

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090115\  
 Data File : BF081322.D  
 Acq On : 2 Sep 2015 00:44  
 Operator : UM/IZ  
 Sample : G3479-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-5(0-2)

Quant Time: Sep 02 02:46:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 17:35:35 2015  
 Response via : Initial Calibration

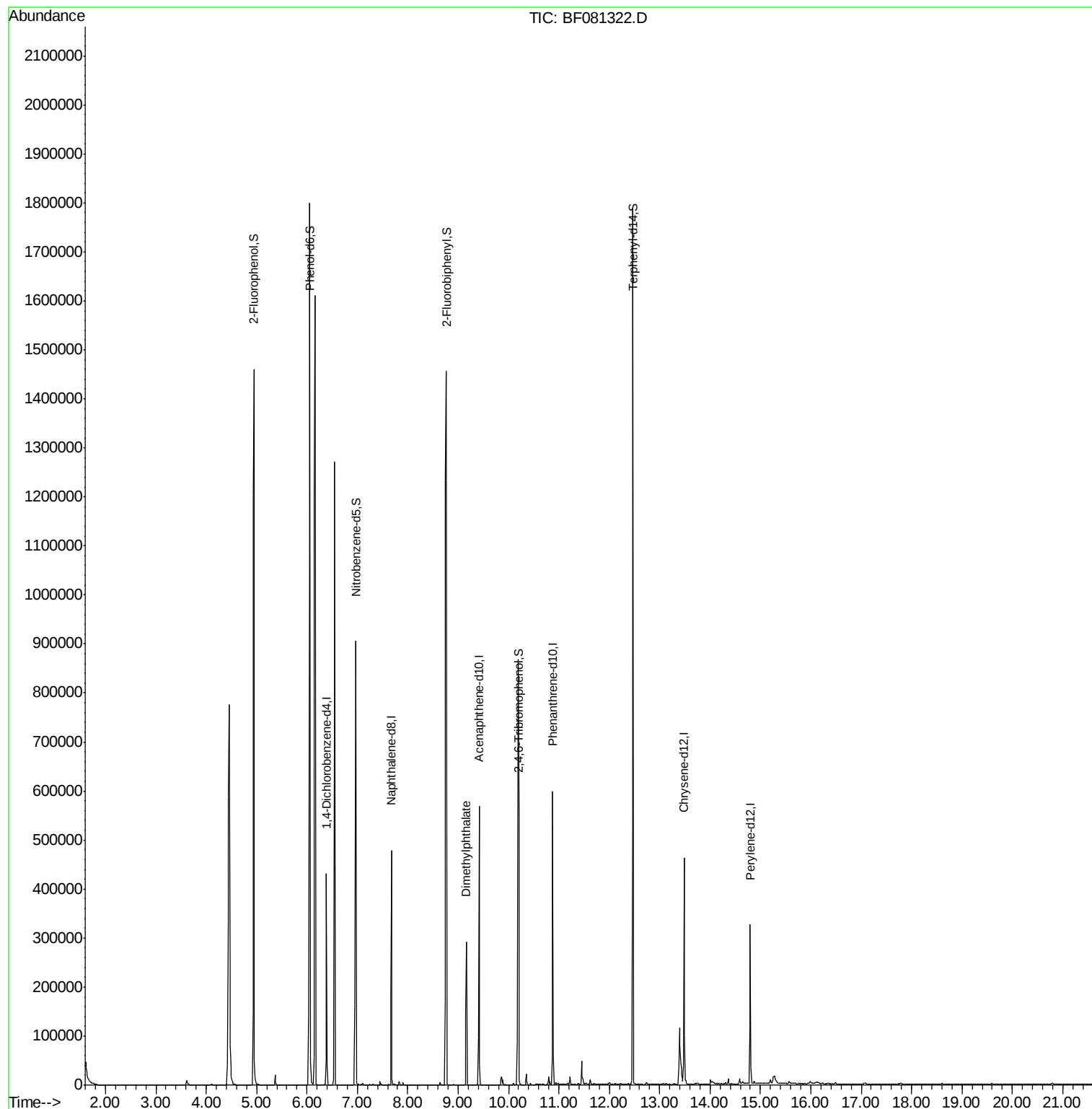
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.39  | 152  | 56949    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 7.68  | 136  | 222124   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.42  | 164  | 106360   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 10.88 | 188  | 198448   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 13.49 | 240  | 152074   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 14.80 | 264  | 126650   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 4.95  | 112  | 509657   | 138.85 | ng    | 0.02           |
| 7) Phenol-d6                | 6.06  | 99   | 698442   | 143.75 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 6.97  | 82   | 439725   | 95.51  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.20 | 330  | 115285   | 121.73 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 8.76  | 172  | 677201   | 81.59  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.47 | 244  | 524667   | 80.31  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.16  | 163  | 134887   | 16.32  | ng    | Qvalue<br># 97 |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

Instrument :

BNA\_F

ClientSampleId :

COFF-3-5(0-2)

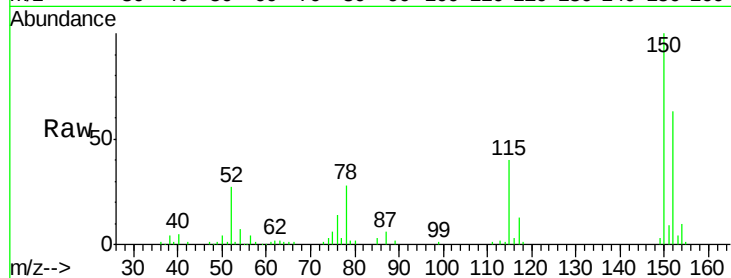
Tgt Ion:152 Resp: 56949

Ion Ratio Lower Upper

152 100

150 159.3 124.7 187.1

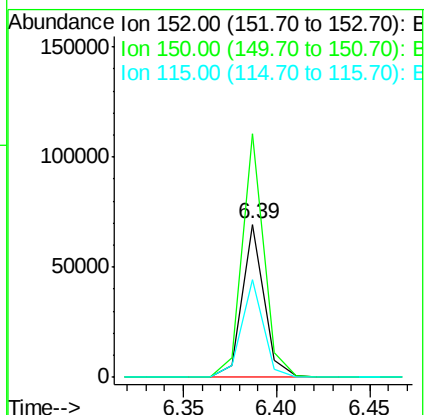
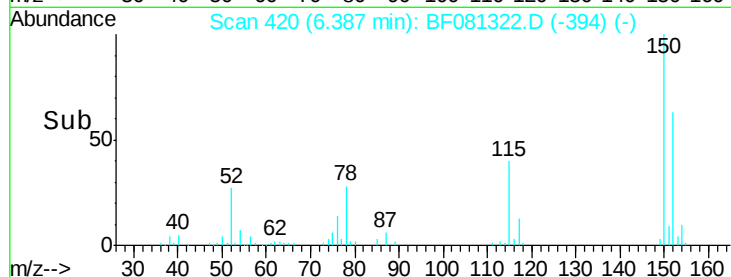
115 64.1 39.0 58.4#



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: 138.85 ng

RT: 4.95 min Scan# 294

Delta R.T. 0.02 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

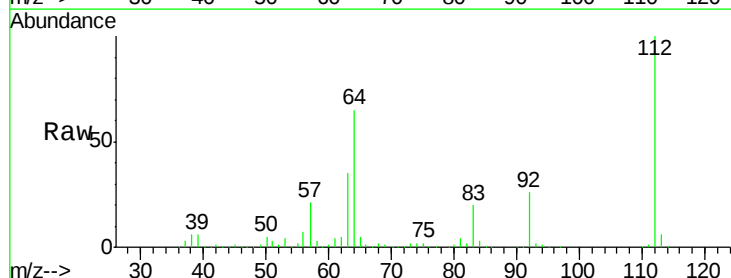
Tgt Ion:112 Resp: 509657

Ion Ratio Lower Upper

112 100

64 65.2 39.7 59.5#

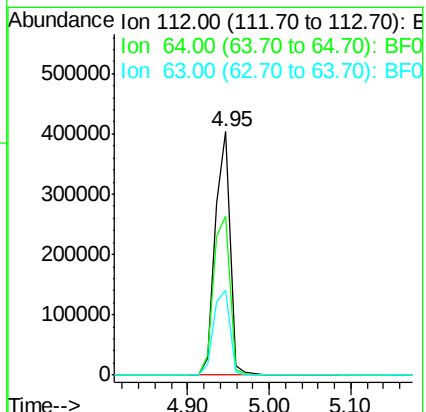
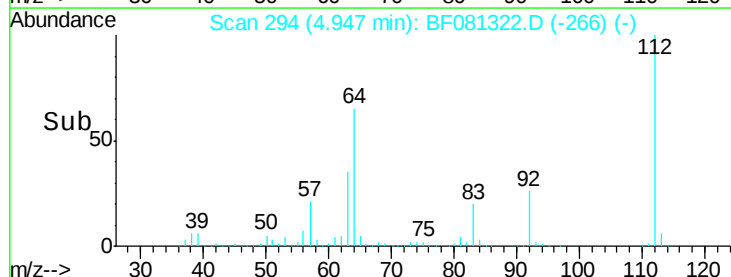
63 34.8 17.4 26.0#



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: 143.75 ng

RT: 6.06 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

Instrument :

BNA\_F

ClientSampleId :

COFF-3-5(0-2)

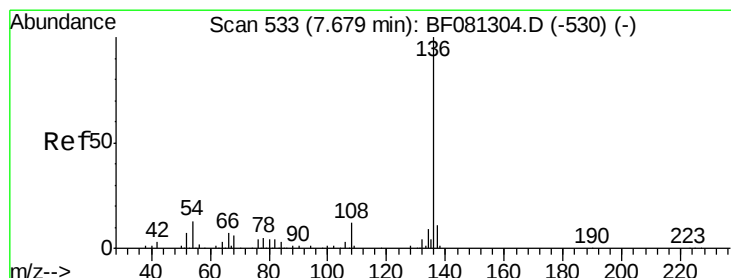
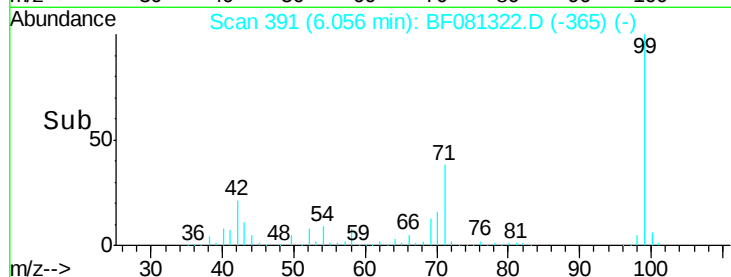
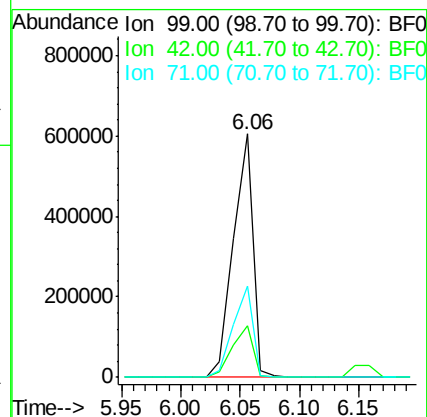
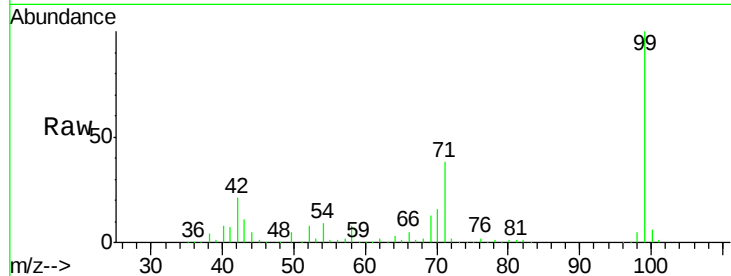
Tgt Ion: 99 Resp: 698442

Ion Ratio Lower Upper

99 100

42 21.0 13.7 20.5#

71 37.6 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

Tgt Ion: 136 Resp: 222124

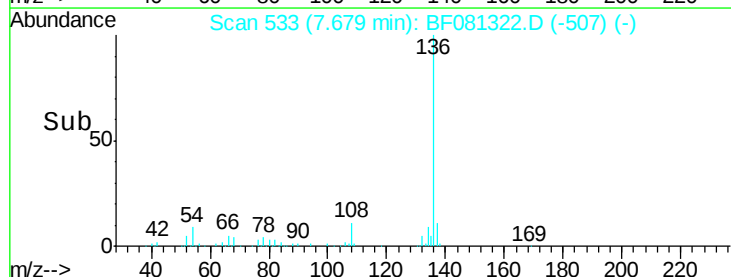
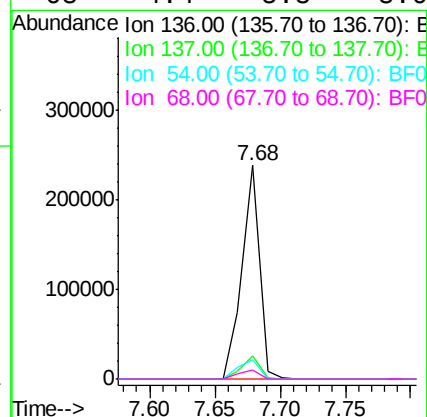
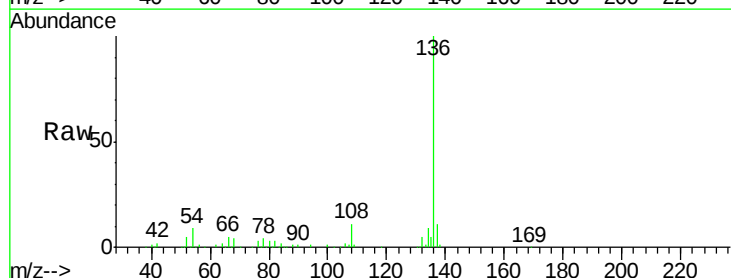
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 9.1 8.2 12.2

68 4.4 5.8 8.6#

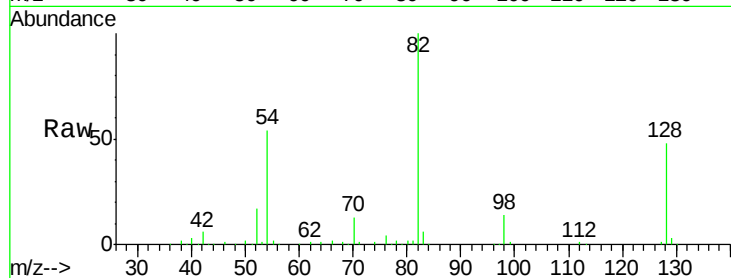




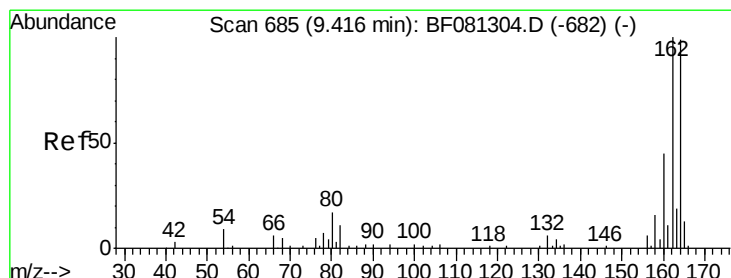
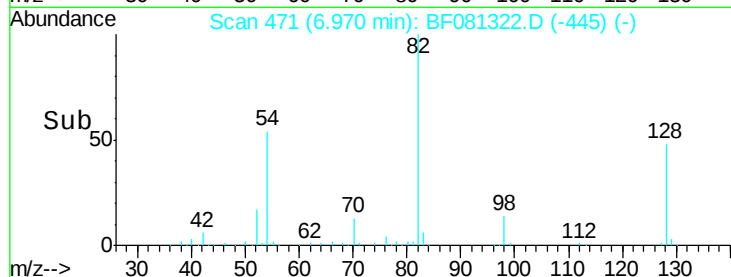
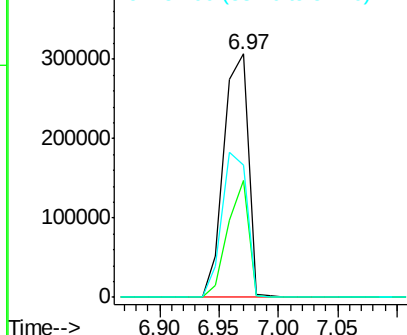
#23  
 Nitrobenzene-d5  
 Concen: 95.51 ng  
 RT: 6.97 min Scan# 471  
 Delta R.T. 0.00 min  
 Lab File: BF081322.D  
 Acq: 2 Sep 2015 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-5(0-2)

Tgt Ion: 82 Resp: 439725  
 Ion Ratio Lower Upper  
 82 100  
 128 47.8 51.0 76.6#  
 54 54.4 47.5 71.3

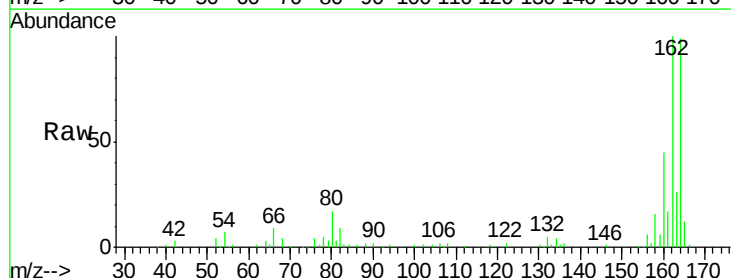


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

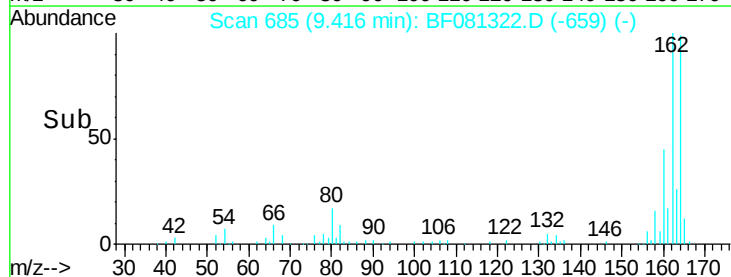
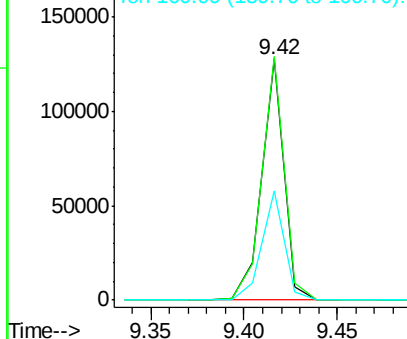


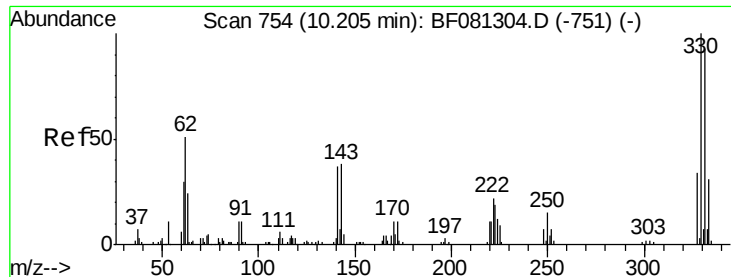
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.42 min Scan# 685  
 Delta R.T. 0.00 min  
 Lab File: BF081322.D  
 Acq: 2 Sep 2015 00:44

Tgt Ion: 164 Resp: 106360  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 75.2 112.8  
 160 45.2 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

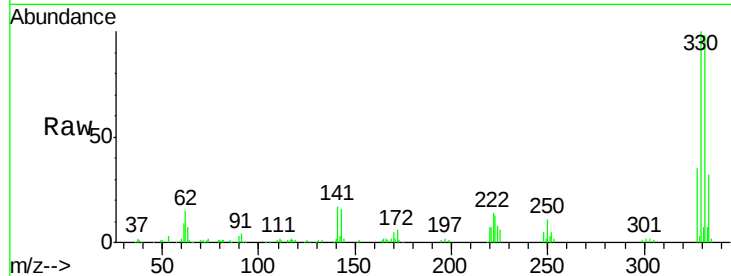




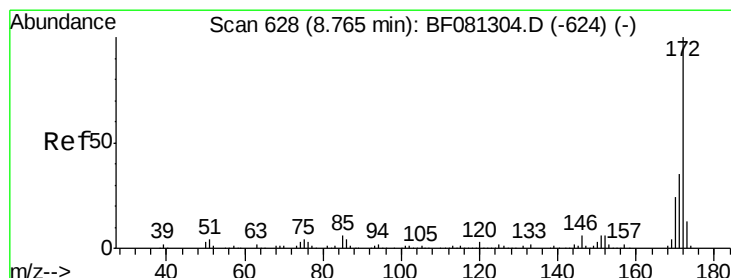
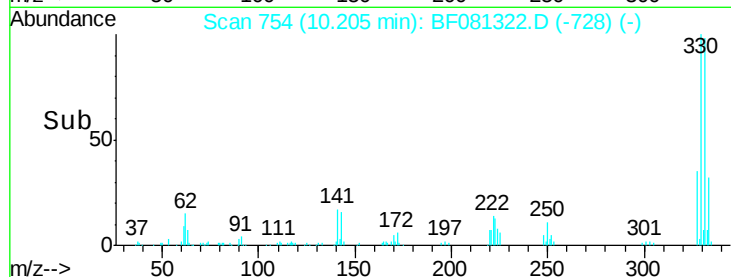
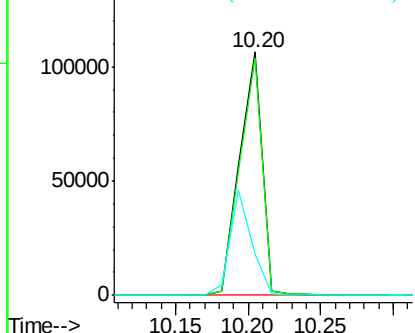
#41  
 2,4,6-Tribromophenol  
 Concen: 121.73 ng  
 RT: 10.20 min Scan# 754  
 Delta R.T. 0.00 min  
 Lab File: BF081322.D  
 Acq: 2 Sep 2015 00:44

Instrument :  
 BNA\_F  
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 COFF-3-5(0-2)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.6  | 114.8 |
| 141     | 41.2  | 29.7  | 44.5  |

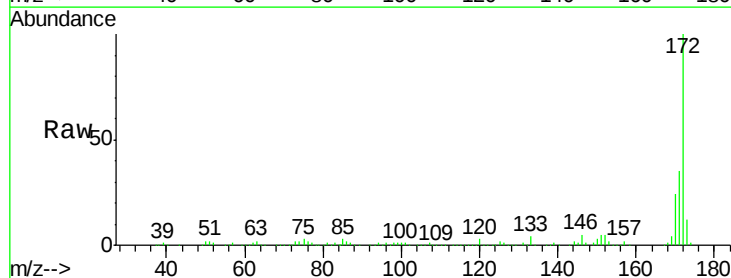


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

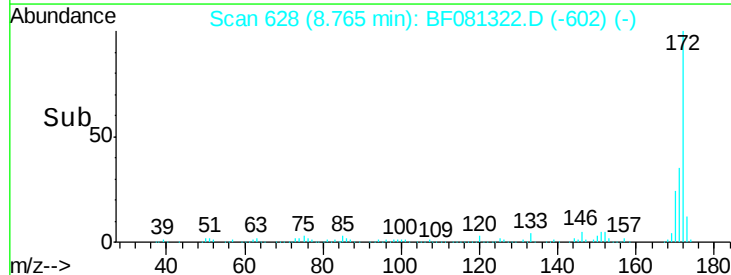
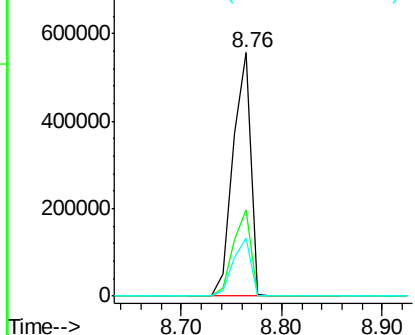


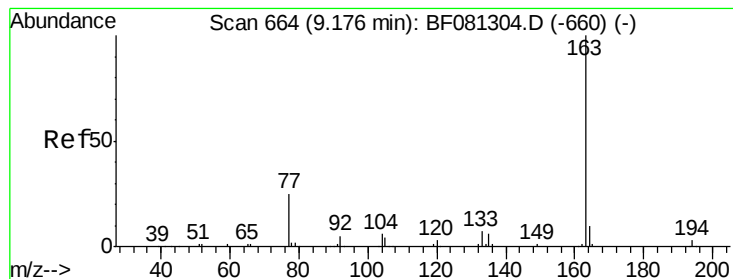
#44  
 2-Fluorobiphenyl  
 Concen: 81.59 ng  
 RT: 8.76 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF081322.D  
 Acq: 2 Sep 2015 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 26.1  | 39.1  |
| 170     | 24.0  | 17.4  | 26.2  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 16.32 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

Instrument :

BNA\_F

ClientSampleId :

COFF-3-5(0-2)

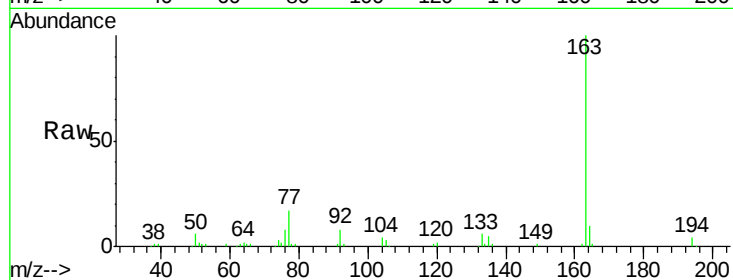
Tgt Ion:163 Resp: 134887

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

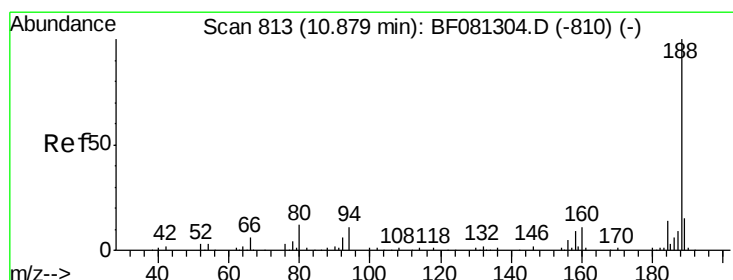
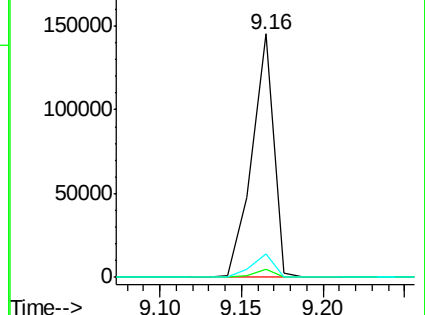
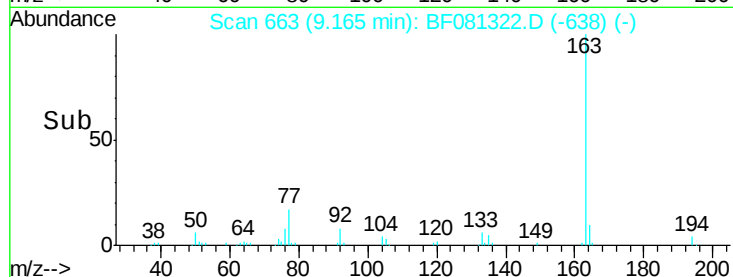
164 9.7 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

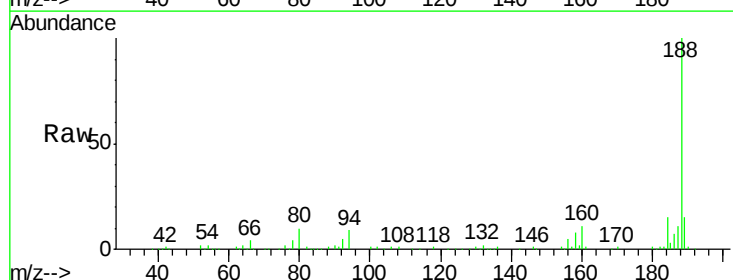
Tgt Ion:188 Resp: 198448

Ion Ratio Lower Upper

188 100

94 8.8 11.1 16.7#

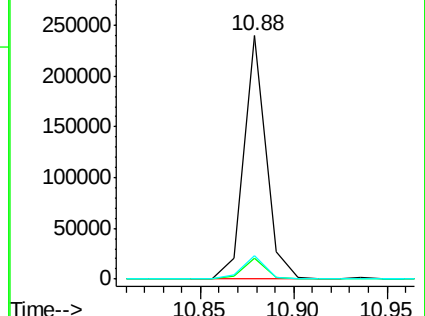
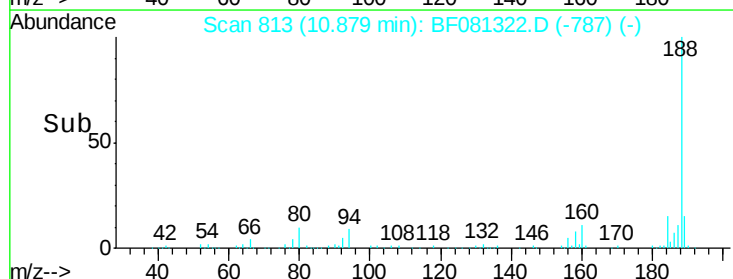
80 9.9 11.0 16.4#

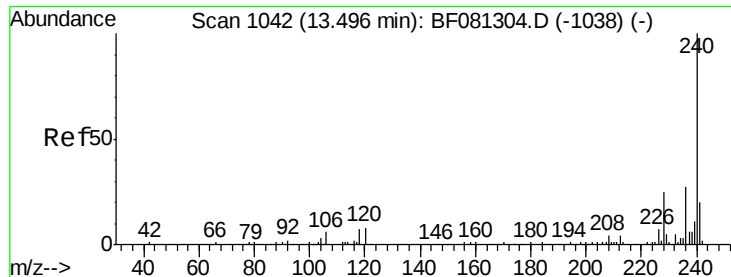


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.49 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF081322.D

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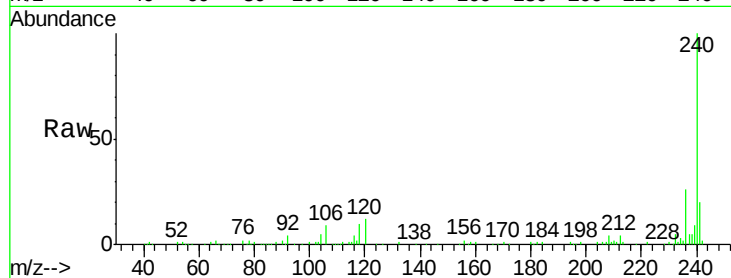
Tgt Ion:240 Resp: 152074

Ion Ratio Lower Upper

240 100

120 11.6 16.2 24.2#

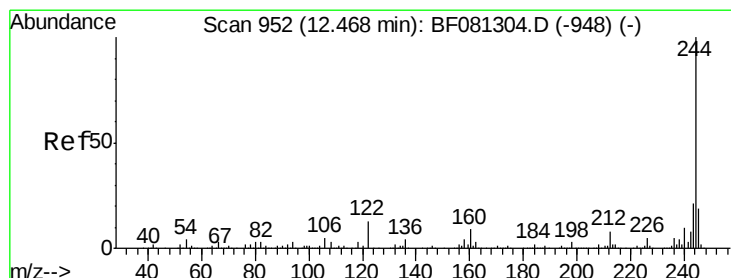
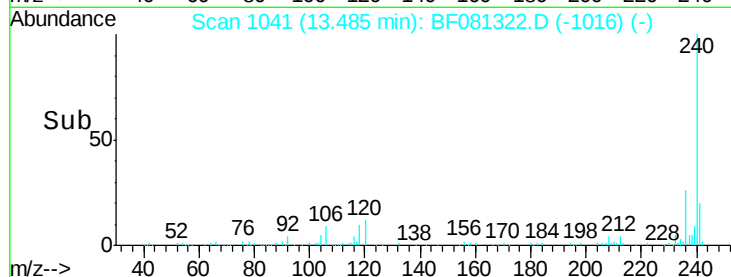
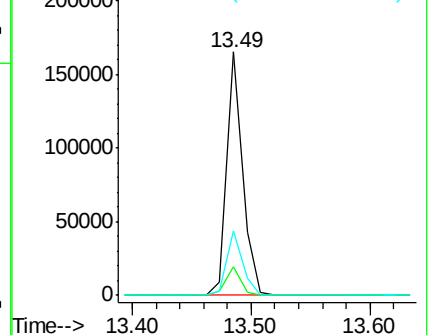
236 26.5 18.4 27.6



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: 80.31 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081322.D

Acq: 2 Sep 2015 00:44

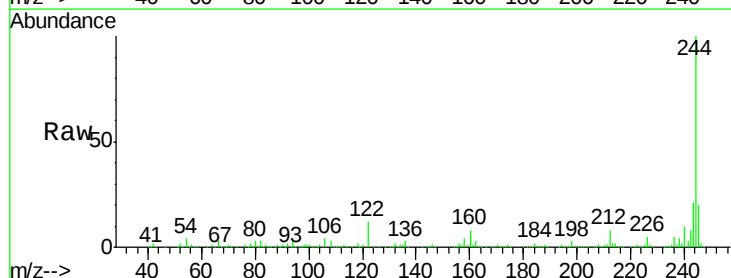
Tgt Ion:244 Resp: 524667

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

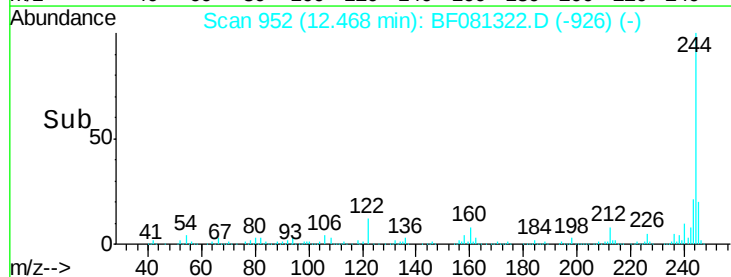
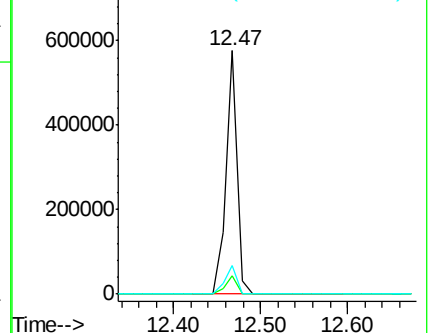
122 11.7 17.4 26.2#

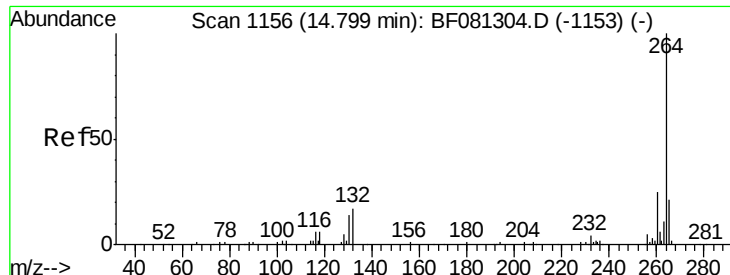


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF081322.D

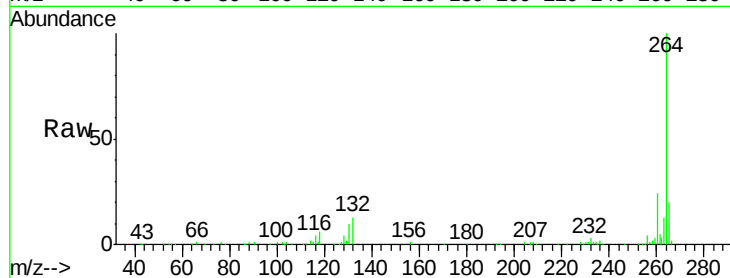
Acq: 2 Sep 2015 00:44

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COFF-3-5(0-2)



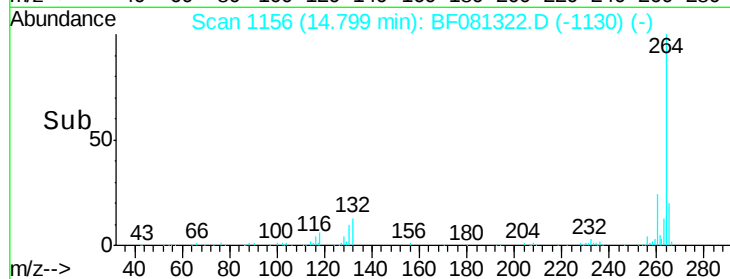
Tgt Ion: 264 Resp: 126650

Ion Ratio Lower Upper

264 100

260 23.7 16.7 25.1

265 20.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

