

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081915\  
 Data File : BF081093.D  
 Acq On : 19 Aug 2015 21:26  
 Operator : UM/IZ  
 Sample : G3310-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-DS01-0012-01

Quant Time: Aug 20 01:40:05 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 17 17:57:25 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.58  | 152  | 69789    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.86  | 136  | 270860   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 9.61  | 164  | 117034   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.09 | 188  | 261246   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 13.71 | 240  | 230147   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 15.04 | 264  | 164005   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.18  | 112  | 527386   | 113.66 | ng    | 0.00     |
| 7) Phenol-d6                | 6.24  | 99   | 719022   | 118.77 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 519213   | 87.57  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 138163   | 136.19 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 8.95  | 172  | 788574   | 88.29  | ng    | -0.04    |
| 78) Terphenyl-d14           | 12.68 | 244  | 743054   | 69.22  | ng    | -0.03    |

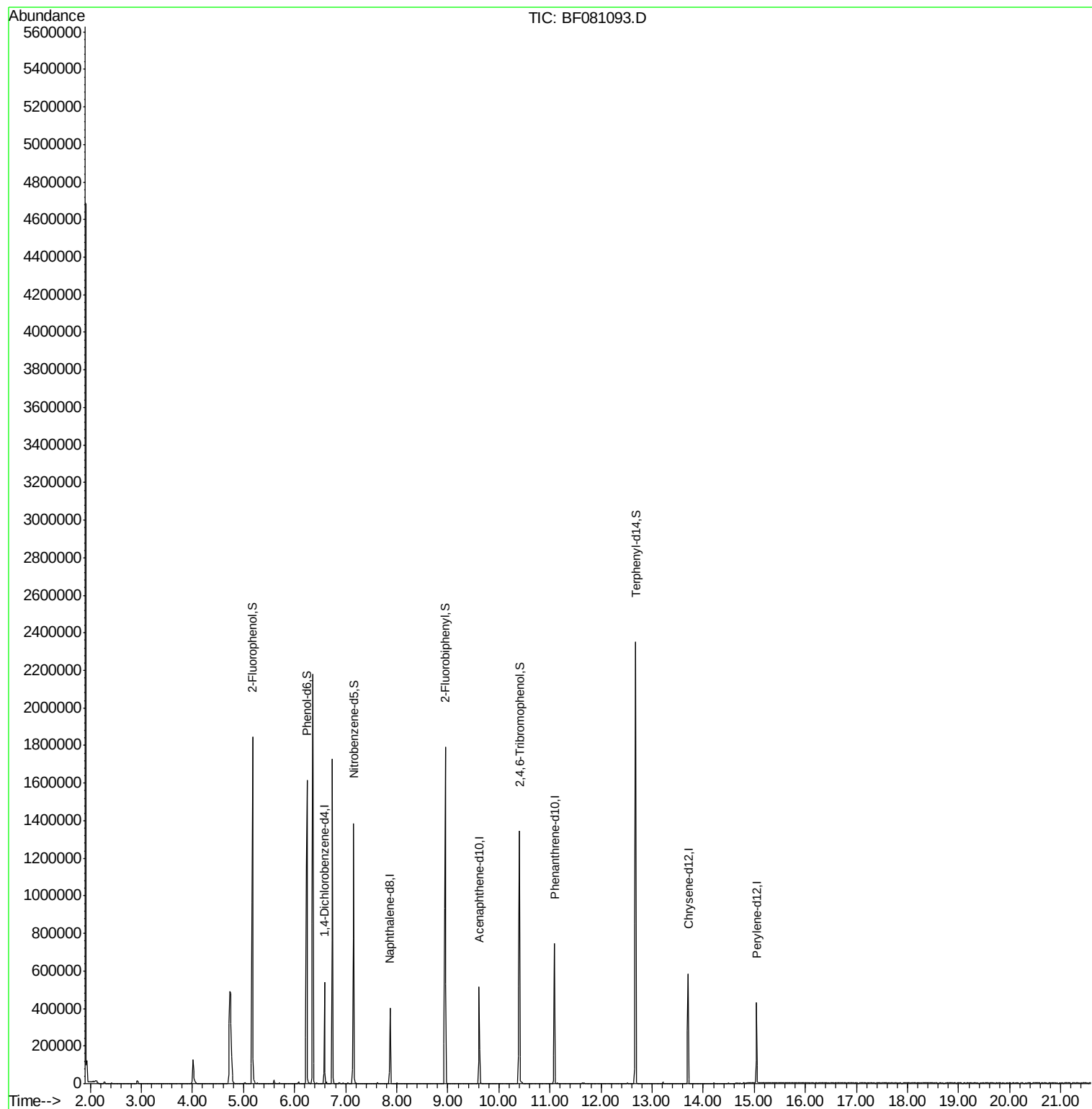
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

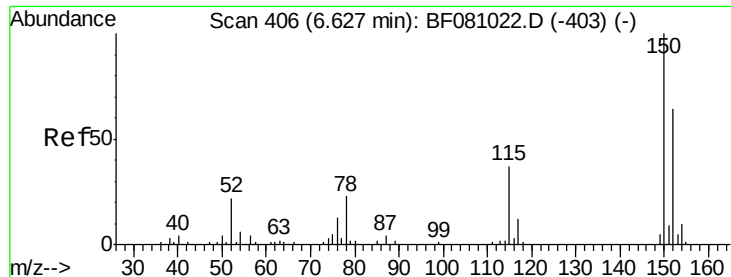
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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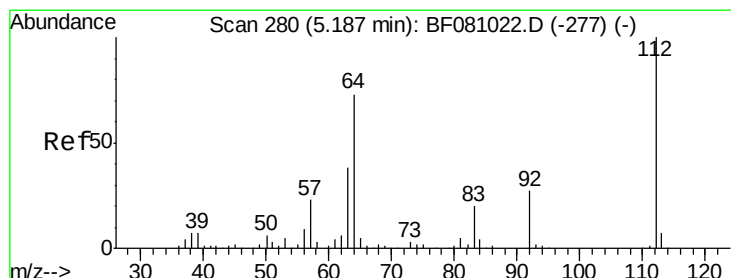
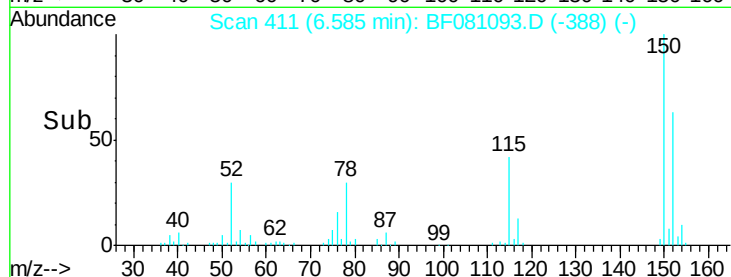
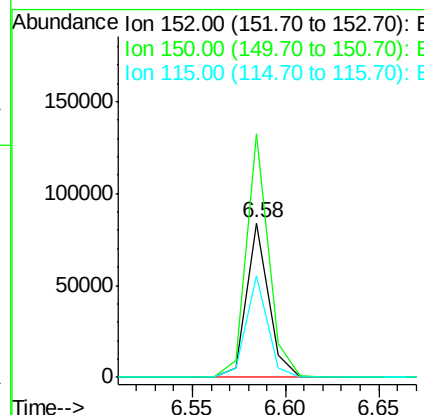
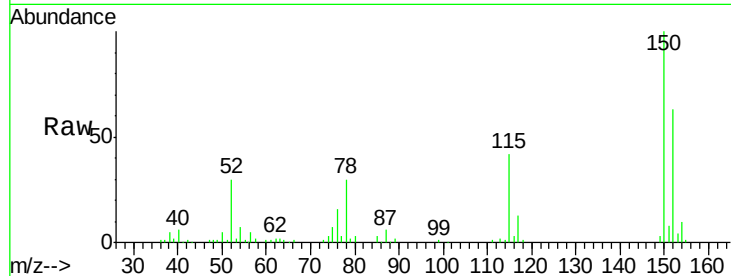




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.58 min Scan# 411  
 Delta R.T. -0.04 min  
 Lab File: BF081093.D  
 Acq: 19 Aug 2015 21:26

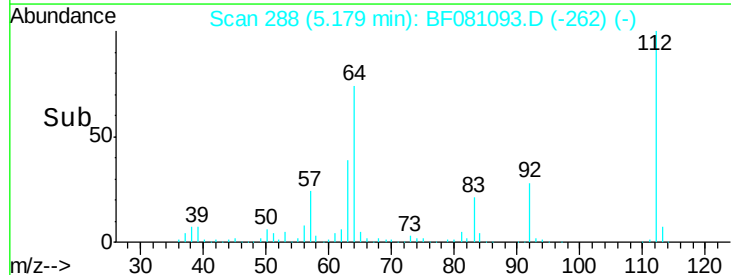
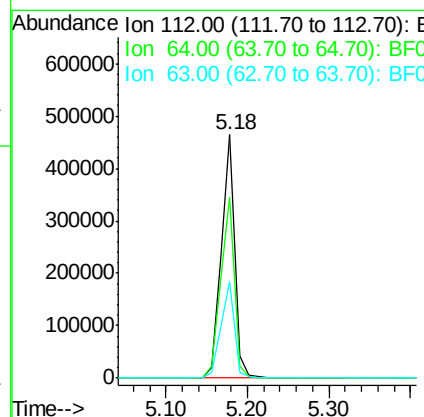
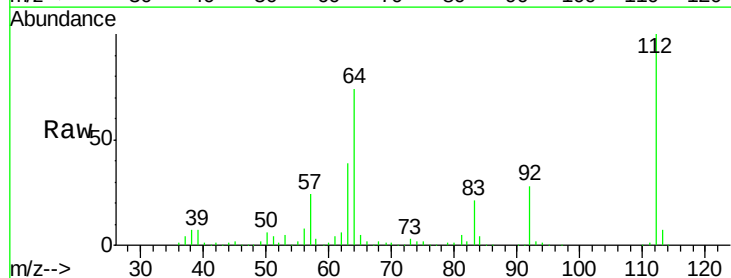
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-DS01-0012-01

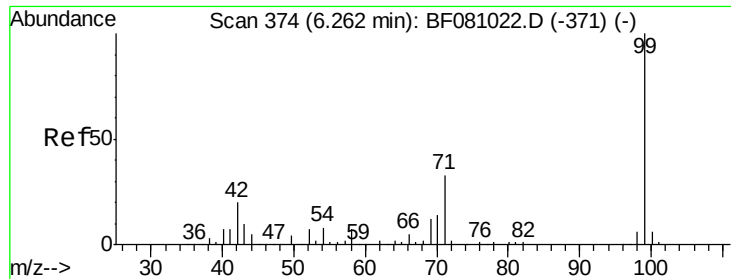
Tgt Ion:152 Resp: 69789  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 123.8 185.6  
 115 66.1 52.1 78.1



#5  
 2-Fluorophenol  
 Concen: 113.66 ng  
 RT: 5.18 min Scan# 288  
 Delta R.T. -0.01 min  
 Lab File: BF081093.D  
 Acq: 19 Aug 2015 21:26

Tgt Ion:112 Resp: 527386  
 Ion Ratio Lower Upper  
 112 100  
 64 74.2 66.9 100.3  
 63 39.4 38.1 57.1





#7

Phenol-d6

Concen: 118.77 ng

RT: 6.24 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF081093.D

Acq: 19 Aug 2015 21:26

Instrument :

BNA\_F

ClientSampleId :

P001-DS01-0012-01

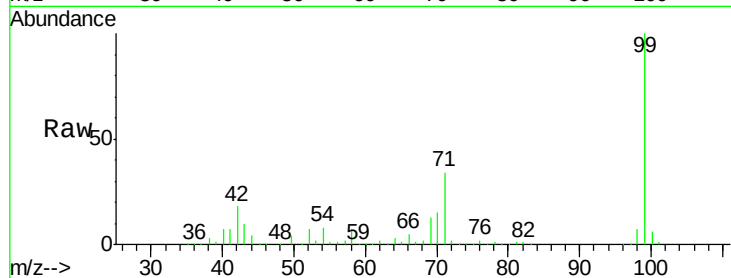
Tgt Ion: 99 Resp: 719022

Ion Ratio Lower Upper

99 100

42 18.4 19.6 29.4#

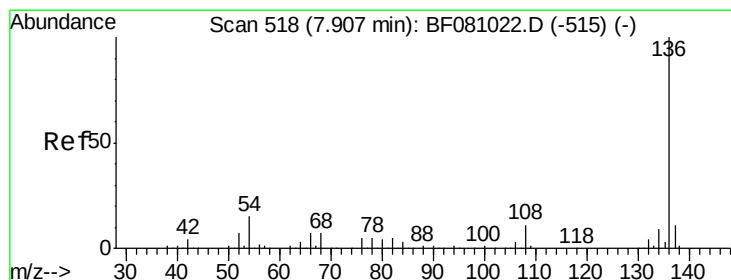
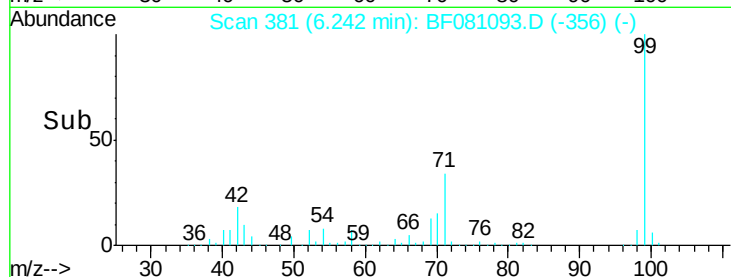
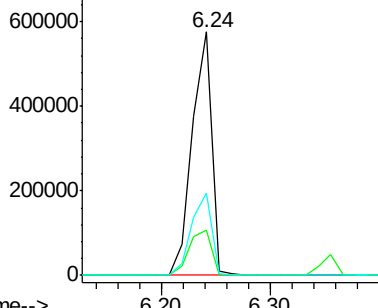
71 34.0 31.2 46.8



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: 7.86 min Scan# 523

Delta R.T. -0.04 min

Lab File: BF081093.D

Acq: 19 Aug 2015 21:26

Tgt Ion: 136 Resp: 270860

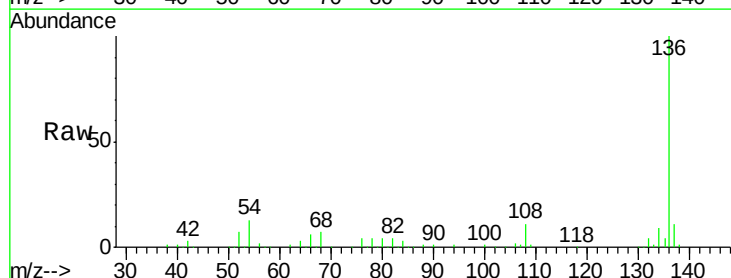
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.2

54 13.2 7.7 11.5#

68 6.8 3.4 5.2#

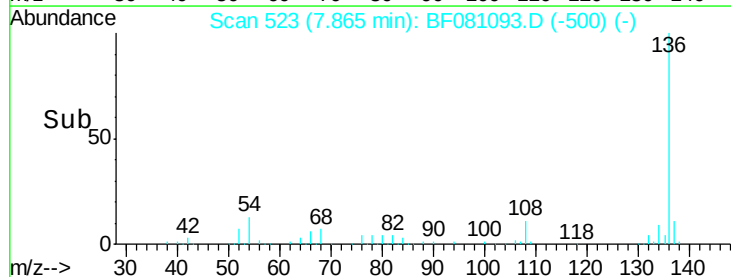
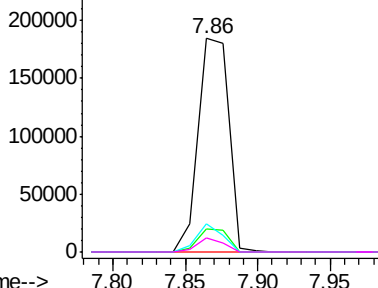


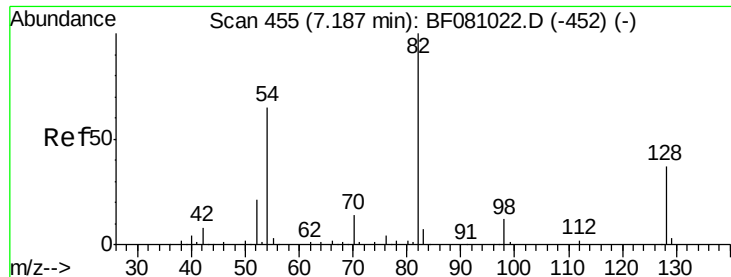
Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.57 ng

RT: 7.16 min Scan# 461

Delta R.T. -0.03 min

Lab File: BF081093.D

Acq: 19 Aug 2015 21:26

Instrument :

BNA\_F

ClientSampleId :

P001-DS01-0012-01

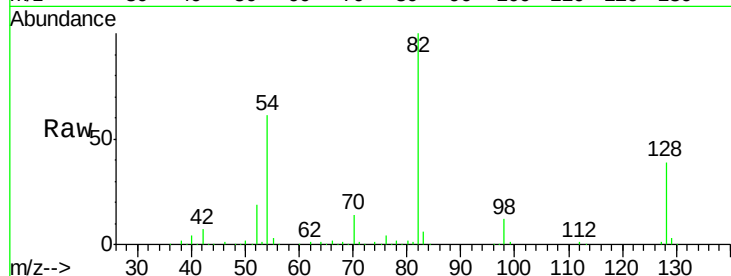
Tgt Ion: 82 Resp: 519213

Ion Ratio Lower Upper

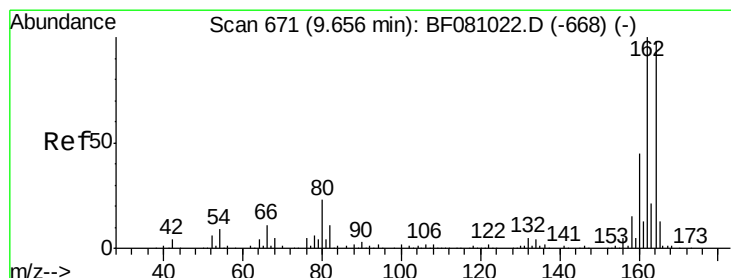
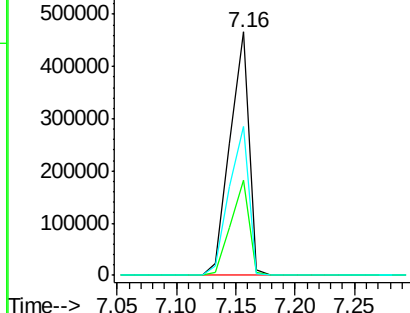
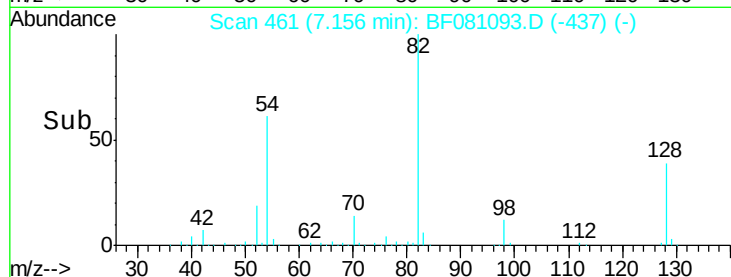
82 100

128 39.1 28.6 42.8

54 61.0 55.1 82.7



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: 9.61 min Scan# 676

Delta R.T. -0.04 min

Lab File: BF081093.D

Acq: 19 Aug 2015 21:26

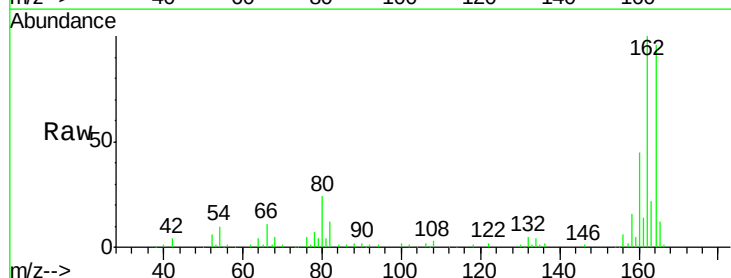
Tgt Ion: 164 Resp: 117034

Ion Ratio Lower Upper

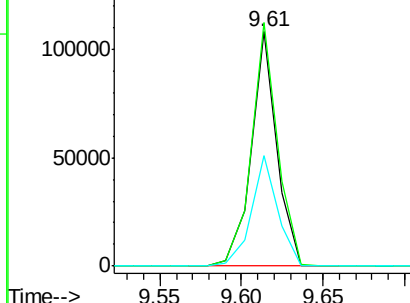
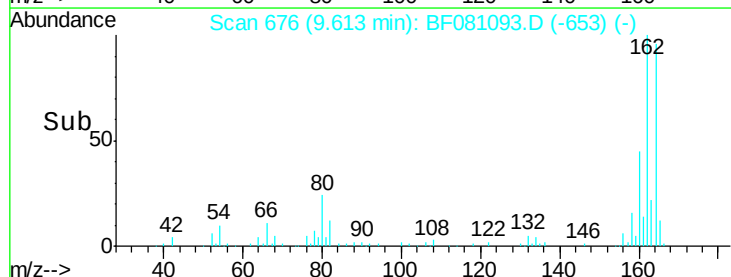
164 100

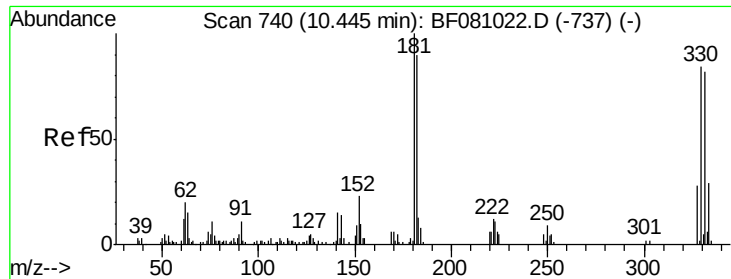
162 103.9 83.8 125.8

160 47.2 39.8 59.8



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

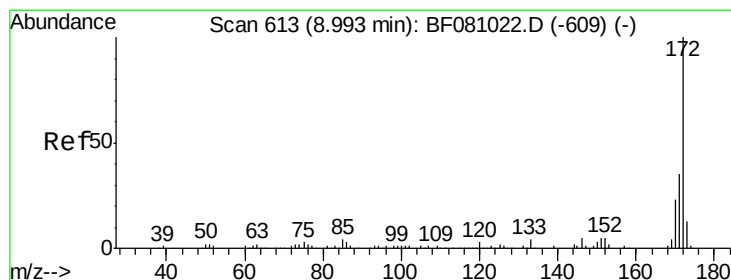
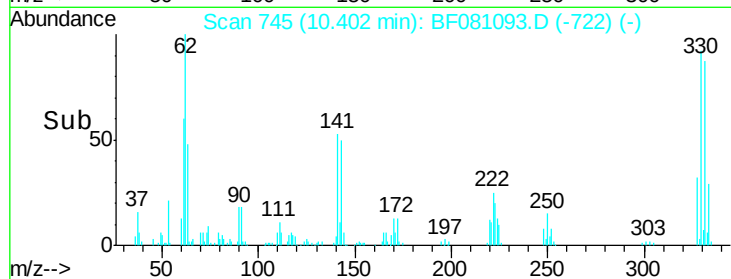
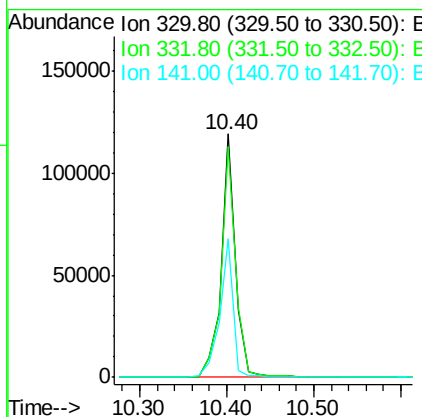
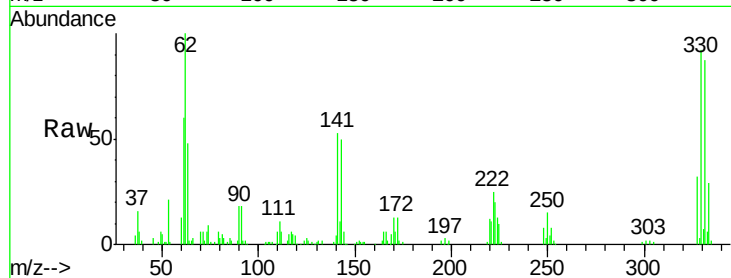




#41  
 2,4,6-Tribromophenol  
 Concen: 136.19 ng  
 RT: 10.40 min Scan# 745  
 Delta R.T. -0.04 min  
 Lab File: BF081093.D  
 Acq: 19 Aug 2015 21:26

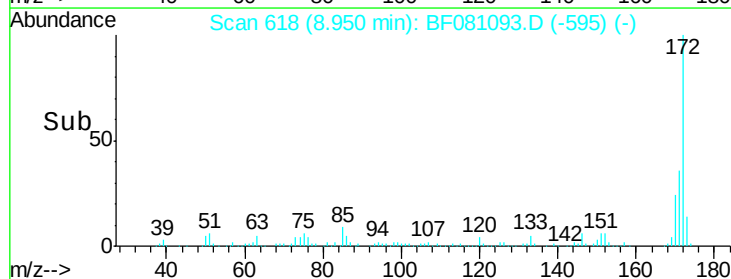
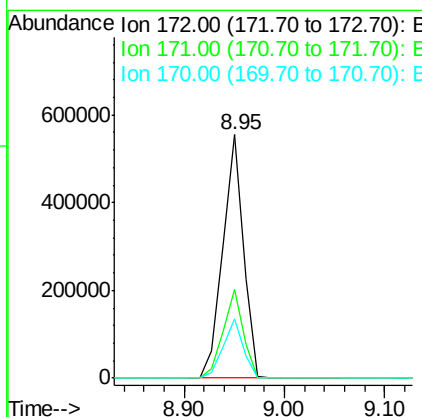
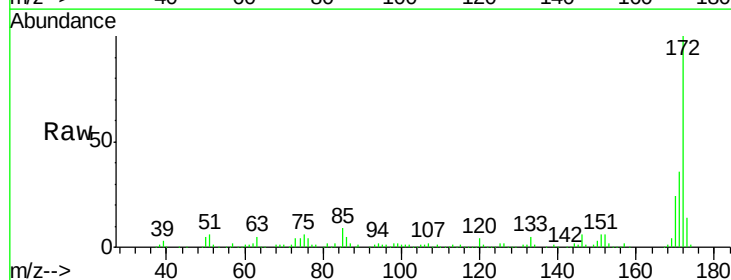
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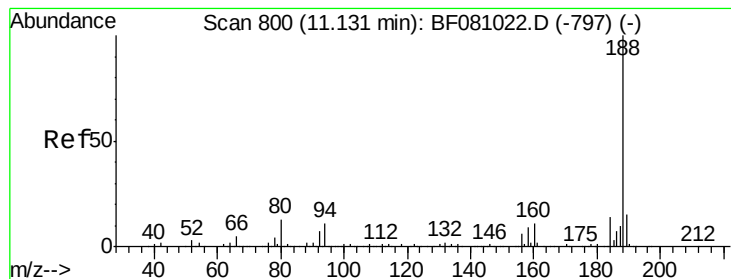
Tgt Ion:330 Resp: 138163  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.3 115.9  
 141 54.0 44.9 67.3



#44  
 2-Fluorobiphenyl  
 Concen: 88.29 ng  
 RT: 8.95 min Scan# 618  
 Delta R.T. -0.04 min  
 Lab File: BF081093.D  
 Acq: 19 Aug 2015 21:26

Tgt Ion:172 Resp: 788574  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.9 43.3  
 170 24.4 19.4 29.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 805

Delta R.T. -0.04 min

Lab File: BF081093.D

Acq: 19 Aug 2015 21:26

Instrument :

BNA\_F

ClientSampleId :

P001-DS01-0012-01

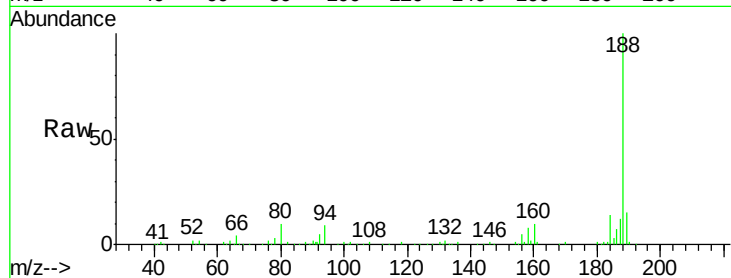
Tgt Ion:188 Resp: 261246

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

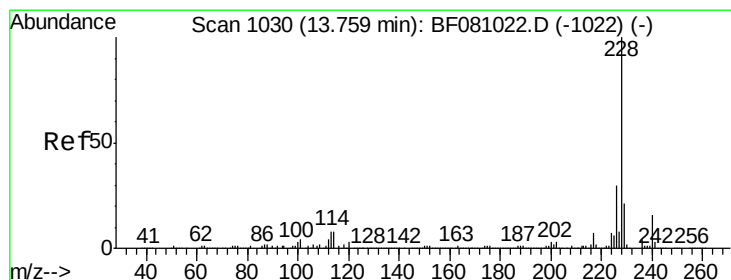
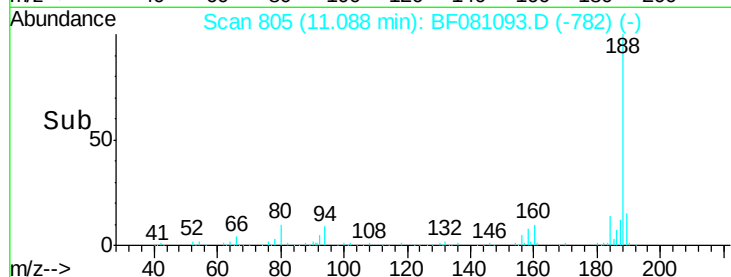
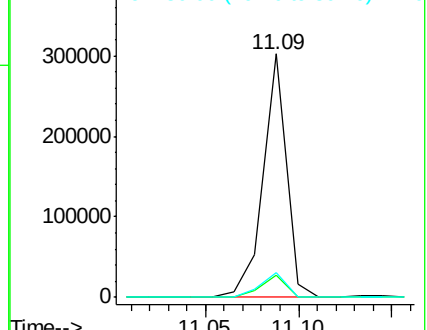
80 10.1 9.5 14.3



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: 13.71 min Scan# 1034

Delta R.T. -0.04 min

Lab File: BF081093.D

Acq: 19 Aug 2015 21:26

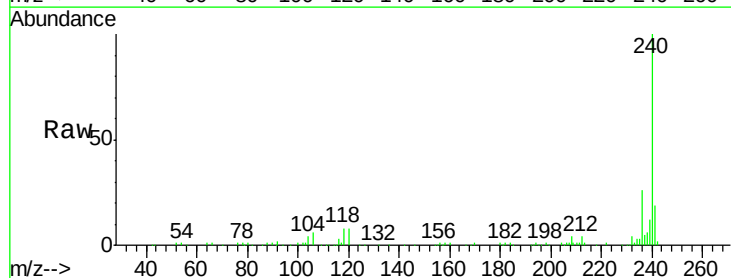
Tgt Ion:240 Resp: 230147

Ion Ratio Lower Upper

240 100

120 8.5 5.6 8.4#

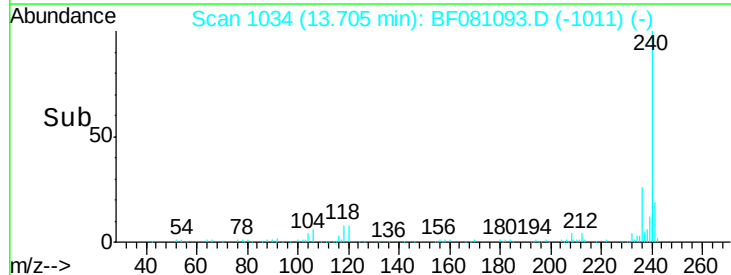
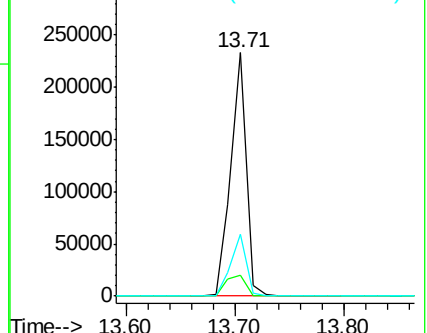
236 25.6 20.6 30.8

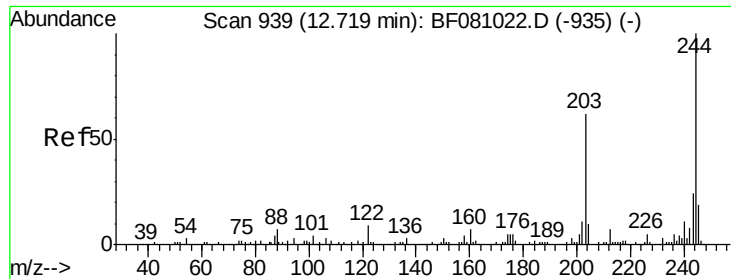


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

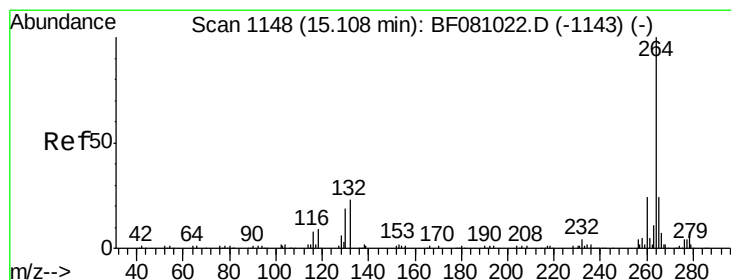
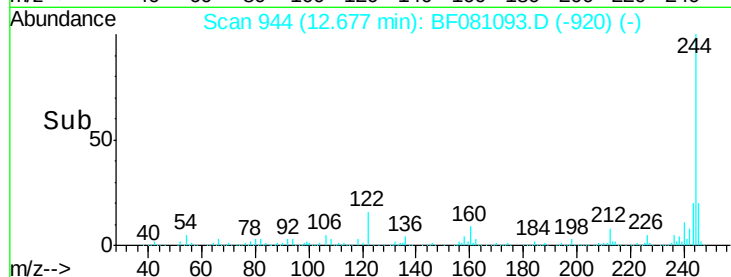
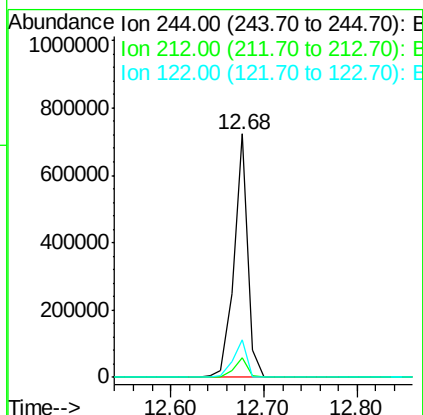
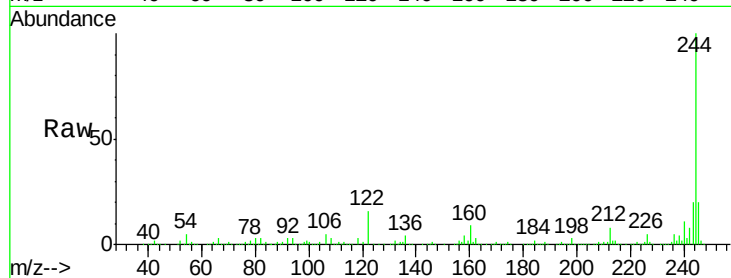




#78  
 Terphenyl-d14  
 Concen: 69.22 ng  
 RT: 12.68 min Scan# 944  
 Delta R.T. -0.03 min  
 Lab File: BF081093.D  
 Acq: 19 Aug 2015 21:26

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Tgt Ion: 244 Resp: 743054  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 5.8 8.8  
 122 15.5 8.2 12.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.04 min Scan# 1151  
 Delta R.T. -0.05 min  
 Lab File: BF081093.D  
 Acq: 19 Aug 2015 21:26

Tgt Ion: 264 Resp: 164005  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 19.6 29.4  
 265 20.5 17.5 26.3

