

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\  
 Data File : BF092511.D  
 Acq On : 26 Jan 2017 8:35  
 Operator : SJ/MA  
 Sample : I1398-08  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5A-012017

Quant Time: Jan 26 17:03:17 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 146744   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 564843   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.03 | 164  | 320201   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.52 | 188  | 524259   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.15 | 240  | 340695   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.62 | 264  | 308405   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 578285   | 61.31  | ng    | 0.01     |
| 7) Phenol-d6                | 6.58  | 99   | 491025   | 40.87  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 953221   | 92.18  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 281166   | 128.85 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 1372017  | 79.23  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.11 | 244  | 1299584  | 101.57 | ng    | -0.01    |

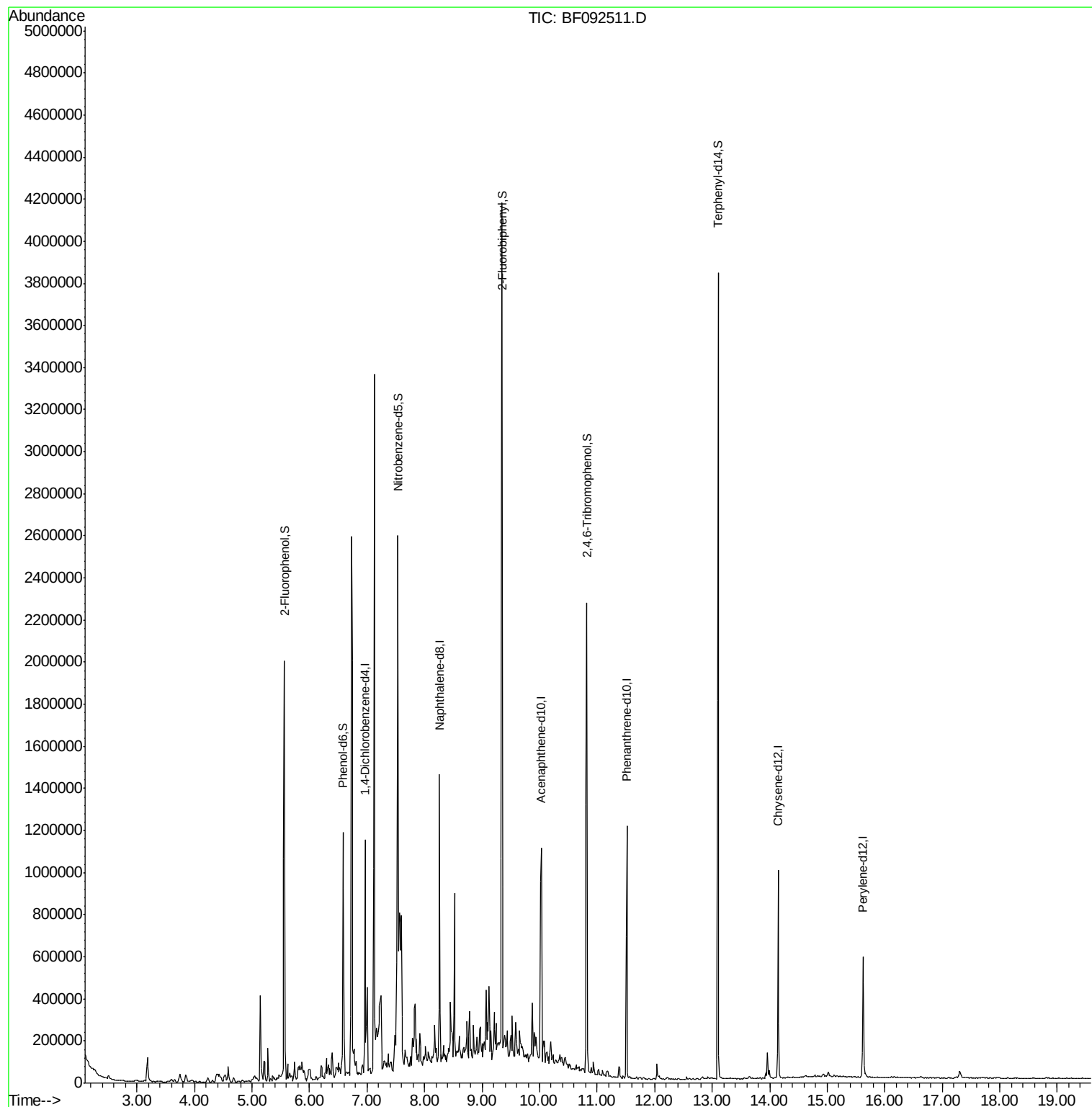
Target Compounds Qvalue

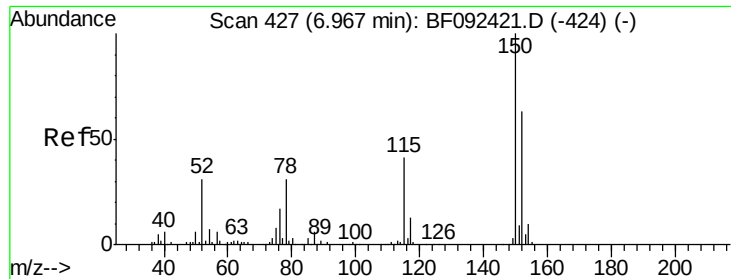
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 24 13:48:07 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092511.D

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Instrument :

BNA\_F

ClientSampleId :

MW-5A-012017

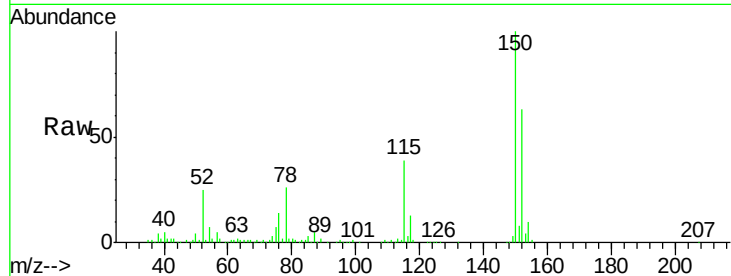
Tot Ion:152 Resp: 146744

Ion Ratio Lower Upper

152 100

150 158.6 124.9 187.3

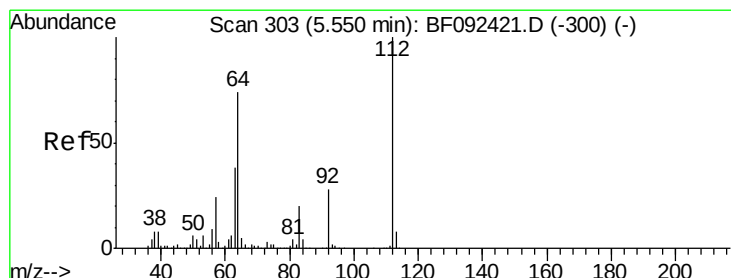
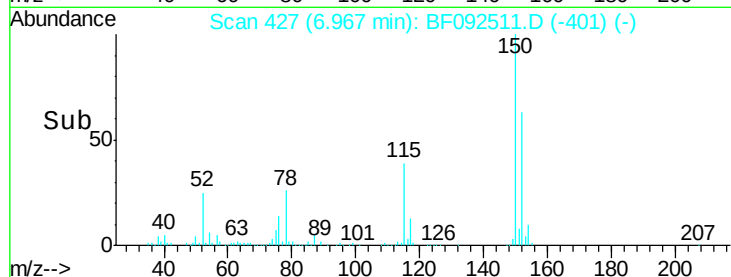
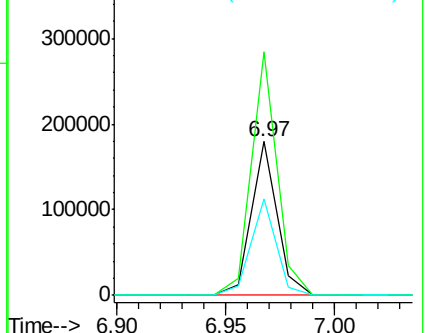
115 62.6 46.0 69.0



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: 61.31 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

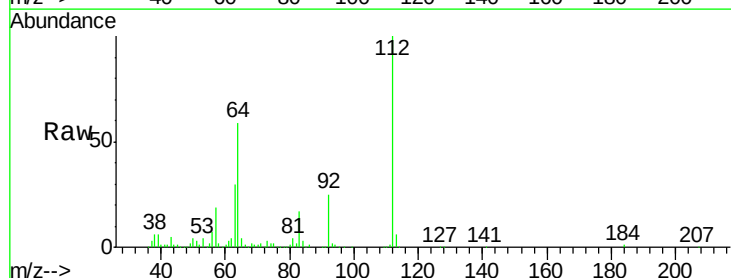
Tgt Ion:112 Resp: 578285

Ion Ratio Lower Upper

112 100

64 58.9 46.1 69.1

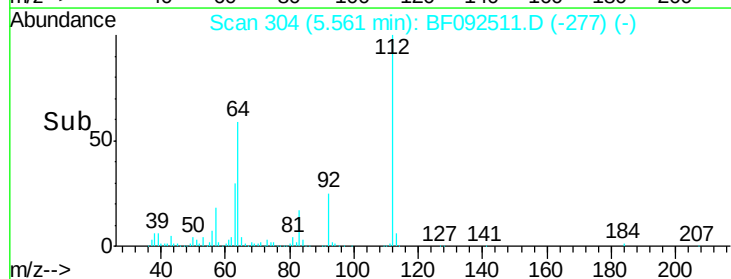
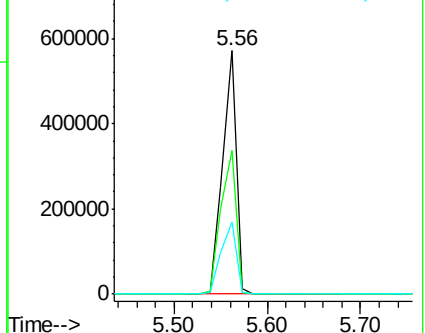
63 29.6 23.8 35.6

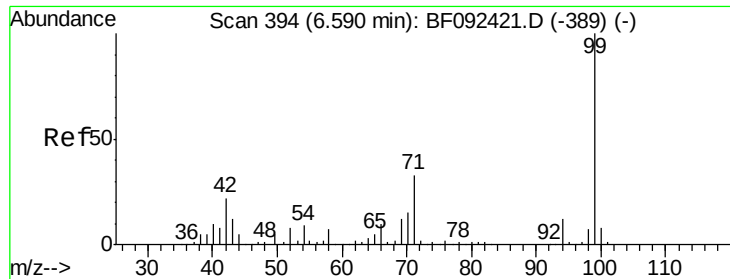


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.87 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA\_F

ClientSampleId :

MW-5A-012017

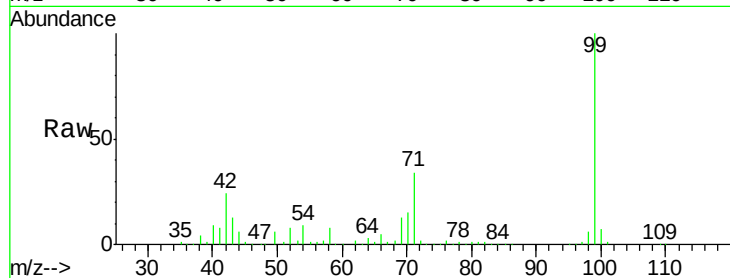
Tot Ion: 99 Resp: 491025

Ion Ratio Lower Upper

99 100

42 24.1 15.6 23.4#

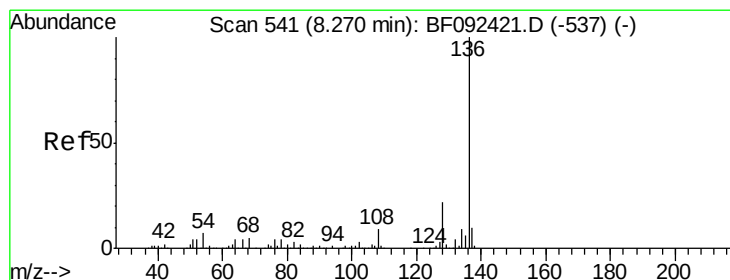
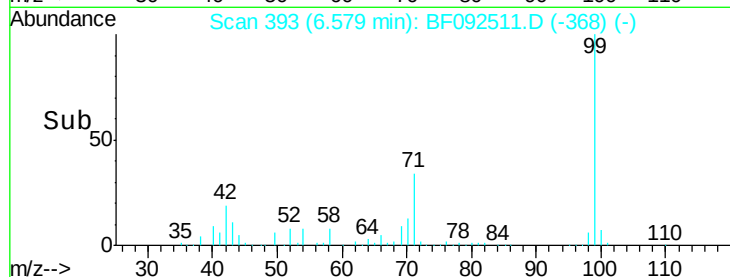
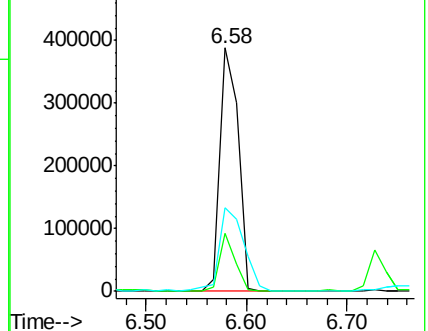
71 34.4 27.5 41.3



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: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Tgt Ion: 136 Resp: 564843

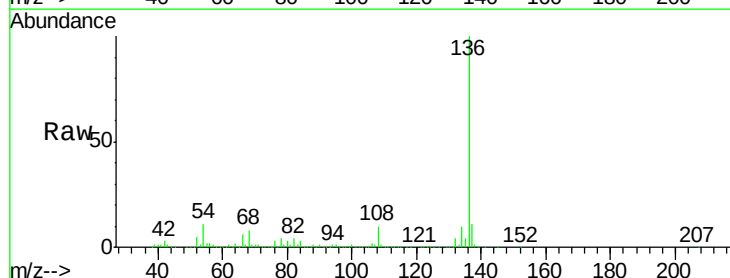
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.2 4.5 6.7#

68 7.6 3.6 5.4#

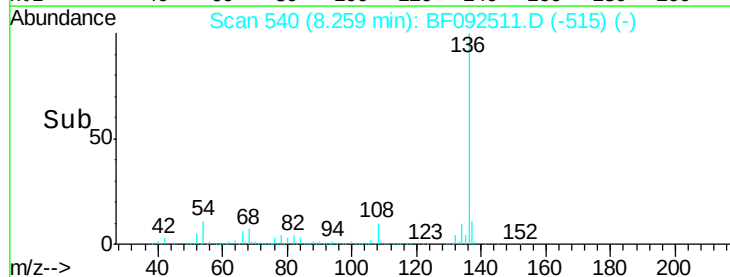
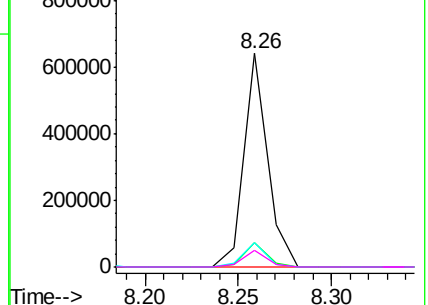


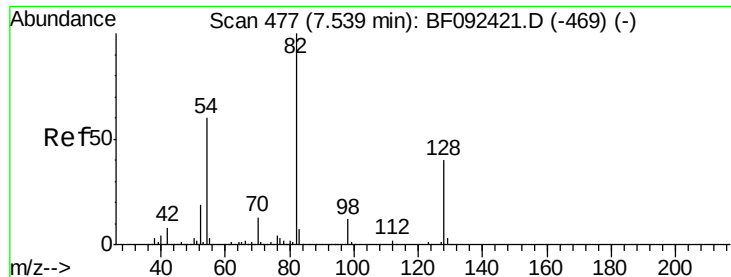
Abundance Ion 136.00 (135.70 to 136.70): E

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

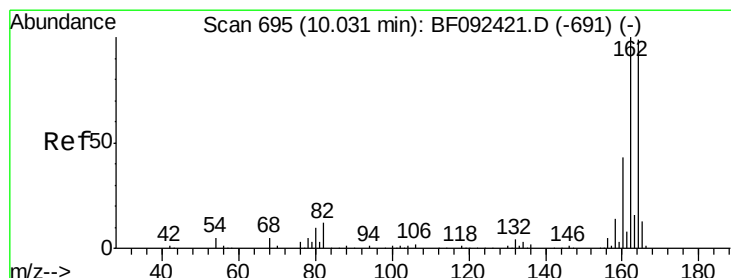
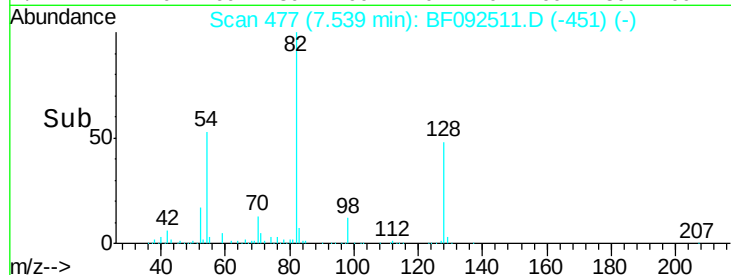
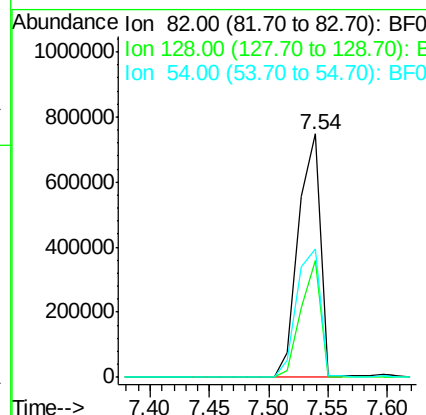
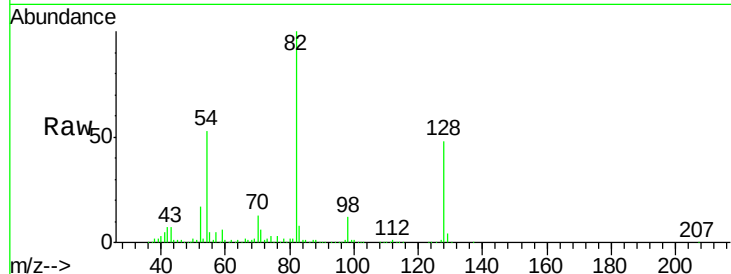




#23  
 Nitrobenzene-d5  
 Concen: 92.18 ng  
 RT: 7.54 min Scan# 477  
 Delta R.T. -0.00 min  
 Lab File: BF092511.D  
 Acq: 26 Jan 2017 8:35

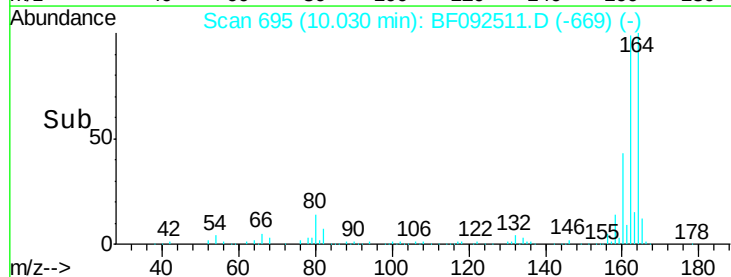
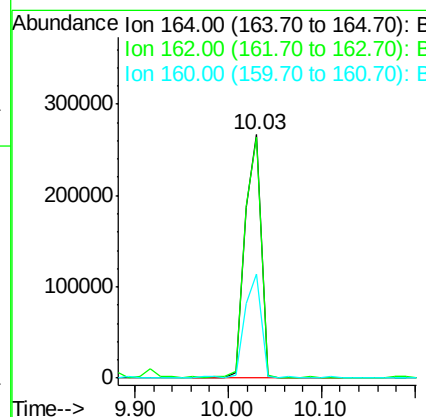
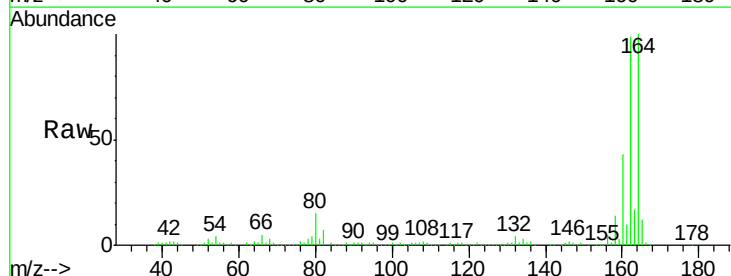
Instrument :  
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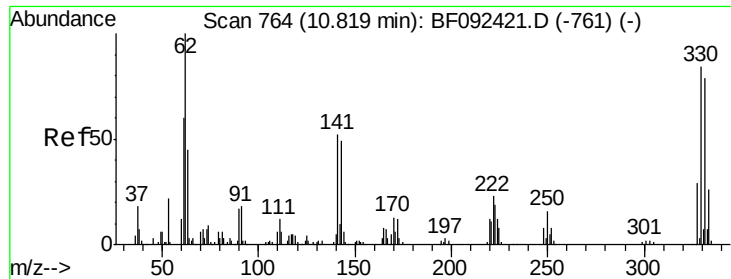
| Tot Ion   | 82    | Resp  | 953221 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.0  | 34.6  | 52.0   |
| 54        | 52.6  | 39.5  | 59.3   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.03 min Scan# 695  
 Delta R.T. -0.00 min  
 Lab File: BF092511.D  
 Acq: 26 Jan 2017 8:35

| Tgt Ion   | 164   | Resp  | 320201 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 99.0  | 80.2  | 120.2  |
| 160       | 42.9  | 36.9  | 55.3   |

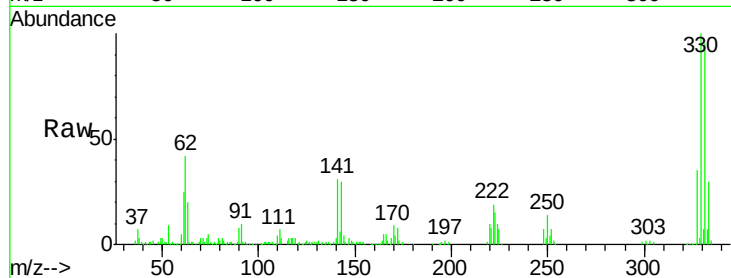




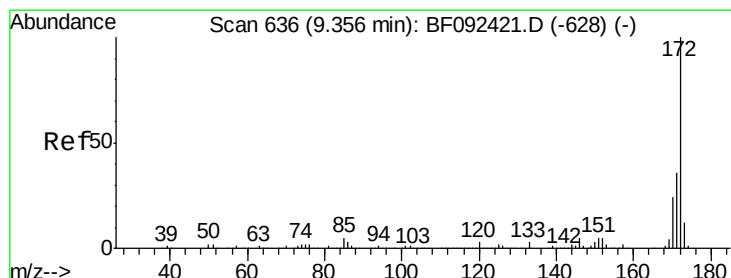
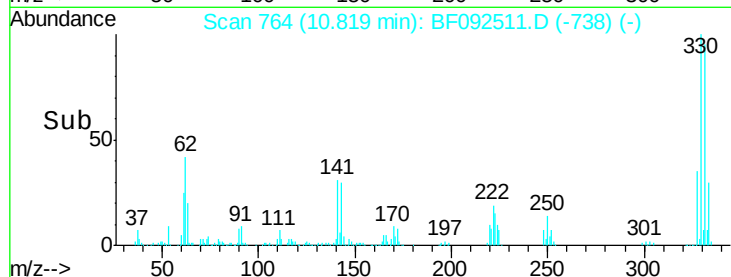
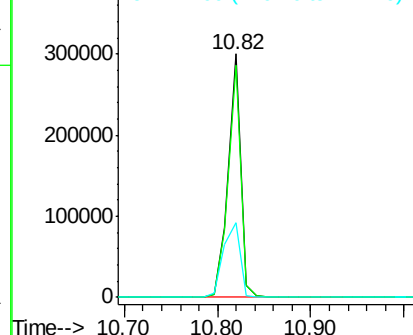
#41  
 2,4,6-Tribromophenol  
 Concen: 128.85 ng  
 RT: 10.82 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BF092511.D  
 Acq: 26 Jan 2017 8:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5A-012017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.4  | 116.2 |
| 141     | 40.5  | 34.1  | 51.1  |

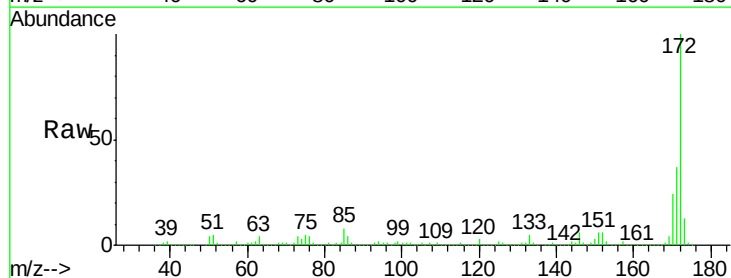


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

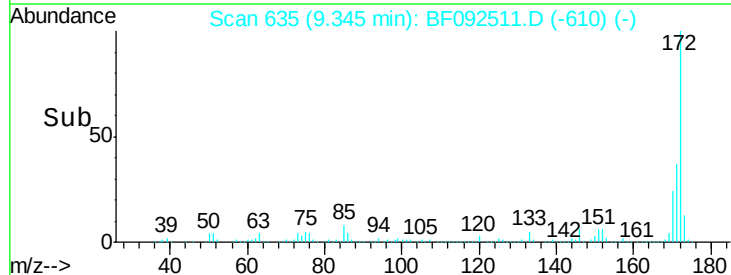
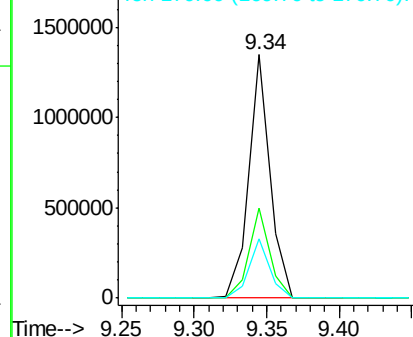


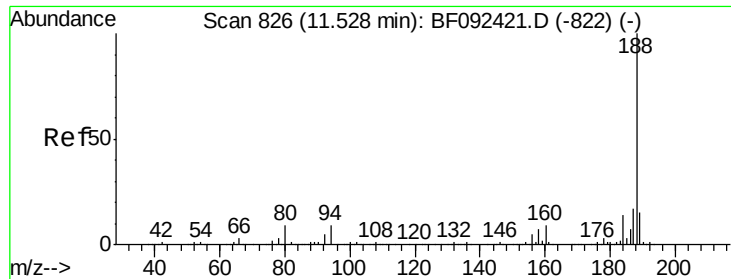
#44  
 2-Fluorobiphenyl  
 Concen: 79.23 ng  
 RT: 9.34 min Scan# 635  
 Delta R.T. -0.01 min  
 Lab File: BF092511.D  
 Acq: 26 Jan 2017 8:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.4  | 44.0  |
| 170     | 24.3  | 20.2  | 30.4  |



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: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

Instrument :

BNA\_F

ClientSampleId :

MW-5A-012017

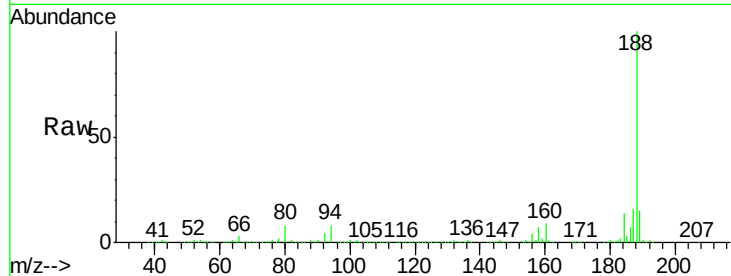
Tot Ion:188 Resp: 524259

Ion Ratio Lower Upper

188 100

94 8.3 10.0 15.0#

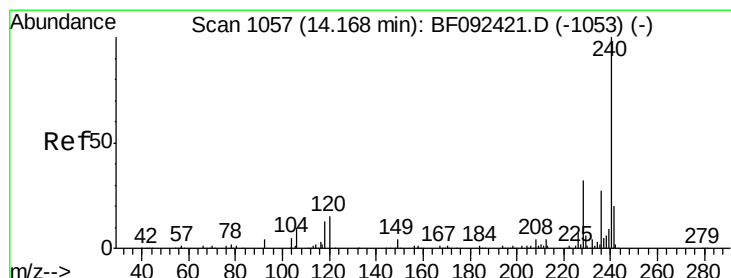
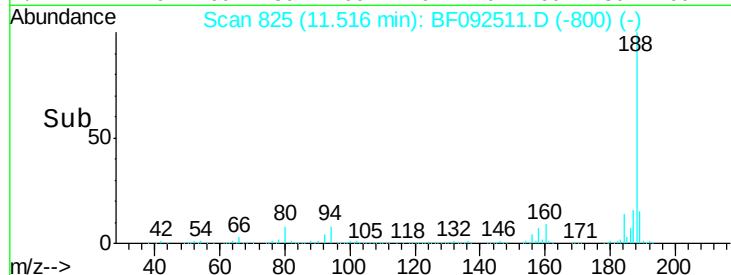
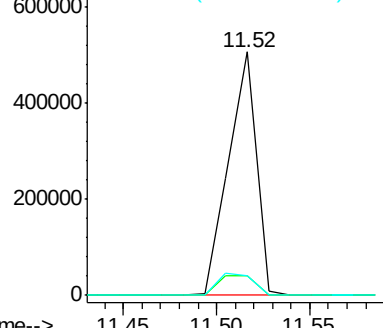
80 8.2 11.2 16.8#



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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092511.D

Acq: 26 Jan 2017 8:35

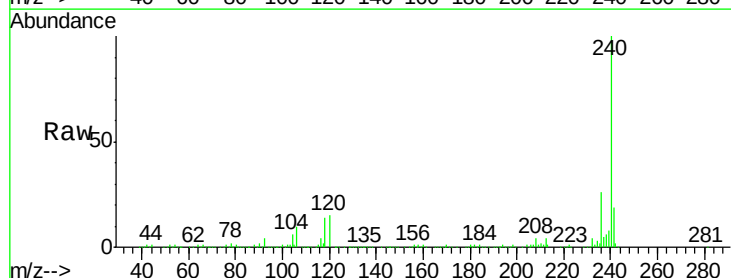
Tgt Ion:240 Resp: 340695

Ion Ratio Lower Upper

240 100

120 15.1 12.9 19.3

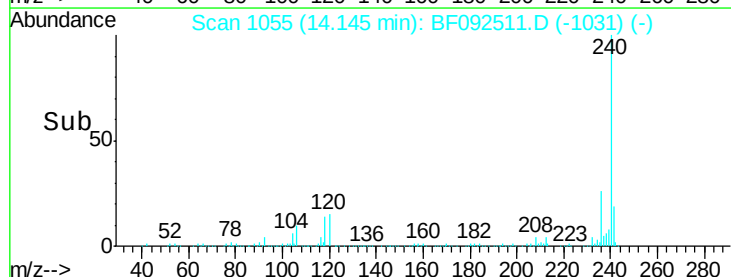
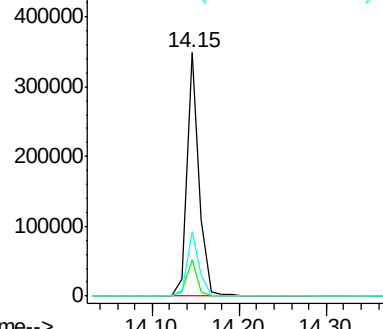
236 26.2 20.9 31.3

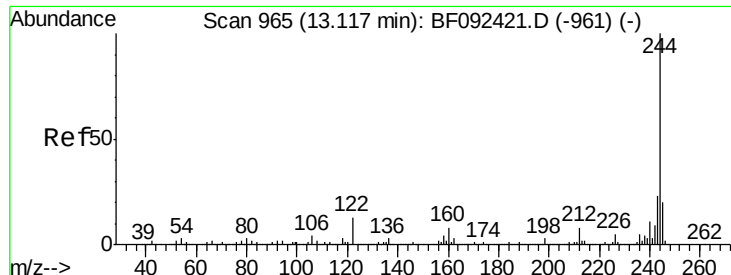


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

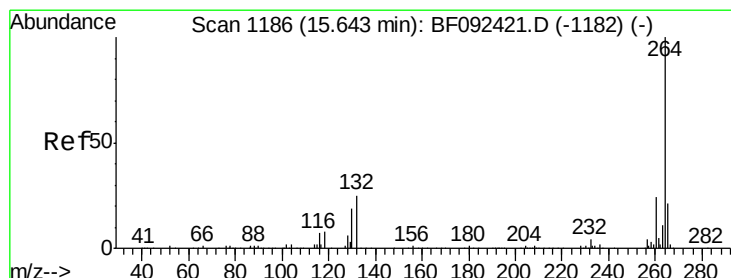
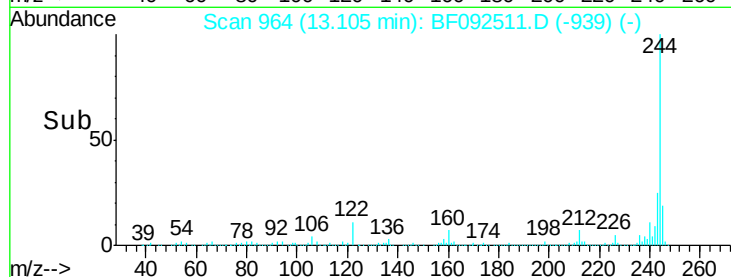
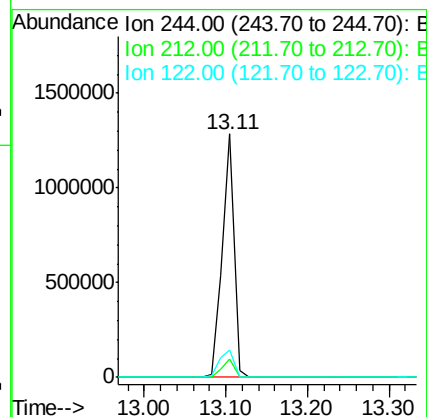
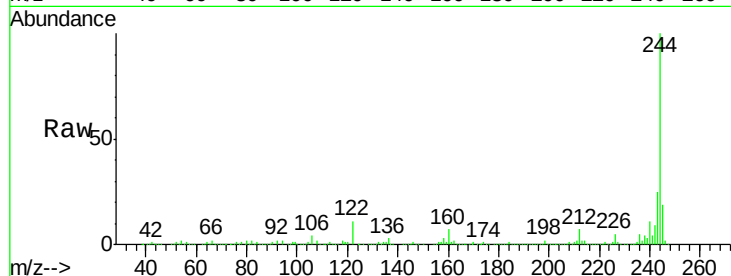




#78  
 Terphenyl-d14  
 Concen: 101.57 ng  
 RT: 13.11 min Scan# 964  
 Delta R.T. -0.01 min  
 Lab File: BF092511.D  
 Acq: 26 Jan 2017 8:35

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Tot Ion:244 Resp: 1299584  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.2 9.2  
 122 11.4 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.62 min Scan# 1184  
 Delta R.T. -0.02 min  
 Lab File: BF092511.D  
 Acq: 26 Jan 2017 8:35

Tgt Ion:264 Resp: 308405  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.2 28.8  
 265 22.7 17.4 26.0

