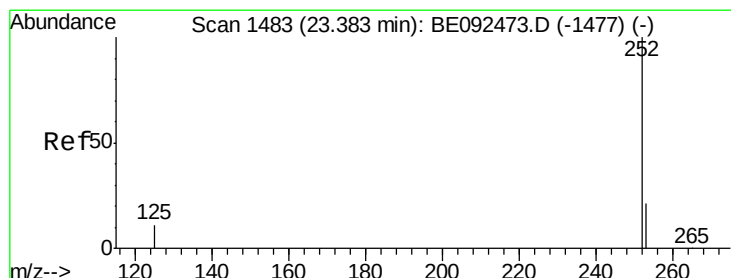
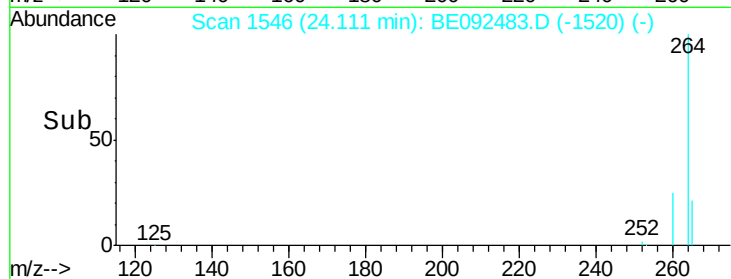
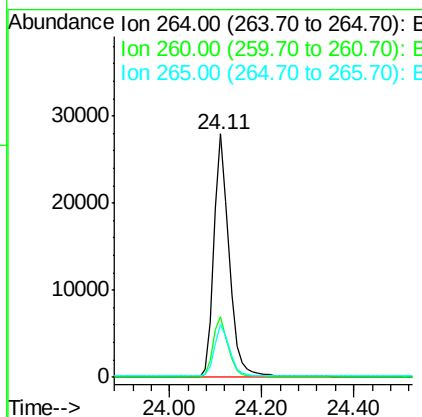
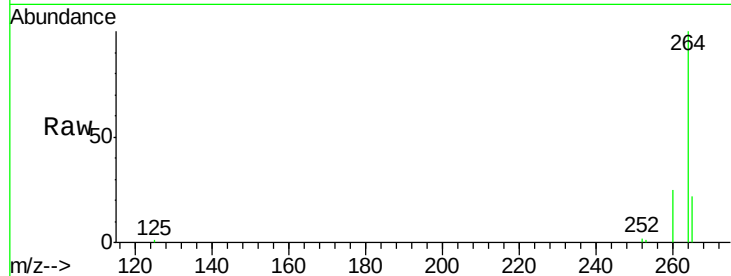
#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.11 min Scan# 1546  
 Delta R.T. -0.00 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB94457BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 20.1  | 30.1  |
| 265     | 21.9  | 17.9  | 26.9  |

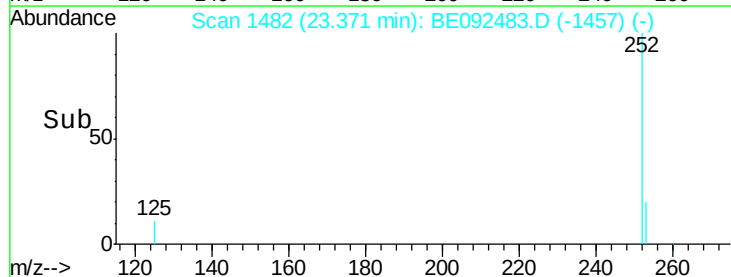
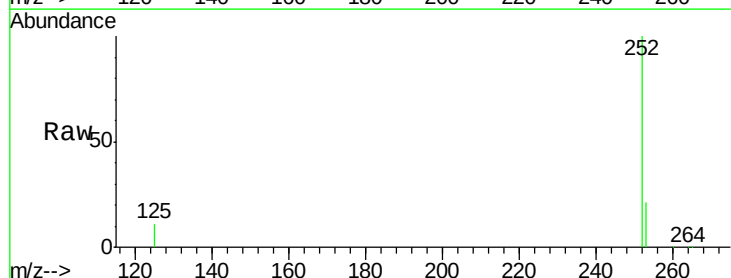
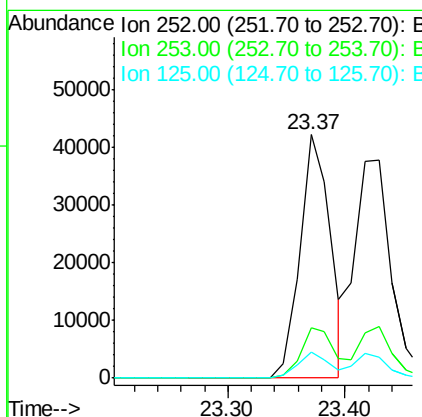
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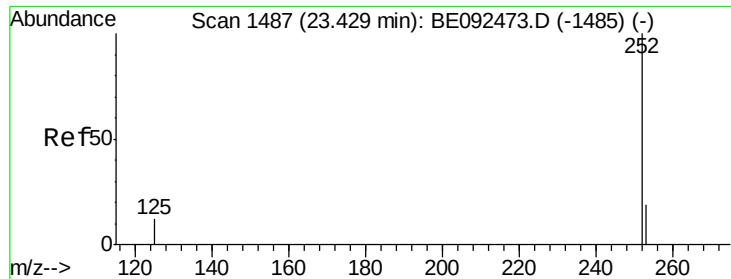
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#32  
 Benzo(b)fluoranthene  
 Concen: 4.70 ng  
 RT: 23.37 min Scan# 1482  
 Delta R.T. -0.01 min  
 Lab File: BE092483.D  
 Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.5  | 18.7  | 28.1  |
| 125     | 10.9  | 10.5  | 15.7  |





#33

Benzo(k)fluoranthene

Concen: 5.24 ng

RT: 23.43 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

Instrument :

BNA\_E

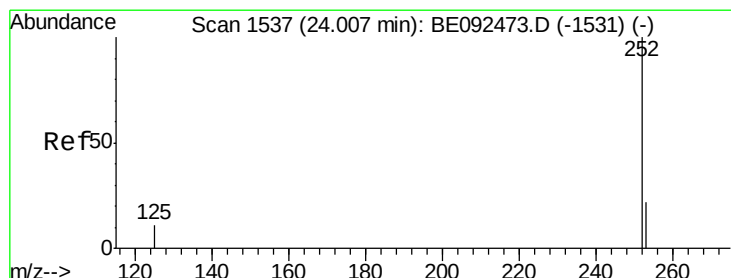
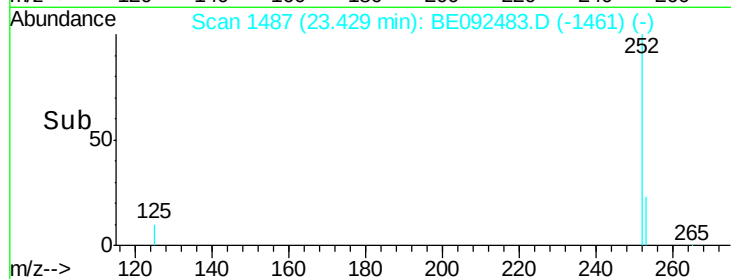
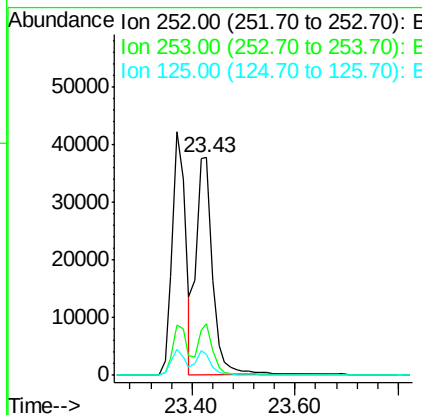
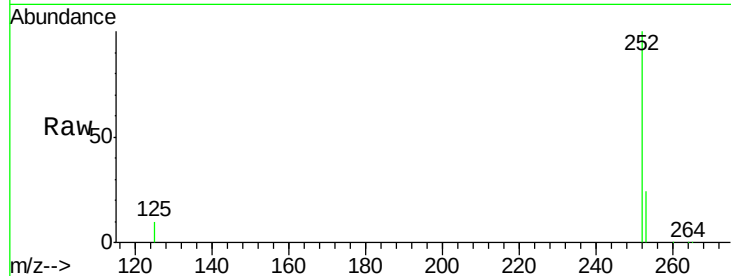
ClientSampleId :

PB94457BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 83858 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.6  | 20.3  | 30.5  |
| 125       | 9.8   | 9.6   | 14.4  |

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#34

Benzo(a)pyrene

Concen: 5.23 ng

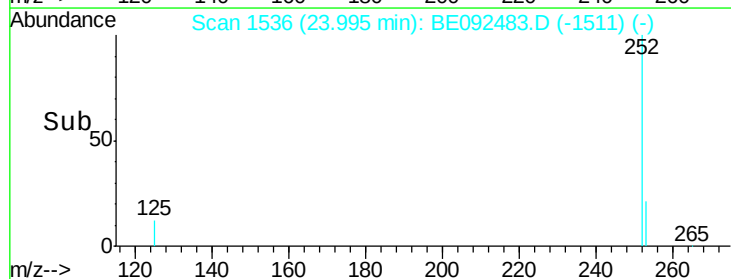
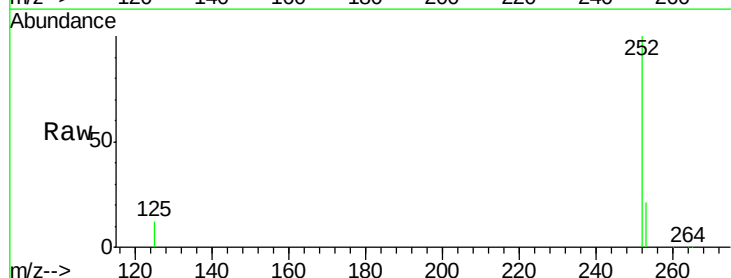
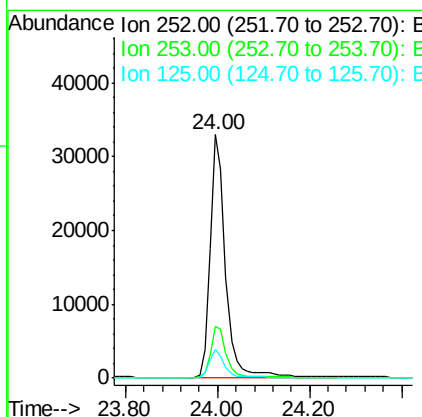
RT: 24.00 min Scan# 1536

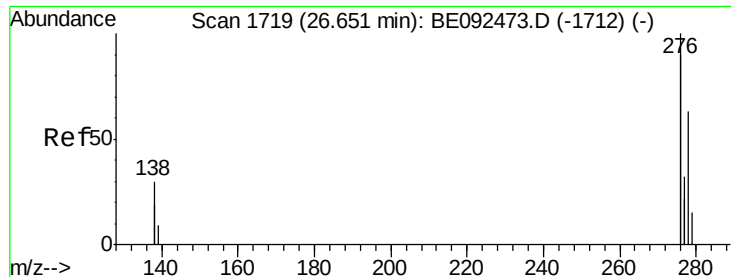
Delta R.T. -0.01 min

Lab File: BE092483.D

Acq: 31 Oct 2016 17:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 76330 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.1  | 19.0  | 28.6  |
| 125       | 12.0  | 11.8  | 17.8  |





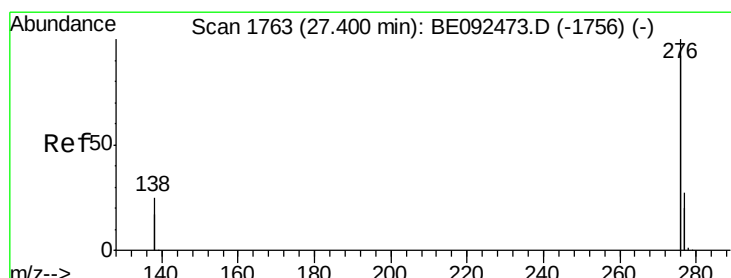
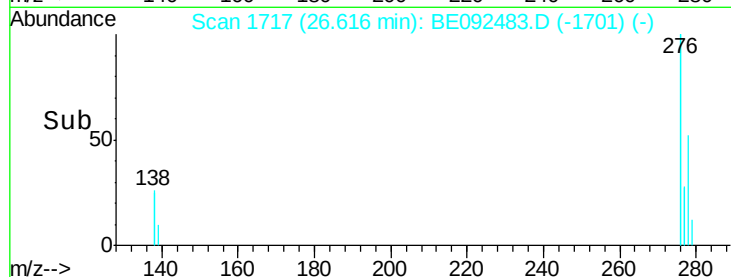
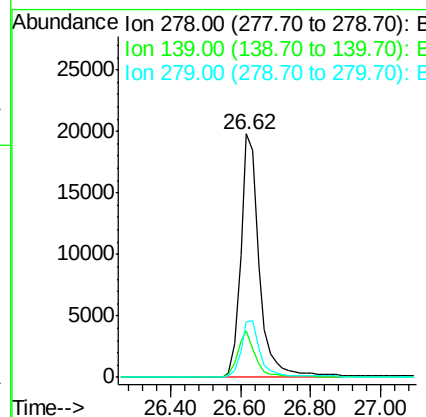
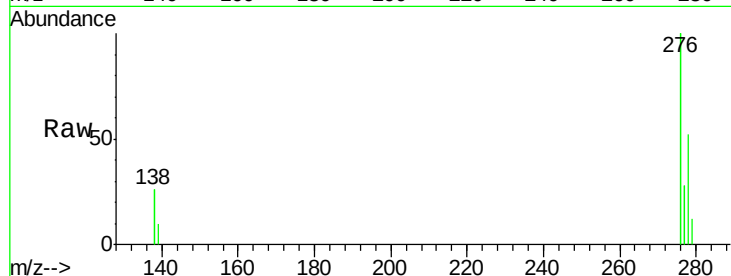
#35  
Dibenzo(a,h)anthracene  
Concen: 5.26 ng  
RT: 26.62 min Scan# 1717  
Delta R.T. -0.03 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

Instrument :  
BNA\_E  
ClientSampleId :  
PB94457BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.0  | 13.8  | 20.8  |
| 279     | 22.9  | 21.4  | 32.2  |

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#36  
Benzo(g,h,i)perylene  
Concen: 5.04 ng  
RT: 27.37 min Scan# 1761  
Delta R.T. -0.03 min  
Lab File: BE092483.D  
Acq: 31 Oct 2016 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.2  | 19.8  | 29.8  |
| 138     | 24.6  | 19.8  | 29.6  |

