

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111015\  
 Data File : BF082875.D  
 Acq On : 10 Nov 2015 17:51  
 Operator : UM/IZ  
 Sample : G4326-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151102MGP217BRV64

Quant Time: Nov 13 17:45:03 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 13 17:36:38 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 218779   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 823814   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.86  | 164  | 481810   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 864553   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 767709   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.41 | 264  | 641014   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 744985   | 52.98 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 699513   | 37.42 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 1394538  | 73.66 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 499117   | 90.35 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 2175146  | 64.70 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 2293336  | 70.85 | ng    | 0.00     |

Target Compounds Qvalue

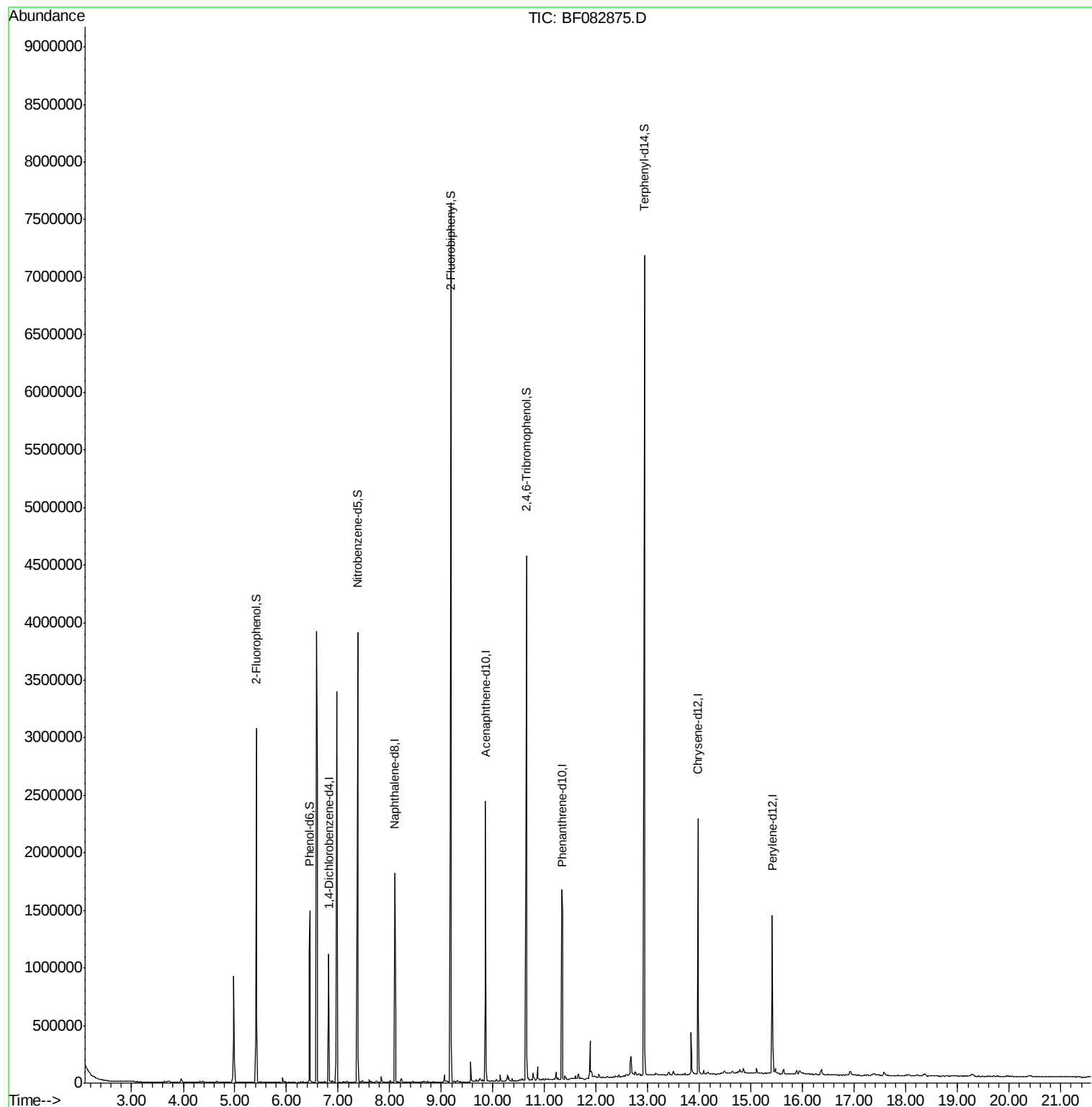
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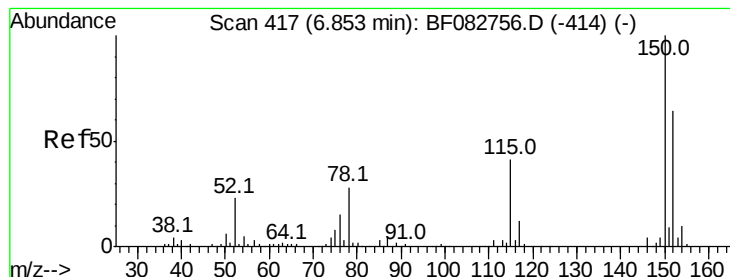
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 13 17:36:38 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

Instrument :

BNA\_F

ClientSampleId :

20151102MGP217BRV64

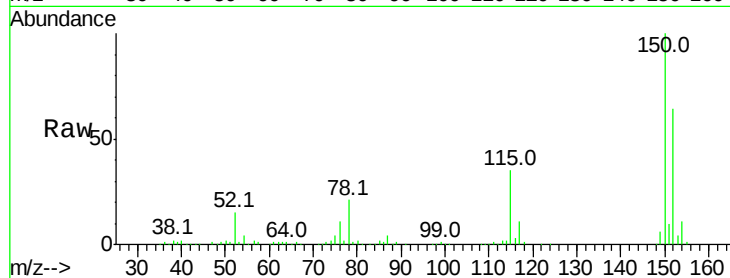
Tot Ion:152 Resp: 218779

Ion Ratio Lower Upper

152 100

150 156.4 127.0 190.4

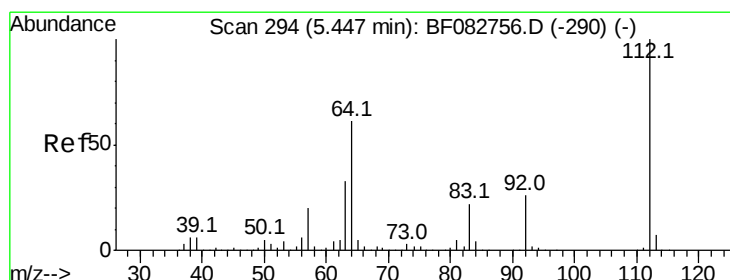
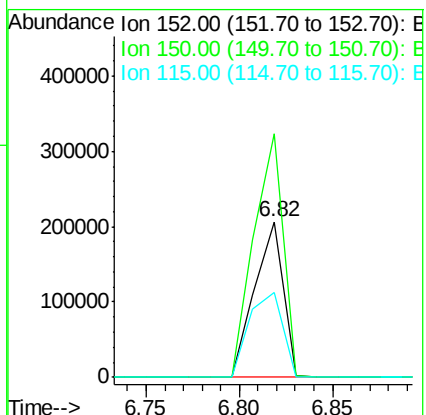
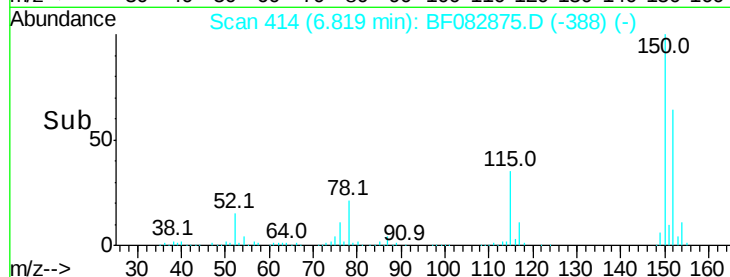
115 54.4 47.0 70.6



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: 52.98 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

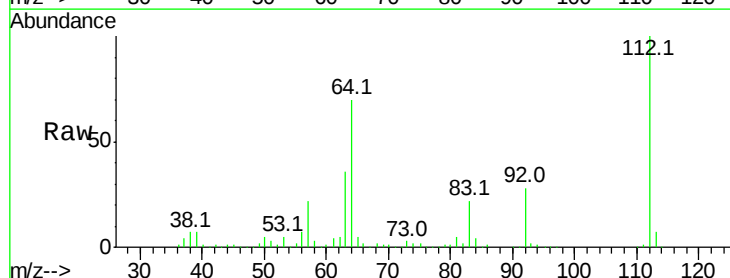
Tgt Ion:112 Resp: 744985

Ion Ratio Lower Upper

112 100

64 69.7 48.9 73.3

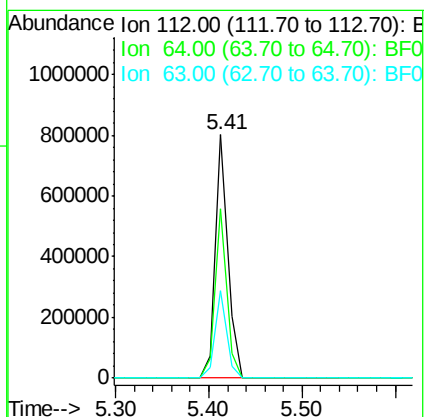
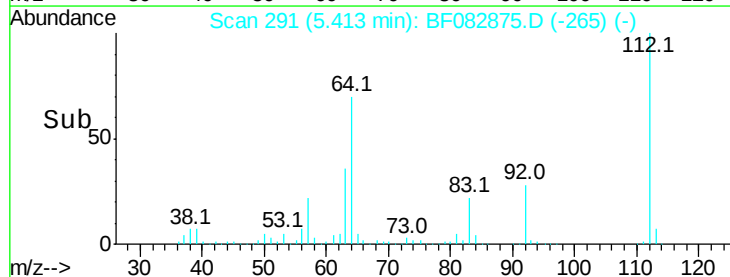
63 35.9 28.1 42.1

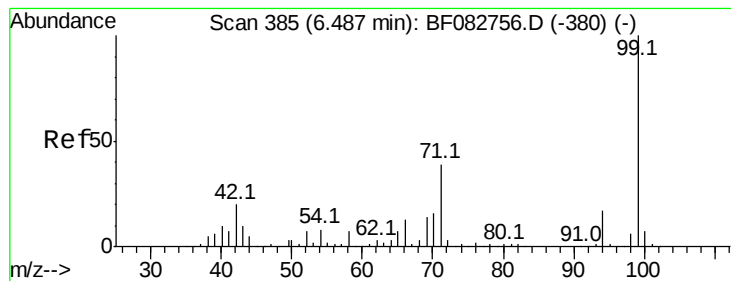


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.42 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

Instrument :

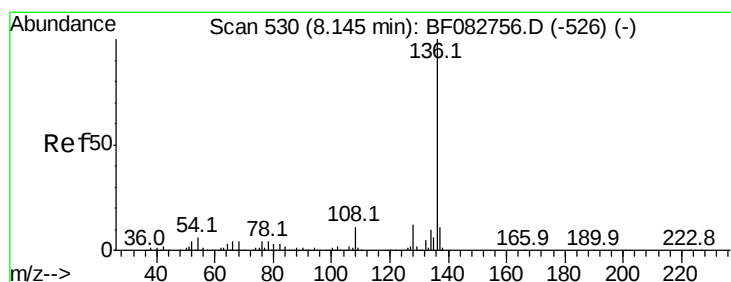
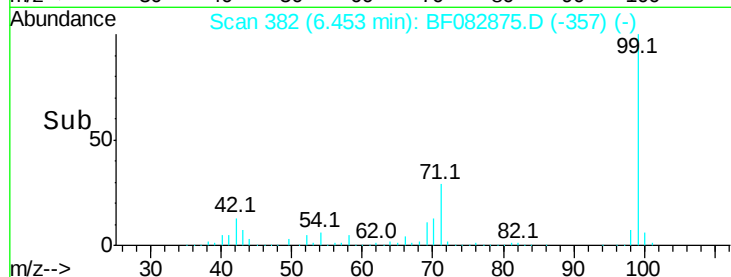
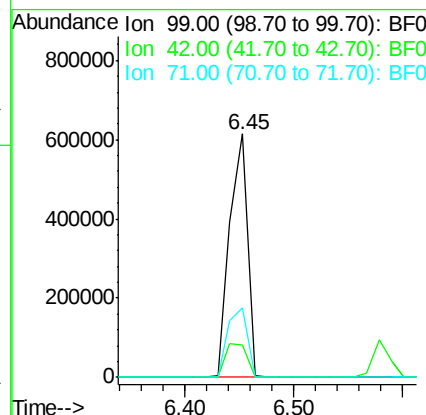
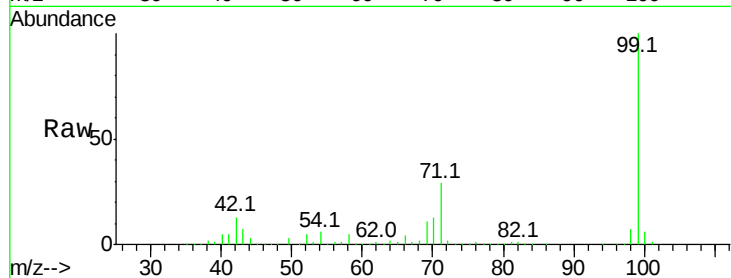
BNA\_F

ClientSampleId :

20151102MGP217BRV64

Tot Ion: 99 Resp: 699513

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.4  | 19.2  | 28.8# |
| 71  | 28.6  | 35.0  | 52.4# |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

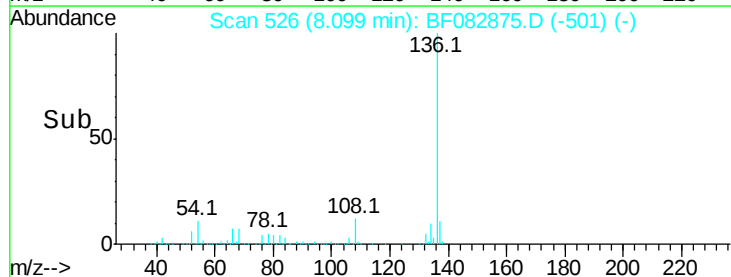
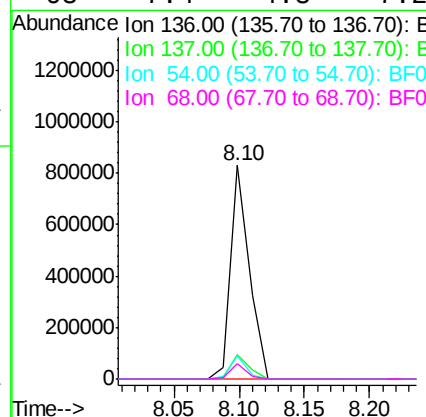
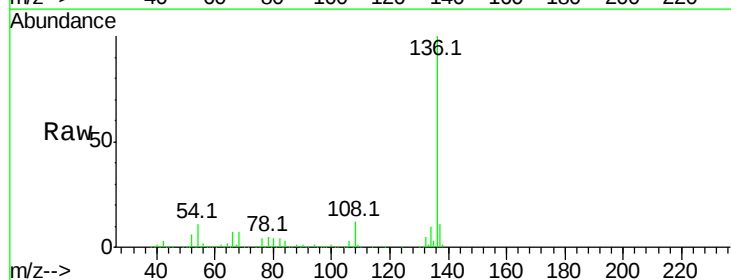
Delta R.T. -0.01 min

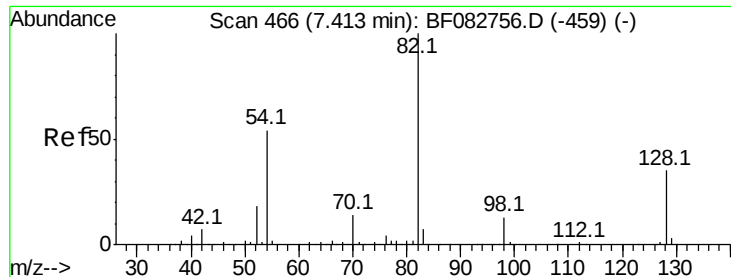
Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

Tgt Ion: 136 Resp: 823814

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.1   | 13.7  |
| 54  | 11.0  | 9.1   | 13.7  |
| 68  | 7.4   | 4.8   | 7.2#  |

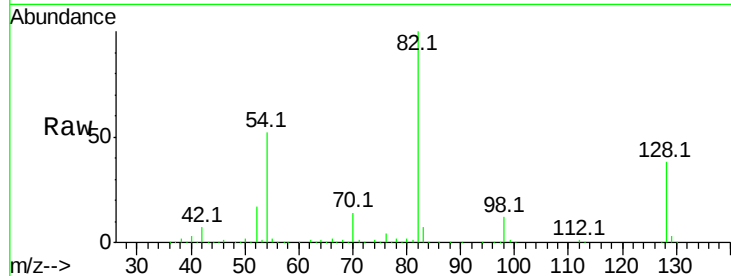




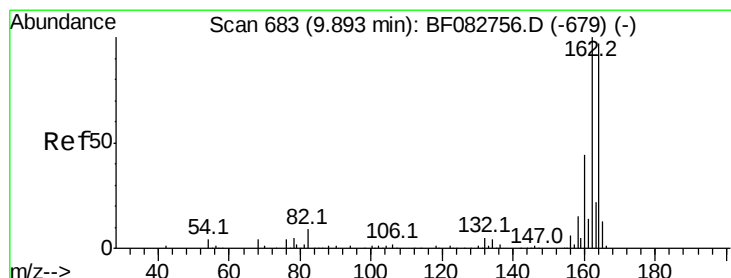
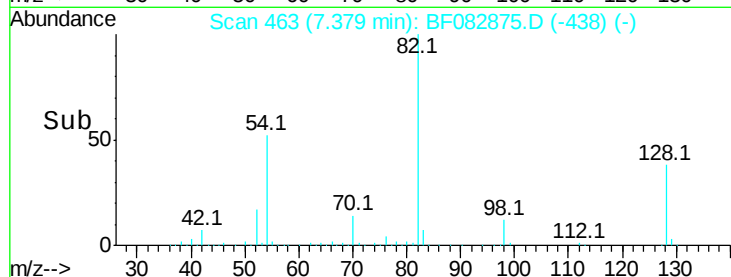
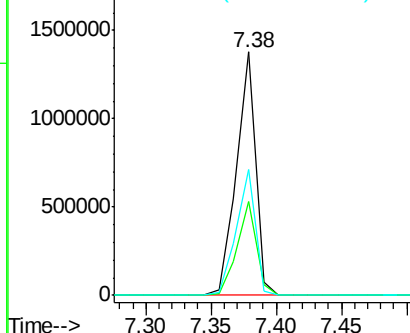
#23  
Nitrobenzene-d5  
Concen: 73.66 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.01 min  
Lab File: BF082875.D  
Acq: 10 Nov 2015 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
20151102MGP217BRV64

Tot Ion: 82 Resp: 1394538  
Ion Ratio Lower Upper  
82 100  
128 38.3 26.8 40.2  
54 51.6 45.7 68.5

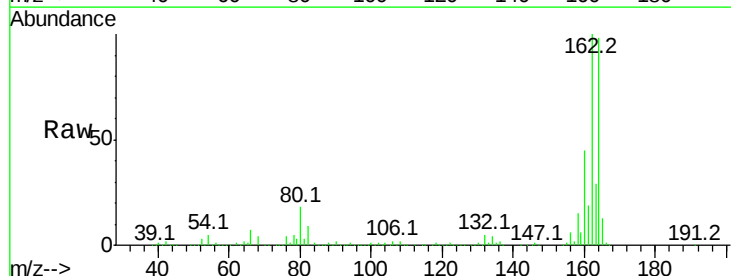


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

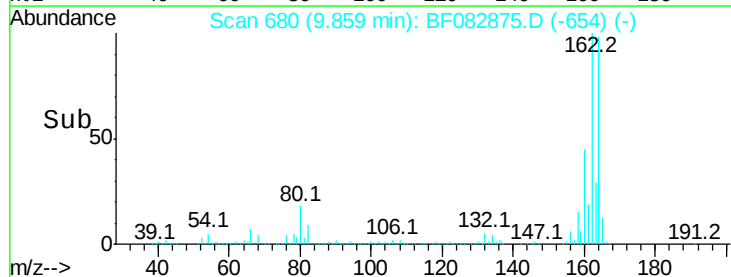
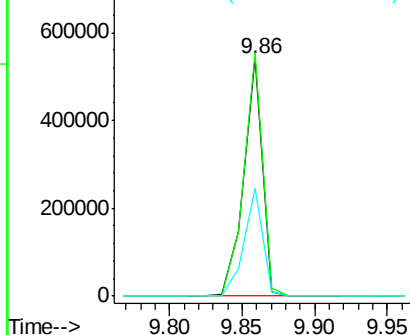


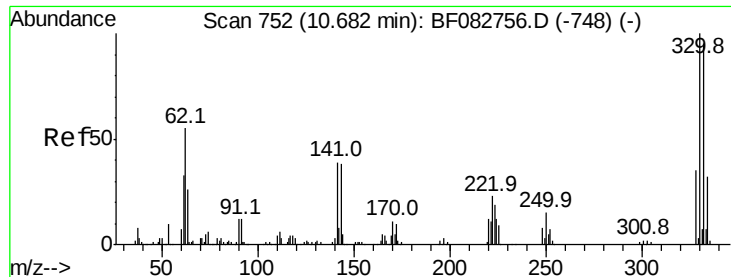
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.86 min Scan# 680  
Delta R.T. 0.00 min  
Lab File: BF082875.D  
Acq: 10 Nov 2015 17:51

Tgt Ion:164 Resp: 481810  
Ion Ratio Lower Upper  
164 100  
162 102.3 84.9 127.3  
160 45.6 37.5 56.3



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

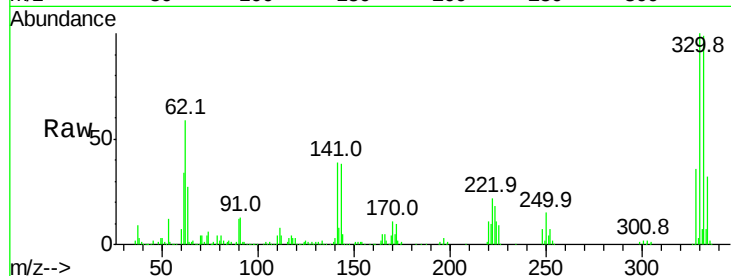




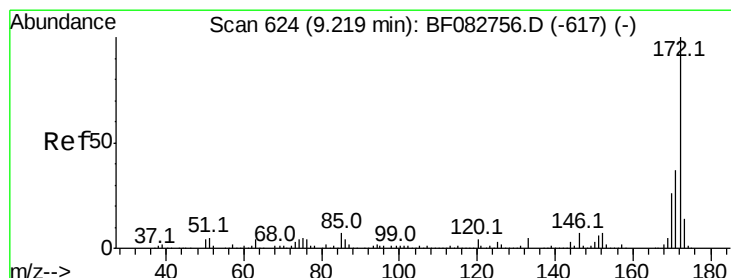
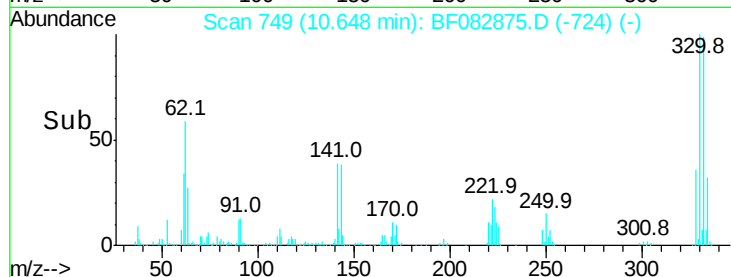
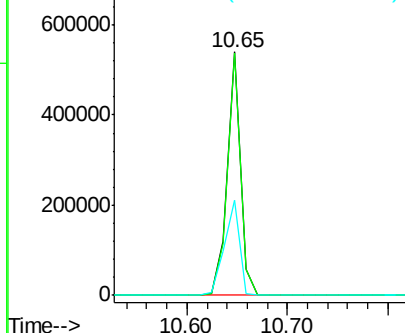
#41  
 2,4,6-Tribromophenol  
 Concen: 90.35 ng  
 RT: 10.65 min Scan# 749  
 Delta R.T. -0.01 min  
 Lab File: BF082875.D  
 Acq: 10 Nov 2015 17:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20151102MGP217BRV64

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.7  | 76.6  | 114.8 |
| 141     | 43.8  | 41.2  | 61.8  |

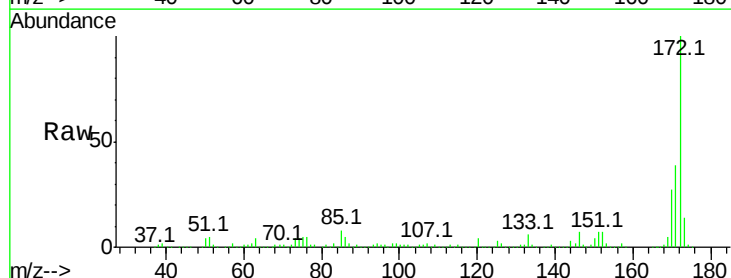


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

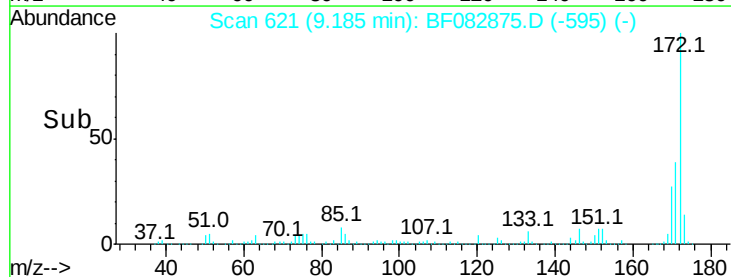
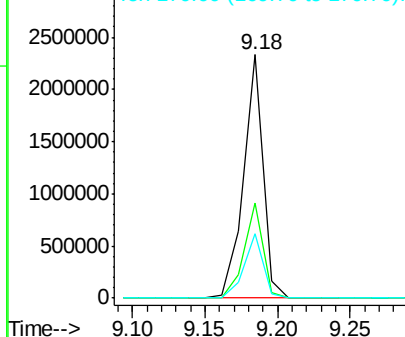


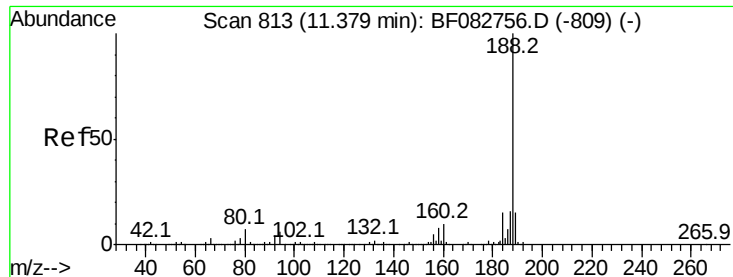
#44  
 2-Fluorobiphenyl  
 Concen: 64.70 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. 0.00 min  
 Lab File: BF082875.D  
 Acq: 10 Nov 2015 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 30.8  | 46.2  |
| 170     | 26.6  | 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: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

Instrument :

BNA\_F

ClientSampleId :

20151102MGP217BRV64

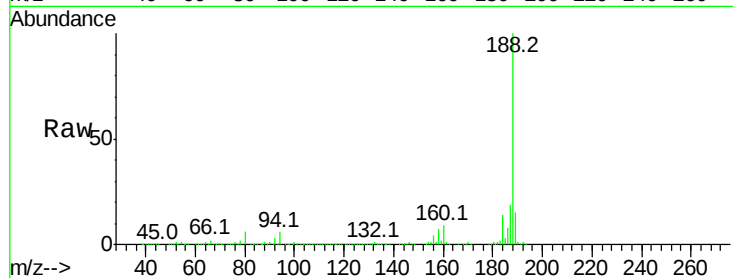
Tot Ion:188 Resp: 864553

Ion Ratio Lower Upper

188 100

94 5.7 6.1 9.1#

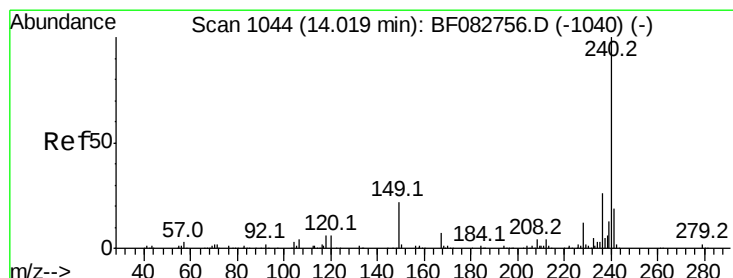
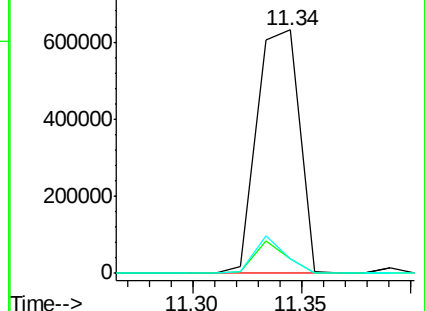
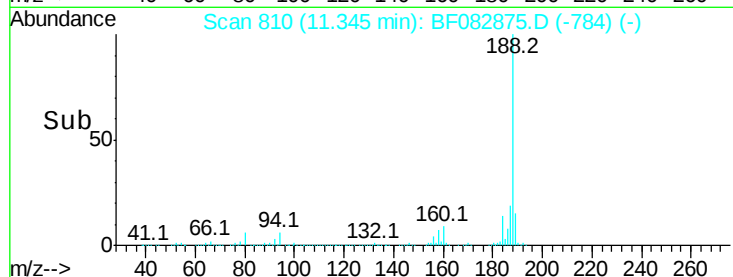
80 6.0 7.0 10.6#



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: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

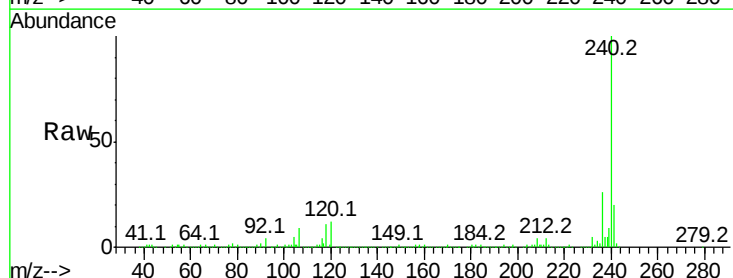
Tgt Ion:240 Resp: 767709

Ion Ratio Lower Upper

240 100

120 12.3 10.9 16.3

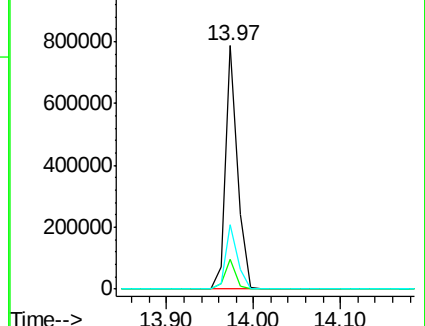
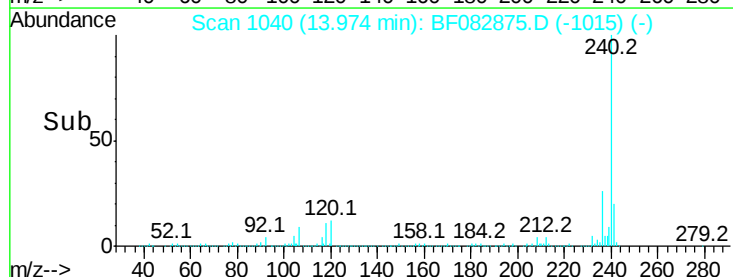
236 26.2 21.6 32.4

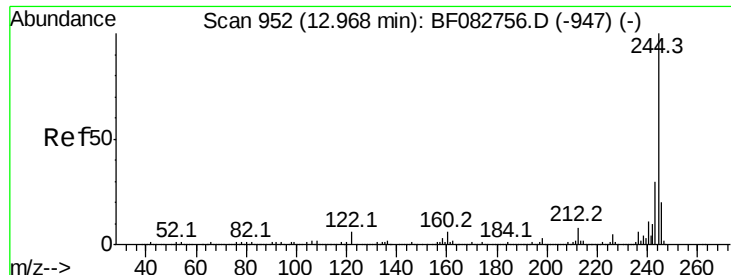


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.85 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

Instrument :

BNA\_F

ClientSampleId :

20151102MGP217BRV64

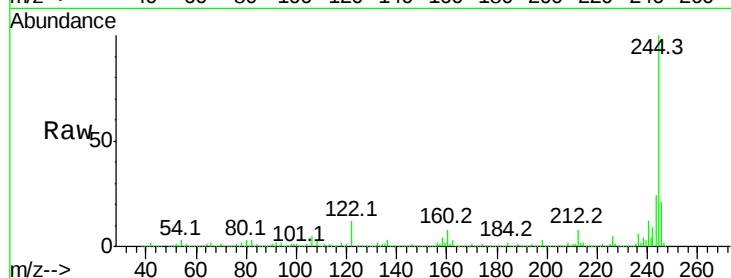
Tot Ion:244 Resp: 2293336

Ion Ratio Lower Upper

244 100

212 8.4 7.6 11.4

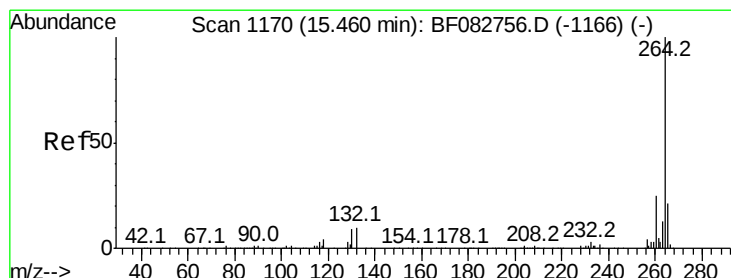
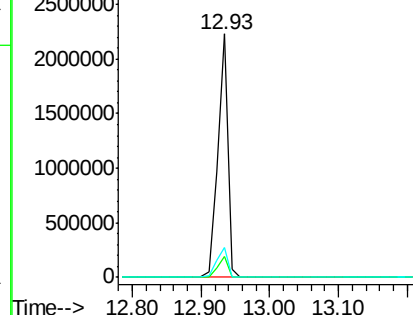
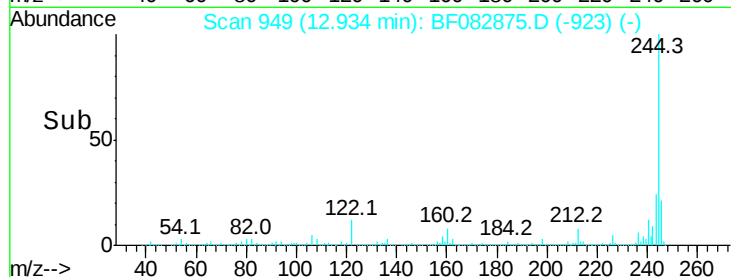
122 12.2 11.3 16.9



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: 15.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF082875.D

Acq: 10 Nov 2015 17:51

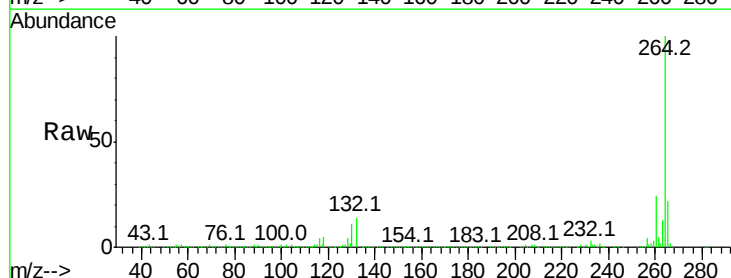
Tgt Ion:264 Resp: 641014

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

265 21.6 17.4 26.0



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

