

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
 Data File : BF079393.D  
 Acq On : 20 May 2015 22:20  
 Operator : TP/IZ  
 Sample : G2299-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB04A(2.5-3.0)

Manual Integrations  
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apatel  
 5/21/2015 4:29:13 PM

Quant Time: May 21 13:10:06 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 05:08:22 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.08  | 152  | 73785m   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.66  | 136  | 298289   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 10.83 | 164  | 151679   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10        | 12.67 | 188  | 290288   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 15.97 | 240  | 297902   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12            | 17.73 | 264  | 307711   | 20.00 | ng    | -0.09    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 217131m  | 50.66 | ng    | -0.05    |
| 7) Phenol-d6                | 6.67  | 99   | 279688m  | 49.36 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.78  | 82   | 146596   | 28.25 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 11.82 | 330  | 82475    | 50.26 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 10.01 | 172  | 329800   | 30.29 | ng    | -0.05    |
| 78) Terphenyl-d14           | 14.67 | 244  | 399310   | 32.09 | ng    | -0.05    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 8.70  | 128  | 30466    | 2.14  | ng    | 99       |
| 48) Acenaphthylene          | 10.66 | 152  | 53292    | 3.45  | ng    | 99       |
| 51) Acenaphthene            | 10.88 | 154  | 23256    | 2.53  | ng    | 96       |
| 54) Dibenzofuran            | 11.10 | 168  | 27526    | 2.07  | ng    | 93       |
| 57) Fluorene                | 11.52 | 166  | 29108    | 2.67  | ng    | 95       |
| 70) Phenanthrene            | 12.71 | 178  | 477060   | 29.38 | ng    | 100      |
| 71) Anthracene              | 12.77 | 178  | 152319   | 9.56  | ng    | 99       |
| 72) Carbazole               | 12.97 | 167  | 45989    | 3.03  | ng    | # 93     |
| 74) Fluoranthene            | 14.18 | 202  | 676703   | 39.99 | ng    | 94       |
| 77) Pyrene                  | 14.46 | 202  | 617167   | 35.95 | ng    | 98       |
| 80) Benzo(a)anthracene      | 15.95 | 228  | 347016m  | 21.27 | ng    |          |
| 82) Chrysene                | 16.00 | 228  | 337896m  | 21.54 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 19.09 | 276  | 270324   | 13.52 | ng    | 94       |
| 87) Benzo(b)fluoranthene    | 17.27 | 252  | 503521m  | 29.90 | ng    |          |
| 88) Benzo(k)fluoranthene    | 17.30 | 252  | 147021m  | 9.02  | ng    |          |
| 89) Benzo(a)pyrene          | 17.66 | 252  | 371761   | 23.97 | ng    | # 95     |
| 90) Dibenzo(a,h)anthracene  | 19.11 | 278  | 66044m   | 4.01  | ng    |          |
| 91) Benzo(g,h,i)perylene    | 19.49 | 276  | 267596   | 16.20 | ng    | # 90     |

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

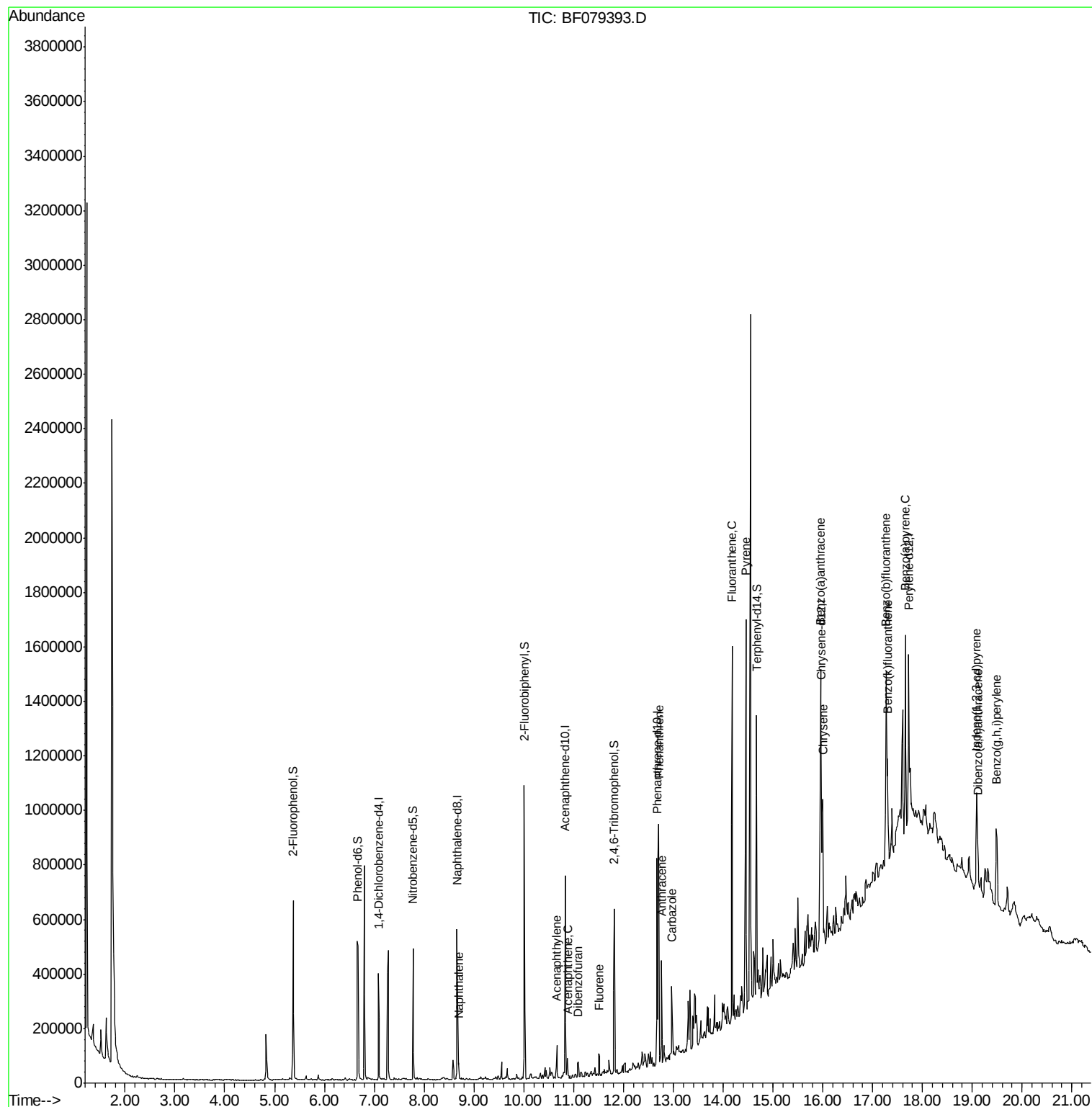
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079393.D  
Acq On : 20 May 2015 22:20  
Operator : TP/IZ  
Sample : G2299-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

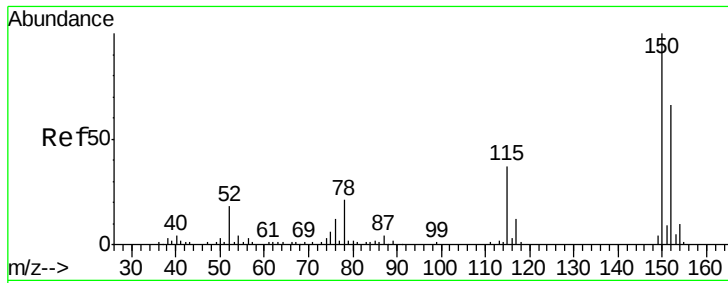
Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB04A(2.5-3.0)

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5/21/2015 4:29:13 PM

Quant Time: May 21 13:10:06 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 20 05:08:22 2015  
Response via : Initial Calibration





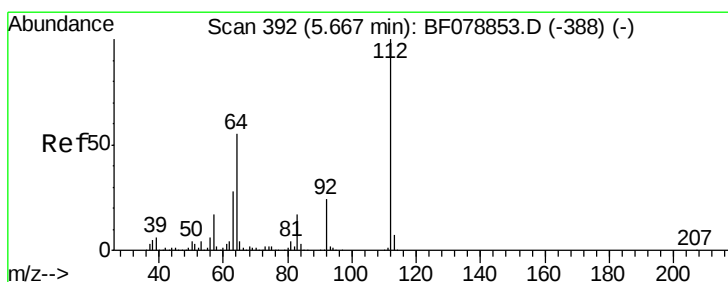
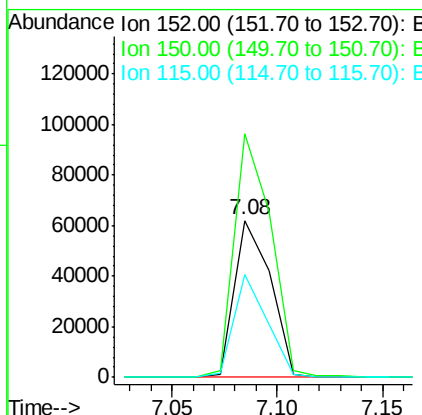
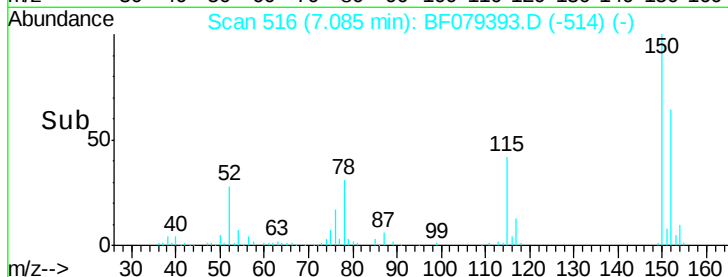
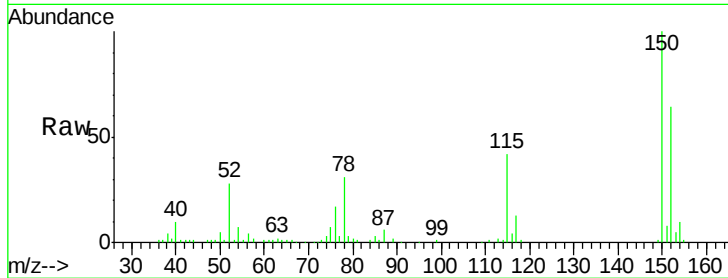
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng m  
 RT: 7.08 min Scan# 516  
 Delta R.T. -0.05 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB04A(2.5-3.0)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 73785 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 155.4 | 123.8 | 185.8 |
| 115       | 65.7  | 49.4  | 74.0  |

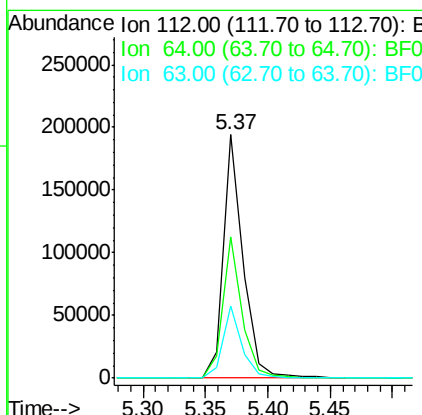
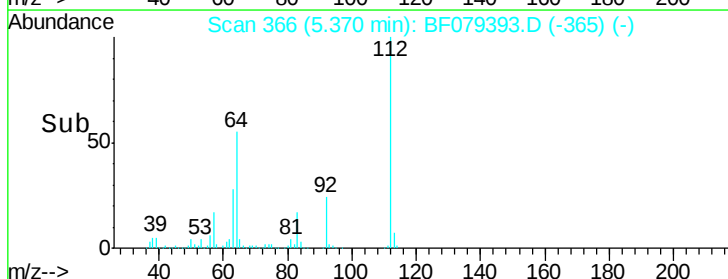
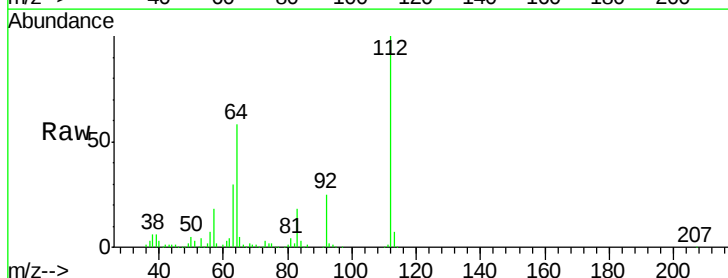
Manual Integrations  
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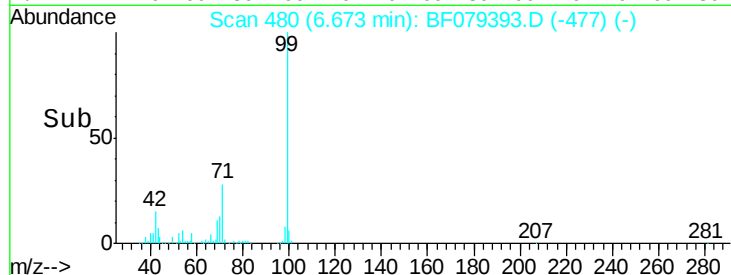
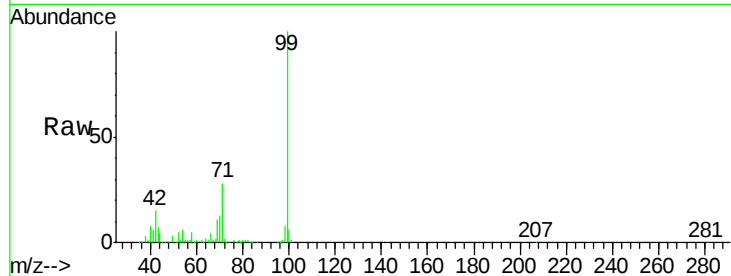
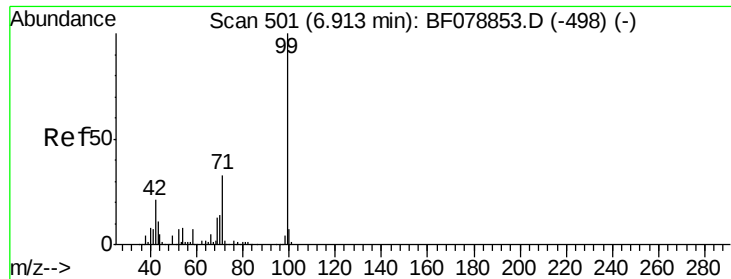
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#5  
 2-Fluorophenol  
 Concen: 50.66 ng m  
 RT: 5.37 min Scan# 366  
 Delta R.T. -0.05 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 217131 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 58.2  | 44.2  | 66.2   |
| 63        | 29.8  | 22.7  | 34.1   |





#7

Phenol-d6

Concen: 49.36 ng/ml

RT: 6.67 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 279688 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.3  | 17.1  | 25.7#  |
| 71        | 27.5  | 26.3  | 39.5   |

Instrument :

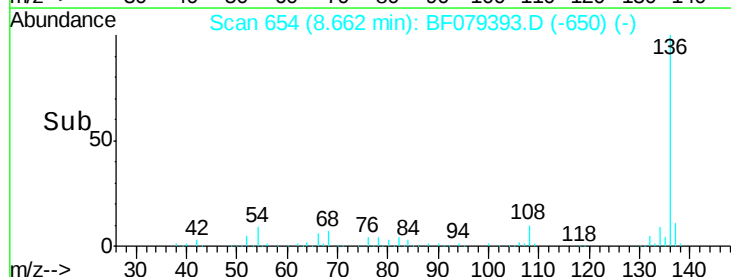
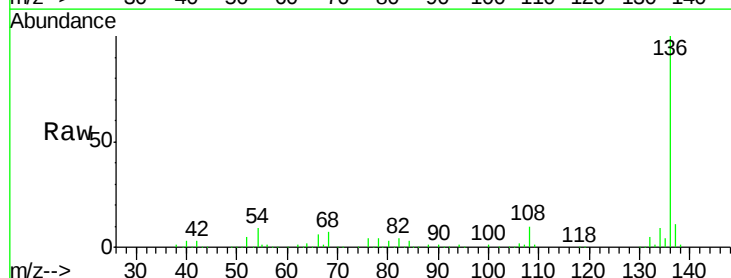
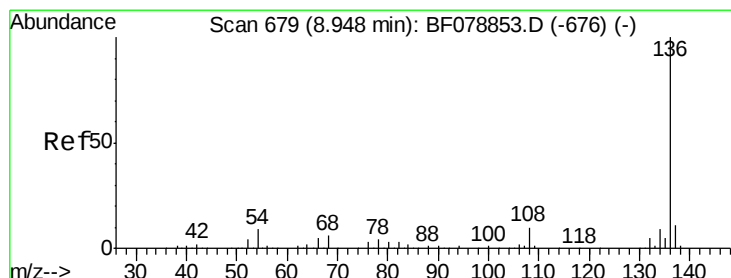
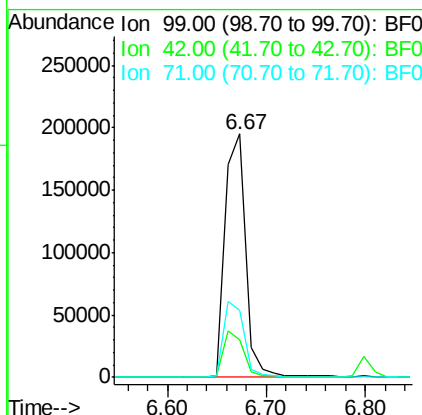
BNA\_F

ClientSampleId :

LS-SB04A(2.5-3.0)

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#21

Naphthalene-d8

Concen: 20.00 ng

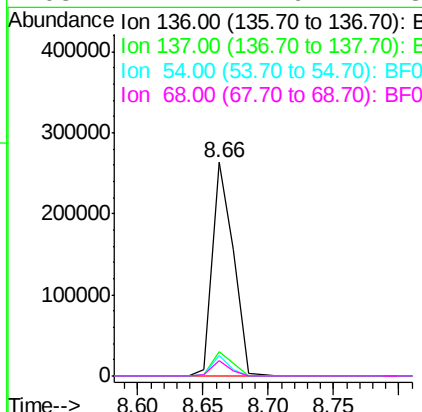
RT: 8.66 min Scan# 654

Delta R.T. -0.05 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 298289 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.4  | 8.8   | 13.2   |
| 54        | 9.4   | 6.9   | 10.3   |
| 68        | 7.1   | 4.9   | 7.3    |





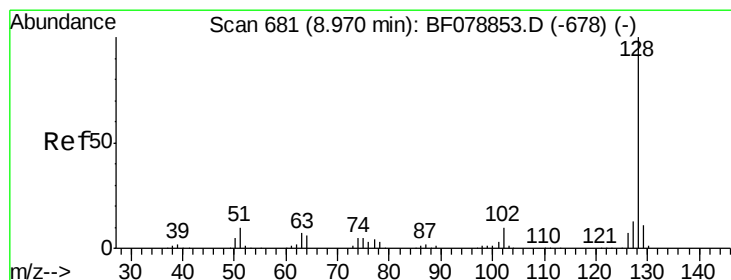
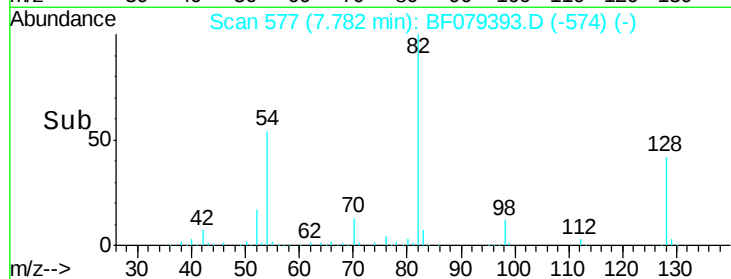
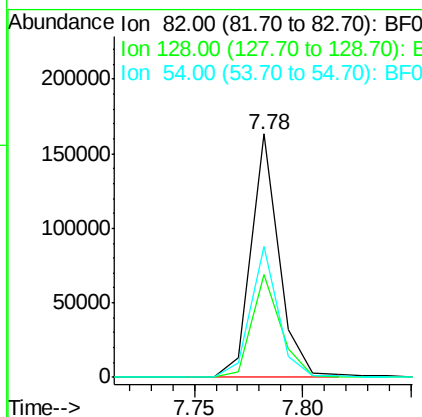
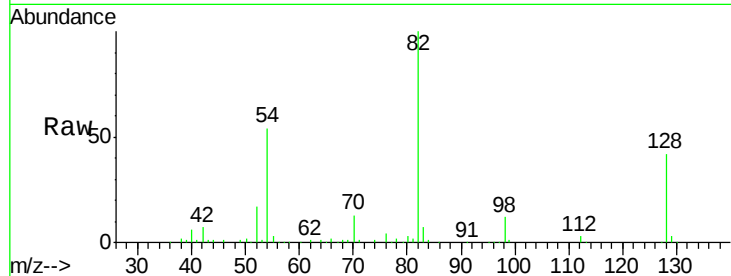
#23  
 Nitrobenzene-d5  
 Concen: 28.25 ng  
 RT: 7.78 min Scan# 577  
 Delta R.T. -0.05 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

Instrument :  
 BNA\_F  
 ClientSampled :  
 LS-SB04A(2.5-3.0)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 146596 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.0  | 29.7  | 44.5   |
| 54        | 53.7  | 46.2  | 69.4   |

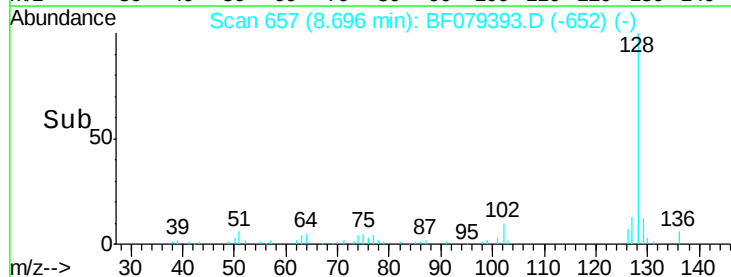
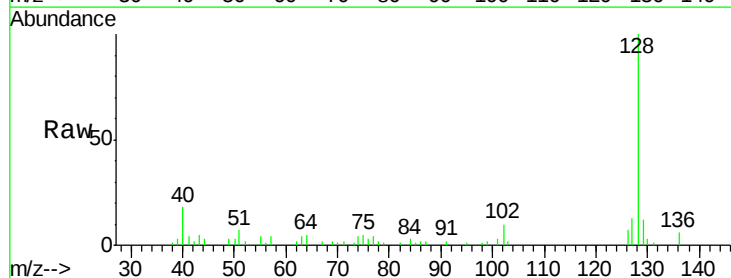
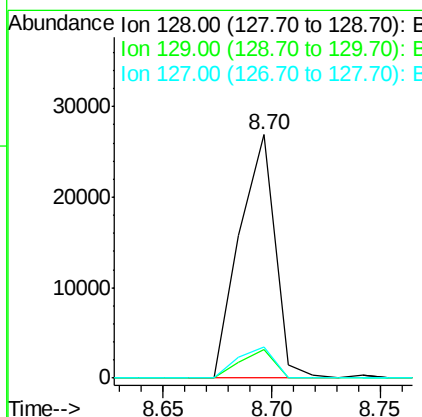
Manual Integrations  
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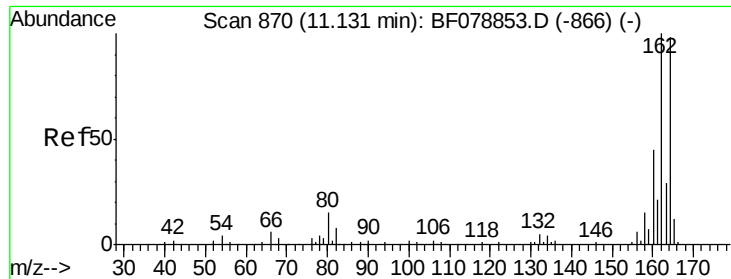
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#31  
 Naphthalene  
 Concen: 2.14 ng  
 RT: 8.70 min Scan# 657  
 Delta R.T. -0.03 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 30466 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.0  | 9.2   | 13.8  |
| 127       | 13.0  | 10.3  | 15.5  |





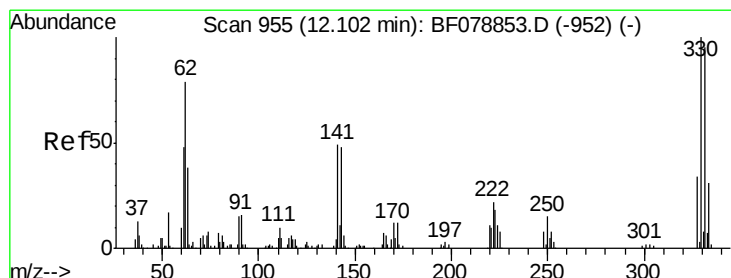
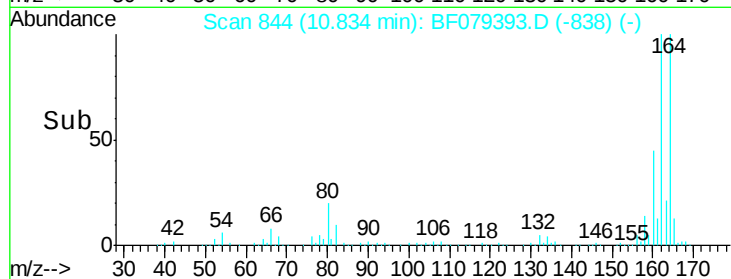
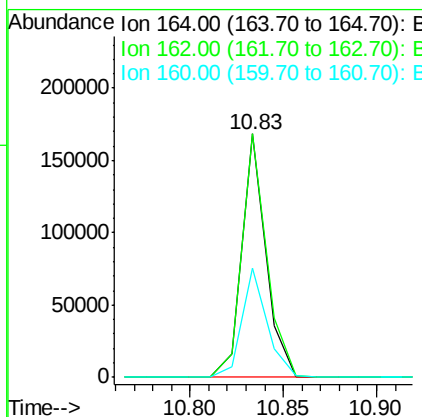
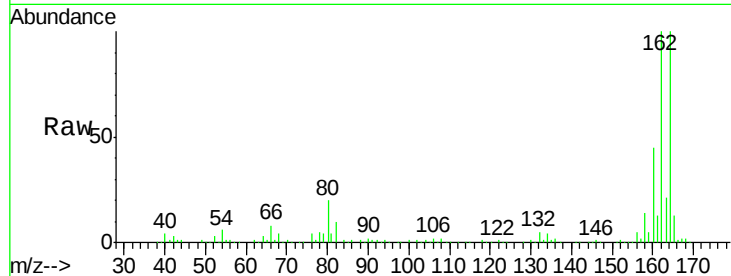
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.83 min Scan# 844  
Delta R.T. -0.05 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB04A(2.5-3.0)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 99.8  | 81.4 | 122.0 |       |
| 160     | 45.0  | 36.6 | 54.8  |       |

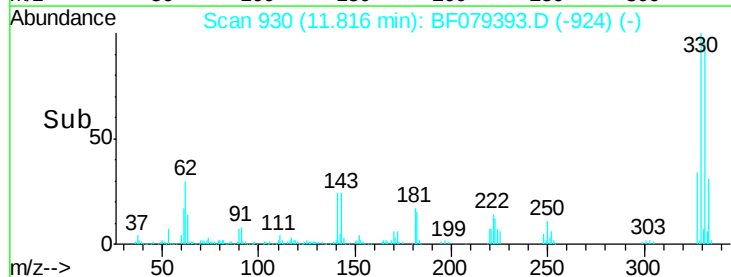
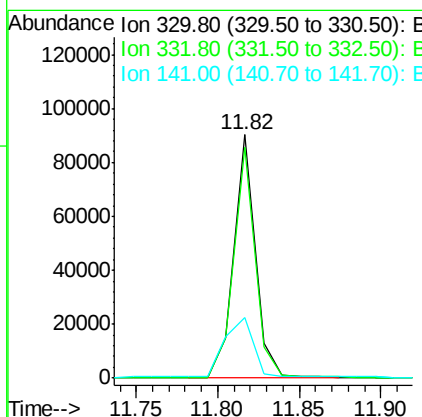
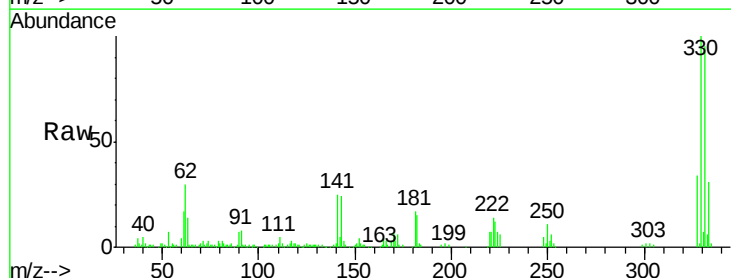
Manual Integrations  
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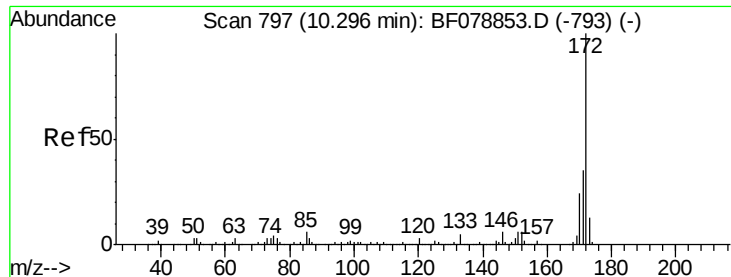
apatel  
5/21/2015 4:29:13 PM



#41  
2,4,6-Tribromophenol  
Concen: 50.26 ng  
RT: 11.82 min Scan# 930  
Delta R.T. -0.05 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.4  | 76.9 | 115.3 |       |
| 141     | 33.9  | 27.8 | 41.8  |       |





#44

2-Fluorobiphenyl

Concen: 30.29 ng

RT: 10.01 min Scan# 772

Delta R.T. -0.05 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

Instrument :

BNA\_F

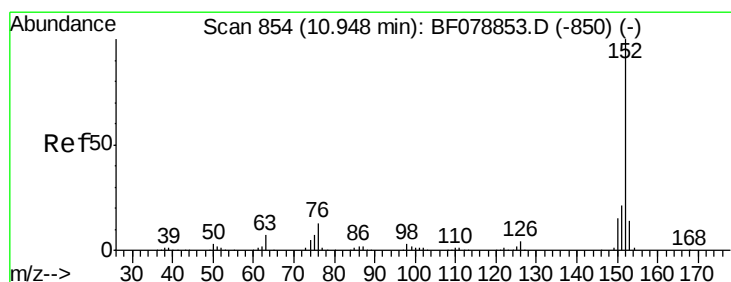
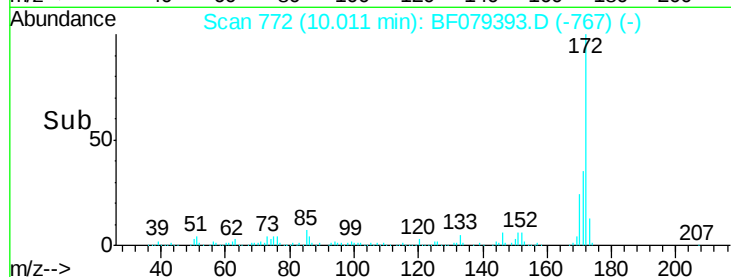
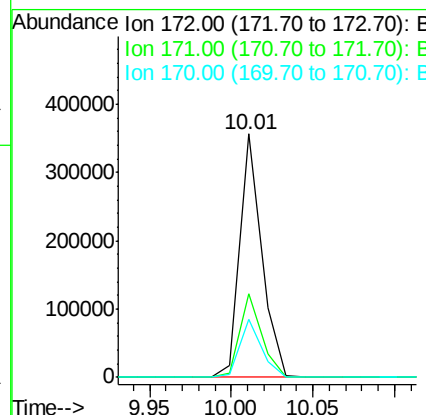
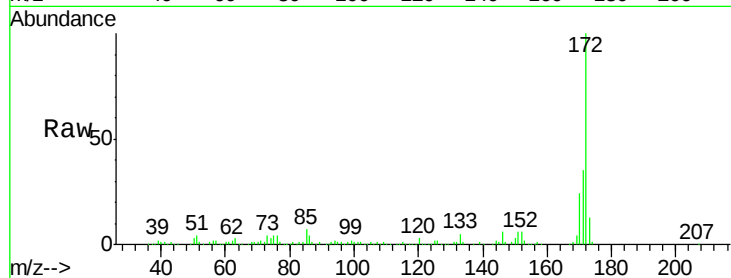
ClientSampleId :

LS-SB04A(2.5-3.0)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 172   | Resp: | 329800 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 34.5  | 28.3  | 42.5   |
| 170       | 23.8  | 19.4  | 29.2   |

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#48

Acenaphthylene

Concen: 3.45 ng

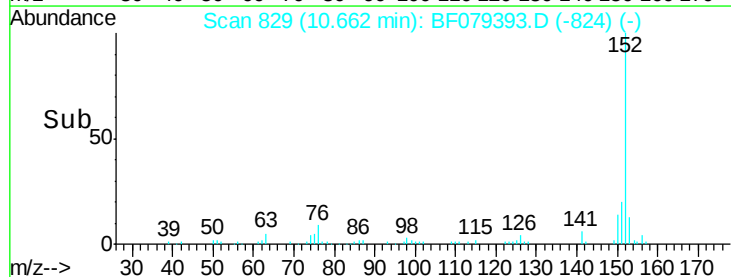
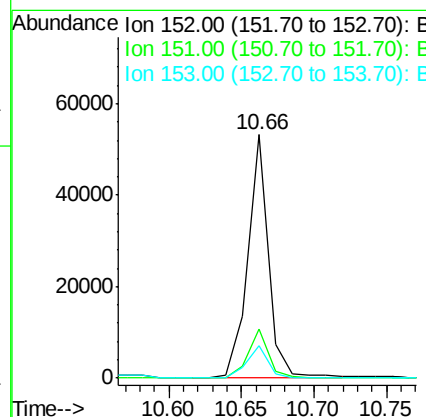
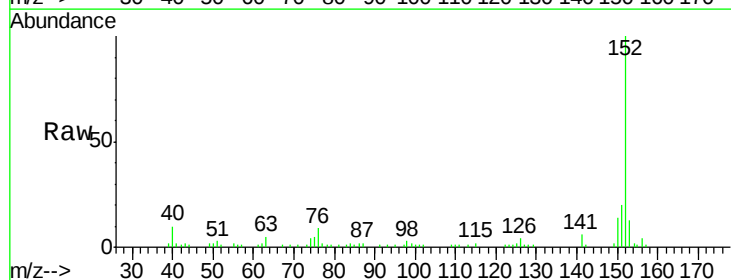
RT: 10.66 min Scan# 829

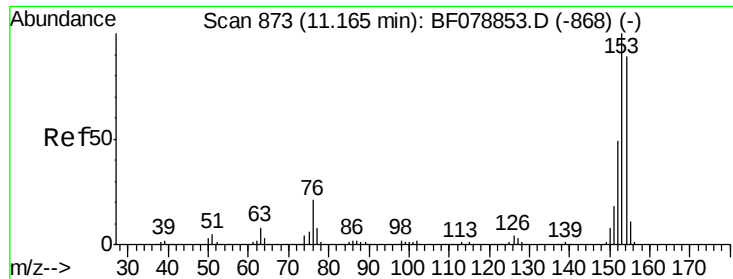
Delta R.T. -0.05 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 53292 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 20.4  | 16.6  | 24.8  |
| 153       | 13.4  | 11.0  | 16.6  |





#51

Acenaphthene

Concen: 2.53 ng

RT: 10.88 min Scan# 848

Delta R.T. -0.03 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

Instrument :

BNA\_F

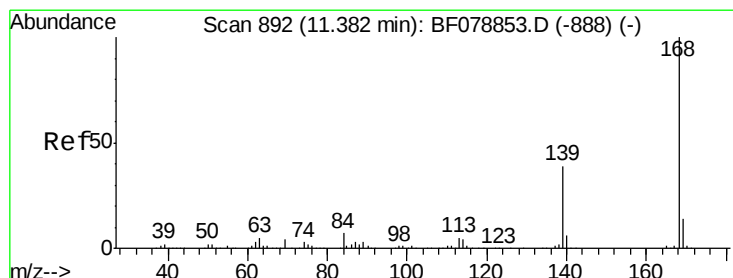
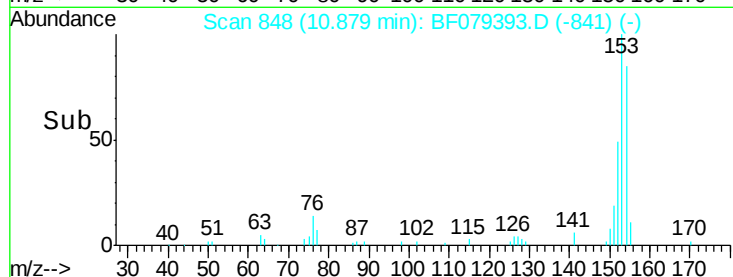
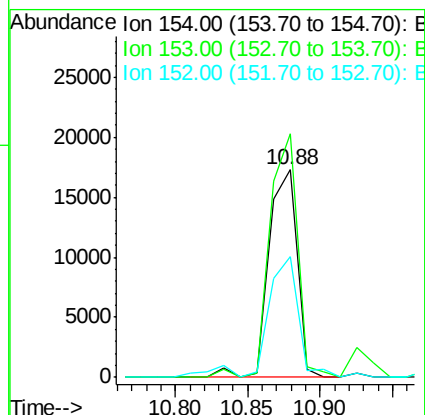
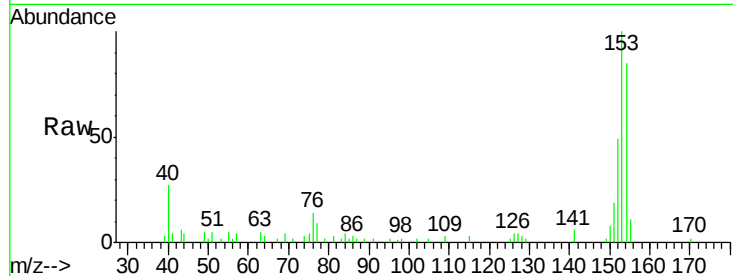
ClientSampleId :

LS-SB04A(2.5-3.0)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 23256 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 117.3 | 90.2  | 135.2 |
| 152       | 58.1  | 43.8  | 65.8  |

Manual Integrations  
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#54

Dibenzofuran

Concen: 2.07 ng

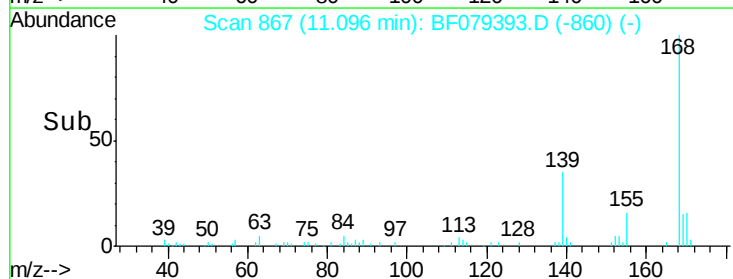
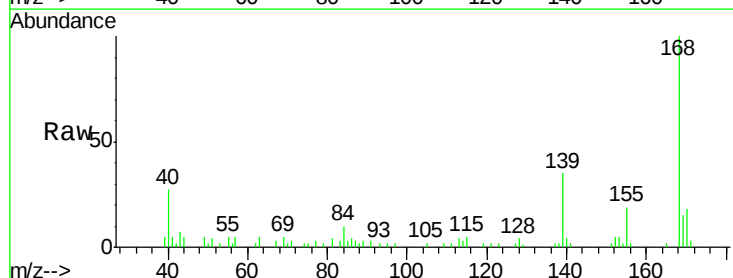
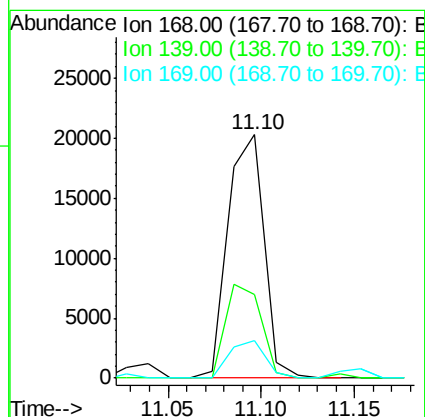
RT: 11.10 min Scan# 867

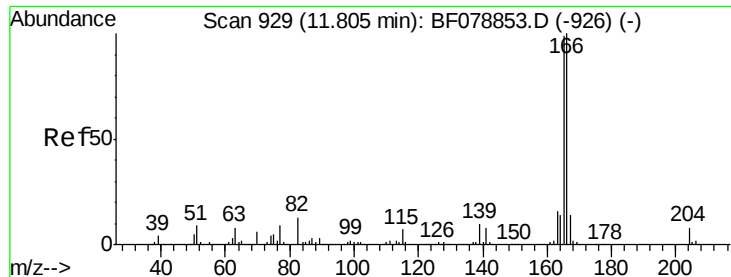
Delta R.T. -0.03 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 27526 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 34.6  | 31.5  | 47.3  |
| 169       | 15.3  | 11.0  | 16.4  |





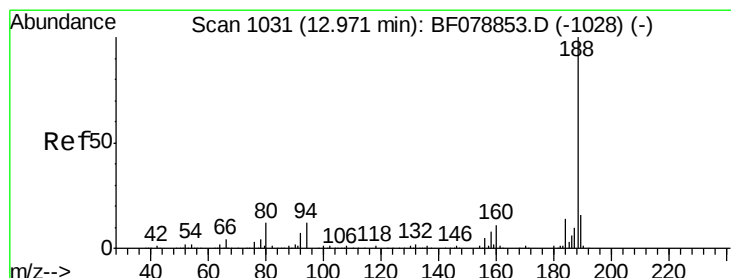
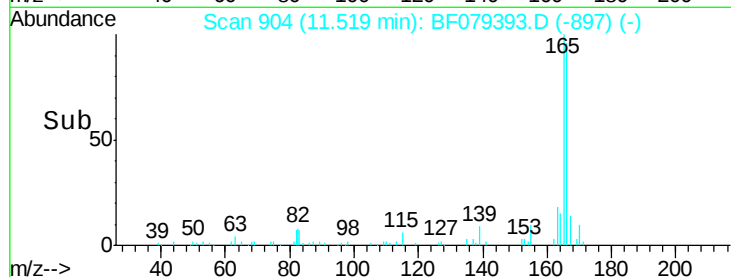
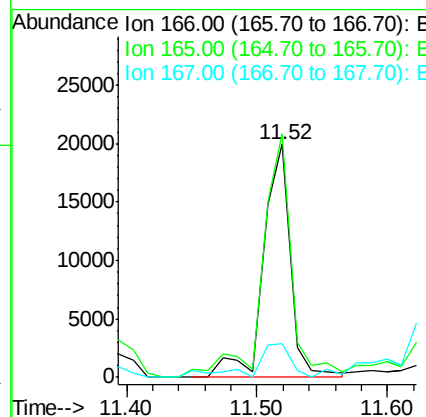
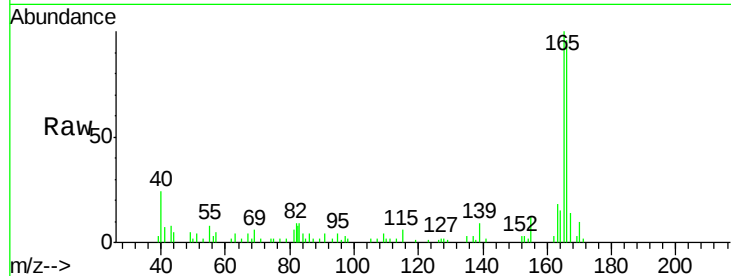
#57  
**Fluorene**  
 Concen: 2.67 ng  
 RT: 11.52 min Scan# 904  
 Delta R.T. -0.03 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB04A(2.5-3.0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 104.4 | 79.5  | 119.3 |
| 167     | 14.6  | 11.0  | 16.6  |

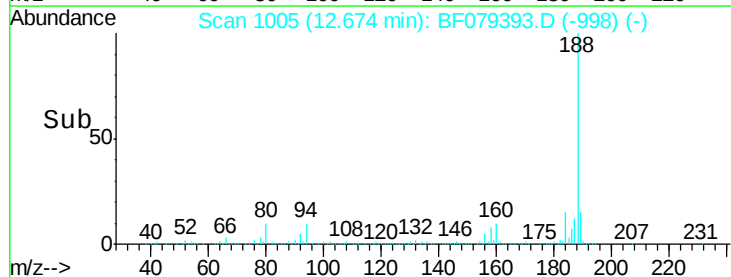
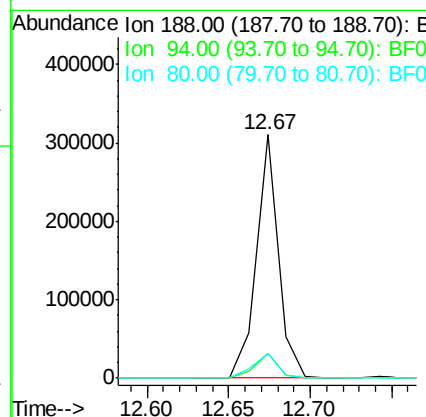
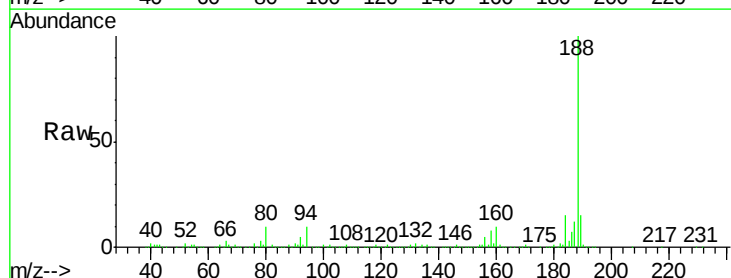
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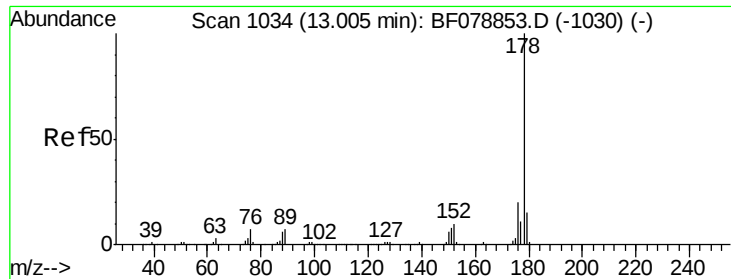
apatel  
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#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 12.67 min Scan# 1005  
 Delta R.T. -0.05 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.1  | 9.4   | 14.0  |
| 80      | 10.0  | 9.8   | 14.6  |





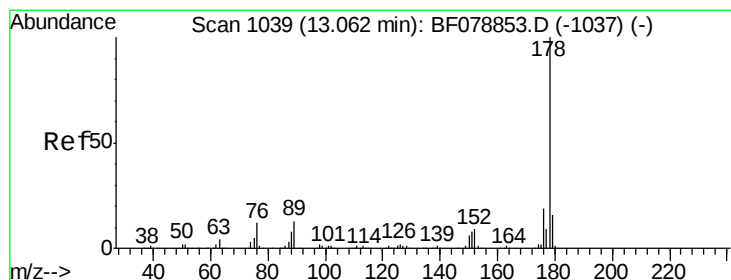
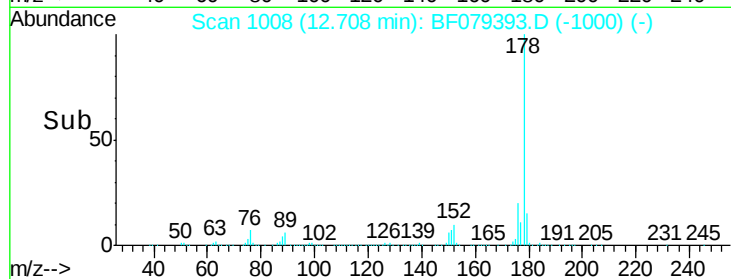
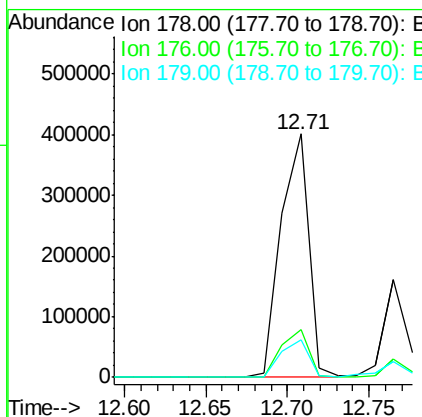
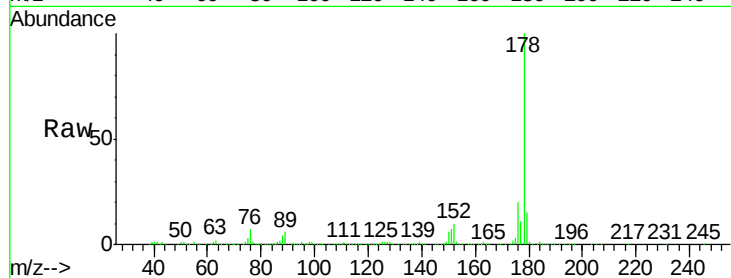
#70  
Phenanthrene  
Concen: 29.38 ng  
RT: 12.71 min Scan# 1008  
Delta R.T. -0.03 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB04A(2.5-3.0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.9  | 23.9  |
| 179     | 15.4  | 12.2  | 18.4  |

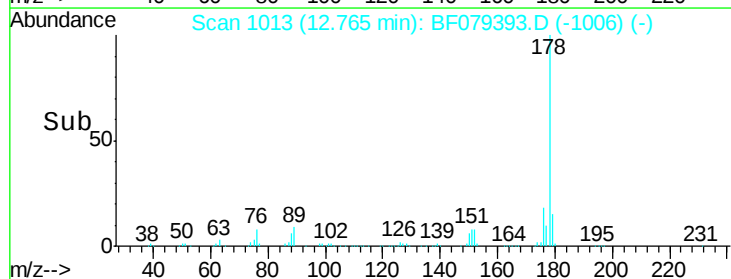
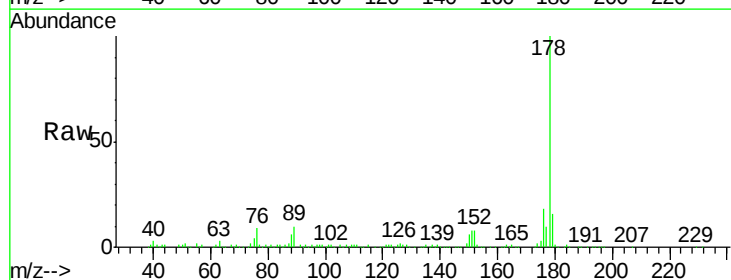
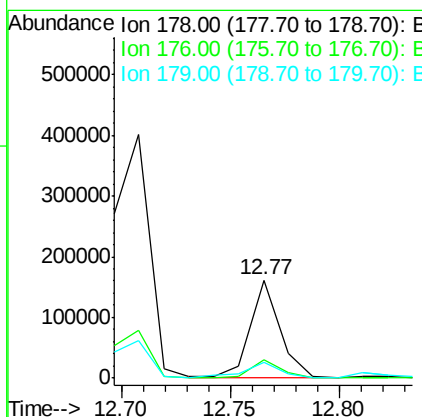
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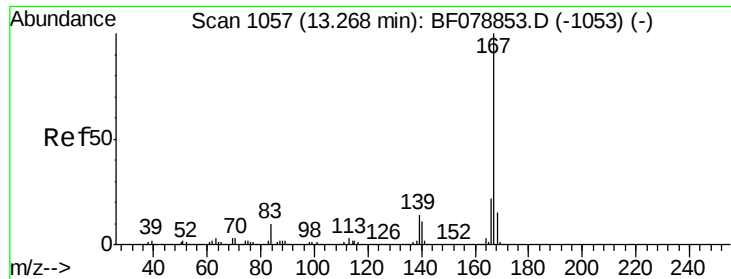
apatel  
5/21/2015 4:29:13 PM



#71  
Anthracene  
Concen: 9.56 ng  
RT: 12.77 min Scan# 1013  
Delta R.T. -0.05 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.3  | 22.9  |
| 179     | 15.6  | 12.6  | 19.0  |





#72

Carbazole

Concen: 3.03 ng

RT: 12.97 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

Instrument :

BNA\_F

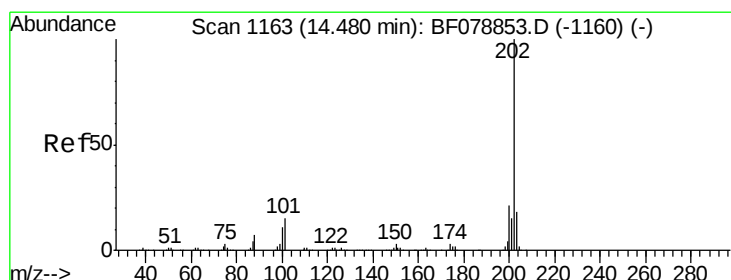
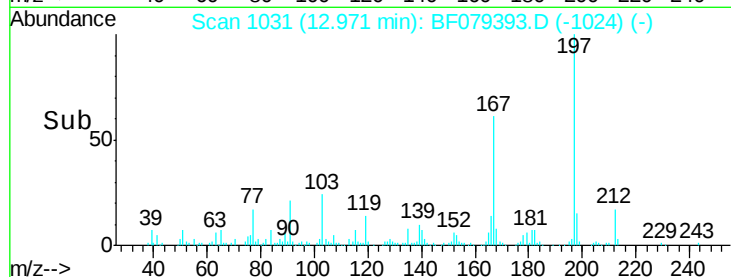
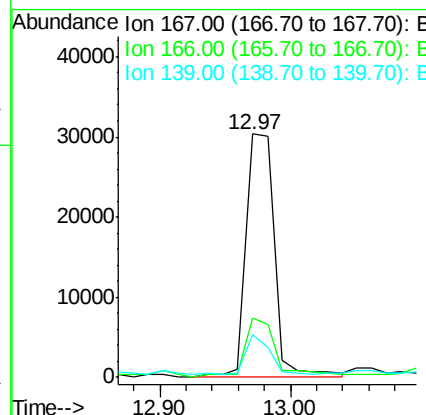
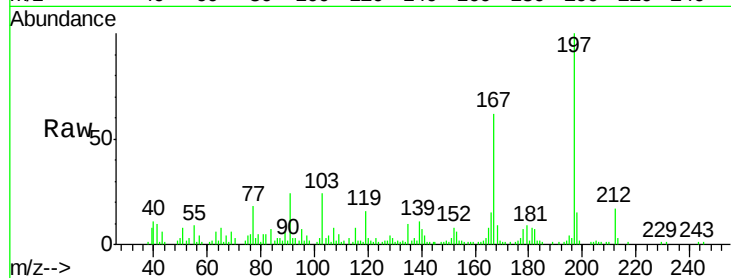
ClientSampleId :

LS-SB04A(2.5-3.0)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 167   | Resp: | 45989 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 24.4  | 17.5  | 26.3  |
| 139       | 17.3  | 11.0  | 16.4  |

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#74

Fluoranthene

Concen: 39.99 ng

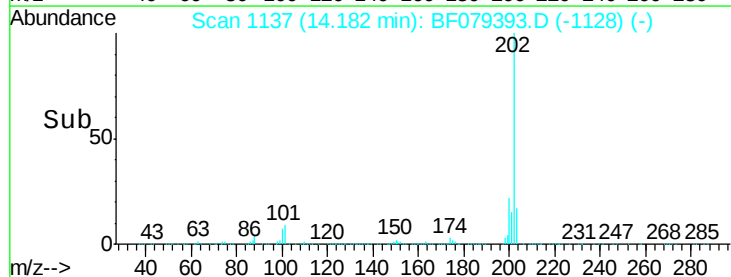
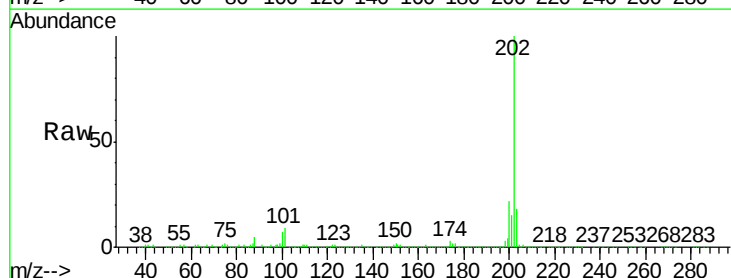
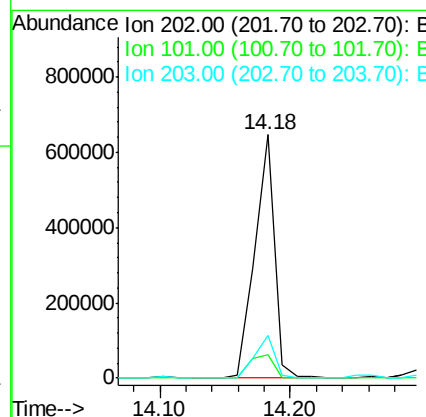
RT: 14.18 min Scan# 1137

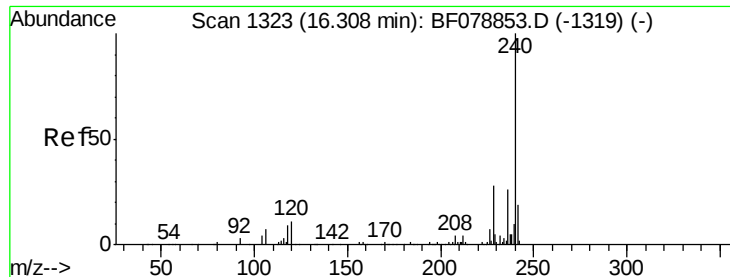
Delta R.T. -0.05 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 676703 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.5   | 0.0   | 34.7   |
| 203       | 17.6  | 0.0   | 37.9   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.06 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

Instrument :

BNA\_F

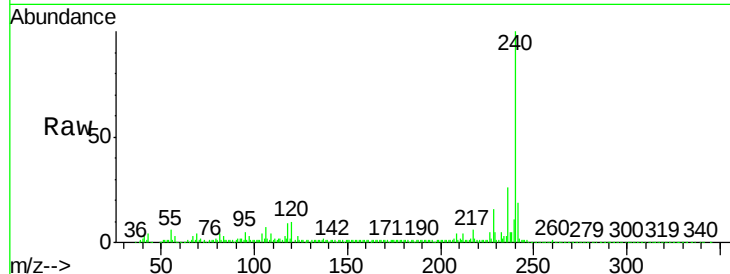
ClientSampleId :

LS-SB04A(2.5-3.0)

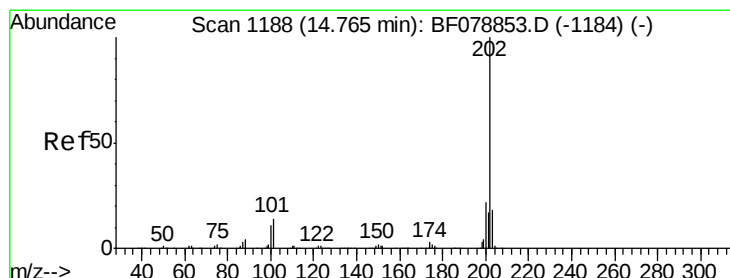
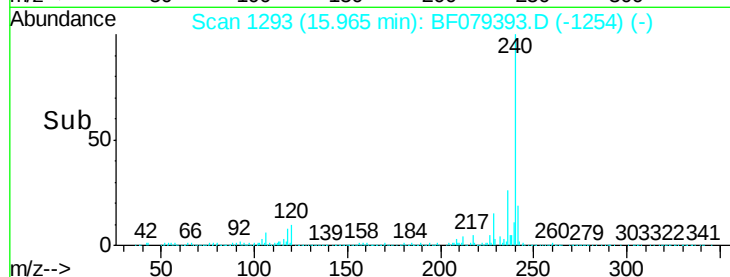
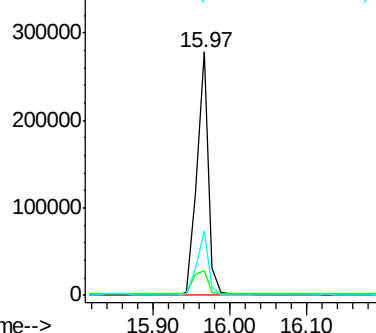
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 297902 |       |       |
| 120     | 10.3  | 8.6    | 12.8  |       |
| 236     | 26.5  | 21.0   | 31.6  |       |

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Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 35.95 ng

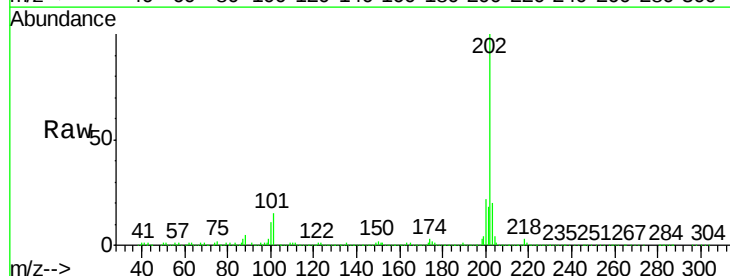
RT: 14.46 min Scan# 1161

Delta R.T. -0.05 min

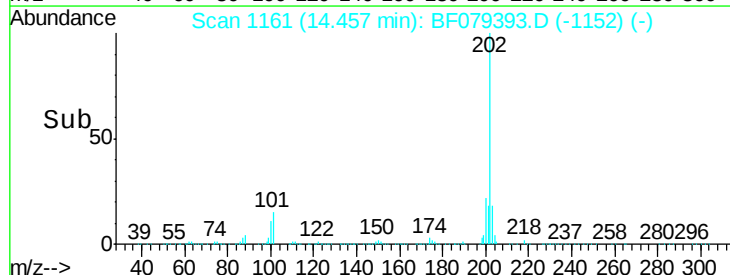
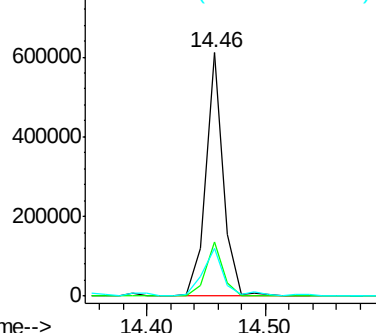
Lab File: BF079393.D

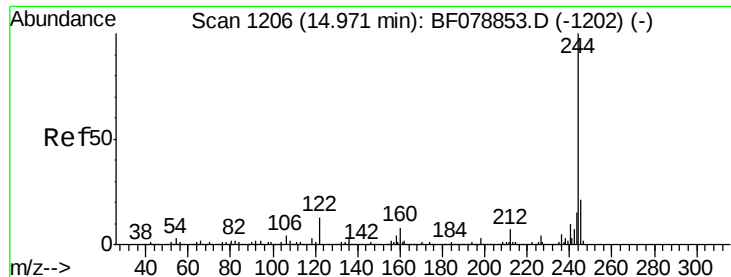
Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 617167 |       |       |
| 200     | 22.1  | 17.5   | 26.3  |       |
| 203     | 19.7  | 14.7   | 22.1  |       |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





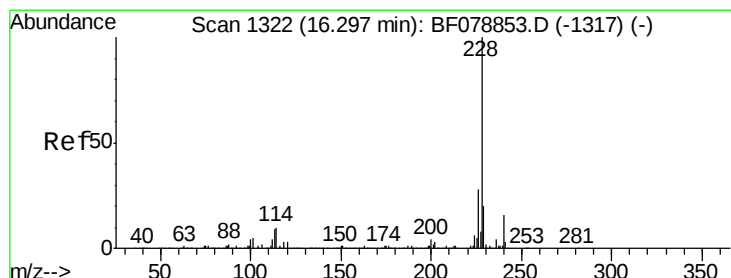
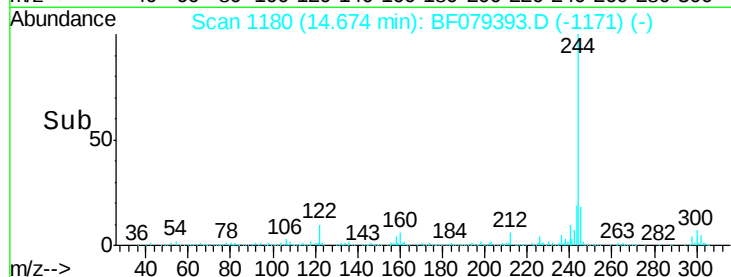
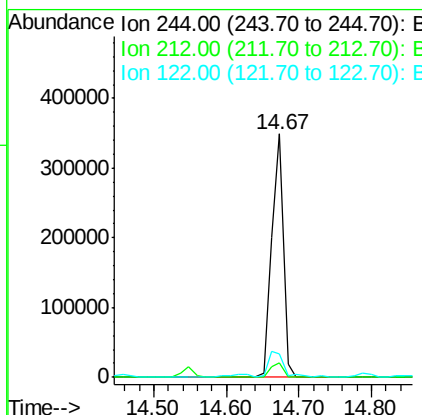
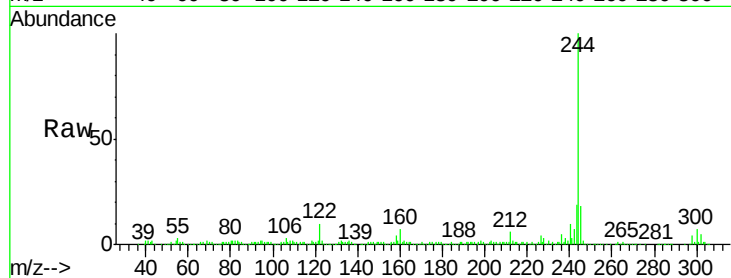
#78  
 Terphenyl-d14  
 Concen: 32.09 ng  
 RT: 14.67 min Scan# 1180  
 Delta R.T. -0.05 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB04A(2.5-3.0)

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.1   | 5.6        | 8.4   |
| 122     | 9.9   | 10.5       | 15.7  |

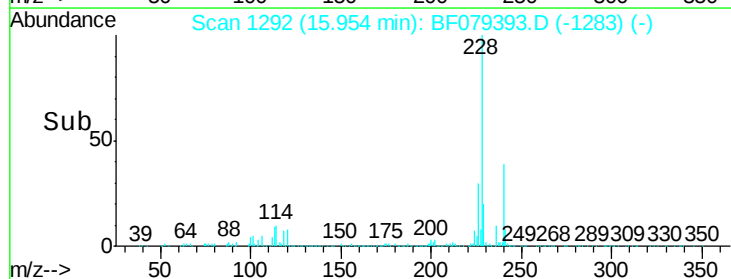
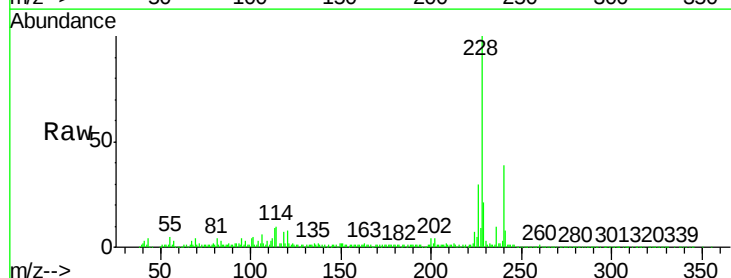
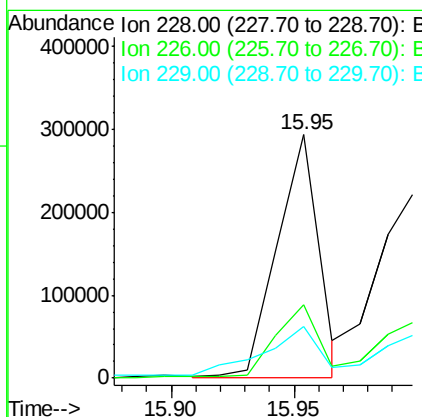
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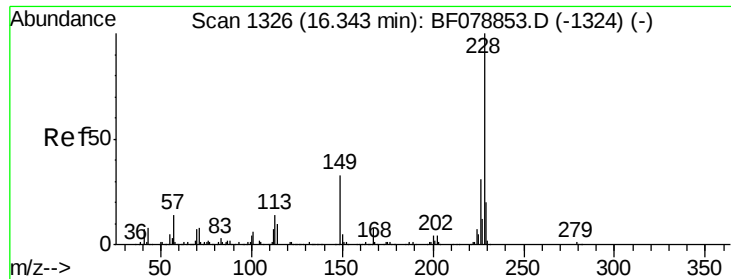
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#80  
 Benzo(a)anthracene  
 Concen: 21.27 ng m  
 RT: 15.95 min Scan# 1292  
 Delta R.T. -0.06 min  
 Lab File: BF079393.D  
 Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 30.2  | 22.3       | 33.5  |
| 229     | 21.1  | 16.1       | 24.1  |





#82

Chrysene

Concen: 21.54 ng/mL

RT: 16.00 min Scan# 1296

Delta R.T. -0.06 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

Instrument :

BNA\_F

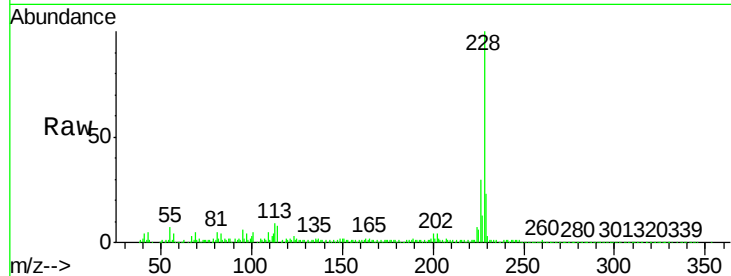
ClientSampleId :

LS-SB04A(2.5-3.0)

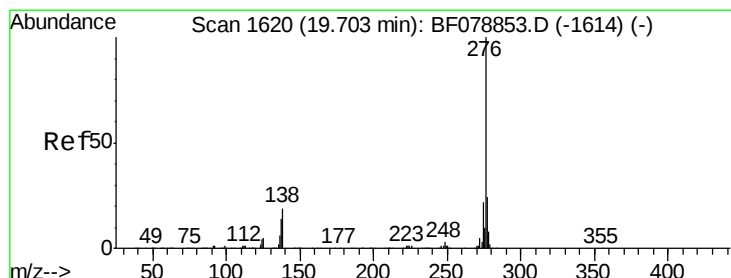
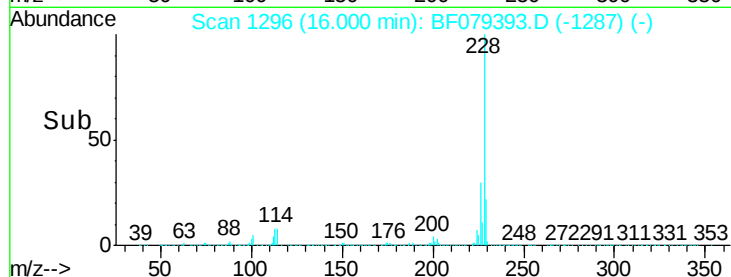
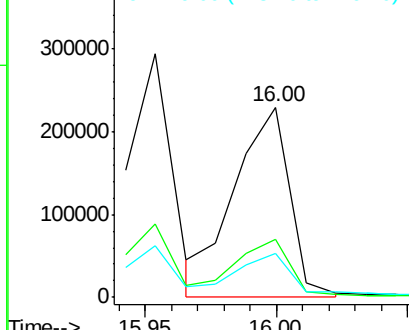
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 337896 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.2  | 24.8  | 37.2   |
| 229       | 23.0  | 16.1  | 24.1   |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.52 ng/mL

RT: 19.09 min Scan# 1566

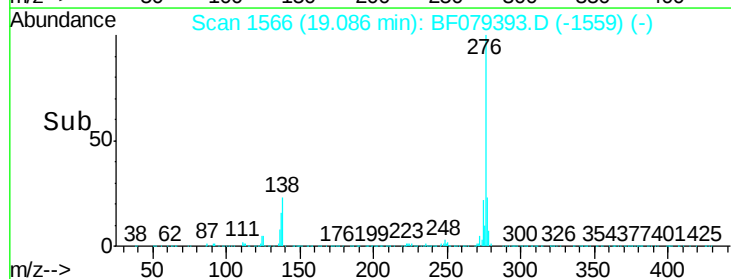
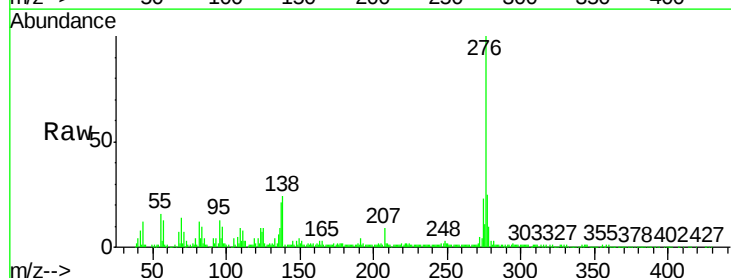
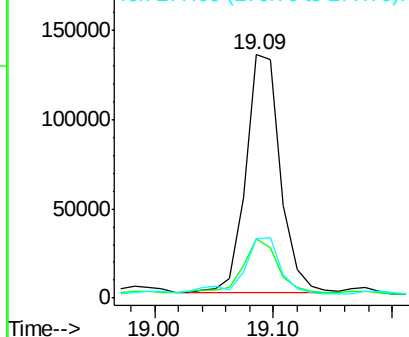
Delta R.T. -0.13 min

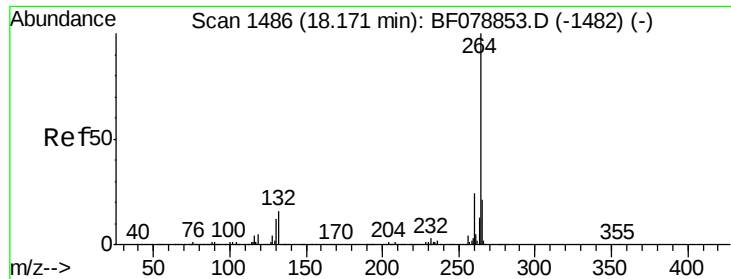
Lab File: BF079393.D

Acq: 20 May 2015 22:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 270324 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.8  | 21.1  | 31.7   |
| 277       | 27.2  | 19.9  | 29.9   |

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





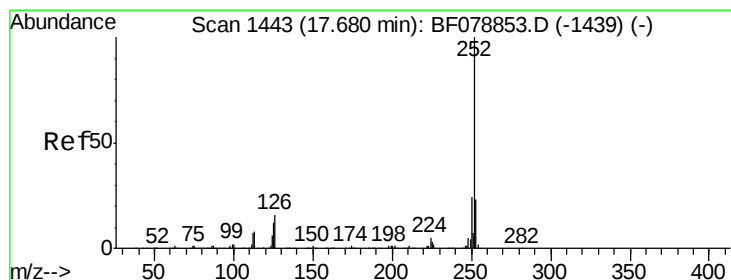
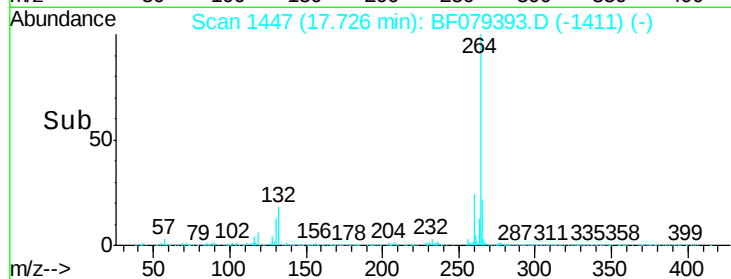
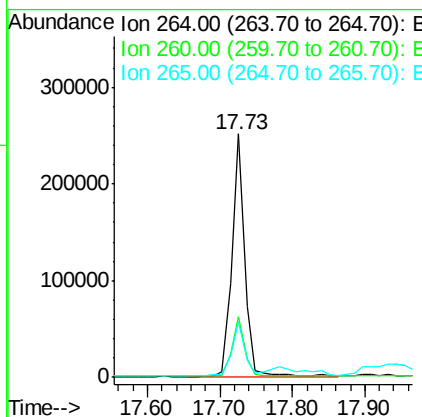
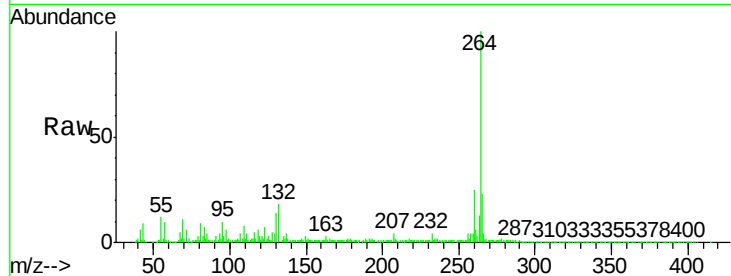
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.73 min Scan# 1447  
Delta R.T. -0.09 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB04A(2.5-3.0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.2  | 28.8  |
| 265     | 22.8  | 17.2  | 25.8  |

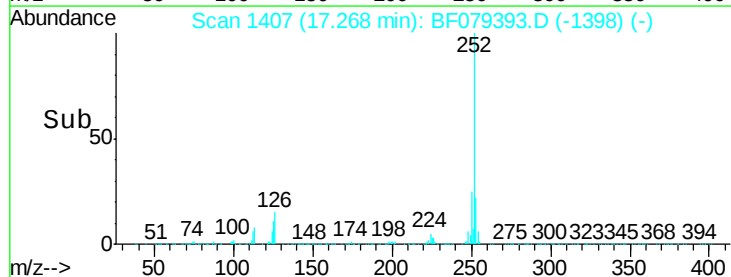
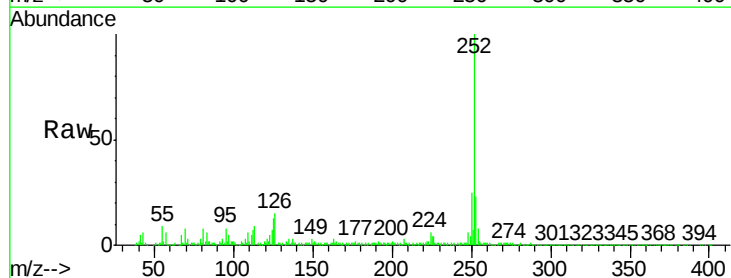
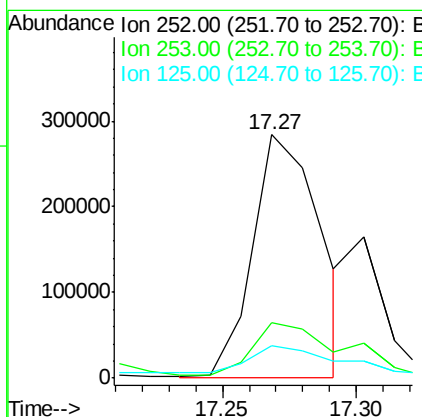
Manual Integrations  
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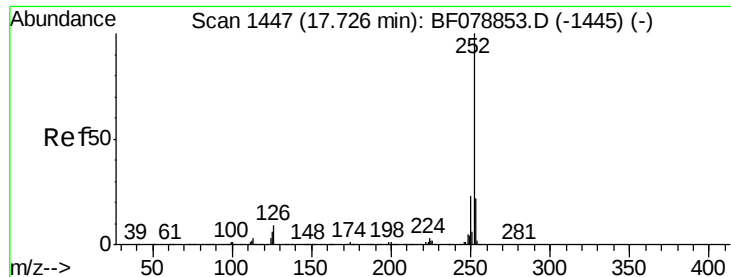
apatel  
5/21/2015 4:29:13 PM



#87  
Benzo(b)fluoranthene  
Concen: 29.90 ng m  
RT: 17.27 min Scan# 1407  
Delta R.T. -0.08 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.1  | 27.1  |
| 125     | 13.2  | 9.4   | 14.2  |





#88

Benzo(k)fluoranthene

Concen: 9.02 ng/mL

RT: 17.30 min Scan# 1410

Delta R.T. -0.08 min

Lab File: BF079393.D

Acq: 20 May 2015 22:20

Instrument :

BNA\_F

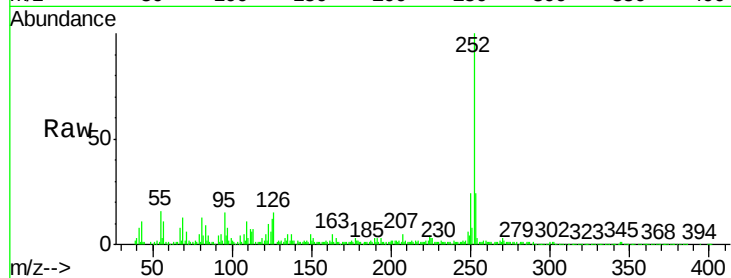
ClientSampleId :

LS-SB04A(2.5-3.0)

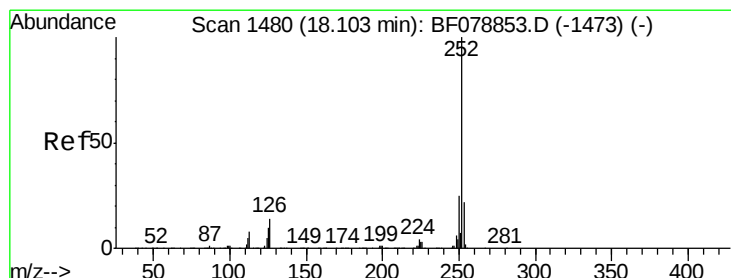
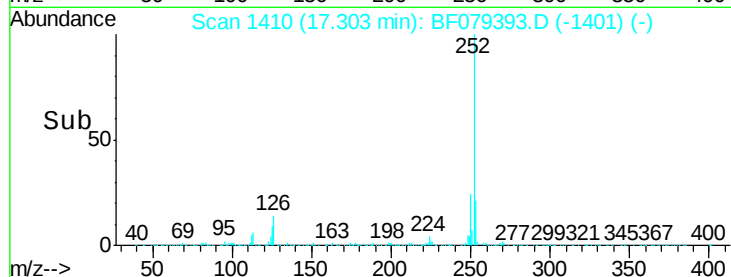
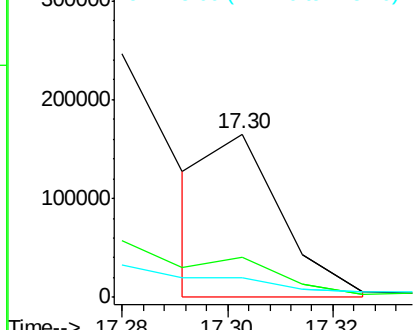
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 17.4  | 26.0  |
| 125     | 12.2  | 6.1   | 9.1#  |

Manual Integrations  
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5/21/2015 4:29:13 PM



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 23.97 ng/mL

RT: 17.66 min Scan# 1441

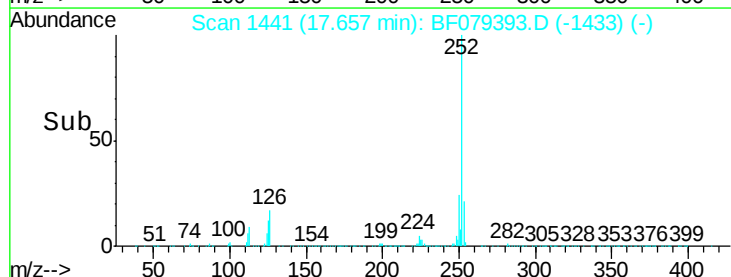
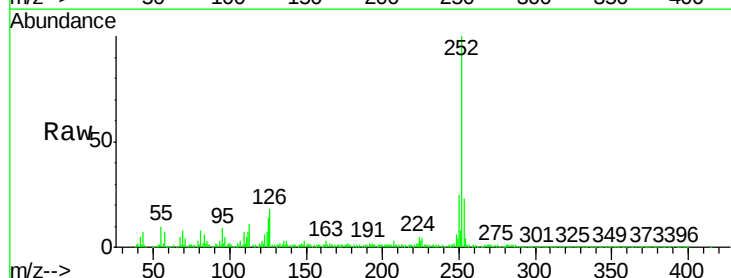
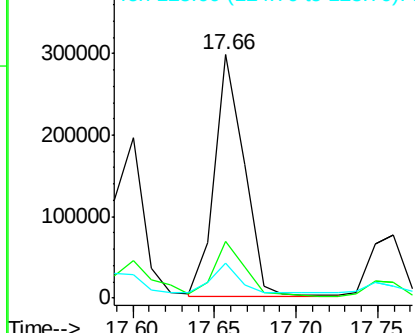
Delta R.T. -0.09 min

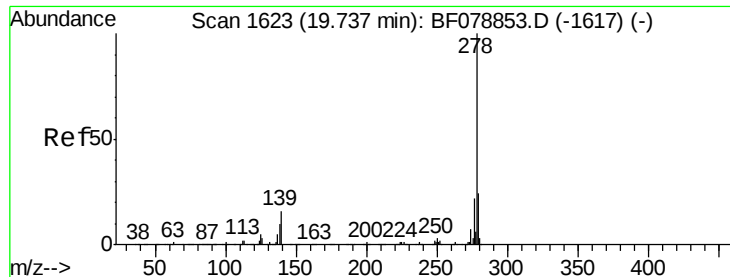
Lab File: BF079393.D

Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.0  | 27.0  |
| 125     | 14.3  | 8.2   | 12.2# |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





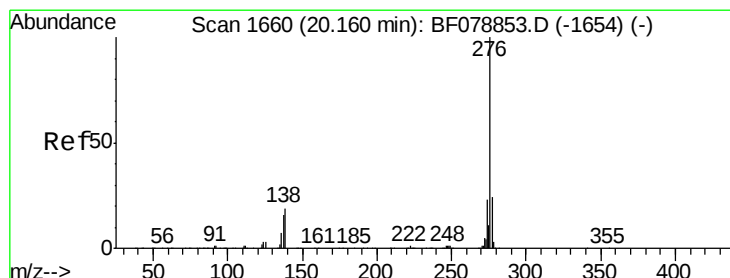
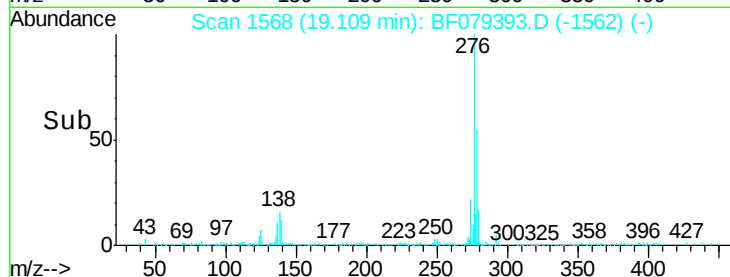
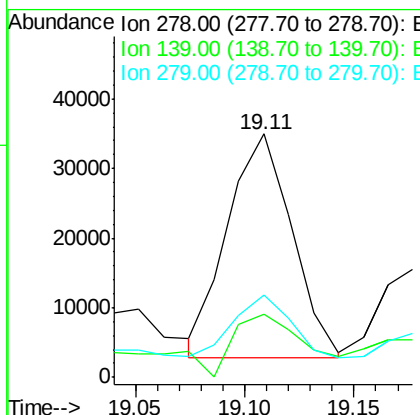
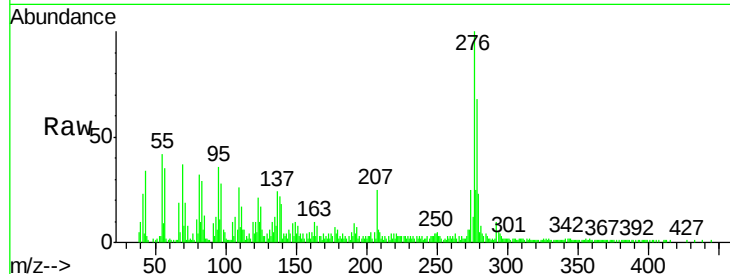
#90  
Dibenzo(a,h)anthracene  
Concen: 4.01 ng m  
RT: 19.11 min Scan# 1568  
Delta R.T. -0.14 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB04A(2.5-3.0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.9  | 13.1  | 19.7# |
| 279     | 33.6  | 19.1  | 28.7# |

Manual Integrations  
APPROVED

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5/21/2015 4:29:13 PM



#91  
Benzo(g,h,i)perylene  
Concen: 16.20 ng  
RT: 19.49 min Scan# 1601  
Delta R.T. -0.14 min  
Lab File: BF079393.D  
Acq: 20 May 2015 22:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.7  | 18.8  | 28.2  |
| 138     | 27.6  | 15.2  | 22.8# |

