

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090716\  
 Data File : BF090016.D  
 Acq On : 7 Sep 2016 20:33  
 Operator : UM/SJ  
 Sample : H4676-29  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAMP-A-(0-2)-15

Quant Time: Sep 08 07:17:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 13:29:08 2016  
 Response via : Initial Calibration

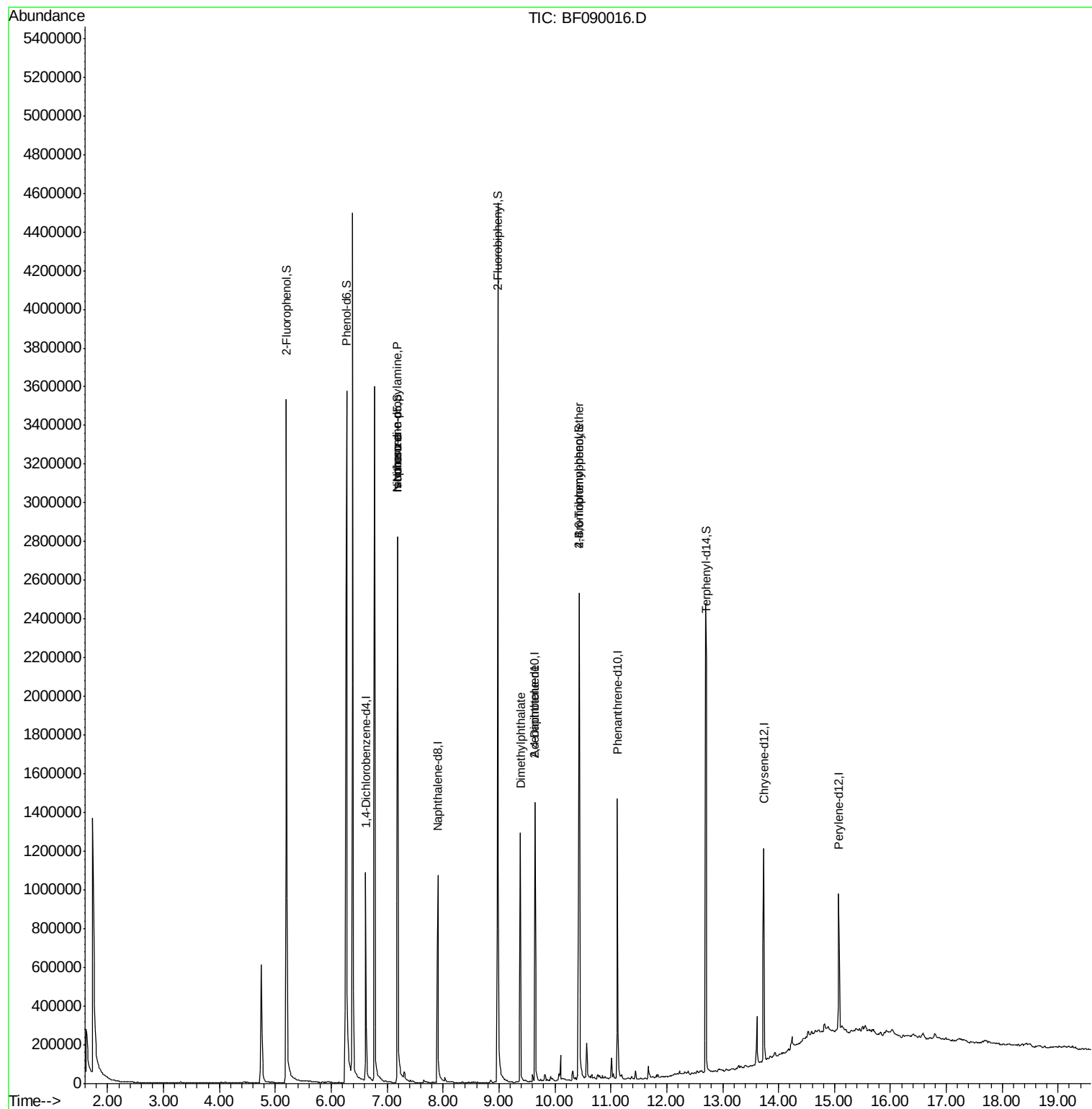
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.62  | 152  | 192809   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.91  | 136  | 743078   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.64  | 164  | 344569   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.12 | 188  | 585238   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.74 | 240  | 469412   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.07 | 264  | 351680   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 1323143  | 109.84 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.27  | 99   | 1908830  | 130.41 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.19  | 82   | 1079940  | 84.29  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.43 | 330  | 348224   | 102.44 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 1650639  | 78.64  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.71 | 244  | 1162535  | 61.18  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.19  | 70   | 143952   | 15.09  | ng    | # 82     |
| 25) Isophorone                 | 7.19  | 82   | 855376   | 32.83  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.38  | 163  | 587999   | 23.61  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.64  | 165  | 44412    | 6.32   | ng    | # 29     |
| 66) 4-Bromophenyl-phenylether  | 10.43 | 248  | 24462    | 4.15   | ng    | # 1      |

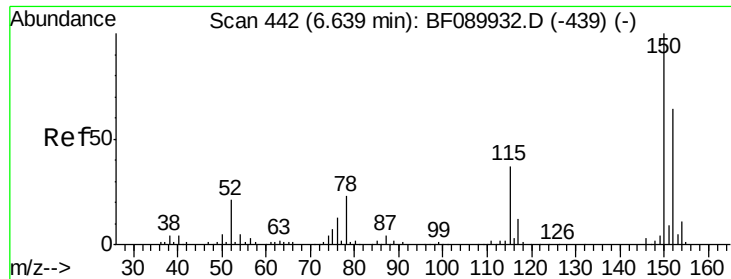
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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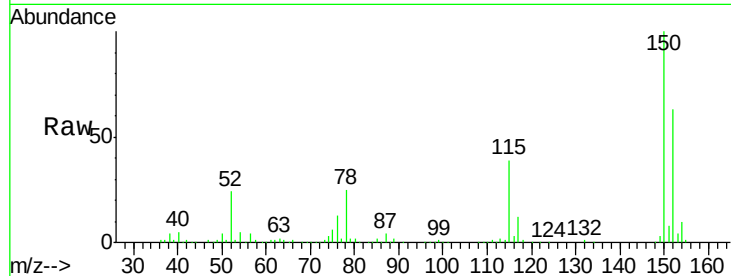




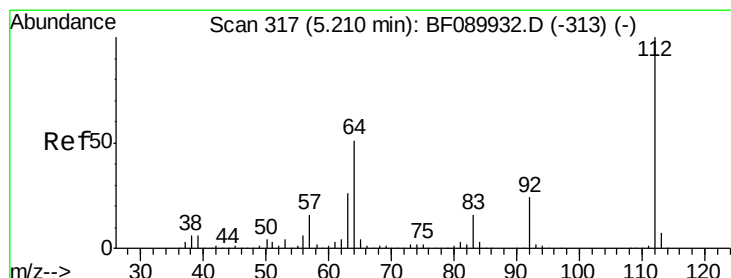
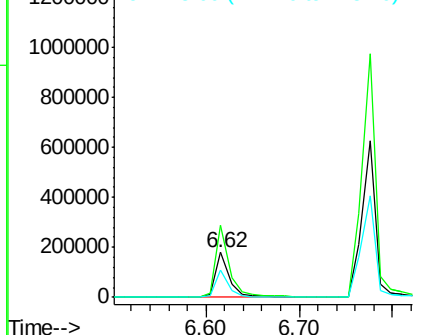
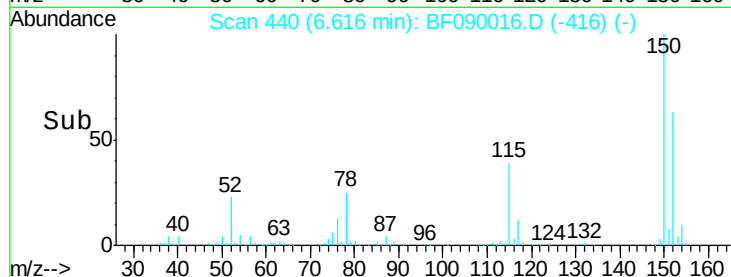
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.62 min Scan# 440  
 Delta R.T. -0.02 min  
 Lab File: BF090016.D  
 Acq: 7 Sep 2016 20:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAMP-A-(0-2)-15

Tgt Ion:152 Resp: 192809  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 127.4 191.2  
 115 61.5 46.3 69.5

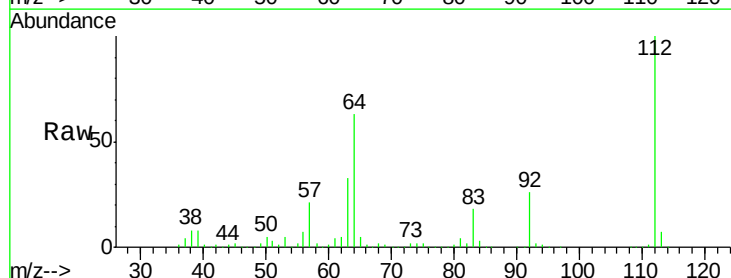


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

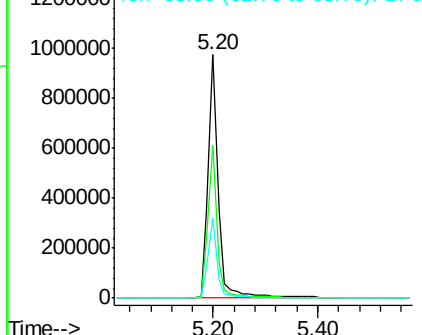
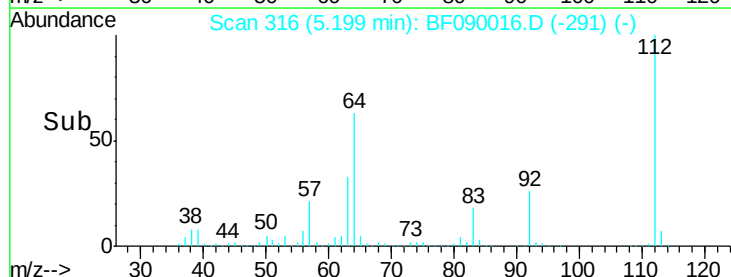


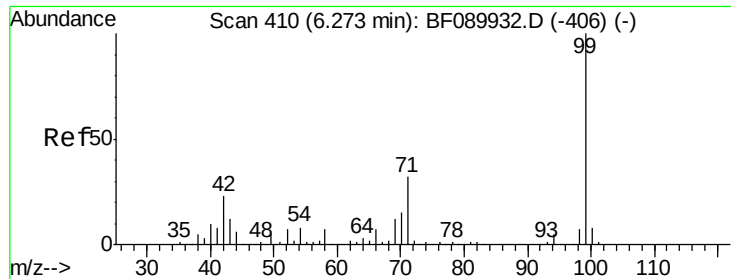
#5  
 2-Fluorophenol  
 Concen: 109.84 ng  
 RT: 5.20 min Scan# 316  
 Delta R.T. -0.01 min  
 Lab File: BF090016.D  
 Acq: 7 Sep 2016 20:33

Tgt Ion:112 Resp: 1323143  
 Ion Ratio Lower Upper  
 112 100  
 64 62.7 41.1 61.7#  
 63 32.5 21.2 31.8#



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: 130.41 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

Instrument :

BNA\_F

ClientSampleId :

RAMP-A-(0-2)-15

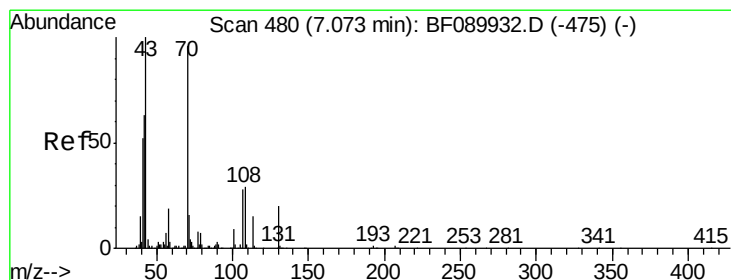
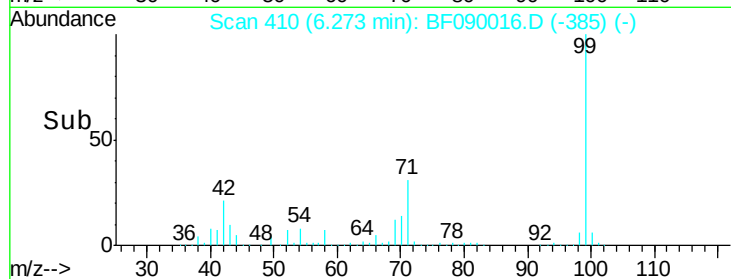
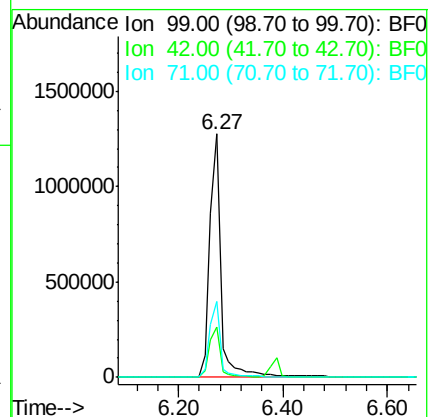
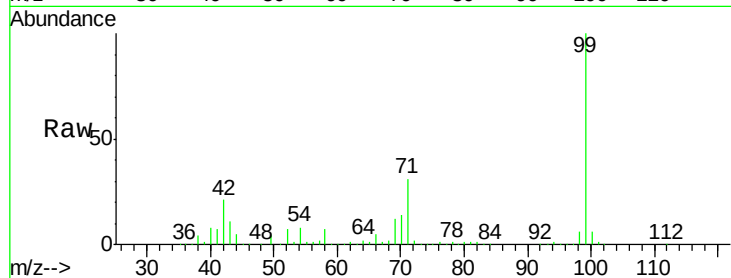
Tgt Ion: 99 Resp: 1908830

Ion Ratio Lower Upper

99 100

42 20.5 18.6 27.8

71 31.0 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.09 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

Tgt Ion: 70 Resp: 143952

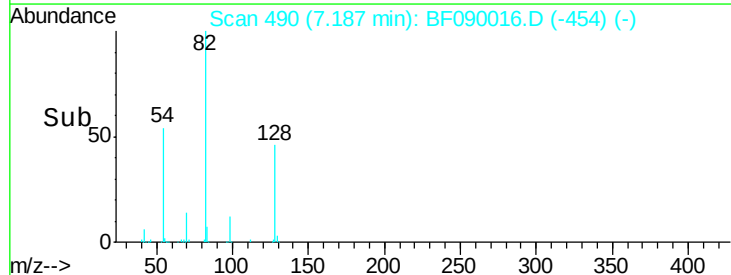
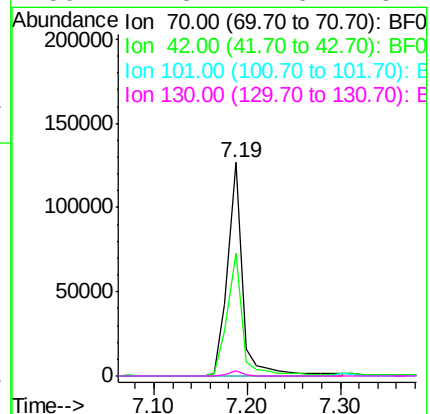
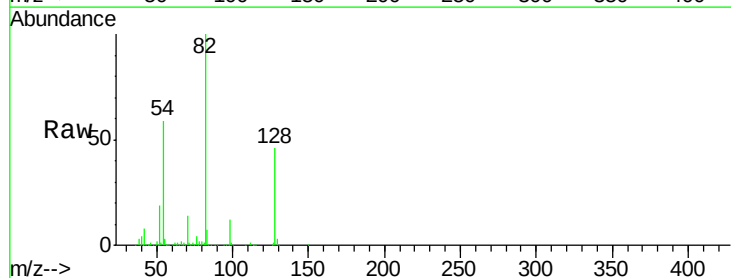
Ion Ratio Lower Upper

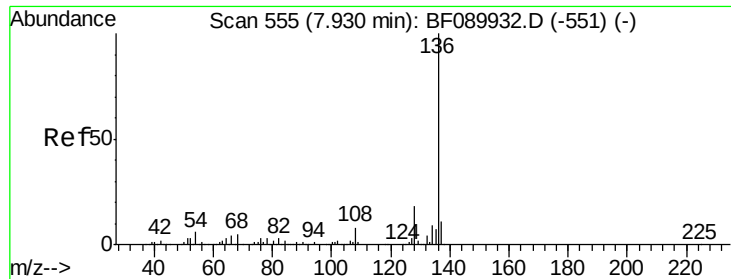
70 100

42 57.4 52.1 78.1

101 0.0 7.4 11.2#

130 2.3 17.0 25.4#

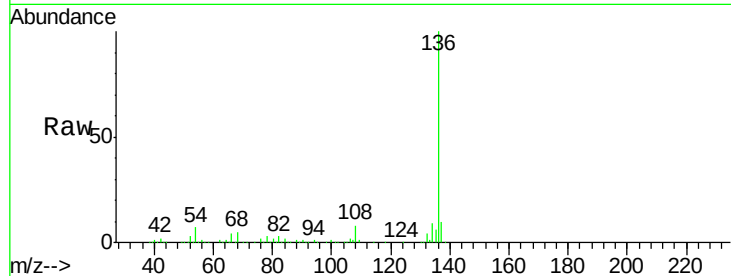




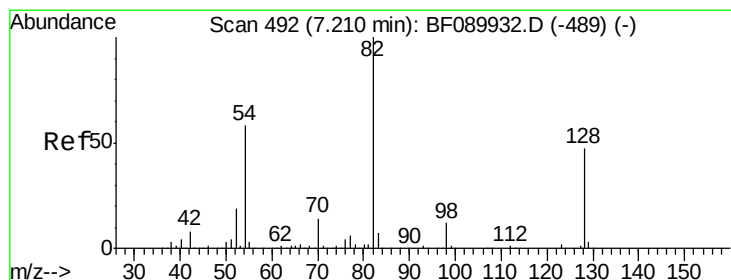
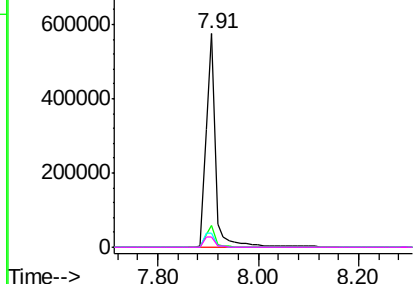
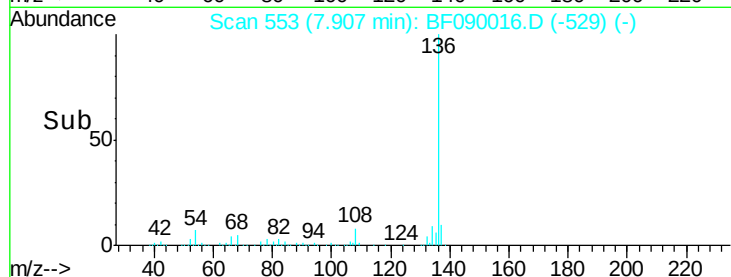
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.91 min Scan# 553  
Delta R.T. -0.02 min  
Lab File: BF090016.D  
Acq: 7 Sep 2016 20:33

Instrument :  
BNA\_F  
ClientSampleId :  
RAMP-A-(0-2)-15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 743078 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.3   | 12.5   |
| 54       | 6.6   | 4.8   | 7.2    |
| 68       | 4.7   | 3.7   | 5.5    |

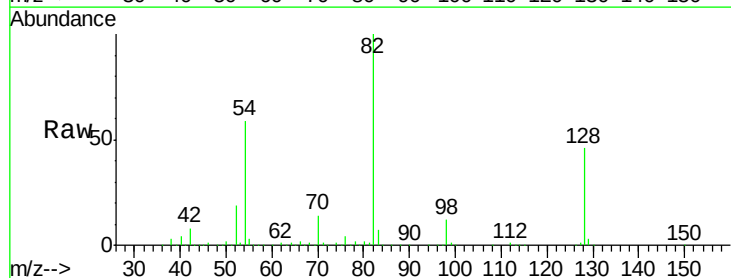


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

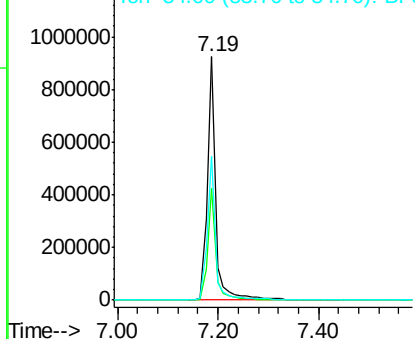
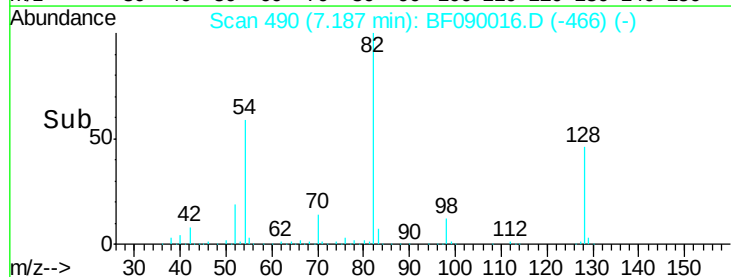


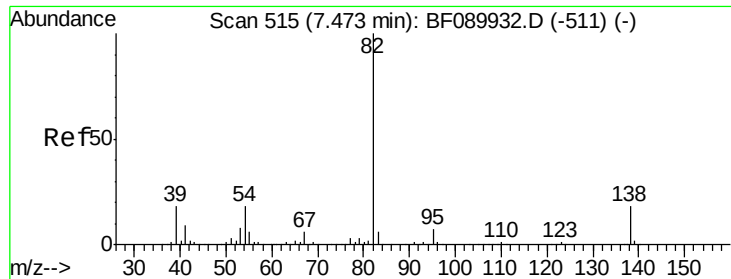
#23  
Nitrobenzene-d5  
Concen: 84.29 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.02 min  
Lab File: BF090016.D  
Acq: 7 Sep 2016 20:33

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1079940 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 45.9  | 37.8  | 56.8    |
| 54       | 59.3  | 46.9  | 70.3    |



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





#25

Isophorone

Concen: 32.83 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

Instrument :

BNA\_F

ClientSampleId :

RAMP-A-(0-2)-15

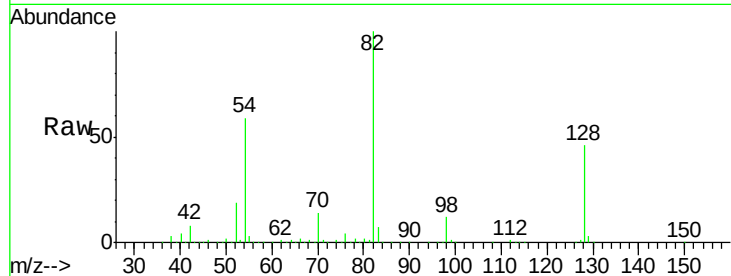
Tgt Ion: 82 Resp: 855376

Ion Ratio Lower Upper

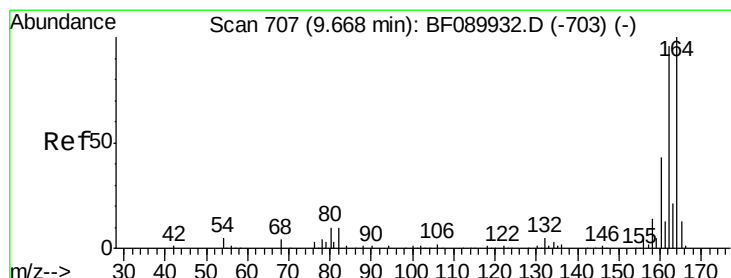
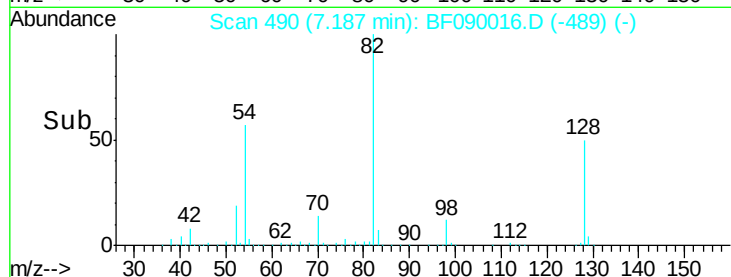
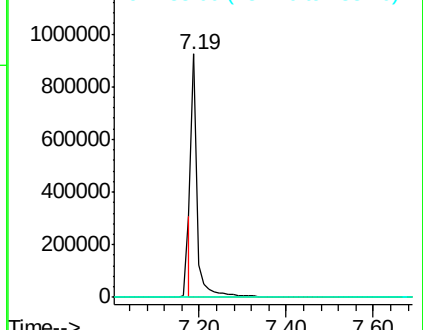
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

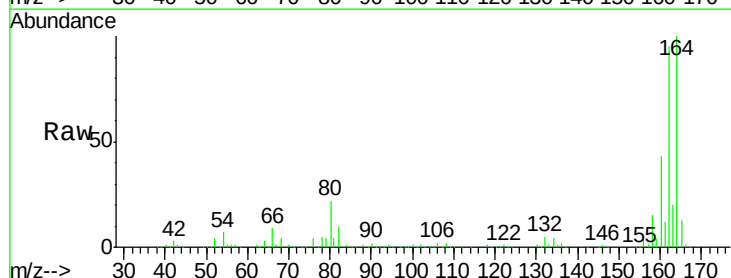
Tgt Ion: 164 Resp: 344569

Ion Ratio Lower Upper

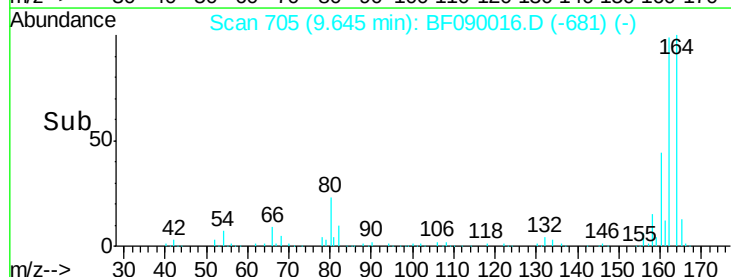
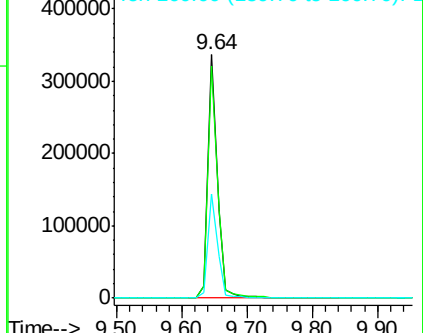
164 100

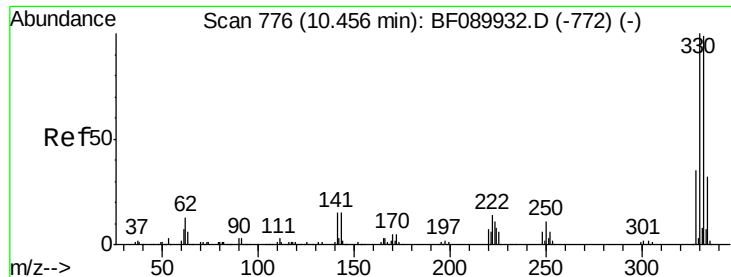
162 95.3 77.1 115.7

160 42.7 35.3 52.9



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

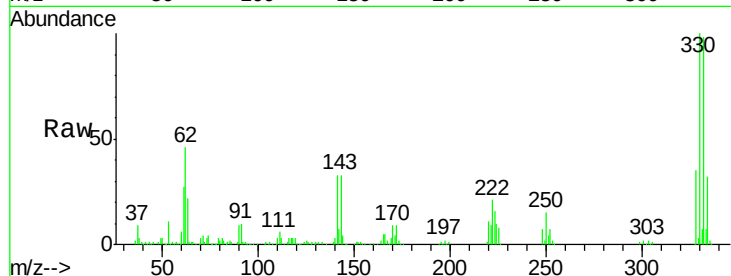




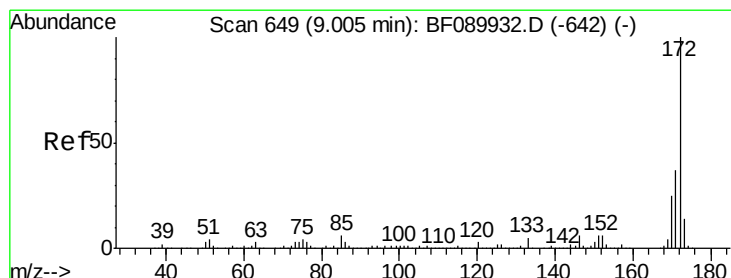
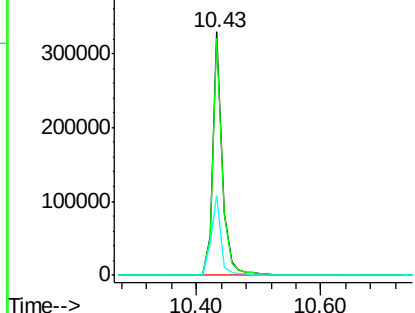
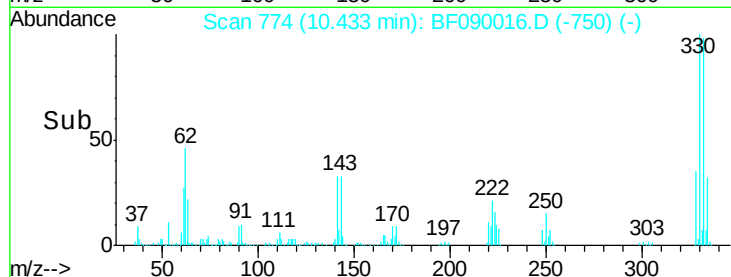
#41  
 2,4,6-Tribromophenol  
 Concen: 102.44 ng  
 RT: 10.43 min Scan# 774  
 Delta R.T. -0.02 min  
 Lab File: BF090016.D  
 Acq: 7 Sep 2016 20:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAMP-A-(0-2)-15

Tgt Ion:330 Resp: 348224  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 78.6 117.8  
 141 34.7 23.3 34.9

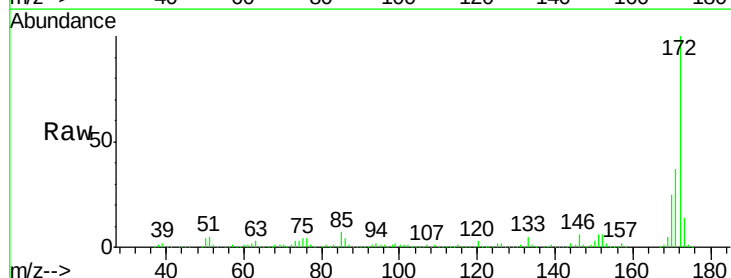


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

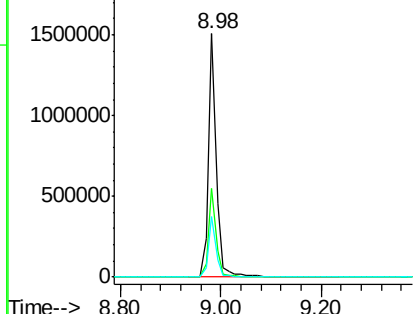
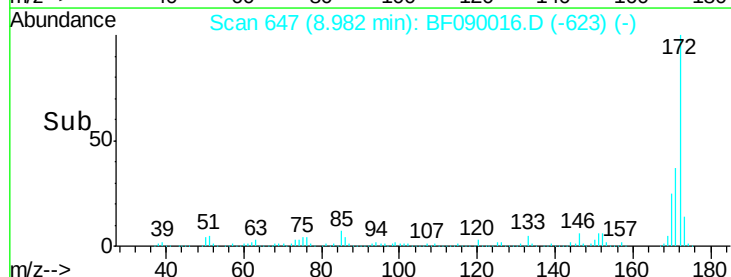


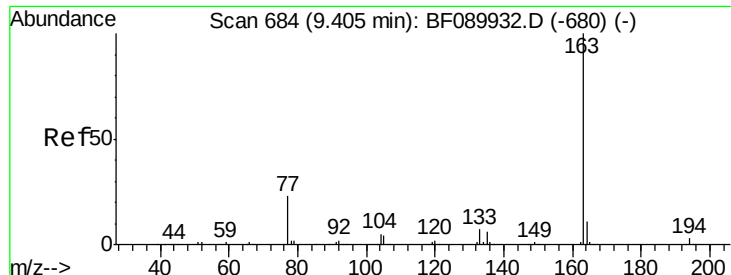
#44  
 2-Fluorobiphenyl  
 Concen: 78.64 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.02 min  
 Lab File: BF090016.D  
 Acq: 7 Sep 2016 20:33

Tgt Ion:172 Resp: 1650639  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.4 44.2  
 170 24.7 20.1 30.1



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

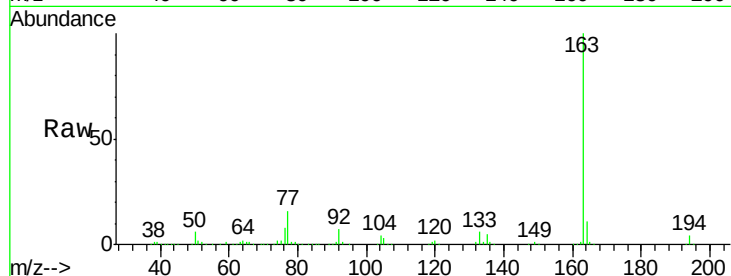




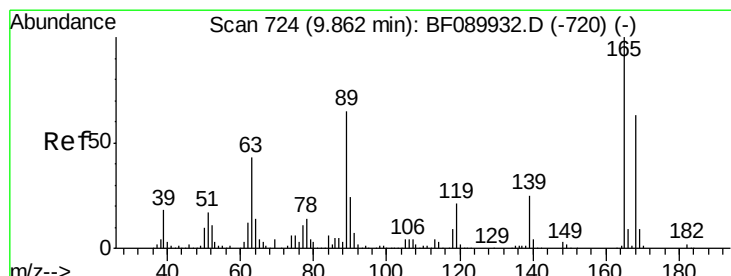
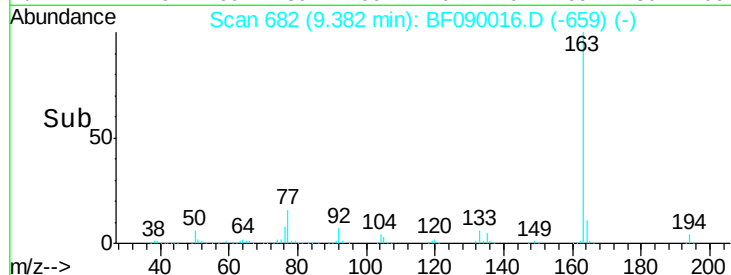
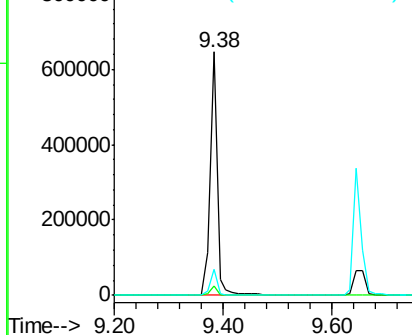
#49  
Dimethylphthalate  
Concen: 23.61 ng  
RT: 9.38 min Scan# 682  
Delta R.T. -0.03 min  
Lab File: BF090016.D  
Acq: 7 Sep 2016 20:33

Instrument :  
BNA\_F  
ClientSampleId :  
RAMP-A-(0-2)-15

Tgt Ion:163 Resp: 587999  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.7 9.0 13.4

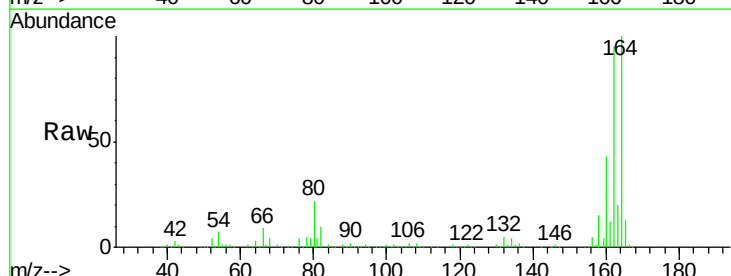


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

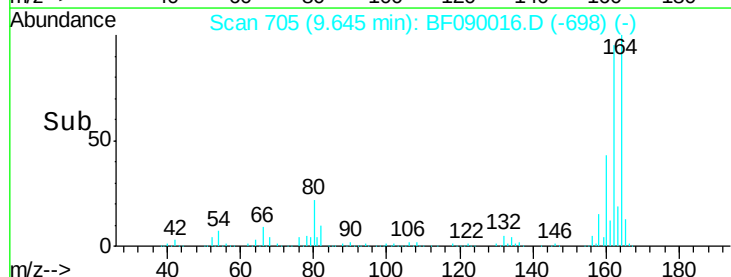
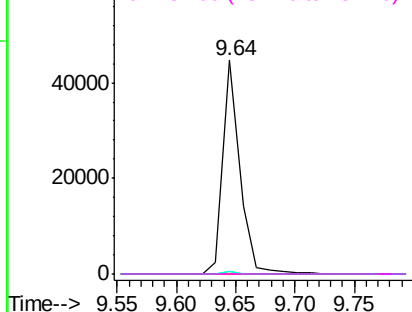


#56  
2,4-Dinitrotoluene  
Concen: 6.32 ng  
RT: 9.64 min Scan# 705  
Delta R.T. -0.22 min  
Lab File: BF090016.D  
Acq: 7 Sep 2016 20:33

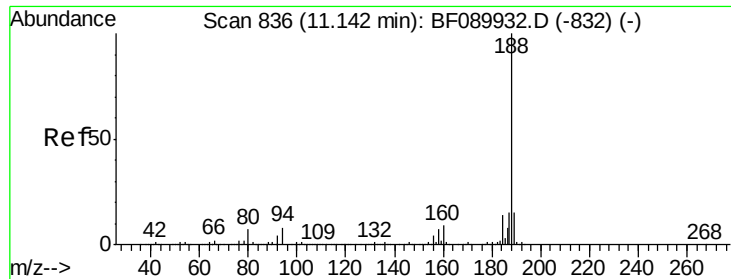
Tgt Ion:165 Resp: 44412  
Ion Ratio Lower Upper  
165 100  
63 1.0 32.5 48.7#  
89 1.3 48.3 72.5#  
182 0.0 1.7 2.5#



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: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

Instrument :

BNA\_F

ClientSampleId :

RAMP-A-(0-2)-15

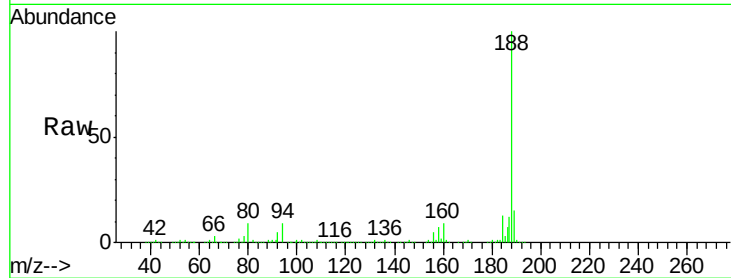
Tgt Ion:188 Resp: 585238

Ion Ratio Lower Upper

188 100

94 9.1 5.9 8.9#

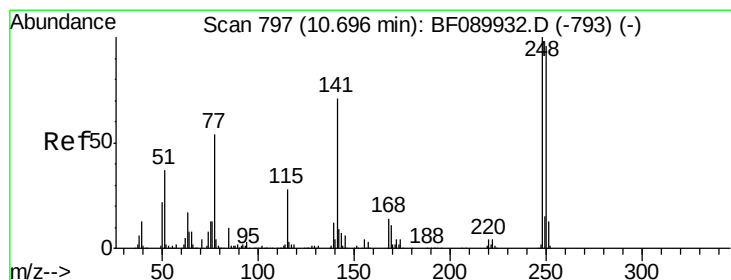
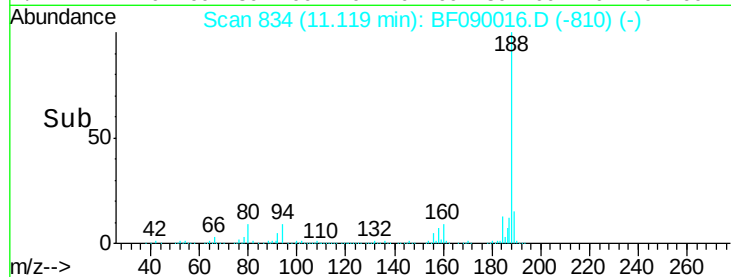
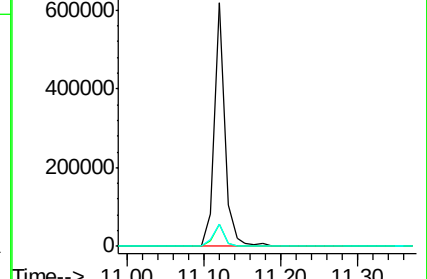
80 9.4 5.8 8.8#



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



#66

4-Bromophenyl-phenylether

Concen: 4.15 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

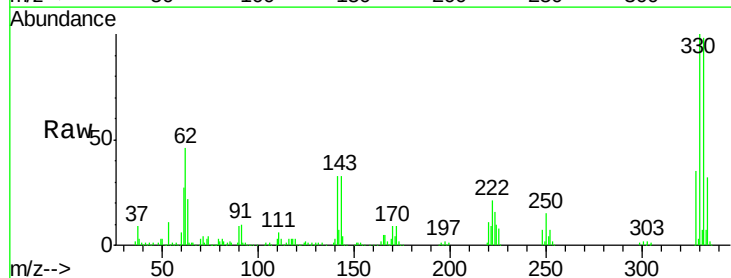
Tgt Ion:248 Resp: 24462

Ion Ratio Lower Upper

248 100

250 203.3 77.3 115.9#

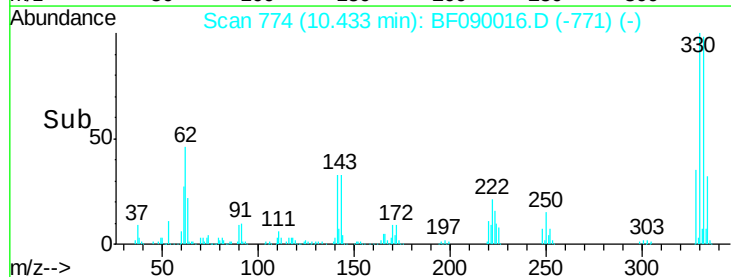
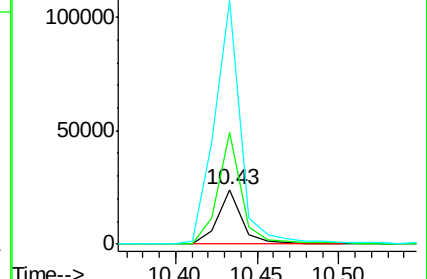
141 444.7 55.8 83.8#

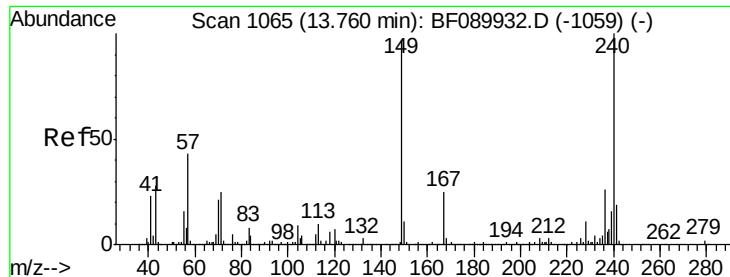


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

Instrument :

BNA\_F

ClientSampleId :

RAMP-A-(0-2)-15

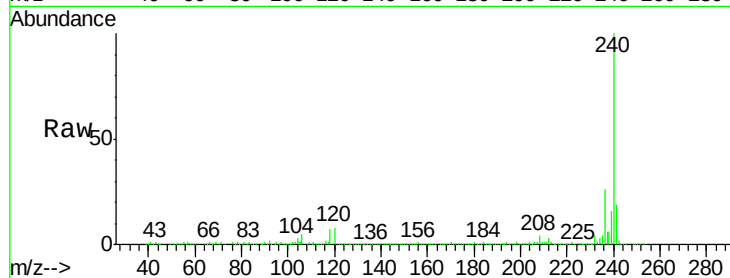
Tgt Ion:240 Resp: 469412

Ion Ratio Lower Upper

240 100

120 7.7 5.7 8.5

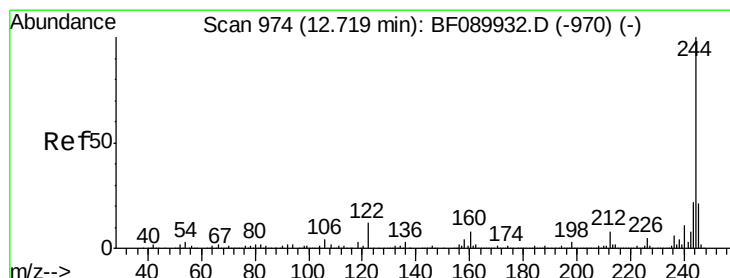
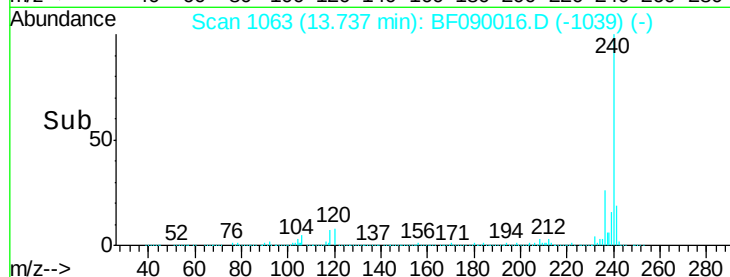
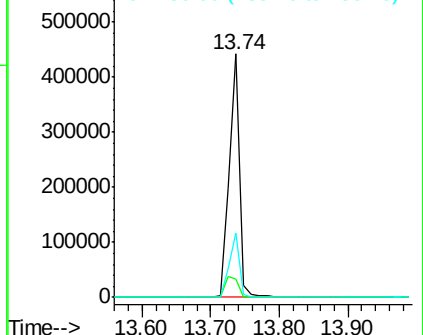
236 26.2 21.3 31.9



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: 61.18 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF090016.D

Acq: 7 Sep 2016 20:33

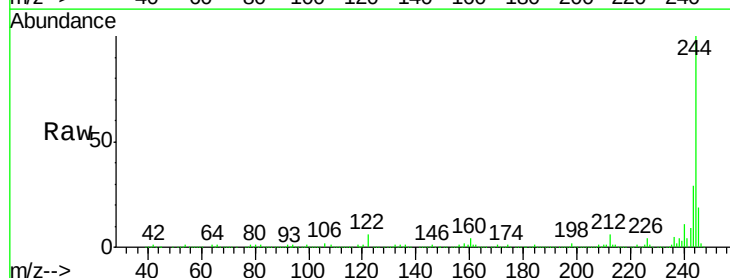
Tgt Ion:244 Resp: 1162535

Ion Ratio Lower Upper

244 100

212 6.4 6.1 9.1

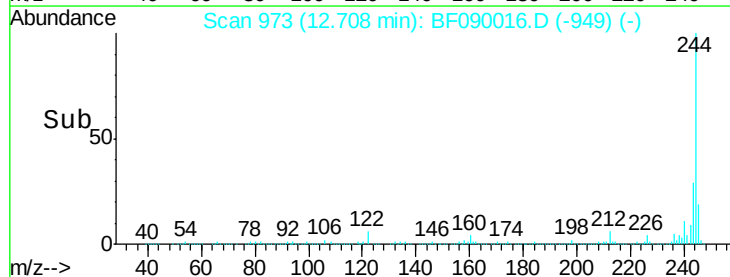
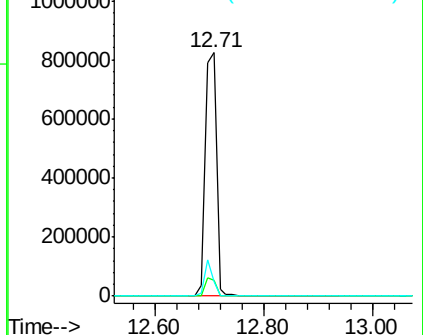
122 5.9 9.6 14.4#

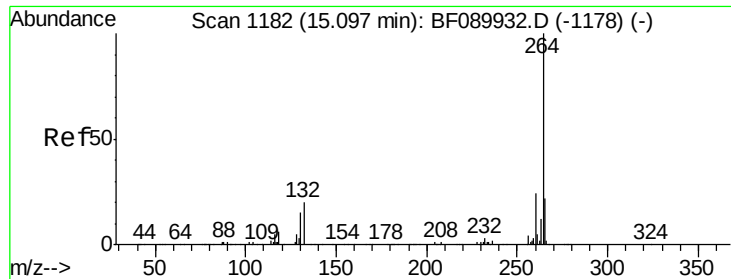


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.07 min Scan# 1180  
Delta R.T. -0.02 min  
Lab File: BF090016.D  
Acq: 7 Sep 2016 20:33

Instrument :  
BNA\_F  
ClientSampleId :  
RAMP-A-(0-2)-15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.4  | 29.0  |
| 265     | 22.1  | 17.4  | 26.2  |

