

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\  
 Data File : BF084028.D  
 Acq On : 23 Dec 2015 9:50  
 Operator : UM/SJ  
 Sample : G4919-02  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WEST-SIDEWALL

Quant Time: Dec 23 10:28:10 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 22 18:54:09 2015  
 Response via : Initial Calibration

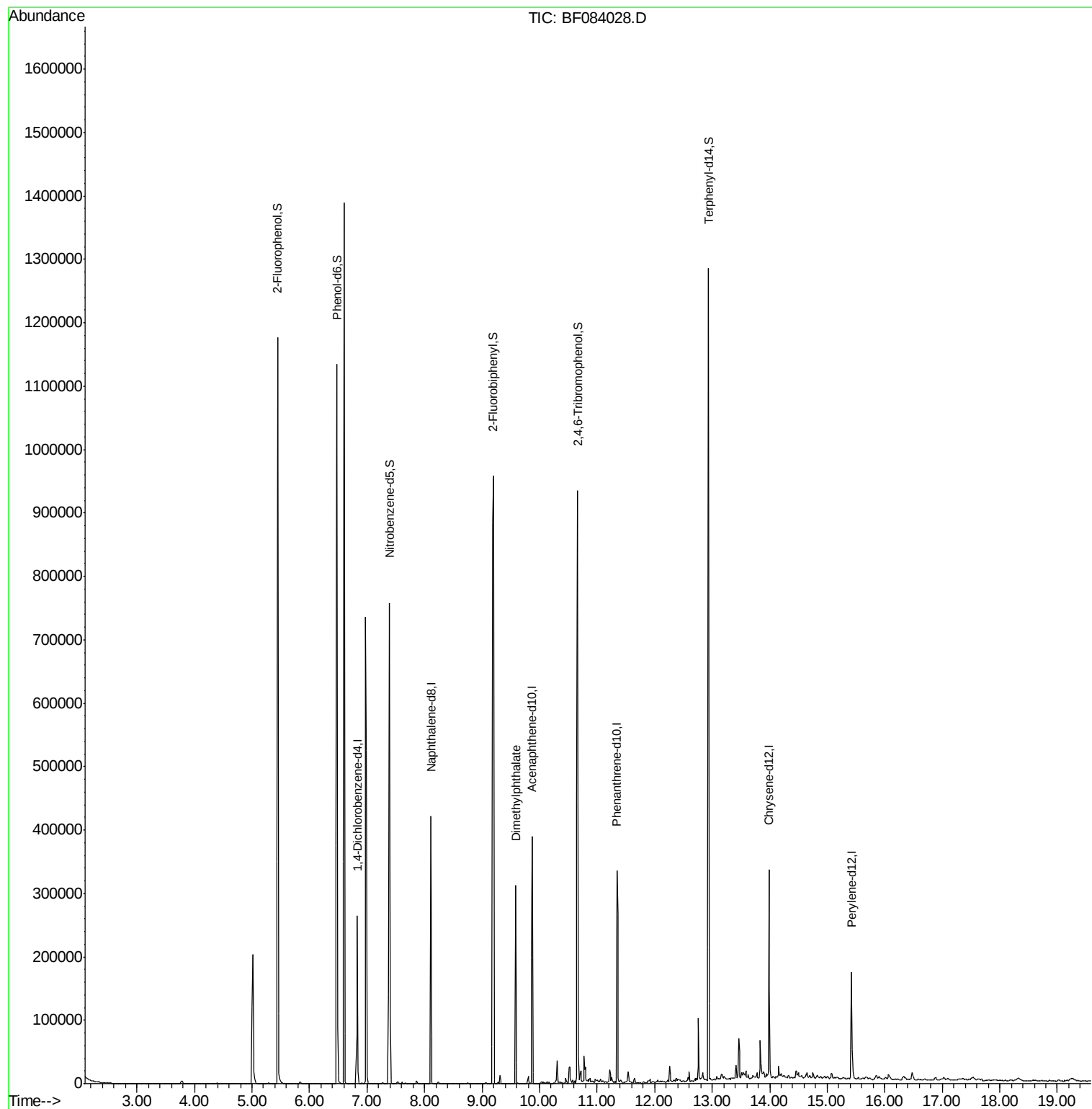
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 43749    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.11  | 136  | 185175   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.87  | 164  | 89877    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.35 | 188  | 167122   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.99 | 240  | 123366   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.43 | 264  | 97116    | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.45  | 112  | 339538   | 132.33 | ng    | 0.01           |
| 7) Phenol-d6                | 6.48  | 99   | 405310   | 134.35 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 240357   | 79.74  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 127003   | 146.91 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 461325   | 69.08  | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.93 | 244  | 357067   | 69.02  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.58  | 163  | 117509   | 16.71  | ng    | Qvalue<br># 90 |

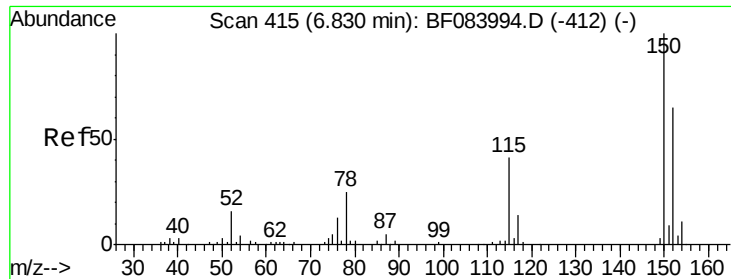
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\  
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Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
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WEST-SIDEWALL

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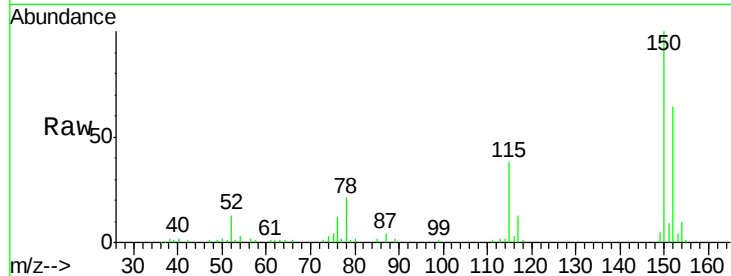




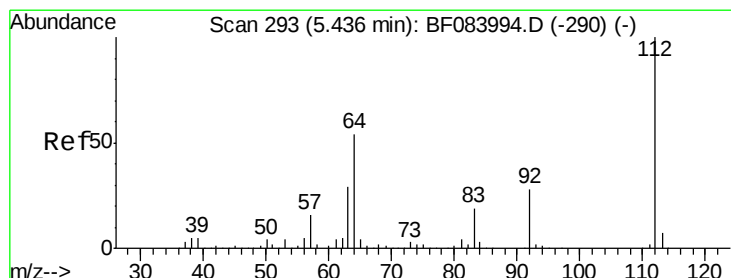
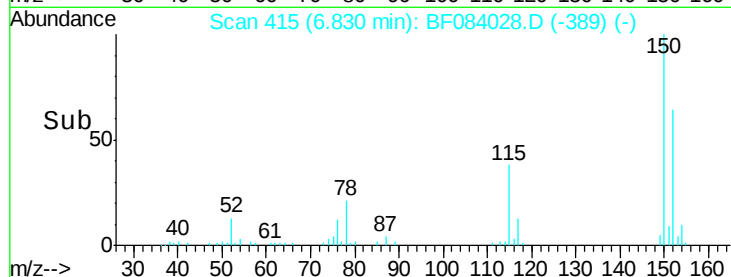
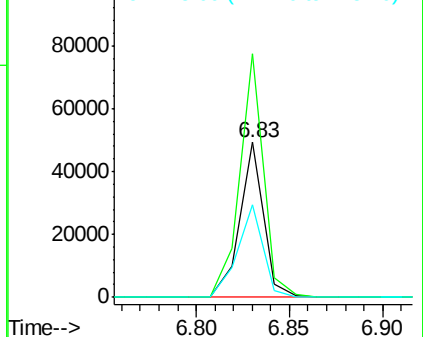
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.83 min Scan# 415  
 Delta R.T. 0.00 min  
 Lab File: BF084028.D  
 Acq: 23 Dec 2015 9:50

Instrument :  
 BNA\_F  
 ClientSampleID :  
 WEST-SIDEWALL

Tot Ion:152 Resp: 43749  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 123.0 184.4  
 115 59.5 51.4 77.2

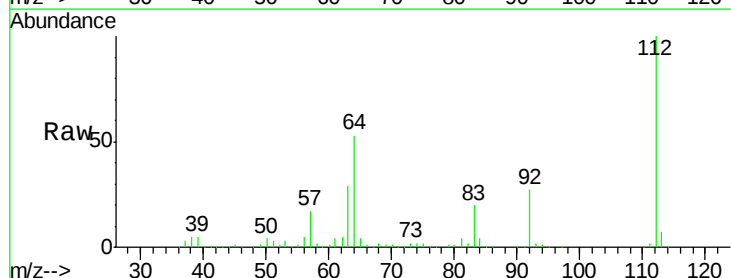


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

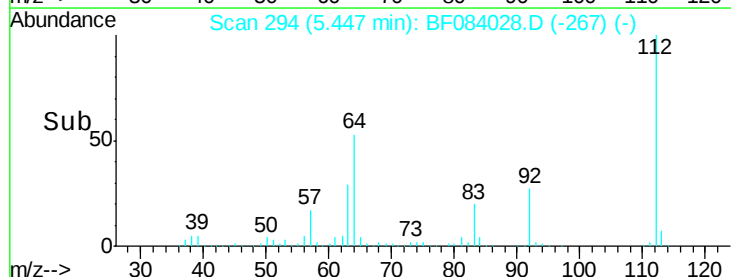
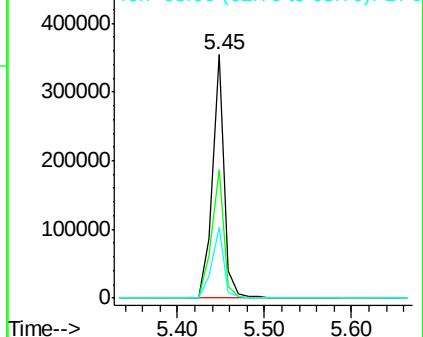


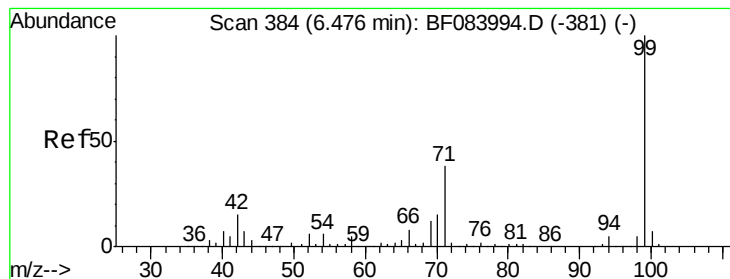
#5  
 2-Fluorophenol  
 Concen: 132.33 ng  
 RT: 5.45 min Scan# 294  
 Delta R.T. 0.01 min  
 Lab File: BF084028.D  
 Acq: 23 Dec 2015 9:50

Tgt Ion:112 Resp: 339538  
 Ion Ratio Lower Upper  
 112 100  
 64 52.6 36.6 55.0  
 63 29.1 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: 134.35 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084028.D

Acq: 23 Dec 2015 9:50

Instrument :

BNA\_F

ClientSampleId :

WEST-SIDEWALL

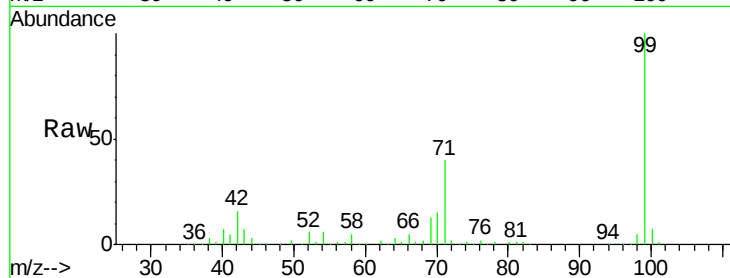
Tot Ion: 99 Resp: 405310

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

71 39.6 30.9 46.3



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

500000

400000

300000

200000

100000

0

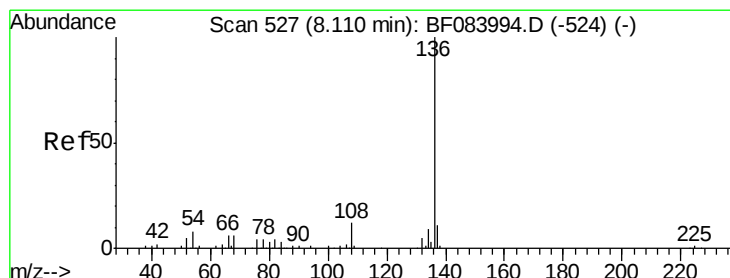
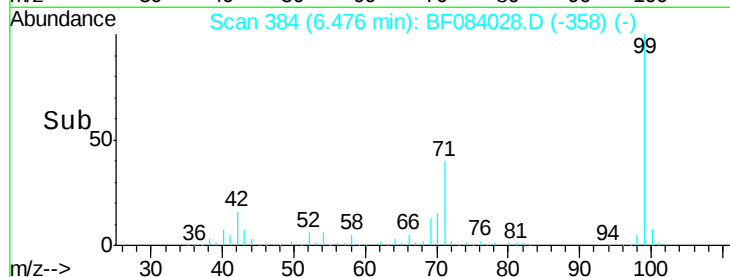
6.48

6.40

6.50

6.60

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF084028.D

Acq: 23 Dec 2015 9:50

Tgt Ion: 136 Resp: 185175

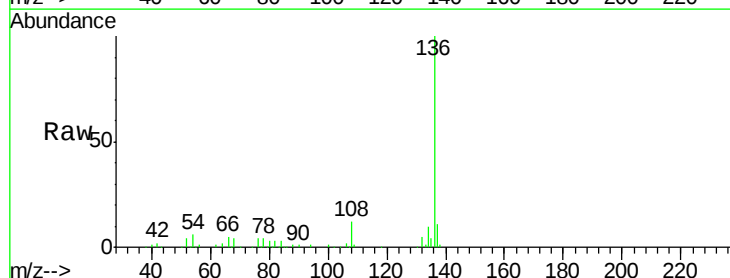
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.0 5.8 8.8

68 4.5 4.2 6.2



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

300000

250000

200000

150000

100000

50000

0

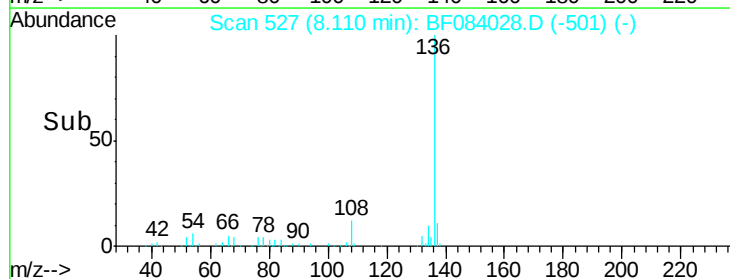
8.11

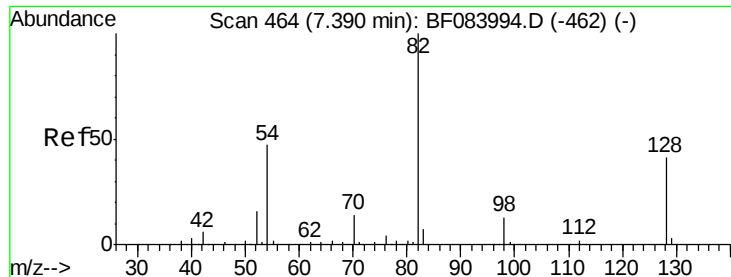
8.05

8.15

8.20

Time-->

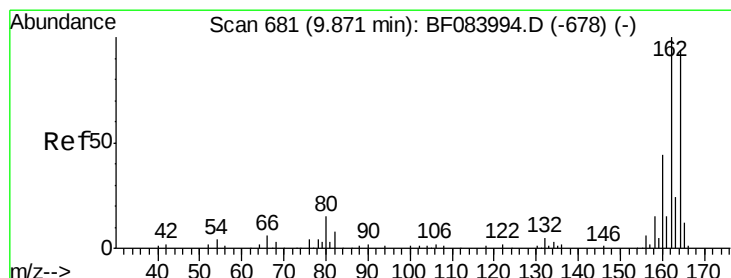
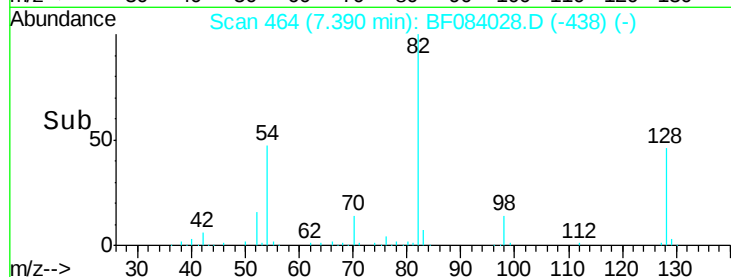
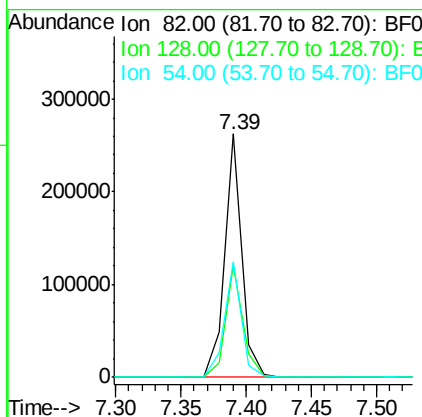
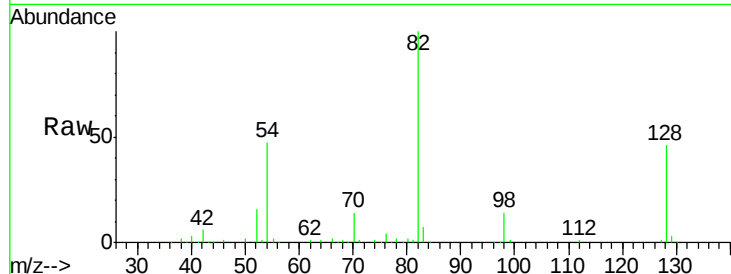




#23  
 Nitrobenzene-d5  
 Concen: 79.74 ng  
 RT: 7.39 min Scan# 464  
 Delta R.T. 0.00 min  
 Lab File: BF084028.D  
 Acq: 23 Dec 2015 9:50

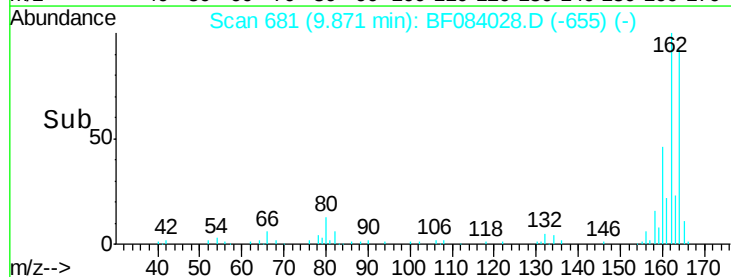
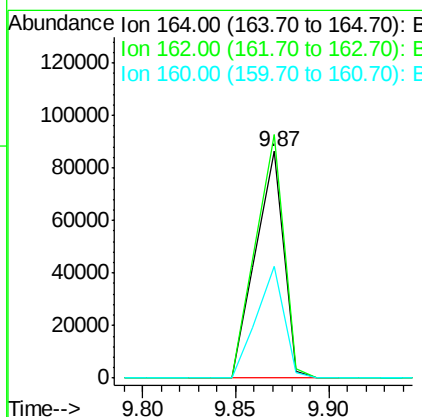
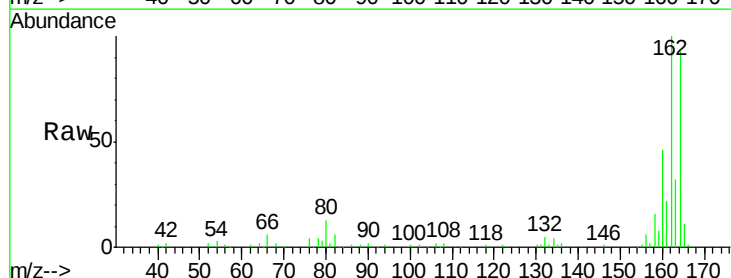
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WEST-SIDEWALL

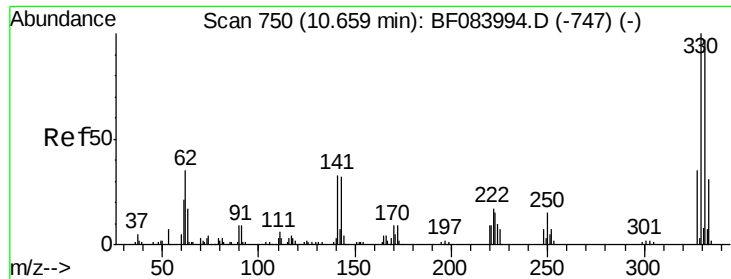
| Tot Ion   | 82   | Resp  | 240357 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.8 | 34.6  | 51.8   |
| 54        | 47.3 | 38.4  | 57.6   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.87 min Scan# 681  
 Delta R.T. 0.00 min  
 Lab File: BF084028.D  
 Acq: 23 Dec 2015 9:50

| Tgt Ion   | 164   | Resp  | 89877 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 107.5 | 85.1  | 127.7 |
| 160       | 49.3  | 37.5  | 56.3  |

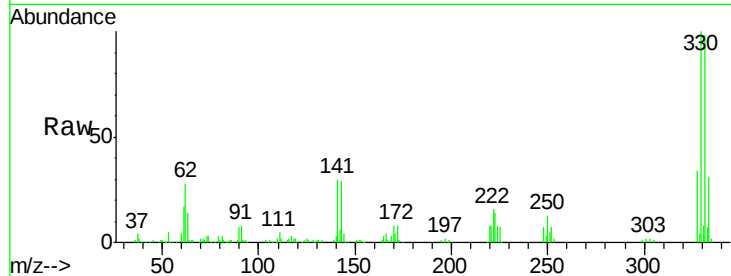




#41  
 2,4,6-Tribromophenol  
 Concen: 146.91 ng  
 RT: 10.66 min Scan# 750  
 Delta R.T. 0.00 min  
 Lab File: BF084028.D  
 Acq: 23 Dec 2015 9:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WEST-SIDEWALL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 76.6  | 114.8 |
| 141     | 38.9  | 27.8  | 41.6  |

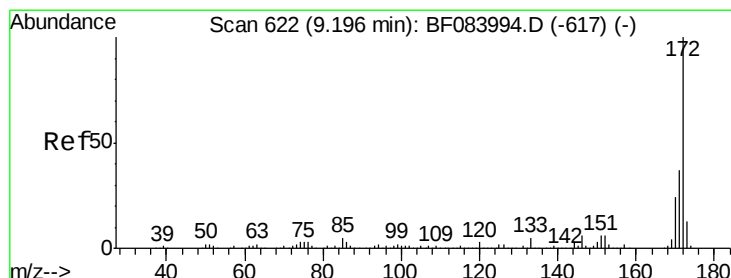
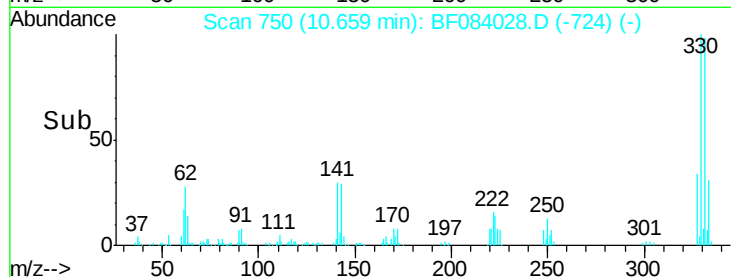
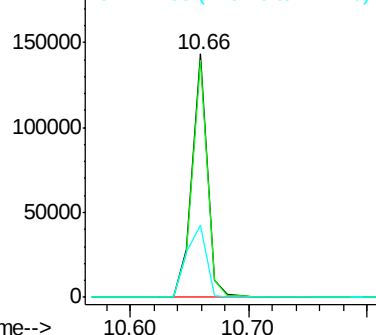


Abundance

Ion 329.80 (329.50 to 330.50): E

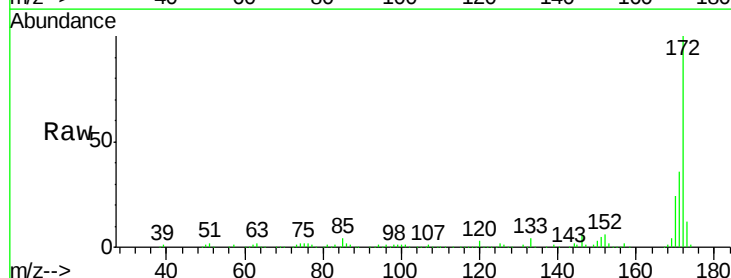
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 69.08 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. 0.00 min  
 Lab File: BF084028.D  
 Acq: 23 Dec 2015 9:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.9  | 43.3  |
| 170     | 23.5  | 18.6  | 27.8  |

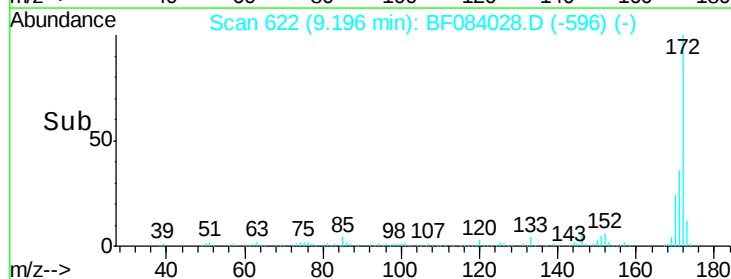
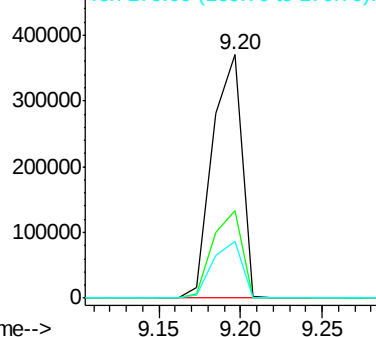


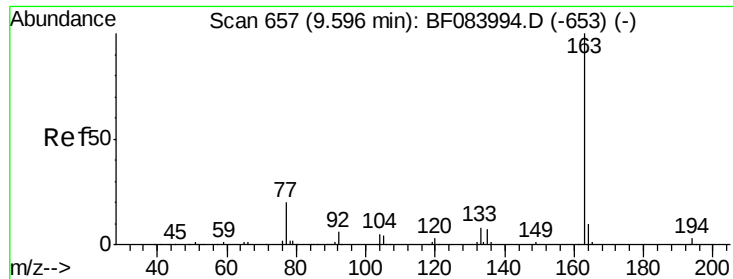
Abundance

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

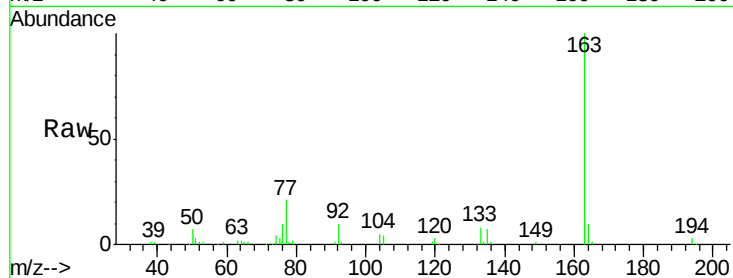




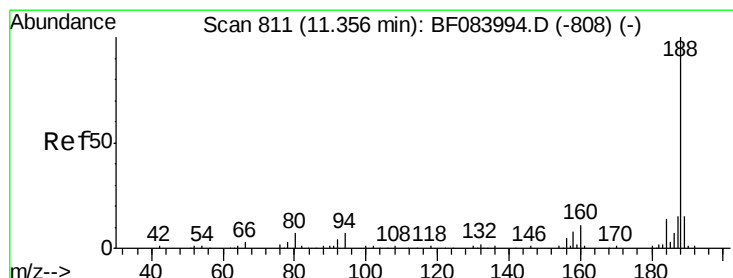
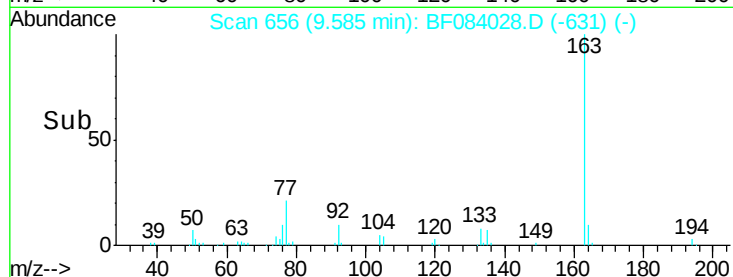
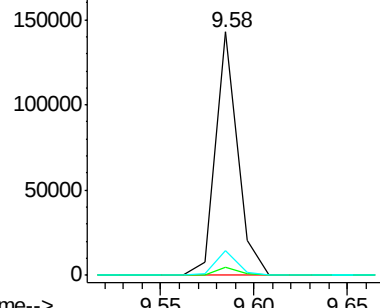
#49  
Dimethylphthalate  
Concen: 16.71 ng  
RT: 9.58 min Scan# 656  
Delta R.T. -0.01 min  
Lab File: BF084028.D  
Acq: 23 Dec 2015 9:50

Instrument :  
BNA\_F  
ClientSampleId :  
WEST-SIDEWALL

Tot Ion:163 Resp: 117509  
Ion Ratio Lower Upper  
163 100  
194 3.1 8.0 12.0#  
164 10.2 8.0 12.0

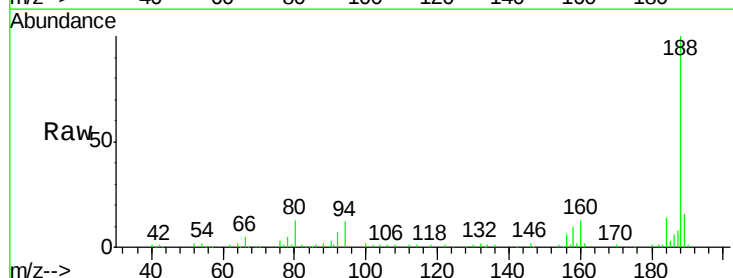


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

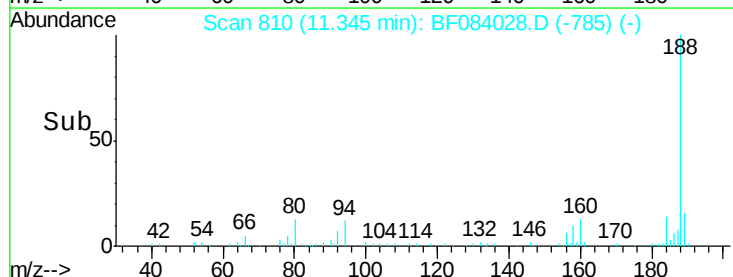
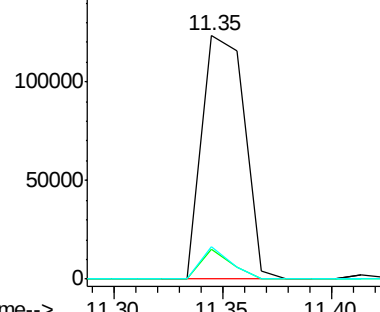


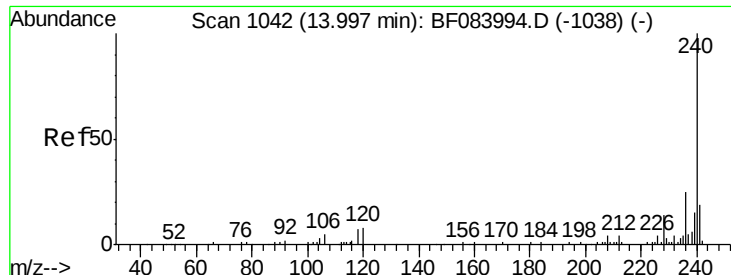
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.35 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF084028.D  
Acq: 23 Dec 2015 9:50

Tgt Ion:188 Resp: 167122  
Ion Ratio Lower Upper  
188 100  
94 12.0 9.0 13.4  
80 13.4 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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084028.D

Acq: 23 Dec 2015 9:50

Instrument :

BNA\_F

ClientSampleId :

WEST-SIDEWALL

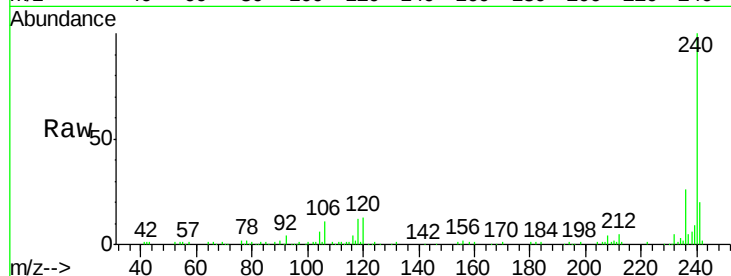
Tot Ion:240 Resp: 123366

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

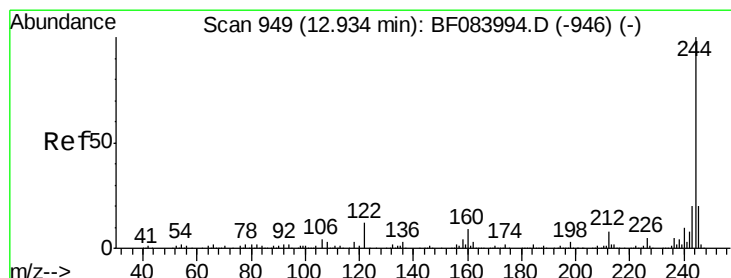
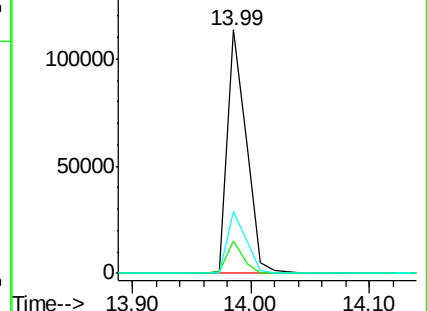
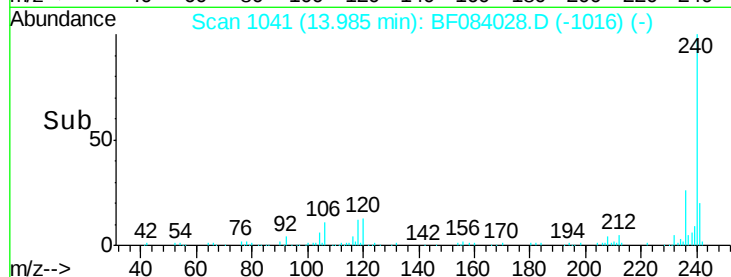
236 25.5 20.6 31.0



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: 69.02 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF084028.D

Acq: 23 Dec 2015 9:50

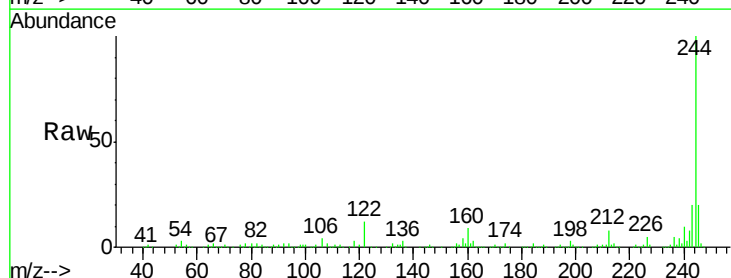
Tgt Ion:244 Resp: 357067

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

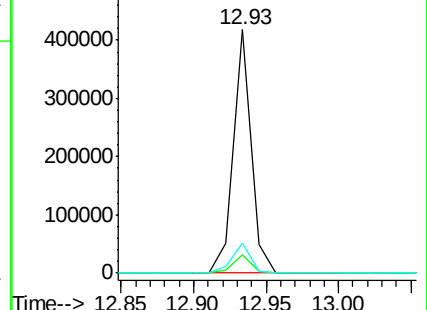
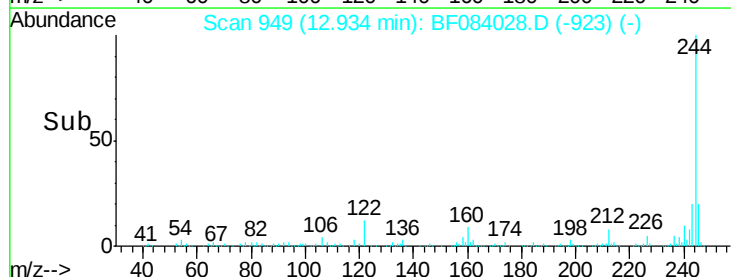
122 12.4 7.4 11.0#

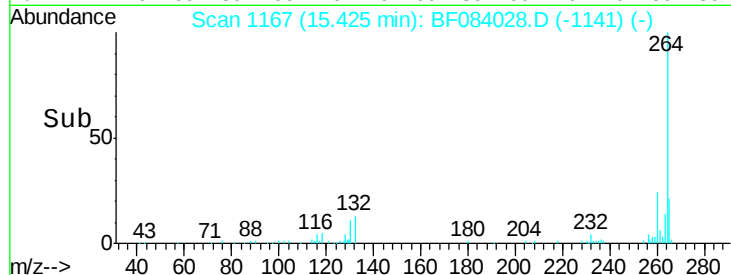
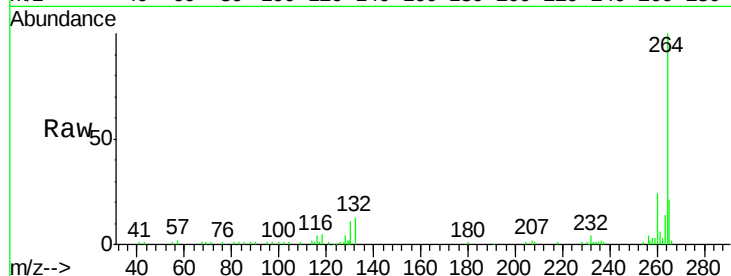
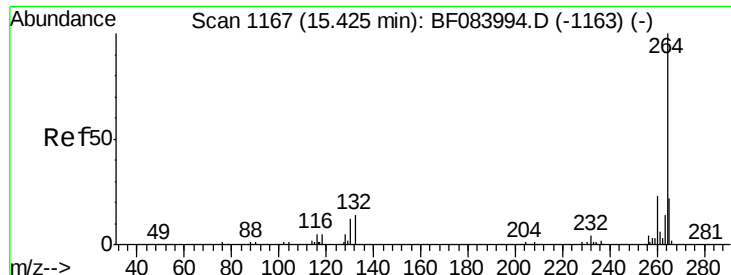


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 1167  
Delta R.T. 0.00 min  
Lab File: BF084028.D  
Acq: 23 Dec 2015 9:50

Instrument :  
BNA\_F  
ClientSampleId :  
WEST-SIDEWALL

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 97116     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.3  | 19.4 29.2 |
| 265         | 20.6  | 17.8 26.6 |

