

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021715\  
 Data File : BF077330.D  
 Acq On : 17 Feb 2015 23:20  
 Operator : TP/IZ  
 Sample : G1299-02 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP2

Manual Integrations  
 APPROVED

apatel  
 2/18/2015 4:27:34 PM

Quant Time: Feb 18 10:28:16 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 18 09:51:00 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 53314    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.96  | 136  | 216863   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.13 | 164  | 102230   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.98 | 188  | 209618   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.29 | 240  | 201795   | 20.00  | ng    | 0.02     |
| 86) Perylene-d12            | 18.05 | 264  | 236839   | 20.00  | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 69715    | 22.35  | ng    | 0.00     |
| 7) Phenol-d6                | 6.91  | 99   | 96853    | 23.77  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.06  | 82   | 43806    | 13.99  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.11 | 330  | 16743    | 18.68  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.30 | 172  | 108177   | 15.95  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.98 | 244  | 123698   | 13.94  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.98  | 128  | 827954   | 76.30  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 9.84  | 142  | 242041   | 31.01  | ng    | 97       |
| 45) 1,1'-Biphenyl           | 10.42 | 154  | 89649    | 11.00  | ng    | 97       |
| 48) Acenaphthylene          | 10.96 | 152  | 48699    | 4.88   | ng    | # 91     |
| 51) Acenaphthene            | 11.17 | 154  | 472770   | 79.78  | ng    | 99       |
| 54) Dibenzofuran            | 11.39 | 168  | 529186   | 58.87  | ng    | 98       |
| 57) Fluorene                | 11.81 | 166  | 558900   | 79.25  | ng    | 99       |
| 70) Phenanthrene            | 13.03 | 178  | 4362685  | 358.16 | ng    | # 92     |
| 71) Anthracene              | 13.08 | 178  | 1433549  | 118.36 | ng    | 98       |
| 72) Carbazole               | 13.28 | 167  | 490584   | 46.07  | ng    | 99       |
| 74) Fluoranthene            | 14.51 | 202  | 3919322  | 318.67 | ng    | 95       |
| 77) Pyrene                  | 14.80 | 202  | 4084418  | 327.42 | ng    | 93       |
| 80) Benzo(a)anthracene      | 16.28 | 228  | 2098640  | 178.58 | ng    | 96       |
| 82) Chrysene                | 16.33 | 228  | 1884332m | 169.58 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 19.59 | 276  | 1228681  | 96.82  | ng    | 97       |
| 87) Benzo(b)fluoranthene    | 17.60 | 252  | 2428281m | 159.50 | ng    |          |
| 88) Benzo(k)fluoranthene    | 17.63 | 252  | 541156m  | 43.03  | ng    |          |
| 89) Benzo(a)pyrene          | 18.00 | 252  | 1784535  | 134.66 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 19.61 | 278  | 276156   | 20.48  | ng    | 95       |
| 91) Benzo(g,h,i)perylene    | 20.05 | 276  | 1206679  | 89.99  | ng    | 97       |

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

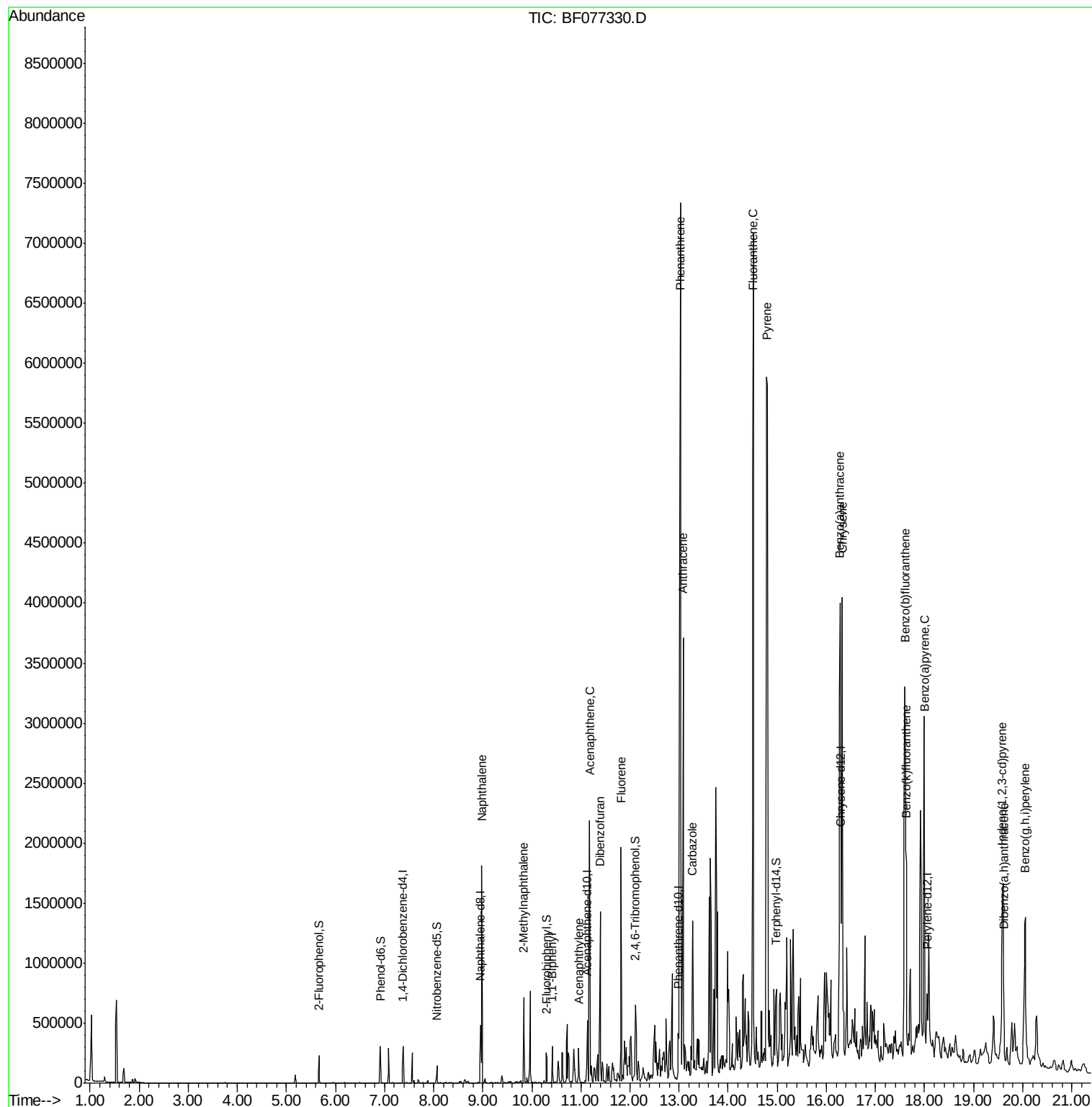
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021715\  
Data File : BF077330.D  
Acq On : 17 Feb 2015 23:20  
Operator : TP/IZ  
Sample : G1299-02 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

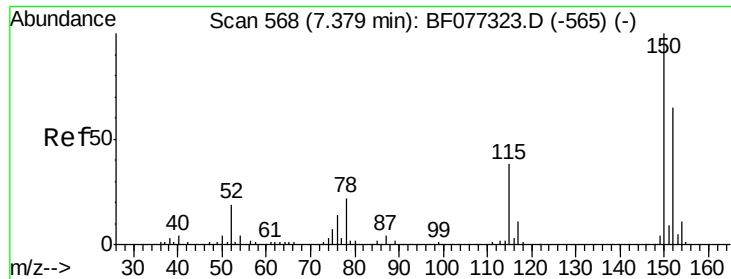
Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

Manual Integrations  
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2/18/2015 4:27:34 PM

Quant Time: Feb 18 10:28:16 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 18 09:51:00 2015  
Response via : Initial Calibration





#1

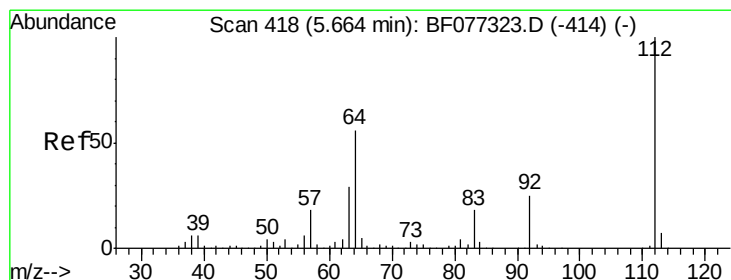
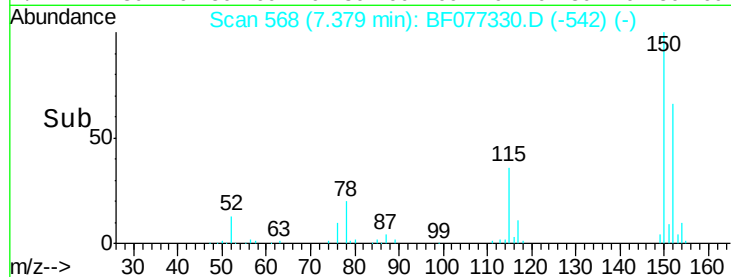
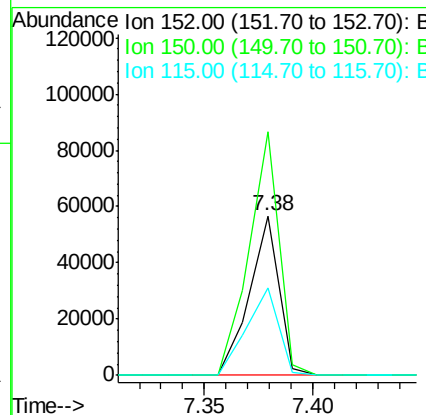
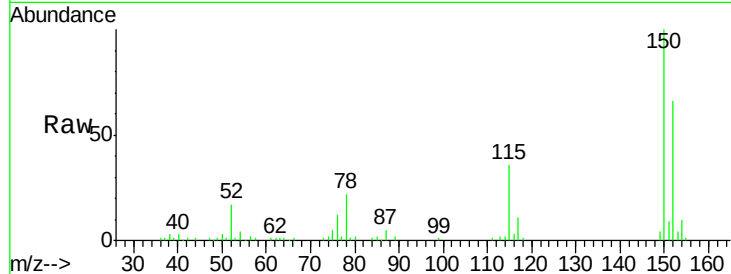
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.38 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.6 | 123.1 | 184.7 |
| 115     | 55.0  | 46.2  | 69.4  |

Manual Integrations  
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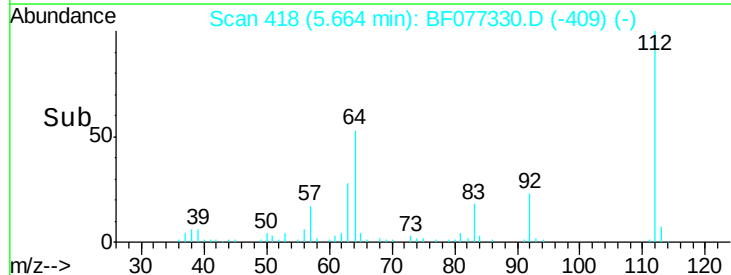
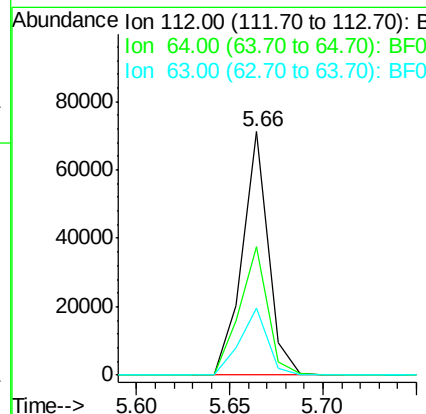
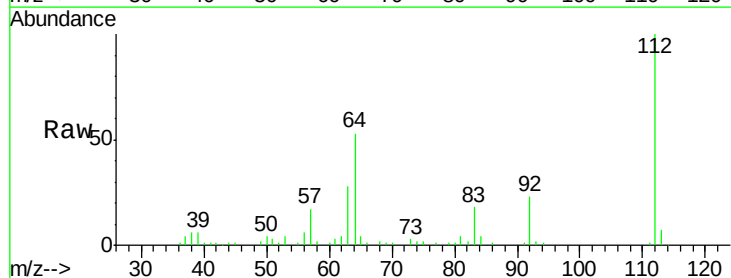
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2/18/2015 4:27:34 PM

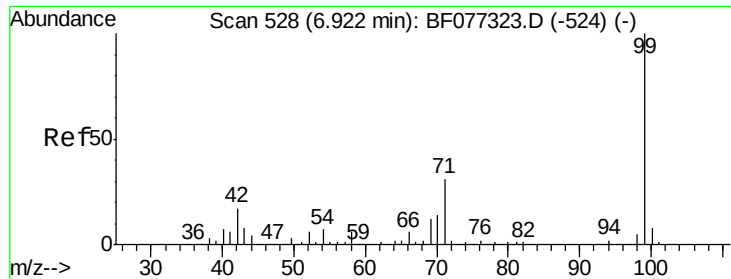


#5

2-Fluorophenol  
Concen: 22.35 ng  
RT: 5.66 min Scan# 418  
Delta R.T. 0.00 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.7  | 44.7  | 67.1  |
| 63      | 27.7  | 23.3  | 34.9  |





#7

Phenol-d6

Concen: 23.77 ng

RT: 6.91 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF077330.D

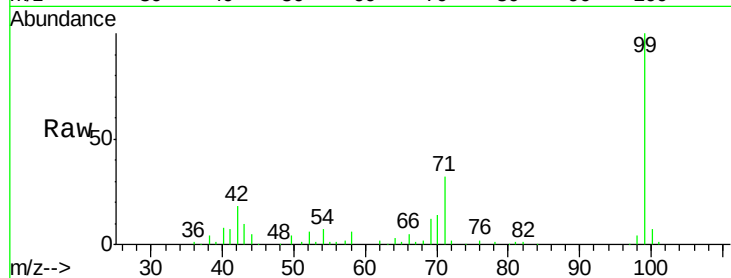
Acq: 17 Feb 2015 23:20

Instrument :

BNA\_F

ClientSampleId :

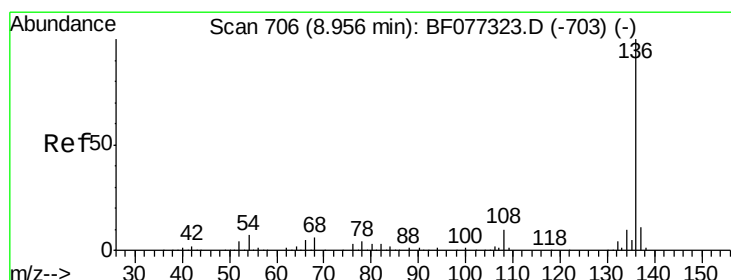
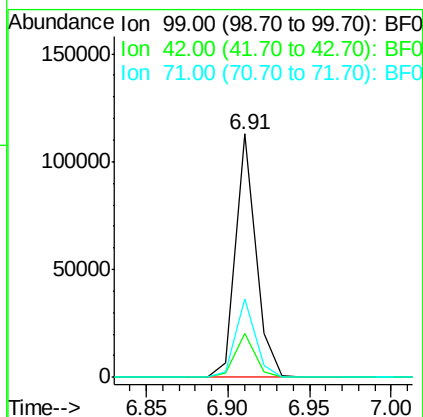
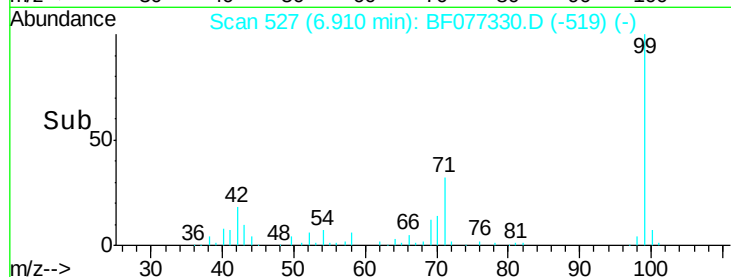
COMP2



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 18.2  | 13.8  | 20.6  |
| 71      | 32.2  | 24.6  | 37.0  |

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#21

Naphthalene-d8

Concen: 20.00 ng

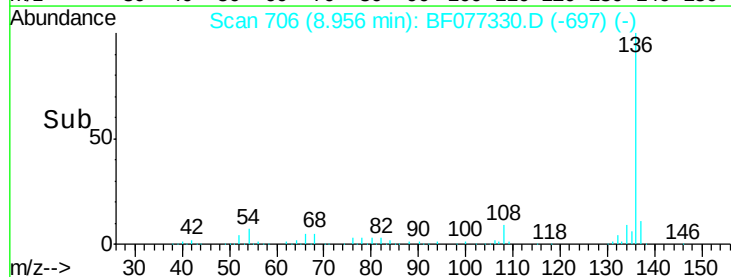
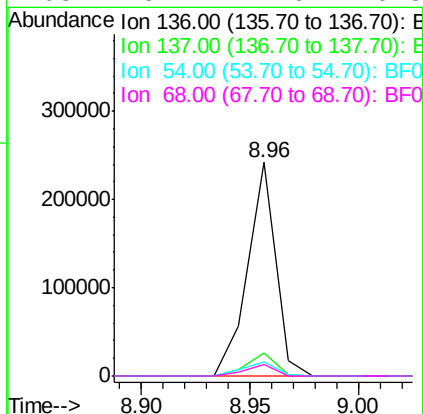
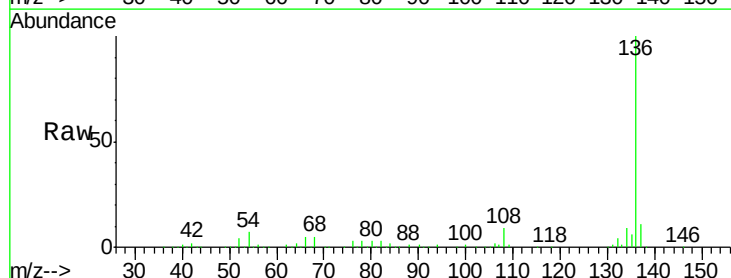
RT: 8.96 min Scan# 706

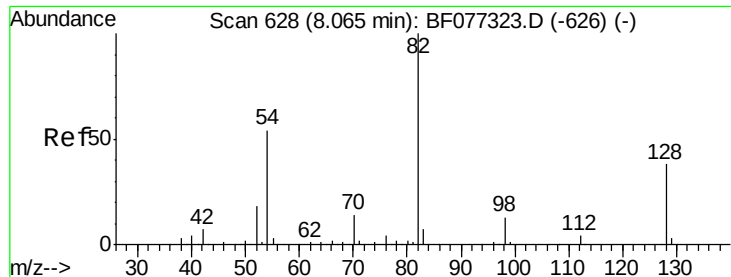
Delta R.T. 0.00 min

Lab File: BF077330.D

Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.7  | 8.7   | 13.1  |
| 54      | 6.6   | 5.8   | 8.6   |
| 68      | 5.4   | 4.6   | 6.8   |





#23

Nitrobenzene-d5

Concen: 13.99 ng

RT: 8.06 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF077330.D

Acq: 17 Feb 2015 23:20

Instrument :

BNA\_F

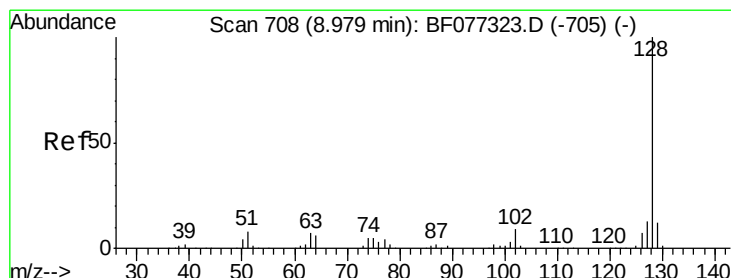
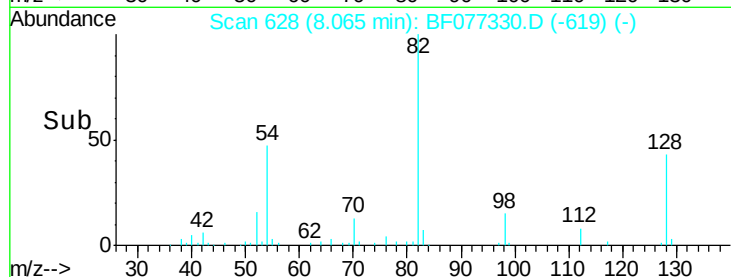
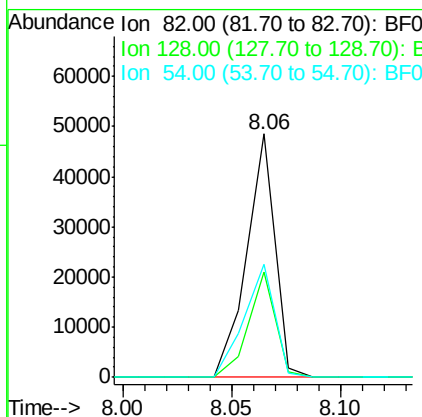
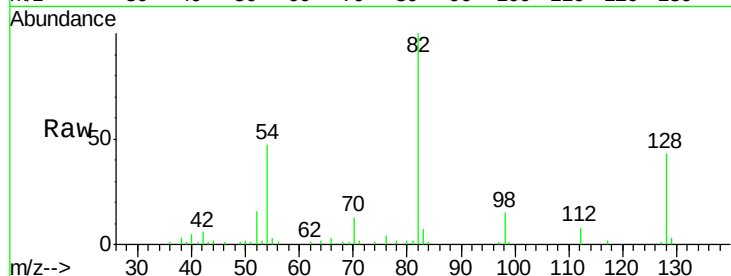
ClientSampleId :

COMP2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 43806 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 43.4  | 30.7  | 46.1  |
| 54        | 46.7  | 43.1  | 64.7  |

Manual Integrations  
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#31

Naphthalene

Concen: 76.30 ng

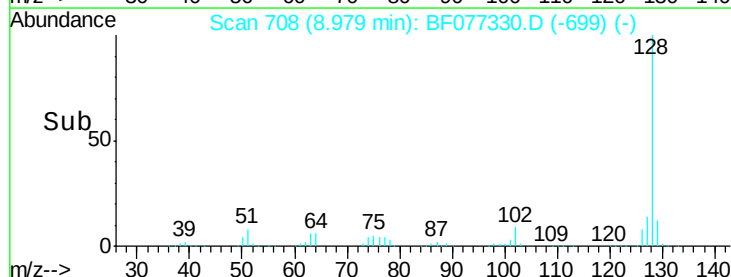
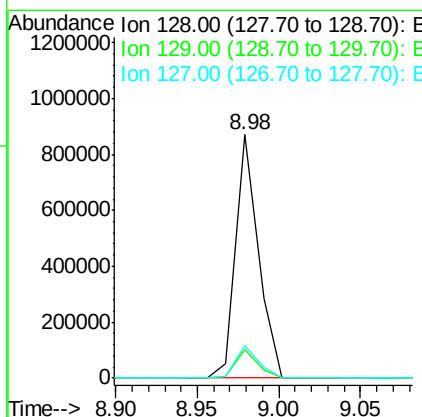
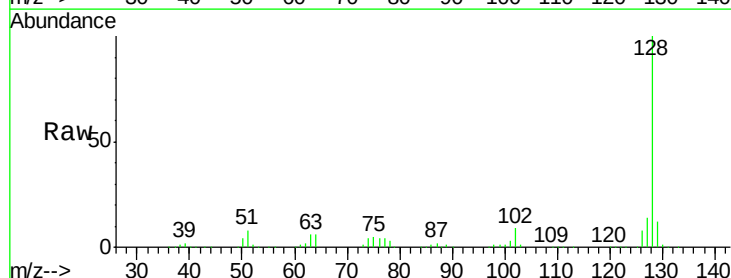
RT: 8.98 min Scan# 708

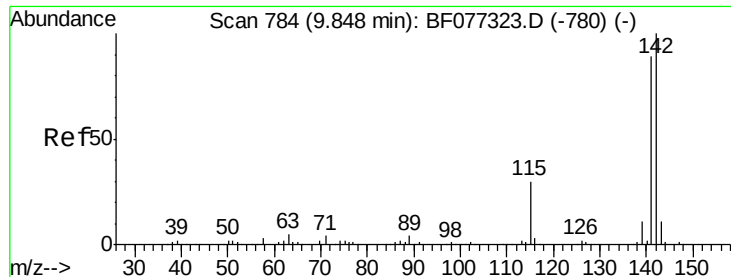
Delta R.T. 0.00 min

Lab File: BF077330.D

Acq: 17 Feb 2015 23:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 827954 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.8  | 9.5   | 14.3   |
| 127       | 13.5  | 10.5  | 15.7   |





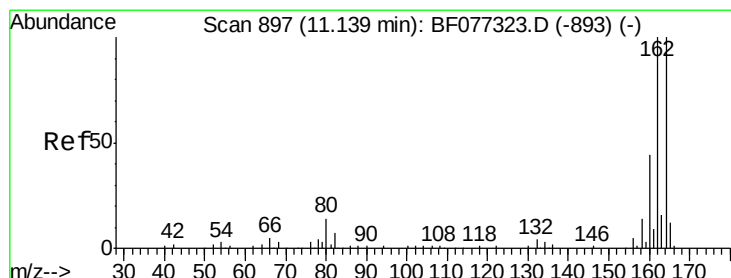
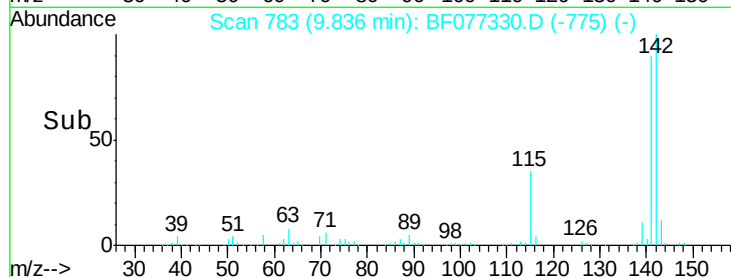
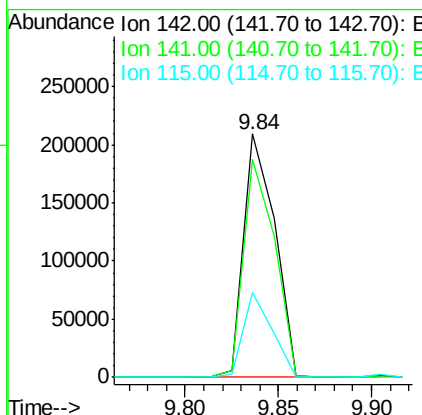
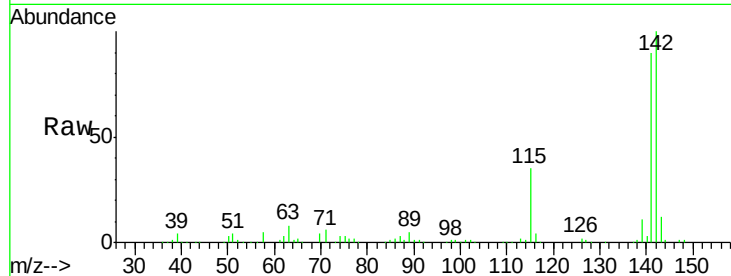
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 2-Methylnaphthalene  
 Concen: 31.01 ng  
 RT: 9.84 min Scan# 783  
 Delta R.T. -0.01 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 242041 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 89.7  | 71.2  | 106.8  |
| 115       | 35.0  | 23.8  | 35.8   |

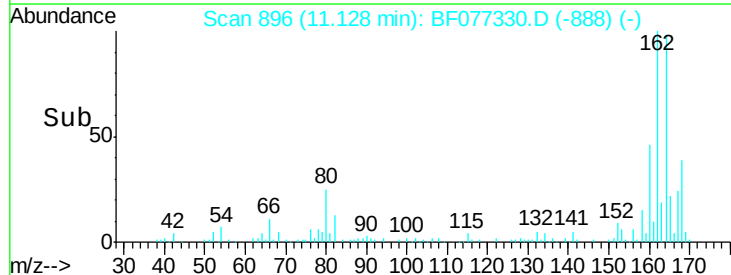
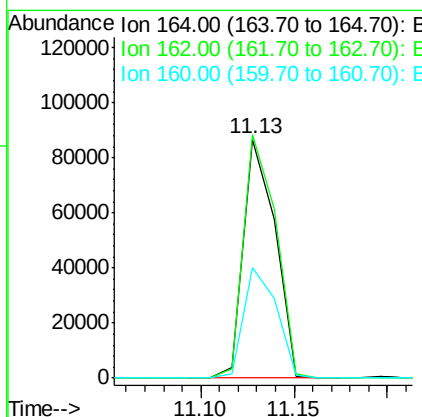
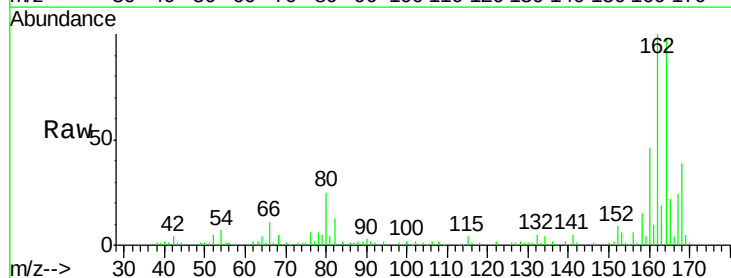
Manual Integrations  
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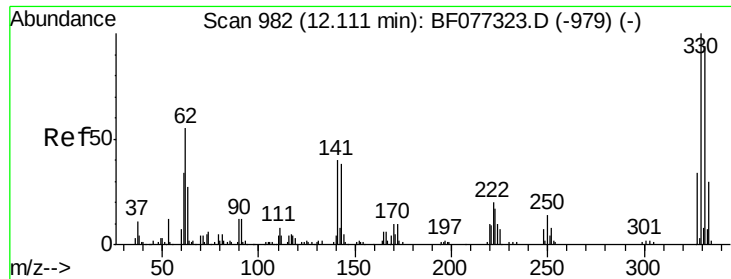
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 102230 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.0 | 80.4  | 120.6  |
| 160       | 46.5  | 35.3  | 52.9   |





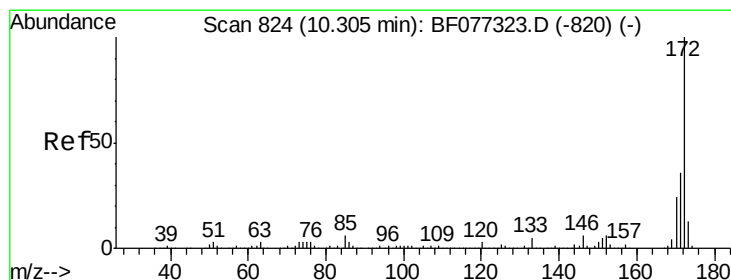
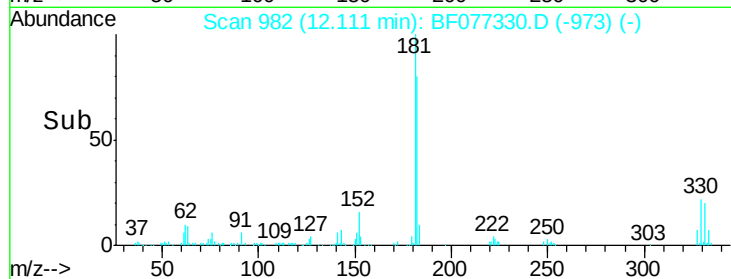
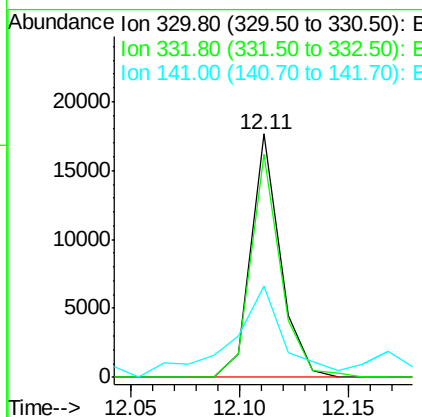
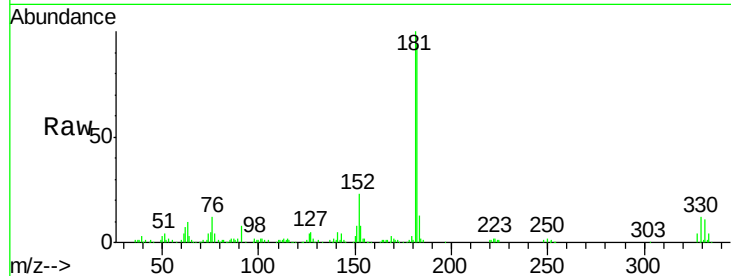
#41  
 2,4,6-Tribromophenol  
 Concen: 18.68 ng  
 RT: 12.11 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.5  | 76.1  | 114.1 |
| 141     | 68.2  | 28.5  | 42.7# |

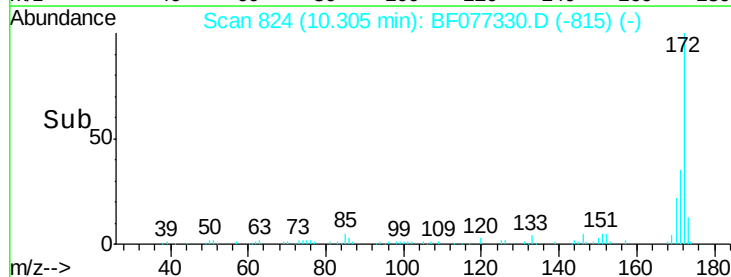
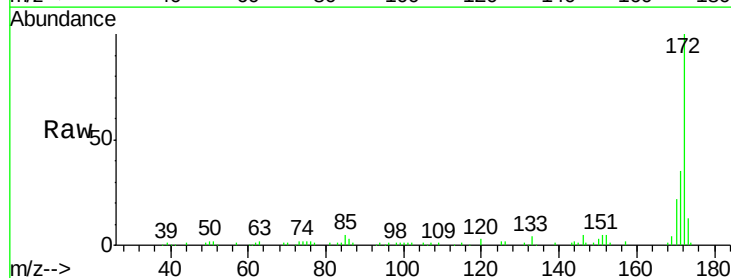
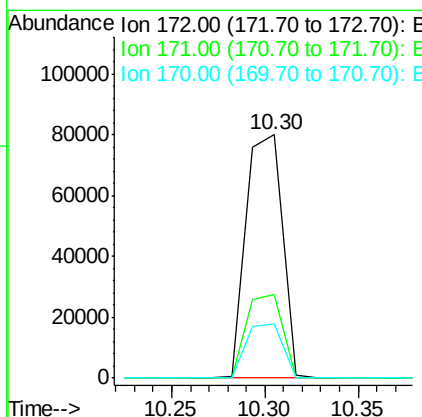
Manual Integrations  
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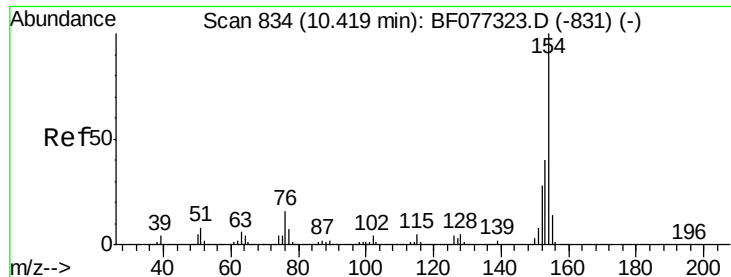
apatel  
 2/18/2015 4:27:34 PM



#44  
 2-Fluorobiphenyl  
 Concen: 15.95 ng  
 RT: 10.30 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 28.9  | 43.3  |
| 170     | 22.3  | 19.4  | 29.2  |





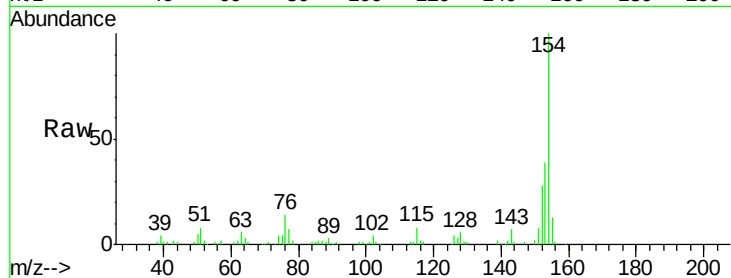
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1,1'-Biphenyl  
Concen: 11.00 ng  
RT: 10.42 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

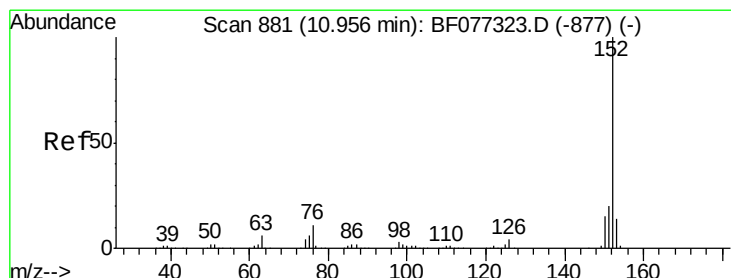
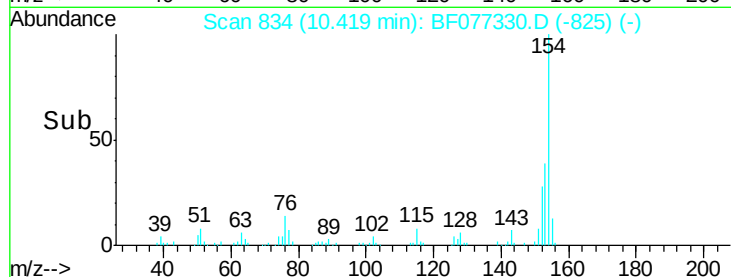
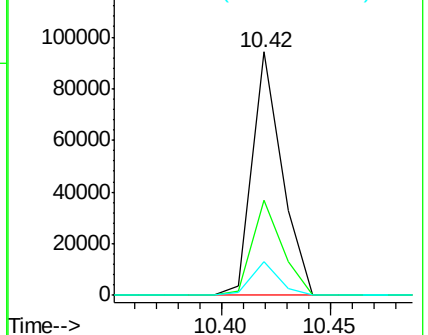
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.1  | 20.5  | 60.5  |
| 76      | 14.0  | 0.0   | 35.9  |

Manual Integrations  
APPROVED

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2/18/2015 4:27:34 PM

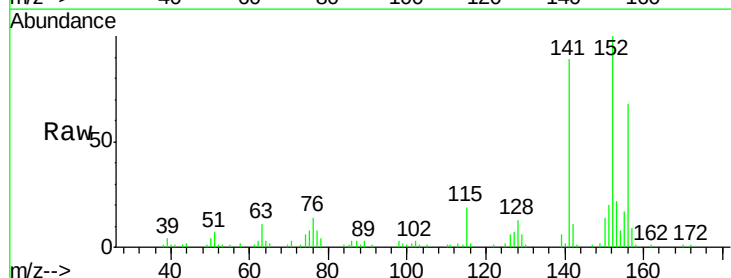


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0

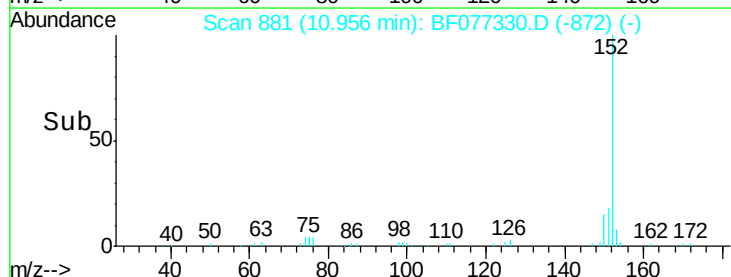
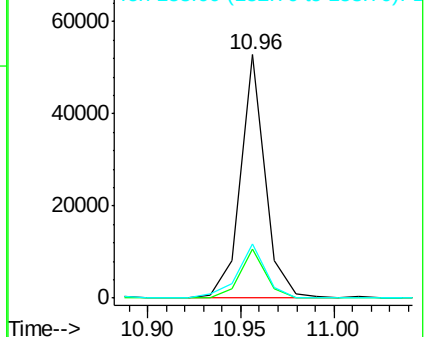


#48  
Acenaphthylene  
Concen: 4.88 ng  
RT: 10.96 min Scan# 881  
Delta R.T. 0.00 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

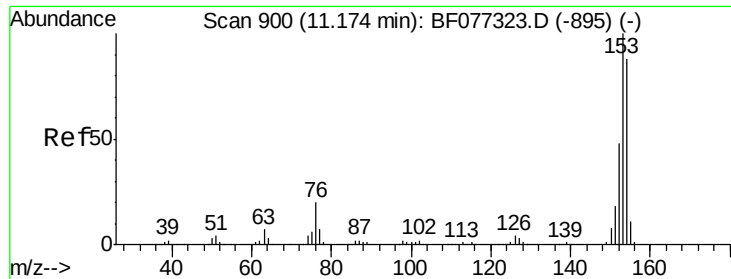
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 16.3  | 24.5  |
| 153     | 22.2  | 10.9  | 16.3# |



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E







#51

Acenaphthene

Concen: 79.78 ng

RT: 11.17 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF077330.D

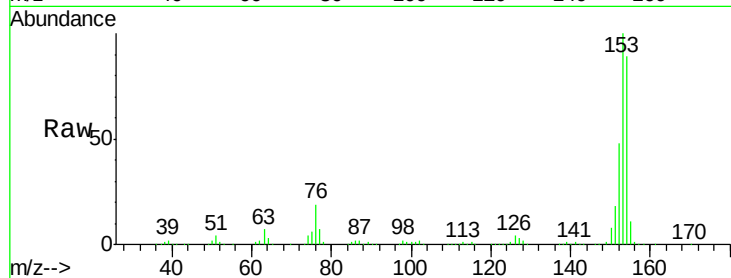
Acq: 17 Feb 2015 23:20

Instrument :

BNA\_F

ClientSampleId :

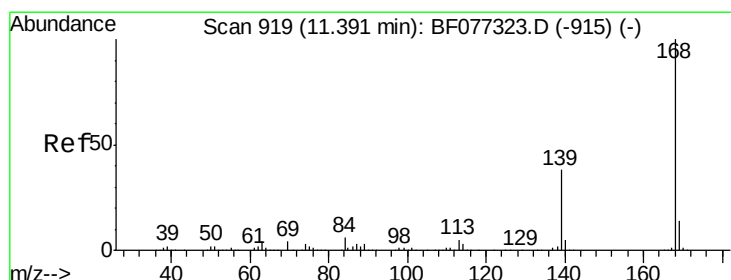
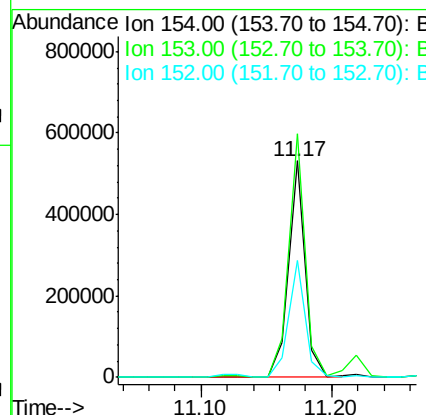
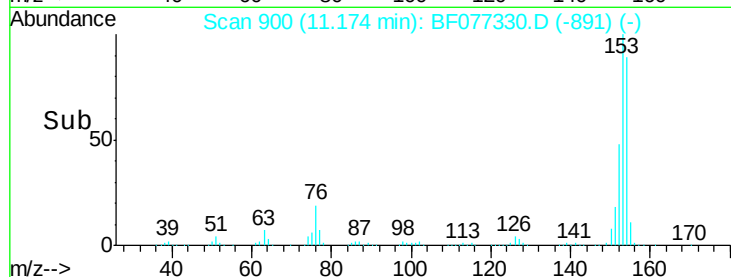
COMP2



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 472770 |       |       |
| 153     | 112.6 | 90.9   | 136.3 |       |
| 152     | 54.0  | 43.5   | 65.3  |       |

Manual Integrations  
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apatel  
2/18/2015 4:27:34 PM



#54

Dibenzofuran

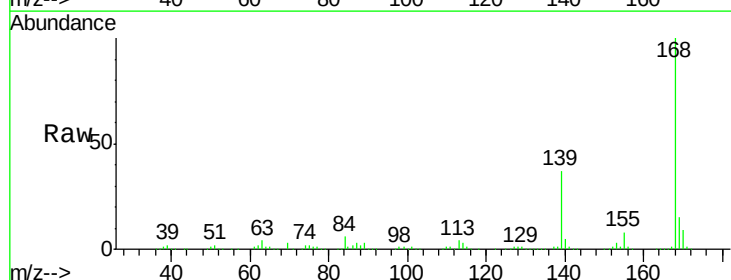
Concen: 58.87 ng

RT: 11.39 min Scan# 919

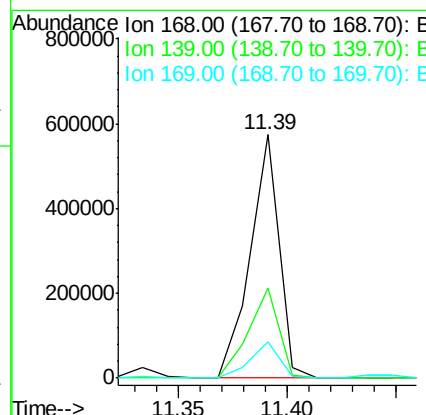
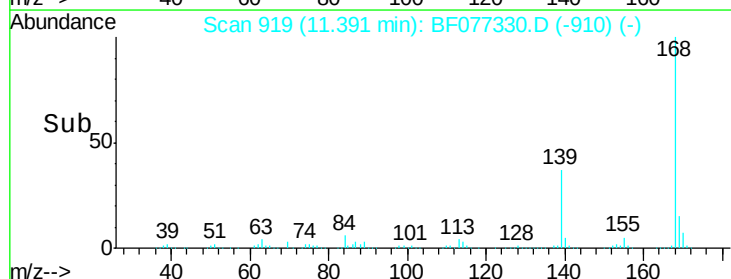
Delta R.T. 0.00 min

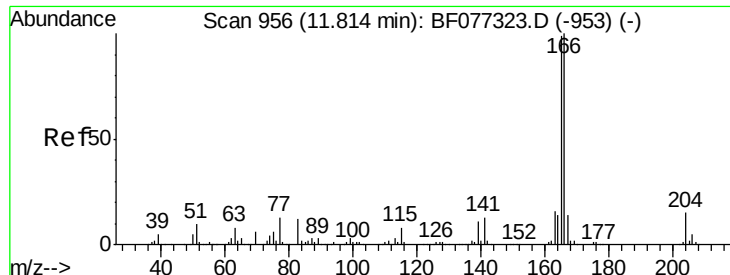
Lab File: BF077330.D

Acq: 17 Feb 2015 23:20



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 529186 |       |       |
| 139     | 36.9  | 30.6   | 45.8  |       |
| 169     | 14.7  | 11.0   | 16.4  |       |





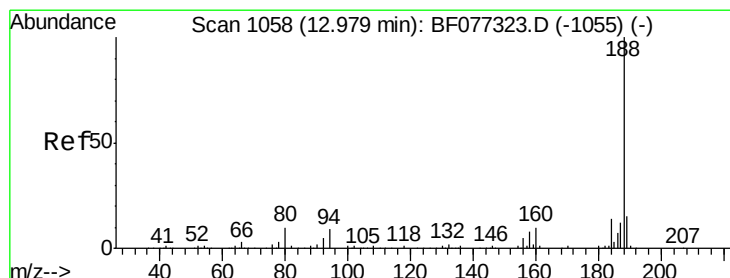
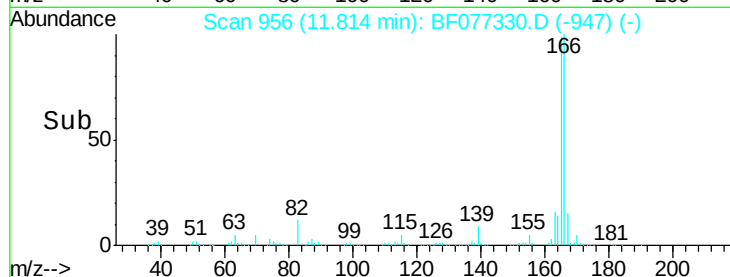
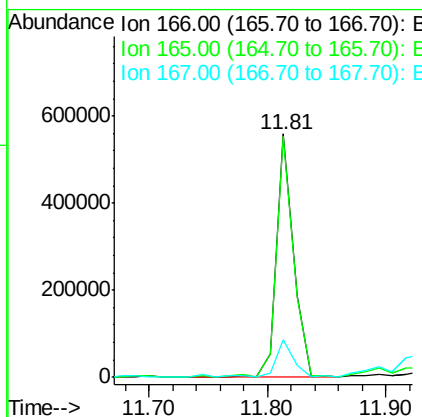
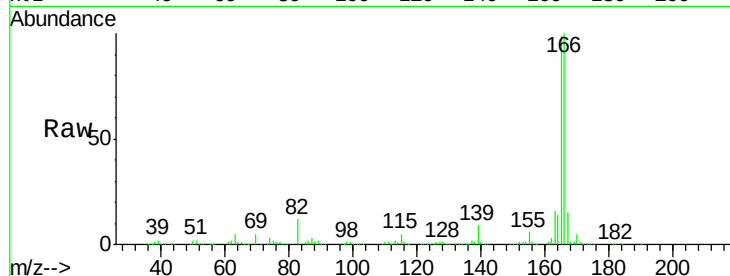
#57  
 Fluorene  
 Concen: 79.25 ng  
 RT: 11.81 min Scan# 956  
 Delta R.T. 0.00 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 558900 |       |       |
| 165     | 98.9  | 79.2   | 118.8 |       |
| 167     | 15.2  | 11.0   | 16.6  |       |

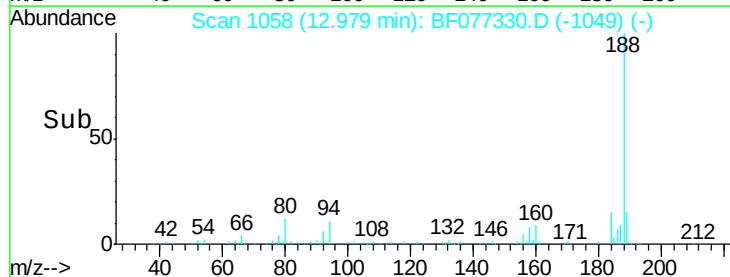
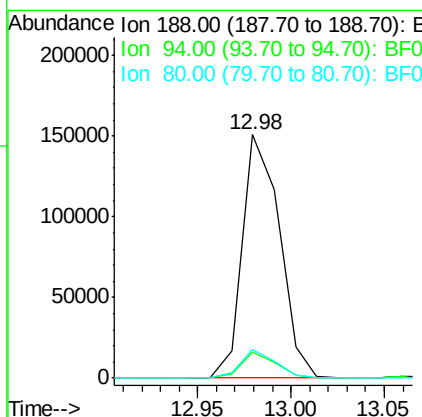
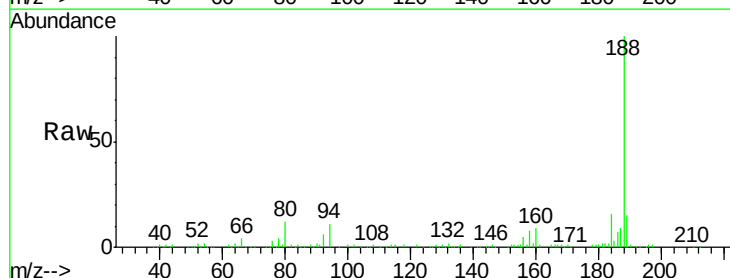
Manual Integrations  
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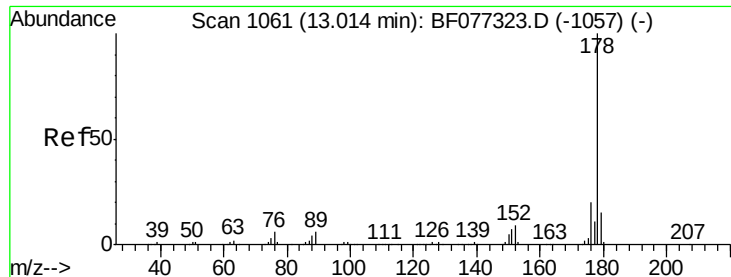
apatel  
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#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.98 min Scan# 1058  
 Delta R.T. 0.00 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 209618 |       |       |
| 94      | 10.9  | 7.2    | 10.8# |       |
| 80      | 11.8  | 7.8    | 11.8# |       |





#70

Phenanthrene

Concen: 358.16 ng

RT: 13.03 min Scan# 1062

Delta R.T. 0.01 min

Lab File: BF077330.D

Acq: 17 Feb 2015 23:20

Instrument :

BNA\_F

ClientSampleId :

COMP2

Tgt Ion:178 Resp: 4362685

Ion Ratio Lower Upper

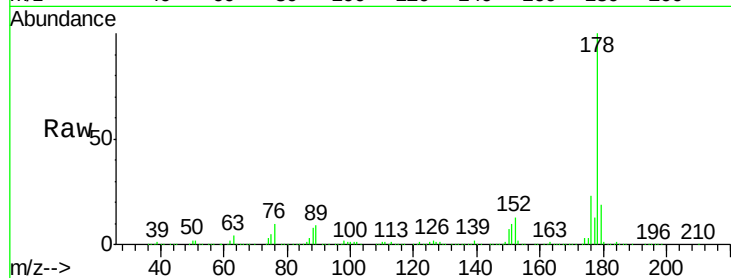
178 100

176 23.0 15.6 23.4

179 18.7 12.3 18.5#

Manual Integrations  
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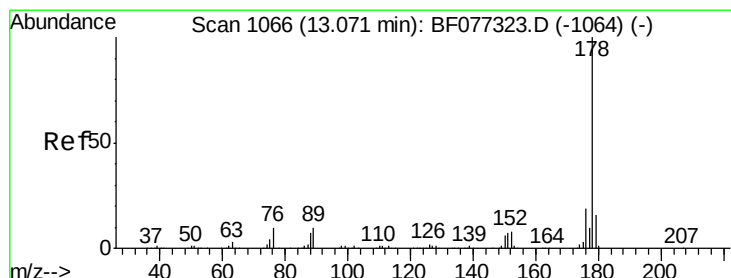
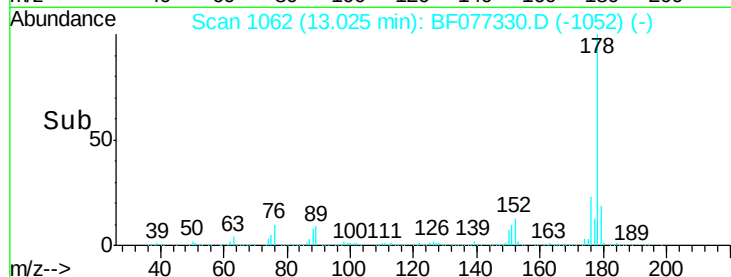
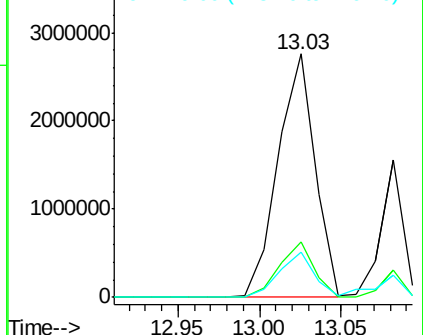
apatel  
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 118.36 ng

RT: 13.08 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF077330.D

Acq: 17 Feb 2015 23:20

Tgt Ion:178 Resp: 1433549

Ion Ratio Lower Upper

178 100

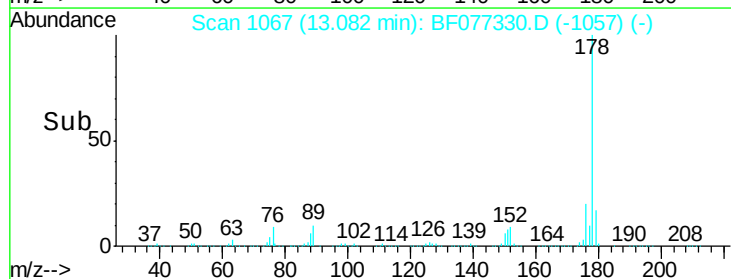
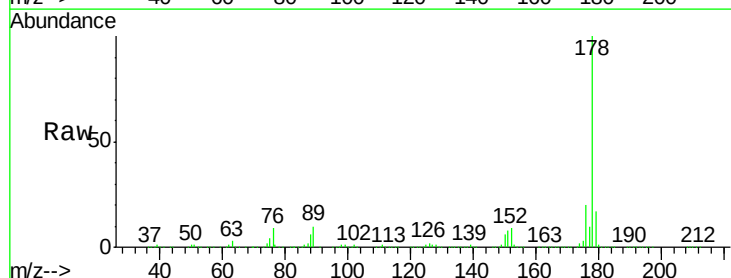
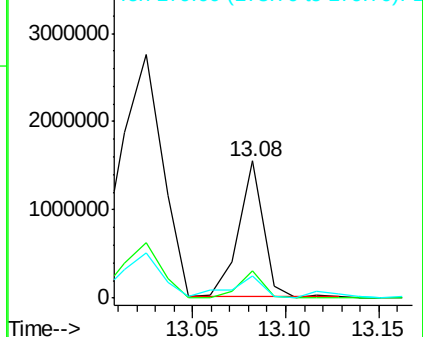
176 19.9 15.3 22.9

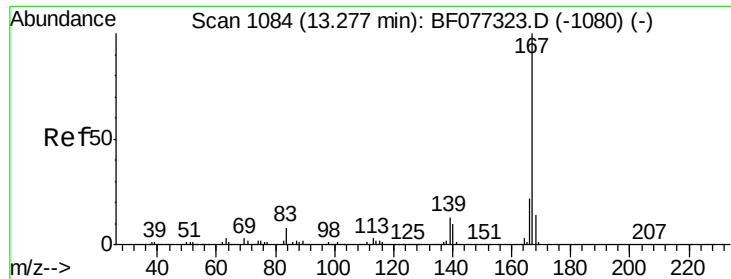
179 16.6 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





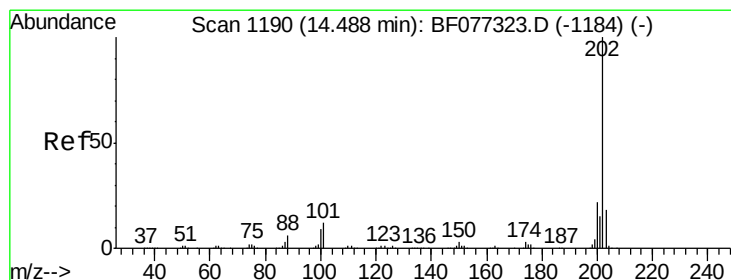
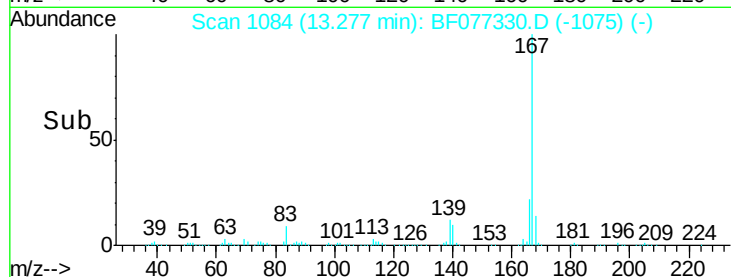
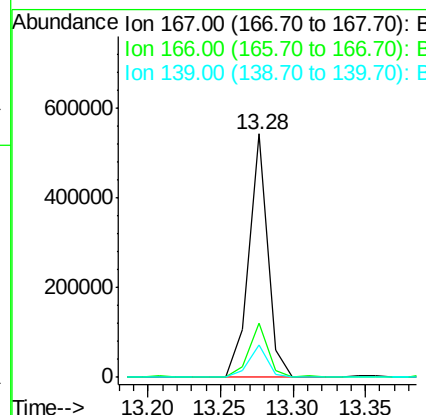
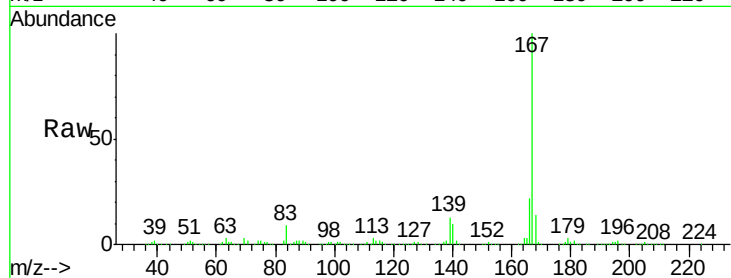
#72  
 Carbazole  
 Concen: 46.07 ng  
 RT: 13.28 min Scan# 1084  
 Delta R.T. 0.00 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 490584 |       |       |
| 166     | 22.4  | 17.4   | 26.2  |       |
| 139     | 13.5  | 10.6   | 15.8  |       |

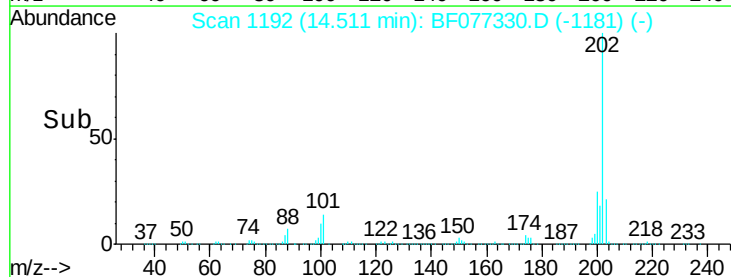
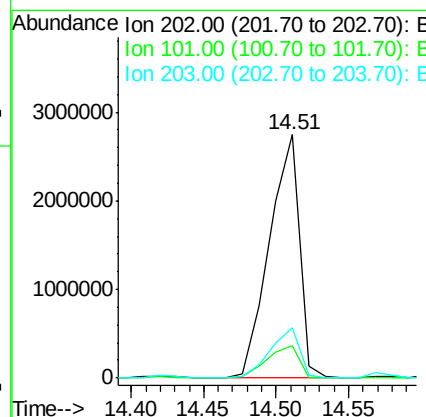
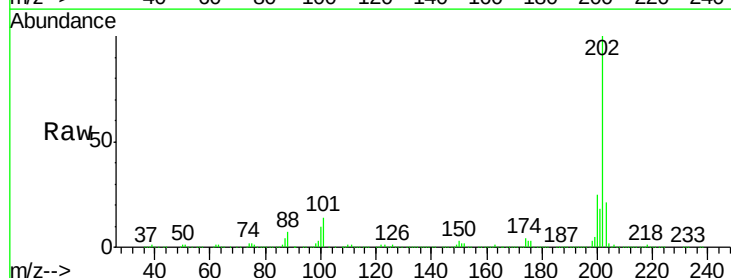
Manual Integrations  
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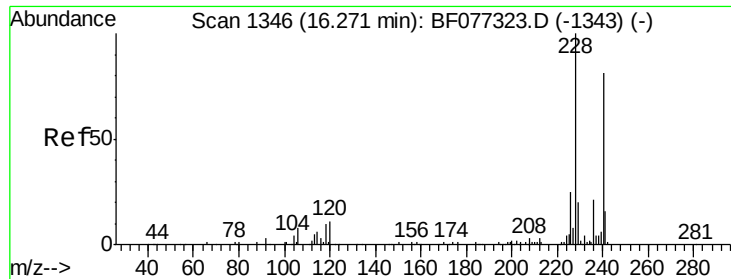
apatel  
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#74  
 Fluoranthene  
 Concen: 318.67 ng  
 RT: 14.51 min Scan# 1192  
 Delta R.T. 0.02 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 3919322 |       |       |
| 101     | 13.6  | 0.0     | 32.4  |       |
| 203     | 20.8  | 0.0     | 37.7  |       |





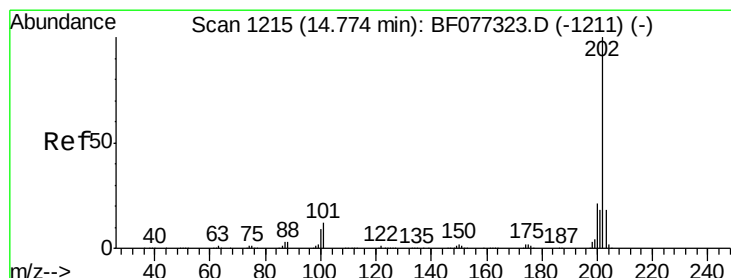
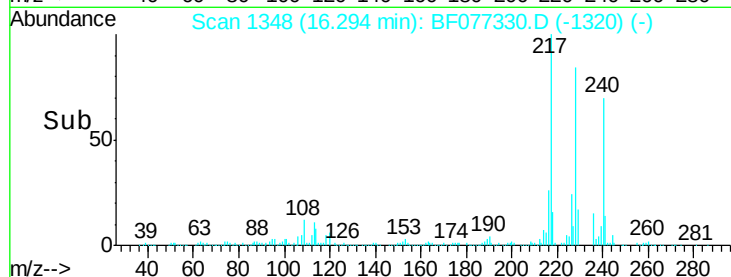
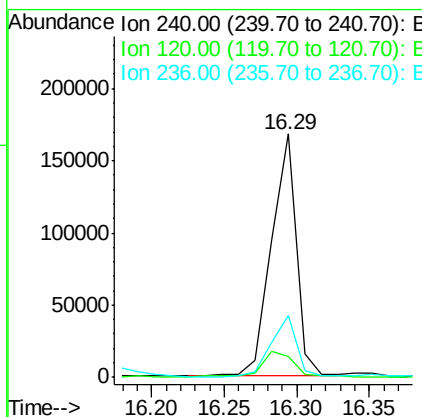
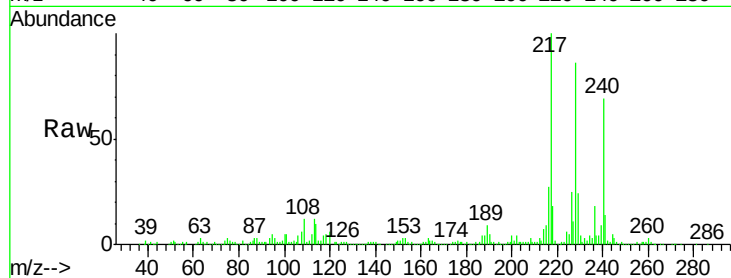
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.29 min Scan# 1348  
Delta R.T. 0.02 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 201795 |       |       |
| 120     | 8.7   | 11.3   | 16.9# |       |
| 236     | 25.7  | 20.3   | 30.5  |       |

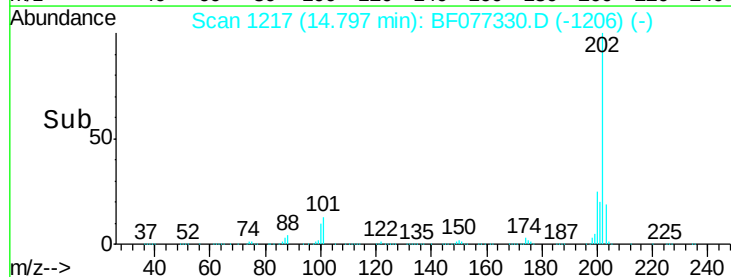
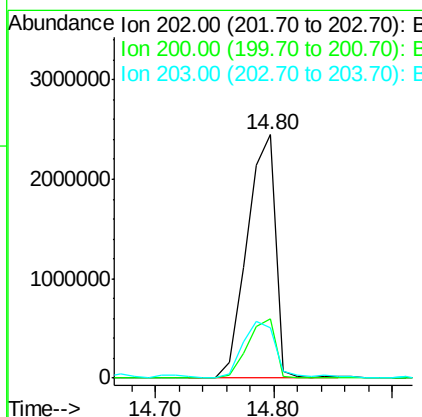
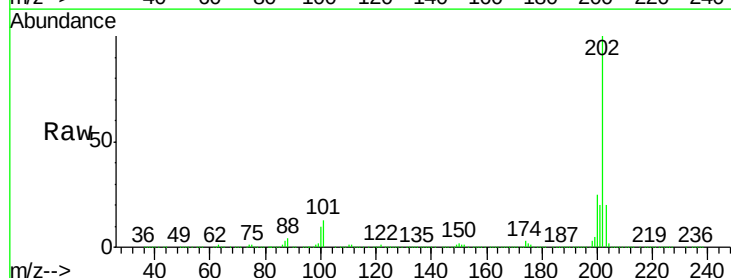
Manual Integrations  
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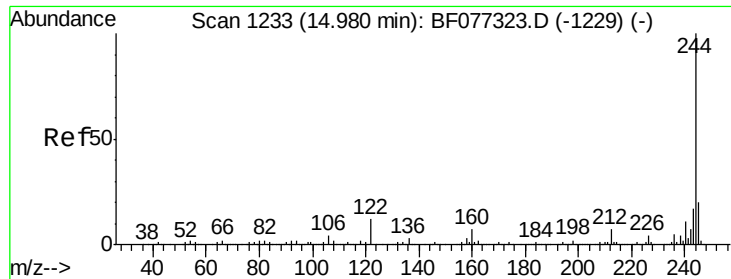
apatel  
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#77  
Pyrene  
Concen: 327.42 ng  
RT: 14.80 min Scan# 1217  
Delta R.T. 0.02 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

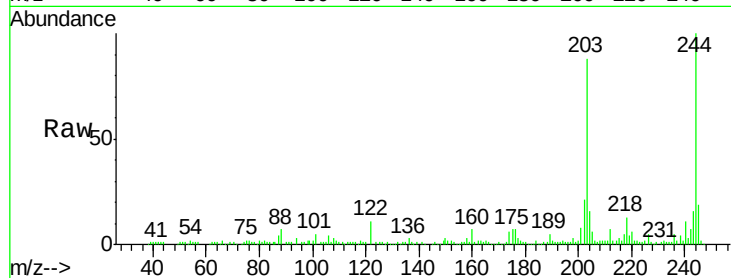
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 4084418 |       |       |
| 200     | 24.5  | 17.0    | 25.4  |       |
| 203     | 20.5  | 14.2    | 21.4  |       |





#78  
 Terphenyl-d14  
 Concen: 13.94 ng  
 RT: 14.98 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

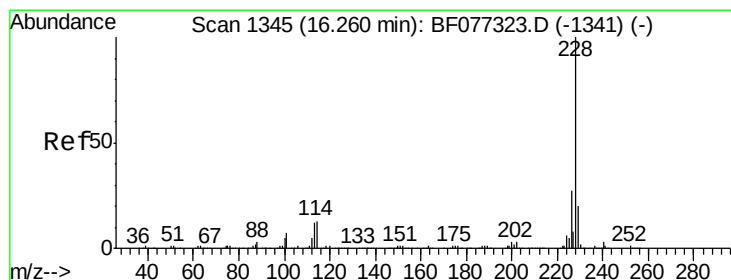
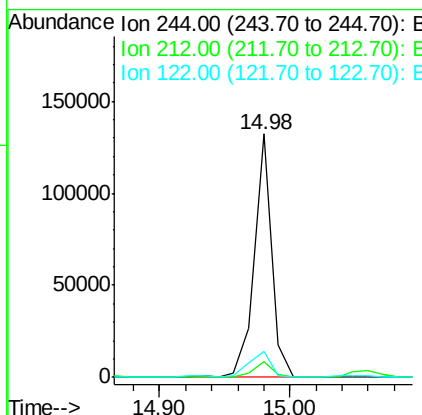
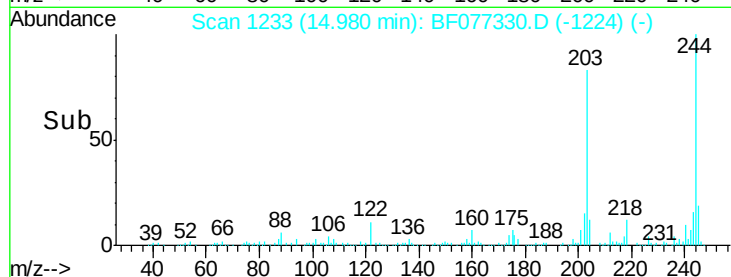
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP2



| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 6.7   | 5.4        | 8.0        |
| 122     | 10.6  | 9.3        | 13.9       |

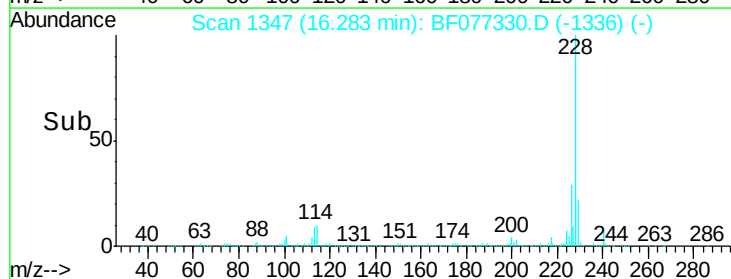
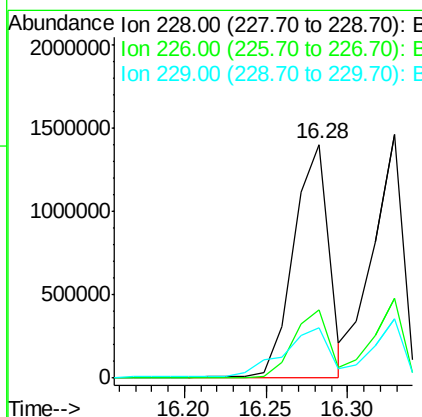
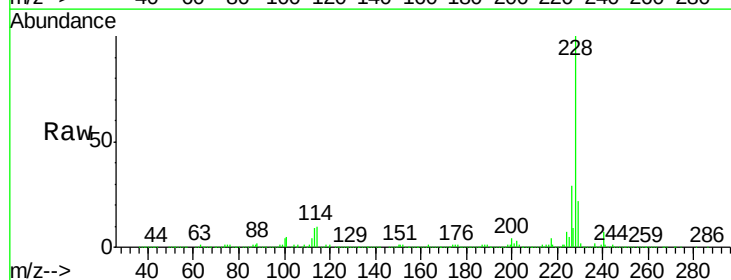
Manual Integrations  
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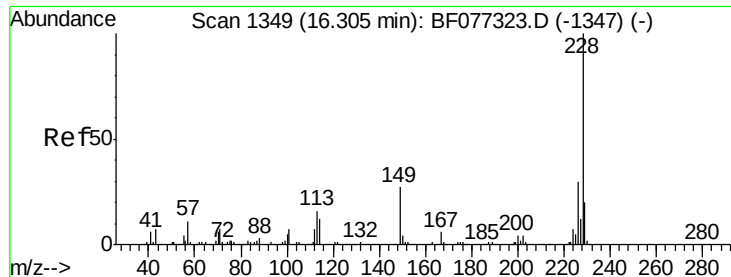
apatel  
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#80  
 Benzo(a)anthracene  
 Concen: 178.58 ng  
 RT: 16.28 min Scan# 1347  
 Delta R.T. 0.02 min  
 Lab File: BF077330.D  
 Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 29.3  | 21.9       | 32.9       |
| 229     | 21.8  | 16.1       | 24.1       |





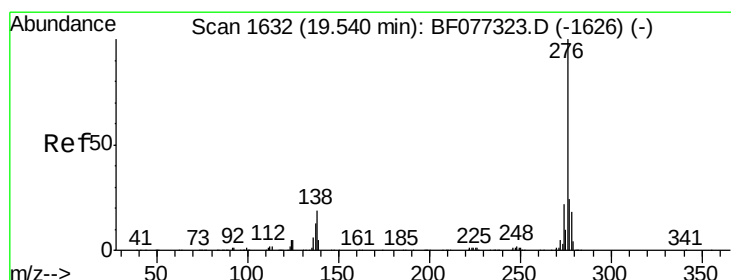
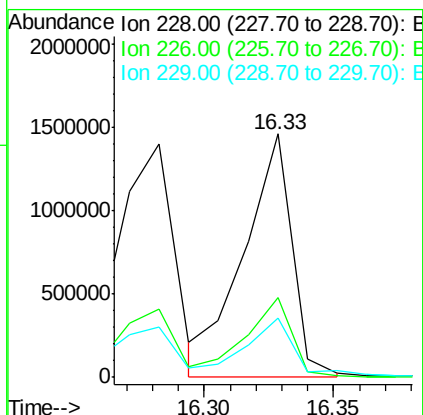
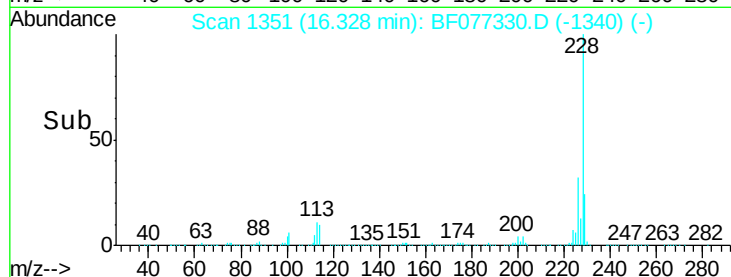
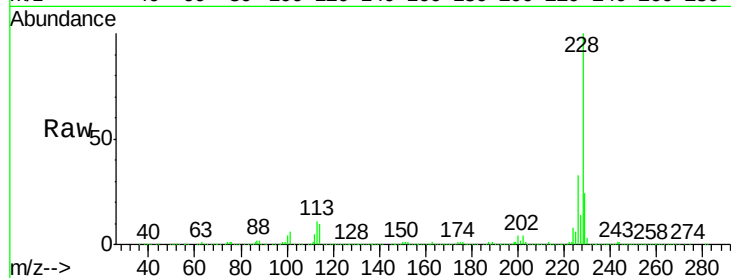
#82  
Chrysene  
Concen: 169.58 ng m  
RT: 16.33 min Scan# 1351  
Delta R.T. 0.02 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.5  | 24.2  | 36.2  |
| 229     | 24.4  | 16.2  | 24.2  |

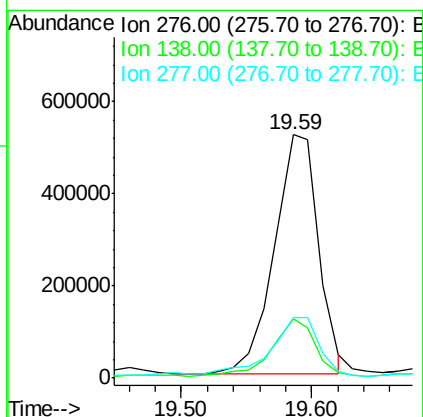
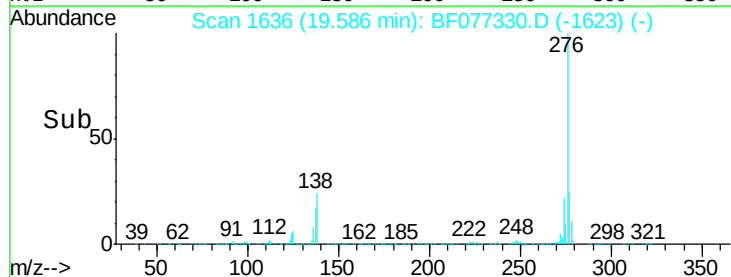
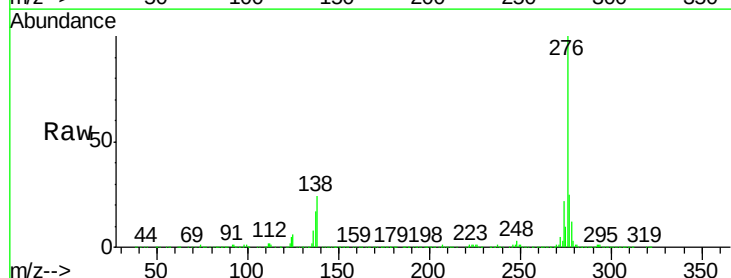
Manual Integrations  
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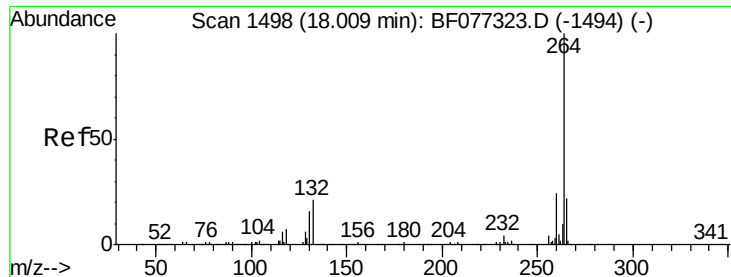
apatel  
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#85  
Indeno(1,2,3-cd)pyrene  
Concen: 96.82 ng  
RT: 19.59 min Scan# 1636  
Delta R.T. 0.05 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.1  | 20.2  | 30.2  |
| 277     | 24.6  | 20.2  | 30.2  |





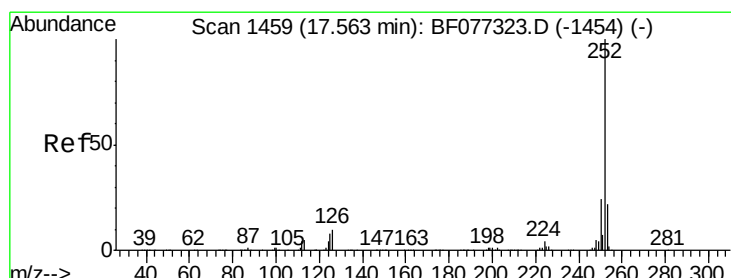
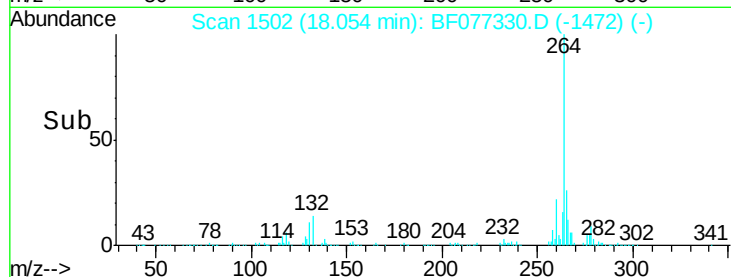
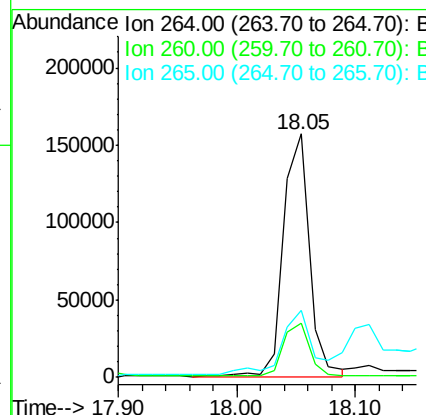
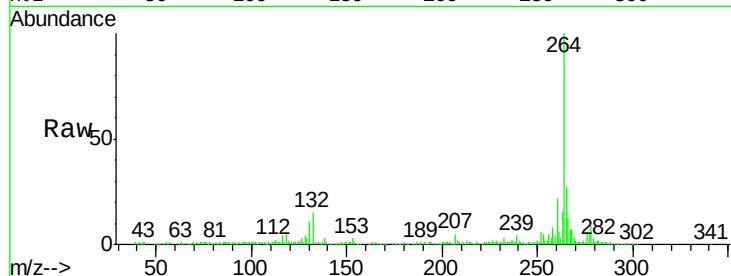
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.05 min Scan# 1502  
Delta R.T. 0.05 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 18.9  | 28.3  |
| 265     | 27.5  | 17.7  | 26.5# |

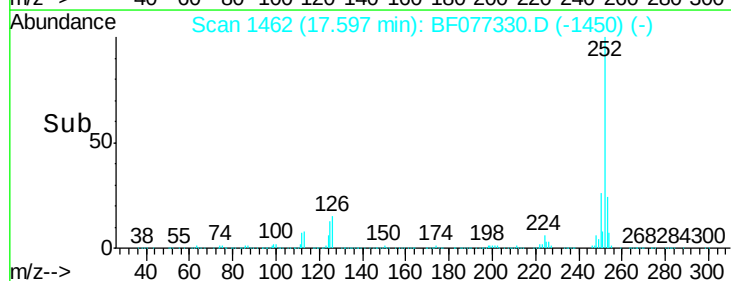
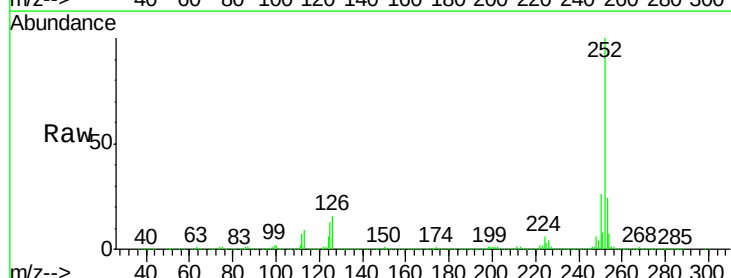
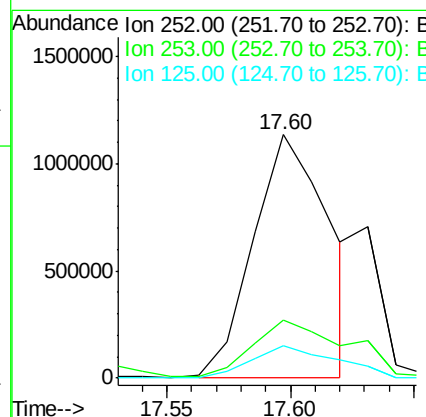
Manual Integrations  
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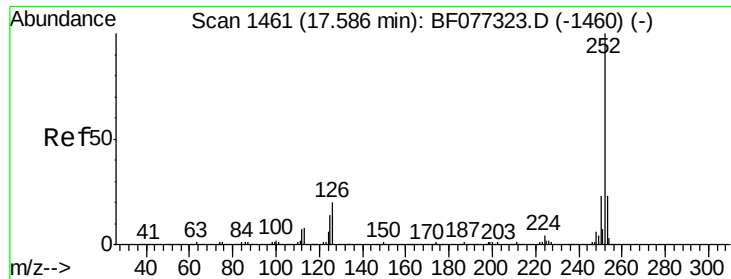


#87  
Benzo(b)fluoranthene  
Concen: 159.50 ng m  
RT: 17.60 min Scan# 1462  
Delta R.T. 0.03 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 17.3  | 25.9  |
| 125     | 13.3  | 6.1   | 9.1#  |







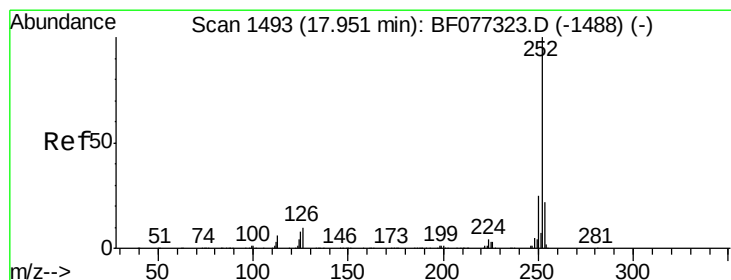
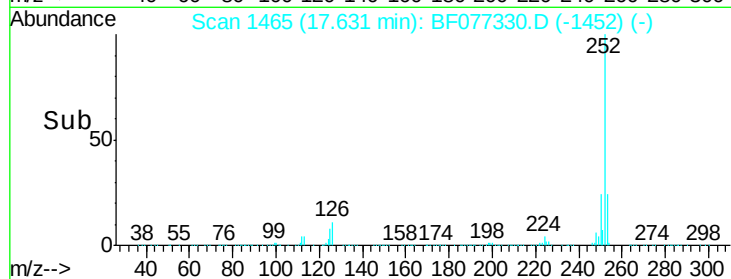
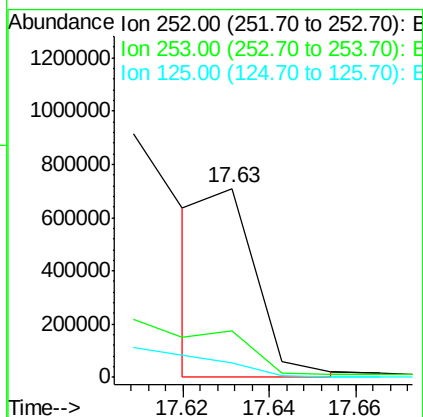
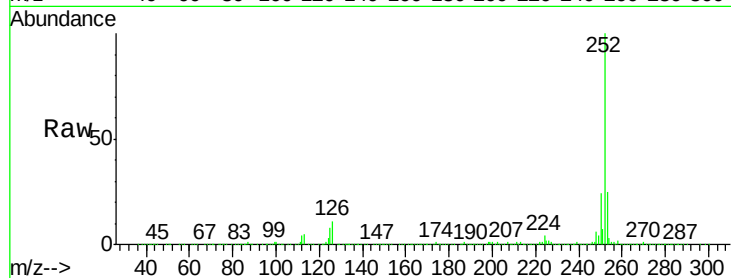
#88  
Benzo(k)fluoranthene  
Concen: 43.03 ng m  
RT: 17.63 min Scan# 1465  
Delta R.T. 0.05 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 18.0  | 27.0  |
| 125     | 7.9   | 11.0  | 16.4  |

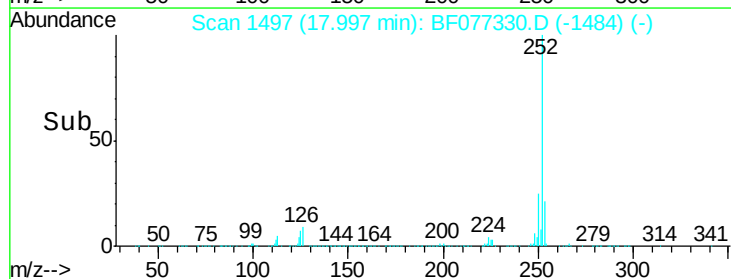
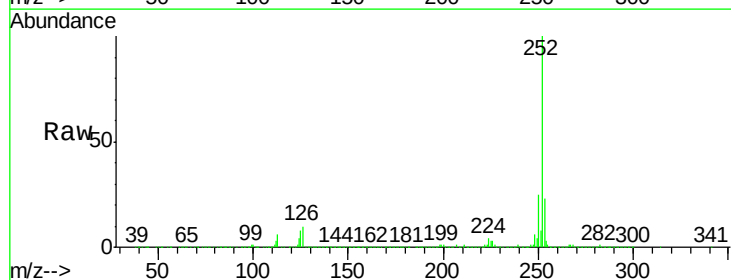
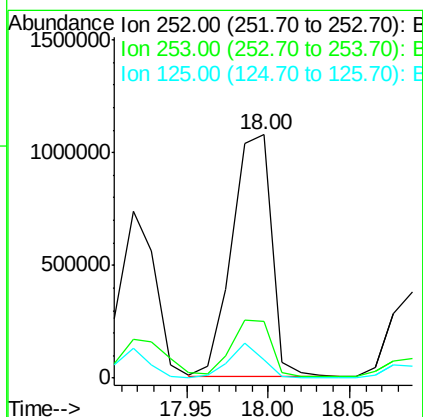
Manual Integrations  
APPROVED

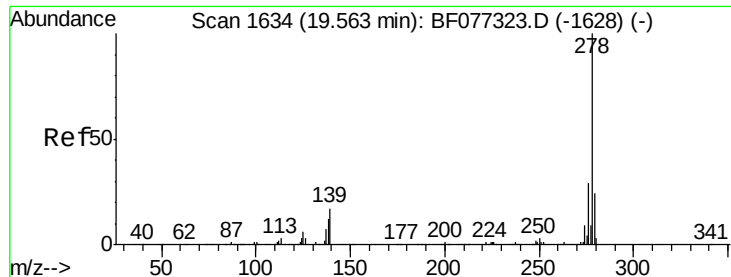
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#89  
Benzo(a)pyrene  
Concen: 134.66 ng  
RT: 18.00 min Scan# 1497  
Delta R.T. 0.05 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 17.4  | 26.0  |
| 125     | 7.7   | 6.2   | 9.2   |





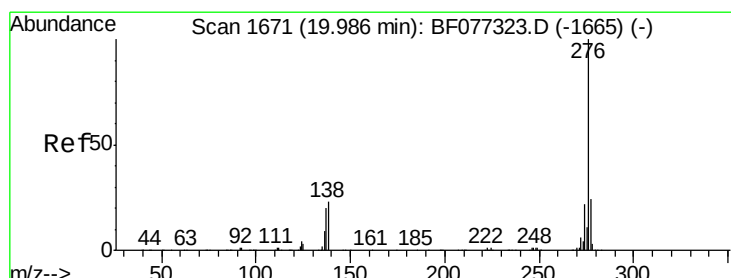
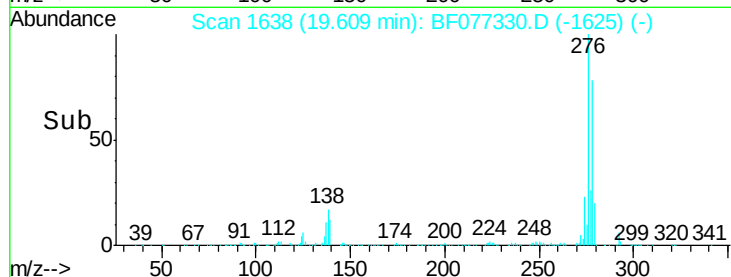
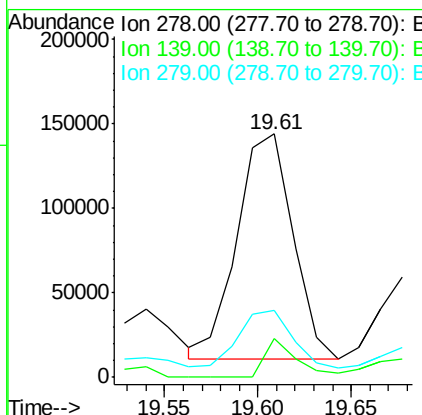
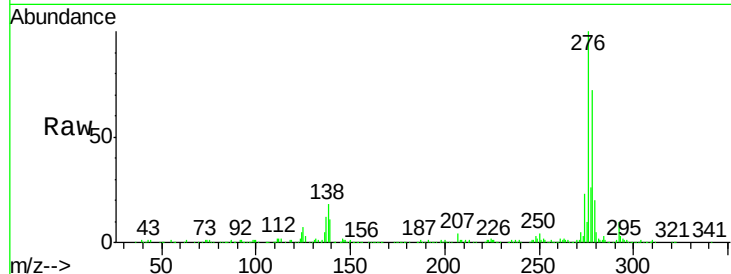
#90  
Dibenzo(a,h)anthracene  
Concen: 20.48 ng  
RT: 19.61 min Scan# 1638  
Delta R.T. 0.05 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

Instrument :  
BNA\_F  
ClientSampleId :  
COMP2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 276156 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 15.9  | 13.4  | 20.2   |
| 279       | 27.7  | 19.1  | 28.7   |

Manual Integrations  
APPROVED

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#91  
Benzo(g,h,i)perylene  
Concen: 89.99 ng  
RT: 20.05 min Scan# 1677  
Delta R.T. 0.07 min  
Lab File: BF077330.D  
Acq: 17 Feb 2015 23:20

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 1206679 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 277       | 24.6  | 19.0  | 28.6    |
| 138       | 20.8  | 18.7  | 28.1    |

