

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030416\  
 Data File : BF085215.D  
 Acq On : 4 Mar 2016 21:06  
 Operator : SJ/IZ  
 Sample : H1684-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 48-BRIDGE-GRID-2

Quant Time: Mar 04 22:10:47 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

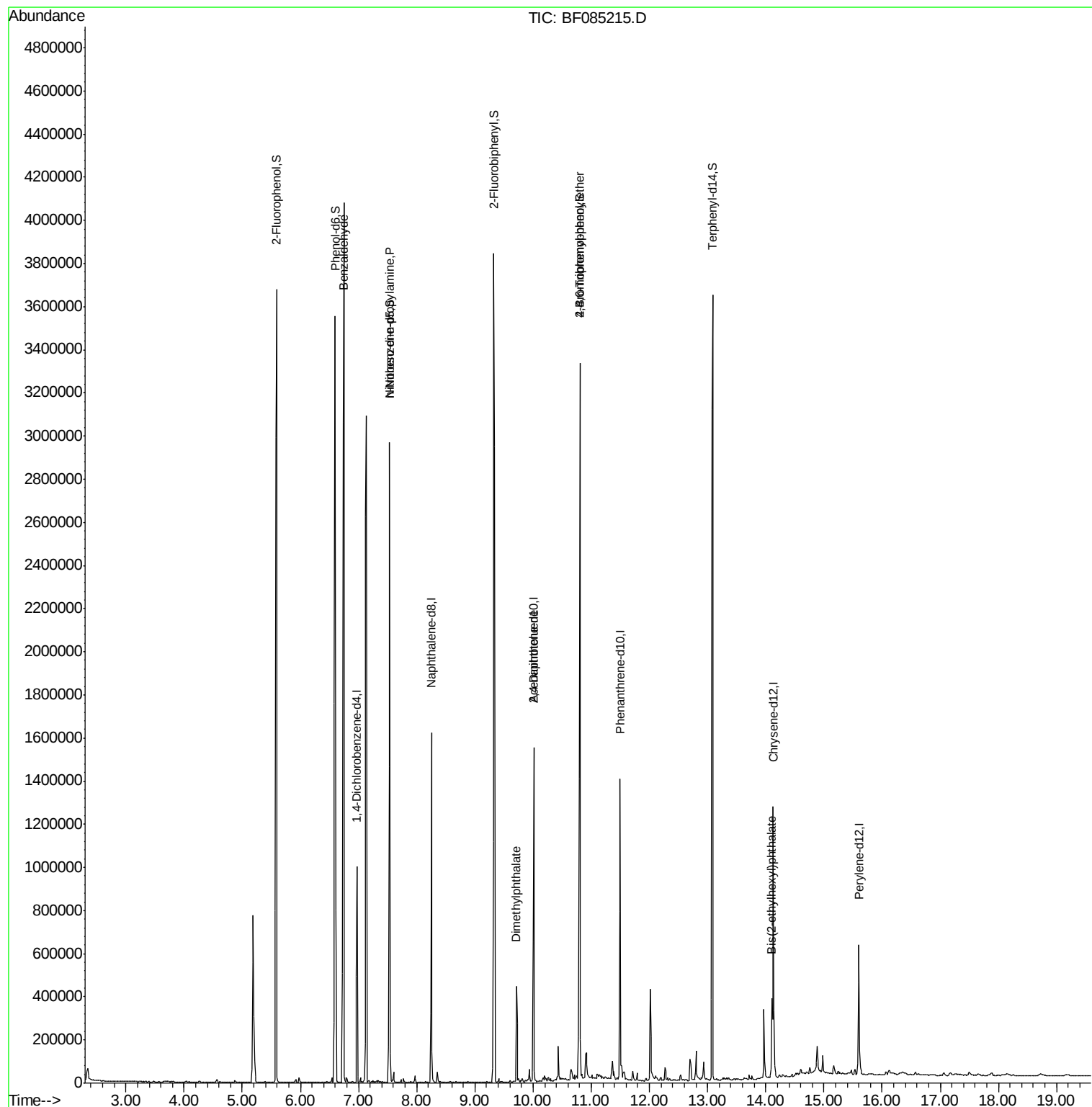
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 173458   | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8             | 8.25  | 136  | 707912   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 10.01 | 164  | 336066   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 607679   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 14.13 | 240  | 397714   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 15.60 | 264  | 289563   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.59  | 112  | 1552842  | 150.16 | ng    | 0.01      |
| 7) Phenol-d6                   | 6.60  | 99   | 1666839  | 123.03 | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 1133423  | 85.68  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 420922   | 146.38 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.33  | 172  | 1865826  | 84.44  | ng    | -0.02     |
| 78) Terphenyl-d14              | 13.09 | 244  | 1659612  | 96.87  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.74  | 77   | 34558    | 2.55   | ng    | Qvalue 91 |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 155982   | 17.66  | ng    | # 78      |
| 49) Dimethylphthalate          | 9.72  | 163  | 229794   | 8.91   | ng    | # 99      |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 42964    | 6.08   | ng    | # 22      |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 31280    | 5.30   | ng    | # 1       |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149  | 114140   | 6.39   | ng    | # 97      |

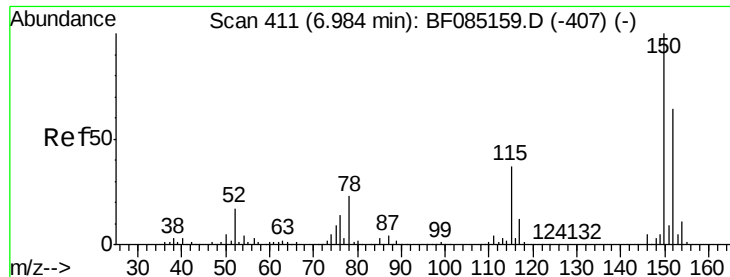
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030416\  
Data File : BF085215.D  
Acq On : 4 Mar 2016 21:06  
Operator : SJ/IZ  
Sample : H1684-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
48-BRIDGE-GRID-2

Quant Time: Mar 04 22:10:47 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085215.D

Acq: 4 Mar 2016 21:06

Instrument :

BNA\_F

ClientSampleId :

48-BRIDGE-GRID-2

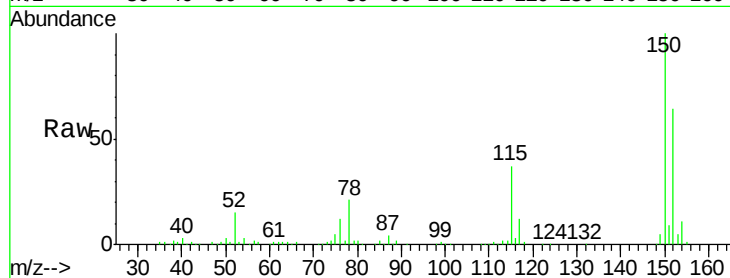
Tgt Ion:152 Resp: 173458

Ion Ratio Lower Upper

152 100

150 155.4 124.6 186.8

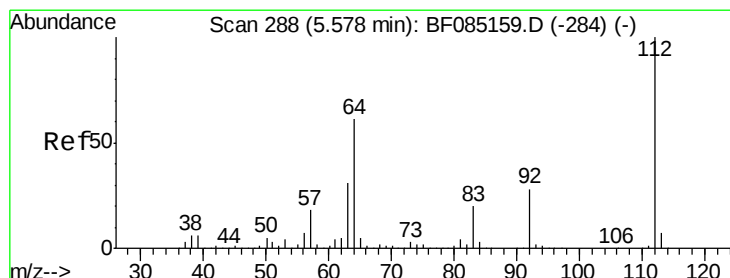
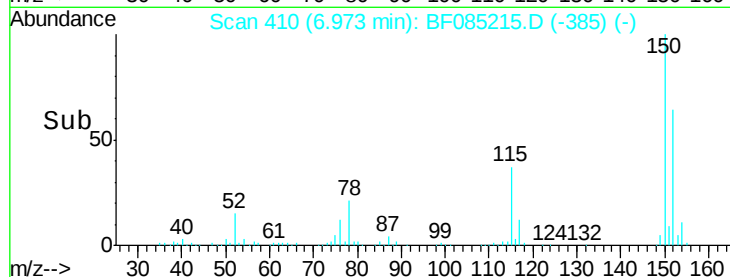
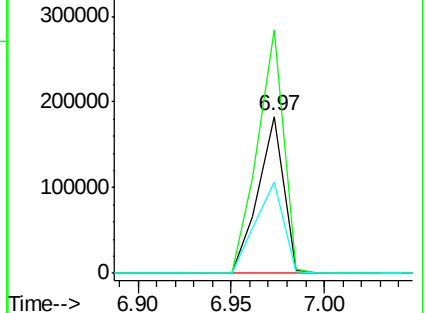
115 58.2 46.6 70.0



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: 150.16 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF085215.D

Acq: 4 Mar 2016 21:06

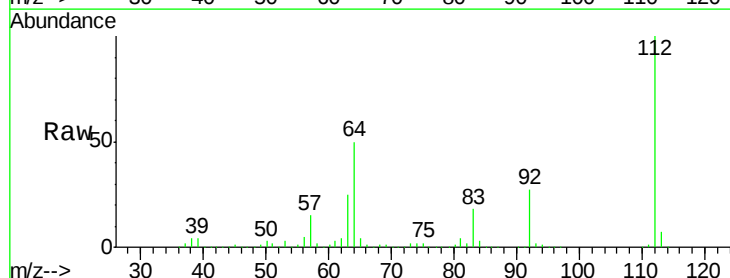
Tgt Ion:112 Resp: 1552842

Ion Ratio Lower Upper

112 100

64 50.4 49.0 73.4

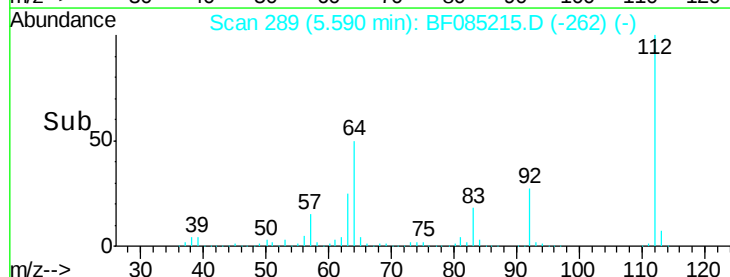
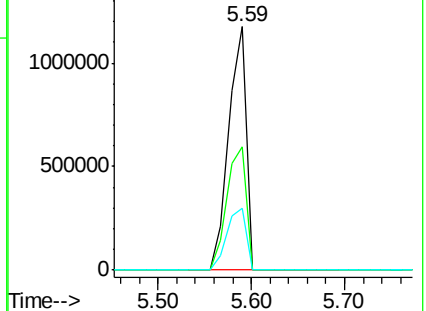
63 25.3 24.8 37.2

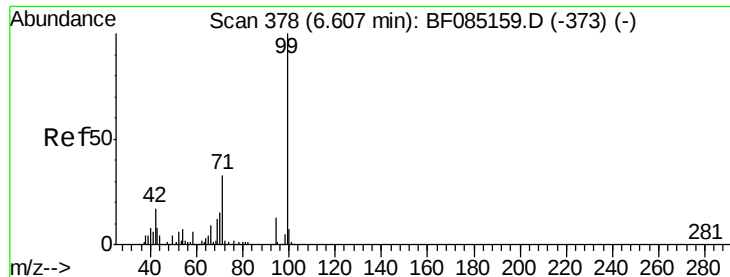


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.03 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085215.D

Acq: 4 Mar 2016 21:06

Instrument :

BNA\_F

ClientSampleId :

48-BRIDGE-GRID-2

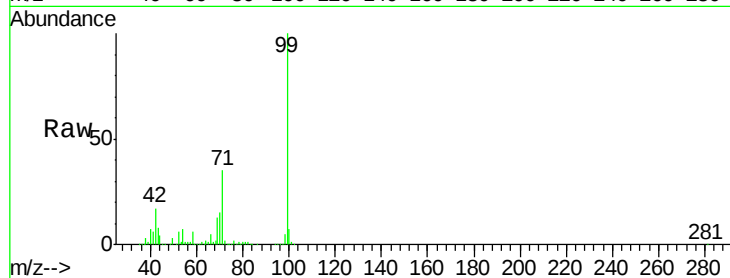
Tgt Ion: 99 Resp: 1666839

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

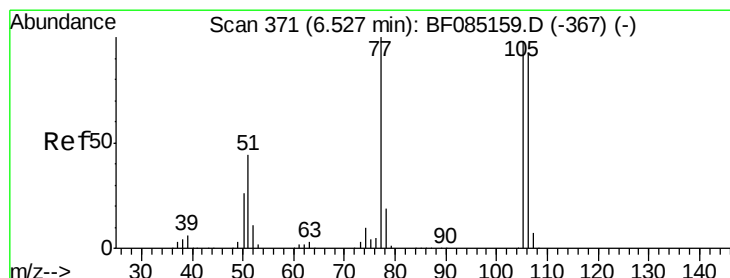
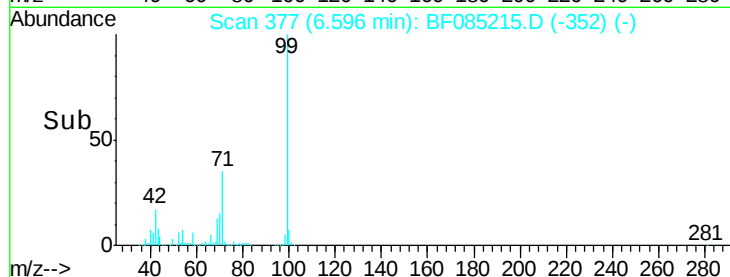
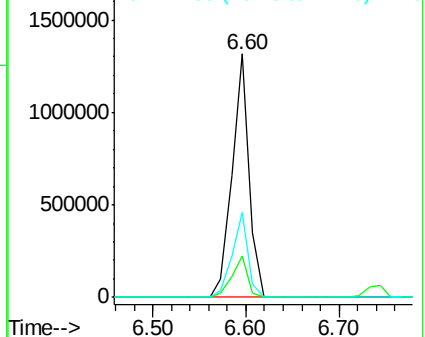
71 35.0 26.7 40.1



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



#9

Benzaldehyde

Concen: 2.55 ng

RT: 6.74 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF085215.D

Acq: 4 Mar 2016 21:06

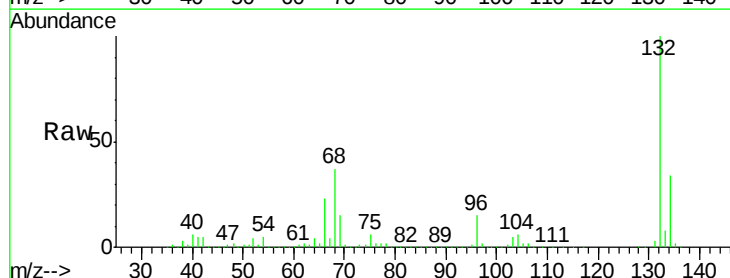
Tgt Ion: 77 Resp: 34558

Ion Ratio Lower Upper

77 100

105 90.3 78.2 118.2

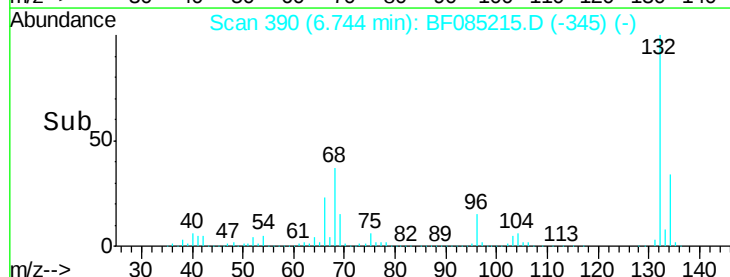
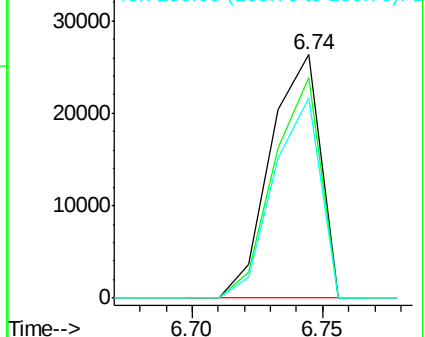
106 82.4 72.9 112.9

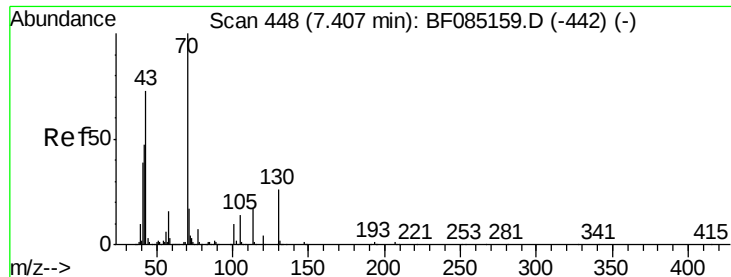


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

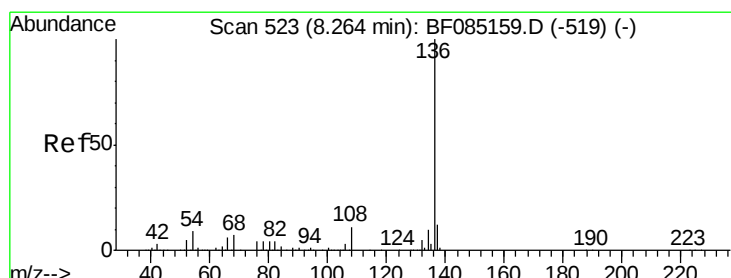
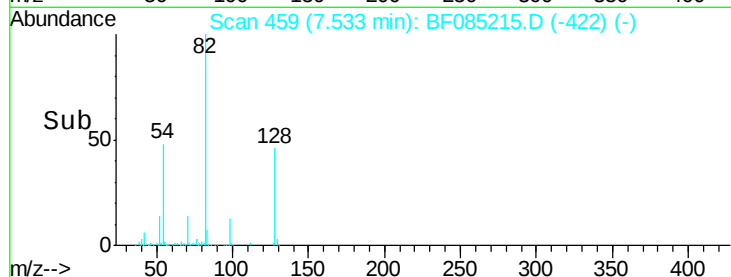
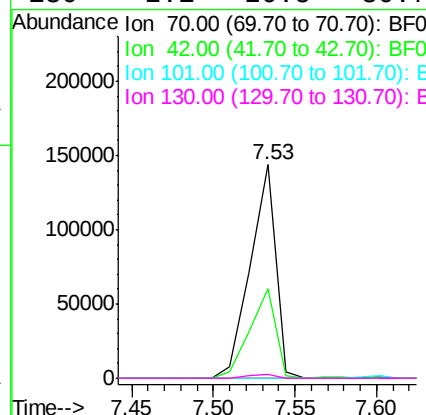
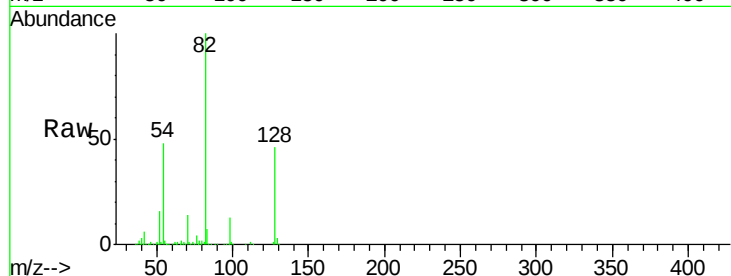




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.66 ng  
RT: 7.53 min Scan# 459  
Delta R.T. 0.13 min  
Lab File: BF085215.D  
Acq: 4 Mar 2016 21:06

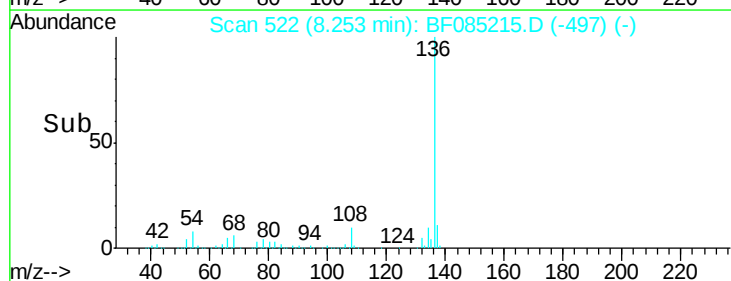
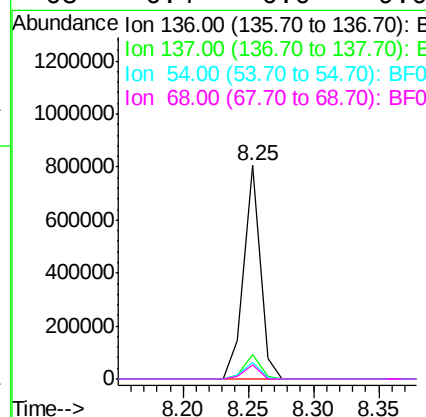
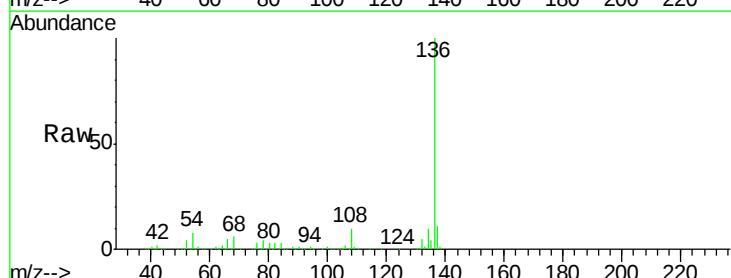
Instrument :  
BNA\_F  
ClientSampleId :  
48-BRIDGE-GRID-2

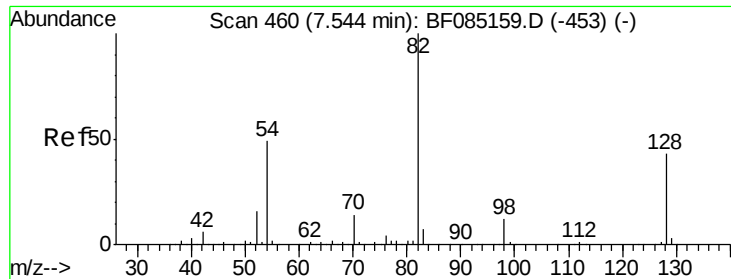
Tgt Ion: 70 Resp: 155982  
Ion Ratio Lower Upper  
70 100  
42 41.9 37.7 56.5  
101 0.0 8.2 12.4#  
130 2.1 20.5 30.7#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.25 min Scan# 522  
Delta R.T. -0.01 min  
Lab File: BF085215.D  
Acq: 4 Mar 2016 21:06

Tgt Ion: 136 Resp: 707912  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.3 13.9  
54 7.9 7.4 11.2  
68 6.4 6.0 9.0

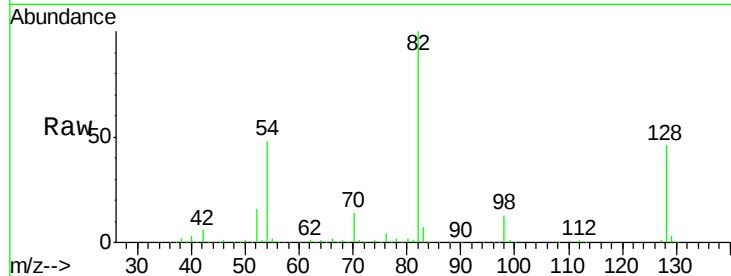




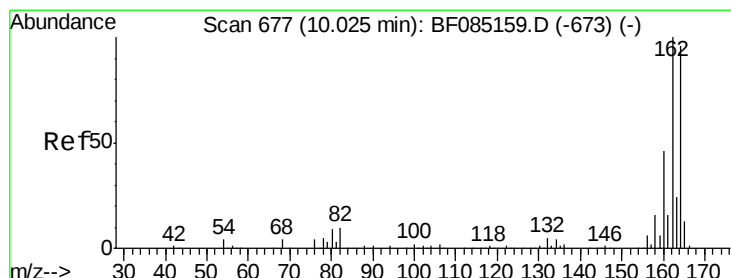
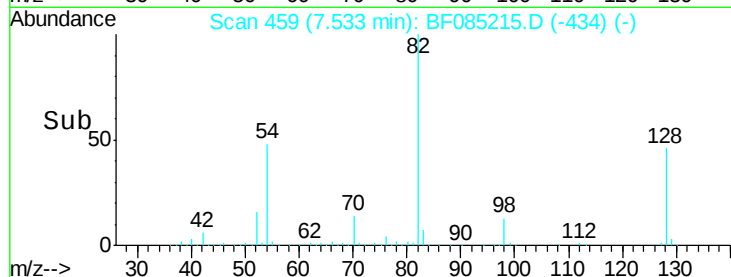
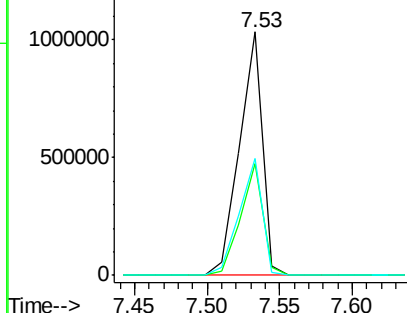
#23  
 Nitrobenzene-d5  
 Concen: 85.68 ng  
 RT: 7.53 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 48-BRIDGE-GRID-2

Tgt Ion: 82 Resp: 1133423  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 34.5 51.7  
 54 47.9 39.3 58.9

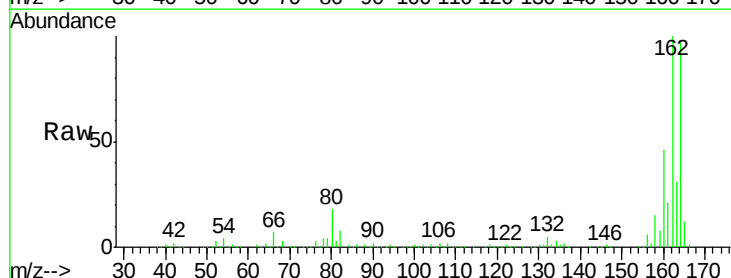


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

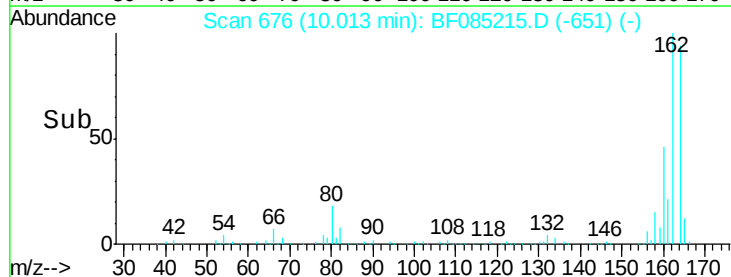
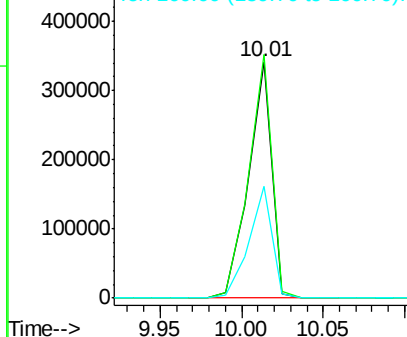


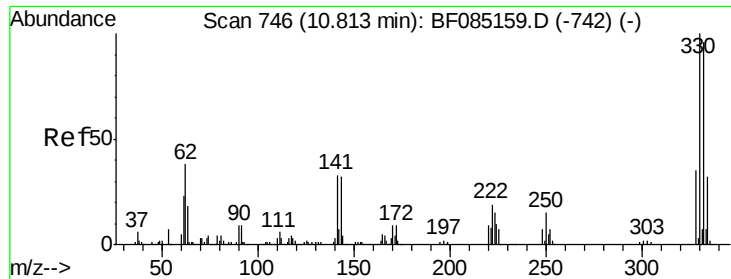
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.01 min Scan# 676  
 Delta R.T. -0.01 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Tgt Ion: 164 Resp: 336066  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 83.3 124.9  
 160 47.2 37.9 56.9



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

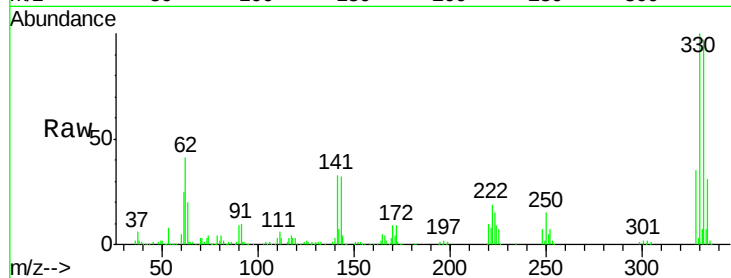




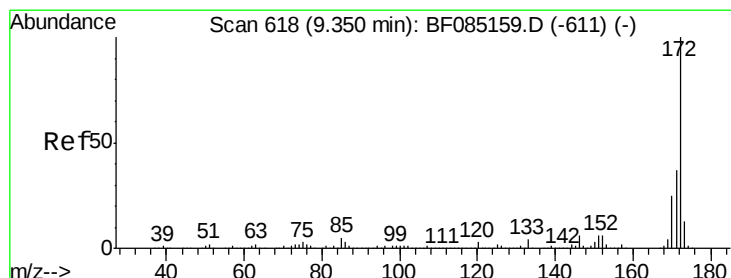
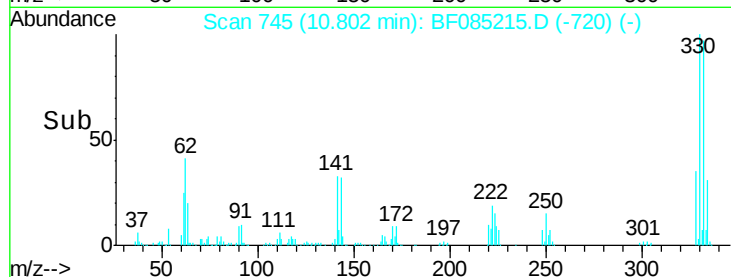
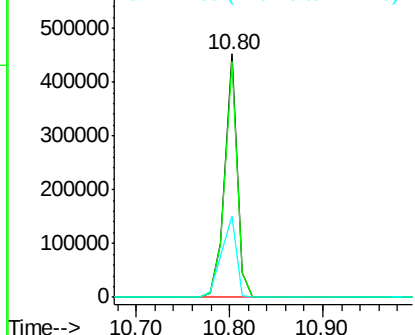
#41  
 2,4,6-Tribromophenol  
 Concen: 146.38 ng  
 RT: 10.80 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 48-BRIDGE-GRID-2

Tgt Ion:330 Resp: 420922  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.1 115.7  
 141 39.6 35.0 52.6

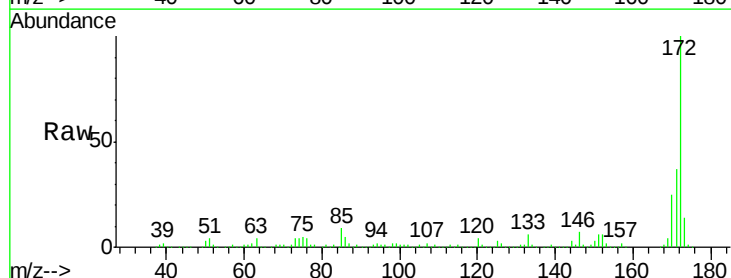


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

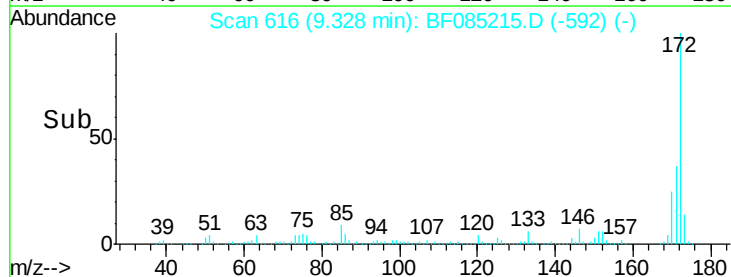
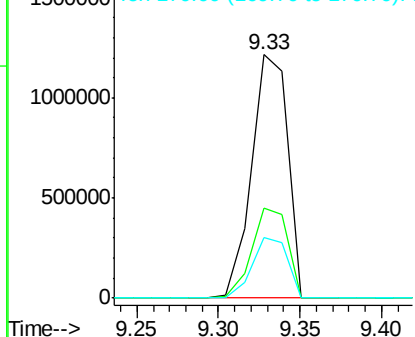


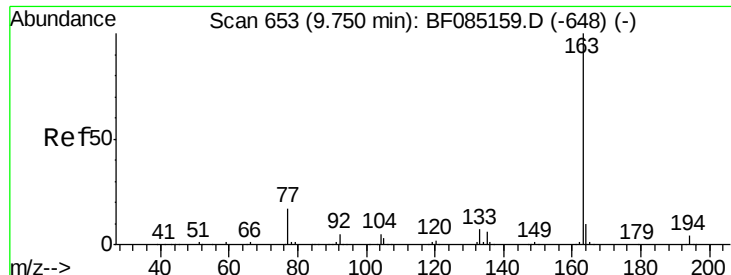
#44  
 2-Fluorobiphenyl  
 Concen: 84.44 ng  
 RT: 9.33 min Scan# 616  
 Delta R.T. -0.02 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Tgt Ion:172 Resp: 1865826  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.3 43.9  
 170 24.7 20.0 30.0



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

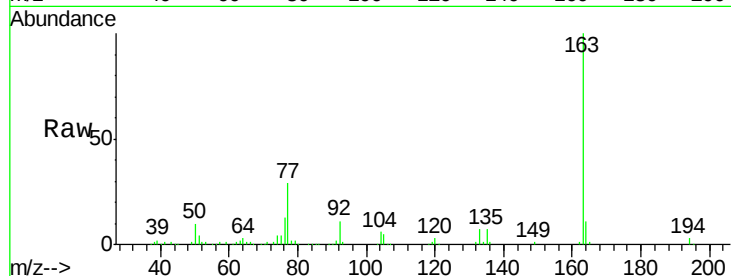




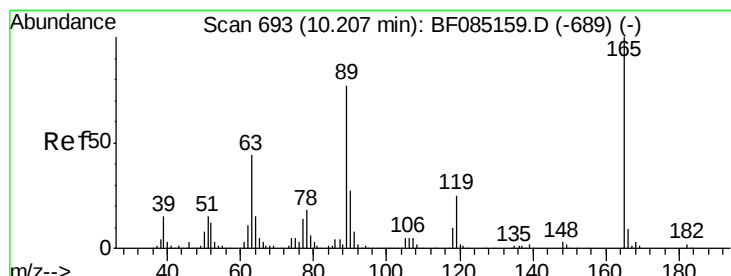
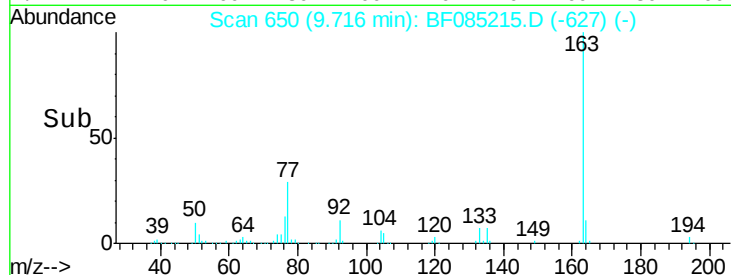
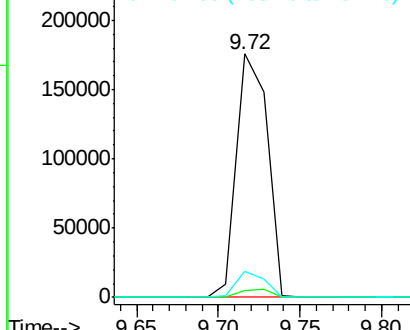
#49  
Dimethylphthalate  
Concen: 8.91 ng  
RT: 9.72 min Scan# 650  
Delta R.T. -0.03 min  
Lab File: BF085215.D  
Acq: 4 Mar 2016 21:06

Instrument :  
BNA\_F  
ClientSampleId :  
48-BRIDGE-GRID-2

Tgt Ion:163 Resp: 229794  
Ion Ratio Lower Upper  
163 100  
194 3.0 3.1 4.7#  
164 10.6 8.2 12.4

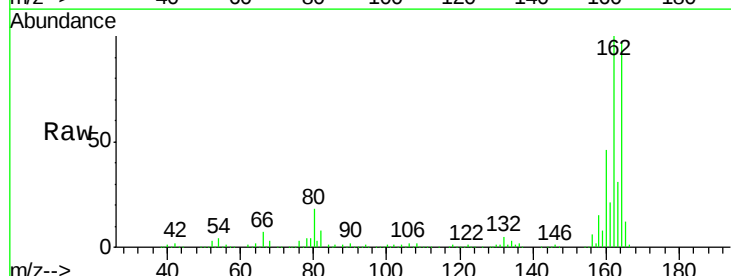


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

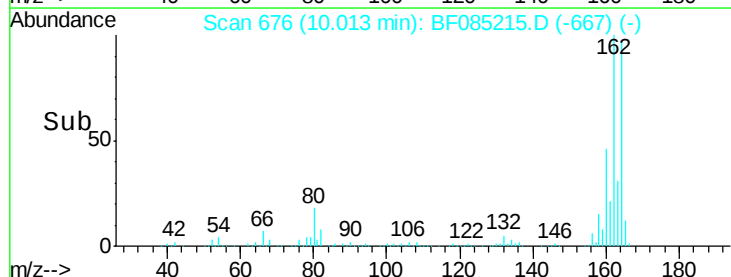
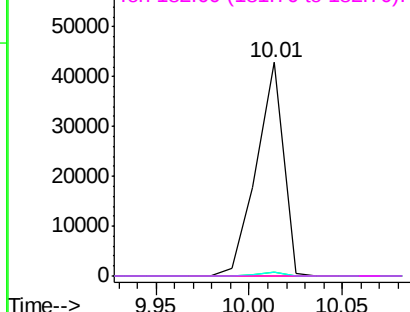


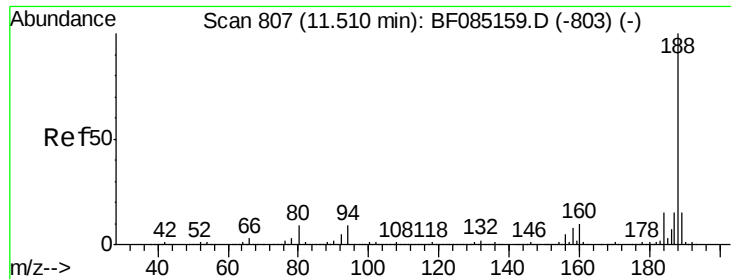
#56  
2,4-Dinitrotoluene  
Concen: 6.08 ng  
RT: 10.01 min Scan# 676  
Delta R.T. -0.19 min  
Lab File: BF085215.D  
Acq: 4 Mar 2016 21:06

Tgt Ion:165 Resp: 42964  
Ion Ratio Lower Upper  
165 100  
63 1.5 35.4 53.0#  
89 1.8 61.9 92.9#  
182 0.0 1.9 2.9#



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

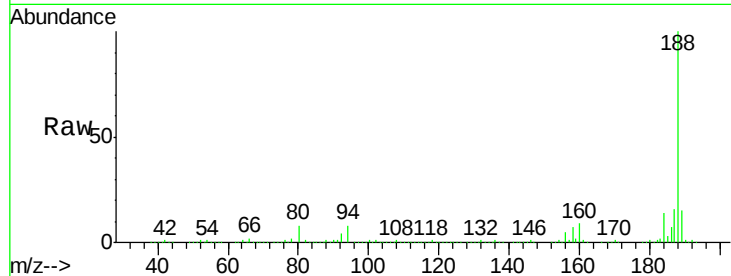




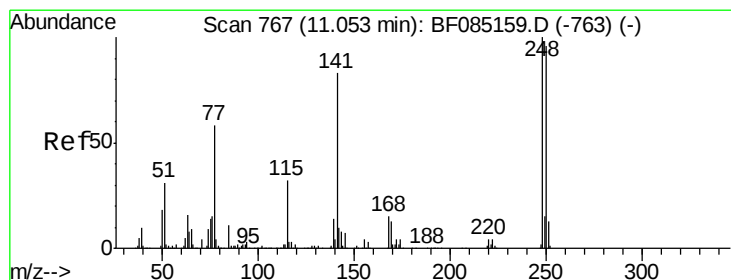
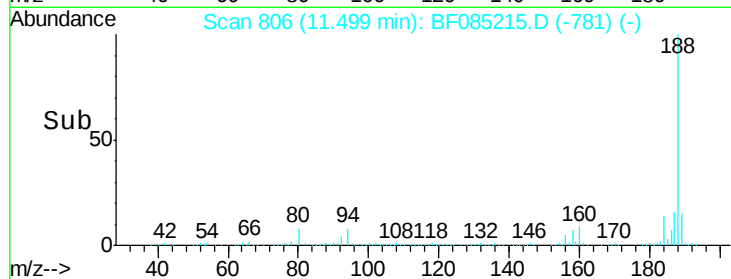
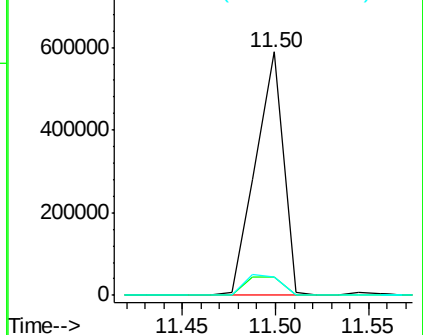
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.50 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 48-BRIDGE-GRID-2

Tgt Ion:188 Resp: 607679  
 Ion Ratio Lower Upper  
 188 100  
 94 7.8 7.0 10.6  
 80 7.6 7.4 11.0

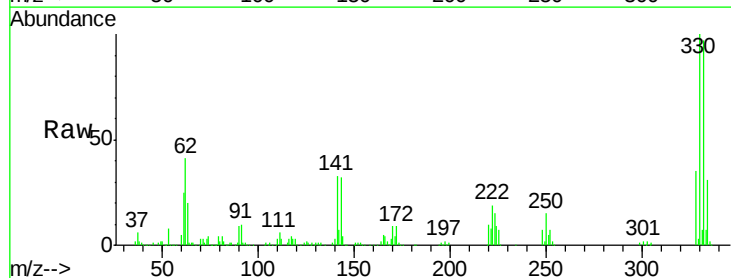


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

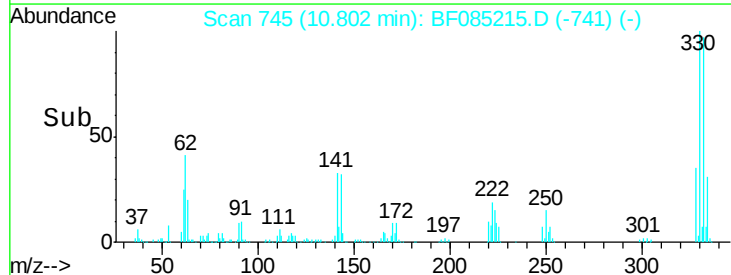
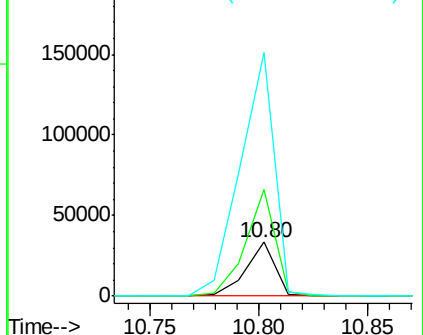


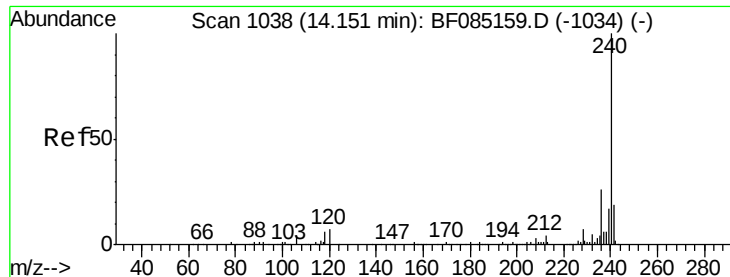
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.30 ng  
 RT: 10.80 min Scan# 745  
 Delta R.T. -0.25 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Tgt Ion:248 Resp: 31280  
 Ion Ratio Lower Upper  
 248 100  
 250 199.0 77.1 115.7#  
 141 451.5 66.2 99.2#



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: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085215.D

Acq: 4 Mar 2016 21:06

Instrument :

BNA\_F

ClientSampleId :

48-BRIDGE-GRID-2

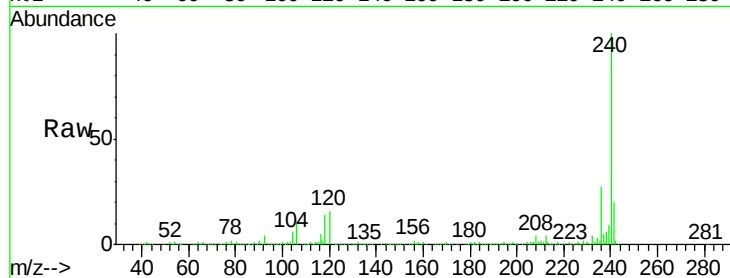
Tgt Ion:240 Resp: 397714

Ion Ratio Lower Upper

240 100

120 16.3 5.3 7.9#

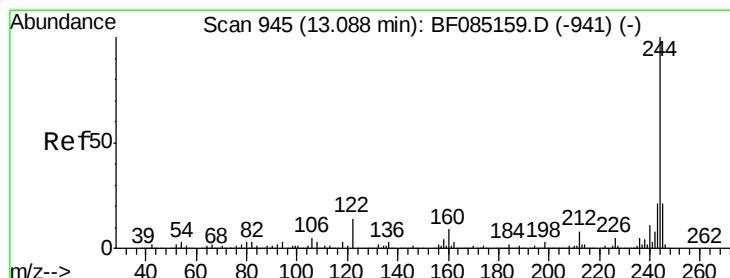
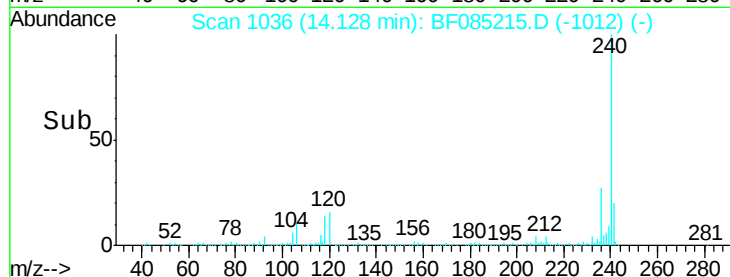
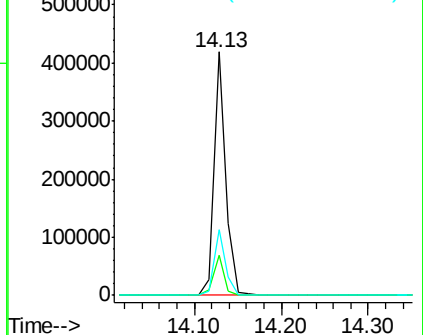
236 26.8 20.7 31.1



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: 96.87 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085215.D

Acq: 4 Mar 2016 21:06

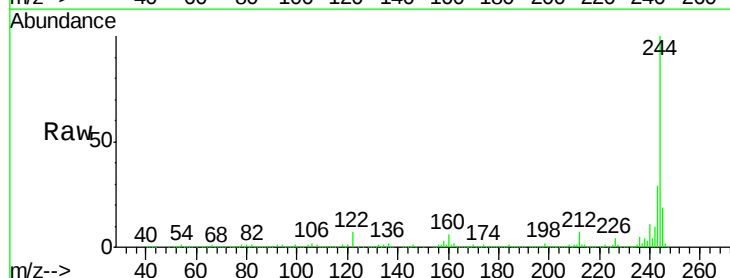
Tgt Ion:244 Resp: 1659612

Ion Ratio Lower Upper

244 100

212 6.7 6.4 9.6

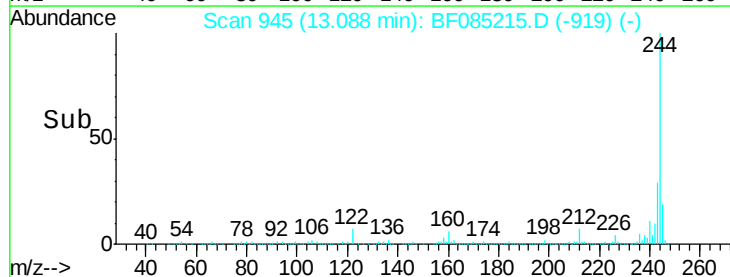
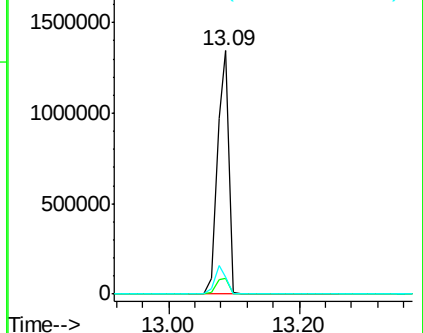
122 7.1 11.4 17.2#

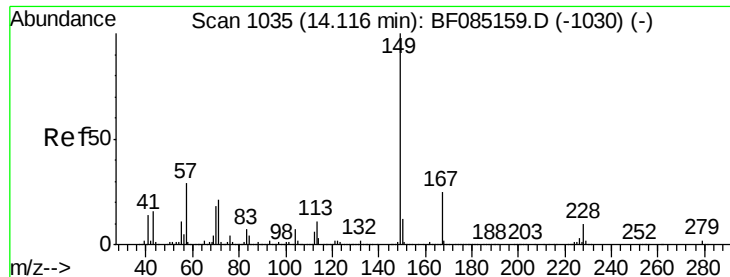


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

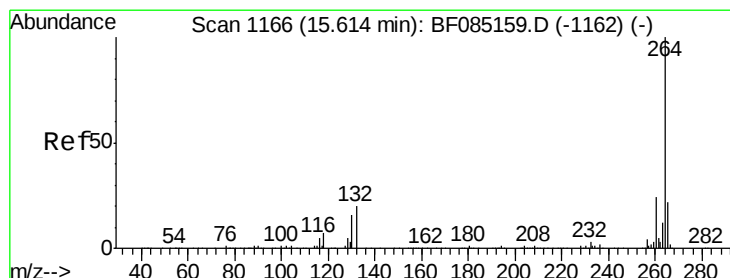
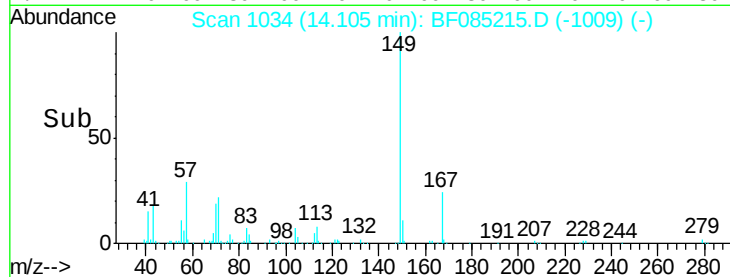
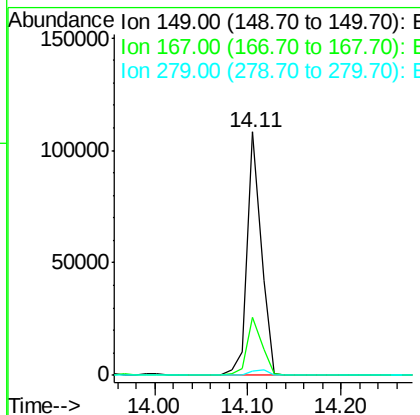
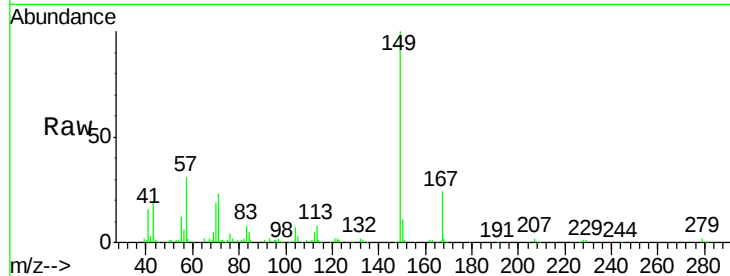




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 6.39 ng  
 RT: 14.11 min Scan# 1034  
 Delta R.T. -0.01 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 48-BRIDGE-GRID-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 23.7  | 20.3  | 30.5  |
| 279     | 1.7   | 1.9   | 2.9#  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.60 min Scan# 1165  
 Delta R.T. -0.01 min  
 Lab File: BF085215.D  
 Acq: 4 Mar 2016 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.2  | 17.3  | 25.9  |

