

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050815\  
 Data File : BF079081.D  
 Acq On : 9 May 2015 13:45  
 Operator : TP/IZ  
 Sample : G2151-16  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU021-SB-09-7.0

Quant Time: May 11 01:02:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 00:37:37 2015  
 Response via : Initial Calibration

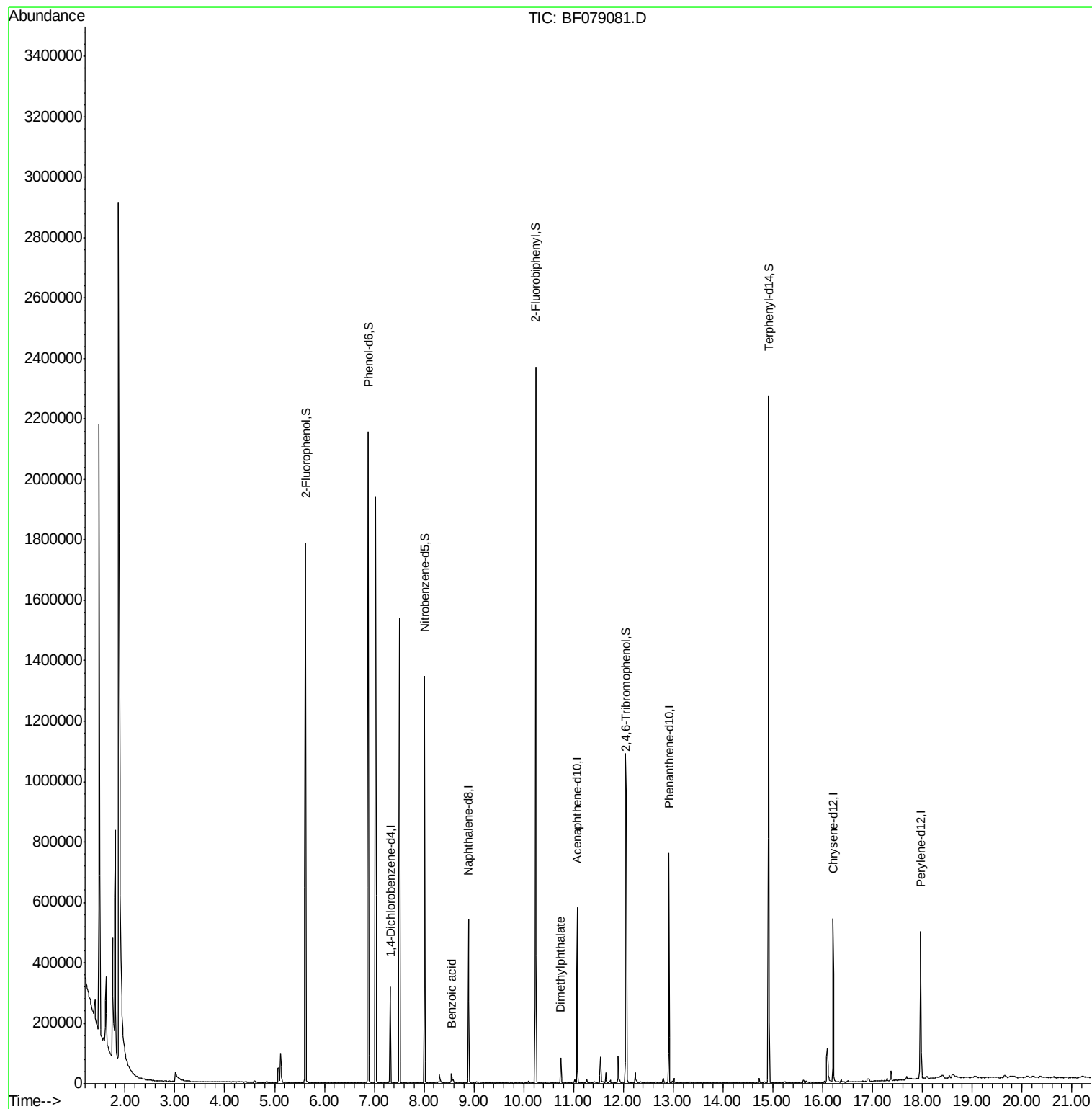
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.32  | 152  | 68420    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.89  | 136  | 282618   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 11.07 | 164  | 138943   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.91 | 188  | 279232   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.21 | 240  | 249785   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 17.97 | 264  | 242533   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 539048   | 135.62 | ng    | 0.00     |
| 7) Phenol-d6                | 6.88  | 99   | 747140   | 142.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.01  | 82   | 412989   | 83.98  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.06 | 330  | 202320   | 134.60 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.24 | 172  | 719480   | 72.14  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.91 | 244  | 789705   | 75.69  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 8.55  | 122  | 11158    | 10.14  | ng    | 96       |
| 49) Dimethylphthalate       | 10.74 | 163  | 34214    | 3.36   | ng    | 98       |

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

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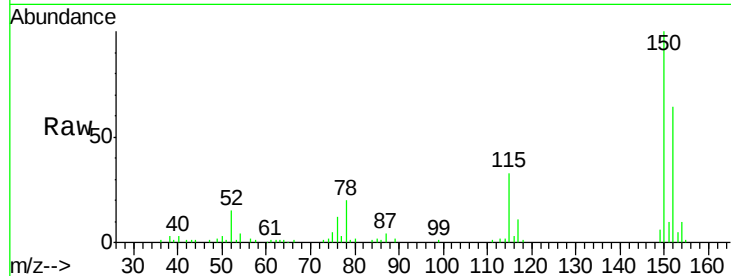




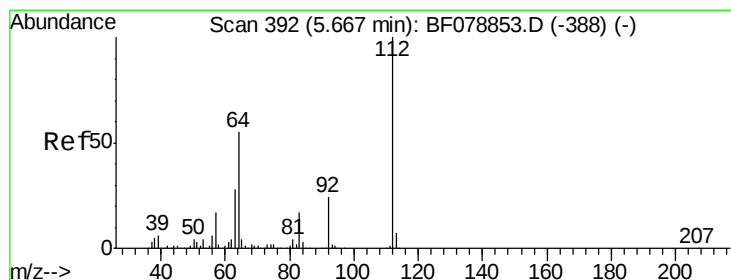
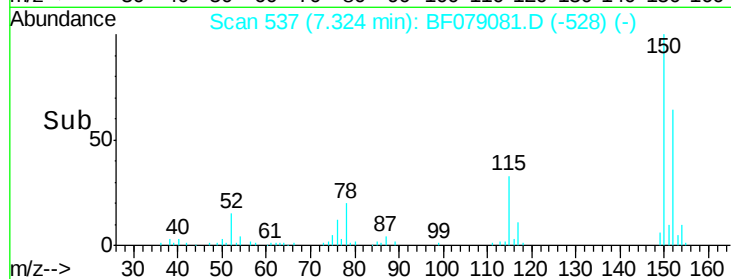
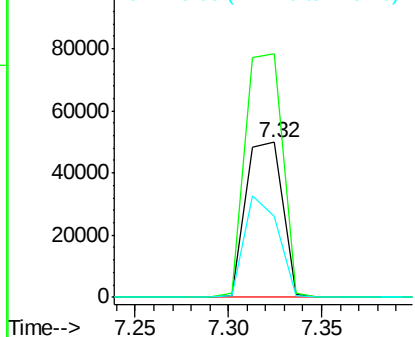
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.32 min Scan# 537  
 Delta R.T. -0.00 min  
 Lab File: BF079081.D  
 Acq: 9 May 2015 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU021-SB-09-7.0

Tgt Ion:152 Resp: 68420  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 122.0 183.0  
 115 52.2 46.3 69.5

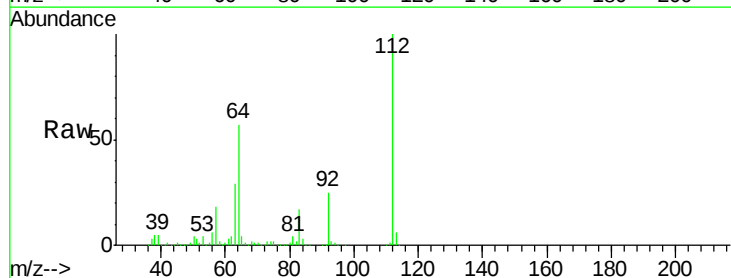


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

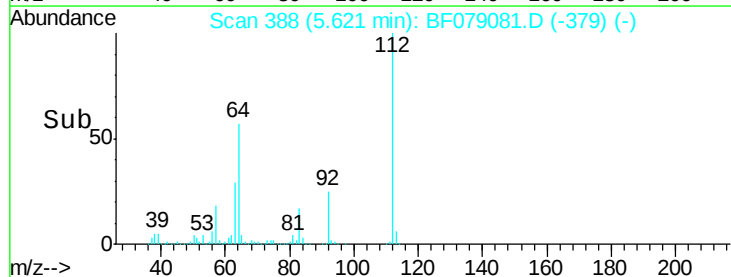
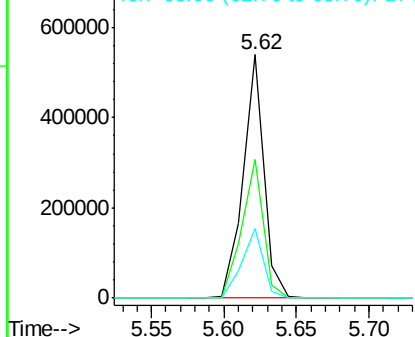


#5  
 2-Fluorophenol  
 Concen: 135.62 ng  
 RT: 5.62 min Scan# 388  
 Delta R.T. -0.00 min  
 Lab File: BF079081.D  
 Acq: 9 May 2015 13:45

Tgt Ion:112 Resp: 539048  
 Ion Ratio Lower Upper  
 112 100  
 64 56.9 53.5 80.3  
 63 28.6 27.5 41.3



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: 142.21 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079081.D

Acq: 9 May 2015 13:45

Instrument :

BNA\_F

ClientSampleId :

TU021-SB-09-7.0

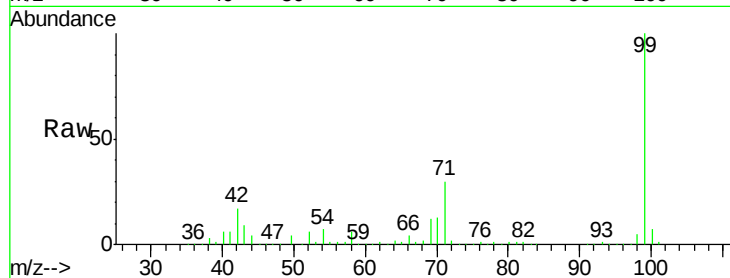
Tgt Ion: 99 Resp: 747140

Ion Ratio Lower Upper

99 100

42 16.9 12.8 19.2

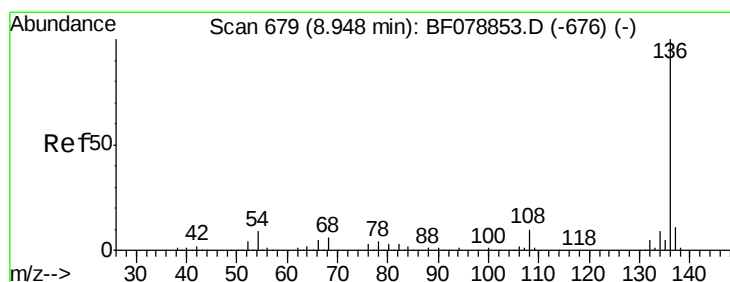
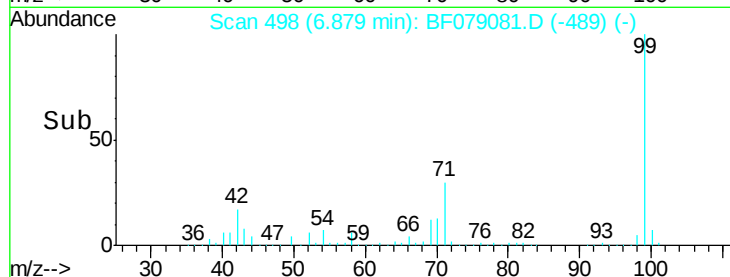
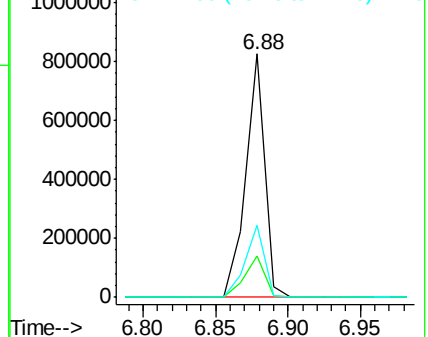
71 29.6 23.4 35.2



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: 8.89 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF079081.D

Acq: 9 May 2015 13:45

Tgt Ion: 136 Resp: 282618

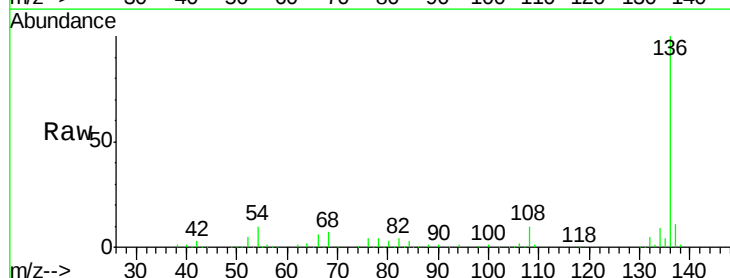
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.7 5.8 8.8#

68 7.4 4.2 6.4#

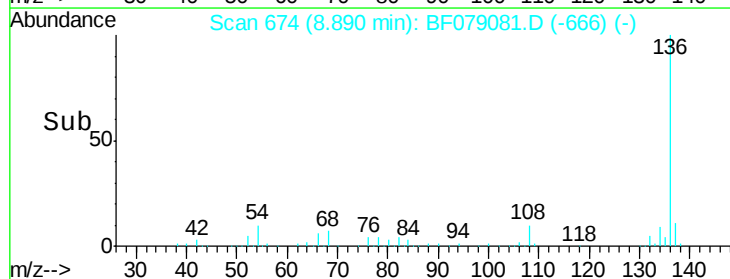
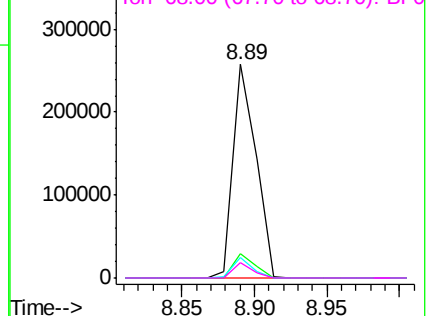


Abundance Ion 136.00 (135.70 to 136.70): E

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

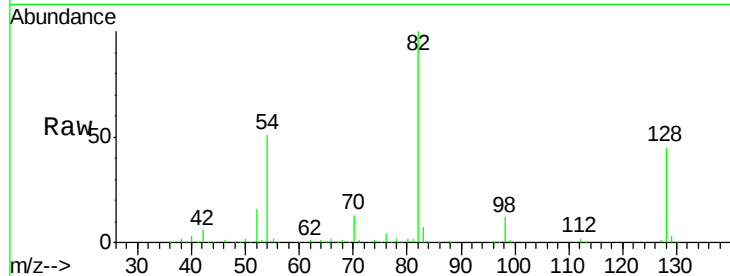




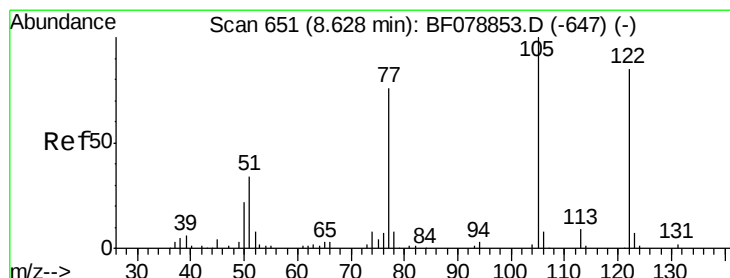
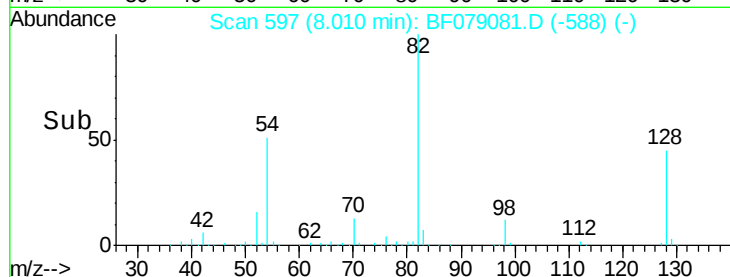
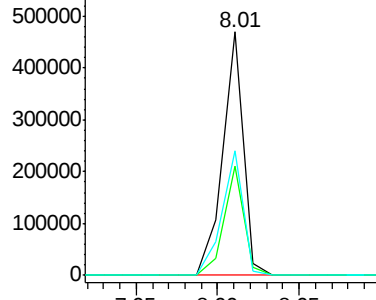
#23  
 Nitrobenzene-d5  
 Concen: 83.98 ng  
 RT: 8.01 min Scan# 597  
 Delta R.T. -0.00 min  
 Lab File: BF079081.D  
 Acq: 9 May 2015 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU021-SB-09-7.0

Tgt Ion: 82 Resp: 412989  
 Ion Ratio Lower Upper  
 82 100  
 128 44.8 30.0 45.0  
 54 51.3 46.4 69.6

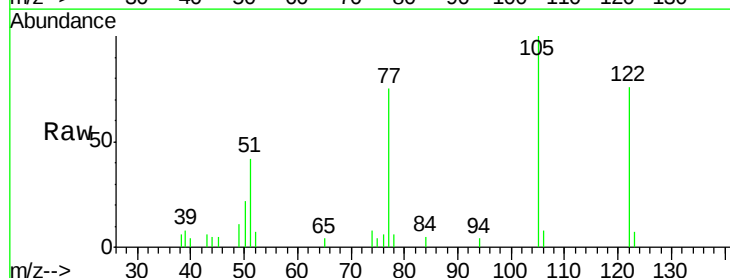


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

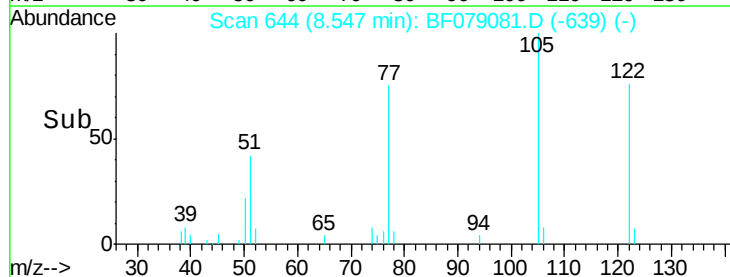
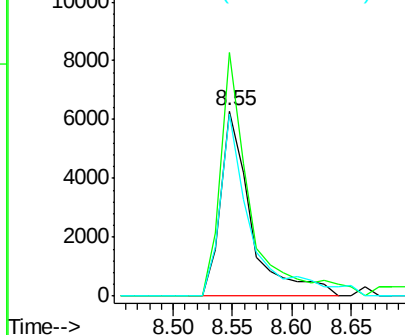


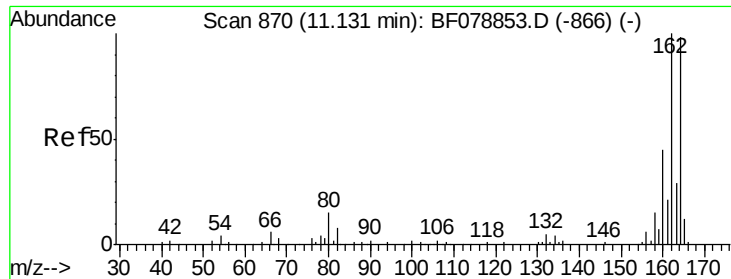
#32  
 Benzoic acid  
 Concen: 10.14 ng  
 RT: 8.55 min Scan# 644  
 Delta R.T. -0.05 min  
 Lab File: BF079081.D  
 Acq: 9 May 2015 13:45

Tgt Ion: 122 Resp: 11158  
 Ion Ratio Lower Upper  
 122 100  
 105 131.7 107.1 147.1  
 77 98.7 73.9 113.9



Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 105.00 (104.70 to 105.70): E  
 Ion 77.00 (76.70 to 77.70): BF0

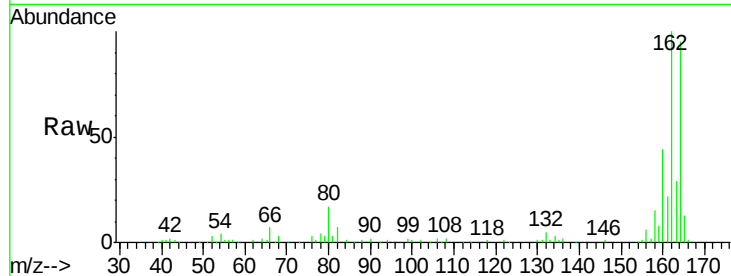




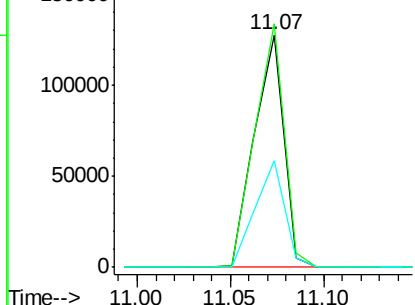
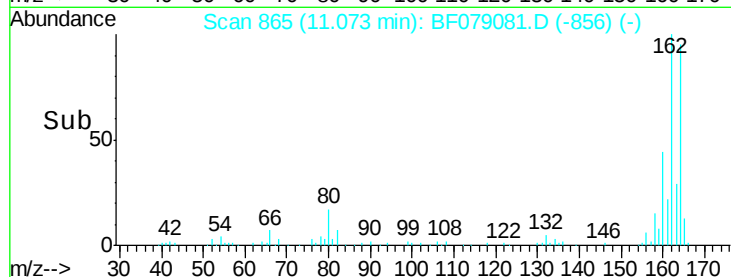
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.07 min Scan# 865  
 Delta R.T. -0.00 min  
 Lab File: BF079081.D  
 Acq: 9 May 2015 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TU021-SB-09-7.0

Tgt Ion:164 Resp: 138943  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 82.7 124.1  
 160 45.9 35.8 53.8

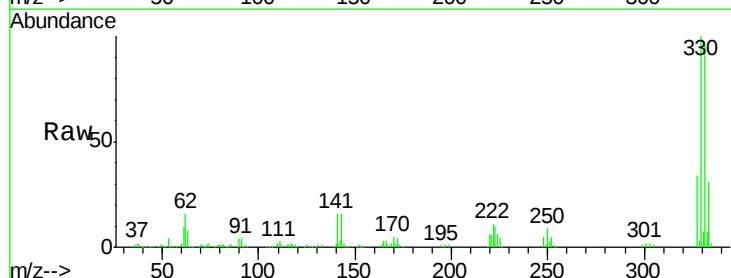


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

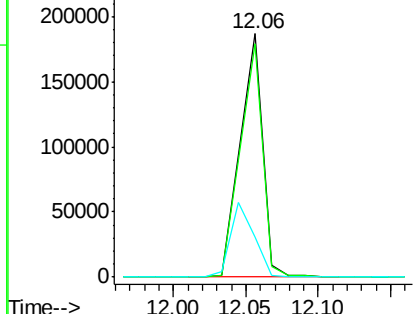
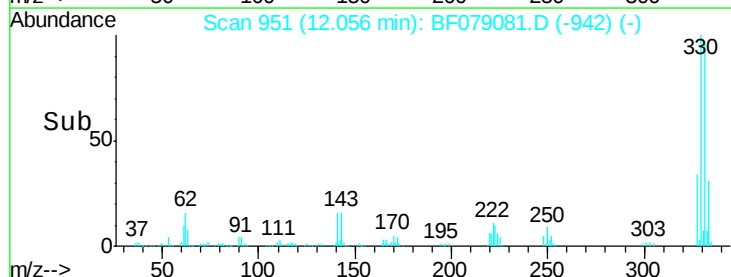


#41  
 2,4,6-Tribromophenol  
 Concen: 134.60 ng  
 RT: 12.06 min Scan# 951  
 Delta R.T. -0.00 min  
 Lab File: BF079081.D  
 Acq: 9 May 2015 13:45

Tgt Ion:330 Resp: 202320  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 0.0 0.0#  
 141 31.8 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

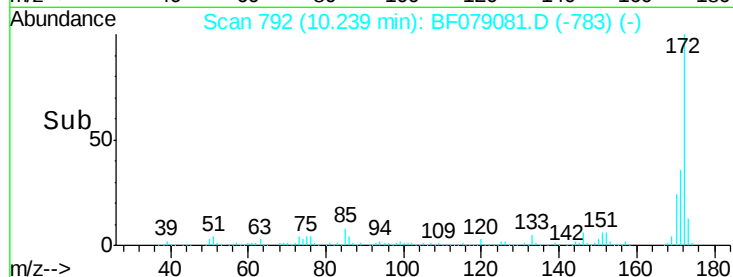
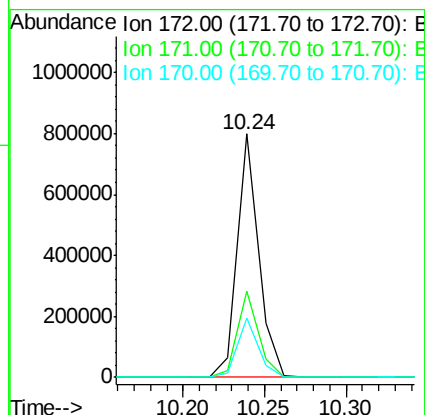
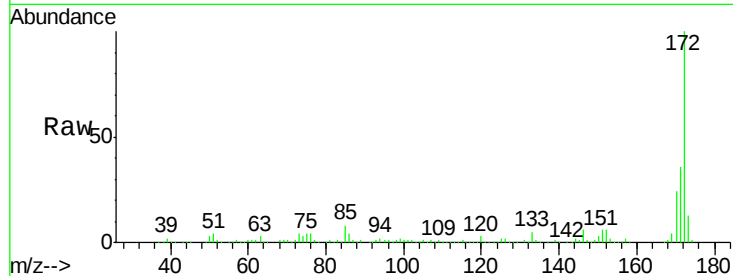




#44  
2-Fluorobiphenyl  
Concen: 72.14 ng  
RT: 10.24 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: BF079081.D  
Acq: 9 May 2015 13:45

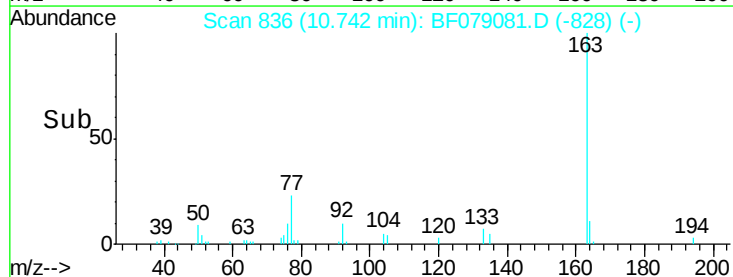
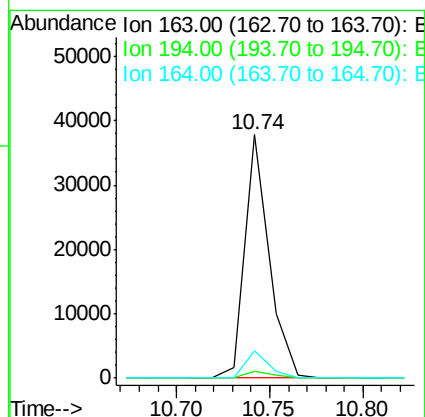
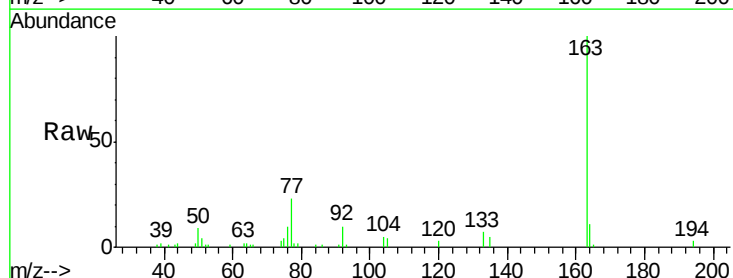
Instrument :  
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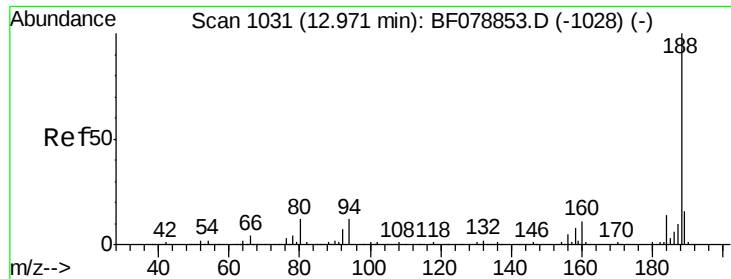
Tgt Ion:172 Resp: 719480  
Ion Ratio Lower Upper  
172 100  
171 35.7 27.9 41.9  
170 24.4 19.4 29.0



#49  
Dimethylphthalate  
Concen: 3.36 ng  
RT: 10.74 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BF079081.D  
Acq: 9 May 2015 13:45

Tgt Ion:163 Resp: 34214  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.6 4.0  
164 11.2 8.1 12.1

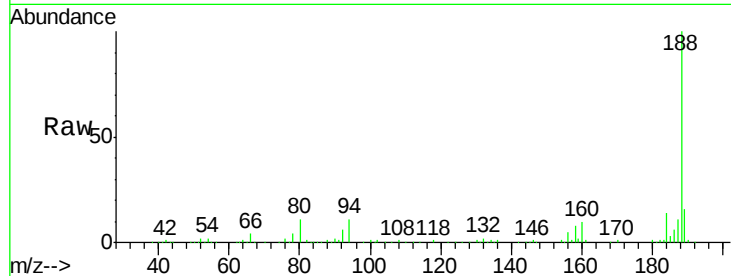




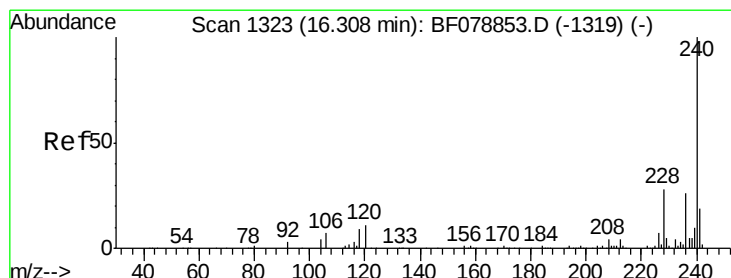
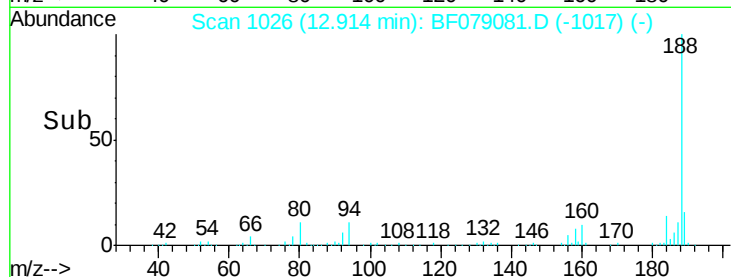
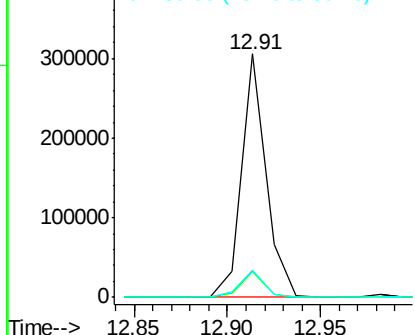
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.91 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BF079081.D  
Acq: 9 May 2015 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
TU021-SB-09-7.0

Tgt Ion:188 Resp: 279232  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.2 12.2  
80 11.4 8.9 13.3

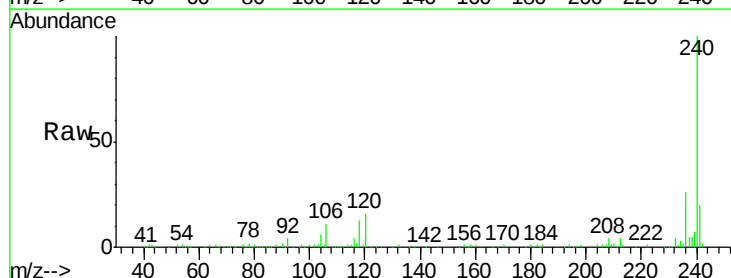


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

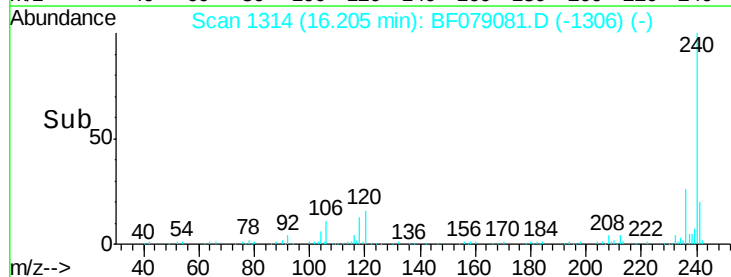
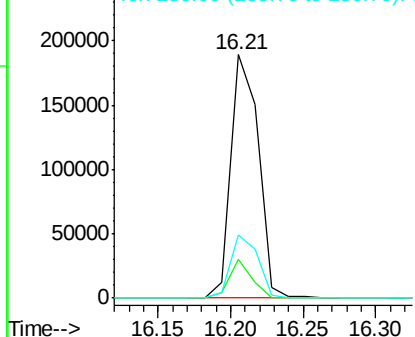


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.21 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: BF079081.D  
Acq: 9 May 2015 13:45

Tgt Ion:240 Resp: 249785  
Ion Ratio Lower Upper  
240 100  
120 15.8 9.7 14.5#  
236 26.0 20.2 30.4



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: 75.69 ng

RT: 14.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF079081.D

Acq: 9 May 2015 13:45

Instrument :

BNA\_F

ClientSampleId :

TU021-SB-09-7.0

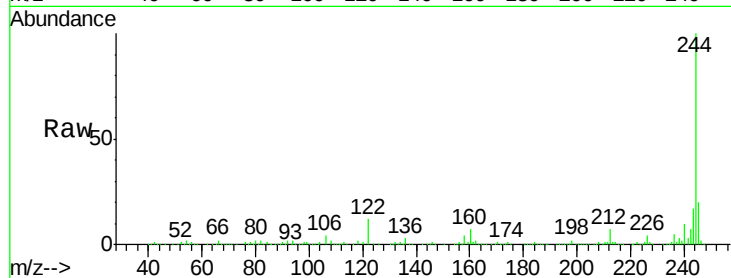
Tgt Ion:244 Resp: 789705

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

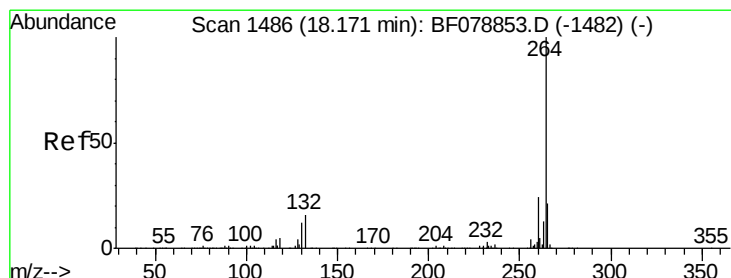
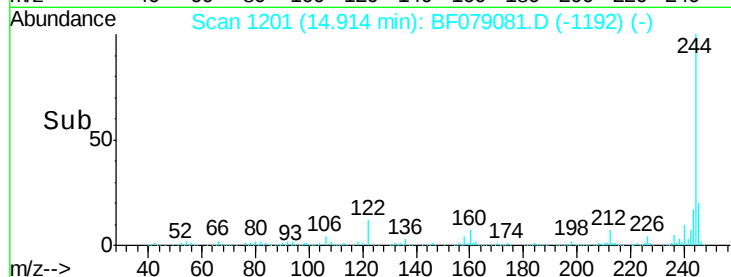
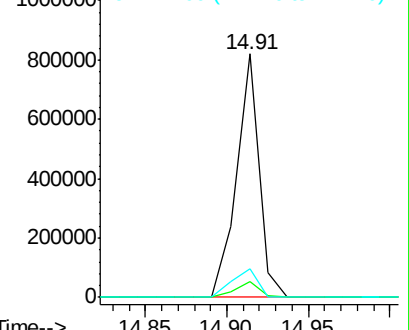
122 11.6 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 17.97 min Scan# 1468

Delta R.T. 0.03 min

Lab File: BF079081.D

Acq: 9 May 2015 13:45

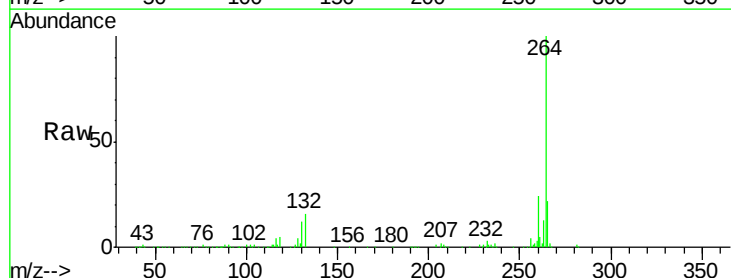
Tgt Ion:264 Resp: 242533

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.8 18.3 27.5



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

