

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040915\  
 Data File : BF078387.D  
 Acq On : 10 Apr 2015 6:51  
 Operator : TP/IZ  
 Sample : G1782-20  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(1)

Quant Time: Apr 10 07:13:27 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 10 01:53:29 2015  
 Response via : Initial Calibration

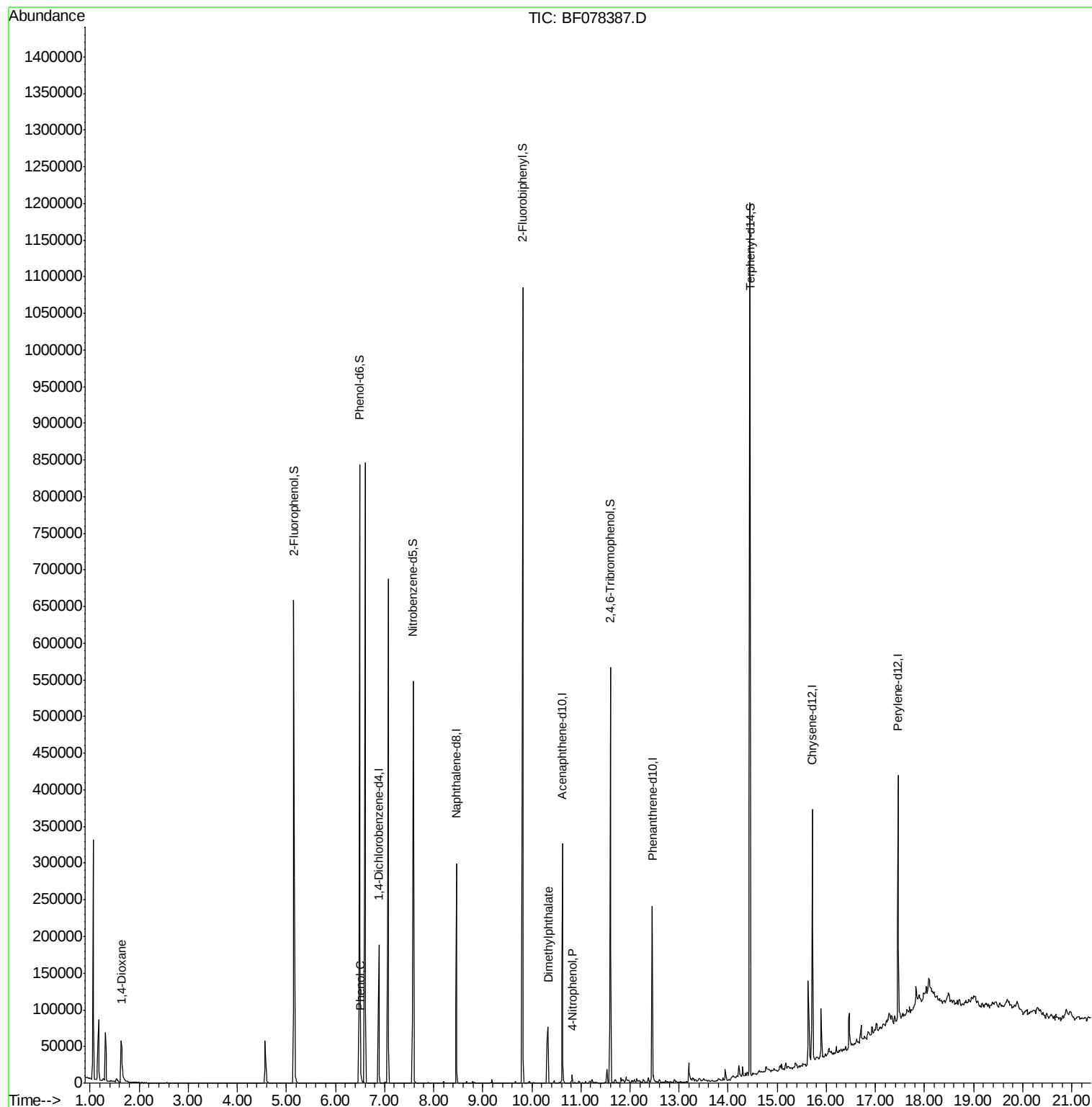
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 35999    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.46  | 136  | 149916   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.62 | 164  | 74780    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.45 | 188  | 140501   | 20.00  | ng    | 0.01     |
| 75) Chrysene-d12            | 15.71 | 240  | 146355   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.46 | 264  | 147154   | 20.00  | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.15  | 112  | 227569   | 104.23 | ng    | 0.01     |
| 7) Phenol-d6                | 6.49  | 99   | 295246   | 107.90 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.58  | 82   | 168076   | 67.96  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.60 | 330  | 70093    | 113.02 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.81  | 172  | 372572   | 71.22  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.44 | 244  | 417794   | 64.51  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 2) 1,4-Dioxane              | 1.64  | 88   | 2313     | 2.34   | ng    | # 23     |
| 10) Phenol                  | 6.51  | 94   | 6650     | 2.03   | ng    | 85       |
| 49) Dimethylphthalate       | 10.33 | 163  | 45809    | 8.15   | ng    | # 97     |
| 55) 4-Nitrophenol           | 10.82 | 139  | 231      | 3.00   | ng    | # 18     |

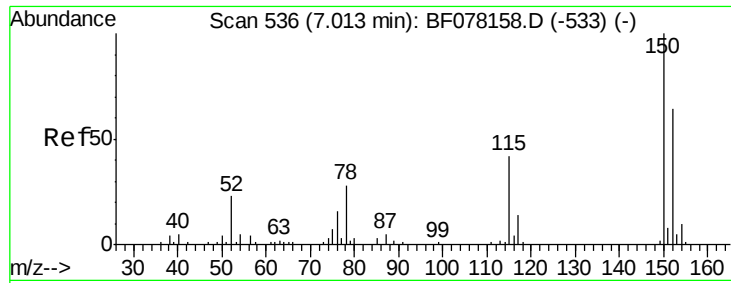
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF078387.D

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Instrument :

BNA\_F

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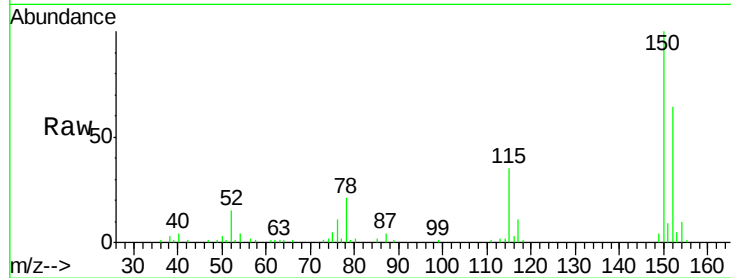
Tgt Ion:152 Resp: 35999

Ion Ratio Lower Upper

152 100

150 155.7 125.9 188.9

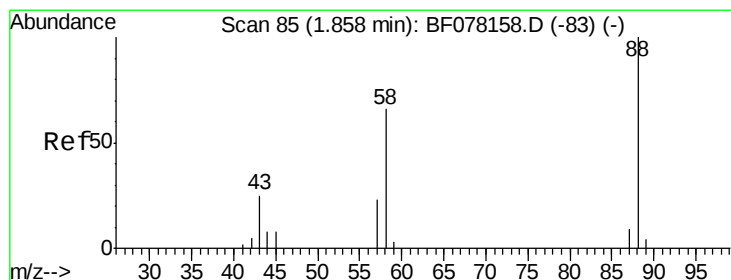
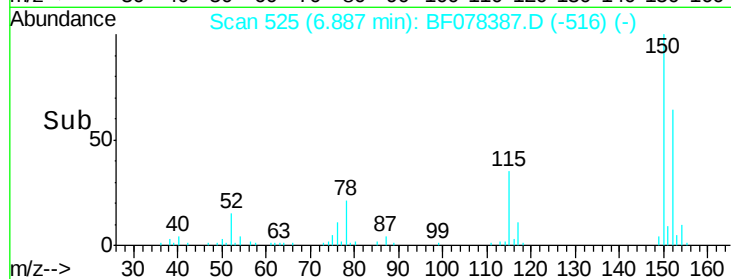
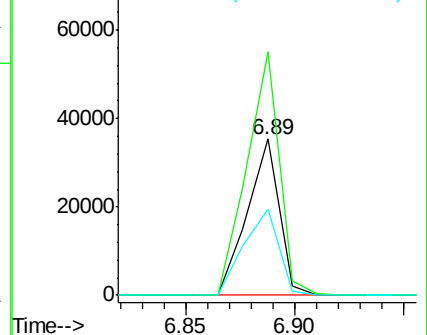
115 55.2 52.7 79.1



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



#2

1,4-Dioxane

Concen: 2.34 ng

RT: 1.64 min Scan# 66

Delta R.T. -0.05 min

Lab File: BF078387.D

Acq: 10 Apr 2015 6:51

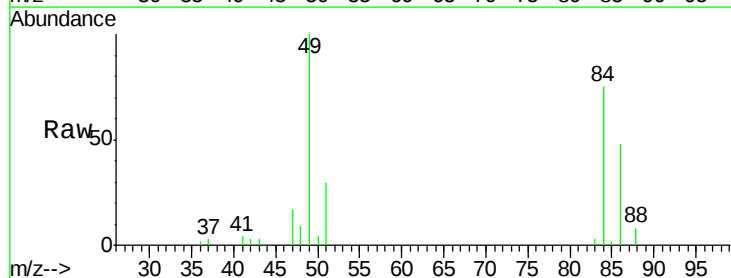
Tgt Ion: 88 Resp: 2313

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

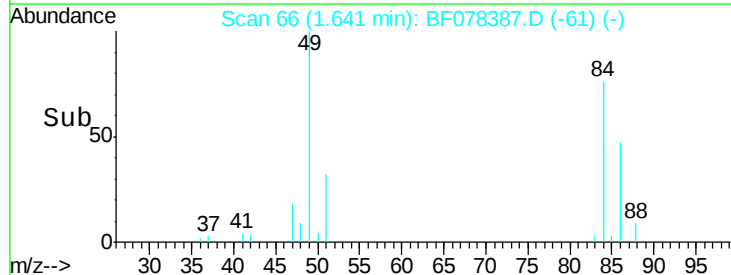
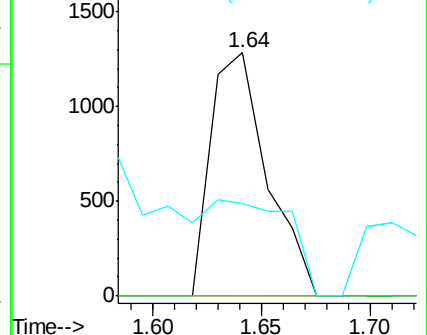
43 0.0 21.4 32.2#

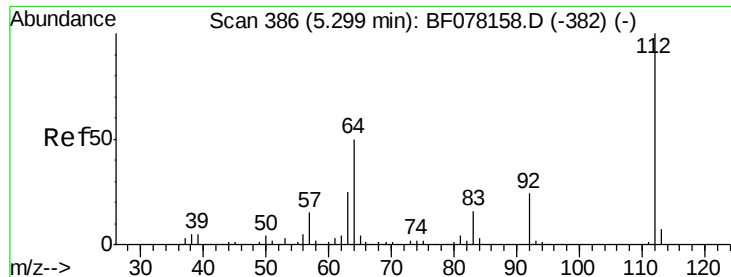


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 104.23 ng

RT: 5.15 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF078387.D

Acq: 10 Apr 2015 6:51

Instrument :

BNA\_F

ClientSampleId :

SB08(1)

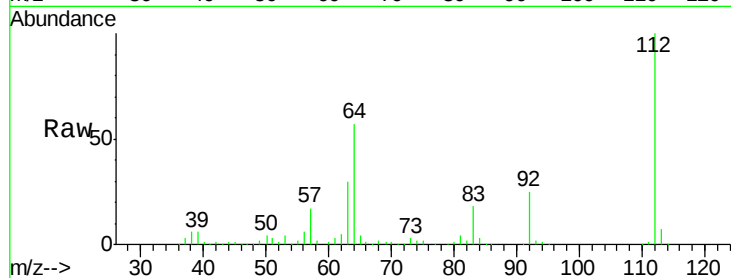
Tgt Ion: 112 Resp: 227569

Ion Ratio Lower Upper

112 100

64 57.4 39.9 59.9

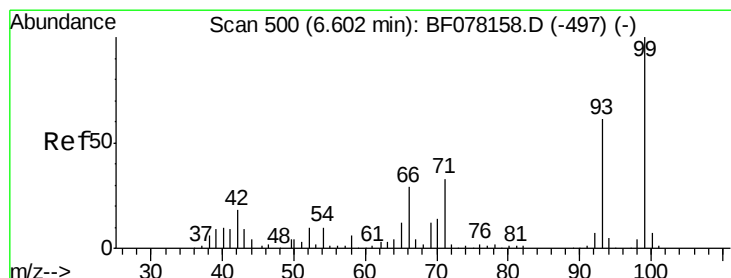
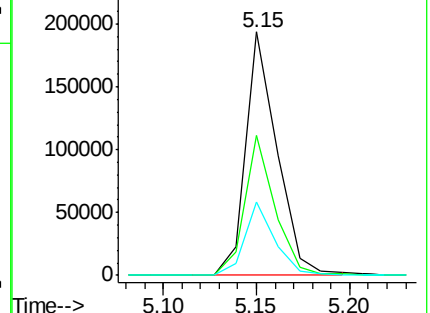
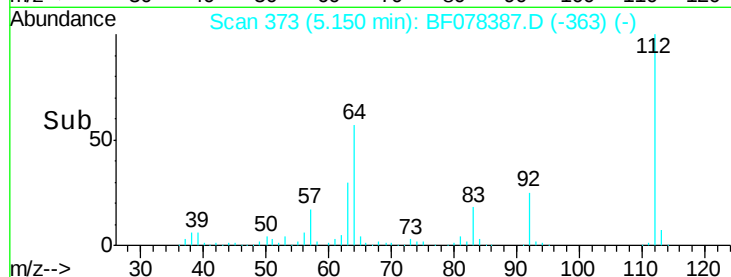
63 30.0 20.2 30.4



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: 107.90 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078387.D

Acq: 10 Apr 2015 6:51

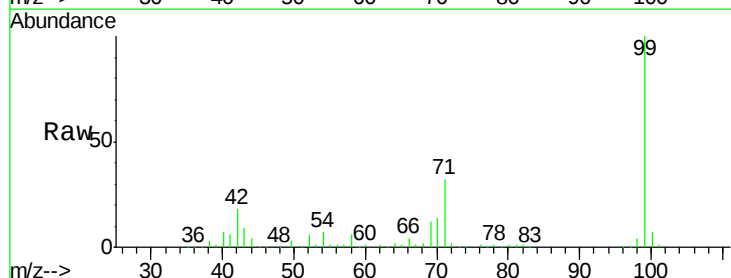
Tgt Ion: 99 Resp: 295246

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

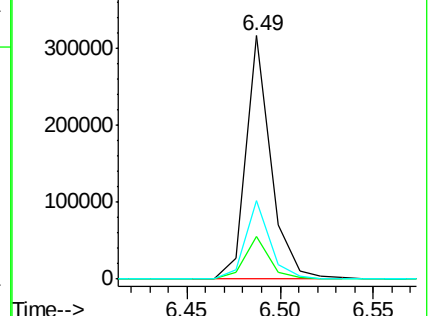
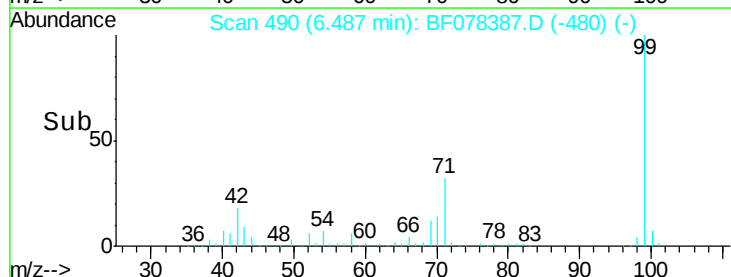
71 32.4 26.6 39.8

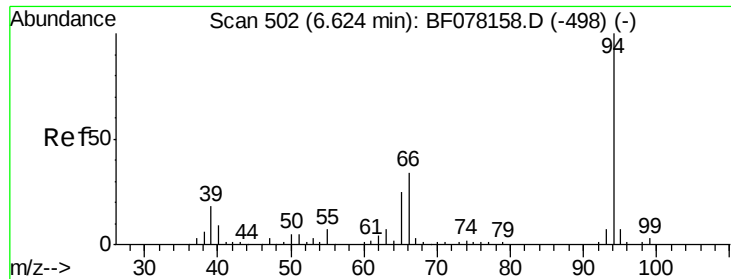


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

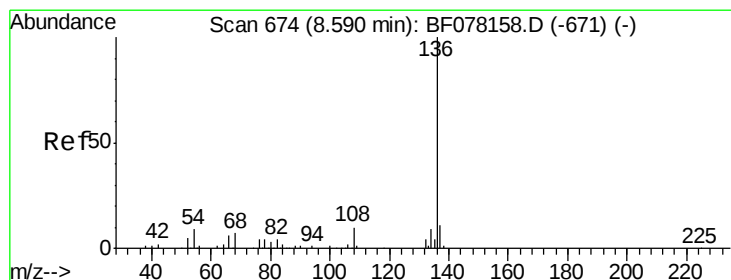
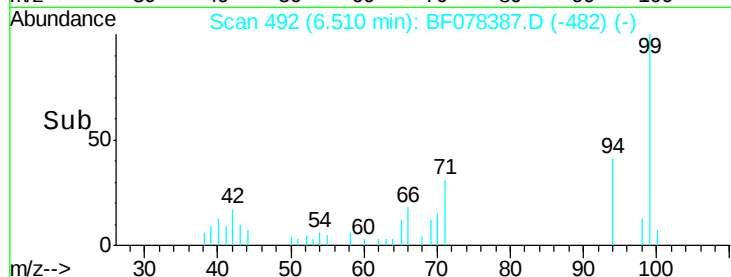
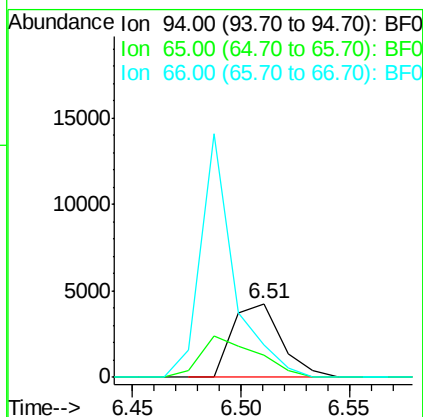
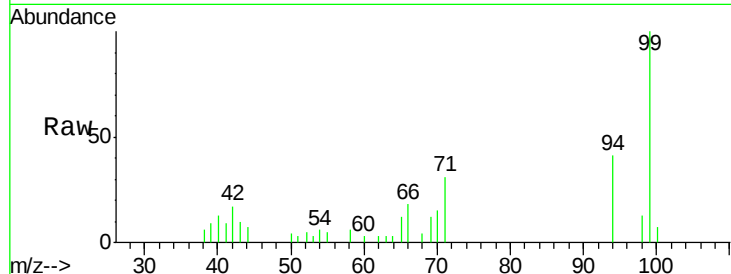




#10  
Phenol  
Concen: 2.03 ng  
RT: 6.51 min Scan# 492  
Delta R.T. 0.01 min  
Lab File: BF078387.D  
Acq: 10 Apr 2015 6:51

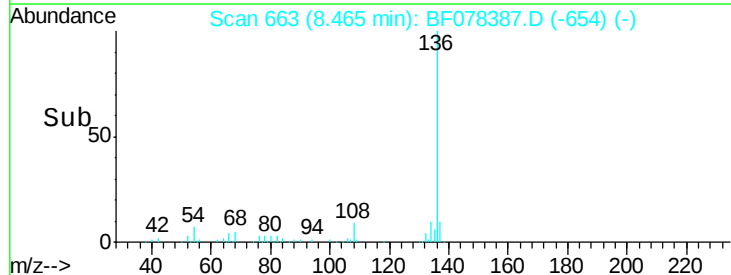
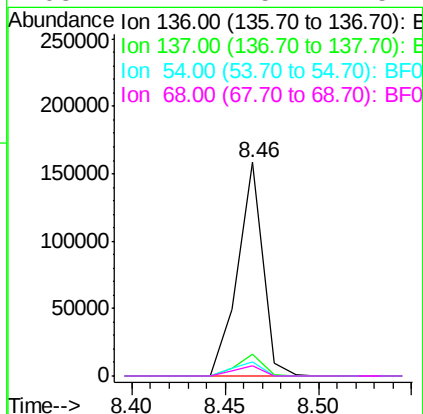
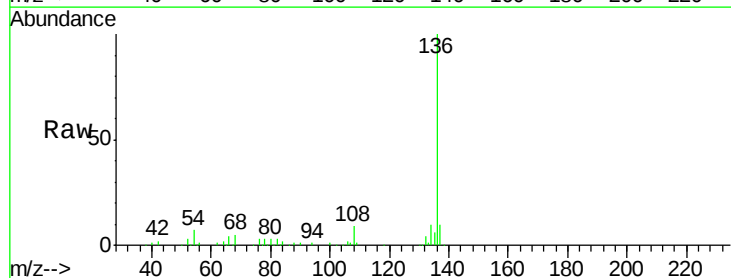
Instrument :  
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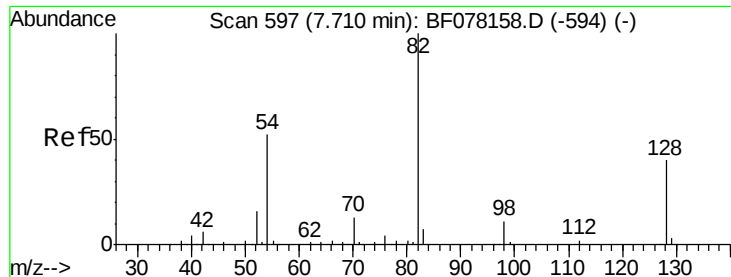
Tgt Ion: 94 Resp: 6650  
Ion Ratio Lower Upper  
94 100  
65 29.8 4.9 44.9  
66 44.4 13.8 53.8



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.46 min Scan# 663  
Delta R.T. -0.00 min  
Lab File: BF078387.D  
Acq: 10 Apr 2015 6:51

Tgt Ion: 136 Resp: 149916  
Ion Ratio Lower Upper  
136 100  
137 10.1 9.0 13.4  
54 6.6 7.0 10.6#  
68 4.7 5.4 8.2#

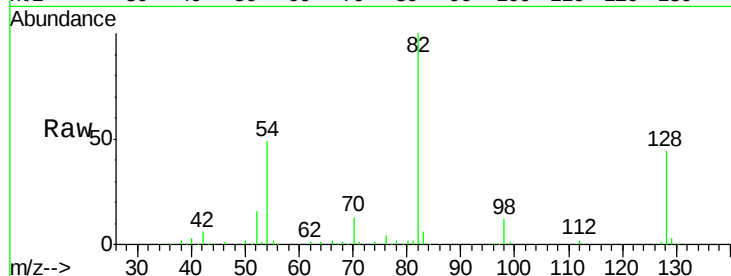




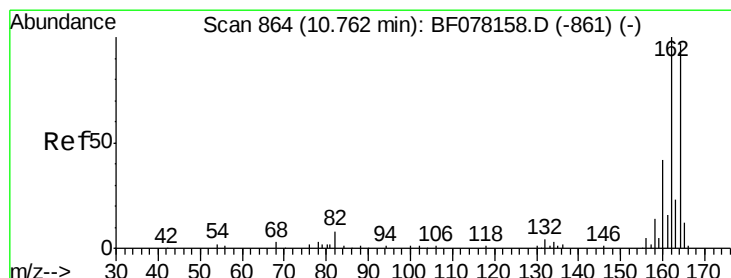
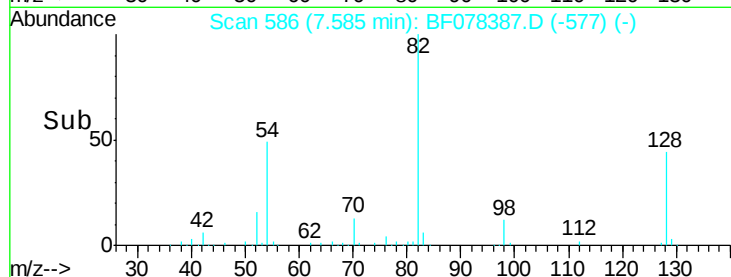
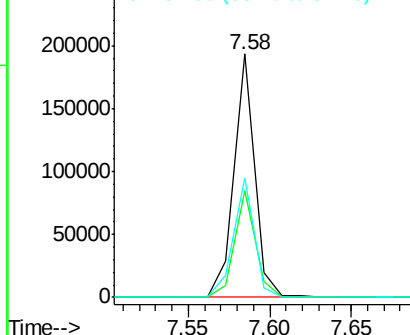
#23  
 Nitrobenzene-d5  
 Concen: 67.96 ng  
 RT: 7.58 min Scan# 586  
 Delta R.T. -0.00 min  
 Lab File: BF078387.D  
 Acq: 10 Apr 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(1)

Tgt Ion: 82 Resp: 168076  
 Ion Ratio Lower Upper  
 82 100  
 128 43.9 31.8 47.8  
 54 49.2 41.5 62.3

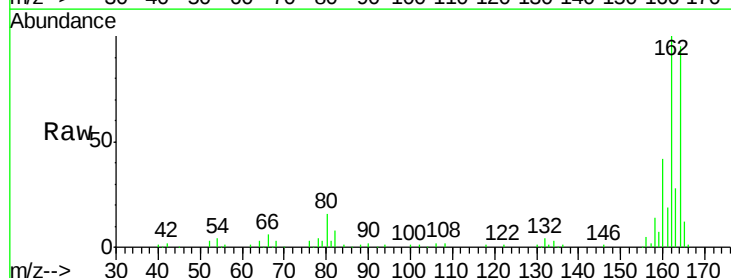


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

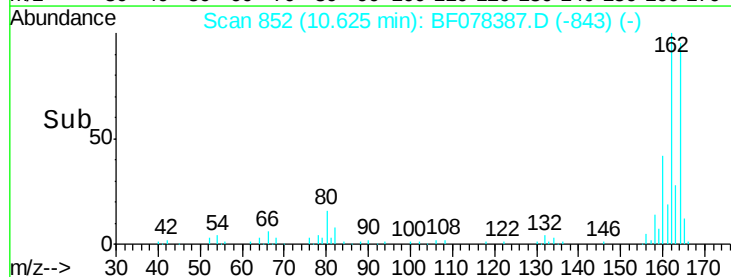
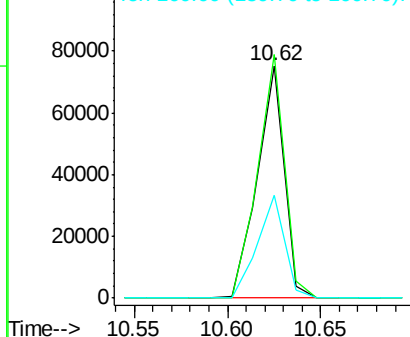


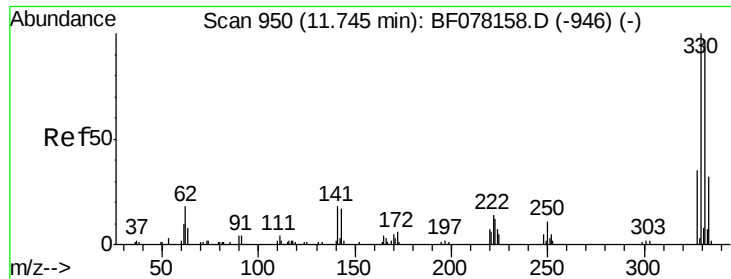
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.62 min Scan# 852  
 Delta R.T. -0.00 min  
 Lab File: BF078387.D  
 Acq: 10 Apr 2015 6:51

Tgt Ion: 164 Resp: 74780  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 82.2 123.2  
 160 44.4 34.7 52.1



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

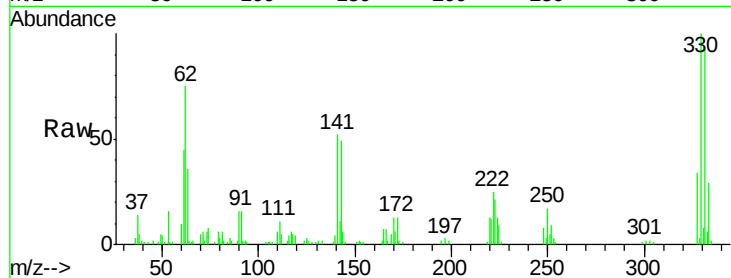




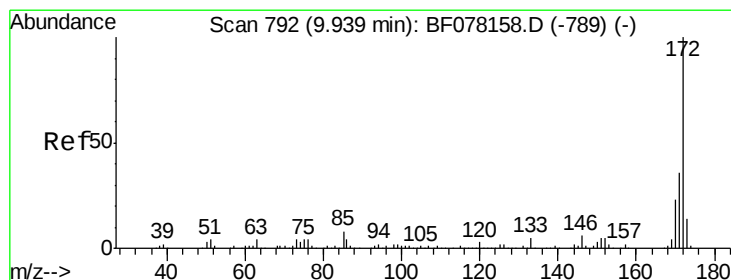
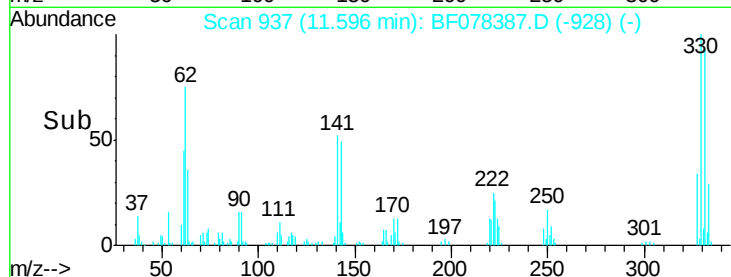
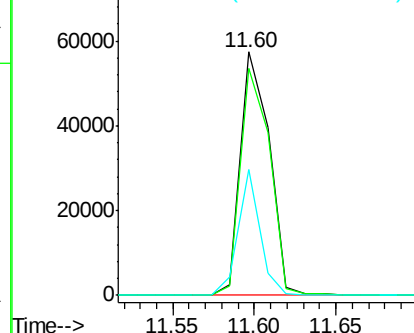
#41  
 2,4,6-Tribromophenol  
 Concen: 113.02 ng  
 RT: 11.60 min Scan# 937  
 Delta R.T. -0.00 min  
 Lab File: BF078387.D  
 Acq: 10 Apr 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(1)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.7  | 78.6  | 117.8 |
| 141     | 38.9  | 31.2  | 46.8  |

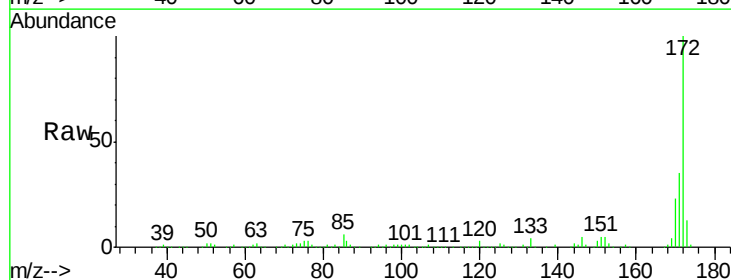


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

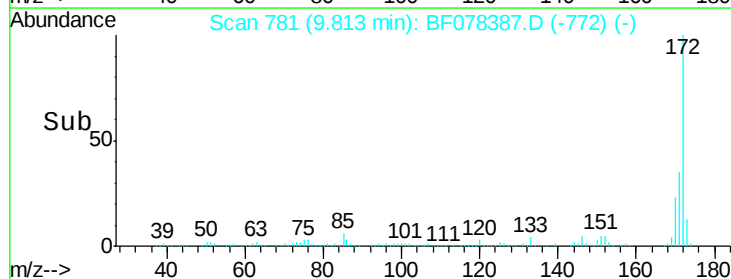
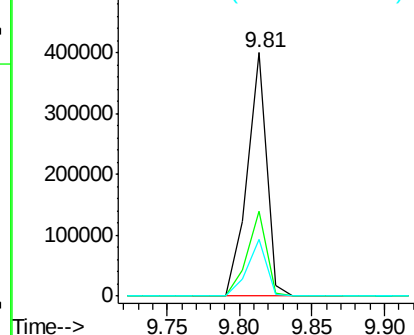


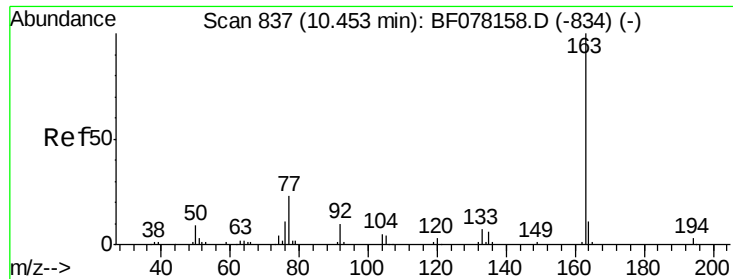
#44  
 2-Fluorobiphenyl  
 Concen: 71.22 ng  
 RT: 9.81 min Scan# 781  
 Delta R.T. -0.00 min  
 Lab File: BF078387.D  
 Acq: 10 Apr 2015 6:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 28.6  | 42.8  |
| 170     | 23.5  | 18.5  | 27.7  |



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

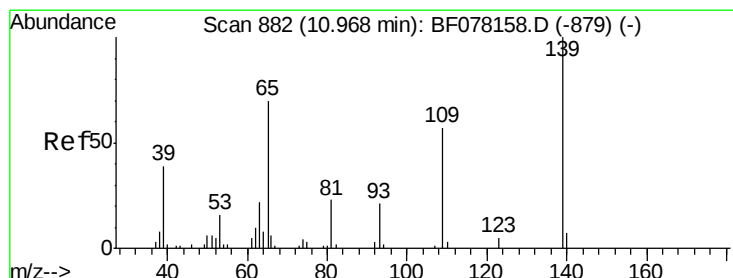
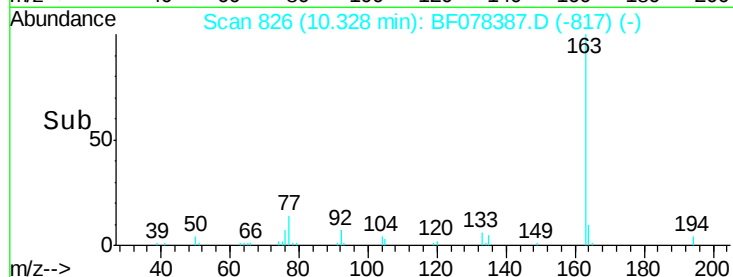
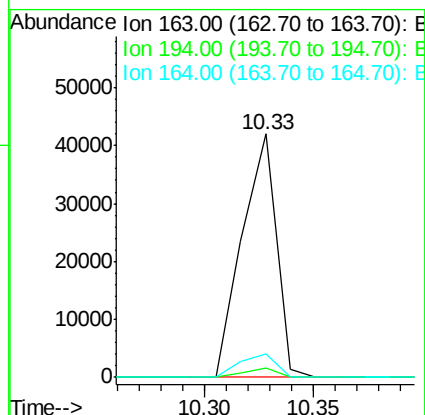
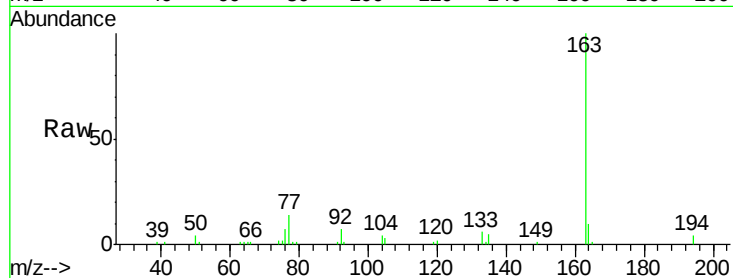




#49  
Dimethylphthalate  
Concen: 8.15 ng  
RT: 10.33 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: BF078387.D  
Acq: 10 Apr 2015 6:51

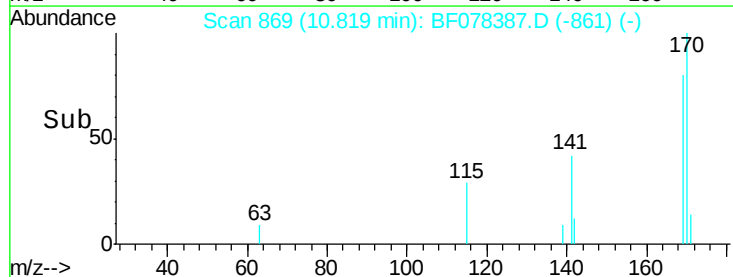
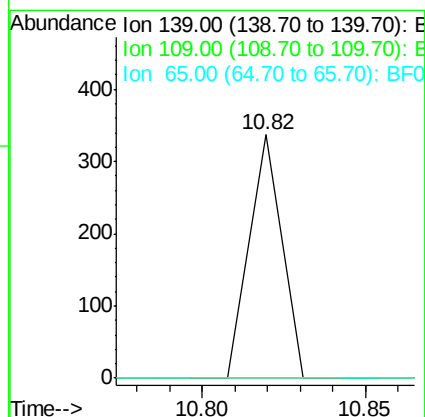
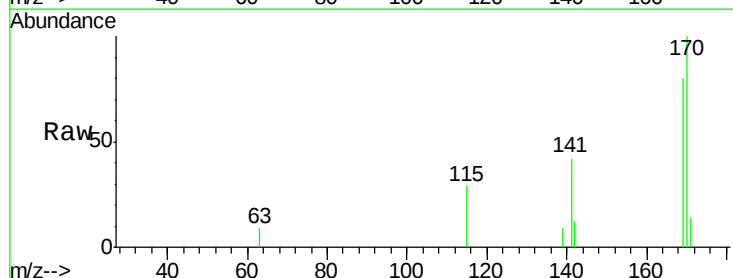
Instrument :  
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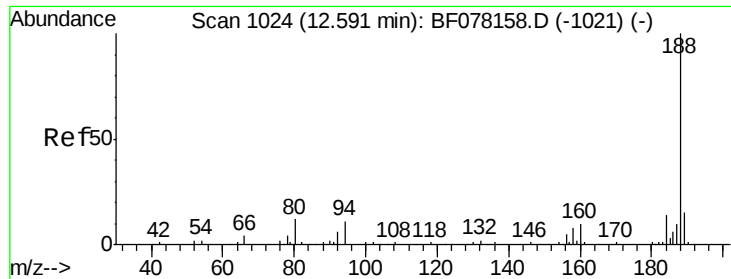
Tgt Ion:163 Resp: 45809  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.3 3.5#  
164 9.5 8.6 13.0



#55  
4-Nitrophenol  
Concen: 3.00 ng  
RT: 10.82 min Scan# 869  
Delta R.T. -0.01 min  
Lab File: BF078387.D  
Acq: 10 Apr 2015 6:51

Tgt Ion:139 Resp: 231  
Ion Ratio Lower Upper  
139 100  
109 0.0 36.7 76.7#  
65 0.0 49.9 89.9#

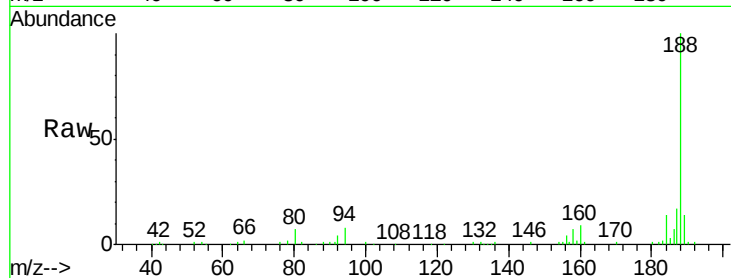




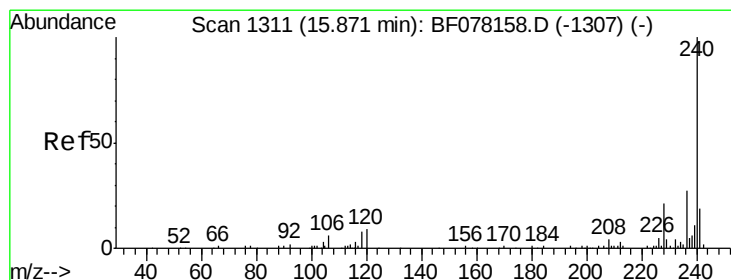
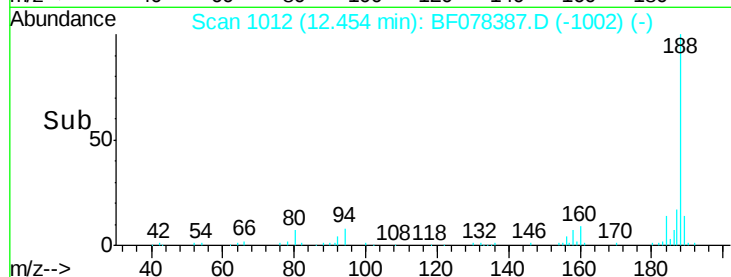
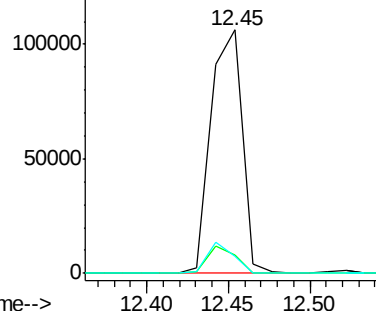
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.45 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: BF078387.D  
Acq: 10 Apr 2015 6:51

Instrument :  
BNA\_F  
ClientSampled :  
SB08(1)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.6   | 9.0   | 13.4# |
| 80      | 7.0   | 9.5   | 14.3# |

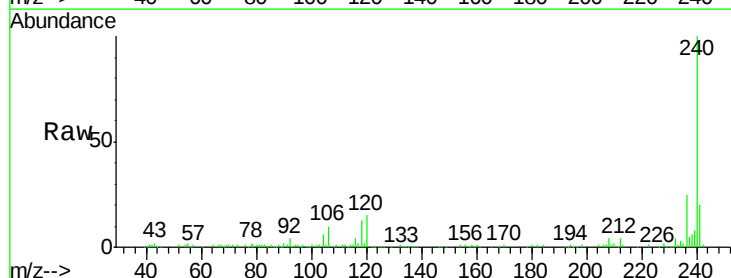


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

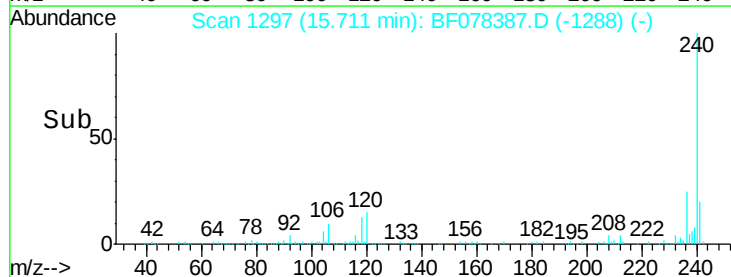
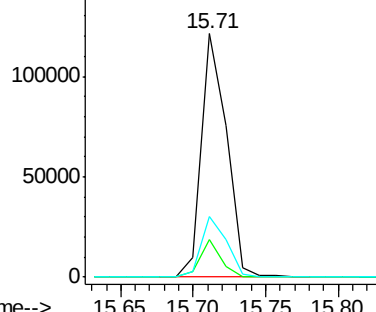


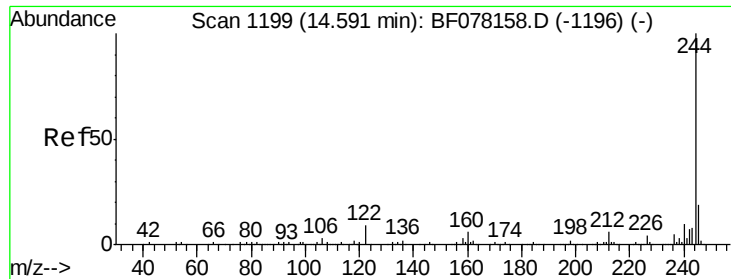
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.71 min Scan# 1297  
Delta R.T. -0.00 min  
Lab File: BF078387.D  
Acq: 10 Apr 2015 6:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.3  | 7.1   | 10.7# |
| 236     | 24.8  | 21.4  | 32.2  |



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

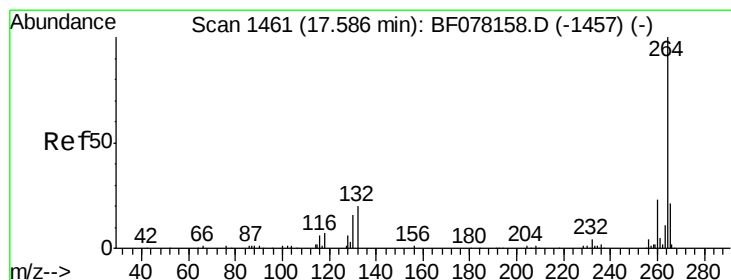
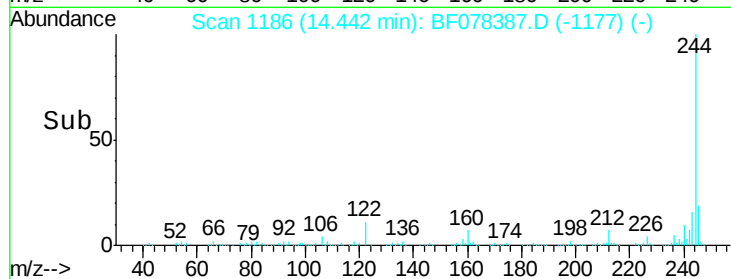
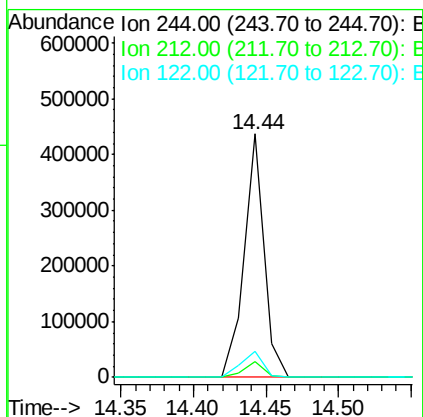
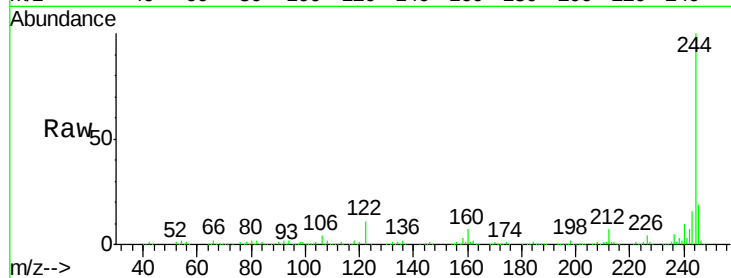




#78  
 Terphenyl-d14  
 Concen: 64.51 ng  
 RT: 14.44 min Scan# 1186  
 Delta R.T. -0.00 min  
 Lab File: BF078387.D  
 Acq: 10 Apr 2015 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(1)

Tgt Ion: 244 Resp: 417794  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 10.6 7.1 10.7



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.46 min Scan# 1450  
 Delta R.T. 0.05 min  
 Lab File: BF078387.D  
 Acq: 10 Apr 2015 6:51

Tgt Ion: 264 Resp: 147154  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 18.6 27.8  
 265 22.0 17.0 25.6

