

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061616\  
 Data File : BF088088.D  
 Acq On : 16 Jun 2016 21:16  
 Operator : UM/SJ  
 Sample : H3596-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMP

Quant Time: Jun 17 04:08:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 16 14:54:54 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 116974   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 442715   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.75  | 164  | 197049   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.23 | 188  | 354978   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.86 | 240  | 231068   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.25 | 264  | 216526   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.31  | 112  | 645327   | 94.31 | ng    | 0.01     |
| 7) Phenol-d6                | 6.36  | 99   | 780660   | 94.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 577568   | 76.18 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 191656   | 92.11 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 875845   | 68.77 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 685246   | 67.48 | ng    | 0.00     |

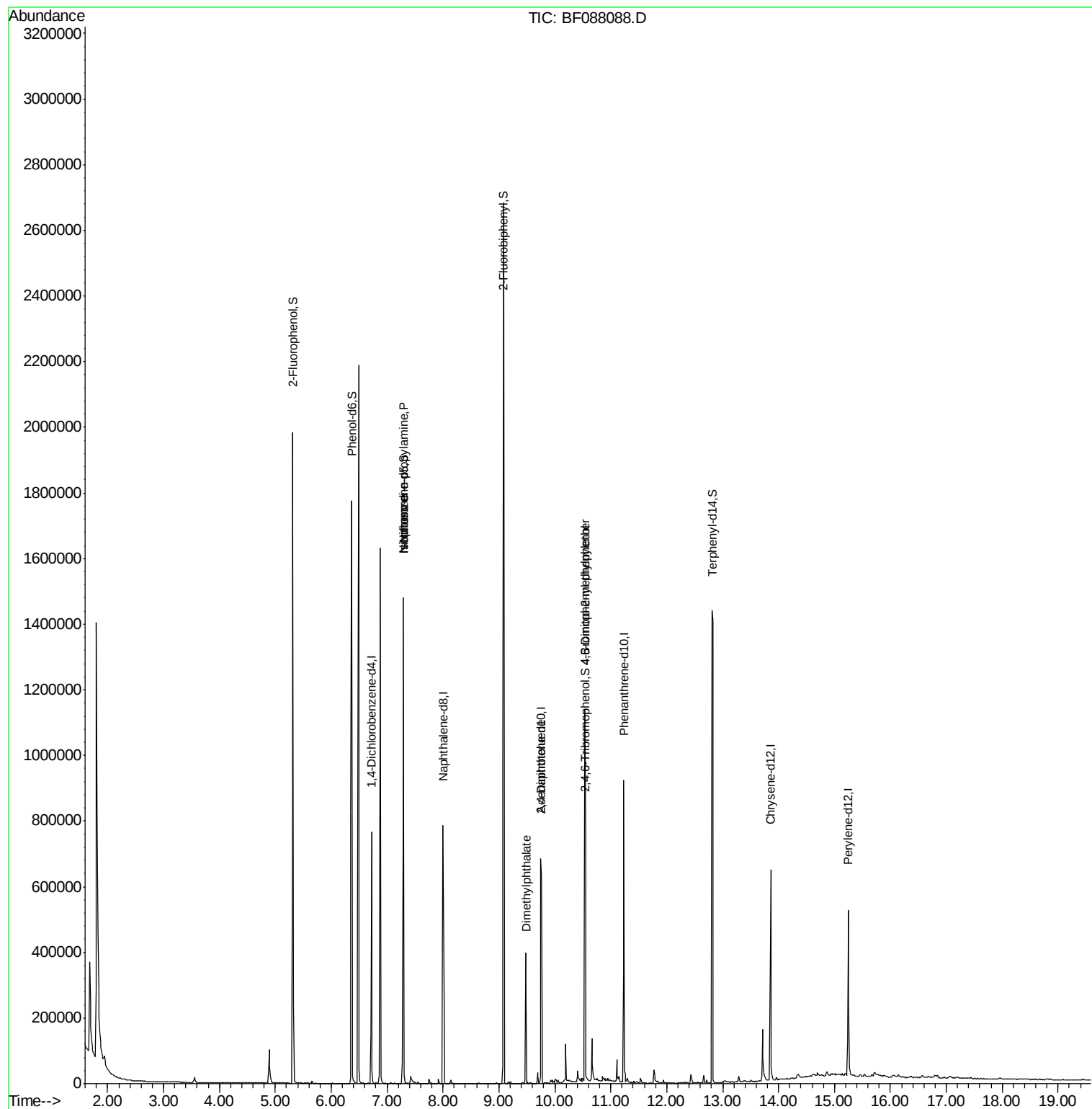
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 10) Phenol                     | 6.38  | 94   | 8695     | Below Cal | #     | 55     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 75213    | 14.18     | ng    | 68     |
| 25) Isophorone                 | 7.29  | 82   | 563330   | 40.11     | ng    | 65     |
| 45) 1,1'-Biphenyl              | 9.08  | 154  | 1824     | Below Cal | #     | 1      |
| 49) Dimethylphthalate          | 9.48  | 163  | 245647   | 17.21     | ng    | 98     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 24876    | 5.92      | ng    | 36     |
| 57) Fluorene                   | 10.30 | 166  | 562      | Below Cal | #     | 94     |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 314      | 2.30      | ng    | 1      |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 11695    | 3.07      | ng    | 1      |

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

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QLast Update : Thu Jun 16 14:54:54 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

Instrument :

BNA\_F

ClientSampleId :

SB-02-COMP

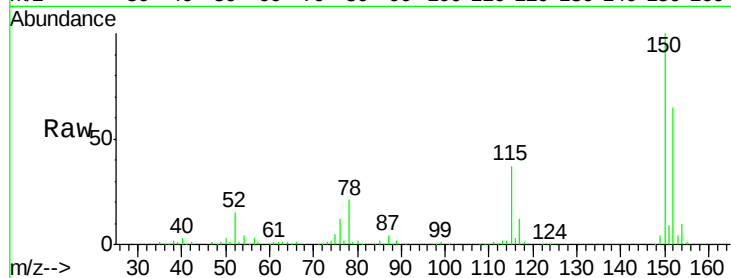
Tgt Ion:152 Resp: 116974

Ion Ratio Lower Upper

152 100

150 154.7 123.8 185.6

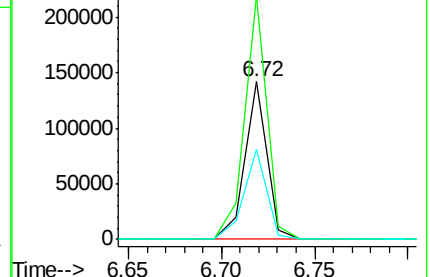
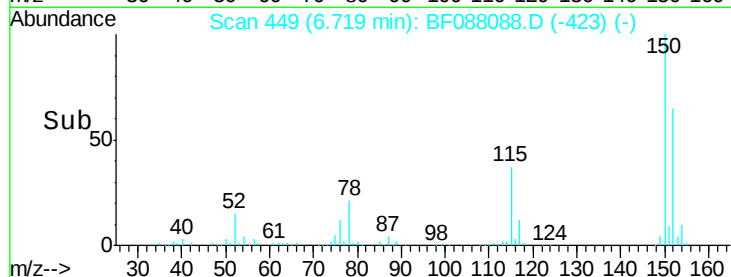
115 57.6 39.6 59.4



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: 94.31 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

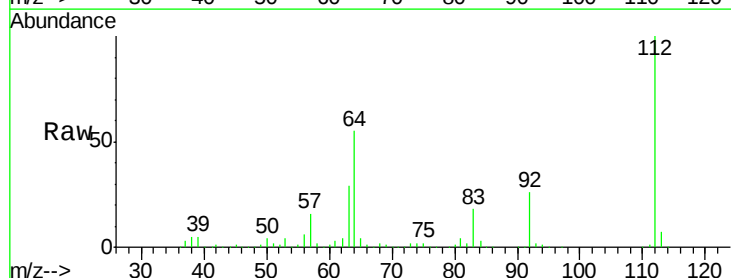
Tgt Ion:112 Resp: 645327

Ion Ratio Lower Upper

112 100

64 55.0 42.2 63.2

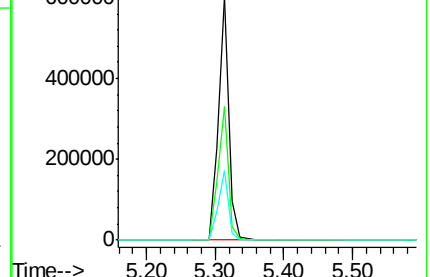
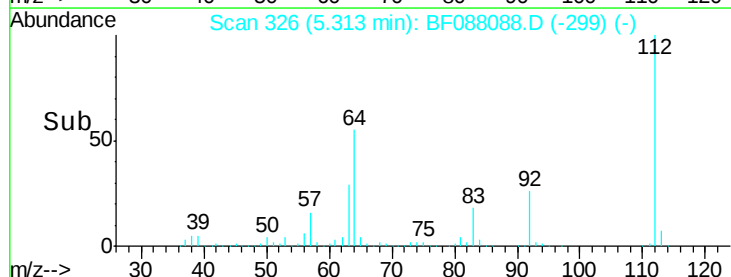
63 28.5 21.8 32.8

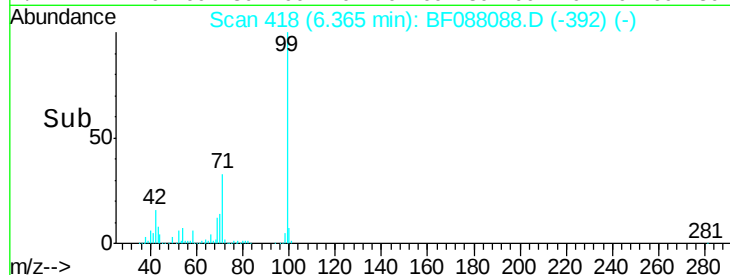
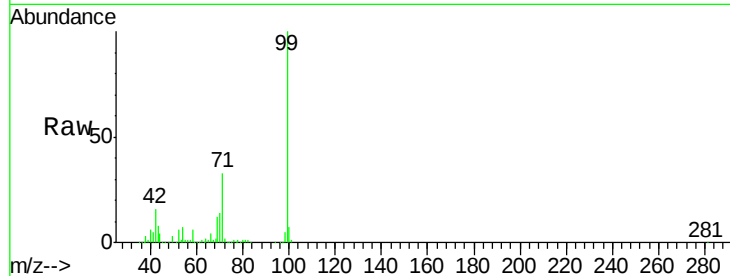


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.14 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

Instrument :

BNA\_F

ClientSampleId :

SB-02-COMP

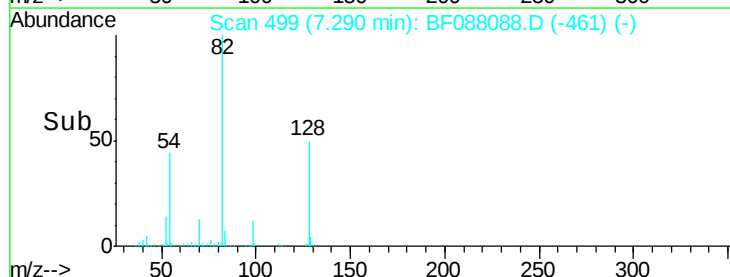
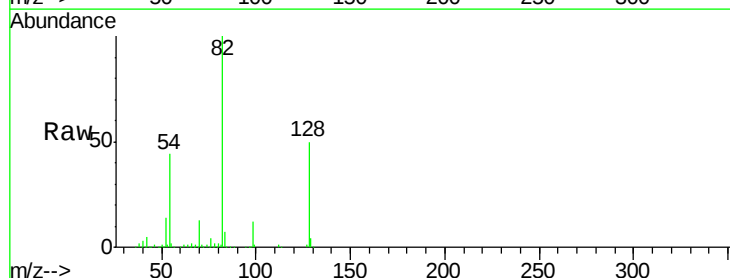
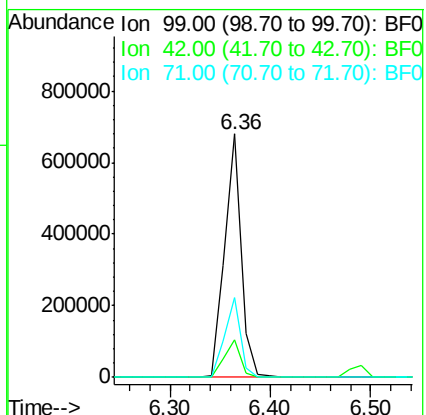
Tgt Ion: 99 Resp: 780660

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

71 32.9 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.18 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.14 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

Tgt Ion: 70 Resp: 75213

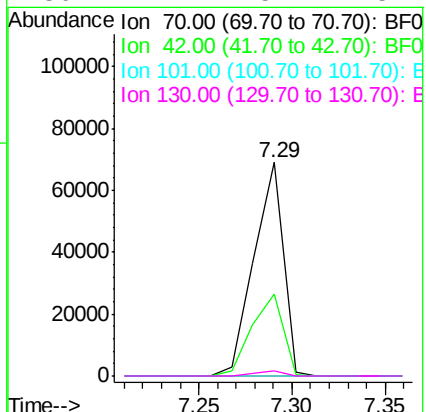
Ion Ratio Lower Upper

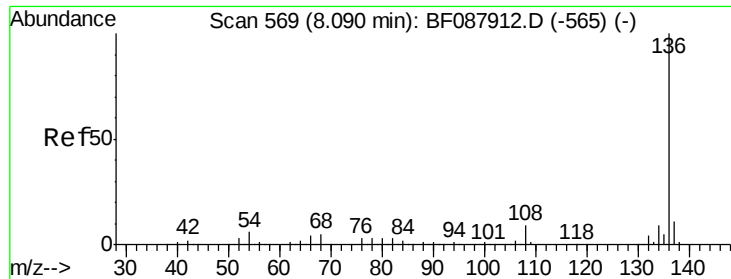
70 100

42 38.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

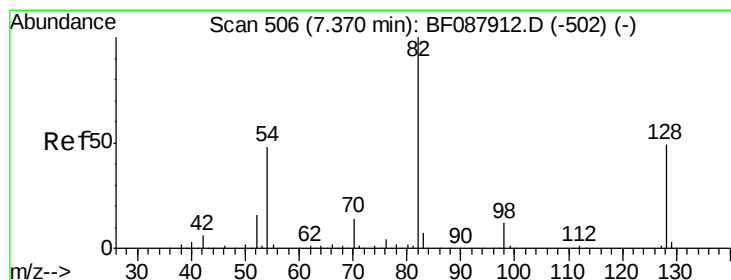
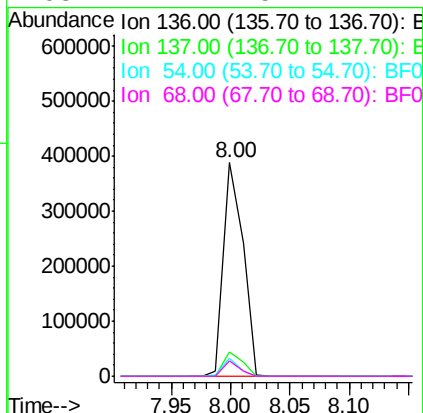
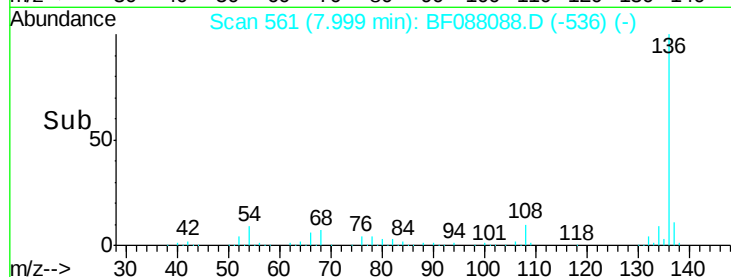
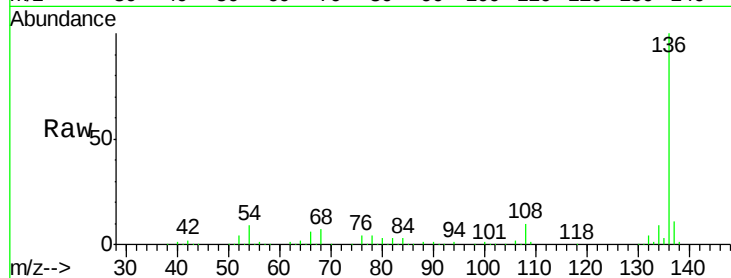




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 561  
Delta R.T. -0.01 min  
Lab File: BF088088.D  
Acq: 16 Jun 2016 21:16

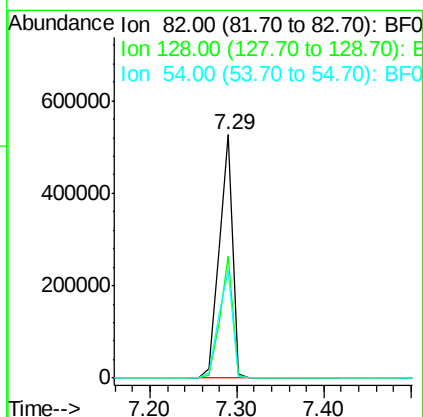
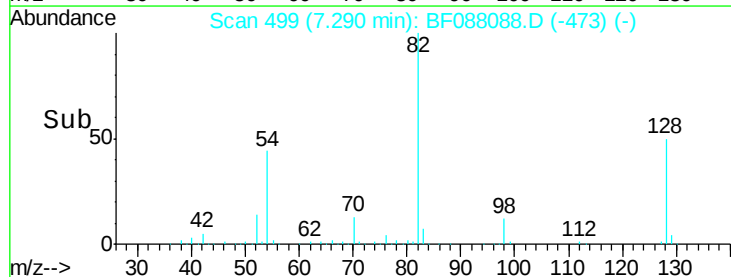
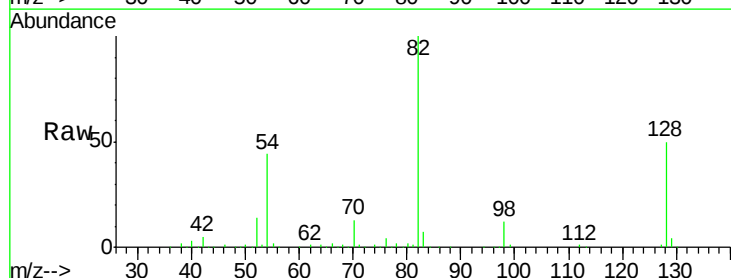
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMP

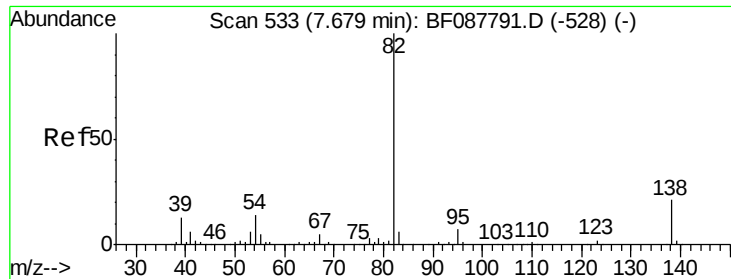
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 442715 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 9.1   | 13.7   |
| 54       | 8.6   | 6.6   | 10.0   |
| 68       | 7.1   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 76.18 ng  
RT: 7.29 min Scan# 499  
Delta R.T. 0.00 min  
Lab File: BF088088.D  
Acq: 16 Jun 2016 21:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 577568 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 50.0  | 35.9  | 53.9   |
| 54       | 44.3  | 40.9  | 61.3   |





#25

Isophorone

Concen: 40.11 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.26 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

Instrument :

BNA\_F

ClientSampleId :

SB-02-COMP

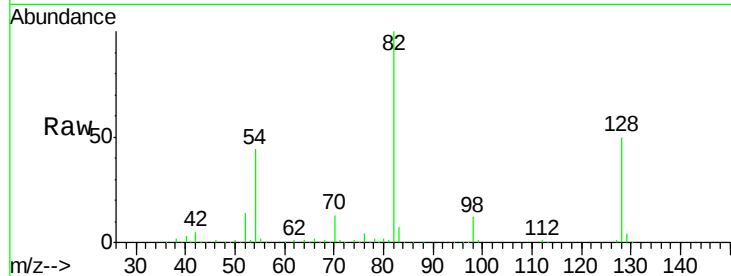
Tgt Ion: 82 Resp: 563330

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

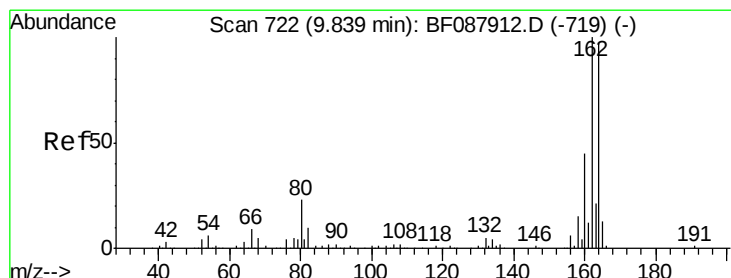
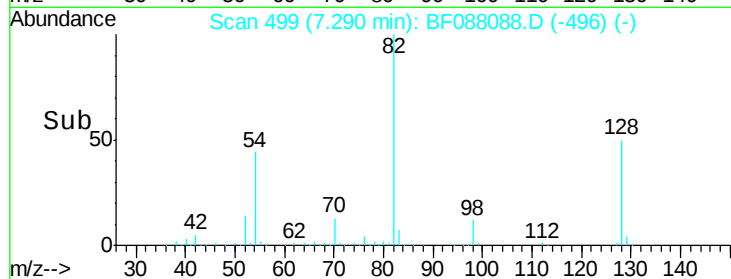
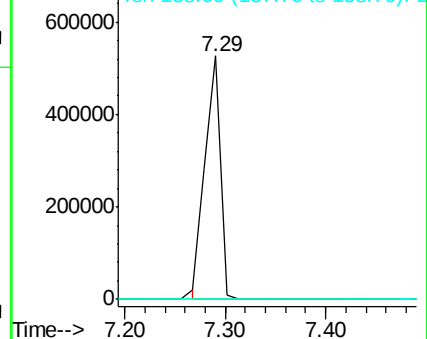
138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

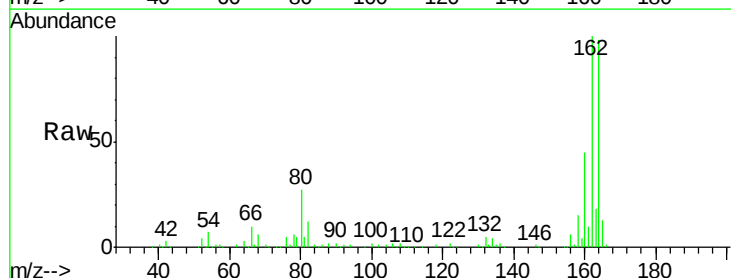
Tgt Ion: 164 Resp: 197049

Ion Ratio Lower Upper

164 100

162 102.0 85.4 128.2

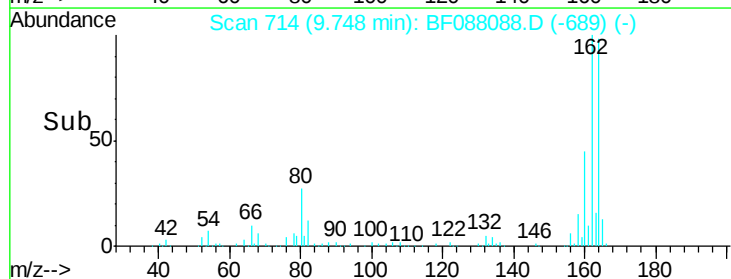
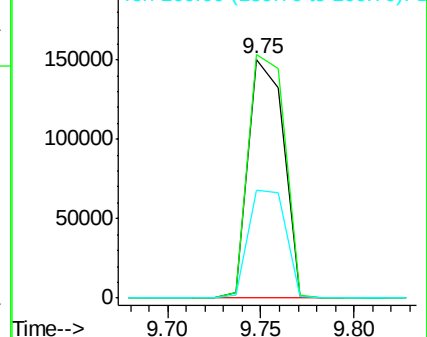
160 45.4 39.5 59.3

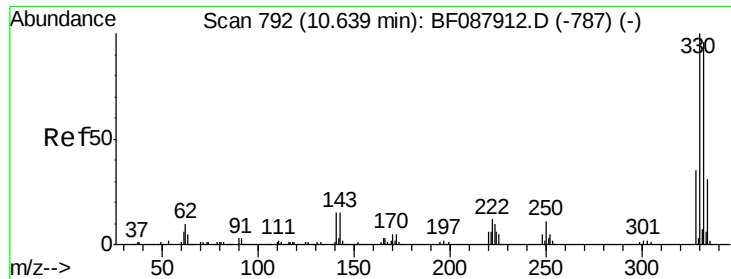


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

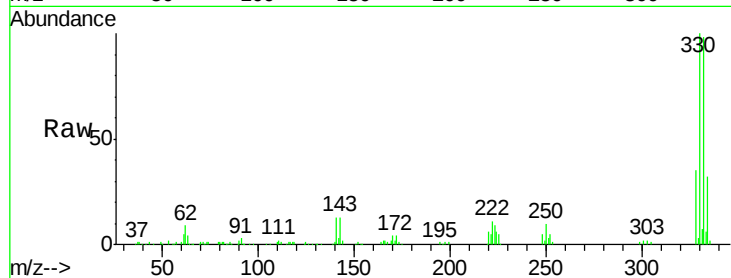




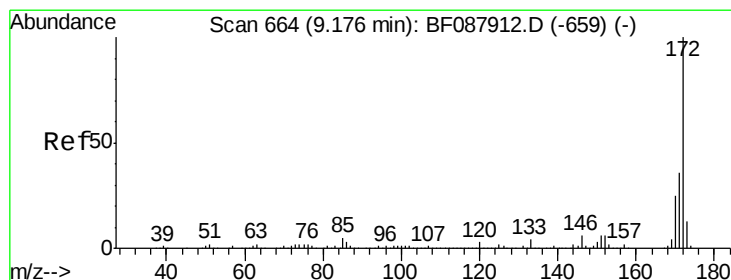
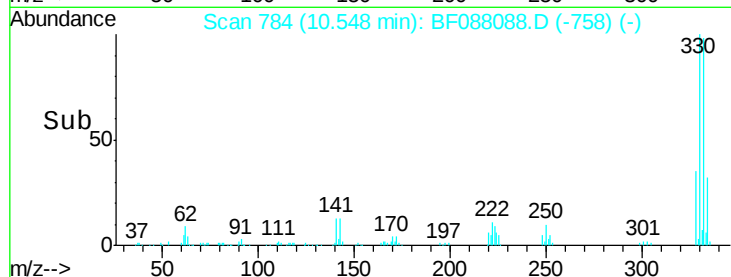
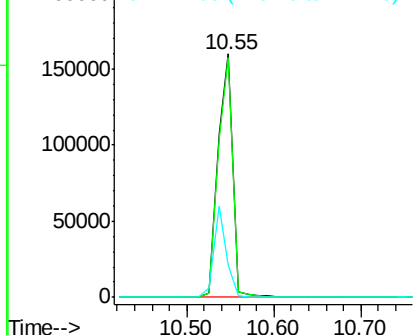
#41  
 2,4,6-Tribromophenol  
 Concen: 92.11 ng  
 RT: 10.55 min Scan# 784  
 Delta R.T. 0.00 min  
 Lab File: BF088088.D  
 Acq: 16 Jun 2016 21:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMP

Tgt Ion:330 Resp: 191656  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 0.0 0.0#  
 141 32.2 0.0 0.0#

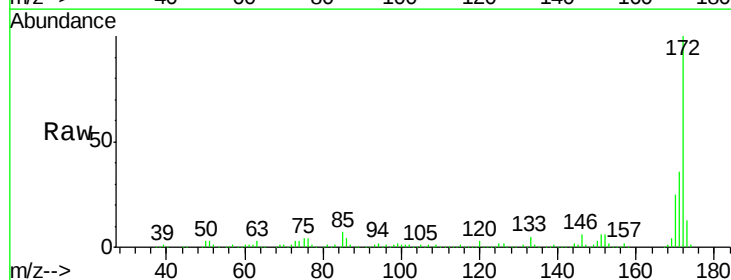


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

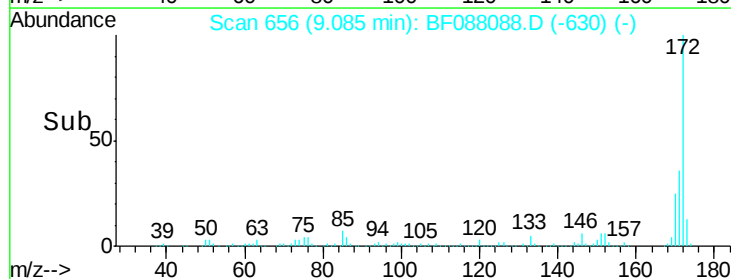
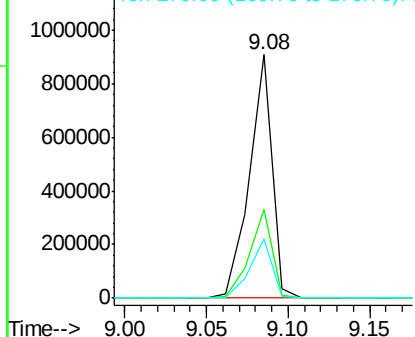


#44  
 2-Fluorobiphenyl  
 Concen: 68.77 ng  
 RT: 9.08 min Scan# 656  
 Delta R.T. 0.00 min  
 Lab File: BF088088.D  
 Acq: 16 Jun 2016 21:16

Tgt Ion:172 Resp: 875845  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.6 43.0  
 170 24.5 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.08 min Scan# 656

Delta R.T. -0.10 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

Instrument :

BNA\_F

ClientSampleId :

SB-02-COMP

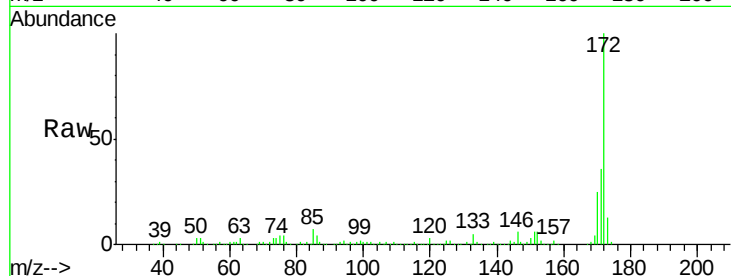
Tgt Ion:154 Resp: 1824

Ion Ratio Lower Upper

154 100

153 917.7 20.6 60.6#

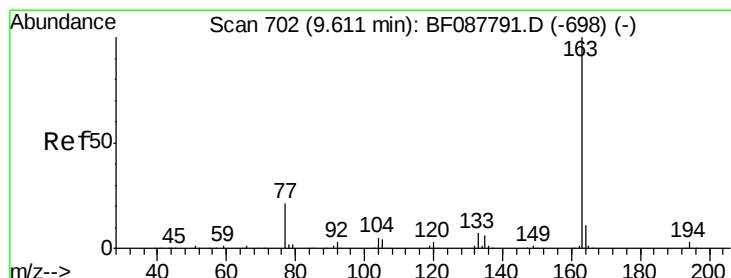
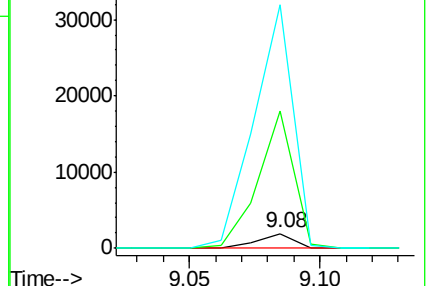
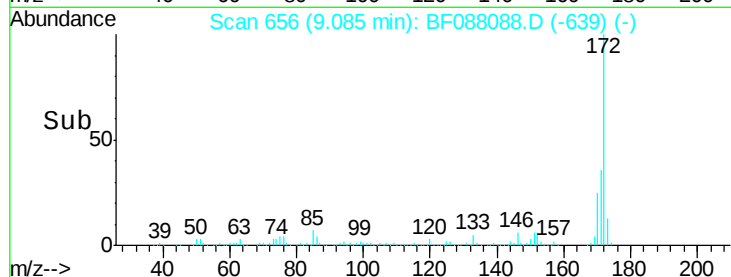
76 1630.6 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 17.21 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

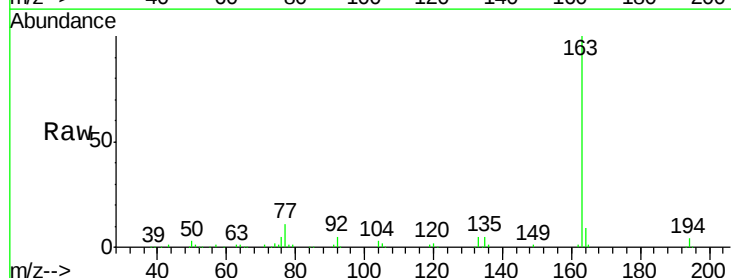
Tgt Ion:163 Resp: 245647

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

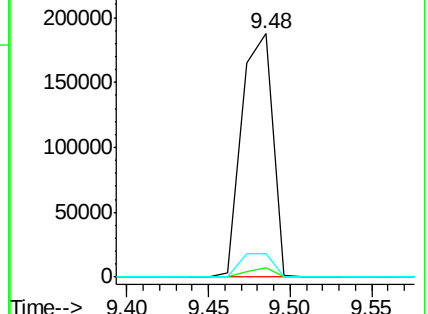
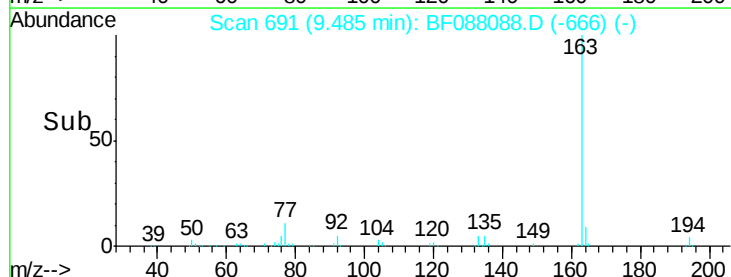
164 9.5 8.3 12.5



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: 5.92 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.21 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

Instrument :

BNA\_F

ClientSampleId :

SB-02-COMP

Tgt Ion:165 Resp: 24876

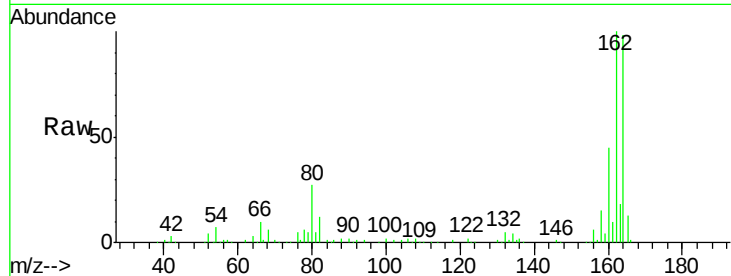
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

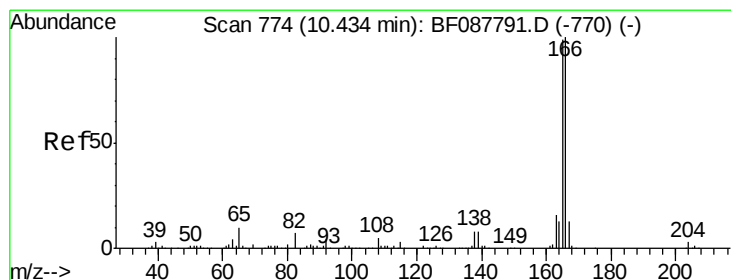
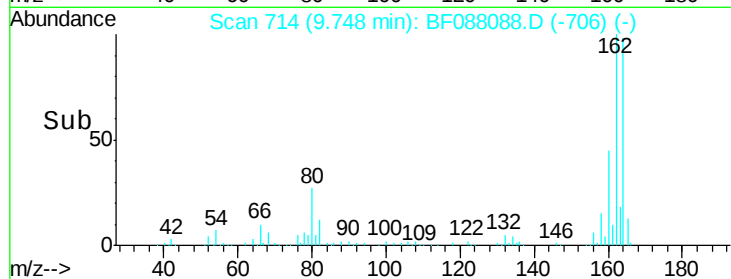
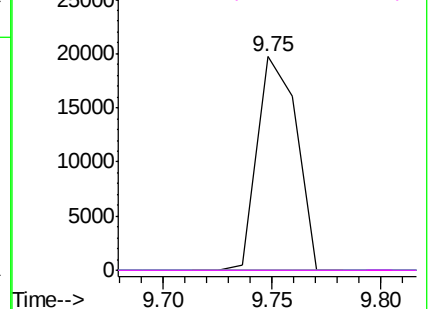


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.30 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF088088.D

Acq: 16 Jun 2016 21:16

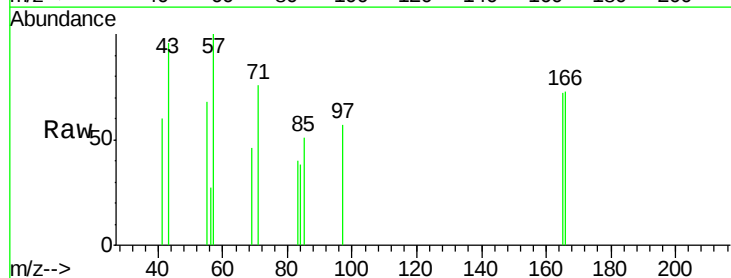
Tgt Ion:166 Resp: 562

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.8

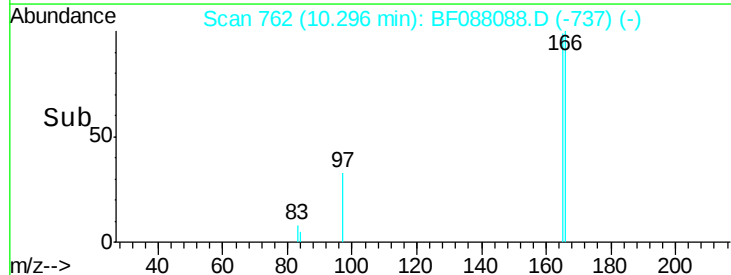
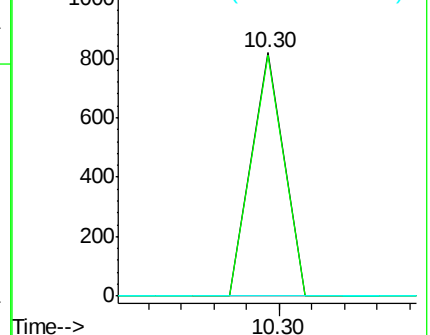
167 0.0 11.2 16.8#

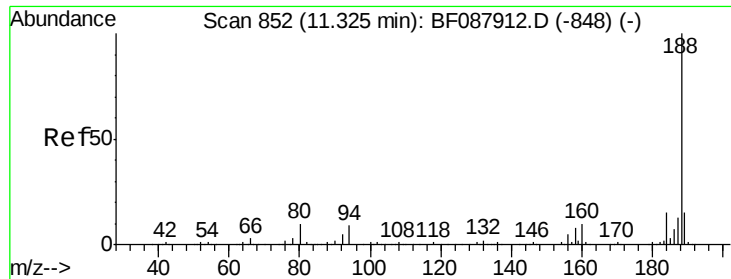


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

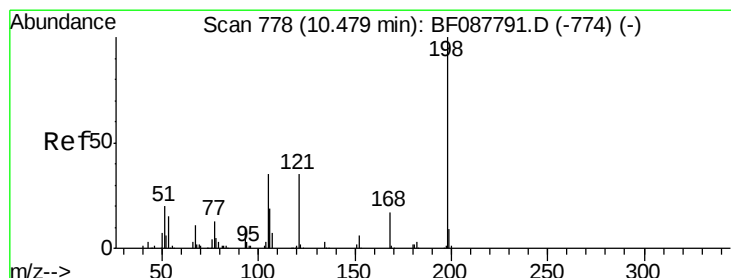
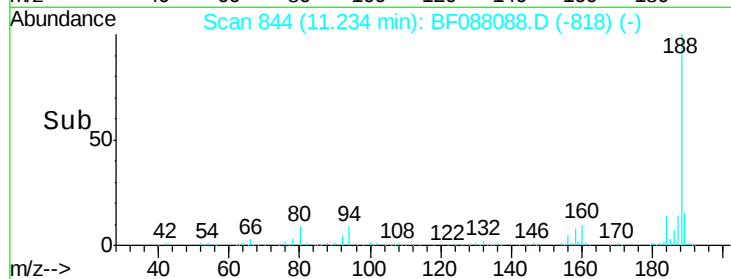
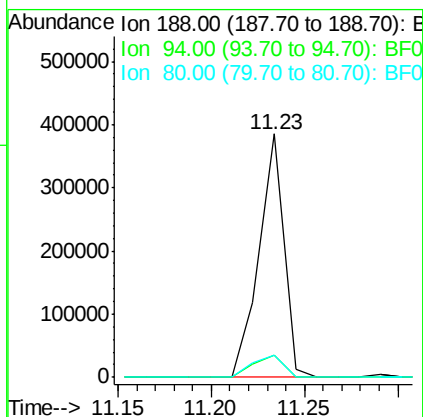
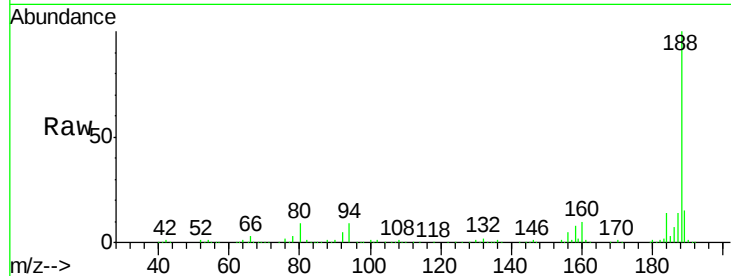




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.23 min Scan# 844  
 Delta R.T. 0.00 min  
 Lab File: BF088088.D  
 Acq: 16 Jun 2016 21:16

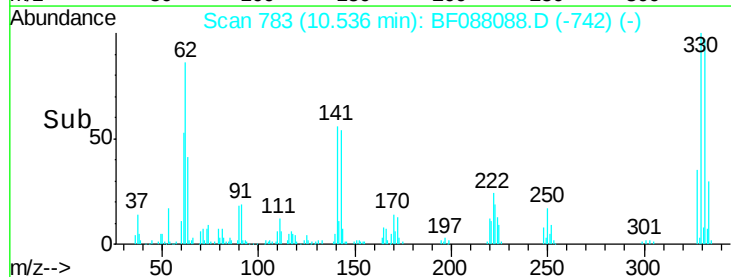
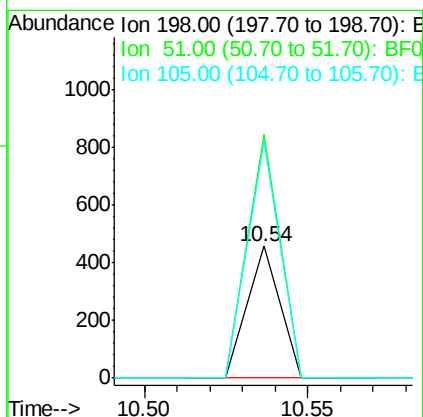
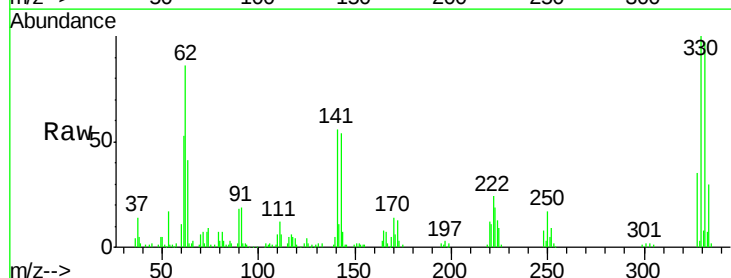
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMP

Tgt Ion:188 Resp: 354978  
 Ion Ratio Lower Upper  
 188 100  
 94 8.9 9.0 13.6#  
 80 8.9 10.0 15.0#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.30 ng  
 RT: 10.54 min Scan# 783  
 Delta R.T. 0.17 min  
 Lab File: BF088088.D  
 Acq: 16 Jun 2016 21:16

Tgt Ion:198 Resp: 314  
 Ion Ratio Lower Upper  
 198 100  
 51 184.7 39.6 79.6#  
 105 179.7 36.6 76.6#

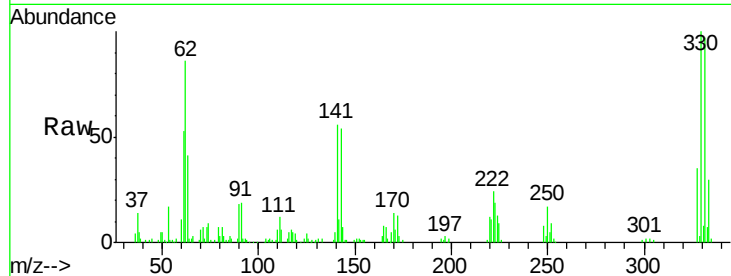




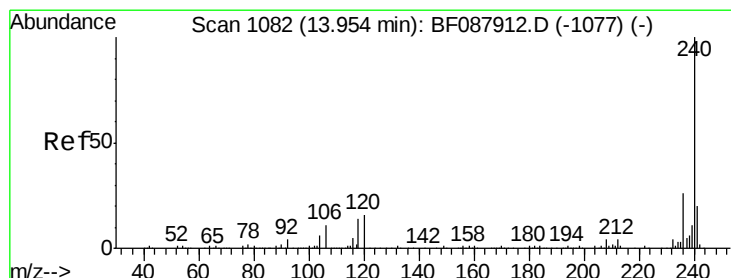
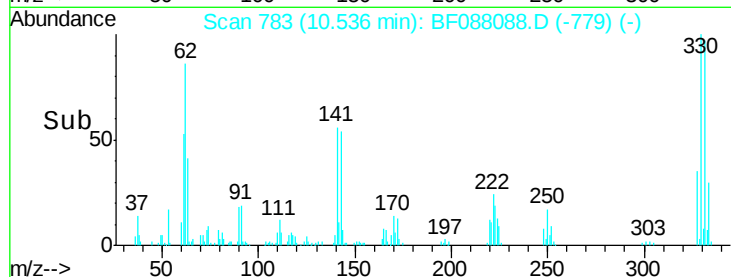
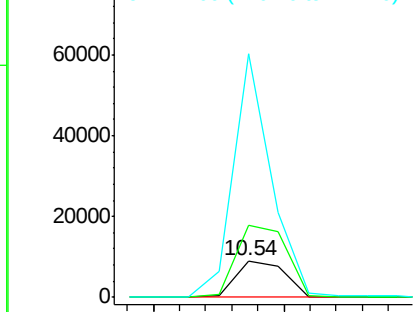
#66  
4-Bromophenyl-phenylether  
Concen: 3.07 ng  
RT: 10.54 min Scan# 783  
Delta R.T. -0.25 min  
Lab File: BF088088.D  
Acq: 16 Jun 2016 21:16

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMP

Tgt Ion:248 Resp: 11695  
Ion Ratio Lower Upper  
248 100  
250 197.5 77.1 115.7#  
141 669.5 50.6 76.0#

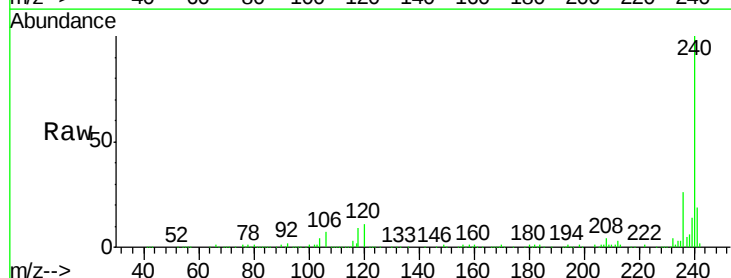


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

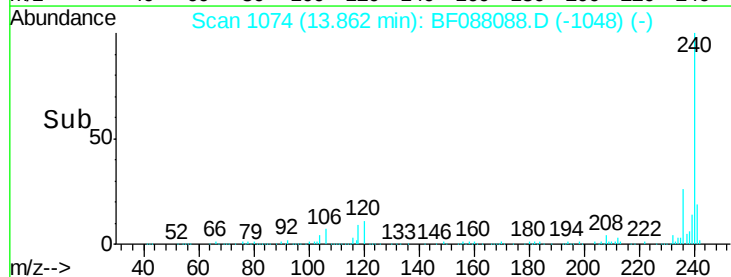
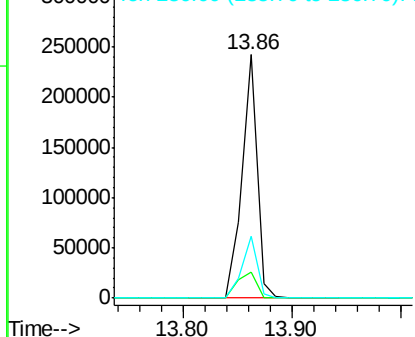


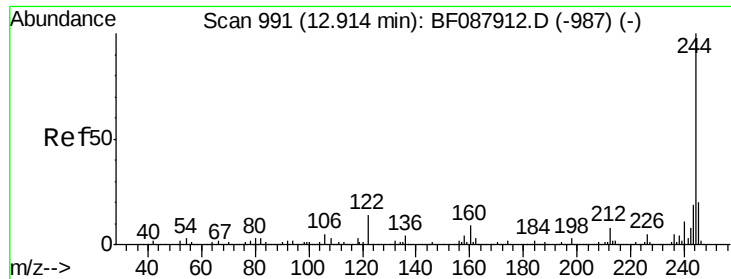
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.86 min Scan# 1074  
Delta R.T. 0.00 min  
Lab File: BF088088.D  
Acq: 16 Jun 2016 21:16

Tgt Ion:240 Resp: 231068  
Ion Ratio Lower Upper  
240 100  
120 10.5 6.8 10.2#  
236 25.6 20.2 30.2



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

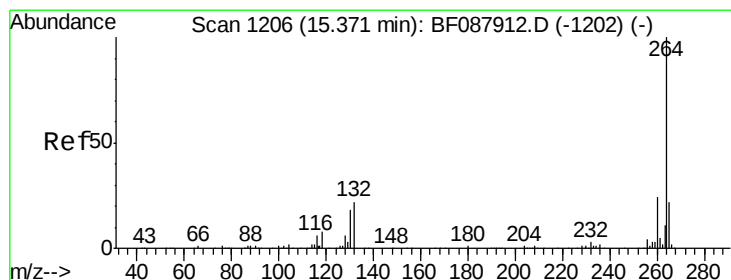
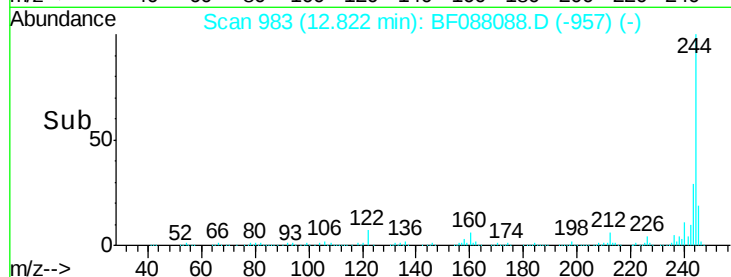
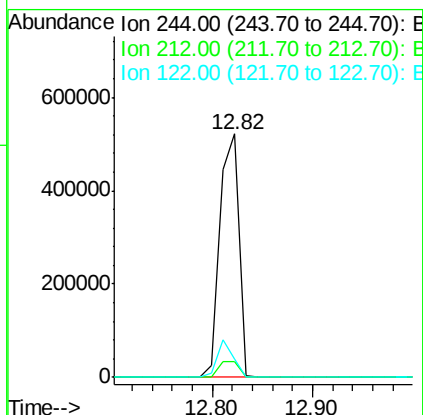
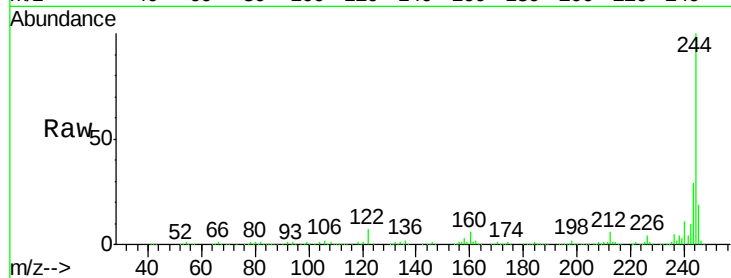




#78  
 Terphenyl-d14  
 Concen: 67.48 ng  
 RT: 12.82 min Scan# 983  
 Delta R.T. 0.00 min  
 Lab File: BF088088.D  
 Acq: 16 Jun 2016 21:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMP

Tgt Ion:244 Resp: 685246  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 6.0 9.0  
 122 7.4 11.2 16.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.25 min Scan# 1195  
 Delta R.T. 0.00 min  
 Lab File: BF088088.D  
 Acq: 16 Jun 2016 21:16

Tgt Ion:264 Resp: 216526  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.2 28.8  
 265 21.8 16.9 25.3

