

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE032816\  
 Data File : BE091538.D  
 Acq On : 28 Mar 2016 14:07  
 Operator : UM/SJ  
 Sample : PB88877BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB88877BS

Manual Integrations  
 APPROVED

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 3/29/2016 5:05:40 PM

Quant Time: Mar 29 01:13:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 25 19:00:32 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 38008    | 5.00  | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.59 | 136  | 189655   | 5.00  | ng    | 0.00     |
| 10) Acenaphthene-d10        | 14.43 | 164  | 114983   | 5.00  | ng    | -0.01    |
| 16) Phenanthrene-d10        | 17.17 | 188  | 269184   | 5.00  | ng    | 0.00     |
| 22) Chrysene-d12            | 21.33 | 240  | 294488   | 5.00  | ng    | 0.00     |
| 28) Perylene-d12            | 23.78 | 264  | 298743   | 5.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.41  | 112  | 62381    | 8.42  | ng    | -0.02    |
| 5) Phenol-d6                | 6.97  | 99   | 92388    | 9.14  | ng    | -0.02    |
| 7) Nitrobenzene-d5          | 8.97  | 82   | 37254    | 4.52  | ng    | -0.01    |
| 11) 2,4,6-Tribromophenol    | 15.91 | 330  | 29565    | 15.12 | ng    | -0.01    |
| 12) 2-Fluorobiphenyl        | 13.06 | 172  | 135341   | 4.18  | ng    | -0.01    |
| 24) Terphenyl-d14           | 19.78 | 244  | 218274   | 4.51  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane              | 3.35  | 88   | 16967    | 3.94  | ng    | 90       |
| 3) n-Nitrosodimethylamine   | 3.64  | 42   | 24893    | 4.49  | ng    | # 90     |
| 8) Naphthalene              | 10.65 | 128  | 153521   | 4.02  | ng    | # 93     |
| 9) 2-Methylnaphthalene      | 12.25 | 142  | 111152   | 4.66  | ng    | # 89     |
| 13) Acenaphthylene          | 14.15 | 152  | 193646   | 4.81  | ng    | 97       |
| 14) Acenaphthene            | 14.49 | 154  | 127416   | 4.48  | ng    | 96       |
| 15) Fluorene                | 15.47 | 166  | 157125   | 4.52  | ng    | 100      |
| 17) Hexachlorobenzene       | 16.47 | 284  | 44388    | 4.70  | ng    | 96       |
| 18) Pentachlorophenol       | 16.81 | 266  | 39002    | 11.03 | ng    | 96       |
| 19) Phenanthrene            | 17.20 | 178  | 276271   | 4.48  | ng    | 99       |
| 20) Anthracene              | 17.30 | 178  | 255782   | 5.01  | ng    | 99       |
| 21) Fluoranthene            | 19.20 | 202  | 289931   | 5.03  | ng    | 98       |
| 23) Pyrene                  | 19.57 | 202  | 334213   | 4.81  | ng    | 98       |
| 25) Benzo(a)anthracene      | 21.31 | 228  | 325492   | 4.79  | ng    | # 86     |
| 26) Chrysene                | 21.36 | 228  | 369815m  | 4.14  | ng    |          |
| 27) Indeno(1,2,3-cd)pyrene  | 26.35 | 276  | 350928   | 5.05  | ng    | 99       |
| 29) Benzo(b)fluoranthene    | 23.02 | 252  | 320458   | 4.83  | ng    | 95       |
| 30) Benzo(k)fluoranthene    | 23.08 | 252  | 342768   | 5.18  | ng    | 95       |
| 31) Benzo(a)pyrene          | 23.67 | 252  | 299026   | 4.50  | ng    | # 94     |
| 32) Dibenzo(a,h)anthracene  | 26.38 | 278  | 298208   | 5.07  | ng    | 98       |
| 33) Benzo(g,h,i)perylene    | 27.15 | 276  | 299292   | 4.87  | ng    | 98       |

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

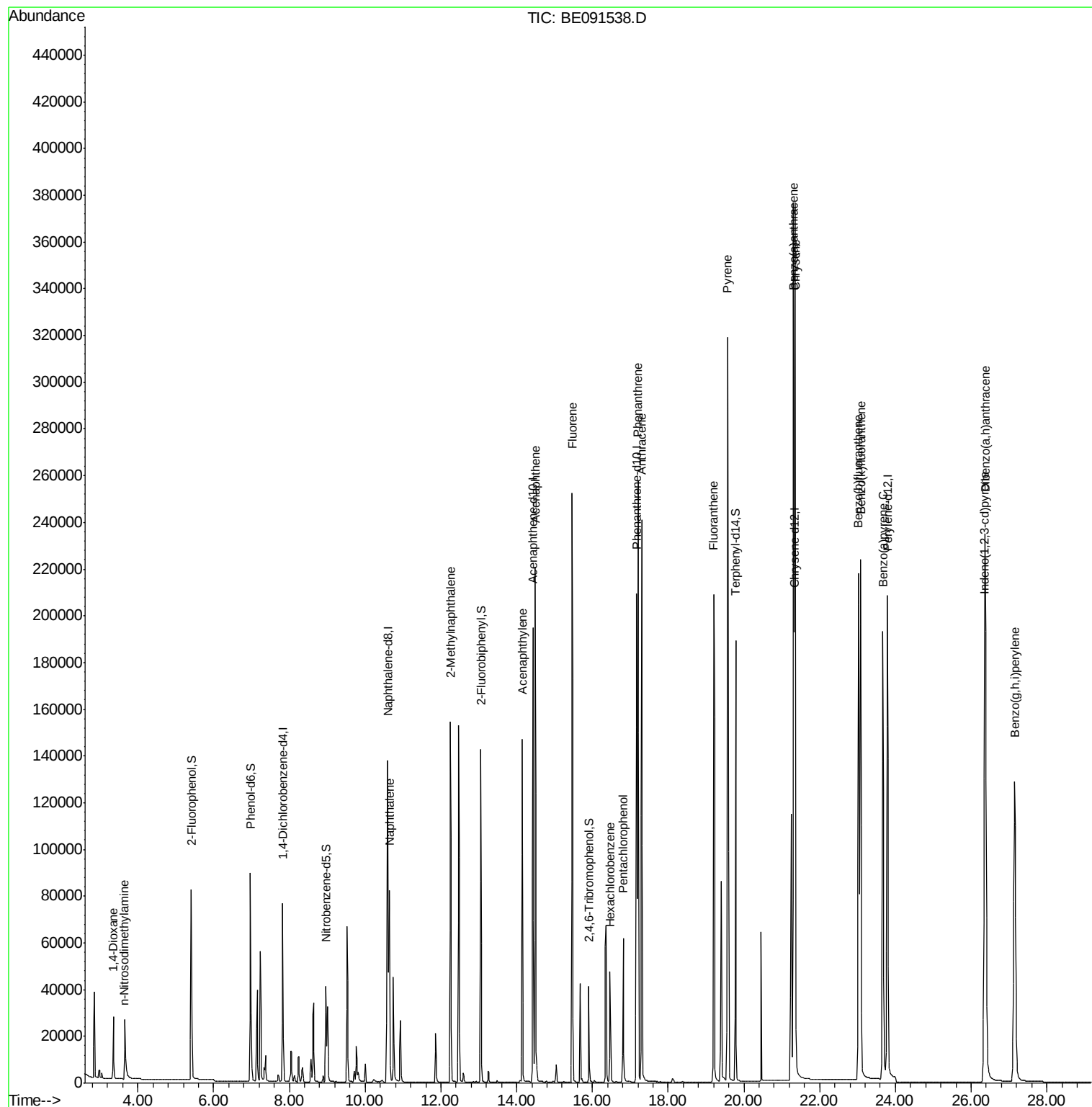
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE032816\  
Data File : BE091538.D  
Acq On : 28 Mar 2016 14:07  
Operator : UM/SJ  
Sample : PB88877BS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

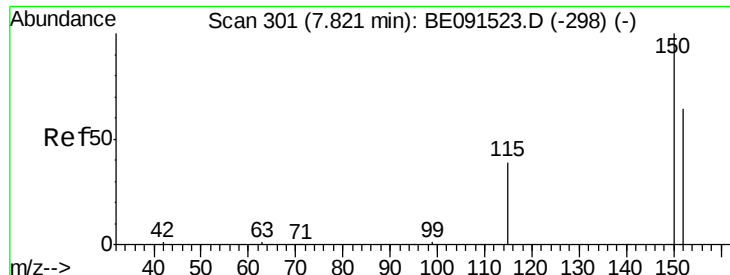
Instrument :  
BNA\_E  
ClientSampleId :  
PB88877BS

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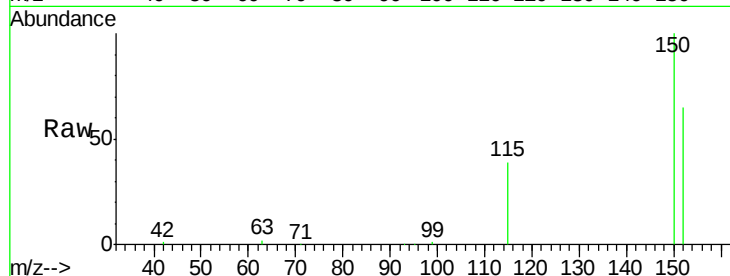
Quant Time: Mar 29 01:13:07 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 25 19:00:32 2016  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.82 min Scan# 301  
 Delta R.T. 0.00 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

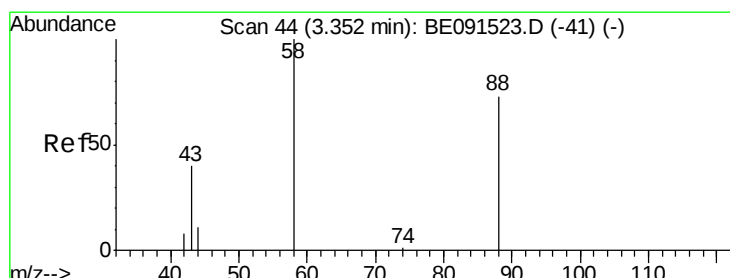
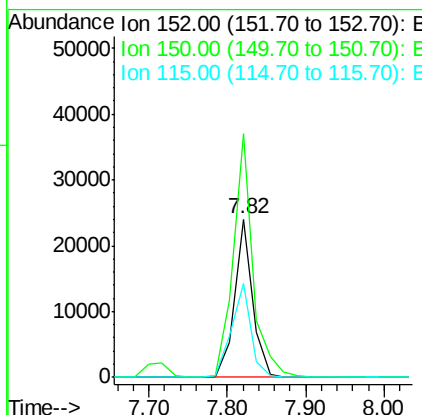
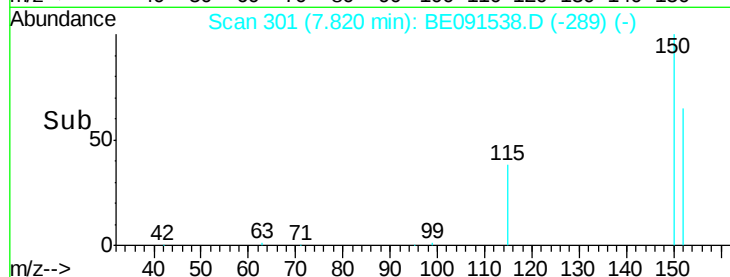
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB88877BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.8 | 122.2 | 183.2 |
| 115     | 59.3  | 45.9  | 68.9  |

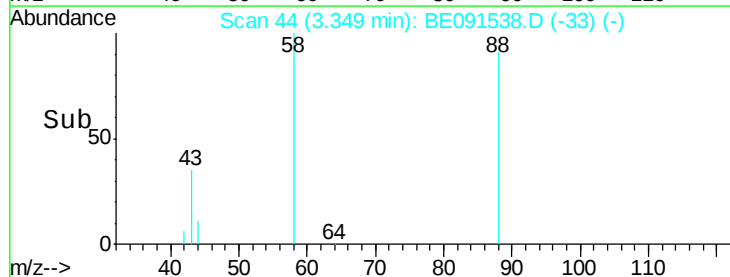
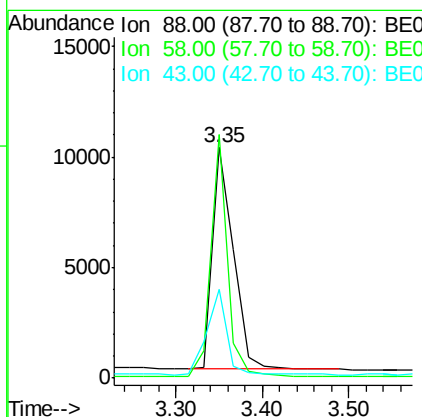
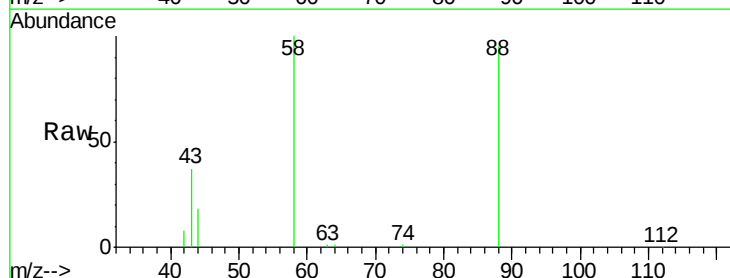
Manual Integrations  
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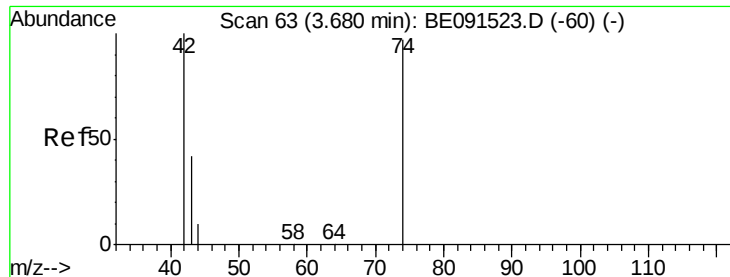
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#2  
 1,4-Dioxane  
 Concen: 3.94 ng  
 RT: 3.35 min Scan# 44  
 Delta R.T. -0.02 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 86.3  | 61.0  | 91.6  |
| 43      | 35.8  | 25.4  | 38.2  |





#3

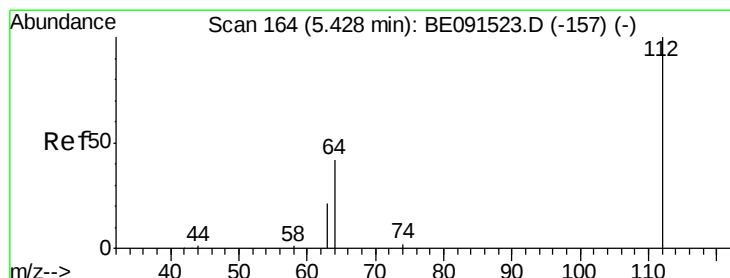
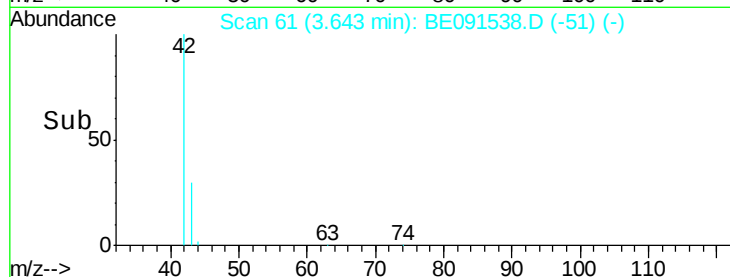
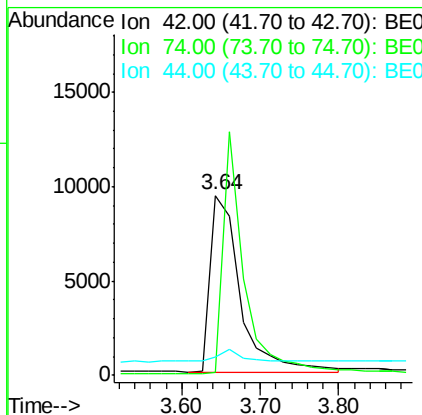
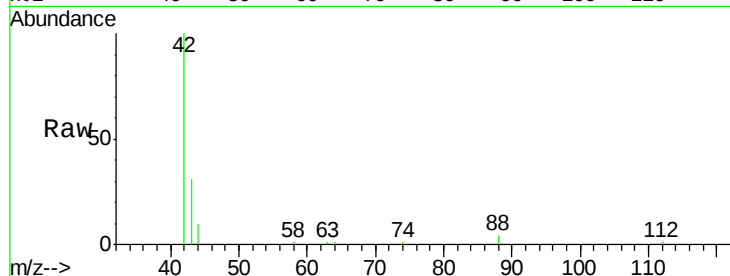
n-Nitrosodimethylamine  
 Concen: 4.49 ng  
 RT: 3.64 min Scan# 61  
 Delta R.T. -0.03 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB88877BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 95.3  | 84.3  | 126.5 |
| 44      | 5.7   | 6.7   | 10.1# |

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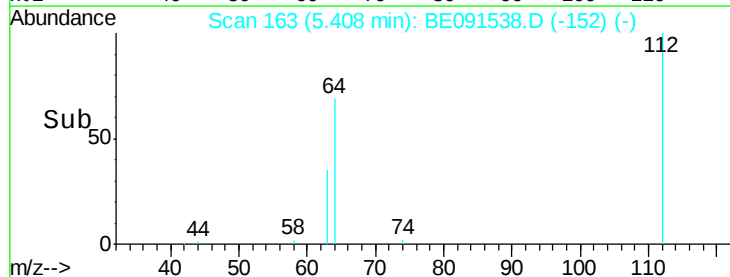
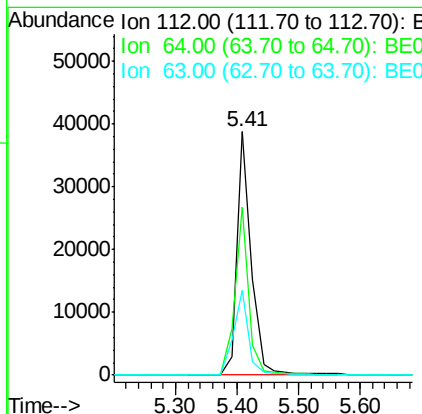
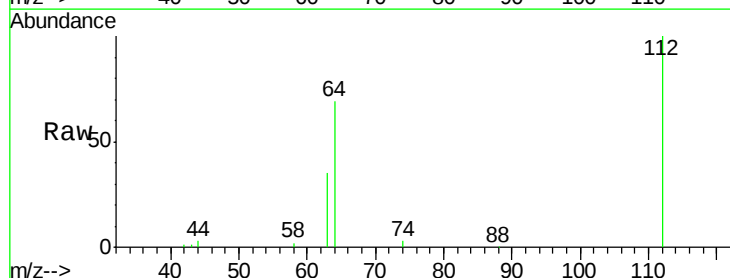
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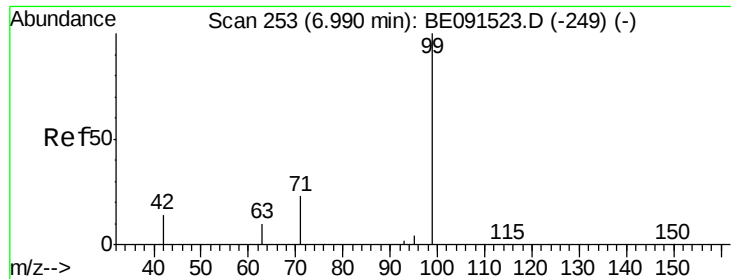


#4

2-Fluorophenol  
 Concen: 8.42 ng  
 RT: 5.41 min Scan# 163  
 Delta R.T. -0.02 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.5  | 53.3  | 79.9  |
| 63      | 36.6  | 29.8  | 44.8  |





#5

Phenol-d6

Concen: 9.14 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

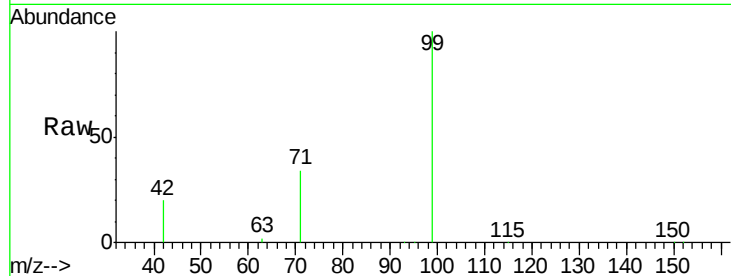
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PB88877BS

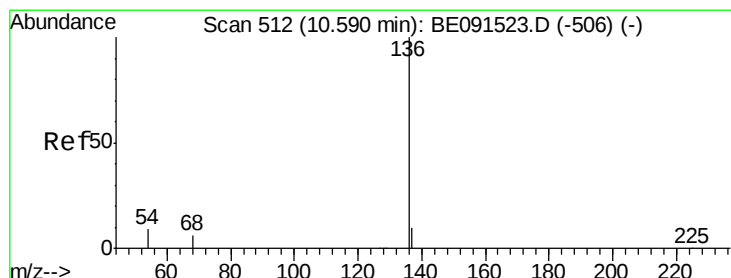
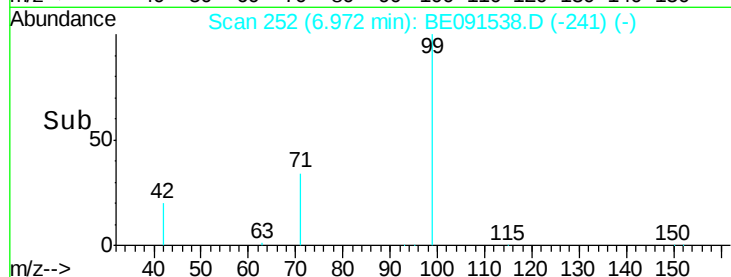
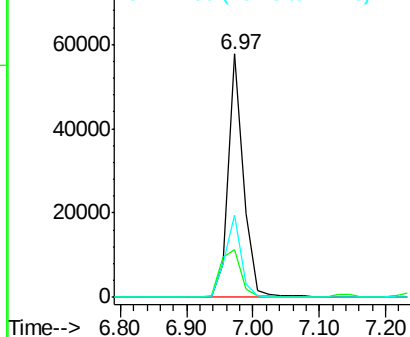
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 99      | 100   | 92388 |       |       |
| 42      | 26.3  |       | 20.6  | 30.8  |
| 71      | 35.7  |       | 29.0  | 43.4  |

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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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

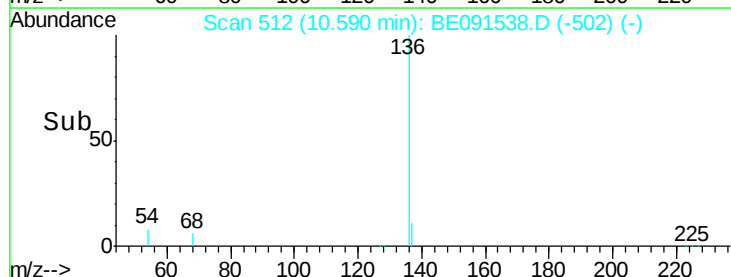
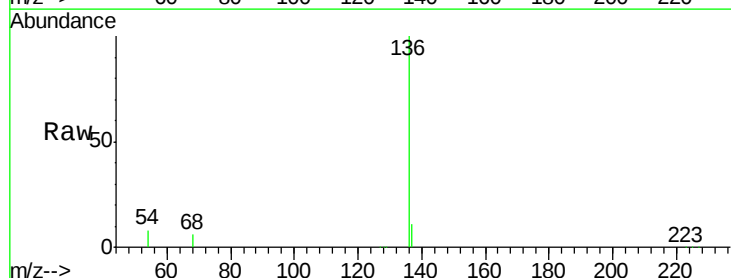
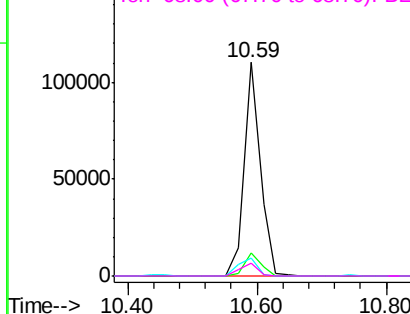
Delta R.T. -0.00 min

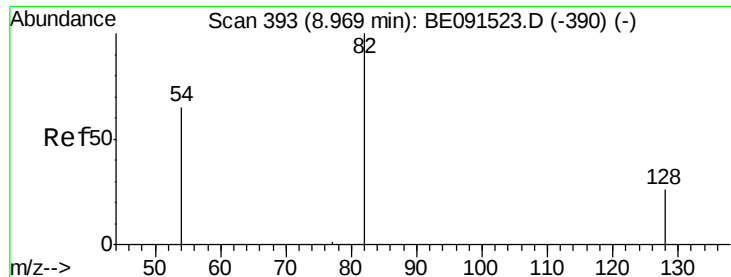
Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 189655 |       |       |
| 137     | 10.6  |        | 8.8   | 13.2  |
| 54      | 8.3   |        | 5.2   | 7.8#  |
| 68      | 6.0   |        | 4.1   | 6.1   |

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





#7

Nitrobenzene-d5

Concen: 4.52 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

ClientSampleId :

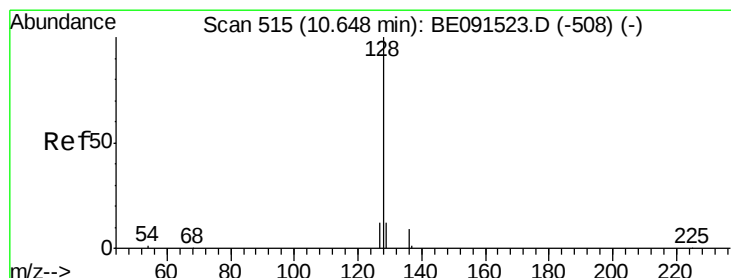
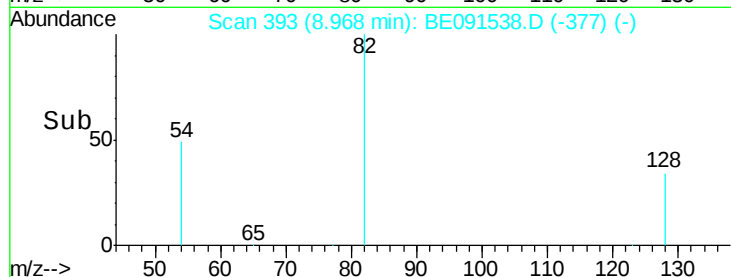
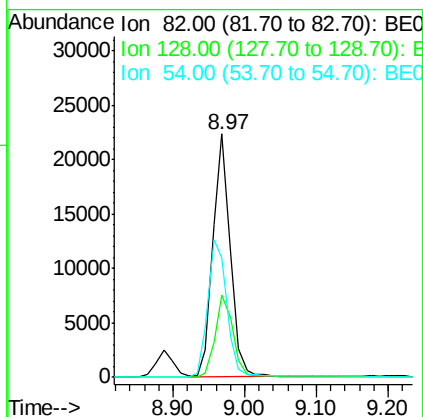
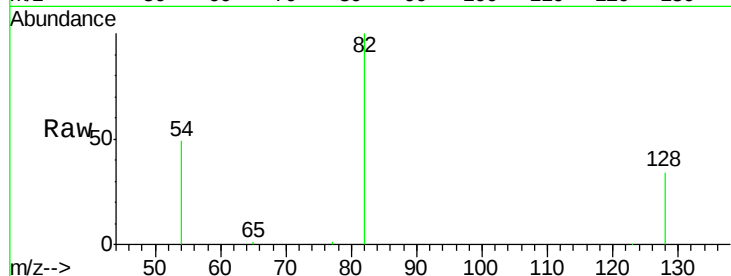
PB8877BS

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| Tgt Ion   | 82    | Resp  | 37254 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 33.8  | 23.5  | 35.3  |
| 54        | 49.3  | 52.4  | 78.6# |



#8

Naphthalene

Concen: 4.02 ng

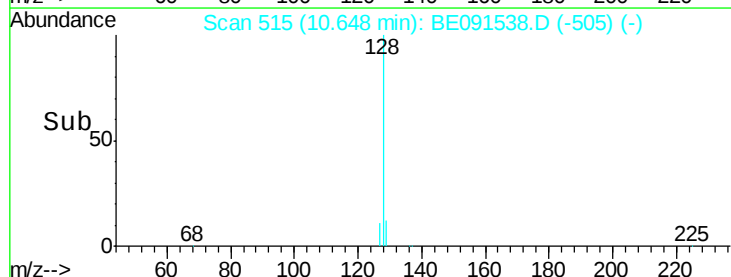
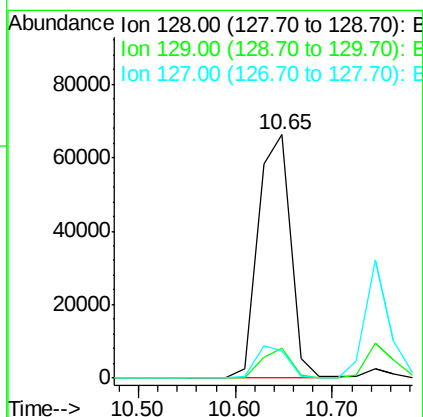
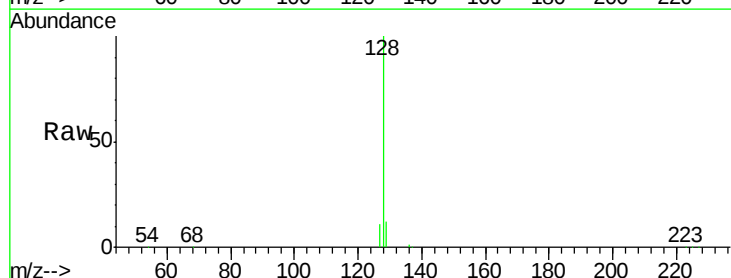
RT: 10.65 min Scan# 515

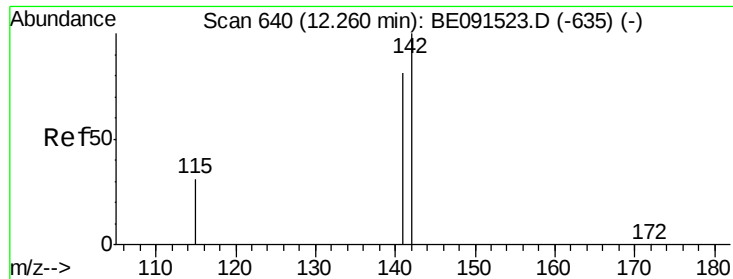
Delta R.T. -0.00 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

| Tgt Ion   | 128   | Resp  | 153521 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 12.1  | 8.2   | 12.2   |
| 127       | 11.4  | 11.8  | 17.8#  |





#9

2-Methylnaphthalene

Concen: 4.66 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

ClientSampleId :

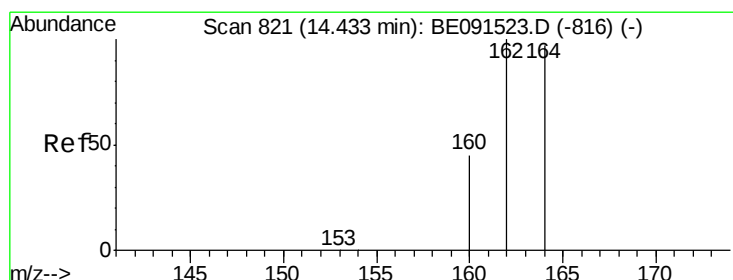
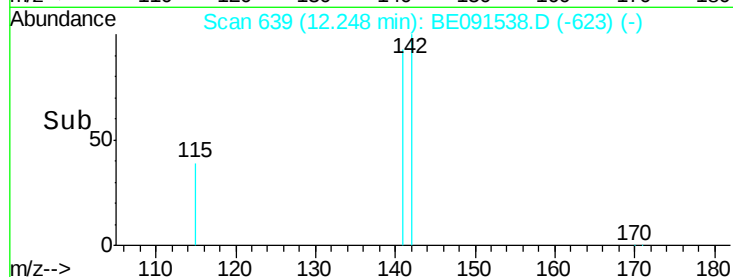
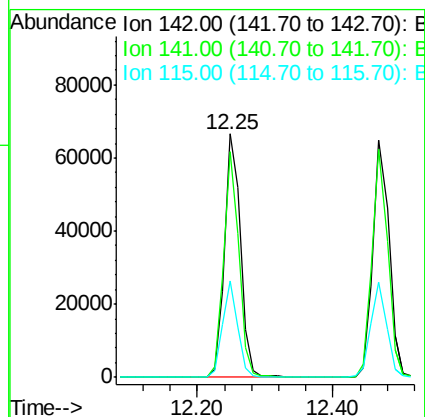
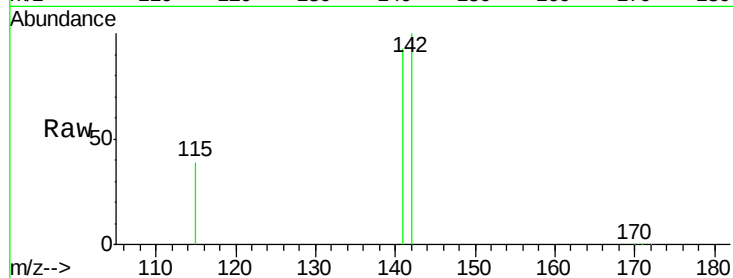
PB88877BS

Manual Integrations  
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 111152 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 92.6  | 66.9  | 100.3  |
| 115       | 39.4  | 25.1  | 37.7#  |



#10

Acenaphthene-d10

Concen: 5.00 ng

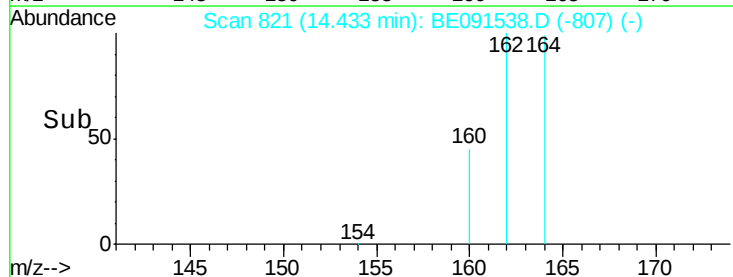
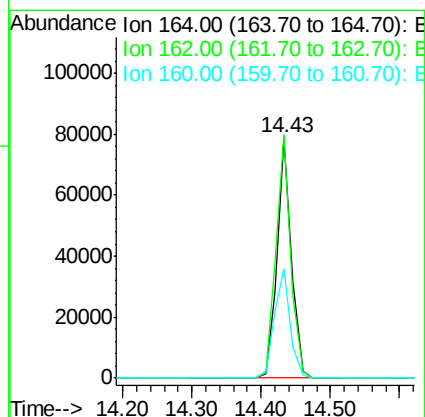
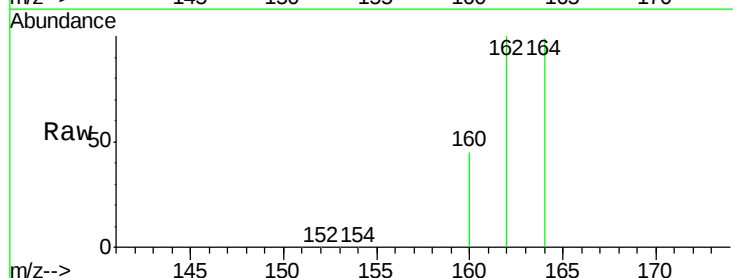
RT: 14.43 min Scan# 821

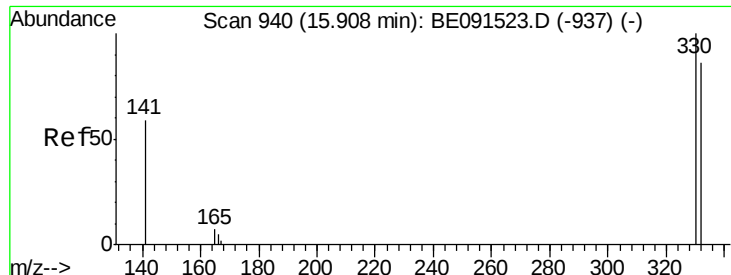
Delta R.T. -0.01 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

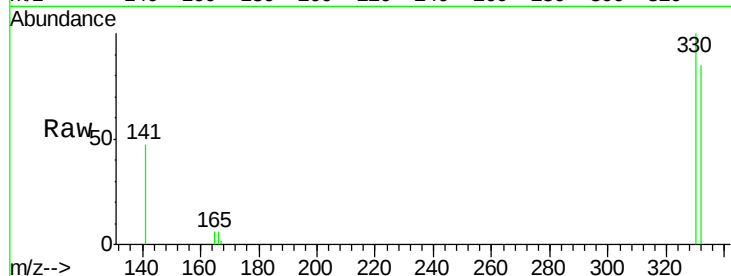
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 114983 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.3 | 84.4  | 126.6  |
| 160       | 45.2  | 37.7  | 56.5   |





#11  
 2,4,6-Tribromophenol  
 Concen: 15.12 ng  
 RT: 15.91 min Scan# 940  
 Delta R.T. -0.01 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

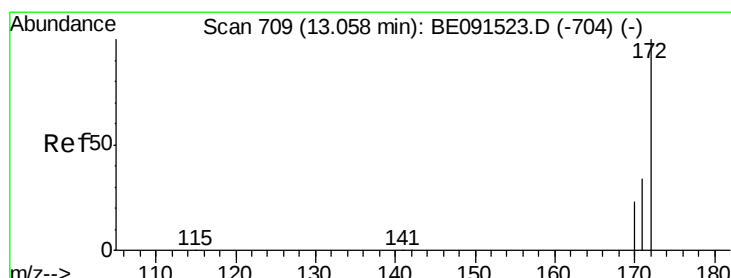
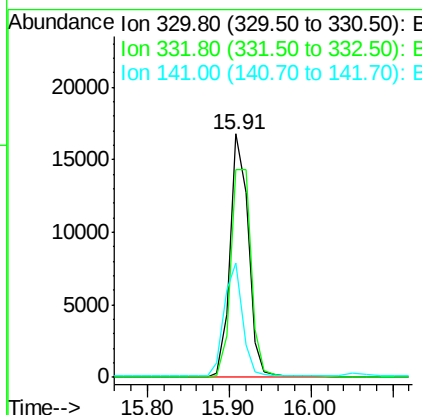
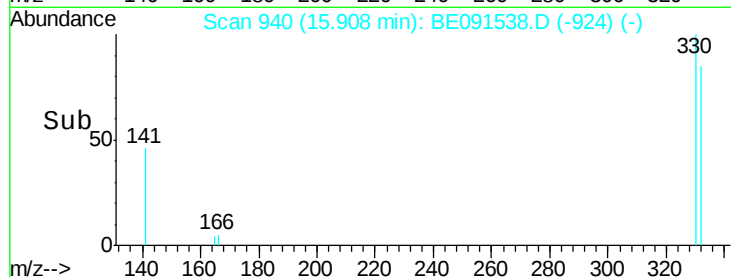
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB88877BS



| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 29565 |       |       |
| 332     | 96.8  | 79.2  | 118.8 |       |
| 141     | 41.1  | 28.1  | 42.1  |       |

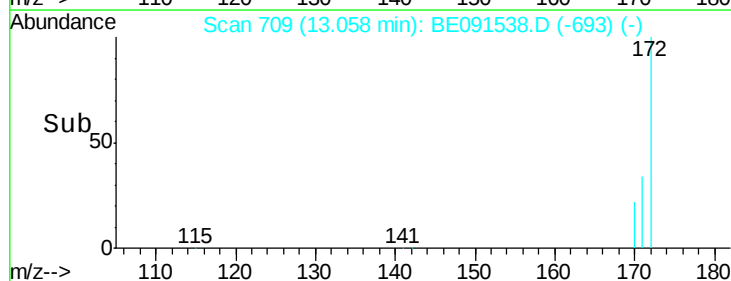
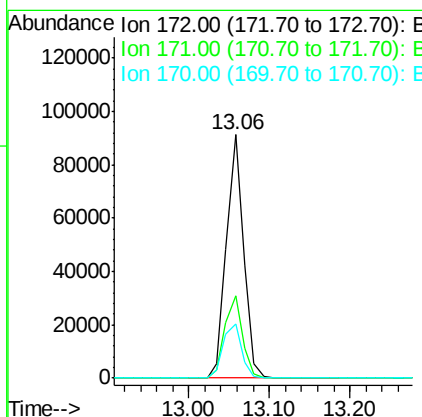
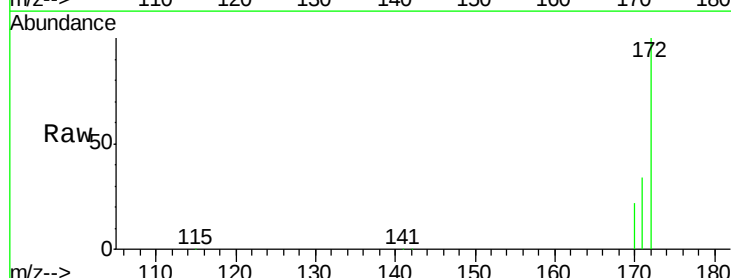
Manual Integrations  
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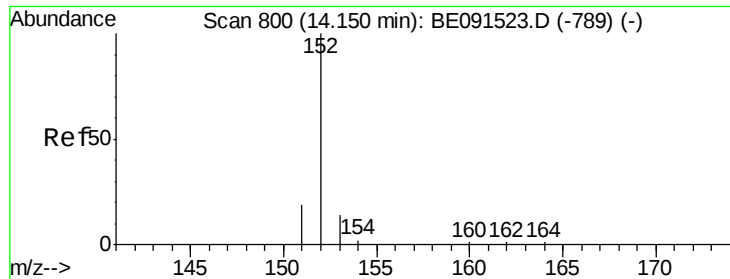
Sohil  
 3/29/2016 5:05:40 PM



#12  
 2-Fluorobiphenyl  
 Concen: 4.18 ng  
 RT: 13.06 min Scan# 709  
 Delta R.T. -0.01 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 135341 |       |       |
| 171     | 33.7  | 29.8   | 44.8  |       |
| 170     | 22.0  | 21.4   | 32.2  |       |





#13

Acenaphthylene

Concen: 4.81 ng

RT: 14.15 min Scan# 800

Delta R.T. 0.00 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

ClientSampleId :

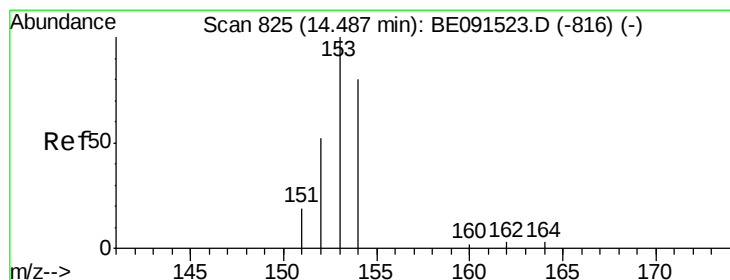
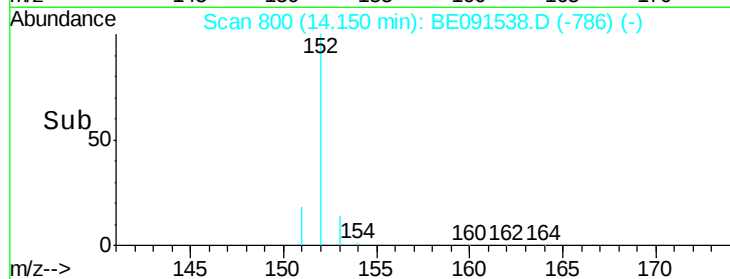
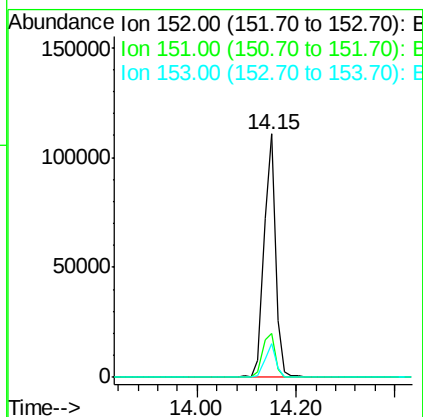
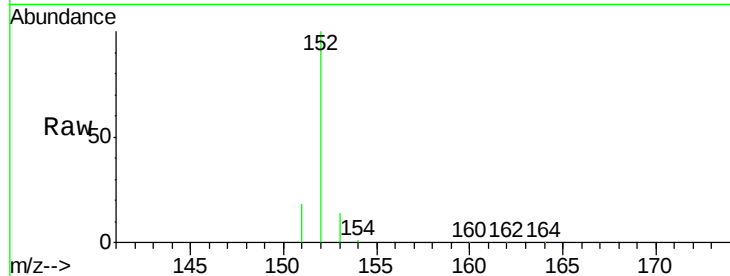
PB88877BS

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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.4  | 16.3  | 24.5  |
| 153     | 13.4  | 11.1  | 16.7  |



#14

Acenaphthene

Concen: 4.48 ng

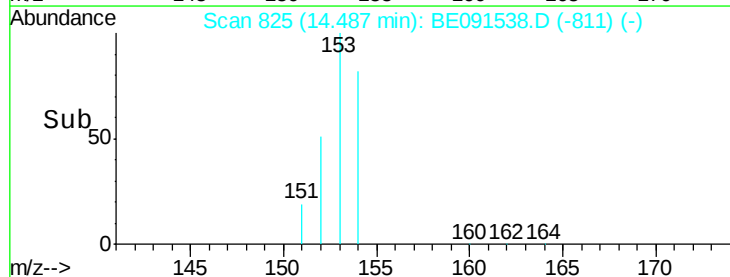
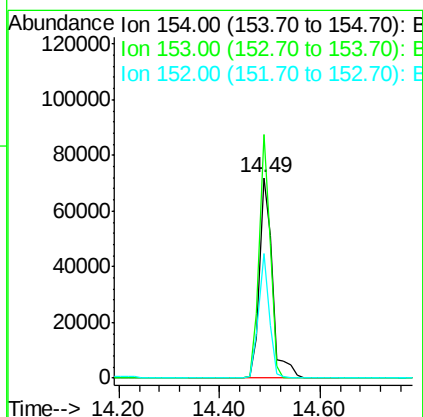
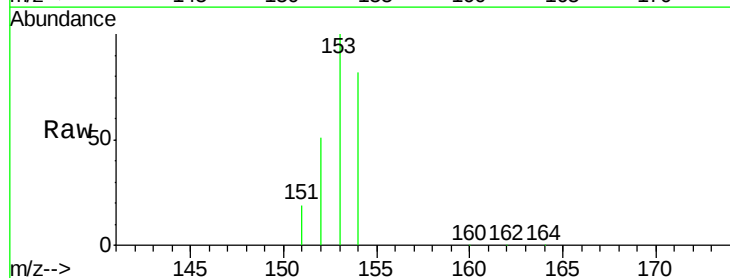
RT: 14.49 min Scan# 825

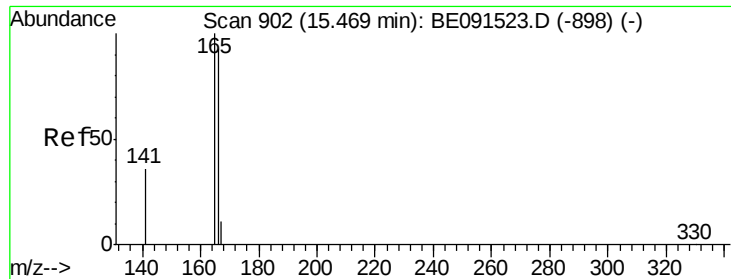
Delta R.T. -0.01 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 104.1 | 87.3  | 130.9 |
| 152     | 51.8  | 42.9  | 64.3  |





#15

Fluorene

Concen: 4.52 ng

RT: 15.47 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

ClientSampleId :

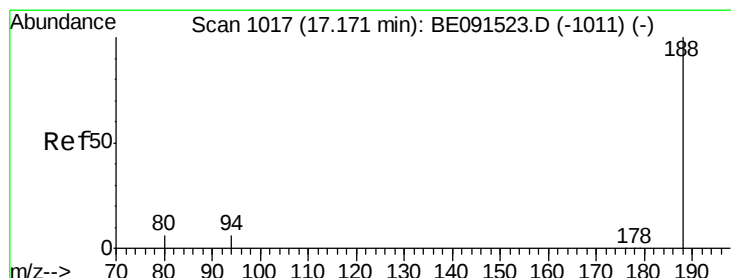
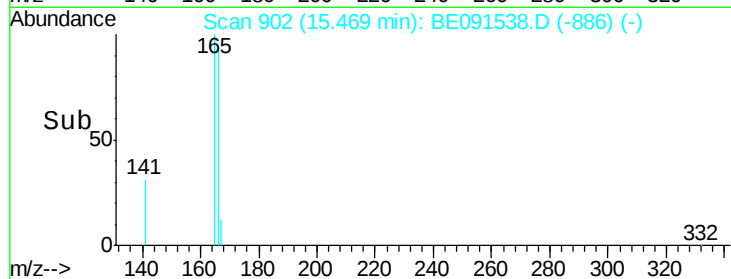
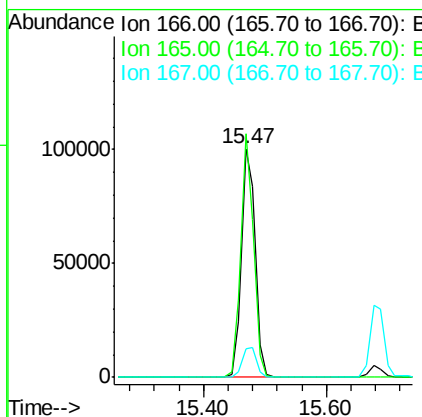
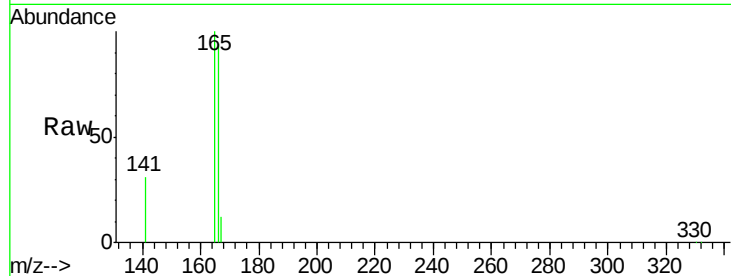
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|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 166   | Resp  | 157125 |
| Ion | Ratio | Lower | Upper |        |
| 166 | 100   |       |       |        |
| 165 | 99.0  | 79.2  | 118.8 |        |
| 167 | 13.6  | 10.8  | 16.2  |        |



#16

Phenanthrene-d10

Concen: 5.00 ng

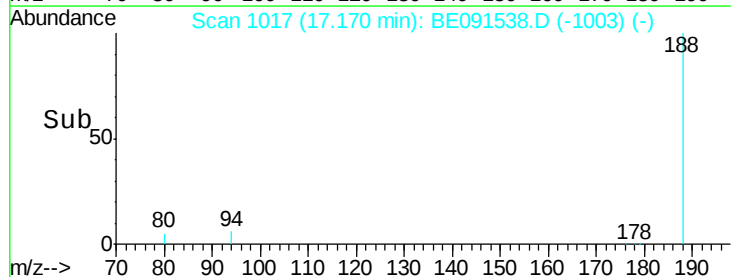
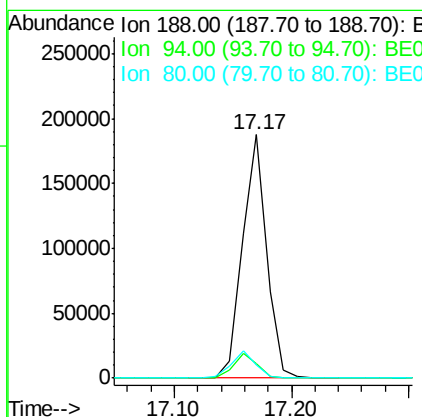
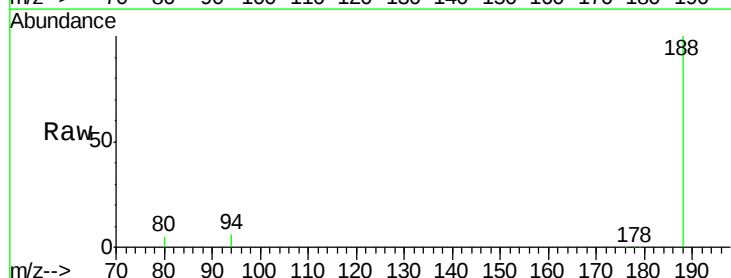
RT: 17.17 min Scan# 1017

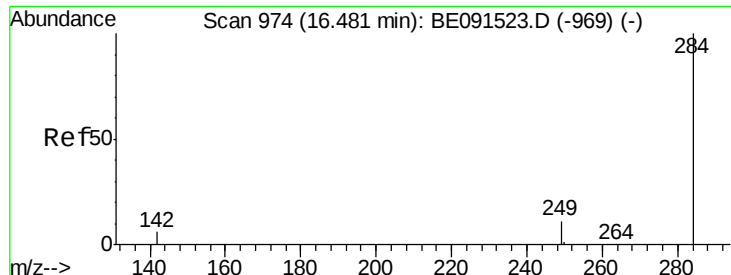
Delta R.T. -0.00 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 188   | Resp  | 269184 |
| Ion | Ratio | Lower | Upper |        |
| 188 | 100   |       |       |        |
| 94  | 6.0   | 5.4   | 8.2   |        |
| 80  | 5.3   | 5.0   | 7.4   |        |





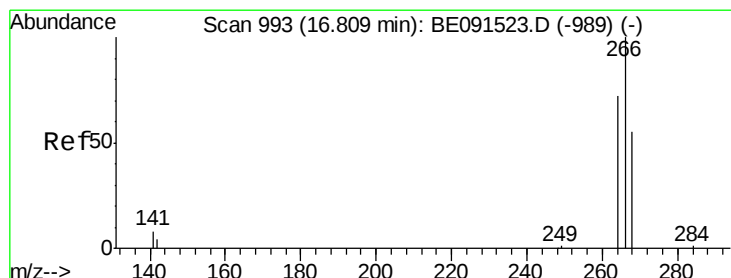
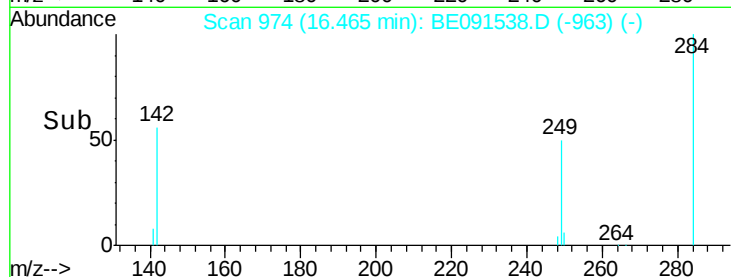
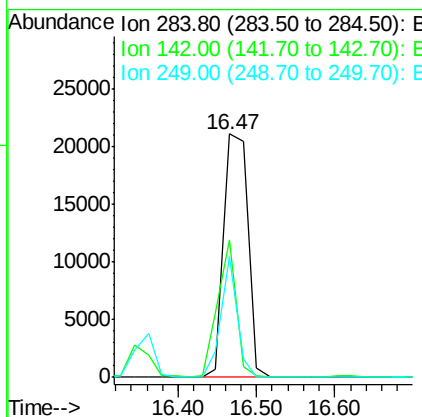
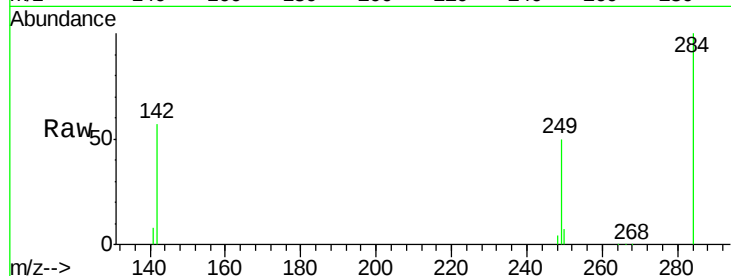
#17  
Hexachlorobenzene  
Concen: 4.70 ng  
RT: 16.47 min Scan# 974  
Delta R.T. -0.02 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

Instrument :  
BNA\_E  
ClientSampleId :  
PB88877BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 44388 |       |       |
| 142     | 42.8  | 31.0  | 46.4  |       |
| 249     | 33.2  | 25.8  | 38.8  |       |

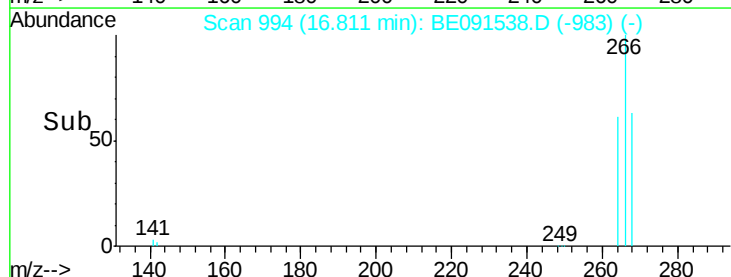
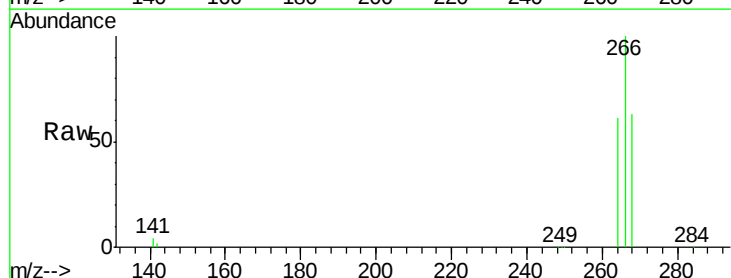
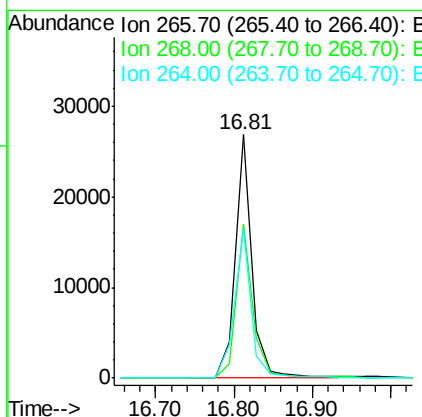
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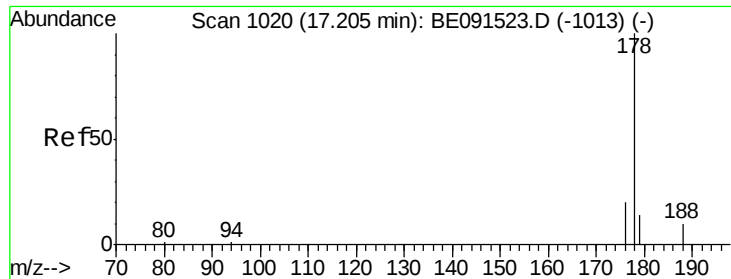
Sohil  
3/29/2016 5:05:40 PM



#18  
Pentachlorophenol  
Concen: 11.03 ng  
RT: 16.81 min Scan# 994  
Delta R.T. -0.02 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 39002 |       |       |
| 268     | 63.0  | 48.2  | 72.2  |       |
| 264     | 61.3  | 52.1  | 78.1  |       |





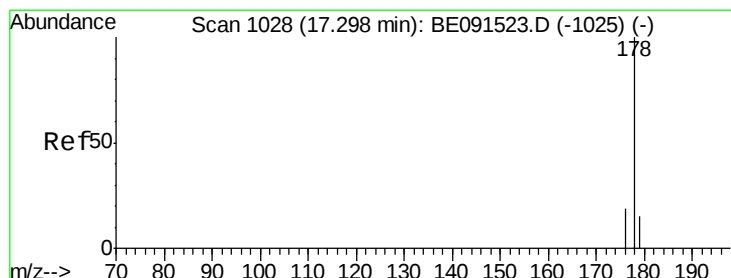
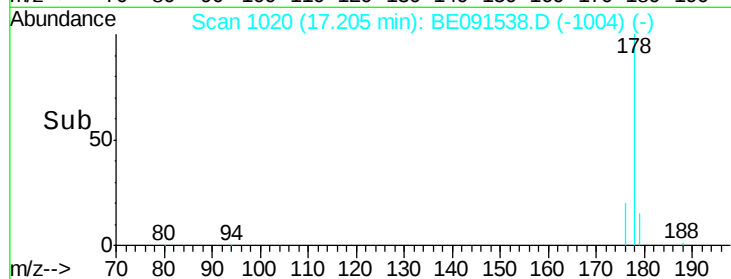
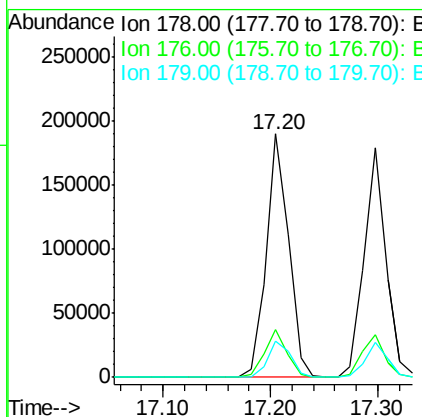
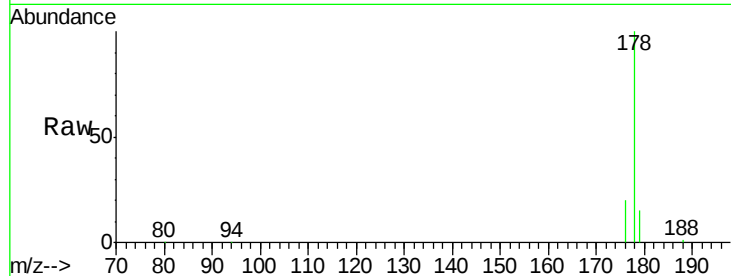
#19  
Phenanthrene  
Concen: 4.48 ng  
RT: 17.20 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

Instrument :  
BNA\_E  
ClientSampleId :  
PB8877BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.5  | 23.3  |
| 179     | 15.5  | 13.1  | 19.7  |

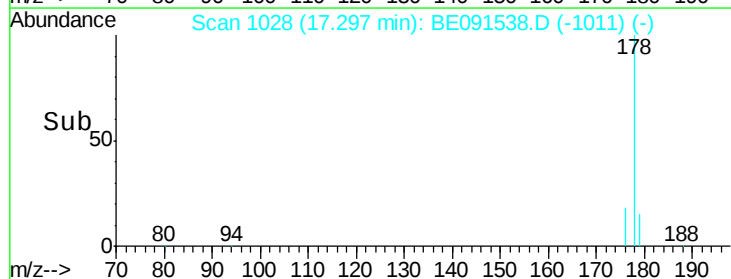
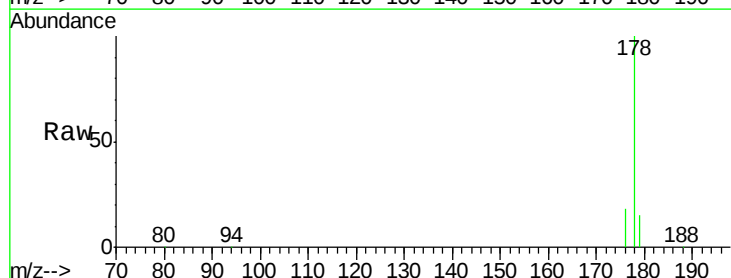
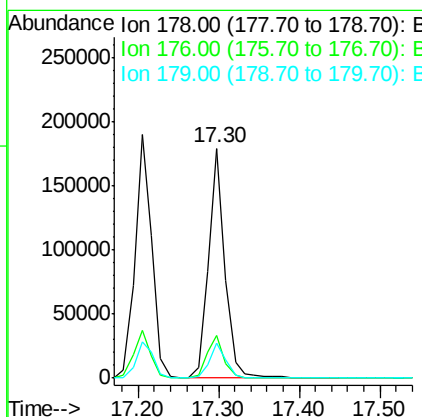
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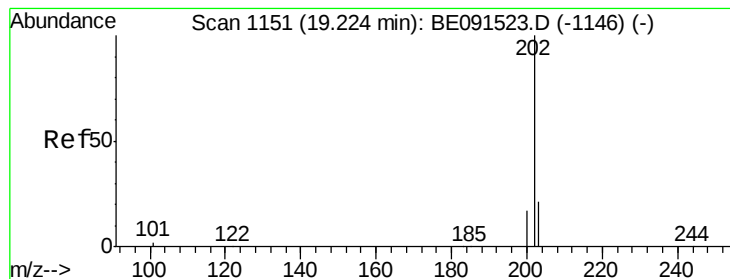
Sohil  
3/29/2016 5:05:40 PM



#20  
Anthracene  
Concen: 5.01 ng  
RT: 17.30 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 14.9  | 22.3  |
| 179     | 15.7  | 12.2  | 18.4  |





#21

Fluoranthene

Concen: 5.03 ng

RT: 19.20 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

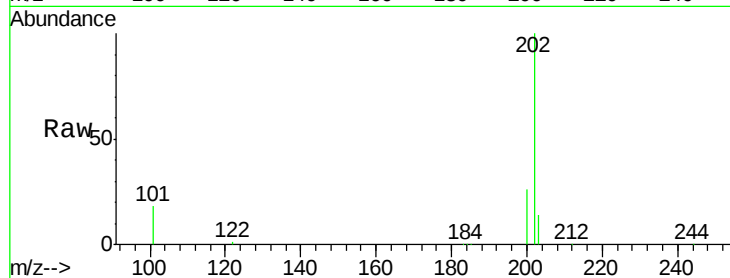
ClientSampleId :

PB88877BS

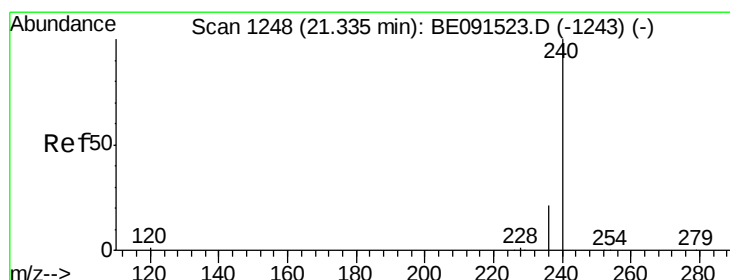
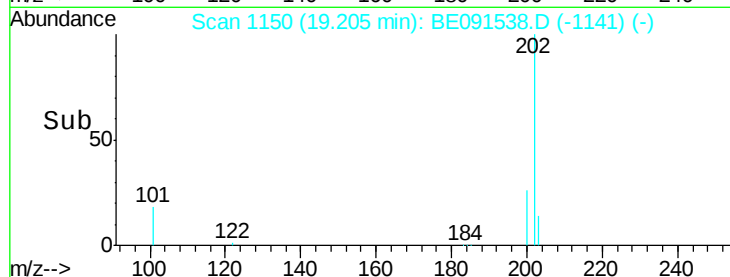
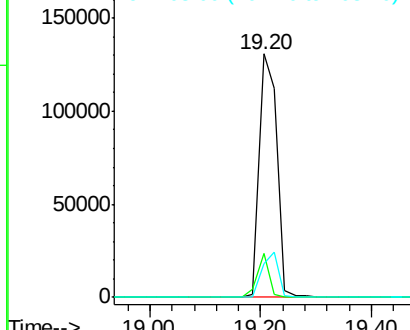
|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 202   | Resp: | 289931 |
| Ion | Ratio | Lower | Upper |        |
| 202 | 100   |       |       |        |
| 101 | 11.9  | 8.3   | 12.5  |        |
| 203 | 17.7  | 13.9  | 20.9  |        |

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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



#22

Chrysene-d12

Concen: 5.00 ng

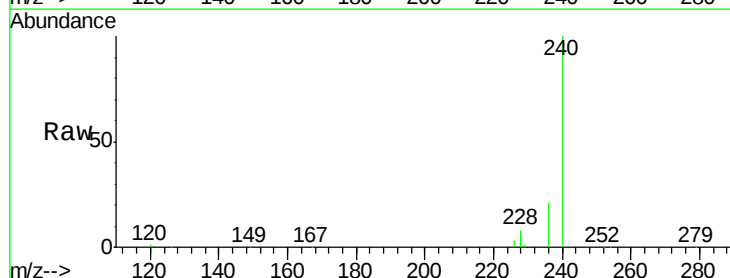
RT: 21.33 min Scan# 1248

Delta R.T. -0.00 min

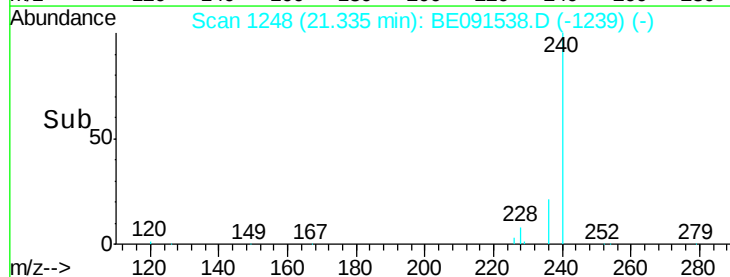
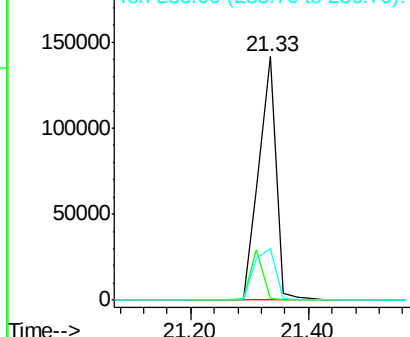
Lab File: BE091538.D

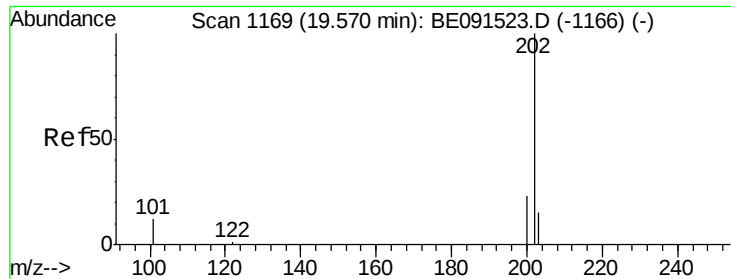
Acq: 28 Mar 2016 14:07

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 240   | Resp: | 294488 |
| Ion | Ratio | Lower | Upper |        |
| 240 | 100   |       |       |        |
| 120 | 0.8   | 4.0   | 6.0#  |        |
| 236 | 21.0  | 23.0  | 34.4# |        |



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





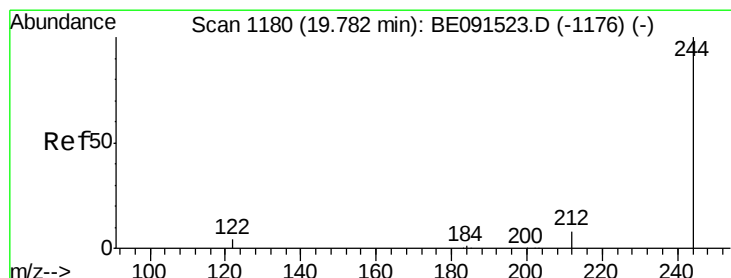
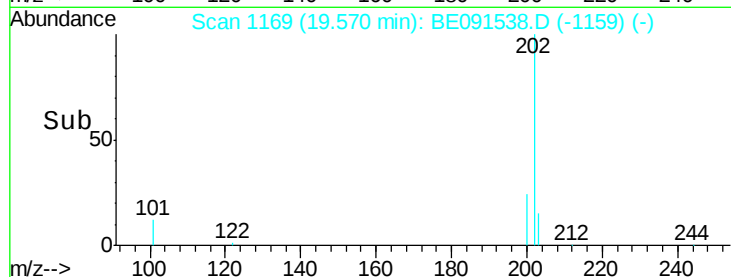
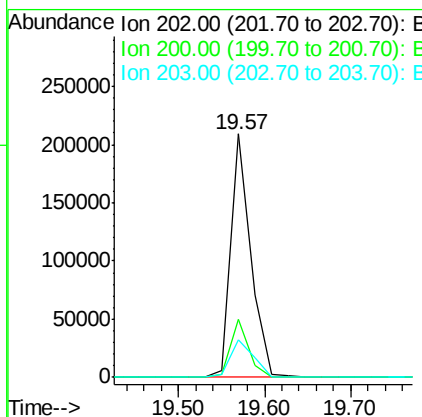
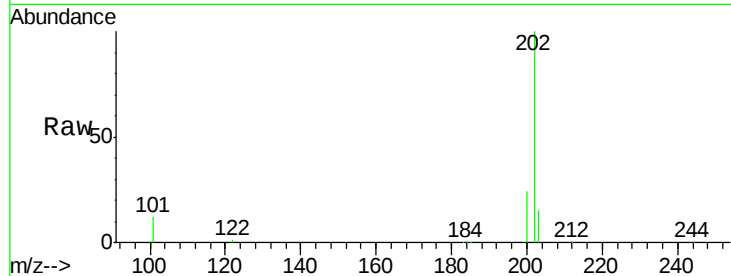
#23  
 Pyrene  
 Concen: 4.81 ng  
 RT: 19.57 min Scan# 1169  
 Delta R.T. -0.00 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB8877BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 334213 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.0  | 16.4  | 24.6   |
| 203       | 17.7  | 14.6  | 21.8   |

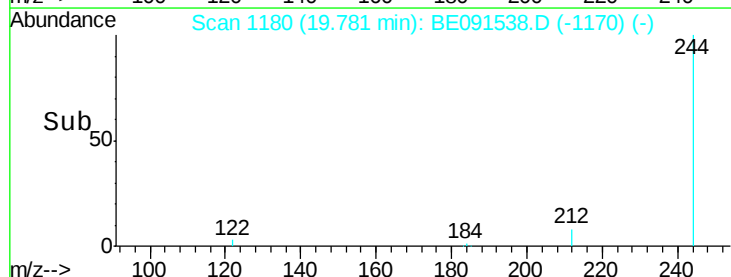
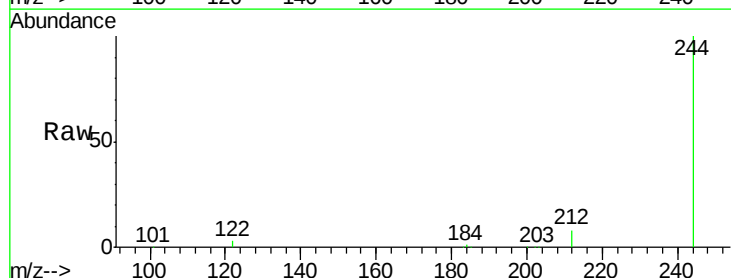
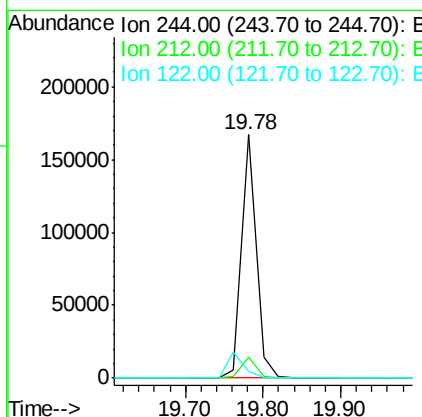
Manual Integrations  
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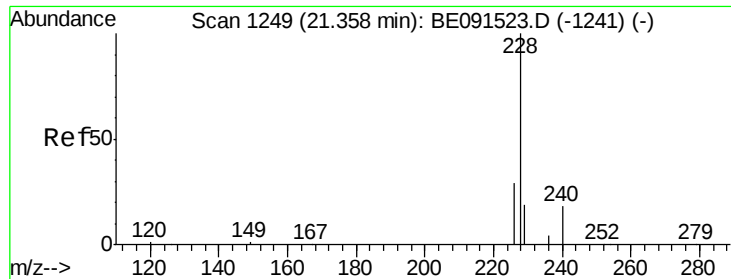
Sohil  
 3/29/2016 5:05:40 PM



#24  
 Terphenyl-d14  
 Concen: 4.51 ng  
 RT: 19.78 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 218274 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.5   | 5.8   | 8.8    |
| 122       | 2.8   | 1.8   | 2.8#   |





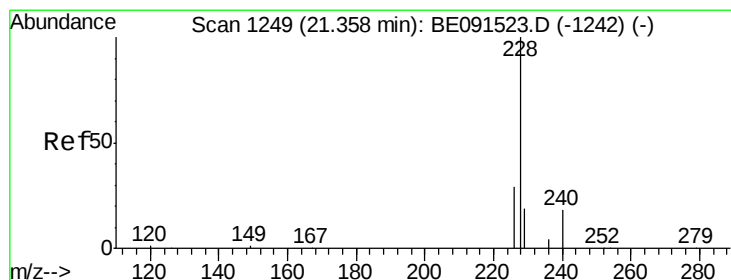
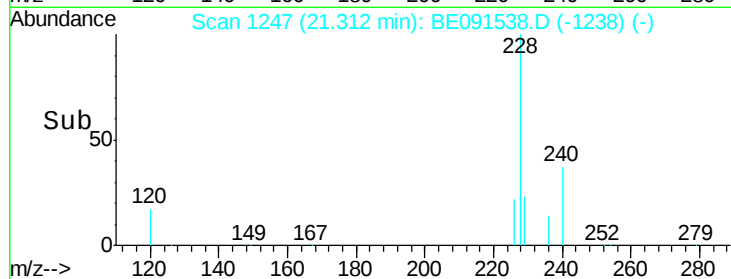
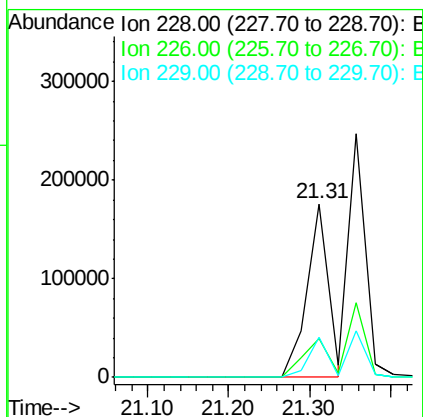
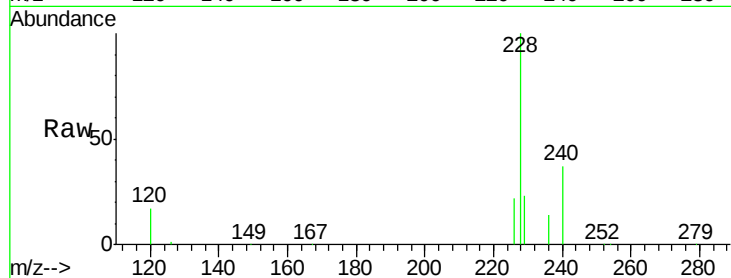
#25  
Benzo(a)anthracene  
Concen: 4.79 ng  
RT: 21.31 min Scan# 1247  
Delta R.T. -0.00 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

Instrument :  
BNA\_E  
ClientSampleId :  
PB88877BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 22.4  | 24.0  | 36.0# |
| 229     | 22.8  | 13.8  | 20.6# |

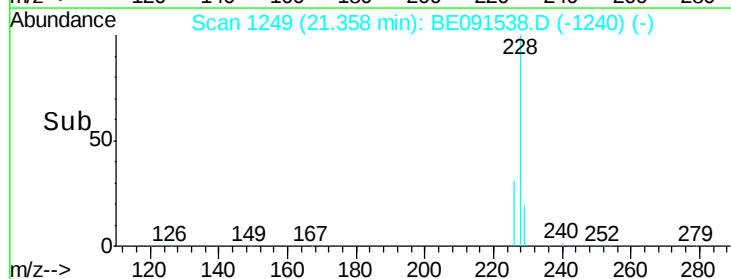
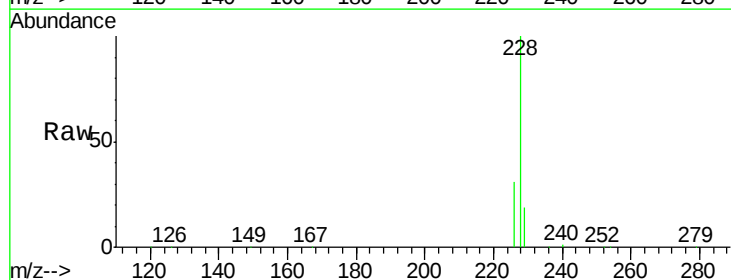
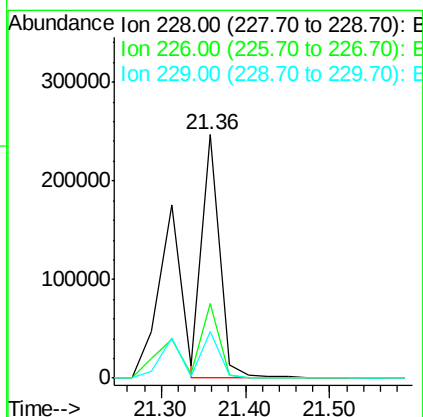
Manual Integrations  
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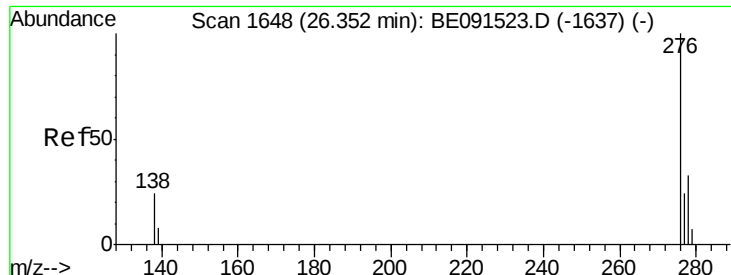
Sohil  
3/29/2016 5:05:40 PM



#26  
Chrysene  
Concen: 4.14 ng m  
RT: 21.36 min Scan# 1249  
Delta R.T. -0.00 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 18.9  | 28.3# |
| 229     | 18.9  | 19.1  | 28.7# |





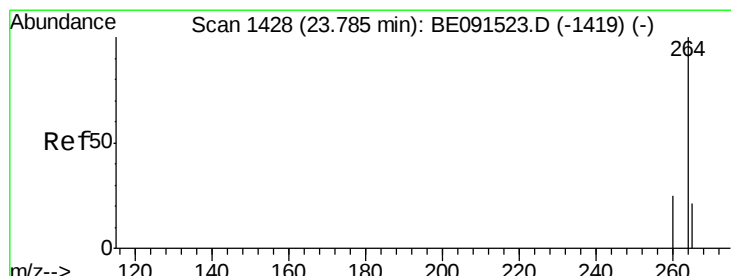
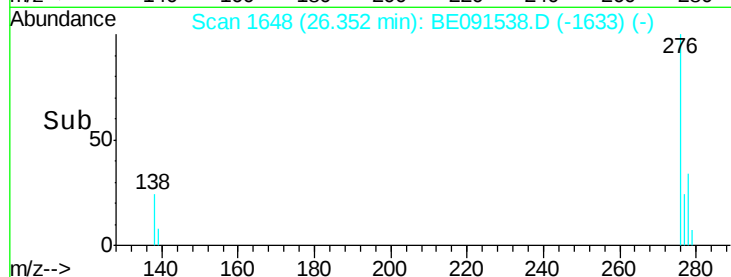
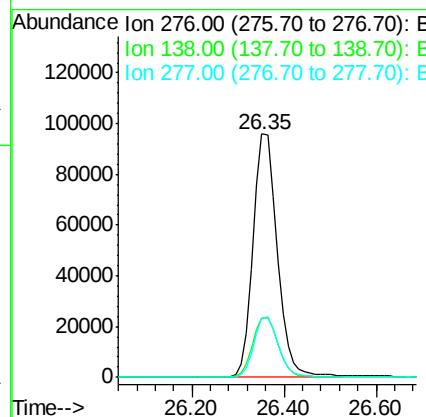
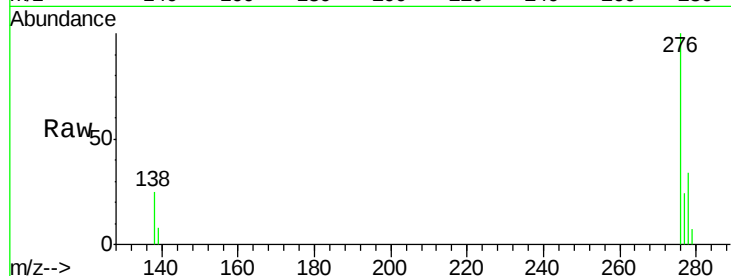
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.05 ng  
 RT: 26.35 min Scan# 1648  
 Delta R.T. -0.02 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB88877BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 25.9  | 20.2       | 30.4       |
| 277     | 24.9  | 19.8       | 29.8       |

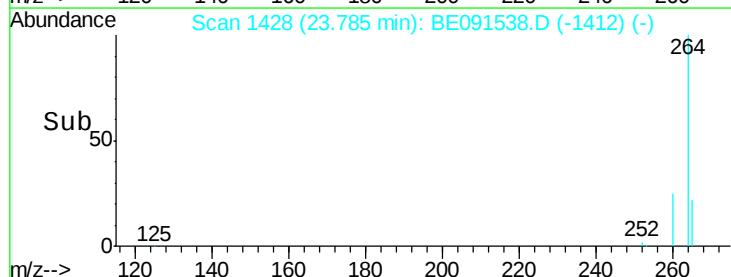
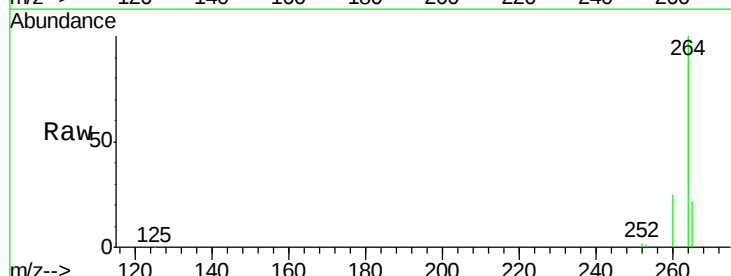
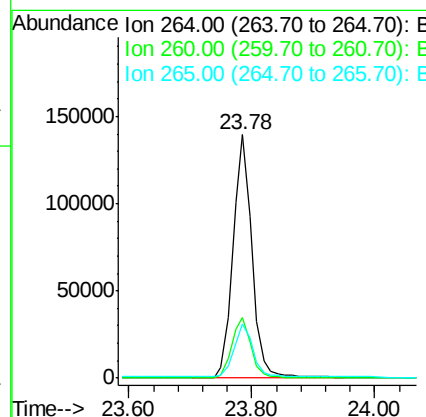
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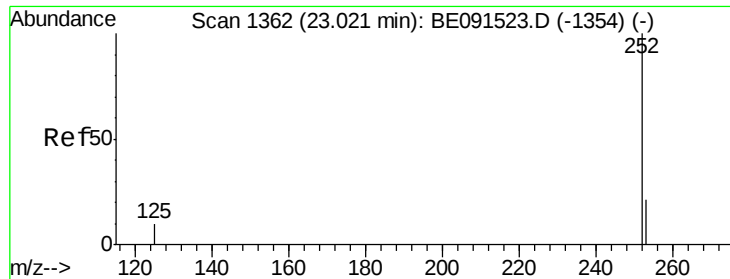
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#28  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.78 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 24.8  | 20.1       | 30.1       |
| 265     | 22.1  | 18.3       | 27.5       |





#29

Benzo(b)fluoranthene

Concen: 4.83 ng

RT: 23.02 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA\_E

ClientSampleId :

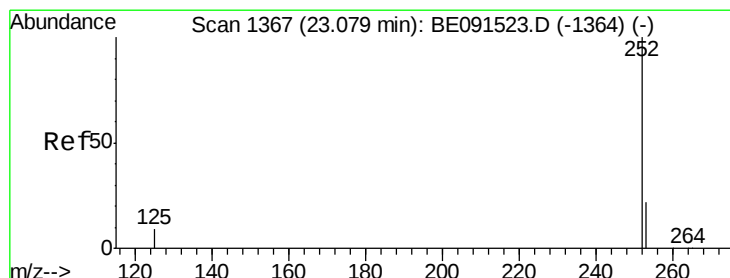
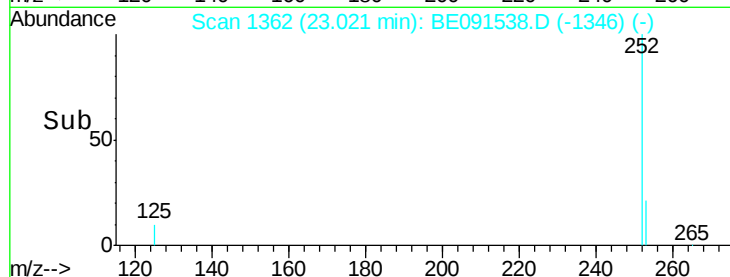
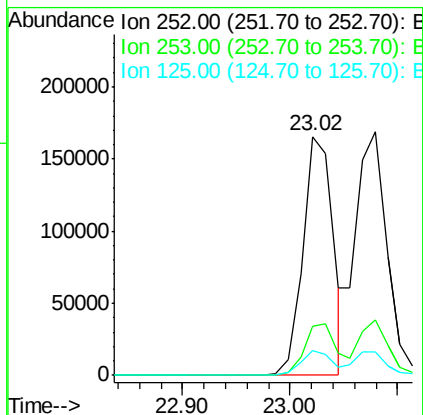
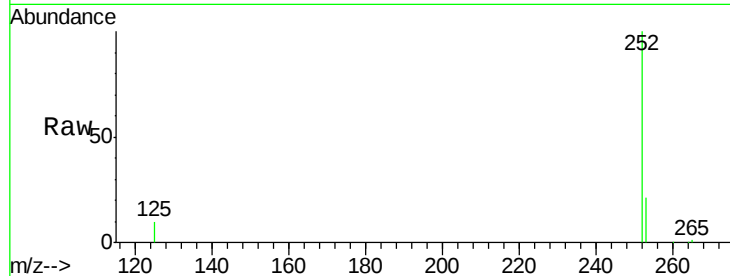
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.7  | 18.7  | 28.1  |
| 125     | 10.4  | 9.8   | 14.6  |



#30

Benzo(k)fluoranthene

Concen: 5.18 ng

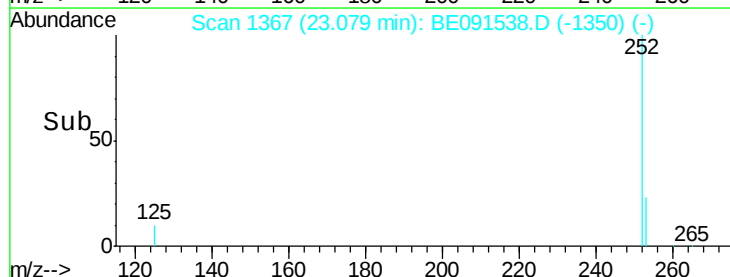
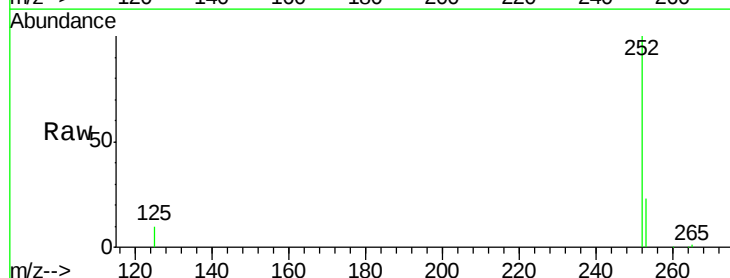
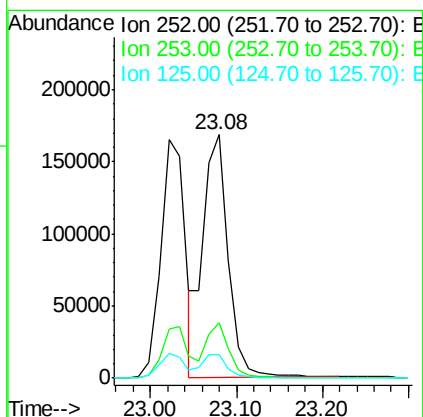
RT: 23.08 min Scan# 1367

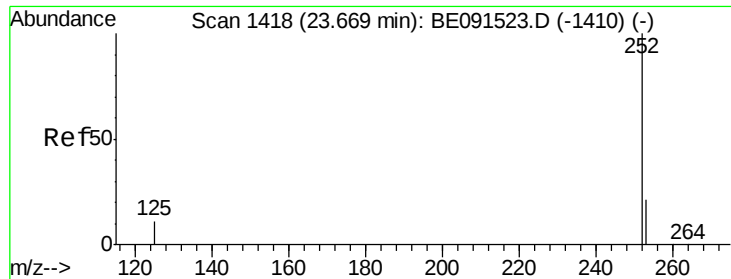
Delta R.T. 0.00 min

Lab File: BE091538.D

Acq: 28 Mar 2016 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 20.2  | 30.4  |
| 125     | 9.6   | 9.4   | 14.2  |





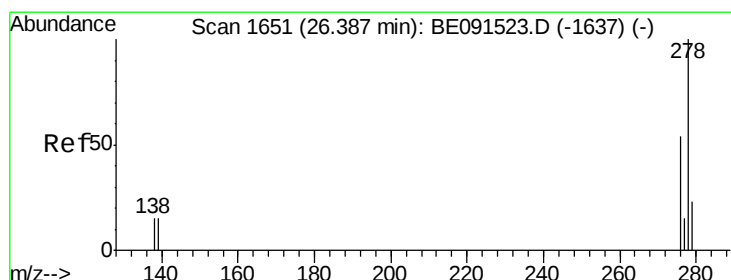
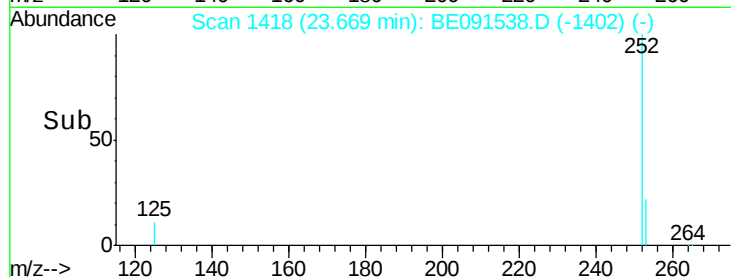
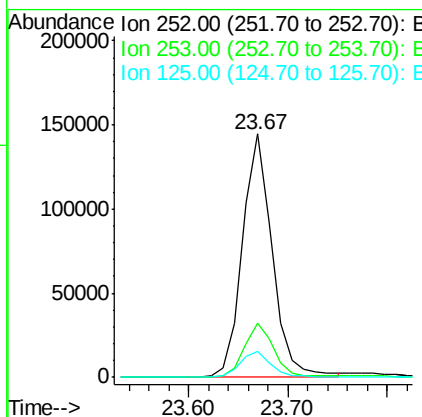
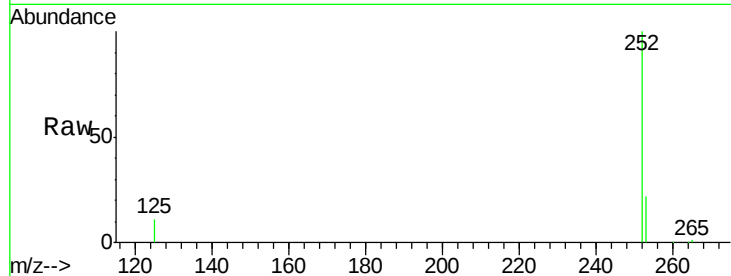
#31  
Benzo(a)pyrene  
Concen: 4.50 ng  
RT: 23.67 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

Instrument :  
BNA\_E  
ClientSampleId :  
PB88877BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 22.2  | 19.4       | 29.0       |
| 125     | 10.7  | 11.4       | 17.2       |

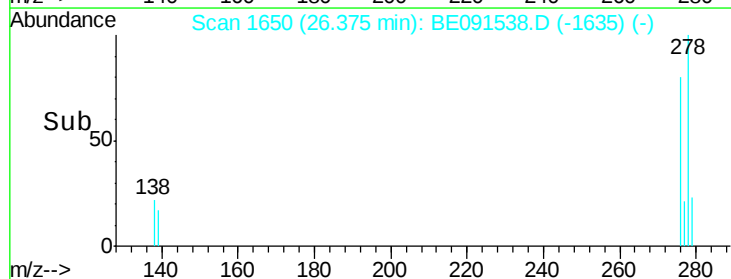
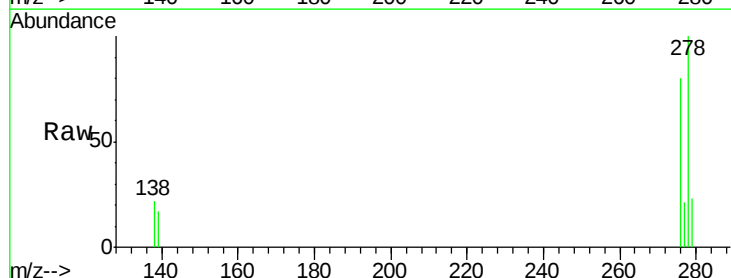
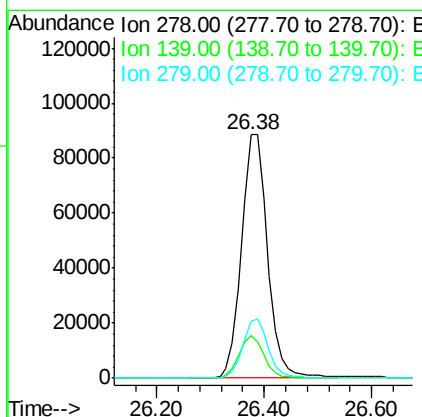
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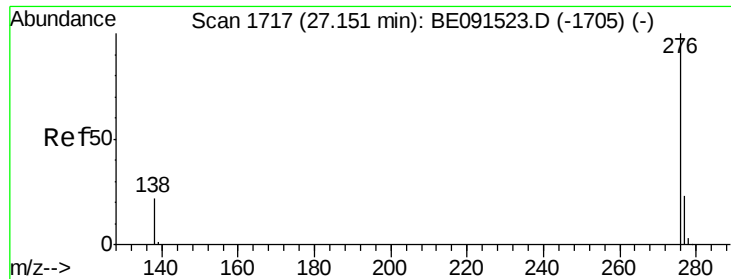
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#32  
Dibenzo(a,h)anthracene  
Concen: 5.07 ng  
RT: 26.38 min Scan# 1650  
Delta R.T. -0.02 min  
Lab File: BE091538.D  
Acq: 28 Mar 2016 14:07

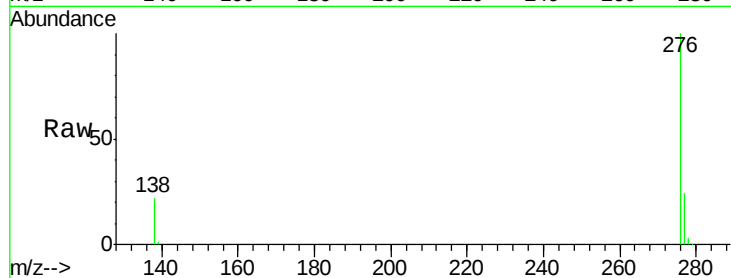
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 278     | 100   |            |            |
| 139     | 17.5  | 14.2       | 21.4       |
| 279     | 23.0  | 19.6       | 29.4       |





#33  
 Benzo(g,h,i)perylene  
 Concen: 4.87 ng  
 RT: 27.15 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BE091538.D  
 Acq: 28 Mar 2016 14:07

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB88877BS



|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 276  | Resp: | 299292 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 23.6 | 19.4  | 29.2   |
| 138       | 21.8 | 18.2  | 27.4   |

Manual Integrations  
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