

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073115\  
 Data File : BF080752.D  
 Acq On : 1 Aug 2015 00:31  
 Operator : TP/UM  
 Sample : G3127-01  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3RD-4(0-2)

Quant Time: Aug 01 01:58:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF073015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 31 01:45:22 2015  
 Response via : Initial Calibration

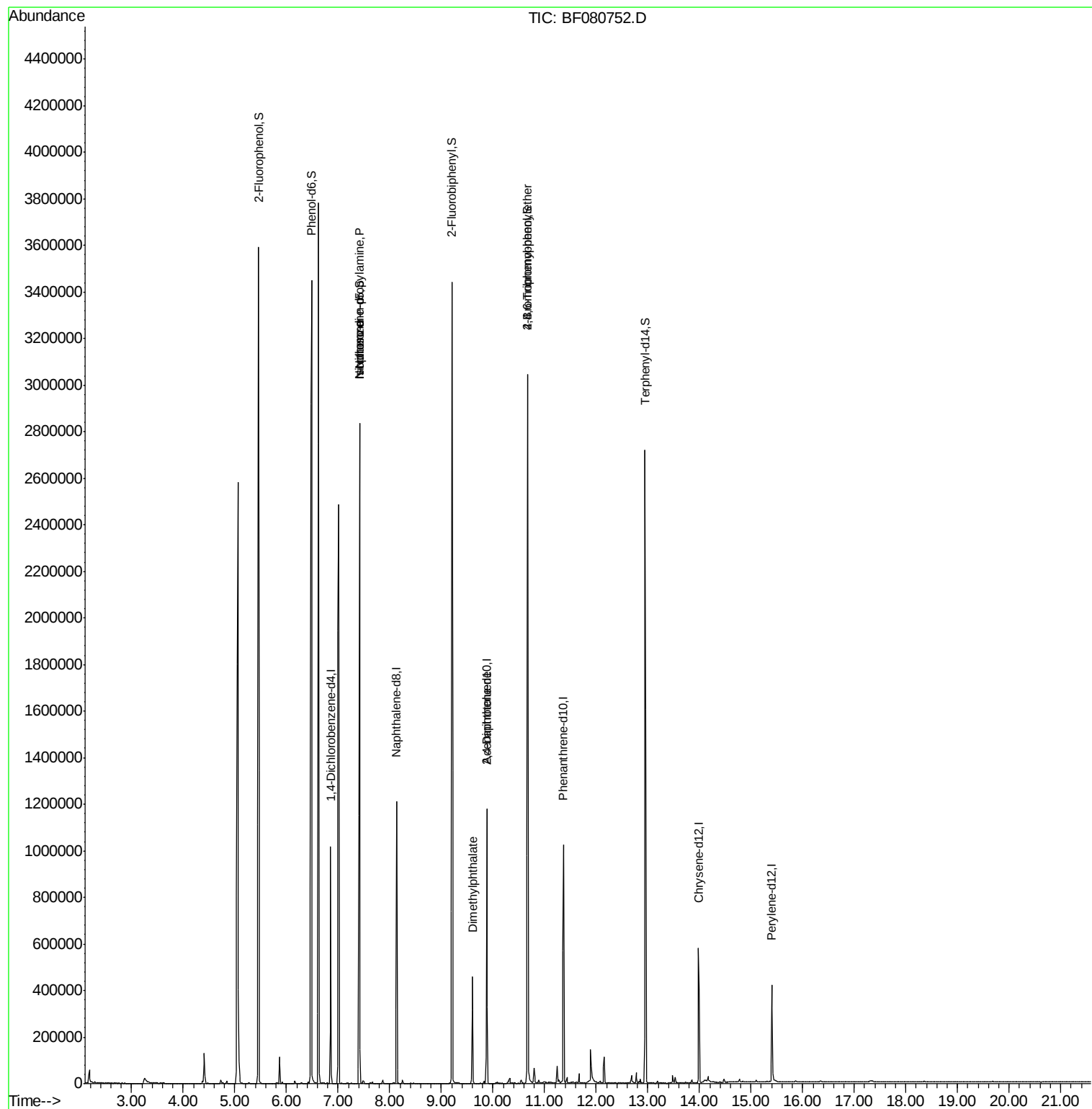
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 136016   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 493178   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.88  | 164  | 227755   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.37 | 188  | 444529   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.99 | 240  | 262824   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.40 | 264  | 231628   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 1029129  | 129.80    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 1615976  | 149.71    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 931560   | 91.47     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 337733   | 142.91    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1255835  | 82.26     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.95 | 244  | 1042794  | 75.04     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.49  | 77   | 2427     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 130763   | 17.99 ng  | #     | 73       |
| 25) Isophorone                 | 7.41  | 82   | 915818   | 50.57 ng  | #     | 71       |
| 49) Dimethylphthalate          | 9.61  | 163  | 240050   | 14.96 ng  |       | 98       |
| 56) 2,4-Dinitrotoluene         | 9.88  | 165  | 28271    | 6.33 ng   | #     | 16       |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 22176    | 4.83 ng   | #     | 1        |

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

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Misc :  
ALS Vial : 44 Sample Multiplier: 1

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BNA\_F  
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COFF-3RD-4(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 31 01:45:22 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

Instrument :

BNA\_F

ClientSampleId :

COFF-3RD-4(0-2)

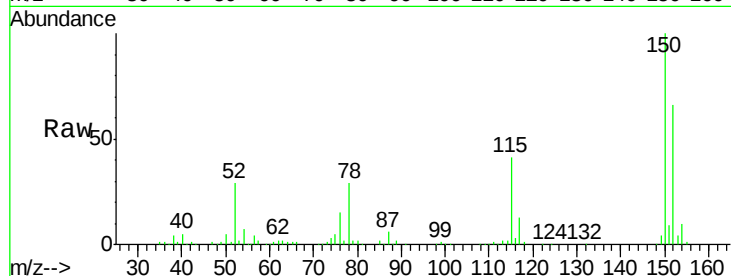
Tgt Ion:152 Resp: 136016

Ion Ratio Lower Upper

152 100

150 152.2 129.6 194.4

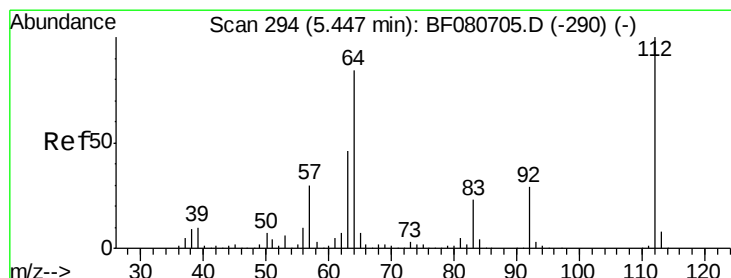
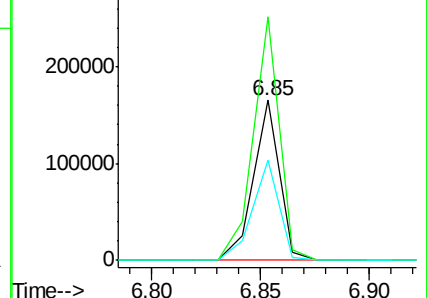
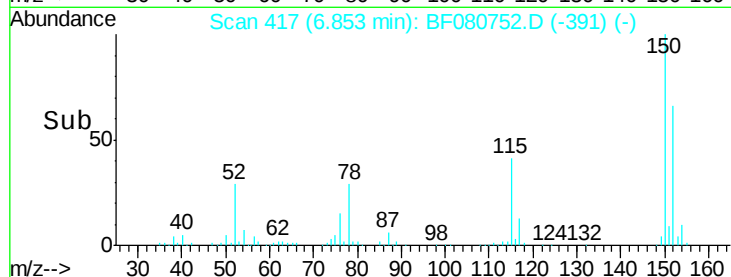
115 62.7 56.6 85.0



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



#5

2-Fluorophenol

Concen: 129.80 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

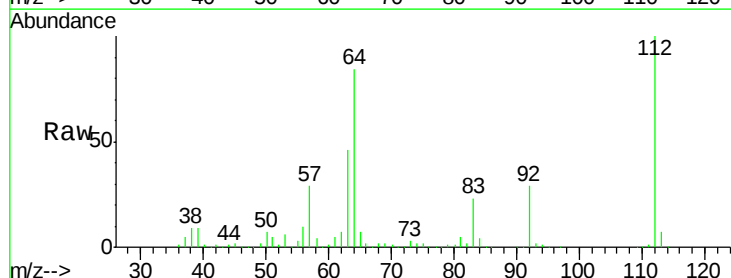
Tgt Ion:112 Resp: 1029129

Ion Ratio Lower Upper

112 100

64 83.8 66.8 100.2

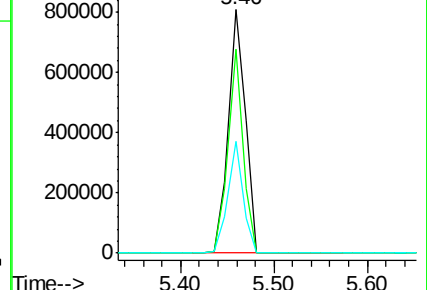
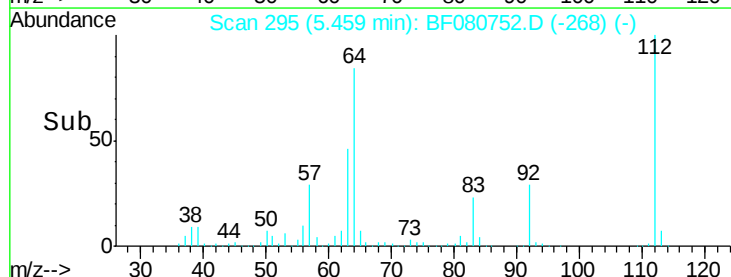
63 46.0 36.7 55.1

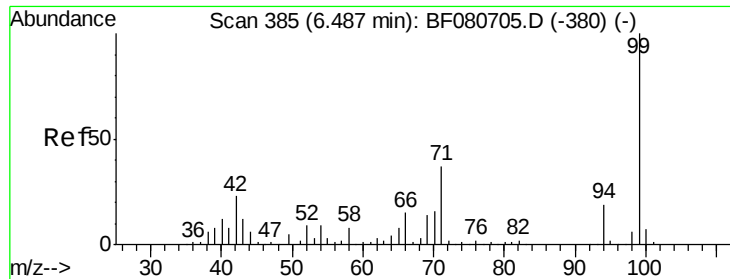


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 149.71 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

Instrument :

BNA\_F

ClientSampleId :

COFF-3RD-4(0-2)

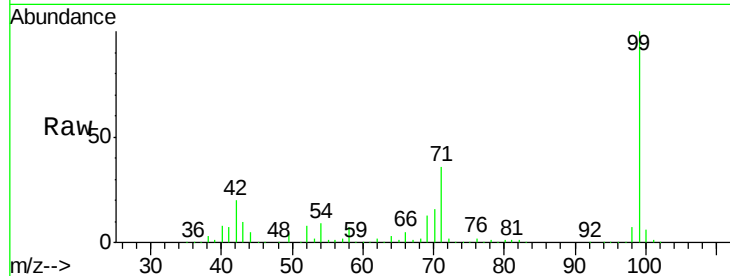
Tgt Ion: 99 Resp: 1615976

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

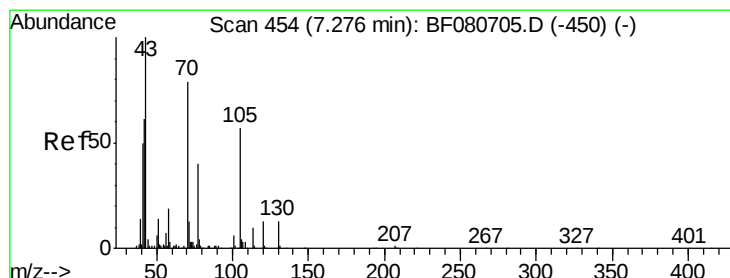
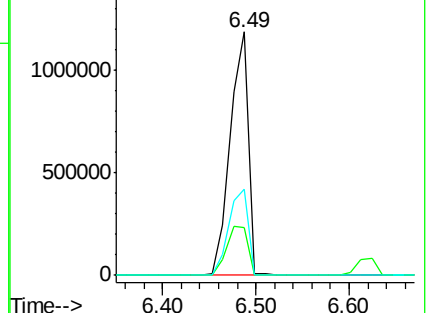
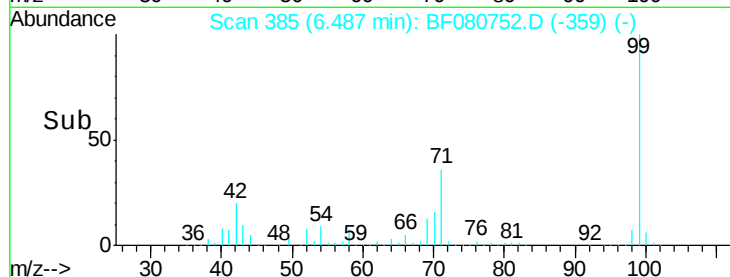
71 35.6 29.5 44.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.99 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

Tgt Ion: 70 Resp: 130763

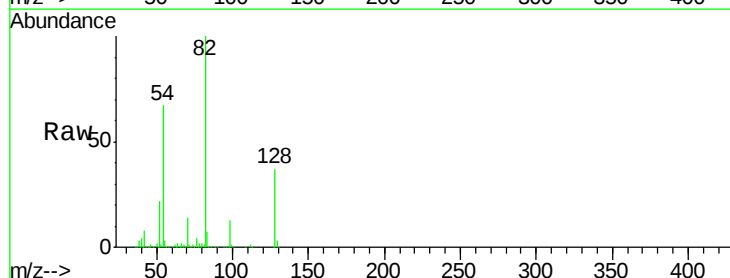
Ion Ratio Lower Upper

70 100

42 54.8 61.8 92.6#

101 0.0 6.1 9.1#

130 1.8 12.9 19.3#

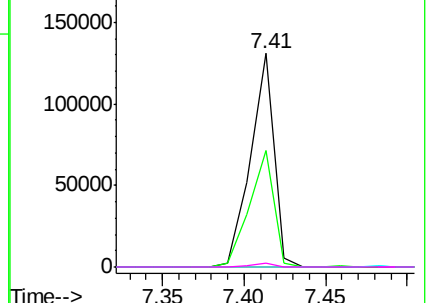
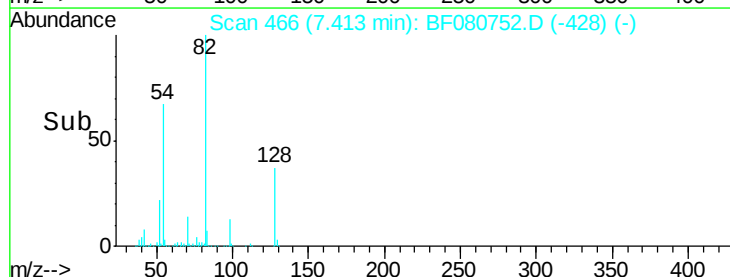


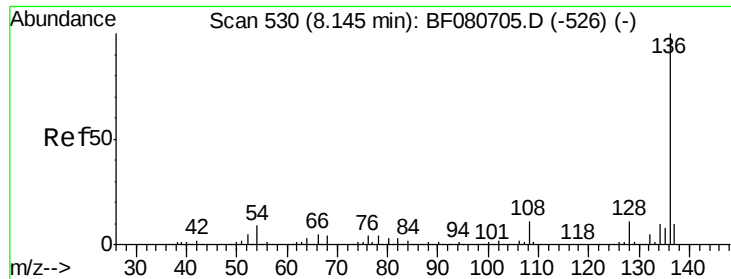
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

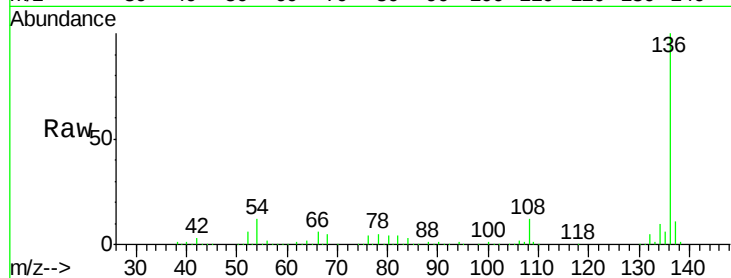




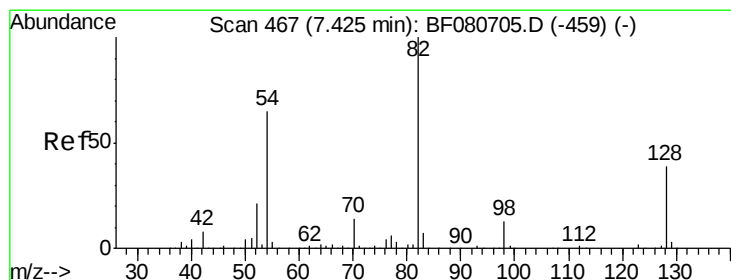
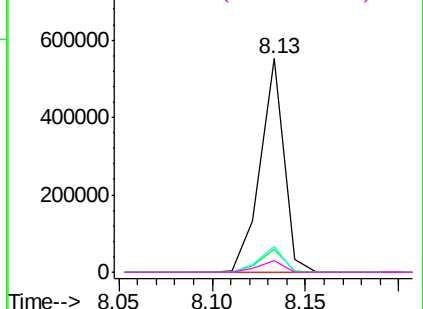
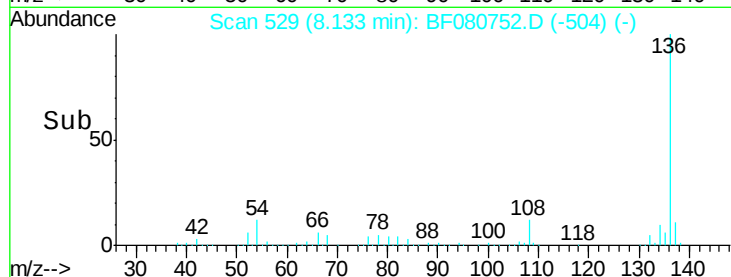
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 529  
Delta R.T. -0.01 min  
Lab File: BF080752.D  
Acq: 1 Aug 2015 00:31

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-3RD-4(0-2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 493178 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.4   | 12.6   |
| 54        | 11.9  | 6.9   | 10.3#  |
| 68        | 5.3   | 3.5   | 5.3#   |

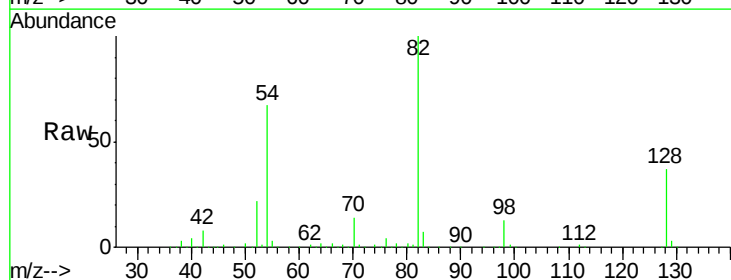


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

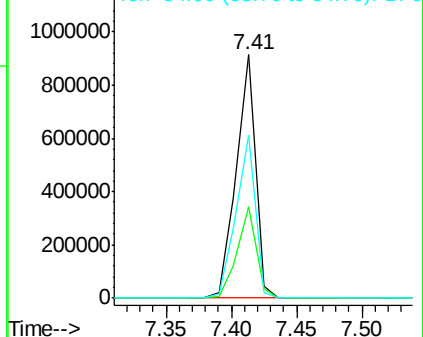
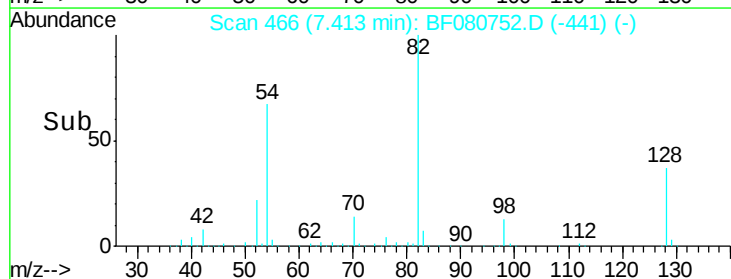


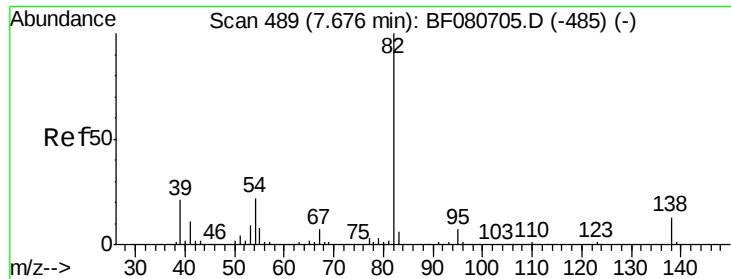
#23  
Nitrobenzene-d5  
Concen: 91.47 ng  
RT: 7.41 min Scan# 466  
Delta R.T. -0.01 min  
Lab File: BF080752.D  
Acq: 1 Aug 2015 00:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 931560 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.4  | 31.5  | 47.3   |
| 54        | 67.1  | 51.8  | 77.8   |



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





#25

Isophorone

Concen: 50.57 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

Instrument :

BNA\_F

ClientSampleId :

COFF-3RD-4(0-2)

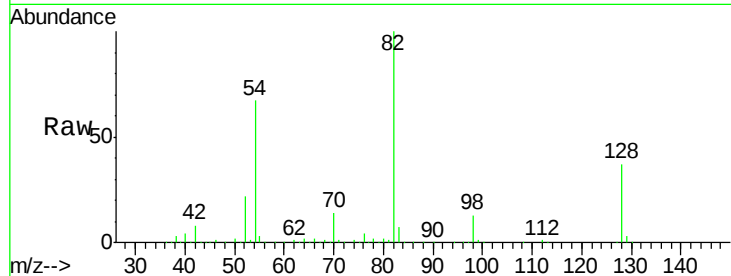
Tgt Ion: 82 Resp: 915818

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

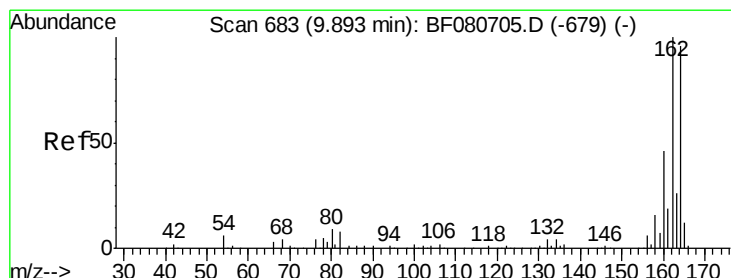
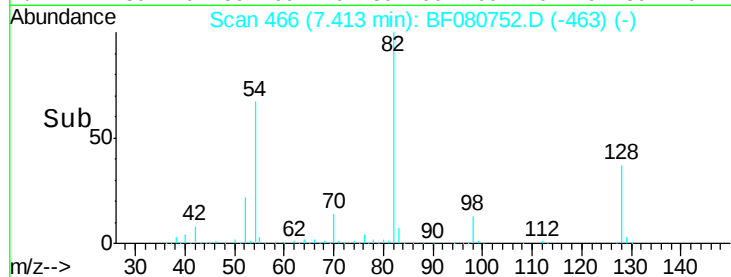
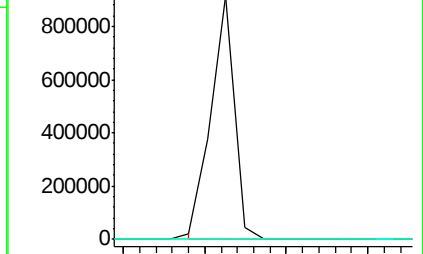
138 0.0 10.7 16.1#



Abundance Ion 82.00 (81.70 to 82.70): BF080752.D (-466) (-)

Ion 95.00 (94.70 to 95.70): BF080752.D (-466) (-)

Ion 138.00 (137.70 to 138.70): BF080752.D (-466) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

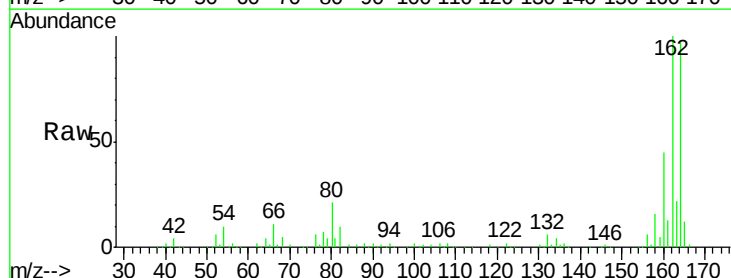
Tgt Ion: 164 Resp: 227755

Ion Ratio Lower Upper

164 100

162 102.9 83.4 125.0

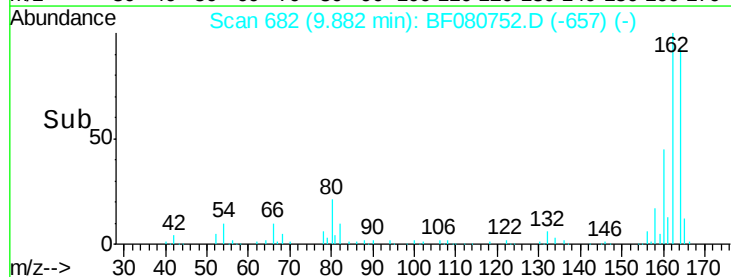
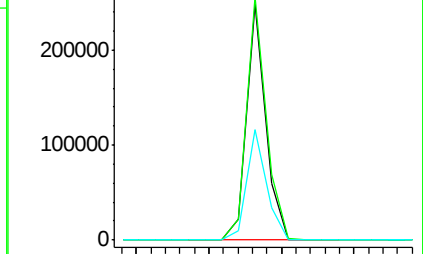
160 46.6 38.0 57.0

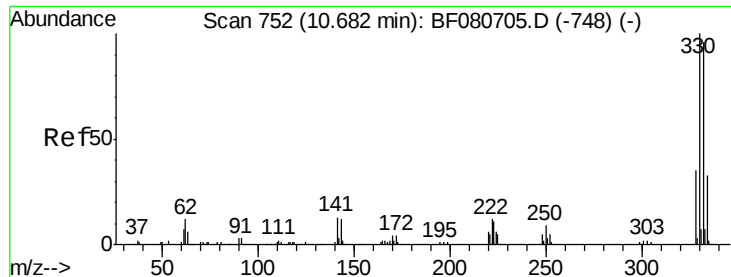


Abundance Ion 164.00 (163.70 to 164.70): BF080752.D (-657) (-)

Ion 162.00 (161.70 to 162.70): BF080752.D (-657) (-)

Ion 160.00 (159.70 to 160.70): BF080752.D (-657) (-)

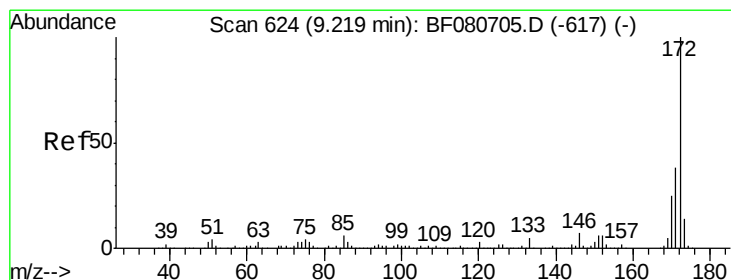
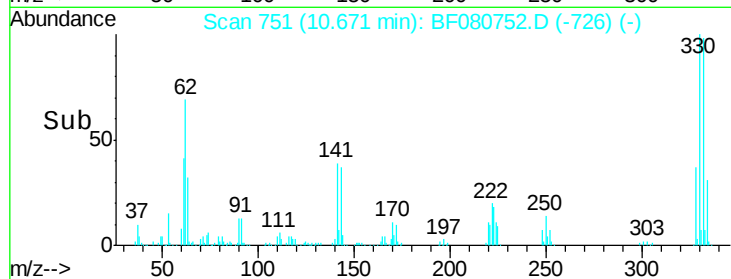
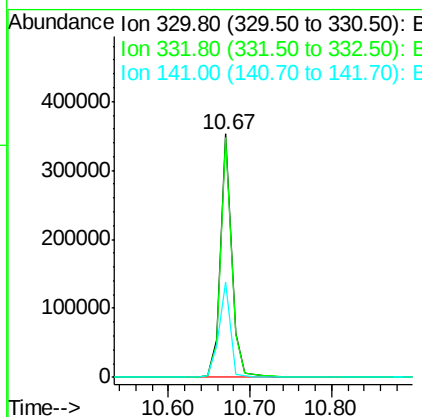
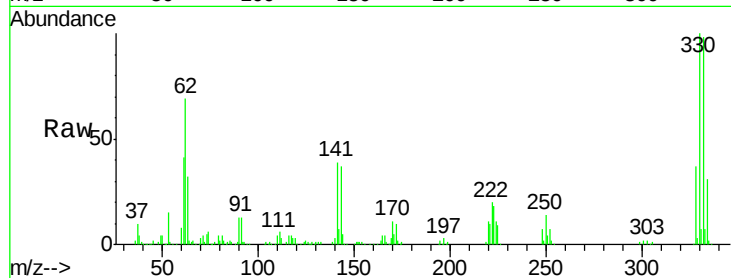




#41  
 2,4,6-Tribromophenol  
 Concen: 142.91 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF080752.D  
 Acq: 1 Aug 2015 00:31

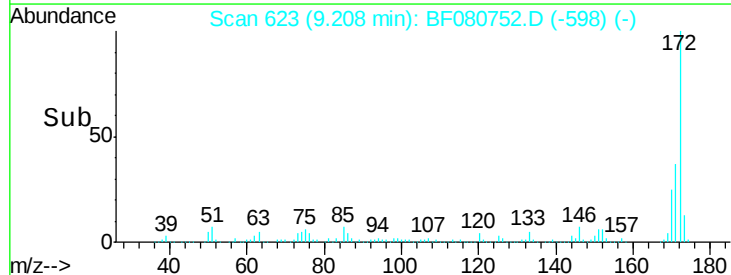
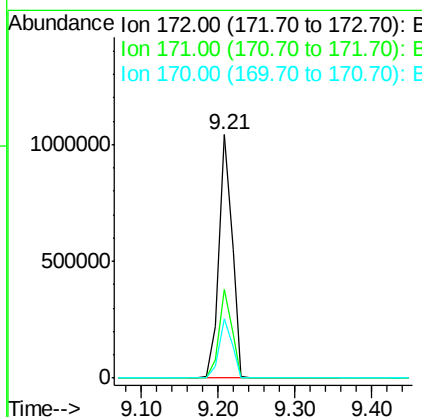
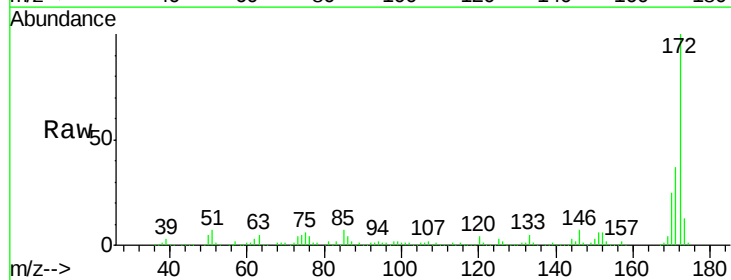
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3RD-4(0-2)

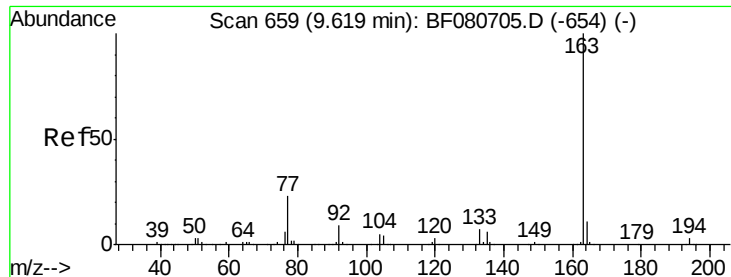
Tgt Ion:330 Resp: 337733  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 114.8  
 141 40.1 26.0 39.0#



#44  
 2-Fluorobiphenyl  
 Concen: 82.26 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF080752.D  
 Acq: 1 Aug 2015 00:31

Tgt Ion:172 Resp: 1255835  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 30.2 45.4  
 170 24.5 20.2 30.2

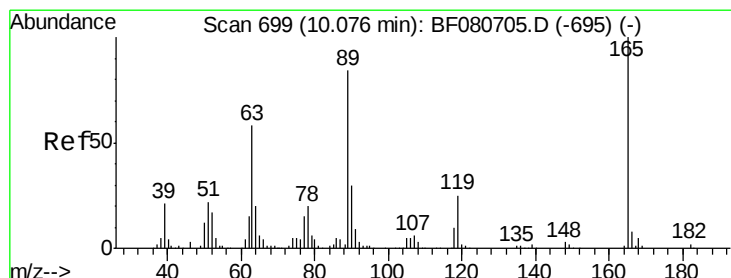
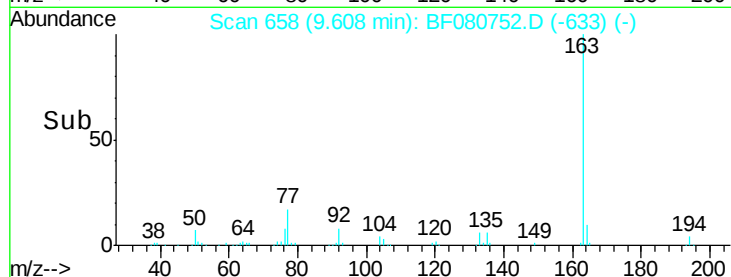
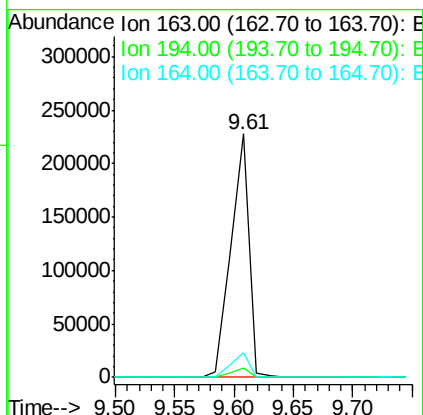
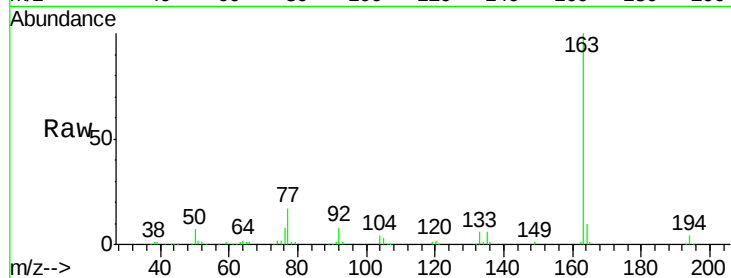




#49  
Dimethylphthalate  
Concen: 14.96 ng  
RT: 9.61 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: BF080752.D  
Acq: 1 Aug 2015 00:31

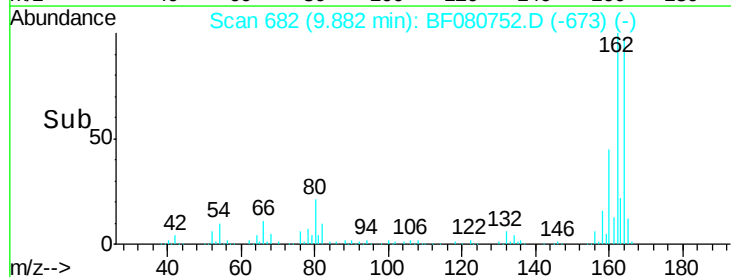
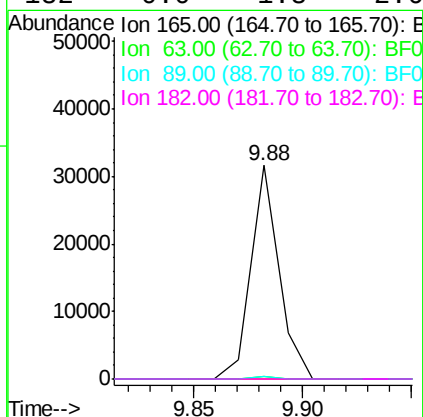
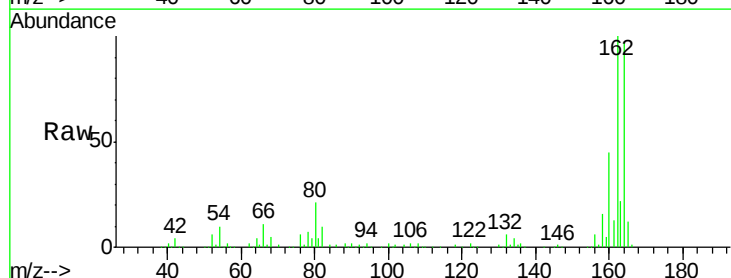
Instrument :  
BNA\_F  
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COFF-3RD-4(0-2)

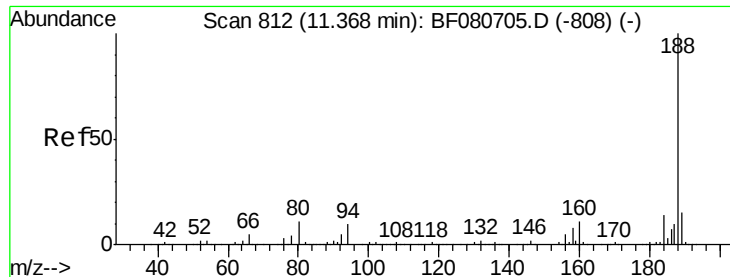
Tgt Ion:163 Resp: 240050  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 10.0 8.7 13.1



#56  
2,4-Dinitrotoluene  
Concen: 6.33 ng  
RT: 9.88 min Scan# 682  
Delta R.T. -0.19 min  
Lab File: BF080752.D  
Acq: 1 Aug 2015 00:31

Tgt Ion:165 Resp: 28271  
Ion Ratio Lower Upper  
165 100  
63 1.1 46.7 70.1#  
89 1.4 67.4 101.2#  
182 0.0 1.8 2.6#

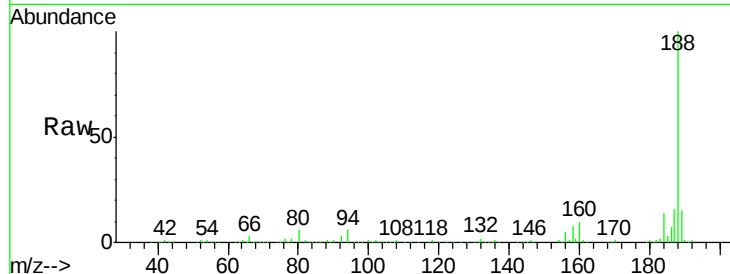




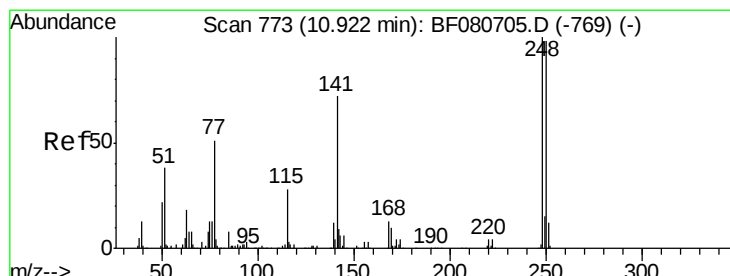
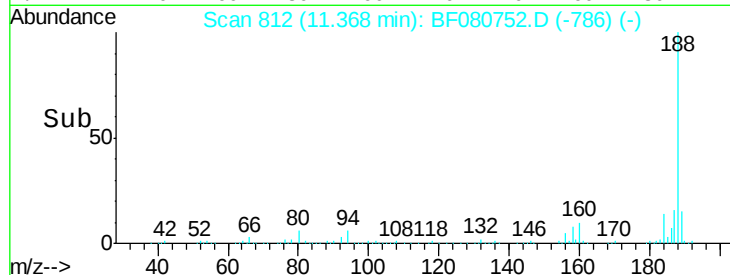
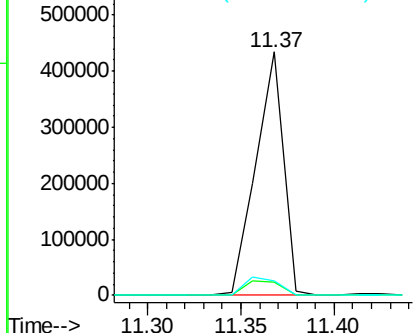
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.37 min Scan# 812  
 Delta R.T. -0.00 min  
 Lab File: BF080752.D  
 Acq: 1 Aug 2015 00:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3RD-4(0-2)

Tgt Ion:188 Resp: 444529  
 Ion Ratio Lower Upper  
 188 100  
 94 5.6 8.1 12.1#  
 80 6.2 9.1 13.7#

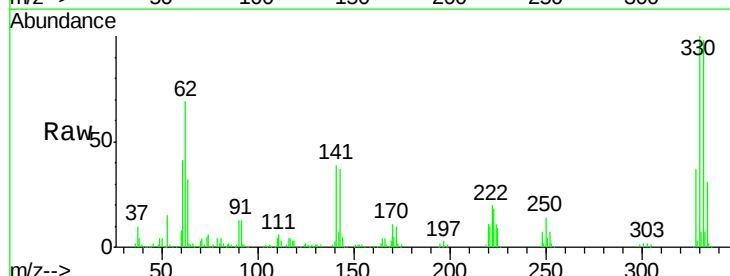


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

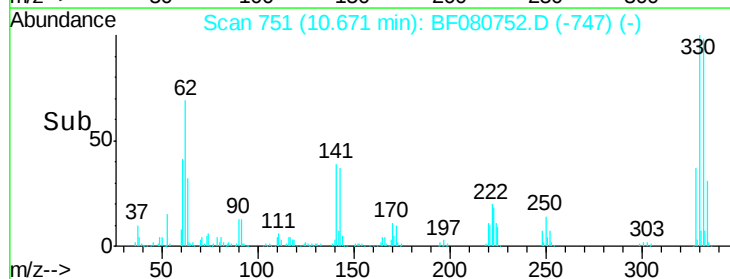
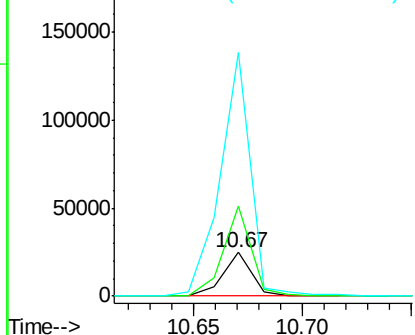


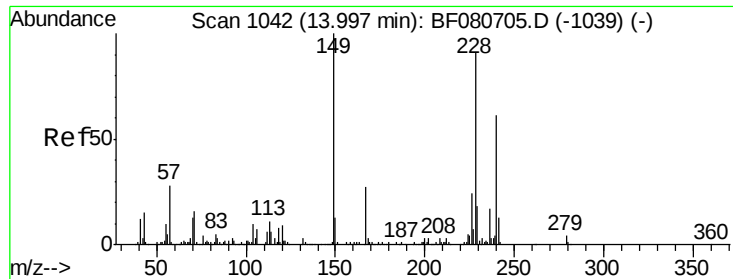
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.83 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.25 min  
 Lab File: BF080752.D  
 Acq: 1 Aug 2015 00:31

Tgt Ion:248 Resp: 22176  
 Ion Ratio Lower Upper  
 248 100  
 250 207.1 78.4 117.6#  
 141 560.9 57.5 86.3#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

Instrument :

BNA\_F

ClientSampleId :

COFF-3RD-4(0-2)

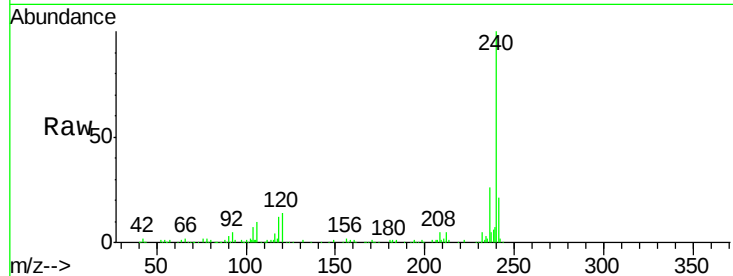
Tgt Ion:240 Resp: 262824

Ion Ratio Lower Upper

240 100

120 14.0 11.8 17.8

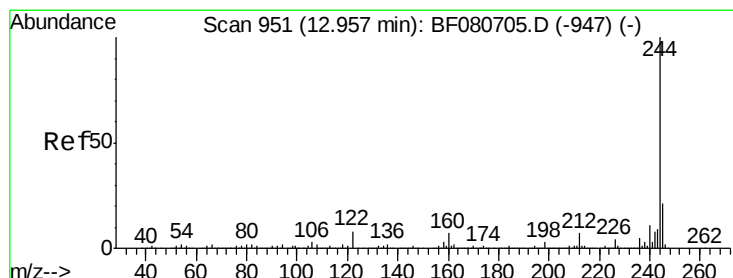
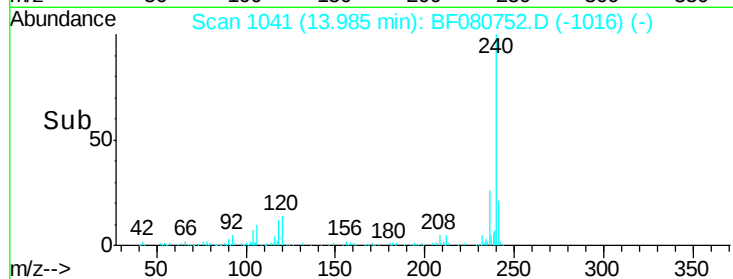
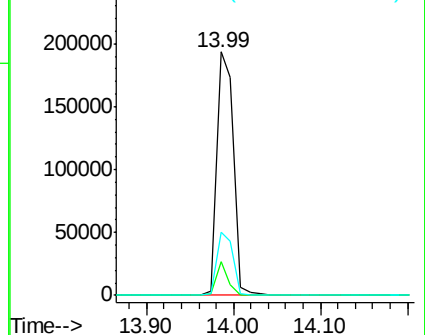
236 26.0 21.8 32.8



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



#78

Terphenyl-d14

Concen: 75.04 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF080752.D

Acq: 1 Aug 2015 00:31

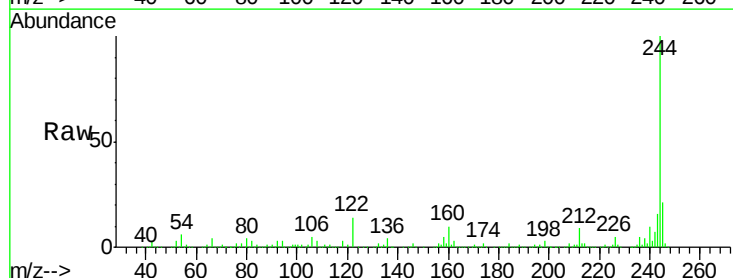
Tgt Ion:244 Resp: 1042794

Ion Ratio Lower Upper

244 100

212 8.6 5.9 8.9

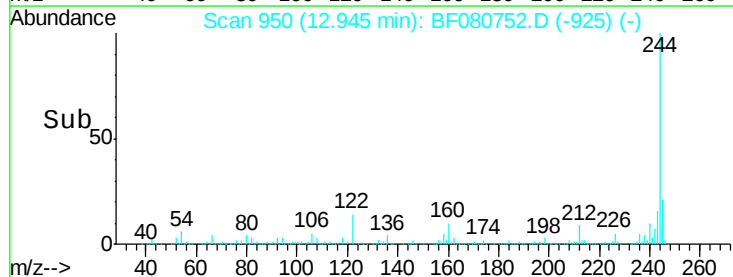
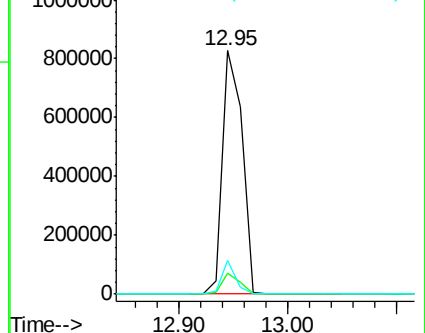
122 13.7 6.6 9.8#

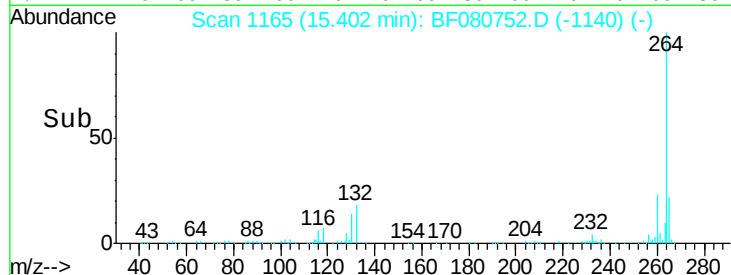
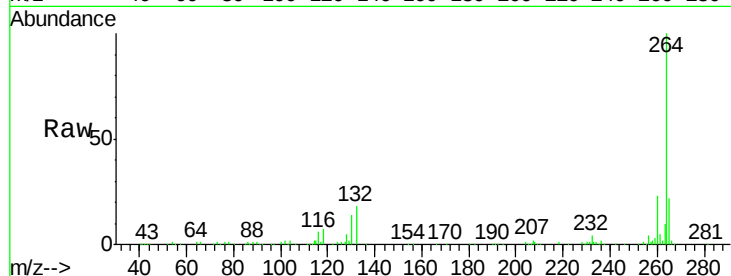
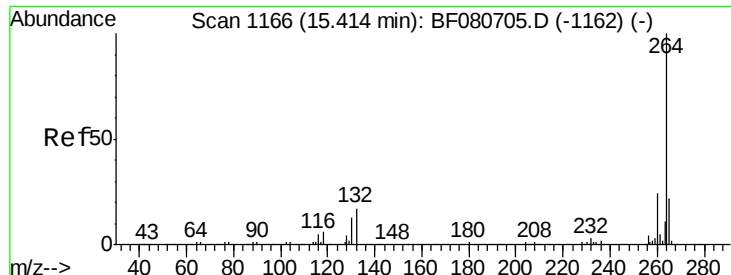


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1165  
Delta R.T. -0.01 min  
Lab File: BF080752.D  
Acq: 1 Aug 2015 00:31

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-3RD-4(0-2)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 231628 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.3  | 19.4  | 29.0   |
| 265      | 22.3  | 17.3  | 25.9   |

