

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050715\  
 Data File : BF078995.D  
 Acq On : 7 May 2015 14:53  
 Operator : TP/IZ  
 Sample : G2035-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3-D2

Quant Time: May 08 01:04:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 08 00:46:40 2015  
 Response via : Initial Calibration

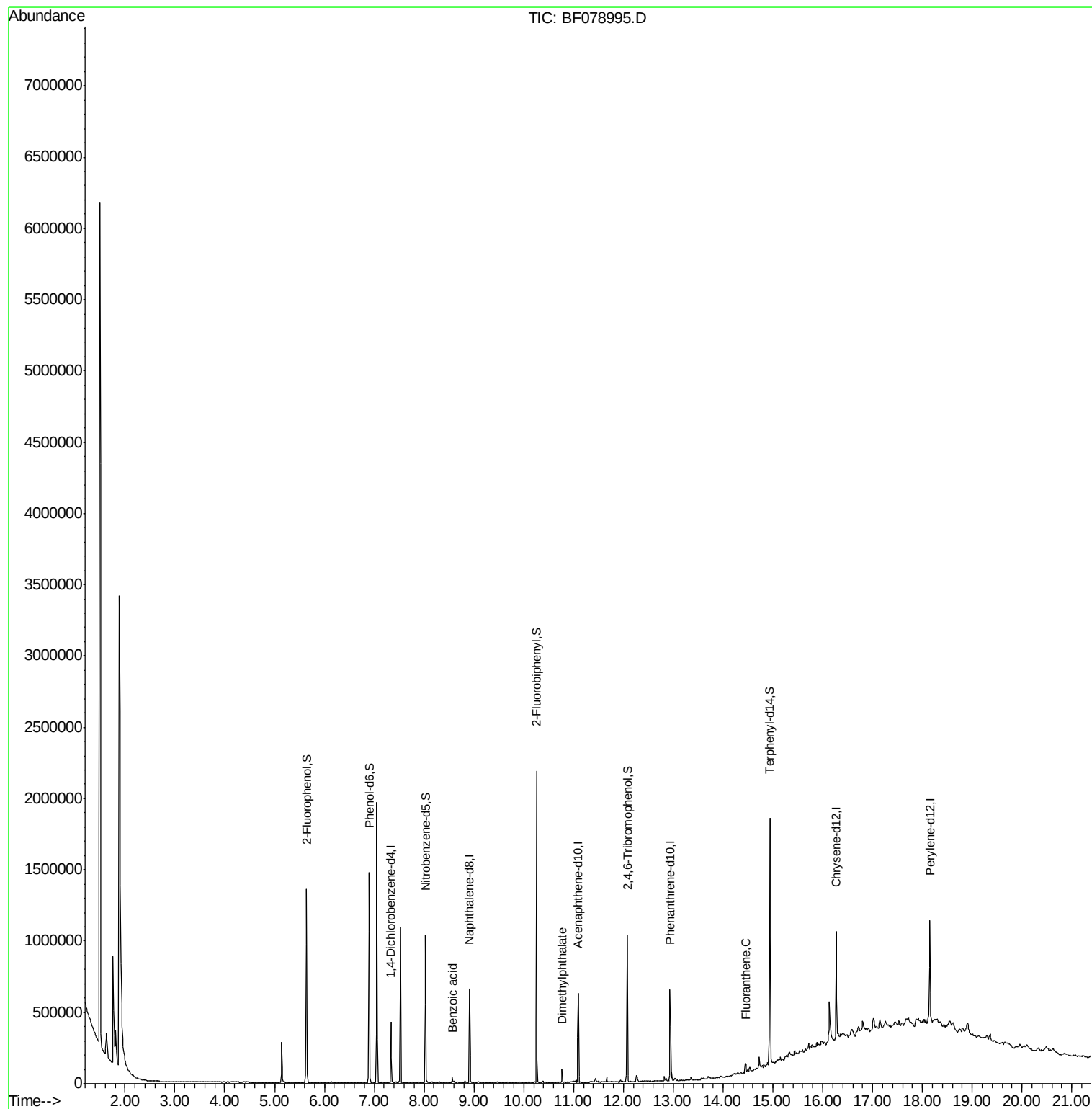
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.34  | 152  | 69480    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.91  | 136  | 300490   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.10 | 164  | 145118   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.94 | 188  | 286232   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.27 | 240  | 300176   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 18.15 | 264  | 332271   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 498305   | 123.45 | ng    | 0.01     |
| 7) Phenol-d6                | 6.90  | 99   | 681561   | 127.75 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.03  | 82   | 383816   | 73.41  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.08 | 330  | 187952   | 119.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.26 | 172  | 651058   | 62.51  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.94 | 244  | 673146   | 53.69  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 8.57  | 122  | 9213     | 9.29   | ng    | 98       |
| 49) Dimethylphthalate       | 10.76 | 163  | 36853    | 3.46   | ng    | 98       |
| 74) Fluoranthene            | 14.46 | 202  | 36376    | 2.18   | ng    | 95       |

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.34 min Scan# 538

Delta R.T. -0.00 min

Lab File: BF078995.D

Acq: 7 May 2015 14:53

Instrument :

BNA\_F

ClientSampleId :

TP-3-D2

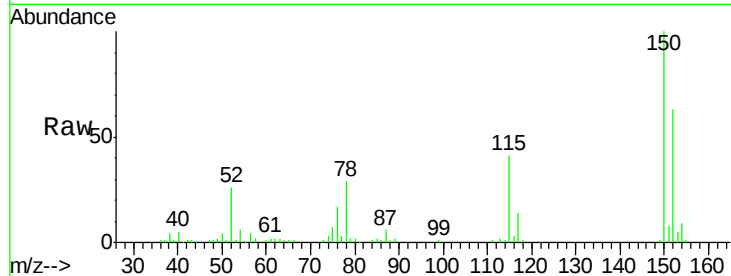
Tgt Ion:152 Resp: 69480

Ion Ratio Lower Upper

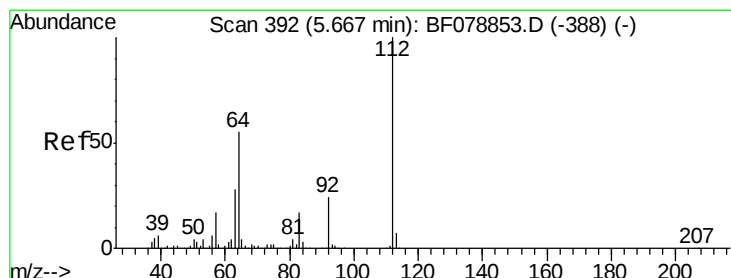
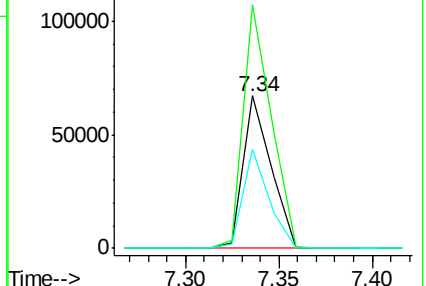
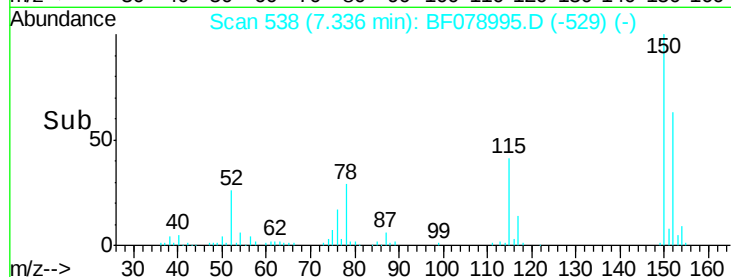
152 100

150 159.8 122.0 183.0

115 65.1 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: 123.45 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078995.D

Acq: 7 May 2015 14:53

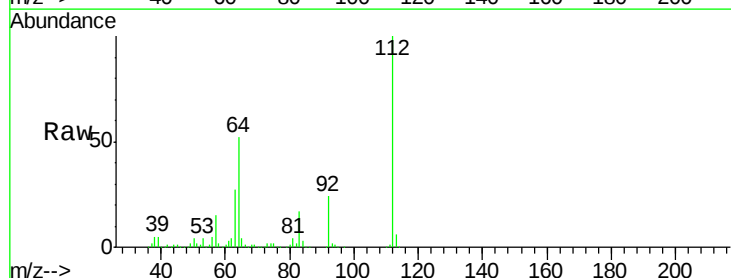
Tgt Ion:112 Resp: 498305

Ion Ratio Lower Upper

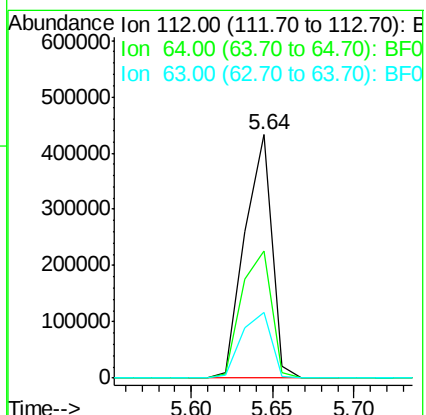
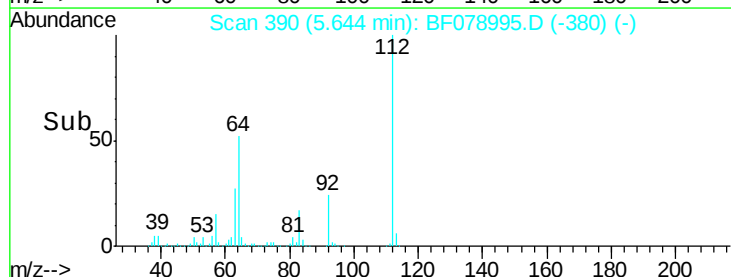
112 100

64 52.4 53.5 80.3#

63 26.7 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: 127.75 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078995.D

Acq: 7 May 2015 14:53

Instrument :

BNA\_F

ClientSampleId :

TP-3-D2

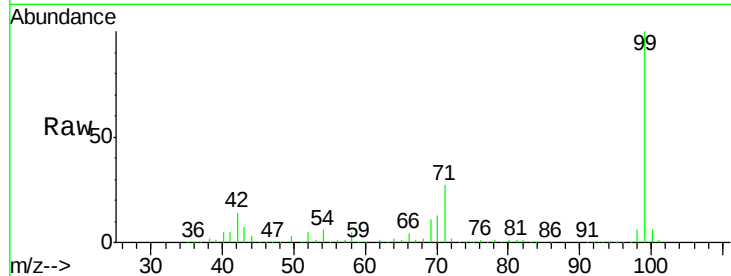
Tgt Ion: 99 Resp: 681561

Ion Ratio Lower Upper

99 100

42 13.9 12.8 19.2

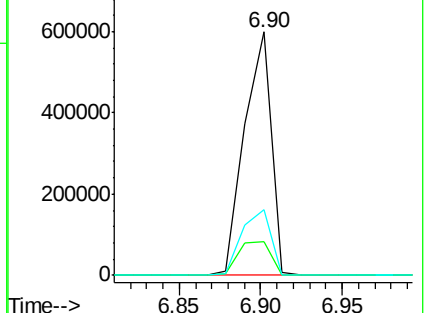
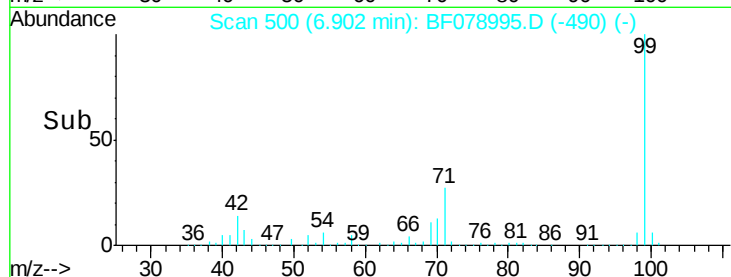
71 27.2 23.4 35.2



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: 8.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: BF078995.D

Acq: 7 May 2015 14:53

Tgt Ion: 136 Resp: 300490

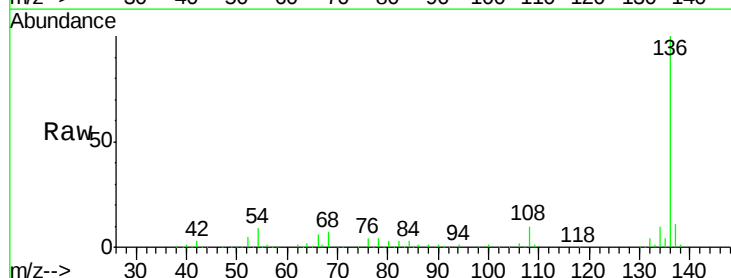
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.9 5.8 8.8#

68 6.6 4.2 6.4#

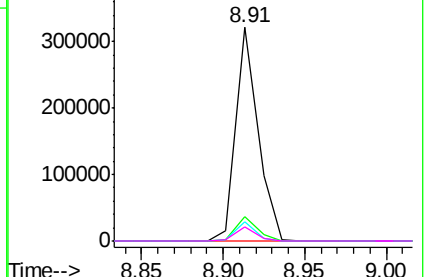
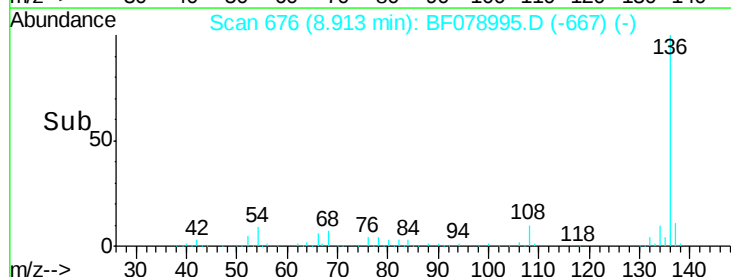


Abundance Ion 136.00 (135.70 to 136.70): E

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

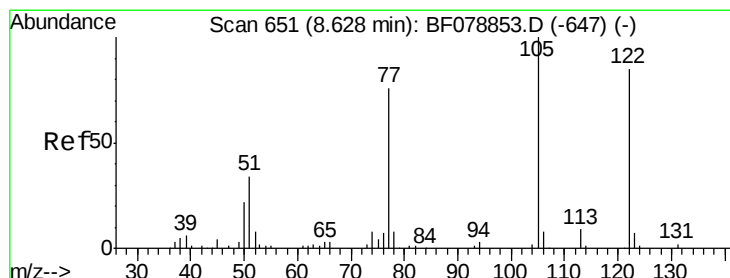
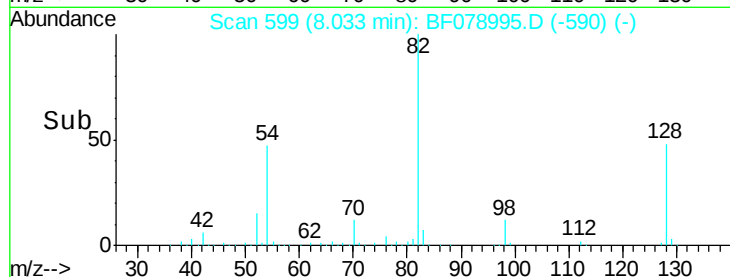
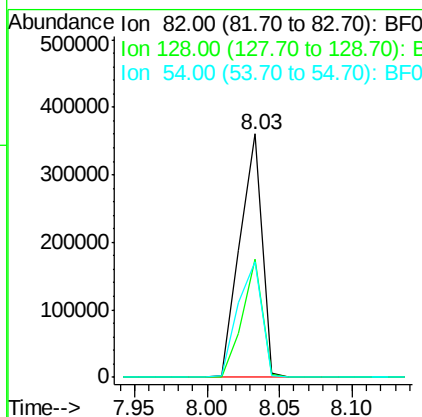
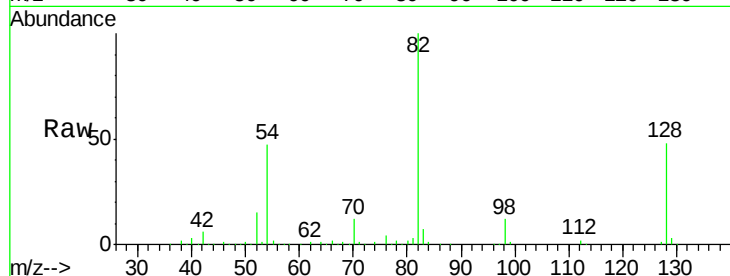




#23  
 Nitrobenzene-d5  
 Concen: 73.41 ng  
 RT: 8.03 min Scan# 599  
 Delta R.T. -0.00 min  
 Lab File: BF078995.D  
 Acq: 7 May 2015 14:53

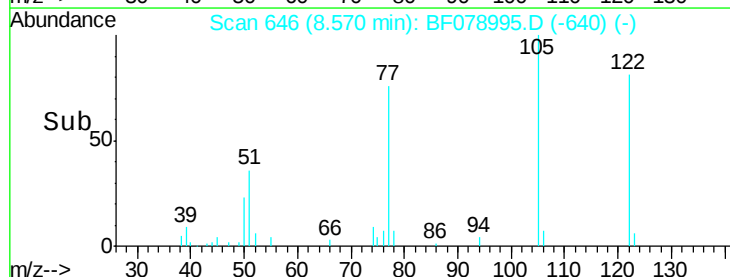
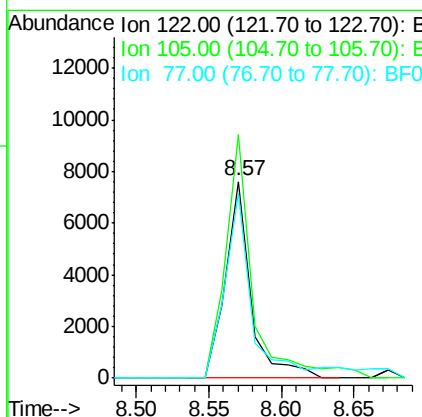
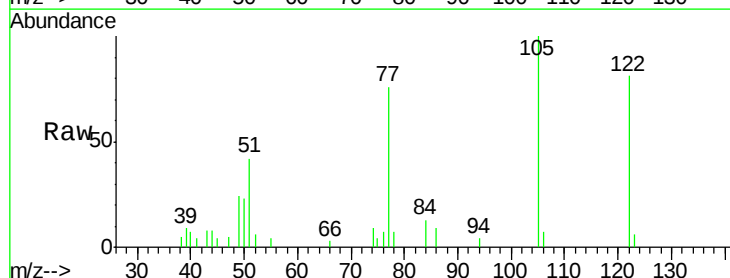
Instrument :  
 BNA\_F  
 ClientSampleId :  
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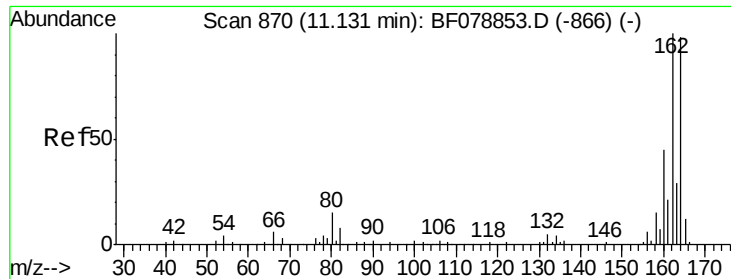
Tgt Ion: 82 Resp: 383816  
 Ion Ratio Lower Upper  
 82 100  
 128 48.3 30.0 45.0#  
 54 47.3 46.4 69.6



#32  
 Benzoic acid  
 Concen: 9.29 ng  
 RT: 8.57 min Scan# 646  
 Delta R.T. -0.03 min  
 Lab File: BF078995.D  
 Acq: 7 May 2015 14:53

Tgt Ion: 122 Resp: 9213  
 Ion Ratio Lower Upper  
 122 100  
 105 124.0 107.1 147.1  
 77 93.9 73.9 113.9

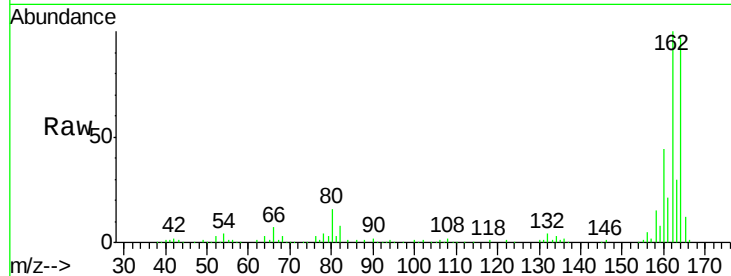




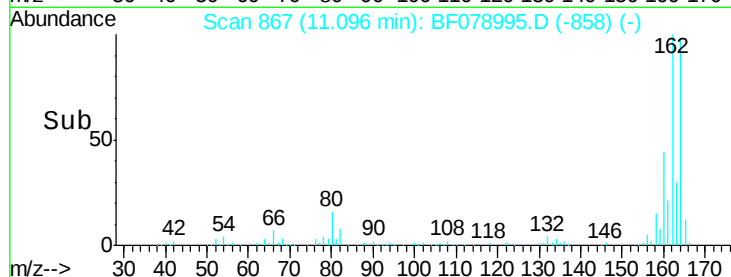
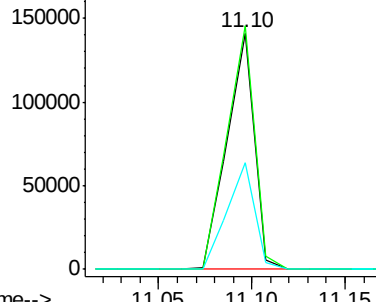
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.10 min Scan# 867  
 Delta R.T. -0.00 min  
 Lab File: BF078995.D  
 Acq: 7 May 2015 14:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3-D2

Tgt Ion:164 Resp: 145118  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 82.7 124.1  
 160 45.2 35.8 53.8

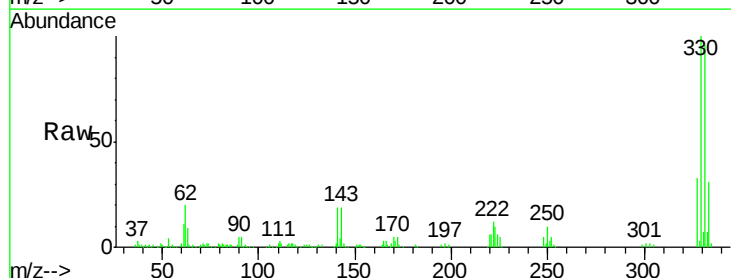


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

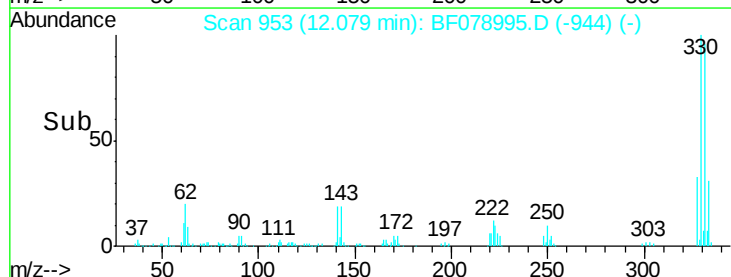
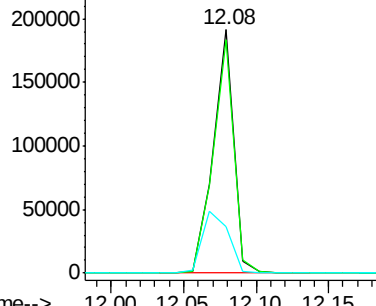


#41  
 2,4,6-Tribromophenol  
 Concen: 119.72 ng  
 RT: 12.08 min Scan# 953  
 Delta R.T. -0.00 min  
 Lab File: BF078995.D  
 Acq: 7 May 2015 14:53

Tgt Ion:330 Resp: 187952  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 0.0 0.0#  
 141 32.7 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

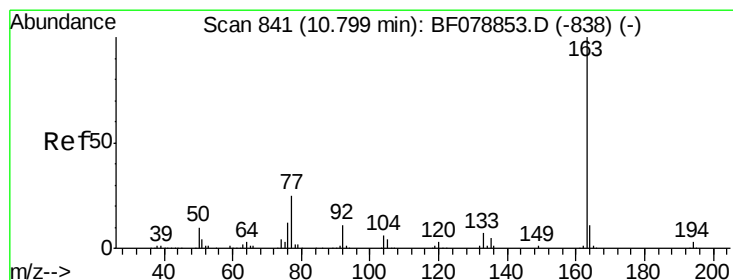
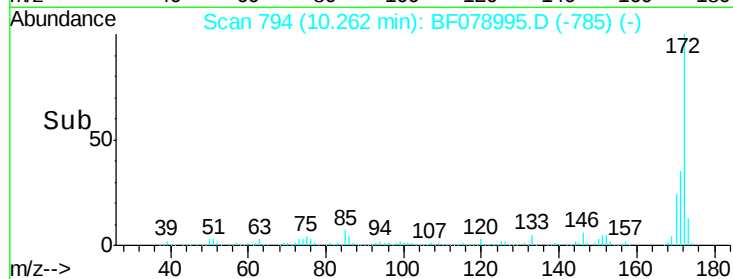
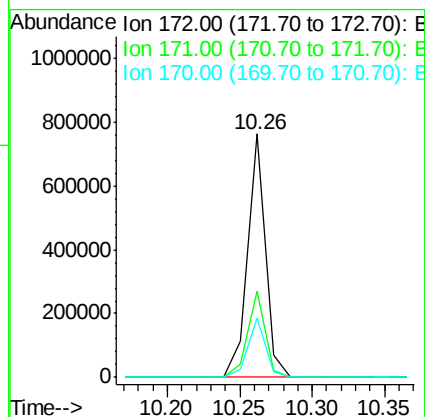
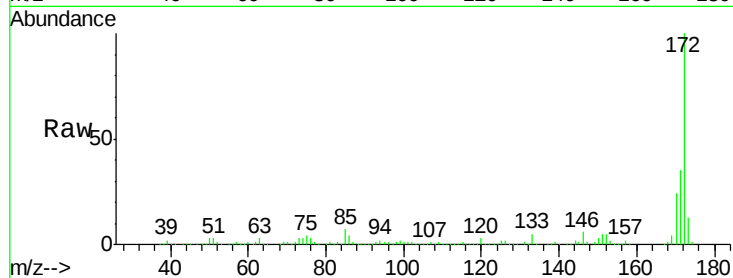




#44  
 2-Fluorobiphenyl  
 Concen: 62.51 ng  
 RT: 10.26 min Scan# 794  
 Delta R.T. -0.00 min  
 Lab File: BF078995.D  
 Acq: 7 May 2015 14:53

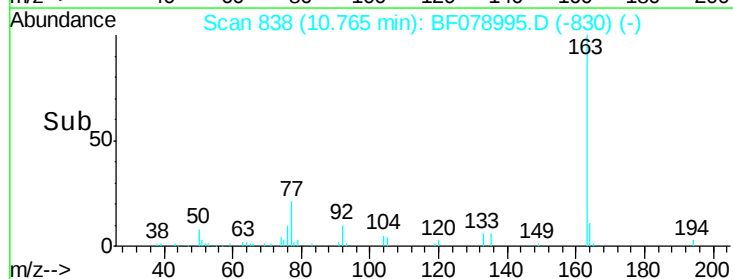
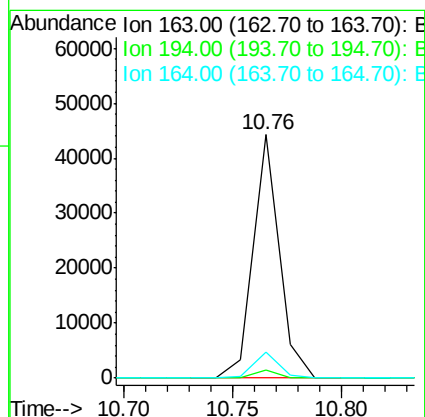
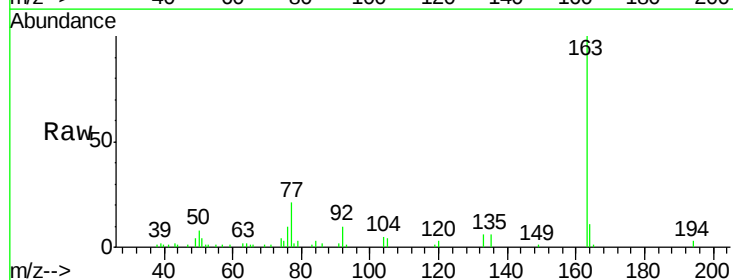
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3-D2

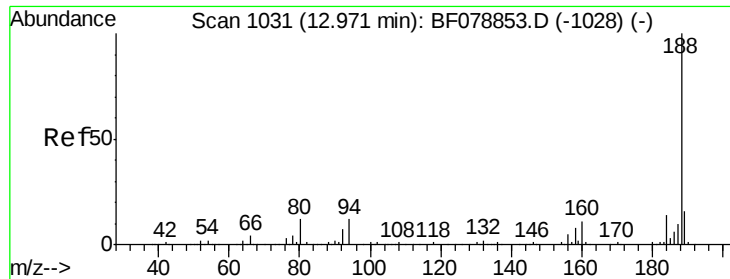
Tgt Ion:172 Resp: 651058  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 27.9 41.9  
 170 24.2 19.4 29.0



#49  
 Dimethylphthalate  
 Concen: 3.46 ng  
 RT: 10.76 min Scan# 838  
 Delta R.T. -0.01 min  
 Lab File: BF078995.D  
 Acq: 7 May 2015 14:53

Tgt Ion:163 Resp: 36853  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 2.6 4.0  
 164 10.9 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.94 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF078995.D

Acq: 7 May 2015 14:53

Instrument :

BNA\_F

ClientSampleId :

TP-3-D2

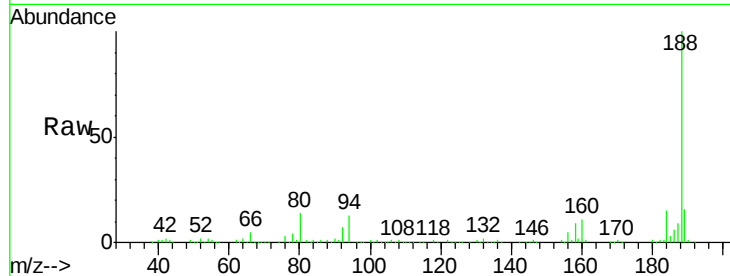
Tgt Ion:188 Resp: 286232

Ion Ratio Lower Upper

188 100

94 13.1 8.2 12.2#

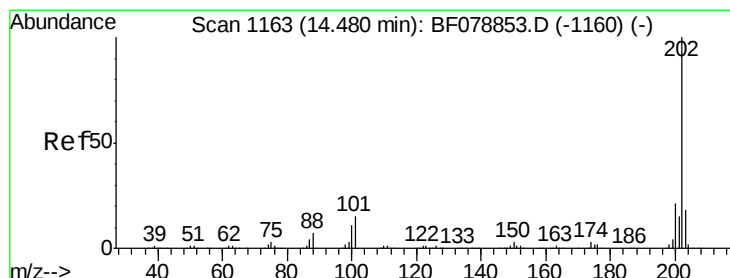
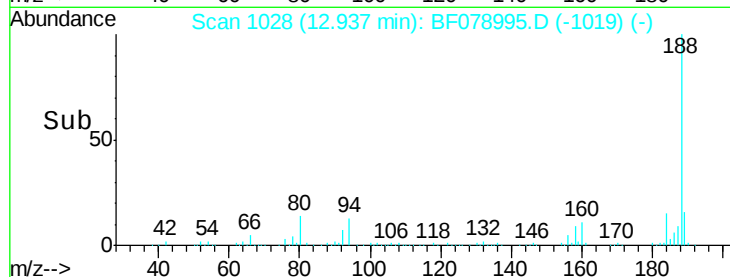
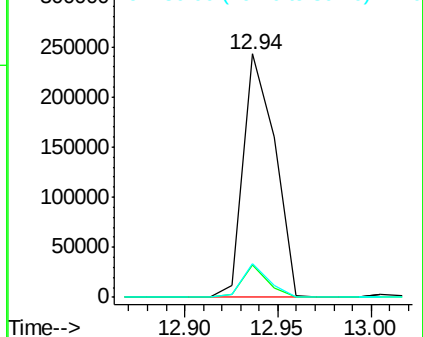
80 13.9 8.9 13.3#



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



#74

Fluoranthene

Concen: 2.18 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF078995.D

Acq: 7 May 2015 14:53

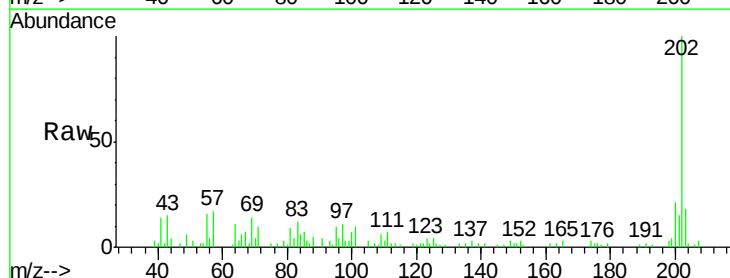
Tgt Ion:202 Resp: 36376

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.6

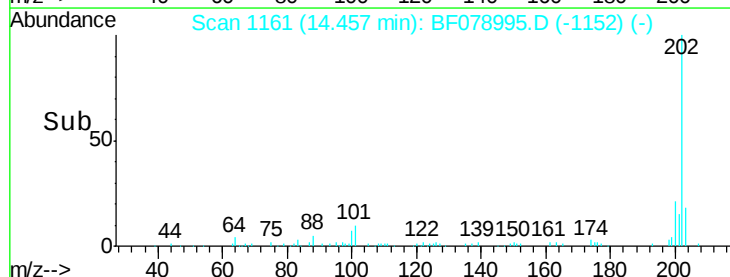
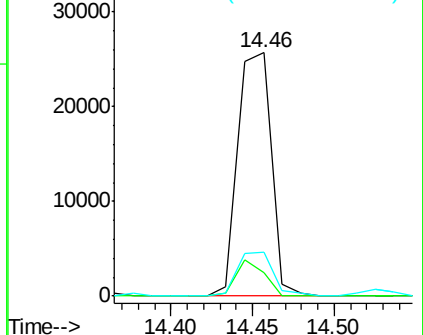
203 18.3 0.0 38.4

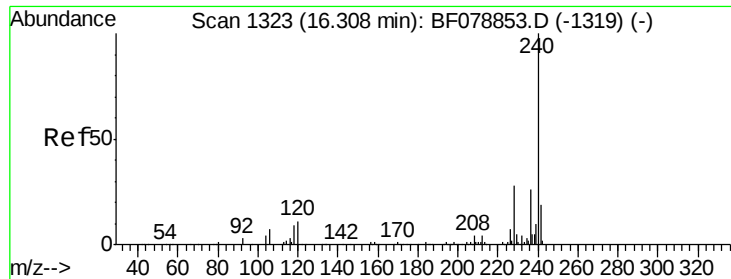


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

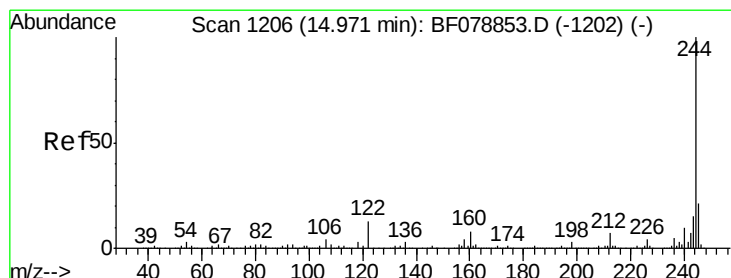
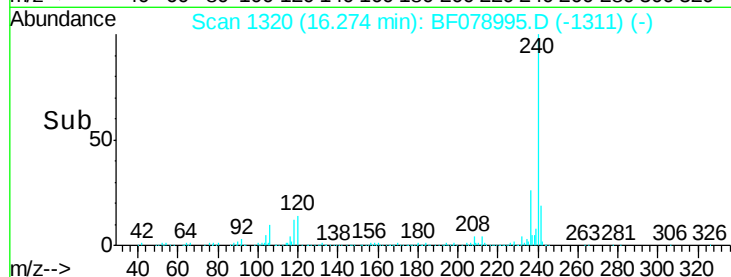
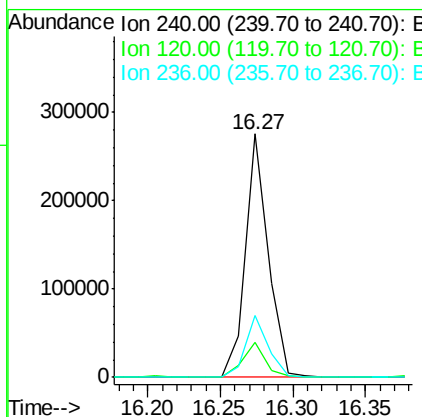
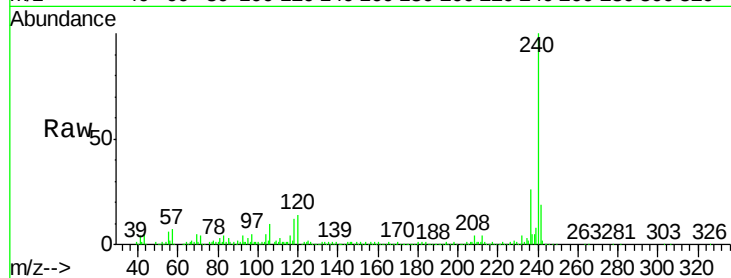




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.27 min Scan# 1320  
Delta R.T. -0.00 min  
Lab File: BF078995.D  
Acq: 7 May 2015 14:53

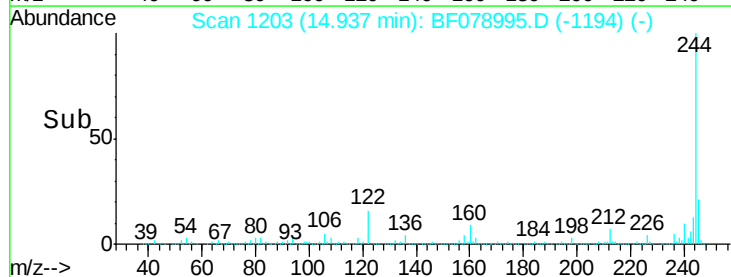
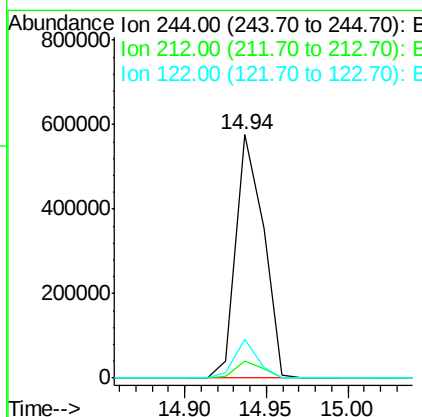
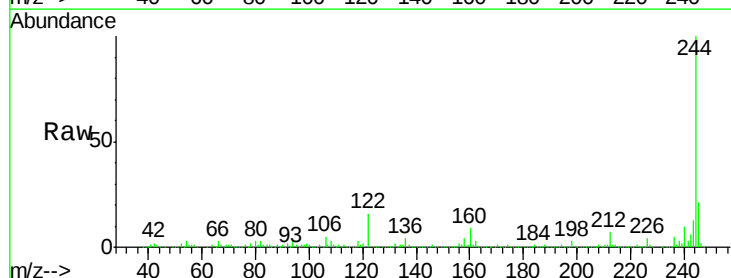
Instrument :  
BNA\_F  
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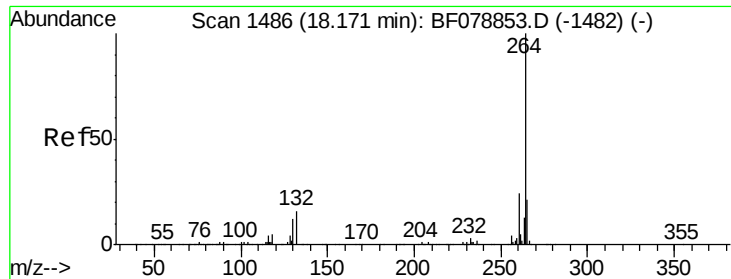
Tgt Ion:240 Resp: 300176  
Ion Ratio Lower Upper  
240 100  
120 14.5 9.7 14.5  
236 25.7 20.2 30.4



#78  
Terphenyl-d14  
Concen: 53.69 ng  
RT: 14.94 min Scan# 1203  
Delta R.T. -0.00 min  
Lab File: BF078995.D  
Acq: 7 May 2015 14:53

Tgt Ion:244 Resp: 673146  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 15.9 10.3 15.5#

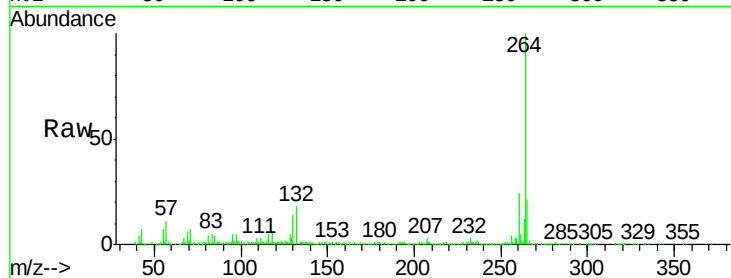




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.15 min Scan# 1484  
Delta R.T. 0.01 min  
Lab File: BF078995.D  
Acq: 7 May 2015 14:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-3-D2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.4  | 29.2  |
| 265     | 21.5  | 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

