

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\  
 Data File : BF084267.D  
 Acq On : 5 Jan 2016 5:59  
 Operator : UM/SJ  
 Sample : G4990-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-39

Quant Time: Jan 05 07:33:39 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 12:22:40 2016  
 Response via : Initial Calibration

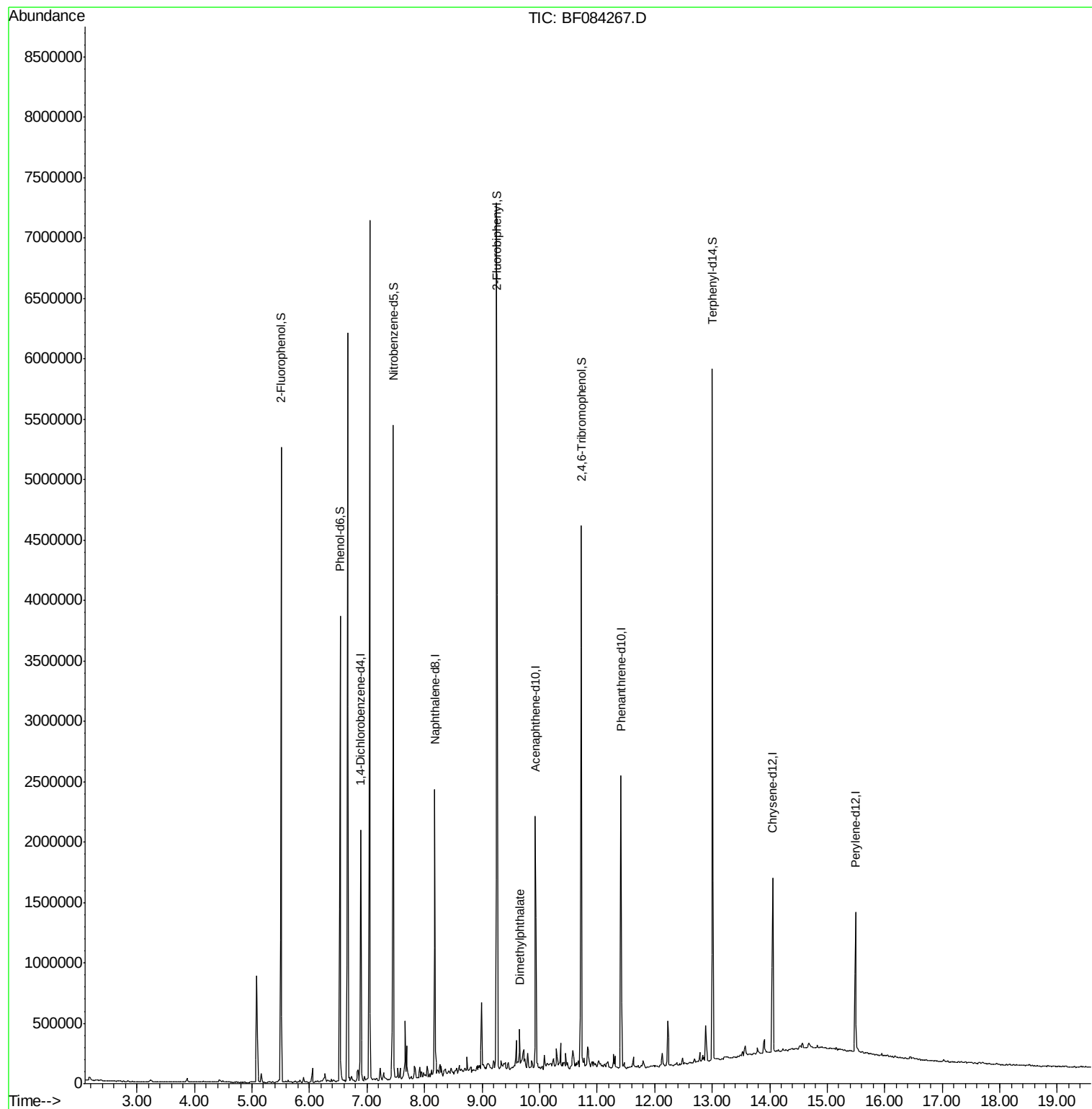
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 270548   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.18  | 136  | 1150239  | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.93  | 164  | 491393   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 11.41 | 188  | 833120   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.05 | 240  | 570704   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.49 | 264  | 553650   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1275578  | 76.26  | ng    | 0.01           |
| 7) Phenol-d6                | 6.53  | 99   | 1246007  | 59.31  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 1899448  | 91.91  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 712351   | 143.59 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 2878388  | 104.50 | ng    | -0.01          |
| 78) Terphenyl-d14           | 13.00 | 244  | 1784301  | 69.79  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.65  | 163  | 104349   | 2.97   | ng    | Qvalue<br># 91 |

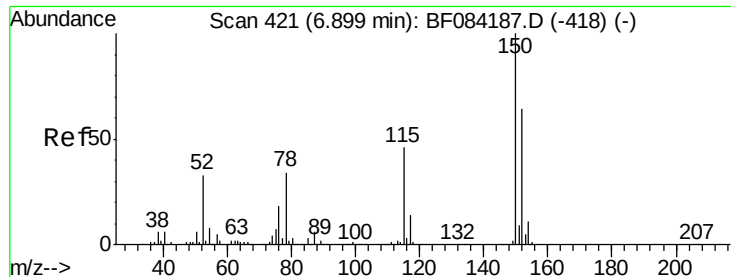
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 04 12:22:40 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

Instrument :

BNA\_F

ClientSampleId :

W-39

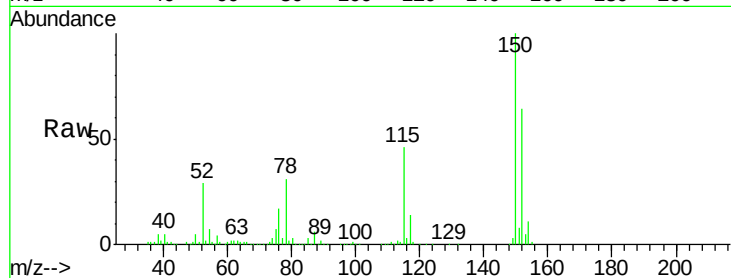
Tot Ion:152 Resp: 270548

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

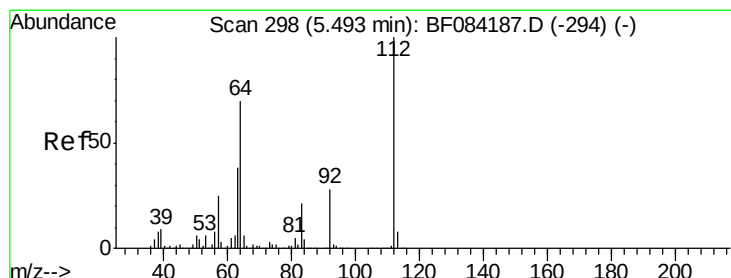
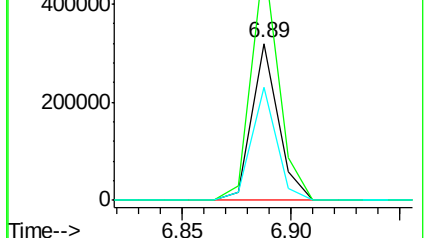
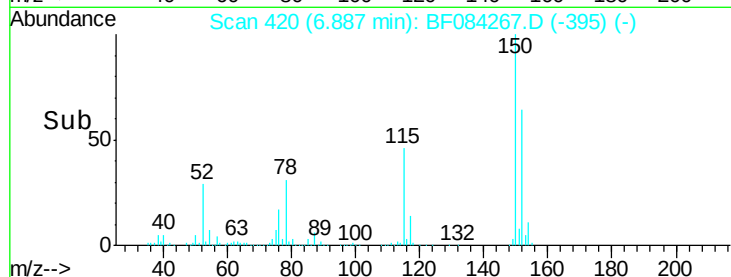
115 71.9 51.4 77.2



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: 76.26 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

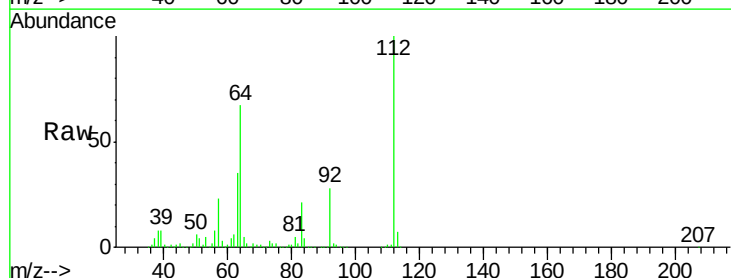
Tgt Ion:112 Resp: 1275578

Ion Ratio Lower Upper

112 100

64 67.1 36.6 55.0#

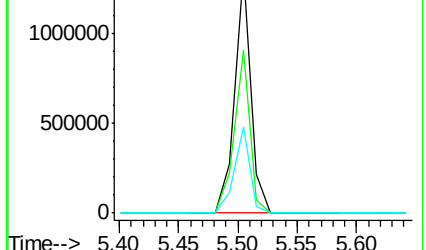
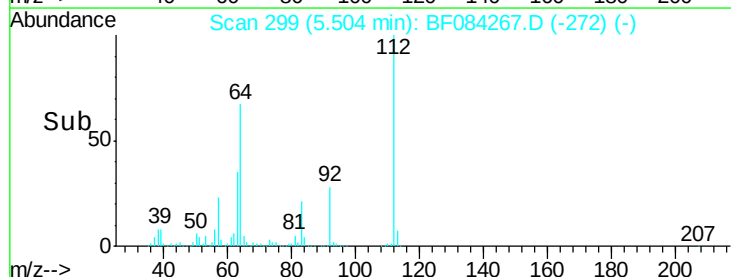
63 35.4 19.4 29.0#

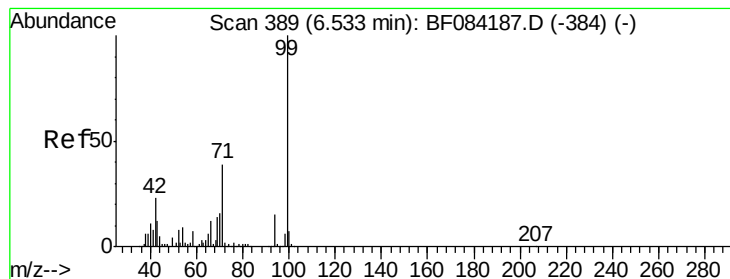


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 59.31 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

Instrument :

BNA\_F

ClientSampleId :

W-39

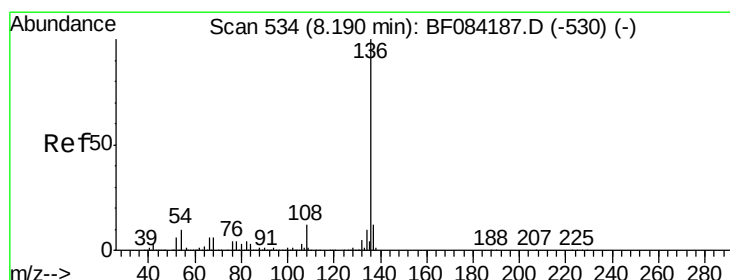
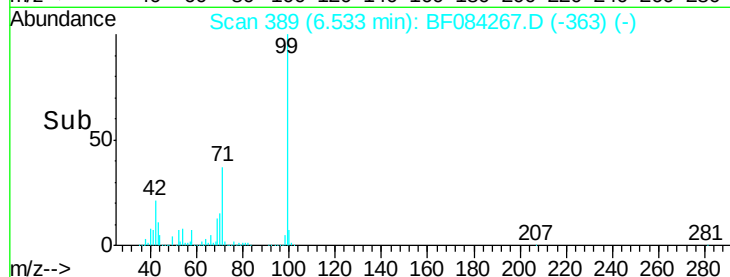
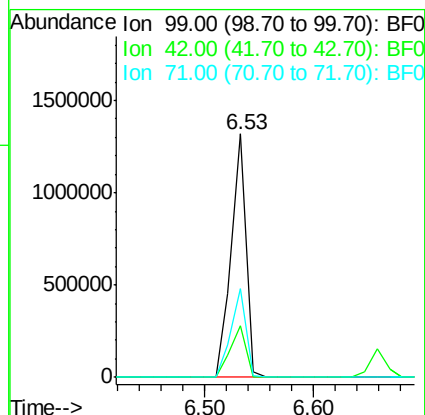
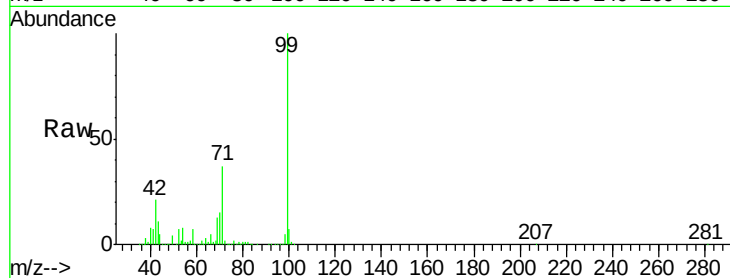
Tot Ion: 99 Resp: 1246007

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

71 36.7 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

Tgt Ion: 136 Resp: 1150239

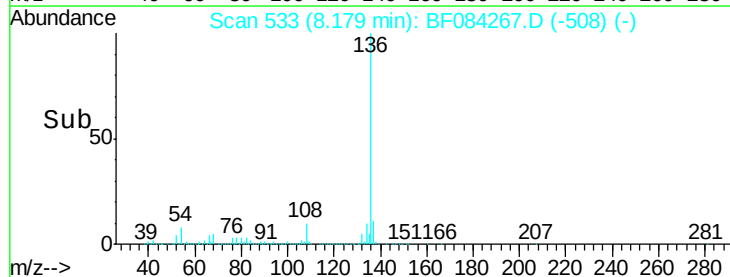
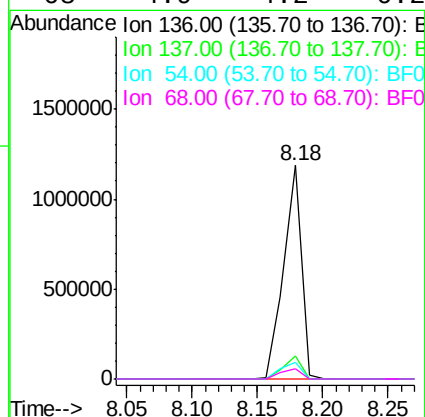
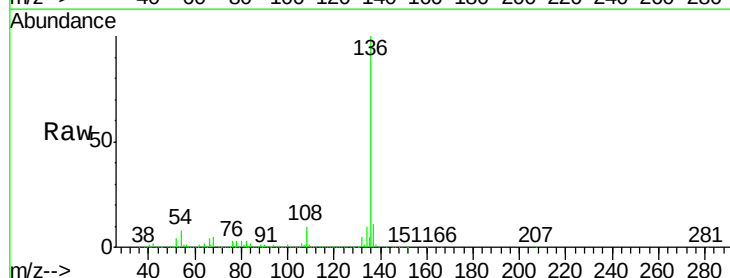
Ion Ratio Lower Upper

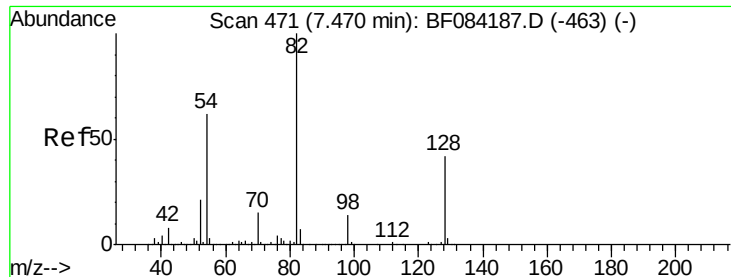
136 100

137 11.0 8.7 13.1

54 7.8 5.8 8.8

68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 91.91 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

Instrument :

BNA\_F

ClientSampled :

W-39

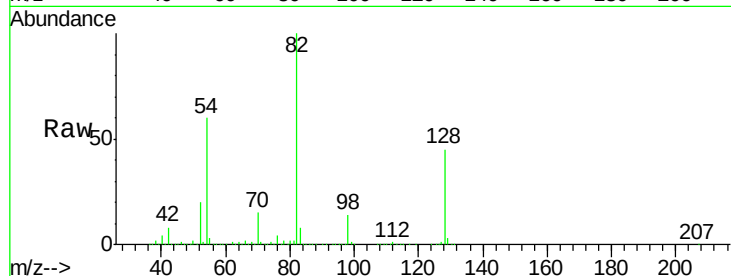
Tot Ion: 82 Resp: 1899448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.5  | 34.6  | 51.8  |
| 54  | 60.4  | 38.4  | 57.6  |

82 100

128 44.5 34.6 51.8

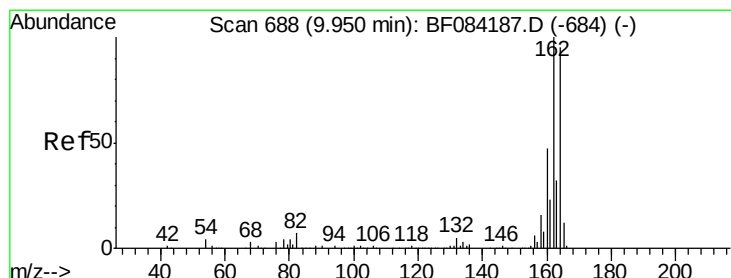
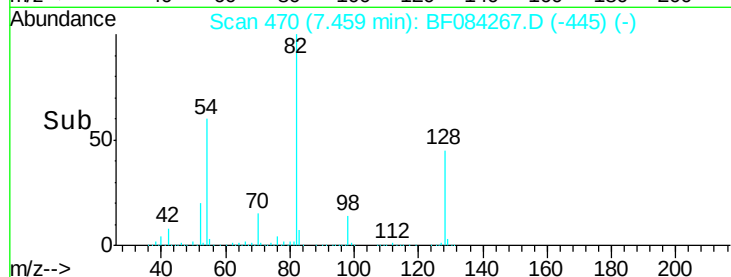
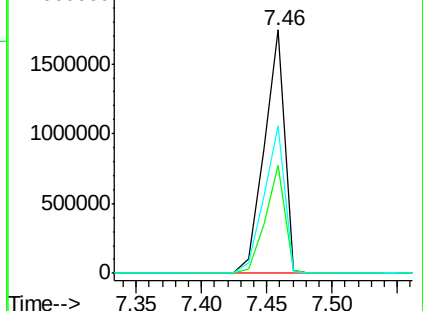
54 60.4 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

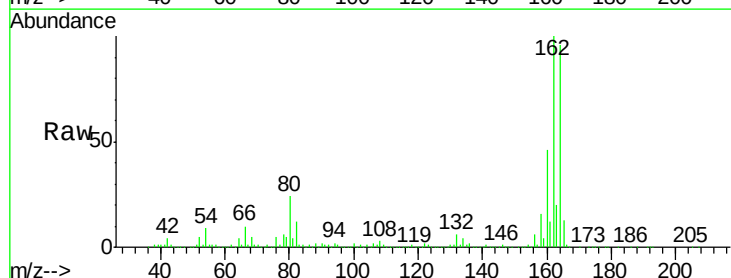
Tgt Ion:164 Resp: 491393

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.0 | 85.1  | 127.7 |
| 160 | 47.8  | 37.5  | 56.3  |

164 100

162 104.0 85.1 127.7

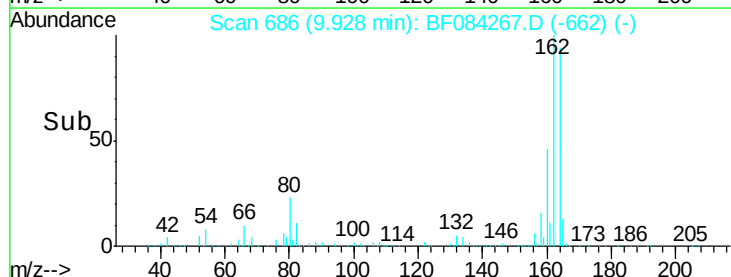
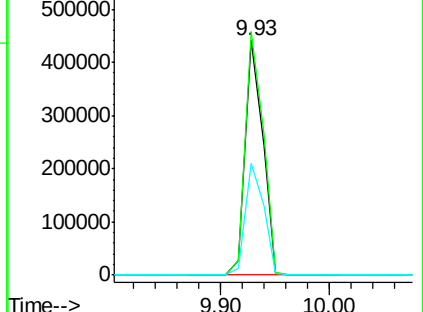
160 47.8 37.5 56.3

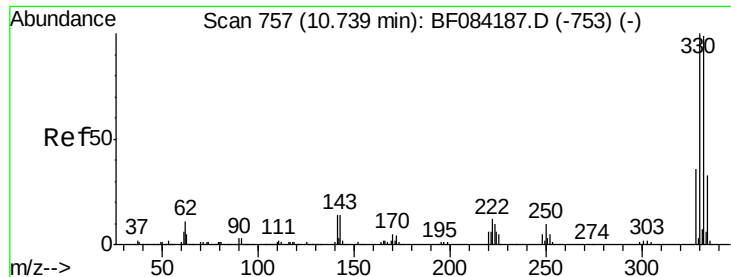


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

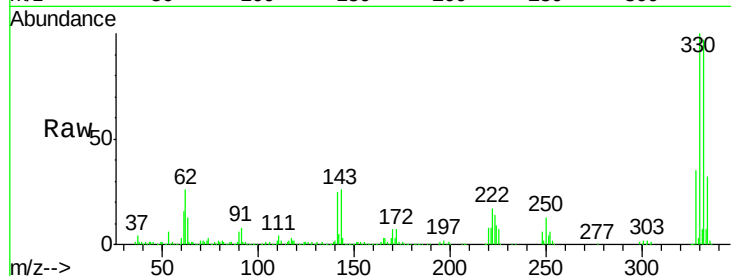




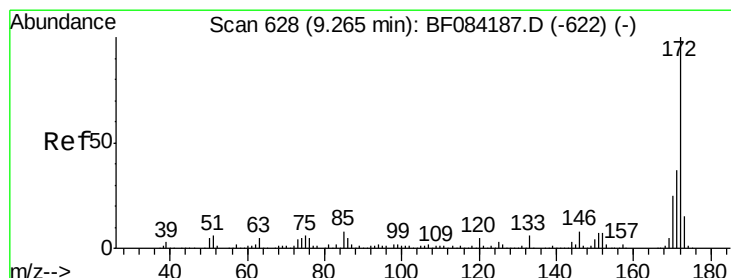
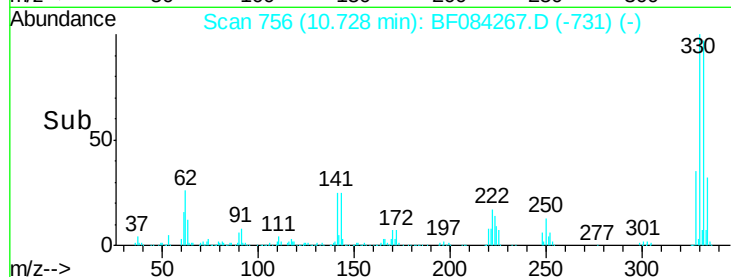
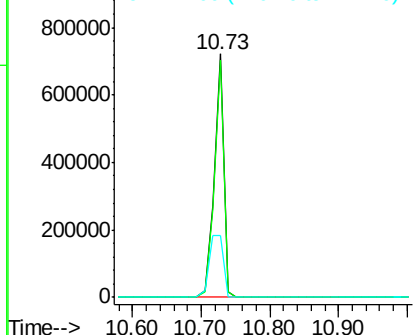
#41  
 2,4,6-Tribromophenol  
 Concen: 143.59 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF084267.D  
 Acq: 5 Jan 2016 5:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 W-39

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.6  | 114.8 |
| 141     | 37.6  | 27.8  | 41.6  |

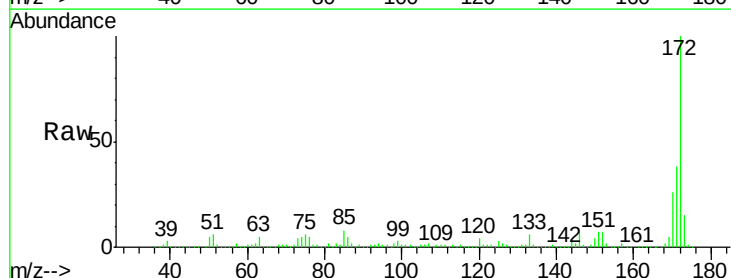


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

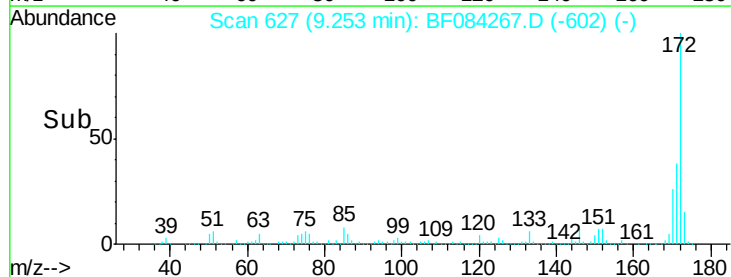
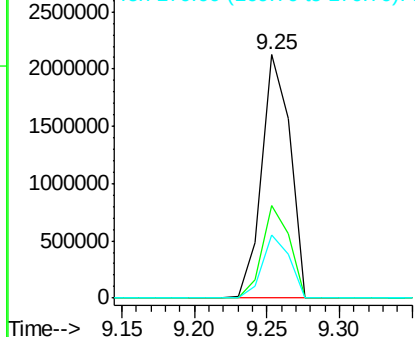


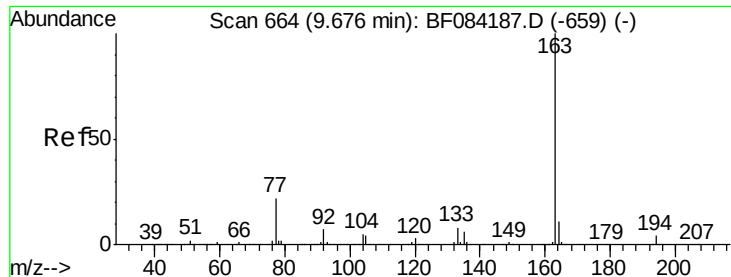
#44  
 2-Fluorobiphenyl  
 Concen: 104.50 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF084267.D  
 Acq: 5 Jan 2016 5:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 28.9  | 43.3  |
| 170     | 25.9  | 18.6  | 27.8  |



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: 2.97 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

Instrument :

BNA\_F

ClientSampleId :

W-39

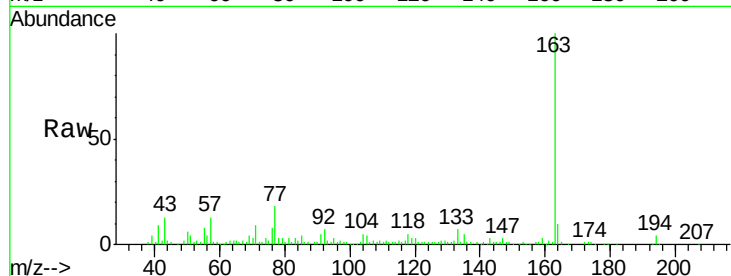
Tot Ion:163 Resp: 104349

Ion Ratio Lower Upper

163 100

194 4.1 8.0 12.0#

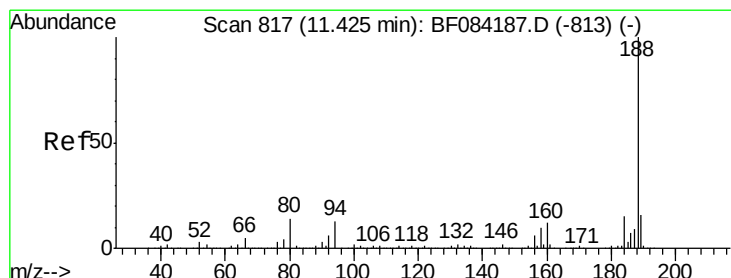
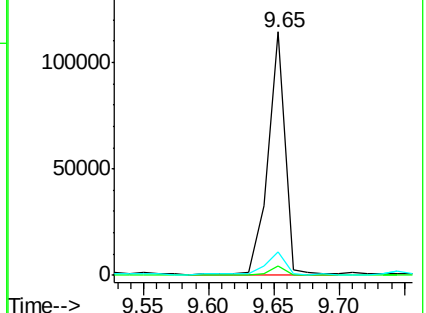
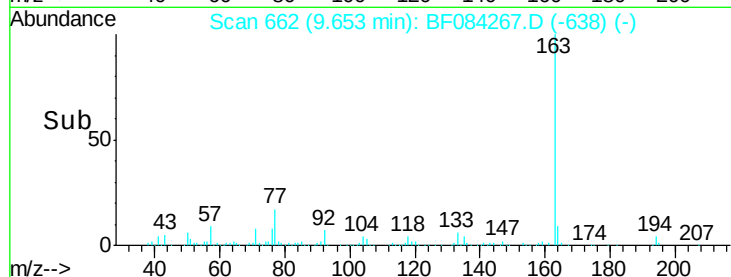
164 9.6 8.0 12.0



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: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

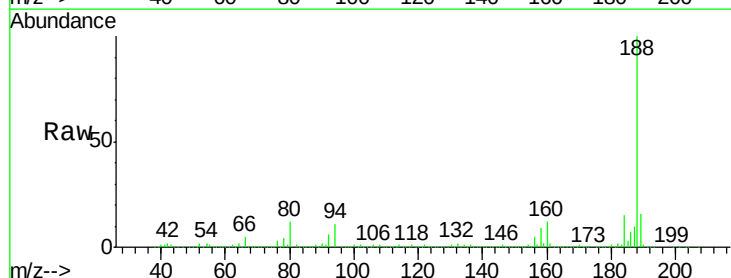
Tgt Ion:188 Resp: 833120

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

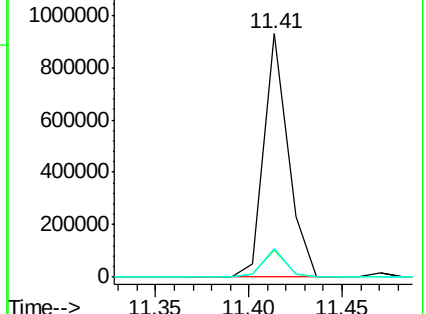
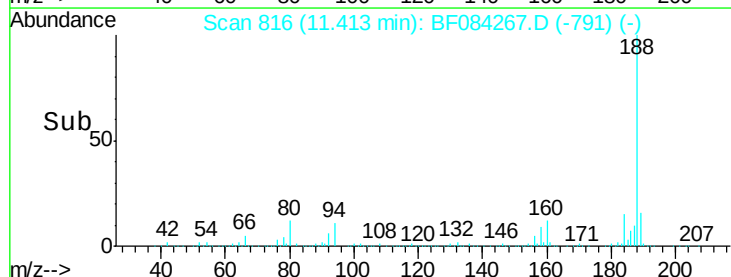
80 11.8 9.6 14.4

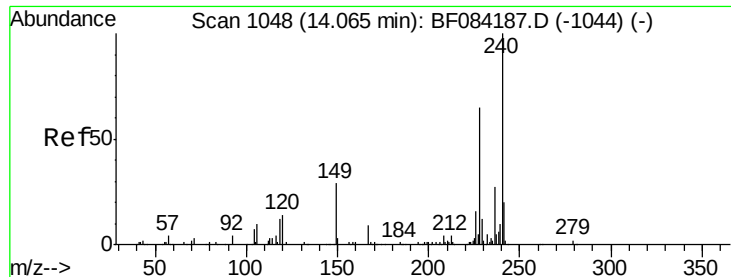


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

Instrument :

BNA\_F

ClientSampleId :

W-39

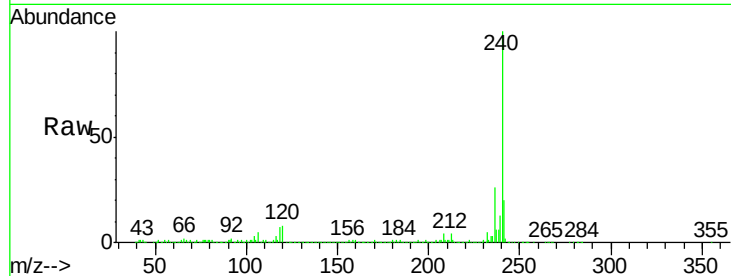
Tot Ion:240 Resp: 570704

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

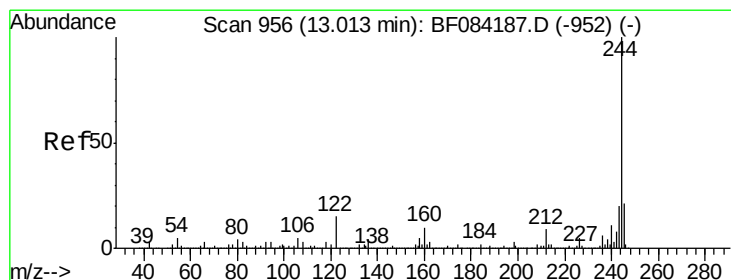
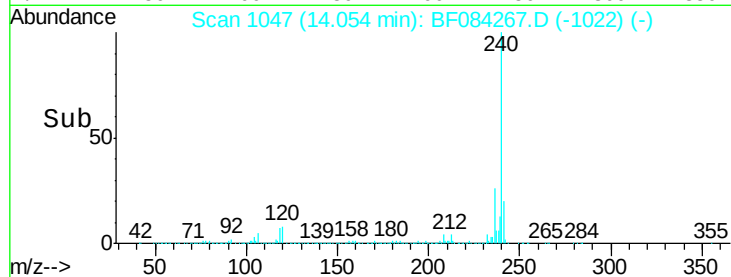
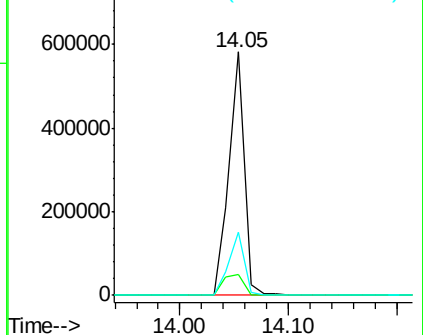
236 25.9 20.6 31.0



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: 69.79 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084267.D

Acq: 5 Jan 2016 5:59

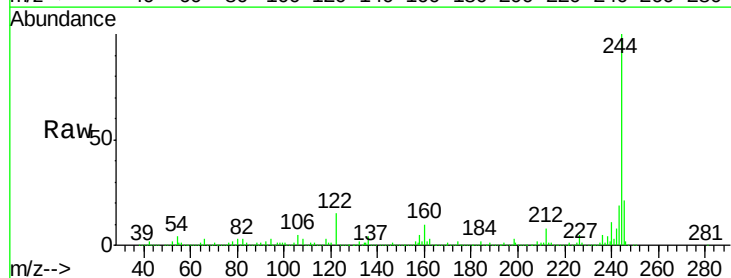
Tgt Ion:244 Resp: 1784301

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

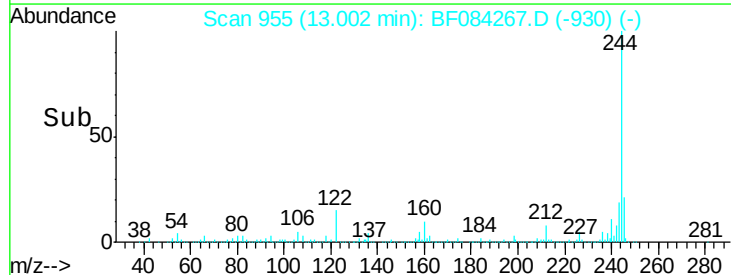
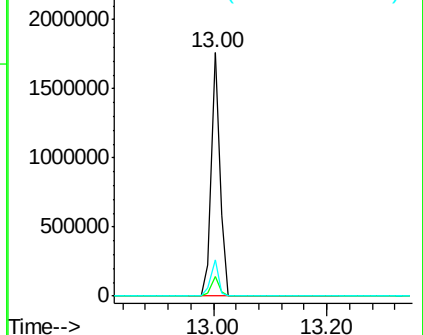
122 14.8 7.4 11.0#



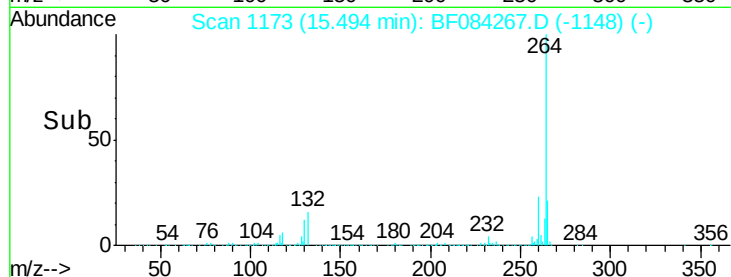
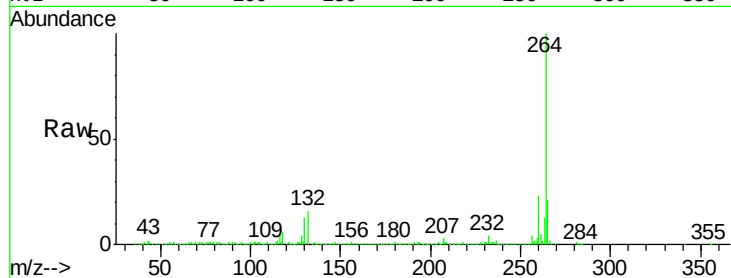
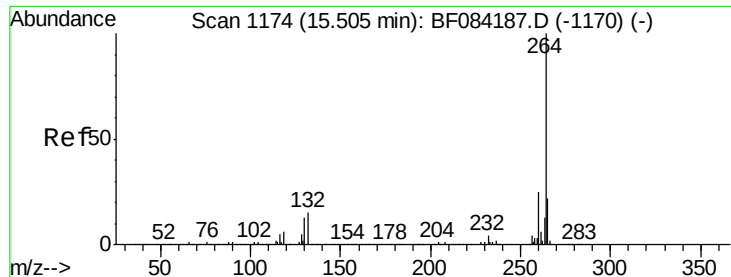
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.49 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: BF084267.D  
Acq: 5 Jan 2016 5:59

Instrument :  
BNA\_F  
ClientSampleId :  
W-39

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.4  | 29.2  |
| 265     | 21.1  | 17.8  | 26.6  |

