

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042016\  
 Data File : BF086337.D  
 Acq On : 21 Apr 2016 4:49  
 Operator : UM/SJ  
 Sample : H2569-09  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-EW2

Quant Time: Apr 21 05:52:12 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 20 15:45:26 2016  
 Response via : Initial Calibration

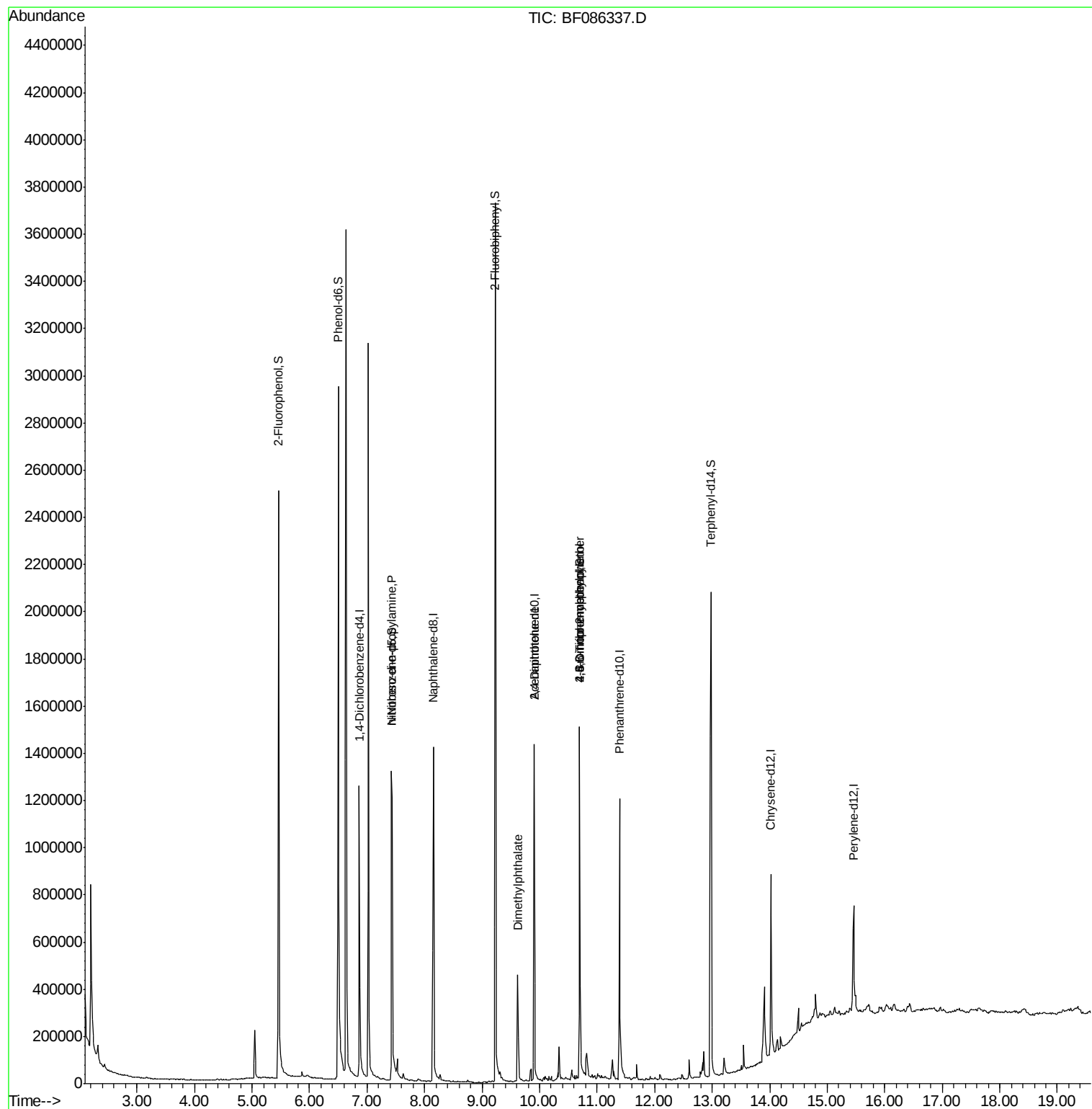
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 218334   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.16  | 136  | 829380   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.90  | 164  | 298193   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.39 | 188  | 494356   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12               | 14.02 | 240  | 362630   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12               | 15.46 | 264  | 259305   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 1113811  | 89.01 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.50  | 99   | 1345595  | 82.17 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 800341   | 55.27 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 198631   | 85.46 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.23  | 172  | 1217476  | 76.20 | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.98 | 244  | 867680   | 56.96 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 100389   | 10.12 | ng    | # 80     |
| 49) Dimethylphthalate          | 9.62  | 163  | 222091   | 9.78  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 38246    | 6.59  | ng    | # 31     |
| 64) 4,6-Dinitro-2-methylphenol | 10.69 | 198  | 320      | 6.24  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 12285    | 2.31  | ng    | # 1      |

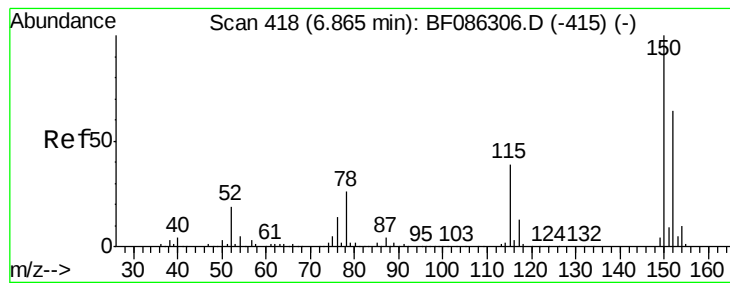
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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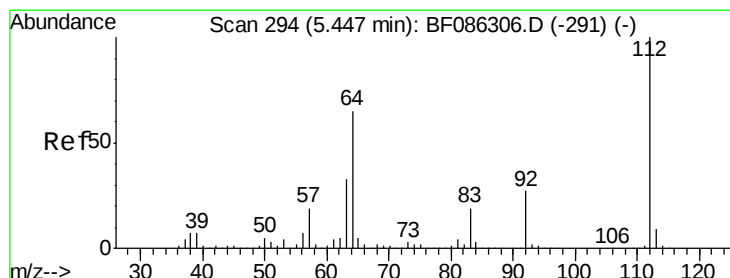
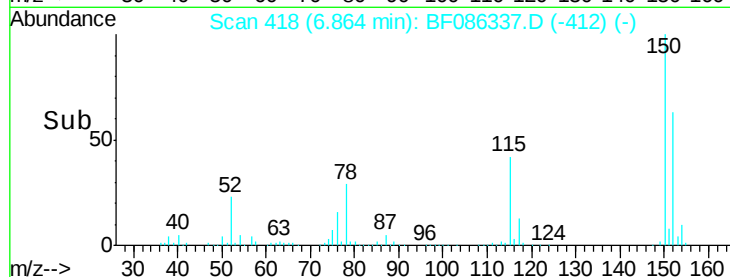
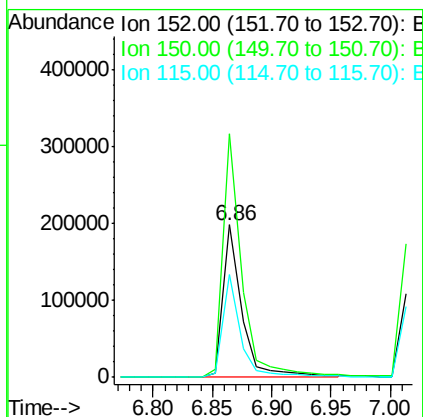
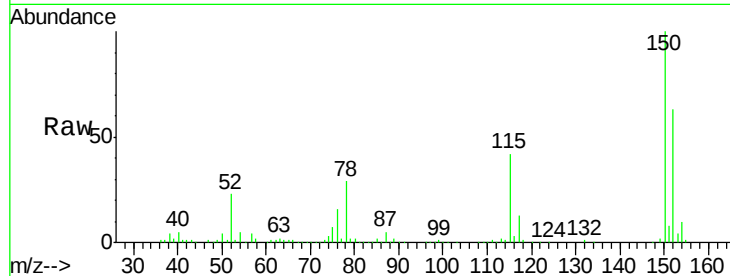




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.86 min Scan# 418  
 Delta R.T. -0.03 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

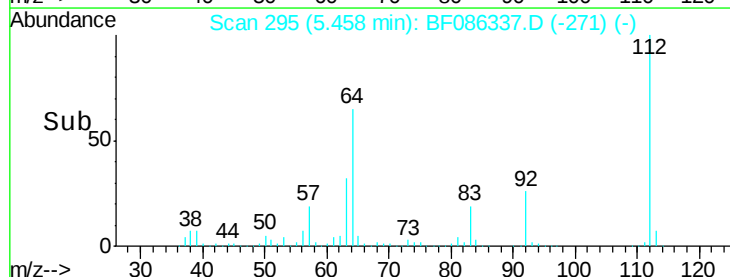
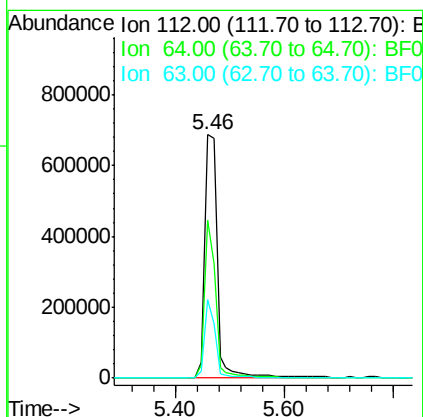
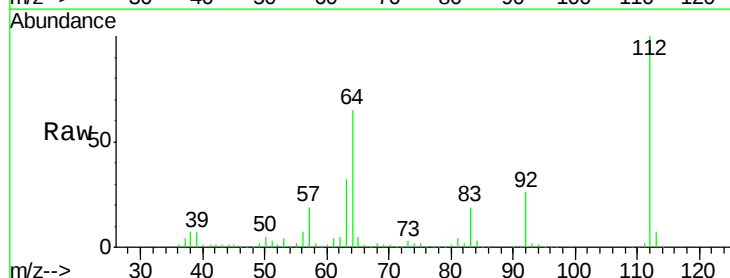
Instrument :  
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 ClientSampleId :  
 LCF-EW2

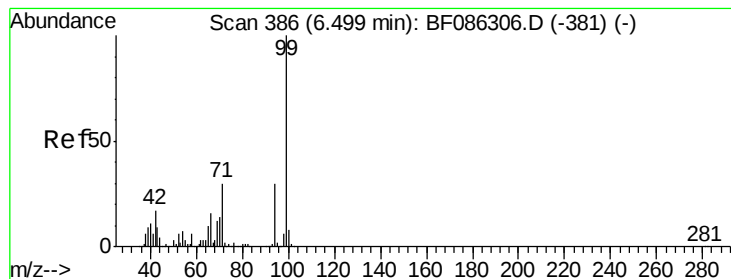
Tgt Ion:152 Resp: 218334  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 124.1 186.1  
 115 67.6 43.9 65.9#



#5  
 2-Fluorophenol  
 Concen: 89.01 ng  
 RT: 5.46 min Scan# 295  
 Delta R.T. -0.02 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

Tgt Ion:112 Resp: 1113811  
 Ion Ratio Lower Upper  
 112 100  
 64 64.9 48.1 72.1  
 63 32.0 25.5 38.3





#7

Phenol-d6

Concen: 82.17 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086337.D

Acq: 21 Apr 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

LCF-EW2

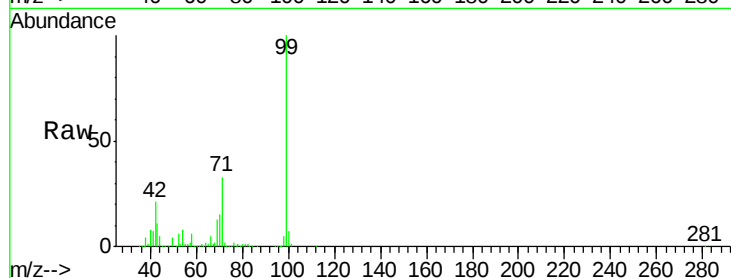
Tgt Ion: 99 Resp: 1345595

Ion Ratio Lower Upper

99 100

42 20.5 15.4 23.2

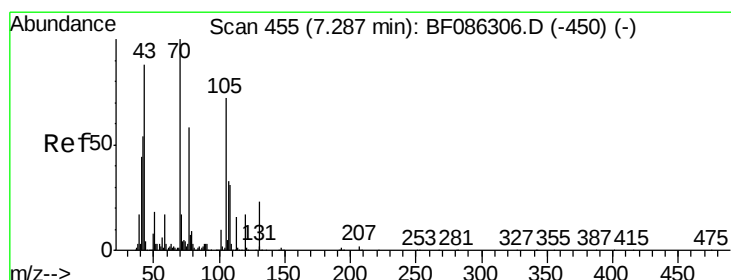
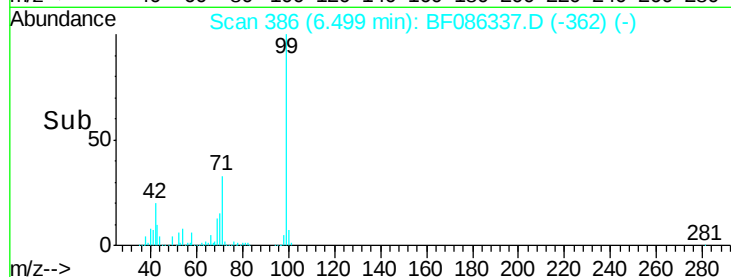
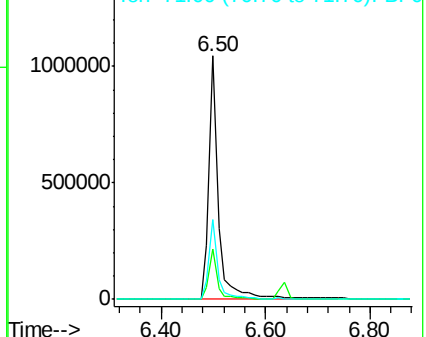
71 32.9 25.6 38.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.12 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.11 min

Lab File: BF086337.D

Acq: 21 Apr 2016 4:49

Tgt Ion: 70 Resp: 100389

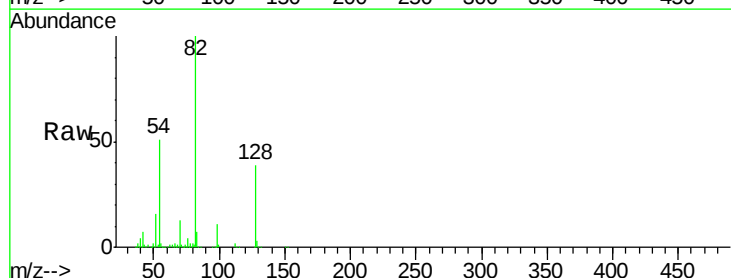
Ion Ratio Lower Upper

70 100

42 48.6 43.0 64.4

101 0.0 8.1 12.1#

130 2.0 20.1 30.1#

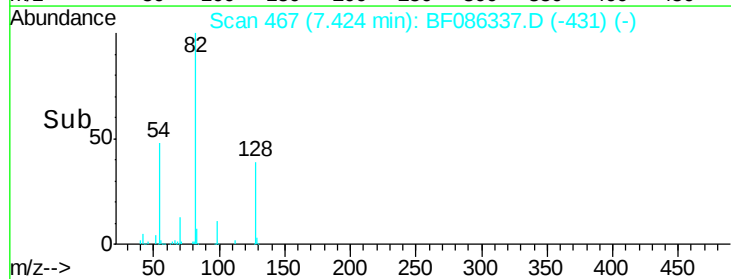
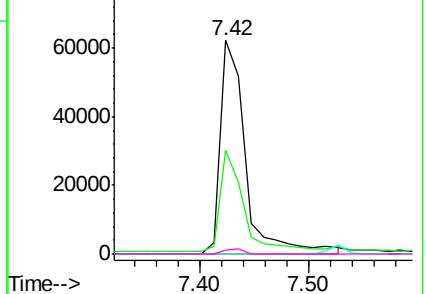


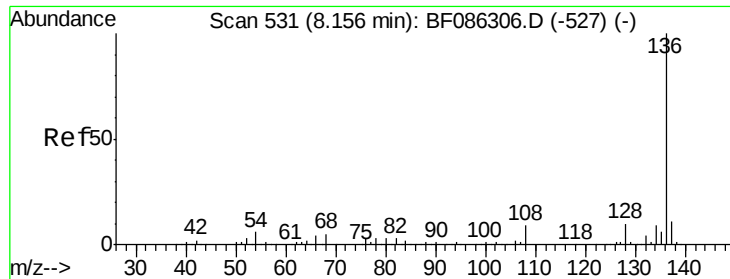
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

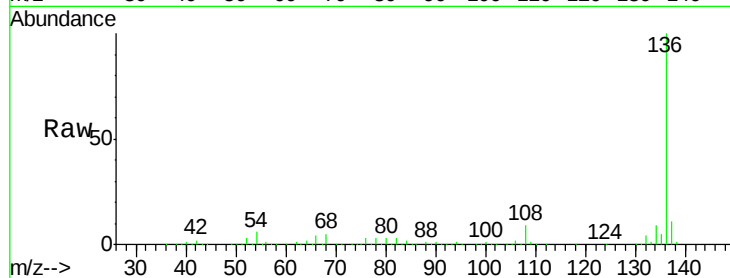




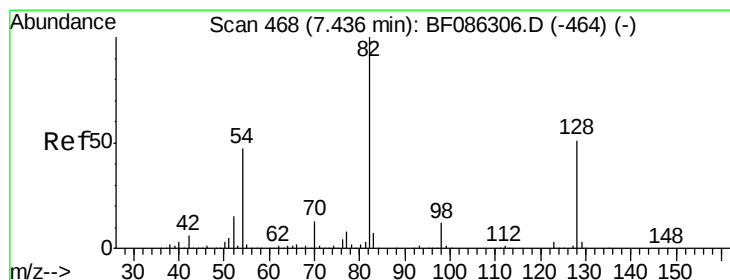
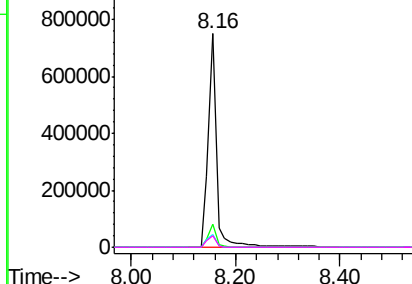
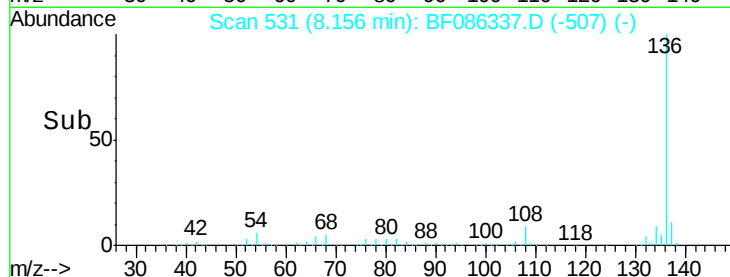
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.16 min Scan# 531  
Delta R.T. -0.02 min  
Lab File: BF086337.D  
Acq: 21 Apr 2016 4:49

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-EW2

Tgt Ion: 136 Resp: 829380  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.1 13.7  
54 6.3 7.3 10.9#  
68 5.4 5.7 8.5#

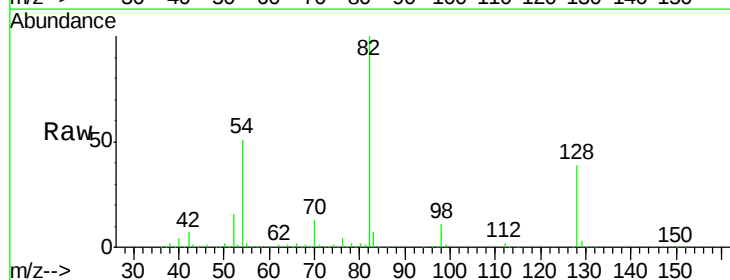


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

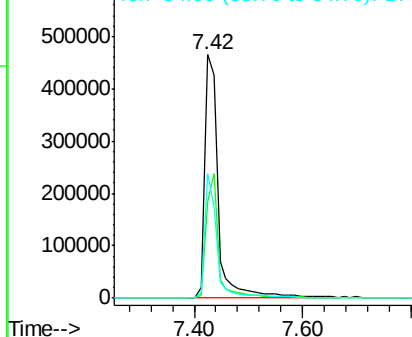
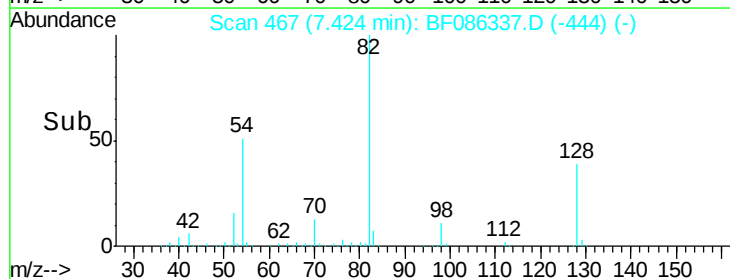


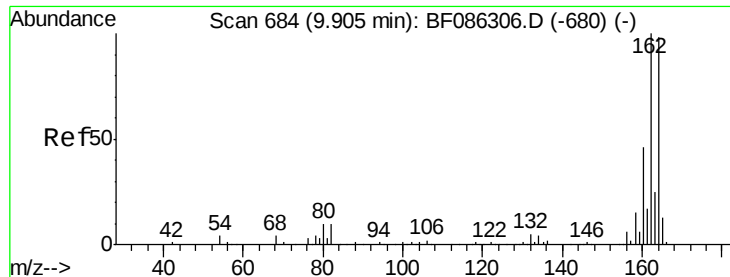
#23  
Nitrobenzene-d5  
Concen: 55.27 ng  
RT: 7.42 min Scan# 467  
Delta R.T. -0.03 min  
Lab File: BF086337.D  
Acq: 21 Apr 2016 4:49

Tgt Ion: 82 Resp: 800341  
Ion Ratio Lower Upper  
82 100  
128 39.4 35.4 53.2  
54 51.0 43.4 65.0



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

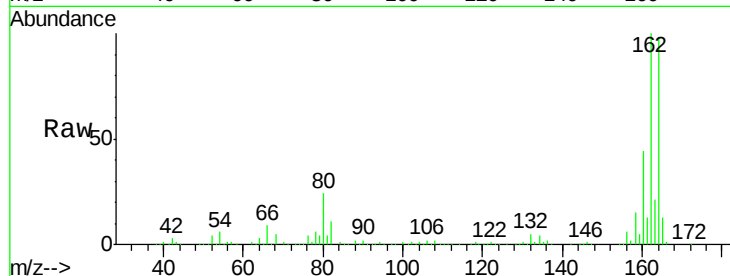




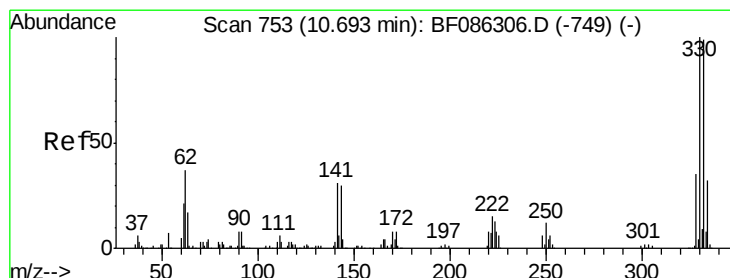
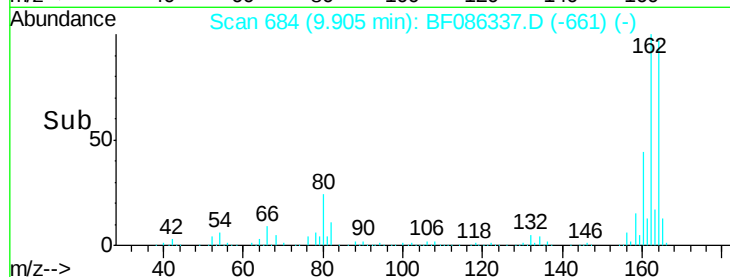
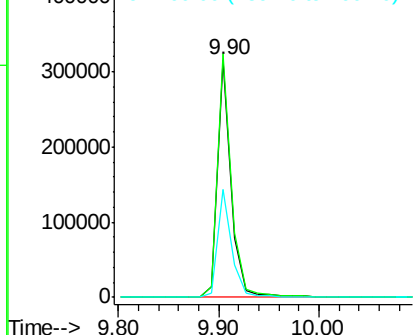
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 684  
 Delta R.T. -0.03 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-EW2

Tgt Ion:164 Resp: 298193  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 82.8 124.2  
 160 45.4 38.9 58.3

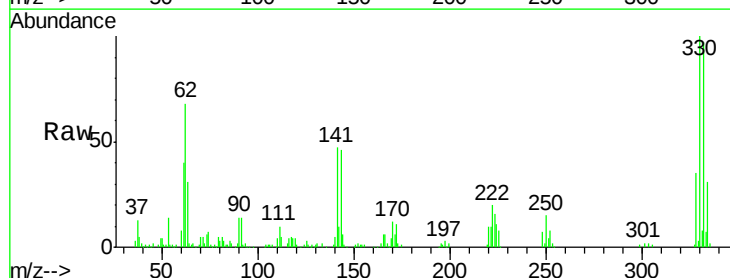


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

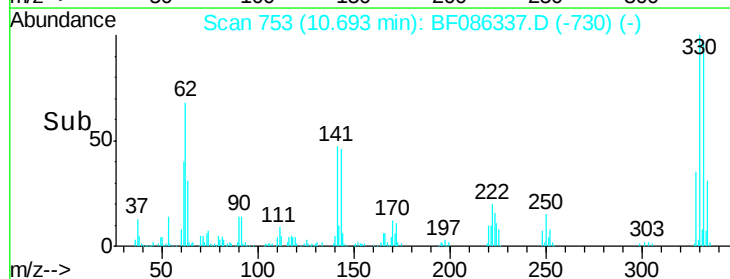
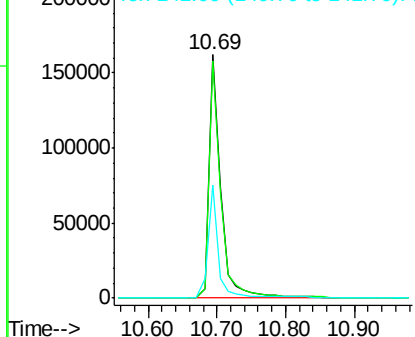


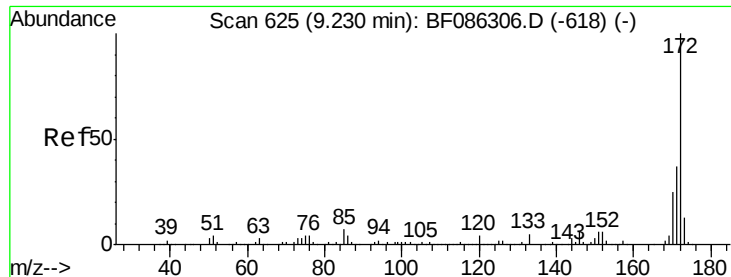
#41  
 2,4,6-Tribromophenol  
 Concen: 85.46 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.03 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

Tgt Ion:330 Resp: 198631  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 78.7 118.1  
 141 40.9 28.6 42.8



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

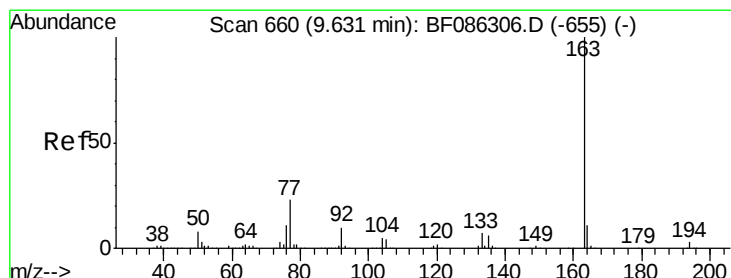
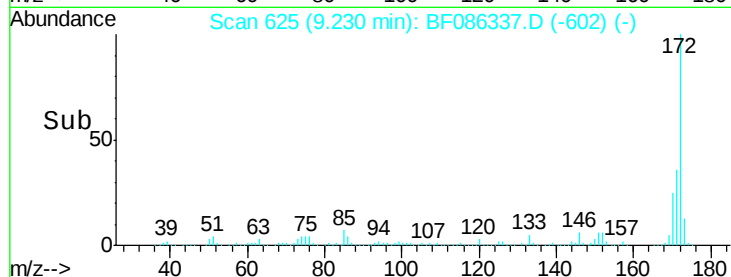
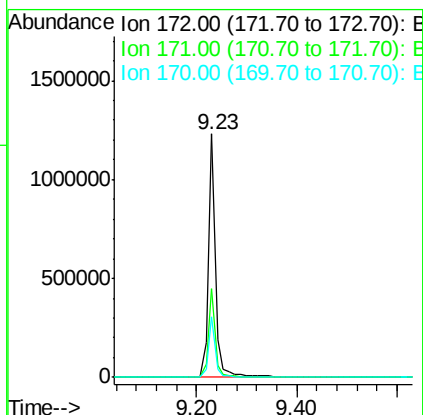
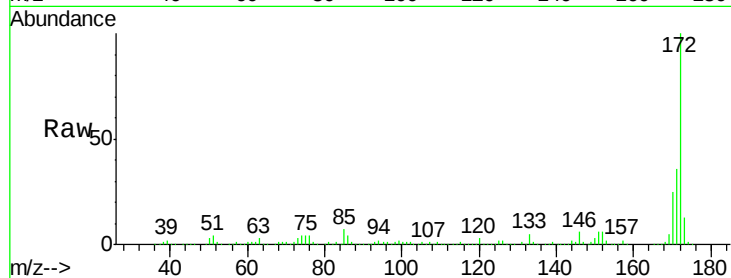




#44  
 2-Fluorobiphenyl  
 Concen: 76.20 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

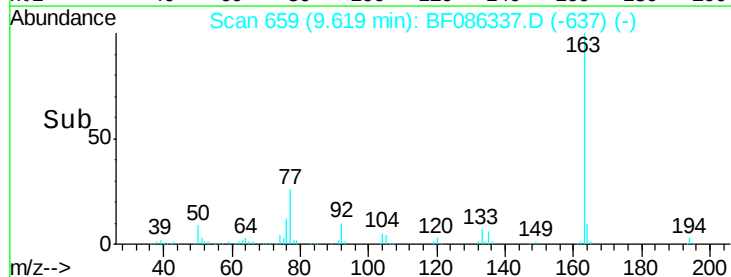
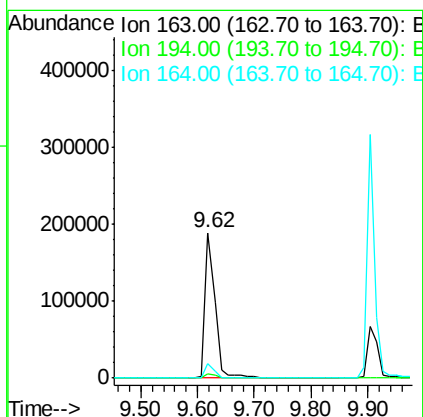
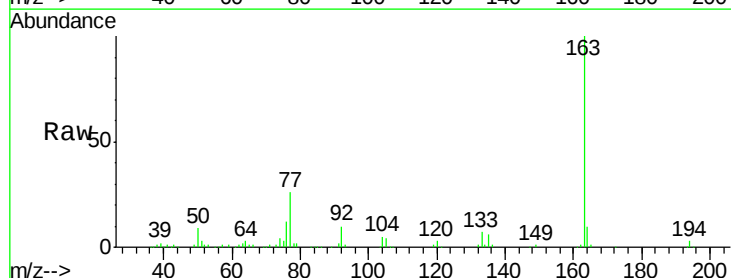
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 BNA\_F  
 ClientSampleId :  
 LCF-EW2

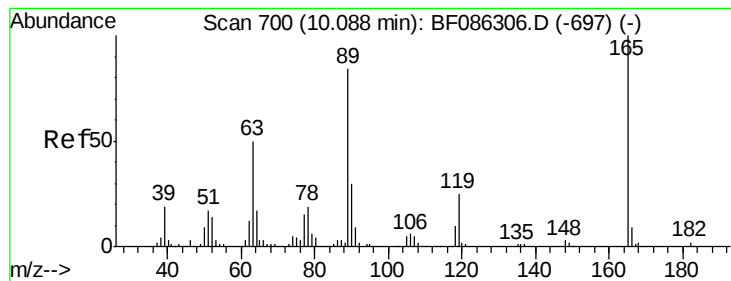
Tgt Ion:172 Resp: 1217476  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.1 43.7  
 170 25.0 19.9 29.9



#49  
 Dimethylphthalate  
 Concen: 9.78 ng  
 RT: 9.62 min Scan# 659  
 Delta R.T. -0.05 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

Tgt Ion:163 Resp: 222091  
 Ion Ratio Lower Upper  
 163 100  
 194 2.7 2.8 4.2#  
 164 10.2 8.4 12.6

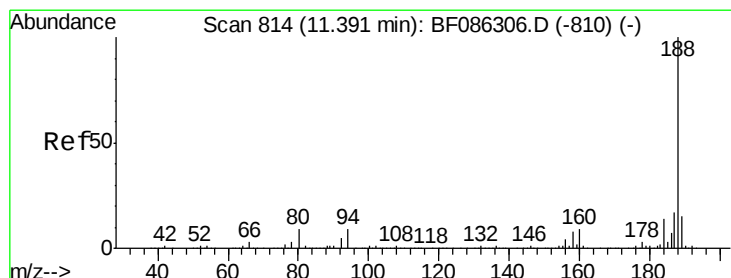
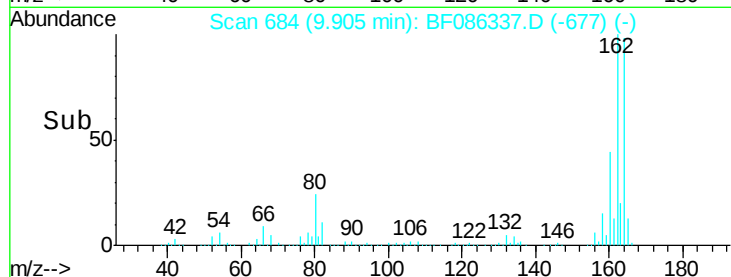
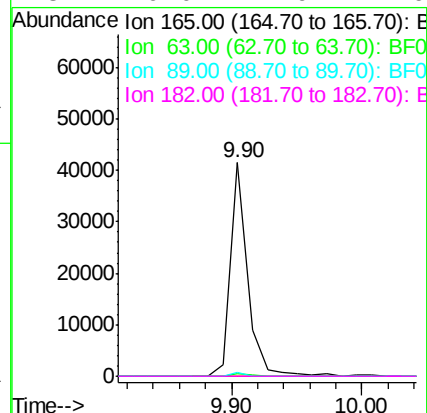
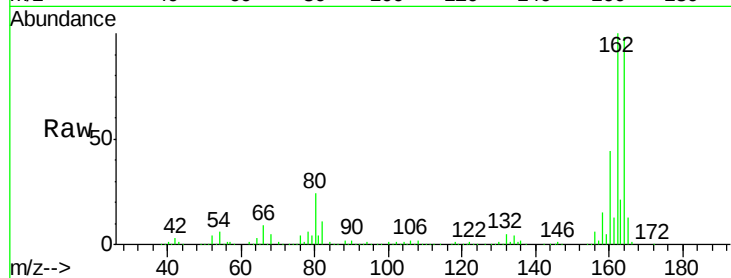




#56  
 2,4-Dinitrotoluene  
 Concen: 6.59 ng  
 RT: 9.90 min Scan# 684  
 Delta R.T. -0.22 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

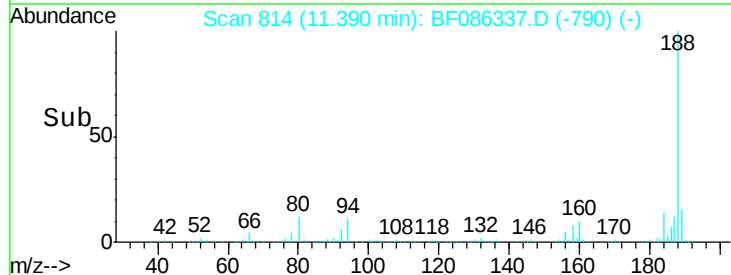
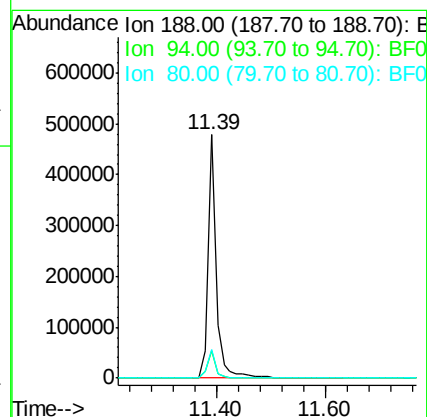
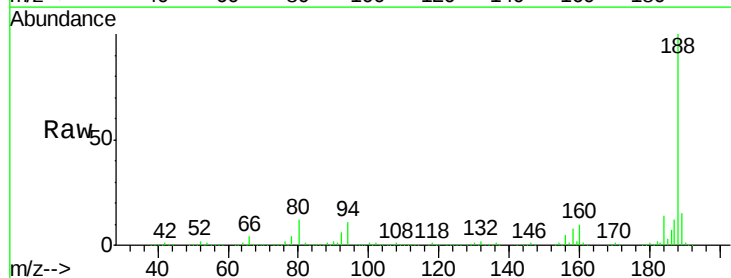
Instrument :  
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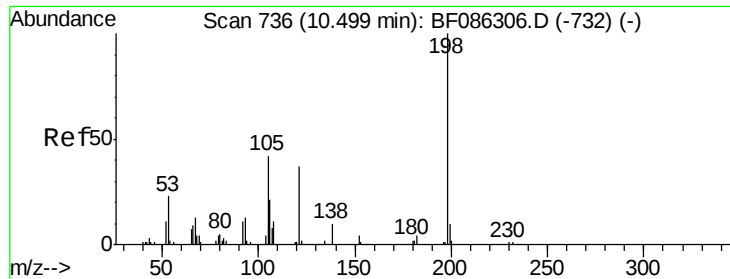
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 26.6  | 40.0# |
| 89      | 1.6   | 49.5  | 74.3# |
| 182     | 0.0   | 1.9   | 2.9#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.39 min Scan# 814  
 Delta R.T. -0.02 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.0  | 9.8   | 14.8  |
| 80      | 11.7  | 10.5  | 15.7  |

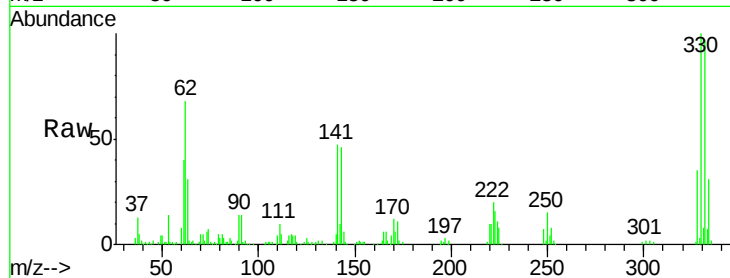




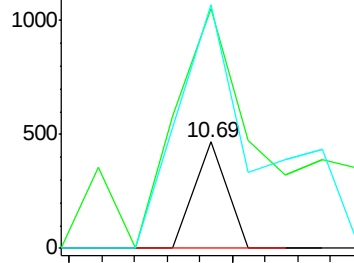
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.24 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. 0.17 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-EW2

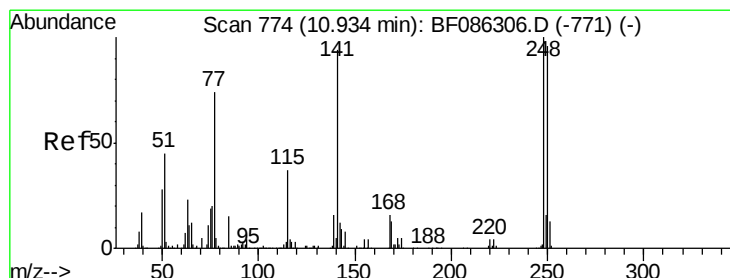
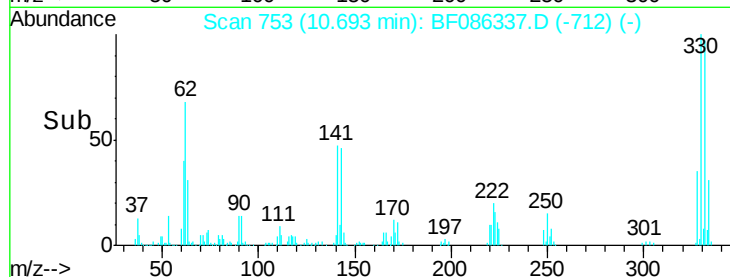
Tgt Ion:198 Resp: 320  
 Ion Ratio Lower Upper  
 198 100  
 51 225.5 56.5 96.5#  
 105 228.9 48.0 88.0#



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

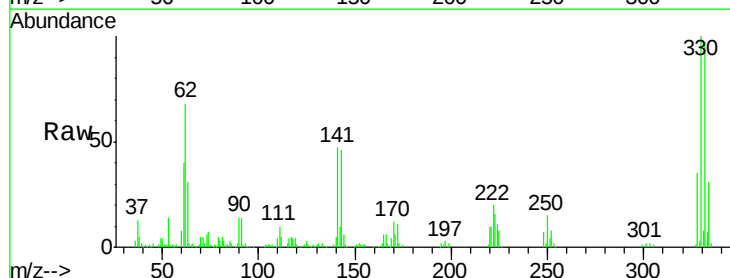


Time--> 10.65 10.70

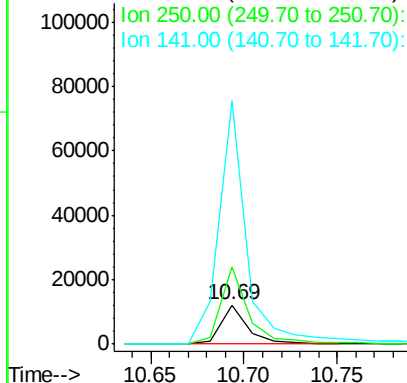


#66  
 4-Bromophenyl-phenylether  
 Concen: 2.31 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.27 min  
 Lab File: BF086337.D  
 Acq: 21 Apr 2016 4:49

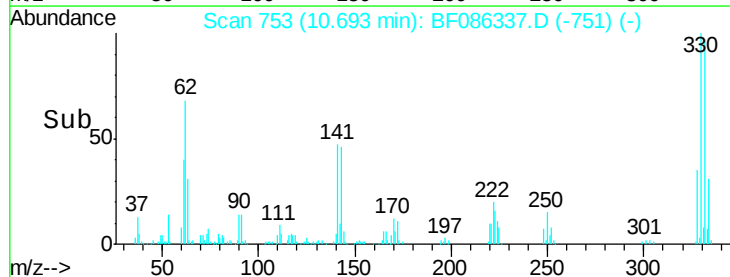
Tgt Ion:248 Resp: 12285  
 Ion Ratio Lower Upper  
 248 100  
 250 200.2 78.6 118.0#  
 141 626.6 57.9 86.9#

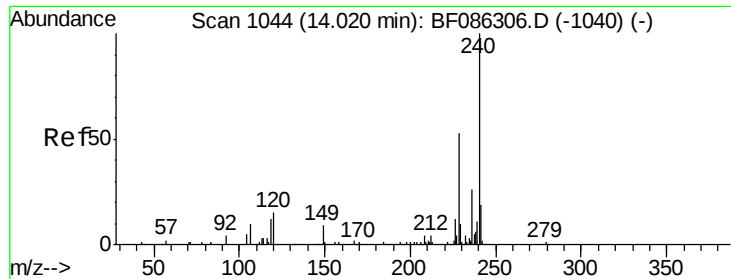


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E



Time--> 10.65 10.70 10.75





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF086337.D

Acq: 21 Apr 2016 4:49

Instrument :

BNA\_F

ClientSampleId :

LCF-EW2

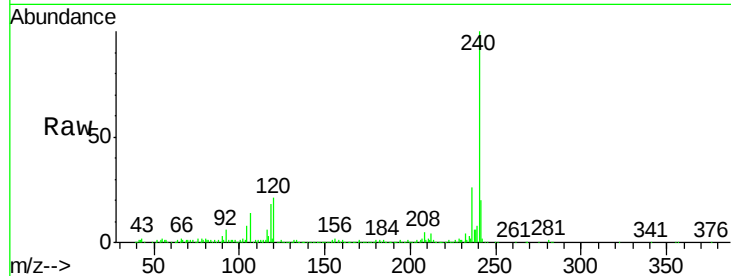
Tgt Ion:240 Resp: 362630

Ion Ratio Lower Upper

240 100

120 21.3 9.3 13.9#

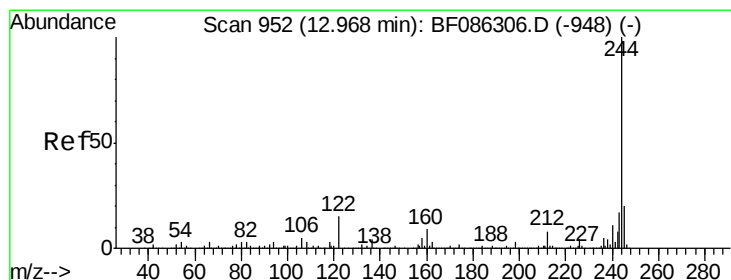
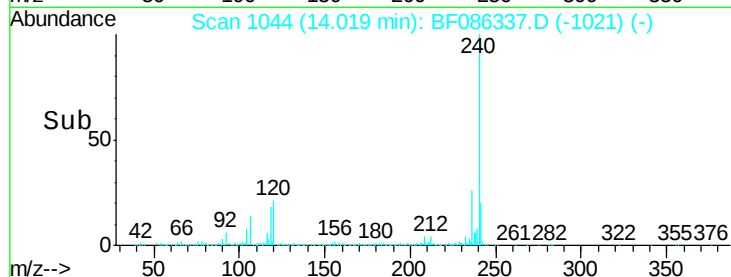
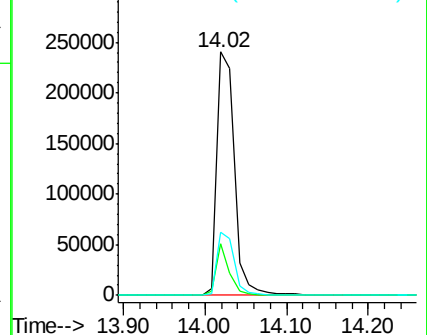
236 25.9 21.1 31.7



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: 56.96 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF086337.D

Acq: 21 Apr 2016 4:49

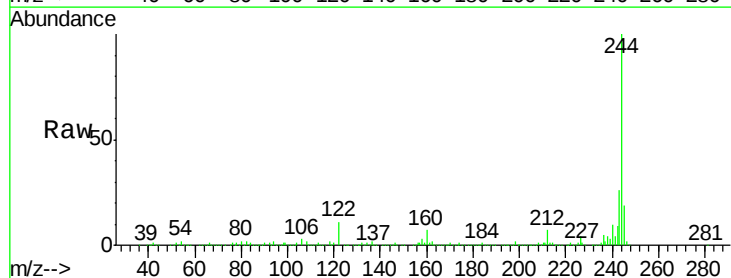
Tgt Ion:244 Resp: 867680

Ion Ratio Lower Upper

244 100

212 6.6 6.4 9.6

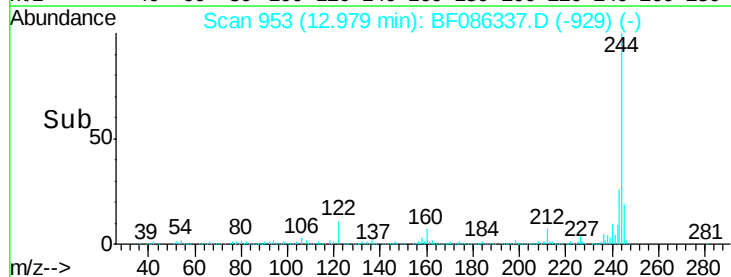
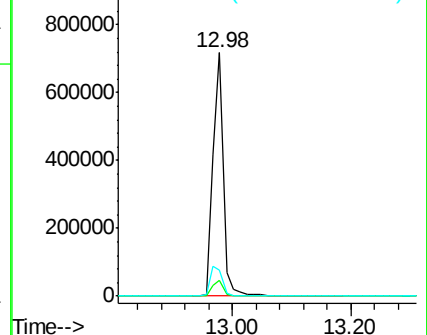
122 10.6 11.7 17.5#

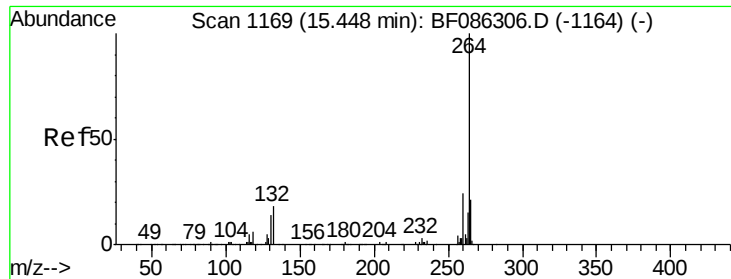


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.46 min Scan# 1170  
Delta R.T. -0.02 min  
Lab File: BF086337.D  
Acq: 21 Apr 2016 4:49

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-EW2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 20.0  | 30.0  |
| 265     | 21.3  | 17.4  | 26.0  |

