

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\  
 Data File : BF086161.D  
 Acq On : 8 Apr 2016 6:03  
 Operator : UM/SJ  
 Sample : H2310-08  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PEDBR-SB3-0-6.0

Manual Integrations  
 APPROVED

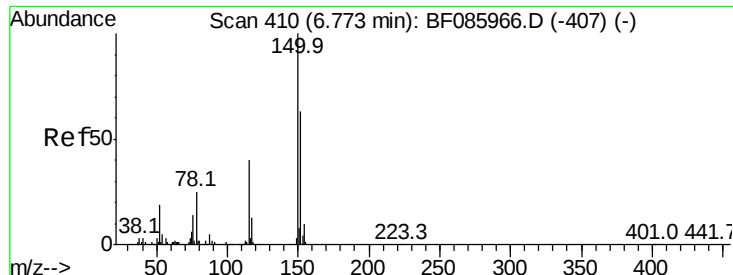
Sohil  
 4/8/2016 6:09:32 PM

Quant Time: Apr 08 17:23:58 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 100516   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.02  | 136  | 353209   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 139414   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.25 | 188  | 231076   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 13.91 | 240  | 201905   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.30 | 264  | 171671   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 649435   | 110.44 | ng    | -0.03    |
| 7) Phenol-d6                | 6.40  | 99   | 835987   | 111.92 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 553455   | 92.41  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 145247   | 111.00 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 797094   | 95.06  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.84 | 244  | 508788   | 59.24  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.04  | 128  | 124941   | 7.03   | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.74  | 142  | 47474    | 4.09   | ng    | 97       |
| 49) Dimethylphthalate       | 9.49  | 163  | 84512    | 8.18   | ng    | 99       |
| 51) Acenaphthene            | 9.80  | 154  | 56635    | 6.82   | ng    | 100      |
| 54) Dibenzofuran            | 9.98  | 168  | 72715    | 6.63   | ng    | 95       |
| 57) Fluorene                | 10.32 | 166  | 73374    | 7.83   | ng    | 98       |
| 70) Phenanthrene            | 11.29 | 178  | 843225   | 66.89  | ng    | 100      |
| 71) Anthracene              | 11.33 | 178  | 242064   | 18.33  | ng    | 99       |
| 72) Carbazole               | 11.49 | 167  | 111729   | 9.84   | ng    | 99       |
| 73) Di-n-butylphthalate     | 11.82 | 149  | 45744    | 3.25   | ng    | # 93     |
| 74) Fluoranthene            | 12.48 | 202  | 862740   | 65.80  | ng    | 93       |
| 77) Pvrene                  | 12.70 | 202  | 763228   | 53.64  | ng    | 100      |
| 80) Benzo(a)anthracene      | 13.89 | 228  | 410898   | 34.52  | ng    | 98       |
| 82) Chrysene                | 13.93 | 228  | 362401m  | 31.61  | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.65 | 276  | 124355   | 13.37  | ng    | 93       |
| 87) Benzo(b)fluoranthene    | 14.91 | 252  | 356837m  | 33.04  | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.92 | 252  | 138587m  | 14.49  | ng    |          |
| 89) Benzo(a)pyrene          | 15.25 | 252  | 241527   | 25.24  | ng    | 96       |
| 90) Dibenzo(a,h)anthracene  | 16.65 | 278  | 39676    | 5.15   | ng    | # 86     |
| 91) Benzo(a,h,i)perylene    | 17.06 | 276  | 106864   | 14.34  | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

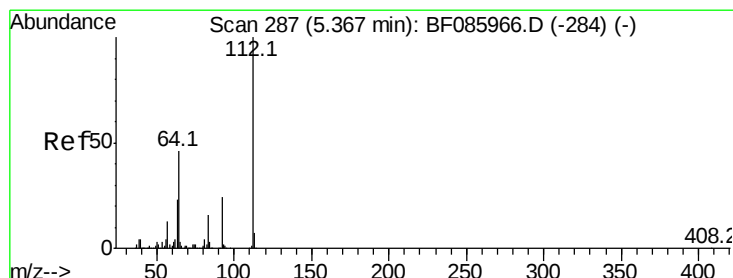
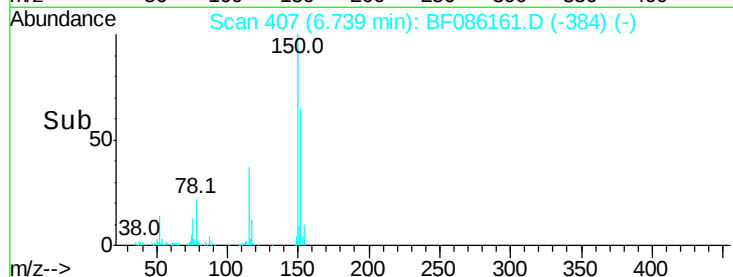
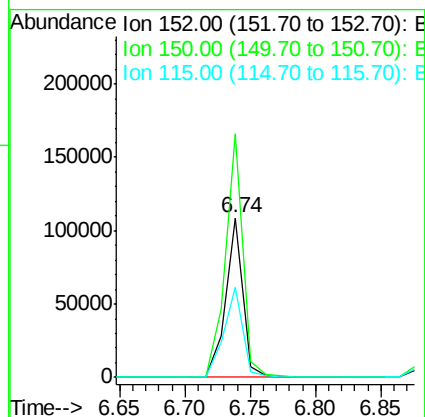
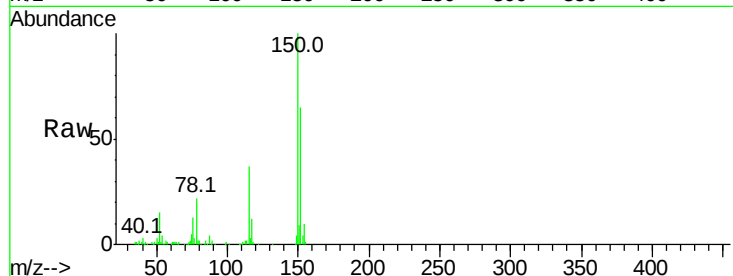
ClientSampleId :

PEDBR-SB3-0-6.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 100516 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 152.7 | 124.2 | 186.2  |
| 115       | 56.5  | 47.0  | 70.6   |

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#5

2-Fluorophenol

Concen: 110.44 ng

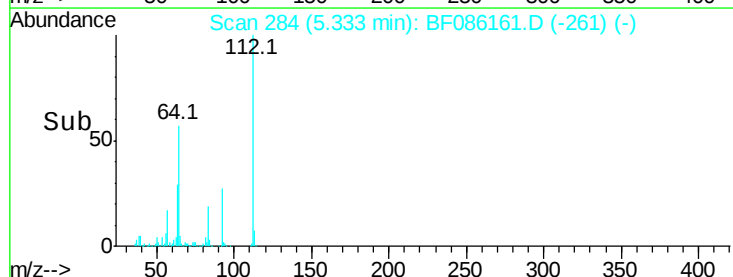
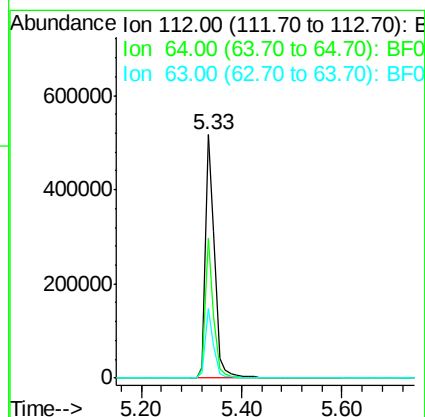
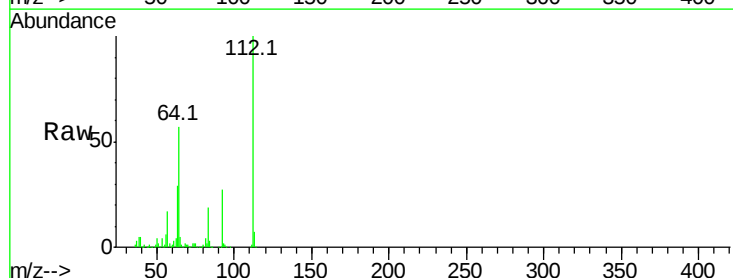
RT: 5.33 min Scan# 284

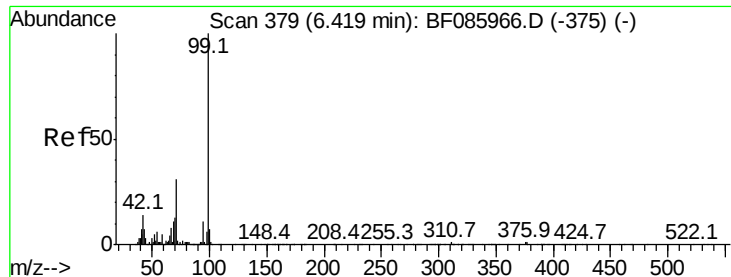
Delta R.T. -0.03 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 649435 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.4  | 39.9  | 59.9   |
| 63        | 28.8  | 20.2  | 30.2   |





#7

Phenol-d6

Concen: 111.92 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

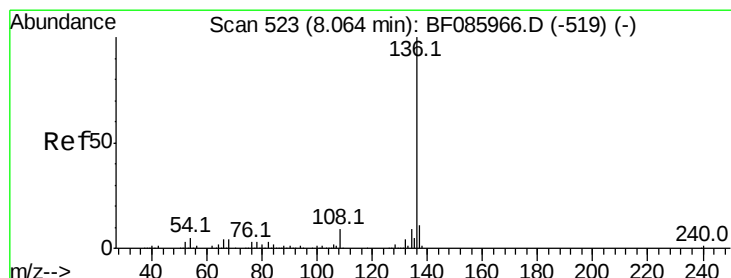
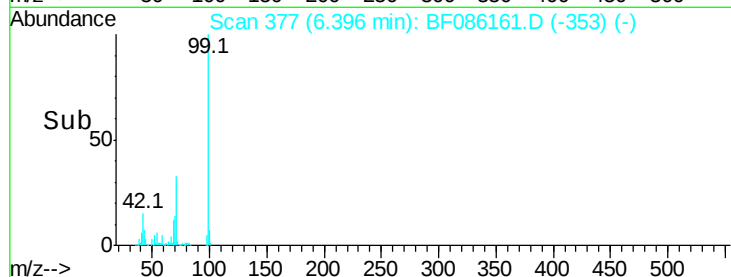
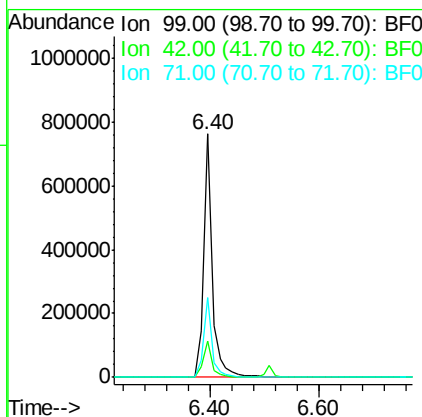
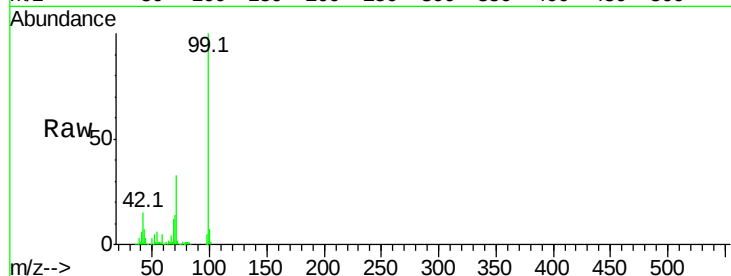
ClientSampleId :

PEDBR-SB3-0-6.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 835987 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.8  | 11.1  | 16.7   |
| 71        | 32.8  | 24.9  | 37.3   |

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#21

Naphthalene-d8

Concen: 20.00 ng

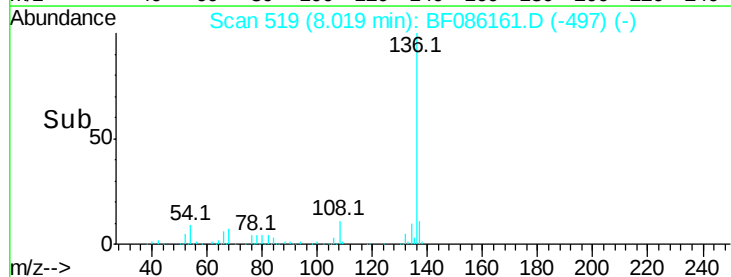
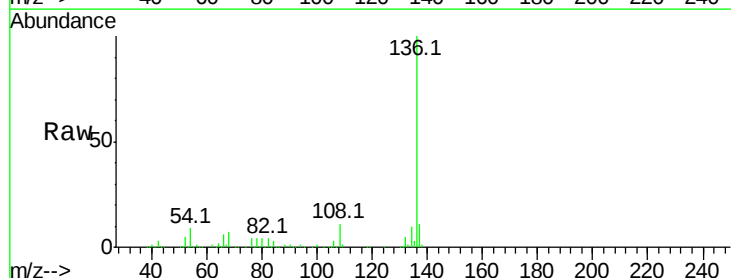
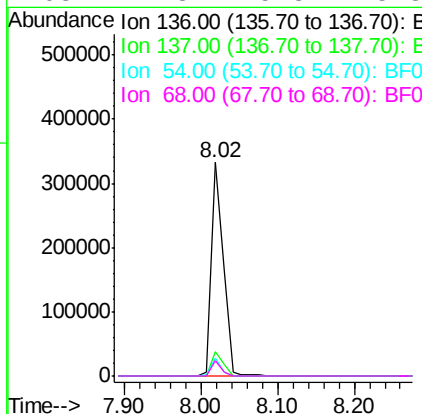
RT: 8.02 min Scan# 519

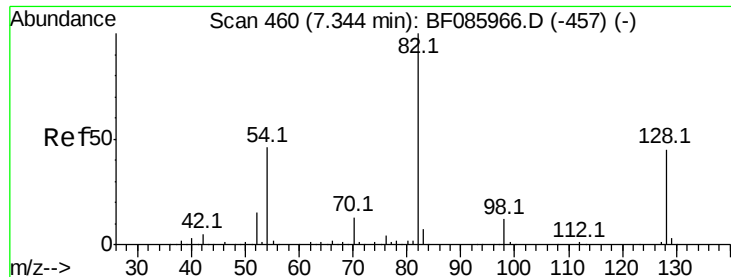
Delta R.T. -0.05 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 353209 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.2  | 9.1   | 13.7   |
| 54        | 8.6   | 7.4   | 11.0   |
| 68        | 7.3   | 5.8   | 8.8    |





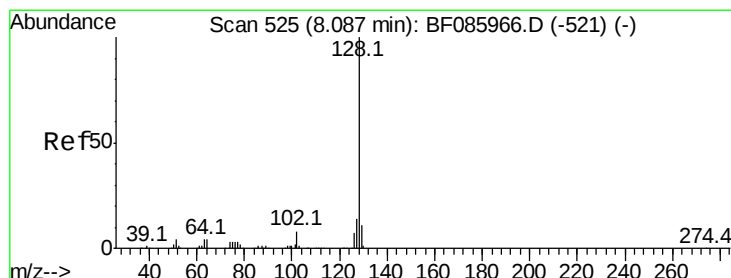
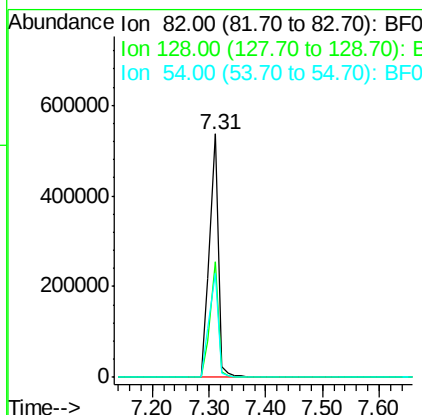
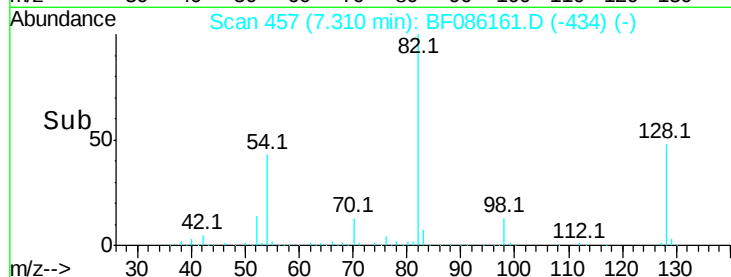
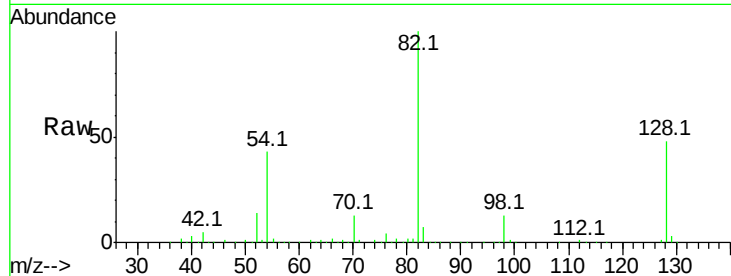
#23  
 Nitrobenzene-d5  
 Concen: 92.41 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. -0.03 min  
 Lab File: BF086161.D  
 Acq: 8 Apr 2016 6:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PEDBR-SB3-0-6.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 553455 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.6  | 41.8  | 62.8   |
| 54        | 43.0  | 33.4  | 50.0   |

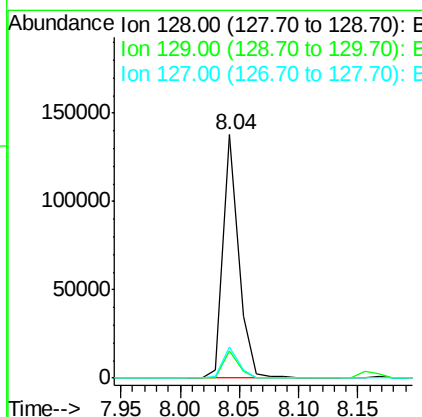
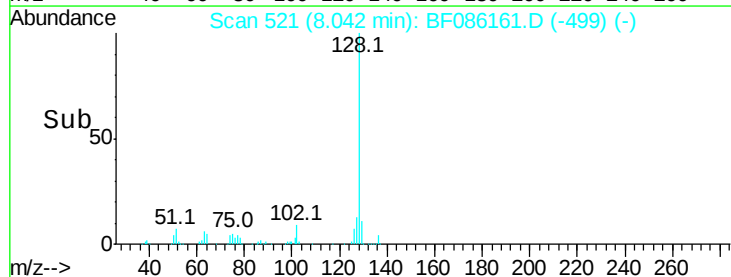
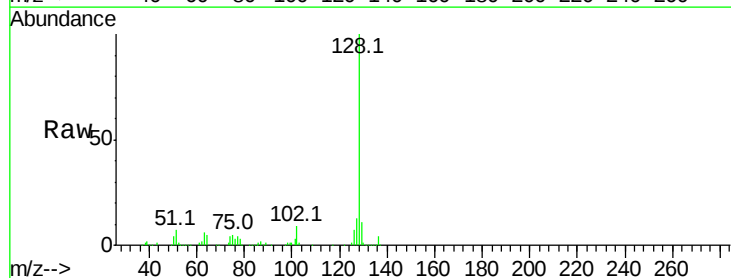
Manual Integrations  
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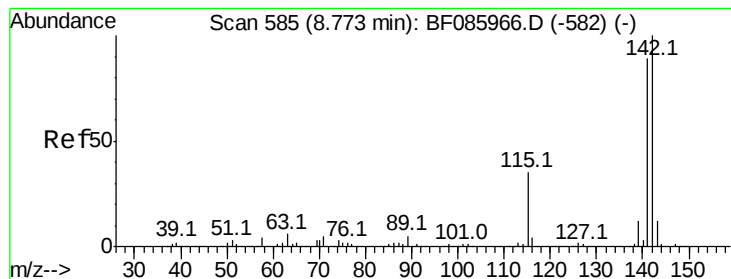
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#31  
 Naphthalene  
 Concen: 7.03 ng  
 RT: 8.04 min Scan# 521  
 Delta R.T. -0.05 min  
 Lab File: BF086161.D  
 Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 124941 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.1  | 9.4   | 14.0   |
| 127       | 12.9  | 11.0  | 16.6   |





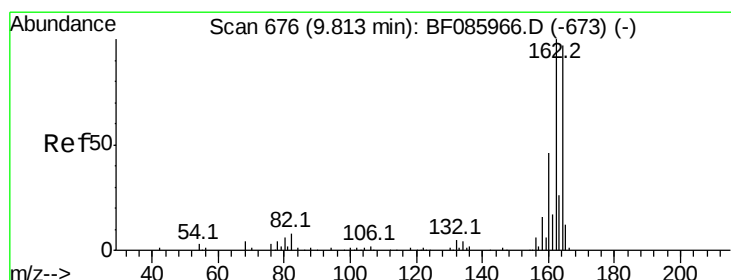
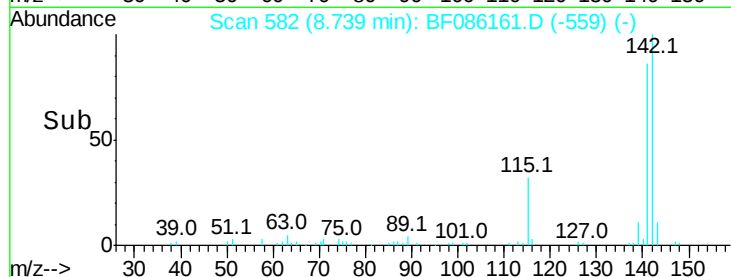
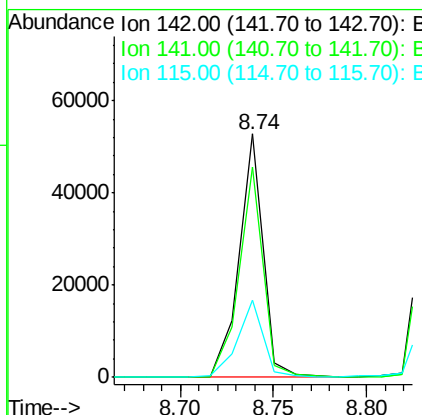
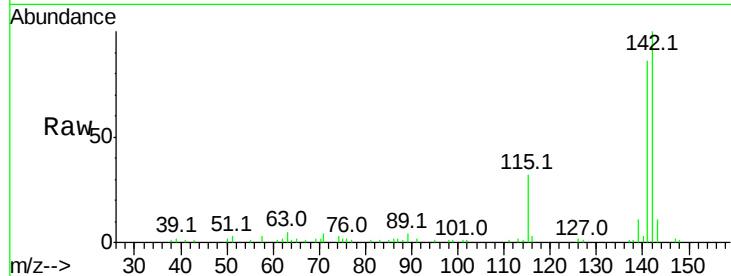
#37  
2-Methylnaphthalene  
Concen: 4.09 ng  
RT: 8.74 min Scan# 582  
Delta R.T. -0.03 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

Instrument :  
BNA\_F  
ClientSampleId :  
PEDBR-SB3-0-6.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.4  | 71.6  | 107.4 |
| 115     | 31.9  | 26.8  | 40.2  |

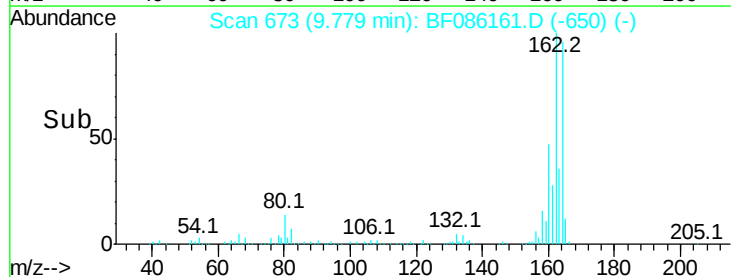
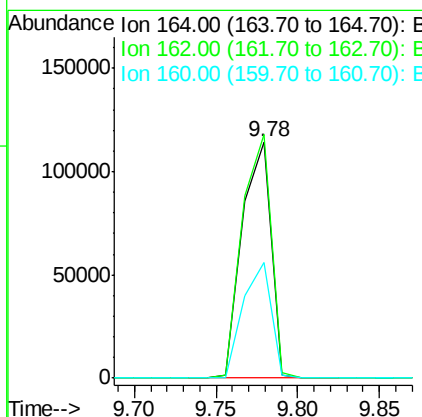
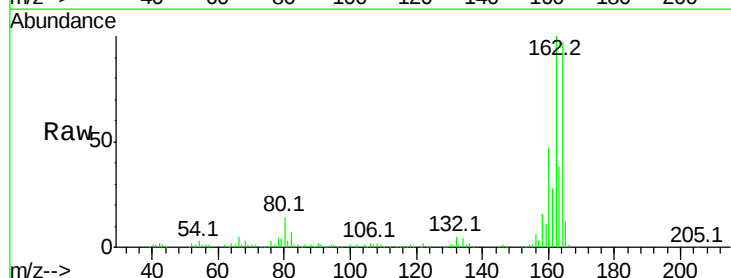
Manual Integrations  
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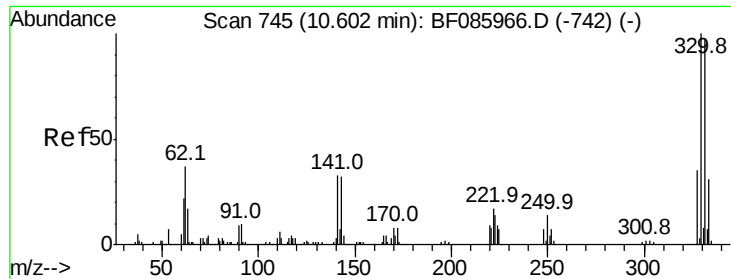
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.03 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 82.1  | 123.1 |
| 160     | 48.8  | 37.4  | 56.2  |





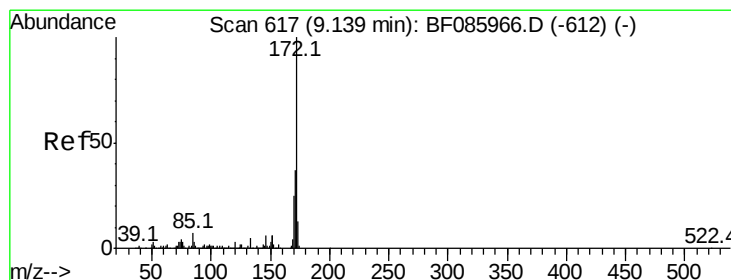
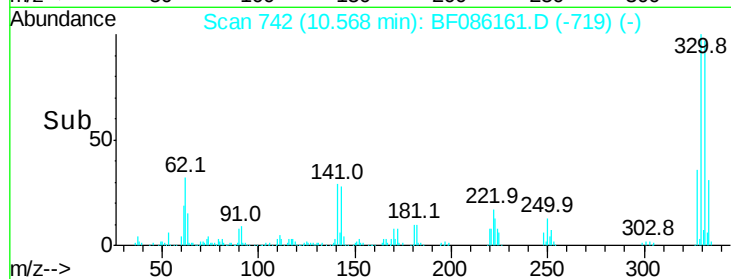
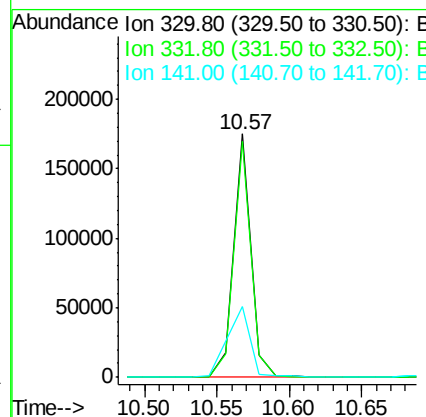
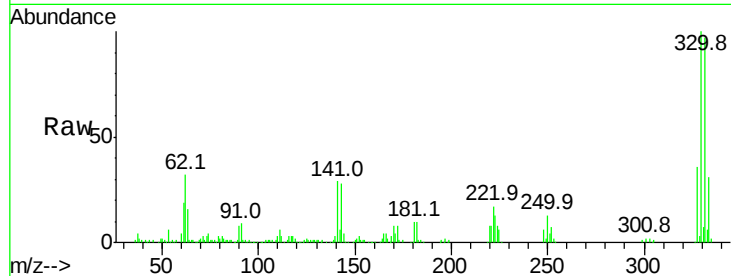
#41  
 2,4,6-Tribromophenol  
 Concen: 111.00 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086161.D  
 Acq: 8 Apr 2016 6:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PEDBR-SB3-0-6.0

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 145247 |       |       |
| 332     | 96.5  | 78.2   | 117.2 |       |
| 141     | 40.6  | 31.5   | 47.3  |       |

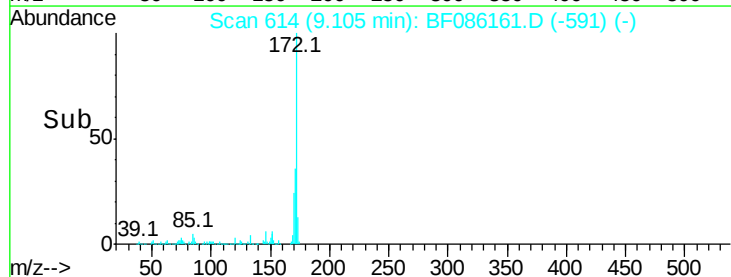
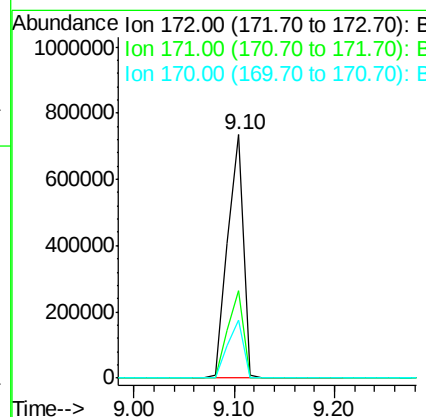
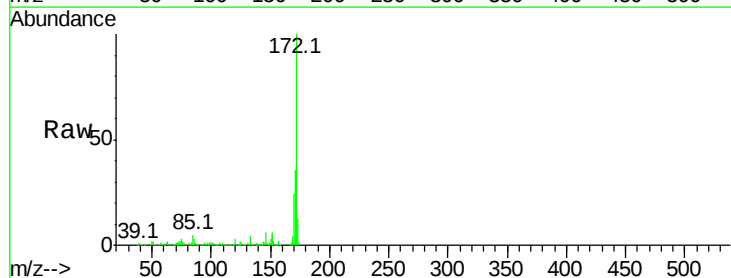
Manual Integrations  
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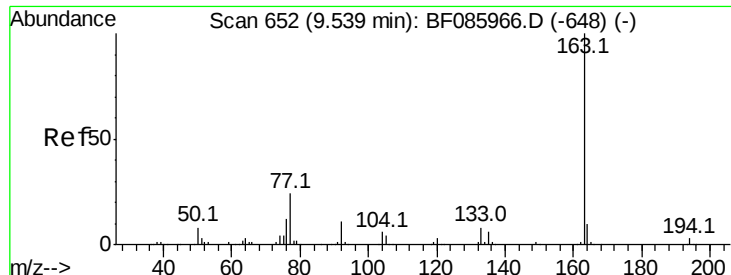
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#44  
 2-Fluorobiphenyl  
 Concen: 95.06 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF086161.D  
 Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 797094 |       |       |
| 171     | 35.9  | 29.4   | 44.2  |       |
| 170     | 23.8  | 19.8   | 29.6  |       |





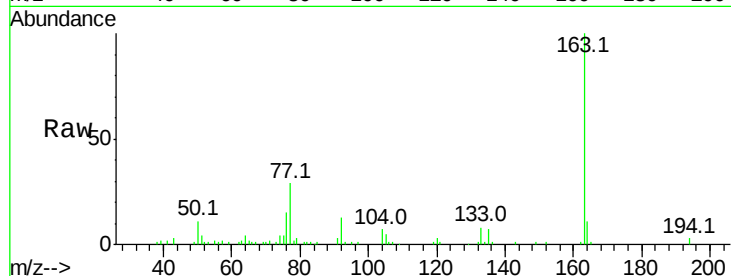
#49  
Dimethylphthalate  
Concen: 8.18 ng  
RT: 9.49 min Scan# 648  
Delta R.T. -0.05 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

Instrument :  
BNA\_F  
ClientSampleId :  
PEDBR-SB3-0-6.0

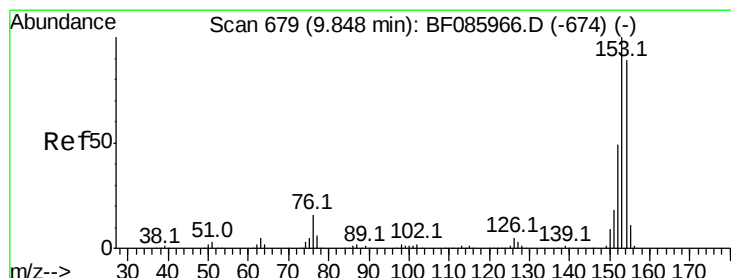
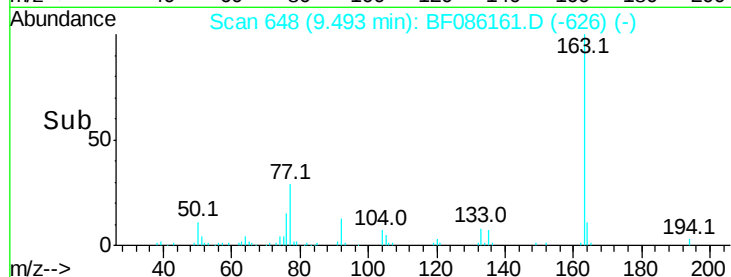
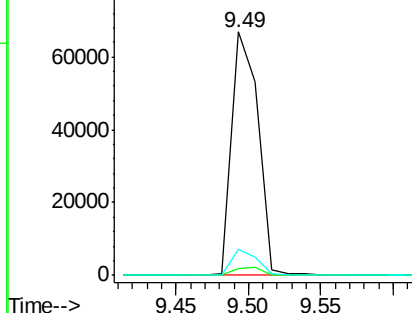
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.0   | 2.9  | 4.3   |       |
| 164     | 10.6  | 8.3  | 12.5  |       |

Manual Integrations  
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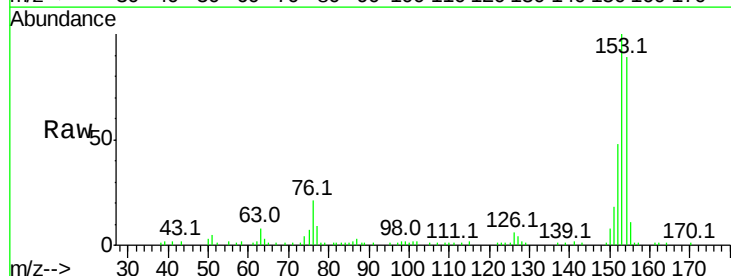


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

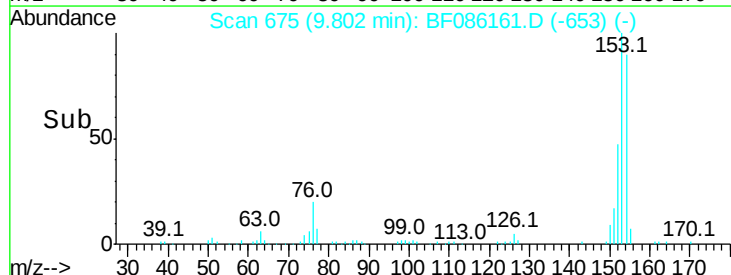
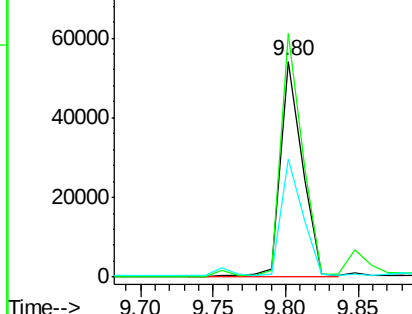


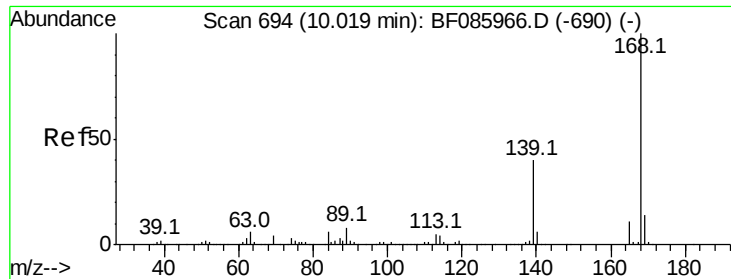
#51  
Acenaphthene  
Concen: 6.82 ng  
RT: 9.80 min Scan# 675  
Delta R.T. -0.05 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 112.7 | 90.1 | 135.1 |       |
| 152     | 54.5  | 44.2 | 66.2  |       |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 6.63 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.03 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

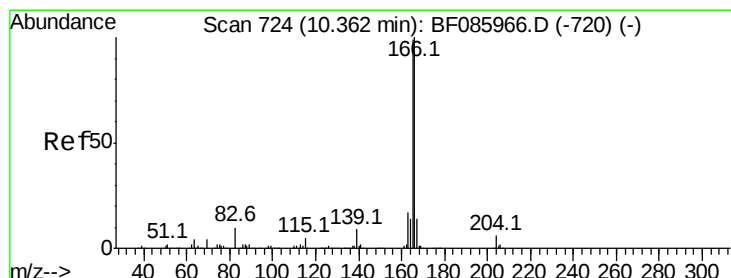
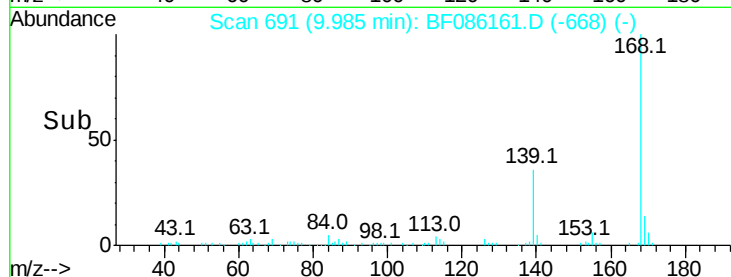
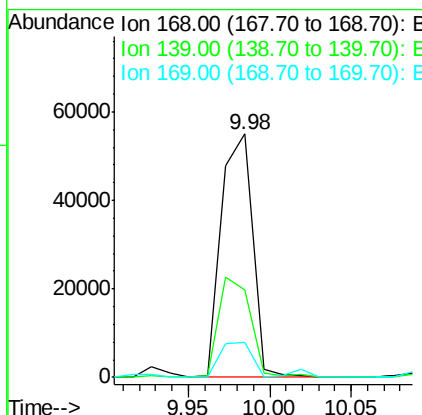
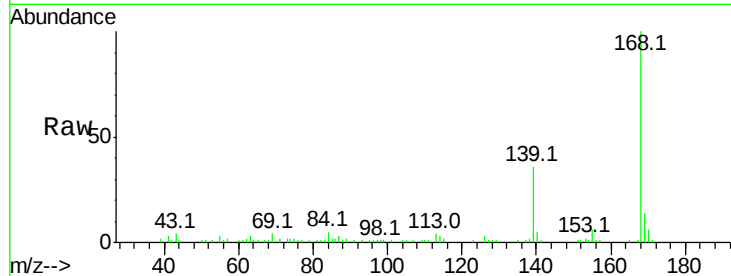
ClientSampleId :

PEDBR-SB3-0-6.0

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 168   | Resp: | 72715 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 35.7  | 31.9  | 47.9  |
| 169       | 14.1  | 11.0  | 16.6  |

Manual Integrations  
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#57

Fluorene

Concen: 7.83 ng

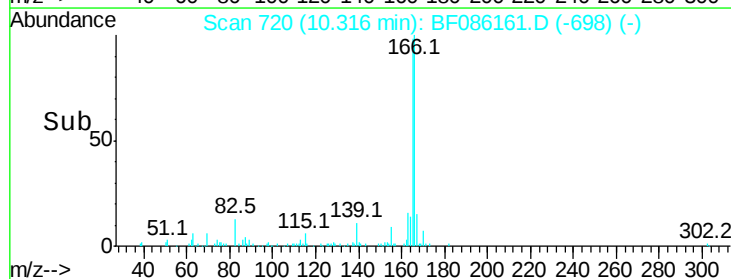
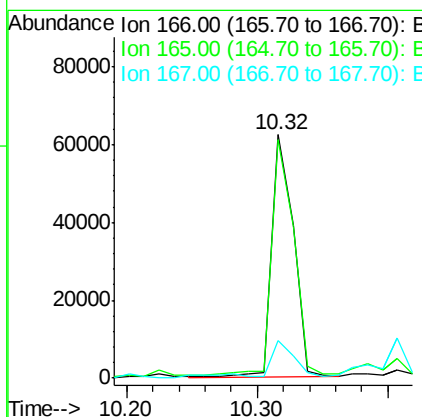
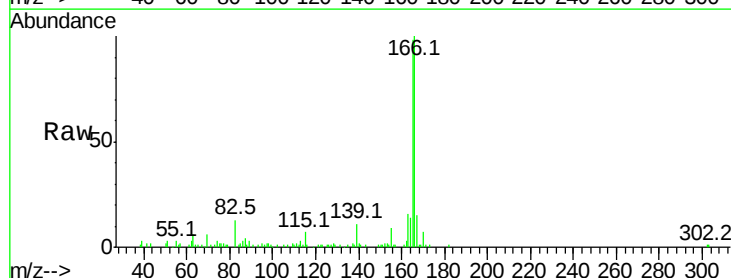
RT: 10.32 min Scan# 720

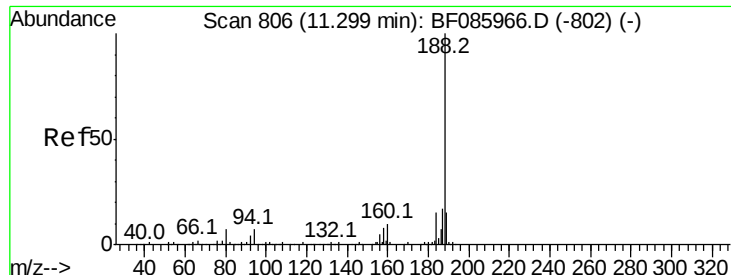
Delta R.T. -0.05 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 73374 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 98.0  | 79.4  | 119.0 |
| 167       | 15.2  | 11.0  | 16.4  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

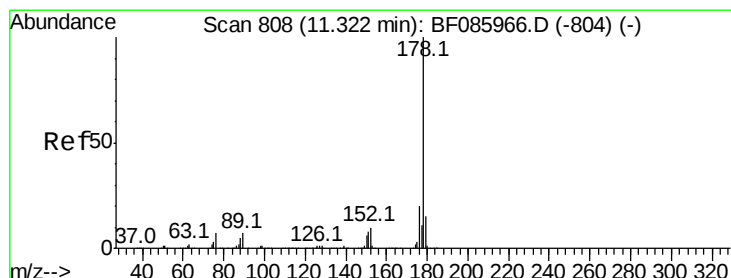
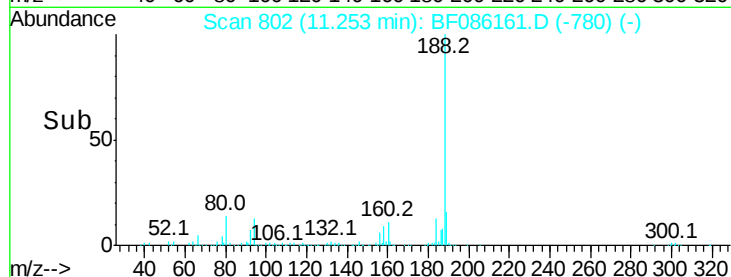
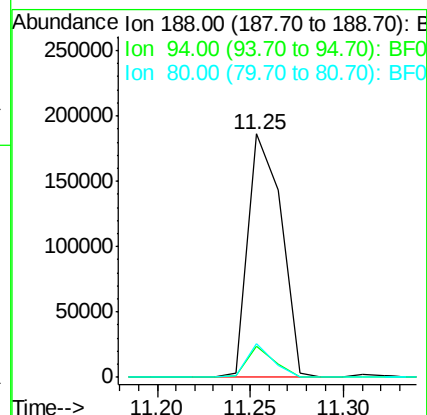
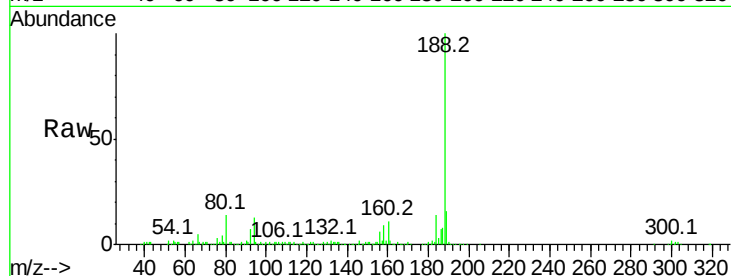
ClientSampleId :

PEDBR-SB3-0-6.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 231076 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 13.0  | 5.4   | 8.0#   |
| 80        | 14.0  | 5.5   | 8.3#   |

Manual Integrations  
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4/8/2016 6:09:32 PM



#70

Phenanthrene

Concen: 66.89 ng

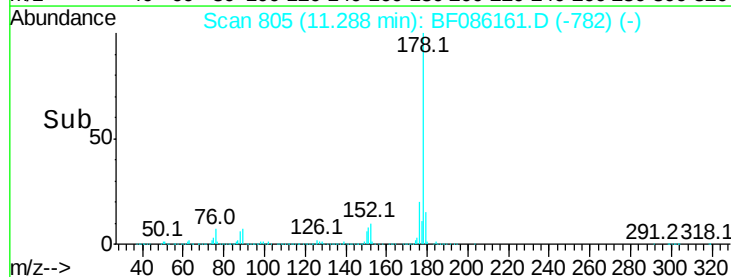
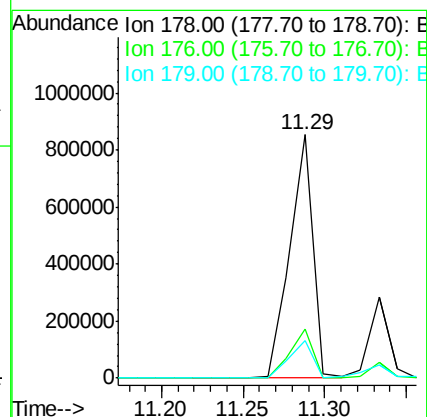
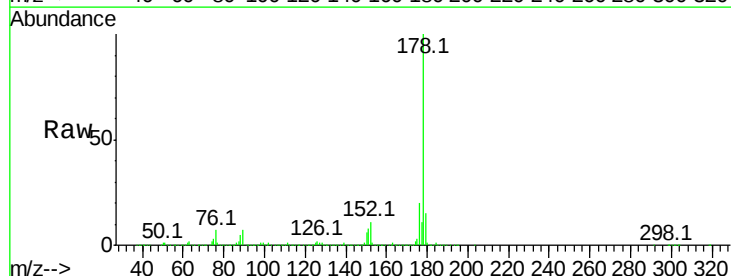
RT: 11.29 min Scan# 805

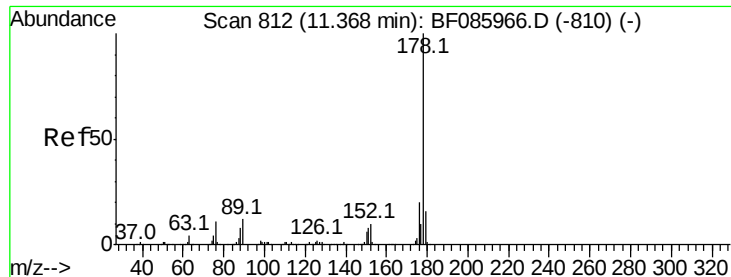
Delta R.T. -0.03 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 843225 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.3  | 16.3  | 24.5   |
| 179       | 15.4  | 12.6  | 18.8   |





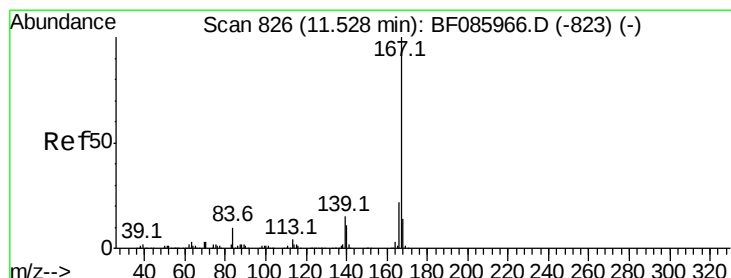
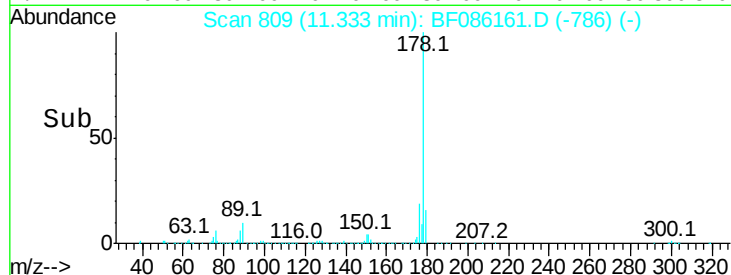
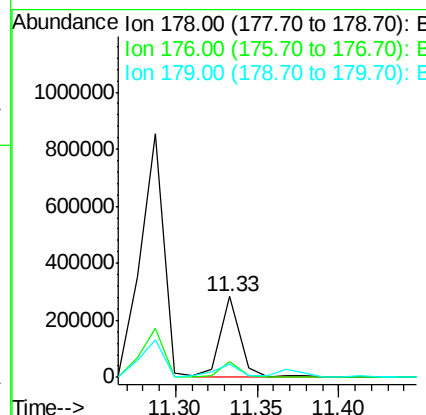
#71  
 Anthracene  
 Concen: 18.33 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. -0.03 min  
 Lab File: BF086161.D  
 Acq: 8 Apr 2016 6:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PEDBR-SB3-0-6.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.9  | 23.9  |
| 179     | 16.1  | 13.0  | 19.4  |

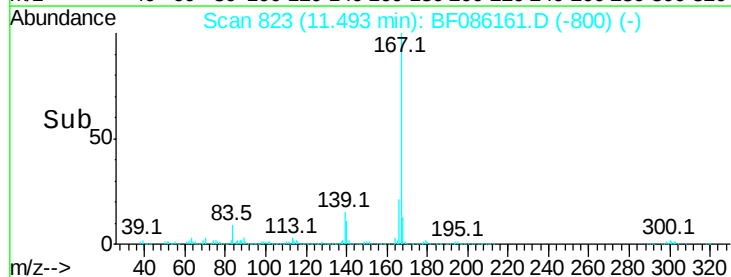
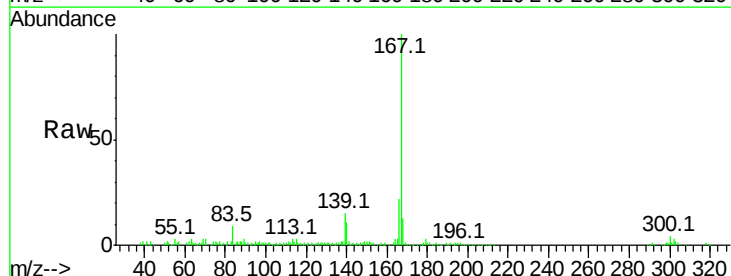
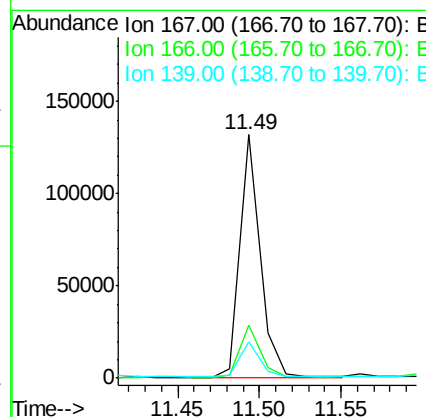
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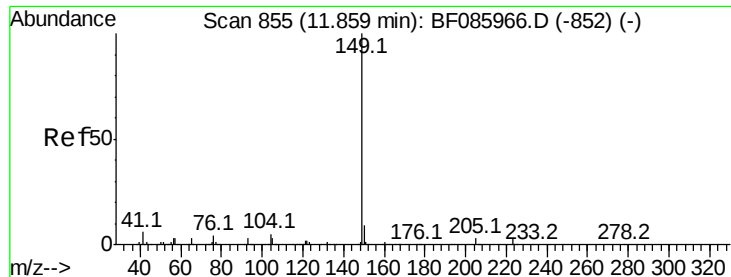
Sohil  
 4/8/2016 6:09:32 PM



#72  
 Carbazole  
 Concen: 9.84 ng  
 RT: 11.49 min Scan# 823  
 Delta R.T. -0.03 min  
 Lab File: BF086161.D  
 Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.6  | 17.8  | 26.8  |
| 139     | 14.9  | 11.6  | 17.4  |





#73

Di-n-butylphthalate

Concen: 3.25 ng

RT: 11.82 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

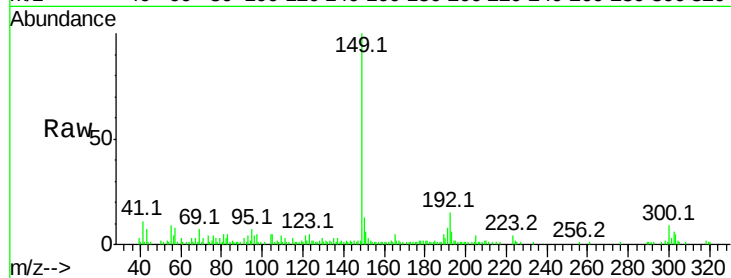
ClientSampleId :

PEDBR-SB3-0-6.0

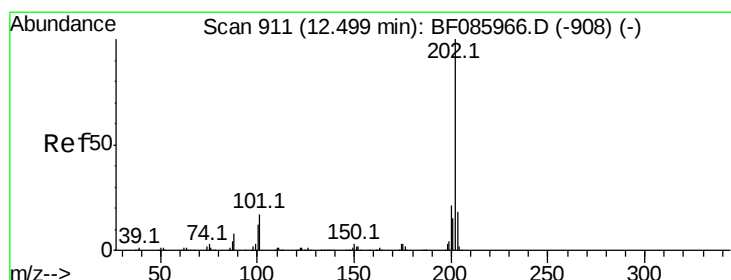
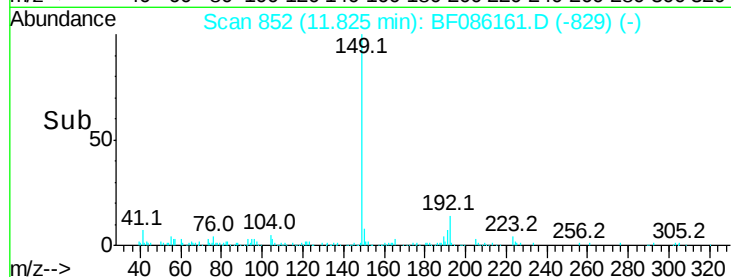
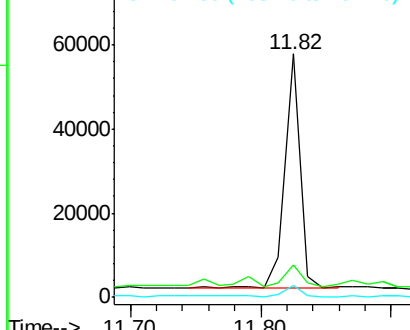
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 45744 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 13.2  | 7.6   | 11.4# |
| 104       | 4.7   | 3.8   | 5.8   |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 65.80 ng

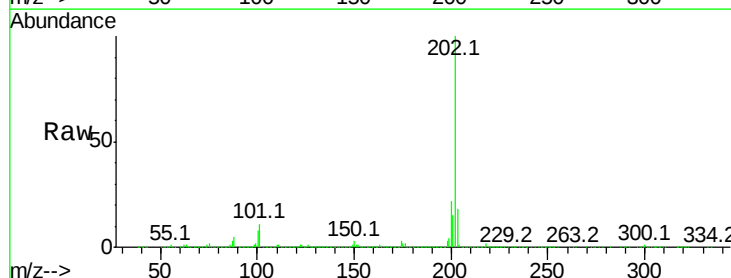
RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

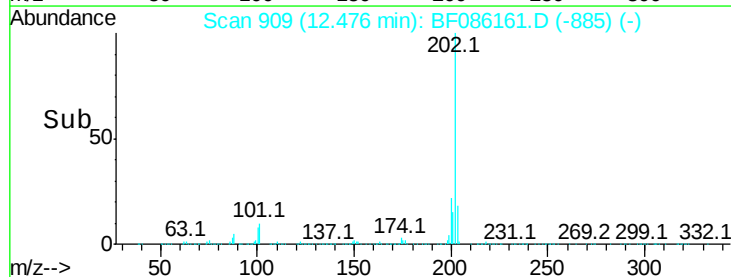
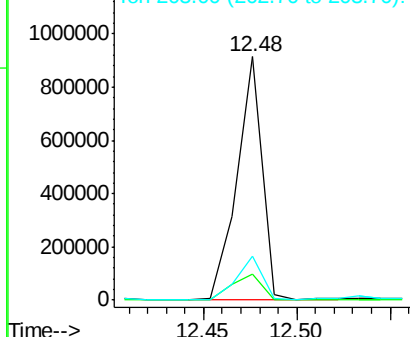
Lab File: BF086161.D

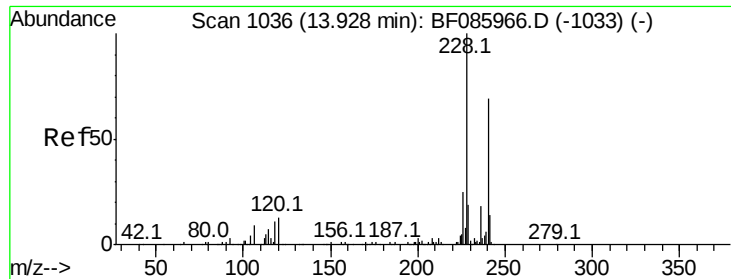
Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 862740 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.6  | 0.0   | 36.6   |
| 203       | 18.0  | 0.0   | 38.1   |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

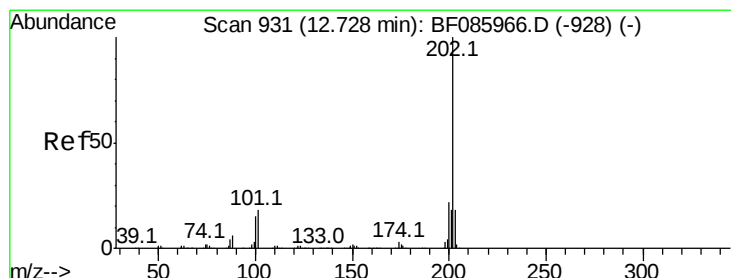
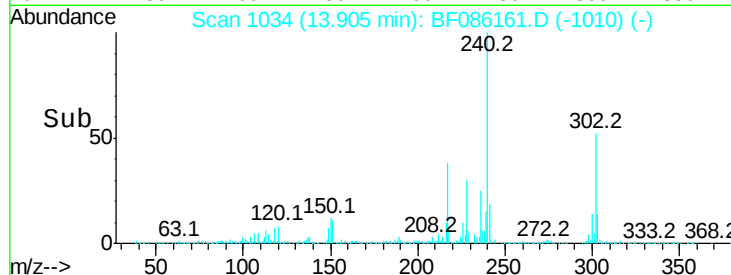
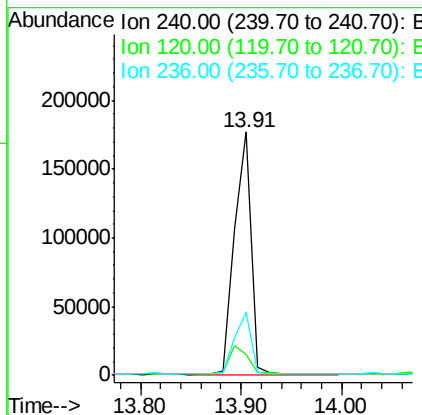
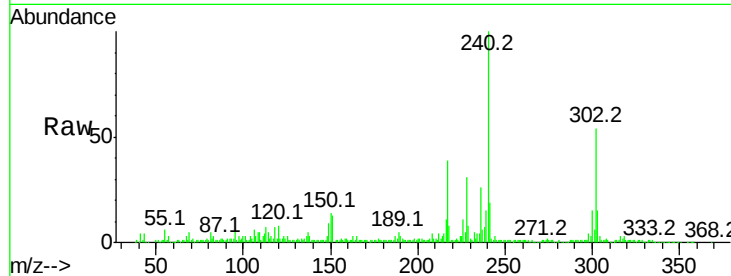
ClientSampleId :

PEDBR-SB3-0-6.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 201905 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.4   | 13.8  | 20.8#  |
| 236       | 25.8  | 20.6  | 30.8   |

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#77

Pyrene

Concen: 53.64 ng

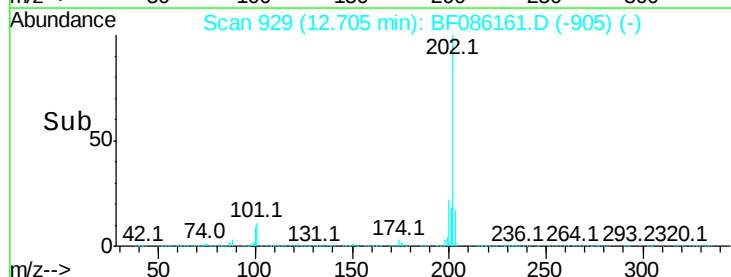
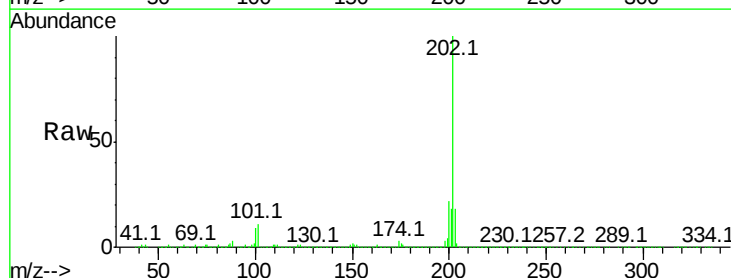
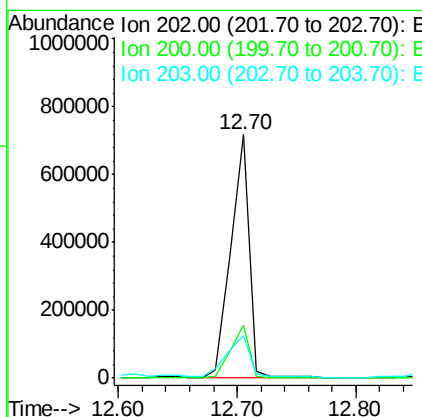
RT: 12.70 min Scan# 929

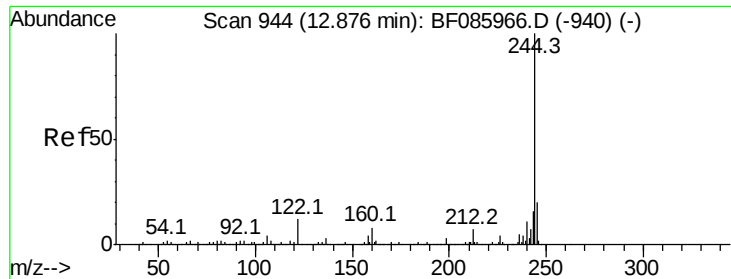
Delta R.T. -0.02 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 763228 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.0  | 17.6  | 26.4   |
| 203       | 17.7  | 14.0  | 21.0   |





#78

Terphenyl-d14

Concen: 59.24 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086161.D

Acq: 8 Apr 2016 6:03

Instrument :

BNA\_F

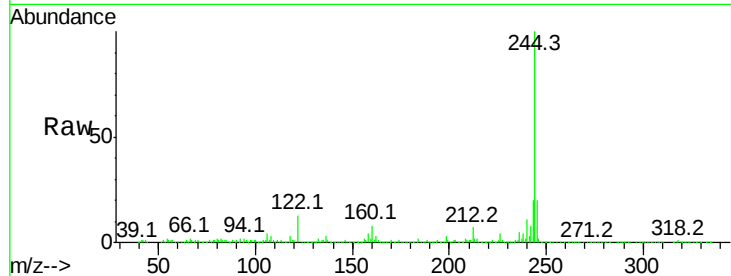
ClientSampleId :

PEDBR-SB3-0-6.0

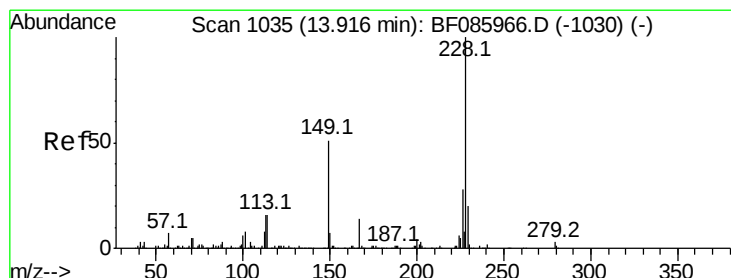
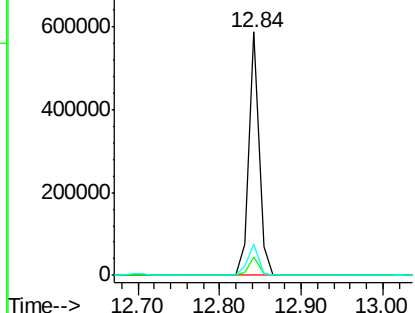
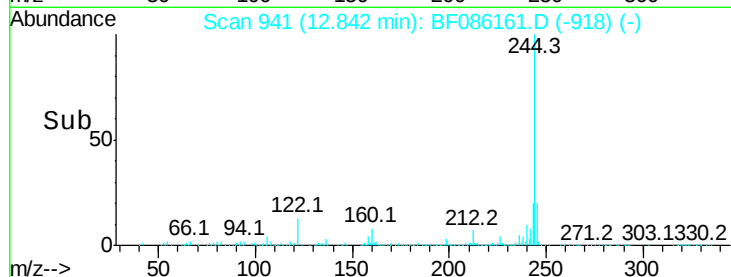
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 508788 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.3   | 6.1   | 9.1    |
| 122       | 12.9  | 10.2  | 15.4   |

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Abundance Ion 244.00 (243.70 to 244.70): E  
800000  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 34.52 ng

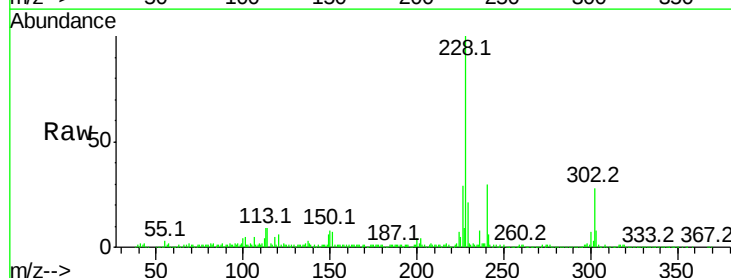
RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

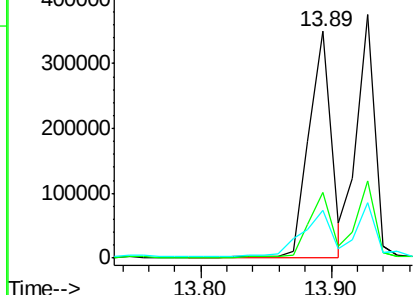
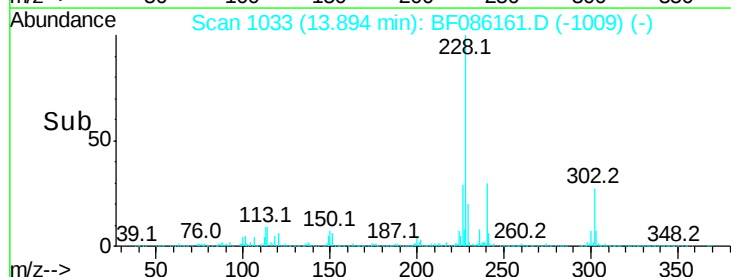
Lab File: BF086161.D

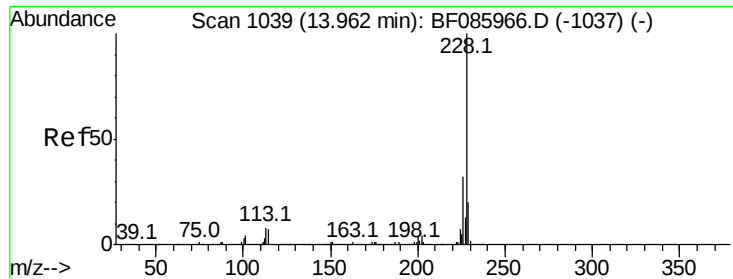
Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 410898 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.8  | 22.1  | 33.1   |
| 229       | 20.8  | 16.2  | 24.4   |



Abundance Ion 228.00 (227.70 to 228.70): E  
500000  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





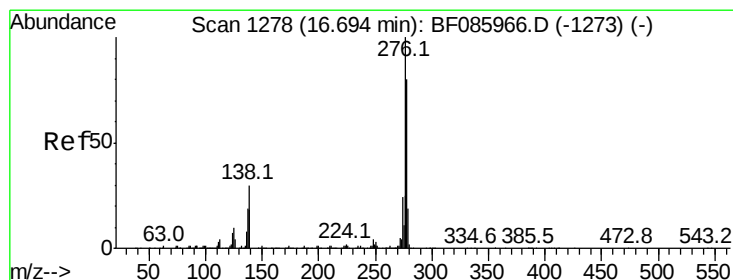
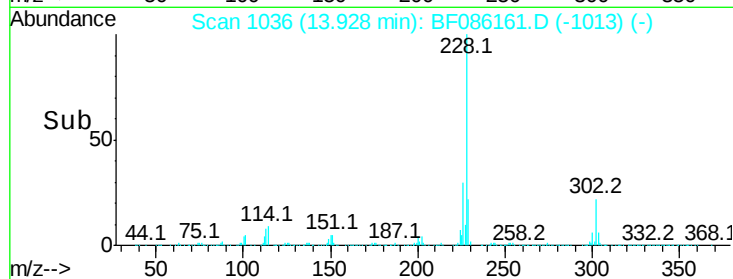
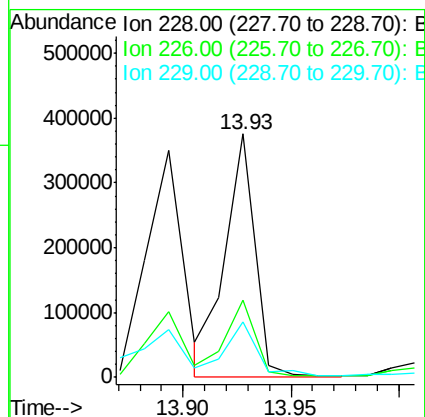
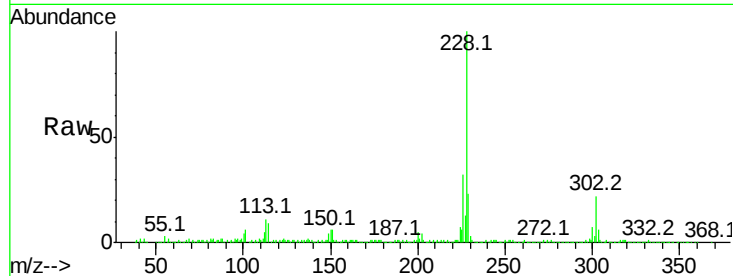
#82  
Chrysene  
Concen: 31.61 ng/ml  
RT: 13.93 min Scan# 1036  
Delta R.T. -0.03 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

Instrument :  
BNA\_F  
ClientSampleId :  
PEDBR-SB3-0-6.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 362401 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.6  | 25.0  | 37.6   |
| 229       | 22.9  | 15.7  | 23.5   |

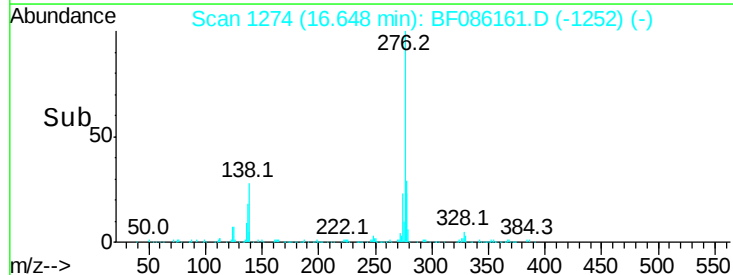
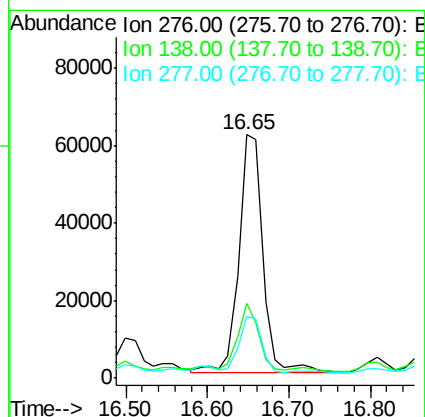
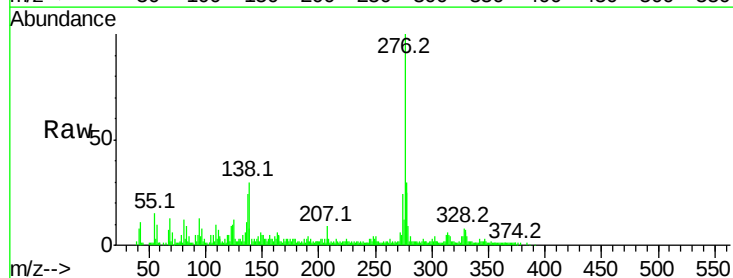
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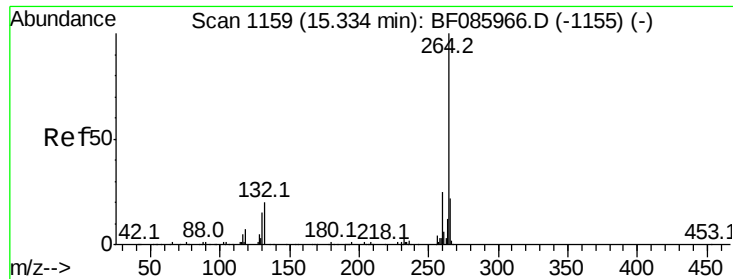
Sohil  
4/8/2016 6:09:32 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 13.37 ng  
RT: 16.65 min Scan# 1274  
Delta R.T. -0.05 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 124355 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 25.9  | 24.2  | 36.4   |
| 277       | 22.0  | 20.0  | 30.0   |





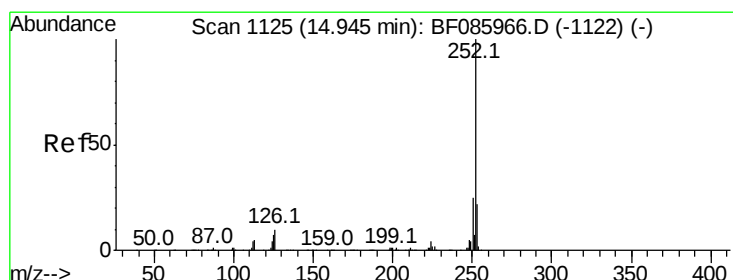
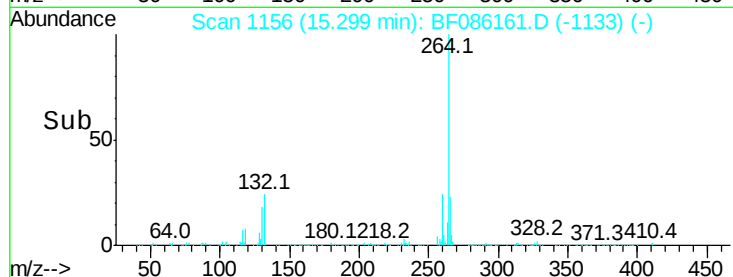
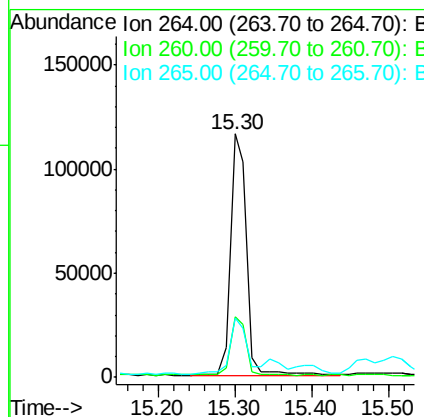
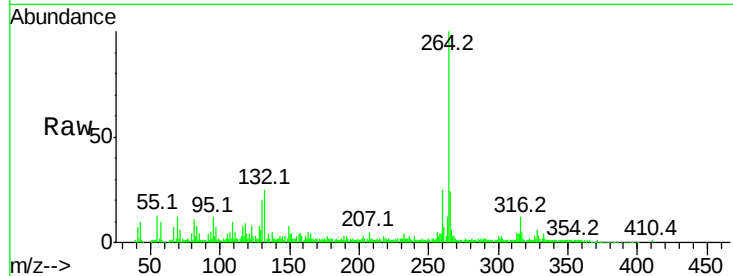
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.30 min Scan# 1156  
Delta R.T. -0.03 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

Instrument :  
BNA\_F  
ClientSampleId :  
PEDBR-SB3-0-6.0

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 171671 |       |       |
| 260     | 25.0  | 19.4   | 29.2  |       |
| 265     | 24.3  | 17.2   | 25.8  |       |

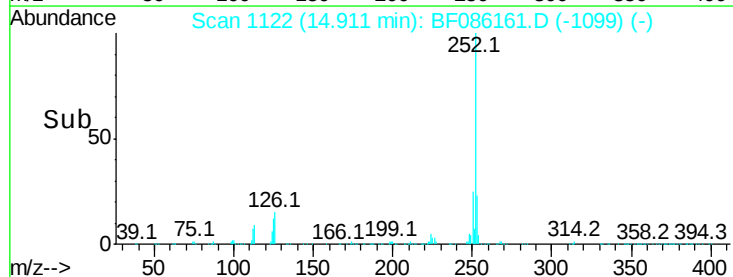
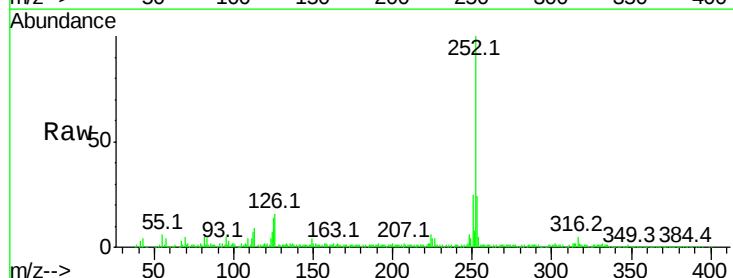
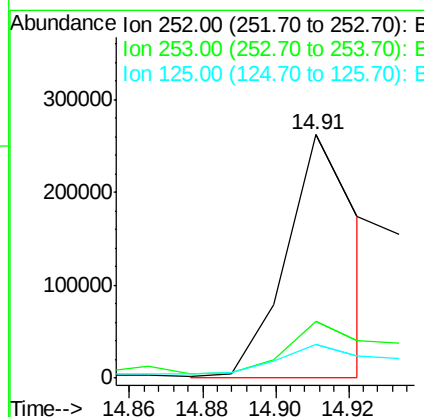
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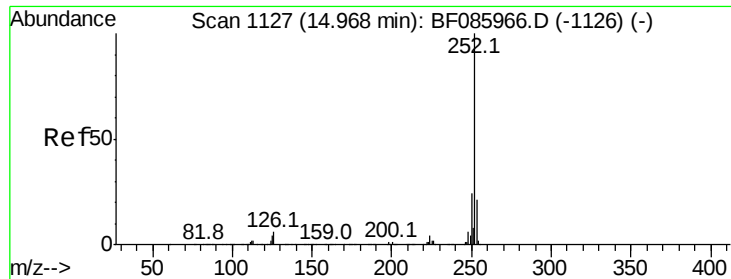
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#87  
Benzo(b)fluoranthene  
Concen: 33.04 ng m  
RT: 14.91 min Scan# 1122  
Delta R.T. -0.03 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 356837 |       |       |
| 253     | 23.5  | 17.6   | 26.4  |       |
| 125     | 14.1  | 10.3   | 15.5  |       |





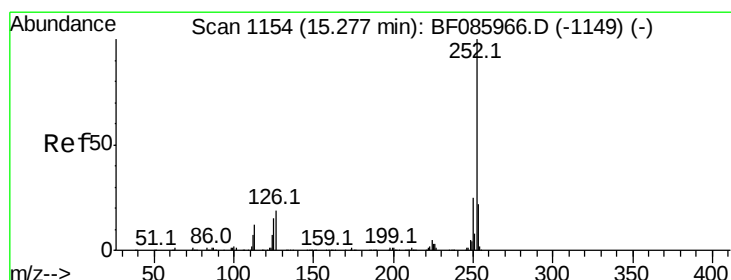
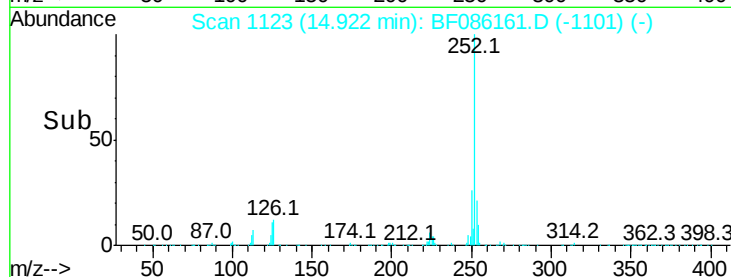
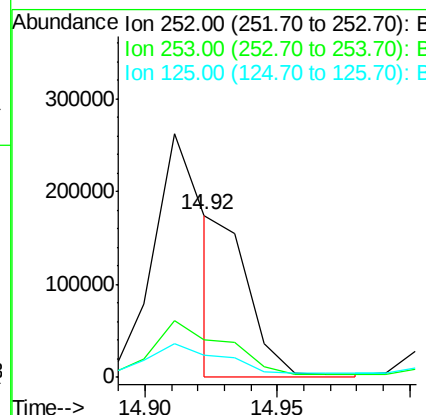
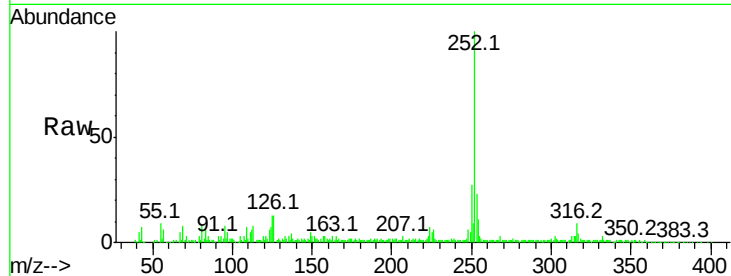
#88  
Benzo(k)fluoranthene  
Concen: 14.49 ng  
RT: 14.92 min Scan# 1123  
Delta R.T. -0.05 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

Instrument :  
BNA\_F  
ClientSampleId :  
PEDBR-SB3-0-6.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.8  | 26.6  |
| 125     | 13.4  | 7.7   | 11.5  |

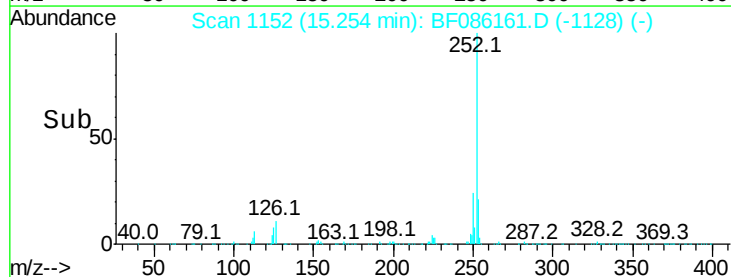
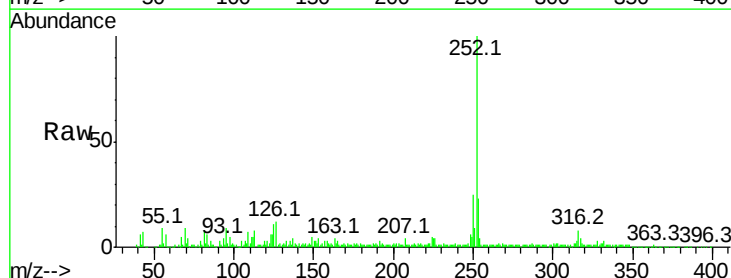
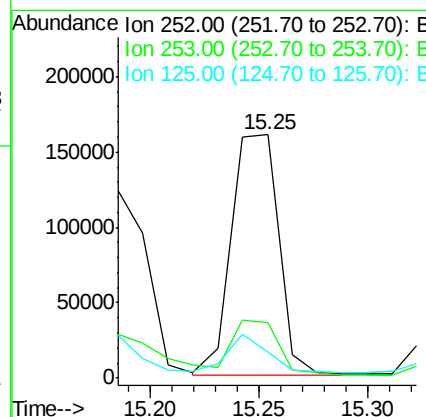
Manual Integrations  
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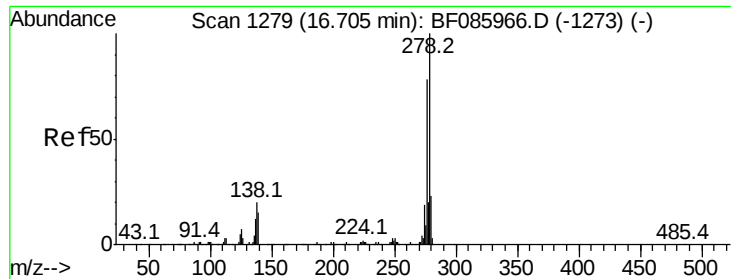
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4/8/2016 6:09:32 PM



#89  
Benzo(a)pyrene  
Concen: 25.24 ng  
RT: 15.25 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.4  | 26.0  |
| 125     | 10.5  | 10.3  | 15.5  |





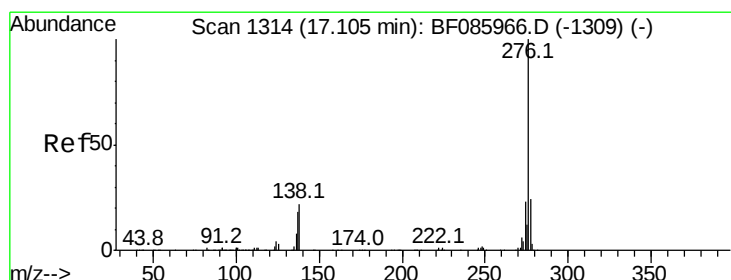
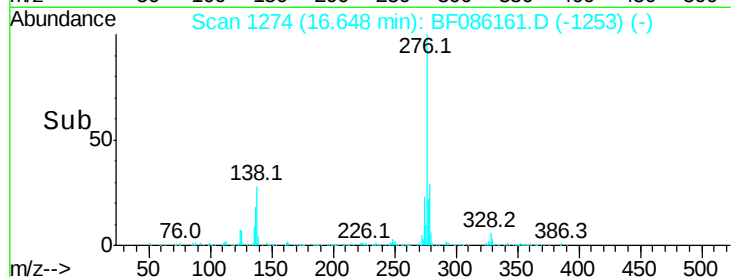
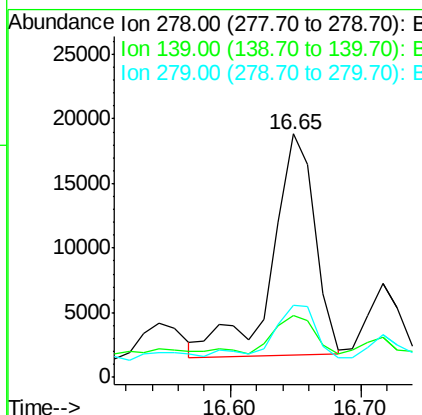
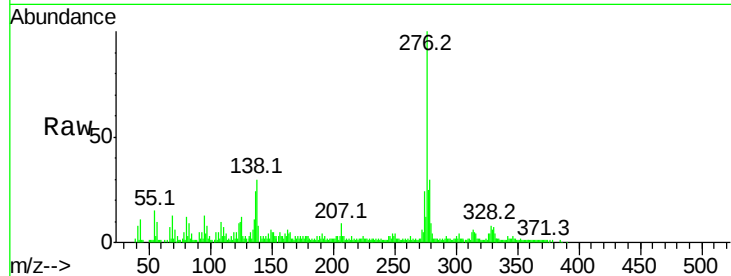
#90  
Dibenzo(a,h)anthracene  
Concen: 5.15 ng  
RT: 16.65 min Scan# 1274  
Delta R.T. -0.06 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

Instrument :  
BNA\_F  
ClientSampleId :  
PEDBR-SB3-0-6.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.5  | 14.4  | 21.6# |
| 279     | 29.8  | 19.1  | 28.7# |

Manual Integrations  
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#91  
Benzo(g,h,i)perylene  
Concen: 14.34 ng  
RT: 17.06 min Scan# 1310  
Delta R.T. -0.05 min  
Lab File: BF086161.D  
Acq: 8 Apr 2016 6:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.8  | 18.8  | 28.2  |
| 138     | 28.4  | 22.6  | 34.0  |

