

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\  
 Data File : BF082636.D  
 Acq On : 2 Nov 2015 17:39  
 Operator : UM/IZ  
 Sample : PB86380BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86380BL

Quant Time: Nov 03 03:18:02 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 31 00:17:39 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 271375   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.17  | 136  | 941918   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.93  | 164  | 499727   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.41 | 188  | 976574   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 14.05 | 240  | 965828   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.51 | 264  | 818170   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1710247  | 94.92 | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 2288304  | 95.60 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 1406304  | 60.97 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 518684   | 94.84 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 2128755  | 60.48 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.01 | 244  | 2512862  | 56.94 | ng    | -0.01    |

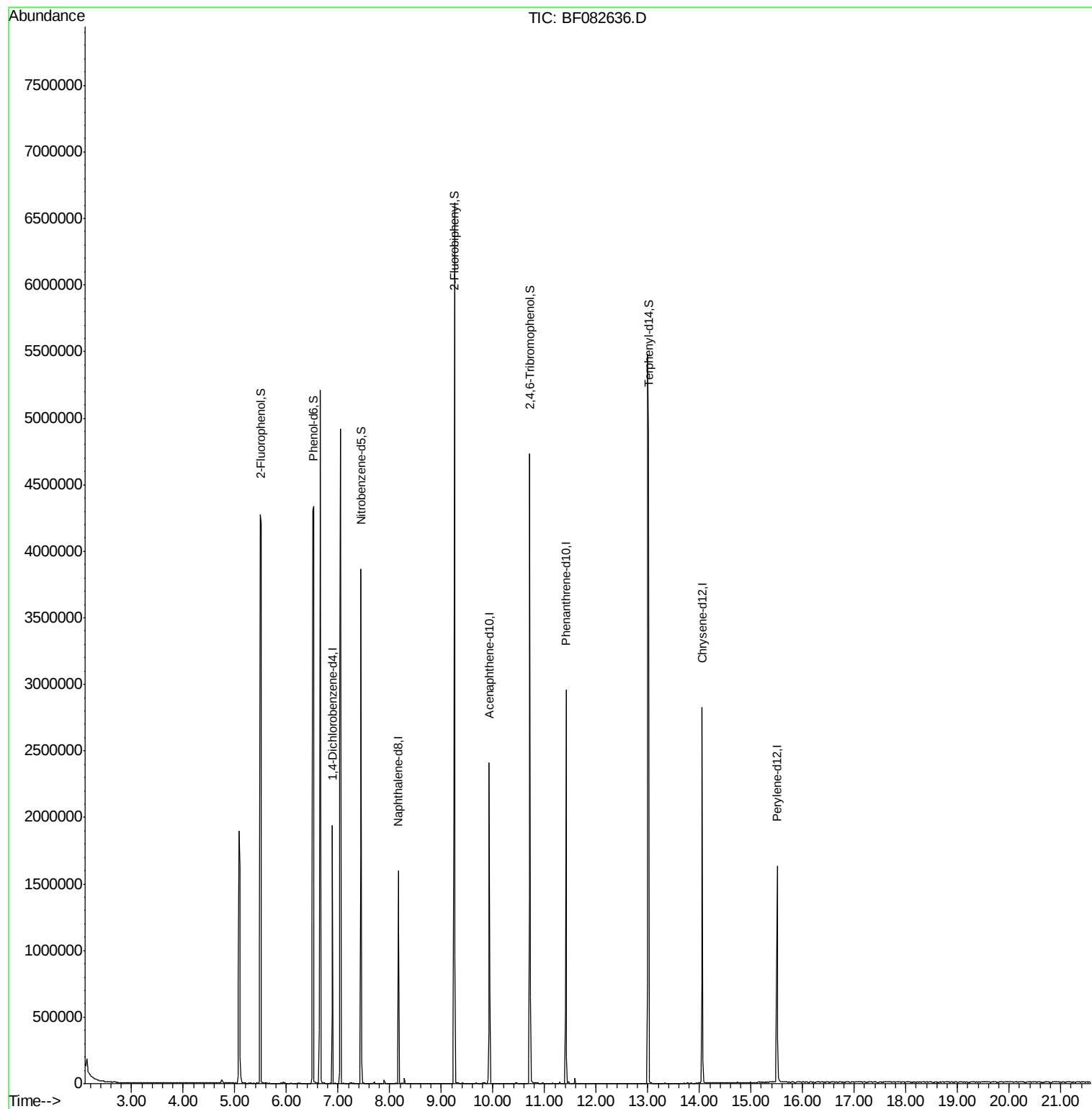
Target Compounds Qvalue

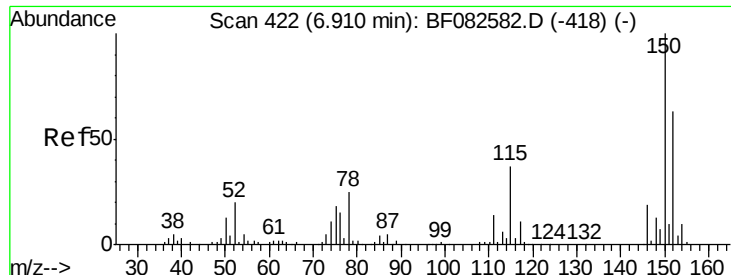
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
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QLast Update : Sat Oct 31 00:17:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

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Instrument :

BNA\_F

ClientSampleId :

PB86380BL

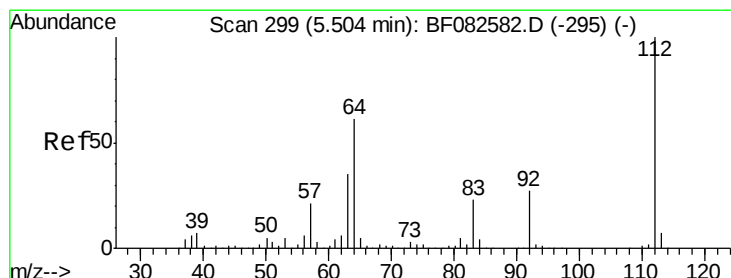
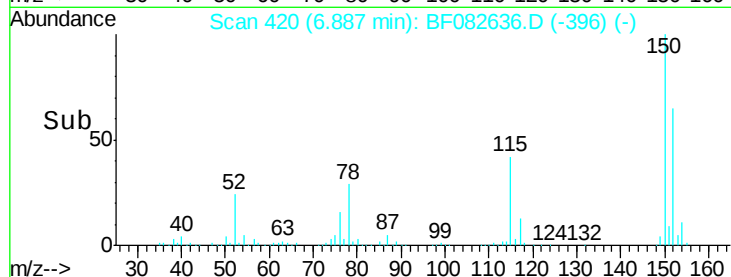
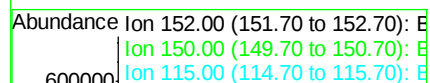
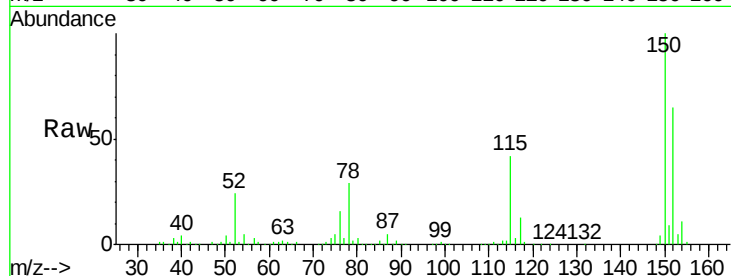
Tot Ion:152 Resp: 271375

Ion Ratio Lower Upper

152 100

150 152.9 127.0 190.4

115 63.6 47.0 70.6



#5

2-Fluorophenol

Concen: 94.92 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.00 min

Lab File: BF082636.D

Acq: 2 Nov 2015 17:39

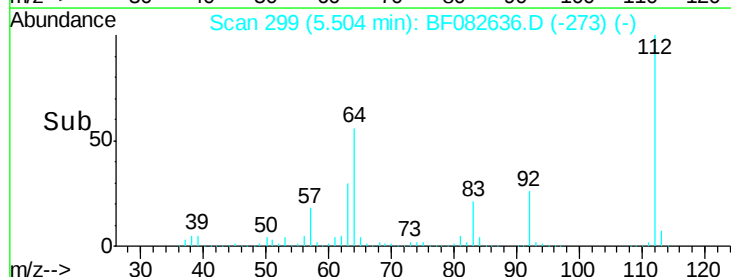
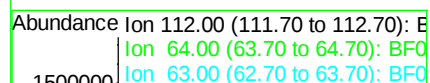
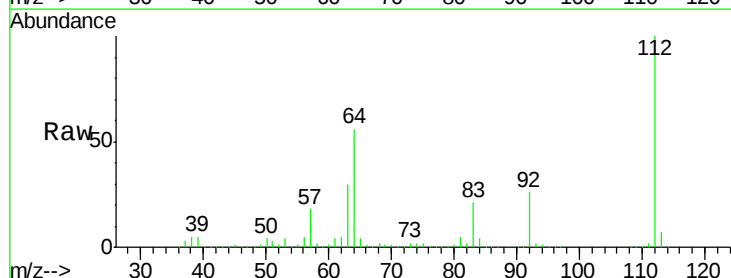
Tgt Ion:112 Resp: 1710247

Ion Ratio Lower Upper

112 100

64 55.6 48.9 73.3

63 29.9 28.1 42.1





#7

Phenol-d6

Concen: 95.60 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082636.D

Acq: 2 Nov 2015 17:39

Instrument :

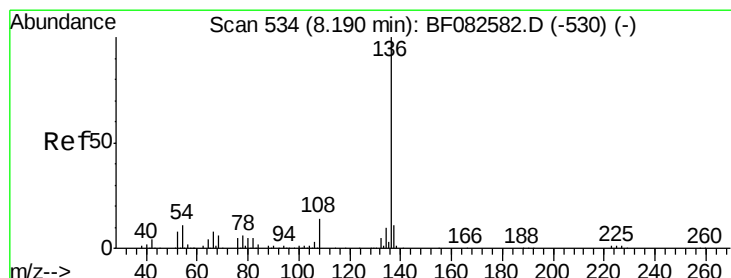
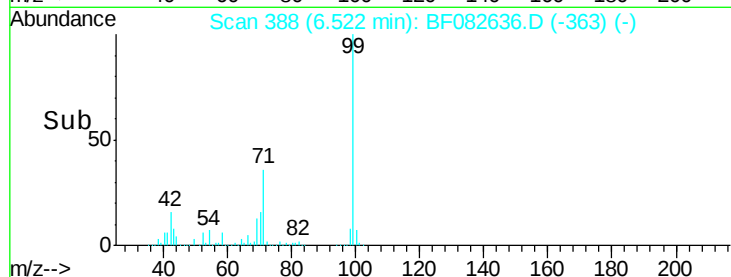
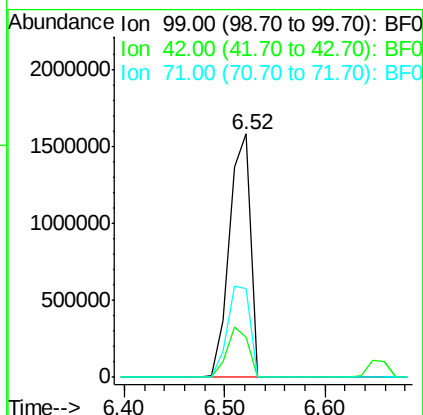
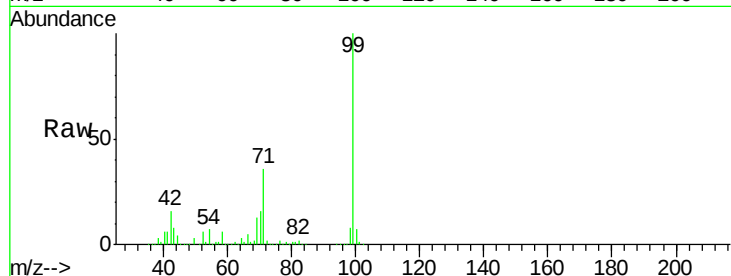
BNA\_F

ClientSampleId :

PB86380BL

Tot Ion: 99 Resp: 2288304

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.3  | 19.2  | 28.8# |
| 71  | 36.4  | 35.0  | 52.4  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

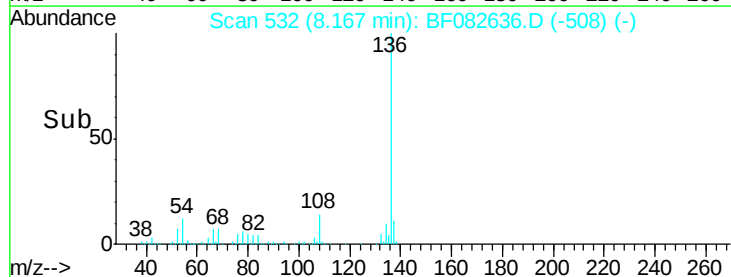
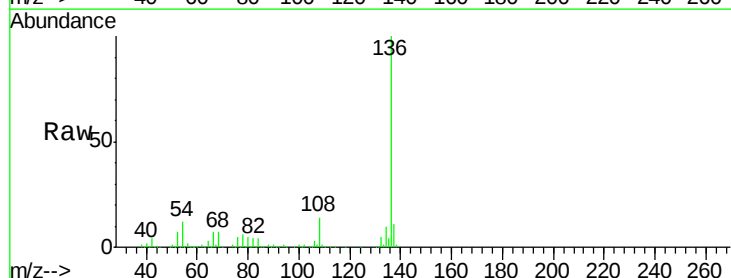
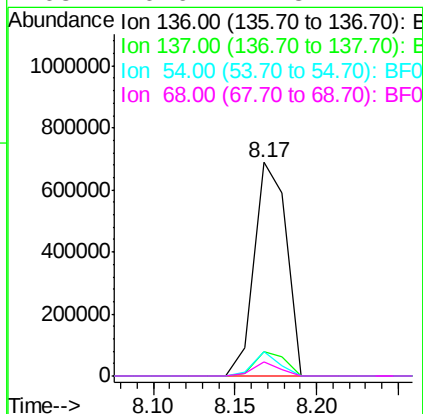
Delta R.T. -0.02 min

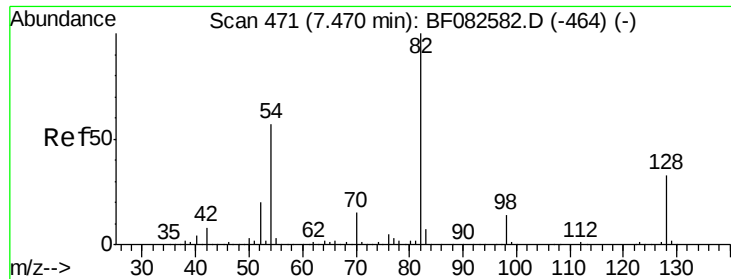
Lab File: BF082636.D

Acq: 2 Nov 2015 17:39

Tgt Ion: 136 Resp: 941918

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 9.1   | 13.7  |
| 54  | 11.7  | 9.1   | 13.7  |
| 68  | 6.6   | 4.8   | 7.2   |





#23

Nitrobenzene-d5

Concen: 60.97 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.02 min

Lab File: BF082636.D

Acq: 2 Nov 2015 17:39

Instrument :

BNA\_F

ClientSampleId :

PB86380BL

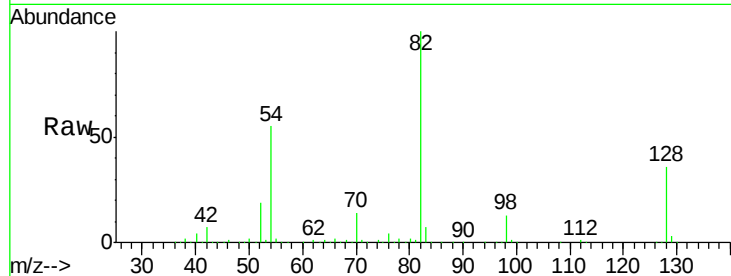
Tot Ion: 82 Resp: 1406304

Ion Ratio Lower Upper

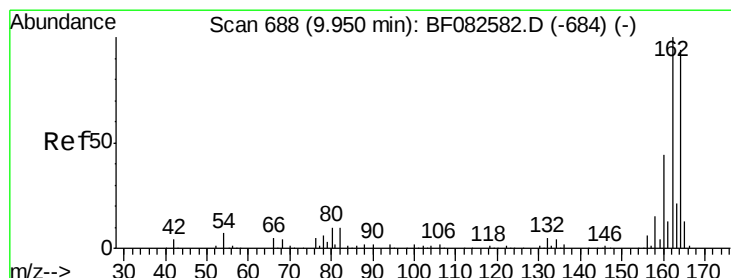
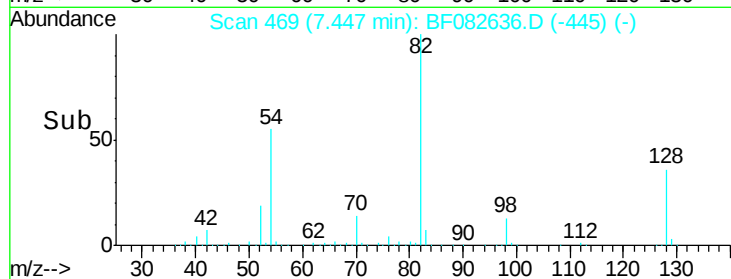
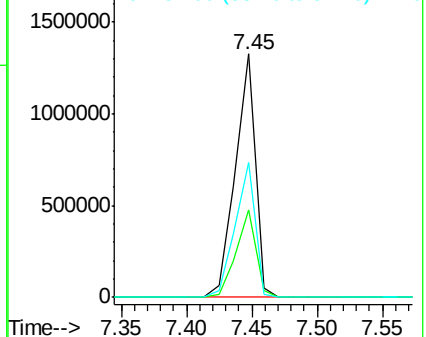
82 100

128 35.7 26.8 40.2

54 55.1 45.7 68.5



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: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF082636.D

Acq: 2 Nov 2015 17:39

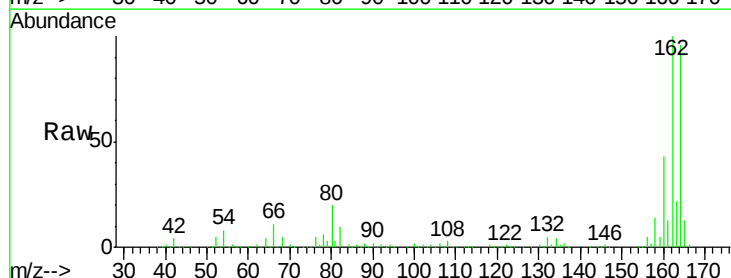
Tgt Ion:164 Resp: 499727

Ion Ratio Lower Upper

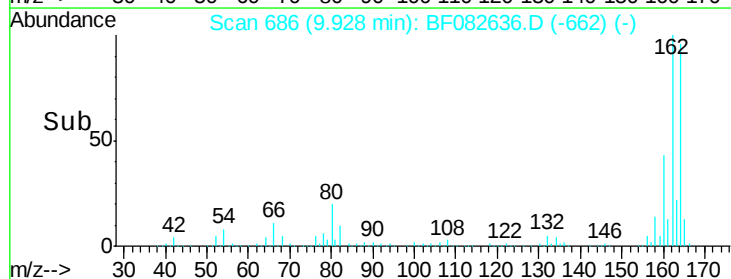
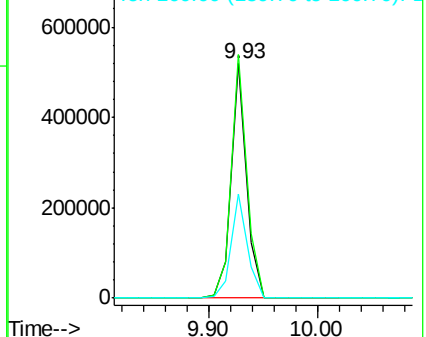
164 100

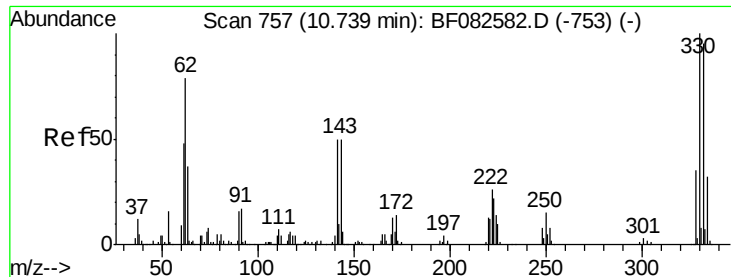
162 104.0 84.9 127.3

160 44.6 37.5 56.3



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

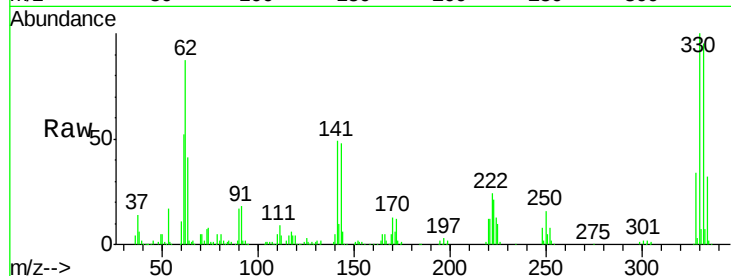




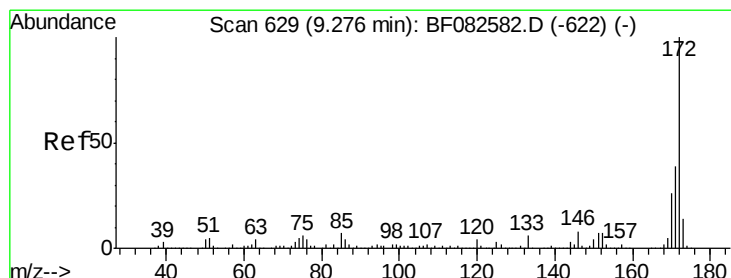
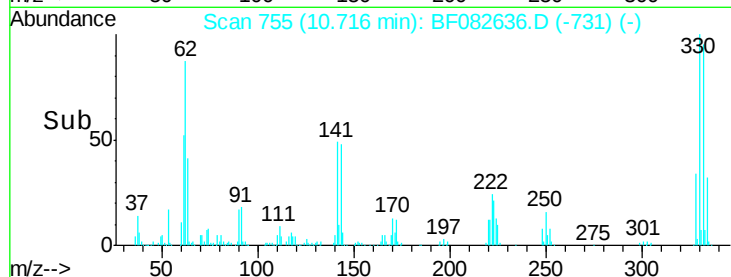
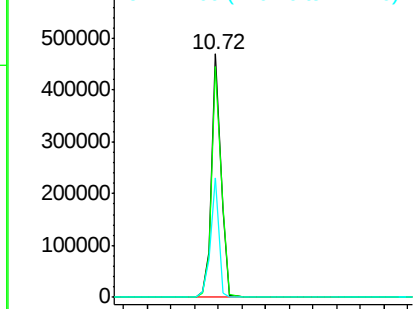
#41  
 2,4,6-Tribromophenol  
 Concen: 94.84 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.02 min  
 Lab File: BF082636.D  
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Instrument :  
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Tot Ion:330 Resp: 518684  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.6 114.8  
 141 43.2 41.2 61.8

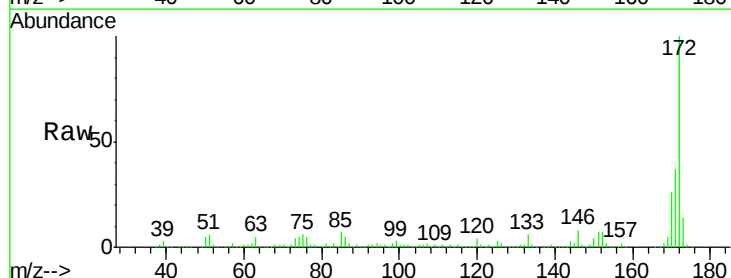


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

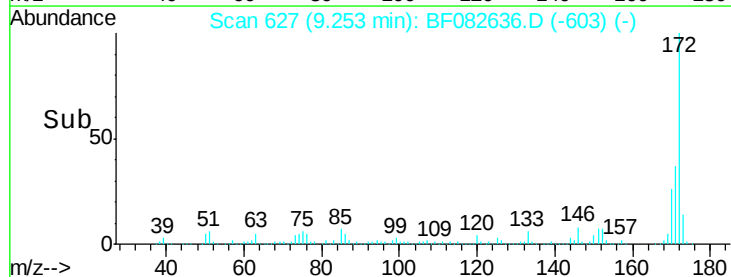
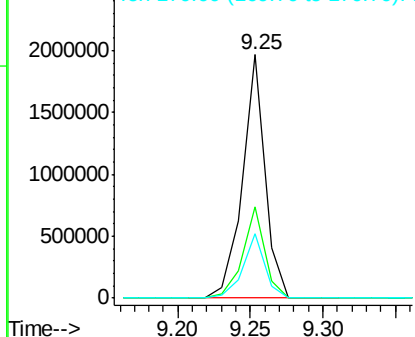


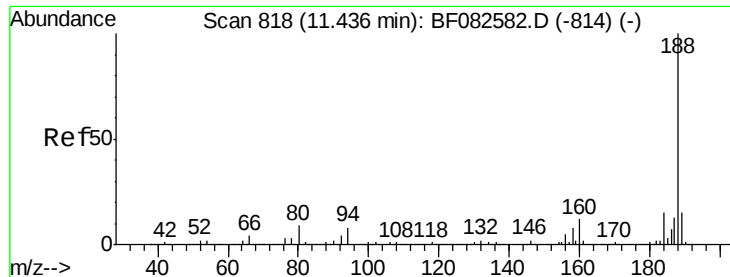
#44  
 2-Fluorobiphenyl  
 Concen: 60.48 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.02 min  
 Lab File: BF082636.D  
 Acq: 2 Nov 2015 17:39

Tgt Ion:172 Resp: 2128755  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 30.8 46.2  
 170 26.2 21.2 31.8



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

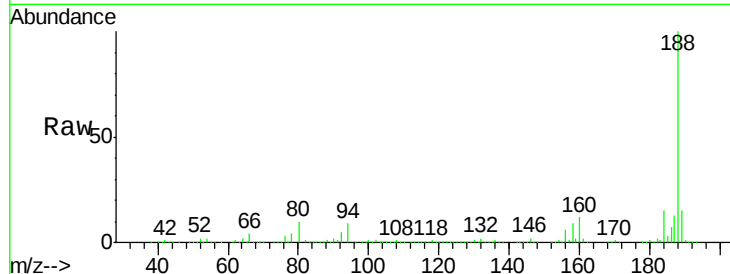




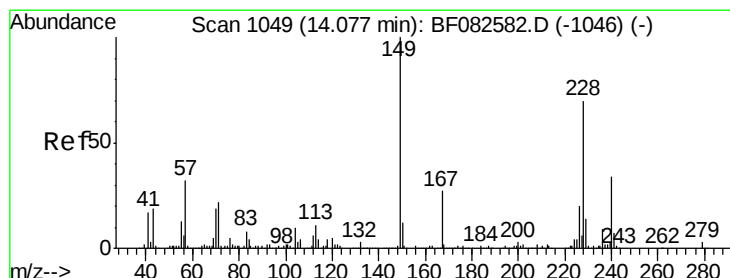
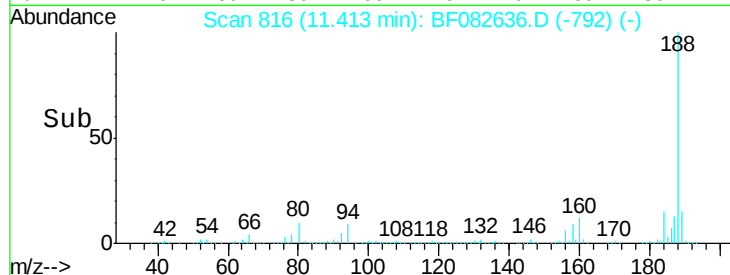
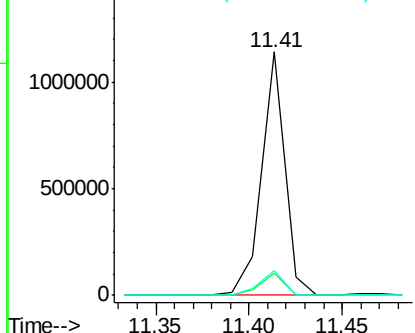
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 816  
Delta R.T. -0.02 min  
Lab File: BF082636.D  
Acq: 2 Nov 2015 17:39

Instrument :  
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PB86380BL

Tot Ion:188 Resp: 976574  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.1 9.1  
80 10.3 7.0 10.6

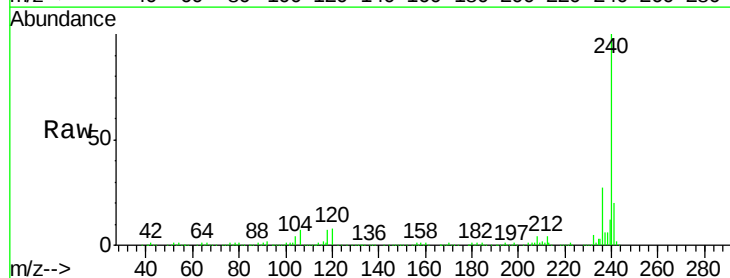


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

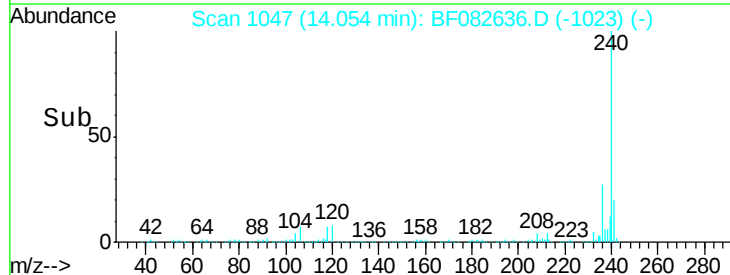
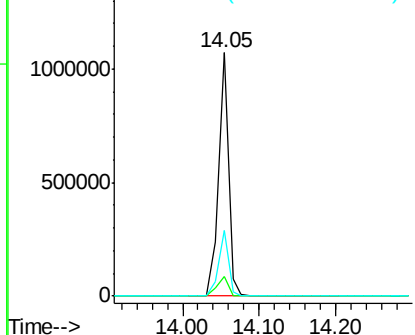


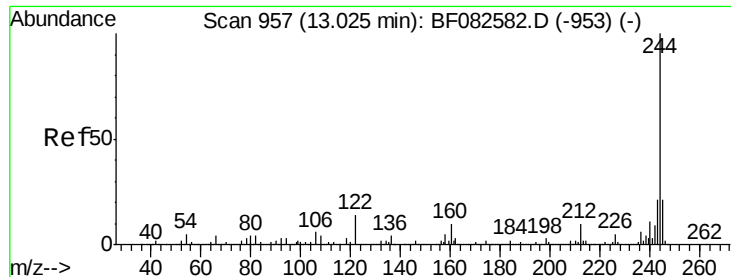
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.05 min Scan# 1047  
Delta R.T. -0.02 min  
Lab File: BF082636.D  
Acq: 2 Nov 2015 17:39

Tgt Ion:240 Resp: 965828  
Ion Ratio Lower Upper  
240 100  
120 8.0 10.9 16.3#  
236 26.8 21.6 32.4



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



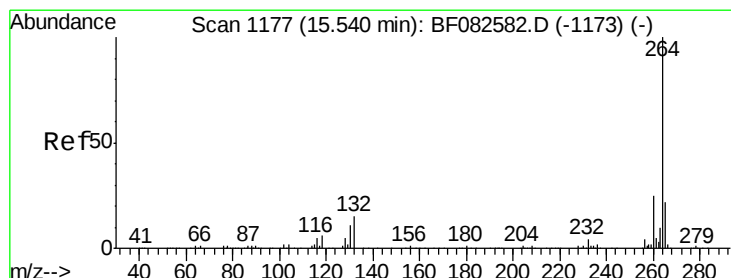
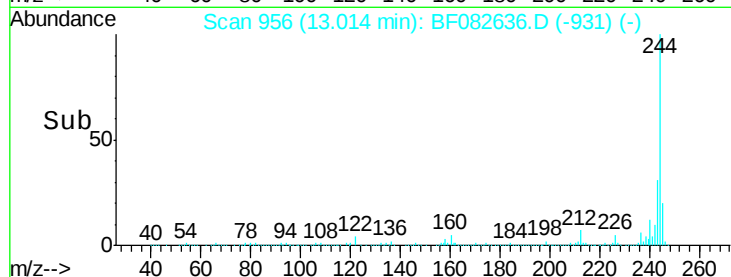
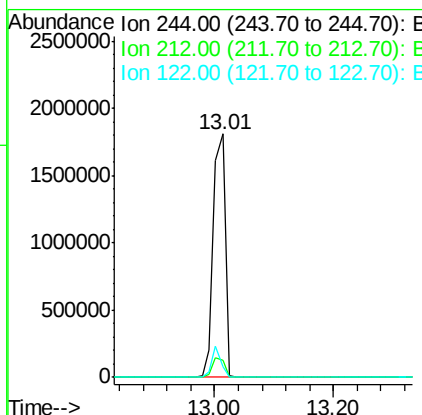
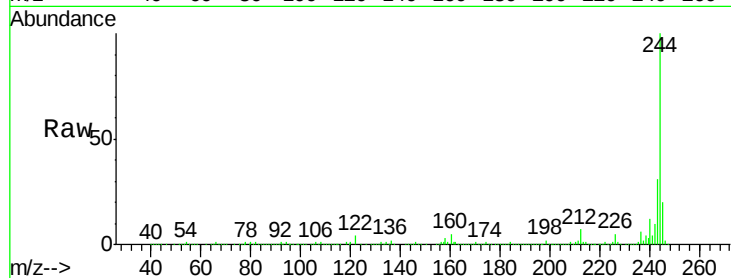


#78  
 Terphenyl-d14  
 Concen: 56.94 ng  
 RT: 13.01 min Scan# 956  
 Delta R.T. -0.01 min  
 Lab File: BF082636.D  
 Acq: 2 Nov 2015 17:39

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 PB86380BL

Tot Ion:244 Resp: 2512862  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 7.6   | 11.4# |
| 122 | 4.4   | 11.3  | 16.9# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.51 min Scan# 1174  
 Delta R.T. -0.03 min  
 Lab File: BF082636.D  
 Acq: 2 Nov 2015 17:39

Tgt Ion:264 Resp: 818170  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.8  | 29.6  |
| 265 | 22.1  | 17.4  | 26.0  |

