

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090716\  
 Data File : BF090008.D  
 Acq On : 7 Sep 2016 16:45  
 Operator : UM/SJ  
 Sample : H4676-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 07 17:48:55 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

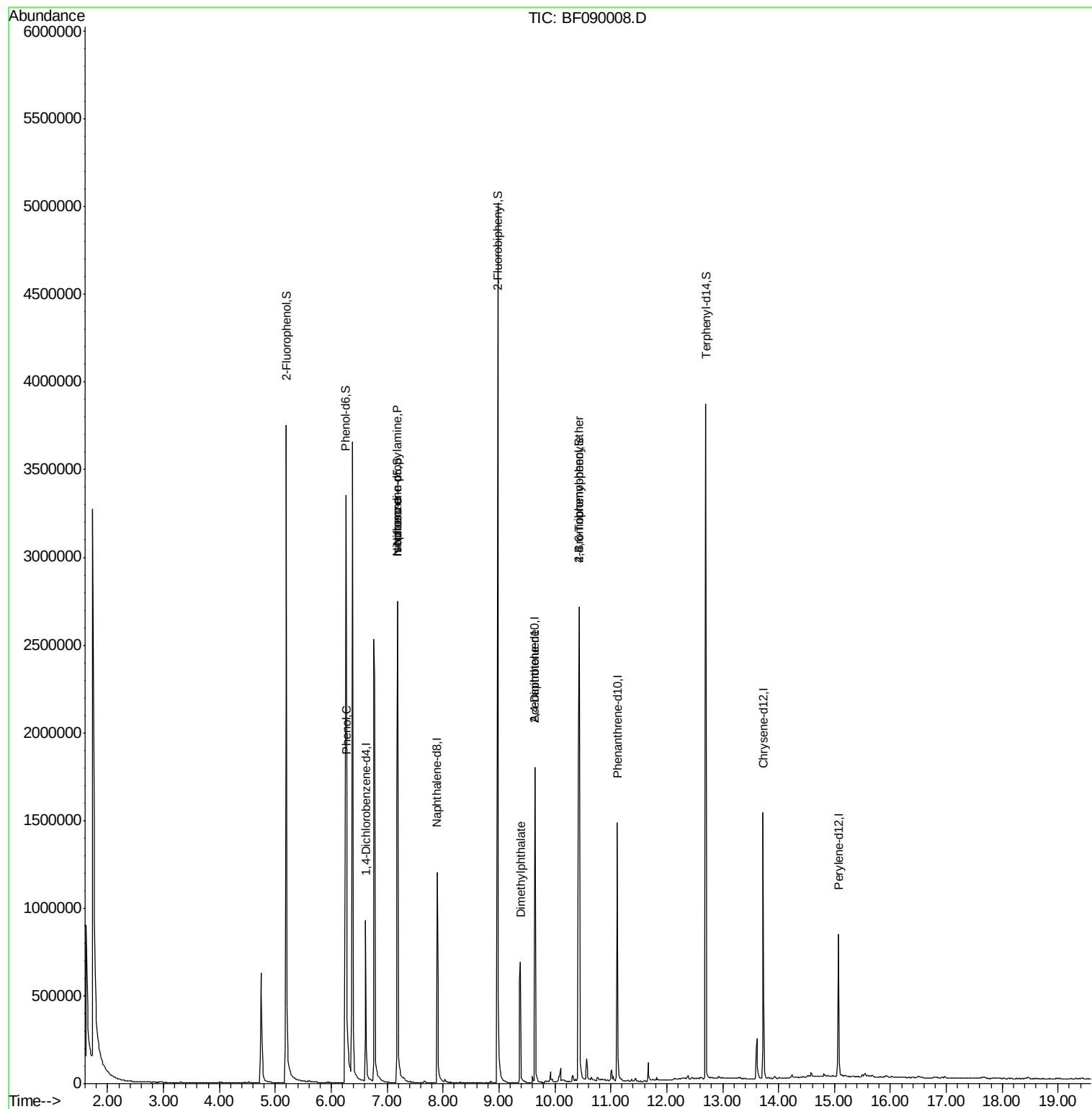
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.62  | 152  | 182072   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.90  | 136  | 732113   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.64  | 164  | 397883   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.12 | 188  | 780830   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.73 | 240  | 547458   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.07 | 264  | 438063   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 1489094  | 130.91 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.26  | 99   | 1864410  | 134.89 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.19  | 82   | 1215117  | 96.26  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.43 | 330  | 473458   | 120.61 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 1889716  | 77.96  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.70 | 244  | 1403054  | 63.31  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.27  | 94   | 39571    | 2.46   | ng    | # 77     |
| 19) n-Nitroso-di-n-propylamine | 7.19  | 70   | 160894   | 17.86  | ng    | # 78     |
| 25) Isophorone                 | 7.19  | 82   | 1185815  | 46.19  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.38  | 163  | 480160   | 16.70  | ng    | 97       |
| 56) 2,4-Dinitrotoluene         | 9.64  | 165  | 51366    | 6.33   | ng    | # 29     |
| 66) 4-Bromophenyl-phenylether  | 10.43 | 248  | 32813    | 4.17   | ng    | # 1      |

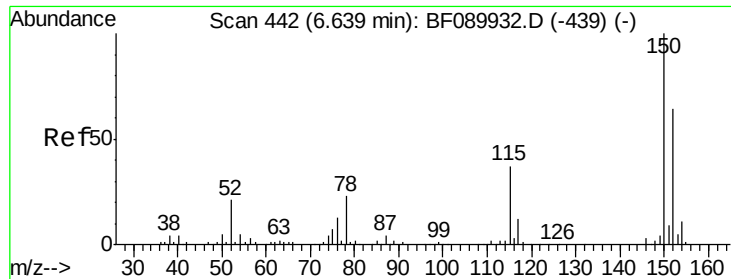
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 02 13:29:08 2016  
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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: BF090008.D

Acq: 7 Sep 2016 16:45

Instrument :

BNA\_F

ClientSampleId :

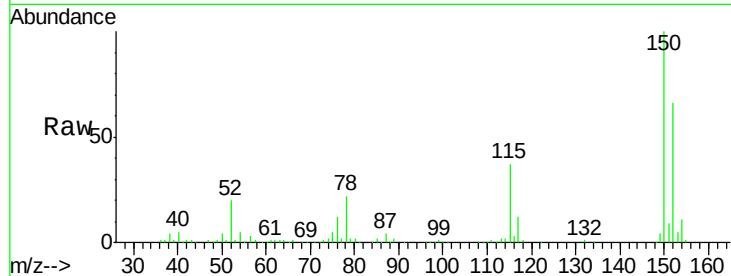
Tot Ion:152 Resp: 182072

Ion Ratio Lower Upper

152 100

150 152.5 127.4 191.2

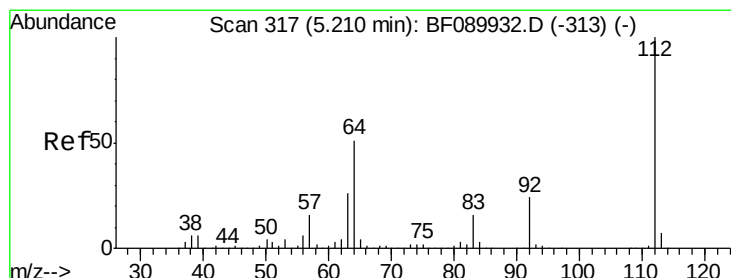
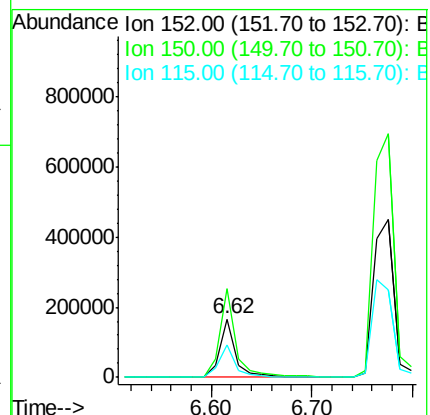
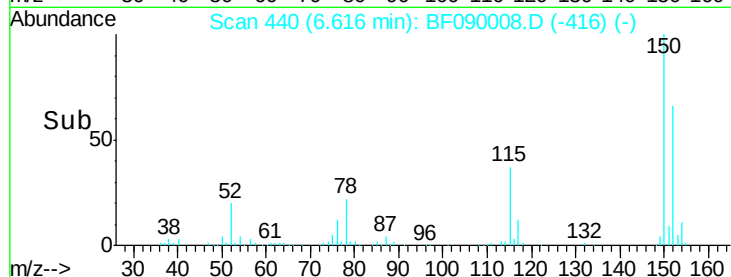
115 56.0 46.3 69.5



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: 130.91 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

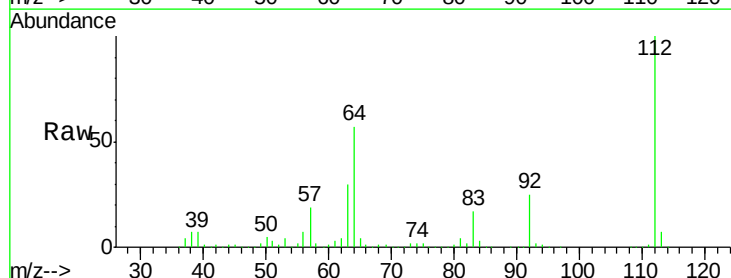
Tgt Ion:112 Resp: 1489094

Ion Ratio Lower Upper

112 100

64 57.3 41.1 61.7

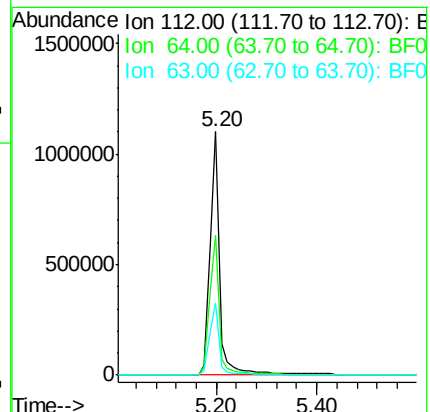
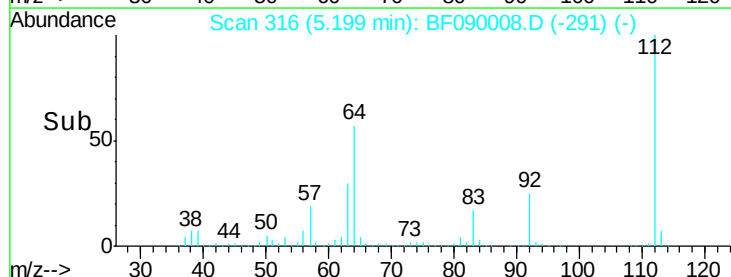
63 29.7 21.2 31.8

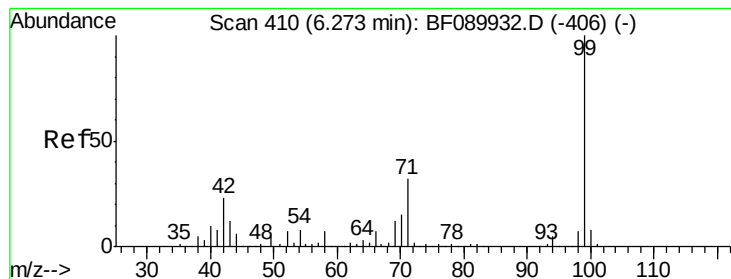


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.89 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

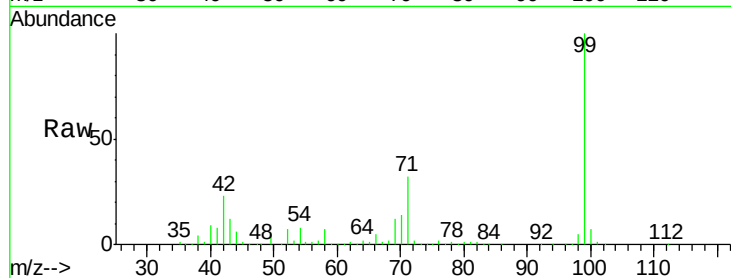
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1864410

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.2  | 18.6  | 27.8  |
| 71  | 32.4  | 25.8  | 38.6  |

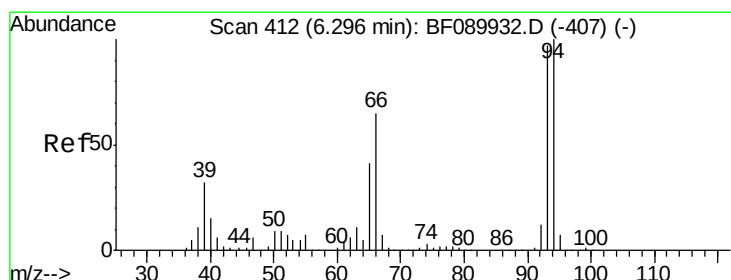
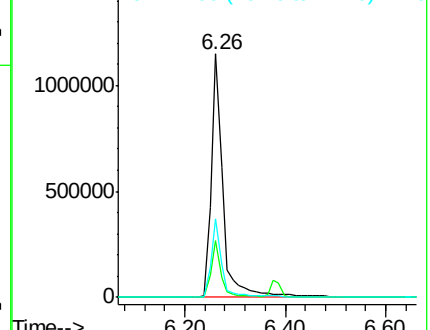
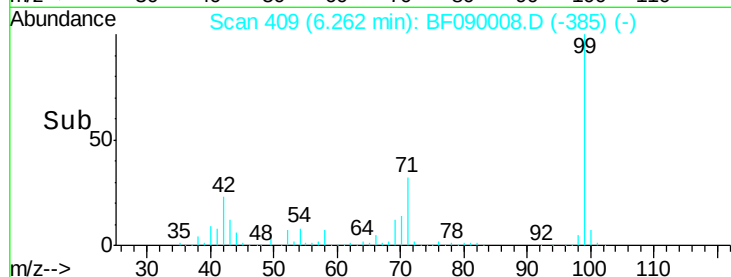


Abundance

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



#10

Phenol

Concen: 2.46 ng

RT: 6.27 min Scan# 410

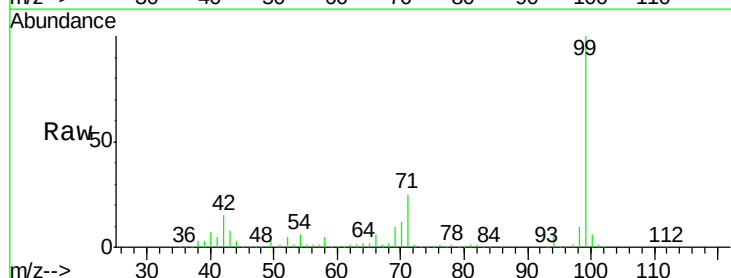
Delta R.T. -0.02 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

Tgt Ion: 94 Resp: 39571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 41.5  | 23.2  | 63.2  |
| 66  | 97.9  | 49.2  | 89.2# |

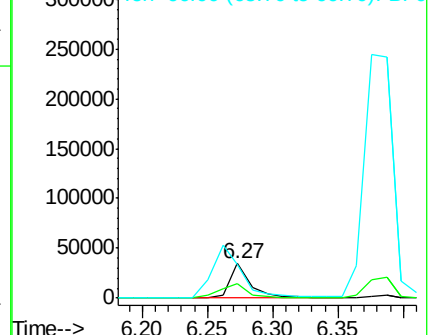
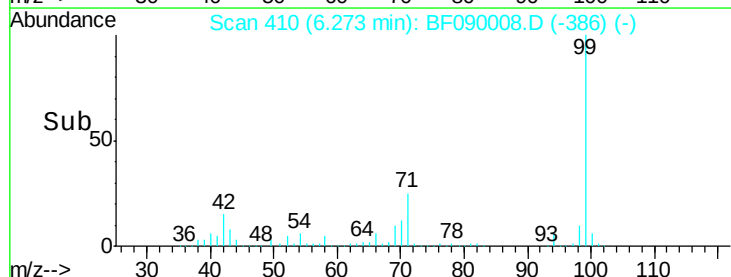


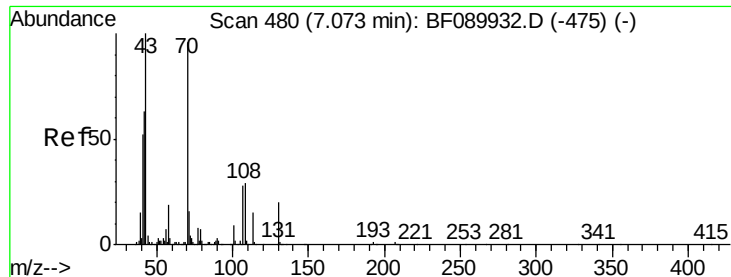
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.86 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF090008.D

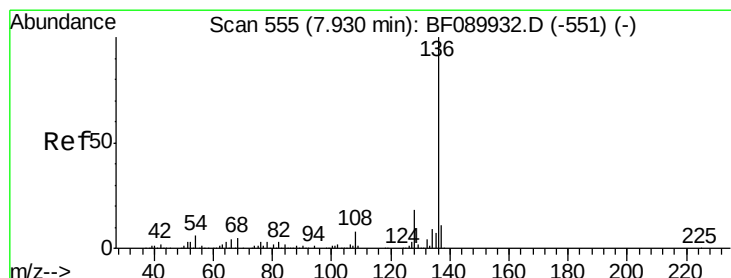
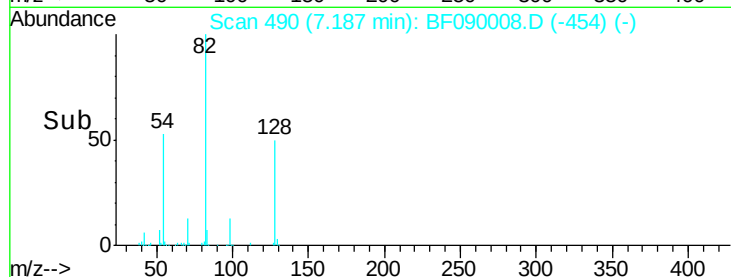
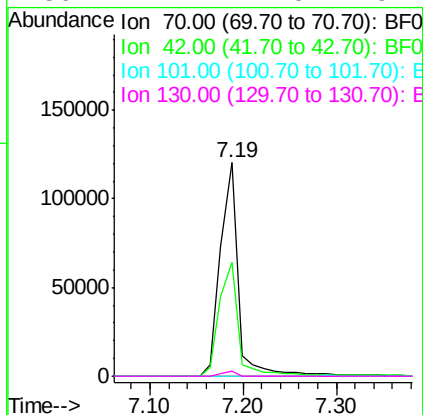
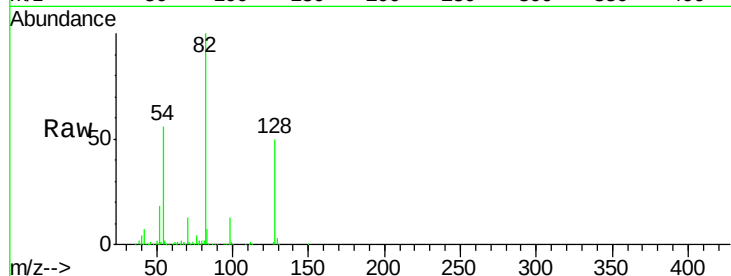
Acq: 7 Sep 2016 16:45

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 160894 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 53.2  | 52.1  | 78.1   |
| 101      | 0.0   | 7.4   | 11.2#  |
| 130      | 2.4   | 17.0  | 25.4#  |



#21

Naphthalene-d8

Concen: 20.00 ng

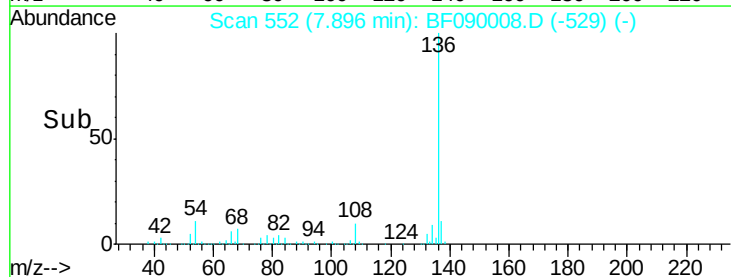
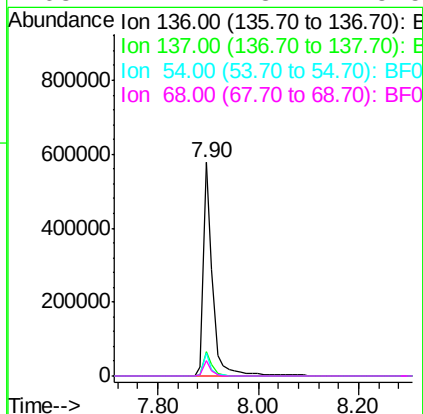
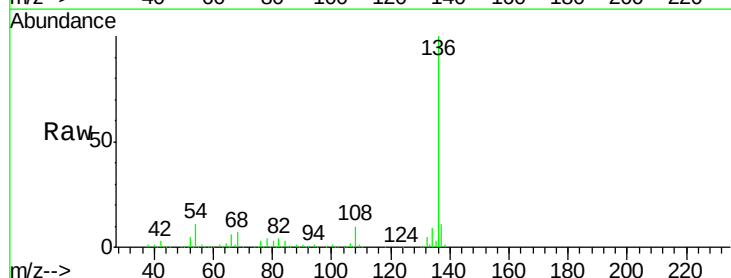
RT: 7.90 min Scan# 552

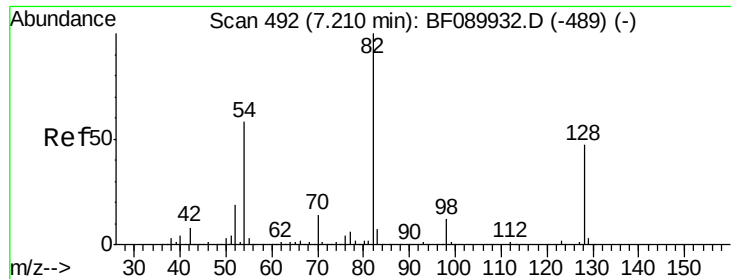
Delta R.T. -0.03 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 732113 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.3   | 12.5   |
| 54       | 10.7  | 4.8   | 7.2#   |
| 68       | 7.2   | 3.7   | 5.5#   |

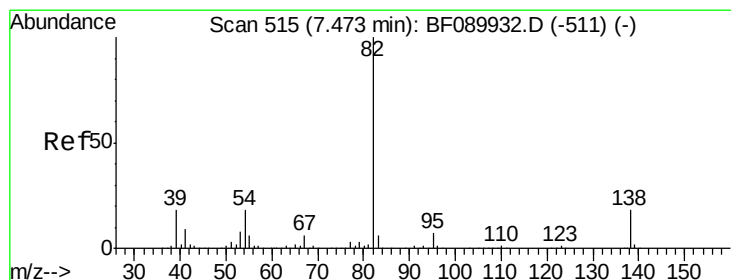
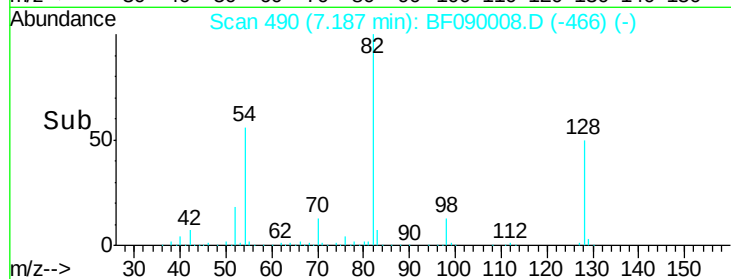
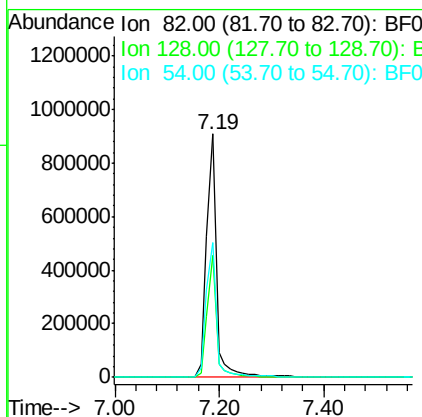
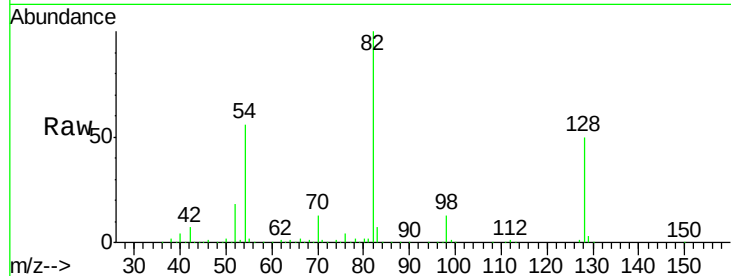




#23  
 Nitrobenzene-d5  
 Concen: 96.26 ng  
 RT: 7.19 min Scan# 490  
 Delta R.T. -0.02 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

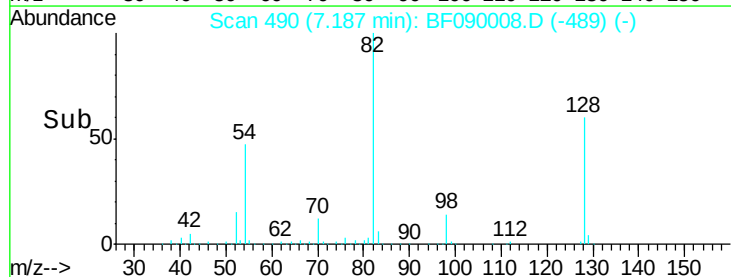
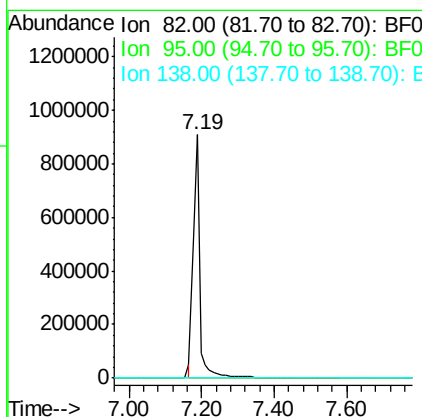
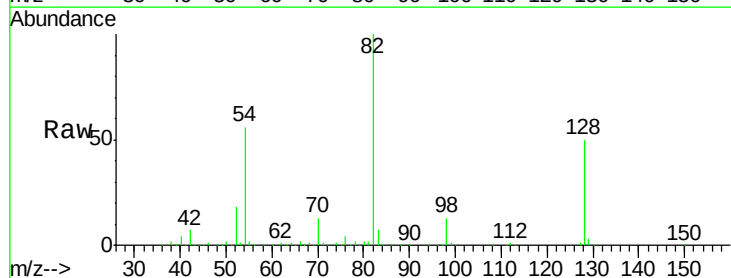
Instrument :  
 BNA\_F  
 ClientSampleID :

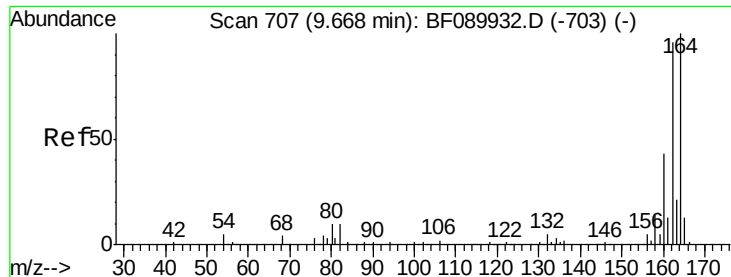
Tot Ion: 82 Resp: 1215117  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 37.8 56.8  
 54 55.6 46.9 70.3



#25  
 Isophorone  
 Concen: 46.19 ng  
 RT: 7.19 min Scan# 490  
 Delta R.T. -0.29 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

Tgt Ion: 82 Resp: 1185815  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.5 8.3#  
 138 0.0 14.4 21.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

Instrument :

BNA\_F

ClientSampleId :

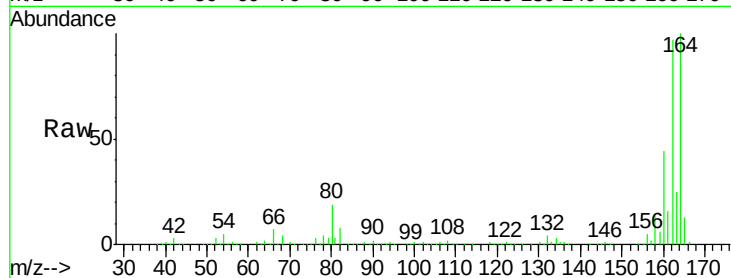
Tot Ion:164 Resp: 397883

Ion Ratio Lower Upper

164 100

162 97.1 77.1 115.7

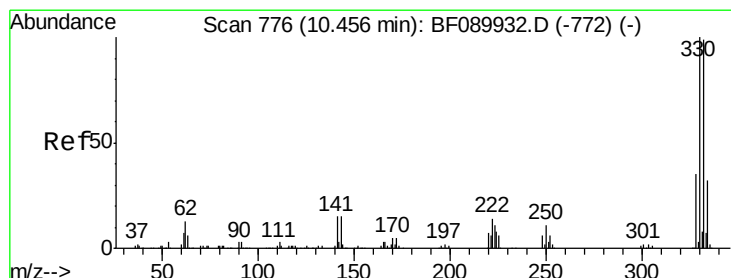
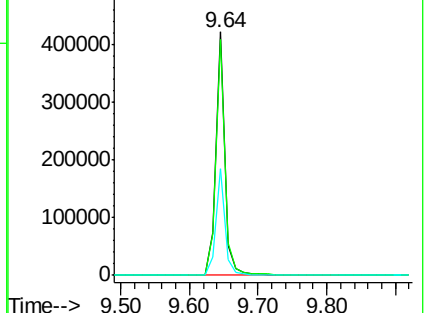
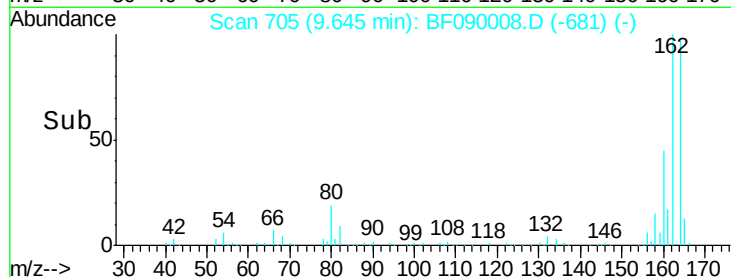
160 43.8 35.3 52.9



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: 120.61 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

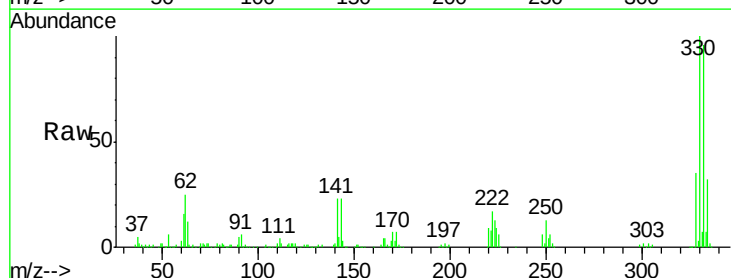
Tgt Ion:330 Resp: 473458

Ion Ratio Lower Upper

330 100

332 96.7 78.6 117.8

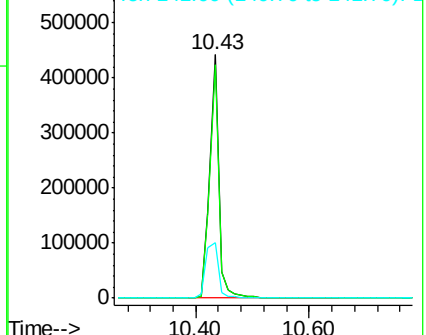
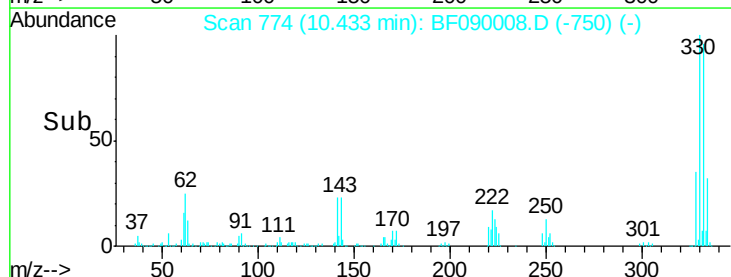
141 31.9 23.3 34.9

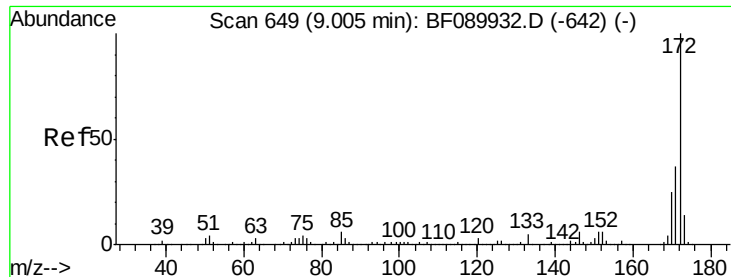


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



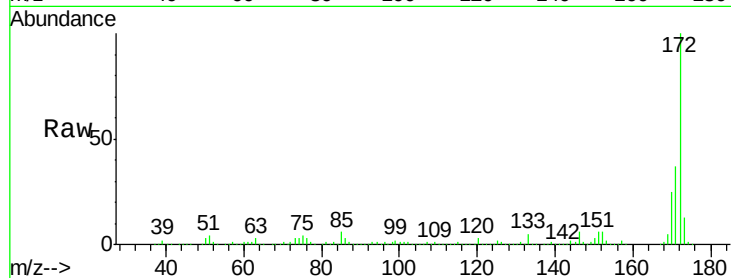


#44  
 2-Fluorobiphenyl  
 Concen: 77.96 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.02 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

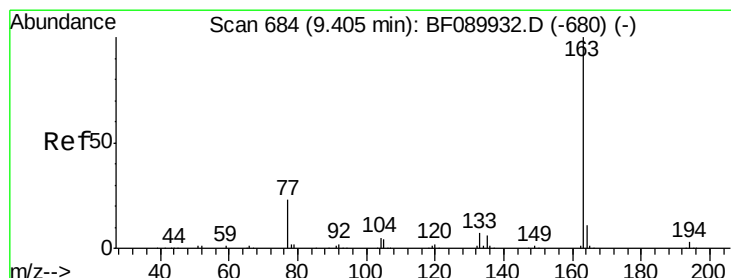
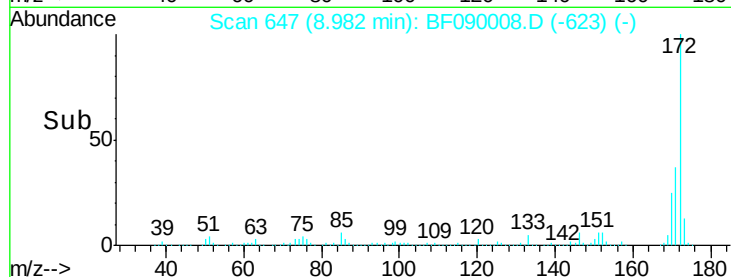
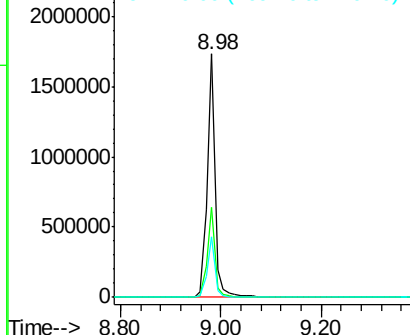
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1889716  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.7  | 29.4  | 44.2  |
| 170 | 25.0  | 20.1  | 30.1  |



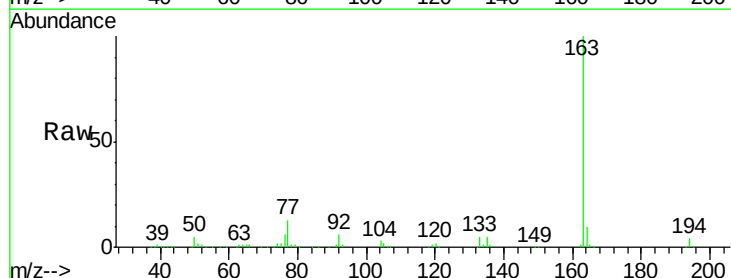
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



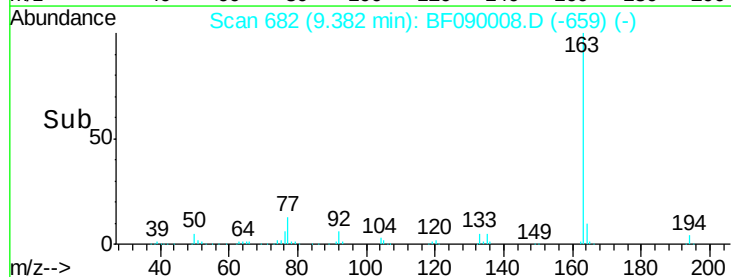
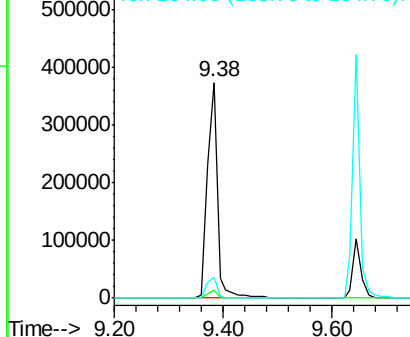
#49  
 Dimethylphthalate  
 Concen: 16.70 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. -0.03 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

Tgt Ion:163 Resp: 480160  

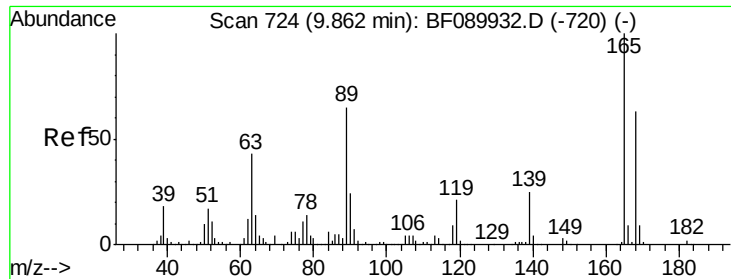
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 2.7   | 4.1   |
| 164 | 9.7   | 9.0   | 13.4  |



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



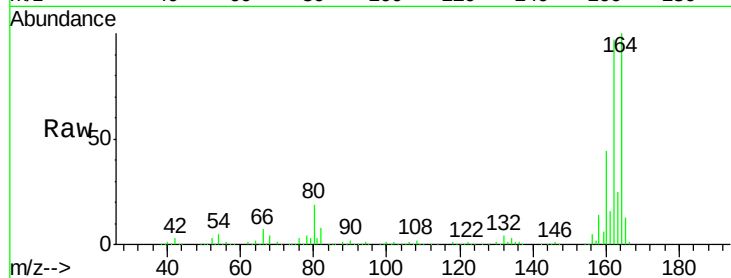




#56  
 2,4-Dinitrotoluene  
 Concen: 6.33 ng  
 RT: 9.64 min Scan# 705  
 Delta R.T. -0.22 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 32.5  | 48.7# |
| 89      | 1.1   | 48.3  | 72.5# |
| 182     | 0.0   | 1.7   | 2.5#  |

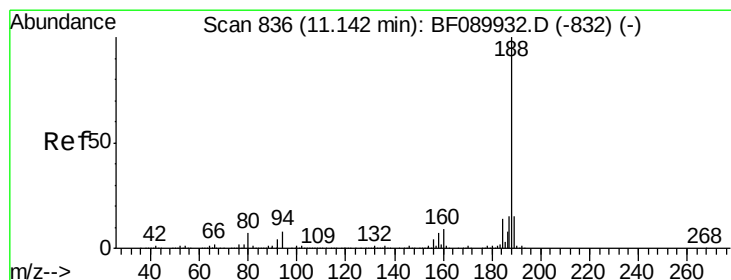
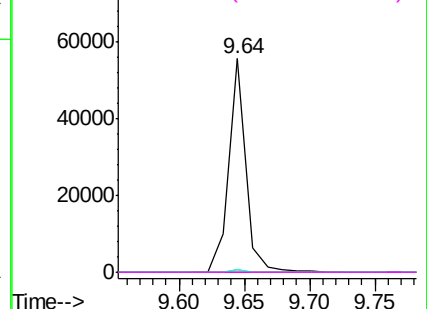
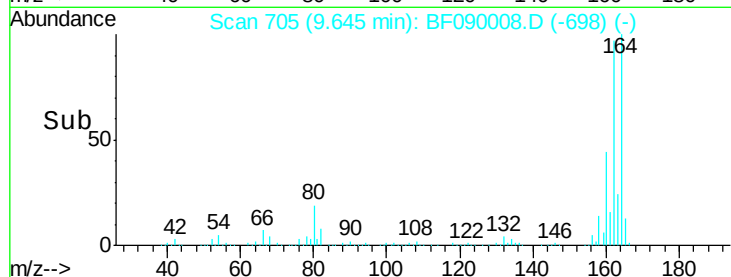


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

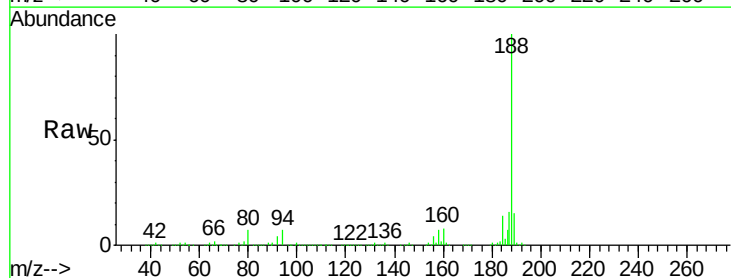
Ion 89.00 (88.70 to 89.70): BF0

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: BF090008.D  
 Acq: 7 Sep 2016 16:45

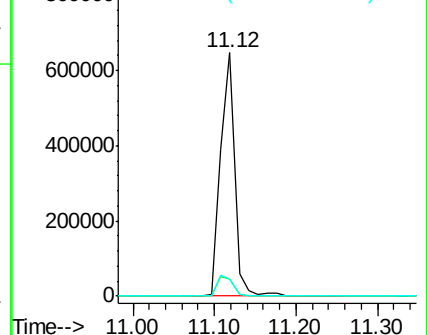
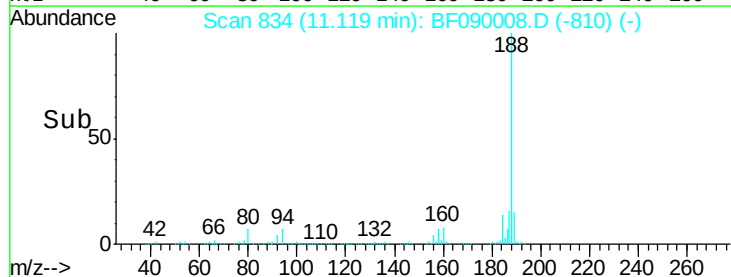
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.2   | 5.9   | 8.9   |
| 80      | 7.2   | 5.8   | 8.8   |

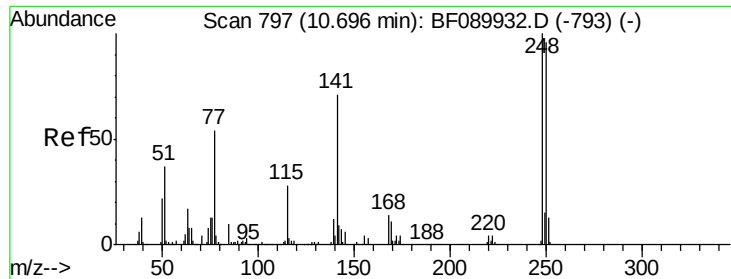


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.17 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

Instrument :

BNA\_F

ClientSampled :

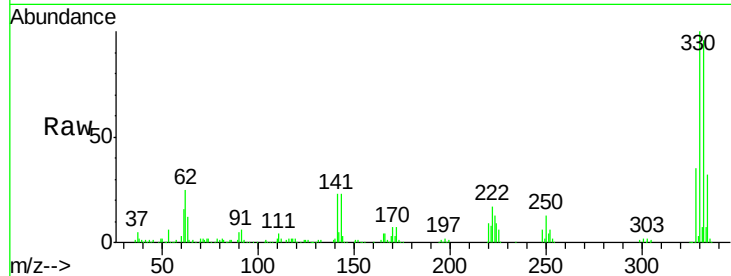
Tot Ion:248 Resp: 32813

Ion Ratio Lower Upper

248 100

250 199.6 77.3 115.9#

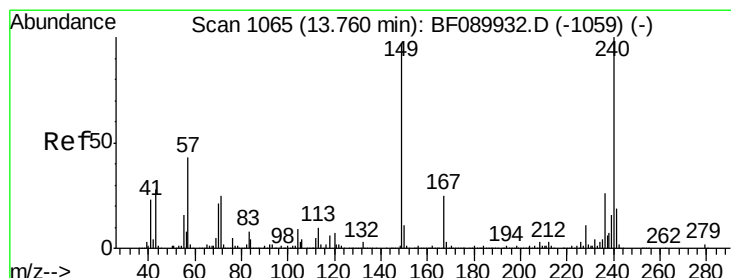
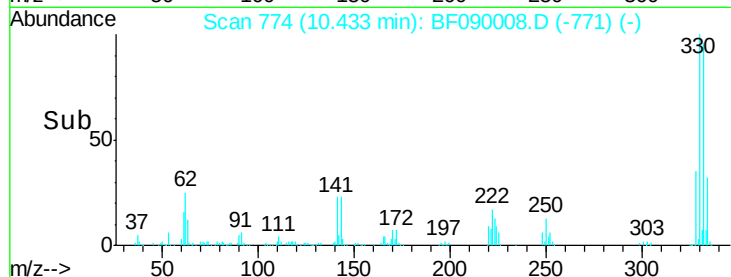
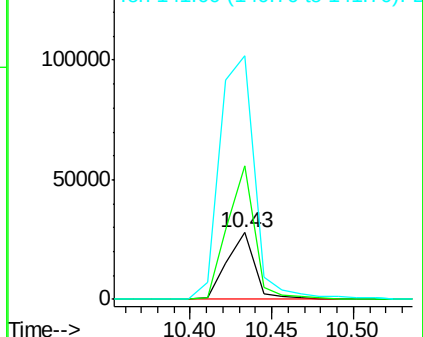
141 365.5 55.8 83.8#



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: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF090008.D

Acq: 7 Sep 2016 16:45

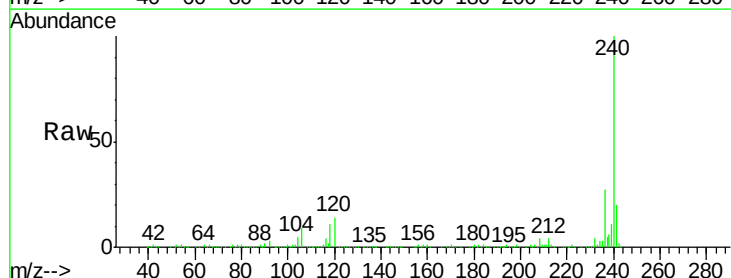
Tgt Ion:240 Resp: 547458

Ion Ratio Lower Upper

240 100

120 13.7 5.7 8.5#

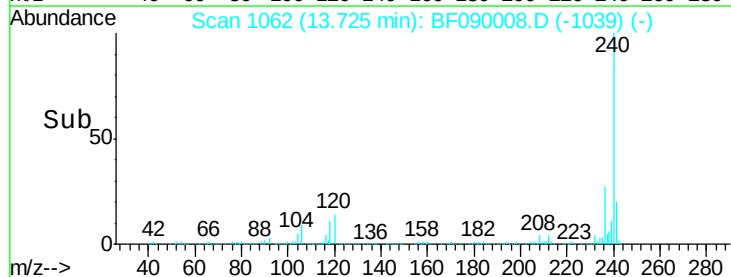
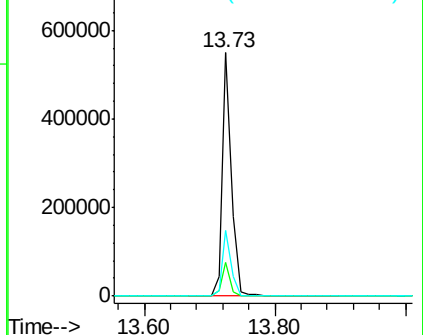
236 26.9 21.3 31.9

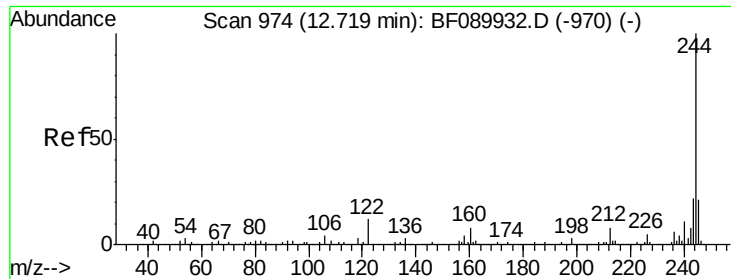


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

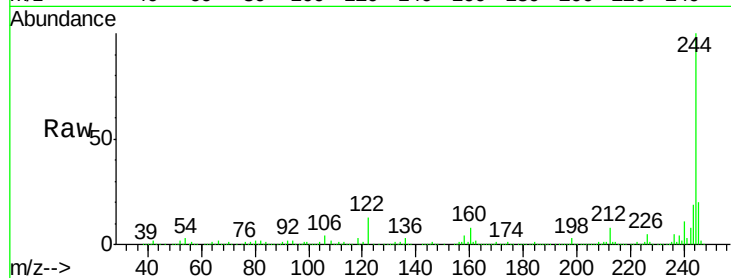




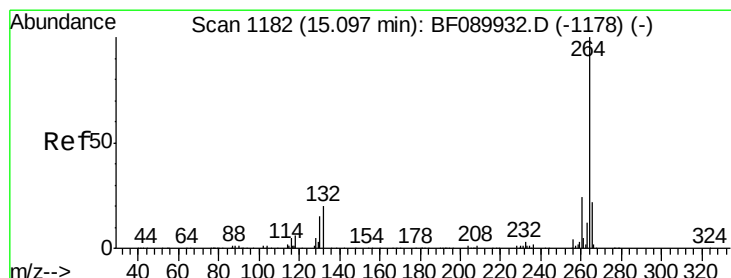
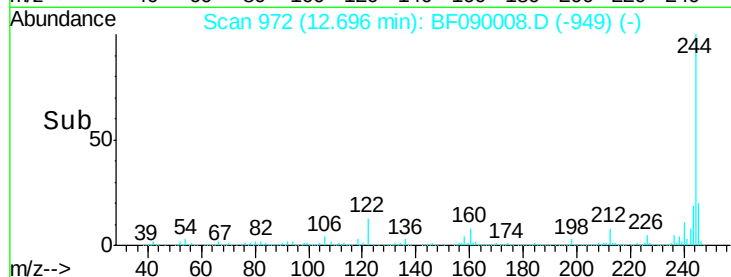
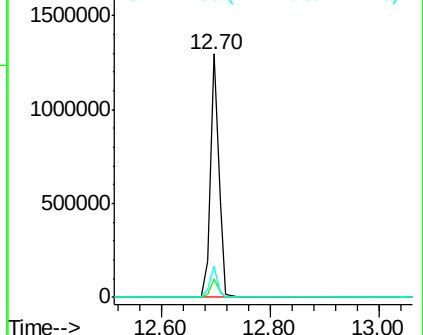
#78  
 Terphenyl-d14  
 Concen: 63.31 ng  
 RT: 12.70 min Scan# 972  
 Delta R.T. -0.03 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1403054  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.1 9.1  
 122 12.7 9.6 14.4

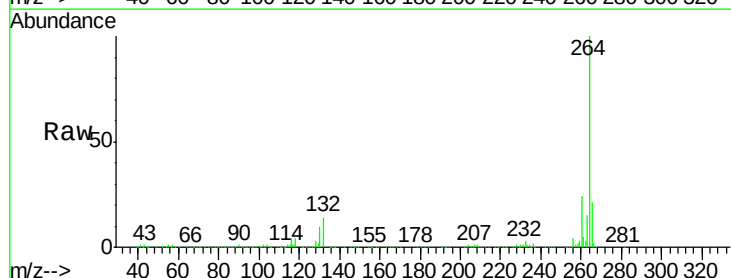


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1180  
 Delta R.T. -0.02 min  
 Lab File: BF090008.D  
 Acq: 7 Sep 2016 16:45

Tgt Ion:264 Resp: 438063  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.4 29.0  
 265 21.1 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

