

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\  
 Data File : BF079588.D  
 Acq On : 30 May 2015 6:37  
 Operator : TP/IZ  
 Sample : G2405-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-016-A

Manual Integrations  
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Quant Time: May 31 06:06:56 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 29 17:35:14 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 92783    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.52  | 136  | 377585   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.68 | 164  | 174100   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 12.53 | 188  | 312135   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 15.79 | 240  | 320515   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12            | 17.52 | 264  | 338137   | 20.00 | ng    | -0.15    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.22  | 112  | 471147   | 88.08 | ng    | -0.01    |
| 7) Phenol-d6                | 6.55  | 99   | 617655   | 90.59 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.64  | 82   | 340521   | 52.13 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 11.67 | 330  | 160366   | 83.86 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.87  | 172  | 659575   | 54.05 | ng    | -0.01    |
| 78) Terphenyl-d14           | 14.51 | 244  | 658755   | 48.23 | ng    | -0.02    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 10.39 | 163  | 99938    | 7.79  | ng    | 99       |
| 70) Phenanthrene            | 12.55 | 178  | 39217    | 2.29  | ng    | 98       |
| 74) Fluoranthene            | 14.02 | 202  | 107095   | 5.83  | ng    | 97       |
| 77) Pyrene                  | 14.30 | 202  | 92695    | 4.67  | ng    | 97       |
| 79) Butylbenzylphthalate    | 15.14 | 149  | 112158   | 12.56 | ng    | # 85     |
| 80) Benzo(a)anthracene      | 15.78 | 228  | 52804    | 2.86  | ng    | 97       |
| 82) Chrysene                | 15.83 | 228  | 46136    | 2.63  | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 17.07 | 252  | 72421m   | 3.76  | ng    |          |

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

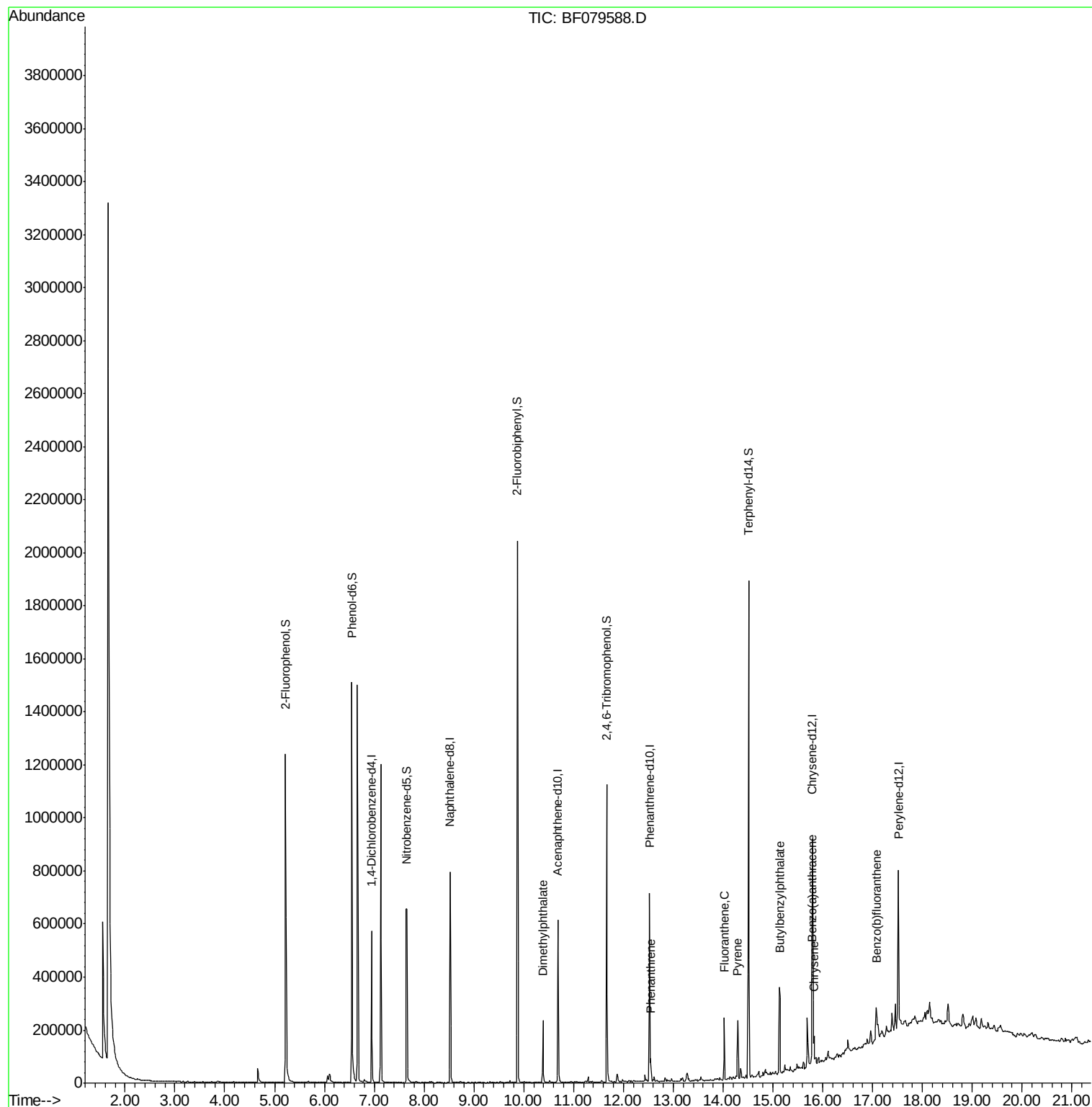
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\  
Data File : BF079588.D  
Acq On : 30 May 2015 6:37  
Operator : TP/IZ  
Sample : G2405-01  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

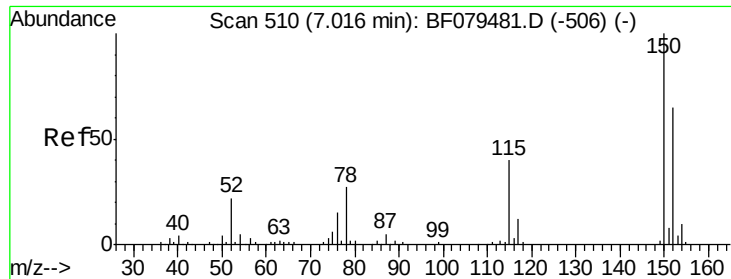
Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-016-A

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Quant Time: May 31 06:06:56 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 29 17:35:14 2015  
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#1

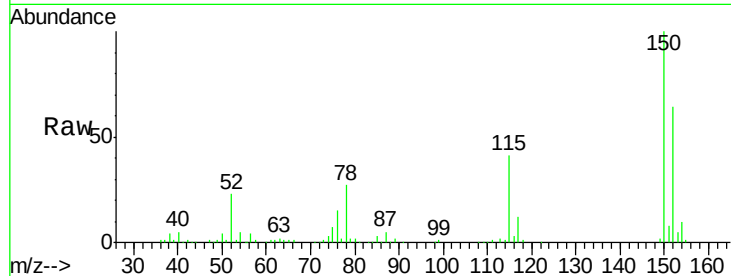
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.95 min Scan# 504  
Delta R.T. -0.01 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-016-A

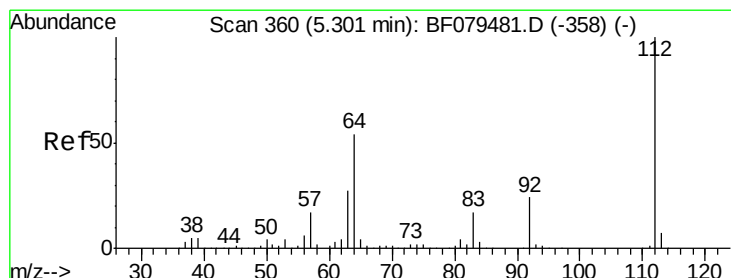
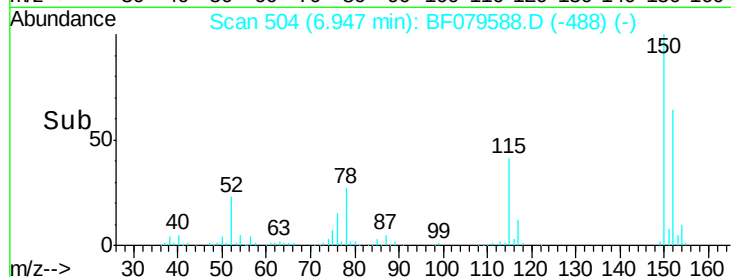
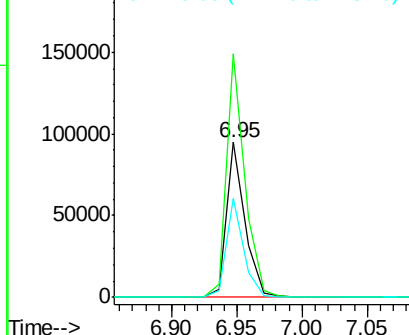
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 124.0 | 186.0 |
| 115     | 64.1  | 49.6  | 74.4  |

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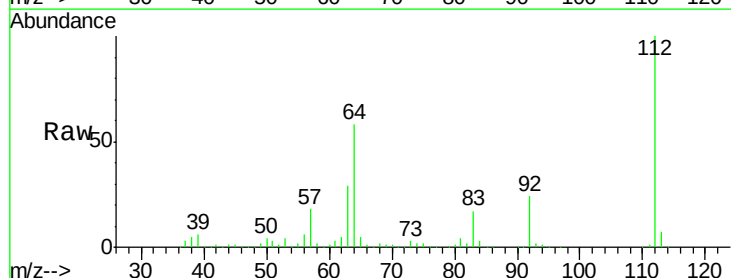
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



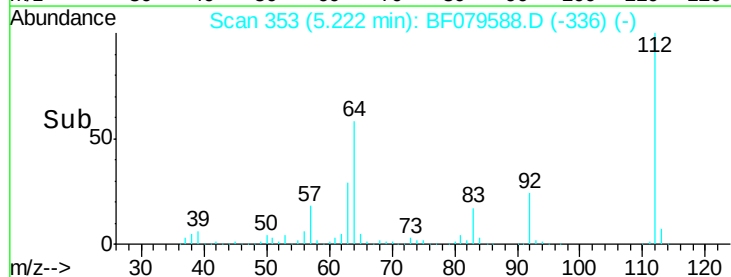
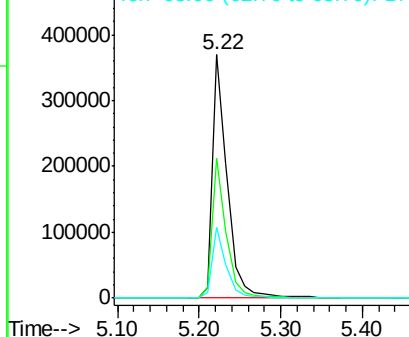
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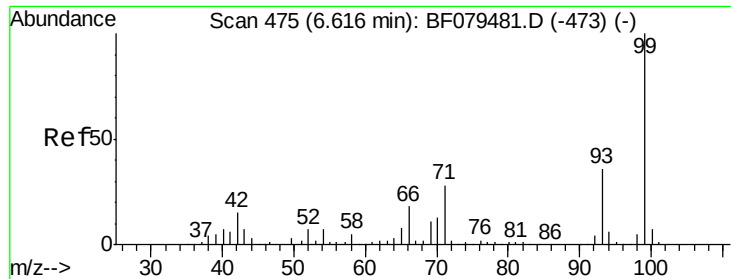
2-Fluorophenol  
Concen: 88.08 ng  
RT: 5.22 min Scan# 353  
Delta R.T. -0.01 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.5  | 43.5  | 65.3  |
| 63      | 29.3  | 21.8  | 32.8  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.59 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF079588.D

Acq: 30 May 2015 6:37

Instrument :

BNA\_F

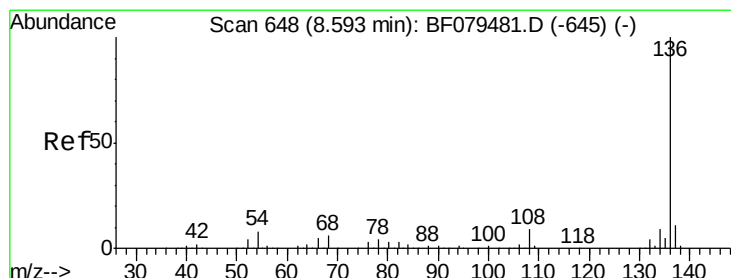
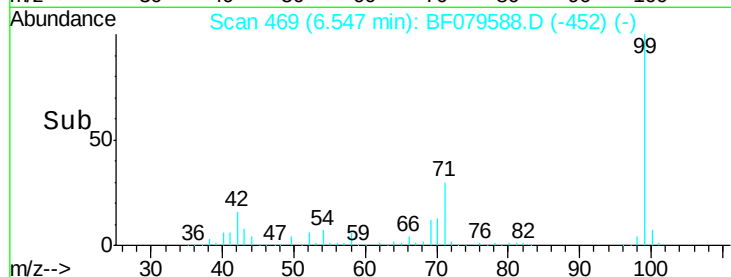
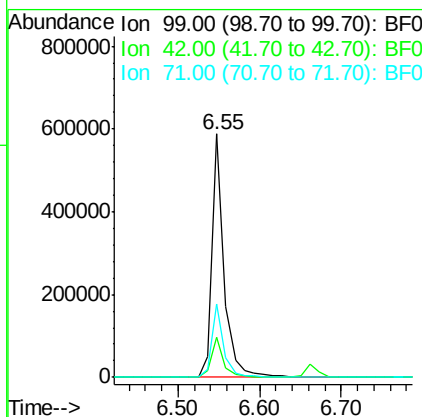
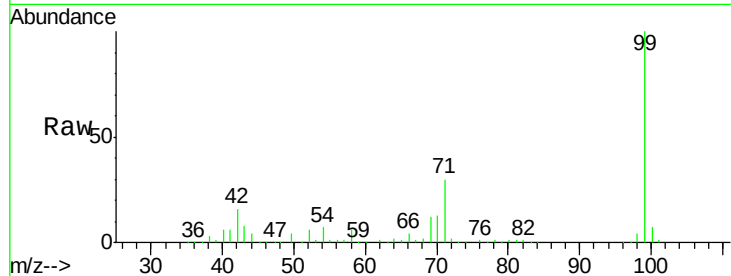
ClientSampleId :

FK-GF-01-016-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 617655 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.2  | 11.9  | 17.9   |
| 71        | 29.9  | 22.1  | 33.1   |

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#21

Naphthalene-d8

Concen: 20.00 ng

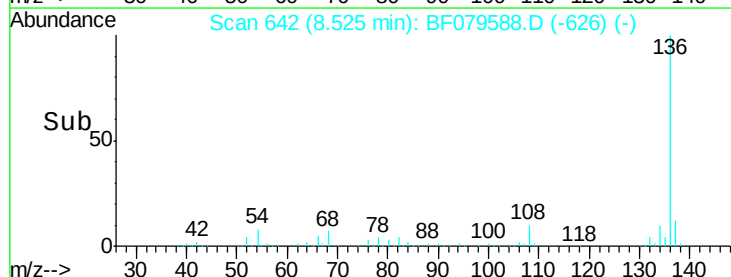
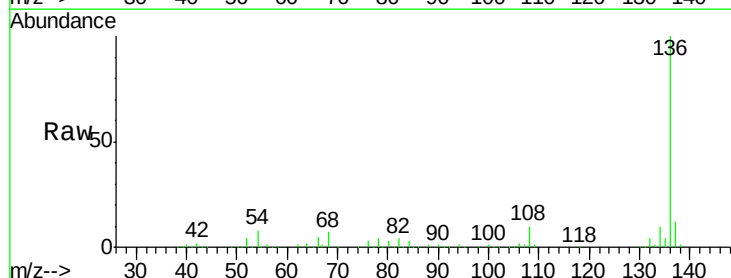
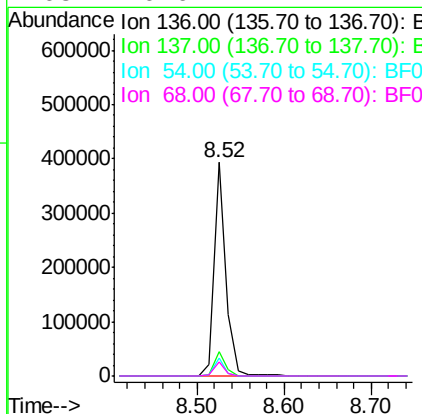
RT: 8.52 min Scan# 642

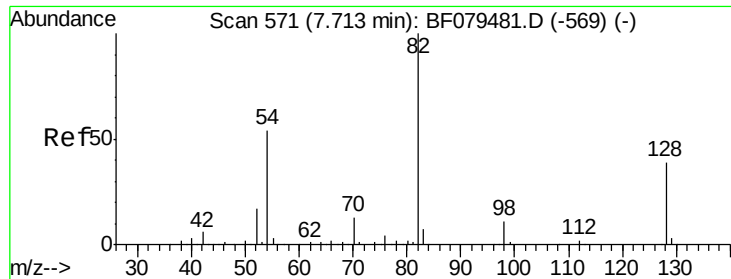
Delta R.T. -0.01 min

Lab File: BF079588.D

Acq: 30 May 2015 6:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 377585 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.6  | 8.5   | 12.7   |
| 54        | 8.2   | 6.6   | 9.8    |
| 68        | 6.6   | 4.7   | 7.1    |





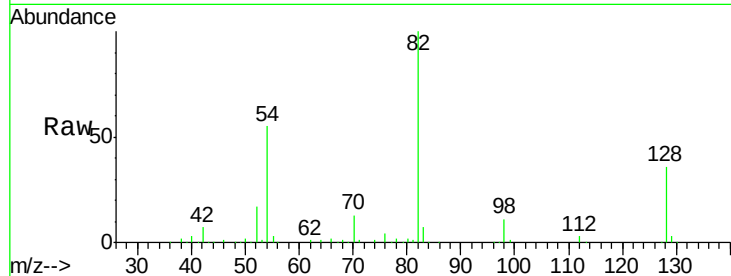
#23  
 Nitrobenzene-d5  
 Concen: 52.13 ng  
 RT: 7.64 min Scan# 565  
 Delta R.T. -0.02 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-016-A

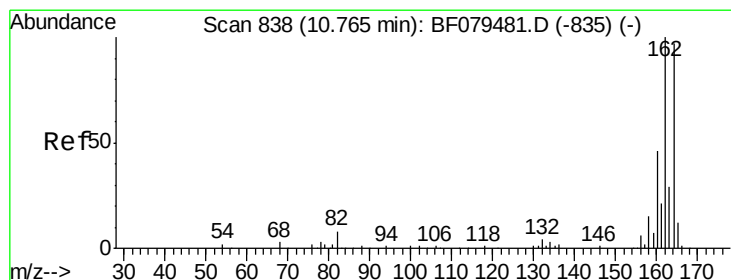
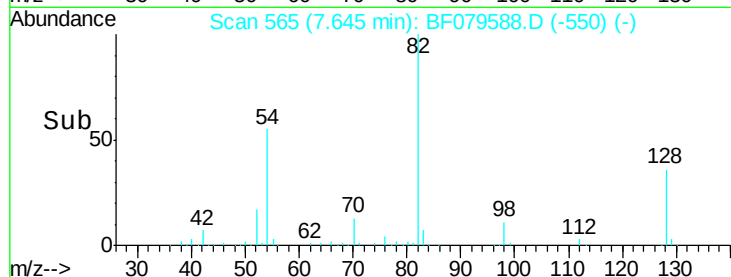
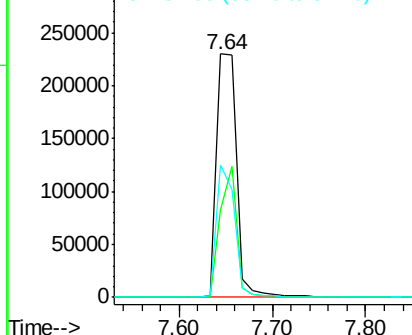
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 340521 |       |       |
| 128     | 35.8  |        | 30.8  | 46.2  |
| 54      | 54.5  |        | 42.8  | 64.2  |

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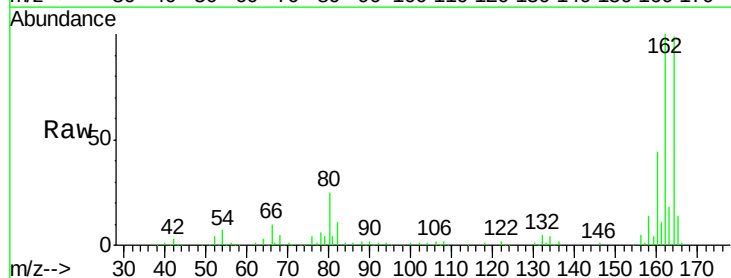


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

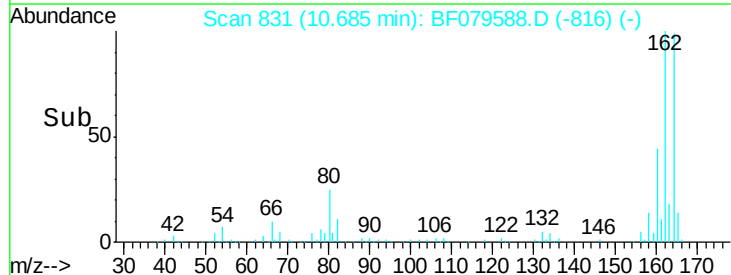
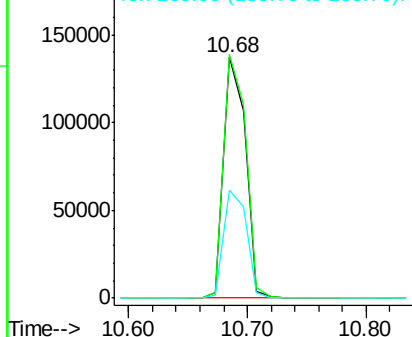


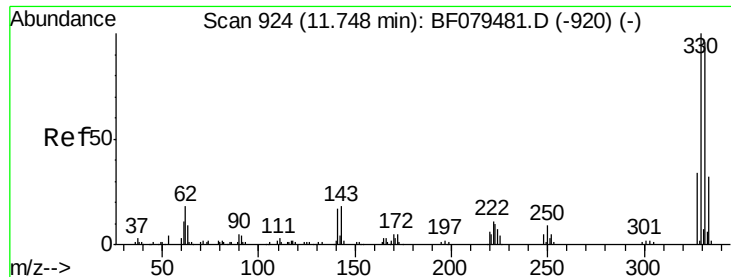
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.68 min Scan# 831  
 Delta R.T. -0.02 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 174100 |       |       |
| 162     | 101.1 |        | 82.6  | 124.0 |
| 160     | 44.7  |        | 37.7  | 56.5  |



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





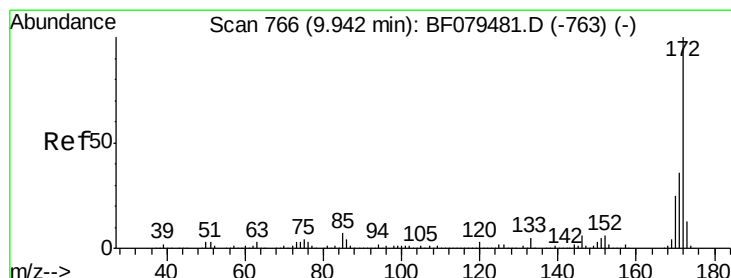
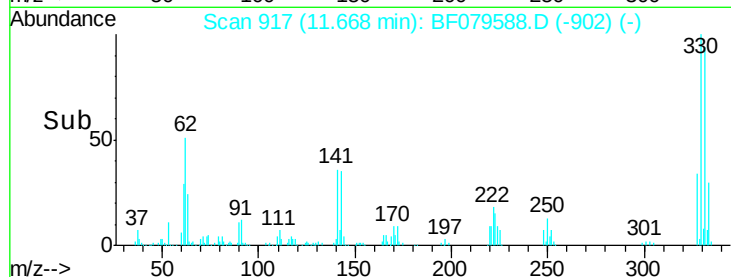
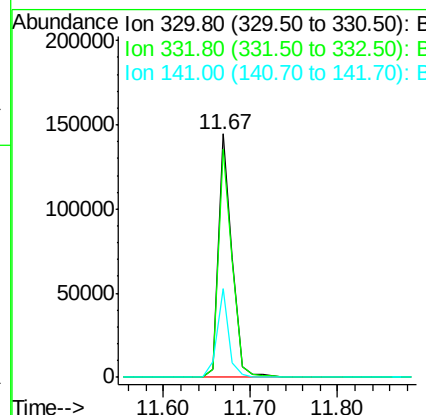
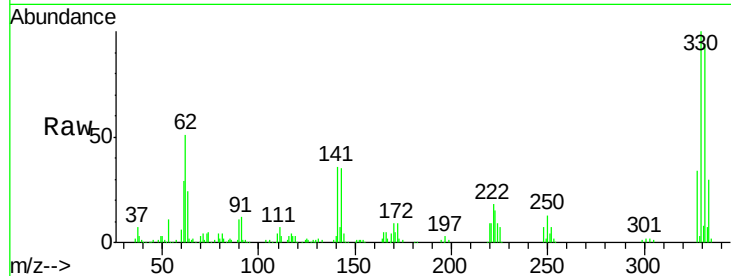
#41  
 2,4,6-Tribromophenol  
 Concen: 83.86 ng  
 RT: 11.67 min Scan# 917  
 Delta R.T. -0.02 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-016-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 160366 |       |       |
| 332     | 94.9  | 0.0    | 0.0   | 0.0   |
| 141     | 31.6  | 0.0    | 0.0   | 0.0   |

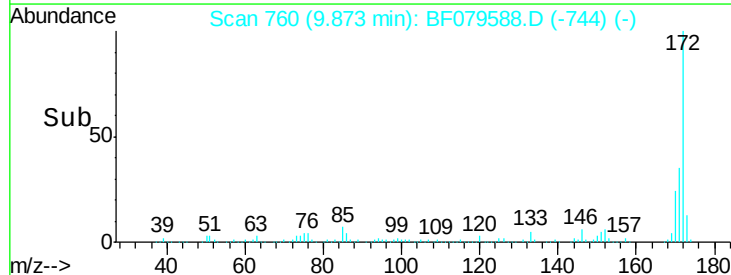
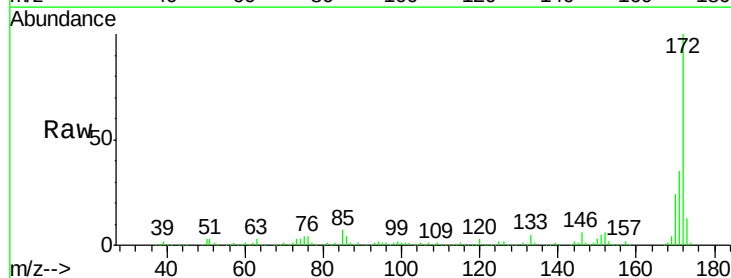
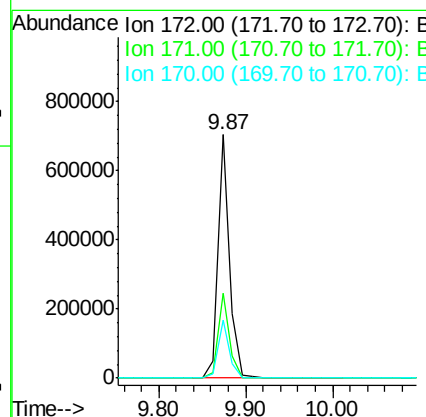
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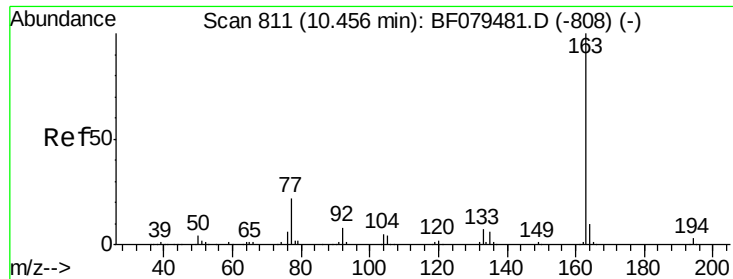
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#44  
 2-Fluorobiphenyl  
 Concen: 54.05 ng  
 RT: 9.87 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 659575 |       |       |
| 171     | 35.0  | 28.5   | 42.7  |       |
| 170     | 23.8  | 19.7   | 29.5  |       |





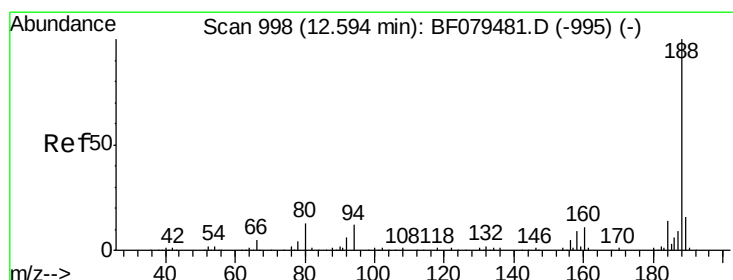
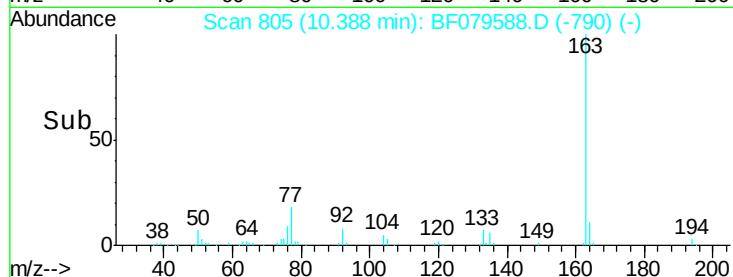
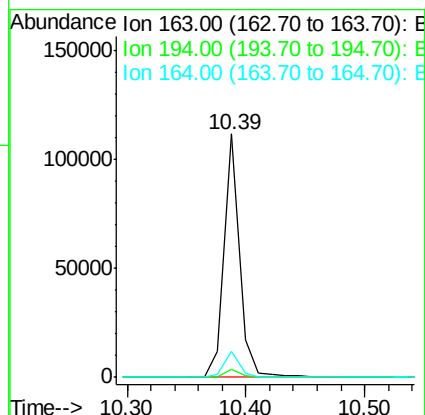
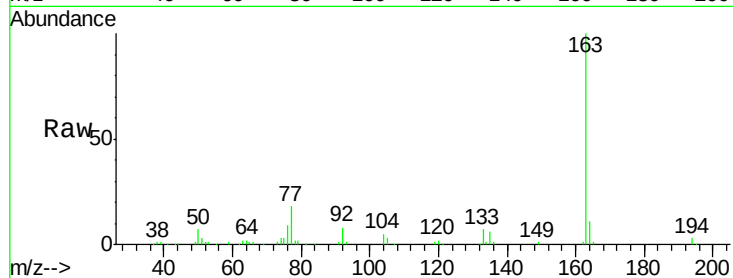
#49  
Dimethylphthalate  
Concen: 7.79 ng  
RT: 10.39 min Scan# 805  
Delta R.T. -0.02 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-016-A

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 99938 |       |       |
| 194     | 3.1   |       | 2.4   | 3.6   |
| 164     | 10.5  |       | 8.2   | 12.4  |

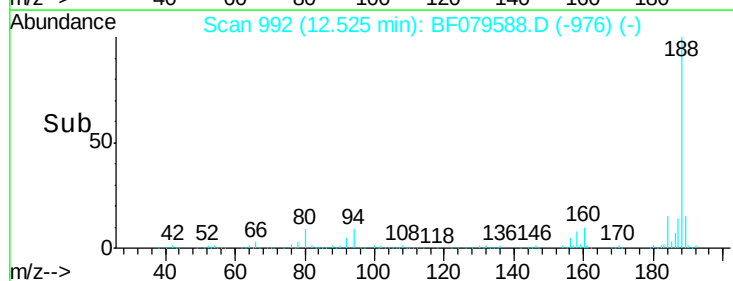
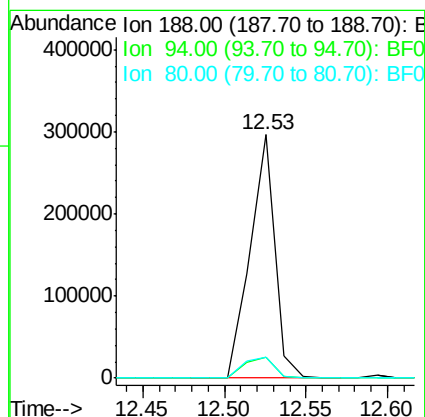
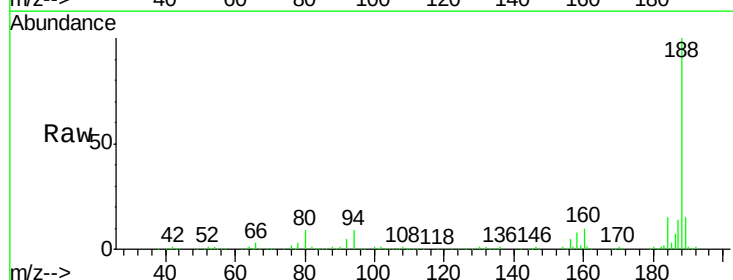
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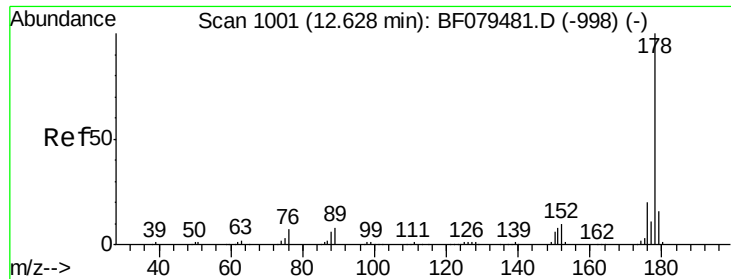
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#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.53 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 312135 |       |       |
| 94      | 8.5   |        | 9.8   | 14.6# |
| 80      | 8.7   |        | 10.5  | 15.7# |





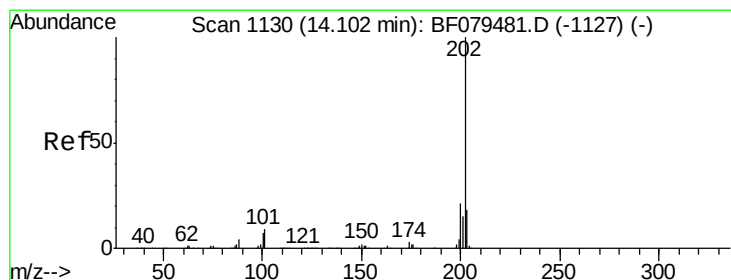
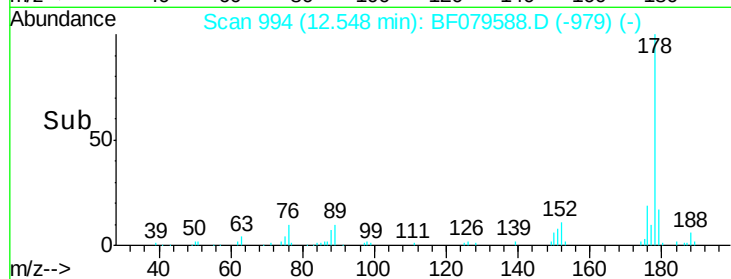
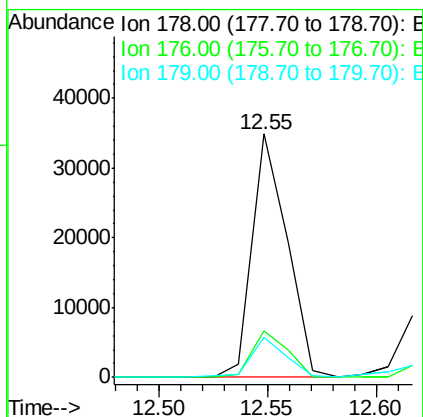
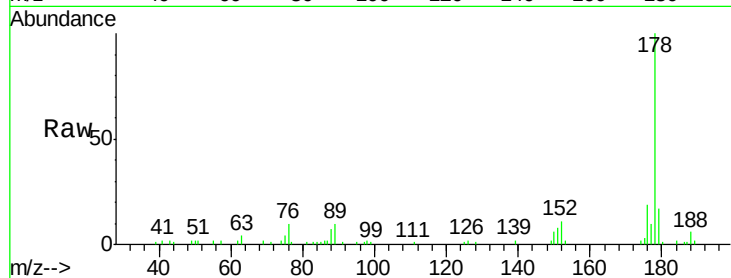
#70  
Phenanthrene  
Concen: 2.29 ng  
RT: 12.55 min Scan# 994  
Delta R.T. -0.02 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-016-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.7  | 23.5  |
| 179     | 16.6  | 12.4  | 18.6  |

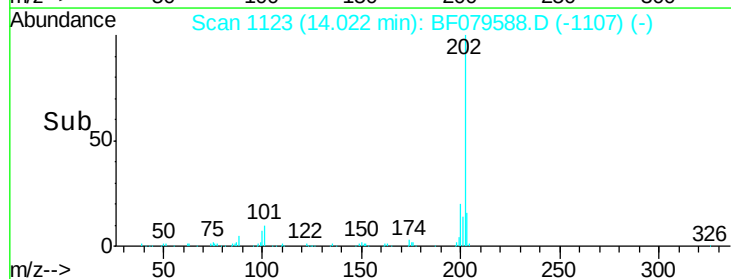
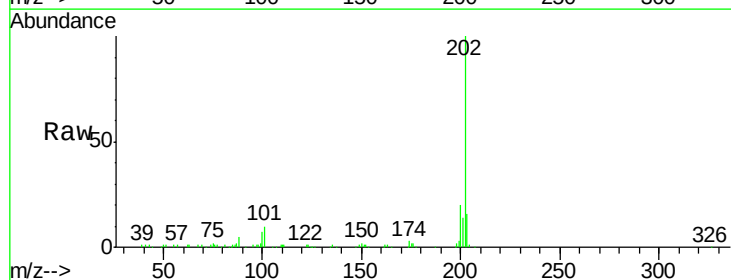
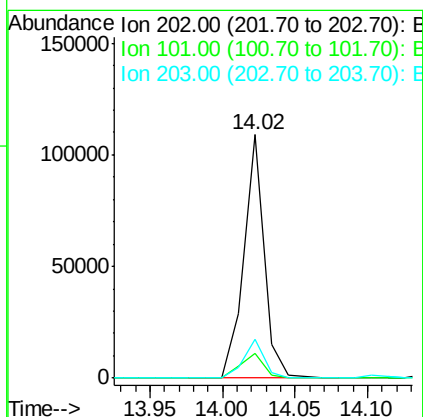
Manual Integrations  
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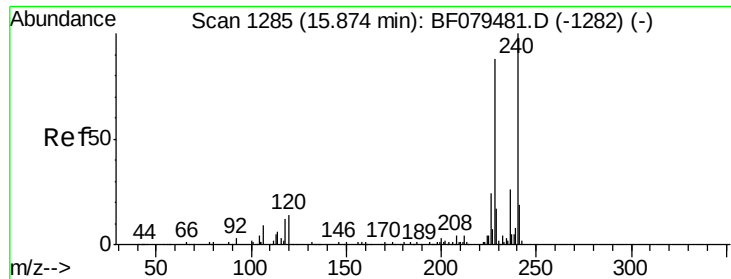


#74  
Fluoranthene  
Concen: 5.83 ng  
RT: 14.02 min Scan# 1123  
Delta R.T. -0.01 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.3  | 0.0   | 29.3  |
| 203     | 16.0  | 0.0   | 37.6  |







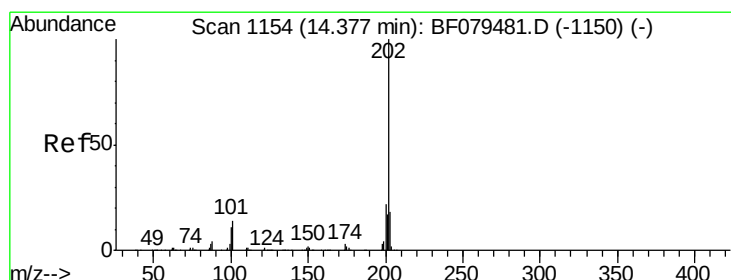
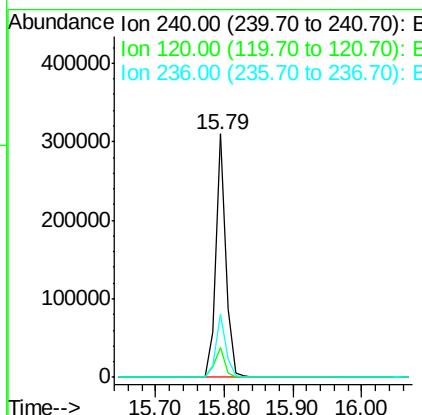
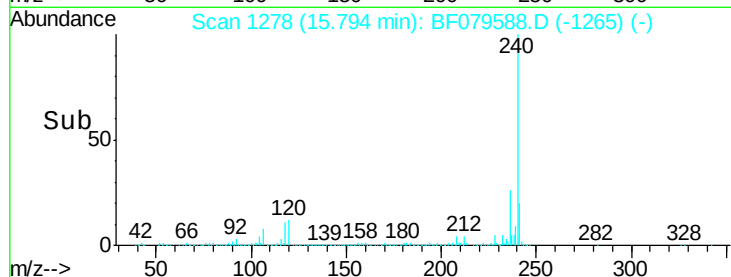
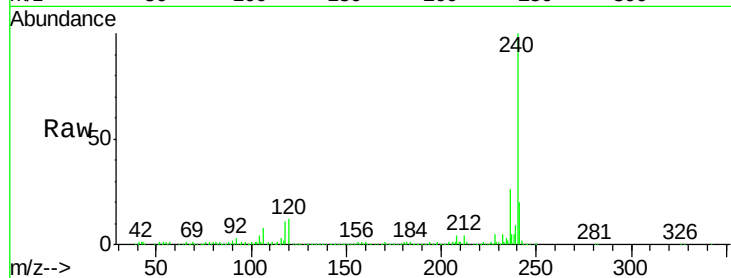
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.79 min Scan# 1278  
 Delta R.T. -0.05 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-016-A

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 240  | Resp: | 320515 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 12.5 | 10.8  | 16.2   |
| 236       | 26.1 | 21.0  | 31.6   |

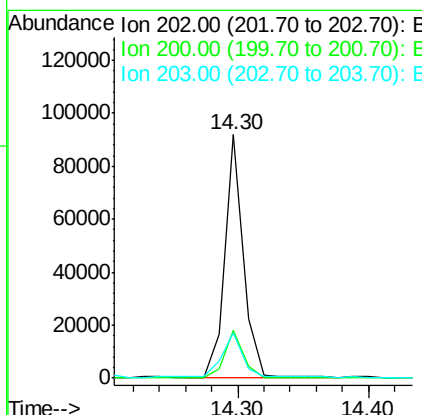
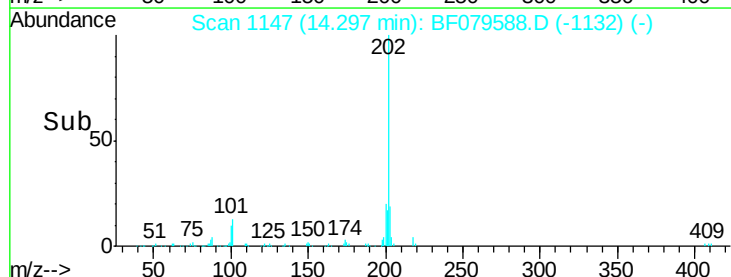
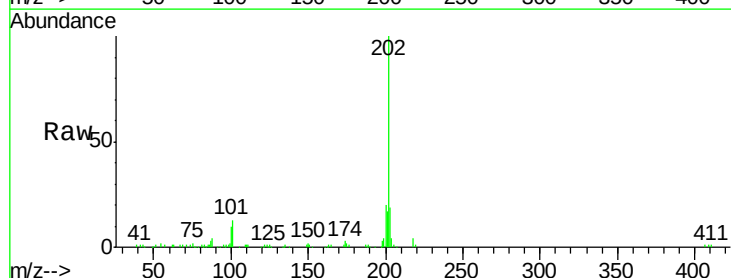
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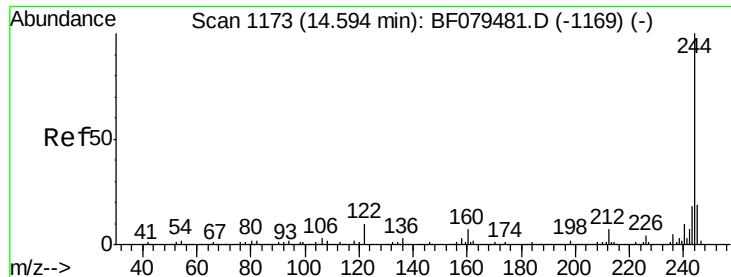
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#77  
 Pyrene  
 Concen: 4.67 ng  
 RT: 14.30 min Scan# 1147  
 Delta R.T. -0.02 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 202  | Resp: | 92695 |
| Ion Ratio |      | Lower | Upper |
| 202       | 100  |       |       |
| 200       | 19.7 | 17.5  | 26.3  |
| 203       | 18.6 | 14.4  | 21.6  |





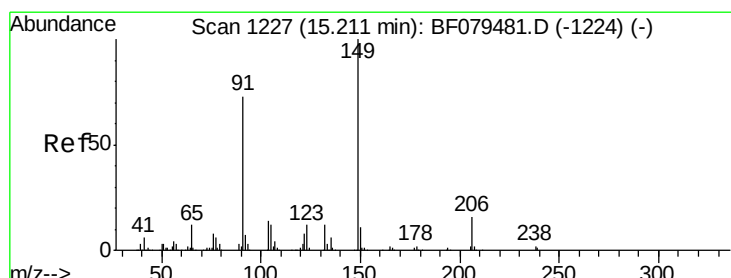
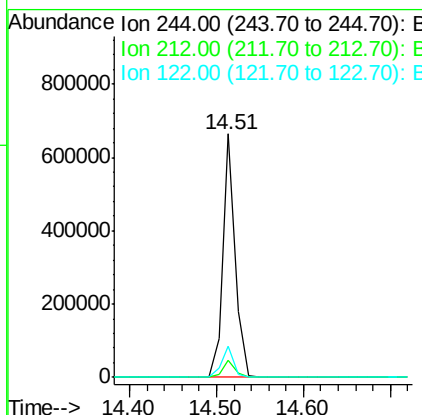
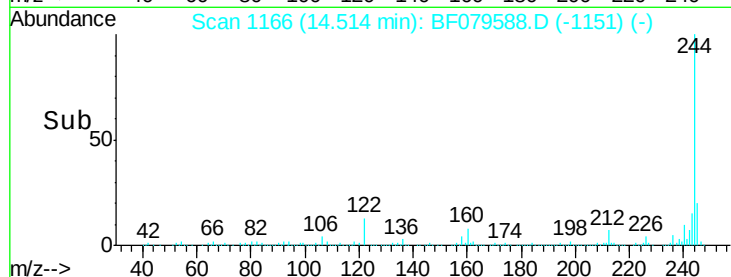
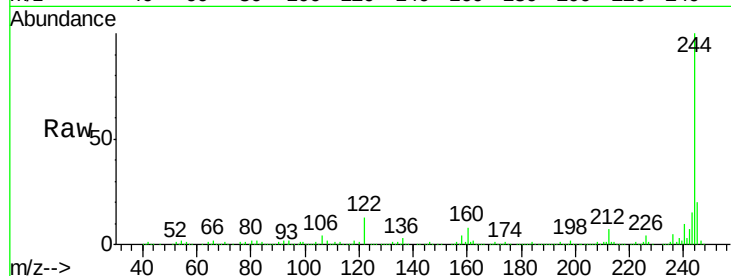
#78  
 Terphenyl-d14  
 Concen: 48.23 ng  
 RT: 14.51 min Scan# 1166  
 Delta R.T. -0.02 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-016-A

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.0   | 5.2        | 7.8   |
| 122     | 12.8  | 8.0        | 12.0  |

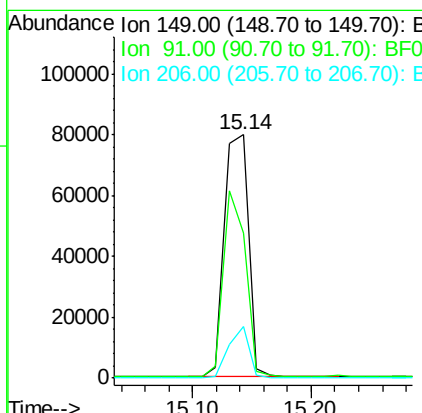
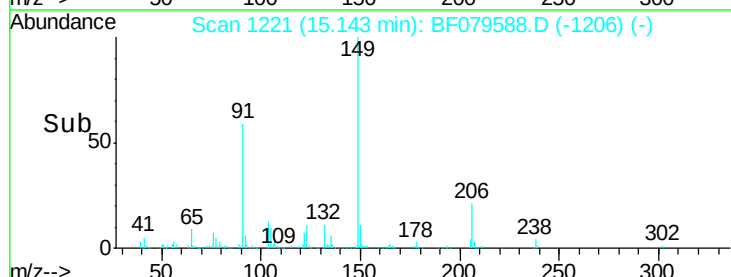
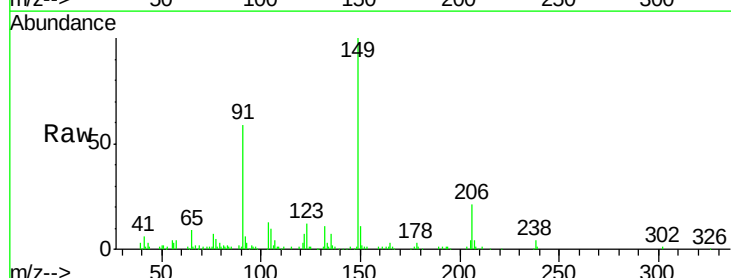
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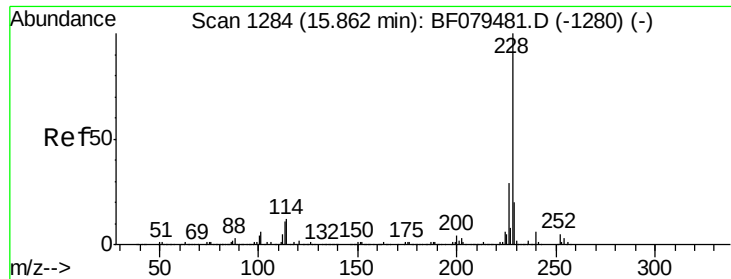
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#79  
 Butylbenzylphthalate  
 Concen: 12.56 ng  
 RT: 15.14 min Scan# 1221  
 Delta R.T. -0.02 min  
 Lab File: BF079588.D  
 Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 59.5  | 58.1       | 87.1  |
| 206     | 21.3  | 13.1       | 19.7  |





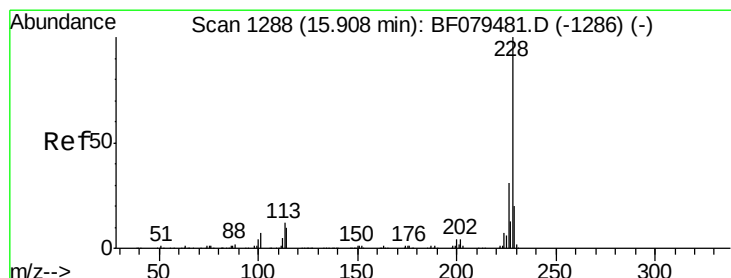
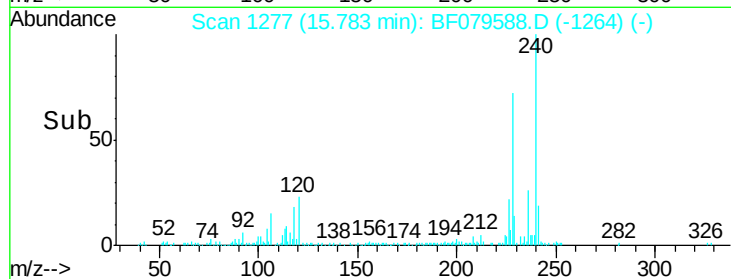
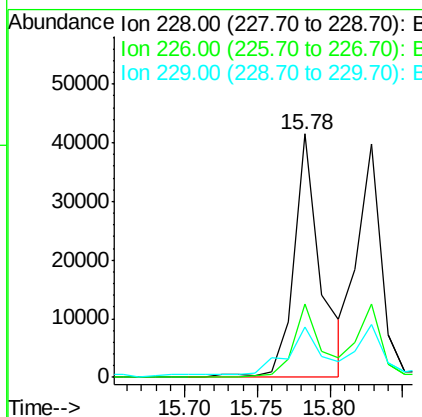
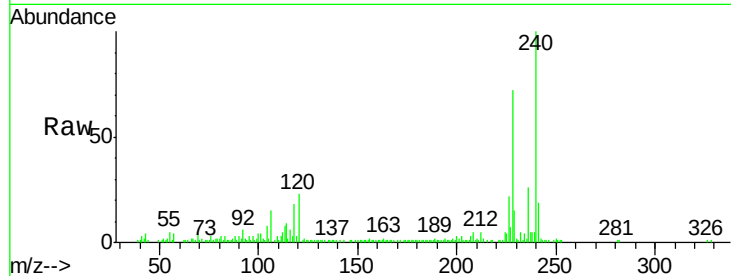
#80  
Benzo(a)anthracene  
Concen: 2.86 ng  
RT: 15.78 min Scan# 1277  
Delta R.T. -0.05 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-016-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 22.8  | 34.2  |
| 229     | 20.7  | 15.9  | 23.9  |

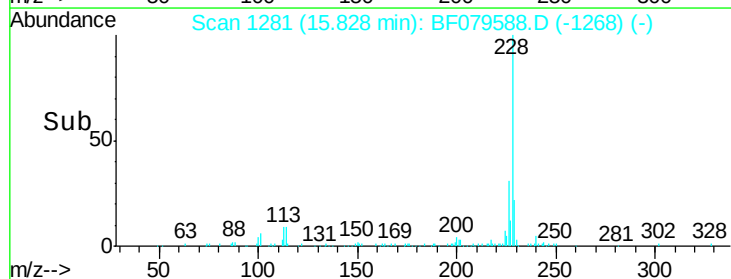
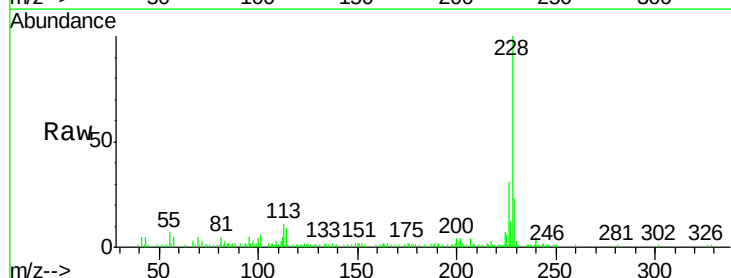
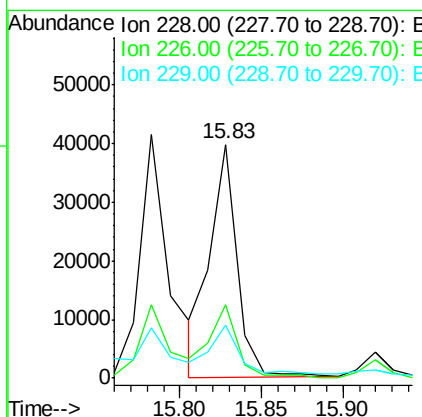
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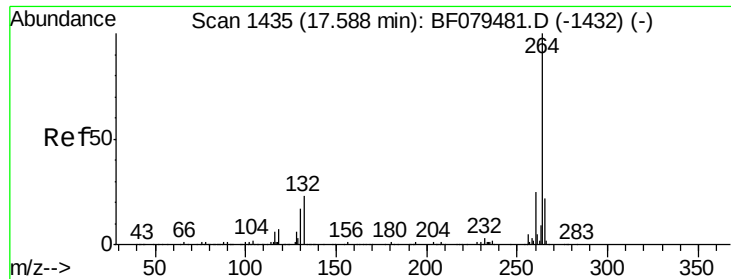
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#82  
Chrysene  
Concen: 2.63 ng  
RT: 15.83 min Scan# 1281  
Delta R.T. -0.05 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.4  | 25.0  | 37.4  |
| 229     | 22.6  | 15.9  | 23.9  |





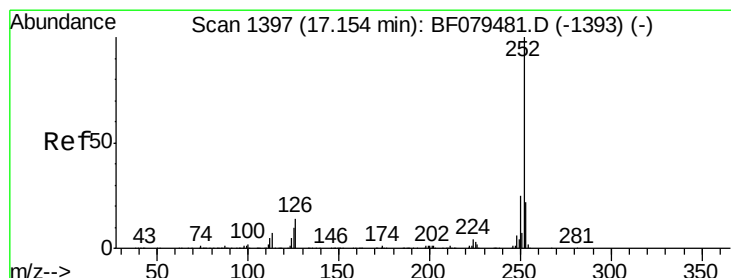
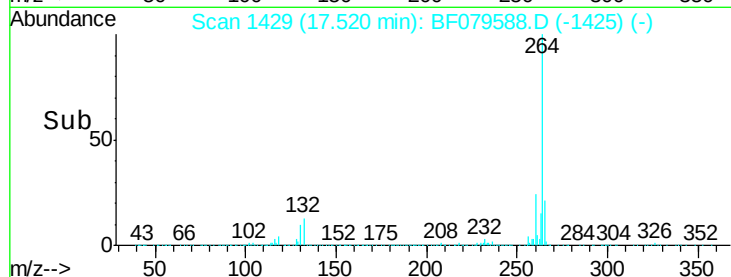
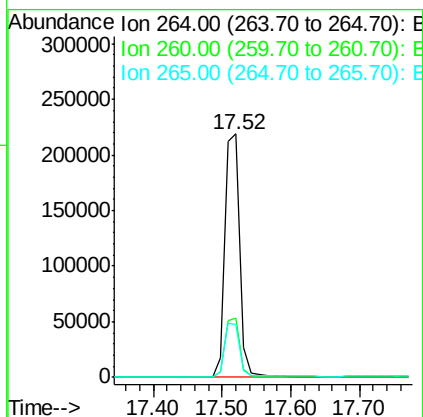
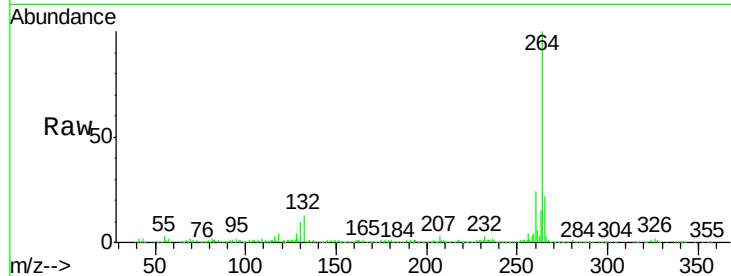
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.52 min Scan# 1429  
Delta R.T. -0.15 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-016-A

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 24.2  | 19.8       | 29.8  |
| 265     | 21.5  | 17.8       | 26.6  |

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#87  
Benzo(b)fluoranthene  
Concen: 3.76 ng m  
RT: 17.07 min Scan# 1390  
Delta R.T. -0.13 min  
Lab File: BF079588.D  
Acq: 30 May 2015 6:37

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 25.4  | 17.6       | 26.4  |
| 125     | 12.8  | 7.8        | 11.6# |

