

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\  
 Data File : BF090259.D  
 Acq On : 27 Sep 2016 18:37  
 Operator : UM/SJ  
 Sample : H4933-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1B-15-15.5-BGS

Quant Time: Sep 28 01:04:34 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 26 15:58:38 2016  
 Response via : Initial Calibration

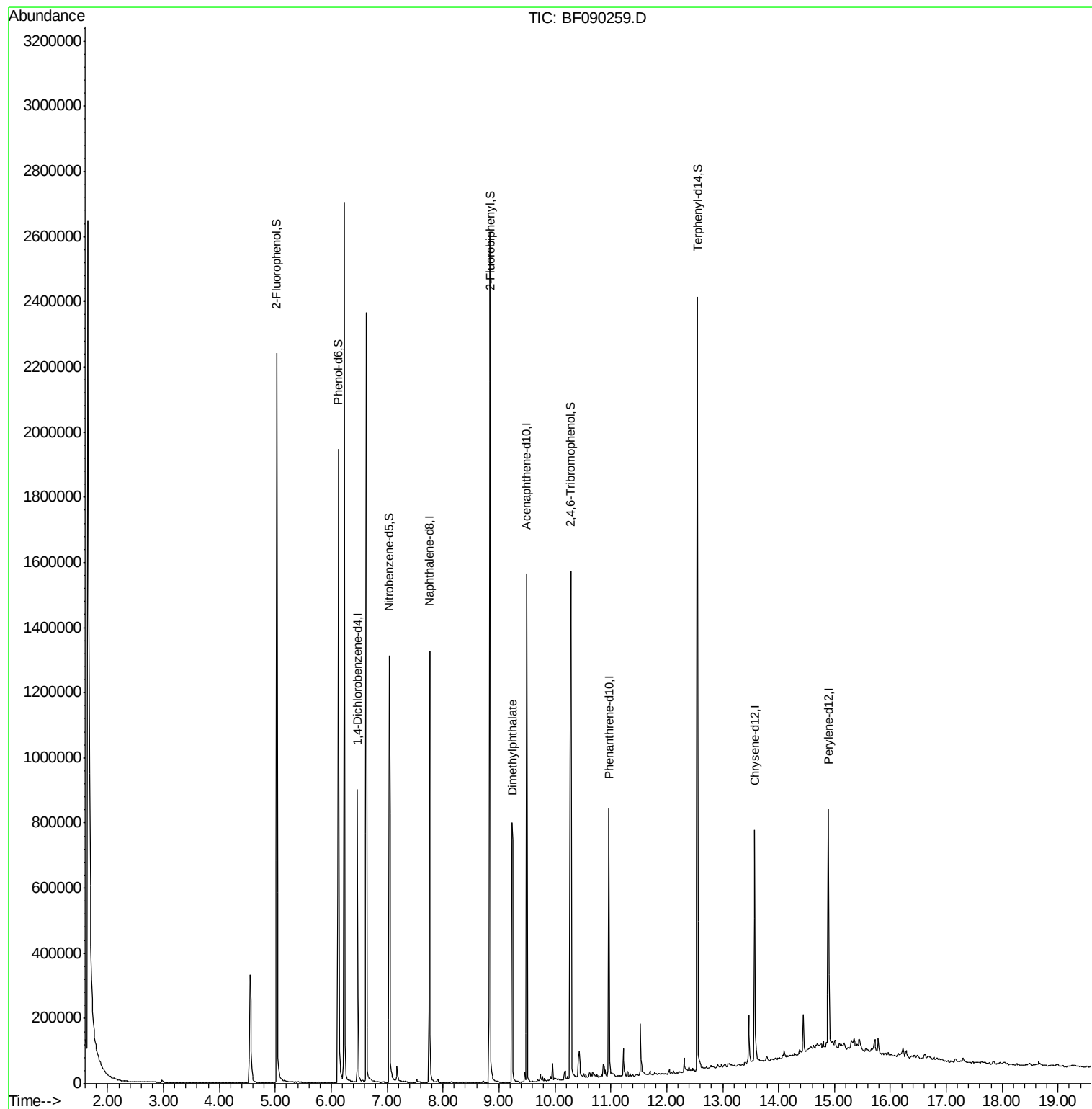
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.47  | 152  | 153664   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.76  | 136  | 619875   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.50  | 164  | 323455   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 10.97 | 188  | 477031   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.58 | 240  | 327895   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 14.89 | 264  | 290313   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 832374   | 88.29 | ng    | 0.00     |
| 7) Phenol-d6                | 6.12  | 99   | 1131333  | 97.17 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.04  | 82   | 649674   | 60.76 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.28 | 330  | 268381   | 96.71 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.84  | 172  | 1258373  | 76.38 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.55 | 244  | 796977   | 61.71 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.24  | 163  | 570564   | 27.69 | ng    | 98       |

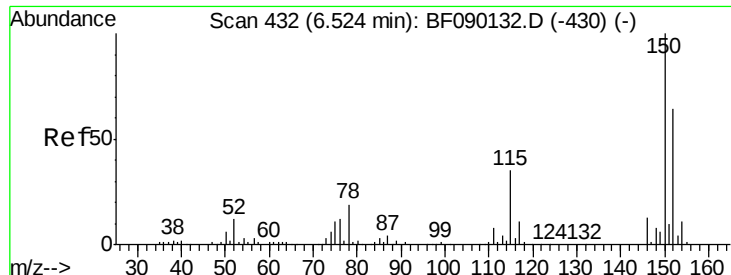
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



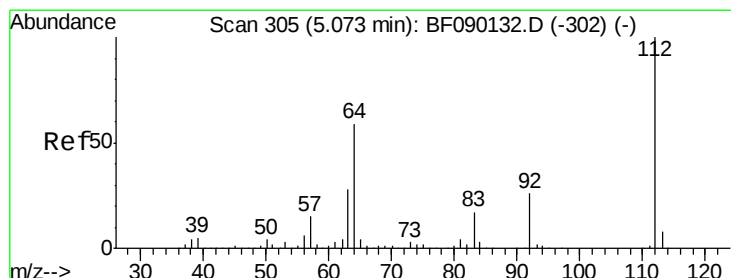
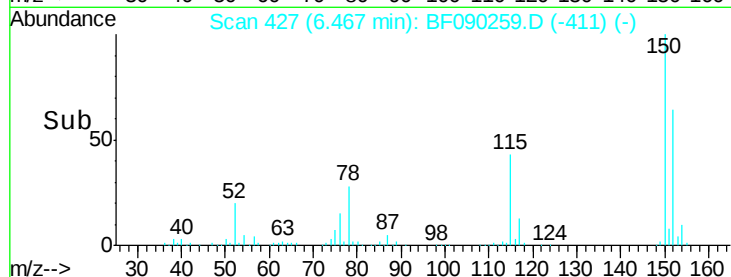
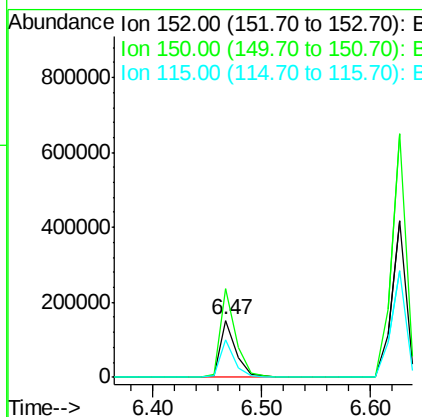
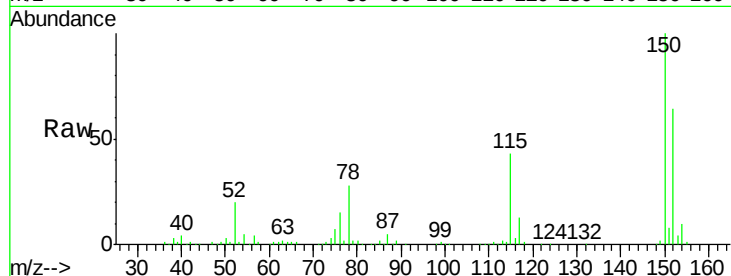


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.47 min Scan# 427  
 Delta R.T. -0.01 min  
 Lab File: BF090259.D  
 Acq: 27 Sep 2016 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1B-15-15.5-BGS

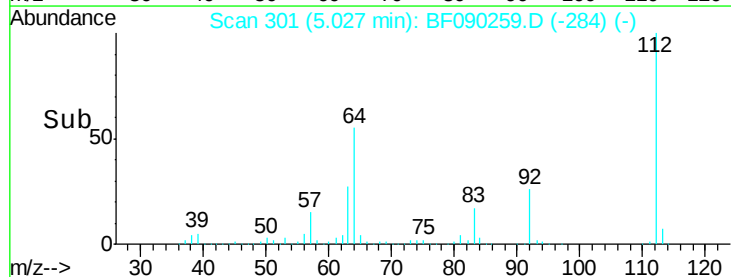
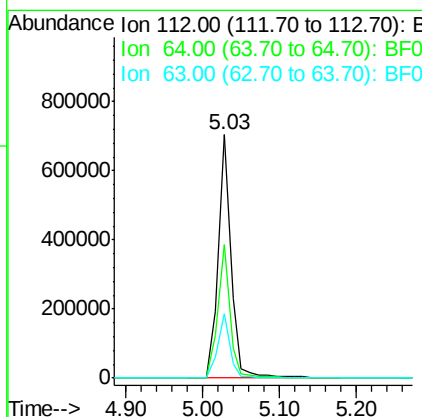
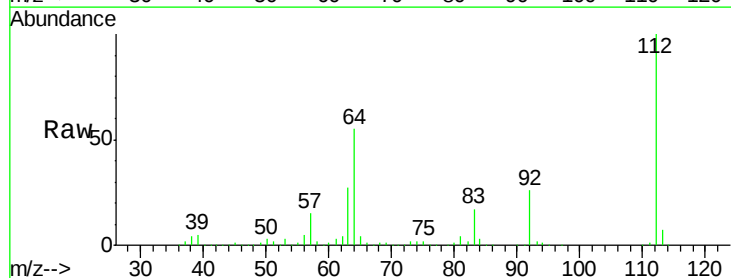
Tot Ion:152 Resp: 153664  
 Ion Ratio Lower Upper  
 152 100  
 150 155.8 128.9 193.3  
 115 66.6 55.5 83.3



#5

2-Fluorophenol  
 Concen: 88.29 ng  
 RT: 5.03 min Scan# 301  
 Delta R.T. -0.00 min  
 Lab File: BF090259.D  
 Acq: 27 Sep 2016 18:37

Tgt Ion:112 Resp: 832374  
 Ion Ratio Lower Upper  
 112 100  
 64 54.9 39.8 59.6  
 63 26.6 18.9 28.3





#7

Phenol-d6

Concen: 97.17 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090259.D

Acq: 27 Sep 2016 18:37

Instrument :

BNA\_F

ClientSampleId :

B1B-15-15.5-BGS

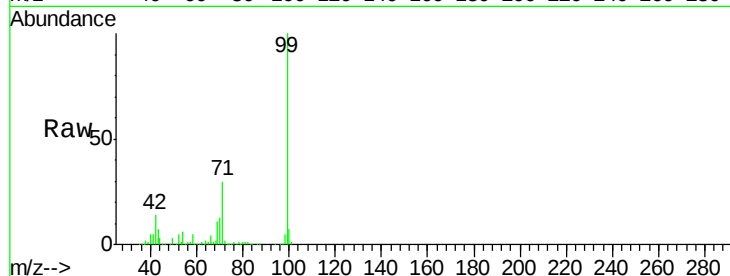
Tot Ion: 99 Resp: 1131333

Ion Ratio Lower Upper

99 100

42 13.5 10.6 15.8

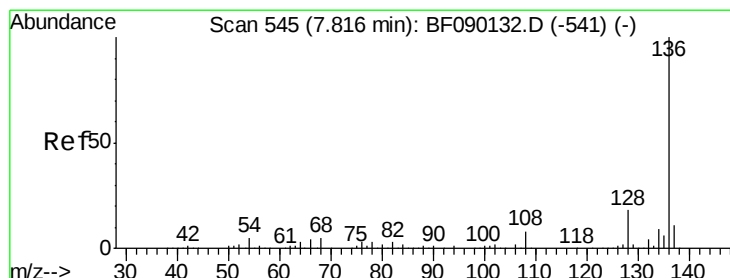
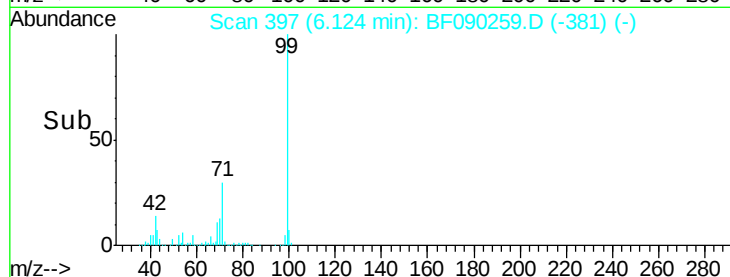
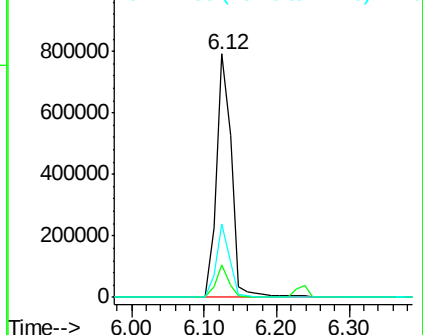
71 30.2 23.0 34.6



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF090259.D

Acq: 27 Sep 2016 18:37

Tgt Ion: 136 Resp: 619875

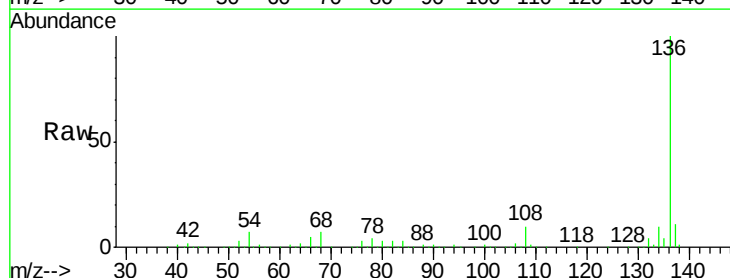
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.0 6.4 9.6

68 6.7 6.3 9.5

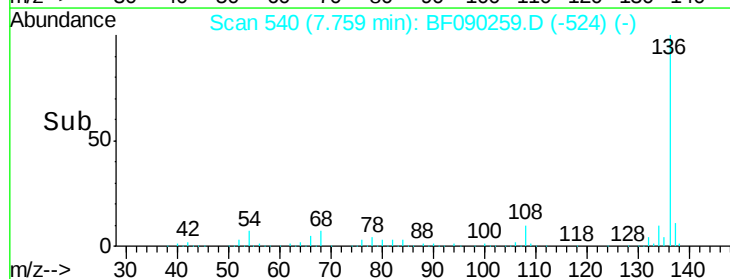
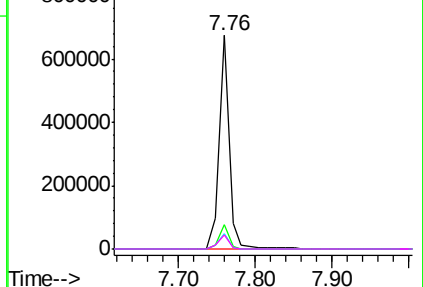


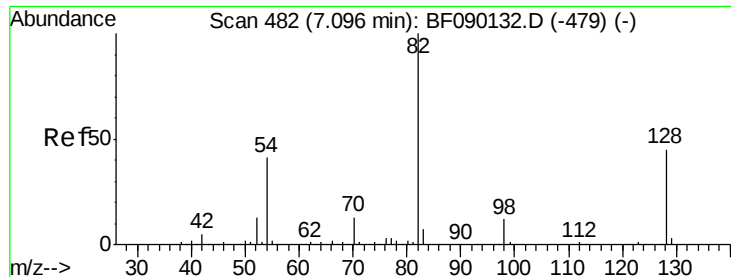
Abundance Ion 136.00 (135.70 to 136.70): E

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

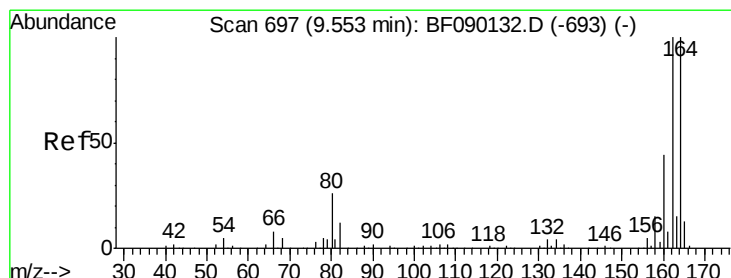
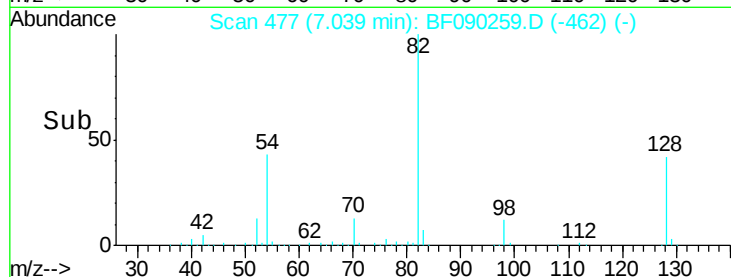
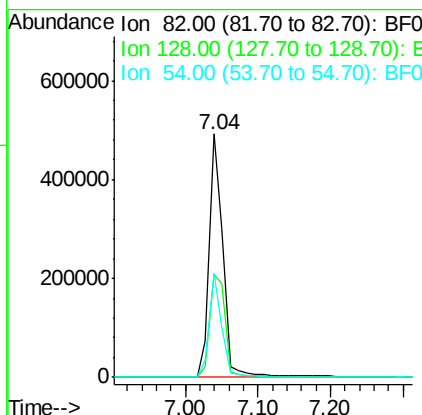
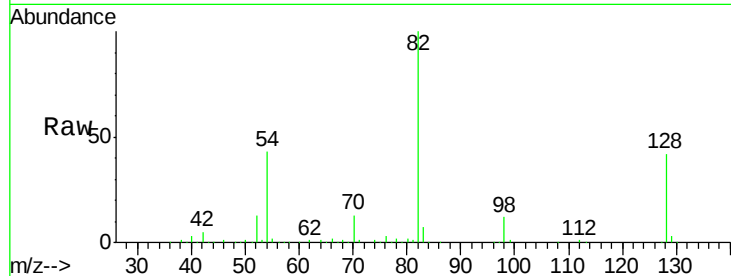




#23  
 Nitrobenzene-d5  
 Concen: 60.76 ng  
 RT: 7.04 min Scan# 477  
 Delta R.T. -0.02 min  
 Lab File: BF090259.D  
 Acq: 27 Sep 2016 18:37

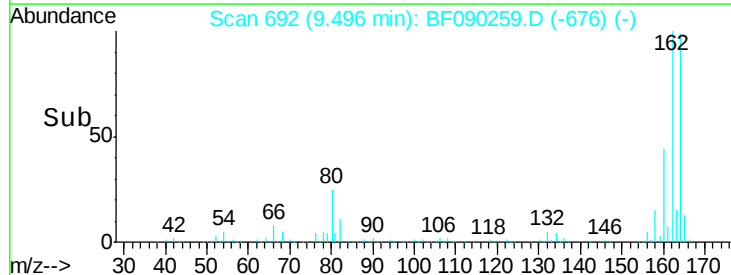
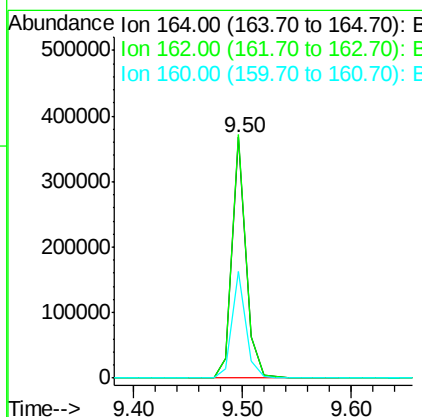
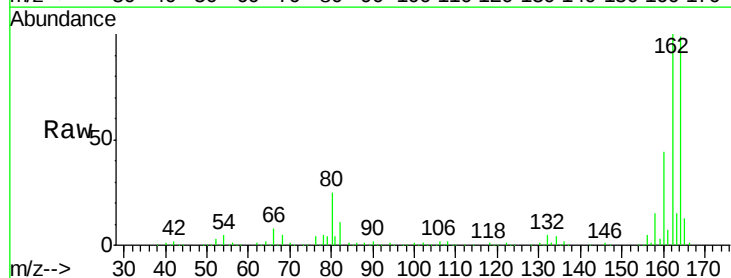
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1B-15-15.5-BGS

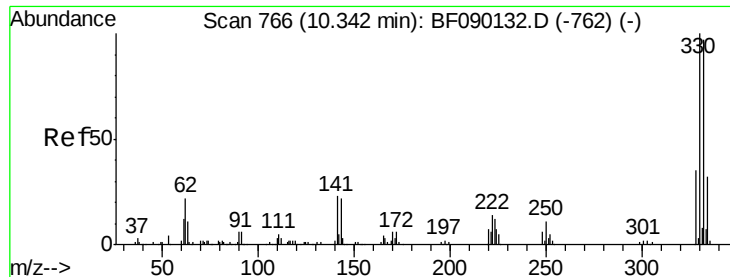
Tot Ion: 82 Resp: 649674  
 Ion Ratio Lower Upper  
 82 100  
 128 42.5 37.5 56.3  
 54 42.6 31.9 47.9



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.50 min Scan# 692  
 Delta R.T. -0.01 min  
 Lab File: BF090259.D  
 Acq: 27 Sep 2016 18:37

Tgt Ion: 164 Resp: 323455  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 81.4 122.2  
 160 44.5 36.6 54.8

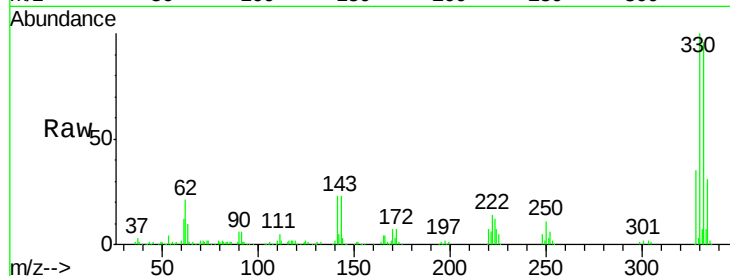




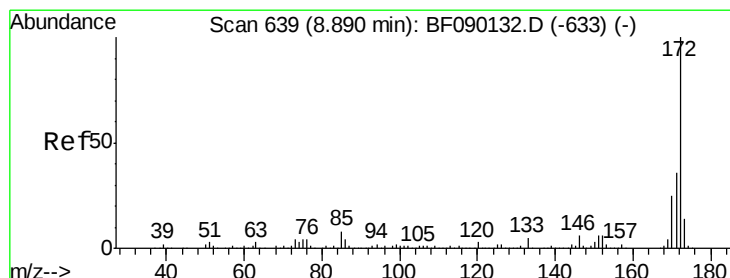
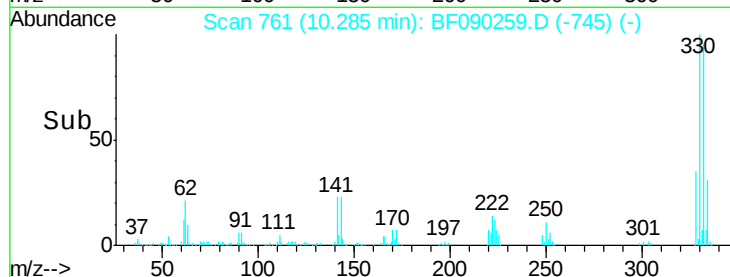
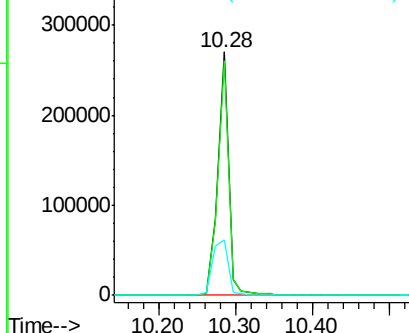
#41  
 2,4,6-Tribromophenol  
 Concen: 96.71 ng  
 RT: 10.28 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: BF090259.D  
 Acq: 27 Sep 2016 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1B-15-15.5-BGS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 78.1  | 117.1 |
| 141     | 32.8  | 23.9  | 35.9  |

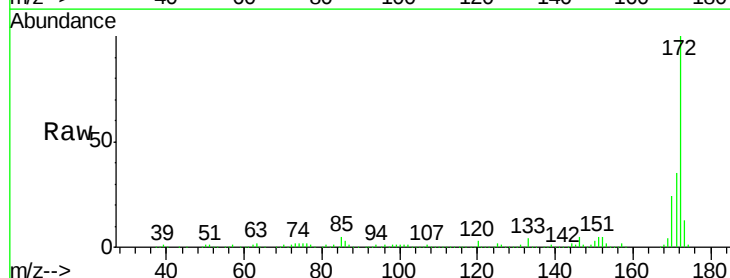


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

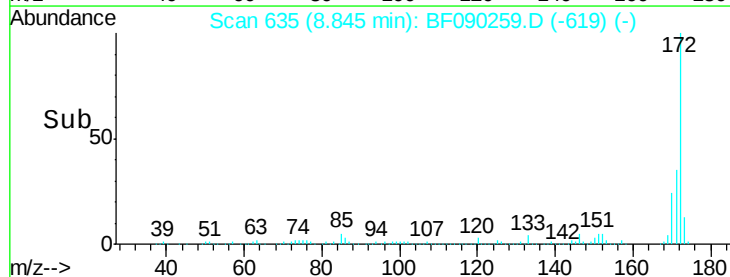
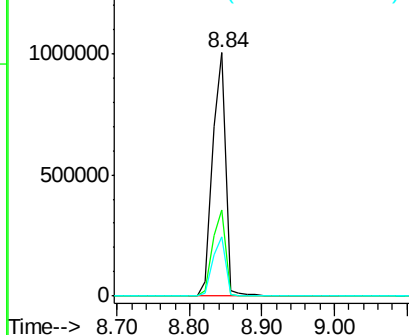


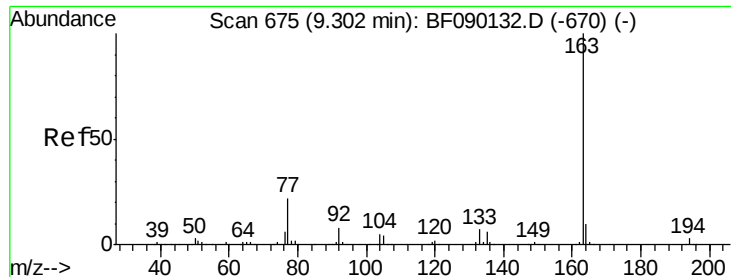
#44  
 2-Fluorobiphenyl  
 Concen: 76.38 ng  
 RT: 8.84 min Scan# 635  
 Delta R.T. -0.01 min  
 Lab File: BF090259.D  
 Acq: 27 Sep 2016 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 29.2  | 43.8  |
| 170     | 24.3  | 19.8  | 29.8  |



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

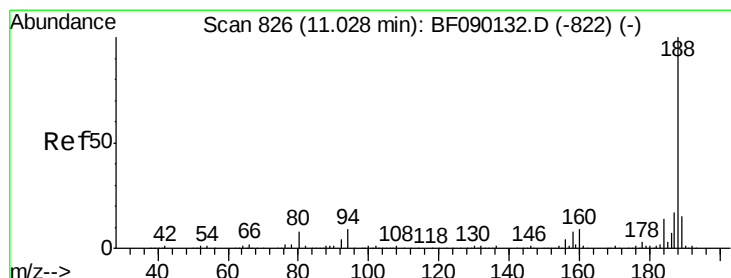
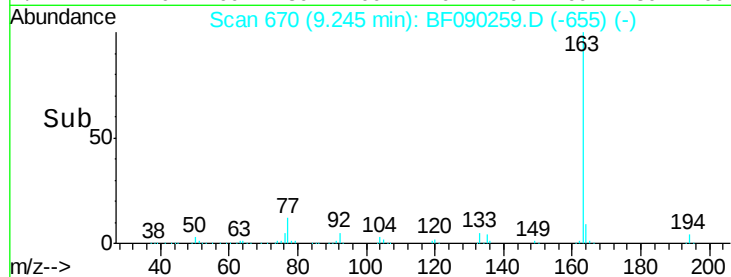
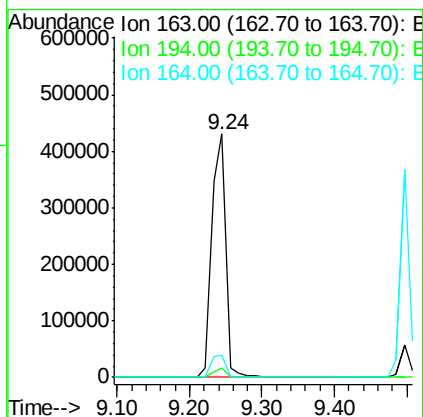
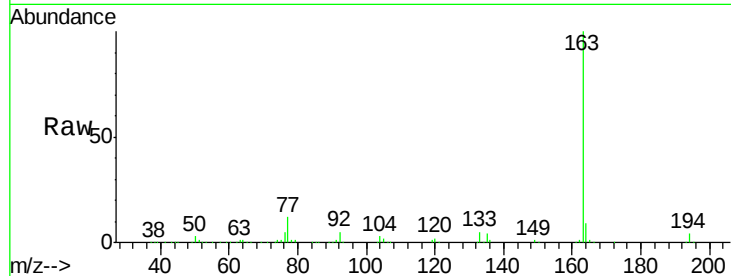




#49  
Dimethylphthalate  
Concen: 27.69 ng  
RT: 9.24 min Scan# 670  
Delta R.T. -0.02 min  
Lab File: BF090259.D  
Acq: 27 Sep 2016 18:37

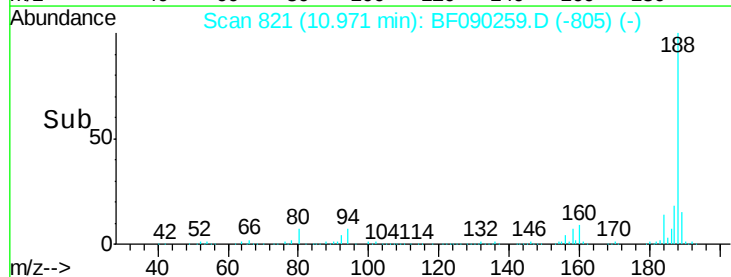
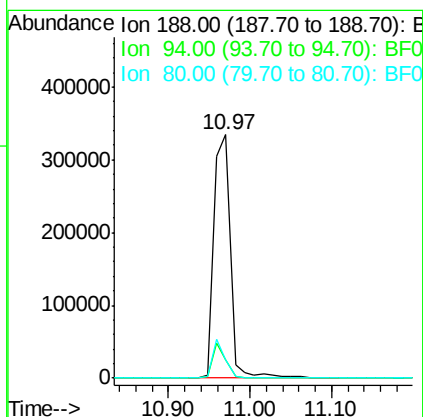
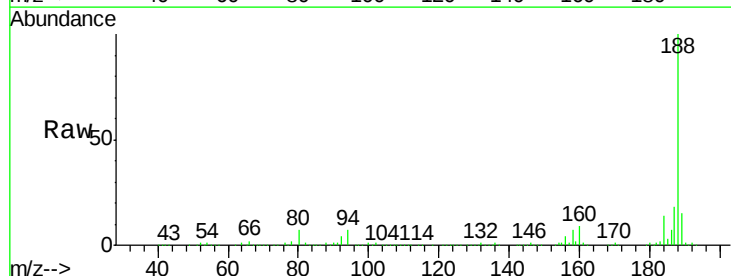
Instrument :  
BNA\_F  
ClientSampleId :  
B1B-15-15.5-BGS

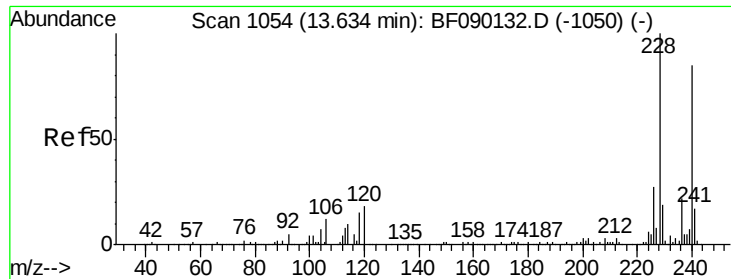
Tot Ion:163 Resp: 570564  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.8 4.2  
164 9.2 8.1 12.1



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.97 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF090259.D  
Acq: 27 Sep 2016 18:37

Tgt Ion:188 Resp: 477031  
Ion Ratio Lower Upper  
188 100  
94 7.3 10.5 15.7#  
80 7.3 11.2 16.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090259.D

Acq: 27 Sep 2016 18:37

Instrument :

BNA\_F

ClientSampleId :

B1B-15-15.5-BGS

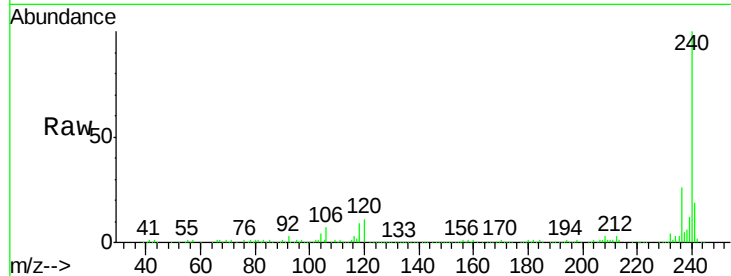
Tot Ion:240 Resp: 327895

Ion Ratio Lower Upper

240 100

120 10.6 10.6 16.0

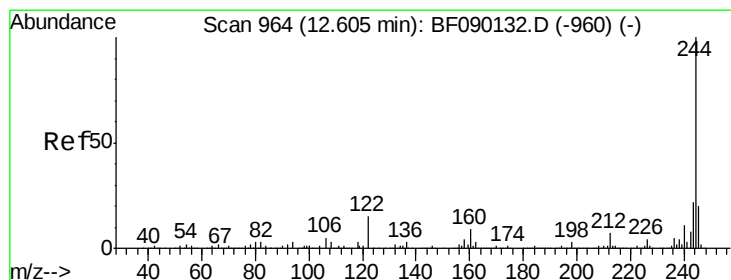
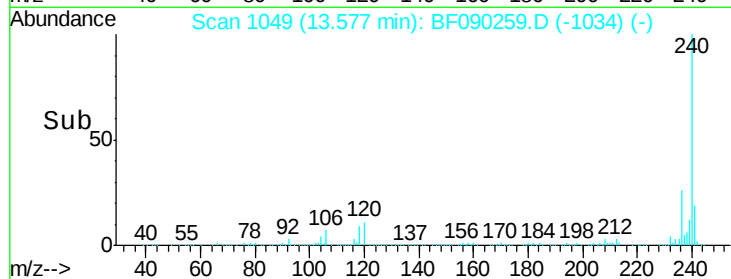
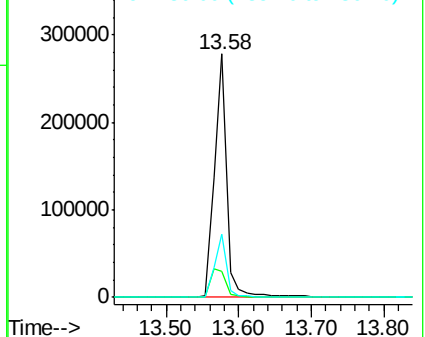
236 26.0 21.6 32.4



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: 61.71 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090259.D

Acq: 27 Sep 2016 18:37

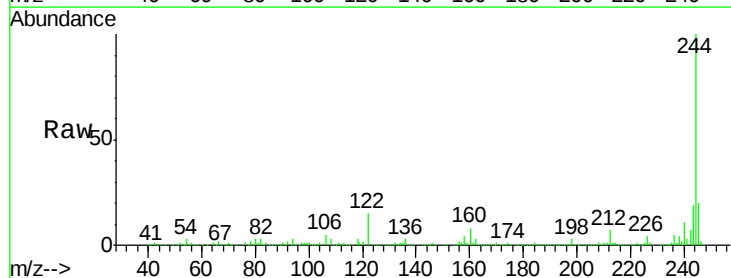
Tgt Ion:244 Resp: 796977

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

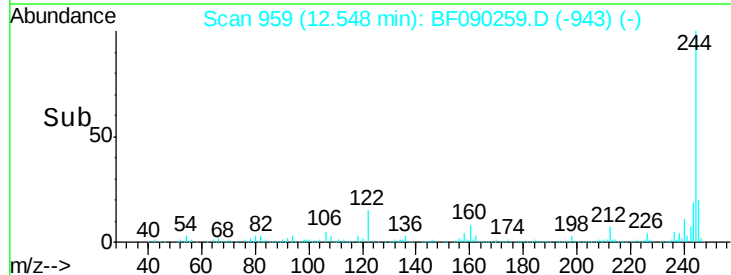
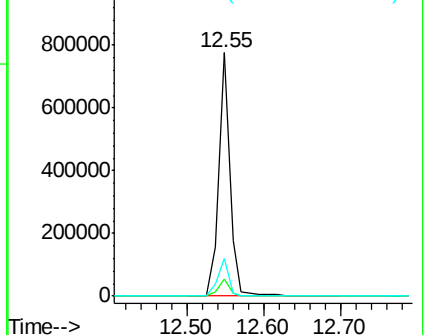
122 15.3 9.4 14.0#

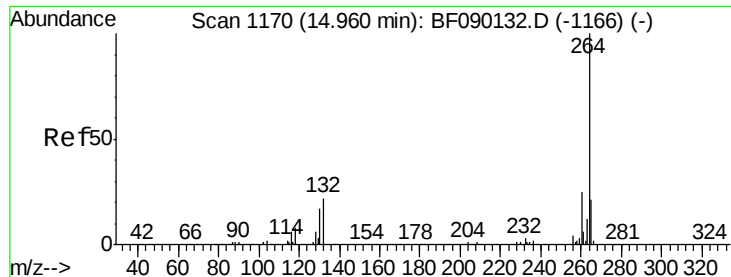


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.89 min Scan# 1164  
Delta R.T. -0.02 min  
Lab File: BF090259.D  
Acq: 27 Sep 2016 18:37

Instrument :  
BNA\_F  
ClientSampleId :  
B1B-15-15.5-BGS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.5  | 29.3  |
| 265     | 22.1  | 17.0  | 25.4  |

