

Data Path : Z:\HPCHEM1\BNA F\Data\BF010917\  
 Data File : BF092135.D  
 Acq On : 9 Jan 2017 13:44  
 Operator : UM/SJ  
 Sample : PB95795BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 09 14:50:19 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 15:43:51 2017  
 Response via : Initial Calibration

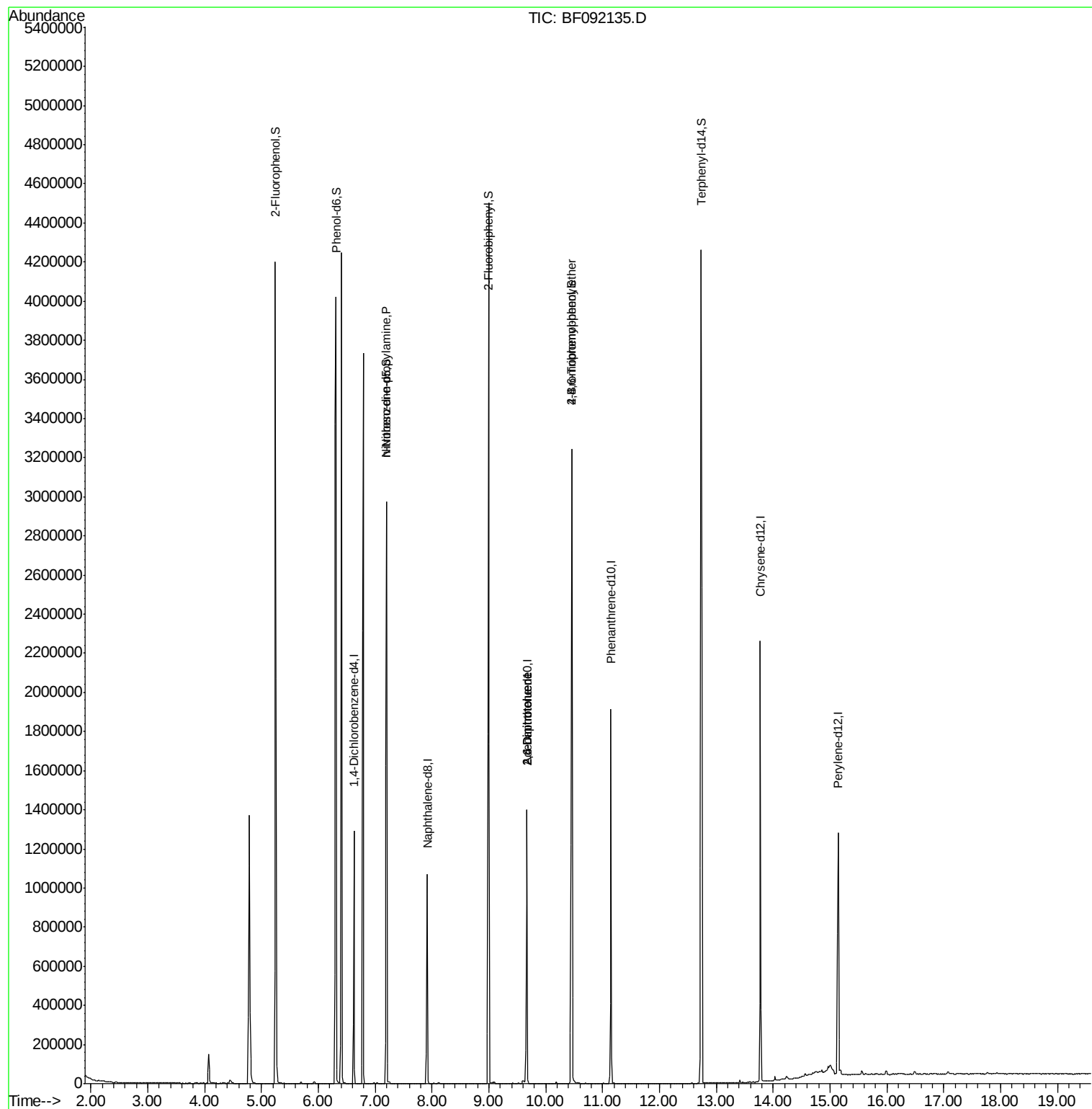
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.63  | 152  | 193058   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.92  | 136  | 769685   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.67  | 164  | 413585   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.14 | 188  | 695795   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.77 | 240  | 756628   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.15 | 264  | 558141   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.25  | 112  | 1399638  | 121.05    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.31  | 99   | 2002693  | 141.87    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.20  | 82   | 1202974  | 86.91     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.46 | 330  | 426626   | 124.65    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.00  | 172  | 1968383  | 99.75     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.73 | 244  | 1881073  | 60.30     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70   | 159973   | 17.03     | ng    | # 76     |
| 50) 2,6-Dinitrotoluene         | 9.67  | 165  | 53809    | 9.29      | ng    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.67  | 165  | 53809    | 7.40      | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 10.46 | 248  | 26480    | 3.66      | ng    | # 1      |
| 73) Di-n-butylphthalate        | 11.72 | 149  | 687      | Below Cal |       | # 76     |

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

Data Path : Z:\HPCHEM1\BNA F\Data\BF010917\  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 09 14:50:19 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 06 15:43:51 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

Instrument :

BNA\_F

ClientSampleId :

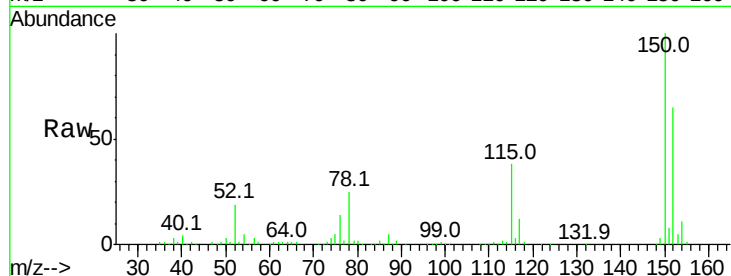
Tot Ion:152 Resp: 193058

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

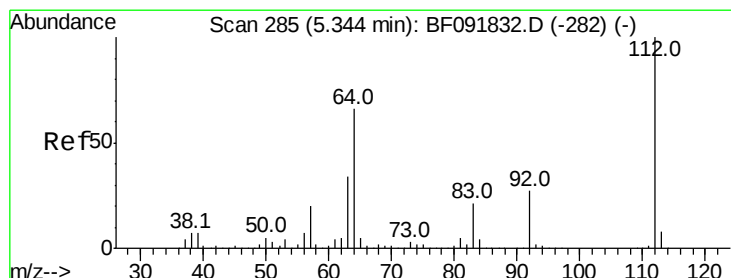
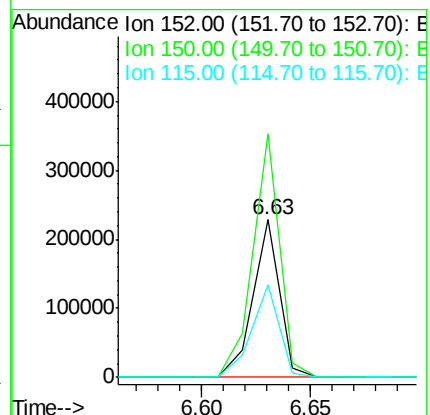
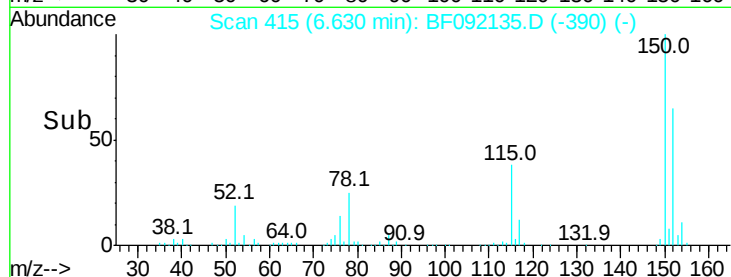
115 58.6 46.0 69.0



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: 121.05 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

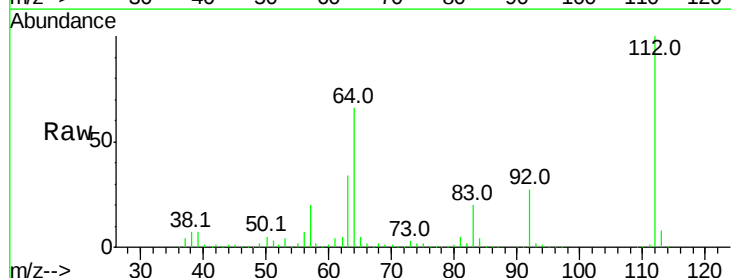
Tgt Ion:112 Resp: 1399638

Ion Ratio Lower Upper

112 100

64 66.0 46.1 69.1

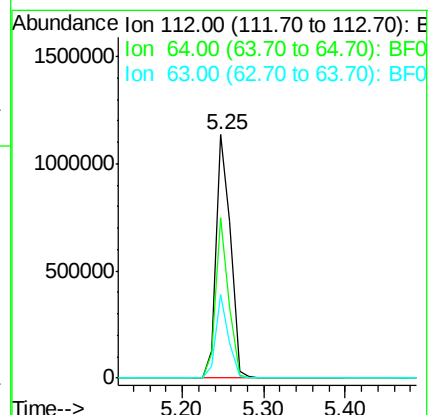
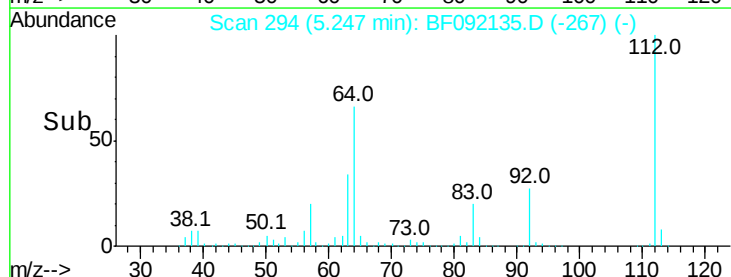
63 34.3 23.8 35.6

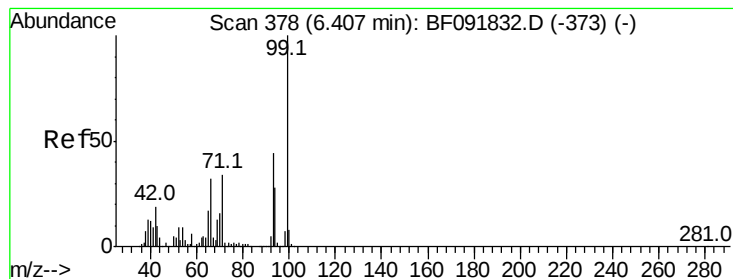


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.87 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

Instrument :

BNA\_F

ClientSampleId :

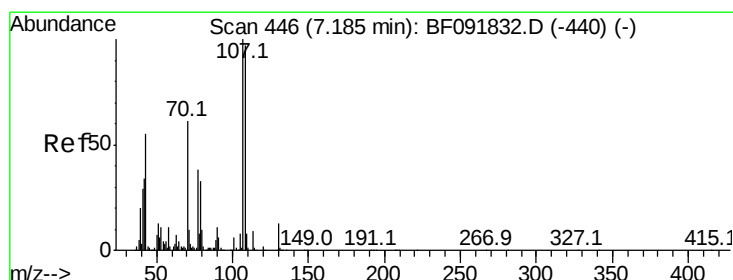
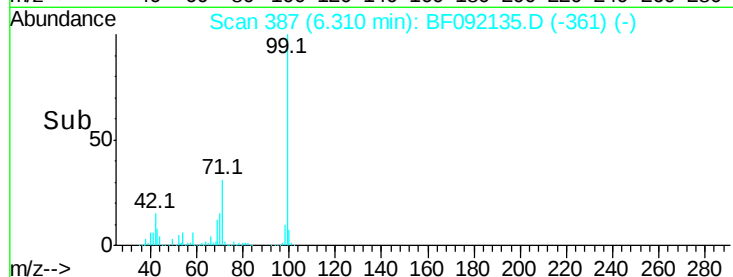
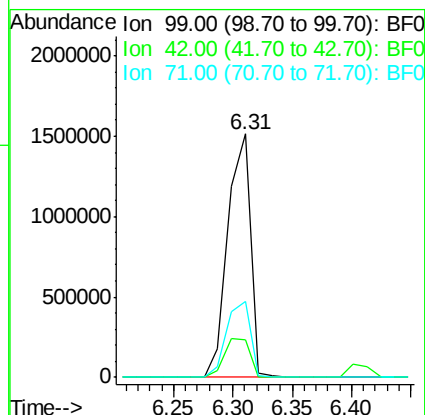
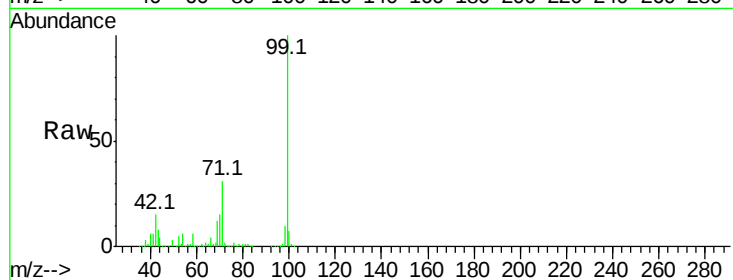
Tot Ion: 99 Resp: 2002693

Ion Ratio Lower Upper

99 100

42 15.3 15.6 23.4#

71 31.3 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.03 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

Tgt Ion: 70 Resp: 159973

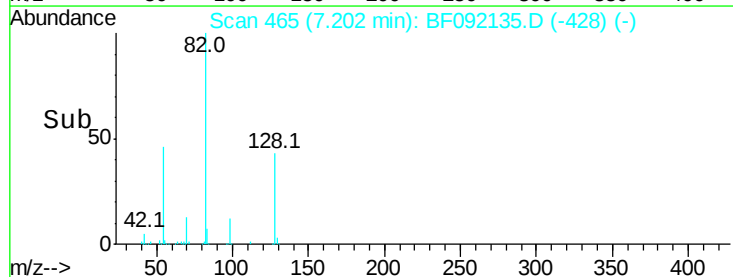
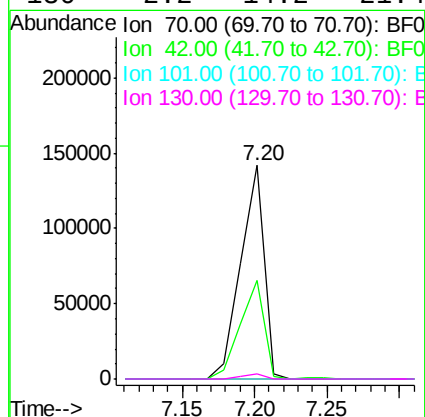
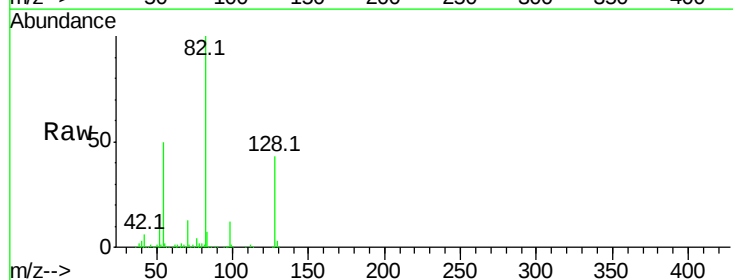
Ion Ratio Lower Upper

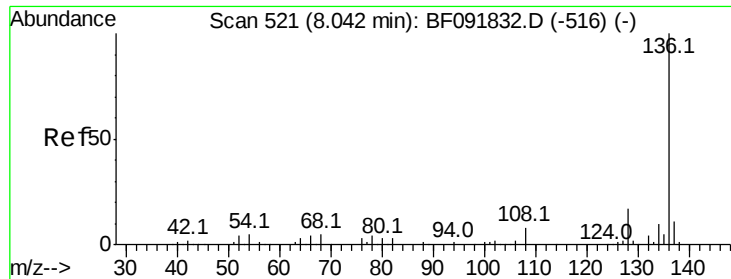
70 100

42 46.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

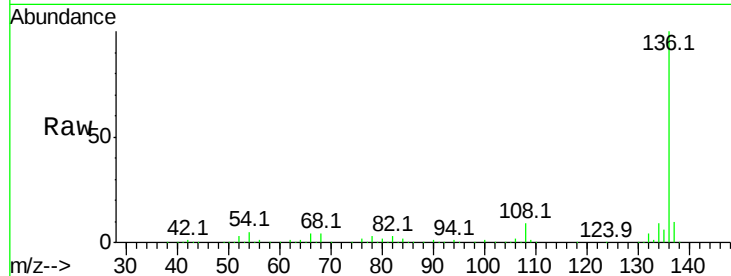




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.92 min Scan# 528  
Delta R.T. -0.01 min  
Lab File: BF092135.D  
Acq: 9 Jan 2017 13:44

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 769685 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 8.4   | 12.6   |
| 54       | 5.3   | 4.5   | 6.7    |
| 68       | 4.2   | 3.6   | 5.4    |

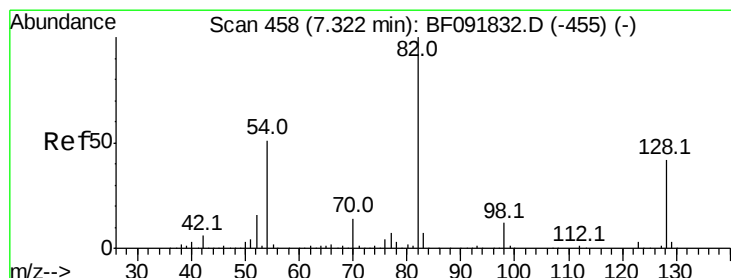
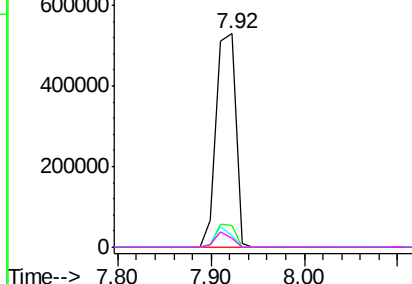
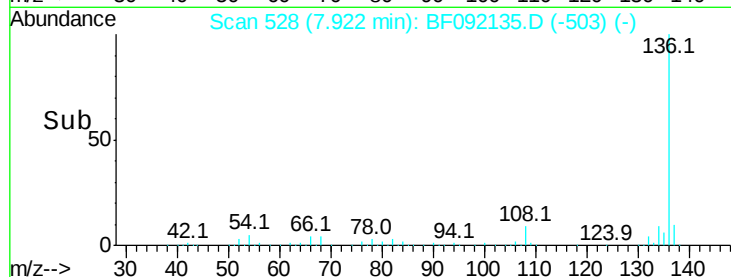


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

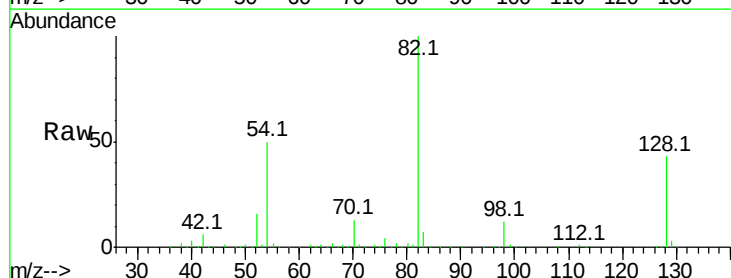
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23  
Nitrobenzene-d5  
Concen: 86.91 ng  
RT: 7.20 min Scan# 465  
Delta R.T. -0.01 min  
Lab File: BF092135.D  
Acq: 9 Jan 2017 13:44

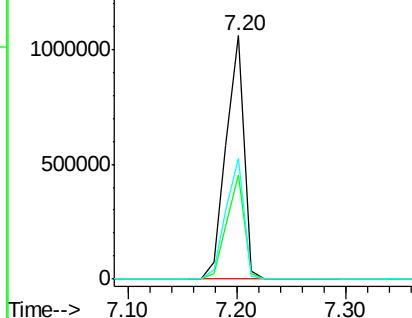
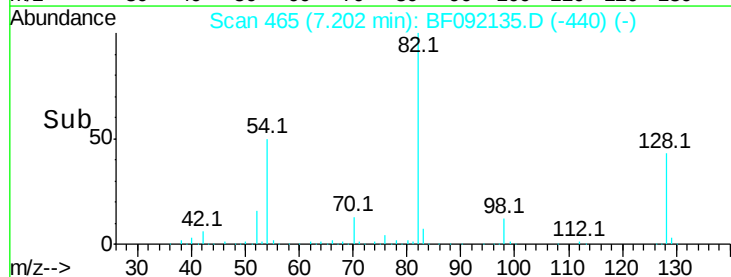
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1202974 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 42.6  | 34.6  | 52.0    |
| 54       | 49.6  | 39.5  | 59.3    |

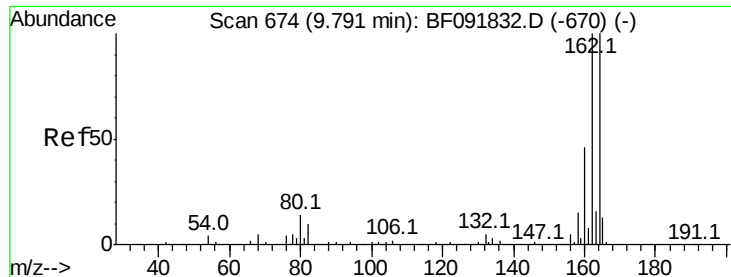


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

Instrument :

BNA\_F

ClientSampleId :

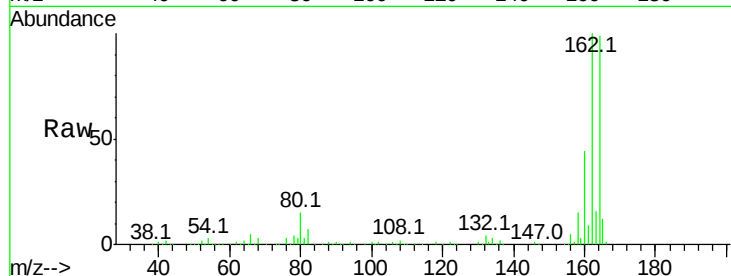
Tot Ion:164 Resp: 413585

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

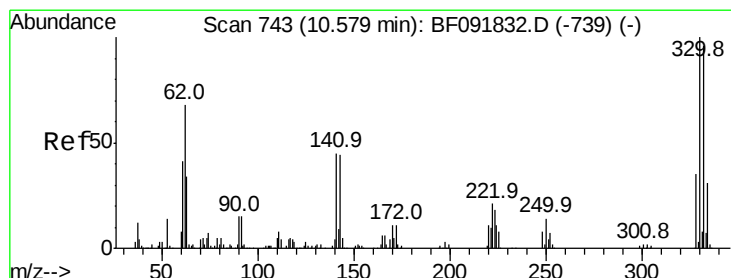
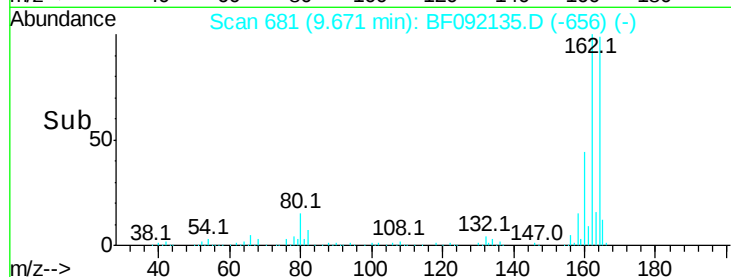
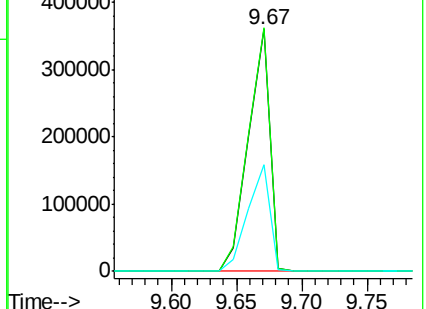
160 44.2 36.9 55.3



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: 124.65 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

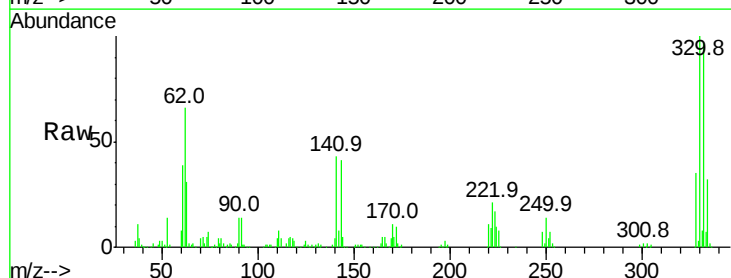
Tgt Ion:330 Resp: 426626

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

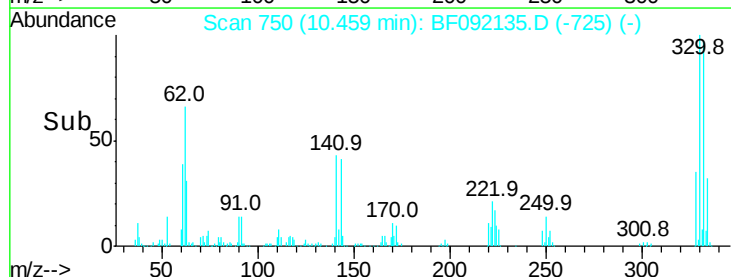
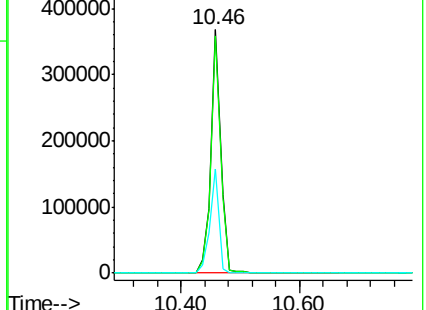
141 38.9 34.1 51.1



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



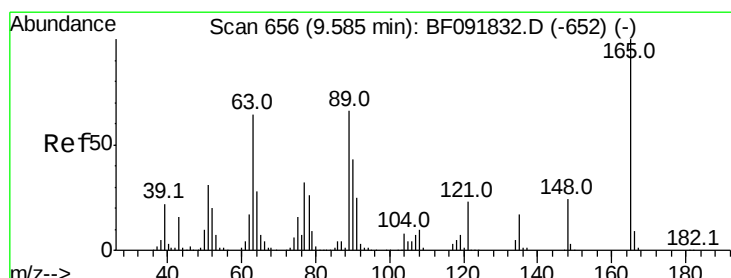
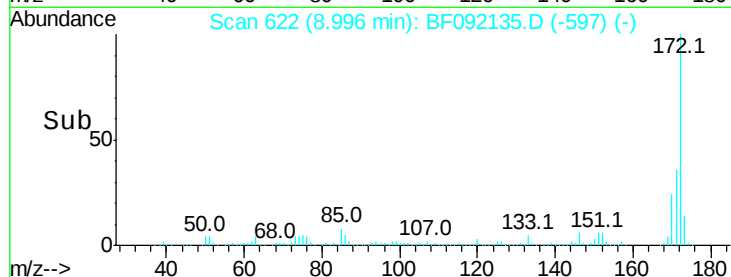
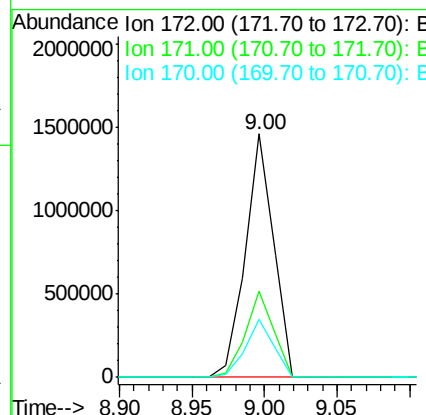
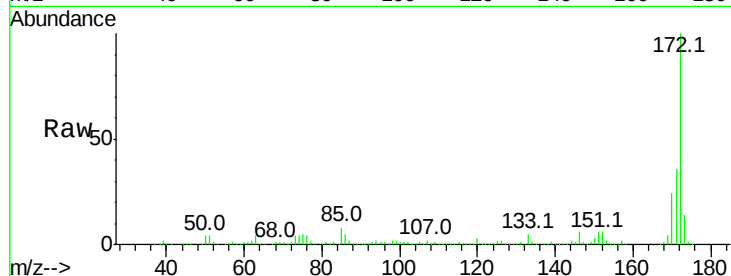


#44  
 2-Fluorobiphenyl  
 Concen: 99.75 ng  
 RT: 9.00 min Scan# 622  
 Delta R.T. -0.01 min  
 Lab File: BF092135.D  
 Acq: 9 Jan 2017 13:44

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1968383  

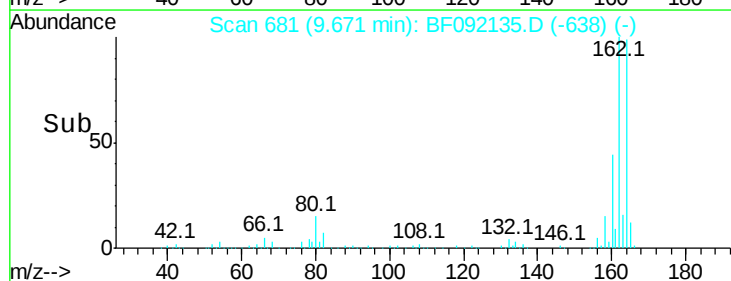
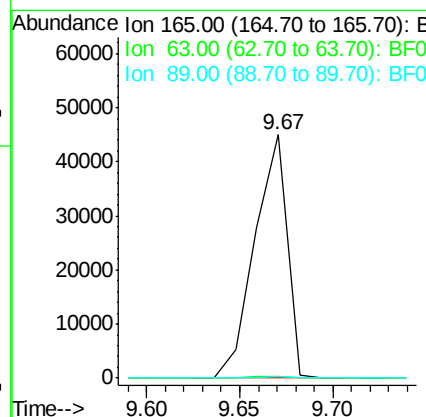
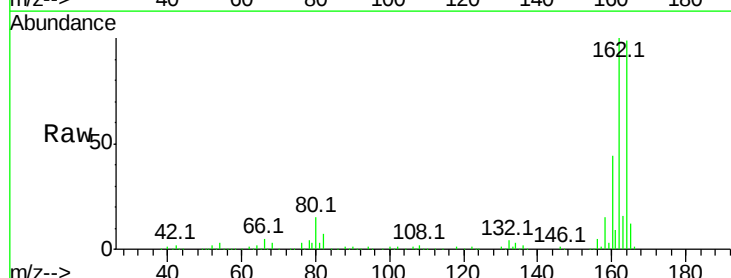
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.6  | 29.4  | 44.0  |
| 170 | 24.0  | 20.2  | 30.4  |

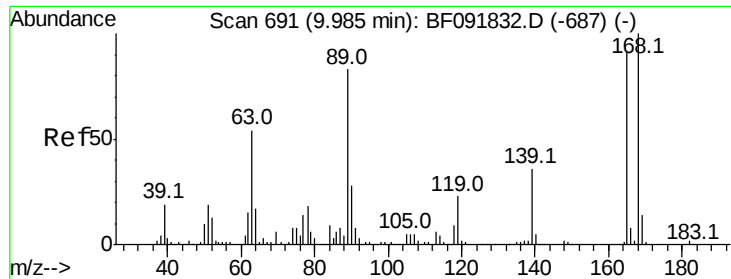


#50  
 2,6-Dinitrotoluene  
 Concen: 9.29 ng  
 RT: 9.67 min Scan# 681  
 Delta R.T. 0.19 min  
 Lab File: BF092135.D  
 Acq: 9 Jan 2017 13:44

Tgt Ion:165 Resp: 53809  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 0.7   | 36.2  | 54.4# |
| 89  | 0.7   | 40.2  | 60.4# |

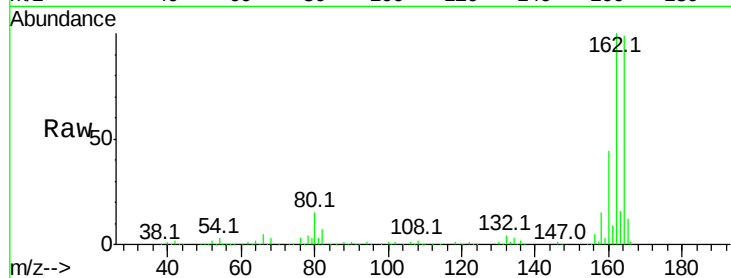




#56  
 2,4-Dinitrotoluene  
 Concen: 7.40 ng  
 RT: 9.67 min Scan# 681  
 Delta R.T. -0.22 min  
 Lab File: BF092135.D  
 Acq: 9 Jan 2017 13:44

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 53809 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.7   | 40.2  | 60.4# |
| 89       | 0.7   | 62.5  | 93.7# |
| 182      | 0.0   | 1.8   | 2.8#  |

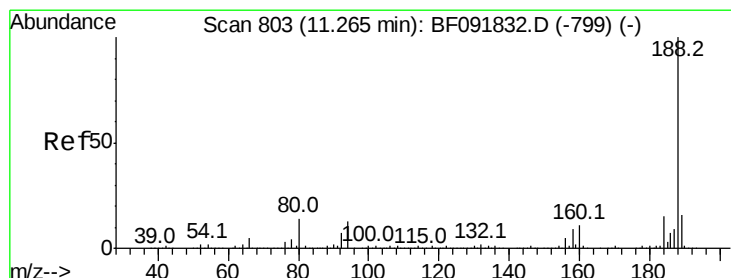
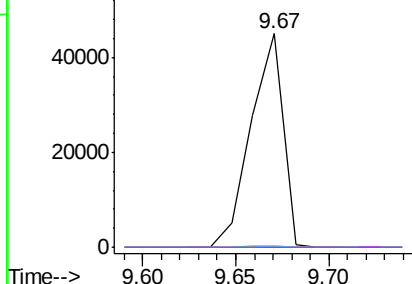
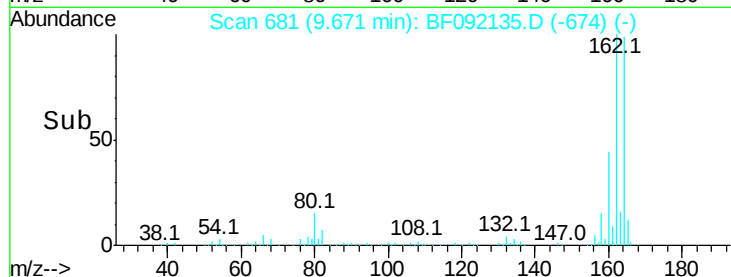


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

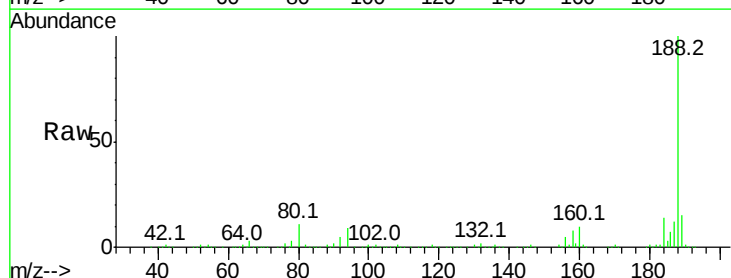
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.14 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BF092135.D  
 Acq: 9 Jan 2017 13:44

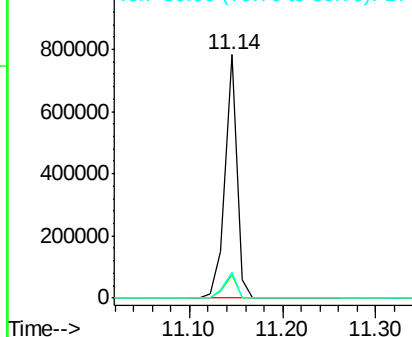
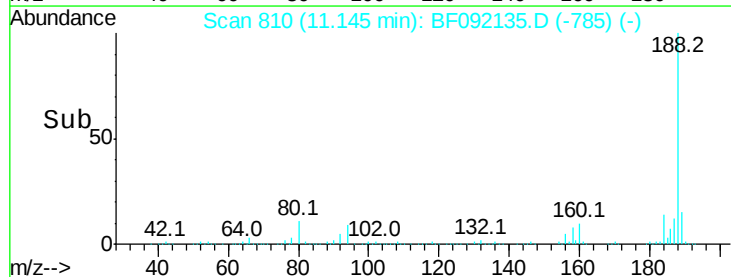
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 695795 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.5   | 10.0  | 15.0#  |
| 80       | 10.6  | 11.2  | 16.8#  |

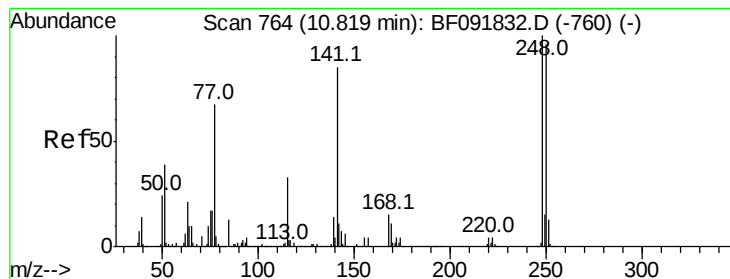


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.66 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.25 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

Instrument :

BNA\_F

ClientSampleId :

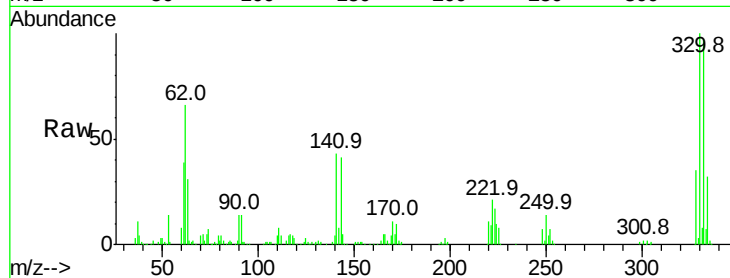
Tot Ion:248 Resp: 26480

Ion Ratio Lower Upper

248 100

250 206.0 76.9 115.3#

141 614.7 68.2 102.4#

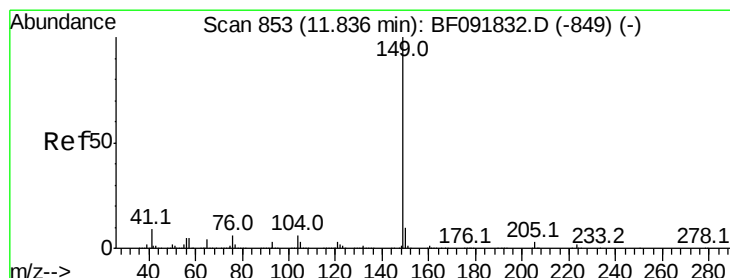
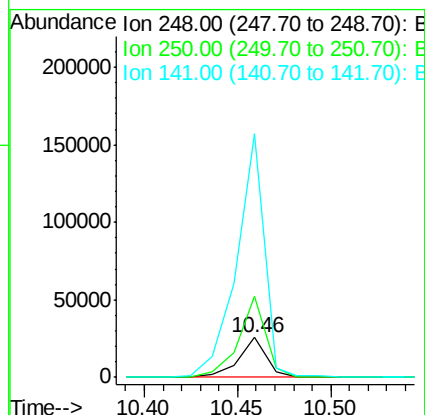
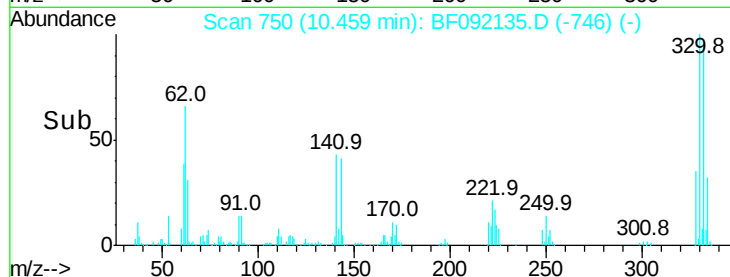


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.72 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

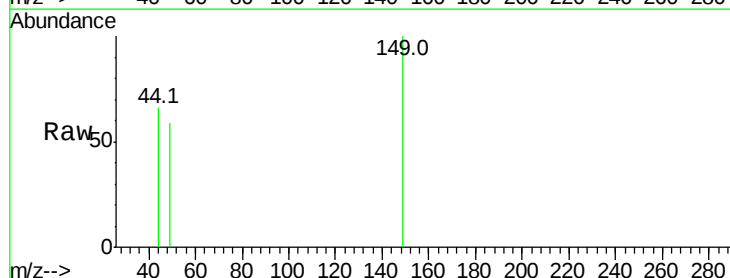
Tgt Ion:149 Resp: 687

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

104 0.0 4.6 7.0#

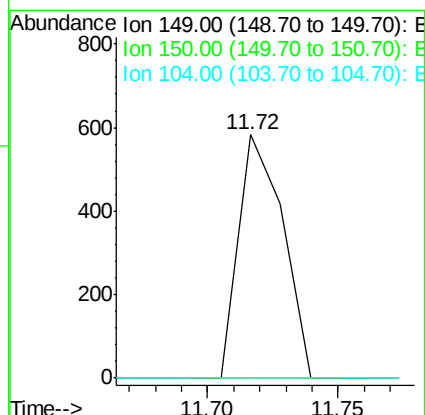
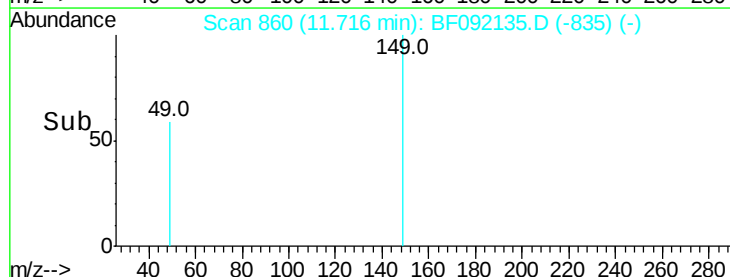


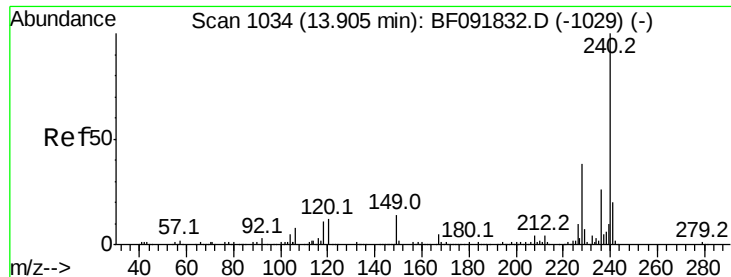
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

Instrument :

BNA\_F

ClientSampleId :

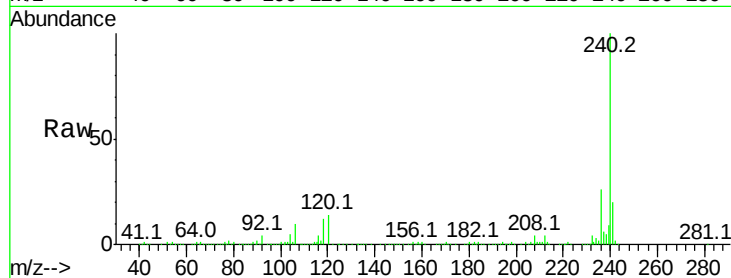
Tot Ion:240 Resp: 756628

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

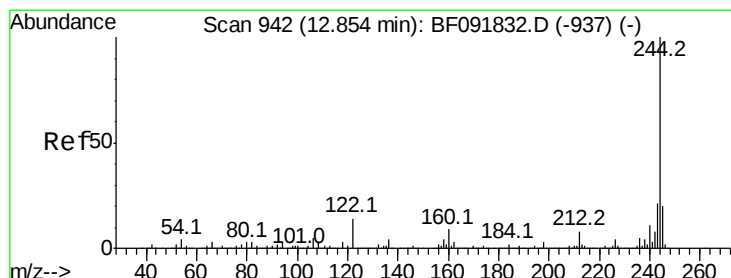
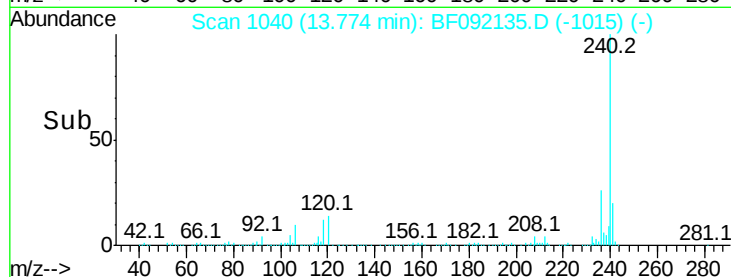
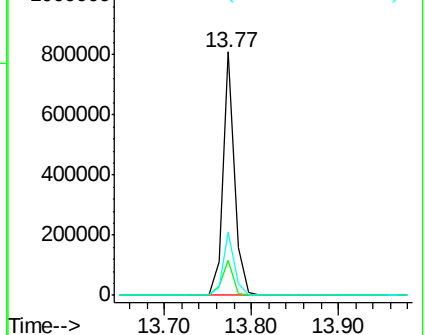
236 26.0 20.9 31.3



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: 60.30 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092135.D

Acq: 9 Jan 2017 13:44

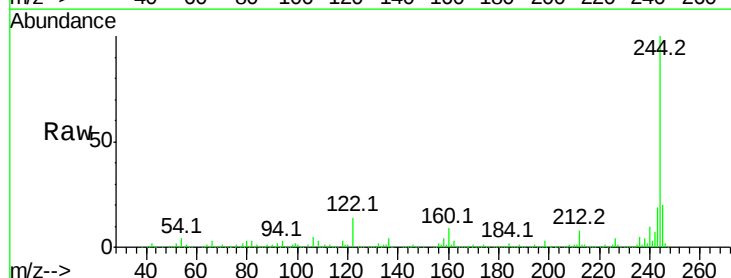
Tgt Ion:244 Resp: 1881073

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

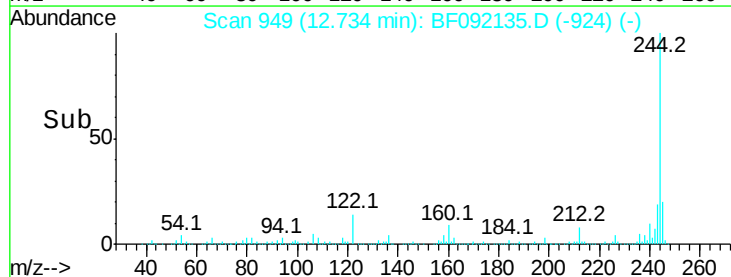
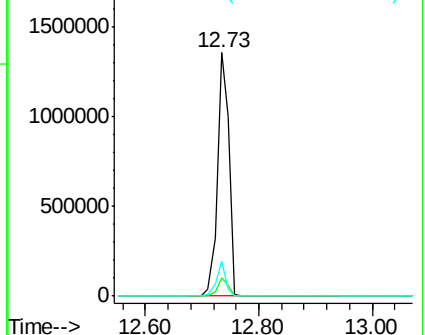
122 14.4 11.4 17.2

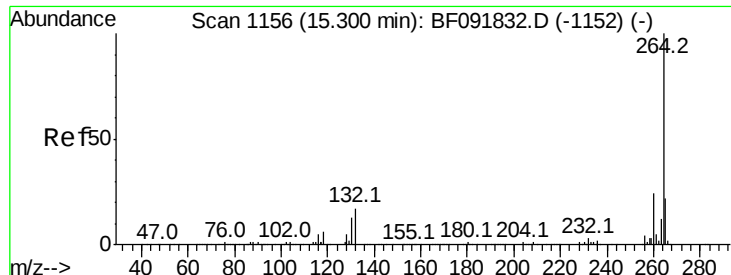


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



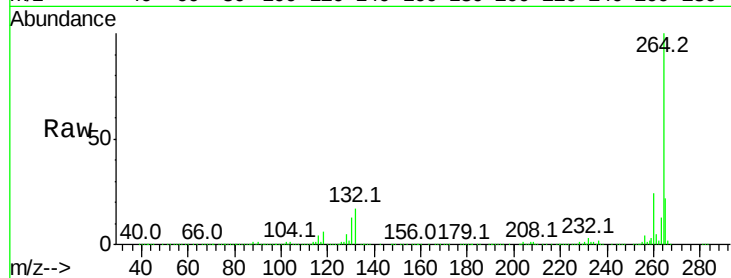


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.15 min Scan# 1160  
Delta R.T. 0.00 min  
Lab File: BF092135.D  
Acq: 9 Jan 2017 13:44

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 558141  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.2  | 28.8  |
| 265 | 21.5  | 17.4  | 26.0  |



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

