

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093016\  
 Data File : BF090332.D  
 Acq On : 1 Oct 2016 00:28  
 Operator : UM/SJ  
 Sample : H4998-07  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B045-0-3

Quant Time: Oct 01 00:57:10 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

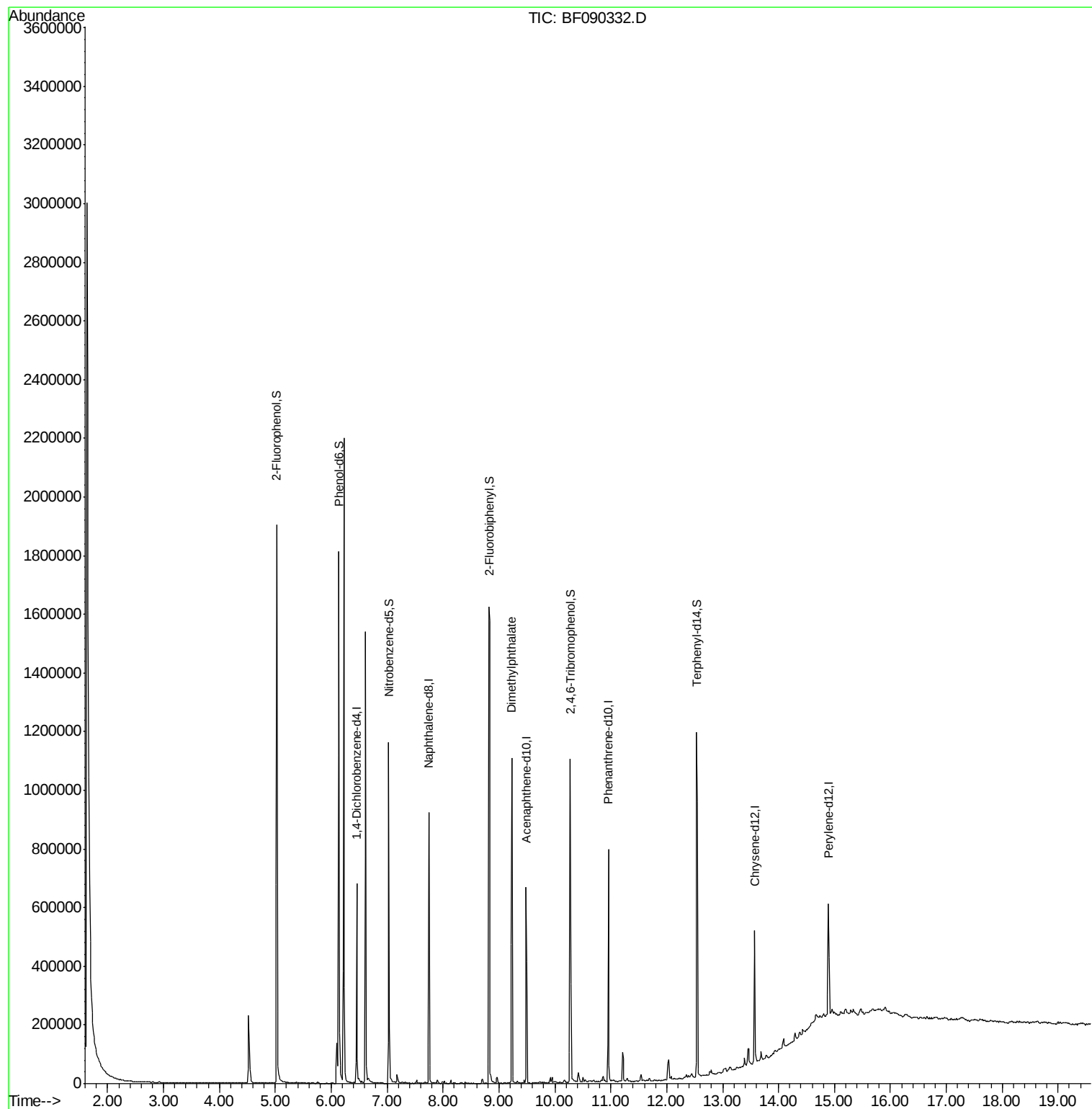
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.46  | 152  | 104043   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.75  | 136  | 404850   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.48  | 164  | 183830   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 10.96 | 188  | 280676   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.58 | 240  | 225957   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 14.89 | 264  | 172451   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 648911   | 101.66 | ng    | 0.00     |
| 7) Phenol-d6                | 6.14  | 99   | 922212   | 116.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.03  | 82   | 410853   | 58.83  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.27 | 330  | 141681   | 89.84  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.83  | 172  | 821879   | 87.77  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.54 | 244  | 522566   | 58.72  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.23  | 163  | 543295   | 46.40  | ng    | 99       |

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

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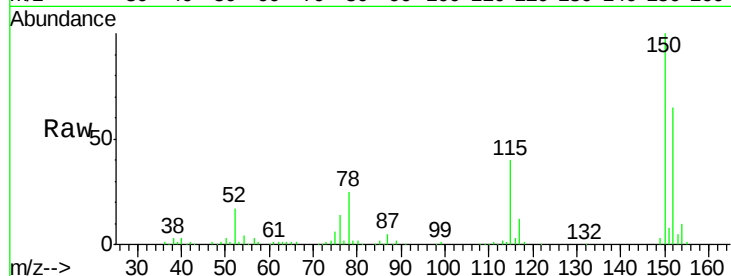


#1

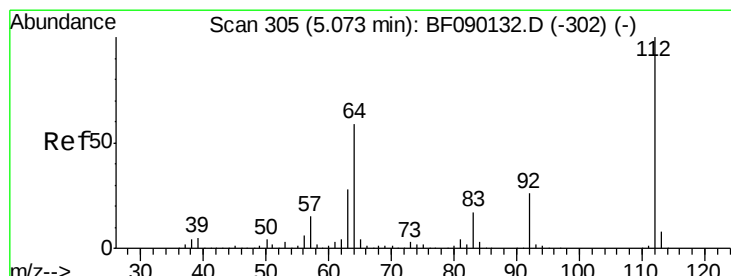
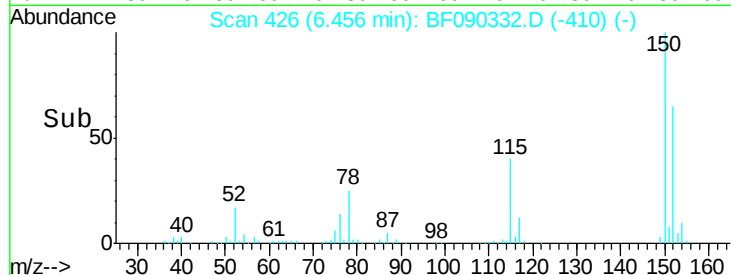
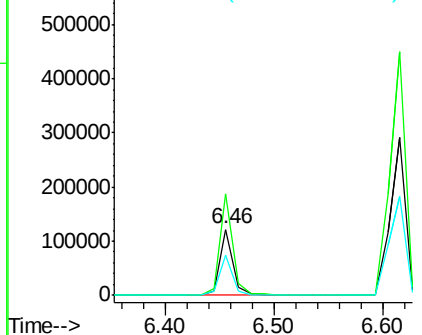
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.46 min Scan# 426  
Delta R.T. -0.02 min  
Lab File: BF090332.D  
Acq: 1 Oct 2016 00:28

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B045-0-3

Tot Ion:152 Resp: 104043  
Ion Ratio Lower Upper  
152 100  
150 154.7 128.9 193.3  
115 61.1 55.5 83.3



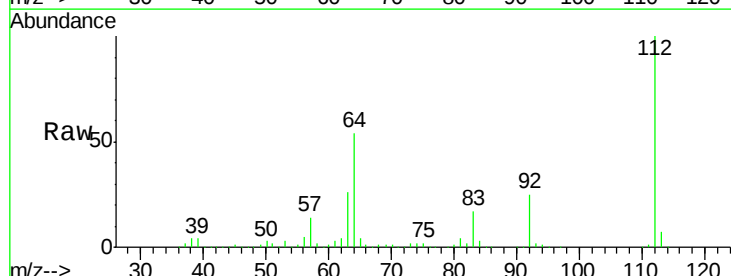
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



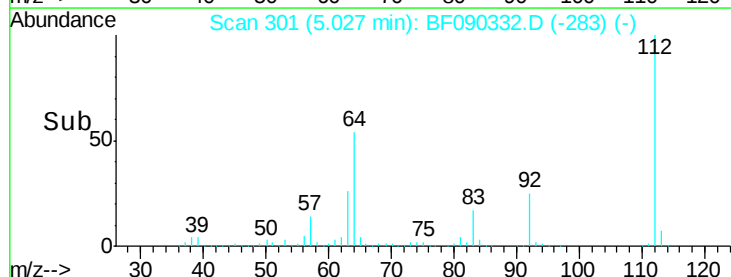
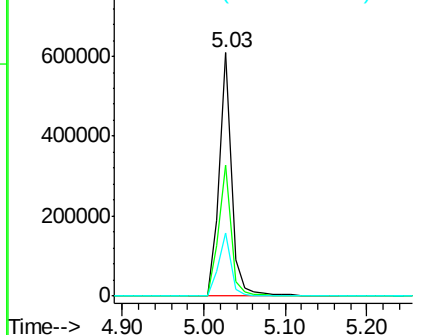
#5

2-Fluorophenol  
Concen: 101.66 ng  
RT: 5.03 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: BF090332.D  
Acq: 1 Oct 2016 00:28

Tgt Ion:112 Resp: 648911  
Ion Ratio Lower Upper  
112 100  
64 53.7 39.8 59.6  
63 25.8 18.9 28.3



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: 116.99 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090332.D

Acq: 1 Oct 2016 00:28

Instrument :

BNA\_F

ClientSampleId :

SUP-B045-0-3

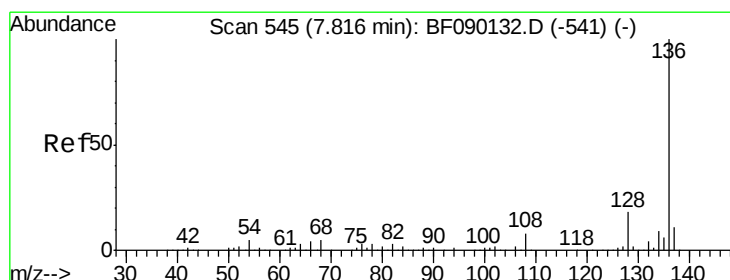
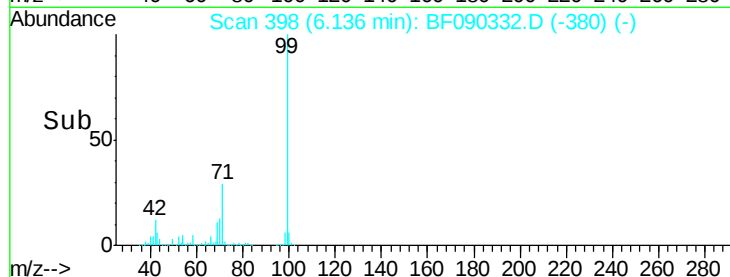
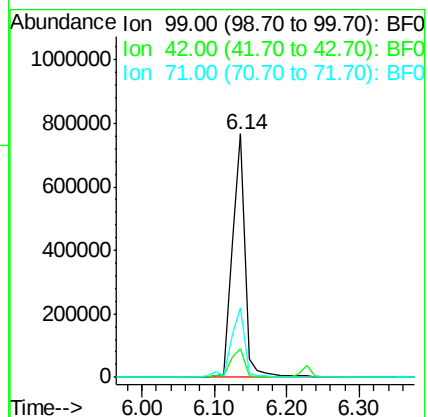
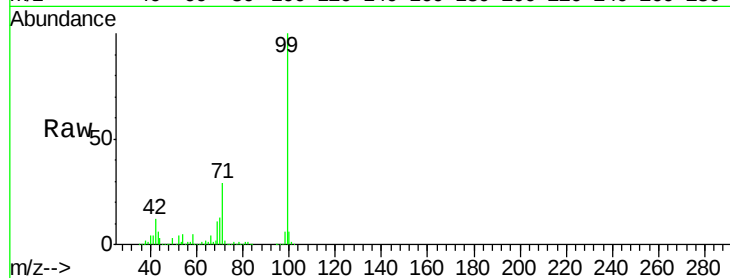
Tot Ion: 99 Resp: 922212

Ion Ratio Lower Upper

99 100

42 11.7 10.6 15.8

71 28.7 23.0 34.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF090332.D

Acq: 1 Oct 2016 00:28

Tgt Ion: 136 Resp: 404850

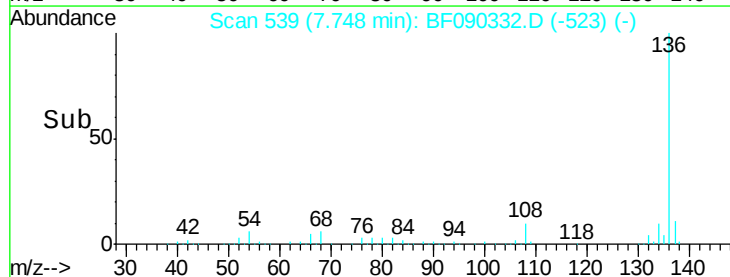
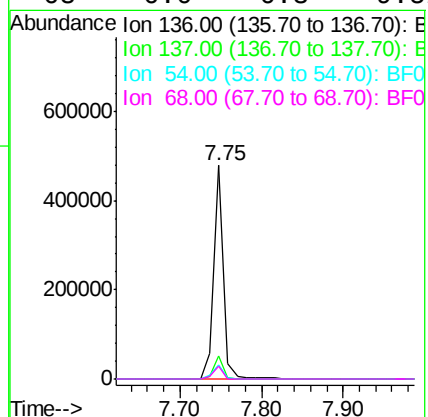
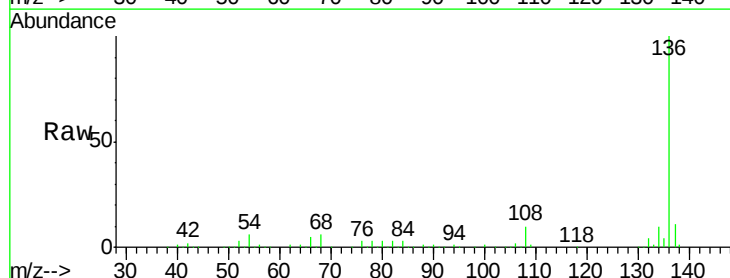
Ion Ratio Lower Upper

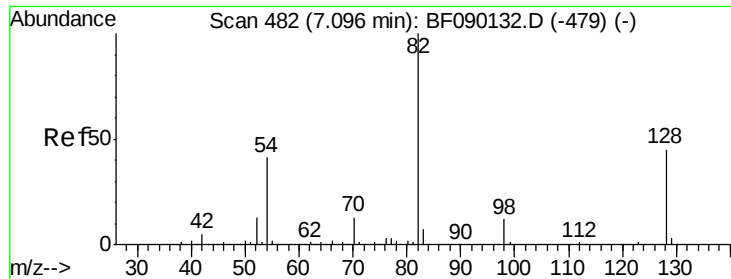
136 100

137 11.0 9.0 13.4

54 6.4 6.4 9.6

68 6.0 6.3 9.5#

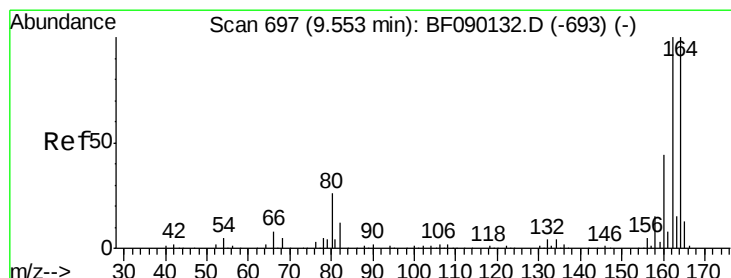
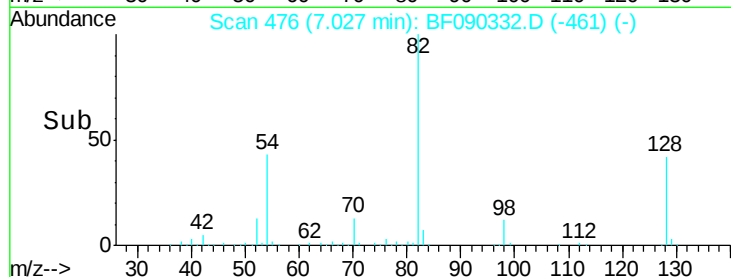
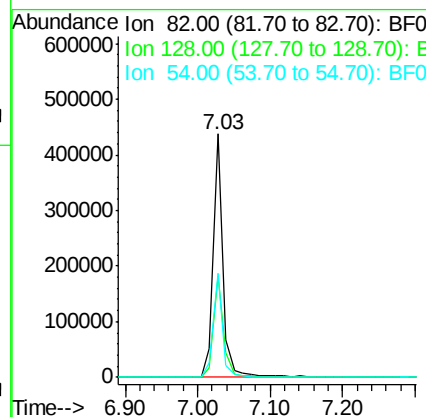
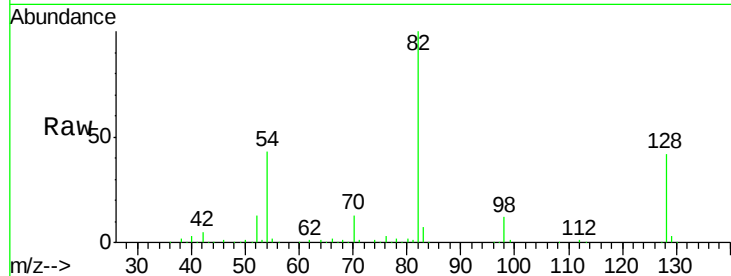




#23  
 Nitrobenzene-d5  
 Concen: 58.83 ng  
 RT: 7.03 min Scan# 476  
 Delta R.T. -0.03 min  
 Lab File: BF090332.D  
 Acq: 1 Oct 2016 00:28

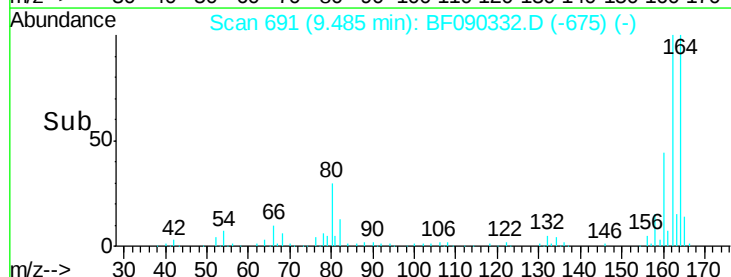
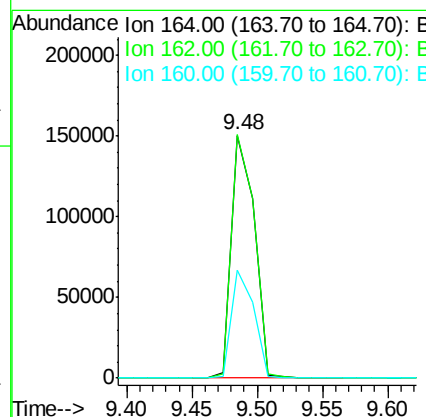
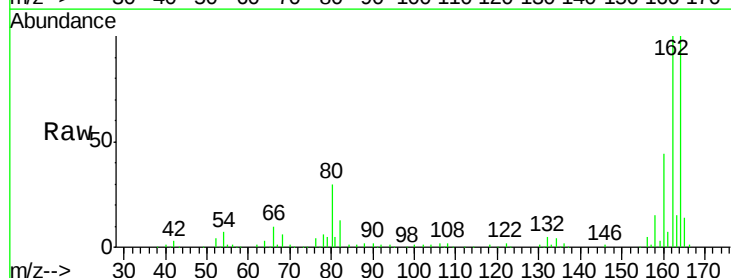
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B045-0-3

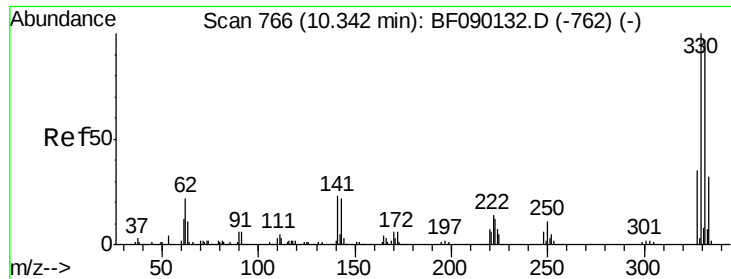
Tot Ion: 82 Resp: 410853  
 Ion Ratio Lower Upper  
 82 100  
 128 41.7 37.5 56.3  
 54 42.9 31.9 47.9



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.48 min Scan# 691  
 Delta R.T. -0.02 min  
 Lab File: BF090332.D  
 Acq: 1 Oct 2016 00:28

Tgt Ion: 164 Resp: 183830  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 81.4 122.2  
 160 44.7 36.6 54.8

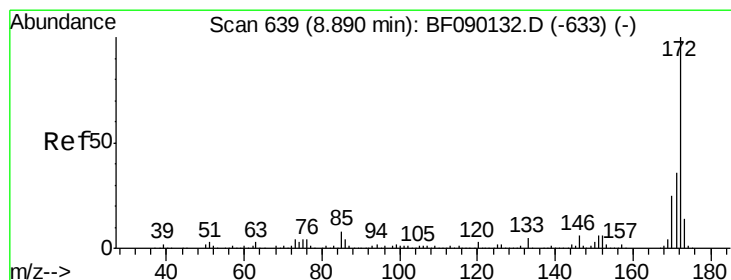
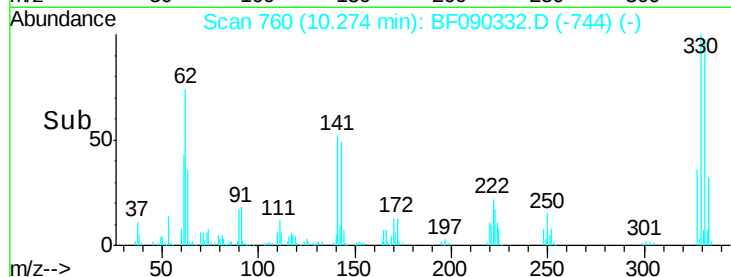
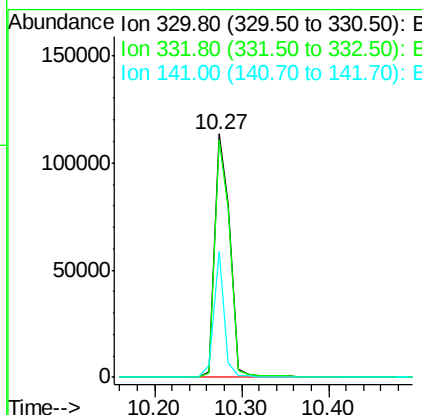
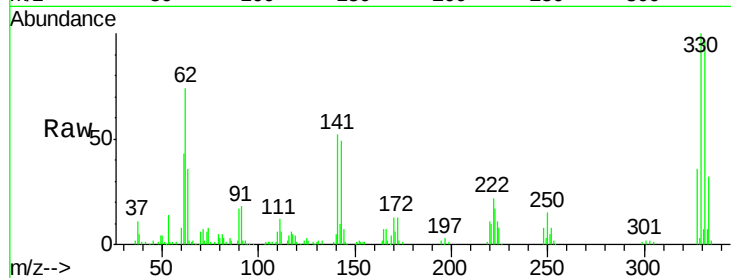




#41  
 2,4,6-Tribromophenol  
 Concen: 89.84 ng  
 RT: 10.27 min Scan# 760  
 Delta R.T. -0.02 min  
 Lab File: BF090332.D  
 Acq: 1 Oct 2016 00:28

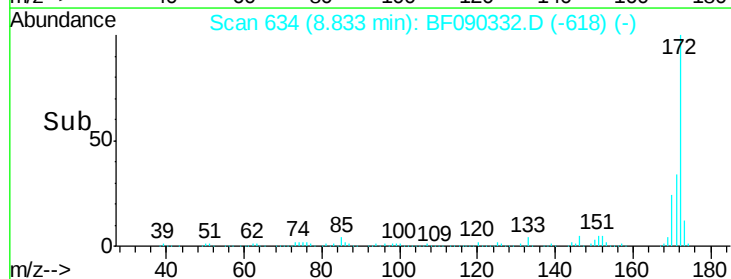
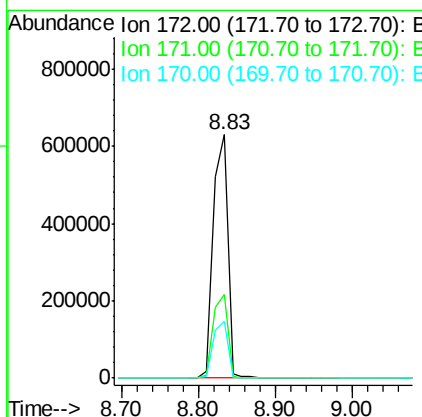
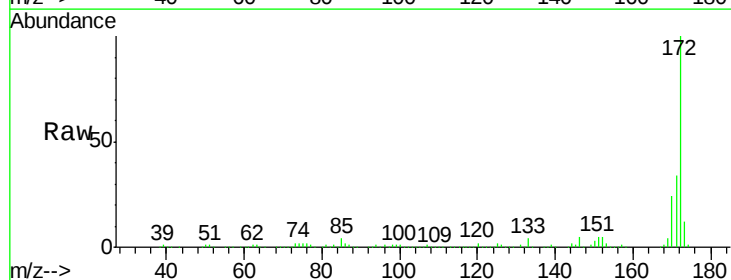
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B045-0-3

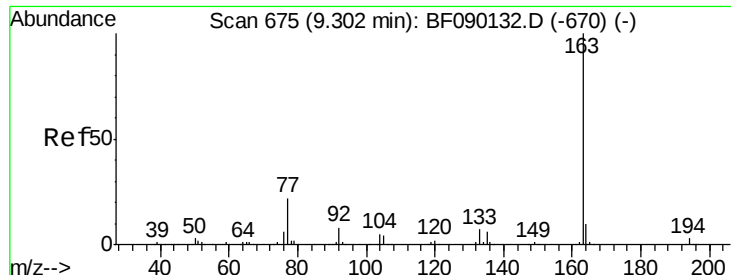
| Tot Ion | 330  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 330     | 100  |       |       |       |
| 332     | 97.5 | 78.1  | 117.1 |       |
| 141     | 35.6 | 23.9  | 35.9  |       |



#44  
 2-Fluorobiphenyl  
 Concen: 87.77 ng  
 RT: 8.83 min Scan# 634  
 Delta R.T. -0.02 min  
 Lab File: BF090332.D  
 Acq: 1 Oct 2016 00:28

| Tgt Ion | 172  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 172     | 100  |       |       |       |
| 171     | 34.4 | 29.2  | 43.8  |       |
| 170     | 23.5 | 19.8  | 29.8  |       |

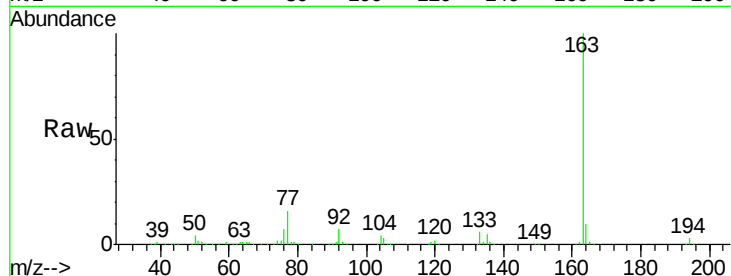




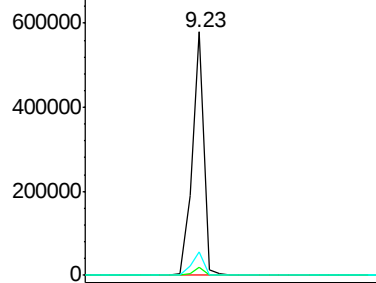
#49  
Dimethylphthalate  
Concen: 46.40 ng  
RT: 9.23 min Scan# 669  
Delta R.T. -0.03 min  
Lab File: BF090332.D  
Acq: 1 Oct 2016 00:28

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B045-0-3

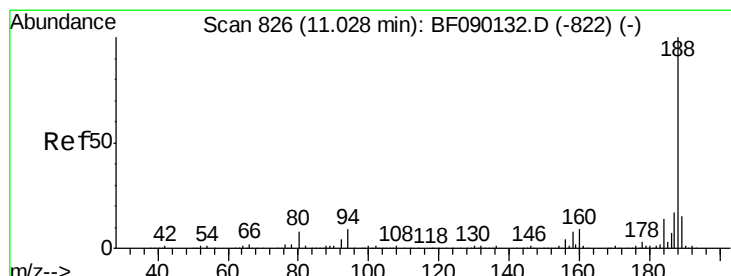
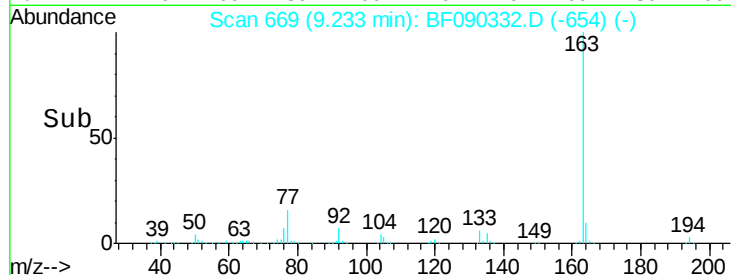
Tot Ion:163 Resp: 543295  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.8 4.2  
164 9.8 8.1 12.1



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

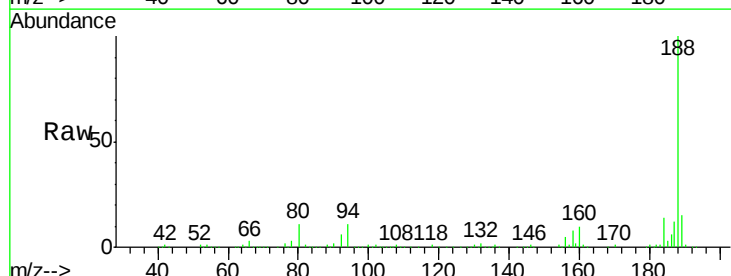


Time-->

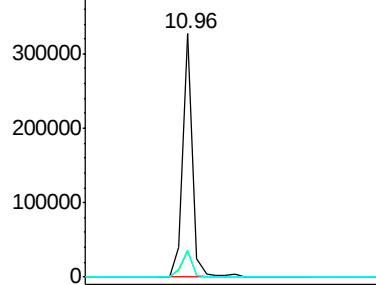


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.96 min Scan# 820  
Delta R.T. -0.02 min  
Lab File: BF090332.D  
Acq: 1 Oct 2016 00:28

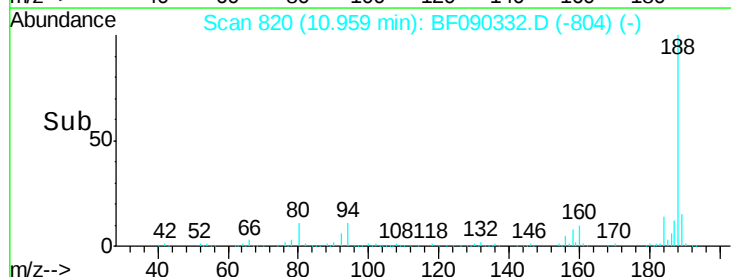
Tgt Ion:188 Resp: 280676  
Ion Ratio Lower Upper  
188 100  
94 10.5 10.5 15.7  
80 11.0 11.2 16.8#

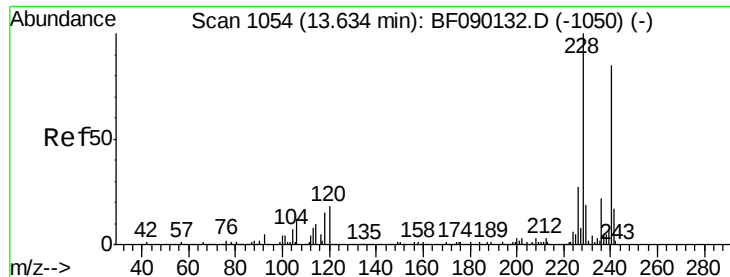


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090332.D

Acq: 1 Oct 2016 00:28

Instrument :

BNA\_F

ClientSampleId :

SUP-B045-0-3

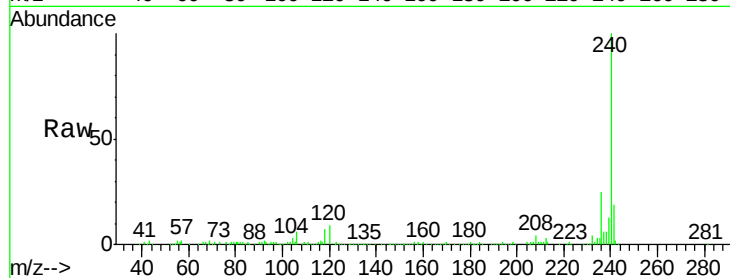
Tot Ion:240 Resp: 225957

Ion Ratio Lower Upper

240 100

120 9.0 10.6 16.0#

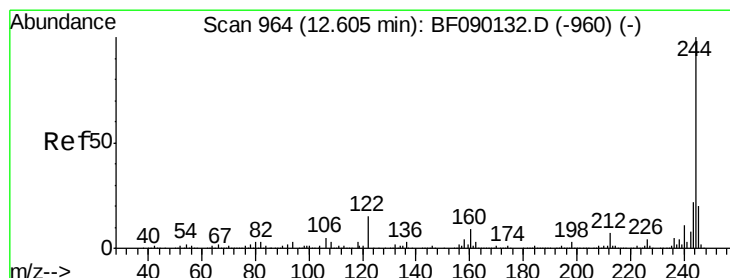
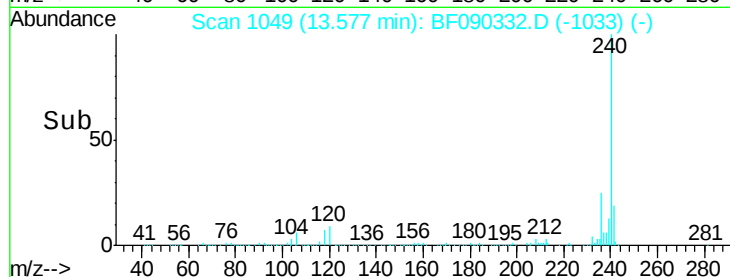
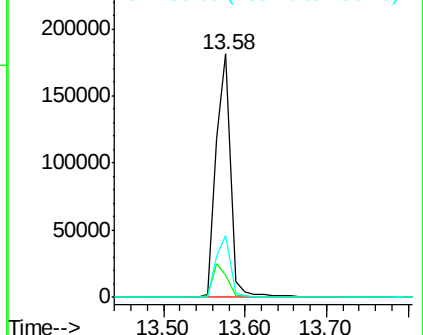
236 25.3 21.6 32.4



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: 58.72 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF090332.D

Acq: 1 Oct 2016 00:28

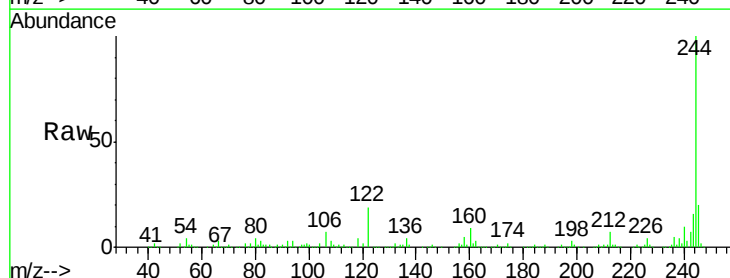
Tgt Ion:244 Resp: 522566

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

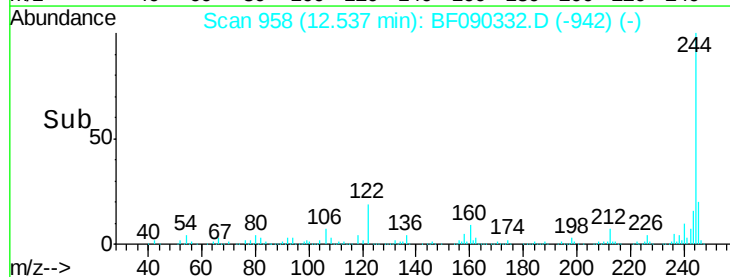
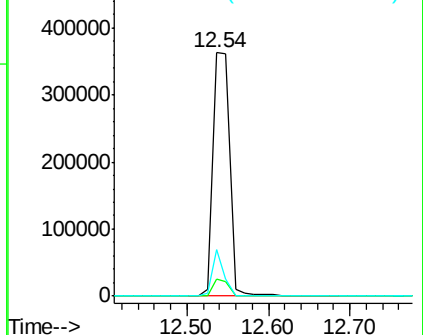
122 19.3 9.4 14.0#

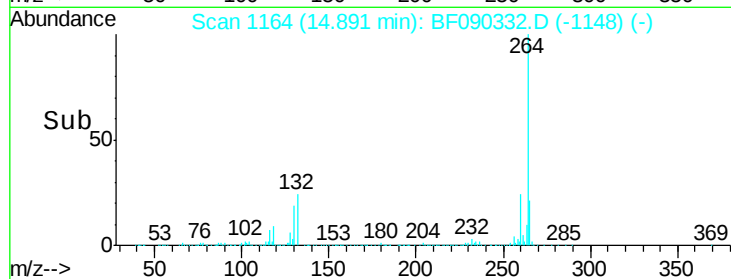
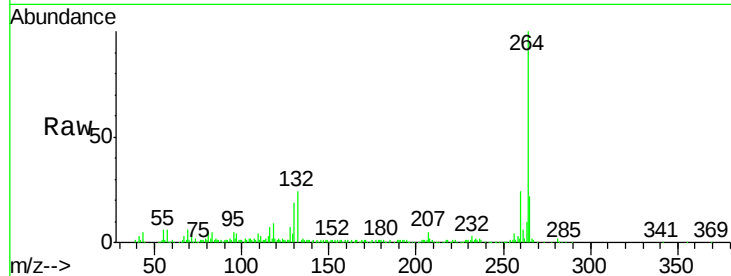
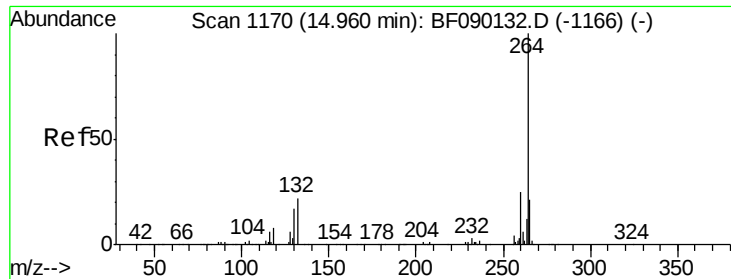


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF090332.D  
 Acq: 1 Oct 2016 00:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B045-0-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.5  | 29.3  |
| 265     | 21.5  | 17.0  | 25.4  |

