

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072315\  
 Data File : BF080613.D  
 Acq On : 24 Jul 2015 2:01  
 Operator : TP/UM  
 Sample : G3068-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WESTWALL3-72215

Quant Time: Jul 24 03:15:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 24 01:01:51 2015  
 Response via : Initial Calibration

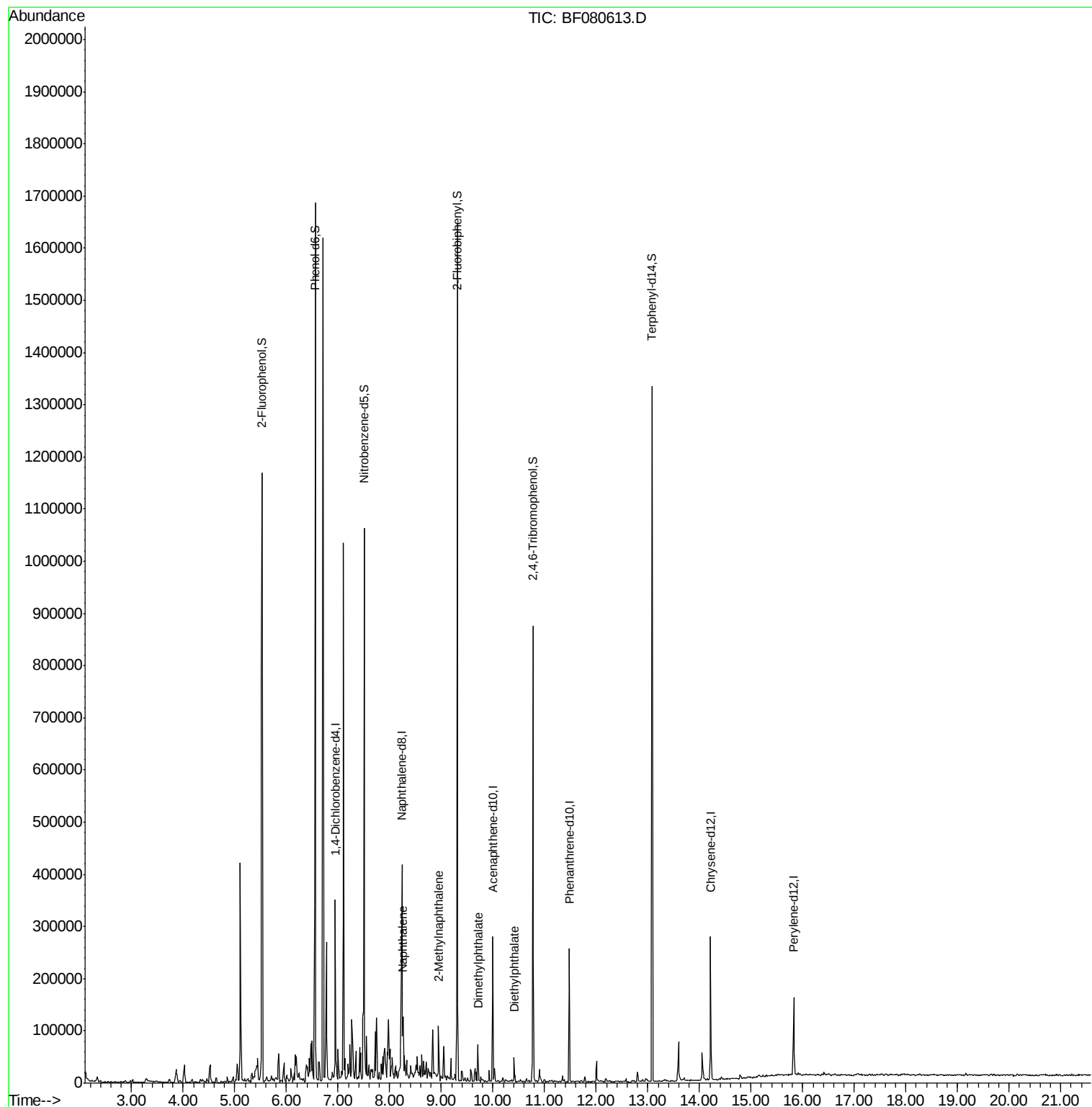
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 40417    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.24  | 136  | 155787   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.00 | 164  | 64942    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.48 | 188  | 117694   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.21 | 240  | 99960    | 20.00  | ng    | 0.03           |
| 86) Perylene-d12            | 15.83 | 264  | 73154    | 20.00  | ng    | 0.08           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.53  | 112  | 323500   | 138.25 | ng    | 0.01           |
| 7) Phenol-d6                | 6.56  | 99   | 409492   | 143.15 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 258553   | 94.04  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.77 | 330  | 79464    | 154.42 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 402366   | 89.90  | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.08 | 244  | 383865   | 80.36  | ng    | 0.01           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 8.26  | 128  | 34955    | 4.49   | ng    | Qvalue<br># 93 |
| 37) 2-Methylnaphthalene     | 8.94  | 142  | 27705    | 6.35   | ng    | 96             |
| 49) Dimethylphthalate       | 9.71  | 163  | 34372    | 7.19   | ng    | # 95           |
| 59) Diethylphthalate        | 10.41 | 149  | 14584    | 3.27   | ng    | 97             |

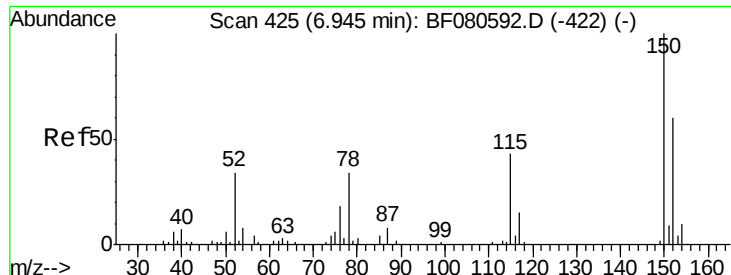
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 24 01:01:51 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA\_F

ClientSampleId :

WESTWALL3-72215

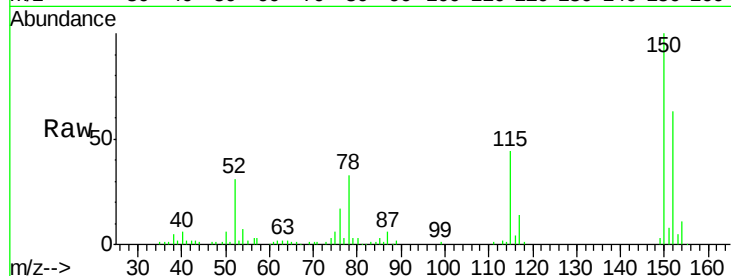
Tgt Ion:152 Resp: 40417

Ion Ratio Lower Upper

152 100

150 159.6 128.7 193.1

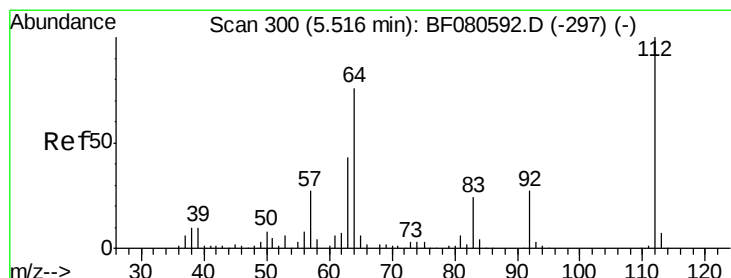
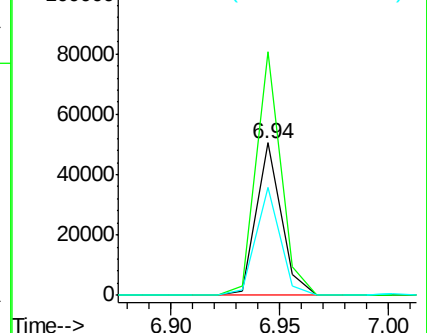
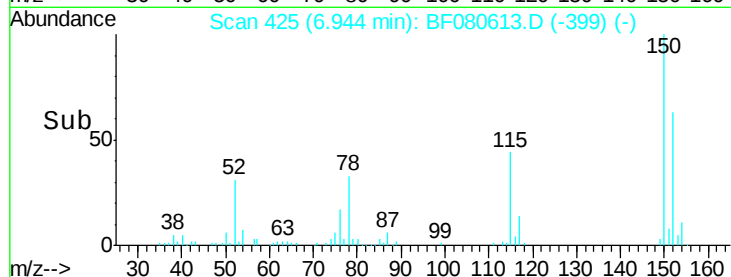
115 70.9 56.8 85.2



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: 138.25 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

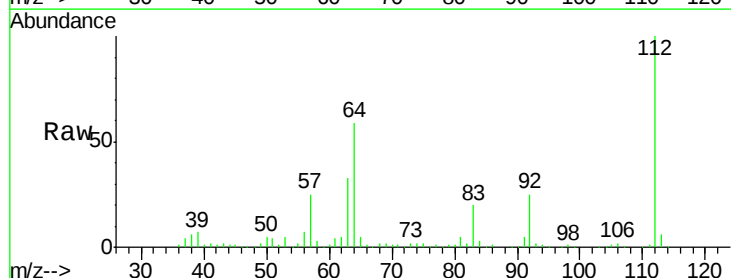
Tgt Ion:112 Resp: 323500

Ion Ratio Lower Upper

112 100

64 58.6 60.2 90.2#

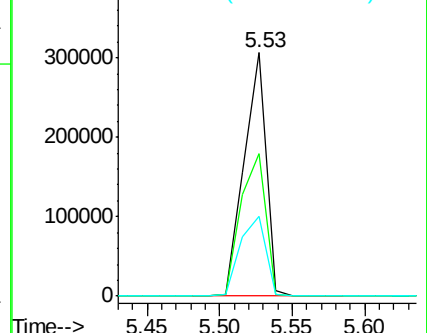
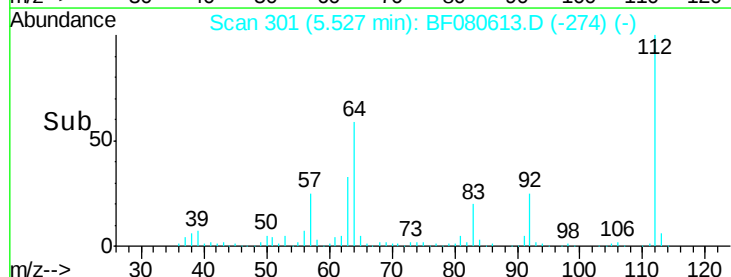
63 33.0 34.8 52.2#

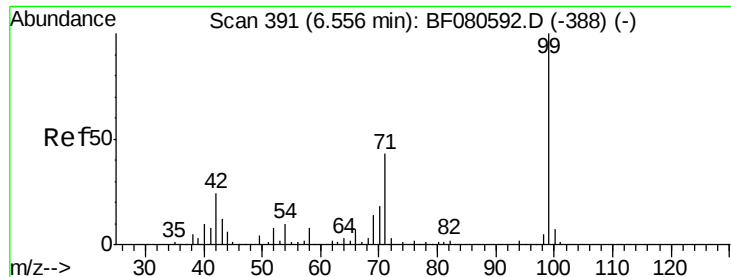


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.15 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA\_F

ClientSampleId :

WESTWALL3-72215

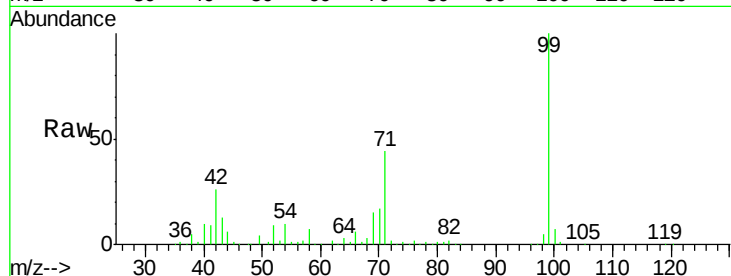
Tgt Ion: 99 Resp: 409492

Ion Ratio Lower Upper

99 100

42 26.5 17.4 26.2#

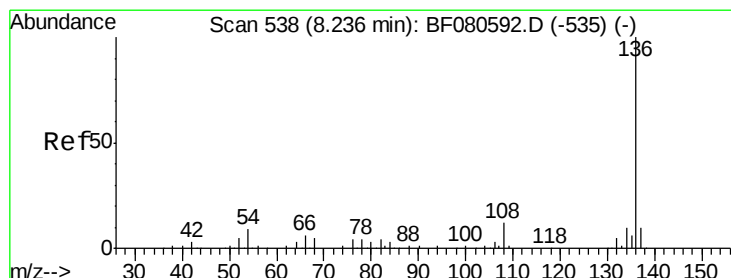
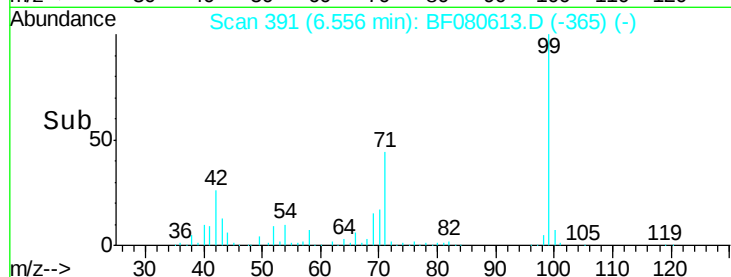
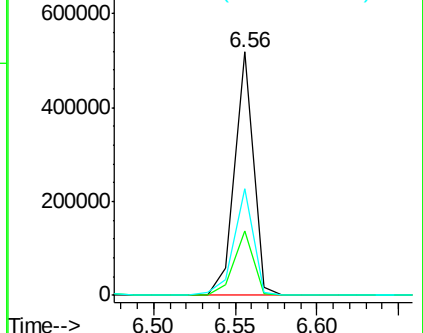
71 43.6 29.0 43.6#



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: 8.24 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Tgt Ion: 136 Resp: 155787

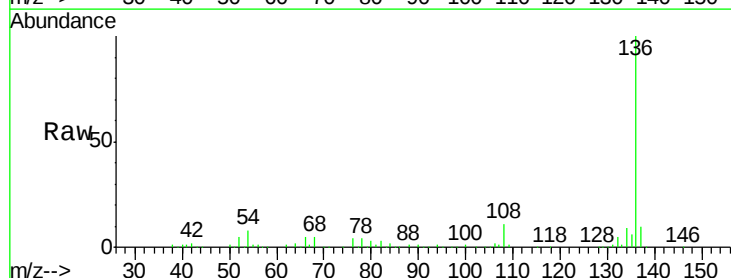
Ion Ratio Lower Upper

136 100

137 10.5 7.8 11.8

54 8.4 7.2 10.8

68 4.5 3.8 5.6

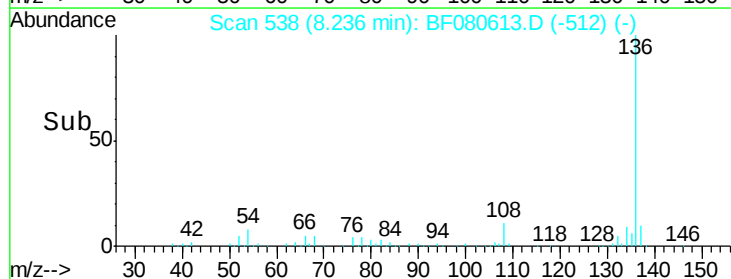
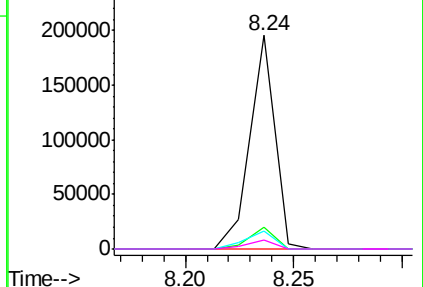


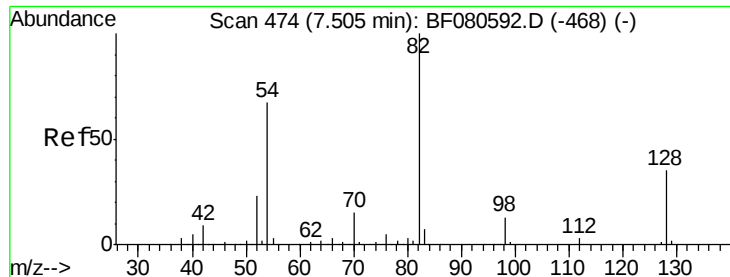
Abundance Ion 136.00 (135.70 to 136.70): E

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

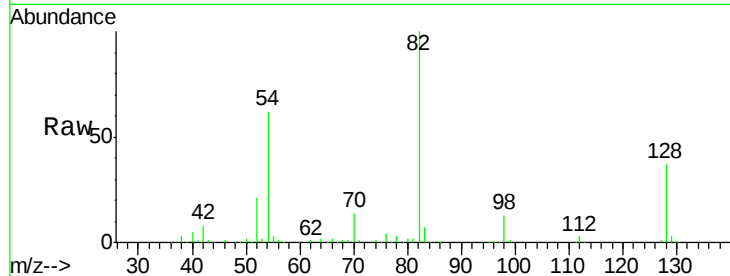




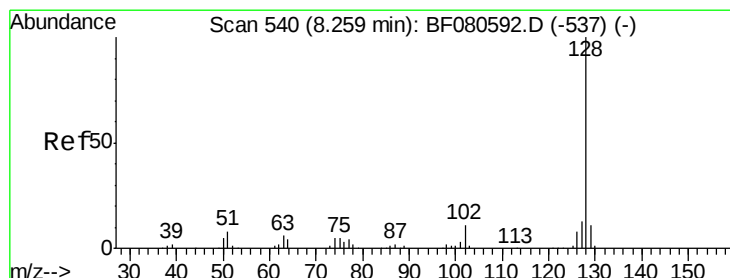
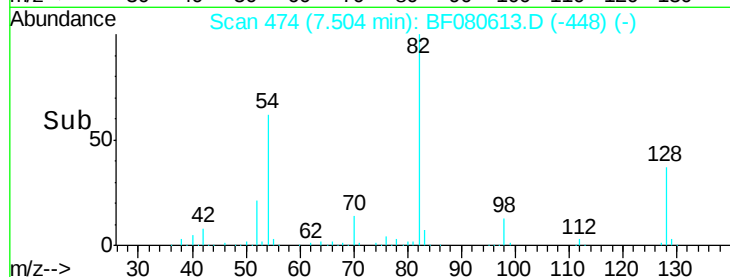
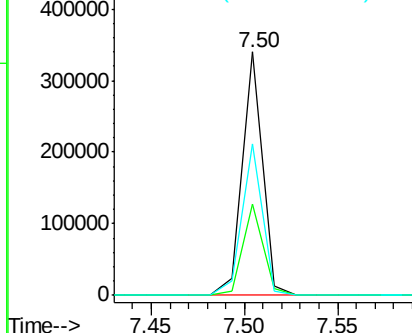
#23  
 Nitrobenzene-d5  
 Concen: 94.04 ng  
 RT: 7.50 min Scan# 474  
 Delta R.T. 0.00 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Instrument :  
 BNA\_F  
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Tgt Ion: 82 Resp: 258553  
 Ion Ratio Lower Upper  
 82 100  
 128 37.3 28.9 43.3  
 54 62.3 54.5 81.7

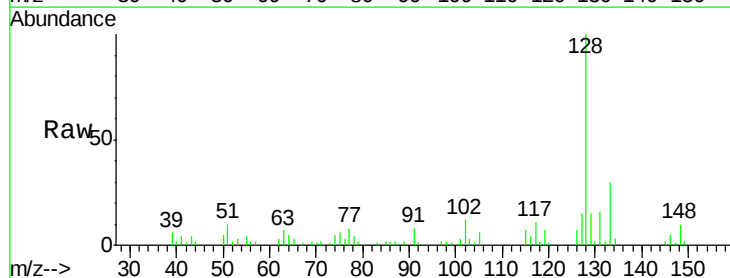


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

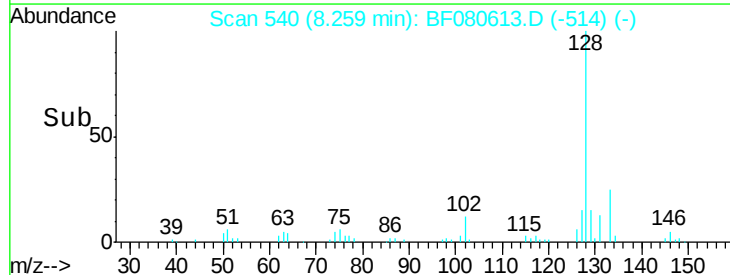
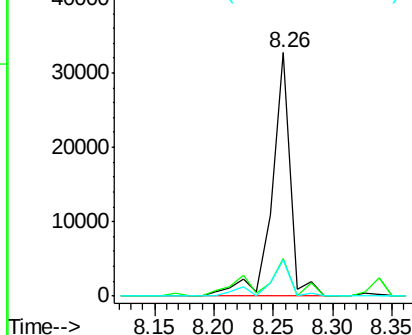


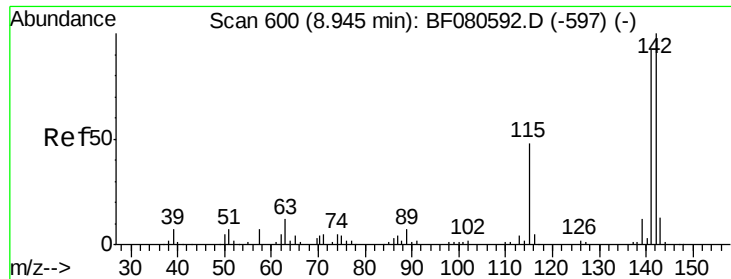
#31  
 Naphthalene  
 Concen: 4.49 ng  
 RT: 8.26 min Scan# 540  
 Delta R.T. 0.00 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Tgt Ion: 128 Resp: 34955  
 Ion Ratio Lower Upper  
 128 100  
 129 15.2 8.6 13.0#  
 127 14.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E

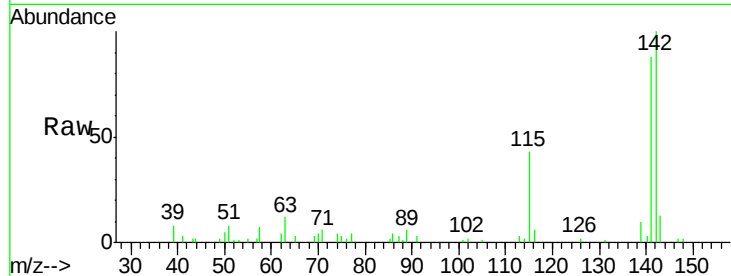




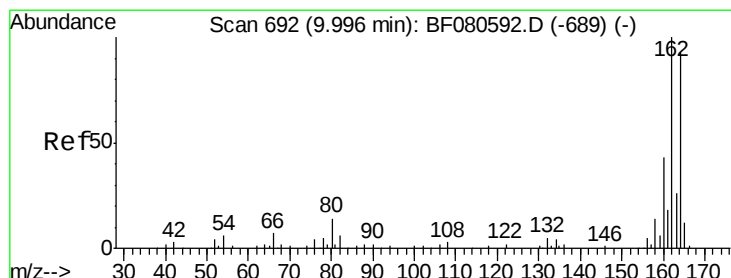
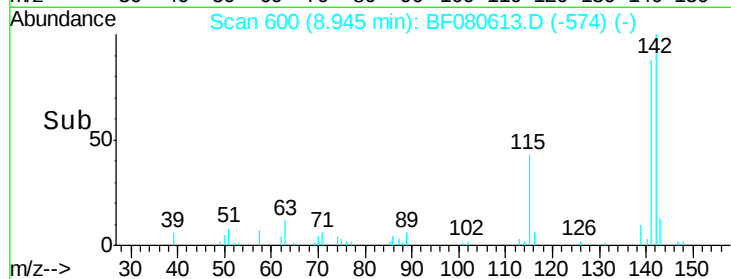
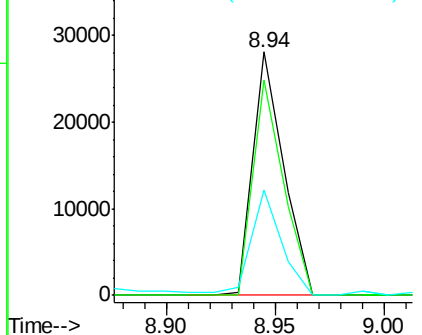
#37  
 2-Methylnaphthalene  
 Concen: 6.35 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. 0.00 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WESTWALL3-72215

Tgt Ion:142 Resp: 27705  
 Ion Ratio Lower Upper  
 142 100  
 141 88.4 72.6 109.0  
 115 43.3 38.2 57.2

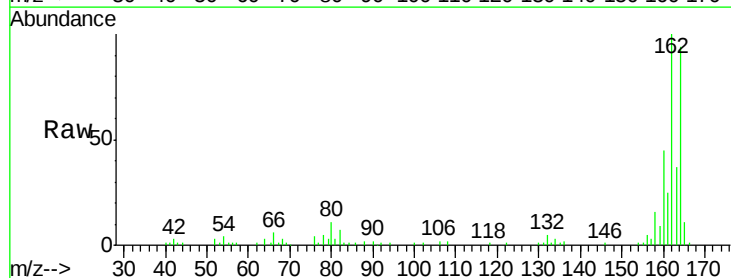


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

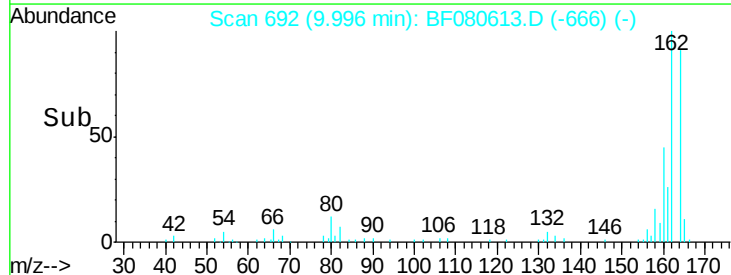
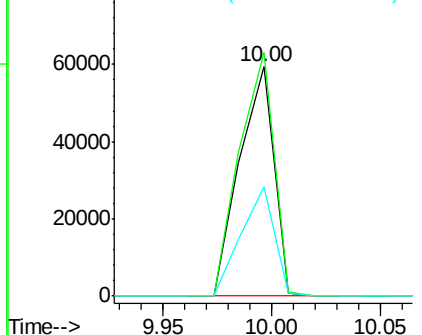


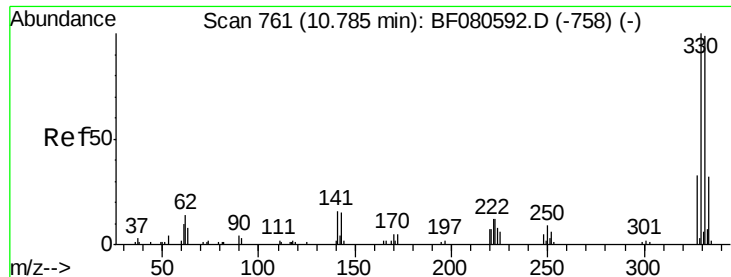
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.00 min Scan# 692  
 Delta R.T. 0.00 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Tgt Ion:164 Resp: 64942  
 Ion Ratio Lower Upper  
 164 100  
 162 106.2 82.2 123.4  
 160 47.7 36.1 54.1



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

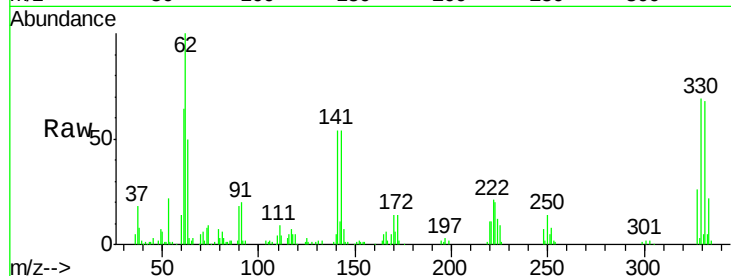




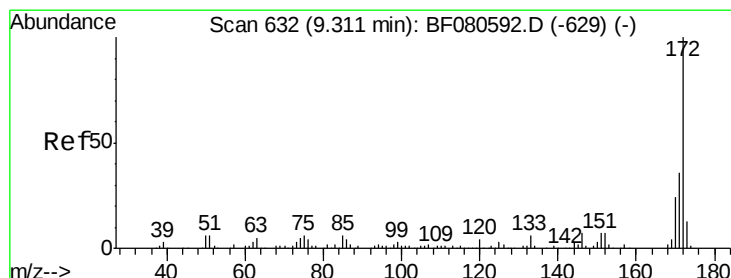
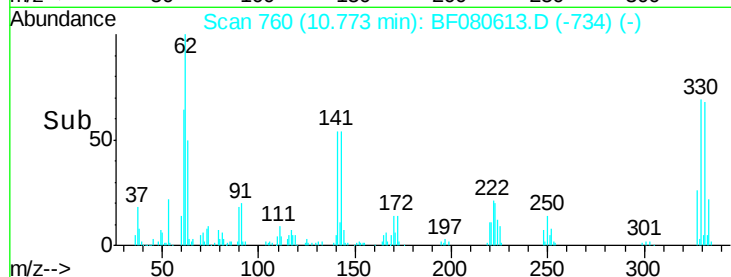
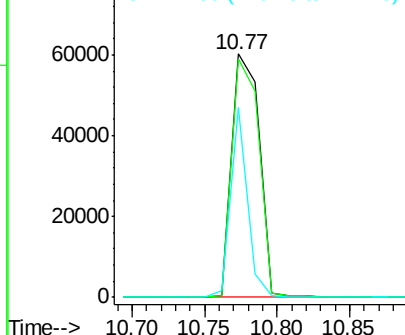
#41  
 2,4,6-Tribromophenol  
 Concen: 154.42 ng  
 RT: 10.77 min Scan# 760  
 Delta R.T. 0.00 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:330 Resp: 79464  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 78.3 117.5  
 141 47.5 37.9 56.9

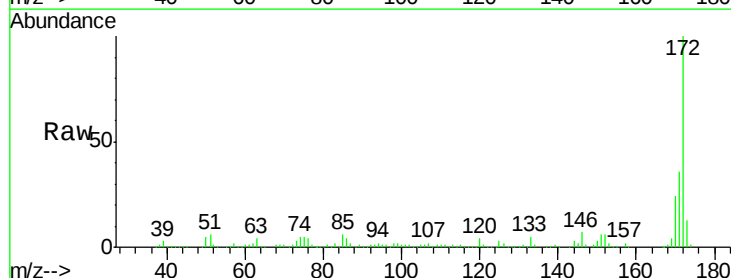


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

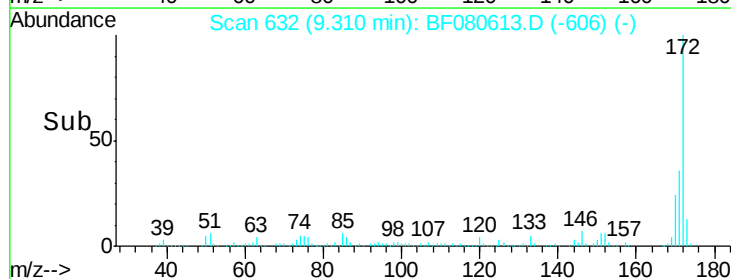
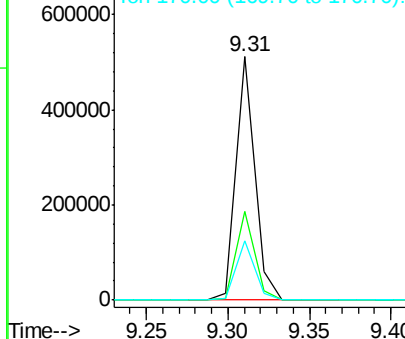


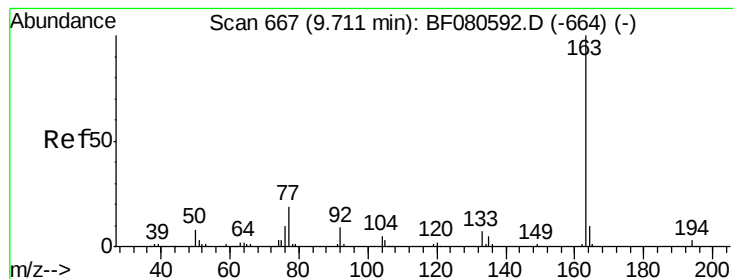
#44  
 2-Fluorobiphenyl  
 Concen: 89.90 ng  
 RT: 9.31 min Scan# 632  
 Delta R.T. 0.00 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Tgt Ion:172 Resp: 402366  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 27.7 41.5  
 170 24.3 19.1 28.7



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: 7.19 ng

RT: 9.71 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA\_F

ClientSampleId :

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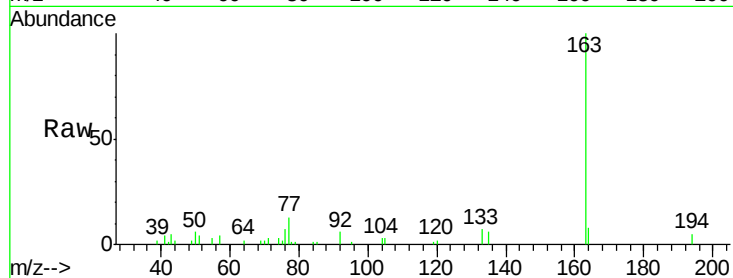
Tgt Ion:163 Resp: 34372

Ion Ratio Lower Upper

163 100

194 4.6 2.5 3.7#

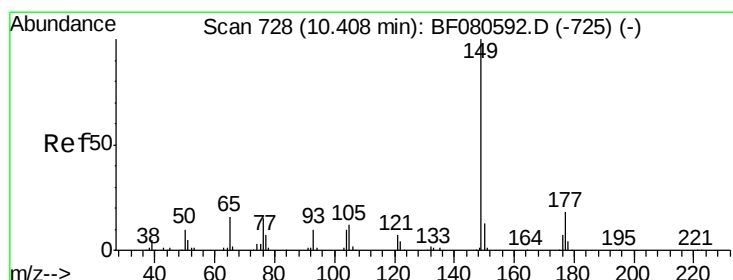
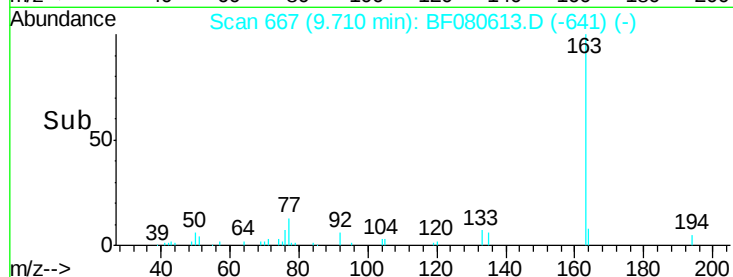
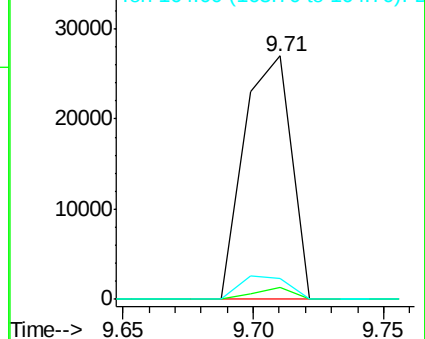
164 8.3 8.1 12.1



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



#59

Diethylphthalate

Concen: 3.27 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

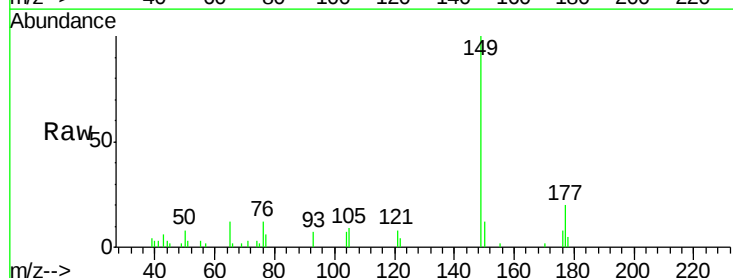
Tgt Ion:149 Resp: 14584

Ion Ratio Lower Upper

149 100

177 20.2 14.9 22.3

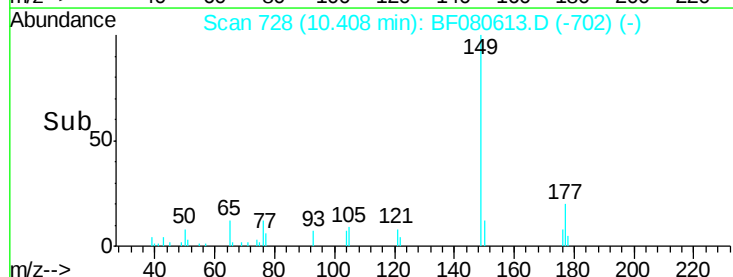
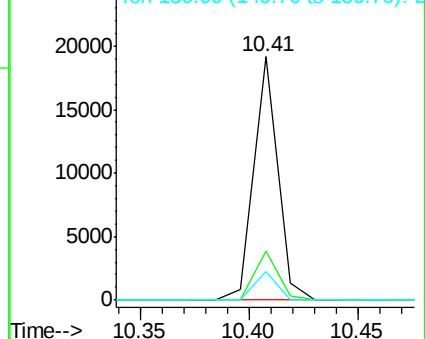
150 11.7 10.0 15.0

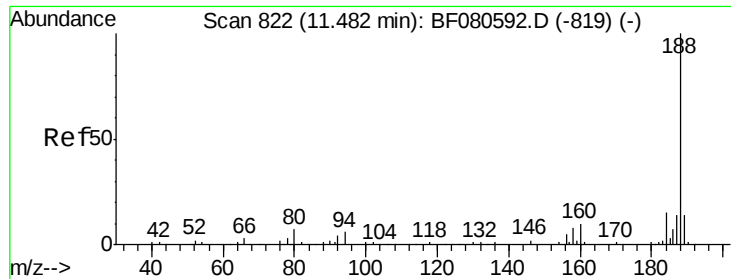


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

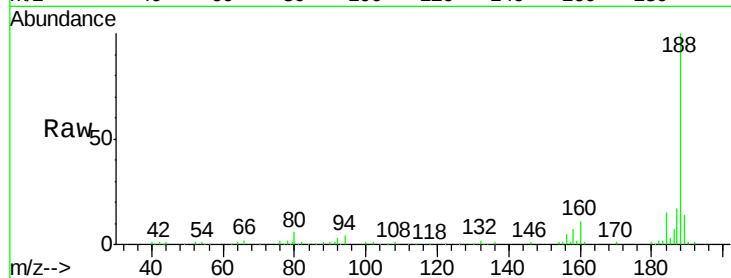




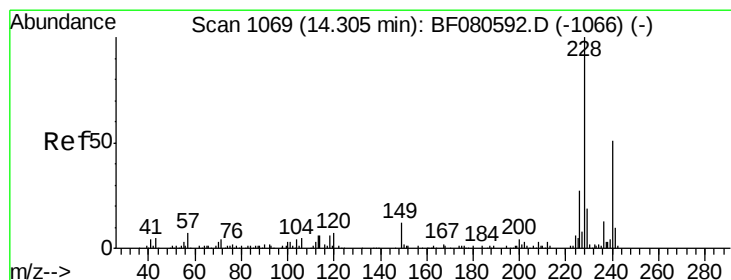
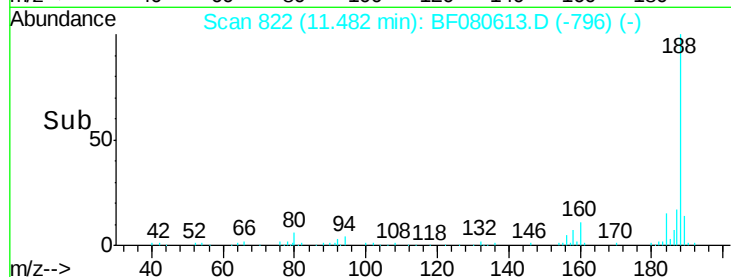
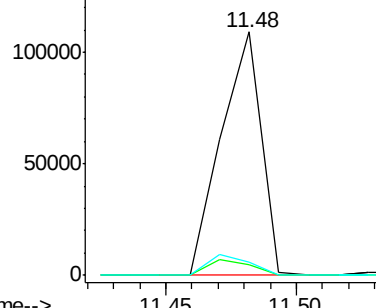
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 822  
Delta R.T. 0.00 min  
Lab File: BF080613.D  
Acq: 24 Jul 2015 2:01

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:188 Resp: 117694  
Ion Ratio Lower Upper  
188 100  
94 4.5 6.1 9.1#  
80 5.5 7.0 10.6#

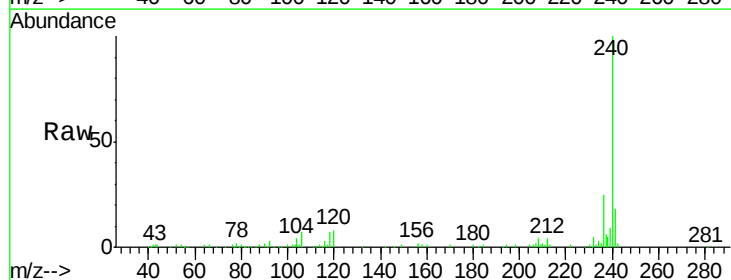


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

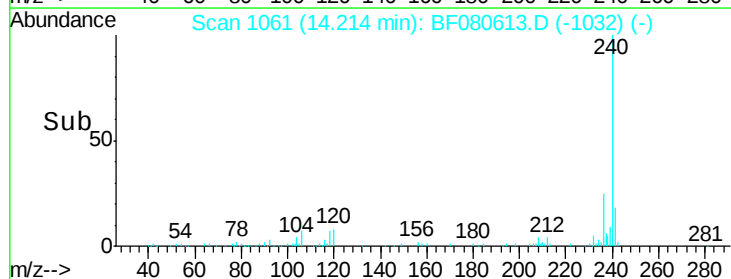
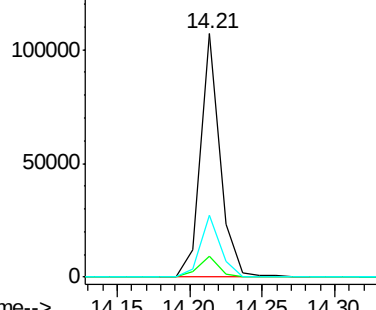


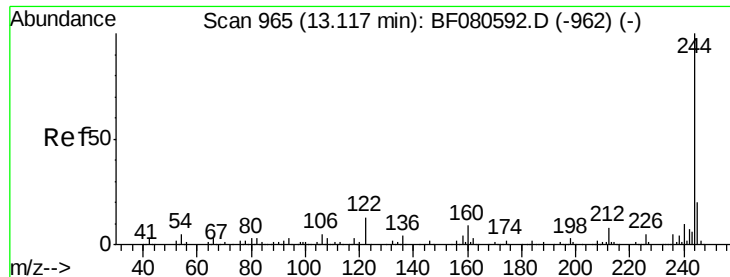
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.21 min Scan# 1061  
Delta R.T. 0.03 min  
Lab File: BF080613.D  
Acq: 24 Jul 2015 2:01

Tgt Ion:240 Resp: 99960  
Ion Ratio Lower Upper  
240 100  
120 8.4 9.9 14.9#  
236 25.2 19.1 28.7



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

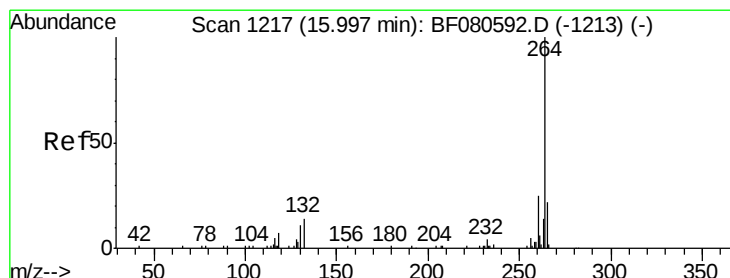
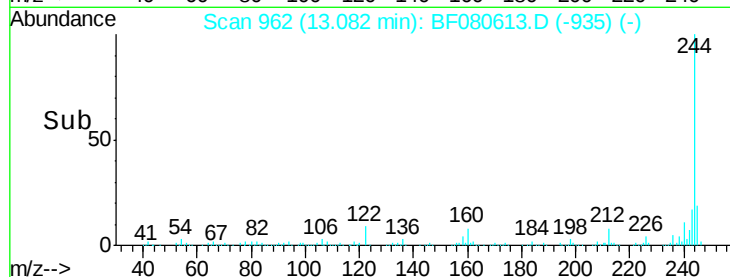
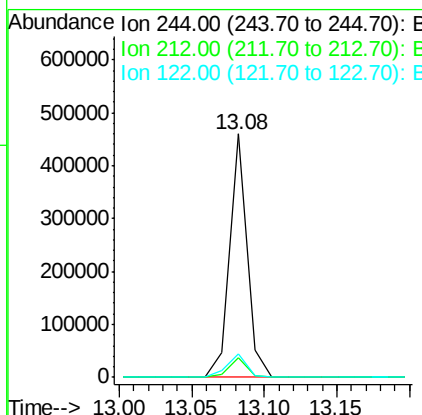
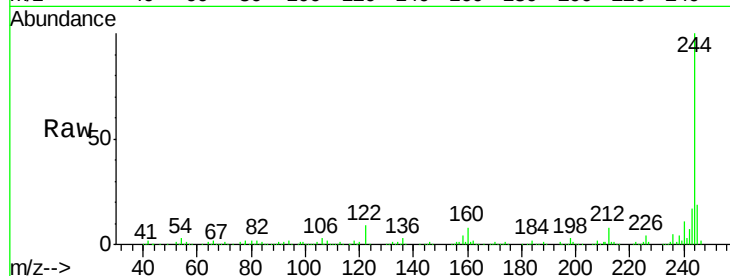




#78  
 Terphenyl-d14  
 Concen: 80.36 ng  
 RT: 13.08 min Scan# 962  
 Delta R.T. 0.01 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WESTWALL3-72215

Tgt Ion:244 Resp: 383865  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.0 9.0  
 122 9.4 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.83 min Scan# 1202  
 Delta R.T. 0.08 min  
 Lab File: BF080613.D  
 Acq: 24 Jul 2015 2:01

Tgt Ion:264 Resp: 73154  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 17.8 26.8  
 265 19.3 15.6 23.4

