

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071916\  
 Data File : BF089118.D  
 Acq On : 19 Jul 2016 15:12  
 Operator : UM/SJ  
 Sample : H4071-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PO-001

Quant Time: Jul 20 03:14:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 19 15:28:17 2016  
 Response via : Initial Calibration

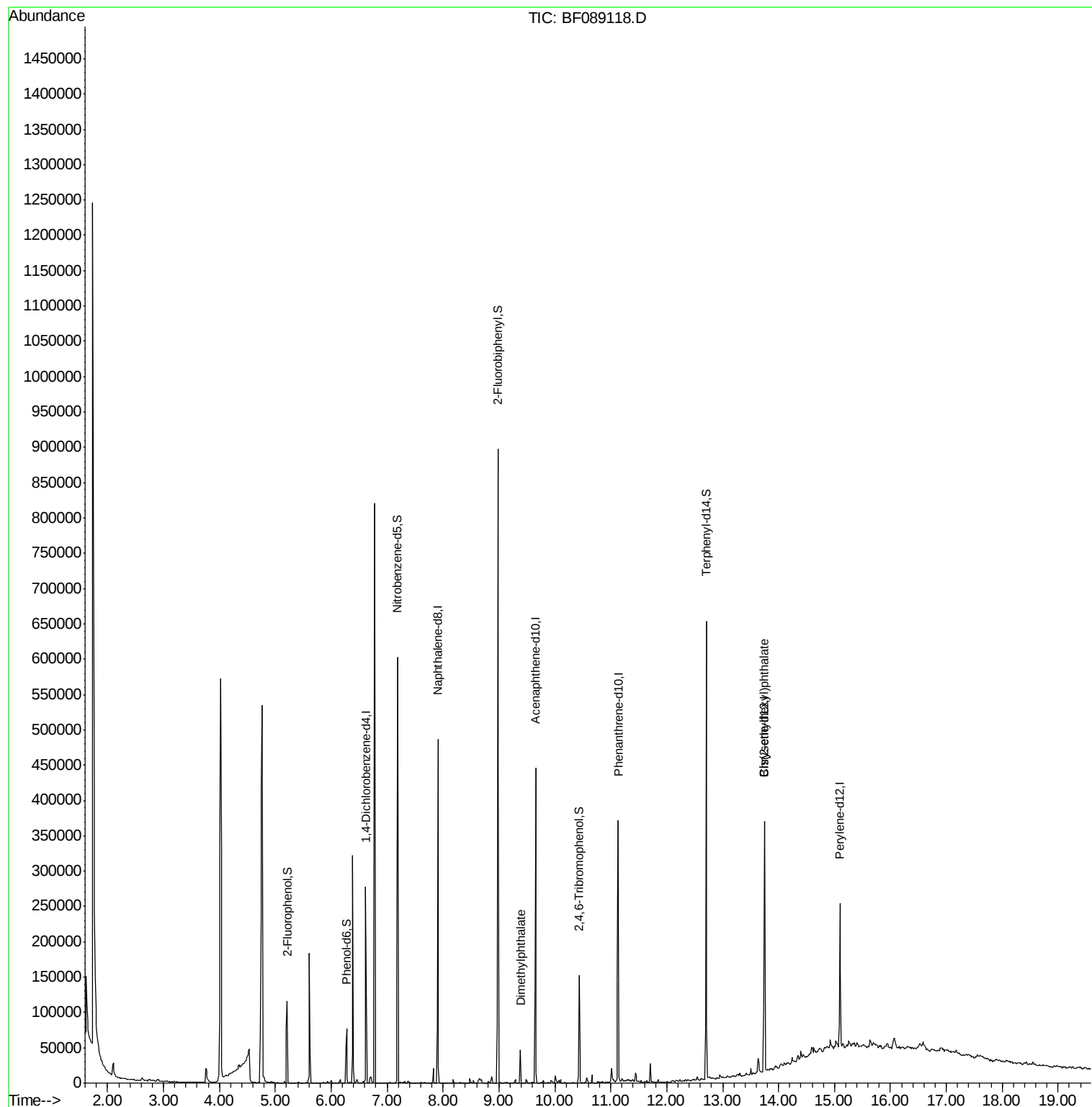
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.62  | 152  | 46027    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.91  | 136  | 200266   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.66  | 164  | 87078    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.13 | 188  | 143132   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.75 | 240  | 93958    | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 15.10 | 264  | 84769    | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.21  | 112  | 40667    | 13.24 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.27  | 99   | 33438    | 8.43  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.19  | 82   | 190903   | 49.95 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.43 | 330  | 13559    | 16.77 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 335029   | 60.77 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.71 | 244  | 170190   | 40.34 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 49) Dimethylphthalate          | 9.38  | 163  | 18302    | 2.95  | ng    | # 99     |
| 83) Bis(2-ethylhexyl)phthalate | 13.75 | 149  | 22232    | 5.48  | ng    | # 95     |

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

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
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QLast Update : Tue Jul 19 15:28:17 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

Instrument :

BNA\_F

ClientSampled :

PO-001

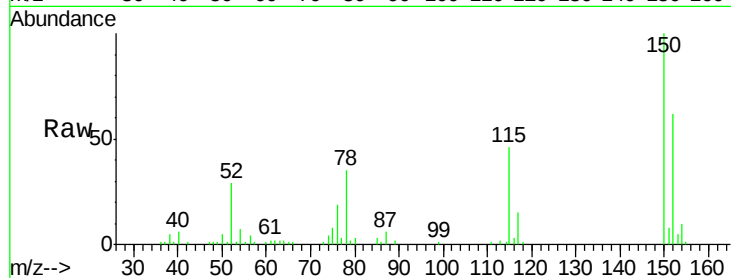
Tgt Ion:152 Resp: 46027

Ion Ratio Lower Upper

152 100

150 160.9 123.8 185.6

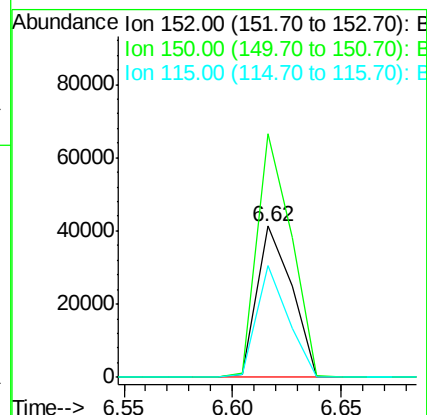
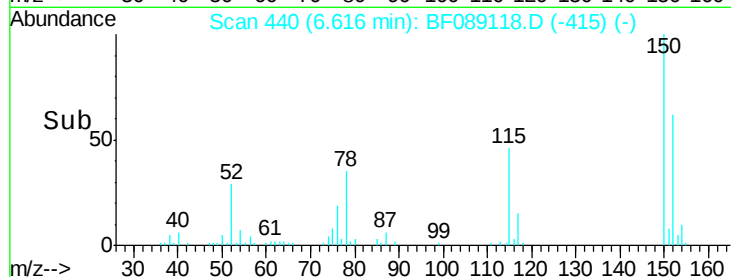
115 73.8 39.6 59.4#



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: 13.24 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

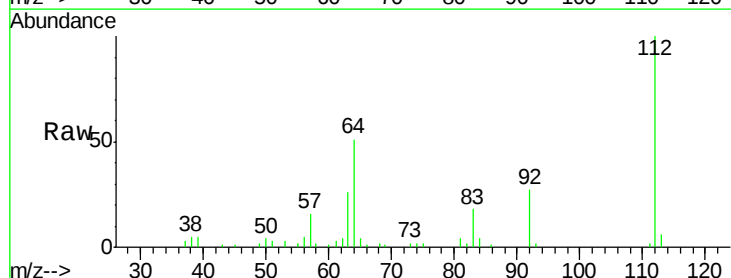
Tgt Ion:112 Resp: 40667

Ion Ratio Lower Upper

112 100

64 51.3 42.2 63.2

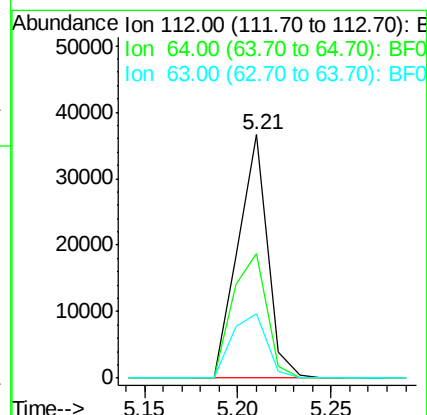
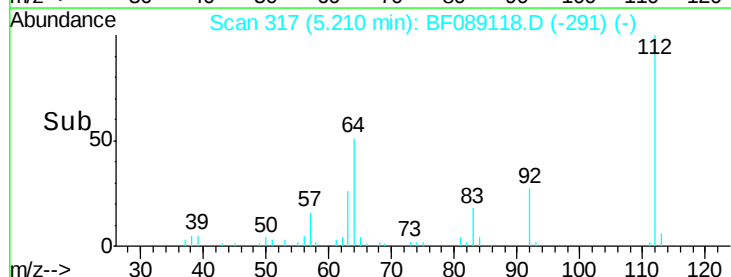
63 26.3 21.8 32.8

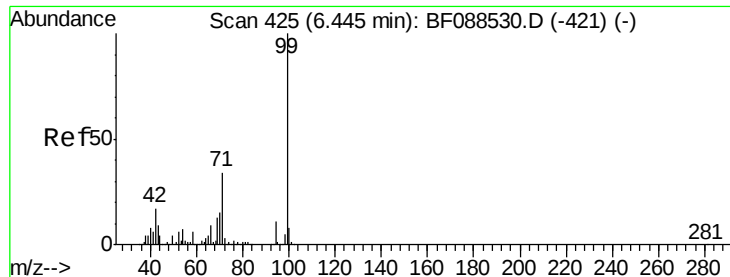


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.43 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

Instrument :

BNA\_F

ClientSampleId :

PO-001

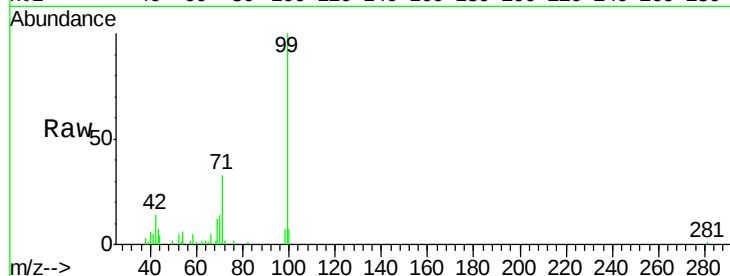
Tgt Ion: 99 Resp: 33438

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.2

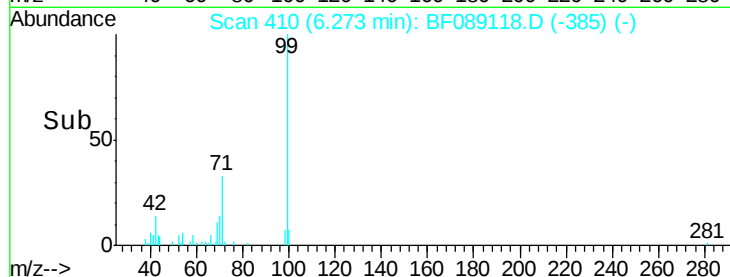
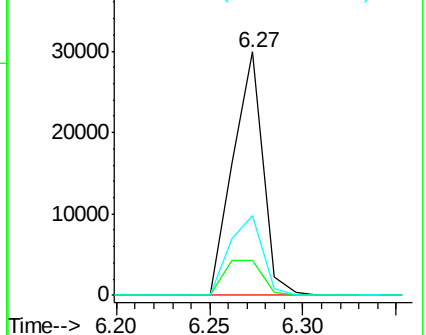
71 32.6 23.4 35.0



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: 7.91 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

Tgt Ion: 136 Resp: 200266

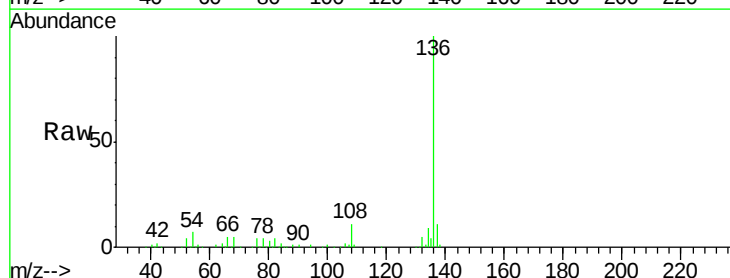
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.8 6.6 10.0

68 5.4 5.1 7.7

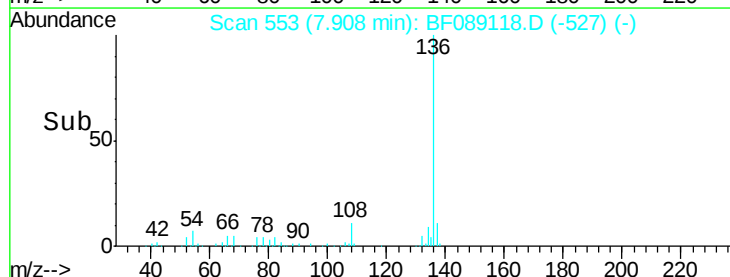
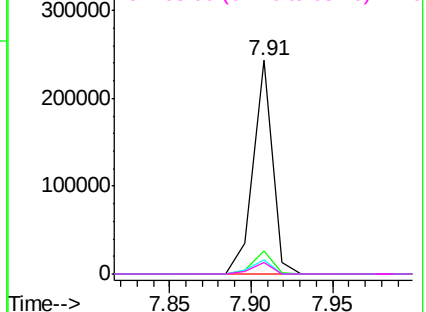


Abundance Ion 136.00 (135.70 to 136.70): E

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

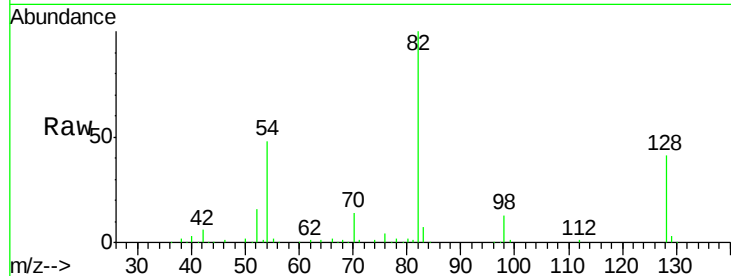




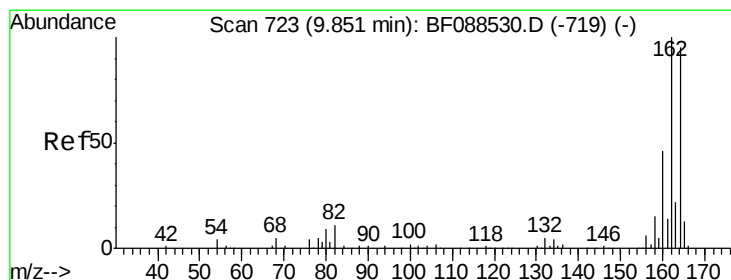
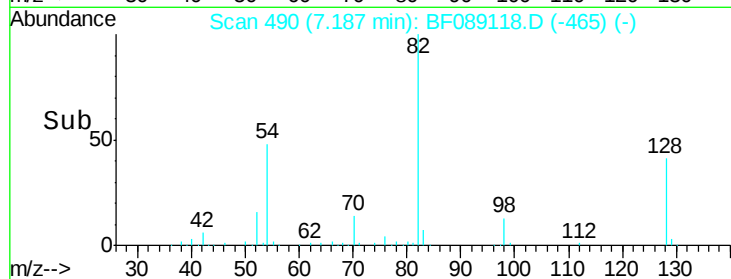
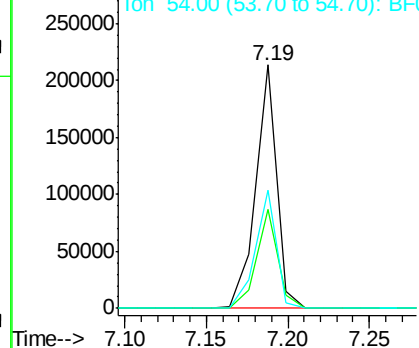
#23  
 Nitrobenzene-d5  
 Concen: 49.95 ng  
 RT: 7.19 min Scan# 490  
 Delta R.T. -0.01 min  
 Lab File: BF089118.D  
 Acq: 19 Jul 2016 15:12

Instrument :  
 BNA\_F  
 ClientSampled :  
 PO-001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.7  | 35.9  | 53.9  |
| 54      | 48.3  | 40.9  | 61.3  |

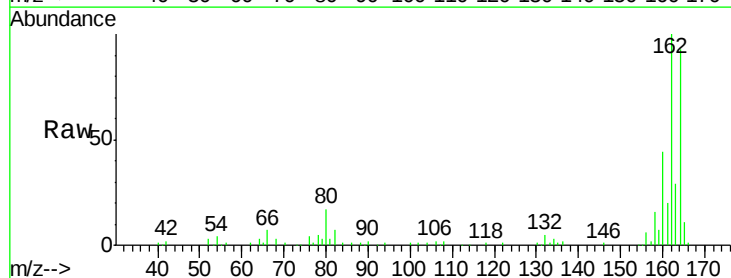


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

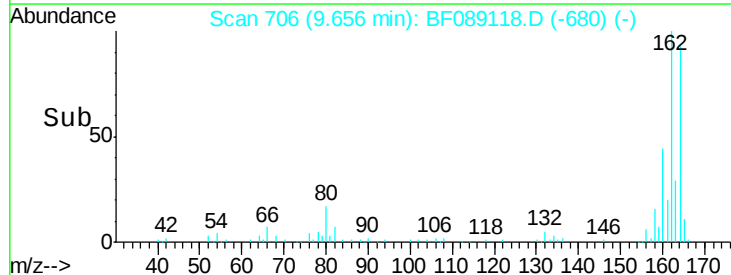
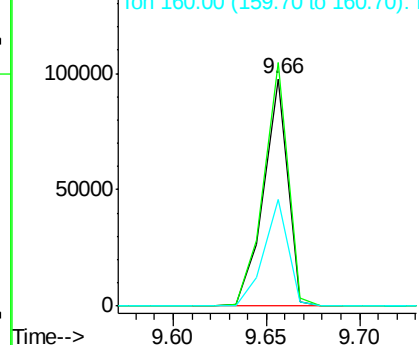


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.66 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BF089118.D  
 Acq: 19 Jul 2016 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.2 | 85.4  | 128.2 |
| 160     | 47.2  | 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

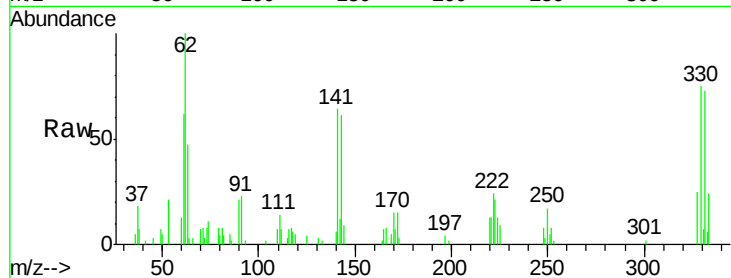




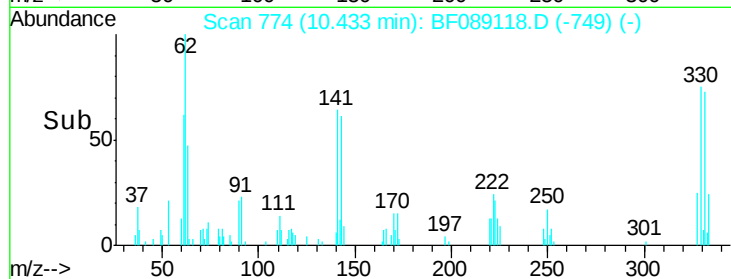
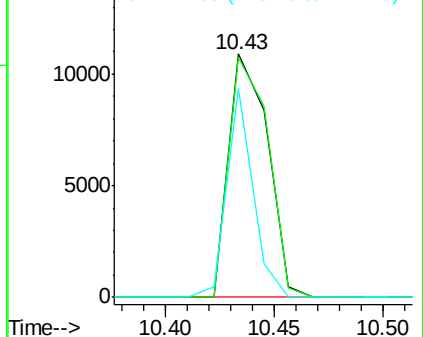
#41  
 2,4,6-Tribromophenol  
 Concen: 16.77 ng  
 RT: 10.43 min Scan# 774  
 Delta R.T. -0.01 min  
 Lab File: BF089118.D  
 Acq: 19 Jul 2016 15:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PO-001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 13559 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 99.5  | 0.0   | 0.0#  |
| 141      | 57.7  | 0.0   | 0.0#  |

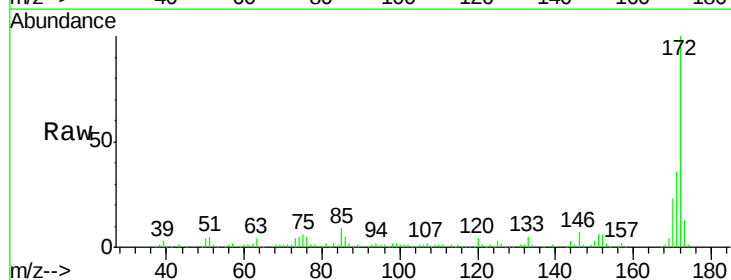


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

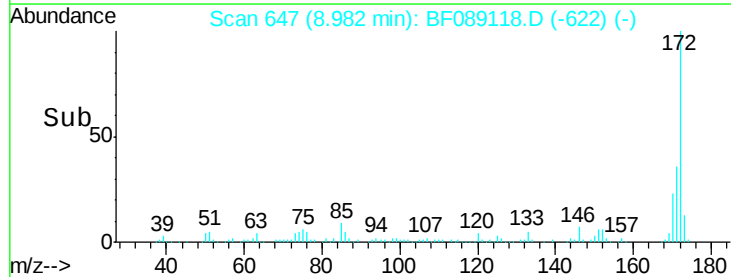
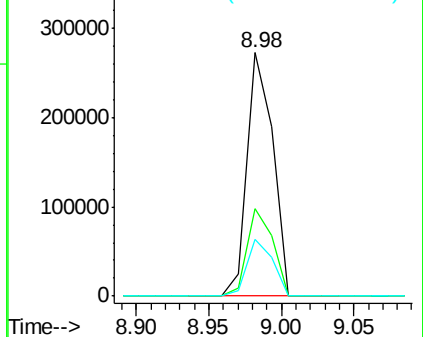


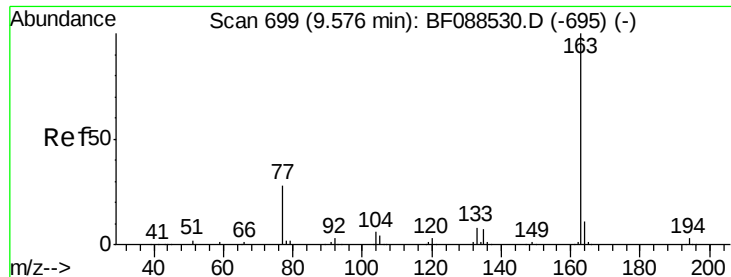
#44  
 2-Fluorobiphenyl  
 Concen: 60.77 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.01 min  
 Lab File: BF089118.D  
 Acq: 19 Jul 2016 15:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 335029 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 36.1  | 28.6  | 43.0   |
| 170      | 23.5  | 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





#49

Dimethylphthalate

Concen: 2.95 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

Instrument :

BNA\_F

ClientSampleId :

PO-001

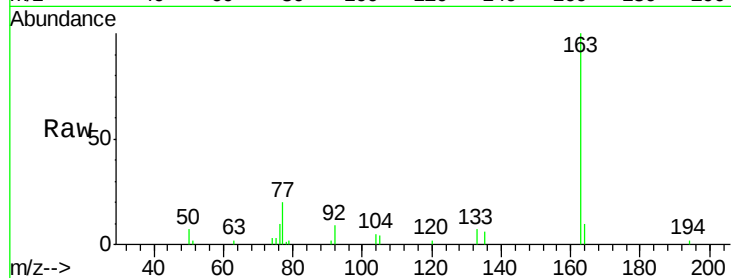
Tgt Ion:163 Resp: 18302

Ion Ratio Lower Upper

163 100

194 2.1 2.8 4.2#

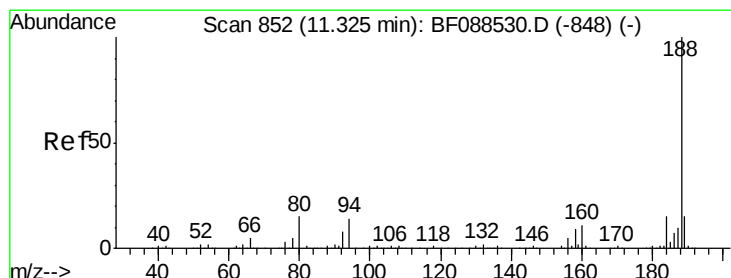
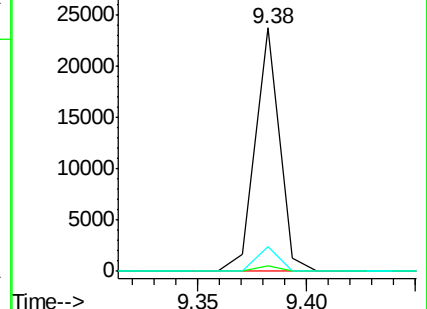
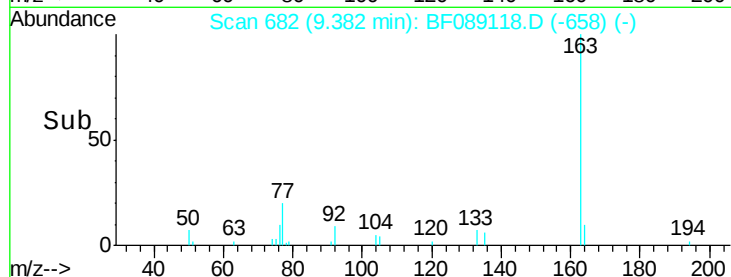
164 10.3 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

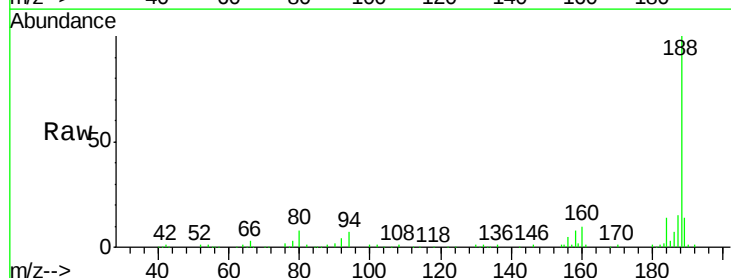
Tgt Ion:188 Resp: 143132

Ion Ratio Lower Upper

188 100

94 7.2 9.0 13.6#

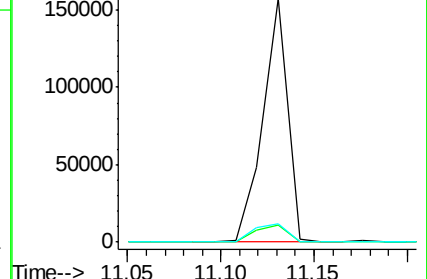
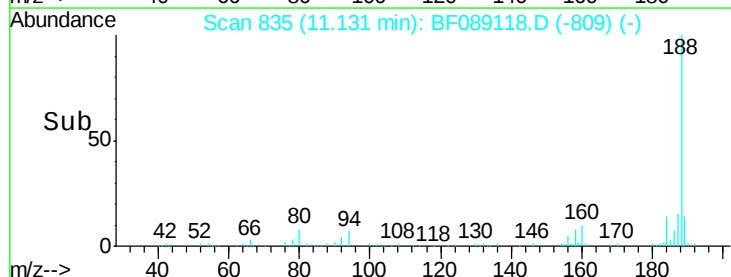
80 7.8 10.0 15.0#



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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

Instrument :

BNA\_F

ClientSampleId :

PO-001

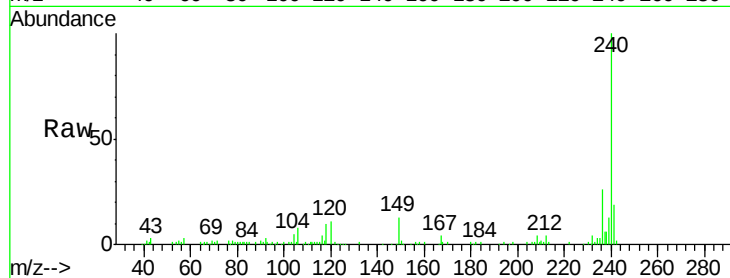
Tgt Ion:240 Resp: 93958

Ion Ratio Lower Upper

240 100

120 11.1 6.8 10.2#

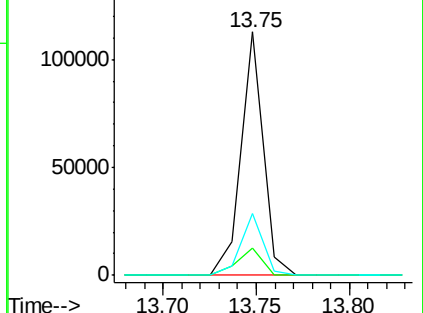
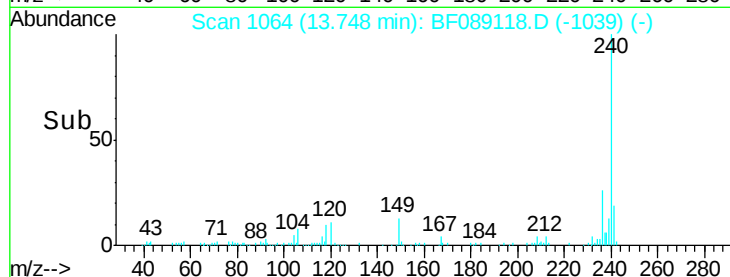
236 25.6 20.2 30.2



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: 40.34 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF089118.D

Acq: 19 Jul 2016 15:12

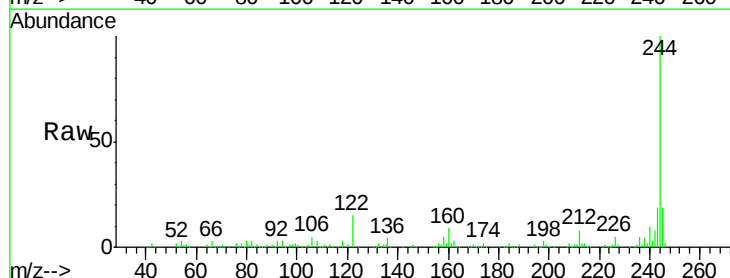
Tgt Ion:244 Resp: 170190

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

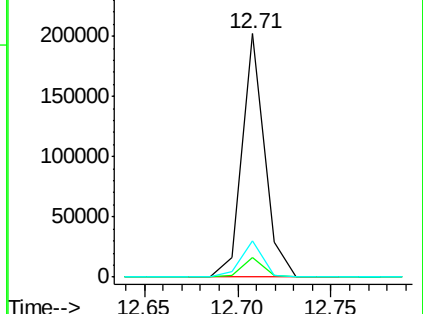
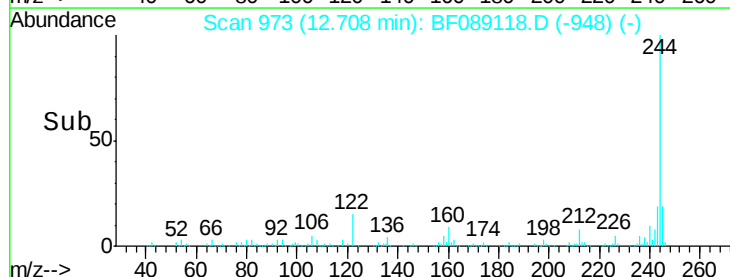
122 14.7 11.2 16.8

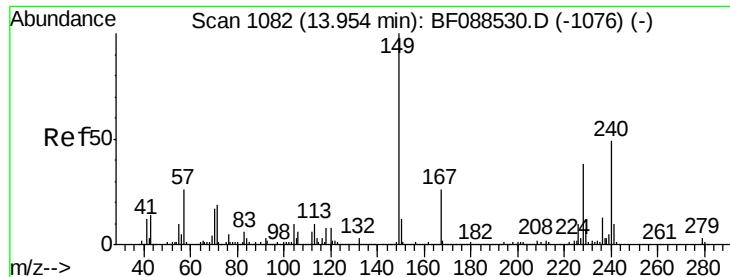


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

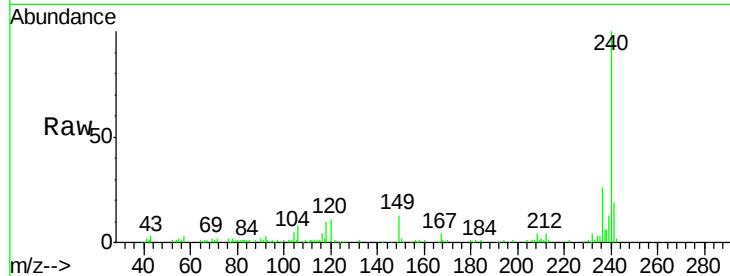




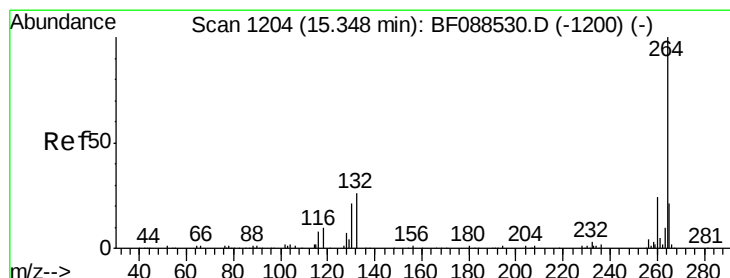
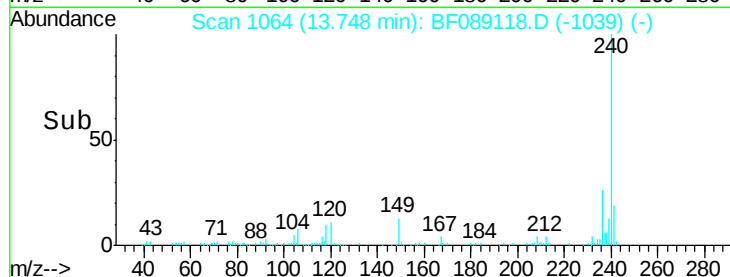
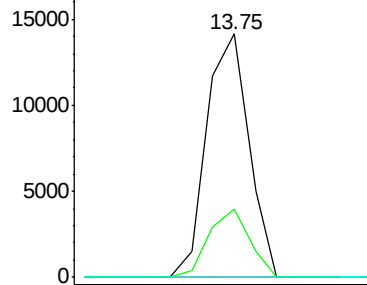
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.48 ng  
 RT: 13.75 min Scan# 1064  
 Delta R.T. -0.01 min  
 Lab File: BF089118.D  
 Acq: 19 Jul 2016 15:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PO-001

Tgt Ion:149 Resp: 22232  
 Ion Ratio Lower Upper  
 149 100  
 167 28.1 20.5 30.7  
 279 0.0 2.0 3.0#

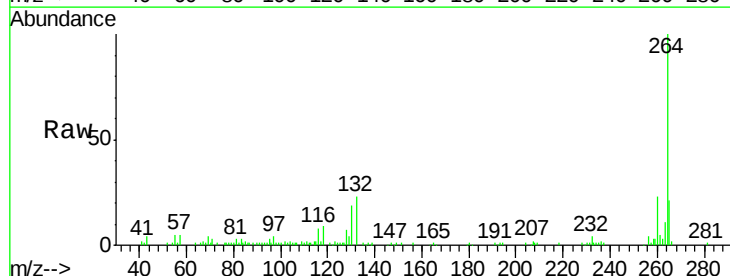


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.10 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BF089118.D  
 Acq: 19 Jul 2016 15:12

Tgt Ion:264 Resp: 84769  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 21.5 16.9 25.3



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

