

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063016\  
 Data File : BF088542.D  
 Acq On : 30 Jun 2016 21:27  
 Operator : UM/SJ  
 Sample : PB91726BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91726BL

Quant Time: Jul 01 01:30:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 30 18:01:55 2016  
 Response via : Initial Calibration

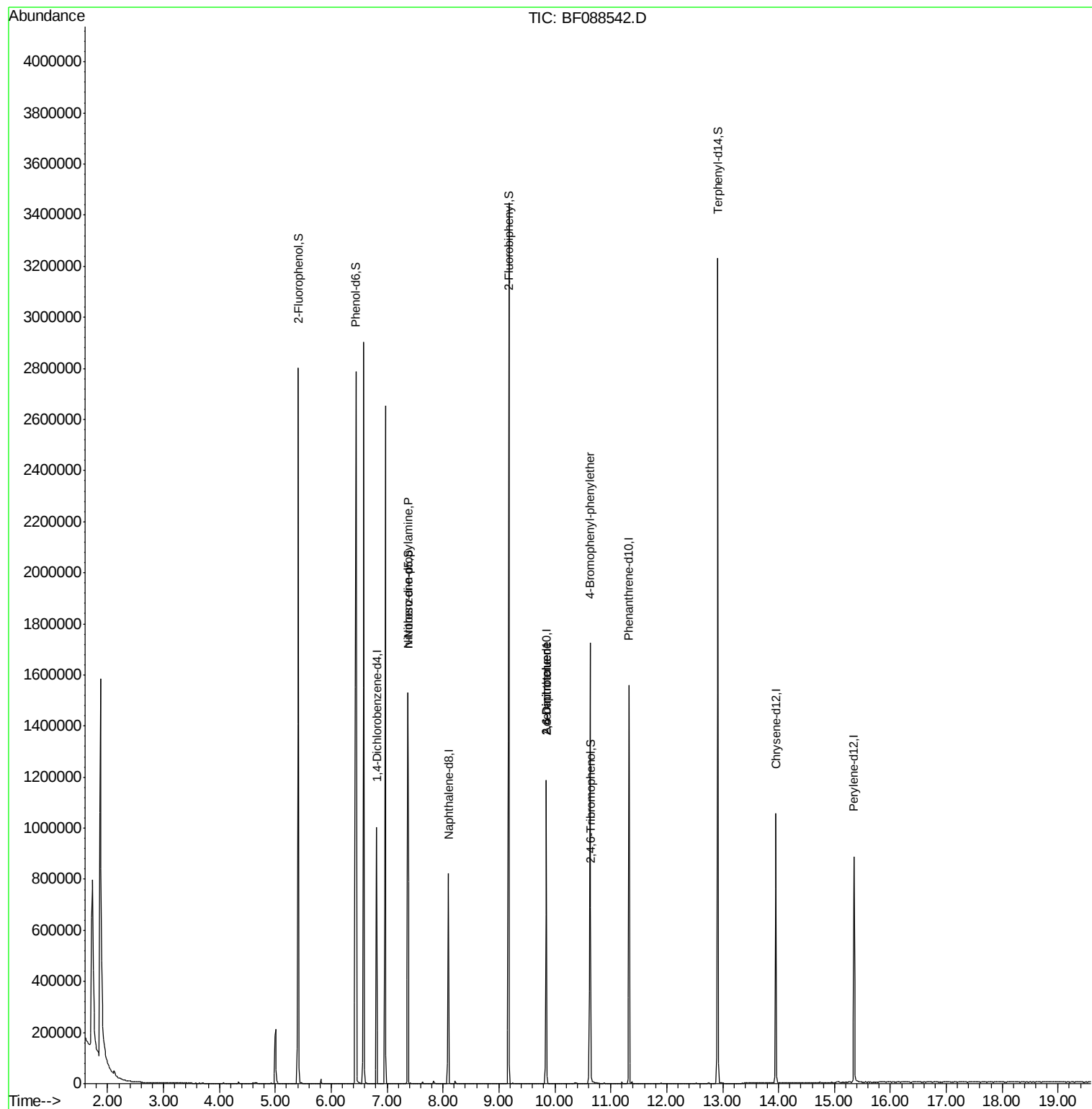
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 136316   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.10  | 136  | 568915   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 274347   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 521636   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.95 | 240  | 453838   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.35 | 264  | 385034   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 832914   | 91.57 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.44  | 99   | 1161644  | 98.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 663345   | 61.10 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 238597   | 93.66 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.18  | 172  | 1112904  | 64.08 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.91 | 244  | 1050749  | 51.57 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 86833    | 11.00 | ng    | # 75     |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165  | 34608    | 7.99  | ng    | # 40     |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 34610    | 6.11  | ng    | # 38     |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248  | 14300    | 2.72  | ng    | # 1      |

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

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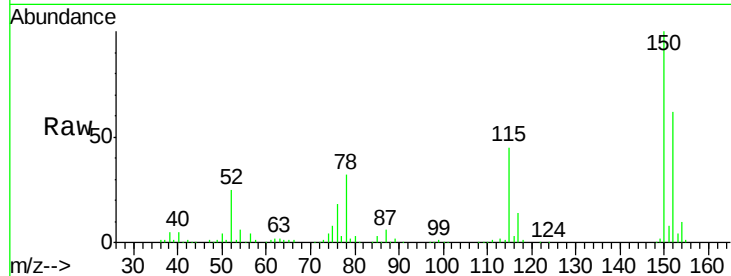


#1

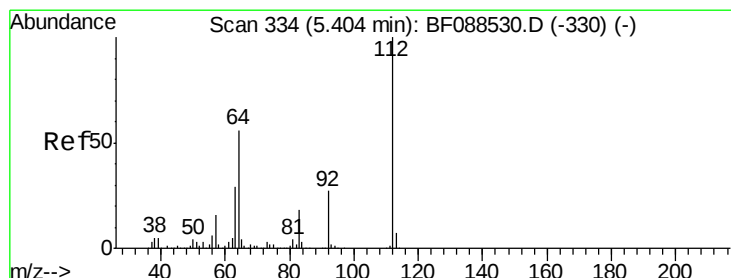
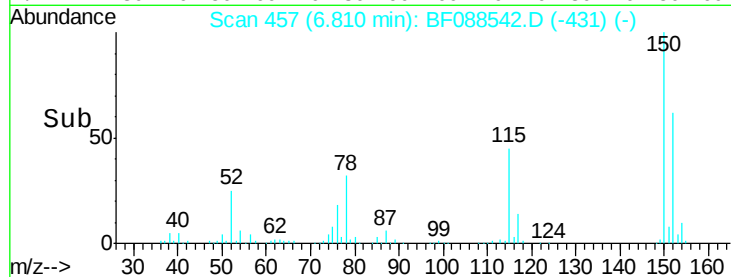
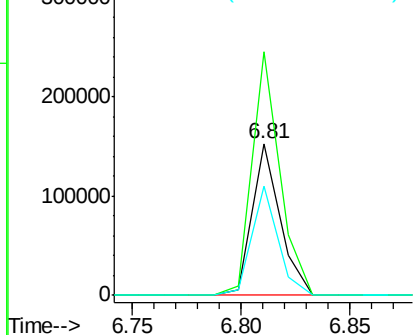
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: BF088542.D  
Acq: 30 Jun 2016 21:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB91726BL

Tgt Ion:152 Resp: 136316  
Ion Ratio Lower Upper  
152 100  
150 160.5 123.8 185.6  
115 72.0 39.6 59.4#



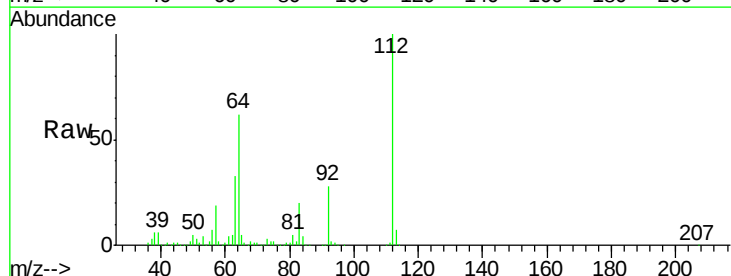
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



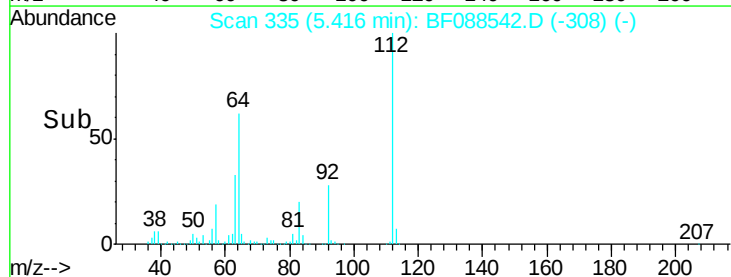
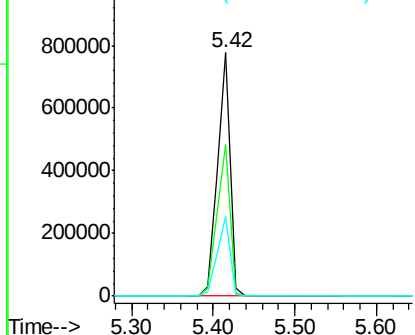
#5

2-Fluorophenol  
Concen: 91.57 ng  
RT: 5.42 min Scan# 335  
Delta R.T. 0.01 min  
Lab File: BF088542.D  
Acq: 30 Jun 2016 21:27

Tgt Ion:112 Resp: 832914  
Ion Ratio Lower Upper  
112 100  
64 62.4 42.2 63.2  
63 32.6 21.8 32.8



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: 98.84 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

Instrument :

BNA\_F

ClientSampleId :

PB91726BL

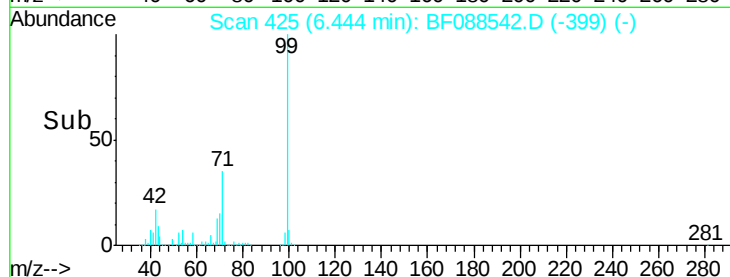
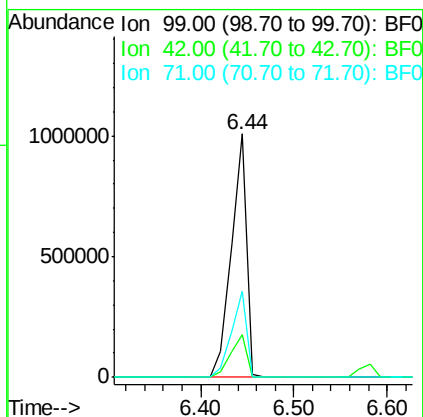
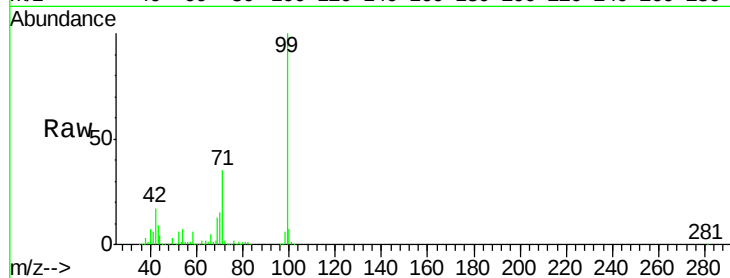
Tgt Ion: 99 Resp: 1161644

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 35.2 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.00 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.14 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

Tgt Ion: 70 Resp: 86833

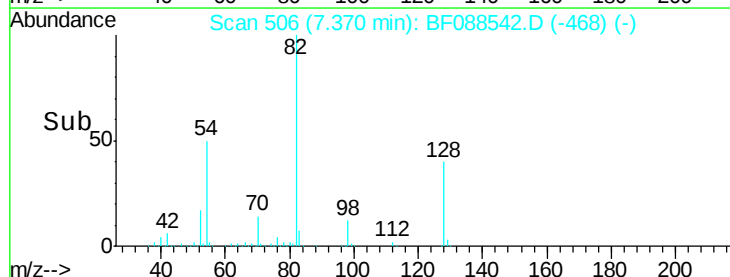
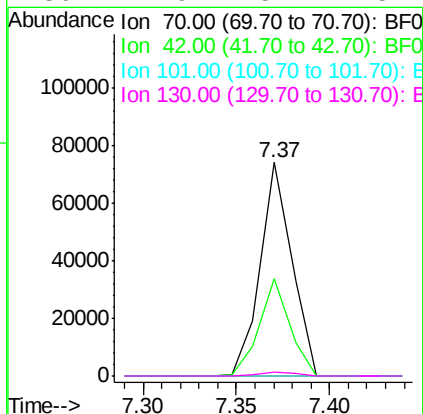
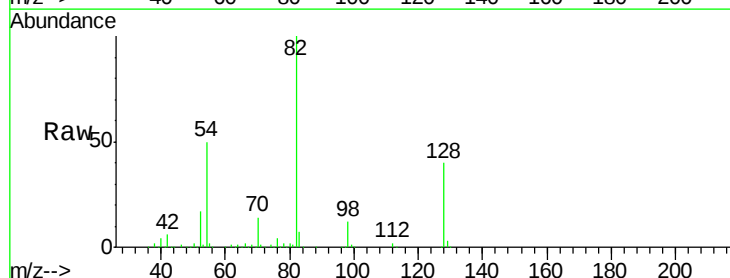
Ion Ratio Lower Upper

70 100

42 45.6 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

Instrument :

BNA\_F

ClientSampleId :

PB91726BL

Tgt Ion: 136 Resp: 568915

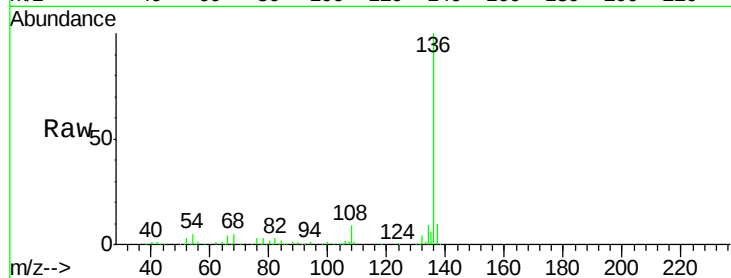
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.4 6.6 10.0#

68 5.0 5.1 7.7#

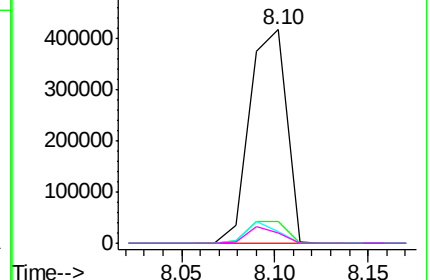
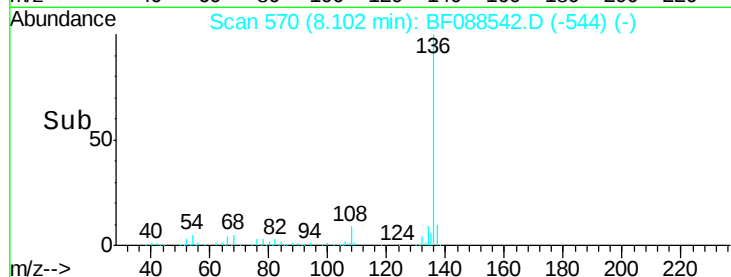


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.10 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

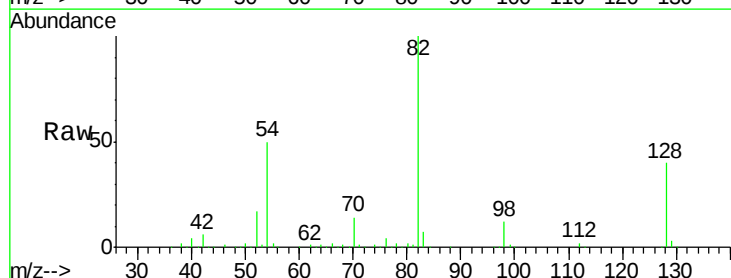
Tgt Ion: 82 Resp: 663345

Ion Ratio Lower Upper

82 100

128 39.7 35.9 53.9

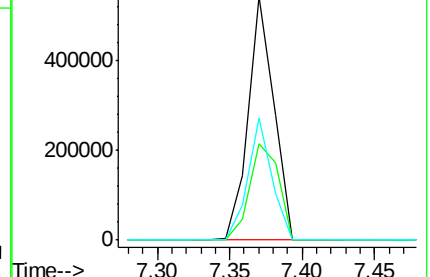
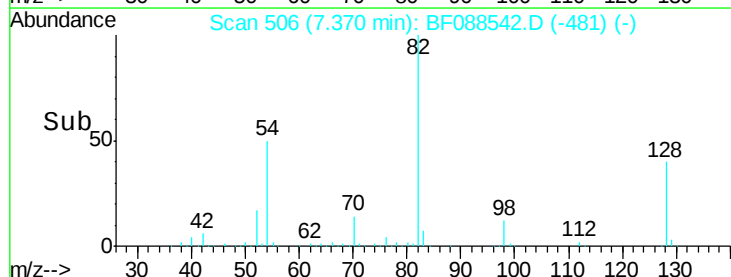
54 49.9 40.9 61.3

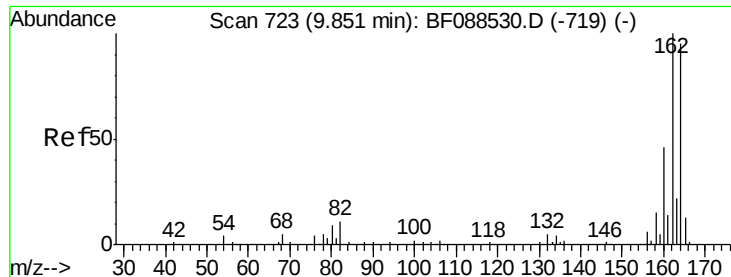


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.85 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

Instrument :

BNA\_F

ClientSampleId :

PB91726BL

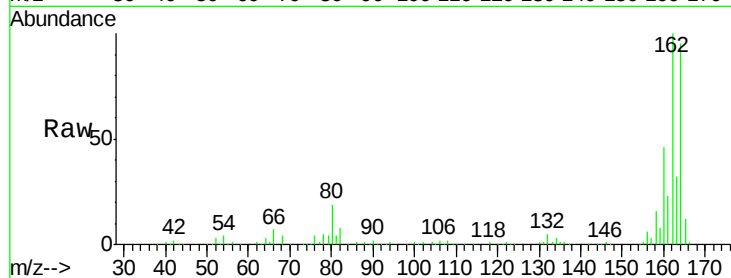
Tgt Ion:164 Resp: 274347

Ion Ratio Lower Upper

164 100

162 105.8 85.4 128.2

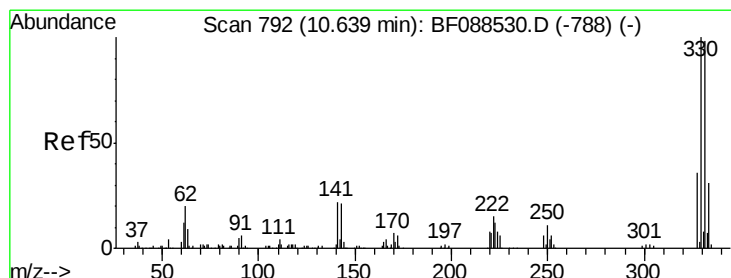
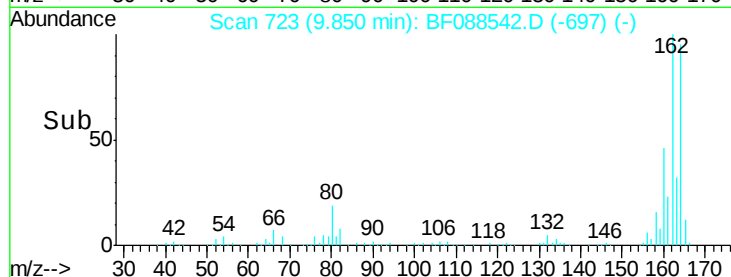
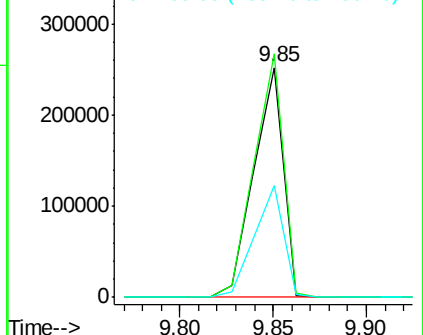
160 48.3 39.5 59.3



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: 93.66 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

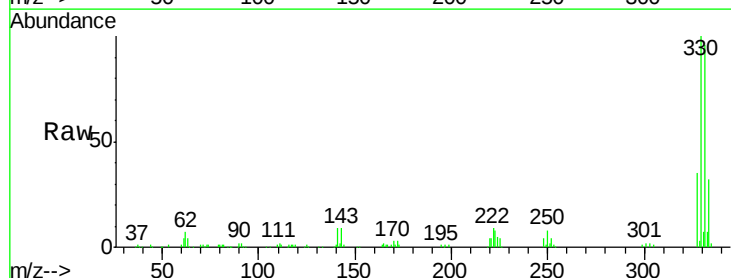
Tgt Ion:330 Resp: 238597

Ion Ratio Lower Upper

330 100

332 95.6 0.0 0.0#

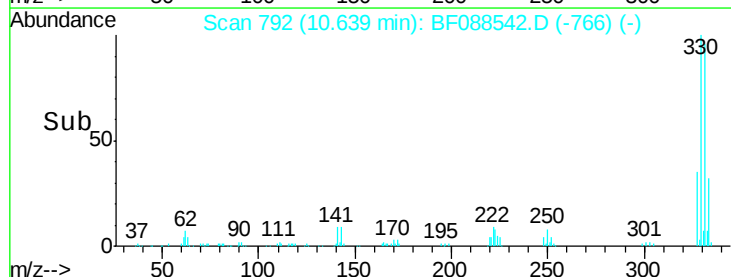
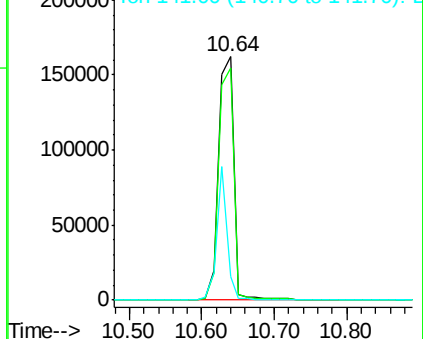
141 37.0 0.0 0.0#



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

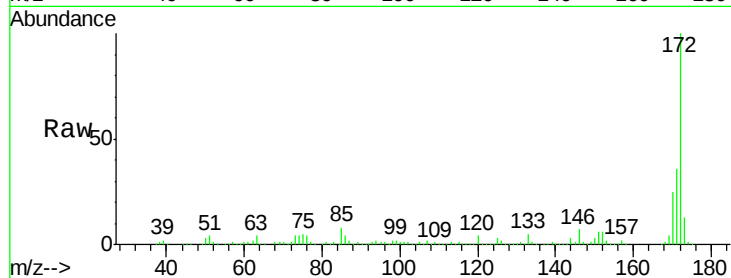




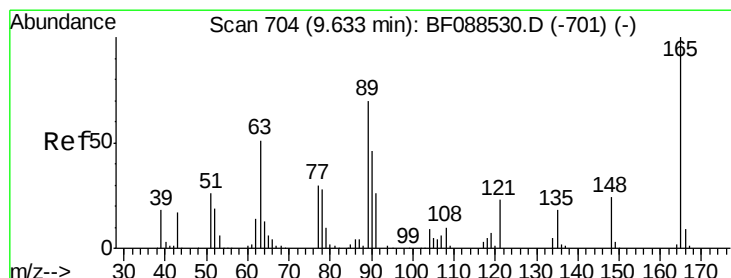
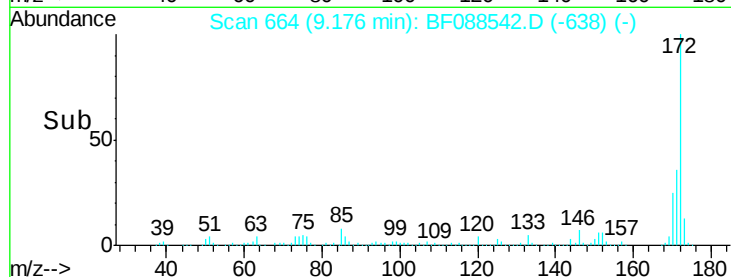
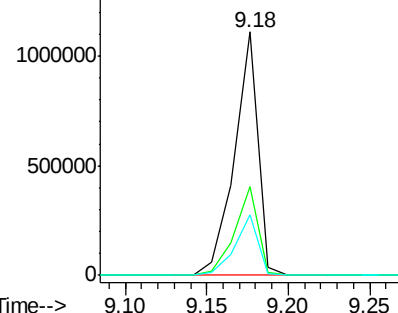
#44  
 2-Fluorobiphenyl  
 Concen: 64.08 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. -0.00 min  
 Lab File: BF088542.D  
 Acq: 30 Jun 2016 21:27

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB91726BL

Tgt Ion:172 Resp: 1112904  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 28.6 43.0  
 170 24.8 19.2 28.8

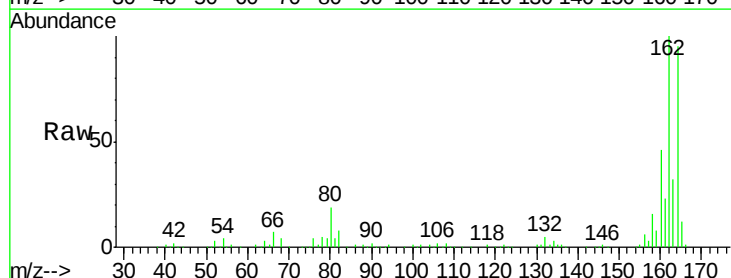


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

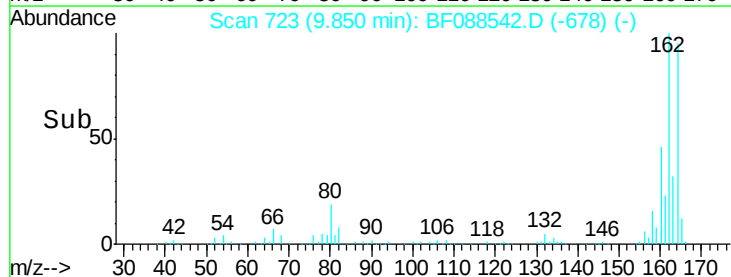
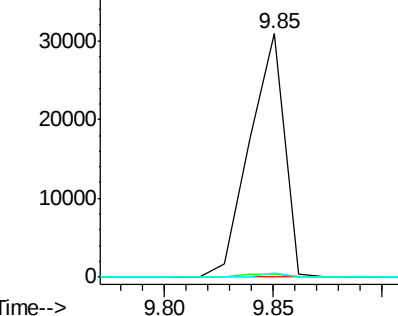


#50  
 2,6-Dinitrotoluene  
 Concen: 7.99 ng  
 RT: 9.85 min Scan# 723  
 Delta R.T. 0.22 min  
 Lab File: BF088542.D  
 Acq: 30 Jun 2016 21:27

Tgt Ion:165 Resp: 34608  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 28.1 42.1#  
 89 1.9 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.18 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

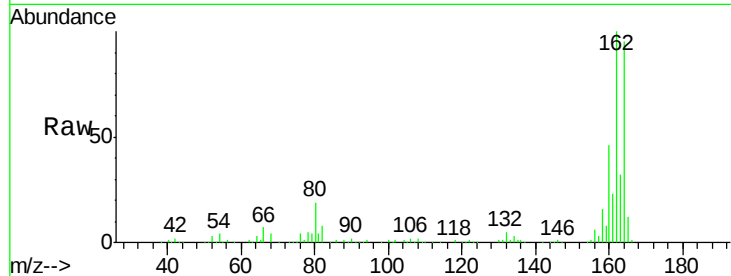
Instrument :

BNA\_F

ClientSampleId :

PB91726BL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 34610 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 1.4   | 22.0  | 33.0# |
| 89        | 1.9   | 41.1  | 61.7# |
| 182       | 0.0   | 2.0   | 3.0#  |

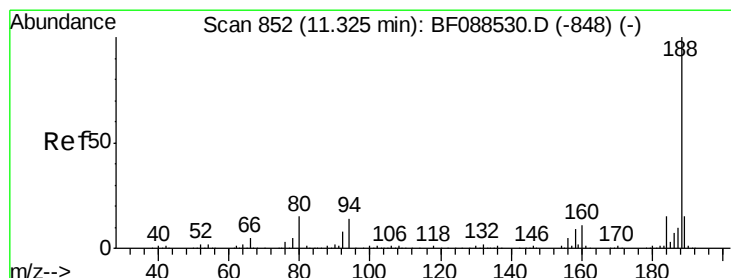
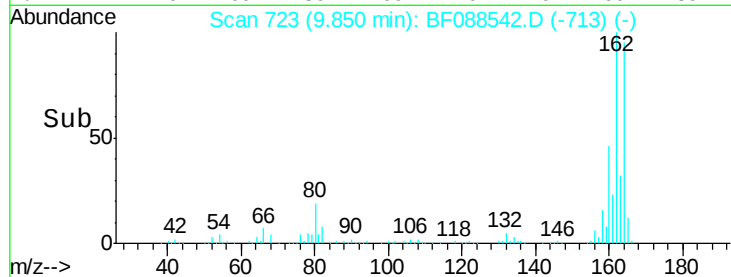
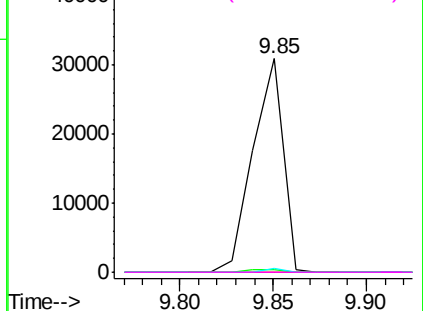


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

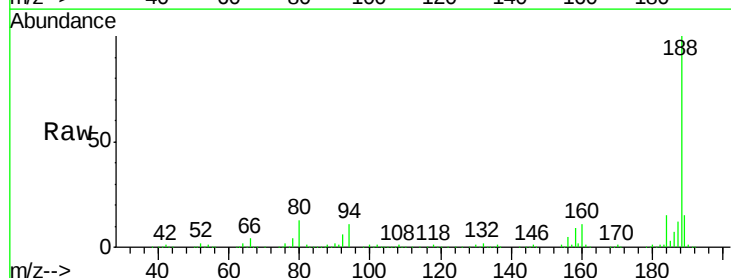
RT: 11.32 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

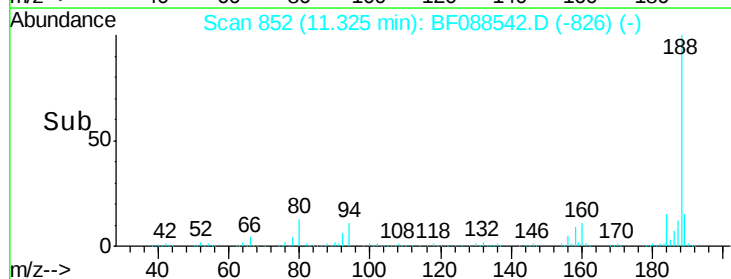
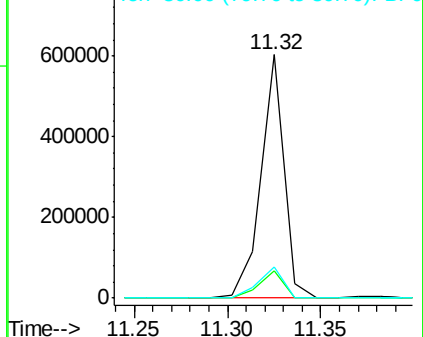
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 521636 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 11.4  | 9.0   | 13.6   |
| 80        | 12.7  | 10.0  | 15.0   |

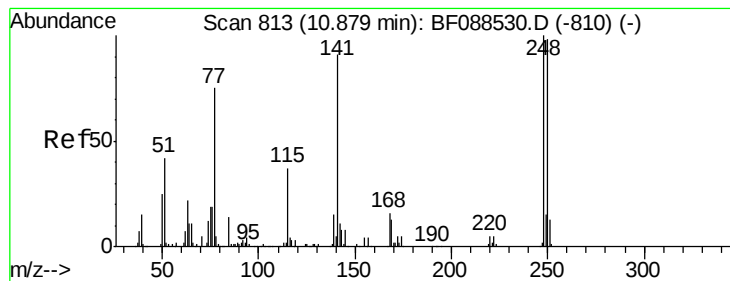


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.72 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.25 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

Instrument :

BNA\_F

ClientSampleId :

PB91726BL

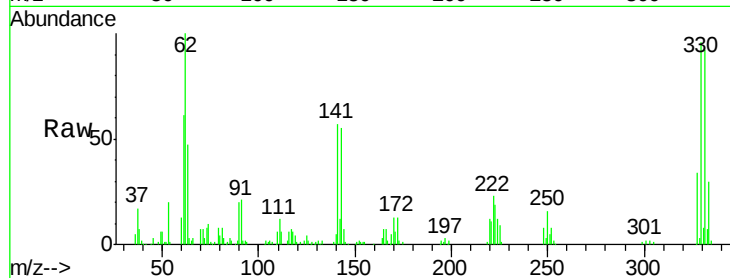
Tgt Ion:248 Resp: 14300

Ion Ratio Lower Upper

248 100

250 196.1 77.1 115.7#

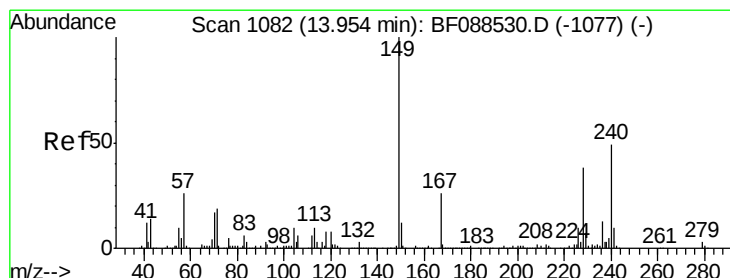
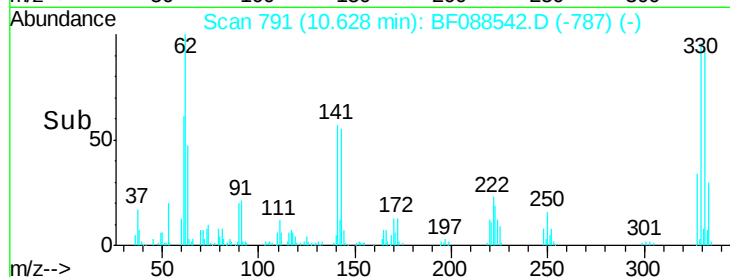
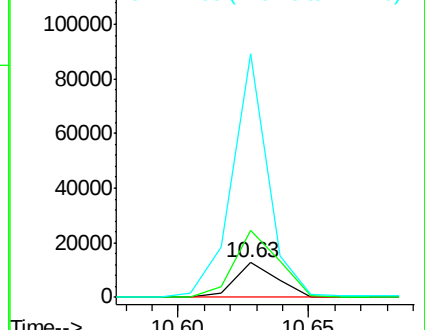
141 707.1 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088542.D

Acq: 30 Jun 2016 21:27

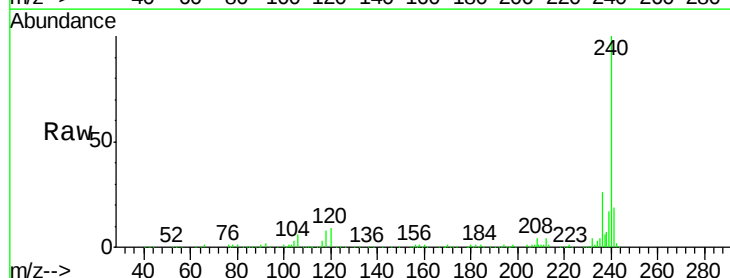
Tgt Ion:240 Resp: 453838

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

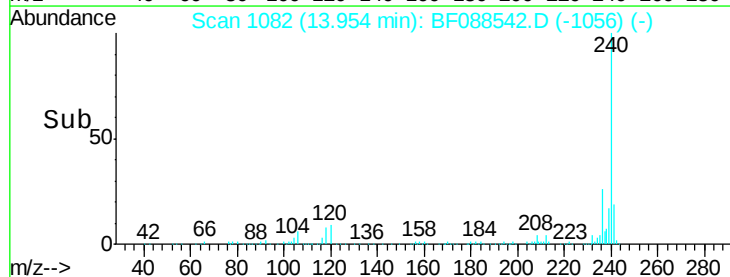
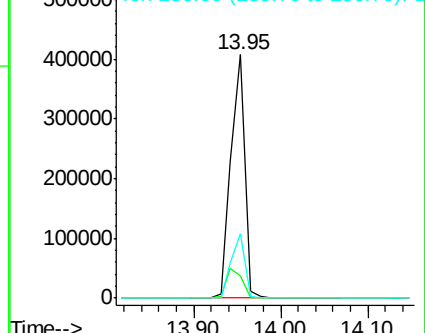
236 26.4 20.2 30.2

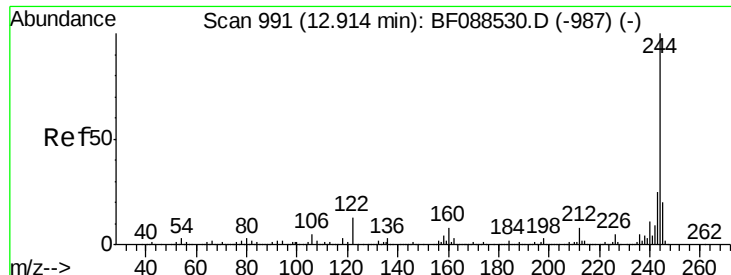


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

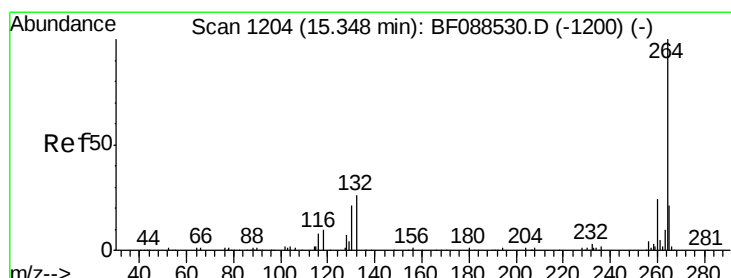
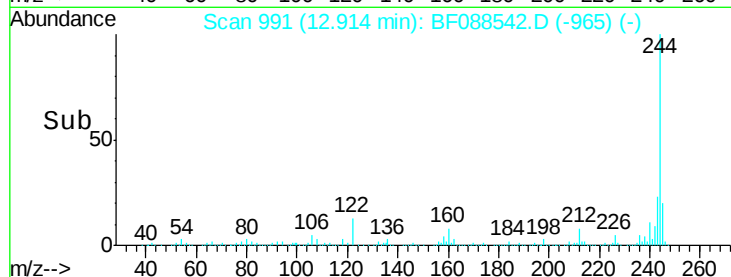
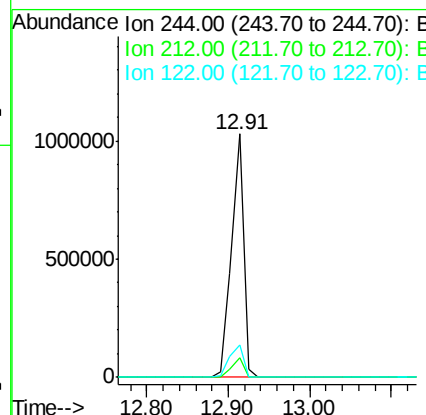
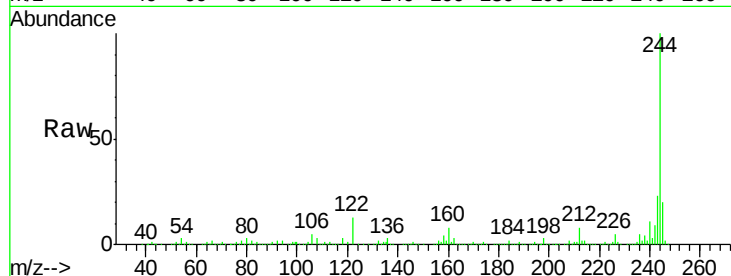




#78  
 Terphenyl-d14  
 Concen: 51.57 ng  
 RT: 12.91 min Scan# 991  
 Delta R.T. -0.00 min  
 Lab File: BF088542.D  
 Acq: 30 Jun 2016 21:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91726BL

Tgt Ion:244 Resp: 1050749  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.0 9.0  
 122 13.1 11.2 16.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.35 min Scan# 1204  
 Delta R.T. -0.00 min  
 Lab File: BF088542.D  
 Acq: 30 Jun 2016 21:27

Tgt Ion:264 Resp: 385034  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 21.4 16.9 25.3

