

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\  
 Data File : BF086039.D  
 Acq On : 4 Apr 2016 15:32  
 Operator : UM/SJ  
 Sample : H2055-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-3(5-10)

Quant Time: Apr 05 01:28:46 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

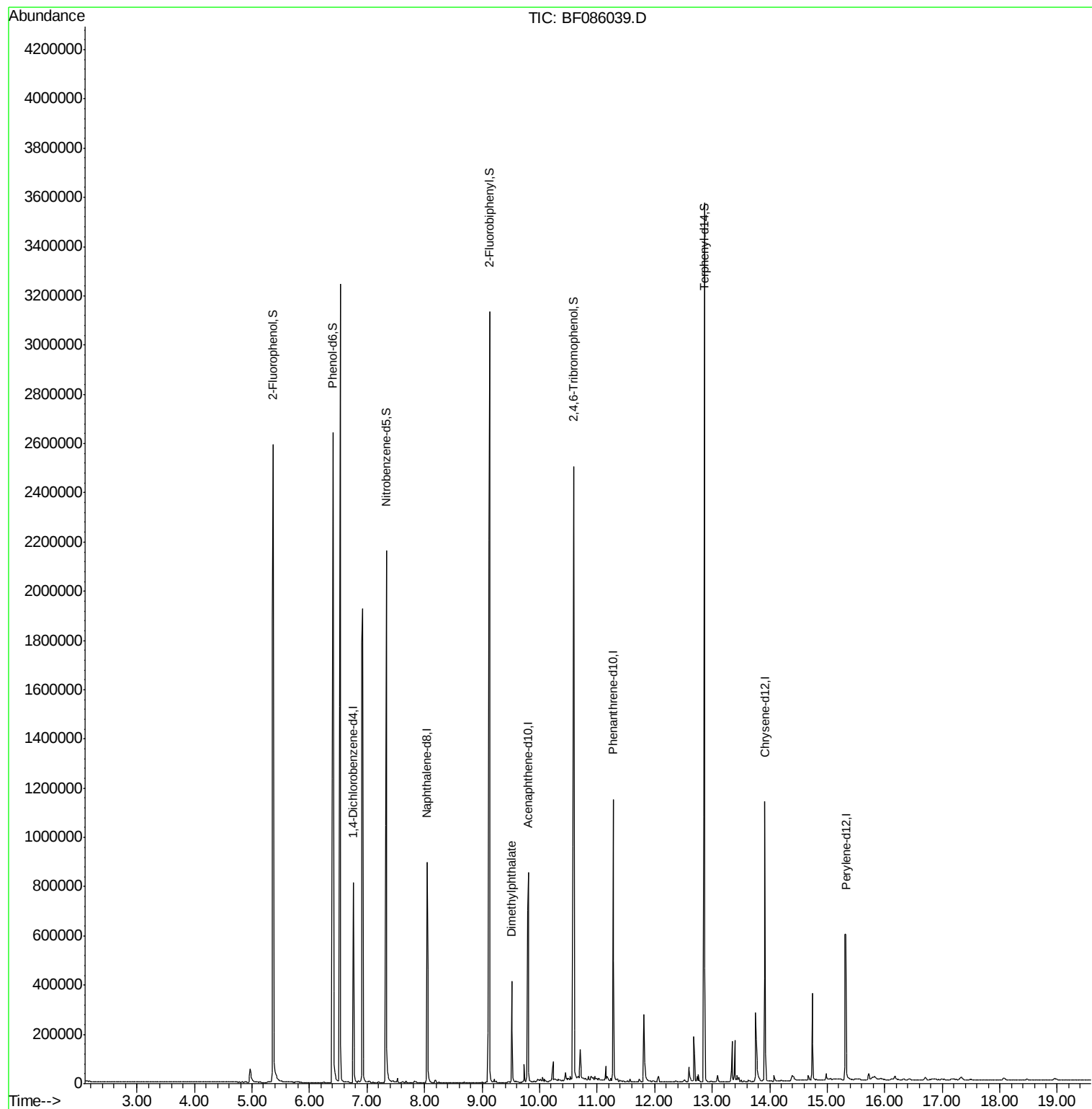
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 126981   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.04  | 136  | 502173   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 236151   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.28 | 188  | 465069   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.92 | 240  | 422799   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.32 | 264  | 340701   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 1075158  | 144.73 | ng    | 0.00     |
| 7) Phenol-d6                | 6.41  | 99   | 1168654  | 123.85 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 853703   | 100.25 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 341575   | 154.11 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1333711  | 93.90  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.87 | 244  | 1176175  | 65.39  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.52  | 163  | 196119   | 11.20  | ng    | 99       |

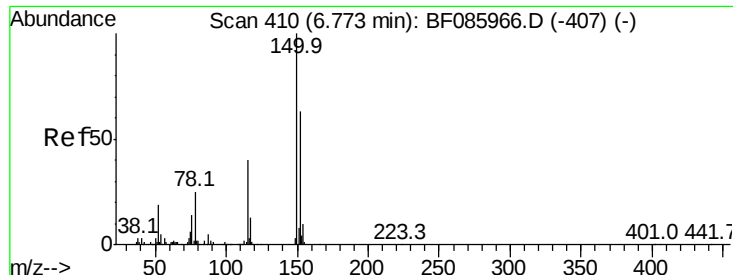
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086039.D

Acq: 4 Apr 2016 15:32

Instrument :

BNA\_F

ClientSampleId :

BH-3(5-10)

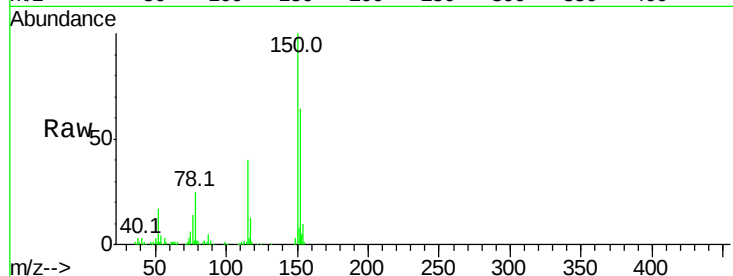
Tot Ion:152 Resp: 126981

Ion Ratio Lower Upper

152 100

150 156.3 124.2 186.2

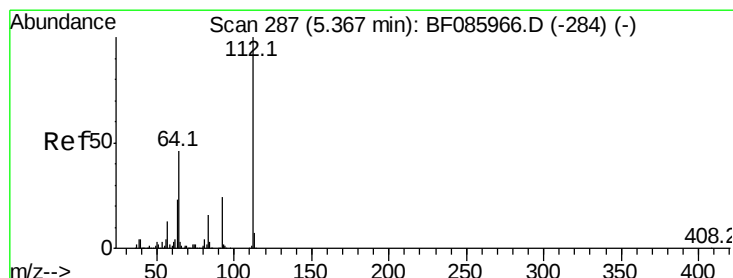
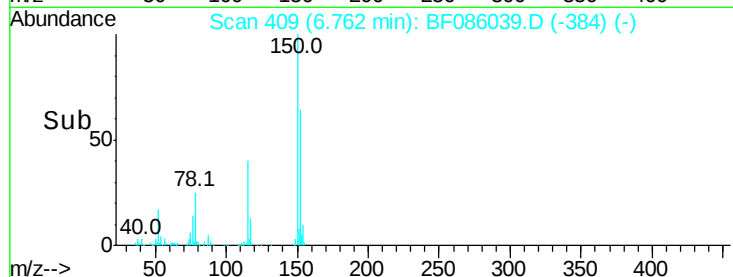
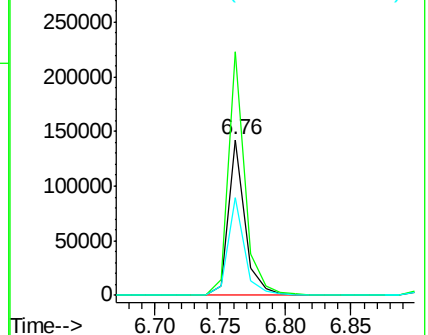
115 62.6 47.0 70.6



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: 144.73 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF086039.D

Acq: 4 Apr 2016 15:32

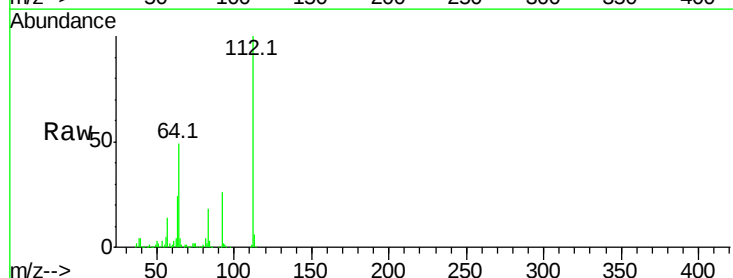
Tgt Ion:112 Resp: 1075158

Ion Ratio Lower Upper

112 100

64 48.9 39.9 59.9

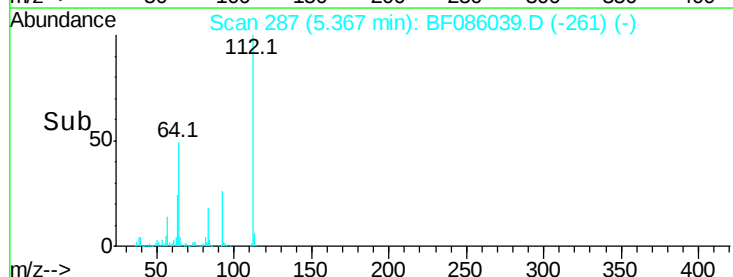
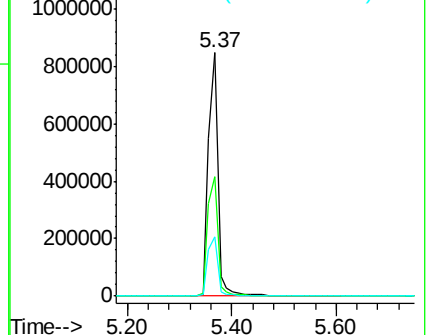
63 24.5 20.2 30.2



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: 123.85 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086039.D

Acq: 4 Apr 2016 15:32

Instrument :

BNA\_F

ClientSampleId :

BH-3(5-10)

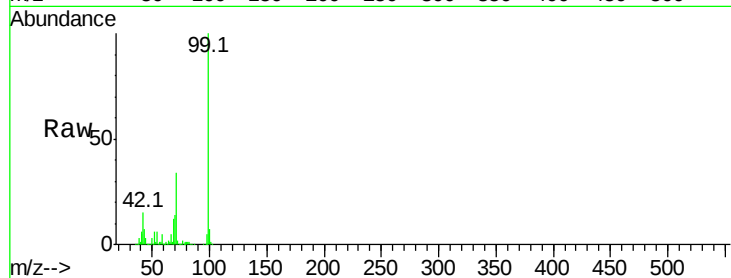
Tot Ion: 99 Resp: 1168654

Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

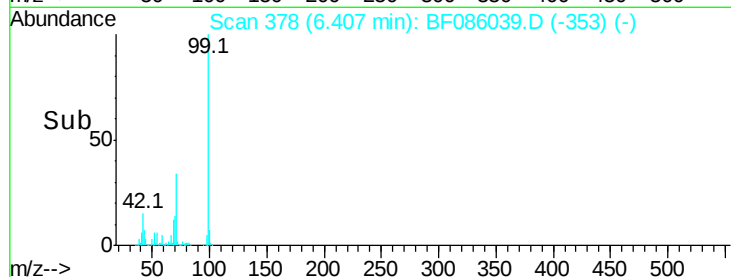
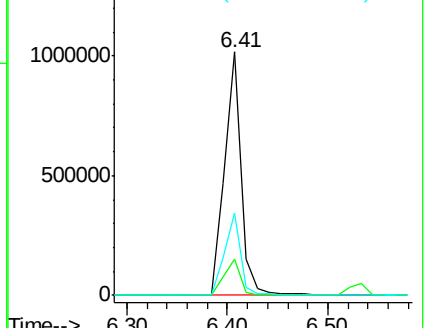
71 33.8 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF086039.D

Acq: 4 Apr 2016 15:32

Tgt Ion: 136 Resp: 502173

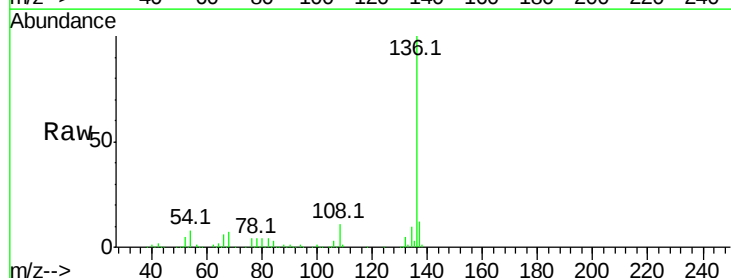
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.4 7.4 11.0

68 7.0 5.8 8.8

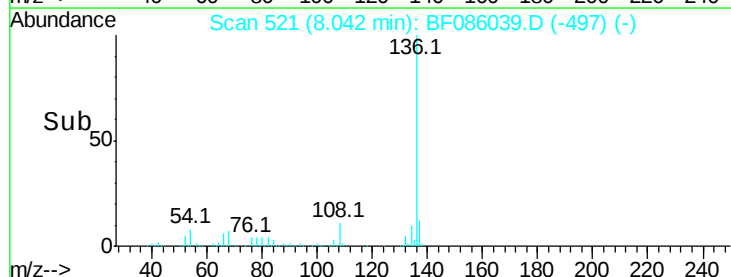
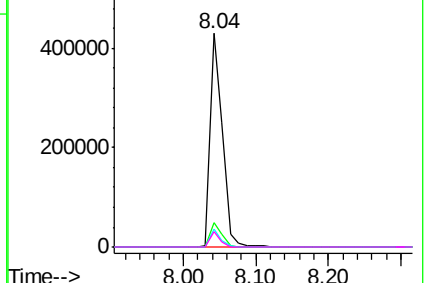


Abundance Ion 136.00 (135.70 to 136.70): E

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

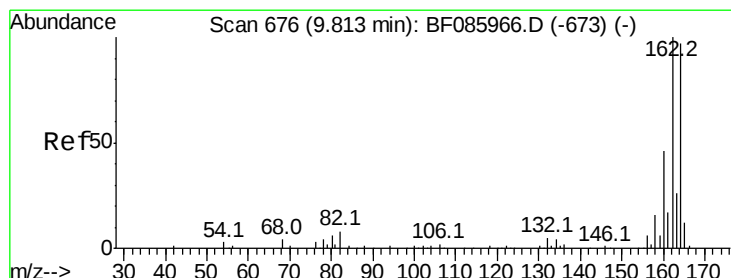
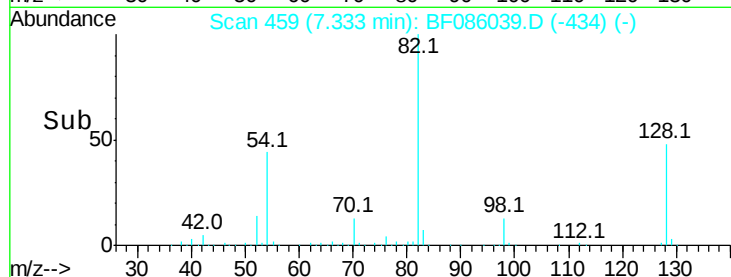
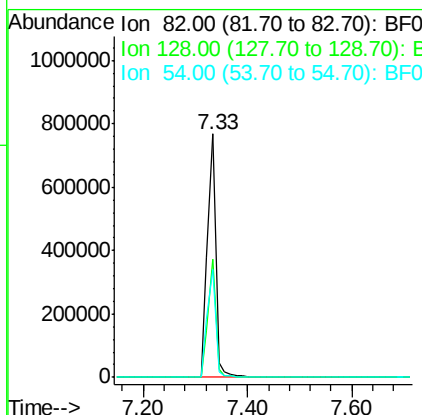
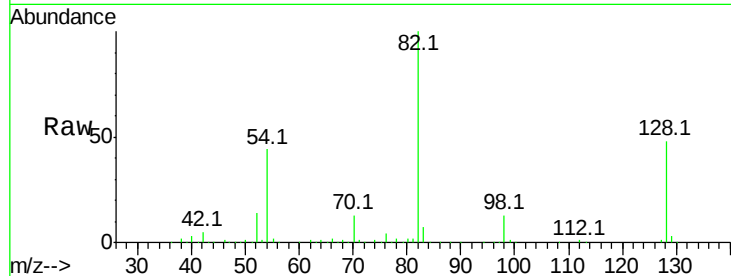




#23  
 Nitrobenzene-d5  
 Concen: 100.25 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF086039.D  
 Acq: 4 Apr 2016 15:32

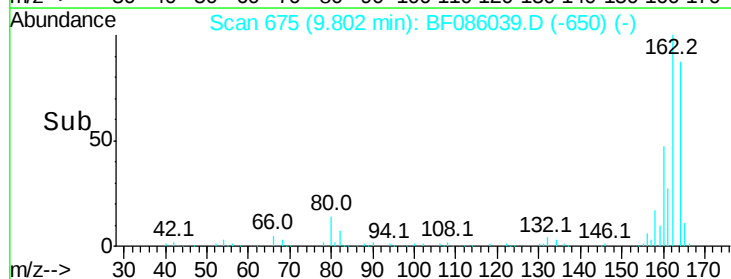
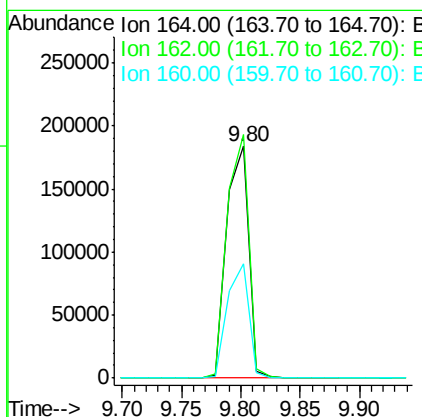
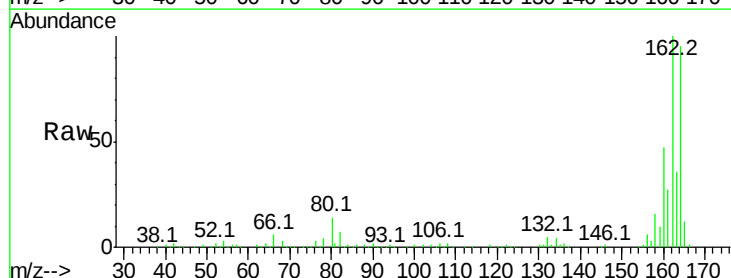
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-3(5-10)

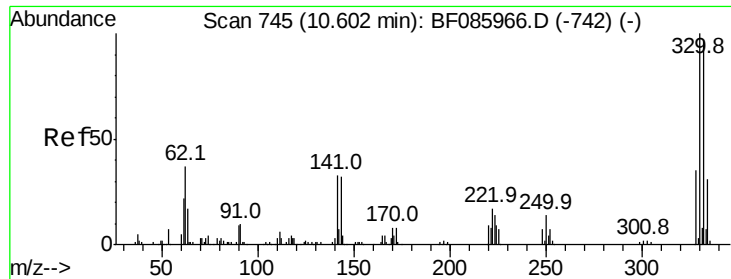
| Tot Ion   | 82   | Resp | 853703 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 41.8 |      |        |
| Upper     | 62.8 |      |        |
| 54        | 44.3 | 33.4 | 50.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.01 min  
 Lab File: BF086039.D  
 Acq: 4 Apr 2016 15:32

| Tgt Ion   | 164   | Resp | 236151 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 82.1  |      |        |
| Upper     | 123.1 |      |        |
| 162       | 105.2 | 37.4 | 56.2   |
| 160       | 49.2  |      |        |

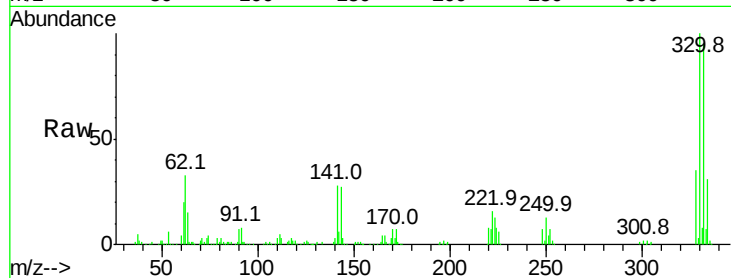




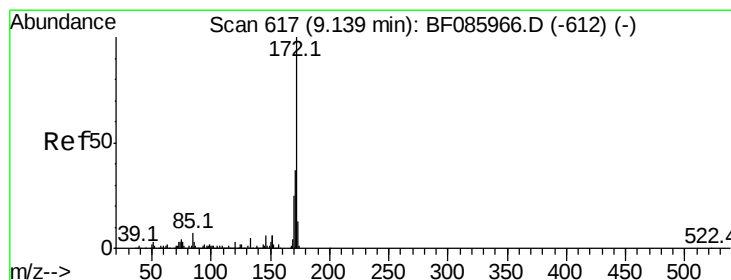
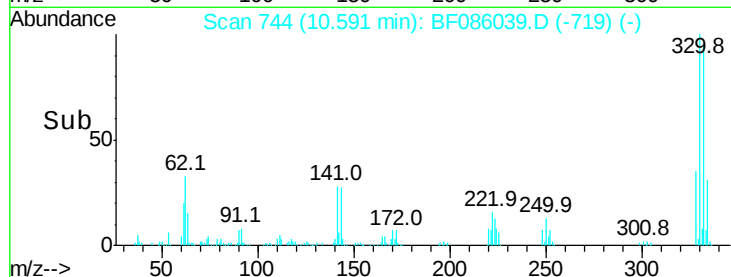
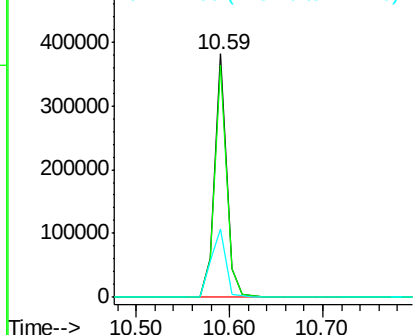
#41  
 2,4,6-Tribromophenol  
 Concen: 154.11 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF086039.D  
 Acq: 4 Apr 2016 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-3(5-10)

Tot Ion:330 Resp: 341575  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 78.2 117.2  
 141 35.1 31.5 47.3

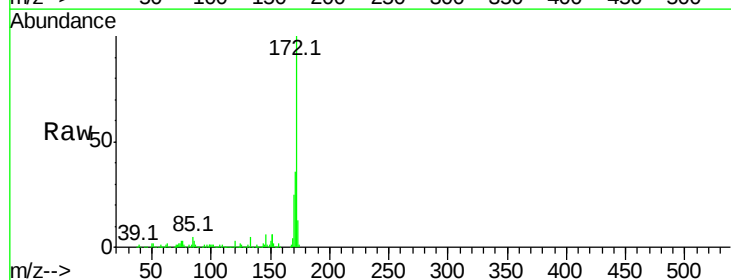


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

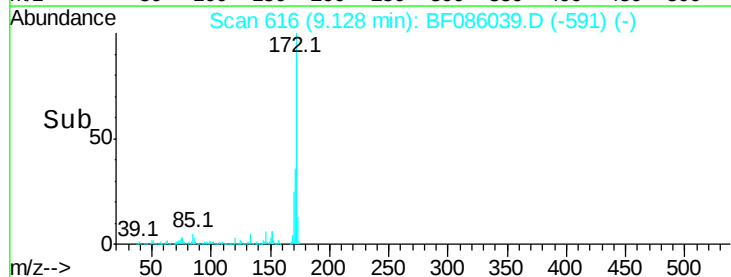
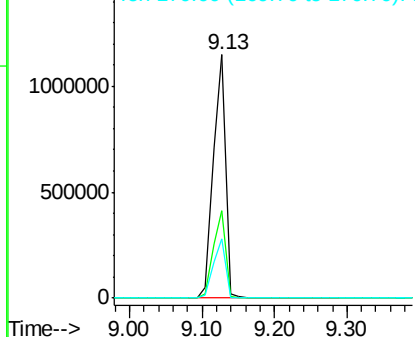


#44  
 2-Fluorobiphenyl  
 Concen: 93.90 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF086039.D  
 Acq: 4 Apr 2016 15:32

Tgt Ion:172 Resp: 1333711  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.2  
 170 24.5 19.8 29.6



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

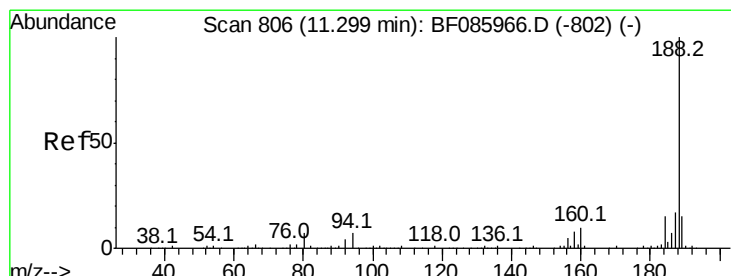
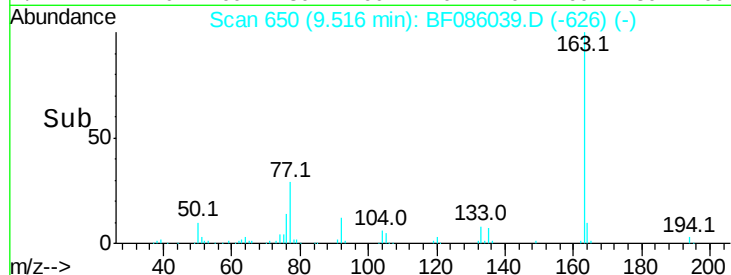
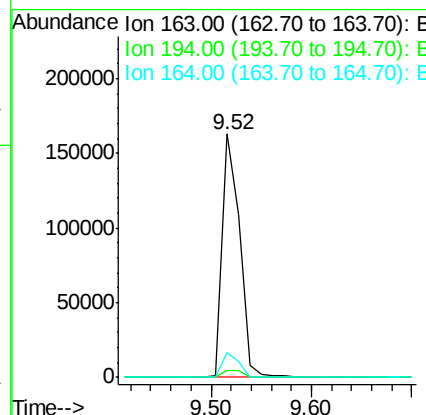
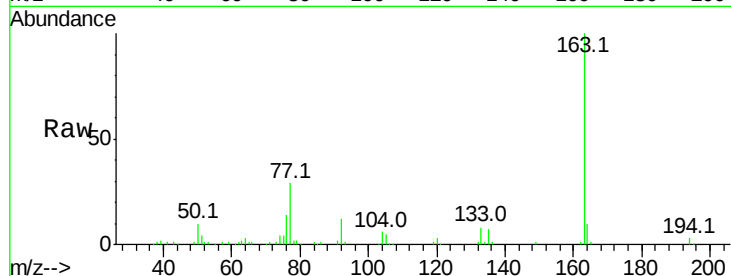




#49  
Dimethylphthalate  
Concen: 11.20 ng  
RT: 9.52 min Scan# 650  
Delta R.T. -0.02 min  
Lab File: BF086039.D  
Acq: 4 Apr 2016 15:32

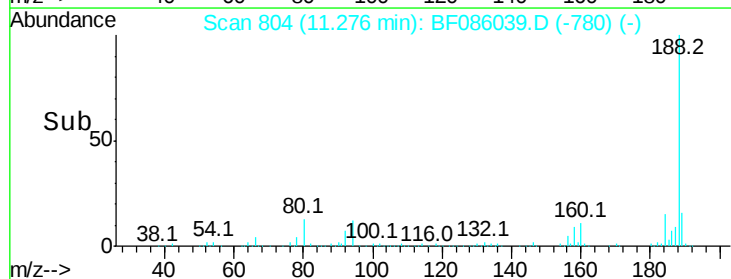
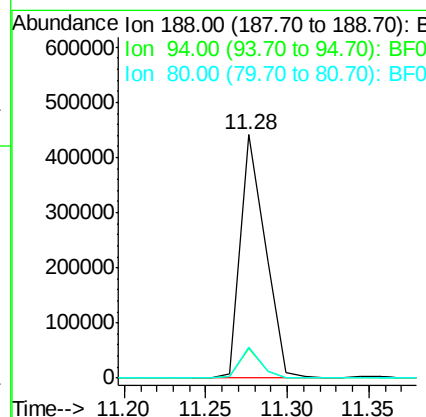
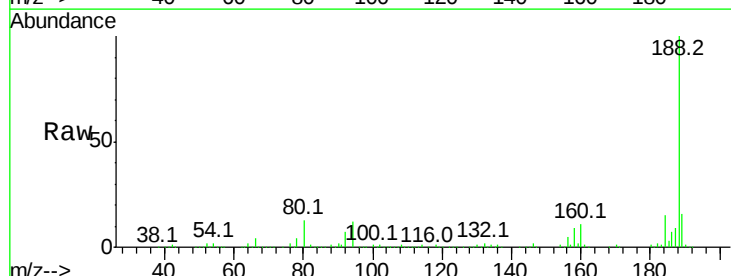
Instrument :  
BNA\_F  
ClientSampleId :  
BH-3(5-10)

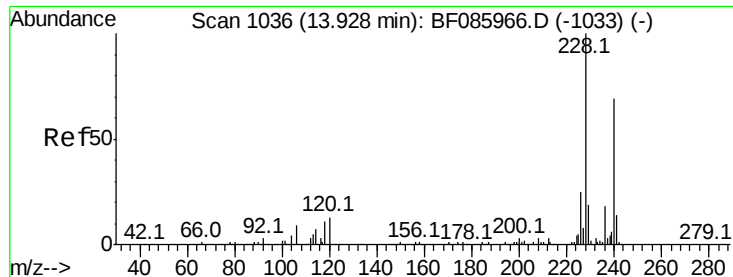
Tot Ion:163 Resp: 196119  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.9 4.3  
164 10.1 8.3 12.5



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.28 min Scan# 804  
Delta R.T. -0.02 min  
Lab File: BF086039.D  
Acq: 4 Apr 2016 15:32

Tgt Ion:188 Resp: 465069  
Ion Ratio Lower Upper  
188 100  
94 12.4 5.4 8.0#  
80 12.9 5.5 8.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086039.D

Acq: 4 Apr 2016 15:32

Instrument :

BNA\_F

ClientSampleId :

BH-3(5-10)

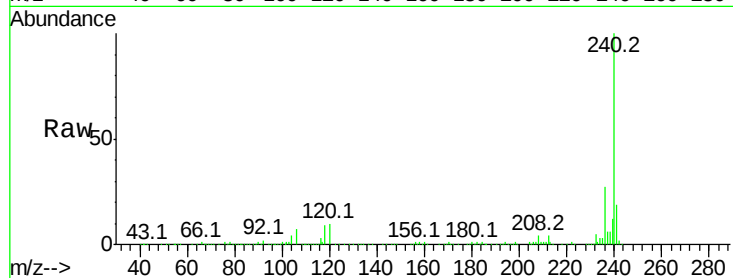
Tot Ion:240 Resp: 422799

Ion Ratio Lower Upper

240 100

120 10.4 13.8 20.8#

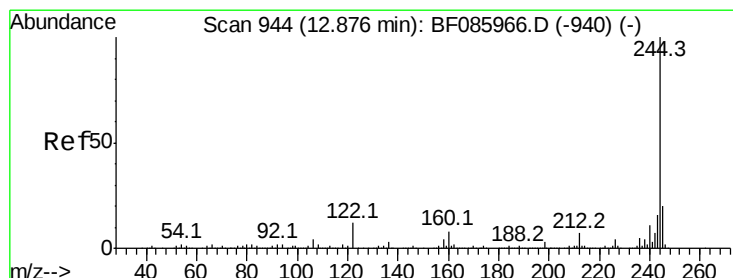
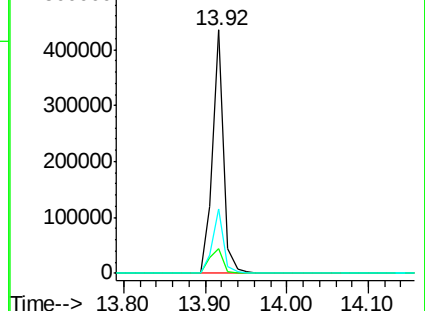
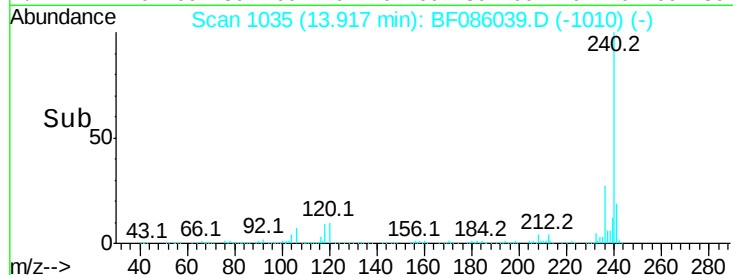
236 26.7 20.6 30.8



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: 65.39 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086039.D

Acq: 4 Apr 2016 15:32

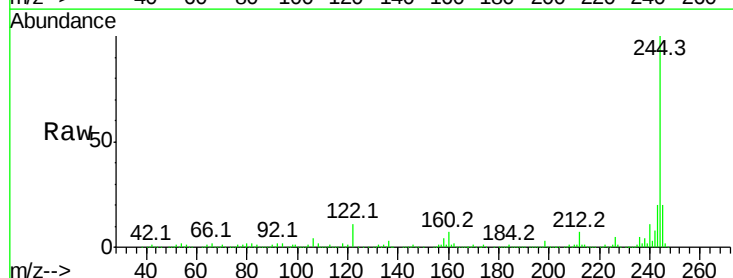
Tgt Ion:244 Resp: 1176175

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

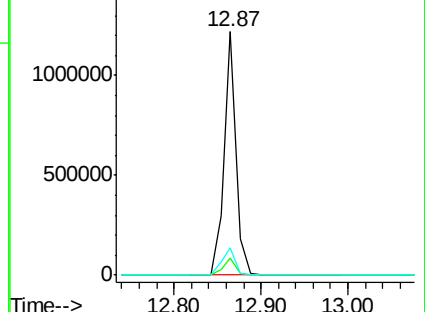
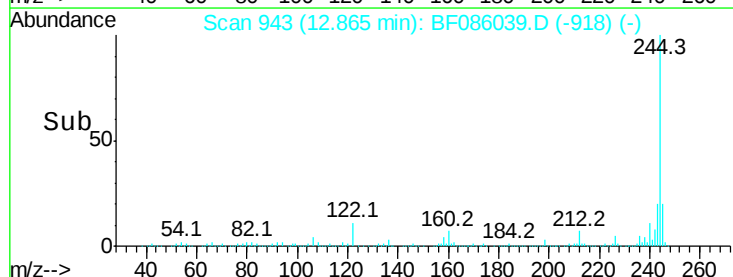
122 11.4 10.2 15.4

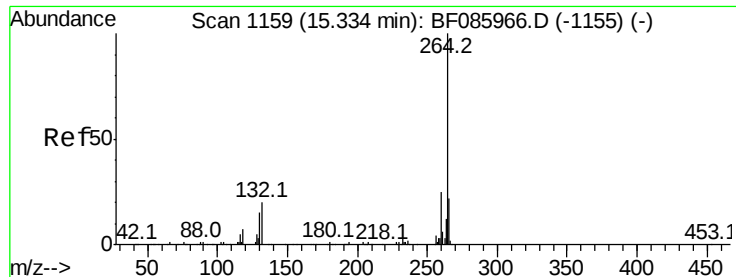


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

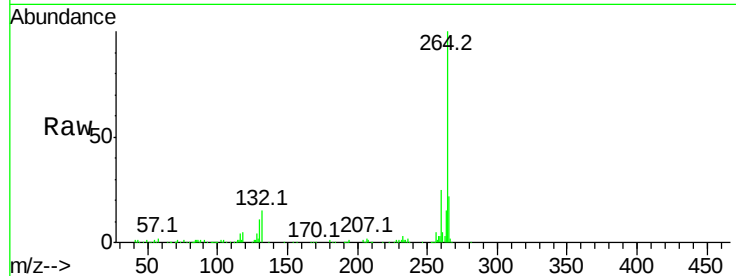




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 1158  
 Delta R.T. -0.01 min  
 Lab File: BF086039.D  
 Acq: 4 Apr 2016 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BH-3(5-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.4  | 29.2  |
| 265     | 21.8  | 17.2  | 25.8  |



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

