

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\  
 Data File : BF087870.D  
 Acq On : 10 Jun 2016 13:06  
 Operator : UM/SJ  
 Sample : H3426-14  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-58

Quant Time: Jun 10 14:25:42 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 2016  
 Response via : Initial Calibration

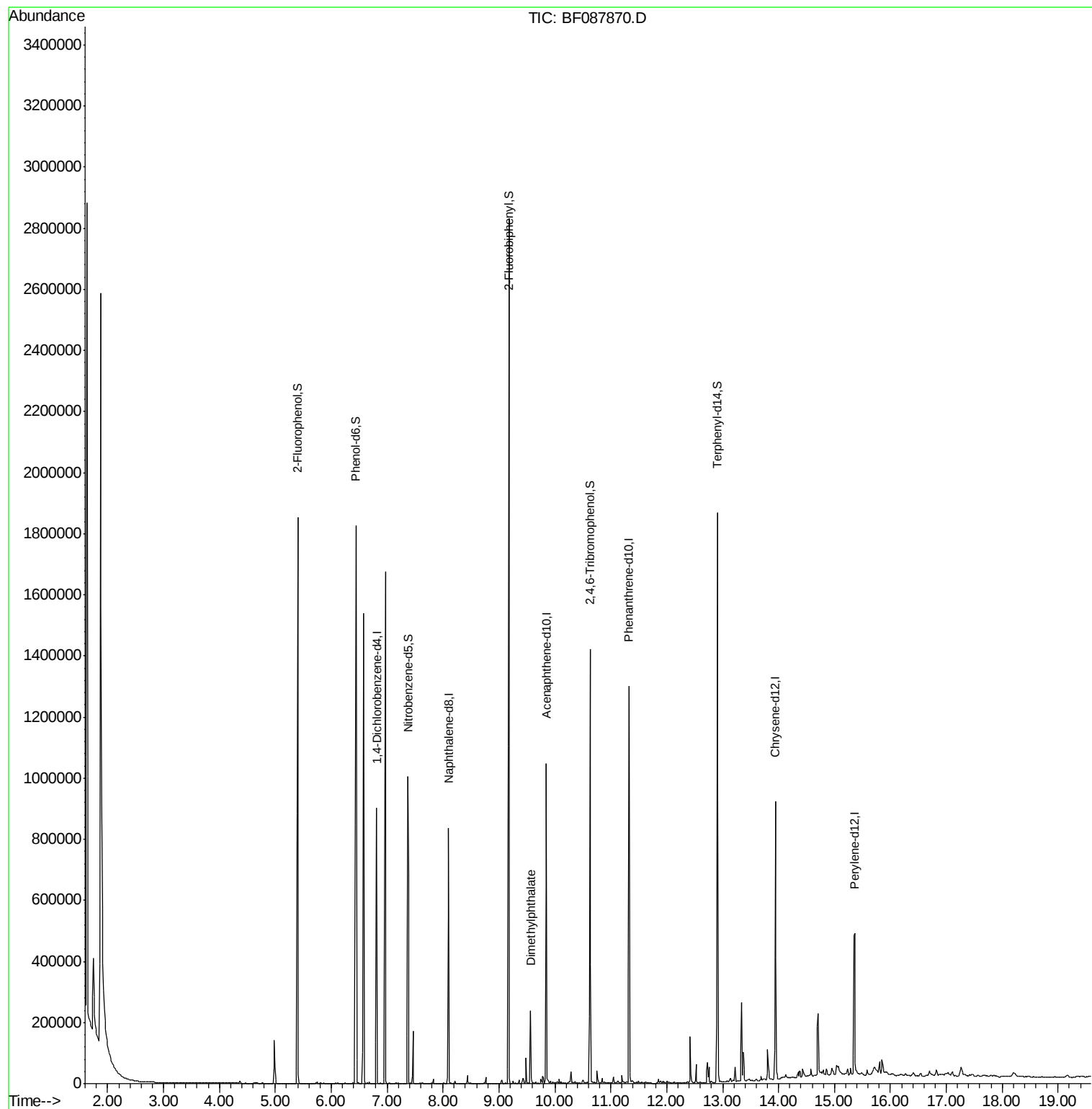
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 129544   | 20.00 | ng    | -0.03        |
| 21) Naphthalene-d8          | 8.10  | 136  | 497109   | 20.00 | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.85  | 164  | 254495   | 20.00 | ng    | -0.03        |
| 63) Phenanthrene-d10        | 11.32 | 188  | 460087   | 20.00 | ng    | -0.03        |
| 75) Chrysene-d12            | 13.94 | 240  | 277789   | 20.00 | ng    | -0.05        |
| 86) Perylene-d12            | 15.36 | 264  | 259801   | 20.00 | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.40  | 112  | 581430   | 76.73 | ng    | -0.02        |
| 7) Phenol-d6                | 6.44  | 99   | 717681   | 78.15 | ng    | -0.03        |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 444192   | 52.18 | ng    | -0.05        |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 175144   | 65.18 | ng    | -0.05        |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 933116   | 55.69 | ng    | -0.03        |
| 78) Terphenyl-d14           | 12.90 | 244  | 717472   | 58.77 | ng    | -0.05        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.56  | 163  | 90420    | 4.90  | ng    | Qvalue<br>99 |

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

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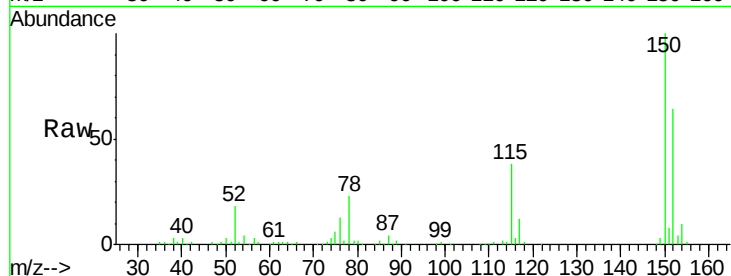


#1

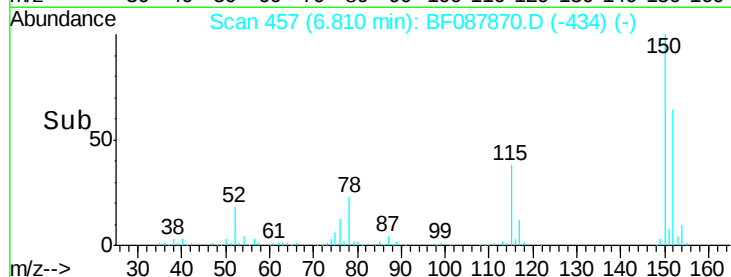
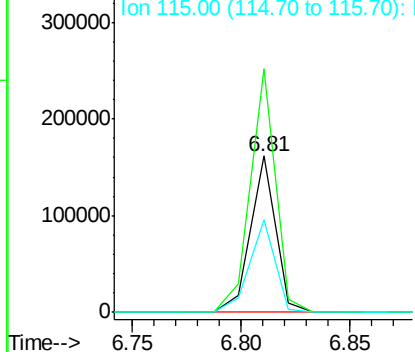
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 457  
Delta R.T. -0.03 min  
Lab File: BF087870.D  
Acq: 10 Jun 2016 13:06

Instrument :  
BNA\_F  
ClientSampleId :  
SS-58

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.6 | 123.8 | 185.6 |
| 115     | 59.0  | 39.6  | 59.4  |



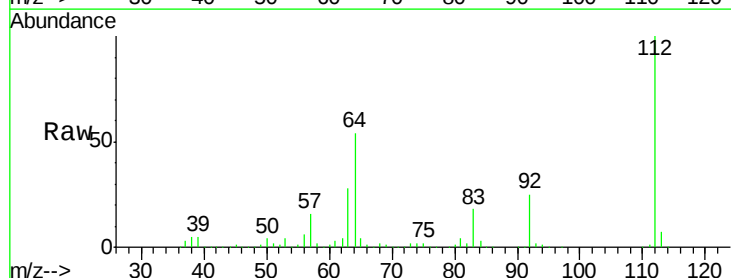
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



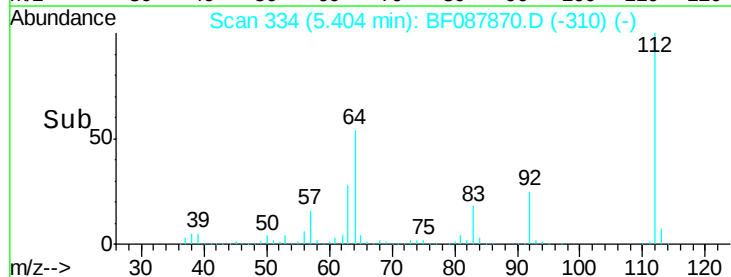
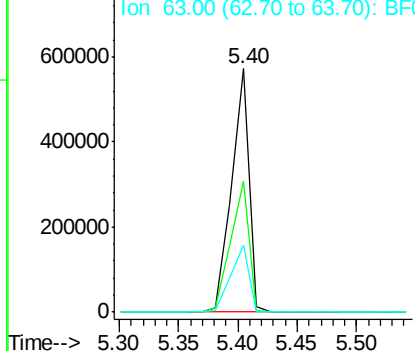
#5

2-Fluorophenol  
Concen: 76.73 ng  
RT: 5.40 min Scan# 334  
Delta R.T. -0.02 min  
Lab File: BF087870.D  
Acq: 10 Jun 2016 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.6  | 42.2  | 63.2  |
| 63      | 27.5  | 21.8  | 32.8  |



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: 78.15 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087870.D

Acq: 10 Jun 2016 13:06

Instrument :

BNA\_F

ClientSampleId :

SS-58

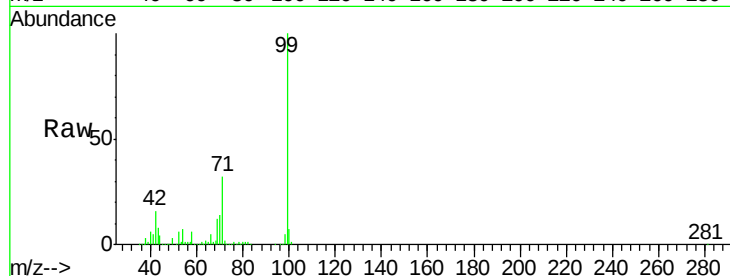
Tot Ion: 99 Resp: 717681

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

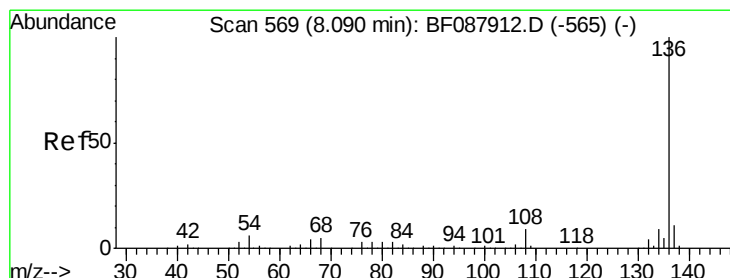
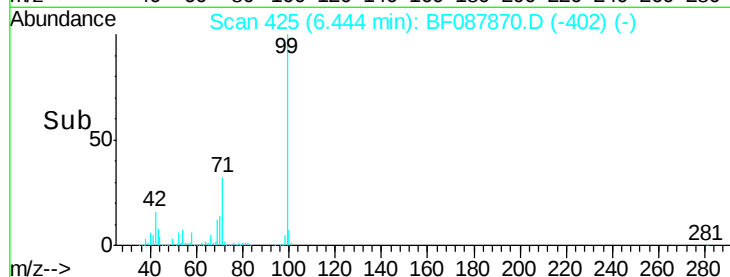
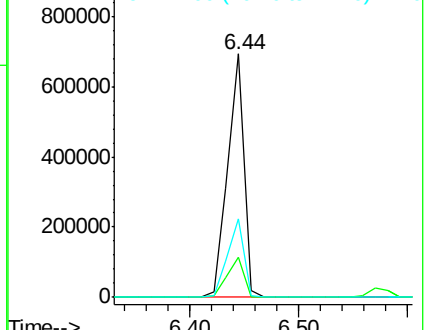
71 32.5 23.4 35.0



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: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087870.D

Acq: 10 Jun 2016 13:06

Tgt Ion: 136 Resp: 497109

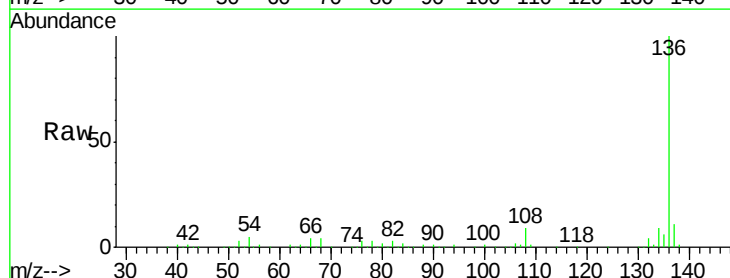
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 6.6 10.0#

68 4.4 5.1 7.7#

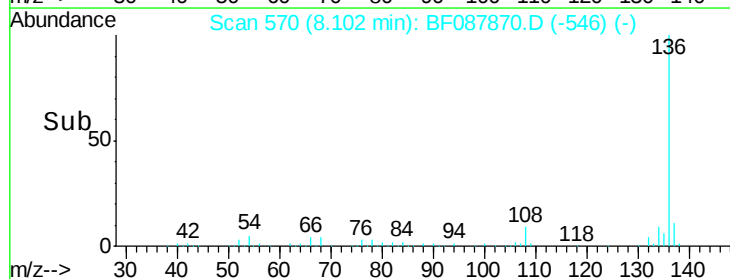
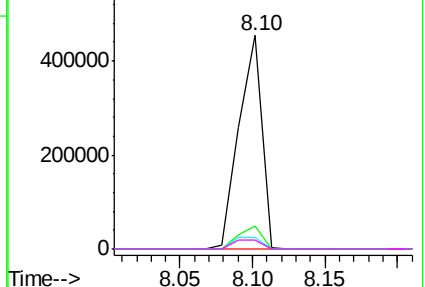


Abundance Ion 136.00 (135.70 to 136.70): E

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

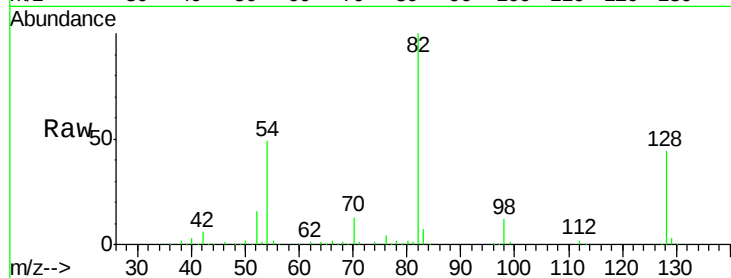




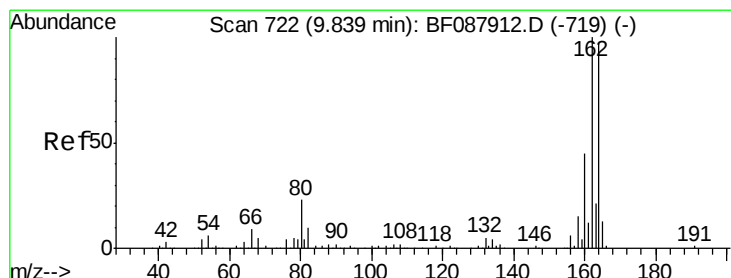
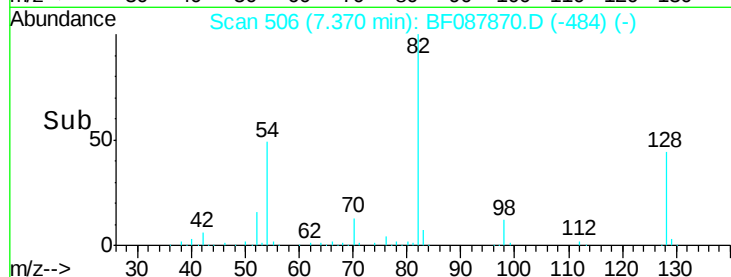
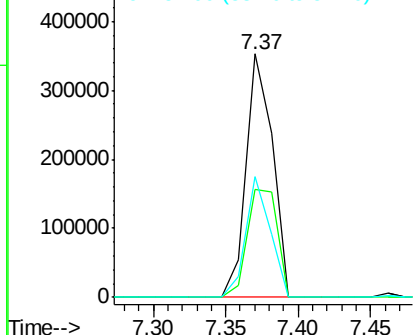
#23  
Nitrobenzene-d5  
Concen: 52.18 ng  
RT: 7.37 min Scan# 506  
Delta R.T. -0.05 min  
Lab File: BF087870.D  
Acq: 10 Jun 2016 13:06

Instrument :  
BNA\_F  
ClientSampleId :  
SS-58

Tot Ion: 82 Resp: 444192  
Ion Ratio Lower Upper  
82 100  
128 44.4 35.9 53.9  
54 49.5 40.9 61.3

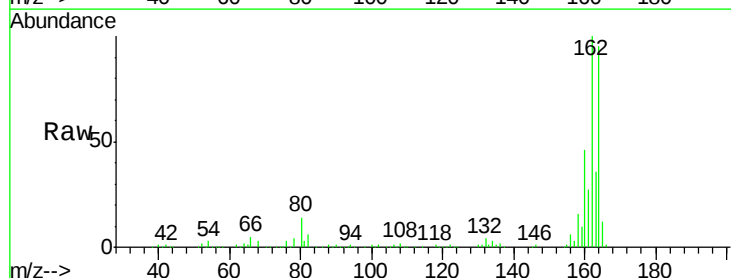


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

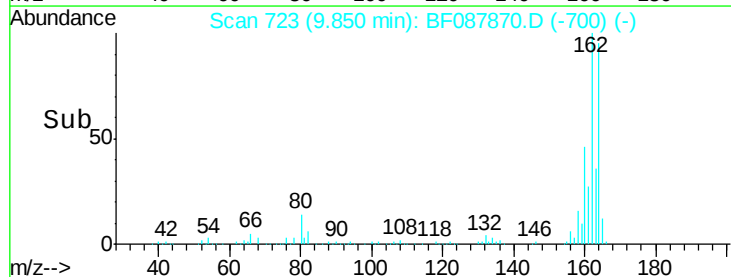
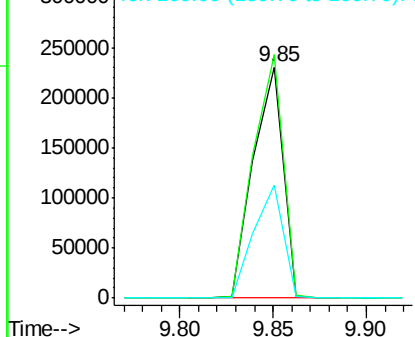


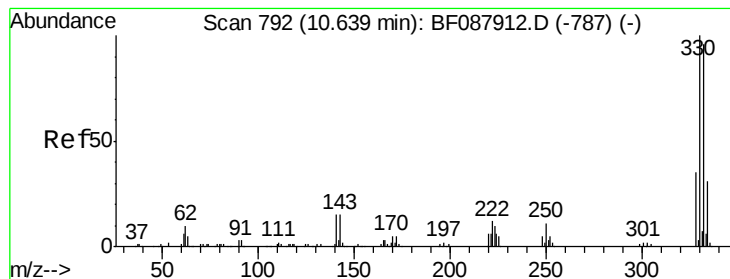
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 723  
Delta R.T. -0.03 min  
Lab File: BF087870.D  
Acq: 10 Jun 2016 13:06

Tgt Ion:164 Resp: 254495  
Ion Ratio Lower Upper  
164 100  
162 105.4 85.4 128.2  
160 48.9 39.5 59.3



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

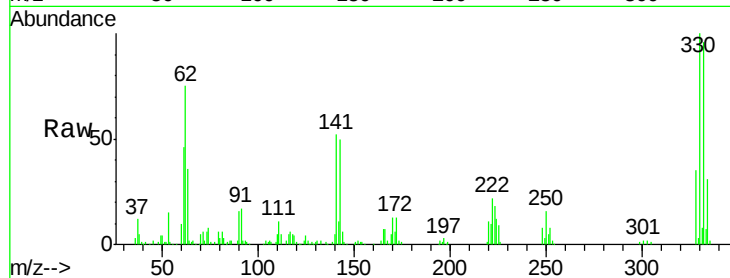




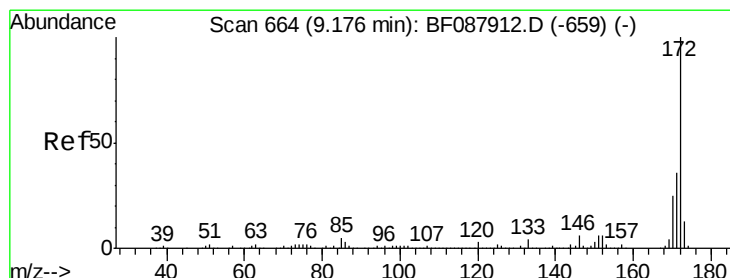
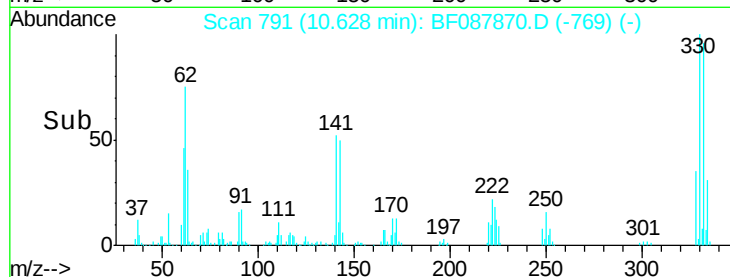
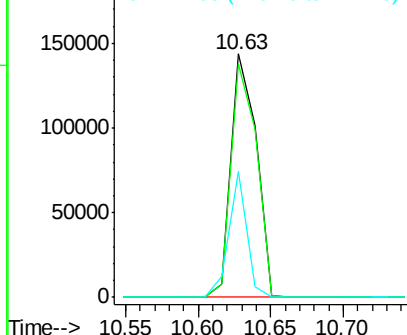
#41  
 2,4,6-Tribromophenol  
 Concen: 65.18 ng  
 RT: 10.63 min Scan# 791  
 Delta R.T. -0.05 min  
 Lab File: BF087870.D  
 Acq: 10 Jun 2016 13:06

Instrument :  
 BNA\_F  
 ClientSampled :  
 SS-58

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 0.0   | 0.0#  |
| 141     | 36.4  | 0.0   | 0.0#  |

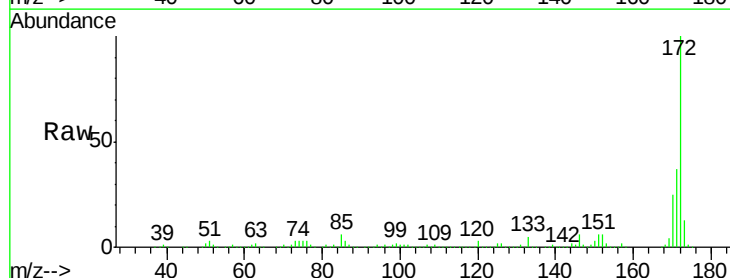


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

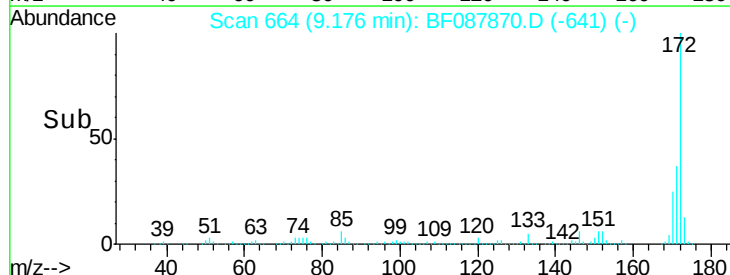
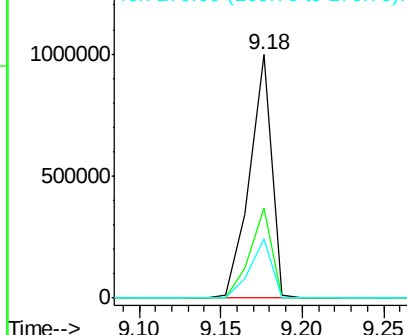


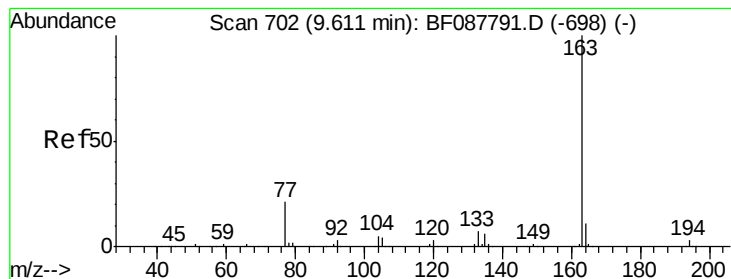
#44  
 2-Fluorobiphenyl  
 Concen: 55.69 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. -0.03 min  
 Lab File: BF087870.D  
 Acq: 10 Jun 2016 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 28.6  | 43.0  |
| 170     | 24.5  | 19.2  | 28.8  |



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: 4.90 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087870.D

Acq: 10 Jun 2016 13:06

Instrument :

BNA\_F

ClientSampleId :

SS-58

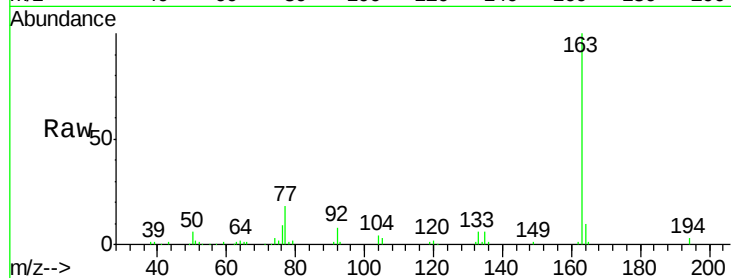
Tot Ion:163 Resp: 90420

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

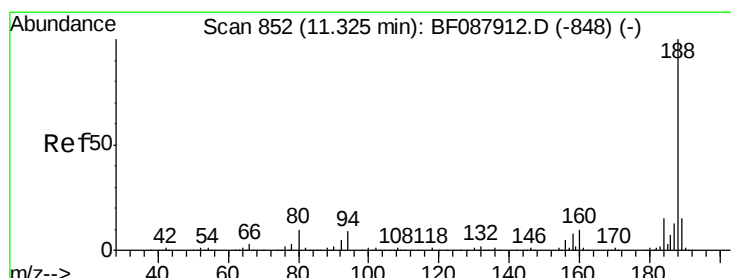
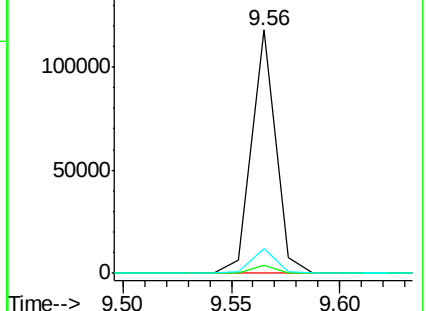
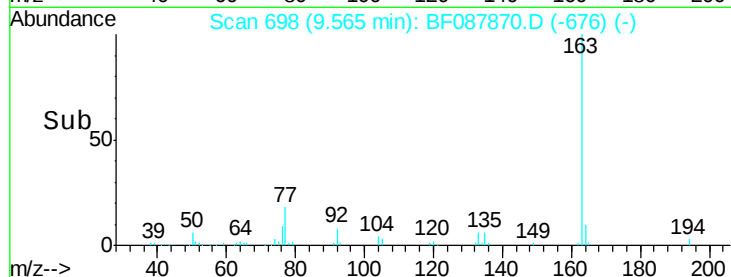
164 9.9 8.3 12.5



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: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087870.D

Acq: 10 Jun 2016 13:06

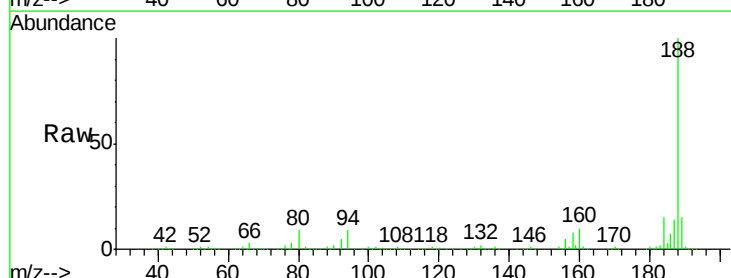
Tgt Ion:188 Resp: 460087

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.6#

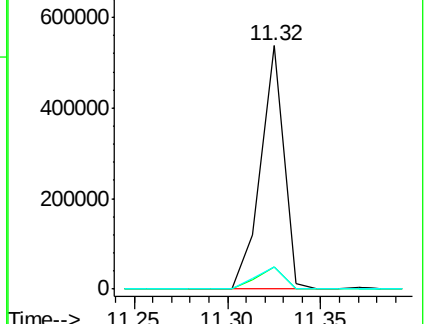
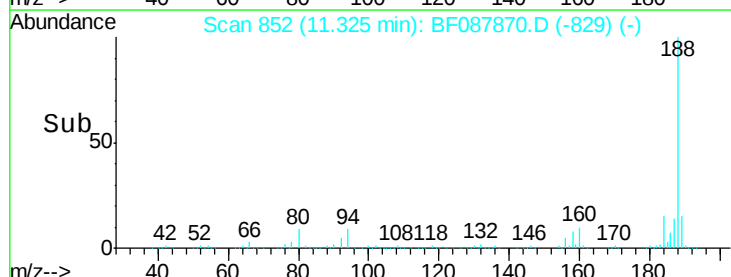
80 9.0 10.0 15.0#

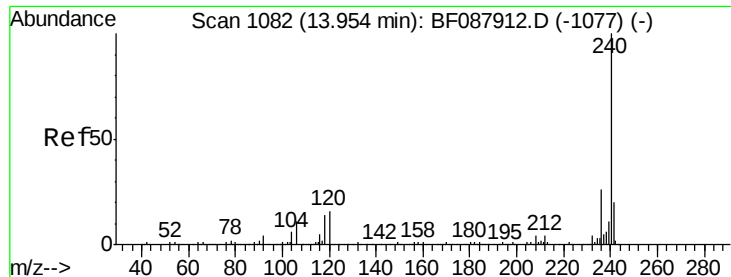


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.94 min Scan# 1081

Delta R.T. -0.05 min

Lab File: BF087870.D

Acq: 10 Jun 2016 13:06

Instrument :

BNA\_F

ClientSampleId :

SS-58

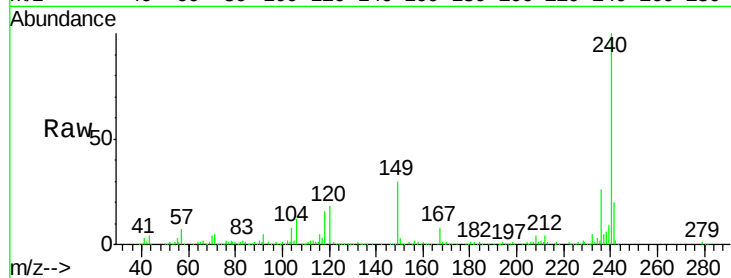
Tot Ion:240 Resp: 277789

Ion Ratio Lower Upper

240 100

120 17.9 6.8 10.2#

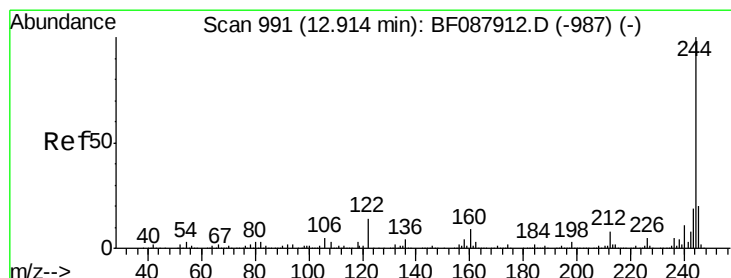
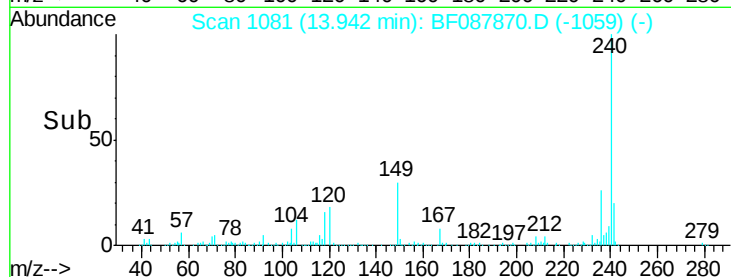
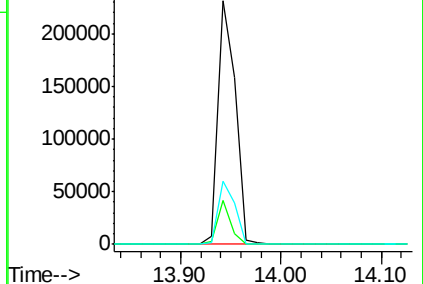
236 25.8 20.2 30.2



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: 58.77 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.05 min

Lab File: BF087870.D

Acq: 10 Jun 2016 13:06

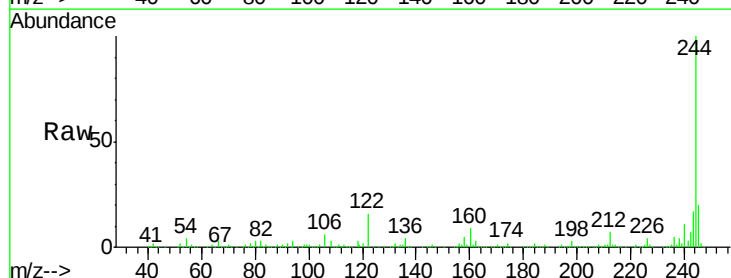
Tgt Ion:244 Resp: 717472

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

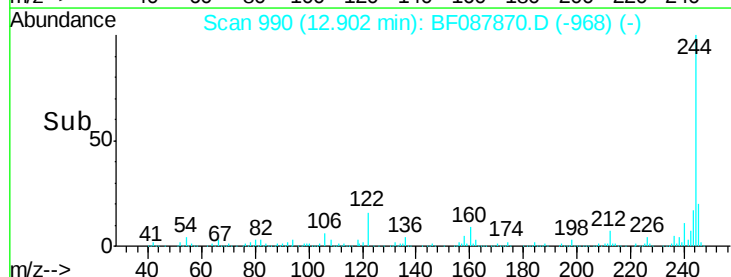
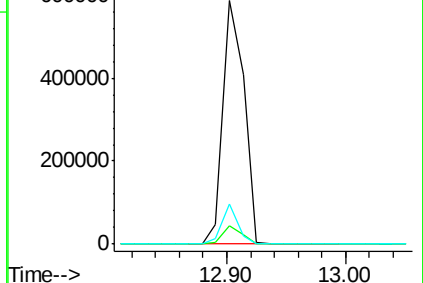
122 16.4 11.2 16.8

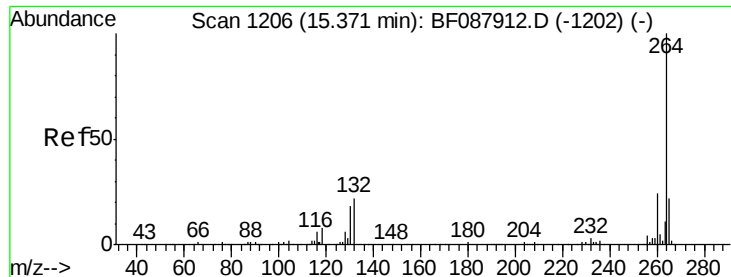


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1205  
 Delta R.T. -0.03 min  
 Lab File: BF087870.D  
 Acq: 10 Jun 2016 13:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-58

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 259801 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.1  | 19.2  | 28.8   |
| 265      | 21.5  | 16.9  | 25.3   |

