

Data Path : Z:\HPCHEM1\BNA F\Data\BF020515\  
 Data File : BF077187.D  
 Acq On : 5 Feb 2015 16:32  
 Operator : TP/IZ  
 Sample : PB81602TB  
 Misc : W  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 06 00:24:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 06 00:12:25 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 28479    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.59 | 136  | 117069   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.71 | 164  | 61474    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.56 | 188  | 108077   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.07 | 240  | 118292   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 22.76 | 264  | 100661   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.69  | 112  | 162893   | 94.04 | ng    | 0.00     |
| 7) Phenol-d6                | 7.08  | 99   | 202539   | 92.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.99  | 82   | 117232   | 55.48 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.44 | 330  | 39780    | 79.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.24 | 172  | 250268   | 61.95 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.81 | 244  | 313922   | 61.09 | ng    | 0.00     |

Target Compounds Qvalue

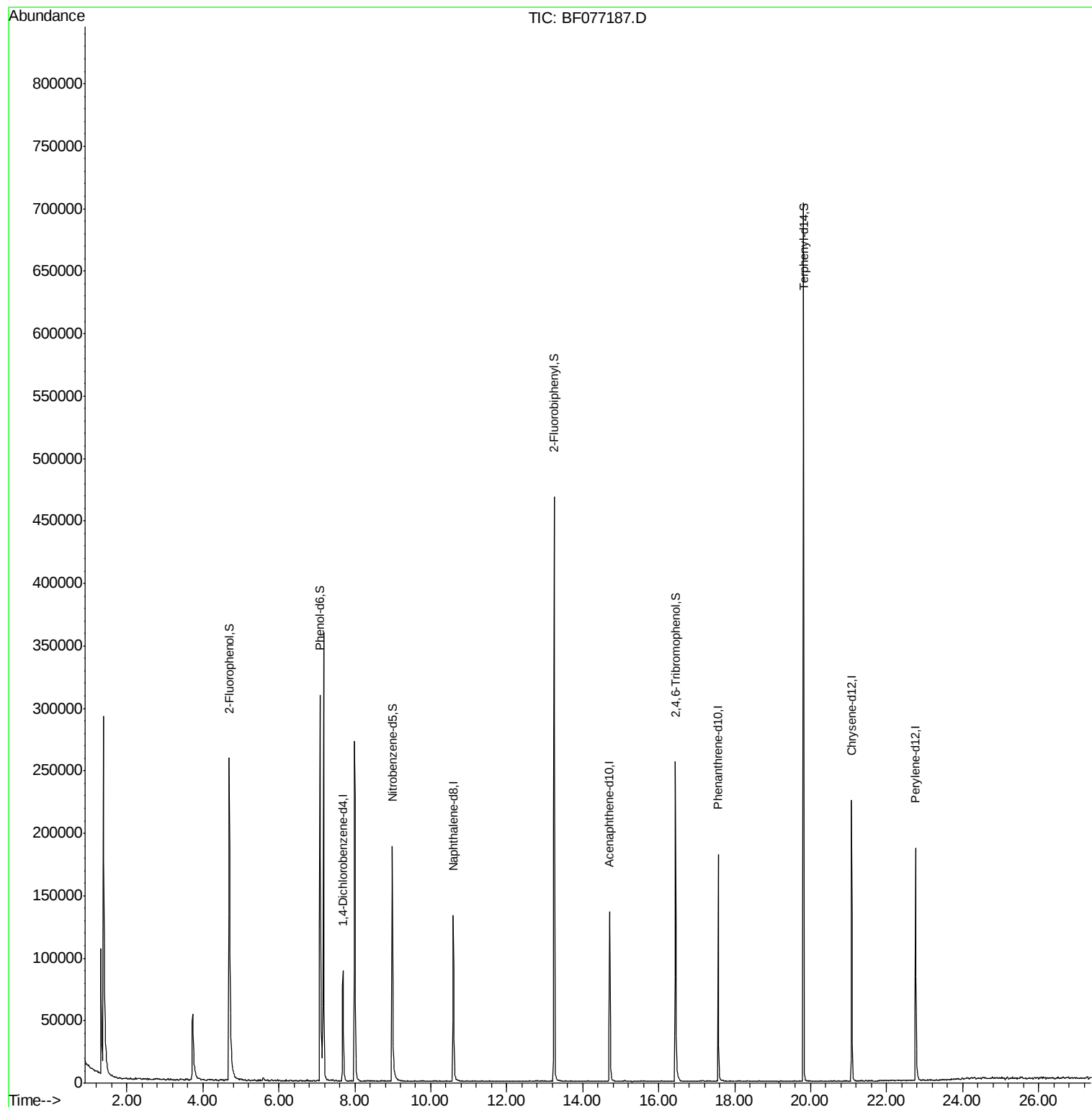
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 06 00:12:25 2015  
Response via : Initial Calibration



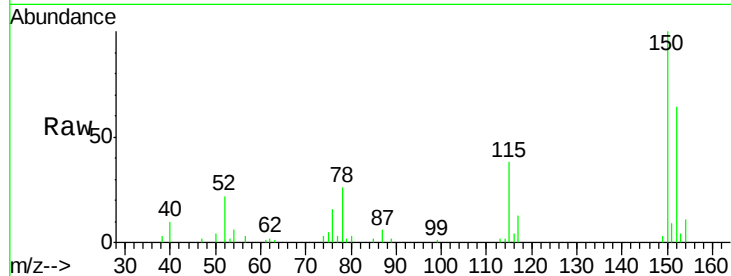


#1

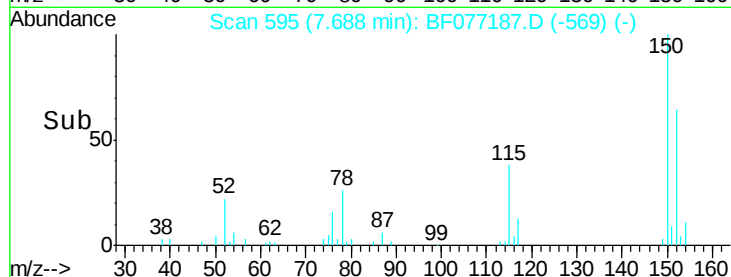
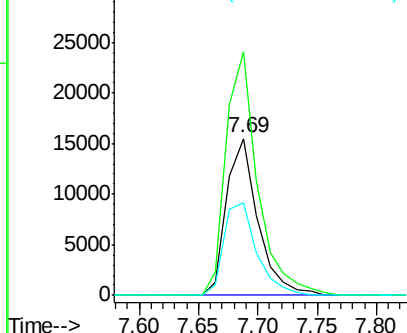
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 595  
Delta R.T. -0.00 min  
Lab File: BF077187.D  
Acq: 5 Feb 2015 16:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 28479  
Ion Ratio Lower Upper  
152 100  
150 155.5 121.7 182.5  
115 58.7 47.0 70.6



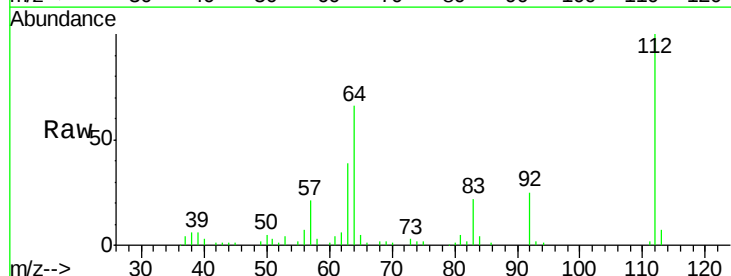
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



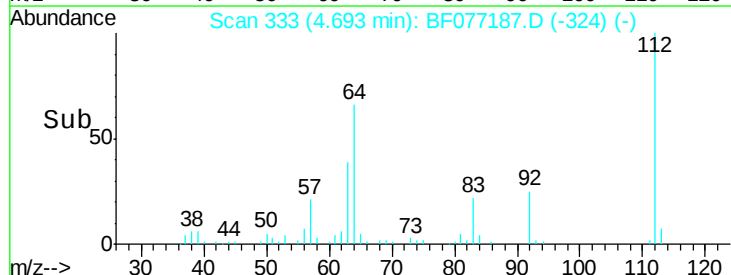
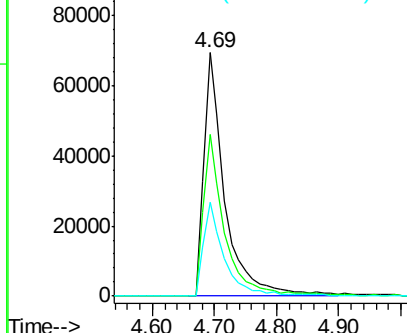
#5

2-Fluorophenol  
Concen: 94.04 ng  
RT: 4.69 min Scan# 333  
Delta R.T. -0.00 min  
Lab File: BF077187.D  
Acq: 5 Feb 2015 16:32

Tgt Ion:112 Resp: 162893  
Ion Ratio Lower Upper  
112 100  
64 66.5 54.2 81.4  
63 38.5 28.4 42.6



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: 92.69 ng

RT: 7.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF077187.D

Acq: 5 Feb 2015 16:32

Instrument :

BNA\_F

ClientSampled :

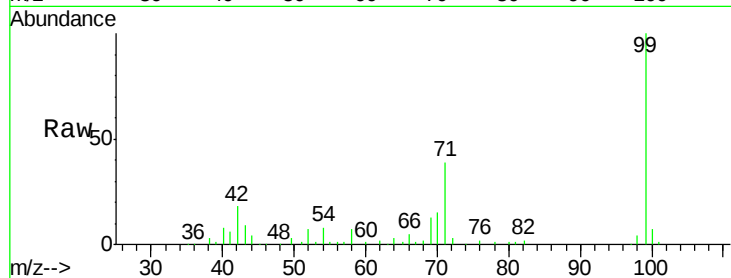
Tot Ion: 99 Resp: 202539

Ion Ratio Lower Upper

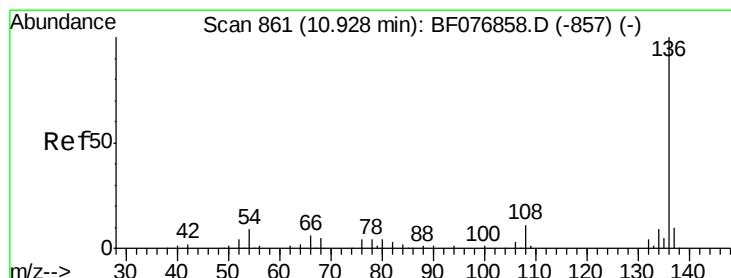
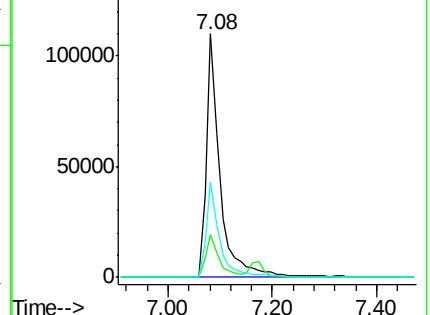
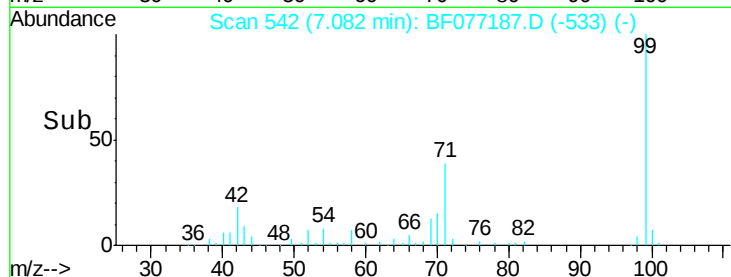
99 100

42 17.7 15.0 22.4

71 39.3 30.5 45.7



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: 10.59 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF077187.D

Acq: 5 Feb 2015 16:32

Tgt Ion: 136 Resp: 117069

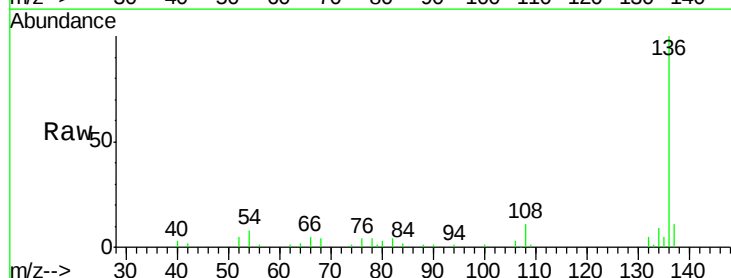
Ion Ratio Lower Upper

136 100

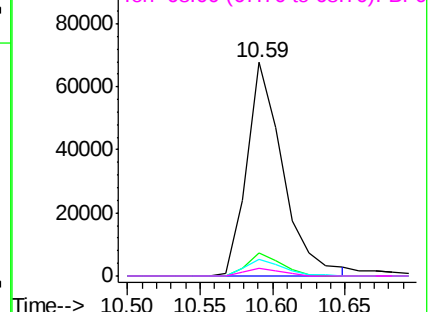
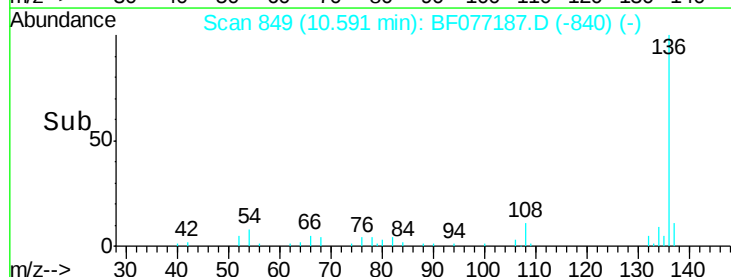
137 10.6 8.1 12.1

54 8.1 7.0 10.4

68 3.8 3.7 5.5



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: 55.48 ng

RT: 8.99 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF077187.D

Acq: 5 Feb 2015 16:32

Instrument :

BNA\_F

ClientSampled :

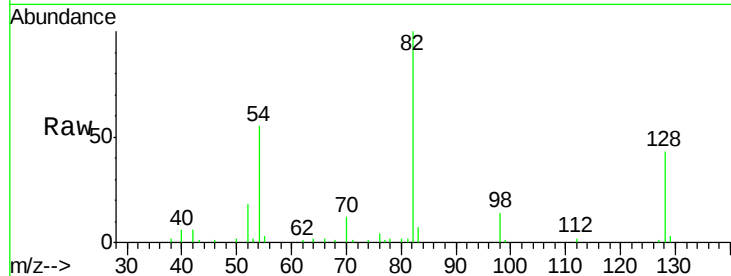
Tot Ion: 82 Resp: 117232

Ion Ratio Lower Upper

82 100

128 42.5 33.1 49.7

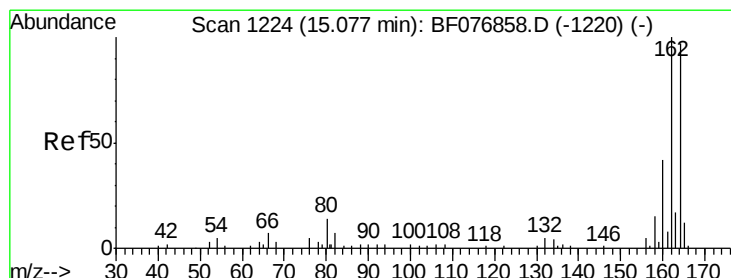
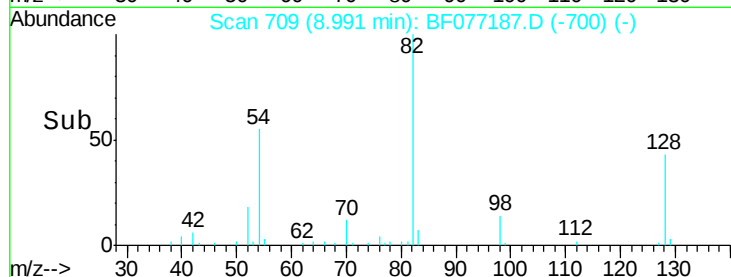
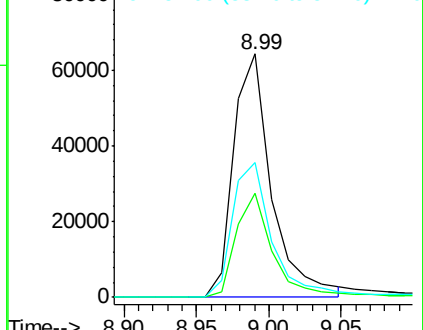
54 55.5 48.3 72.5



Abundance Ion 82.00 (81.70 to 82.70): BF076858.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BF076858.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BF076858.D (-716) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF077187.D

Acq: 5 Feb 2015 16:32

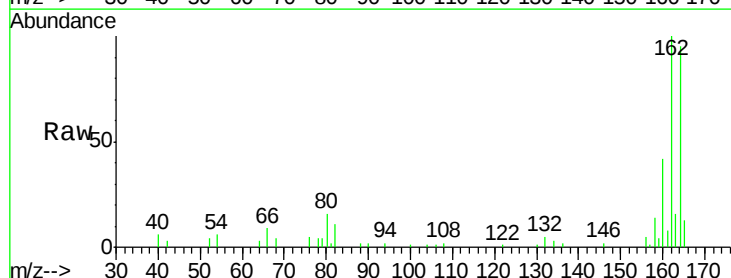
Tgt Ion: 164 Resp: 61474

Ion Ratio Lower Upper

164 100

162 105.5 82.4 123.6

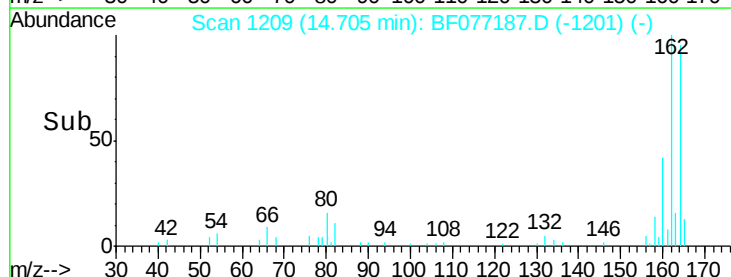
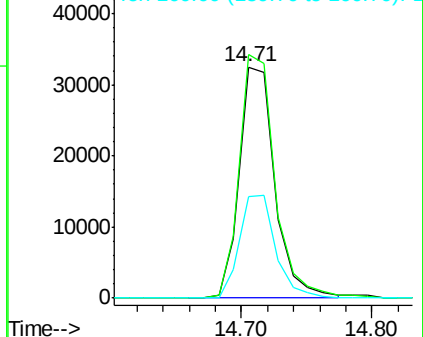
160 44.0 34.8 52.2



Abundance Ion 164.00 (163.70 to 164.70): BF076858.D (-1220) (-)

Ion 162.00 (161.70 to 162.70): BF076858.D (-1220) (-)

Ion 160.00 (159.70 to 160.70): BF076858.D (-1220) (-)

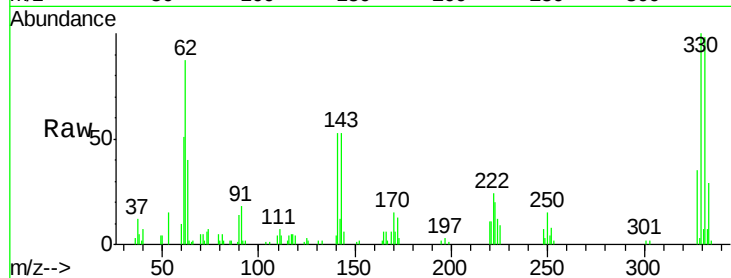




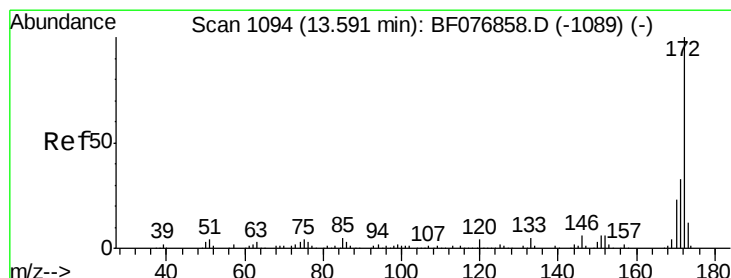
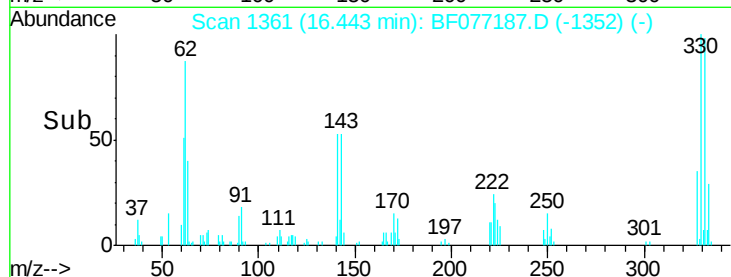
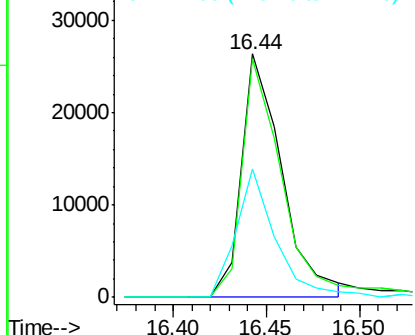
#41  
 2,4,6-Tribromophenol  
 Concen: 79.72 ng  
 RT: 16.44 min Scan# 1361  
 Delta R.T. -0.00 min  
 Lab File: BF077187.D  
 Acq: 5 Feb 2015 16:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 39780  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.8 116.6  
 141 51.5 38.5 57.7

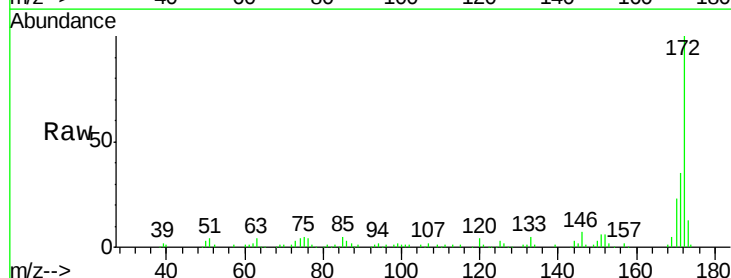


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

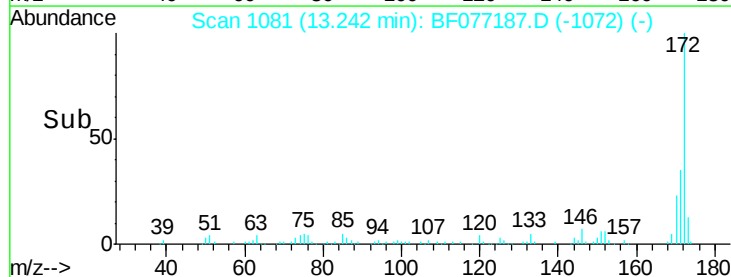
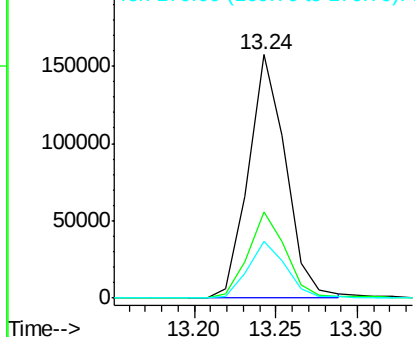


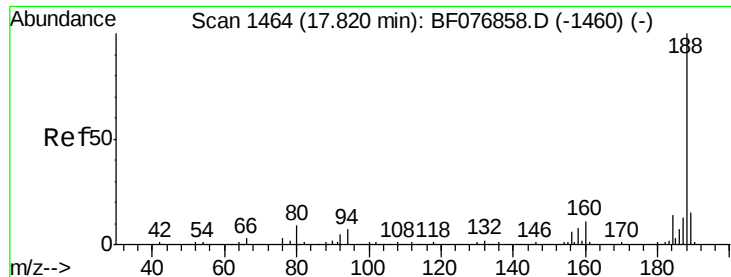
#44  
 2-Fluorobiphenyl  
 Concen: 61.95 ng  
 RT: 13.24 min Scan# 1081  
 Delta R.T. -0.00 min  
 Lab File: BF077187.D  
 Acq: 5 Feb 2015 16:32

Tgt Ion:172 Resp: 250268  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 26.6 40.0  
 170 23.3 18.0 27.0



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

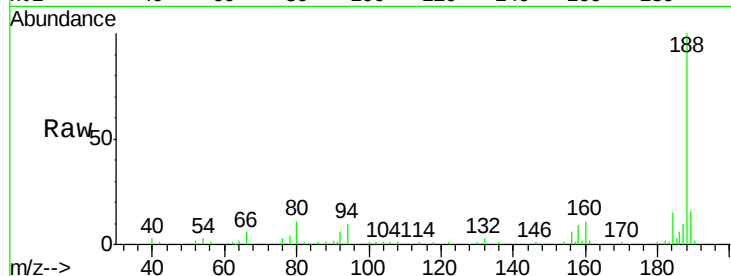




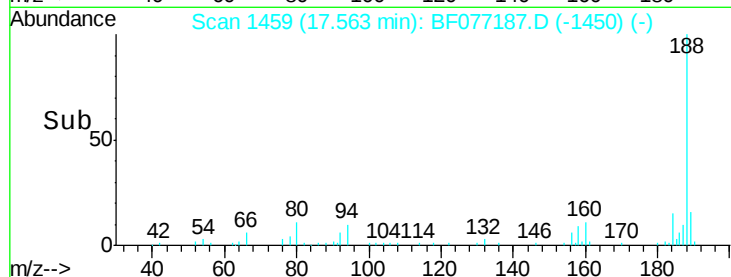
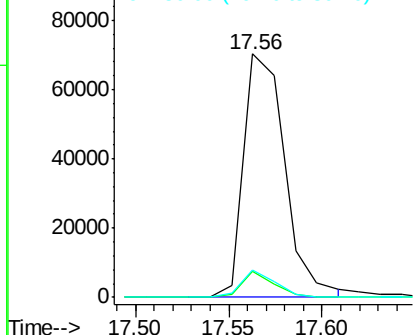
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 1459  
Delta R.T. -0.00 min  
Lab File: BF077187.D  
Acq: 5 Feb 2015 16:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 108077  
Ion Ratio Lower Upper  
188 100  
94 10.4 6.0 9.0#  
80 11.0 6.9 10.3#

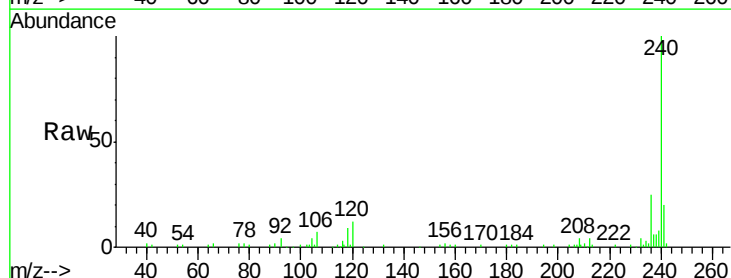


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

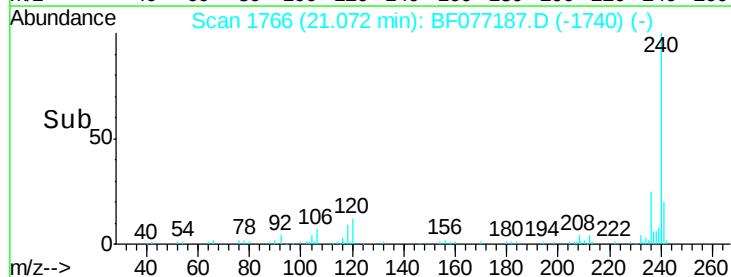
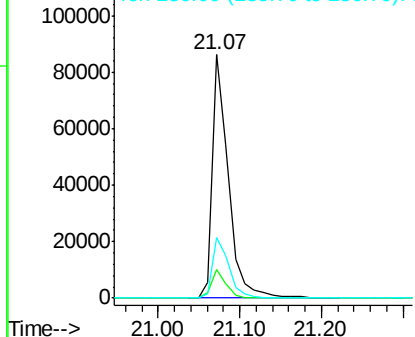


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.07 min Scan# 1766  
Delta R.T. -0.00 min  
Lab File: BF077187.D  
Acq: 5 Feb 2015 16:32

Tgt Ion:240 Resp: 118292  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.4 15.6  
236 24.9 20.2 30.2



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

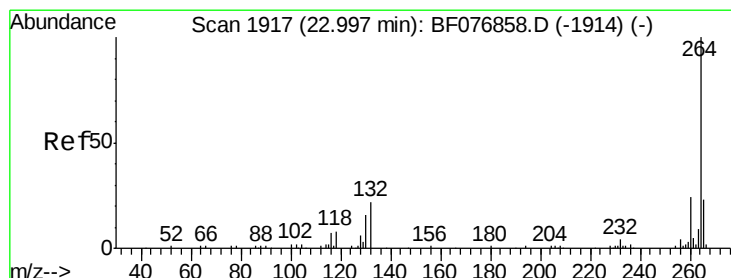
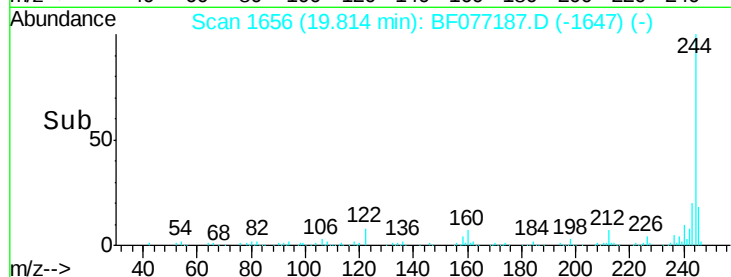
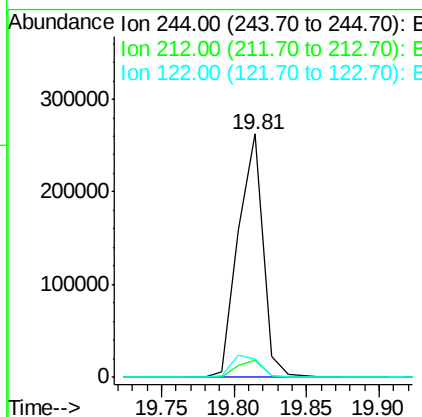
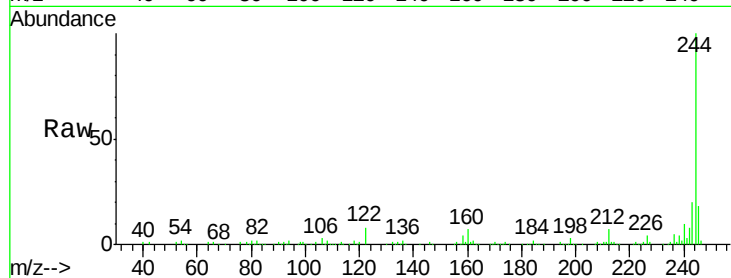




#78  
 Terphenyl-d14  
 Concen: 61.09 ng  
 RT: 19.81 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BF077187.D  
 Acq: 5 Feb 2015 16:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 313922  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.3 9.5  
 122 7.5 10.1 15.1#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.76 min Scan# 1914  
 Delta R.T. 0.01 min  
 Lab File: BF077187.D  
 Acq: 5 Feb 2015 16:32

Tgt Ion:264 Resp: 100661  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.4  
 265 21.7 18.1 27.1

