

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090515\  
 Data File : BF081516.D  
 Acq On : 6 Sep 2015 18:24  
 Operator : UM/IZ  
 Sample : G3472-05  
 Misc :  
 ALS Vial : 91 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP001

Manual Integrations  
 APPROVED

MMDadoda  
 9/8/2015 3:59:03 PM

Quant Time: Sep 07 09:19:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 07 05:41:57 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.35  | 152  | 49181    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.64  | 136  | 186261   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.38  | 164  | 77496    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.86 | 188  | 132438   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.46 | 240  | 100208   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 14.78 | 264  | 80335    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.90  | 112  | 287169   | 90.59  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.03  | 99   | 421475   | 100.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.94  | 82   | 270932   | 70.18  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.17 | 330  | 53920    | 78.14  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.73  | 172  | 390091   | 64.51  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.43 | 244  | 227860   | 52.93  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 31) Naphthalene                | 7.67  | 128  | 22637    | 2.28   | ng    | 97       |
| 48) Acenaphthylene             | 9.24  | 152  | 36474    | 3.99   | ng    | 98       |
| 49) Dimethylphthalate          | 9.13  | 163  | 97943    | 16.27  | ng    | # 97     |
| 51) Acenaphthene               | 9.42  | 154  | 19331    | 3.72   | ng    | 87       |
| 54) Dibenzofuran               | 9.59  | 168  | 18402    | 2.43   | ng    | # 76     |
| 57) Fluorene                   | 9.93  | 166  | 21022m   | 3.65   | ng    |          |
| 70) Phenanthrene               | 10.88 | 178  | 347207   | 47.16  | ng    | 97       |
| 71) Anthracene                 | 10.92 | 178  | 81048    | 10.71  | ng    | 98       |
| 72) Carbazole                  | 11.10 | 167  | 37061    | 5.22   | ng    | 96       |
| 74) Fluoranthene               | 12.06 | 202  | 599824   | 75.25  | ng    | 89       |
| 77) Pyrene                     | 12.27 | 202  | 470689m  | 63.41  | ng    |          |
| 80) Benzo(a)anthracene         | 13.46 | 228  | 277878   | 43.54  | ng    | 95       |
| 82) Chrysene                   | 13.50 | 228  | 219461m  | 38.36  | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 13.50 | 149  | 11276    | 2.65   | ng    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 15.85 | 276  | 84954    | 20.24  | ng    | # 80     |
| 87) Benzo(b)fluoranthene       | 14.46 | 252  | 224646m  | 39.17  | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.46 | 252  | 112988m  | 23.74  | ng    |          |
| 89) Benzo(a)pyrene             | 14.73 | 252  | 162680   | 33.47  | ng    | # 83     |
| 90) Dibenzo(a,h)anthracene     | 15.86 | 278  | 21228m   | 5.65   | ng    |          |
| 91) Benzo(g,h,i)perylene       | 16.17 | 276  | 73413    | 20.48  | ng    | # 75     |

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

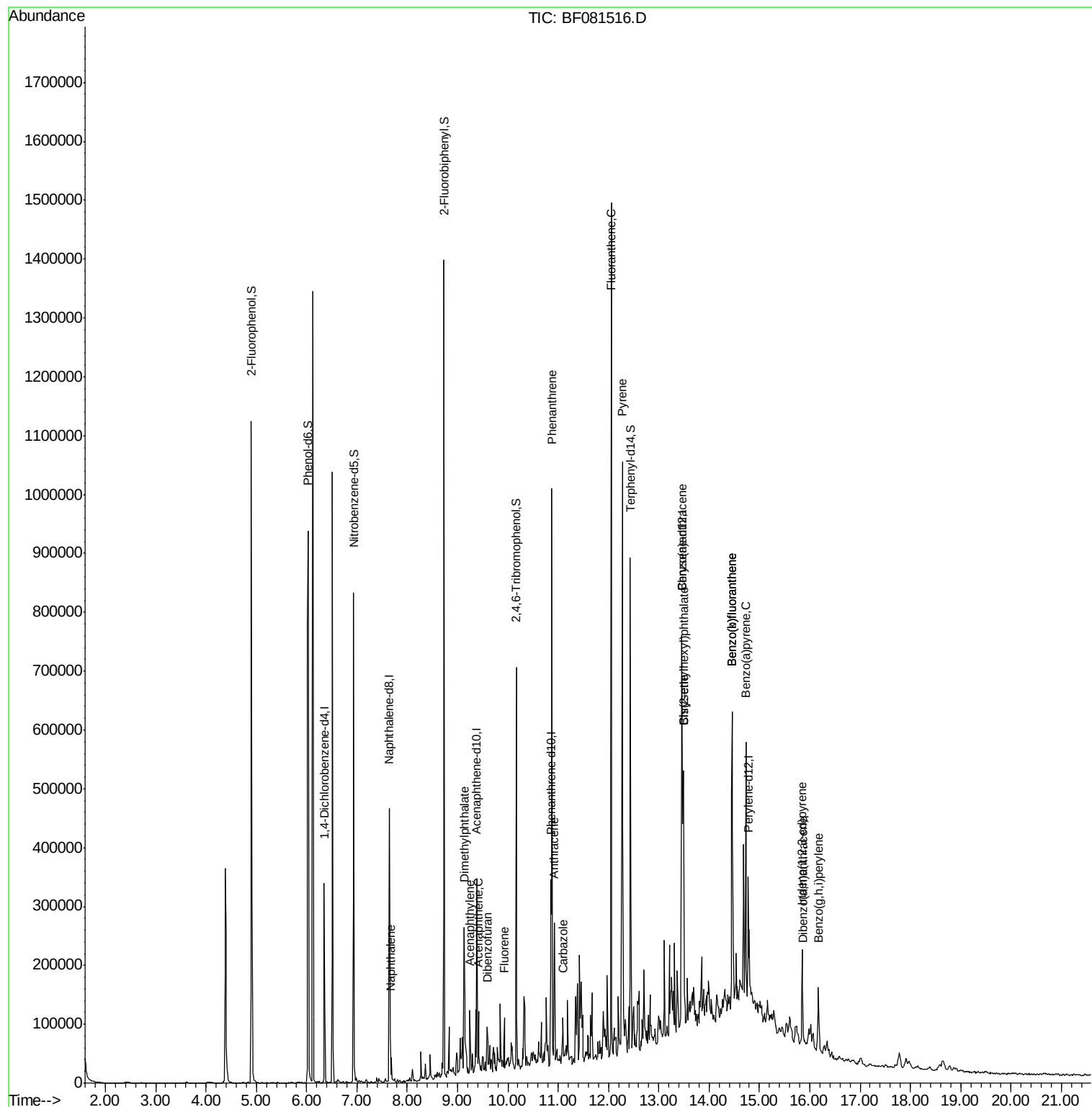
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090515\  
Data File : BF081516.D  
Acq On : 6 Sep 2015 18:24  
Operator : UM/IZ  
Sample : G3472-05  
Misc :  
ALS Vial : 91 Sample Multiplier: 1

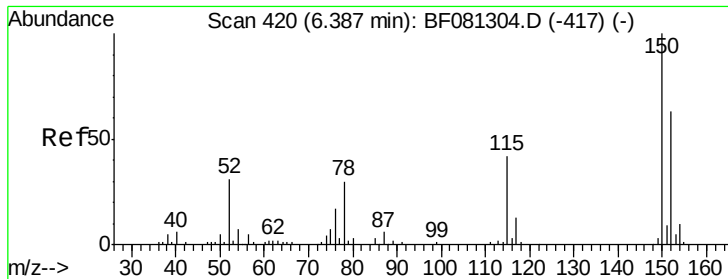
Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

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Quant Time: Sep 07 09:19:07 2015  
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QLast Update : Mon Sep 07 05:41:57 2015  
Response via : Initial Calibration

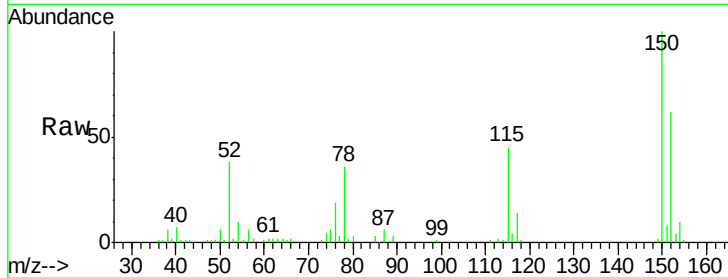




#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.35 min Scan# 417  
Delta R.T. -0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

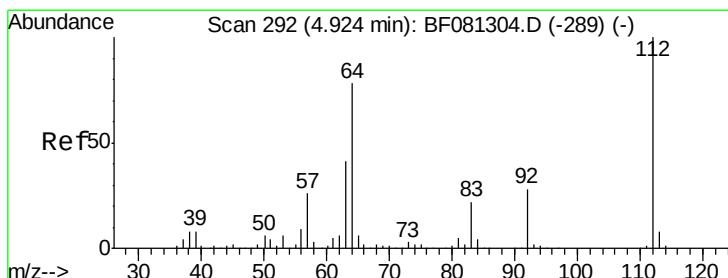
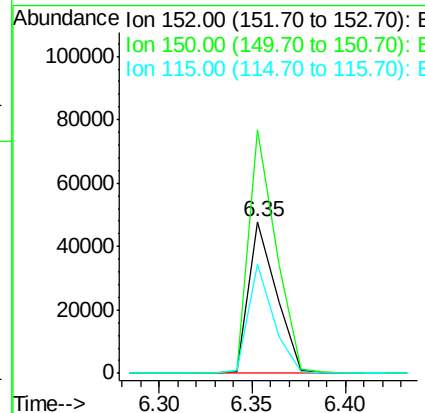
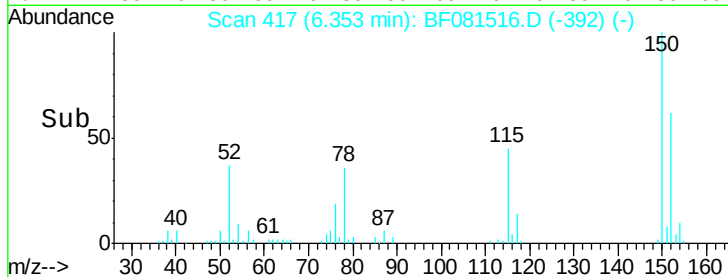
Instrument :  
BNA\_F  
ClientSampleId :  
DUP001



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.6 | 124.7 | 187.1 |
| 115     | 72.4  | 39.0  | 58.4# |

Manual Integrations  
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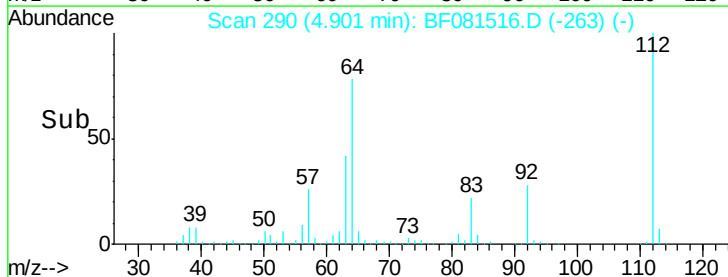
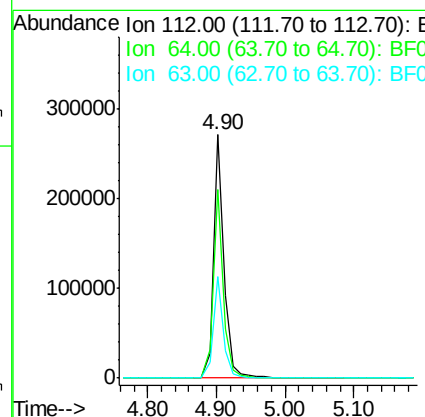
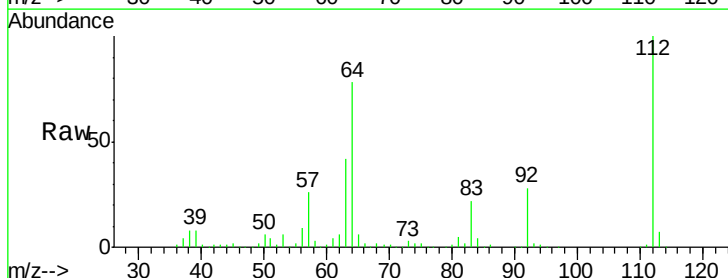
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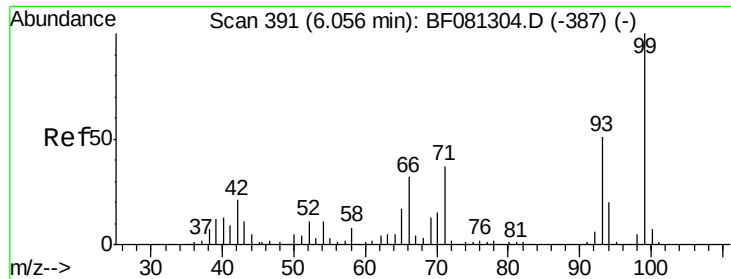


#5

2-Fluorophenol  
Concen: 90.59 ng  
RT: 4.90 min Scan# 290  
Delta R.T. 0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 77.6  | 39.7  | 59.5# |
| 63      | 41.8  | 17.4  | 26.0# |





#7

Phenol-d6

Concen: 100.45 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF081516.D

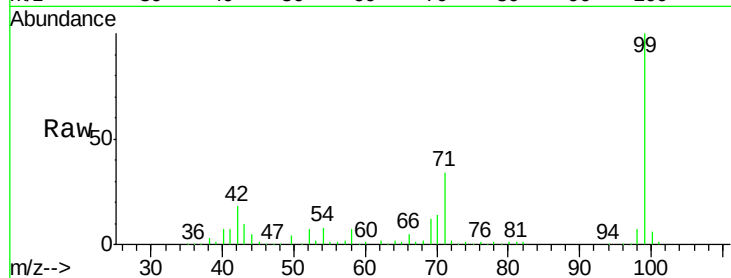
Acq: 6 Sep 2015 18:24

Instrument :

BNA\_F

ClientSampleId :

DUP001



Tgt Ion: 99 Resp: 421475

Ion Ratio Lower Upper

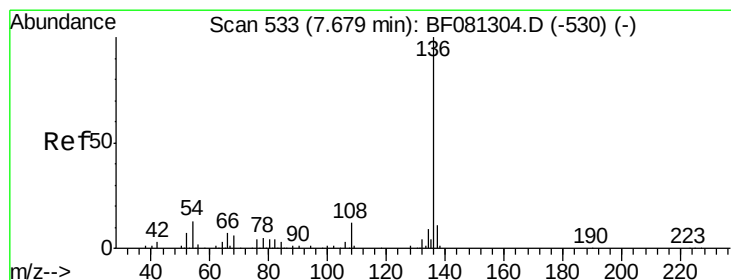
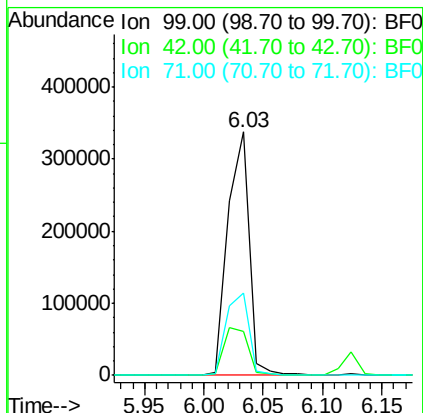
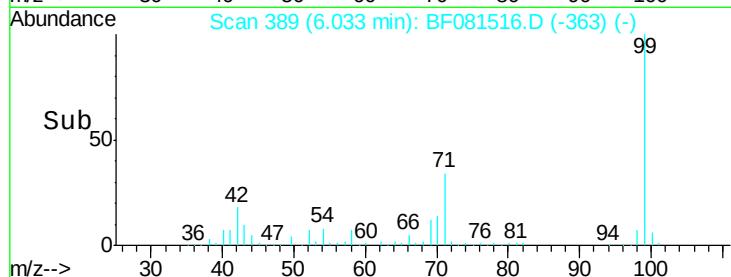
99 100

42 18.1 13.7 20.5

71 34.1 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

Tgt Ion: 136 Resp: 186261

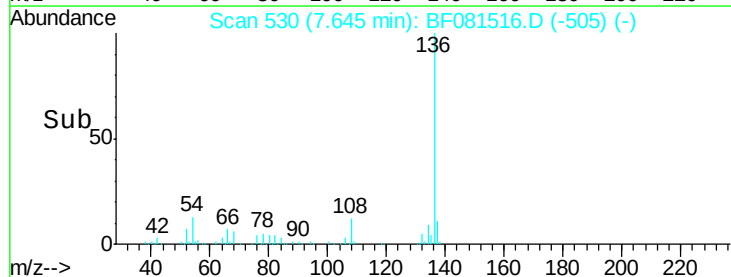
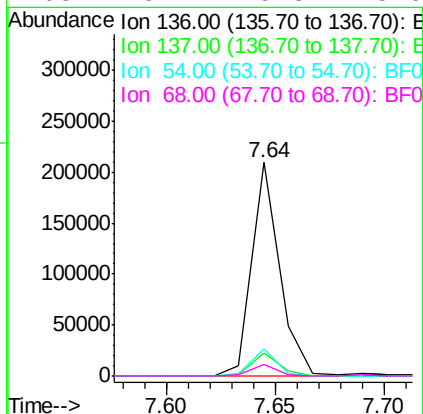
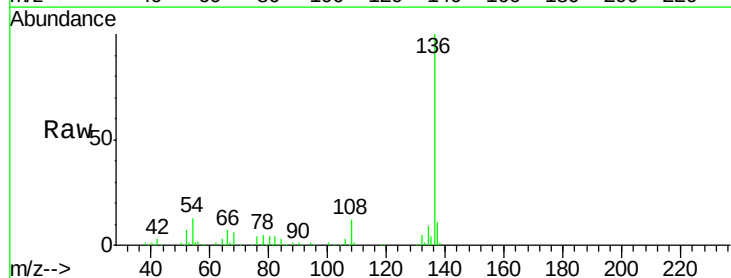
Ion Ratio Lower Upper

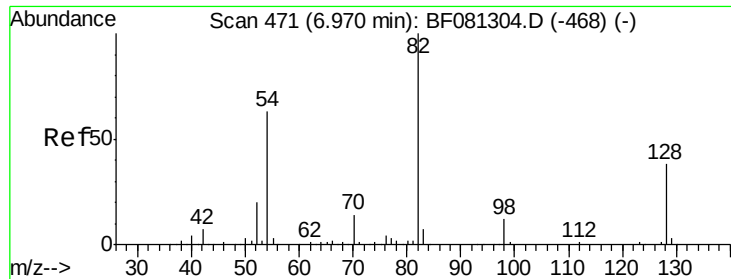
136 100

137 10.9 9.0 13.6

54 12.7 8.2 12.2#

68 5.7 5.8 8.6#





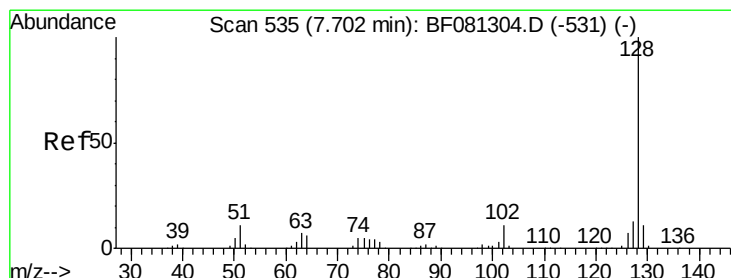
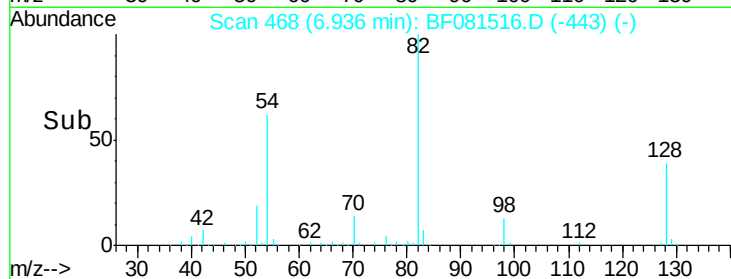
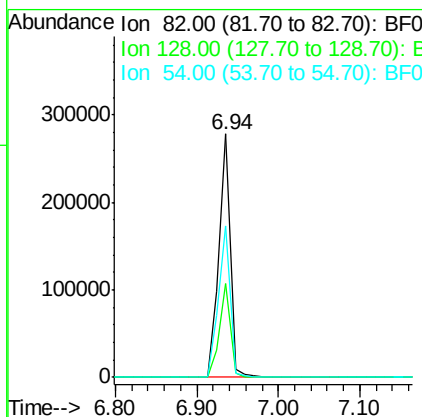
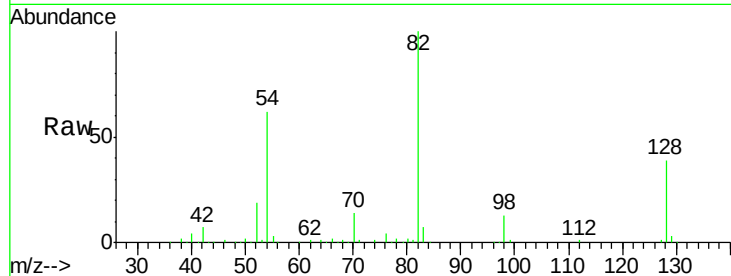
#23  
 Nitrobenzene-d5  
 Concen: 70.18 ng  
 RT: 6.94 min Scan# 468  
 Delta R.T. -0.01 min  
 Lab File: BF081516.D  
 Acq: 6 Sep 2015 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP001

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 270932 |       |       |
| 128     | 38.8  | 51.0   | 76.6# |       |
| 54      | 62.3  | 47.5   | 71.3  |       |

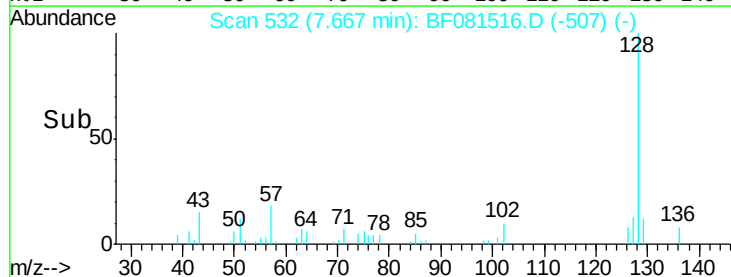
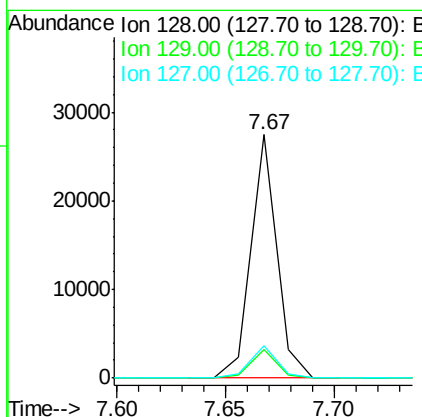
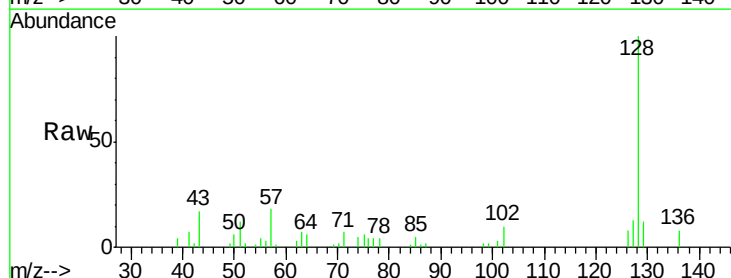
Manual Integrations  
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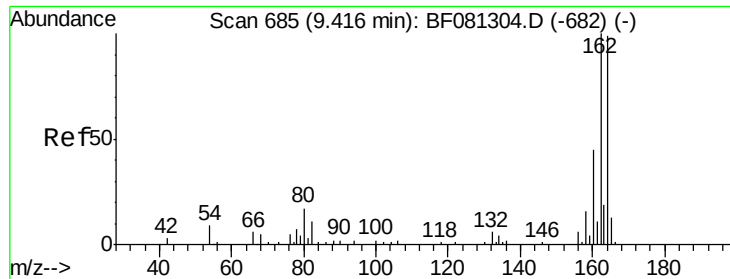
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#31  
 Naphthalene  
 Concen: 2.28 ng  
 RT: 7.67 min Scan# 532  
 Delta R.T. -0.01 min  
 Lab File: BF081516.D  
 Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 22637 |       |       |
| 129     | 11.8  | 8.4   | 12.6  |       |
| 127     | 13.1  | 9.9   | 14.9  |       |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF081516.D

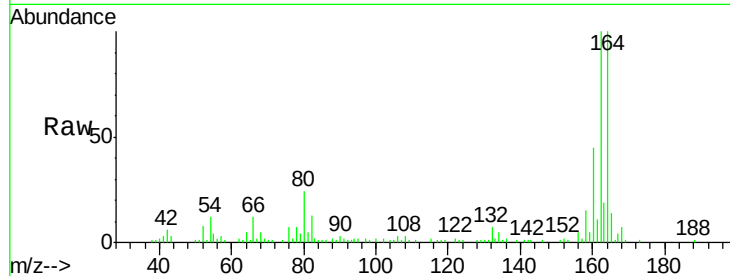
Acq: 6 Sep 2015 18:24

Instrument :

BNA\_F

ClientSampleId :

DUP001



Tgt Ion:164 Resp: 77496

Ion Ratio Lower Upper

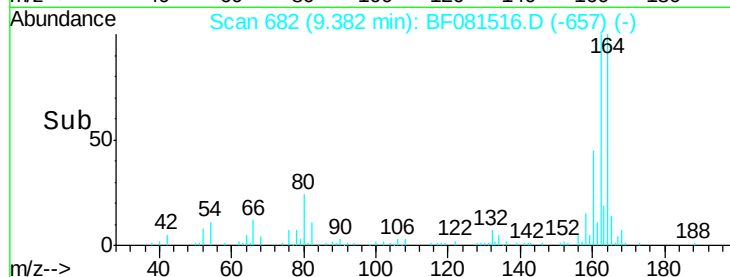
164 100

162 100.2 75.2 112.8

160 44.9 31.5 47.3

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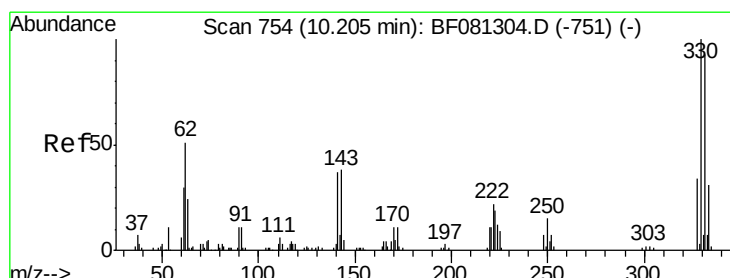
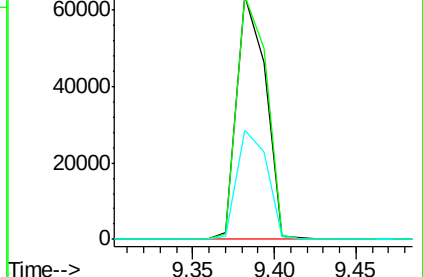
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 78.14 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

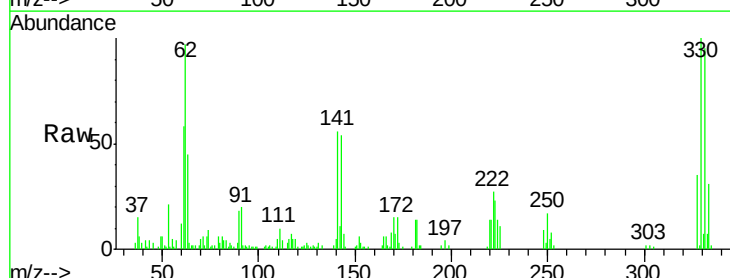
Tgt Ion:330 Resp: 53920

Ion Ratio Lower Upper

330 100

332 95.3 76.6 114.8

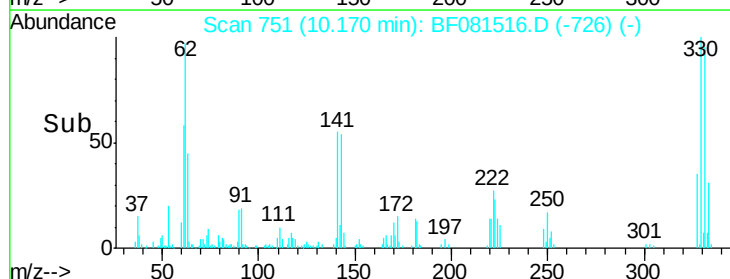
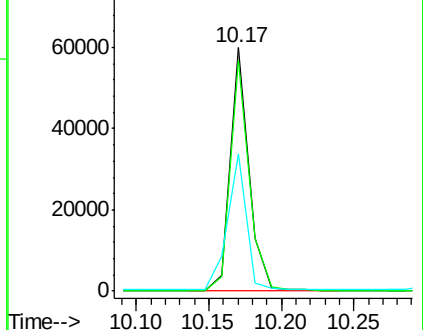
141 59.9 29.7 44.5#

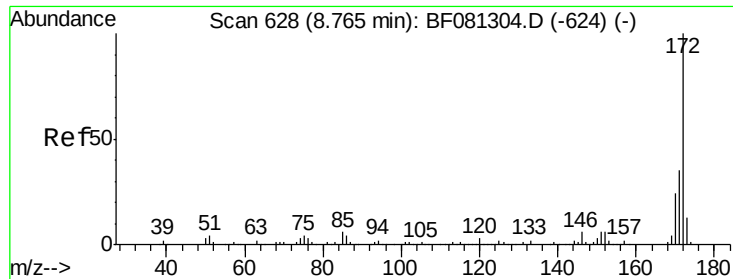


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





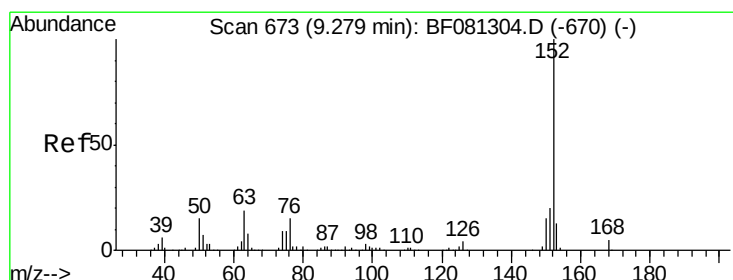
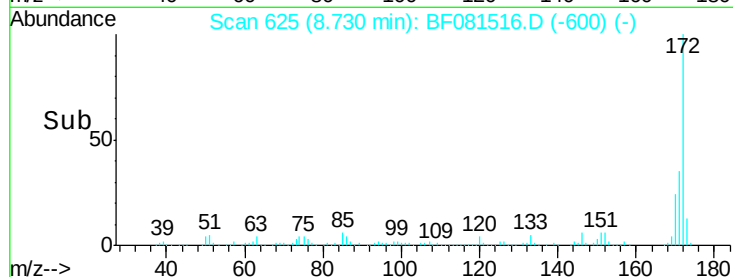
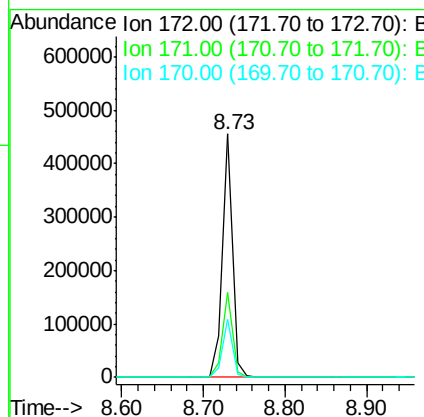
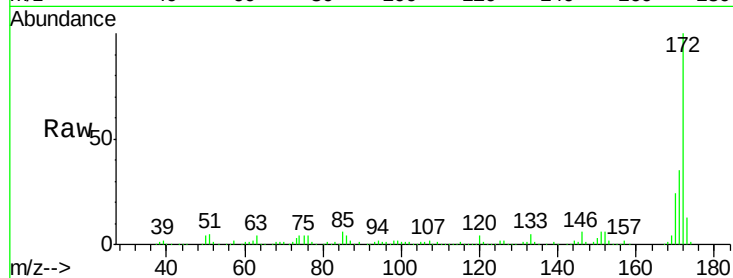
#44  
2-Fluorobiphenyl  
Concen: 64.51 ng  
RT: 8.73 min Scan# 625  
Delta R.T. -0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

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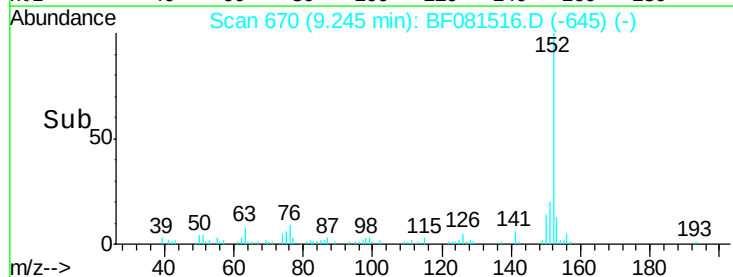
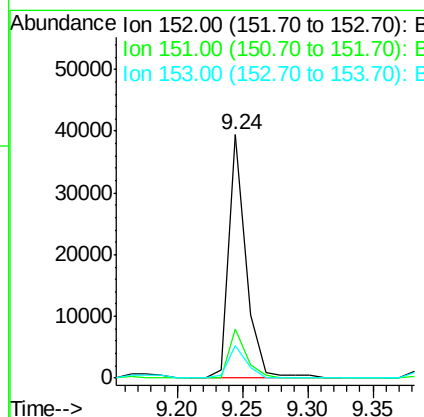
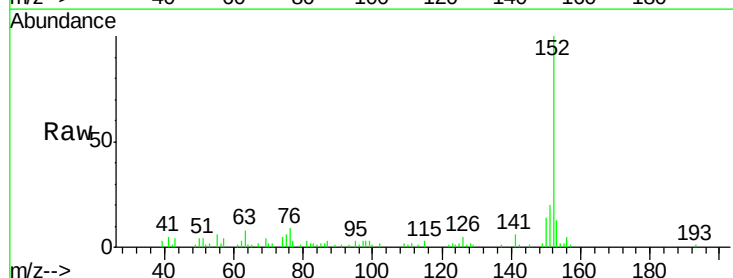
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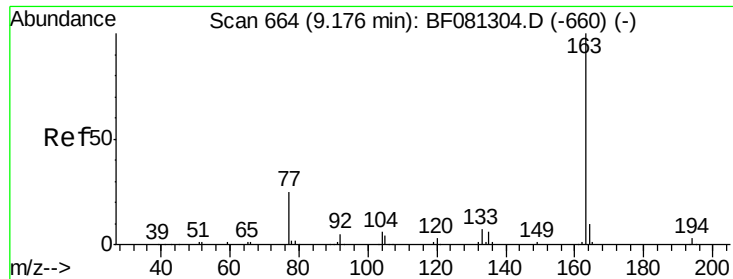
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 390091 |       |       |
| 171     | 34.8  | 26.1   | 39.1  |       |
| 170     | 23.8  | 17.4   | 26.2  |       |



#48  
Acenaphthylene  
Concen: 3.99 ng  
RT: 9.24 min Scan# 670  
Delta R.T. -0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 36474 |       |       |
| 151     | 19.9  | 14.6  | 22.0  |       |
| 153     | 13.3  | 10.3  | 15.5  |       |





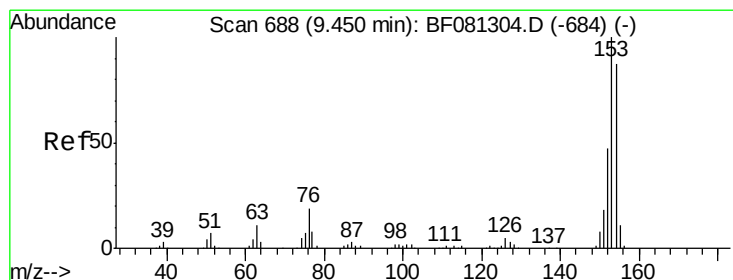
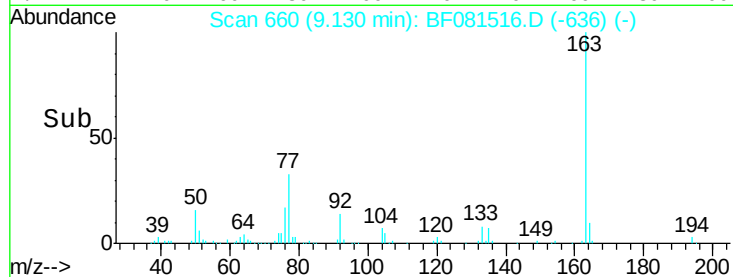
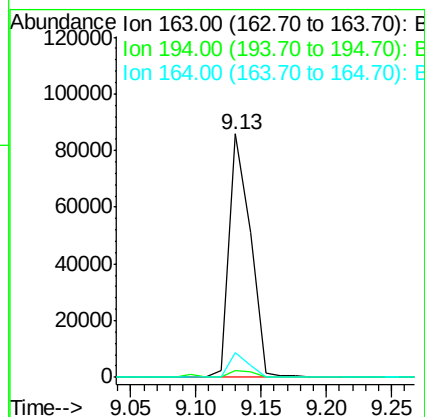
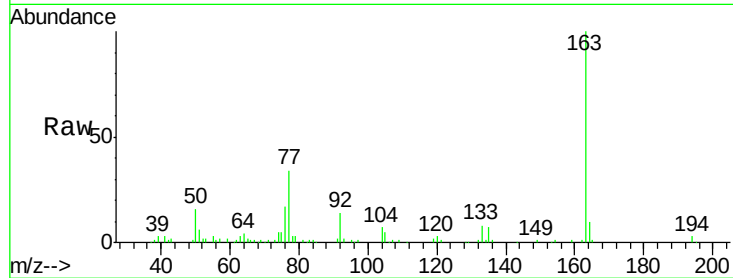
#49  
Dimethylphthalate  
Concen: 16.27 ng  
RT: 9.13 min Scan# 660  
Delta R.T. -0.02 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 97943 |       |       |
| 194     | 2.7   | 4.4   | 6.6#  |       |
| 164     | 10.3  | 8.3   | 12.5  |       |

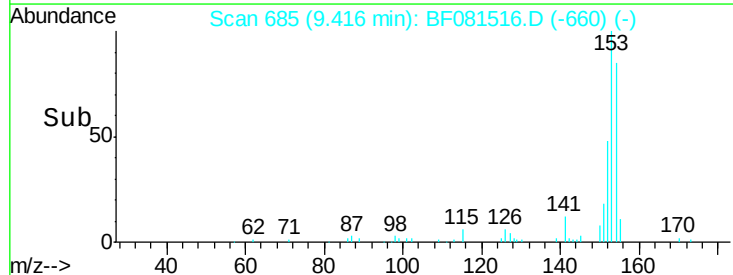
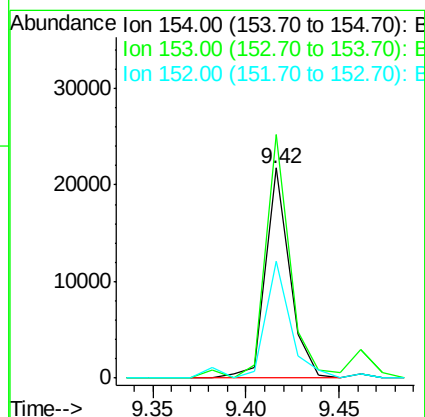
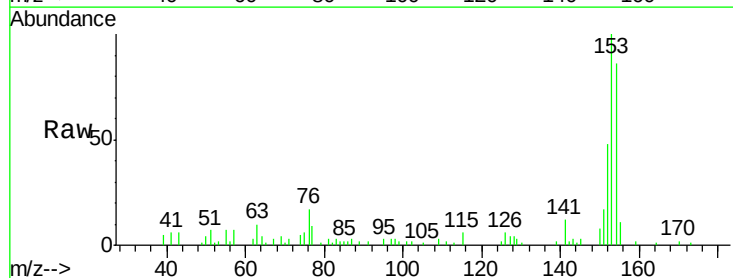
Manual Integrations  
APPROVED

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9/8/2015 3:59:03 PM

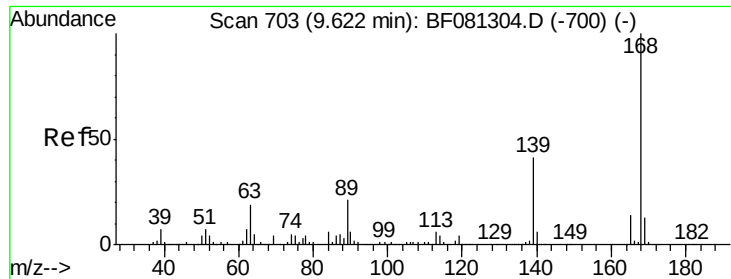


#51  
Acenaphthene  
Concen: 3.72 ng  
RT: 9.42 min Scan# 685  
Delta R.T. -0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 19331 |       |       |
| 153     | 115.8 | 82.1  | 123.1 |       |
| 152     | 55.5  | 37.9  | 56.9  |       |







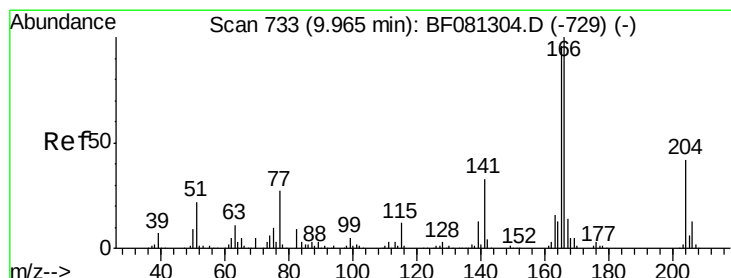
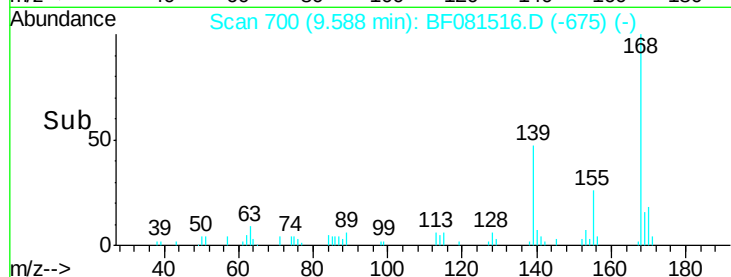
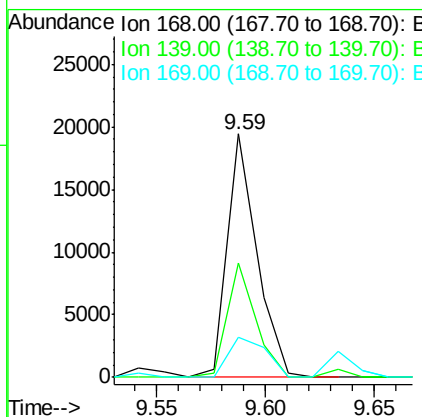
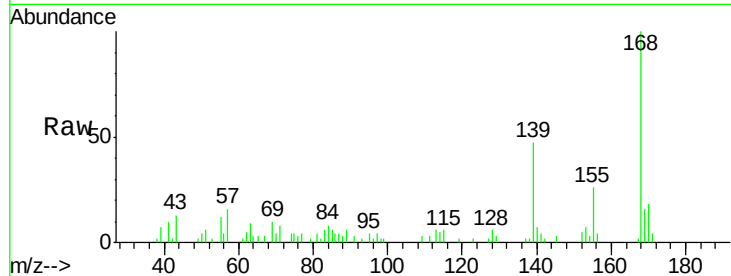
#54  
Dibenzenofuran  
Concen: 2.43 ng  
RT: 9.59 min Scan# 700  
Delta R.T. -0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 47.0  | 24.2  | 36.2# |
| 169     | 16.4  | 10.6  | 15.8# |

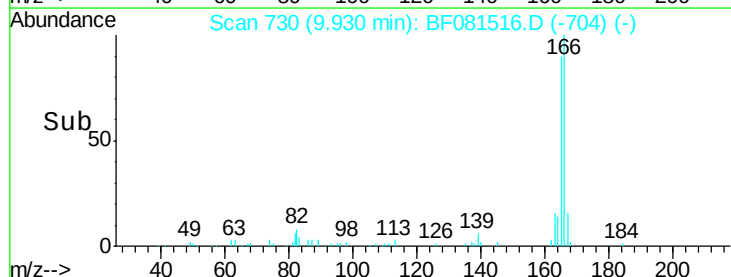
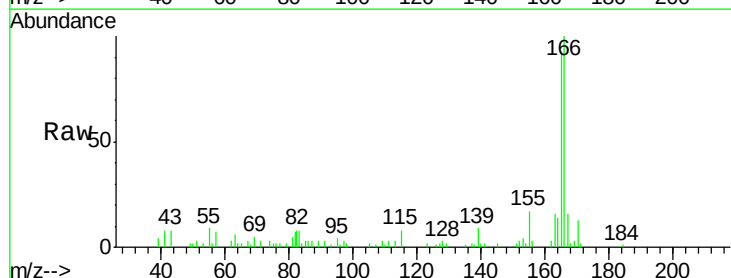
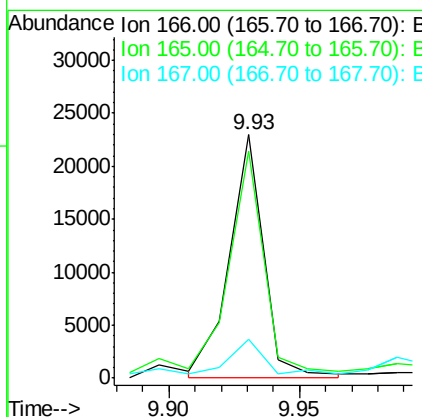
Manual Integrations  
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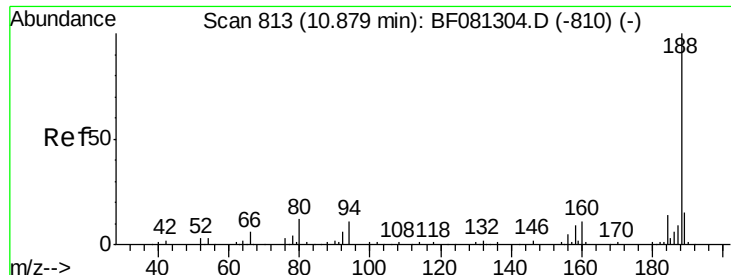
MMDadoda  
9/8/2015 3:59:03 PM



#57  
Fluorene  
Concen: 3.65 ng m  
RT: 9.93 min Scan# 730  
Delta R.T. -0.00 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 93.1  | 72.6  | 109.0 |
| 167     | 16.0  | 10.6  | 16.0# |





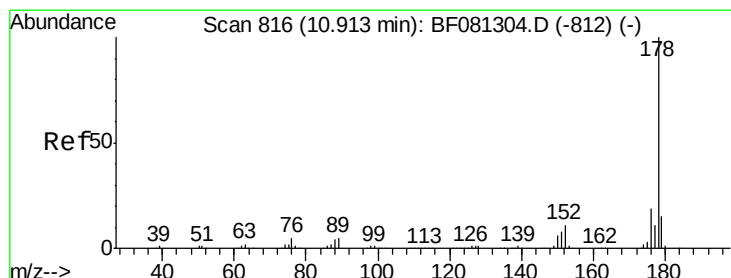
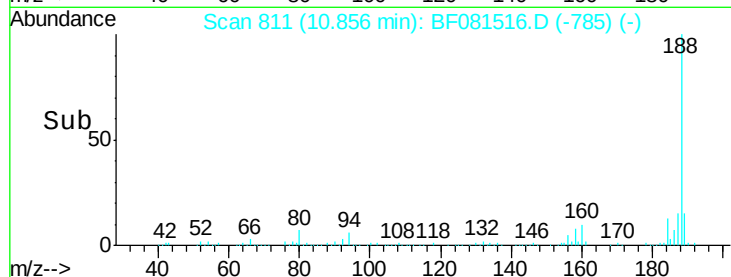
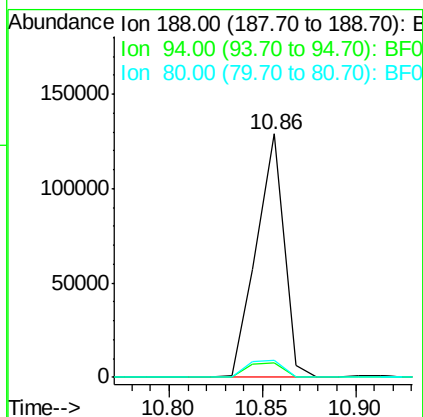
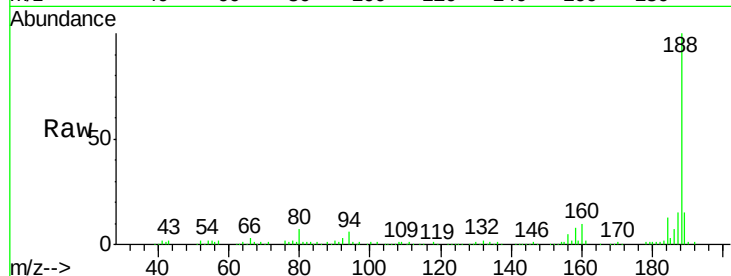
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.86 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 6.2   | 11.1       | 16.7#      |
| 80      | 6.8   | 11.0       | 16.4#      |

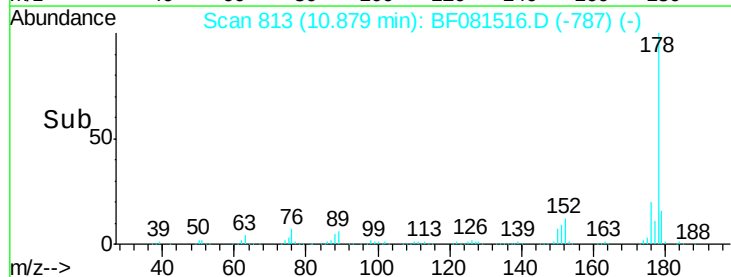
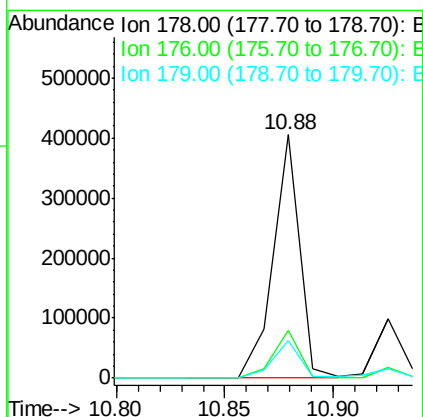
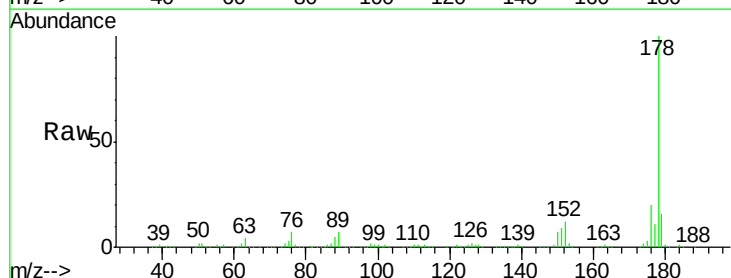
Manual Integrations  
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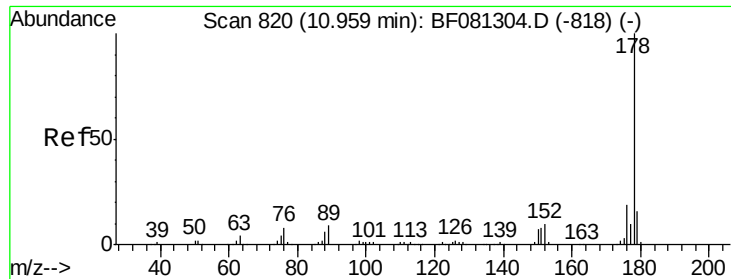
MMDadoda  
9/8/2015 3:59:03 PM



#70  
Phenanthrene  
Concen: 47.16 ng  
RT: 10.88 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 19.7  | 13.8       | 20.8       |
| 179     | 15.7  | 12.2       | 18.2       |





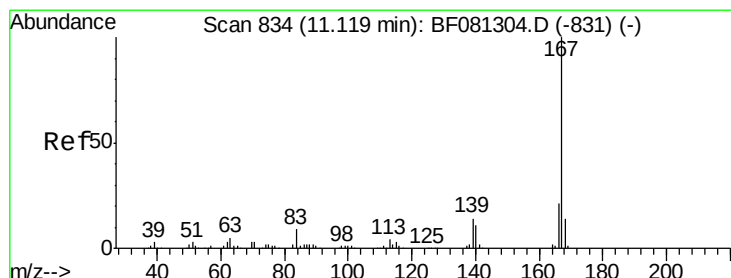
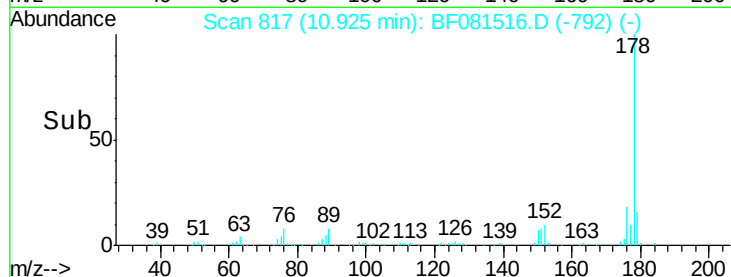
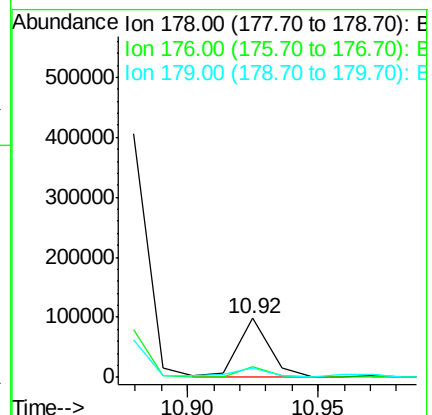
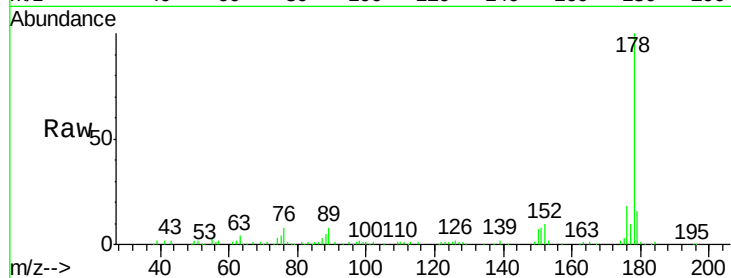
#71  
 Anthracene  
 Concen: 10.71 ng  
 RT: 10.92 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF081516.D  
 Acq: 6 Sep 2015 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 14.1  | 21.1  |
| 179     | 16.1  | 12.2  | 18.2  |

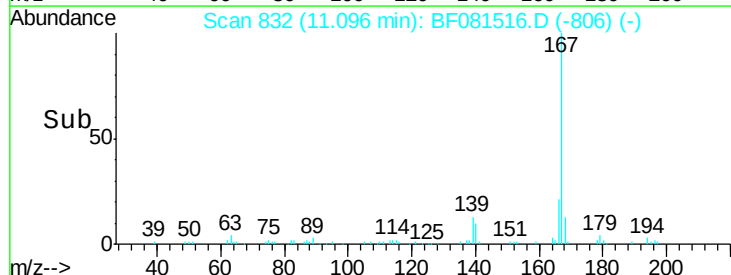
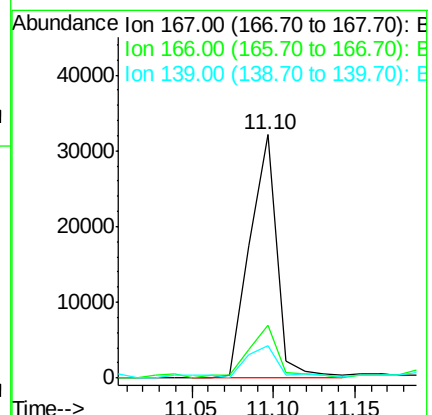
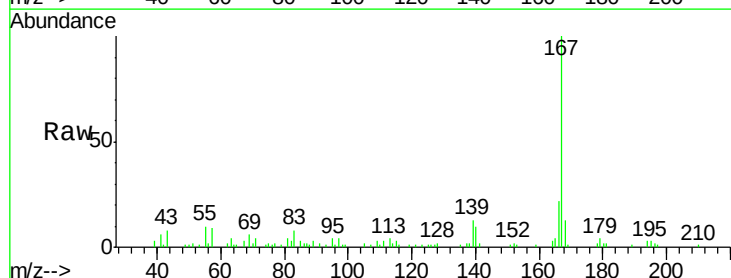
Manual Integrations  
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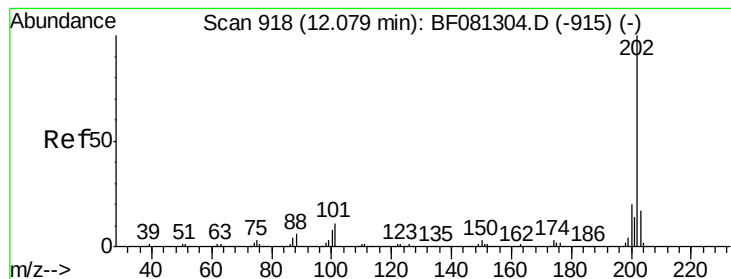
MMDadoda  
 9/8/2015 3:59:03 PM



#72  
 Carbazole  
 Concen: 5.22 ng  
 RT: 11.10 min Scan# 832  
 Delta R.T. -0.00 min  
 Lab File: BF081516.D  
 Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.6  | 15.7  | 23.5  |
| 139     | 13.1  | 9.5   | 14.3  |





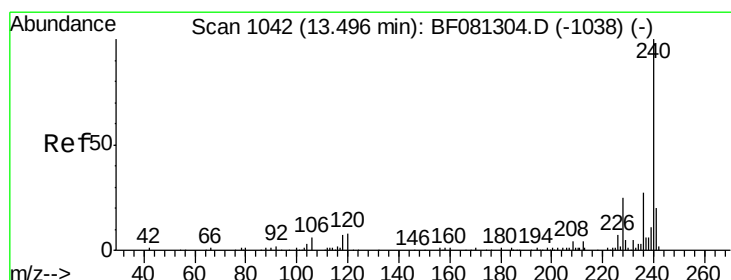
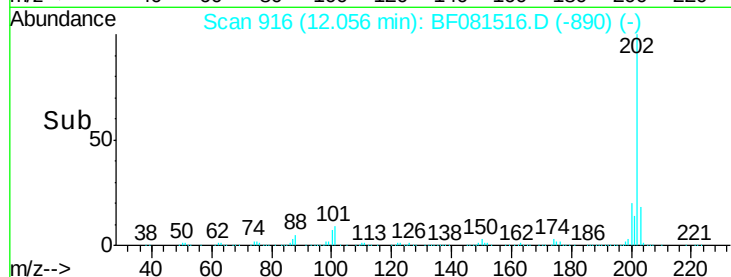
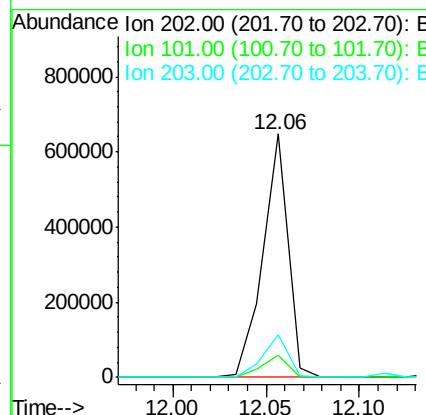
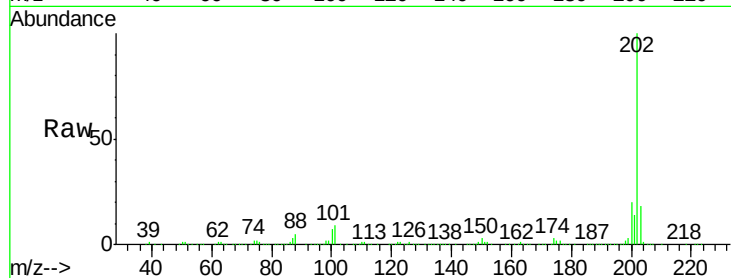
#74  
 Fluoranthene  
 Concen: 75.25 ng  
 RT: 12.06 min Scan# 916  
 Delta R.T. -0.00 min  
 Lab File: BF081516.D  
 Acq: 6 Sep 2015 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP001

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 9.0   | 0.0        | 38.3       |
| 203     | 17.6  | 0.0        | 37.3       |

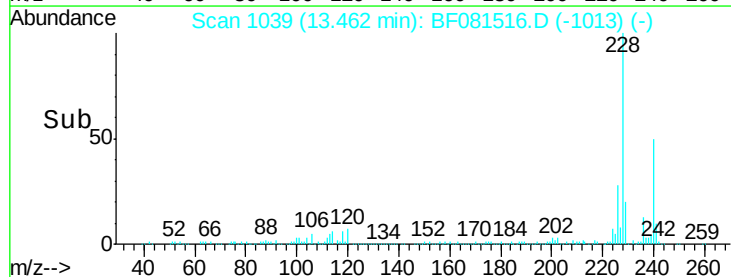
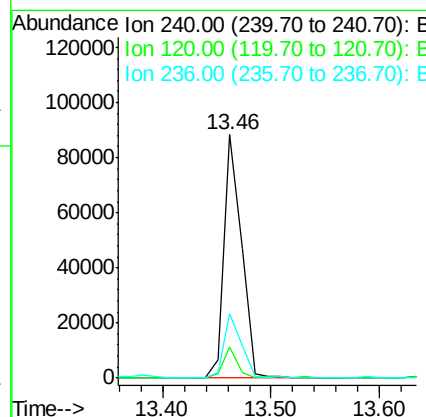
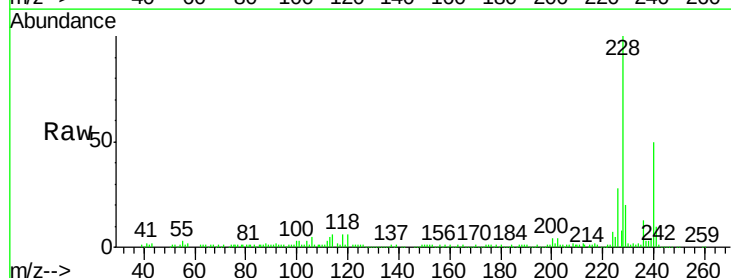
Manual Integrations  
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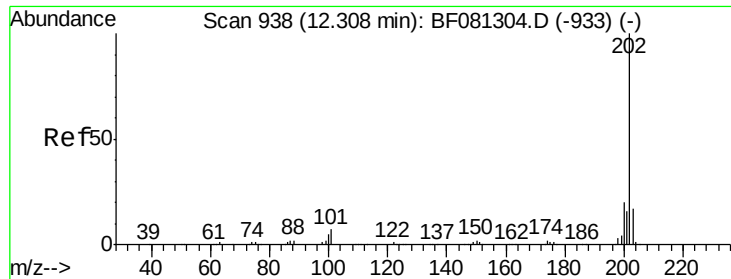
MMDadoda  
 9/8/2015 3:59:03 PM



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.46 min Scan# 1039  
 Delta R.T. -0.00 min  
 Lab File: BF081516.D  
 Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 13.0  | 16.2       | 24.2#      |
| 236     | 26.3  | 18.4       | 27.6       |





#77

Pyrene

Concen: 63.41 ng m

RT: 12.27 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

Instrument :

BNA\_F

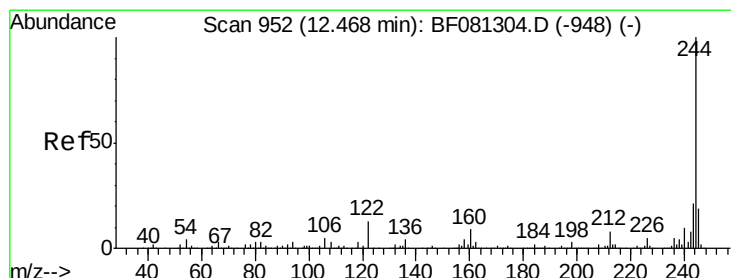
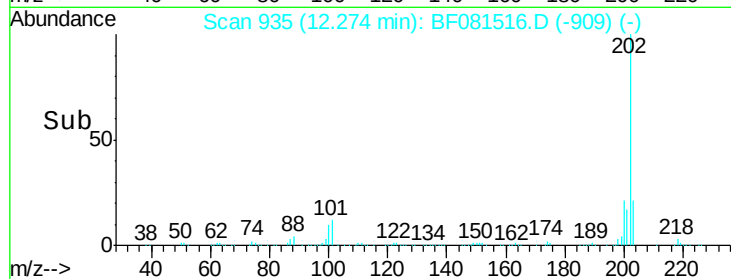
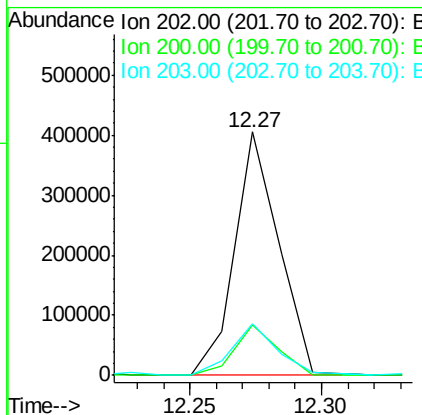
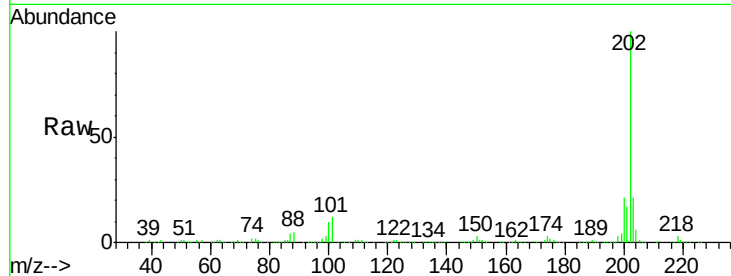
ClientSampled :

DUP001

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 470689 |       |       |
| 200     | 20.6  | 15.0   | 22.4  |       |
| 203     | 21.2  | 14.1   | 21.1# |       |

Manual Integrations  
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9/8/2015 3:59:03 PM



#78

Terphenyl-d14

Concen: 52.93 ng

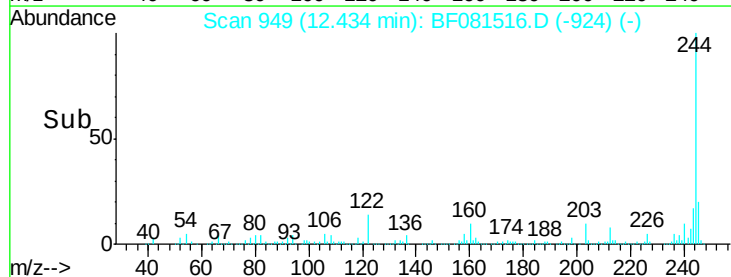
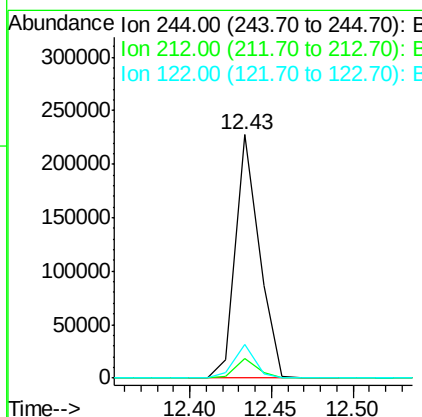
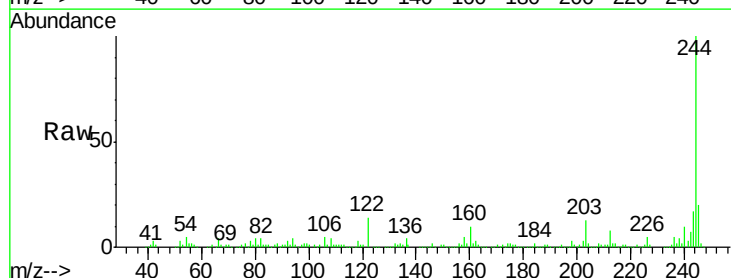
RT: 12.43 min Scan# 949

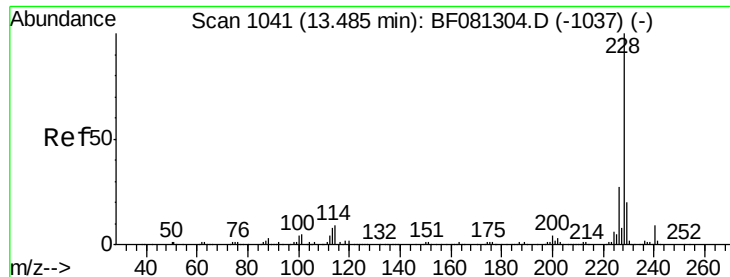
Delta R.T. -0.01 min

Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 227860 |       |       |
| 212     | 8.2   | 4.3    | 6.5#  |       |
| 122     | 13.8  | 17.4   | 26.2# |       |





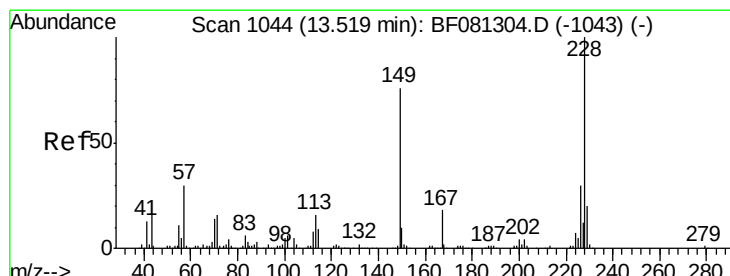
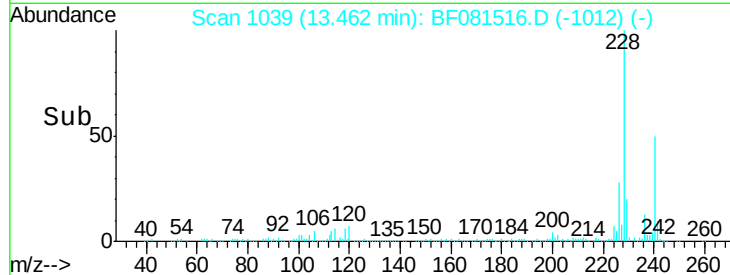
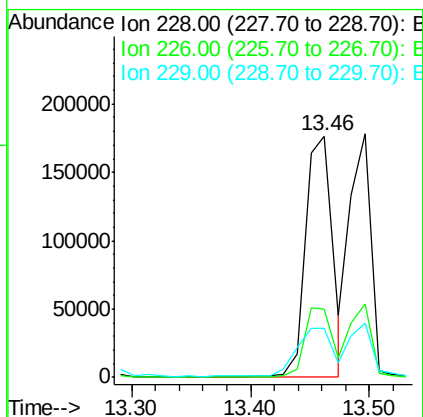
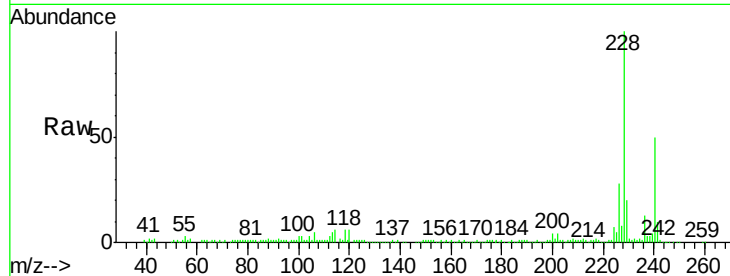
#80  
Benzo(a)anthracene  
Concen: 43.54 ng  
RT: 13.46 min Scan# 1039  
Delta R.T. 0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 277878 |       |       |
| 226     | 28.1  | 20.0   | 30.0  |       |
| 229     | 20.5  | 15.4   | 23.2  |       |

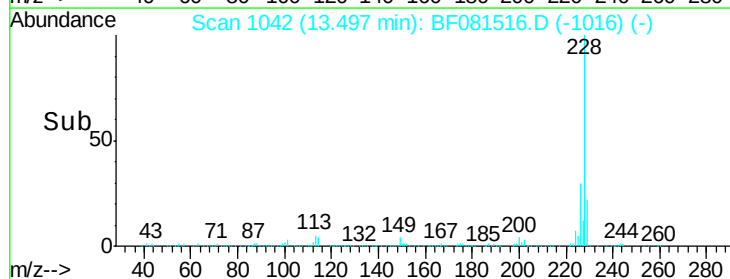
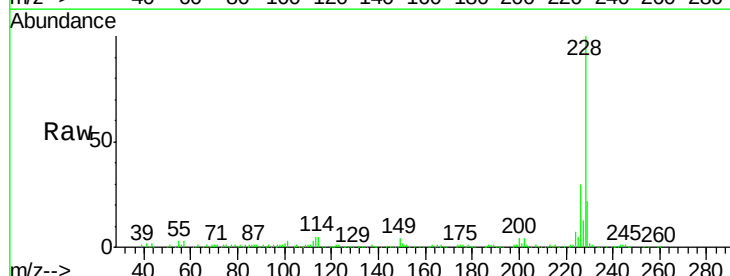
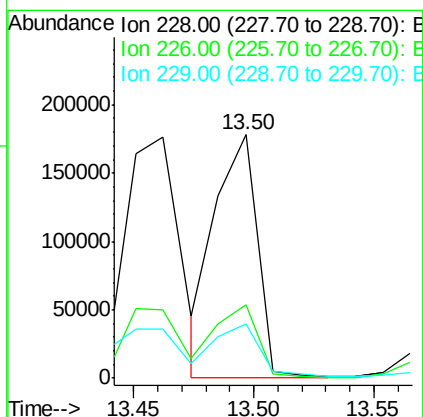
Manual Integrations  
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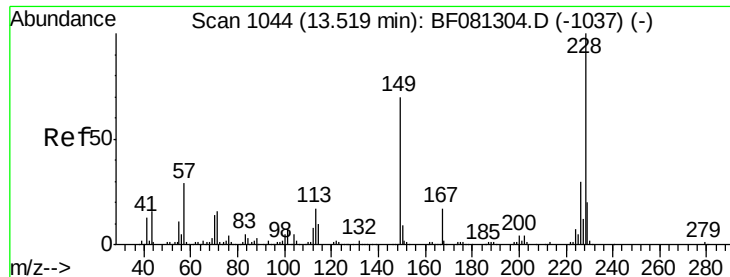
MMDadoda  
9/8/2015 3:59:03 PM



#82  
Chrysene  
Concen: 38.36 ng m  
RT: 13.50 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 219461 |       |       |
| 226     | 30.2  | 21.0   | 31.4  |       |
| 229     | 22.3  | 15.6   | 23.4  |       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.65 ng

RT: 13.50 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

Instrument :

BNA\_F

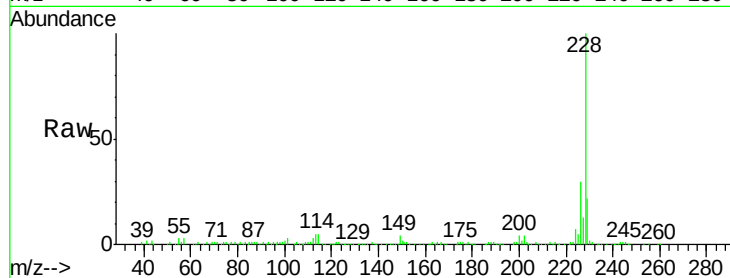
ClientSampled :

DUP001

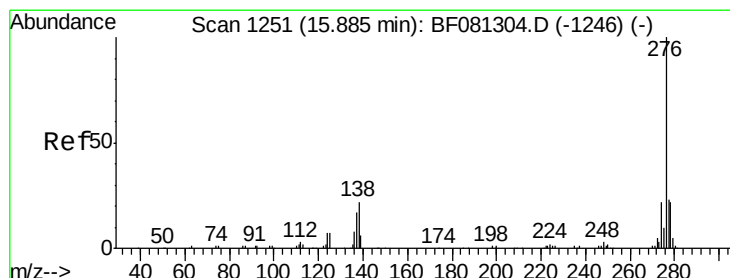
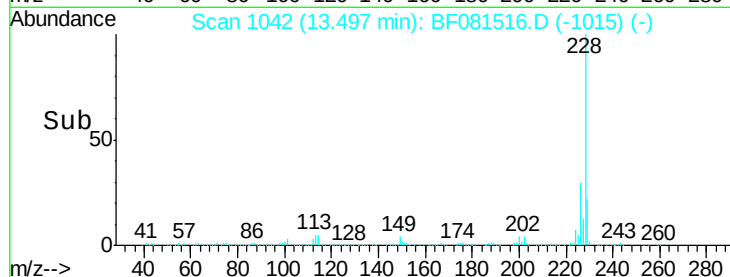
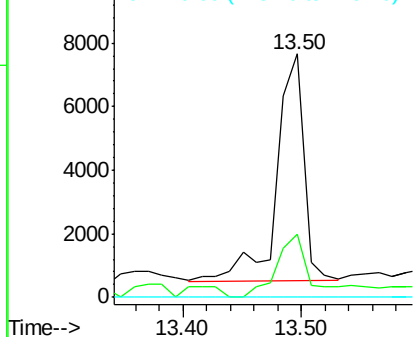
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 11276 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 26.0  | 24.2  | 36.2  |
| 279       | 0.0   | 3.8   | 5.6#  |

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.24 ng

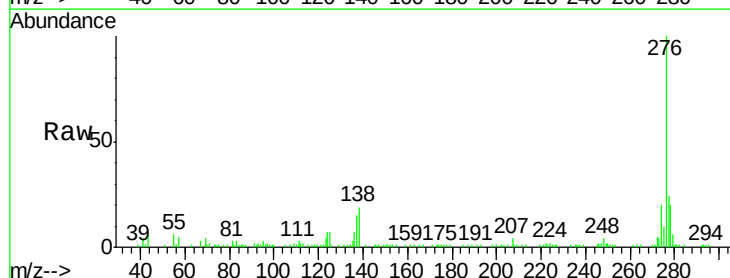
RT: 15.85 min Scan# 1248

Delta R.T. -0.00 min

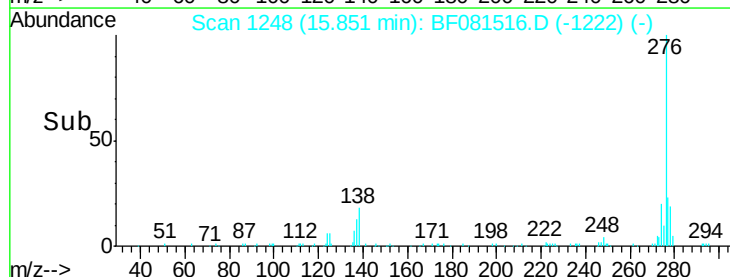
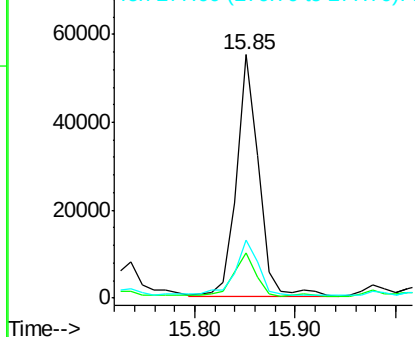
Lab File: BF081516.D

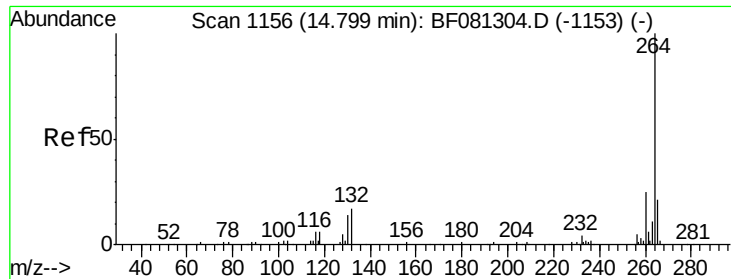
Acq: 6 Sep 2015 18:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 84954 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.5  | 25.7  | 38.5# |
| 277       | 24.3  | 15.6  | 23.4# |



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





#86

Perylene-d12

Concen: 20.00 ng

RT: 14.78 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

Instrument :

BNA\_F

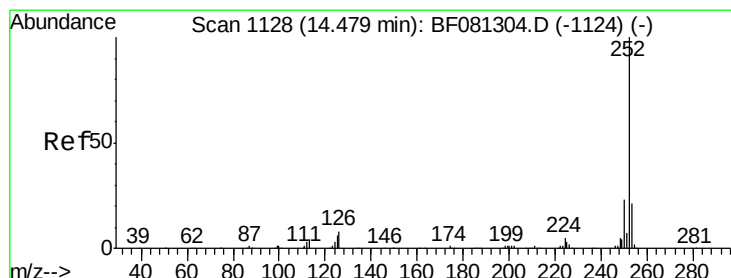
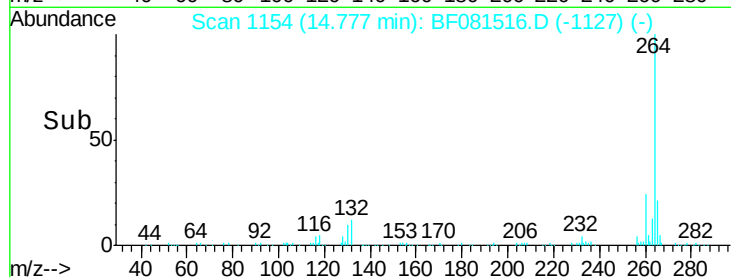
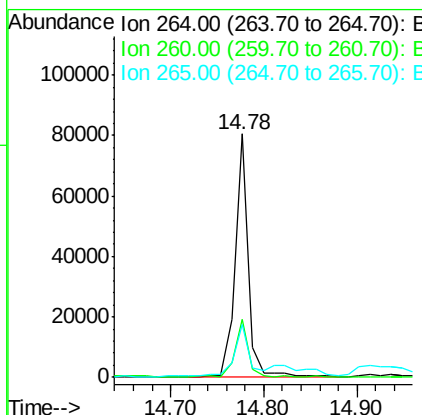
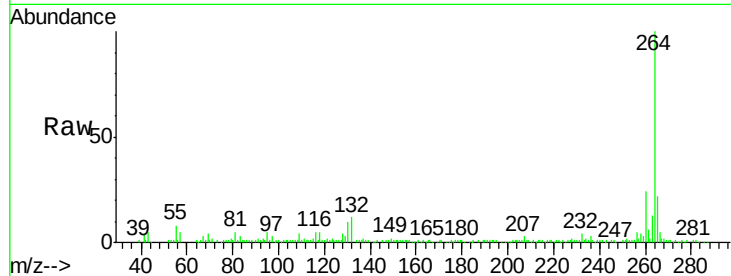
ClientSampled :

DUP001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 80335 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.0  | 16.7  | 25.1  |
| 265       | 21.8  | 17.2  | 25.8  |

Manual Integrations  
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#87

Benzo(b)fluoranthene

Concen: 39.17 ng m

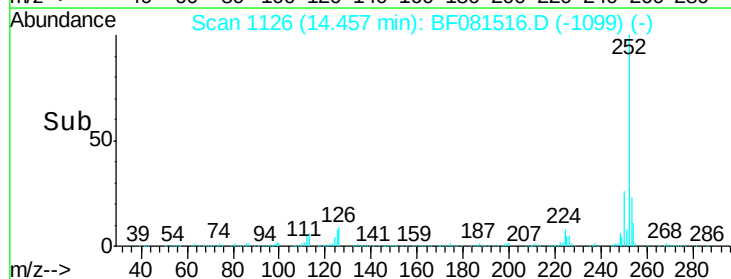
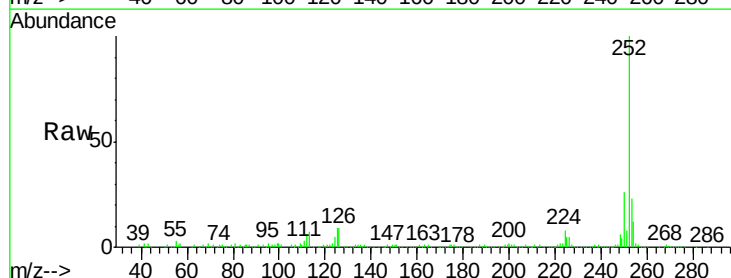
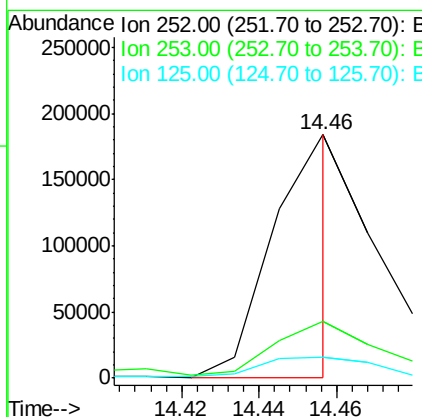
RT: 14.46 min Scan# 1126

Delta R.T. 0.01 min

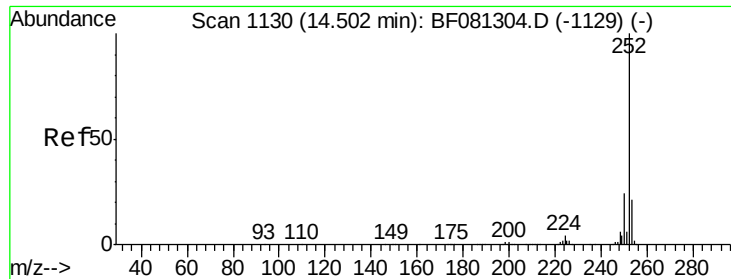
Lab File: BF081516.D

Acq: 6 Sep 2015 18:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 224646 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.3  | 17.5  | 26.3   |
| 125       | 8.8   | 17.1  | 25.7#  |







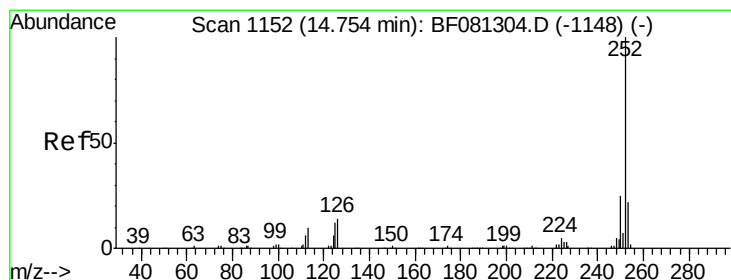
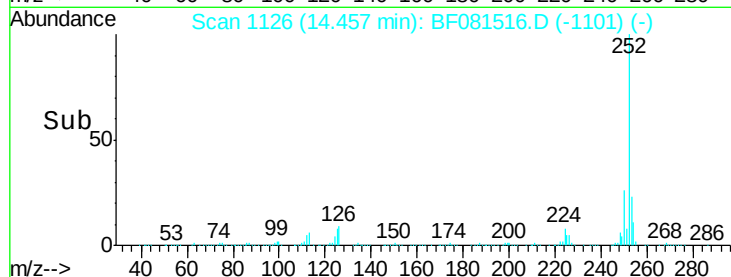
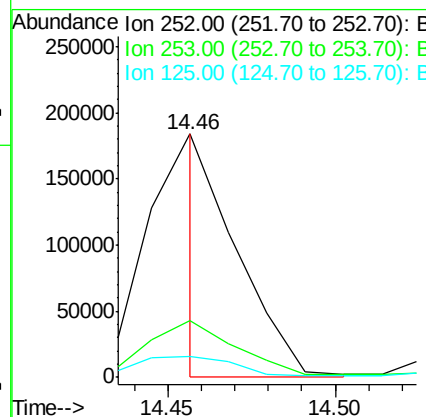
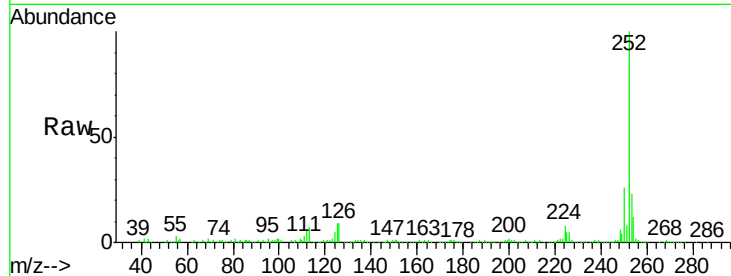
#88  
Benzo(k)fluoranthene  
Concen: 23.74 ng m  
RT: 14.46 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampled :  
DUP001

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 112988 |       |       |
| 253     | 23.3  | 17.0   | 25.4  |       |
| 125     | 8.8   | 16.0   | 24.0  |       |

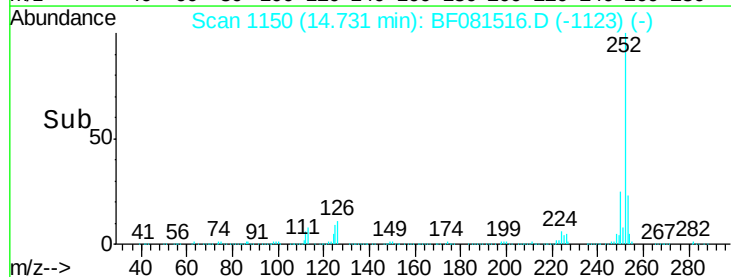
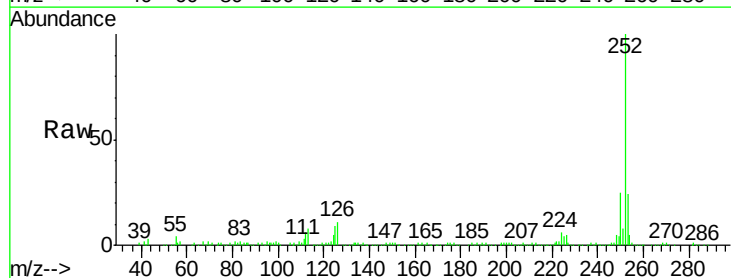
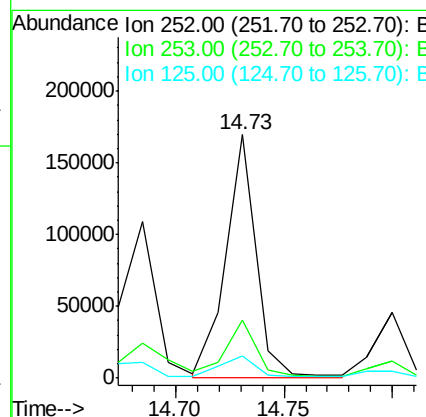
Manual Integrations  
APPROVED

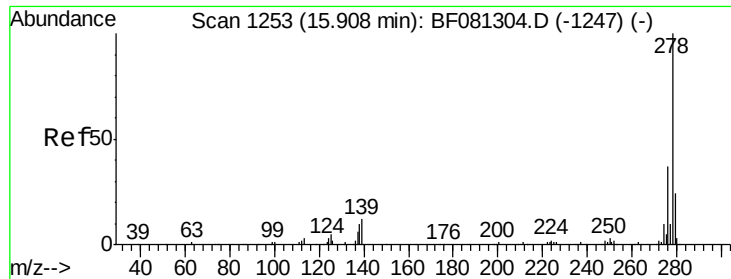
MMDadoda  
9/8/2015 3:59:03 PM



#89  
Benzo(a)pyrene  
Concen: 33.47 ng  
RT: 14.73 min Scan# 1150  
Delta R.T. 0.01 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 162680 |       |       |
| 253     | 24.1  | 17.2   | 25.8  |       |
| 125     | 9.1   | 18.0   | 27.0  |       |





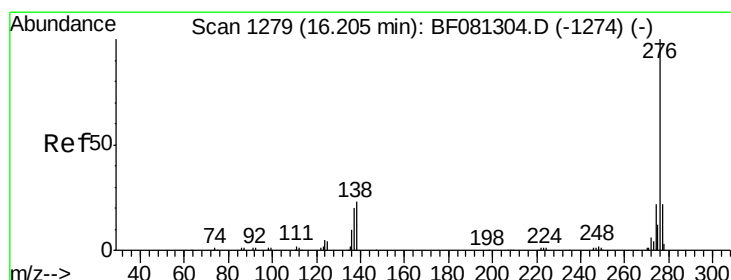
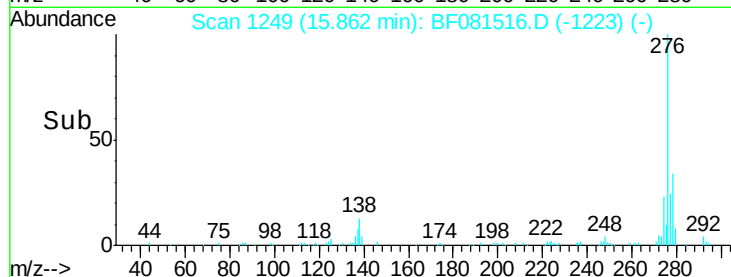
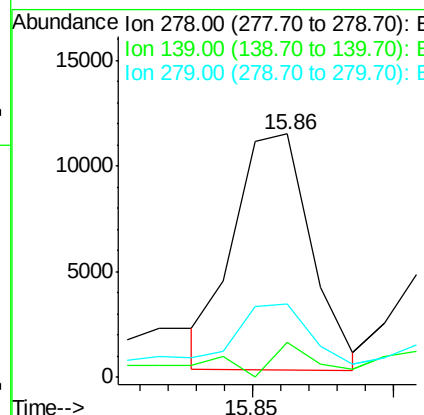
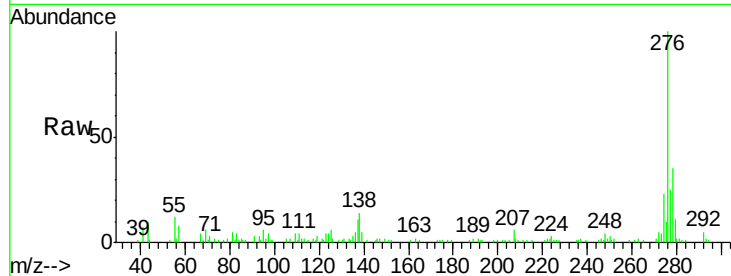
#90  
Dibenzo(a,h)anthracene  
Concen: 5.65 ng m  
RT: 15.86 min Scan# 1249  
Delta R.T. -0.00 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUP001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.3  | 26.3  | 39.5# |
| 279     | 30.2  | 18.2  | 27.4# |

Manual Integrations  
APPROVED

MMDadoda  
9/8/2015 3:59:03 PM



#91  
Benzo(g,h,i)perylene  
Concen: 20.48 ng  
RT: 16.17 min Scan# 1276  
Delta R.T. -0.00 min  
Lab File: BF081516.D  
Acq: 6 Sep 2015 18:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 17.8  | 26.6  |
| 138     | 20.7  | 34.6  | 51.8# |

