

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102315\  
 Data File : BF082515.D  
 Acq On : 24 Oct 2015 15:53  
 Operator : UM/IZ  
 Sample : G4117-17RE  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-03(0-2)

Quant Time: Oct 24 23:26:05 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 23 15:17:13 2015  
 Response via : Initial Calibration

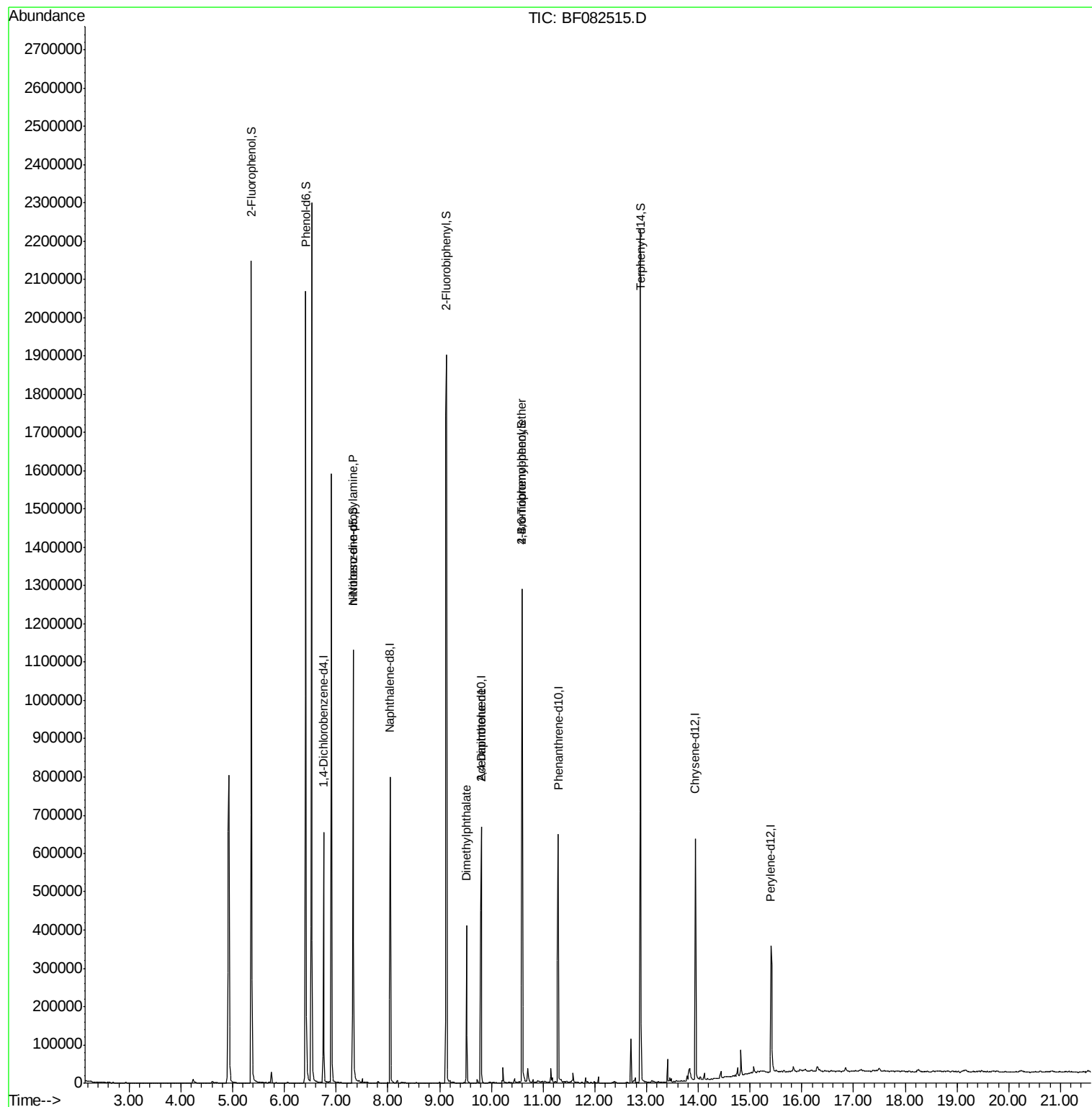
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 100468   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 392385   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.81  | 164  | 175960   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.29 | 188  | 306763   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.94 | 240  | 237505   | 20.00  | ng    | -0.09    |
| 86) Perylene-d12               | 15.41 | 264  | 186837   | 20.00  | ng    | -0.22    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 631618   | 126.88 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.41  | 99   | 829026   | 127.97 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 433022   | 74.11  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.59 | 330  | 134491   | 81.50  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 965756   | 91.02  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.88 | 244  | 730253   | 81.48  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 57060    | 12.54  | ng    | # 79     |
| 49) Dimethylphthalate          | 9.52  | 163  | 184350   | 14.88  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.81  | 165  | 22285    | 6.82   | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.59 | 248  | 10580    | 3.45   | ng    | # 1      |

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

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COFF-03(0-2)

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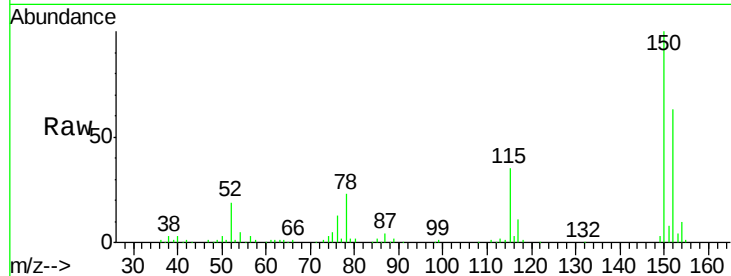




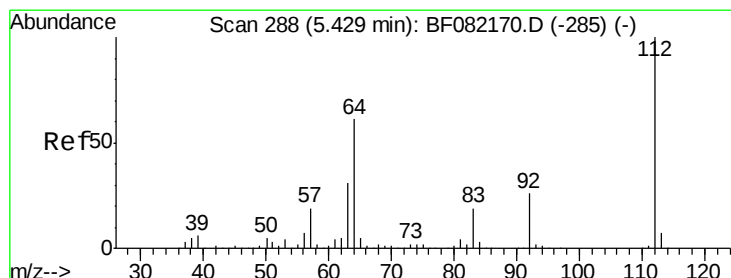
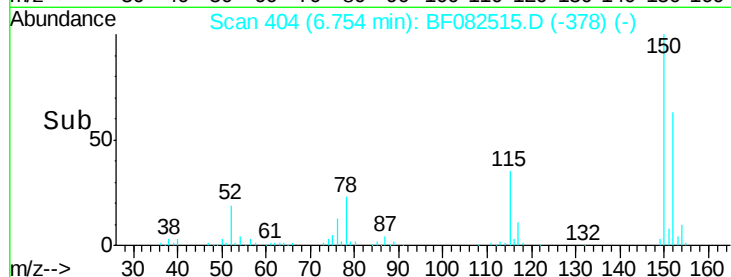
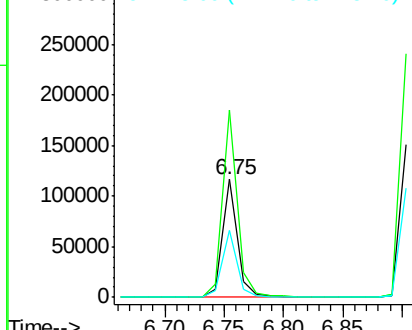
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.75 min Scan# 404  
 Delta R.T. -0.00 min  
 Lab File: BF082515.D  
 Acq: 24 Oct 2015 15:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-03(0-2)

Tgt Ion:152 Resp: 100468  
 Ion Ratio Lower Upper  
 152 100  
 150 159.1 129.0 193.4  
 115 56.4 52.1 78.1

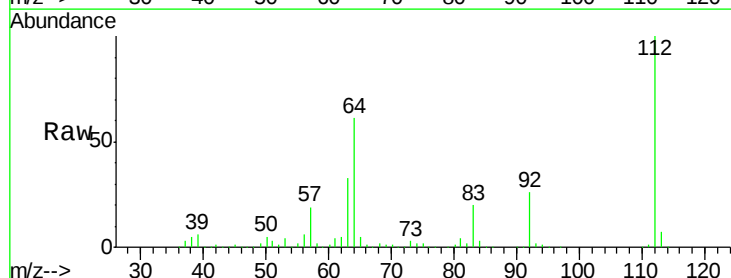


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

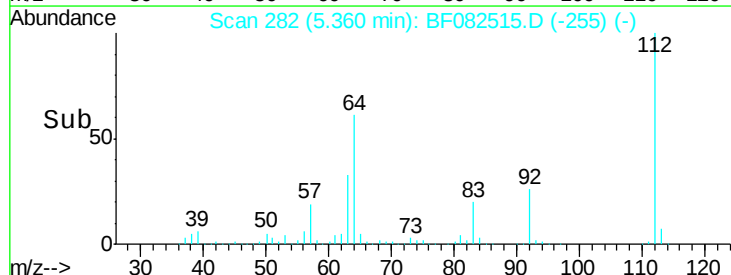
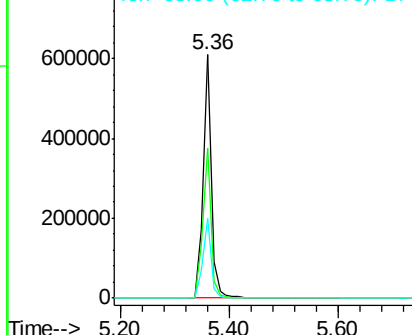


#5  
 2-Fluorophenol  
 Concen: 126.88 ng  
 RT: 5.36 min Scan# 282  
 Delta R.T. 0.01 min  
 Lab File: BF082515.D  
 Acq: 24 Oct 2015 15:53

Tgt Ion:112 Resp: 631618  
 Ion Ratio Lower Upper  
 112 100  
 64 61.4 48.6 73.0  
 63 32.6 25.1 37.7



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: 127.97 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082515.D

Acq: 24 Oct 2015 15:53

Instrument :

BNA\_F

ClientSampleId :

COFF-03(0-2)

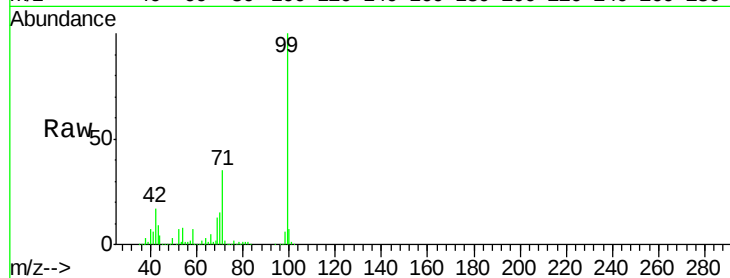
Tgt Ion: 99 Resp: 829026

Ion Ratio Lower Upper

99 100

42 17.5 13.2 19.8

71 35.1 25.6 38.4



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

1000000

800000

600000

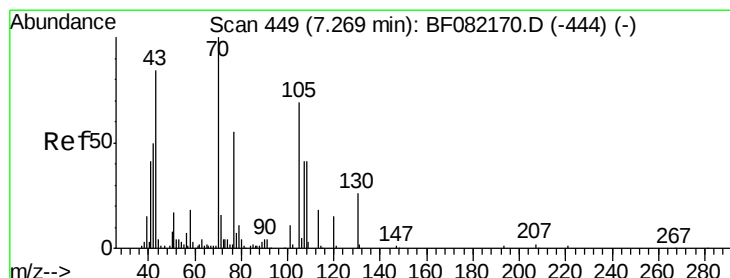
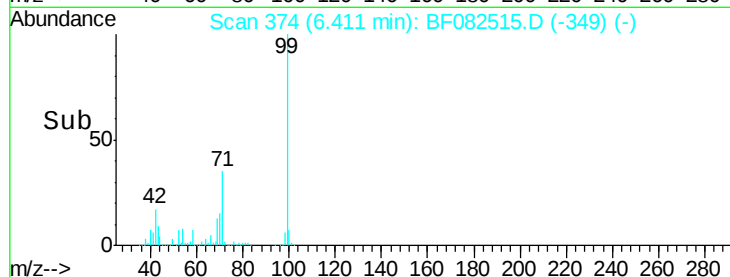
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.54 ng

RT: 7.33 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF082515.D

Acq: 24 Oct 2015 15:53

Tgt Ion: 70 Resp: 57060

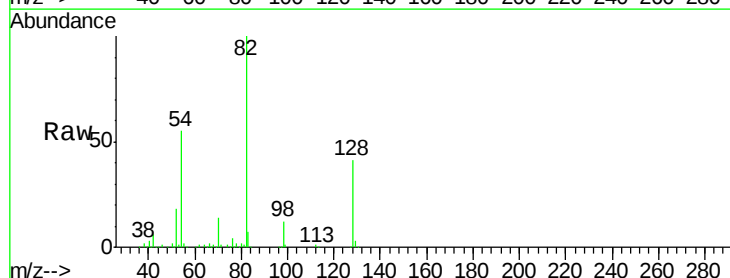
Ion Ratio Lower Upper

70 100

42 45.6 39.8 59.8

101 0.0 8.6 13.0#

130 2.0 20.5 30.7#



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): E

Ion 130.00 (129.70 to 130.70): E

80000

60000

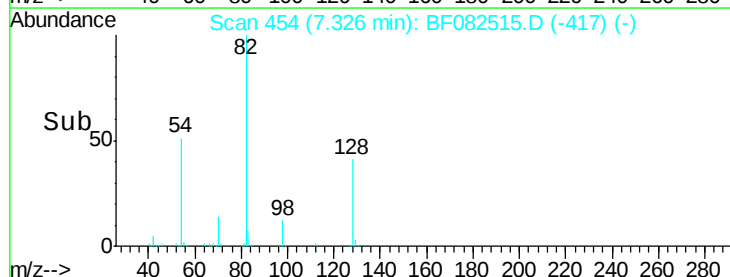
40000

20000

0

7.30 7.40

Time-->

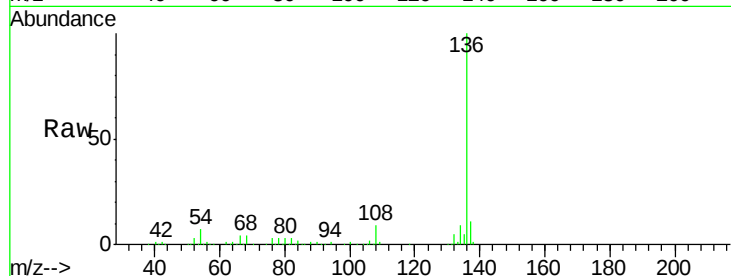




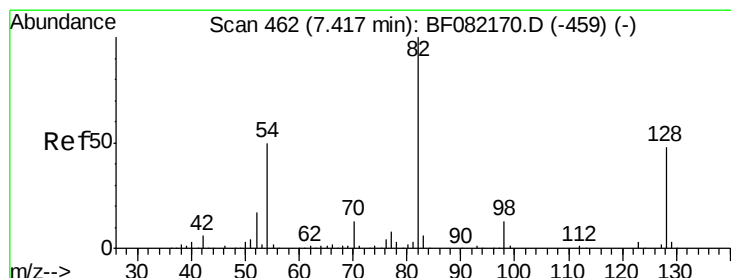
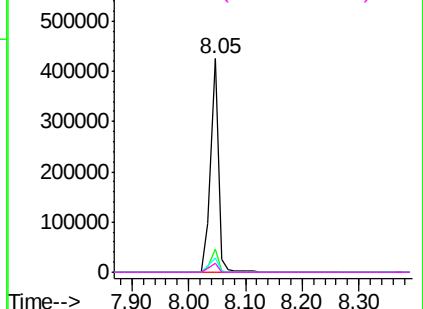
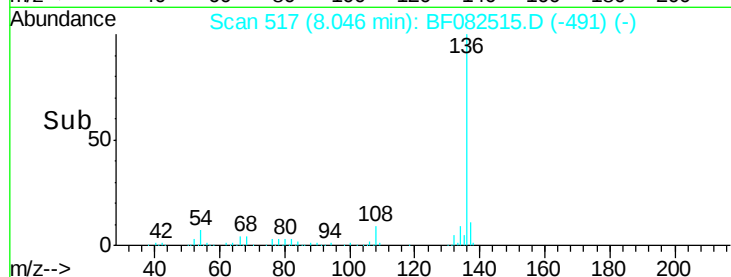
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.05 min Scan# 517  
Delta R.T. -0.00 min  
Lab File: BF082515.D  
Acq: 24 Oct 2015 15:53

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-03(0-2)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 392385 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.0   | 13.6   |
| 54       | 6.6   | 7.5   | 11.3#  |
| 68       | 4.3   | 4.6   | 7.0#   |

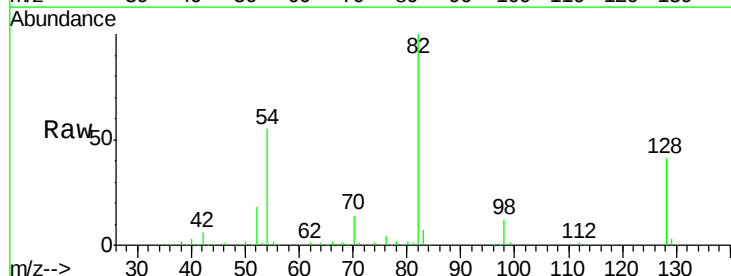


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

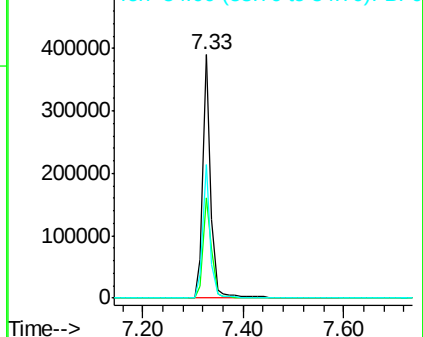
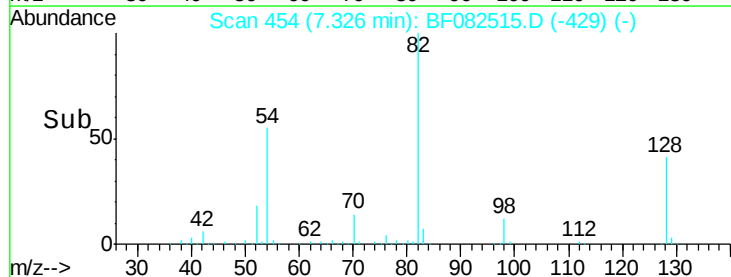


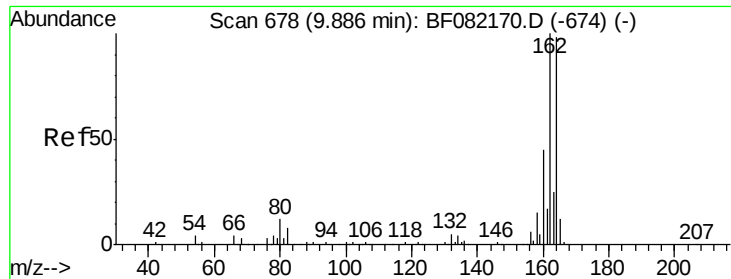
#23  
Nitrobenzene-d5  
Concen: 74.11 ng  
RT: 7.33 min Scan# 454  
Delta R.T. -0.01 min  
Lab File: BF082515.D  
Acq: 24 Oct 2015 15:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 433022 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.3  | 38.7  | 58.1   |
| 54       | 55.0  | 40.1  | 60.1   |



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF082515.D

Acq: 24 Oct 2015 15:53

Instrument :

BNA\_F

ClientSampleId :

COFF-03(0-2)

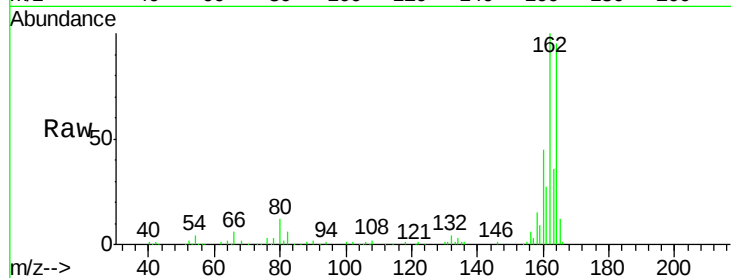
Tgt Ion:164 Resp: 175960

Ion Ratio Lower Upper

164 100

162 105.3 81.6 122.4

160 47.1 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

200000

150000

100000

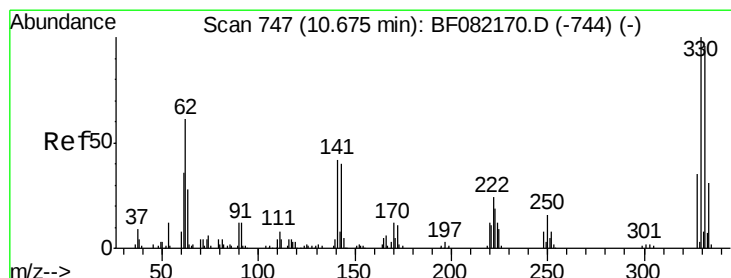
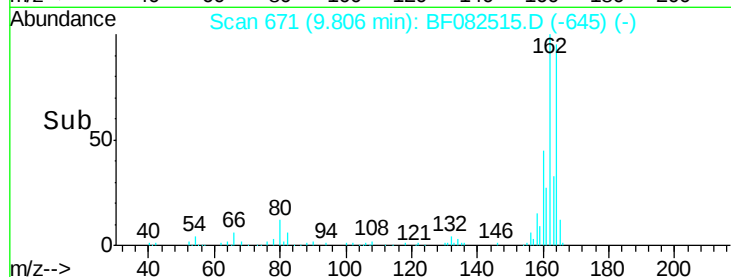
50000

0

9.81

9.70 9.75 9.80 9.85 9.90

Time-->



#41

2,4,6-Tribromophenol

Concen: 81.50 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF082515.D

Acq: 24 Oct 2015 15:53

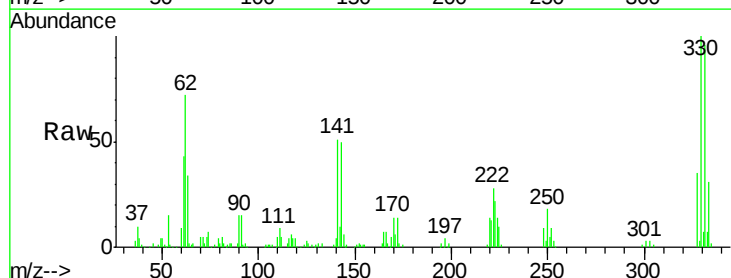
Tgt Ion:330 Resp: 134491

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 46.5 29.8 44.8#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

150000

100000

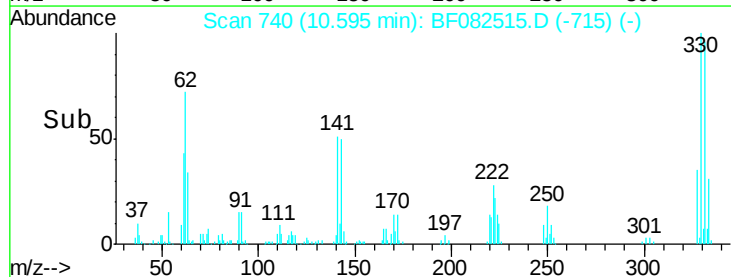
50000

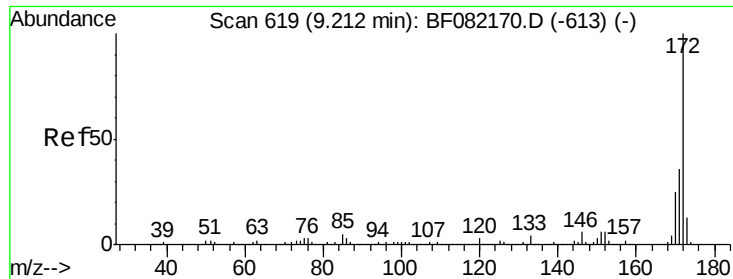
0

10.59

10.50 10.60 10.70 10.80

Time-->

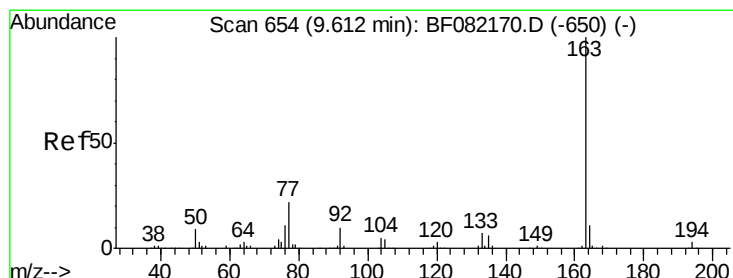
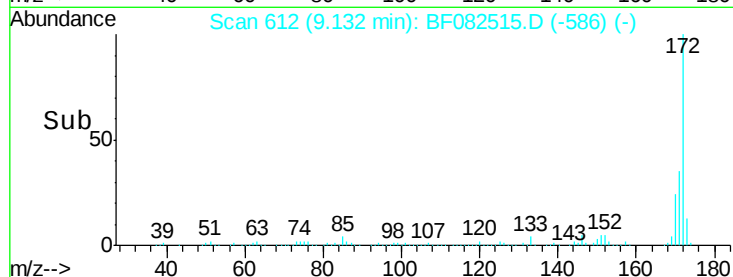
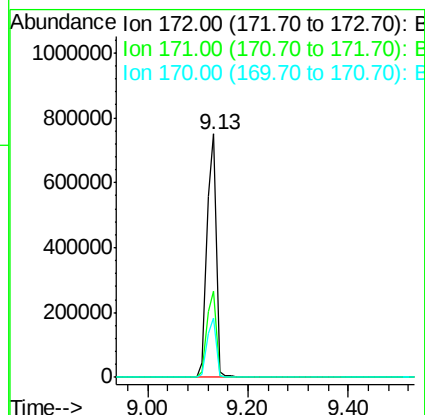
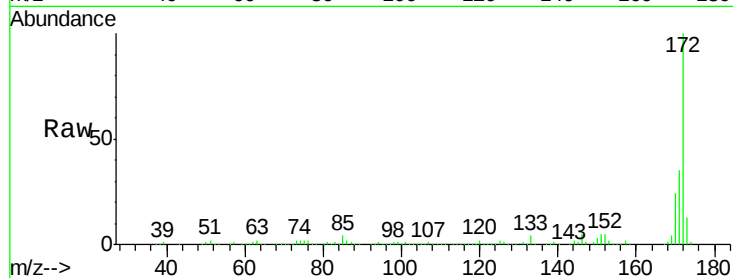




#44  
 2-Fluorobiphenyl  
 Concen: 91.02 ng  
 RT: 9.13 min Scan# 612  
 Delta R.T. -0.00 min  
 Lab File: BF082515.D  
 Acq: 24 Oct 2015 15:53

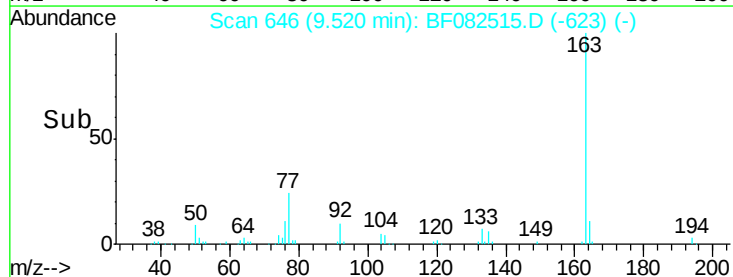
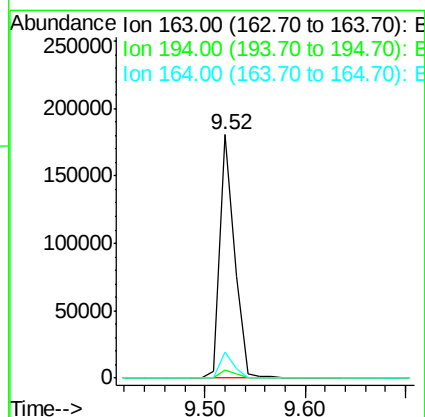
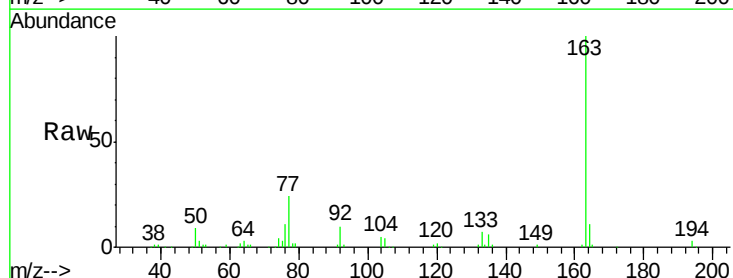
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-03(0-2)

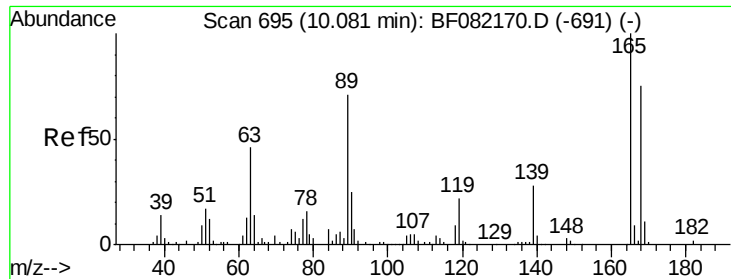
Tgt Ion:172 Resp: 965756  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.6 42.8  
 170 24.3 19.7 29.5



#49  
 Dimethylphthalate  
 Concen: 14.88 ng  
 RT: 9.52 min Scan# 646  
 Delta R.T. -0.03 min  
 Lab File: BF082515.D  
 Acq: 24 Oct 2015 15:53

Tgt Ion:163 Resp: 184350  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 2.6 4.0  
 164 10.8 8.5 12.7

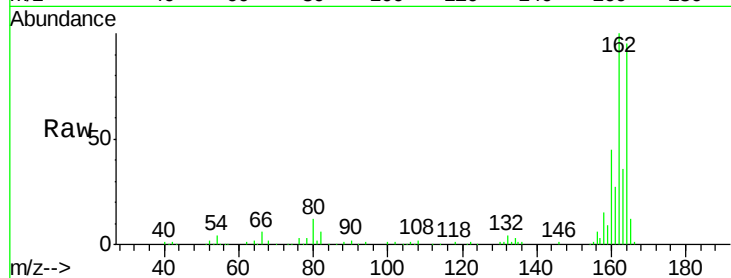




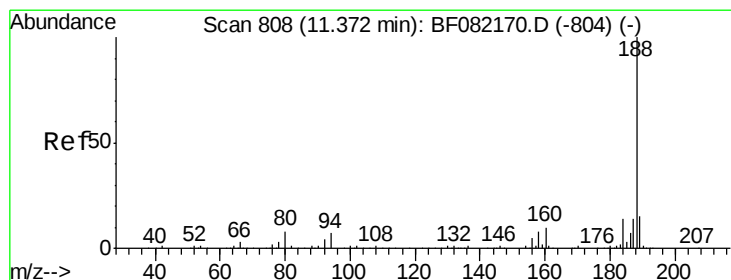
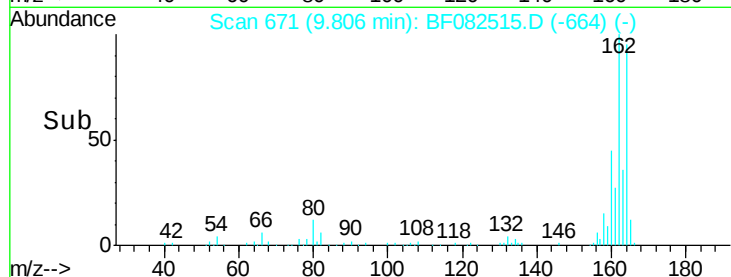
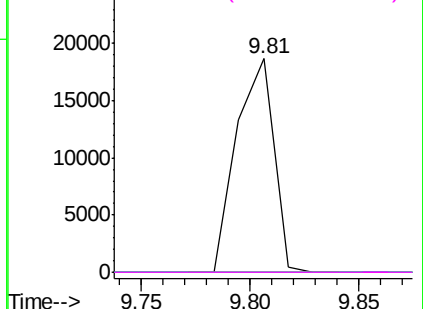
#56  
2,4-Dinitrotoluene  
Concen: 6.82 ng  
RT: 9.81 min Scan# 671  
Delta R.T. -0.22 min  
Lab File: BF082515.D  
Acq: 24 Oct 2015 15:53

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-03(0-2)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 22285 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 38.6  | 58.0# |
| 89        | 0.0   | 57.0  | 85.6# |
| 182       | 0.0   | 1.8   | 2.6#  |

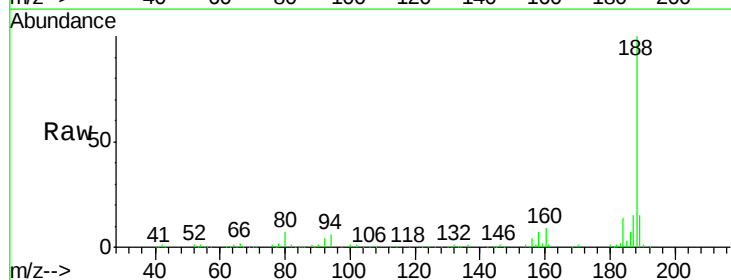


Abundance Ion 165.00 (164.70 to 165.70): E

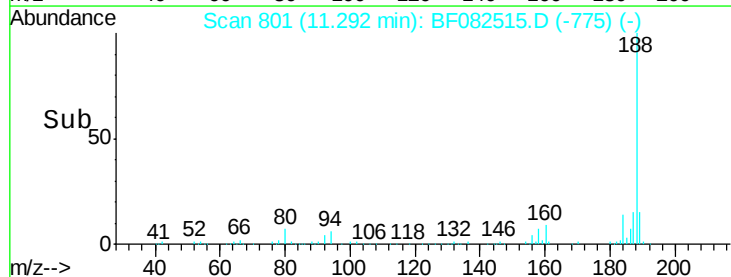
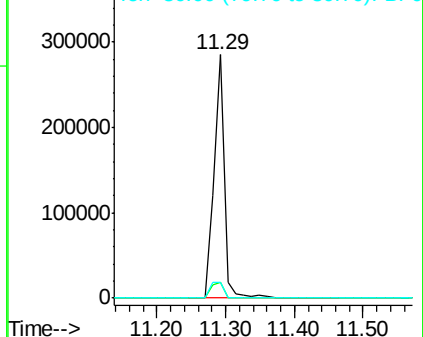


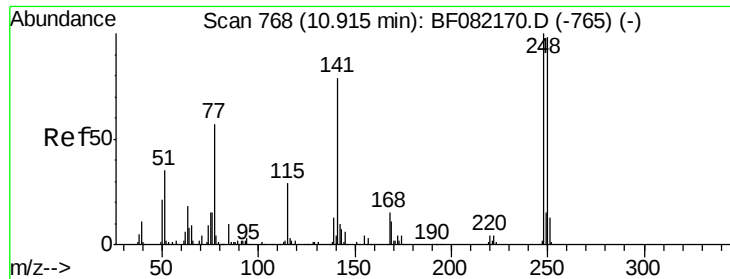
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.29 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: BF082515.D  
Acq: 24 Oct 2015 15:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 306763 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.4   | 5.8   | 8.6    |
| 80        | 6.6   | 6.4   | 9.6    |



Abundance Ion 188.00 (187.70 to 188.70): E

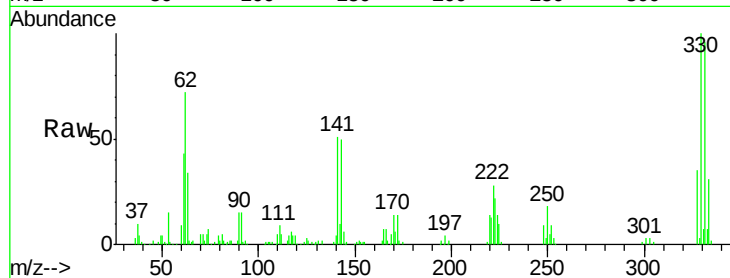




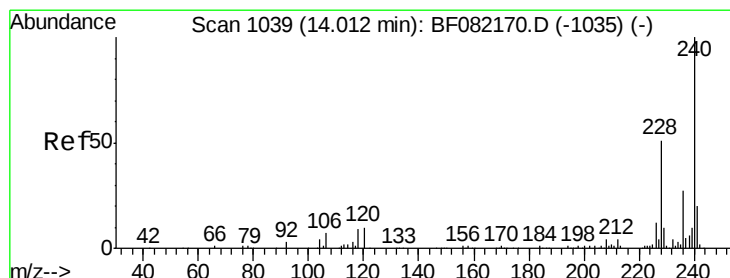
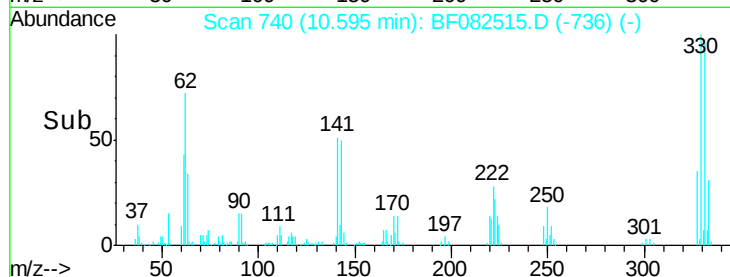
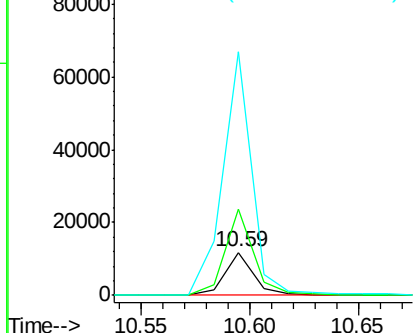
#66  
4-Bromophenyl-phenylether  
Concen: 3.45 ng  
RT: 10.59 min Scan# 740  
Delta R.T. -0.25 min  
Lab File: BF082515.D  
Acq: 24 Oct 2015 15:53

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-03(0-2)

Tgt Ion:248 Resp: 10580  
Ion Ratio Lower Upper  
248 100  
250 202.1 78.6 117.8#  
141 571.0 63.3 94.9#

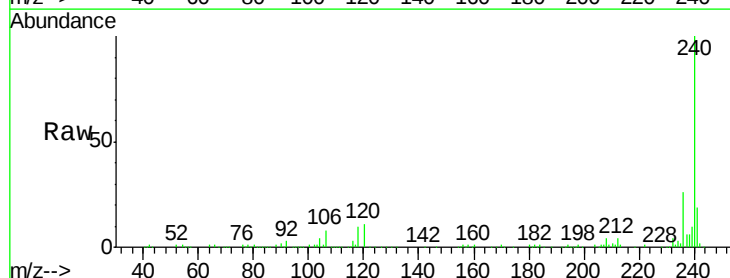


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

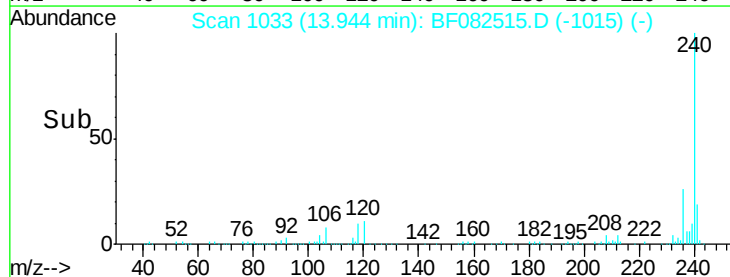
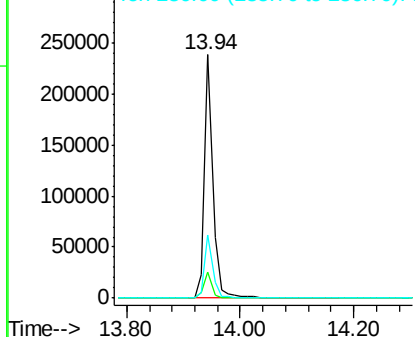


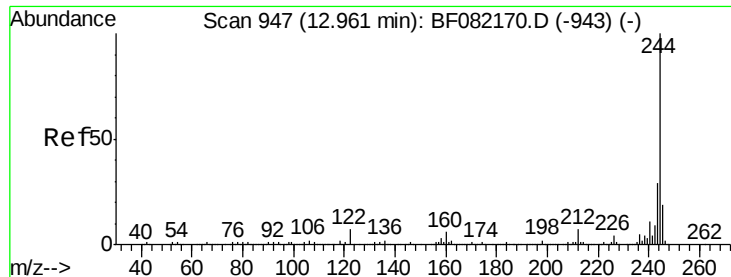
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.94 min Scan# 1033  
Delta R.T. -0.09 min  
Lab File: BF082515.D  
Acq: 24 Oct 2015 15:53

Tgt Ion:240 Resp: 237505  
Ion Ratio Lower Upper  
240 100  
120 10.8 8.1 12.1  
236 25.9 21.3 31.9



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

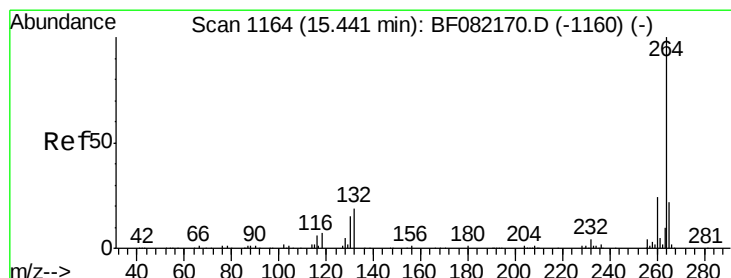
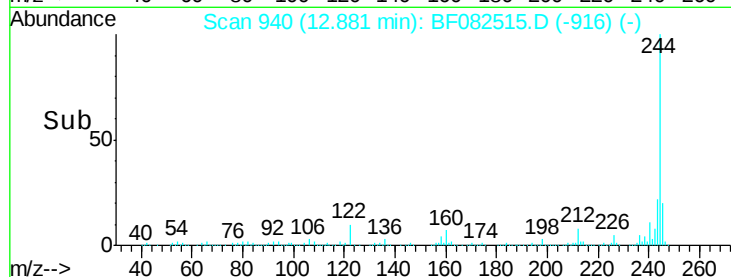
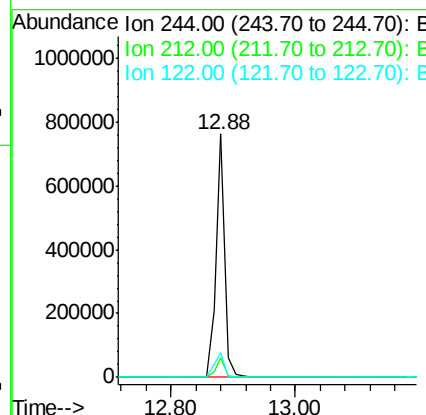
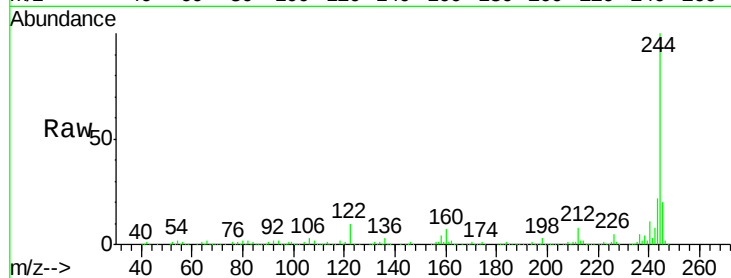




#78  
 Terphenyl-d14  
 Concen: 81.48 ng  
 RT: 12.88 min Scan# 940  
 Delta R.T. -0.02 min  
 Lab File: BF082515.D  
 Acq: 24 Oct 2015 15:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-03(0-2)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 5.8   | 8.6   |
| 122     | 10.3  | 5.9   | 8.9#  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.41 min Scan# 1161  
 Delta R.T. -0.22 min  
 Lab File: BF082515.D  
 Acq: 24 Oct 2015 15:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.0  | 28.6  |
| 265     | 21.6  | 17.3  | 25.9  |

