

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100715\  
 Data File : BF082106.D  
 Acq On : 7 Oct 2015 16:00  
 Operator : UM/IZ  
 Sample : PB85936BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85936BL

Quant Time: Oct 08 02:50:48 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 08 02:46:05 2015  
 Response via : Initial Calibration

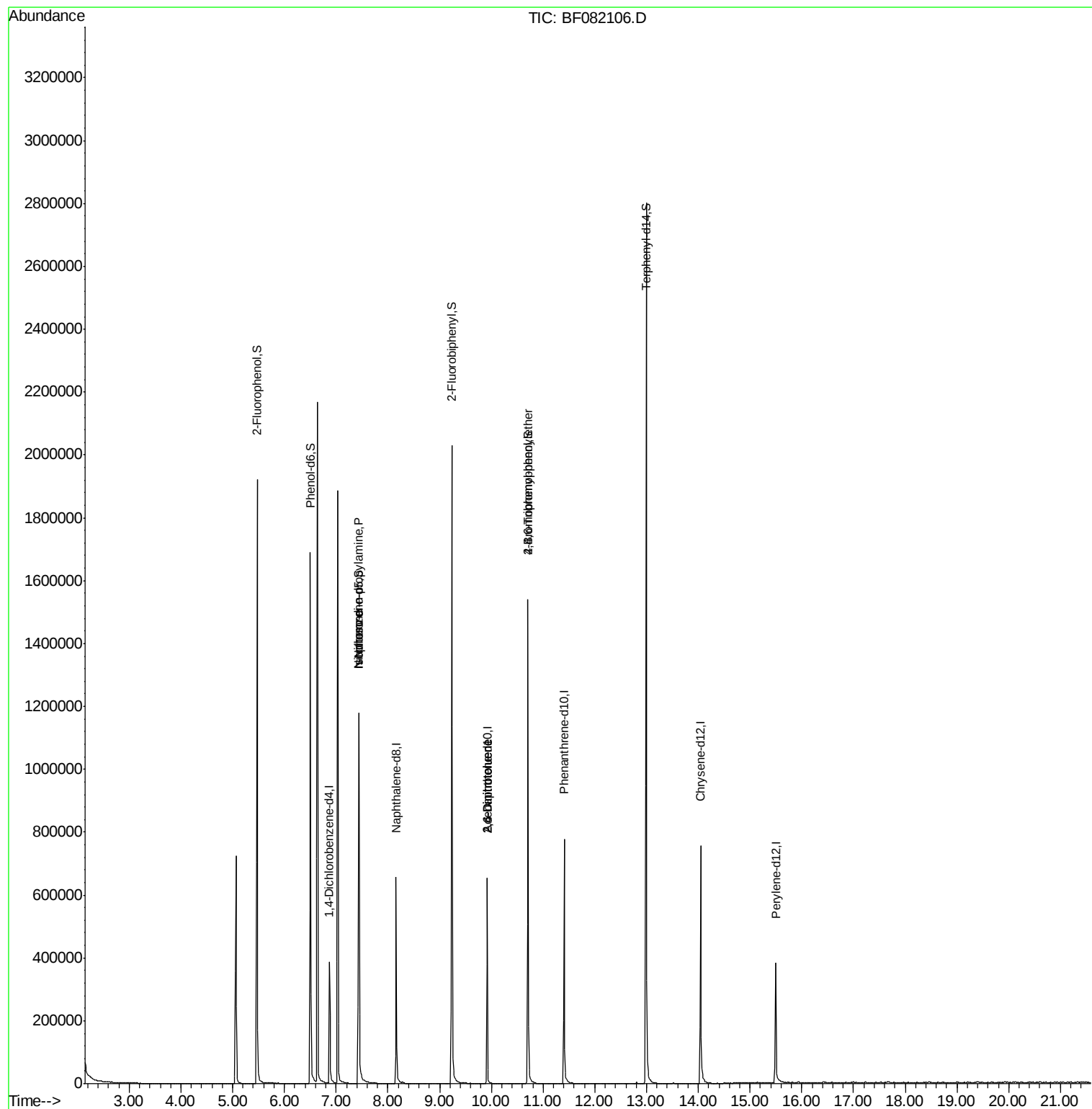
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 85170    | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.16  | 136  | 352654   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 177651   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.41 | 188  | 365445   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 14.05 | 240  | 346170   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.50 | 264  | 267692   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 572549   | 122.03    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.50  | 99   | 693910   | 117.54    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 460539   | 87.05     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 209651   | 116.53    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.23  | 172  | 904952   | 85.30     | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.00 | 244  | 1025542  | 100.78    | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70   | 58218    | 16.22     | ng    | # 58     |
| 25) Isophorone                 | 7.44  | 82   | 400565   | 38.20     | ng    | # 58     |
| 50) 2,6-Dinitrotoluene         | 9.92  | 165  | 21686    | 8.15      | ng    | # 37     |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 21687    | 6.39      | ng    | # 31     |
| 57) Fluorene                   | 10.71 | 166  | 9773     | Below Cal |       | # 87     |
| 66) 4-Bromophenyl-phenylether  | 10.71 | 248  | 13787    | 3.74      | ng    | # 1      |

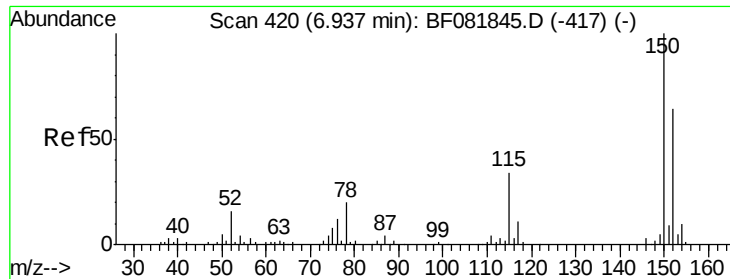
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF082106.D

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Instrument :

BNA\_F

ClientSampleId :

PB85936BL

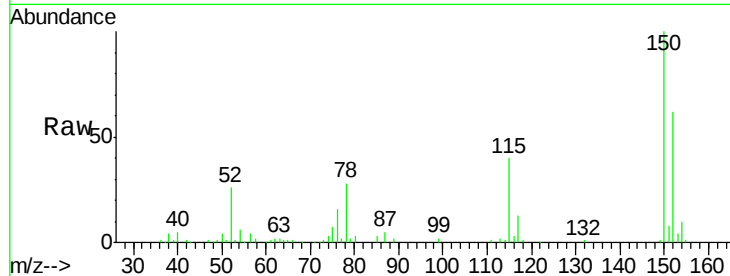
Tot Ion:152 Resp: 85170

Ion Ratio Lower Upper

152 100

150 162.1 124.7 187.1

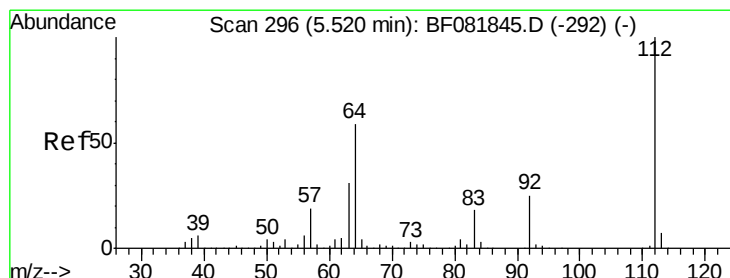
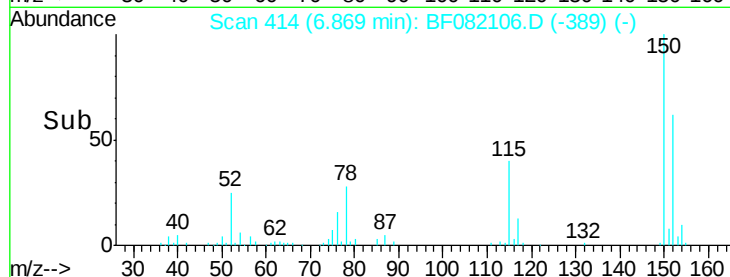
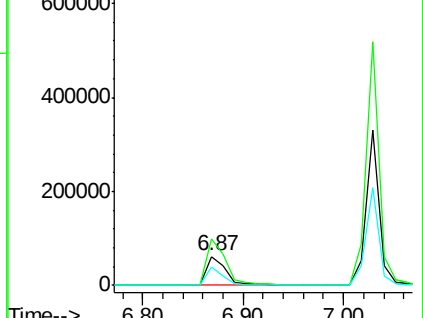
115 64.6 39.0 58.4#



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



#5

2-Fluorophenol

Concen: 122.03 ng

RT: 5.47 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

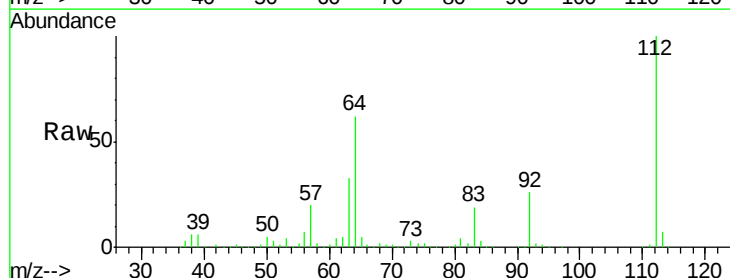
Tgt Ion:112 Resp: 572549

Ion Ratio Lower Upper

112 100

64 62.4 39.7 59.5#

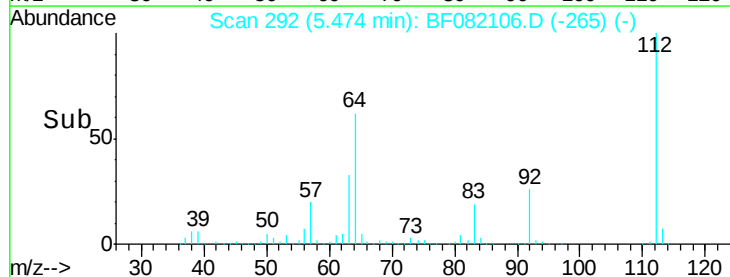
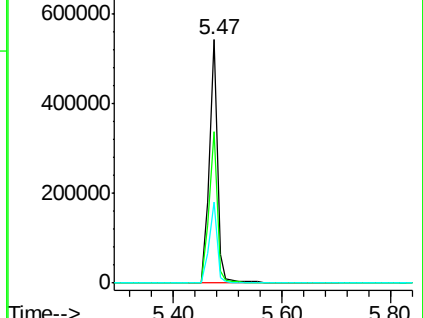
63 33.1 17.4 26.0#

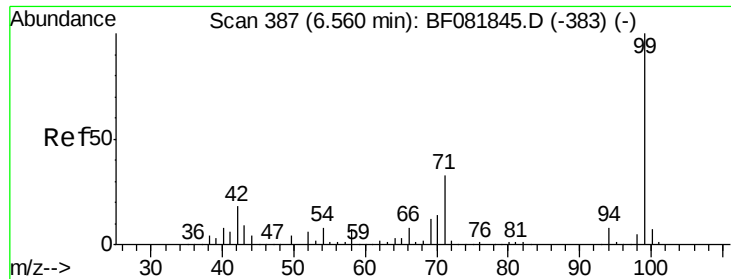


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.54 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

Instrument :

BNA\_F

ClientSampleId :

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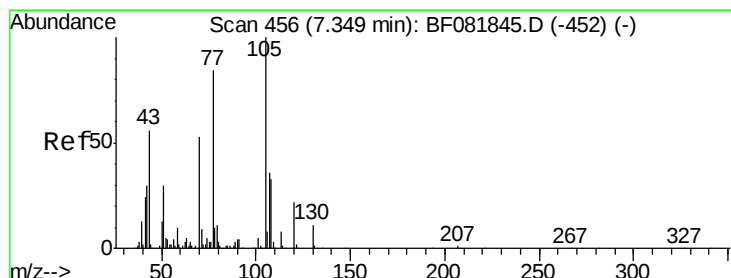
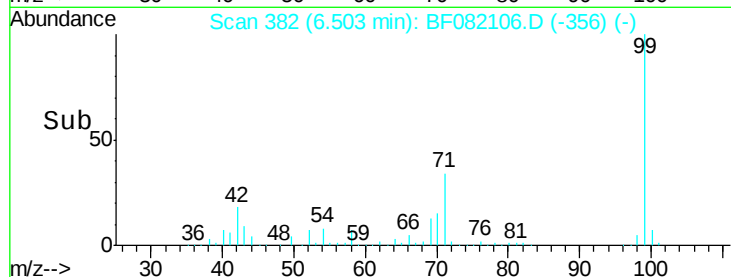
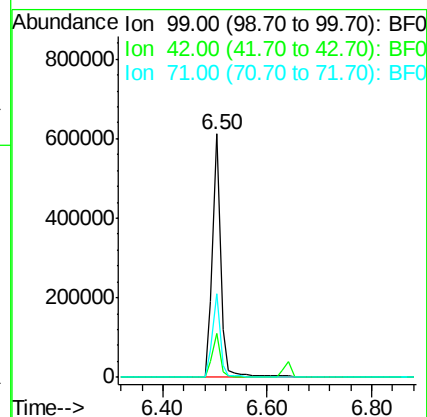
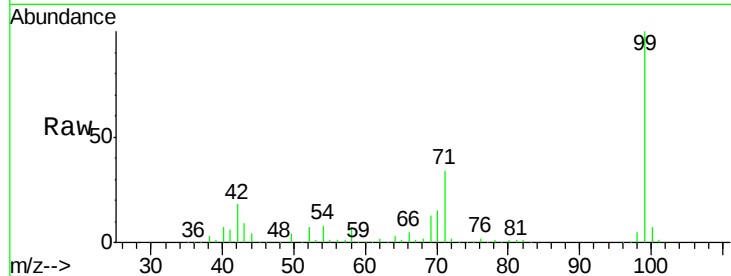
Tot Ion: 99 Resp: 693910

Ion Ratio Lower Upper

99 100

42 18.1 13.7 20.5

71 34.3 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 16.22 ng

RT: 7.44 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

Tgt Ion: 70 Resp: 58218

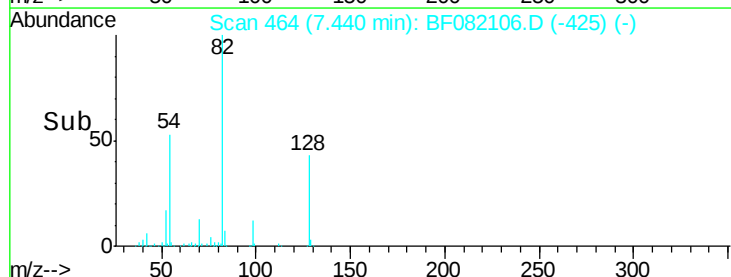
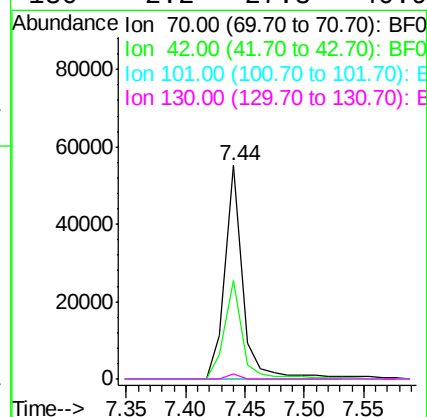
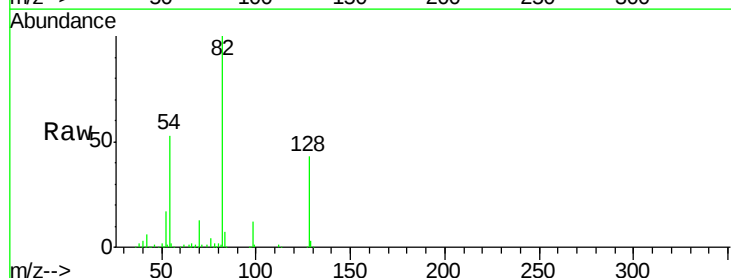
Ion Ratio Lower Upper

70 100

42 46.1 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#

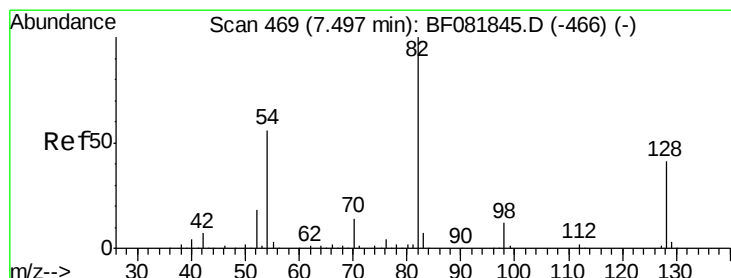
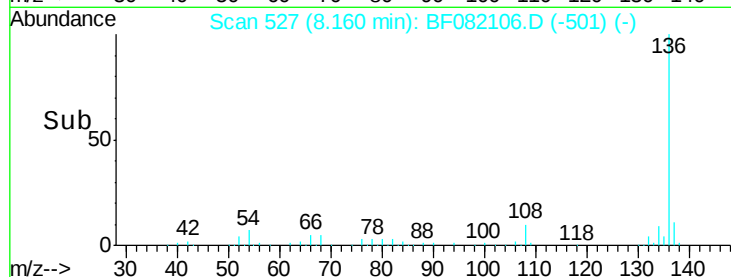
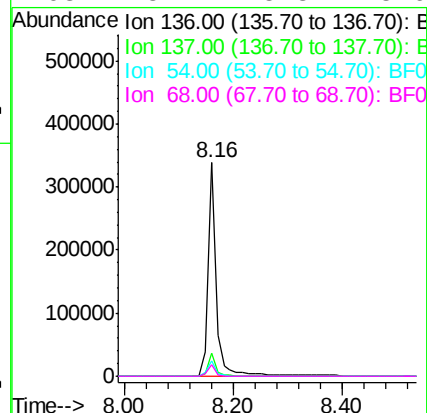
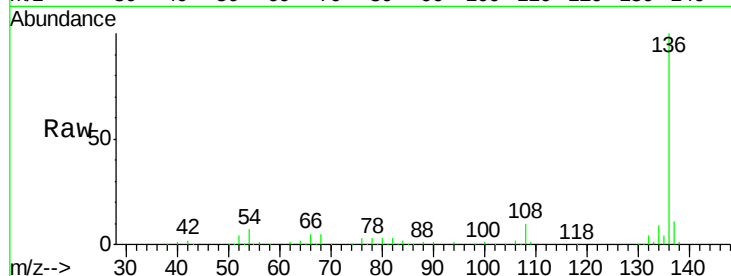




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.16 min Scan# 527  
Delta R.T. -0.00 min  
Lab File: BF082106.D  
Acq: 7 Oct 2015 16:00

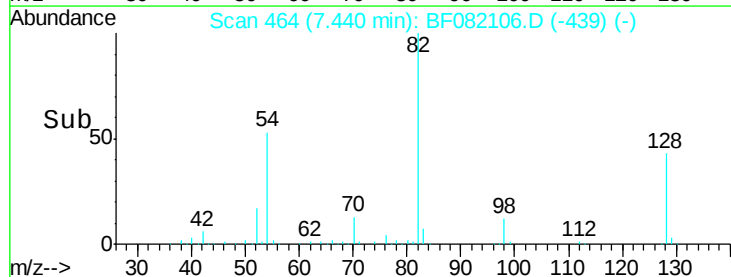
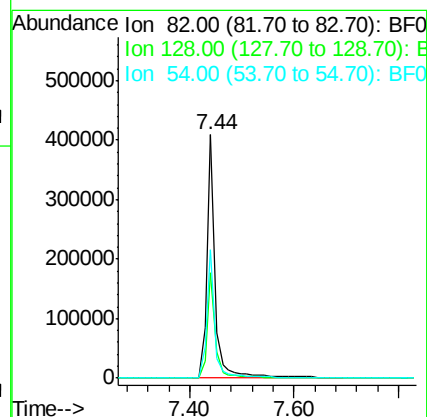
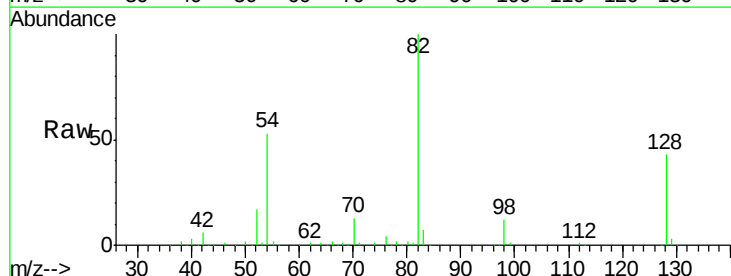
Instrument :  
BNA\_F  
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PB85936BL

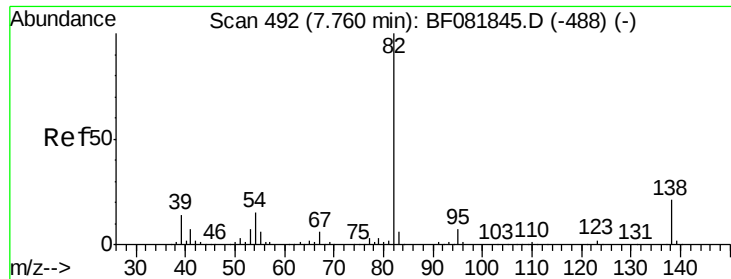
Tot Ion:136 Resp: 352654  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.6  
54 7.5 8.2 12.2#  
68 5.2 5.8 8.6#



#23  
Nitrobenzene-d5  
Concen: 87.05 ng  
RT: 7.44 min Scan# 464  
Delta R.T. -0.01 min  
Lab File: BF082106.D  
Acq: 7 Oct 2015 16:00

Tgt Ion: 82 Resp: 460539  
Ion Ratio Lower Upper  
82 100  
128 43.3 51.0 76.6#  
54 52.9 47.5 71.3





#25

Isophorone

Concen: 38.20 ng

RT: 7.44 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

Instrument :

BNA\_F

ClientSampleId :

PB85936BL

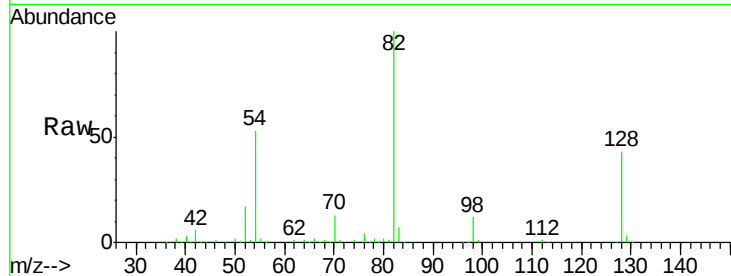
Tot Ion: 82 Resp: 400565

Ion Ratio Lower Upper

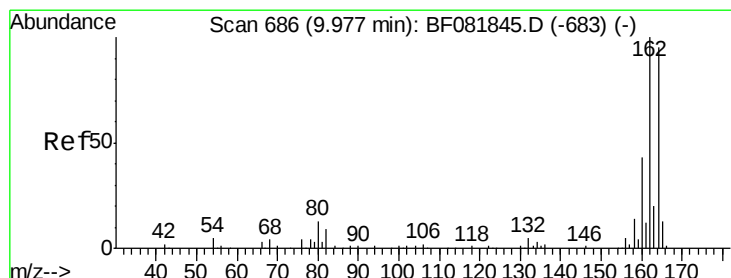
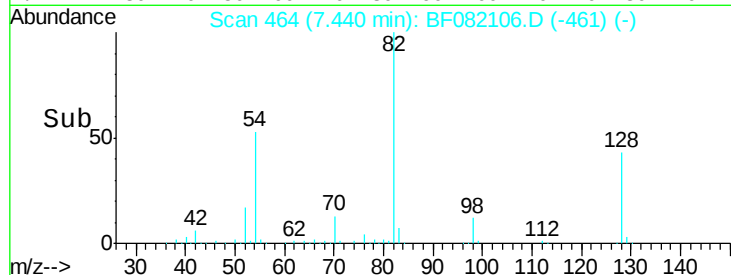
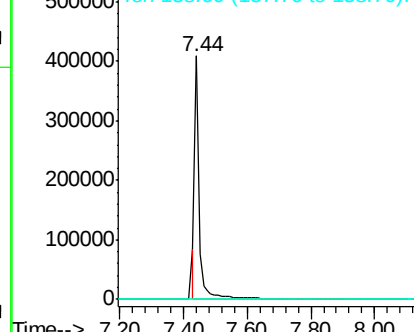
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

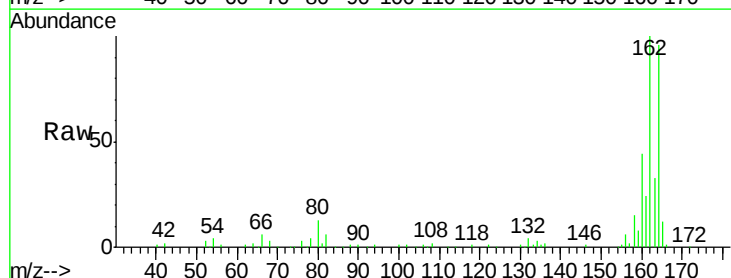
Tgt Ion:164 Resp: 177651

Ion Ratio Lower Upper

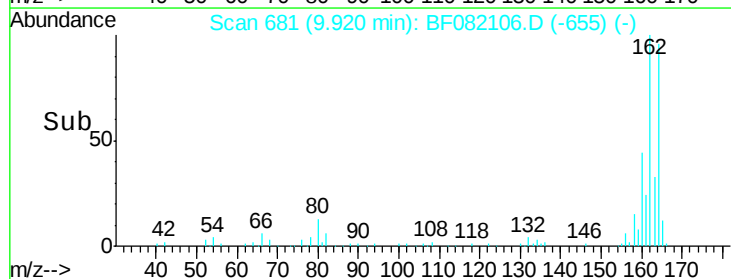
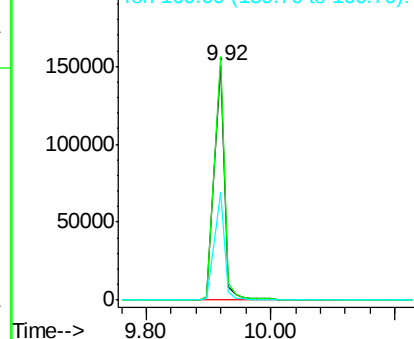
164 100

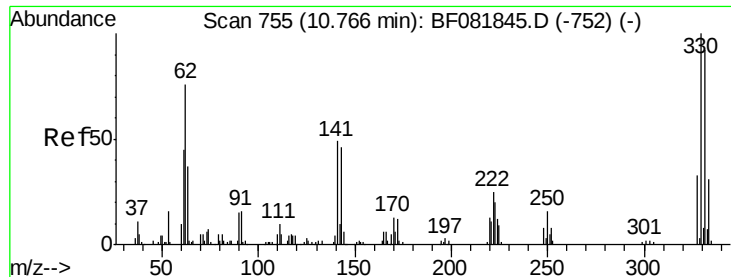
162 103.8 75.2 112.8

160 46.1 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

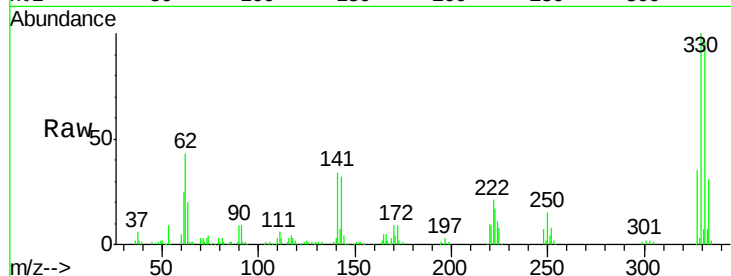




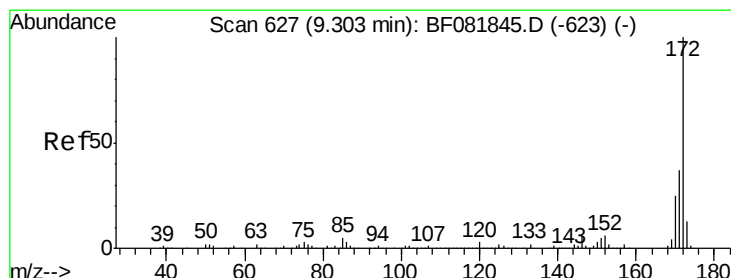
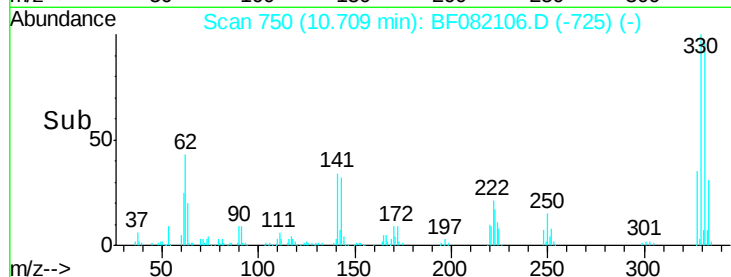
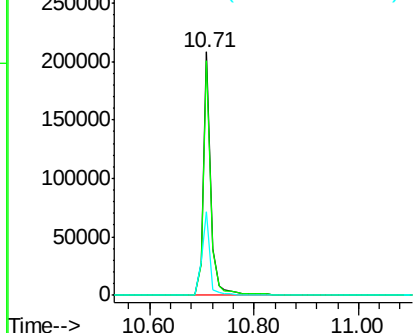
#41  
 2,4,6-Tribromophenol  
 Concen: 116.53 ng  
 RT: 10.71 min Scan# 750  
 Delta R.T. -0.01 min  
 Lab File: BF082106.D  
 Acq: 7 Oct 2015 16:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB85936BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 76.6  | 114.8 |
| 141     | 37.3  | 29.7  | 44.5  |

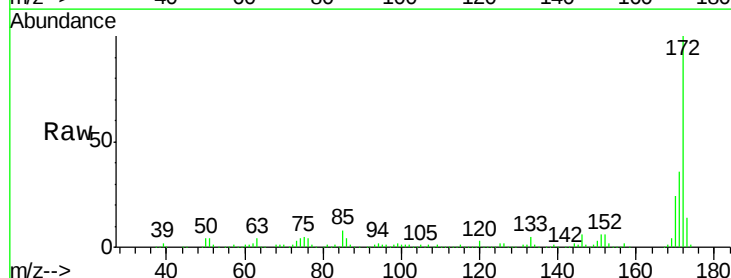


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

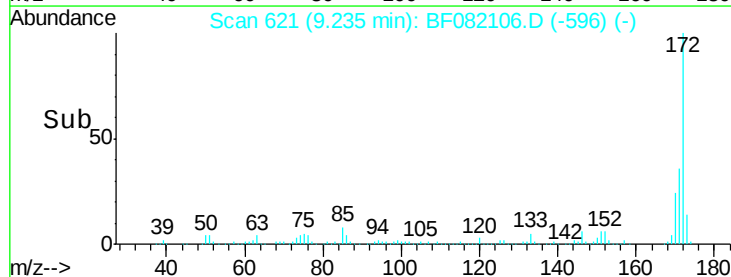
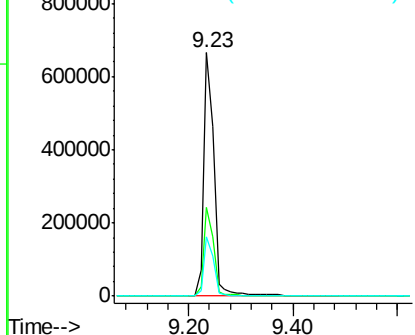


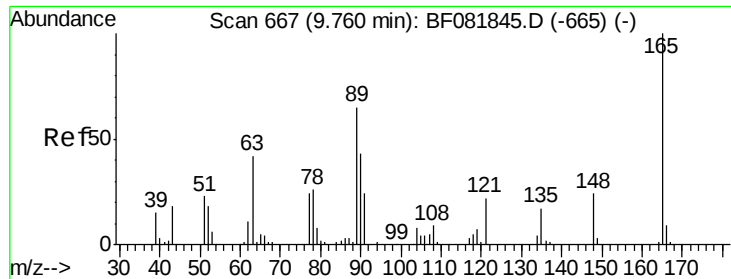
#44  
 2-Fluorobiphenyl  
 Concen: 85.30 ng  
 RT: 9.23 min Scan# 621  
 Delta R.T. -0.01 min  
 Lab File: BF082106.D  
 Acq: 7 Oct 2015 16:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 26.1  | 39.1  |
| 170     | 24.1  | 17.4  | 26.2  |



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

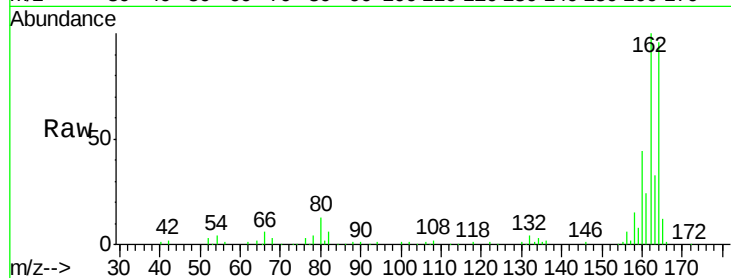




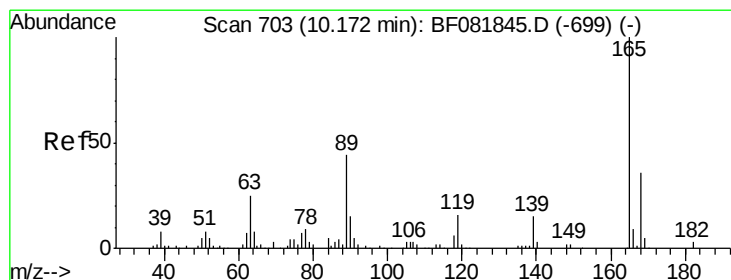
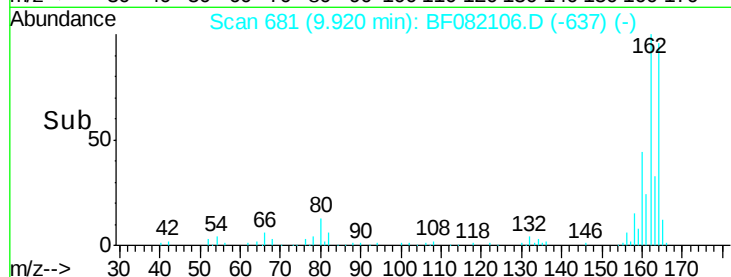
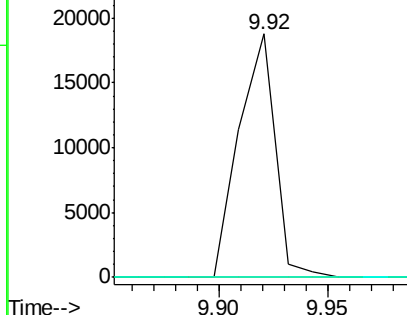
#50  
 2,6-Dinitrotoluene  
 Concen: 8.15 ng  
 RT: 9.92 min Scan# 681  
 Delta R.T. 0.21 min  
 Lab File: BF082106.D  
 Acq: 7 Oct 2015 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85936BL

Tot Ion:165 Resp: 21686  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 32.3 48.5#  
 89 0.0 28.6 43.0#

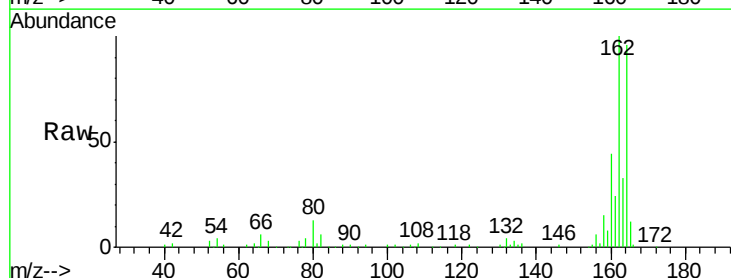


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

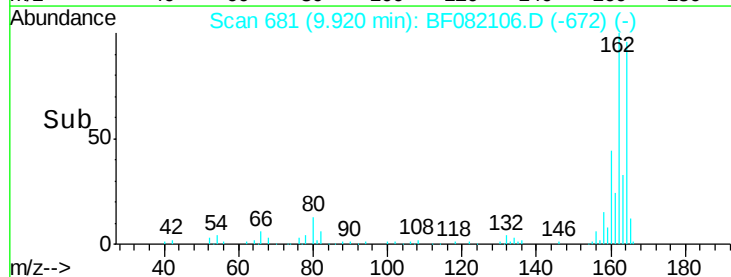
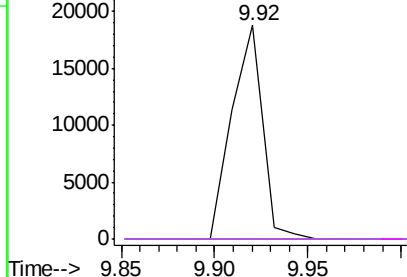


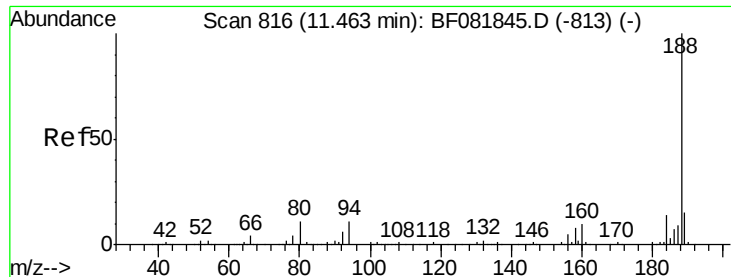
#56  
 2,4-Dinitrotoluene  
 Concen: 6.39 ng  
 RT: 9.92 min Scan# 681  
 Delta R.T. -0.19 min  
 Lab File: BF082106.D  
 Acq: 7 Oct 2015 16:00

Tgt Ion:165 Resp: 21687  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 29.8 44.6#  
 89 0.0 44.5 66.7#  
 182 0.0 3.0 4.4#



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

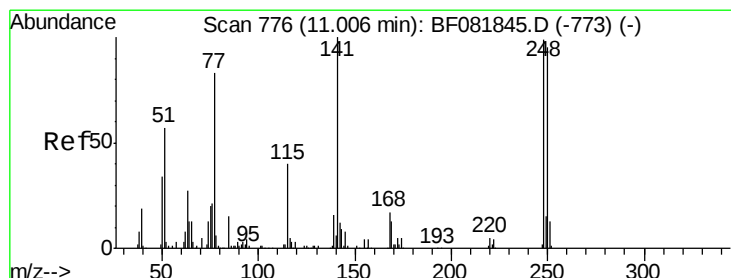
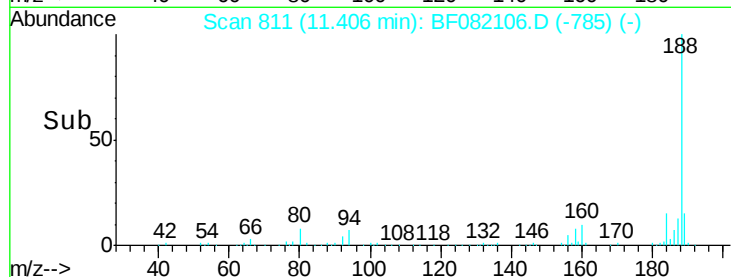
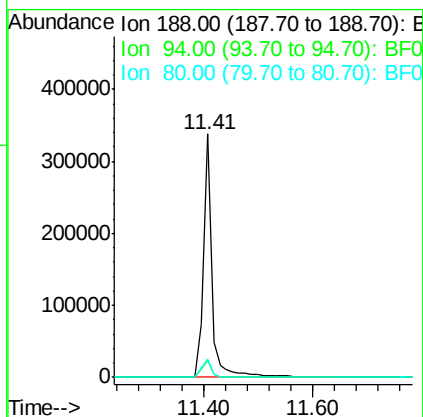
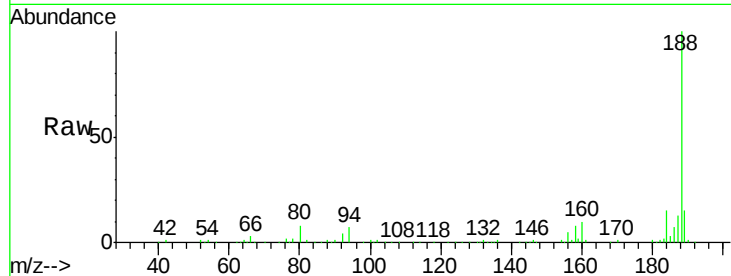




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF082106.D  
Acq: 7 Oct 2015 16:00

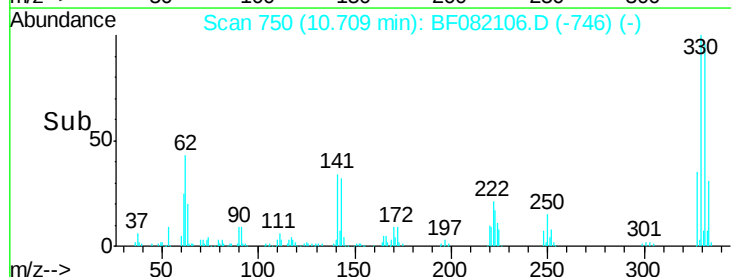
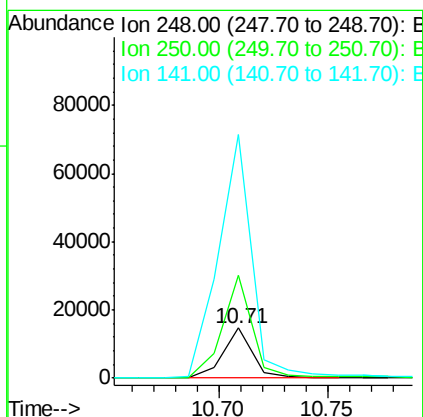
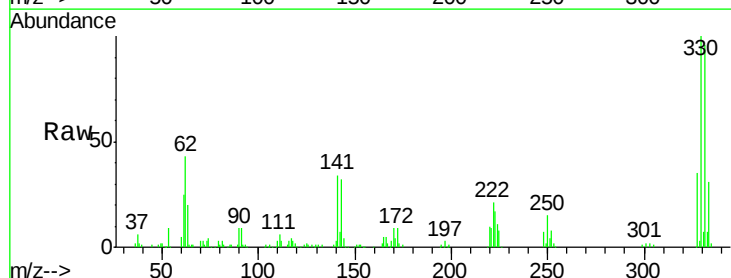
Instrument :  
BNA\_F  
ClientSampled :  
PB85936BL

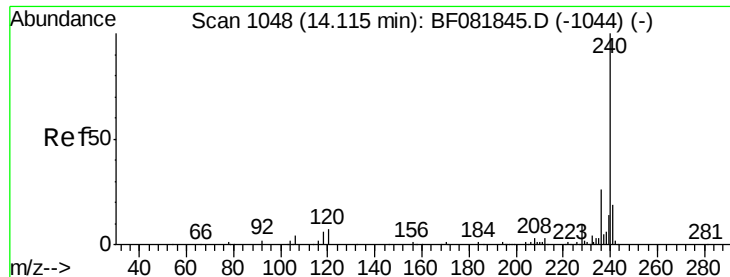
Tot Ion:188 Resp: 365445  
Ion Ratio Lower Upper  
188 100  
94 7.2 11.1 16.7#  
80 7.7 11.0 16.4#



#66  
4-Bromophenyl-phenylether  
Concen: 3.74 ng  
RT: 10.71 min Scan# 750  
Delta R.T. -0.25 min  
Lab File: BF082106.D  
Acq: 7 Oct 2015 16:00

Tgt Ion:248 Resp: 13787  
Ion Ratio Lower Upper  
248 100  
250 207.3 78.5 117.7#  
141 487.8 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

Instrument :

BNA\_F

ClientSampleID :

PB85936BL

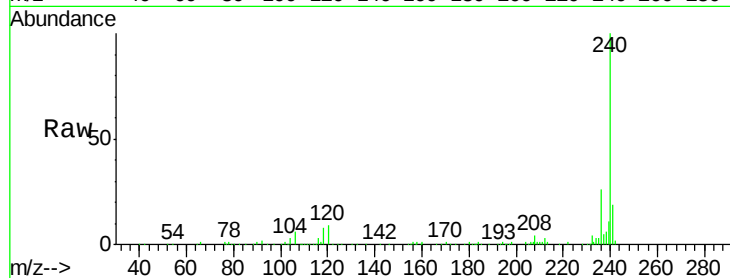
Tot Ion:240 Resp: 346170

Ion Ratio Lower Upper

240 100

120 8.6 16.2 24.2#

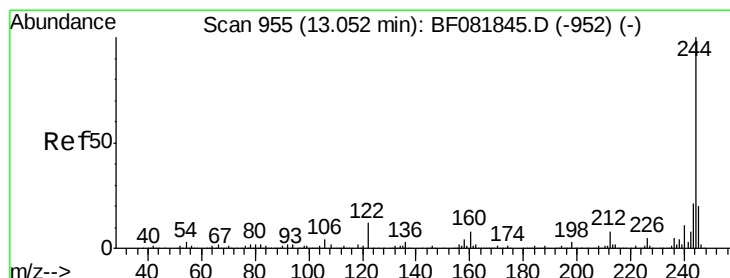
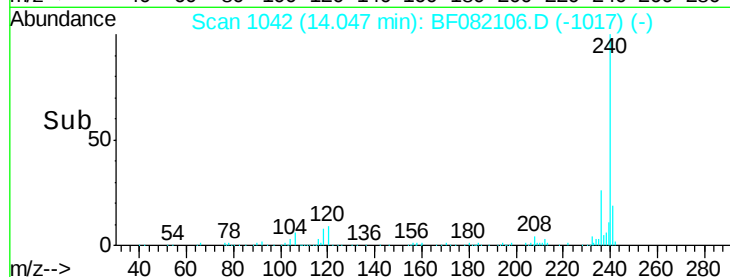
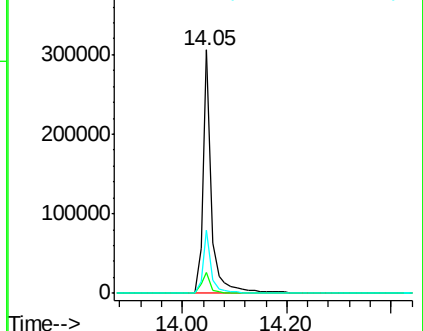
236 25.8 18.4 27.6



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: 100.78 ng

RT: 13.00 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF082106.D

Acq: 7 Oct 2015 16:00

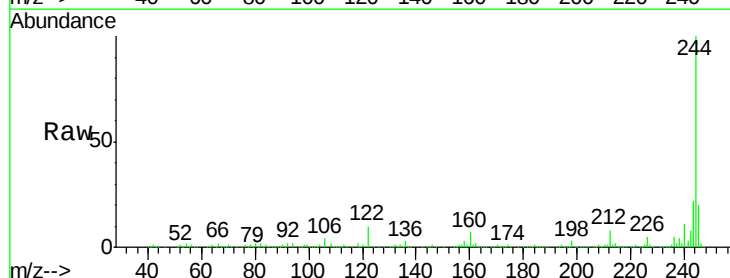
Tgt Ion:244 Resp: 1025542

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

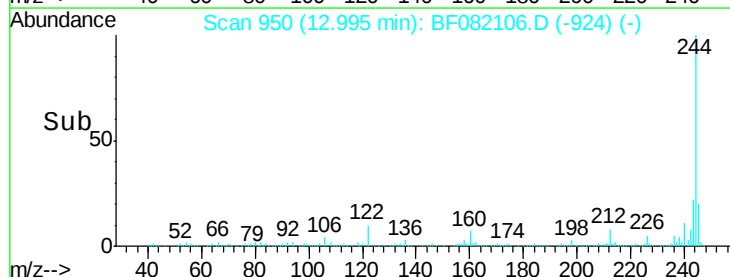
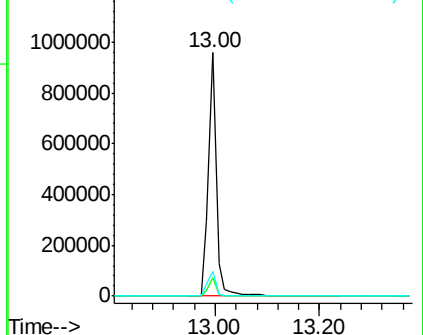
122 10.3 17.4 26.2#

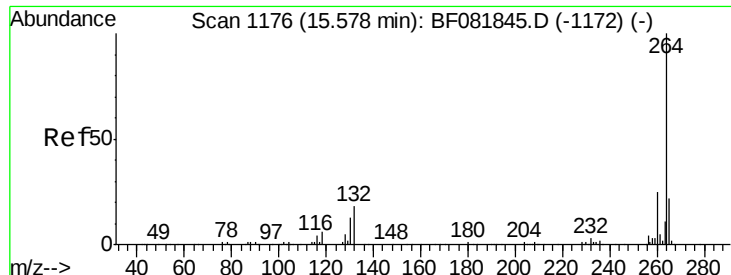


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

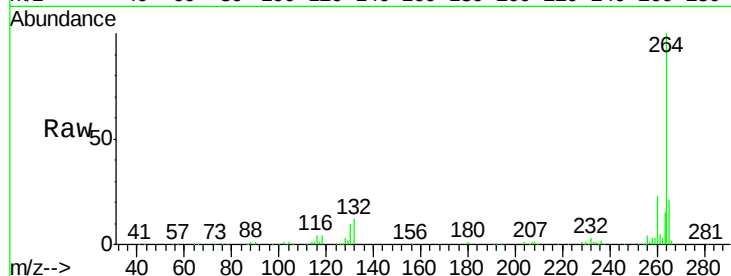




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.50 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BF082106.D  
Acq: 7 Oct 2015 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
PB85936BL

Tot Ion:264 Resp: 267692  
Ion Ratio Lower Upper  
264 100  
260 23.2 16.7 25.1  
265 21.4 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

