

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\  
 Data File : BF079214.D  
 Acq On : 14 May 2015 1:02  
 Operator : TP/IZ  
 Sample : G2203-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 F-COMP

Manual Integrations  
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 5/14/2015 5:02:36 PM

Quant Time: May 14 02:32:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 00:58:22 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.23  | 152  | 59288    | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8          | 8.81  | 136  | 238902   | 20.00  | ng    | 0.00       |
| 38) Acenaphthene-d10        | 10.98 | 164  | 115740   | 20.00  | ng    | 0.00       |
| 63) Phenanthrene-d10        | 12.82 | 188  | 213174   | 20.00  | ng    | -0.01      |
| 75) Chrysene-d12            | 16.11 | 240  | 232097   | 20.00  | ng    | -0.05      |
| 86) Perylene-d12            | 17.81 | 264  | 265150   | 20.00  | ng    | -0.22      |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.53  | 112  | 351560   | 102.07 | ng    | 0.00       |
| 7) Phenol-d6                | 6.80  | 99   | 442736   | 97.25  | ng    | 0.00       |
| 23) Nitrobenzene-d5         | 7.93  | 82   | 266327   | 64.07  | ng    | 0.00       |
| 41) 2,4,6-Tribromophenol    | 11.97 | 330  | 126784   | 101.26 | ng    | 0.00       |
| 44) 2-Fluorobiphenyl        | 10.16 | 172  | 513440   | 61.80  | ng    | 0.00       |
| 78) Terphenyl-d14           | 14.82 | 244  | 553454m  | 57.09  | ng    | 0.00       |
| Target Compounds            |       |      |          |        |       |            |
| 49) Dimethylphthalate       | 10.66 | 163  | 39710    | 4.67   | ng    | Qvalue 100 |
| 74) Fluoranthene            | 14.33 | 202  | 40610    | 3.27   | ng    | 99         |
| 77) Pyrene                  | 14.62 | 202  | 41556    | 3.11   | ng    | 98         |
| 87) Benzo(b)fluoranthene    | 17.37 | 252  | 29951m   | 2.06   | ng    |            |

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

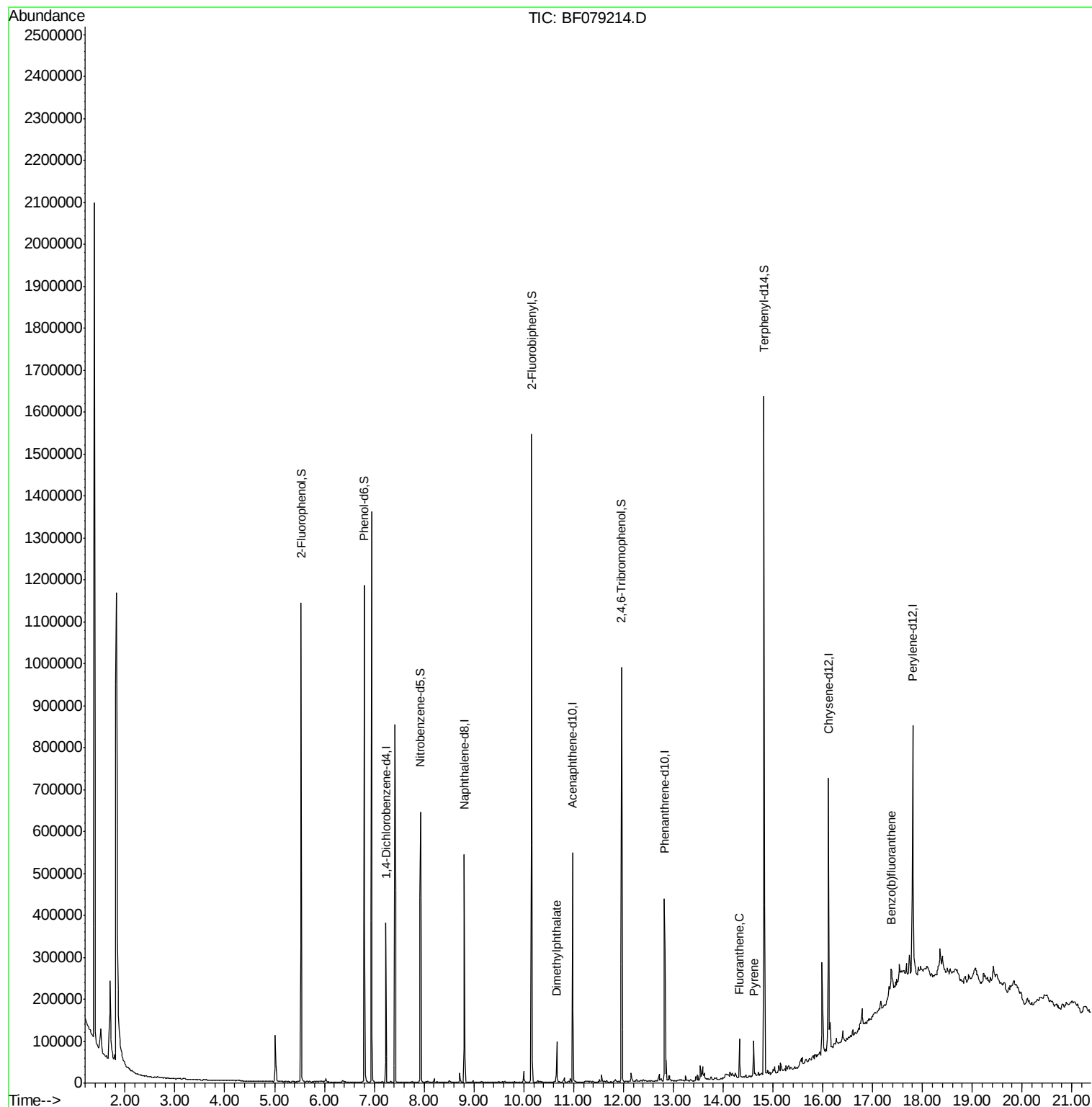
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\  
Data File : BF079214.D  
Acq On : 14 May 2015 1:02  
Operator : TP/IZ  
Sample : G2203-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

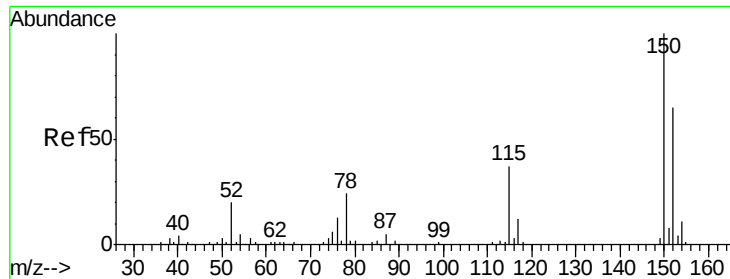
Instrument :  
BNA\_F  
ClientSampleId :  
F-COMP

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5/14/2015 5:02:36 PM

Quant Time: May 14 02:32:34 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 14 00:58:22 2015  
Response via : Initial Calibration





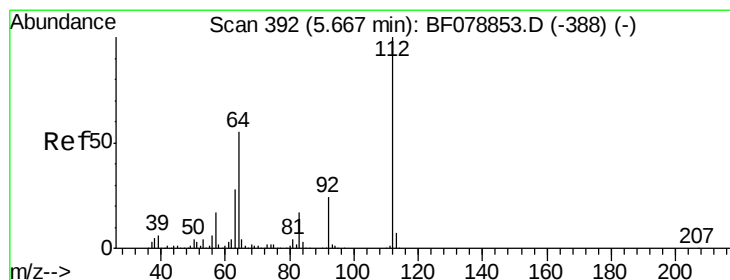
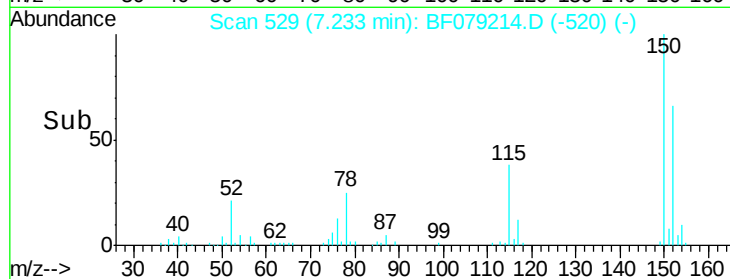
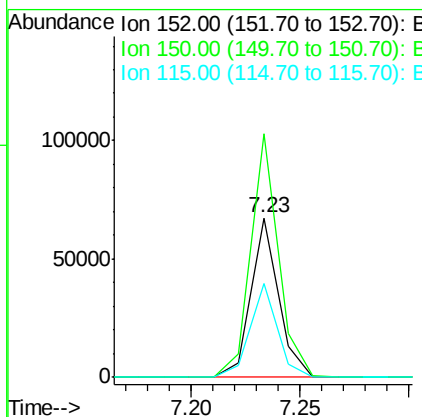
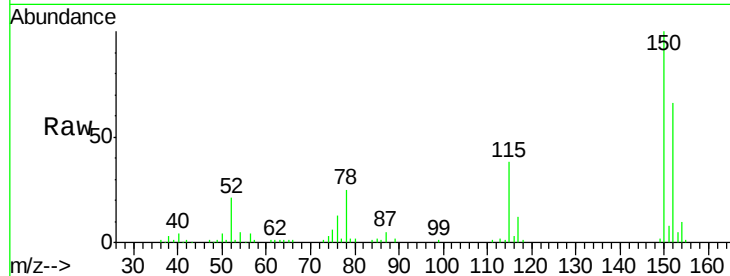
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.23 min Scan# 529  
 Delta R.T. 0.00 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 F-COMP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 59288 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 152.4 | 122.0 | 183.0 |
| 115       | 58.5  | 46.3  | 69.5  |

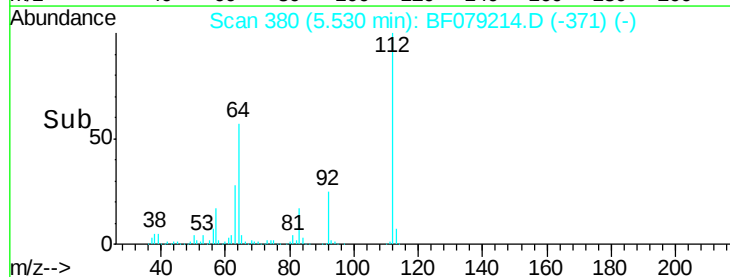
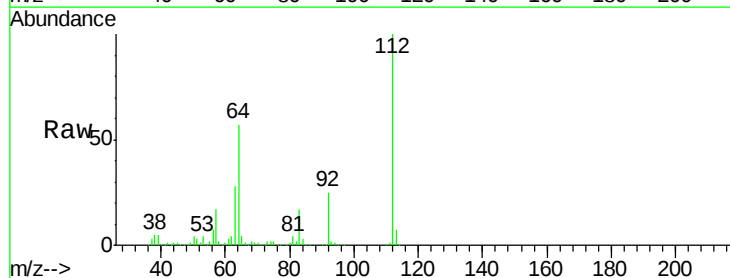
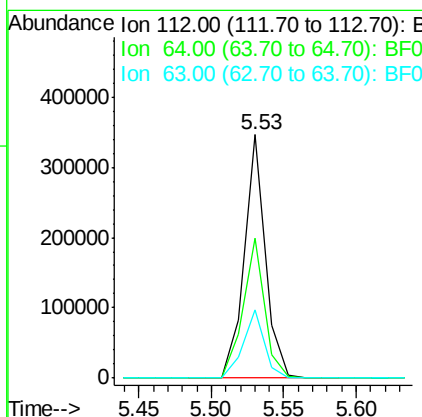
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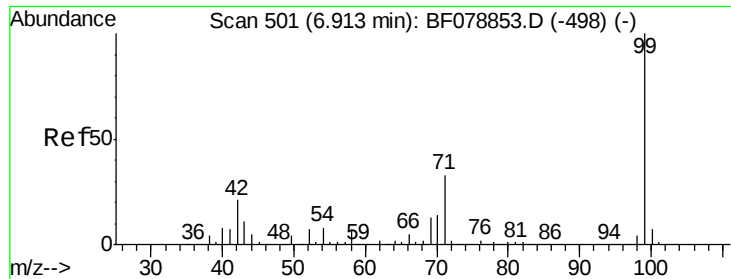
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#5  
 2-Fluorophenol  
 Concen: 102.07 ng  
 RT: 5.53 min Scan# 380  
 Delta R.T. 0.00 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 351560 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.3  | 53.5  | 80.3   |
| 63        | 28.2  | 27.5  | 41.3   |





#7

Phenol-d6

Concen: 97.25 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079214.D

Acq: 14 May 2015 1:02

Instrument :

BNA\_F

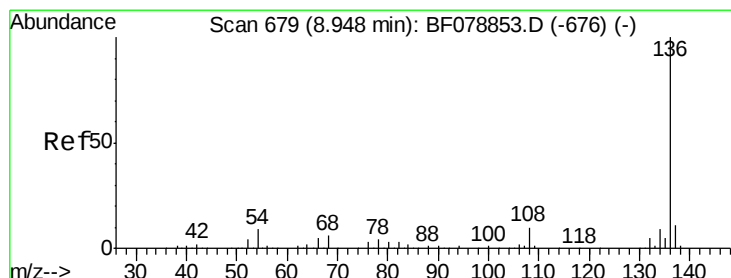
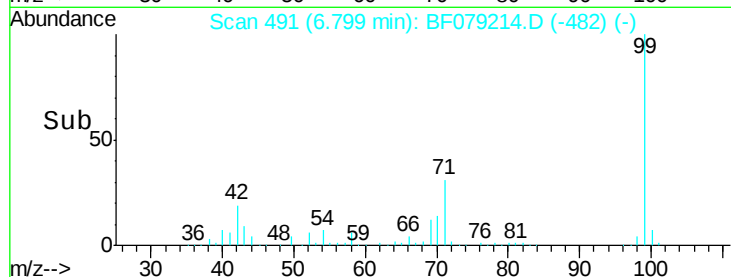
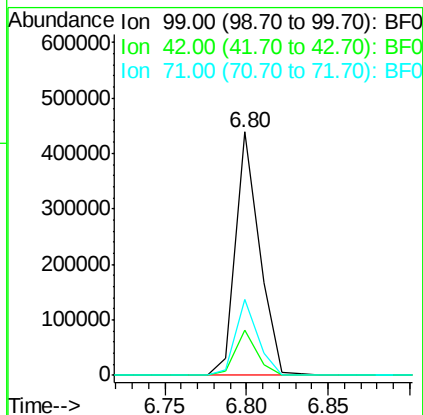
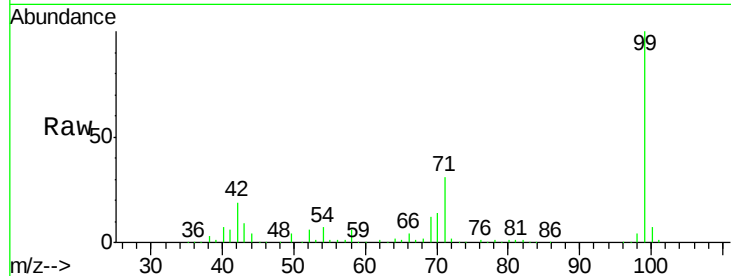
ClientSampled :

F-COMP

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 442736 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.5  | 12.8  | 19.2   |
| 71        | 31.2  | 23.4  | 35.2   |

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#21

Naphthalene-d8

Concen: 20.00 ng

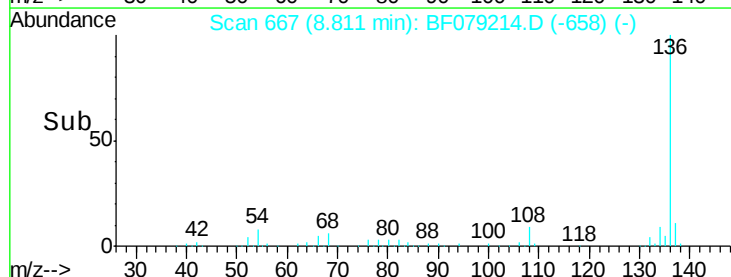
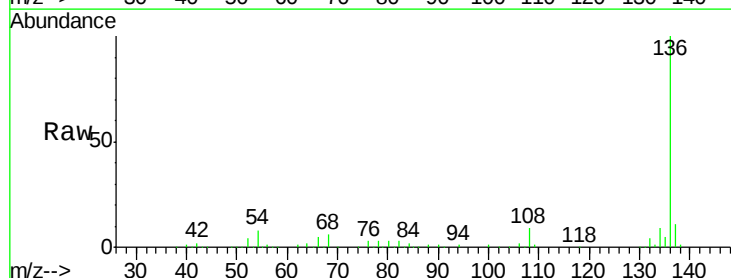
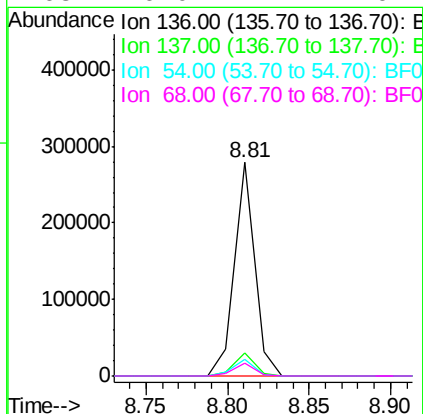
RT: 8.81 min Scan# 667

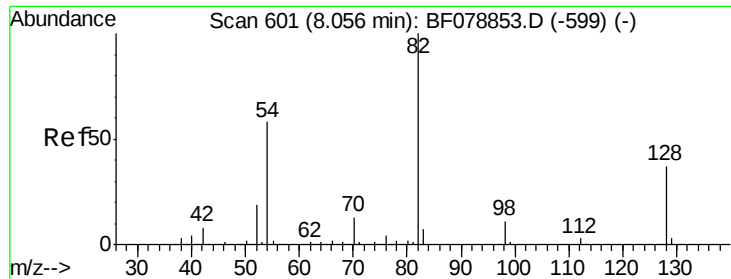
Delta R.T. 0.00 min

Lab File: BF079214.D

Acq: 14 May 2015 1:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 238902 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.7   | 13.1   |
| 54        | 7.6   | 5.8   | 8.8    |
| 68        | 6.0   | 4.2   | 6.4    |





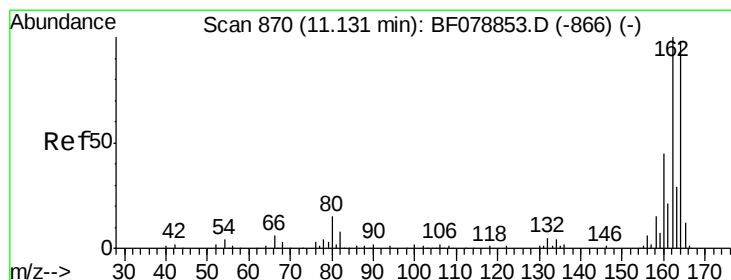
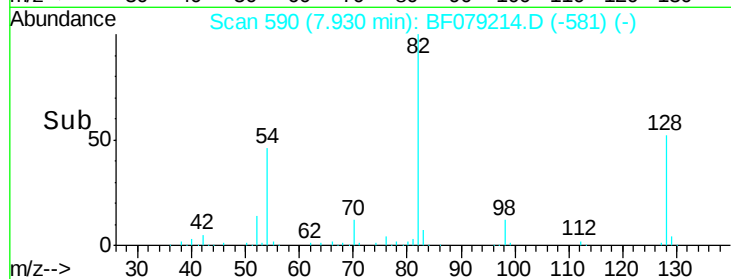
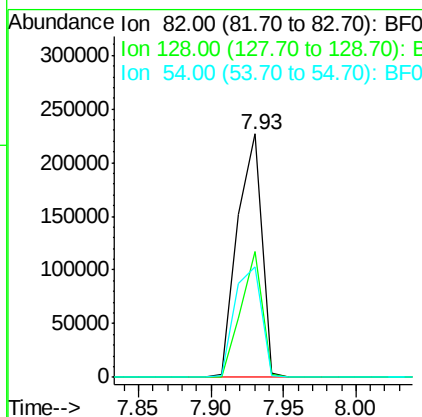
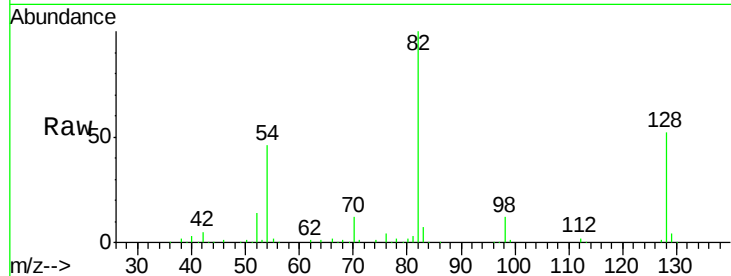
#23  
 Nitrobenzene-d5  
 Concen: 64.07 ng  
 RT: 7.93 min Scan# 590  
 Delta R.T. 0.00 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 F-COMP

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 266327 |       |       |
| 128     | 51.6  | 30.0   | 45.0# |       |
| 54      | 45.5  | 46.4   | 69.6# |       |

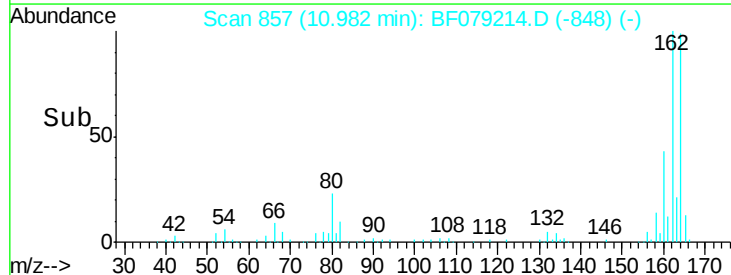
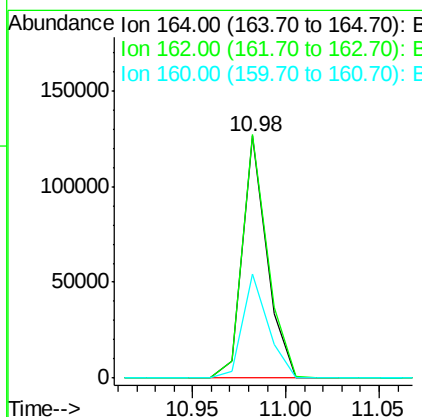
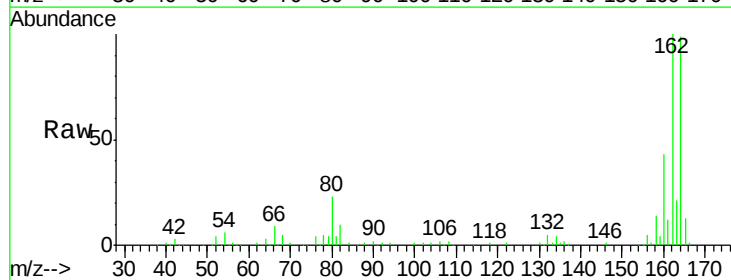
Manual Integrations  
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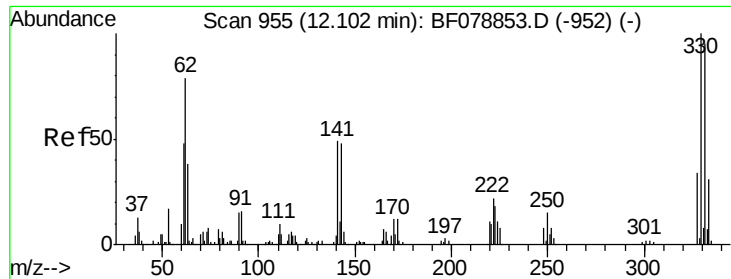
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.98 min Scan# 857  
 Delta R.T. 0.00 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 115740 |       |       |
| 162     | 100.6 | 82.7   | 124.1 |       |
| 160     | 43.3  | 35.8   | 53.8  |       |





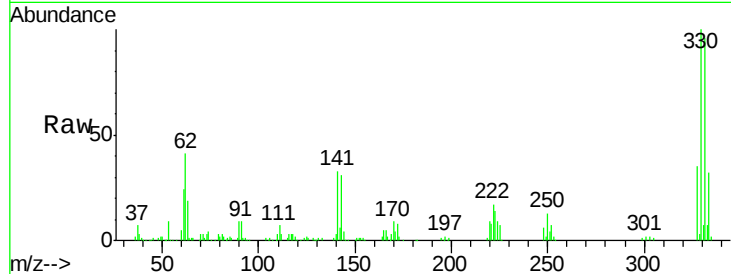
#41  
 2,4,6-Tribromophenol  
 Concen: 101.26 ng  
 RT: 11.97 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 F-COMP

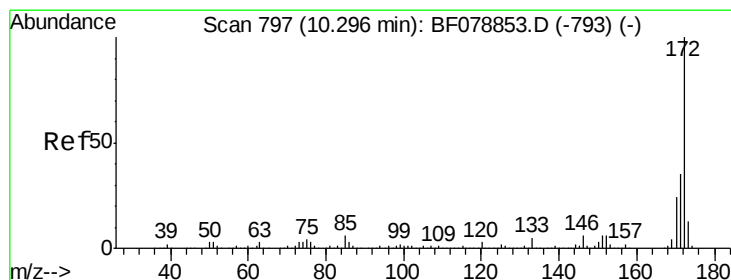
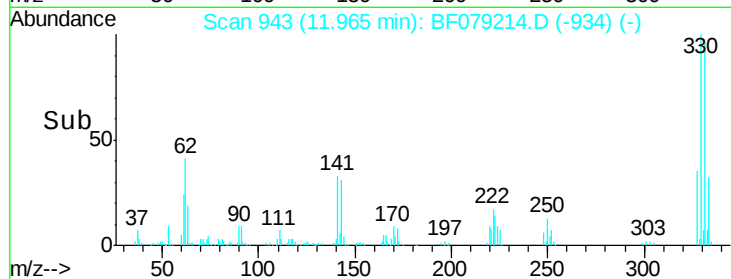
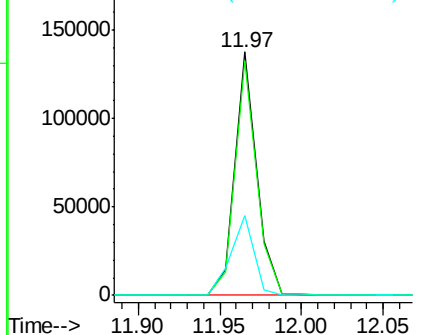
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 96.1  | 0.0        | 0.0#  |
| 141     | 34.5  | 0.0        | 0.0#  |

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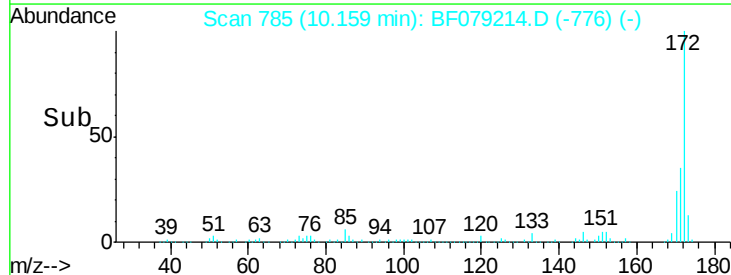
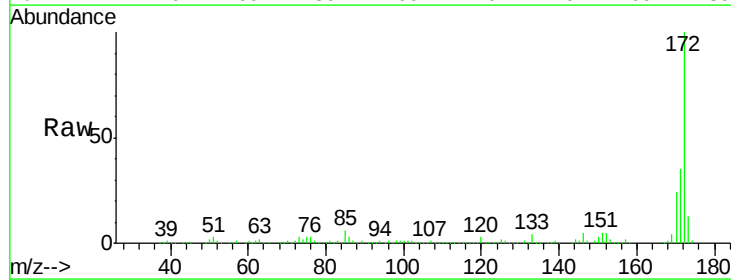
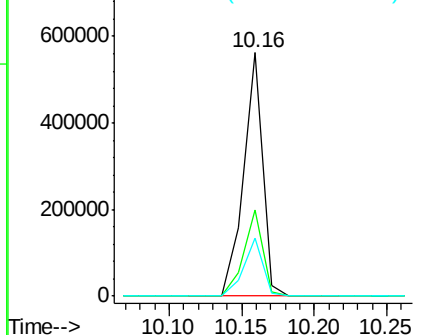
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 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

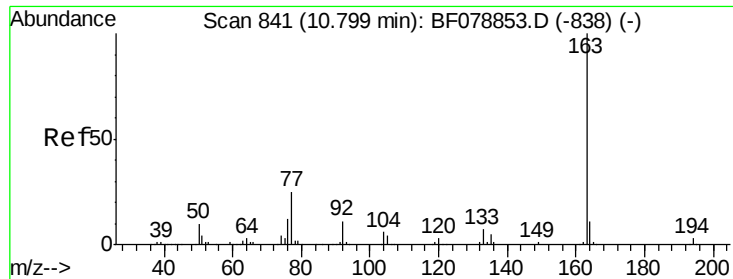


#44  
 2-Fluorobiphenyl  
 Concen: 61.80 ng  
 RT: 10.16 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 172     | 100   |            |       |
| 171     | 35.2  | 27.9       | 41.9  |
| 170     | 23.9  | 19.4       | 29.0  |

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





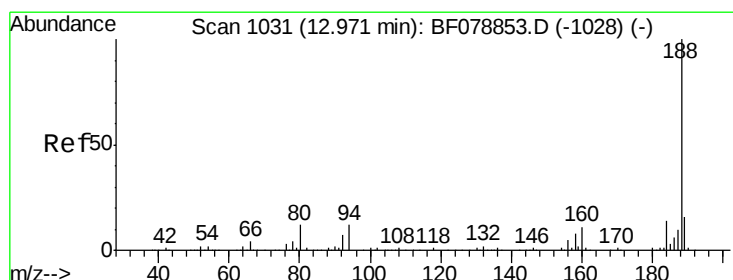
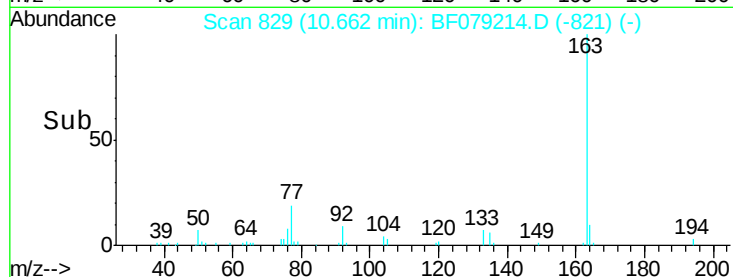
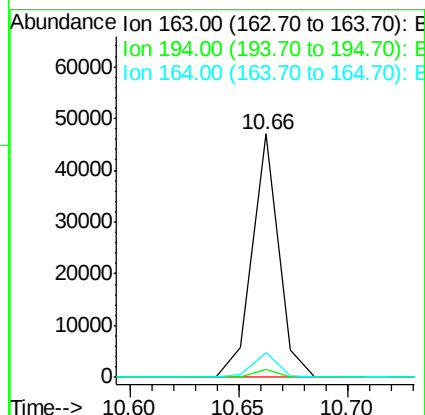
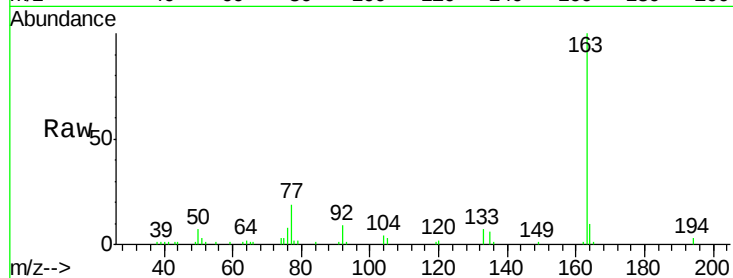
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Dimethylphthalate  
Concen: 4.67 ng  
RT: 10.66 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BF079214.D  
Acq: 14 May 2015 1:02

Instrument :  
BNA\_F  
ClientSampleId :  
F-COMP

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 39710 |       |       |
| 194     | 3.3   | 2.6   | 4.0   |       |
| 164     | 10.3  | 8.1   | 12.1  |       |

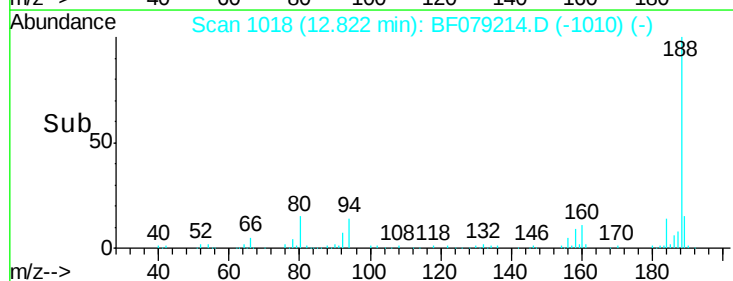
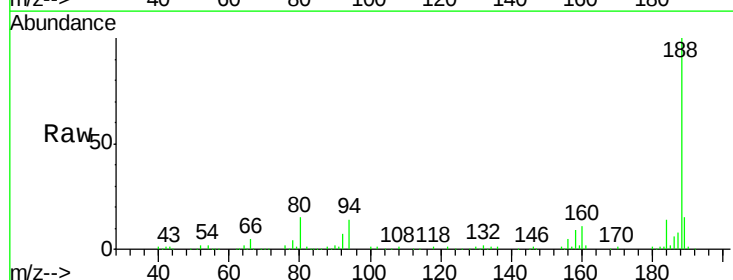
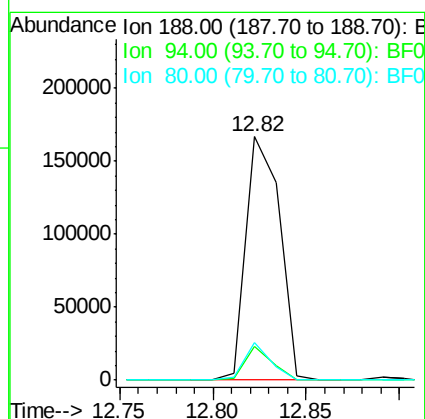
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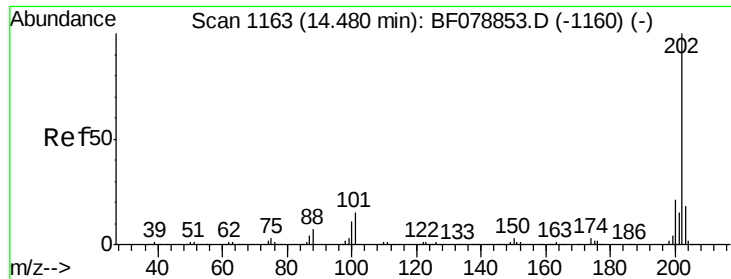
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#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.82 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF079214.D  
Acq: 14 May 2015 1:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 213174 |       |       |
| 94      | 14.0  | 8.2    | 12.2# |       |
| 80      | 15.2  | 8.9    | 13.3# |       |





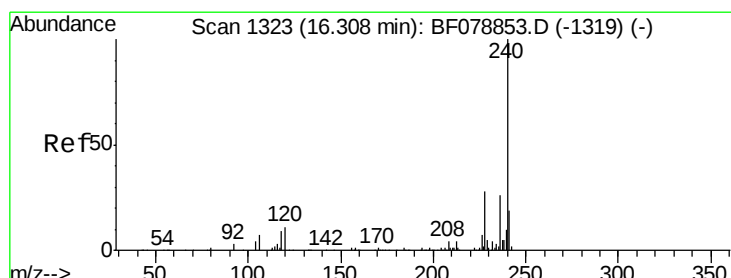
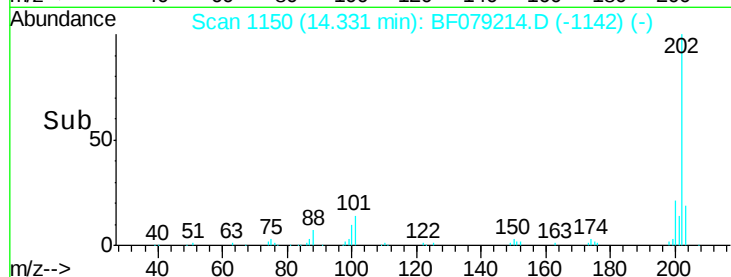
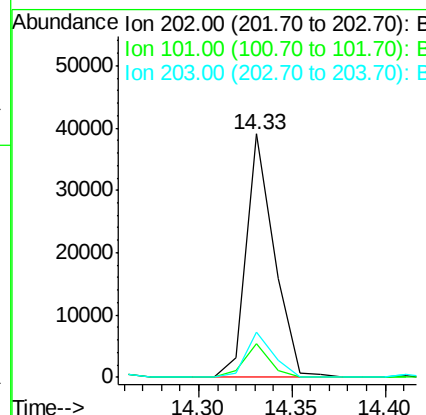
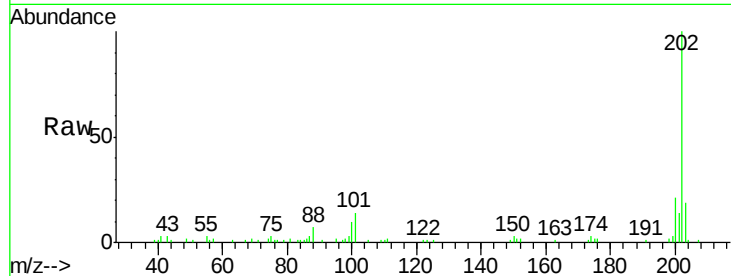
#74  
 Fluoranthene  
 Concen: 3.27 ng  
 RT: 14.33 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

Instrument :  
 BNA\_F  
 ClientSampled :  
 F-COMP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 40610 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.1  | 0.0   | 34.6  |
| 203       | 18.7  | 0.0   | 38.4  |

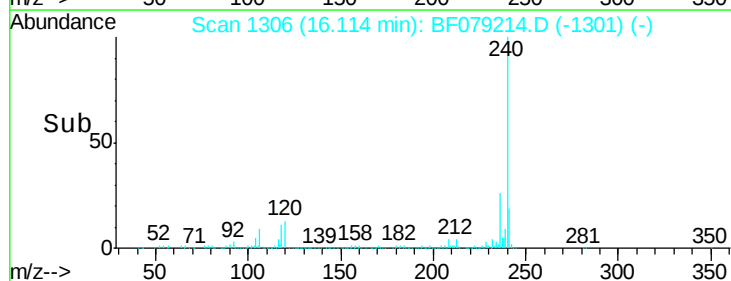
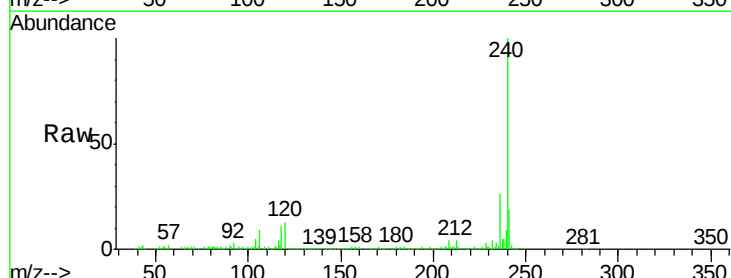
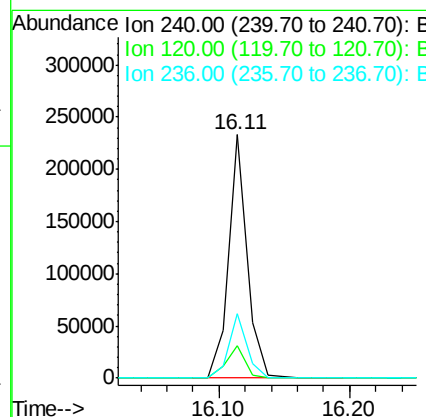
Manual Integrations  
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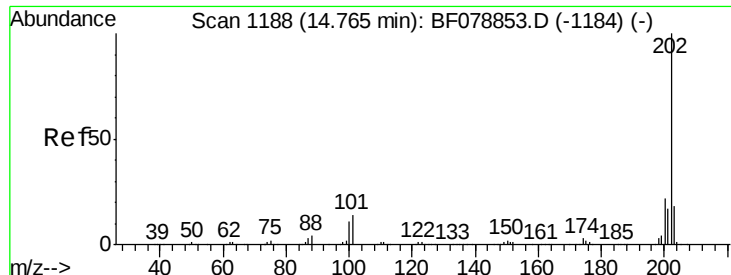
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#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 16.11 min Scan# 1306  
 Delta R.T. -0.05 min  
 Lab File: BF079214.D  
 Acq: 14 May 2015 1:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 232097 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.5  | 9.7   | 14.5   |
| 236       | 26.4  | 20.2  | 30.4   |





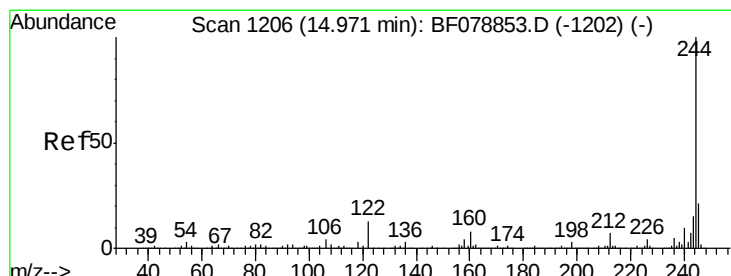
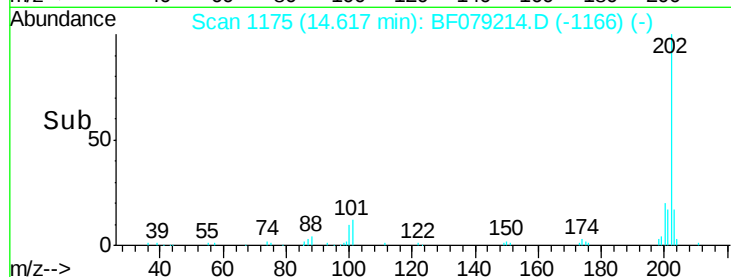
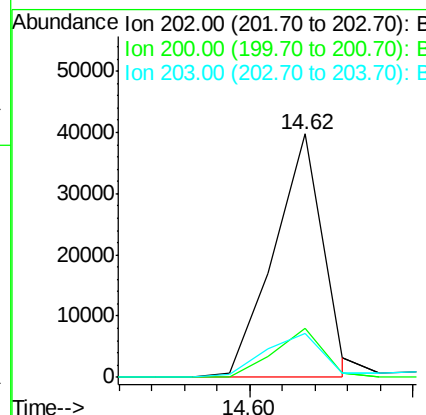
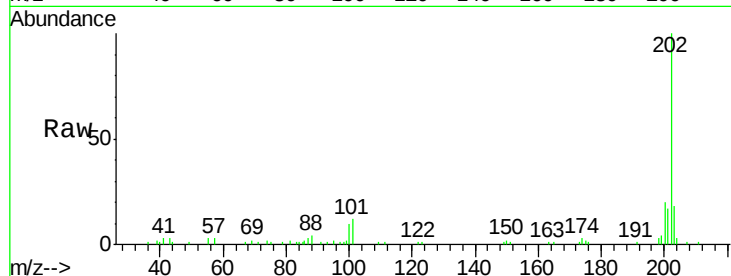
#77  
Pvrene  
Concen: 3.11 ng  
RT: 14.62 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: BF079214.D  
Acq: 14 May 2015 1:02

Instrument :  
BNA\_F  
ClientSampled :  
F-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 17.5  | 26.3  |
| 203     | 17.9  | 13.9  | 20.9  |

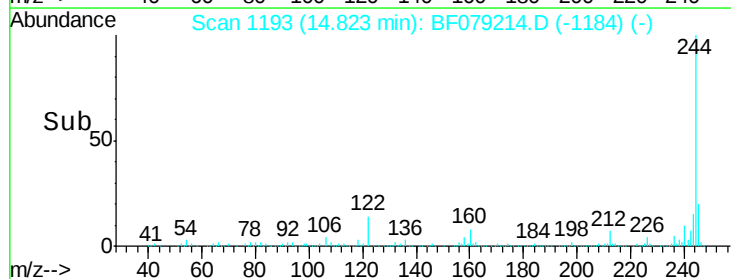
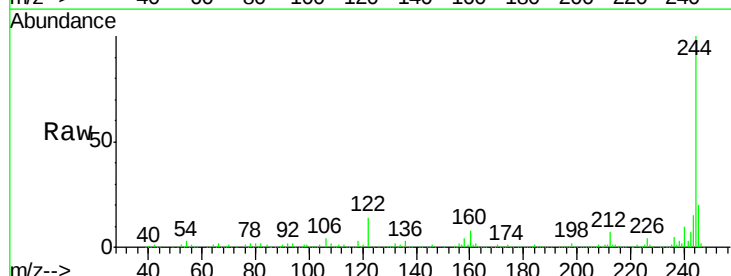
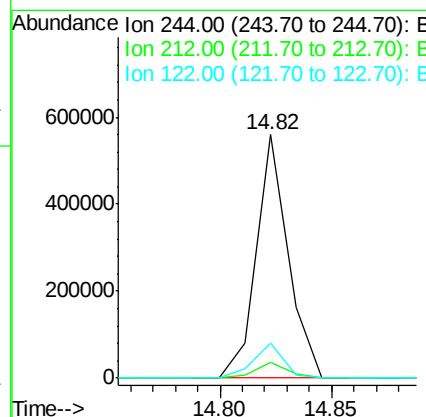
Manual Integrations  
APPROVED

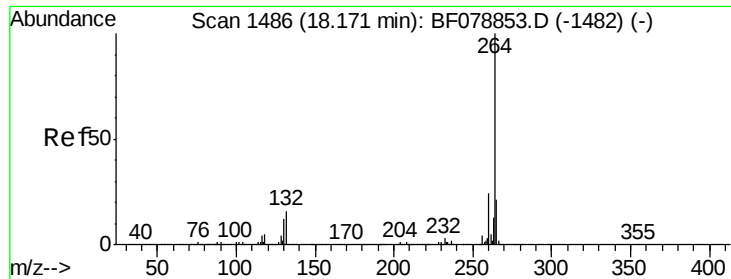
apatel  
5/14/2015 5:02:36 PM



#78  
Terphenyl-d14  
Concen: 57.09 ng m  
RT: 14.82 min Scan# 1193  
Delta R.T. 0.00 min  
Lab File: BF079214.D  
Acq: 14 May 2015 1:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.6   | 5.6   | 8.4   |
| 122     | 14.4  | 10.3  | 15.5  |





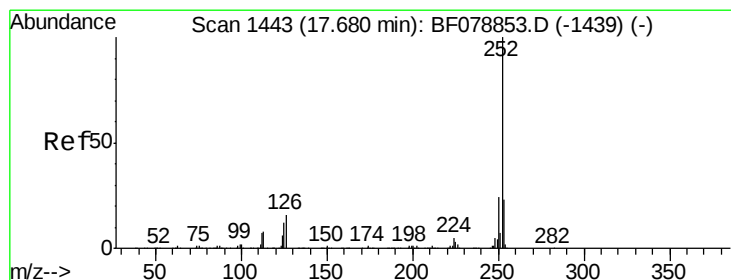
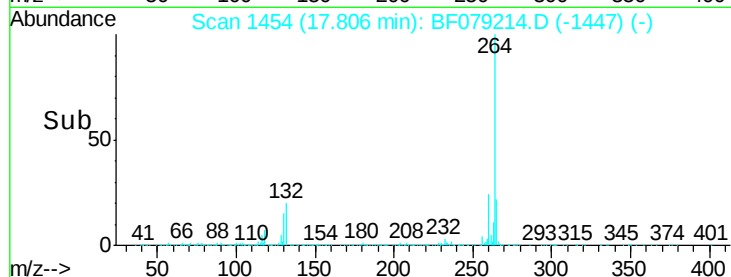
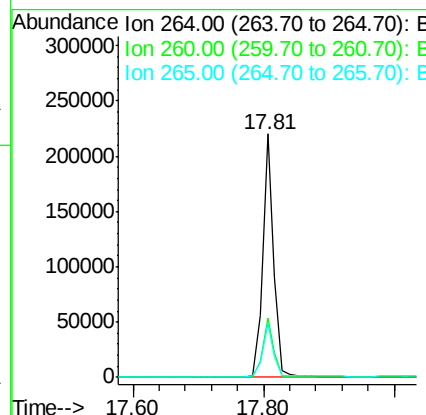
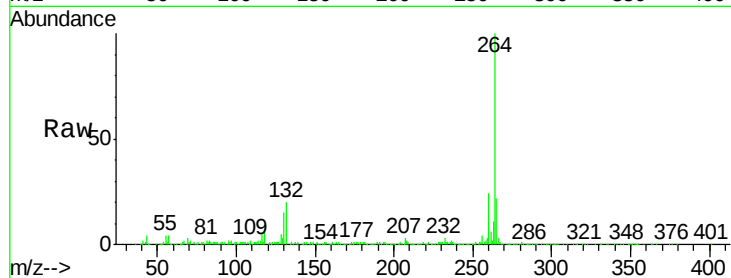
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.81 min Scan# 1454  
Delta R.T. -0.22 min  
Lab File: BF079214.D  
Acq: 14 May 2015 1:02

Instrument :  
BNA\_F  
ClientSampleId :  
F-COMP

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 24.3  | 19.4       | 29.2  |
| 265     | 22.0  | 18.3       | 27.5  |

Manual Integrations  
APPROVED

apatel  
5/14/2015 5:02:36 PM



#87  
Benzo(b)fluoranthene  
Concen: 2.06 ng m  
RT: 17.37 min Scan# 1416  
Delta R.T. -0.16 min  
Lab File: BF079214.D  
Acq: 14 May 2015 1:02

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 26.8  | 17.7       | 26.5# |
| 125     | 19.4  | 9.5        | 14.3# |

