

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
 Data File : BF081712.D  
 Acq On : 21 Sep 2015 13:33  
 Operator : UM/IZ  
 Sample : G3726-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PW-1

Quant Time: Sep 22 01:00:46 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 14:03:59 2015  
 Response via : Initial Calibration

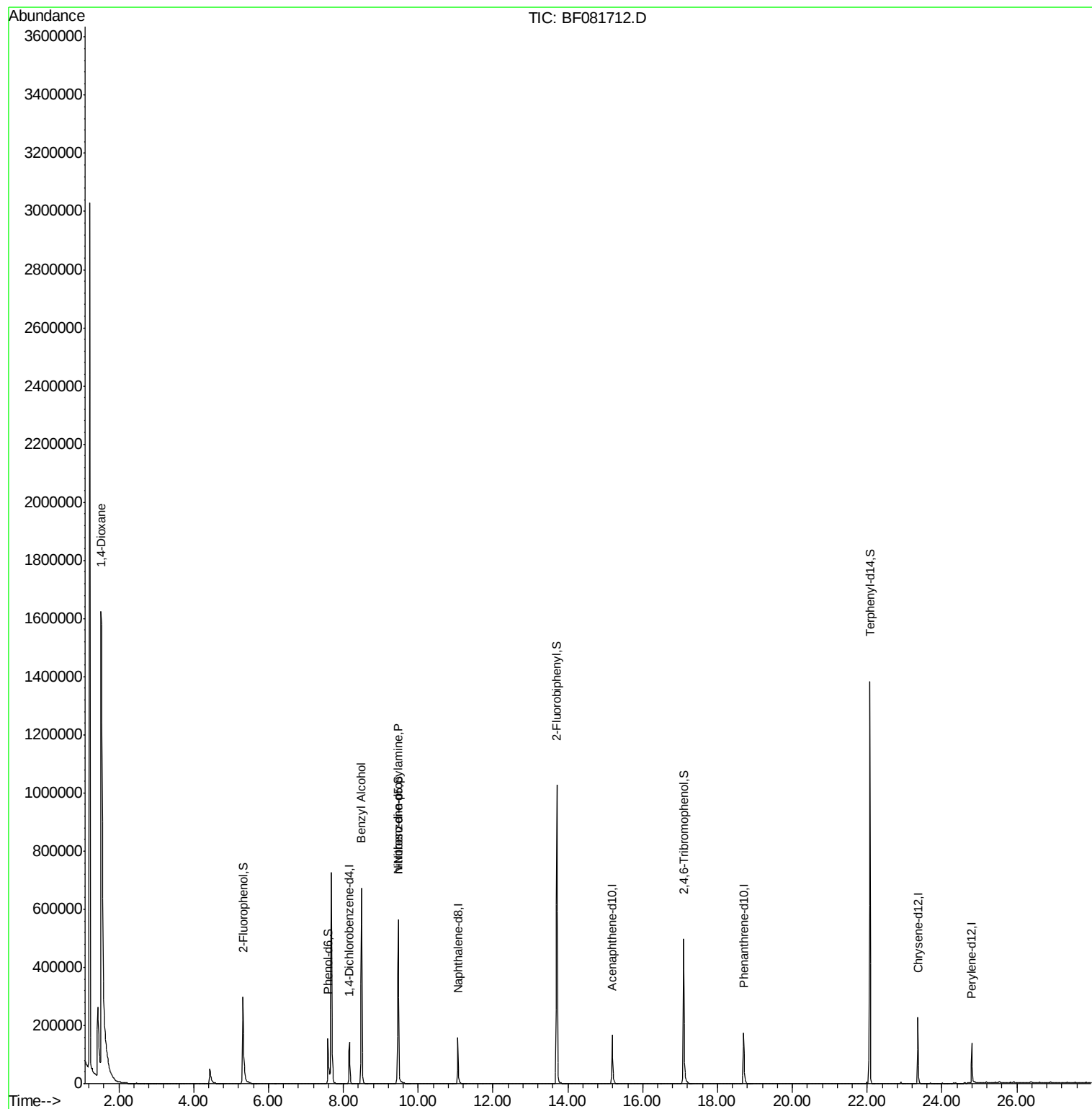
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.16  | 152  | 38966    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8             | 11.05 | 136  | 150950   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10           | 15.19 | 164  | 71233    | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10           | 18.70 | 188  | 151888   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12               | 23.35 | 240  | 124846   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.79 | 264  | 87606    | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 173344   | 69.02  | ng    | -0.03    |
| 7) Phenol-d6                   | 7.59  | 99   | 148356   | 44.63  | ng    | -0.06    |
| 23) Nitrobenzene-d5            | 9.46  | 82   | 354271   | 113.23 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol       | 17.10 | 330  | 101664   | 160.29 | ng    | -0.07    |
| 44) 2-Fluorobiphenyl           | 13.71 | 172  | 618001   | 111.18 | ng    | -0.07    |
| 78) Terphenyl-d14              | 22.07 | 244  | 564594   | 105.27 | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.52  | 88   | 113315   | 100.46 | ng    | # 11     |
| 15) Benzyl Alcohol             | 8.48  | 79   | 6383     | 2.34   | ng    | # 34     |
| 19) n-Nitroso-di-n-propylamine | 9.46  | 70   | 43095    | 19.05  | ng    | # 67     |

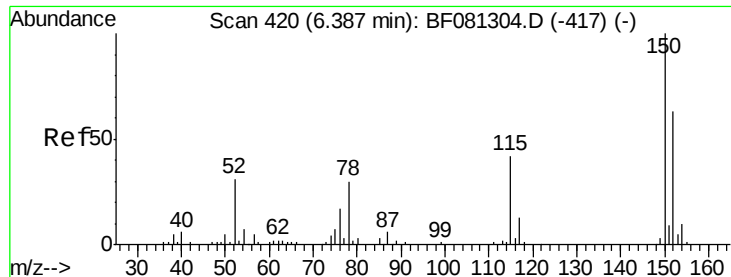
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
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QLast Update : Tue Sep 15 14:03:59 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 619

Delta R.T. -0.06 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

Instrument :

BNA\_F

ClientSampleId :

PW-1

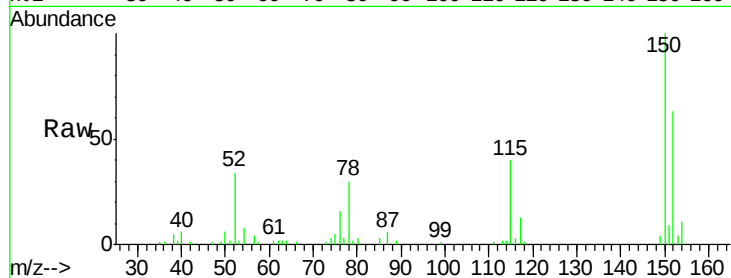
Tgt Ion:152 Resp: 38966

Ion Ratio Lower Upper

152 100

150 159.5 124.7 187.1

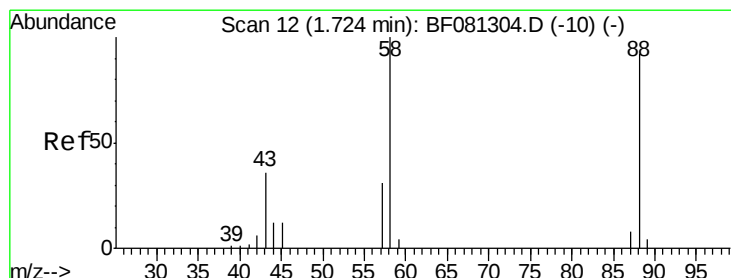
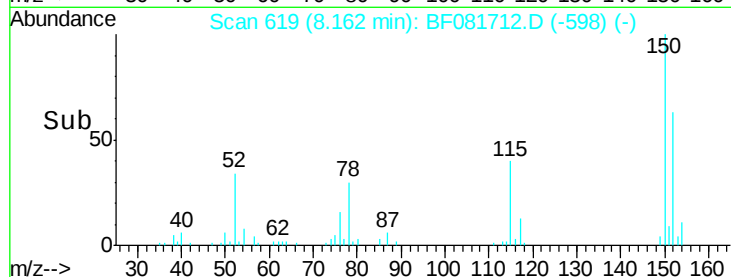
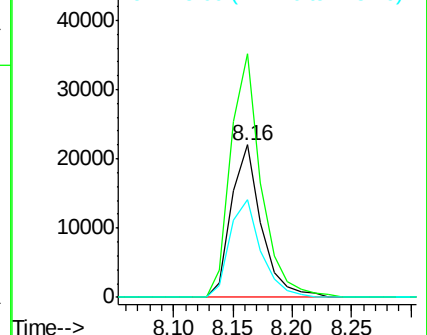
115 64.2 39.0 58.4#



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: 100.46 ng

RT: 1.52 min Scan# 38

Delta R.T. -0.04 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

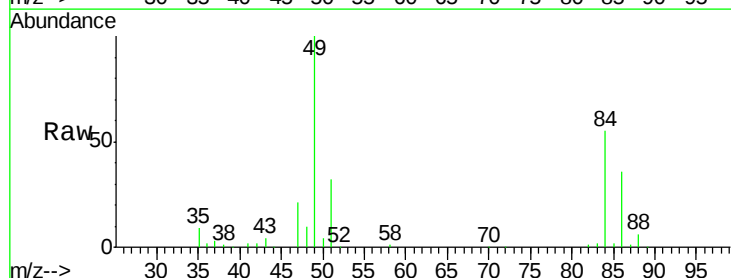
Tgt Ion: 88 Resp: 113315

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

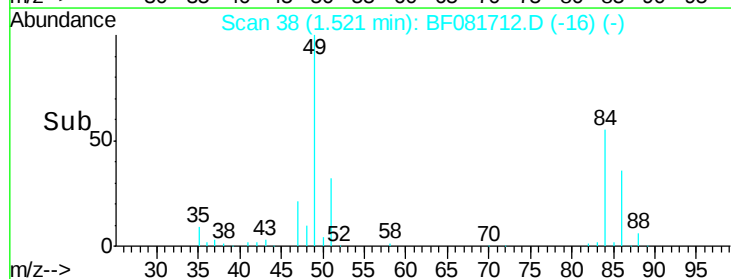
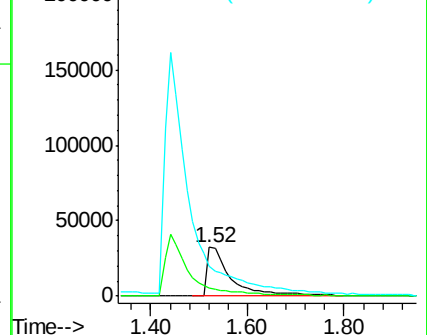
43 0.0 26.6 40.0#

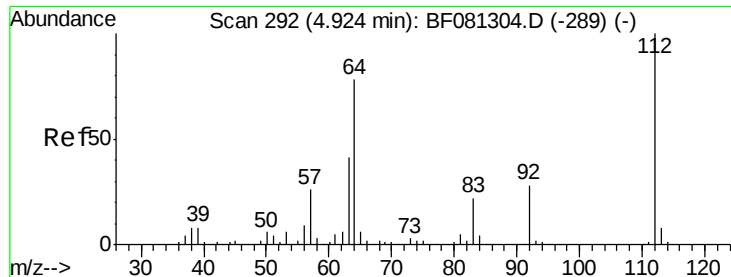


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

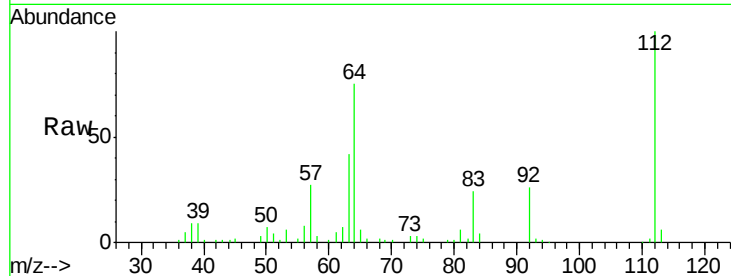




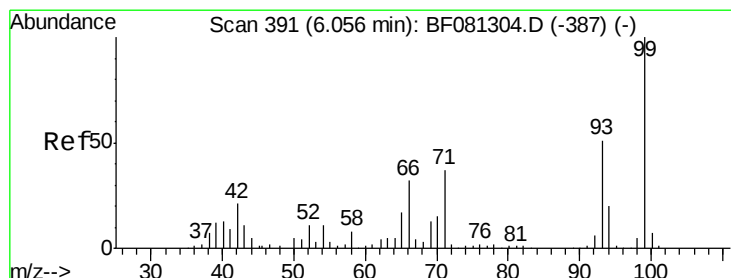
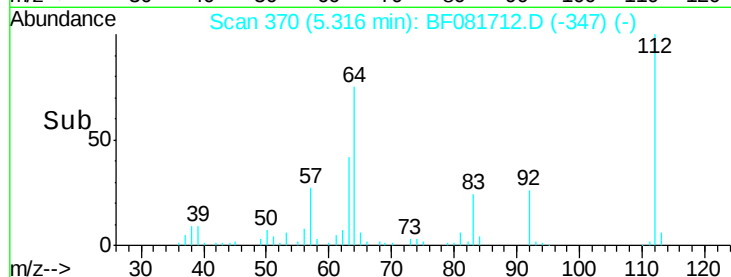
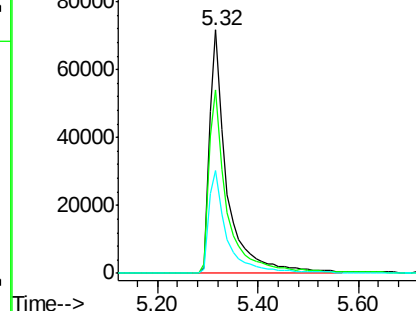
#5  
 2-Fluorophenol  
 Concen: 69.02 ng  
 RT: 5.32 min Scan# 370  
 Delta R.T. -0.03 min  
 Lab File: BF081712.D  
 Acq: 21 Sep 2015 13:33

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PW-1

Tgt Ion: 112 Resp: 173344  
 Ion Ratio Lower Upper  
 112 100  
 64 75.2 39.7 59.5#  
 63 42.4 17.4 26.0#

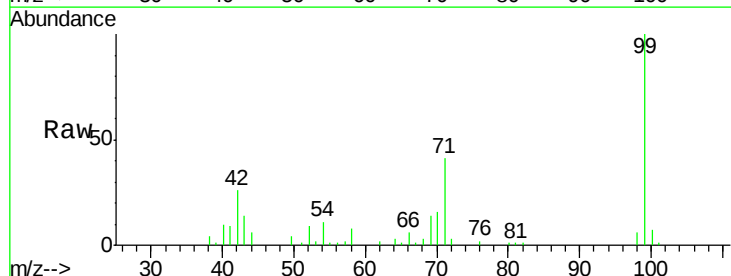


Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0

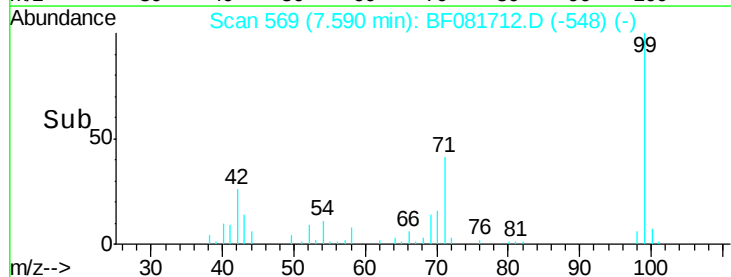
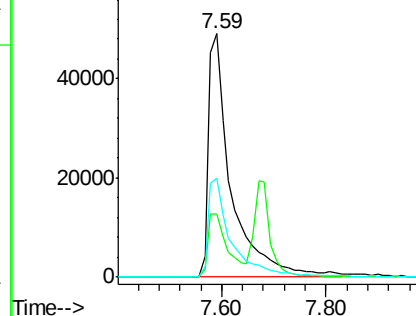


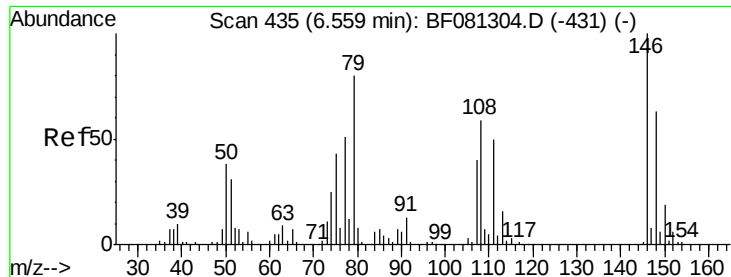
#7  
 Phenol-d6  
 Concen: 44.63 ng  
 RT: 7.59 min Scan# 569  
 Delta R.T. -0.06 min  
 Lab File: BF081712.D  
 Acq: 21 Sep 2015 13:33

Tgt Ion: 99 Resp: 148356  
 Ion Ratio Lower Upper  
 99 100  
 42 25.8 13.7 20.5#  
 71 40.7 14.2 21.2#



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





#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 8.48 min Scan# 647

Delta R.T. -0.18 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

Instrument :

BNA\_F

ClientSampleId :

PW-1

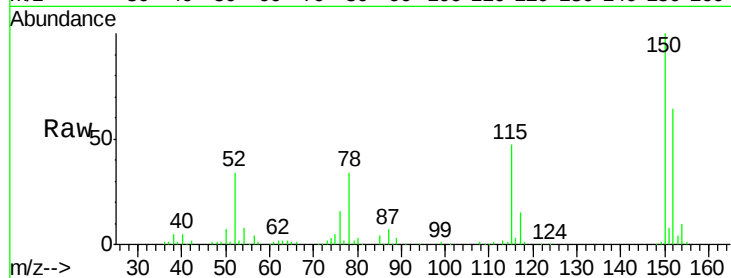
Tgt Ion: 79 Resp: 6383

Ion Ratio Lower Upper

79 100

108 24.6 88.6 132.8#

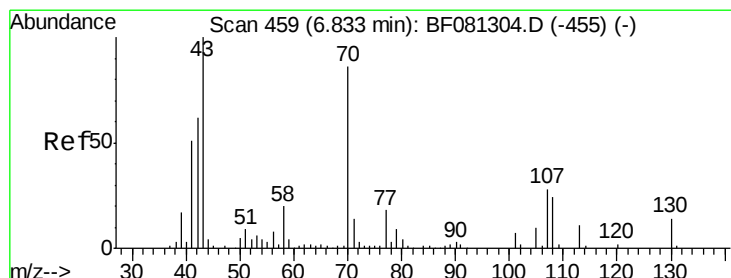
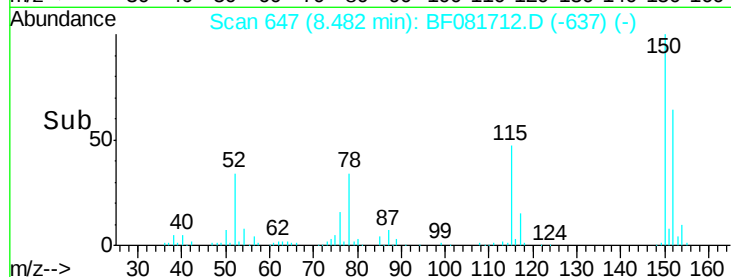
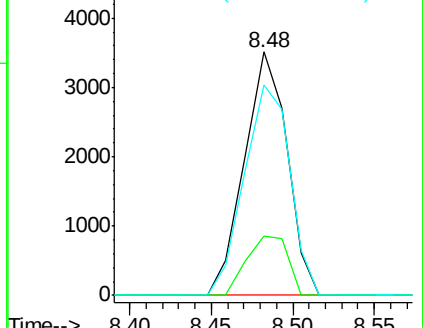
77 86.6 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.05 ng

RT: 9.46 min Scan# 733

Delta R.T. 0.17 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

Tgt Ion: 70 Resp: 43095

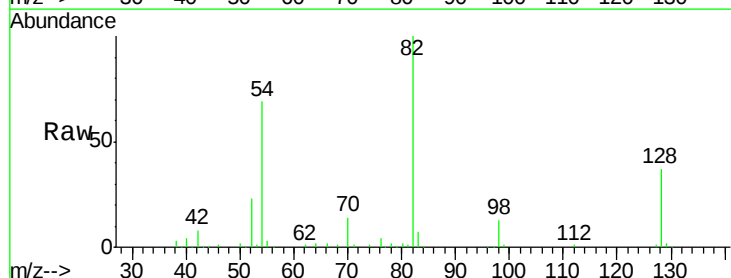
Ion Ratio Lower Upper

70 100

42 59.6 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#

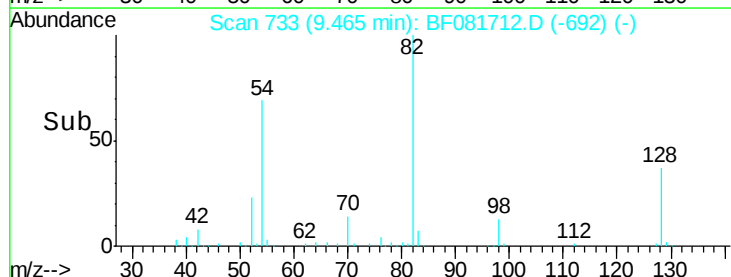
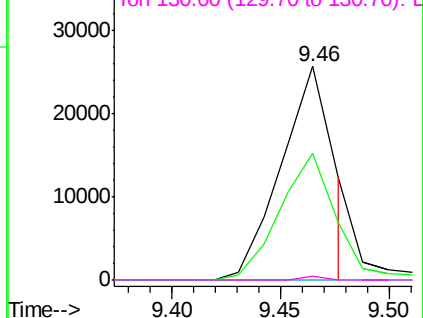


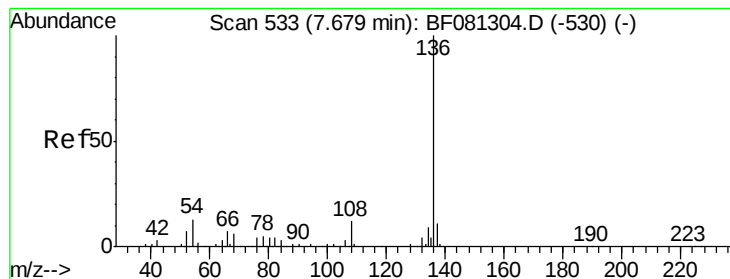
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.05 min Scan# 872

Delta R.T. -0.07 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

Instrument :

BNA\_F

ClientSampleId :

PW-1

Tgt Ion: 136 Resp: 150950

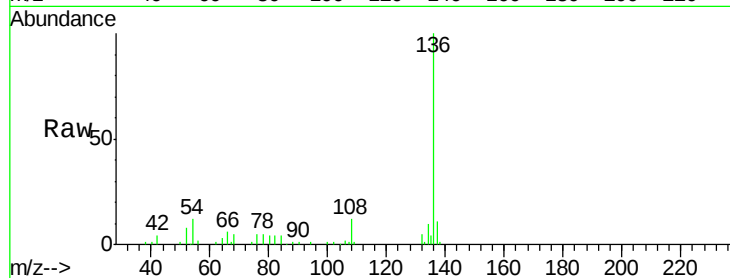
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 12.4 8.2 12.2#

68 5.1 5.8 8.6#

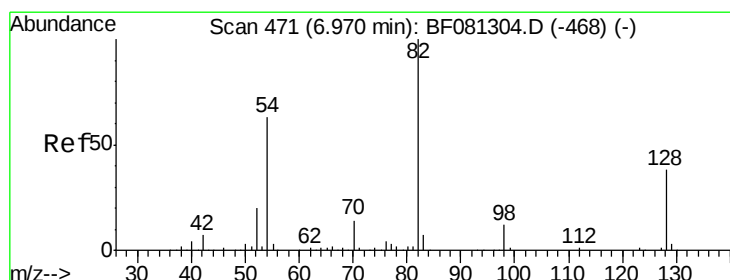
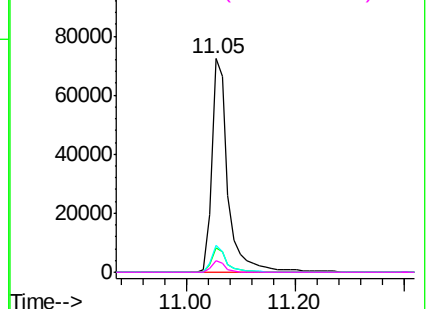
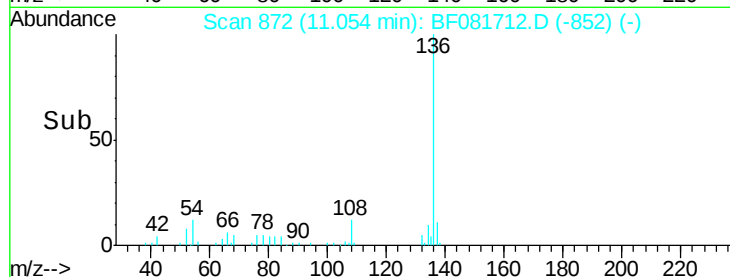


Abundance Ion 136.00 (135.70 to 136.70): E

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: 113.23 ng

RT: 9.46 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

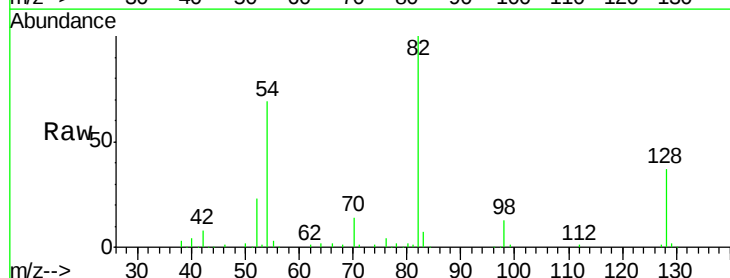
Tgt Ion: 82 Resp: 354271

Ion Ratio Lower Upper

82 100

128 36.9 51.0 76.6#

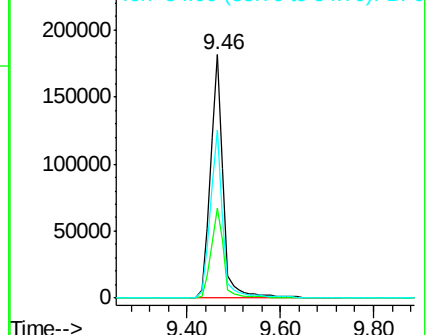
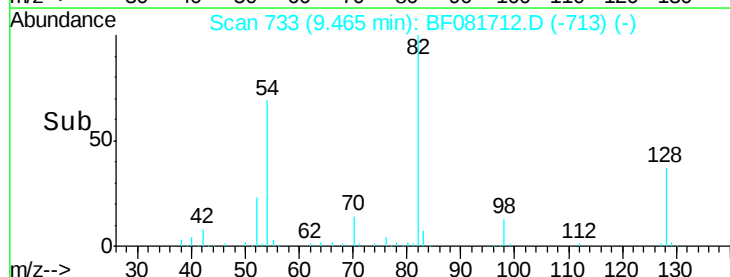
54 69.2 47.5 71.3

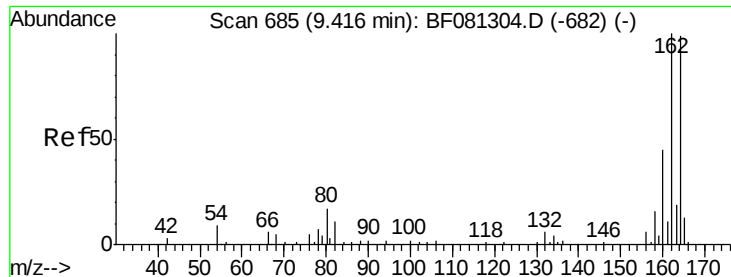


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.19 min Scan# 1234

Delta R.T. -0.07 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

Instrument :

BNA\_F

ClientSampled :

PW-1

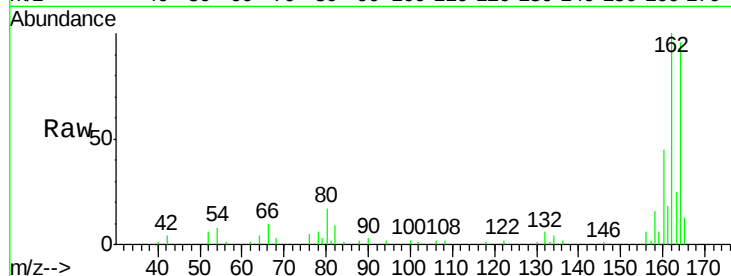
Tgt Ion:164 Resp: 71233

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

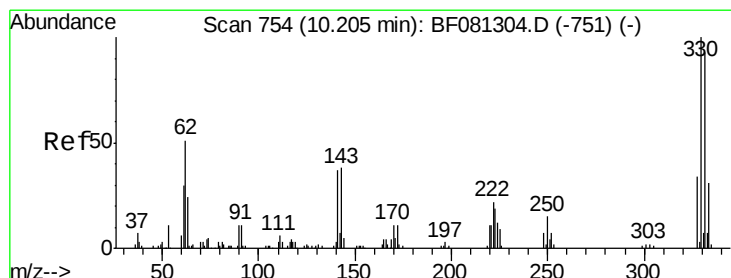
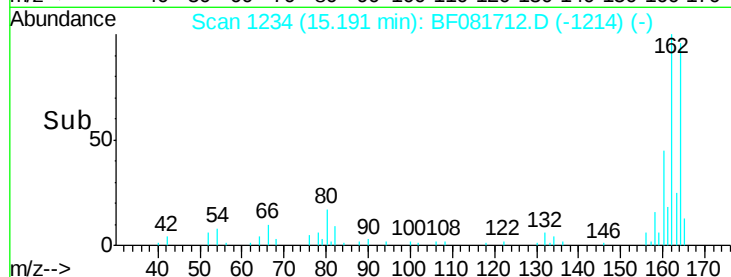
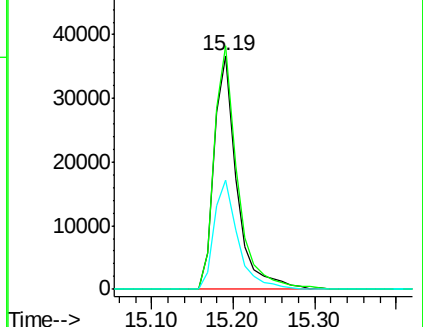
160 46.9 31.5 47.3



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: 160.29 ng

RT: 17.10 min Scan# 1401

Delta R.T. -0.07 min

Lab File: BF081712.D

Acq: 21 Sep 2015 13:33

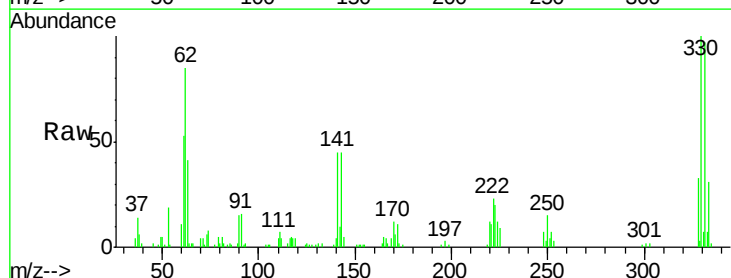
Tgt Ion:330 Resp: 101664

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

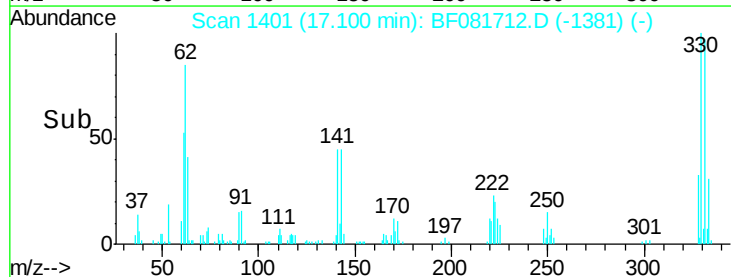
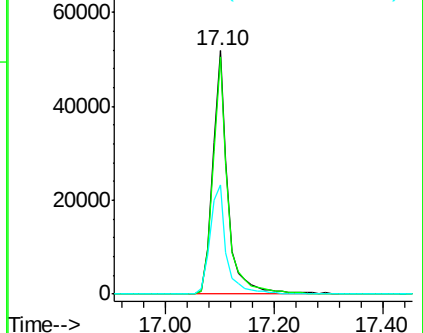
141 48.1 29.7 44.5#

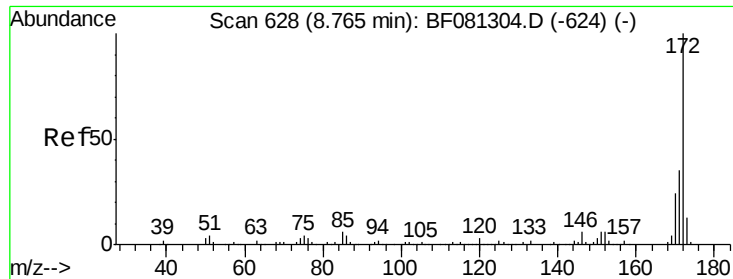


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

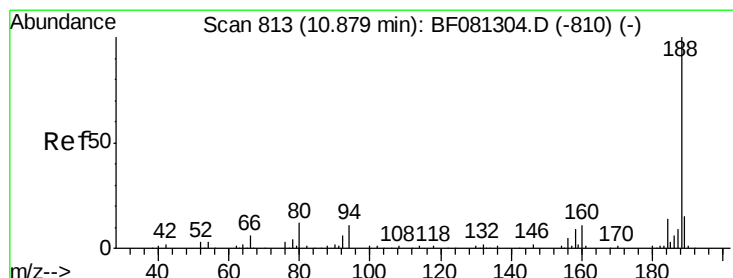
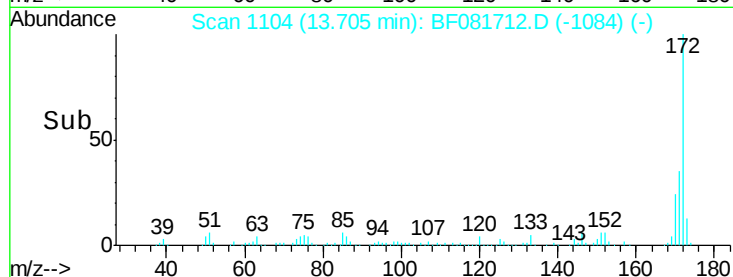
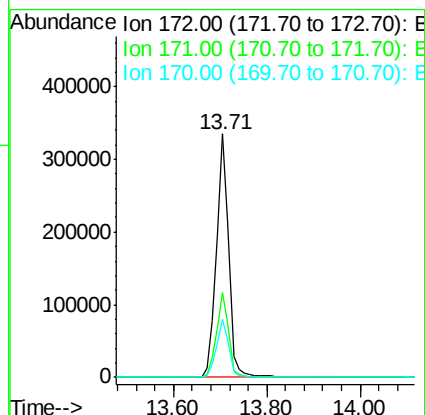
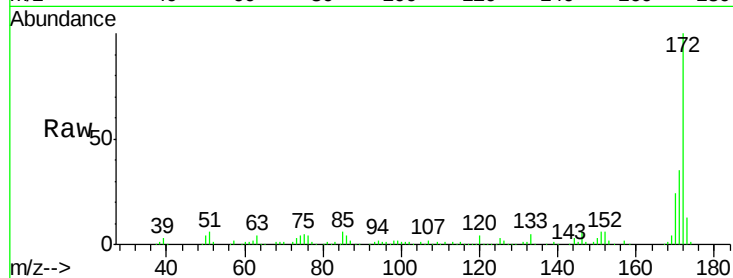




#44  
 2-Fluorobiphenyl  
 Concen: 111.18 ng  
 RT: 13.71 min Scan# 1104  
 Delta R.T. -0.07 min  
 Lab File: BF081712.D  
 Acq: 21 Sep 2015 13:33

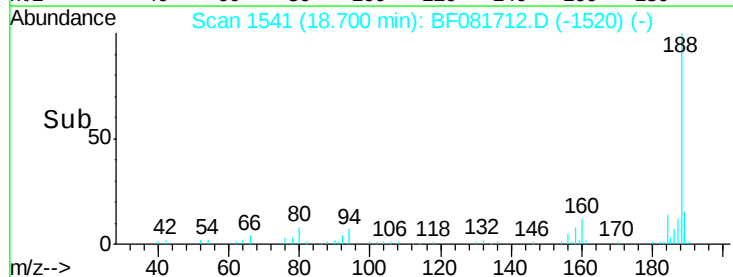
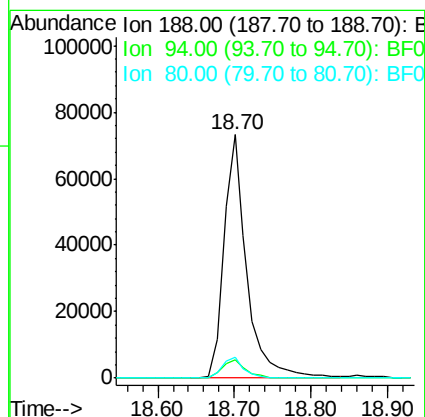
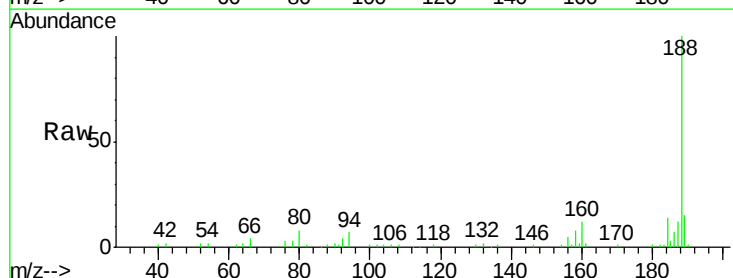
Instrument :  
 BNA\_F  
 ClientSampled :  
 PW-1

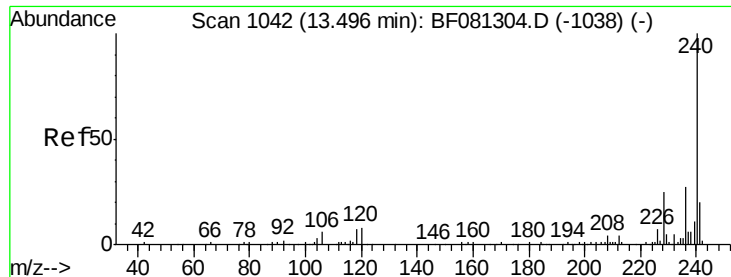
Tgt Ion:172 Resp: 618001  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 26.1 39.1  
 170 23.7 17.4 26.2



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 18.70 min Scan# 1541  
 Delta R.T. -0.06 min  
 Lab File: BF081712.D  
 Acq: 21 Sep 2015 13:33

Tgt Ion:188 Resp: 151888  
 Ion Ratio Lower Upper  
 188 100  
 94 7.5 11.1 16.7#  
 80 8.4 11.0 16.4#

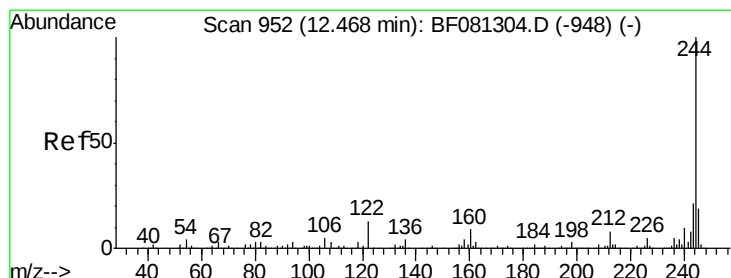
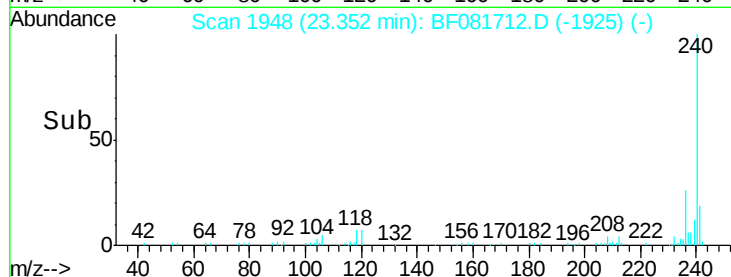
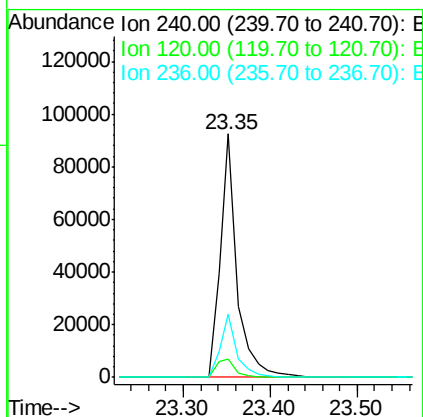
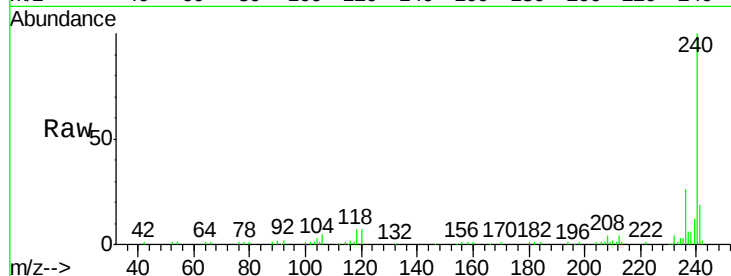




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 23.35 min Scan# 1948  
 Delta R.T. -0.03 min  
 Lab File: BF081712.D  
 Acq: 21 Sep 2015 13:33

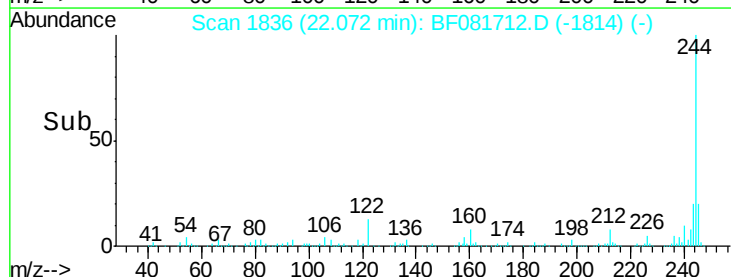
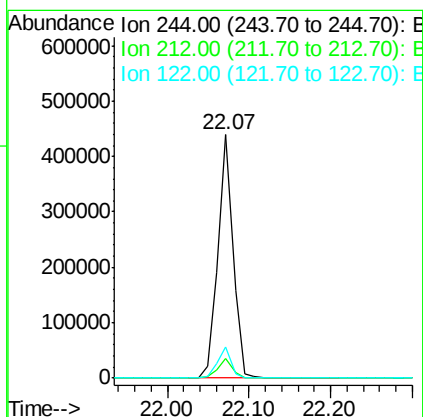
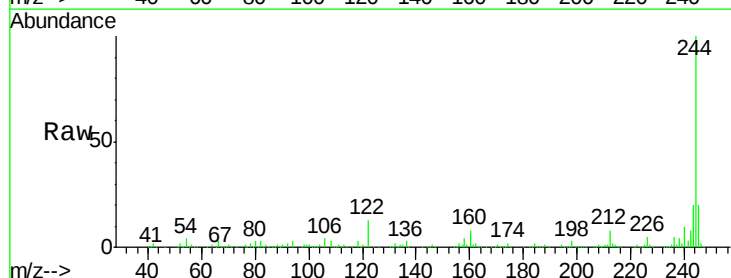
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PW-1

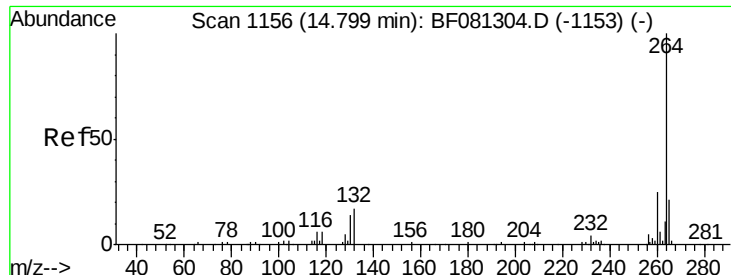
Tgt Ion:240 Resp: 124846  
 Ion Ratio Lower Upper  
 240 100  
 120 7.3 16.2 24.2#  
 236 26.0 18.4 27.6



#78  
 Terphenyl-d14  
 Concen: 105.27 ng  
 RT: 22.07 min Scan# 1836  
 Delta R.T. -0.04 min  
 Lab File: BF081712.D  
 Acq: 21 Sep 2015 13:33

Tgt Ion:244 Resp: 564594  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 4.3 6.5#  
 122 12.8 17.4 26.2#

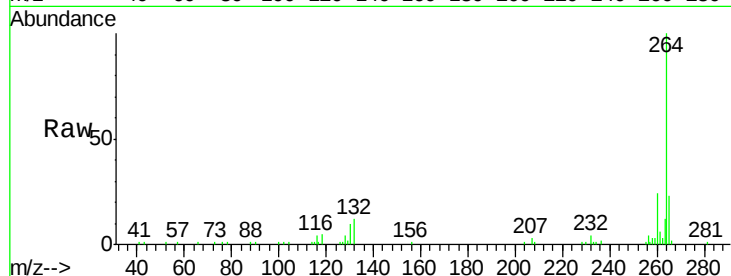




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.79 min Scan# 2074  
Delta R.T. -0.02 min  
Lab File: BF081712.D  
Acq: 21 Sep 2015 13:33

Instrument :  
BNA\_F  
ClientSampleId :  
PW-1

Tgt Ion: 264 Resp: 87606  
Ion Ratio Lower Upper  
264 100  
260 24.2 16.7 25.1  
265 22.5 17.2 25.8



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

