

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\  
 Data File : BF090232.D  
 Acq On : 26 Sep 2016 20:12  
 Operator : UM/SJ  
 Sample : H4946-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01S-092216

Quant Time: Sep 27 01:31:55 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   | 6.48  | 152  | 139138   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.77  | 136  | 559682   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.51  | 164  | 336460   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 10.97 | 188  | 495513   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.59 | 240  | 443827   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 14.90 | 264  | 323173   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 407217   | 47.71  | ng    | 0.00     |
| 7) Phenol-d6                | 6.12  | 99   | 372567   | 35.34  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.05  | 82   | 707482   | 73.28  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.30 | 330  | 322768   | 111.82 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.84  | 172  | 1128929  | 65.87  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.56 | 244  | 1003377  | 57.40  | ng    | 0.00     |

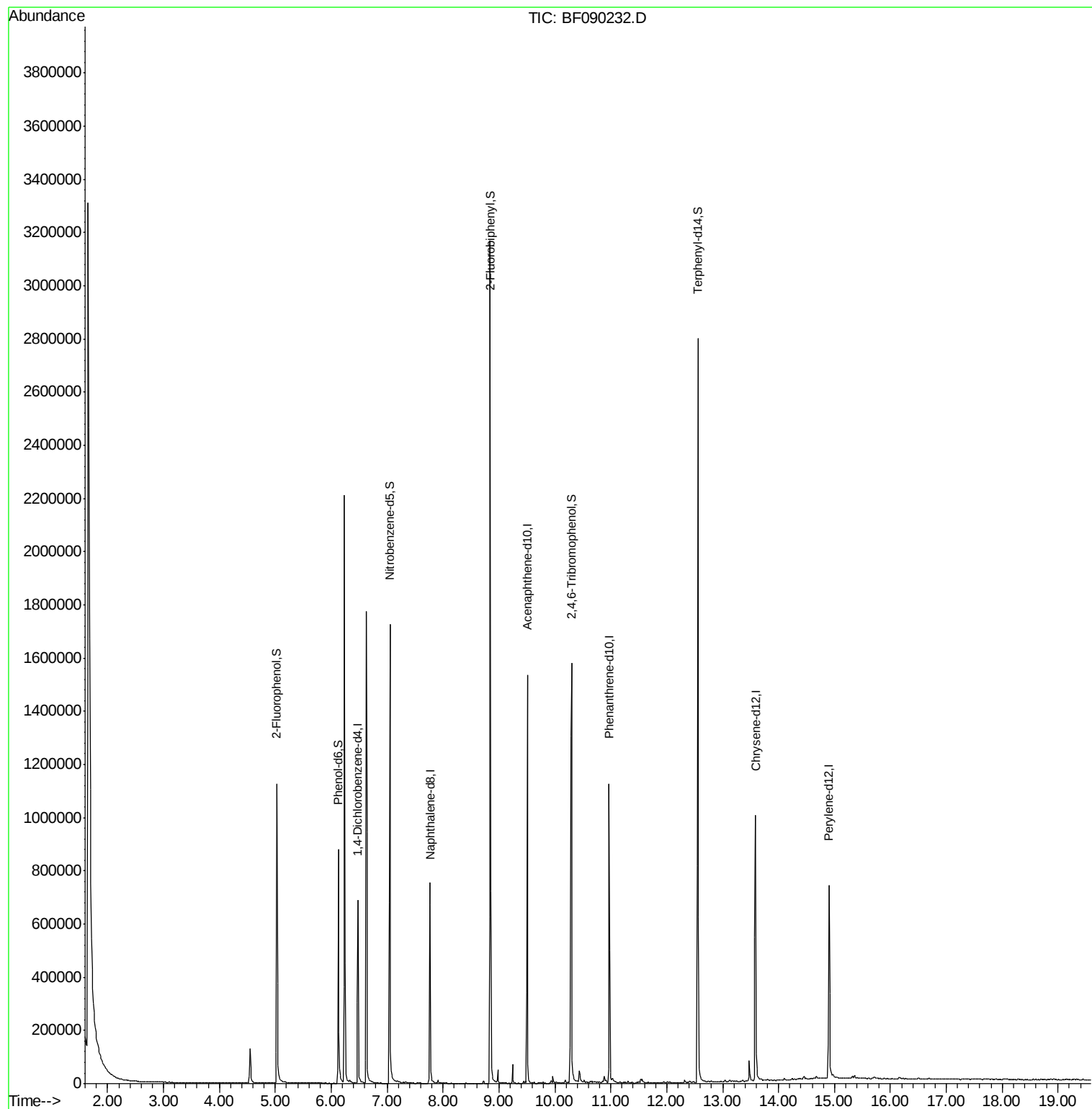
Target Compounds Qvalue

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

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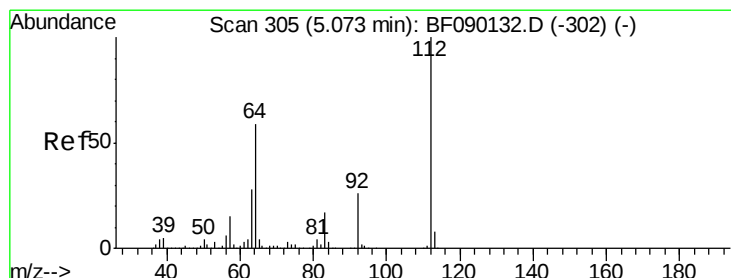
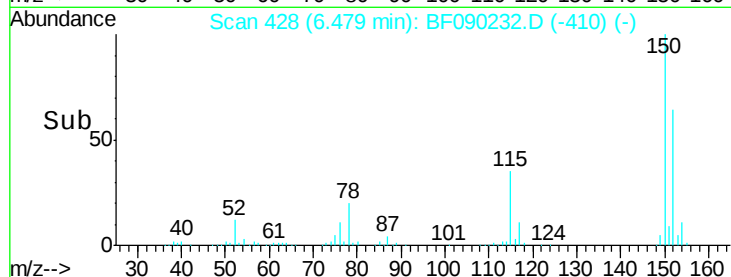
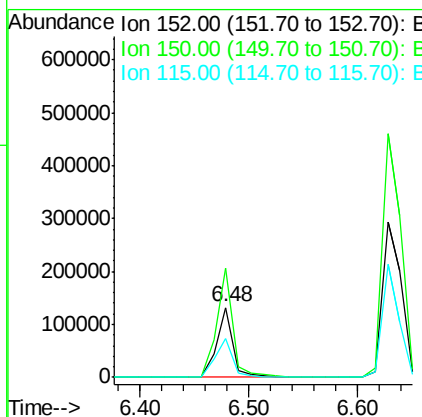
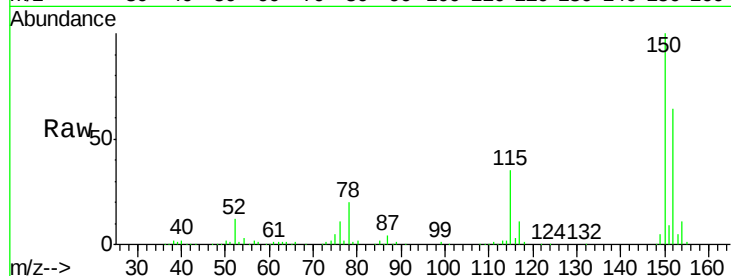




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.48 min Scan# 428  
 Delta R.T. 0.00 min  
 Lab File: BF090232.D  
 Acq: 26 Sep 2016 20:12

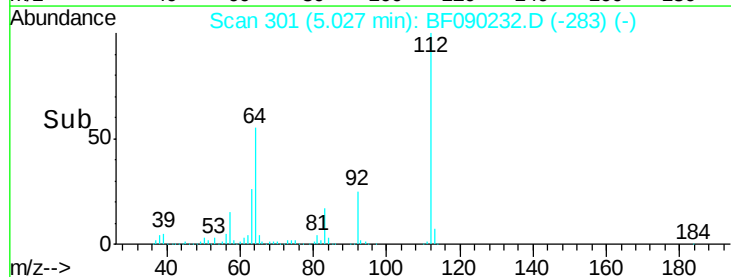
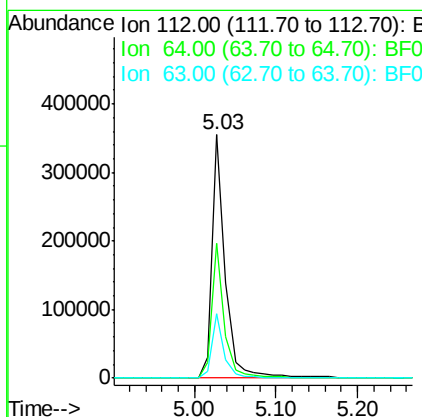
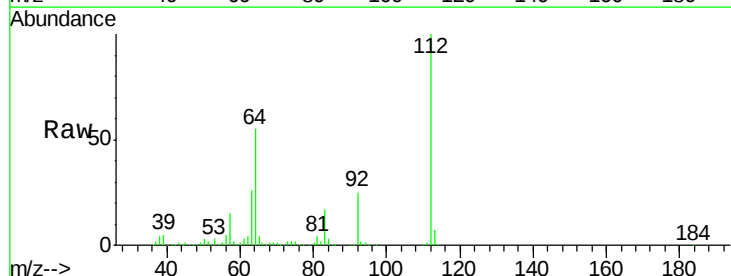
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01S-092216

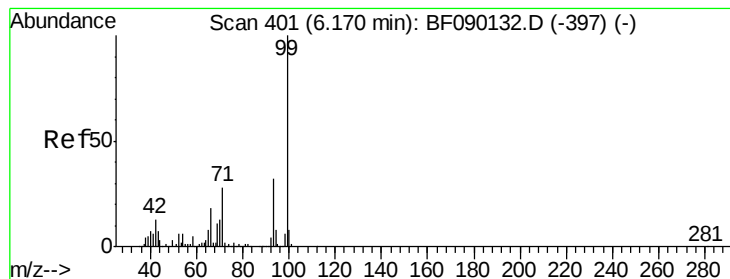
Tot Ion:152 Resp: 139138  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 128.9 193.3  
 115 54.9 55.5 83.3#



#5  
 2-Fluorophenol  
 Concen: 47.71 ng  
 RT: 5.03 min Scan# 301  
 Delta R.T. 0.00 min  
 Lab File: BF090232.D  
 Acq: 26 Sep 2016 20:12

Tgt Ion:112 Resp: 407217  
 Ion Ratio Lower Upper  
 112 100  
 64 55.5 39.8 59.6  
 63 26.3 18.9 28.3





#7

Phenol-d6

Concen: 35.34 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090232.D

Acq: 26 Sep 2016 20:12

Instrument :

BNA\_F

ClientSampleId :

MW-01S-092216

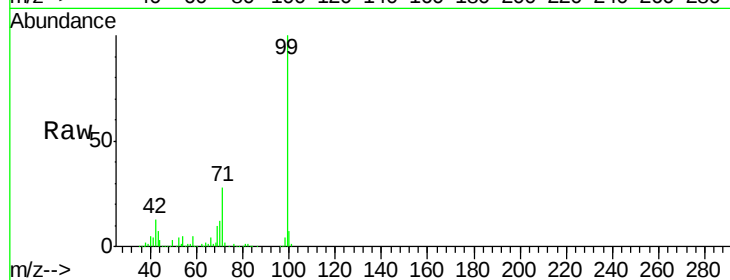
Tot Ion: 99 Resp: 372567

Ion Ratio Lower Upper

99 100

42 12.8 10.6 15.8

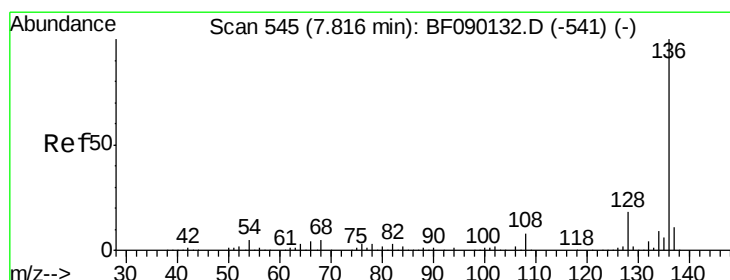
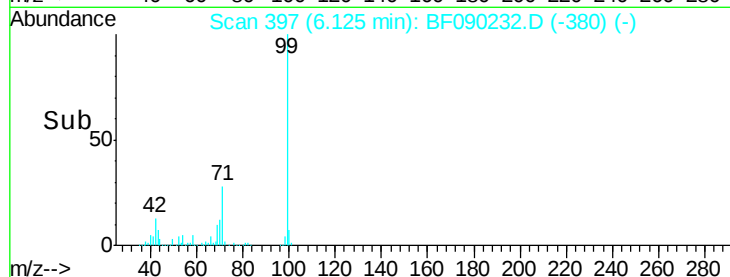
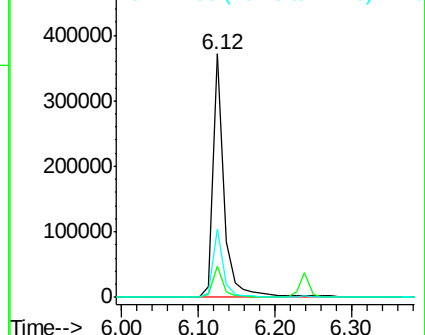
71 28.2 23.0 34.6



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: 7.77 min Scan# 541

Delta R.T. 0.00 min

Lab File: BF090232.D

Acq: 26 Sep 2016 20:12

Tgt Ion: 136 Resp: 559682

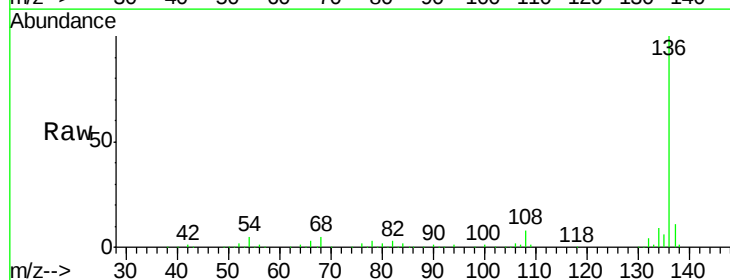
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 4.5 6.4 9.6#

68 4.6 6.3 9.5#

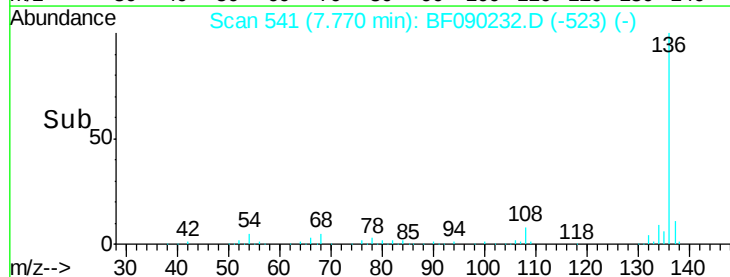
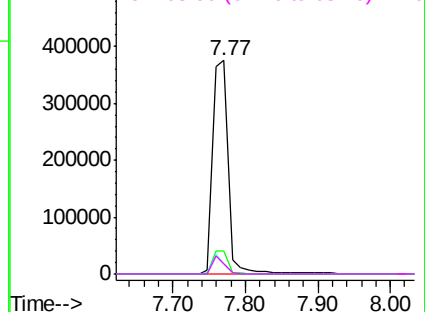


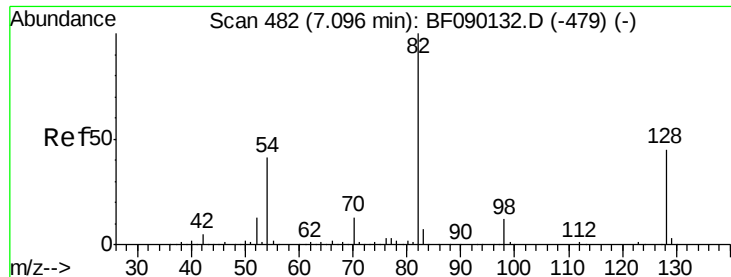
Abundance Ion 136.00 (135.70 to 136.70): E

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

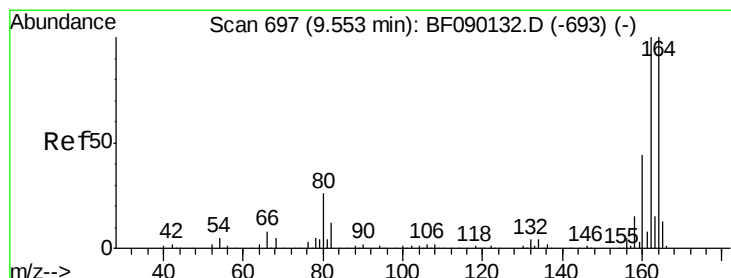
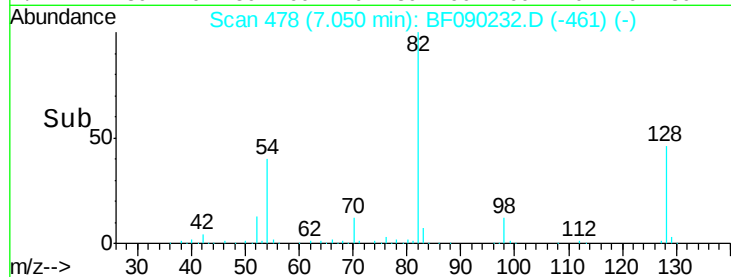
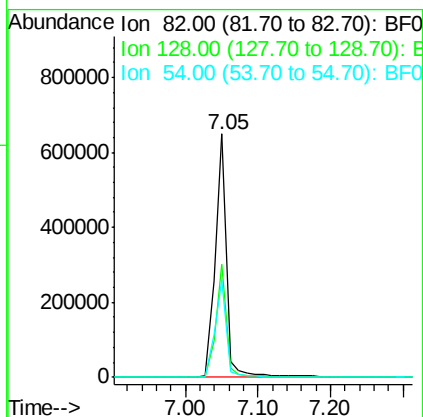
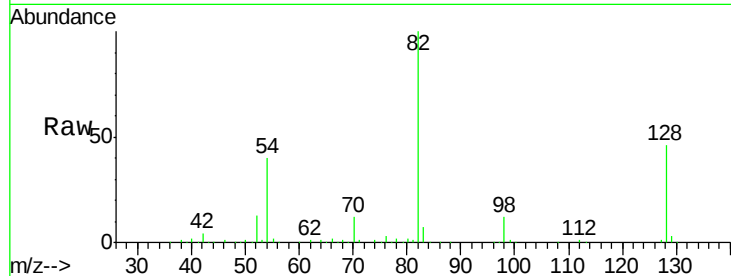




#23  
Nitrobenzene-d5  
Concen: 73.28 ng  
RT: 7.05 min Scan# 478  
Delta R.T. -0.01 min  
Lab File: BF090232.D  
Acq: 26 Sep 2016 20:12

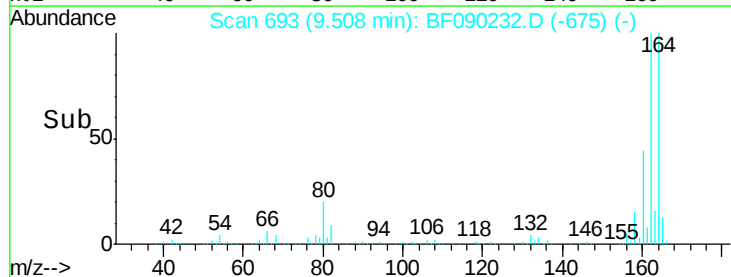
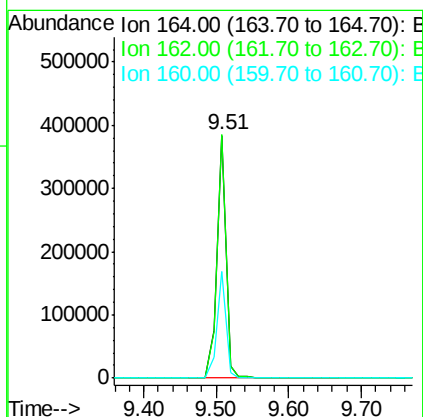
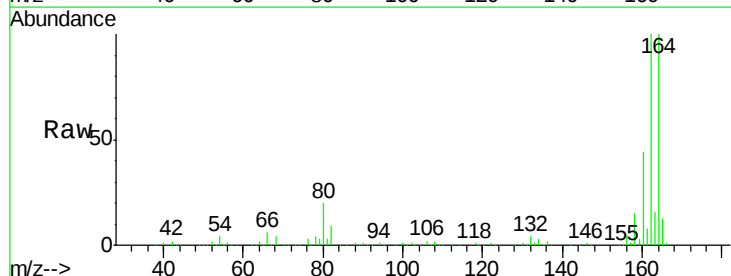
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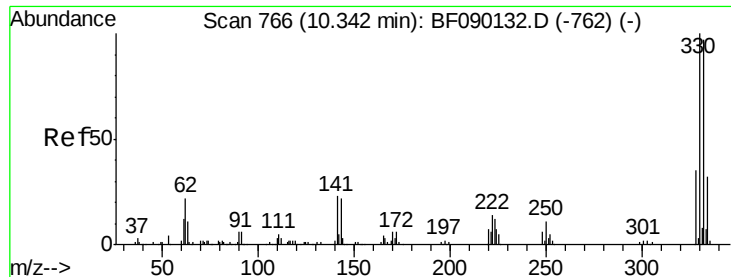
Tot Ion: 82 Resp: 707482  
Ion Ratio Lower Upper  
82 100  
128 46.3 37.5 56.3  
54 40.2 31.9 47.9



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.51 min Scan# 693  
Delta R.T. 0.00 min  
Lab File: BF090232.D  
Acq: 26 Sep 2016 20:12

Tgt Ion: 164 Resp: 336460  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.4 122.2  
160 44.2 36.6 54.8

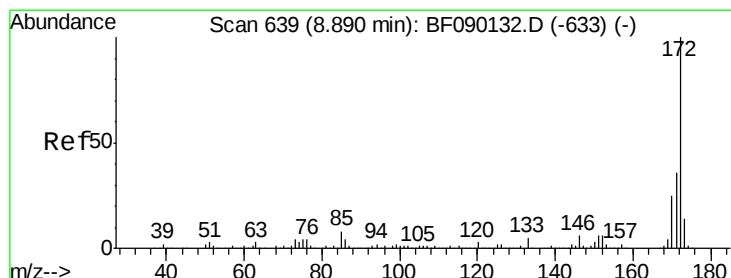
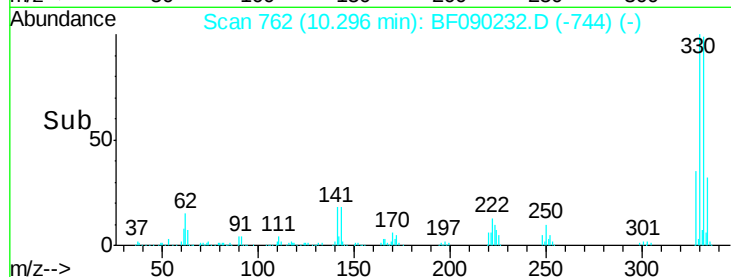
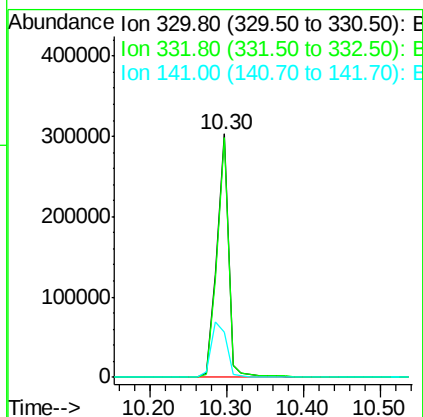
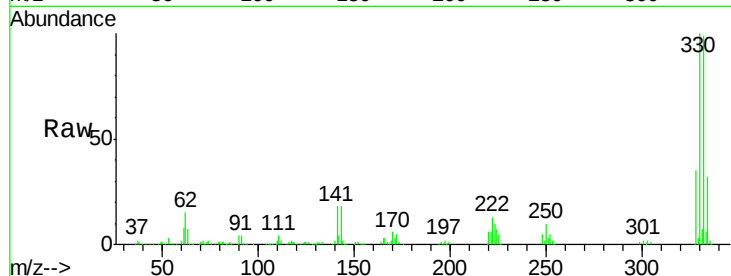




#41  
 2,4,6-Tribromophenol  
 Concen: 111.82 ng  
 RT: 10.30 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BF090232.D  
 Acq: 26 Sep 2016 20:12

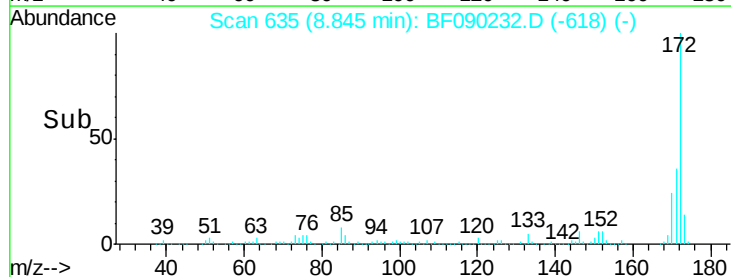
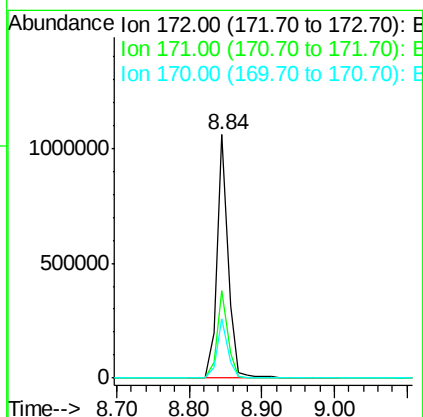
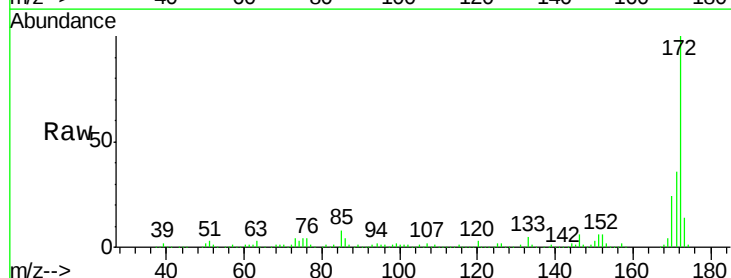
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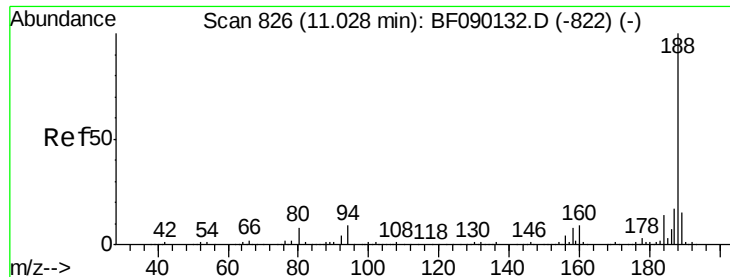
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 78.1  | 117.1 |
| 141     | 30.1  | 23.9  | 35.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 65.87 ng  
 RT: 8.84 min Scan# 635  
 Delta R.T. -0.01 min  
 Lab File: BF090232.D  
 Acq: 26 Sep 2016 20:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.2  | 43.8  |
| 170     | 24.4  | 19.8  | 29.8  |

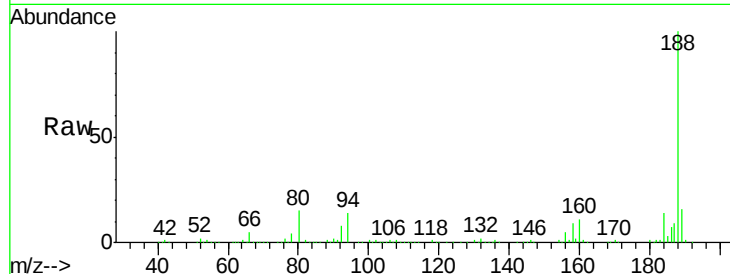




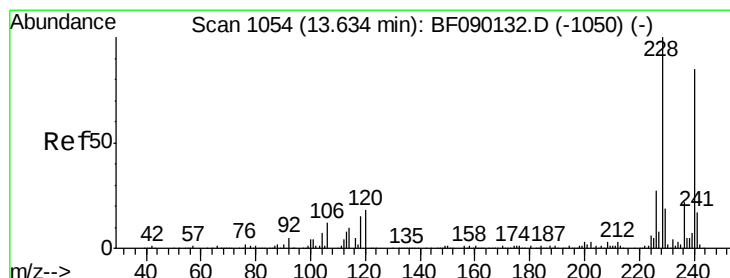
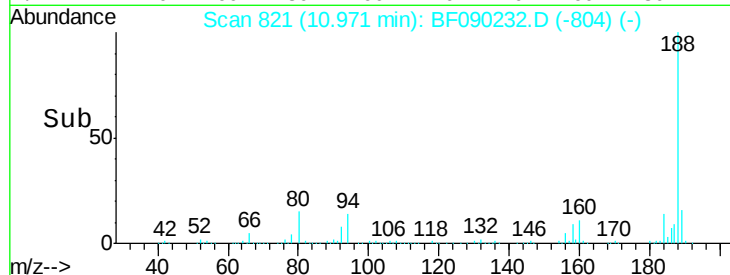
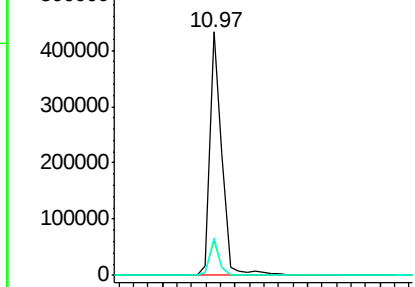
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.97 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF090232.D  
Acq: 26 Sep 2016 20:12

Instrument :  
BNA\_F  
ClientSampleId :  
MW-01S-092216

Tot Ion:188 Resp: 495513  
Ion Ratio Lower Upper  
188 100  
94 14.3 10.5 15.7  
80 15.4 11.2 16.8

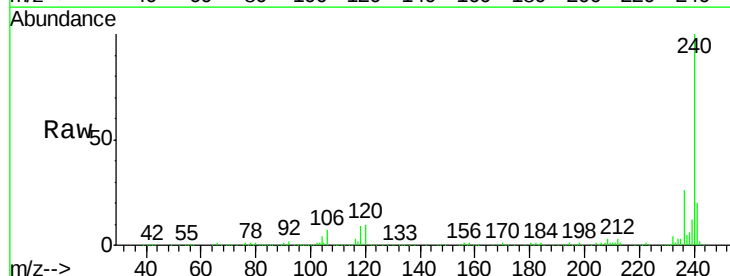


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

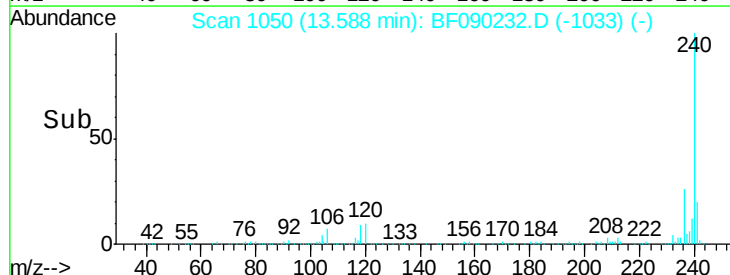
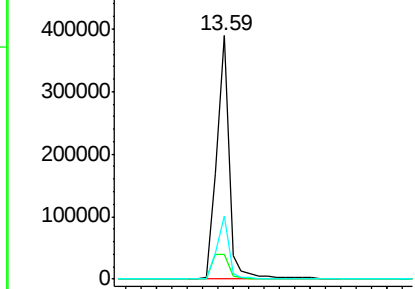


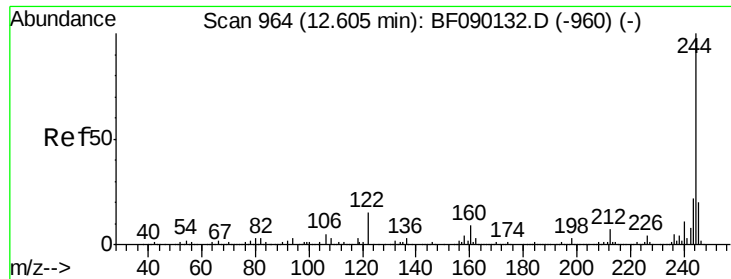
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.59 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: BF090232.D  
Acq: 26 Sep 2016 20:12

Tgt Ion:240 Resp: 443827  
Ion Ratio Lower Upper  
240 100  
120 10.3 10.6 16.0#  
236 26.1 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

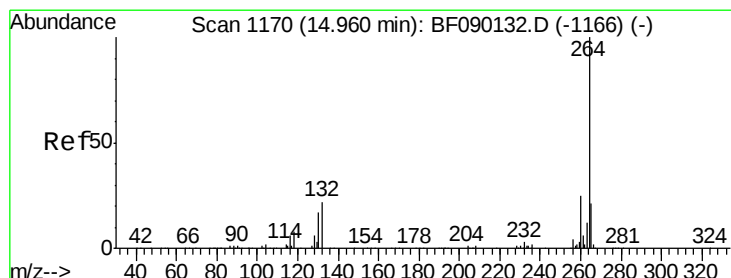
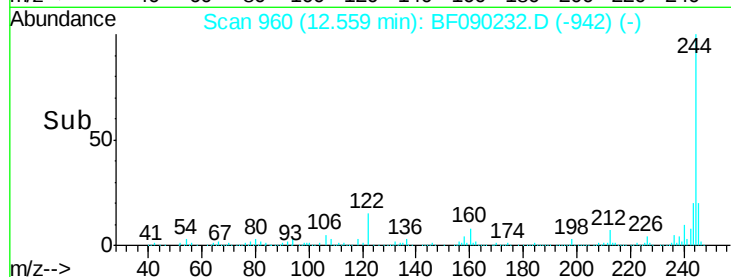
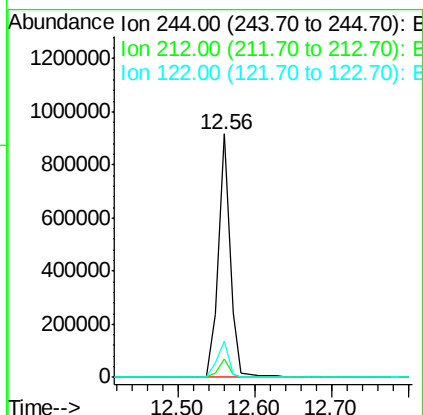
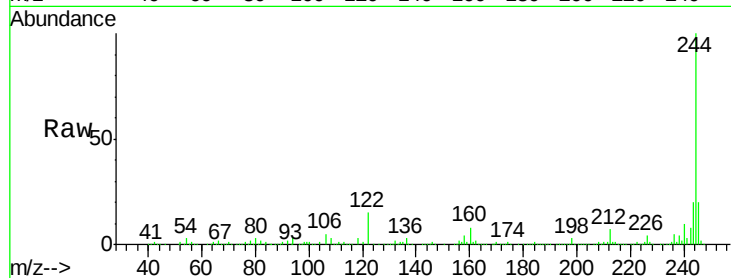




#78  
 Terphenyl-d14  
 Concen: 57.40 ng  
 RT: 12.56 min Scan# 960  
 Delta R.T. 0.00 min  
 Lab File: BF090232.D  
 Acq: 26 Sep 2016 20:12

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Tot Ion:244 Resp: 1003377  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 15.0 9.4 14.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.90 min Scan# 1165  
 Delta R.T. -0.01 min  
 Lab File: BF090232.D  
 Acq: 26 Sep 2016 20:12

Tgt Ion:264 Resp: 323173  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.5 29.3  
 265 22.2 17.0 25.4

