

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090115\  
 Data File : BF081325.D  
 Acq On : 2 Sep 2015 2:17  
 Operator : UM/IZ  
 Sample : G3479-15  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-8(0-2)

Quant Time: Sep 02 02:50:41 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

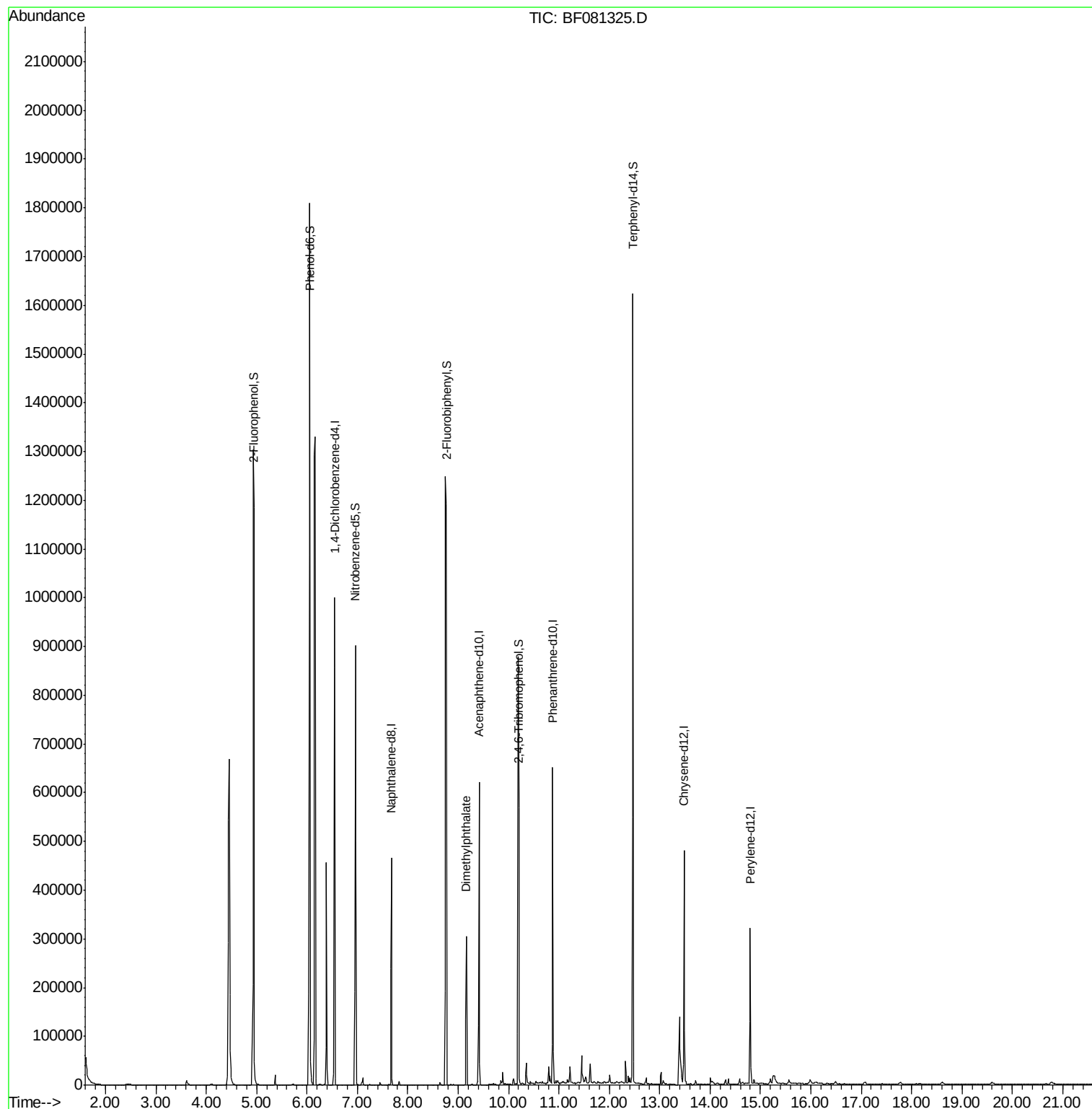
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.55  | 152  | 212832   | 20.00  | ng    | 0.16           |
| 21) Naphthalene-d8          | 7.68  | 136  | 235946   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.42  | 164  | 116462   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 10.88 | 188  | 220396   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 13.49 | 240  | 161942   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 14.80 | 264  | 127120   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 4.95  | 112  | 494333   | 36.04  | ng    | 0.02           |
| 7) Phenol-d6                | 6.06  | 99   | 717288   | 39.50  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 6.96  | 82   | 369031   | 75.46  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.20 | 330  | 119297   | 115.04 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 8.76  | 172  | 619723   | 68.19  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.47 | 244  | 489423   | 70.35  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.16  | 163  | 134306   | 14.84  | ng    | Qvalue<br># 97 |

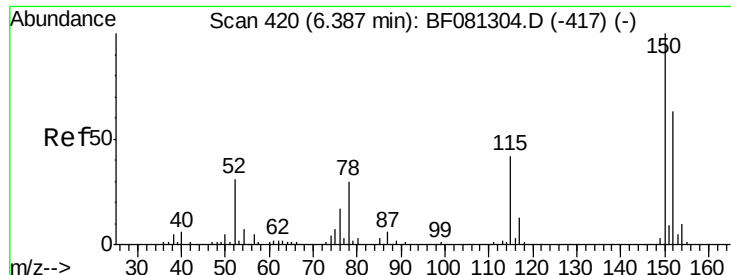
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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COFF-3-8(0-2)

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Response via : Initial Calibration

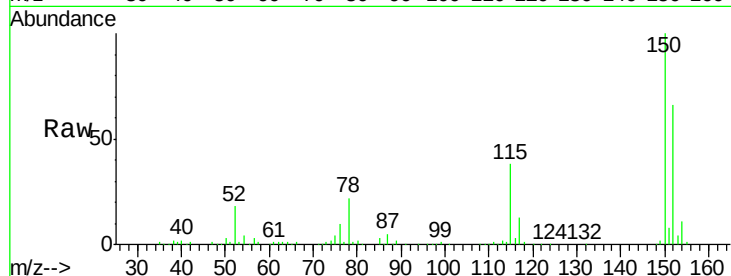




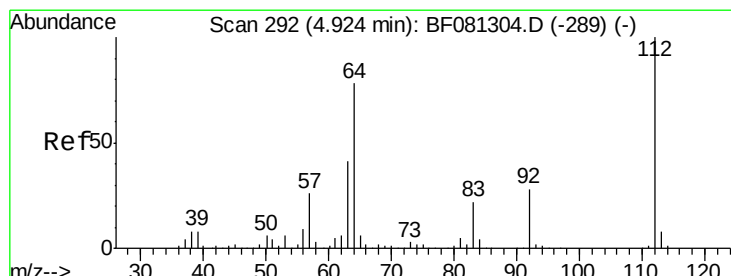
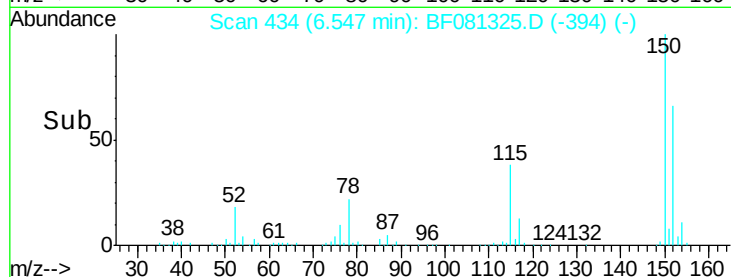
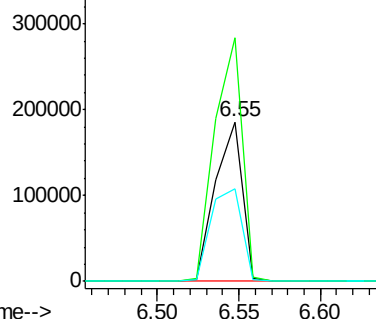
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.55 min Scan# 434  
 Delta R.T. 0.16 min  
 Lab File: BF081325.D  
 Acq: 2 Sep 2015 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-8(0-2)

Tgt Ion:152 Resp: 212832  
 Ion Ratio Lower Upper  
 152 100  
 150 152.4 124.7 187.1  
 115 57.9 39.0 58.4

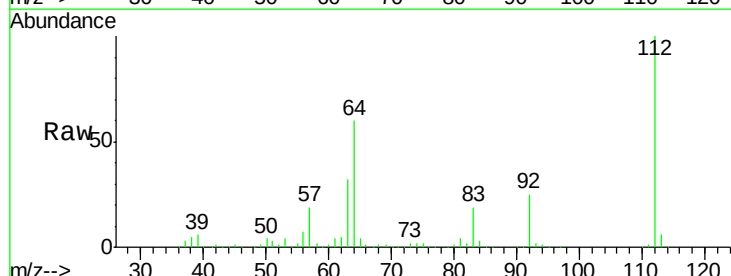


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

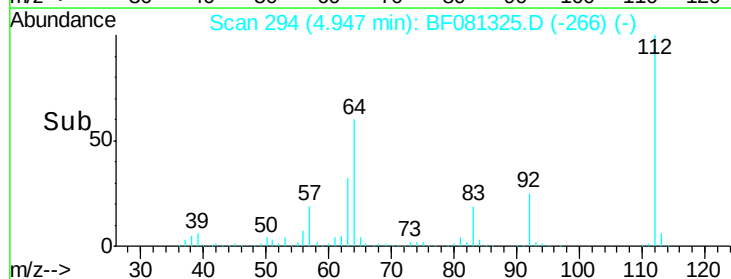
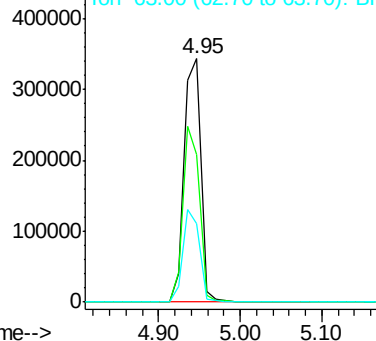


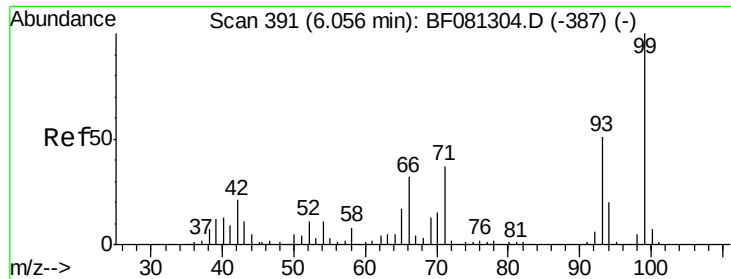
#5  
 2-Fluorophenol  
 Concen: 36.04 ng  
 RT: 4.95 min Scan# 294  
 Delta R.T. 0.02 min  
 Lab File: BF081325.D  
 Acq: 2 Sep 2015 2:17

Tgt Ion:112 Resp: 494333  
 Ion Ratio Lower Upper  
 112 100  
 64 60.4 39.7 59.5#  
 63 32.4 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: 39.50 ng

RT: 6.06 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF081325.D

Acq: 2 Sep 2015 2:17

Instrument :

BNA\_F

ClientSampleId :

COFF-3-8(0-2)

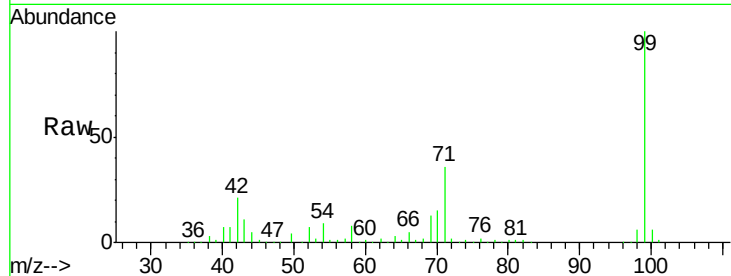
Tgt Ion: 99 Resp: 717288

Ion Ratio Lower Upper

99 100

42 20.7 13.7 20.5#

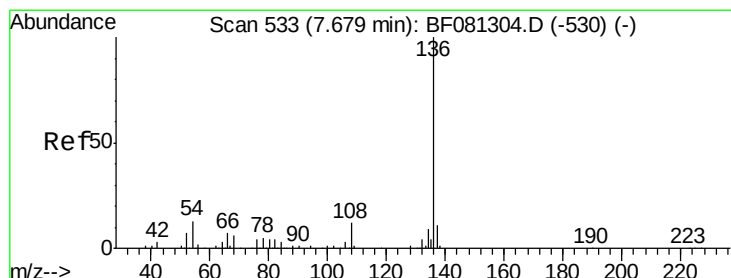
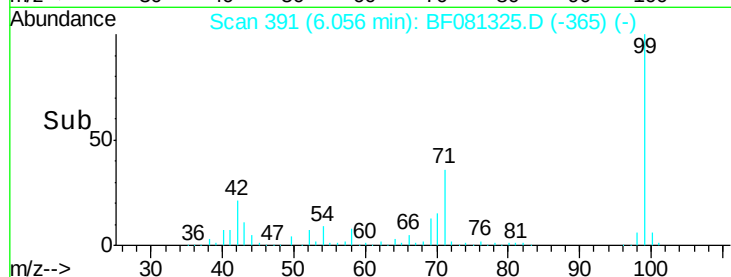
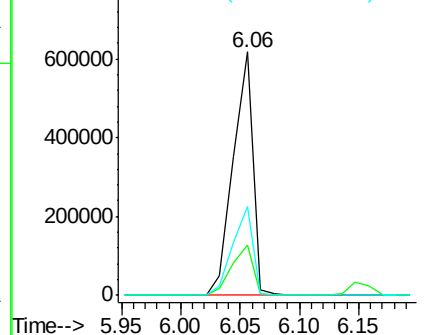
71 36.3 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF081325.D

Acq: 2 Sep 2015 2:17

Tgt Ion: 136 Resp: 235946

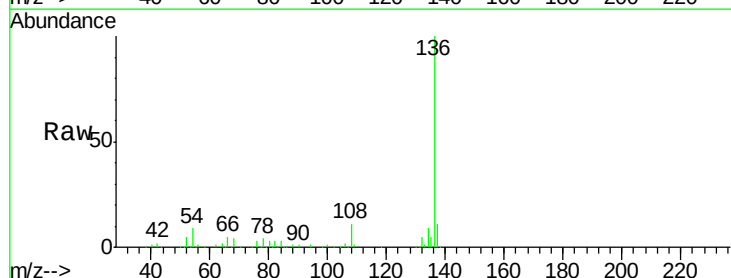
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 9.0 8.2 12.2

68 4.4 5.8 8.6#

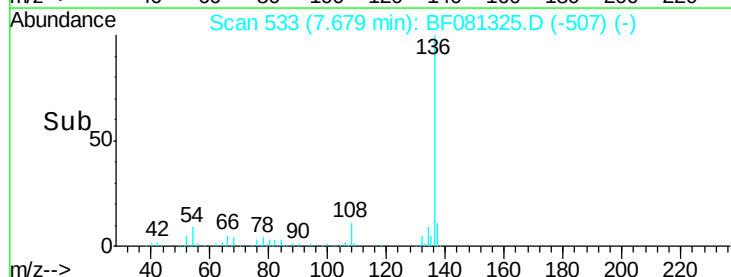
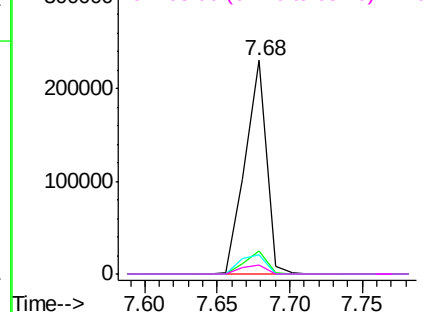


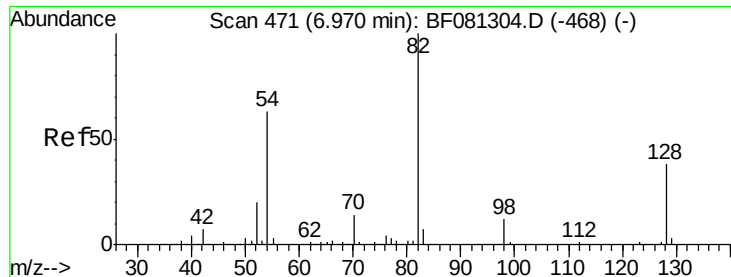
Abundance Ion 136.00 (135.70 to 136.70): E

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

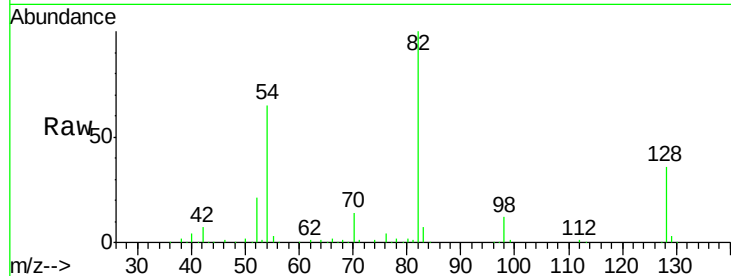




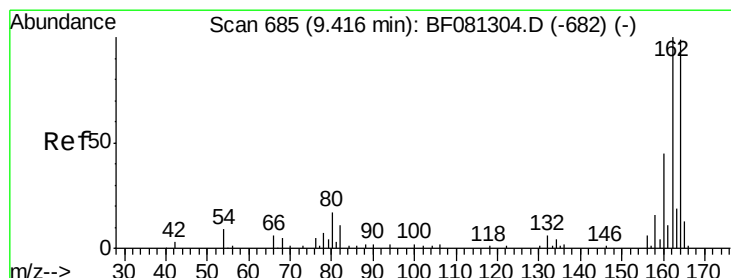
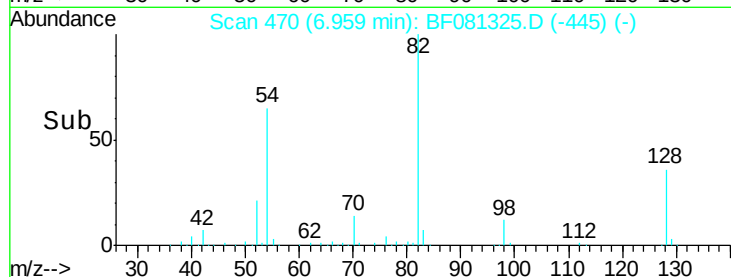
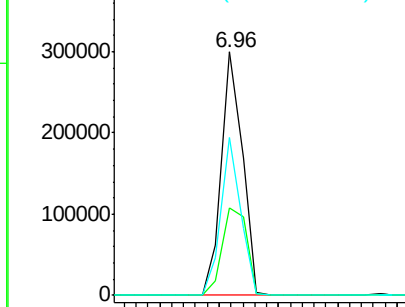
#23  
 Nitrobenzene-d5  
 Concen: 75.46 ng  
 RT: 6.96 min Scan# 470  
 Delta R.T. -0.01 min  
 Lab File: BF081325.D  
 Acq: 2 Sep 2015 2:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-8(0-2)

Tgt Ion: 82 Resp: 369031  
 Ion Ratio Lower Upper  
 82 100  
 128 35.8 51.0 76.6#  
 54 64.7 47.5 71.3

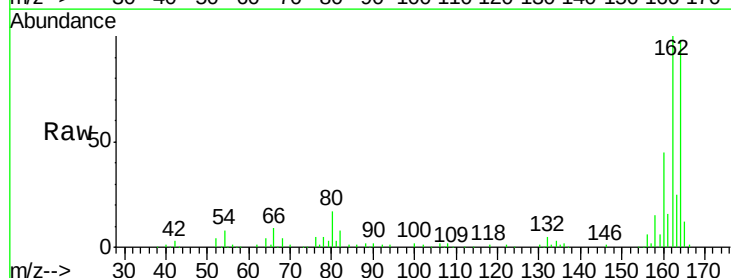


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

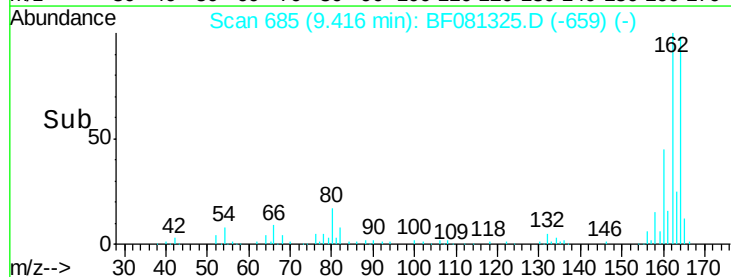
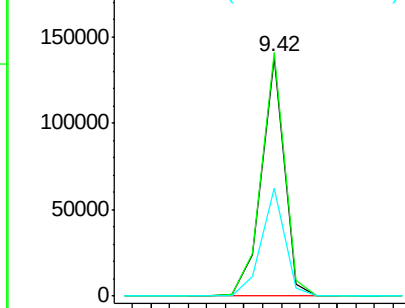


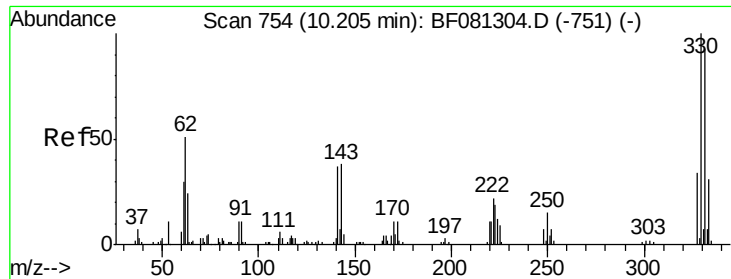
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.42 min Scan# 685  
 Delta R.T. 0.00 min  
 Lab File: BF081325.D  
 Acq: 2 Sep 2015 2:17

Tgt Ion: 164 Resp: 116462  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 75.2 112.8  
 160 45.4 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

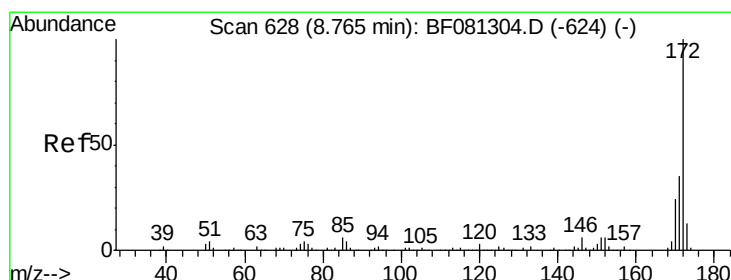
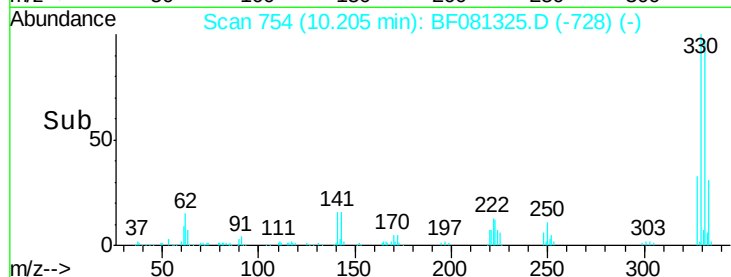
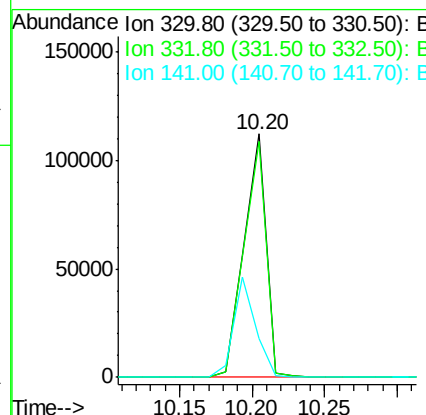
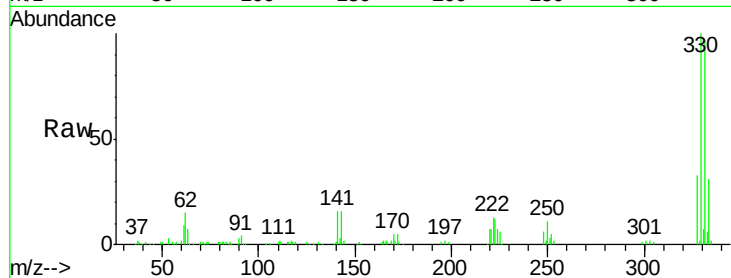




#41  
 2,4,6-Tribromophenol  
 Concen: 115.04 ng  
 RT: 10.20 min Scan# 754  
 Delta R.T. 0.00 min  
 Lab File: BF081325.D  
 Acq: 2 Sep 2015 2:17

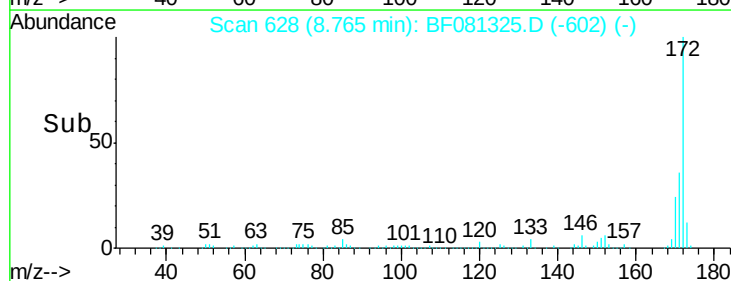
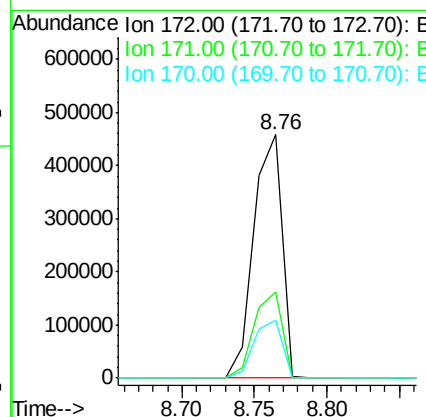
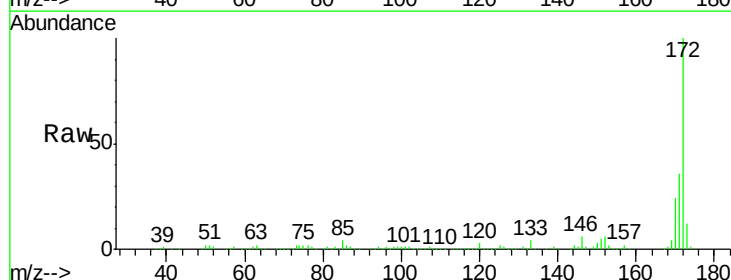
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-8(0-2)

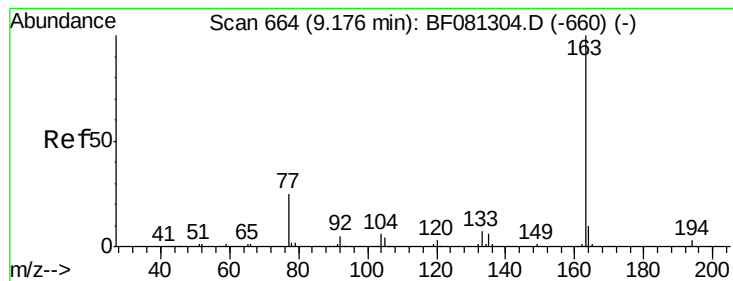
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 76.6  | 114.8 |
| 141     | 40.3  | 29.7  | 44.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 68.19 ng  
 RT: 8.76 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF081325.D  
 Acq: 2 Sep 2015 2:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 26.1  | 39.1  |
| 170     | 23.9  | 17.4  | 26.2  |





#49

Dimethylphthalate

Concen: 14.84 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF081325.D

Acq: 2 Sep 2015 2:17

Instrument :

BNA\_F

ClientSampleId :

COFF-3-8(0-2)

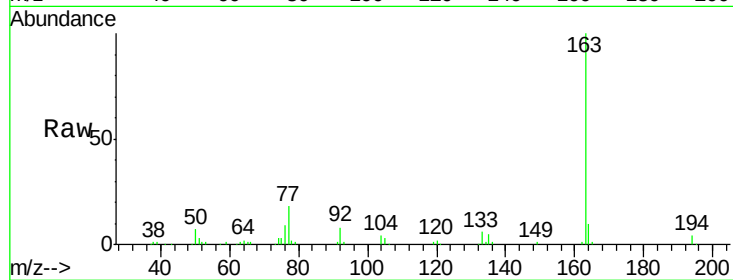
Tgt Ion:163 Resp: 134306

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

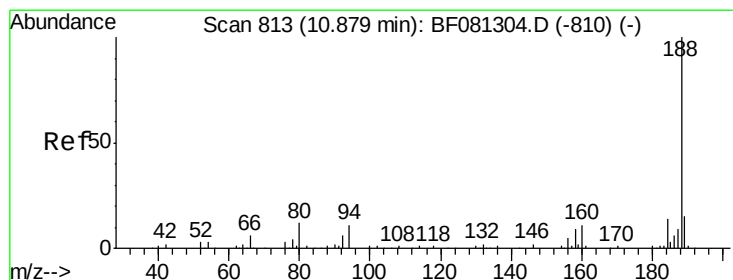
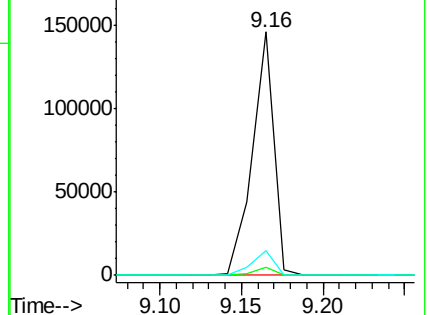
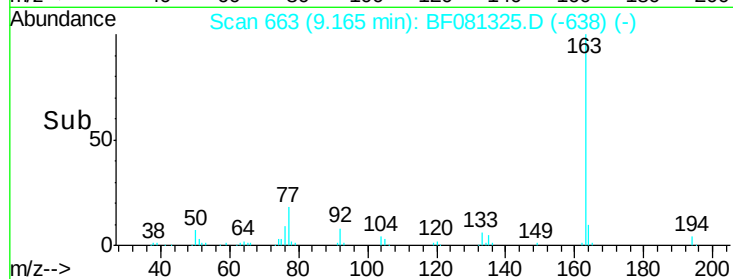
164 9.9 8.3 12.5



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: BF081325.D

Acq: 2 Sep 2015 2:17

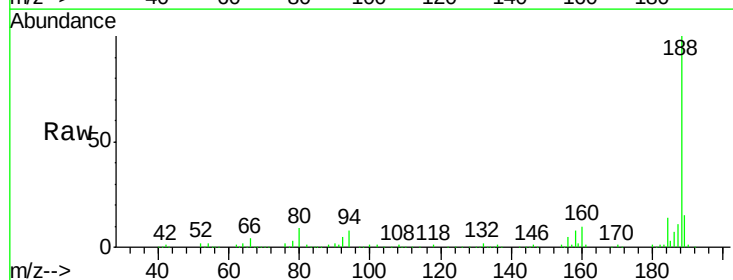
Tgt Ion:188 Resp: 220396

Ion Ratio Lower Upper

188 100

94 8.1 11.1 16.7#

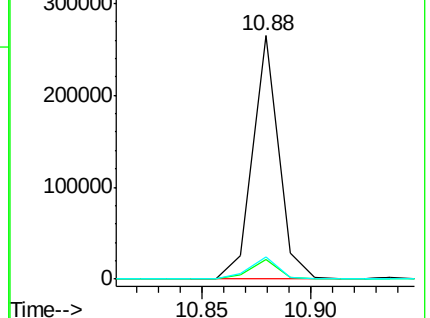
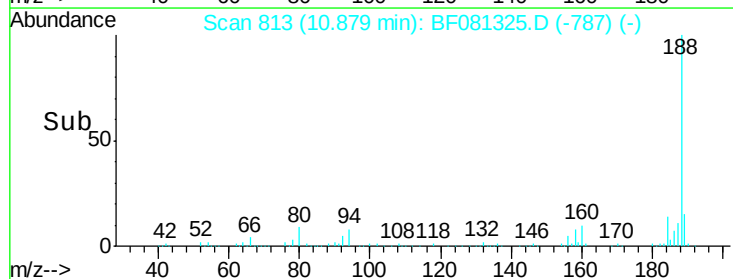
80 9.1 11.0 16.4#

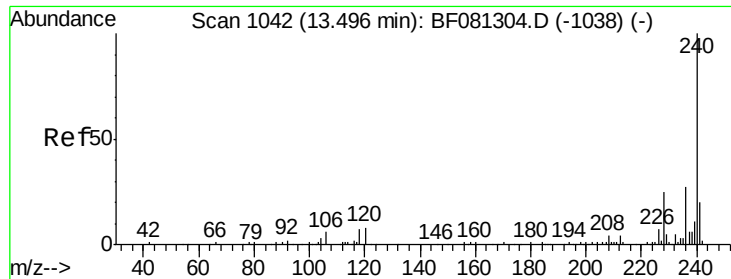


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF081325.D

Acq: 2 Sep 2015 2:17

Instrument :

BNA\_F

ClientSampleId :

COFF-3-8(0-2)

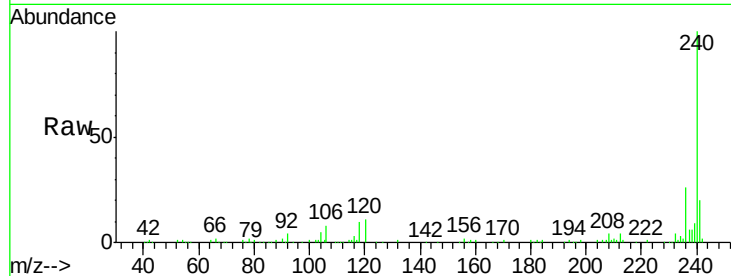
Tgt Ion:240 Resp: 161942

Ion Ratio Lower Upper

240 100

120 10.8 16.2 24.2#

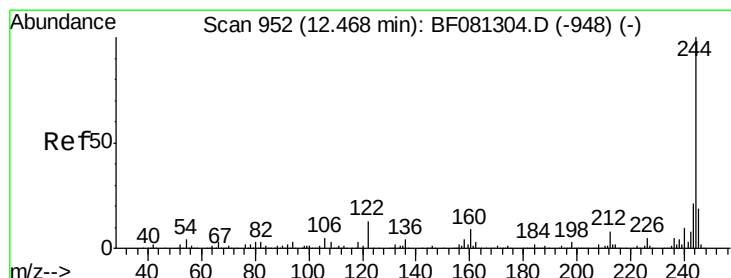
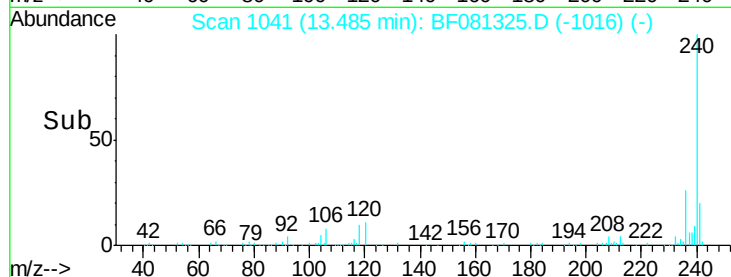
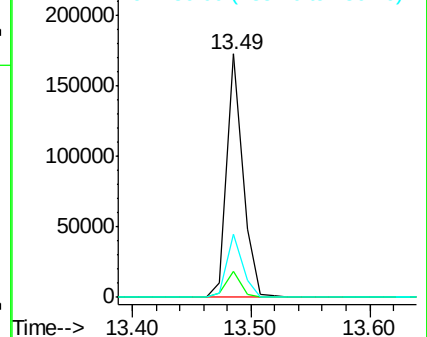
236 26.1 18.4 27.6



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: 70.35 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081325.D

Acq: 2 Sep 2015 2:17

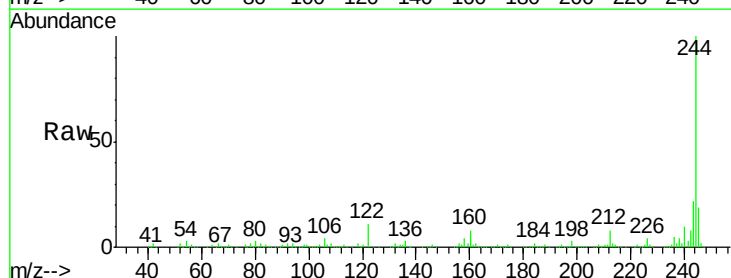
Tgt Ion:244 Resp: 489423

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

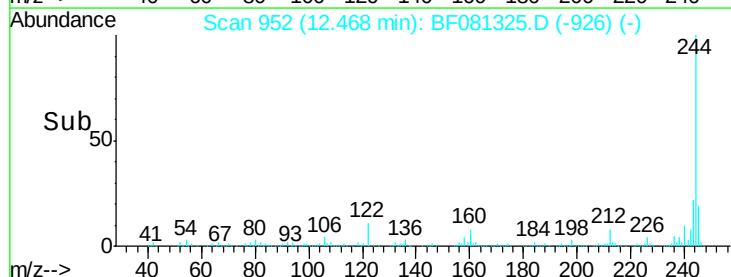
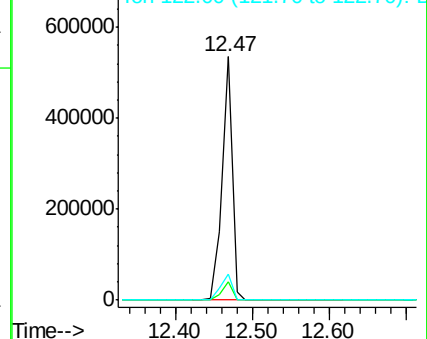
122 10.7 17.4 26.2#



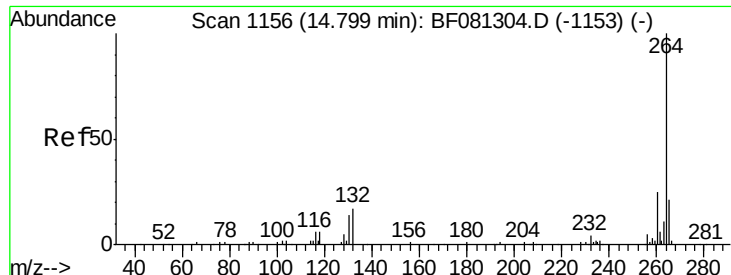
Abundance Ion 244.00 (243.70 to 244.70): E

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: BF081325.D  
Acq: 2 Sep 2015 2:17

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-3-8(0-2)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 16.7  | 25.1  |
| 265     | 21.0  | 17.2  | 25.8  |

