

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
 Data File : BF086422.D  
 Acq On : 27 Apr 2016 14:16  
 Operator : UM/SJ  
 Sample : H2715-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-FIELDBLANK-042216

Quant Time: Apr 28 12:55:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

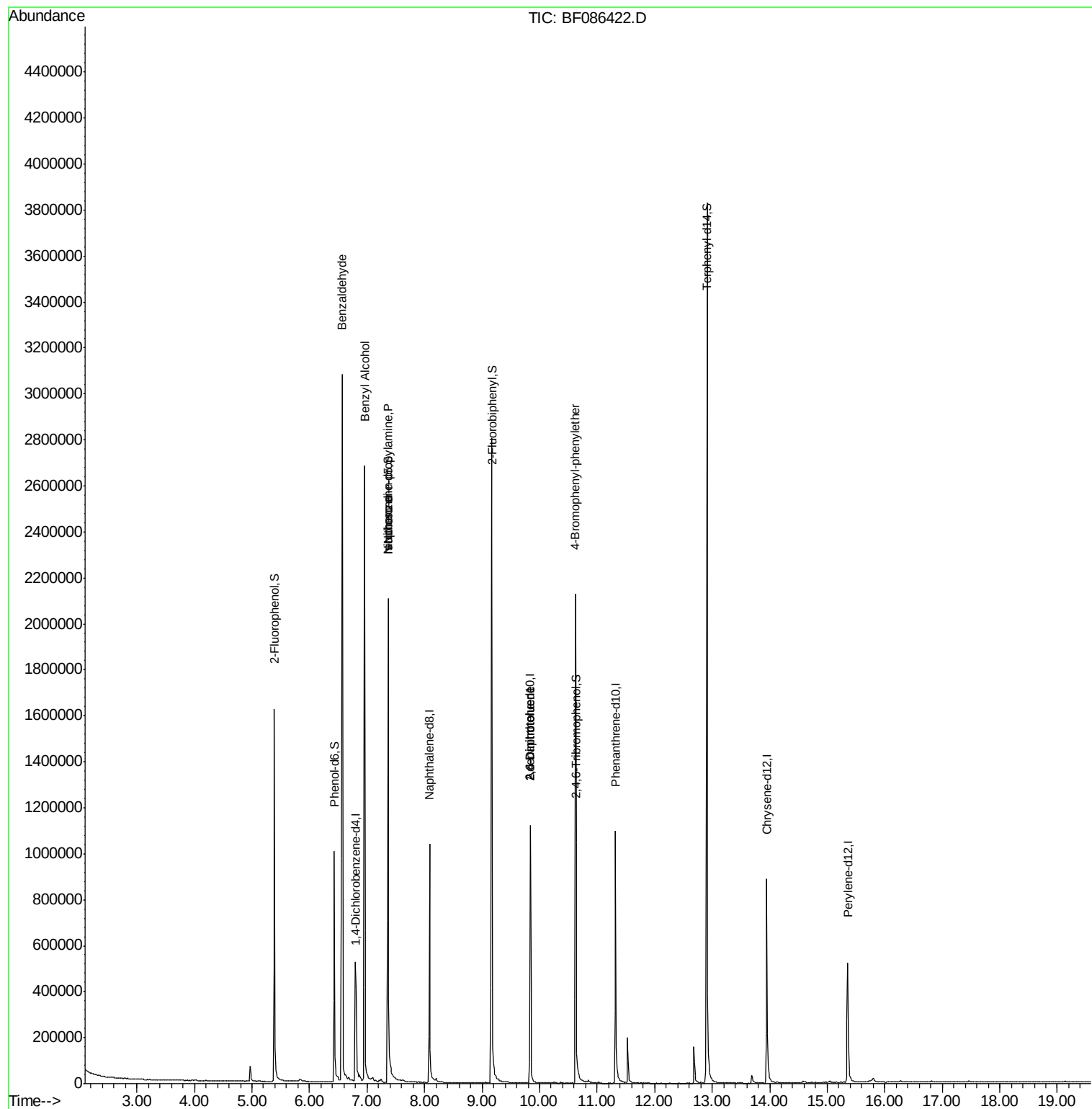
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 114046   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 524305   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.84  | 164  | 244354   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.32 | 188  | 498275   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.95 | 240  | 394154   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.36 | 264  | 290660   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 443047   | 67.01  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.43  | 99   | 400389   | 43.39  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 820636   | 84.37  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 349485   | 135.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 1447430  | 110.07 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.91 | 244  | 1394120  | 77.92  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.57  | 77   | 19843    | 3.70   | ng    | # 77     |
| 15) Benzyl Alcohol             | 6.96  | 79   | 14036    | 2.40   | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 108554   | 17.80  | ng    | # 77     |
| 25) Isophorone                 | 7.37  | 82   | 619167   | 33.07  | ng    | # 68     |
| 50) 2,6-Dinitrotoluene         | 9.84  | 165  | 30343    | 7.98   | ng    | # 21     |
| 56) 2,4-Dinitrotoluene         | 9.84  | 165  | 30557    | 6.31   | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 19033    | 3.71   | ng    | # 1      |

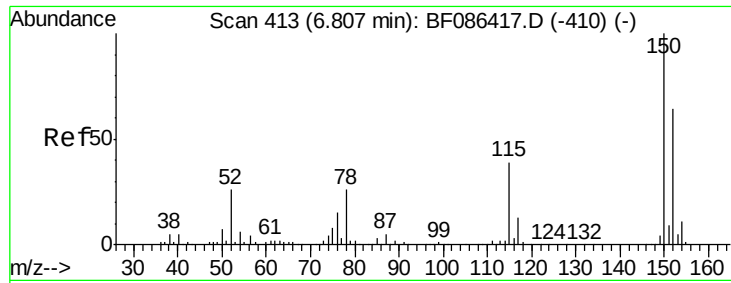
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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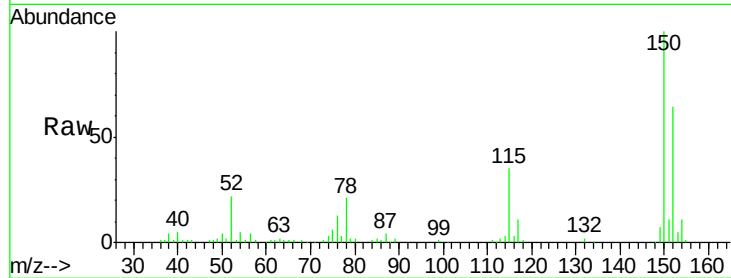


#1

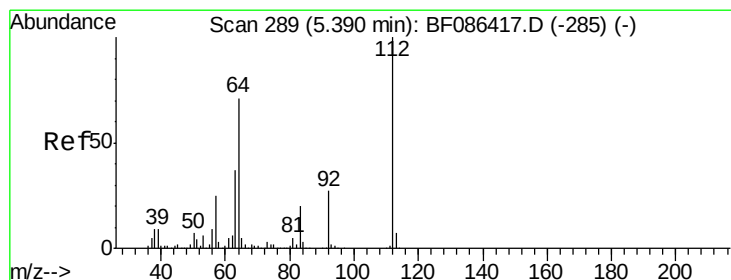
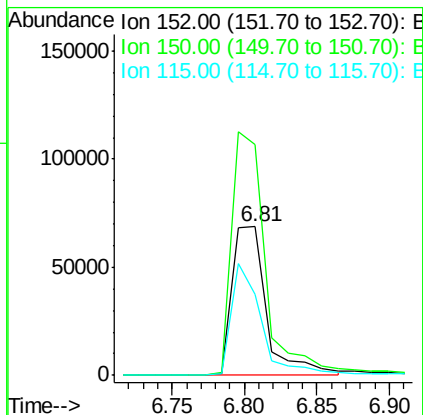
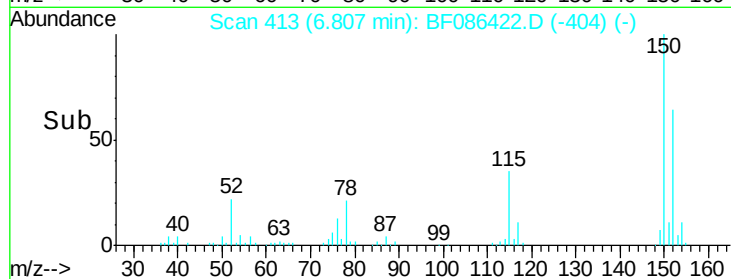
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 413  
Delta R.T. 0.00 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-FIELDBLANK-042216

Tot Ion:152 Resp: 114046  
Ion Ratio Lower Upper  
152 100  
150 155.3 125.8 188.6  
115 54.4 51.5 77.3



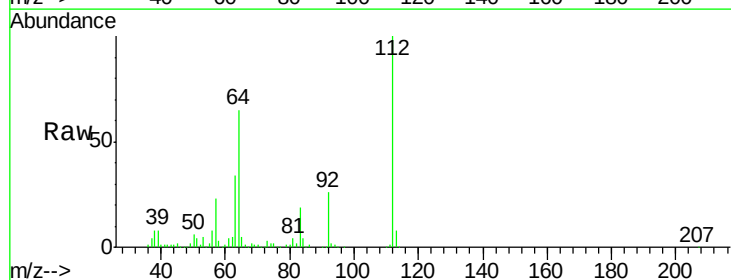
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



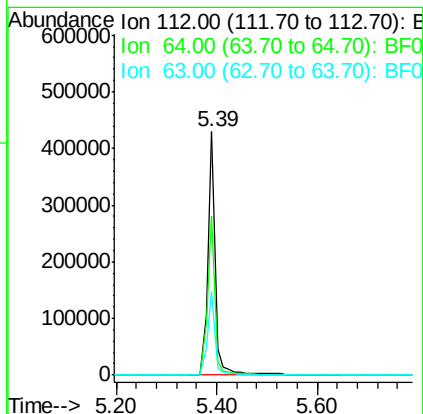
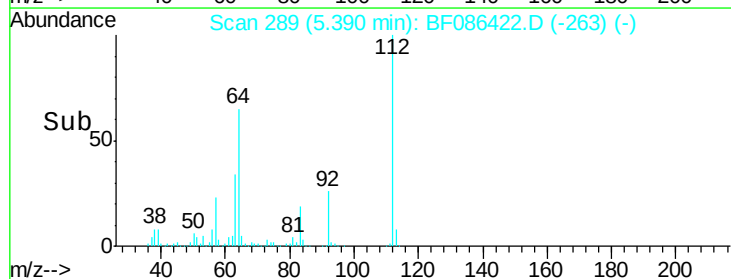
#5

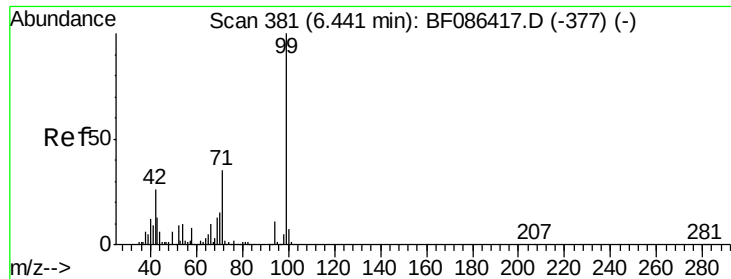
2-Fluorophenol  
Concen: 67.01 ng  
RT: 5.39 min Scan# 289  
Delta R.T. 0.00 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

Tgt Ion:112 Resp: 443047  
Ion Ratio Lower Upper  
112 100  
64 65.5 52.1 78.1  
63 34.3 25.7 38.5



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: 43.39 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086422.D

Acq: 27 Apr 2016 14:16

Instrument :

BNA\_F

ClientSampleId :

26WARD-FIELDBLANK-042216

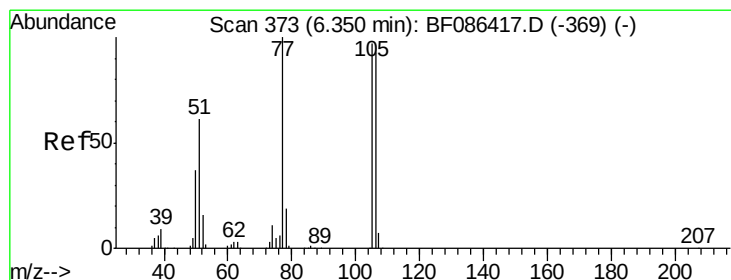
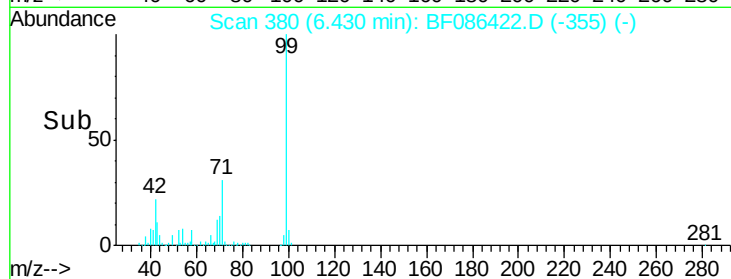
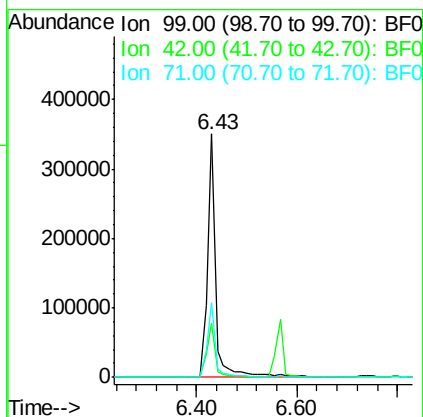
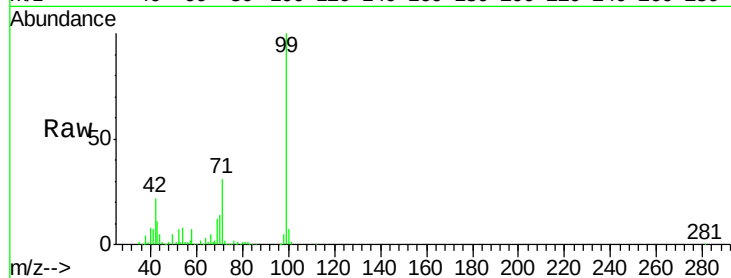
Tot Ion: 99 Resp: 400389

Ion Ratio Lower Upper

99 100

42 22.3 13.6 20.4#

71 30.9 24.6 36.8



#9

Benzaldehyde

Concen: 3.70 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.22 min

Lab File: BF086422.D

Acq: 27 Apr 2016 14:16

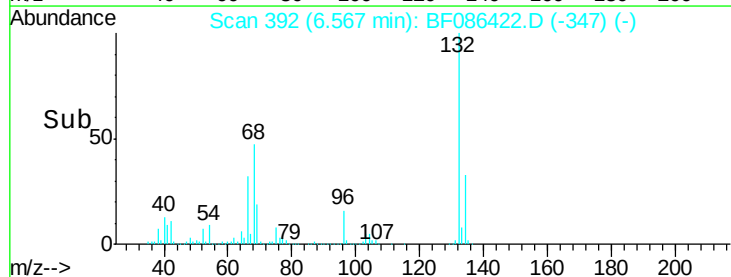
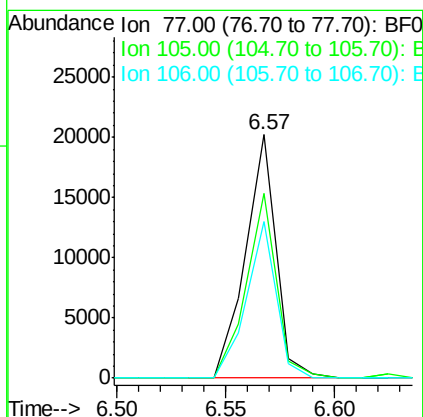
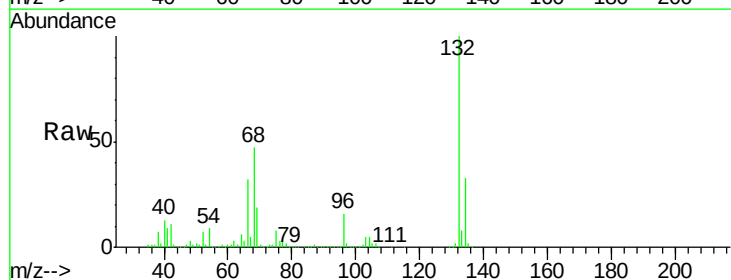
Tgt Ion: 77 Resp: 19843

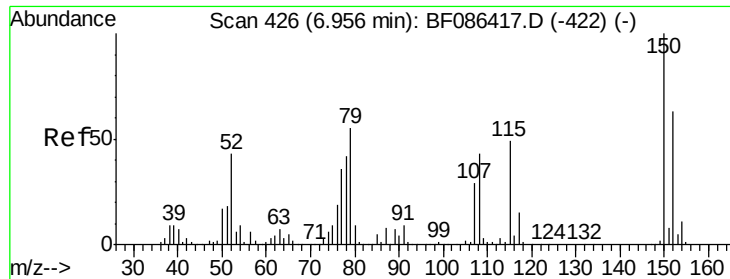
Ion Ratio Lower Upper

77 100

105 75.9 72.7 112.7

106 64.3 70.8 110.8#

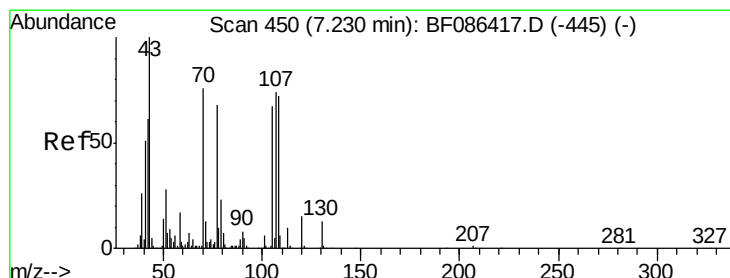
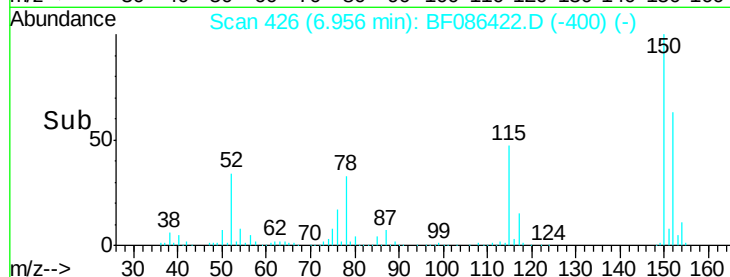
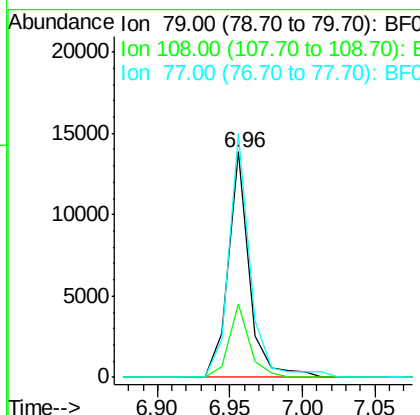
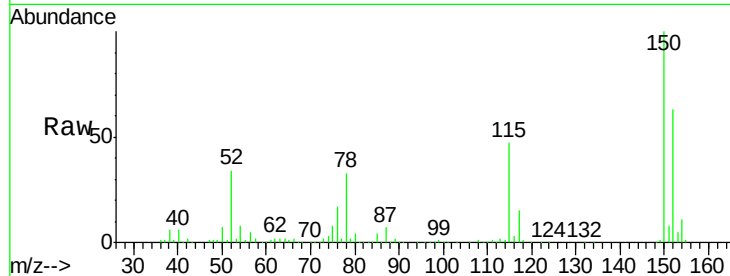




#15  
Benzyl Alcohol  
Concen: 2.40 ng  
RT: 6.96 min Scan# 426  
Delta R.T. 0.00 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

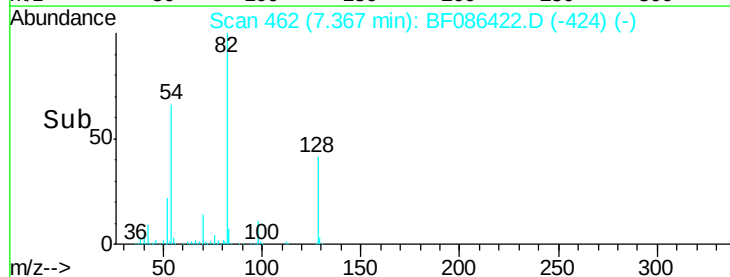
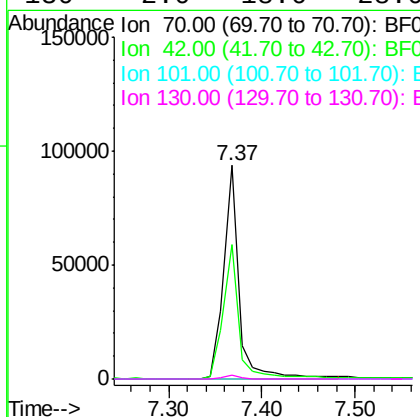
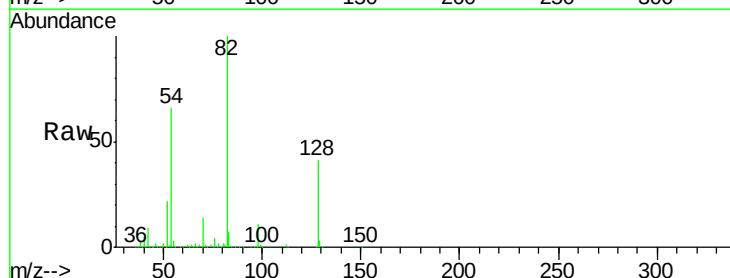
Instrument :  
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ClientSampleId :  
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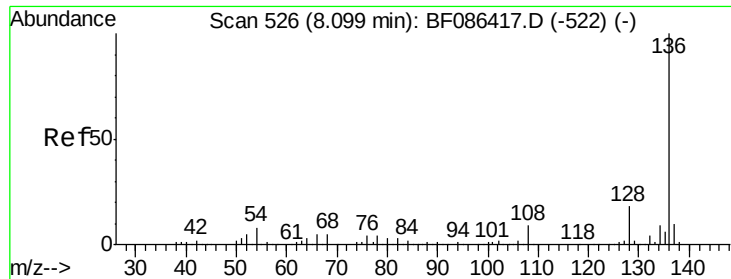
Tot Ion: 79 Resp: 14036  
Ion Ratio Lower Upper  
79 100  
108 32.8 68.4 102.6#  
77 108.1 50.6 76.0#



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.80 ng  
RT: 7.37 min Scan# 462  
Delta R.T. 0.14 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

Tgt Ion: 70 Resp: 108554  
Ion Ratio Lower Upper  
70 100  
42 63.2 43.1 64.7  
101 0.0 8.1 12.1#  
130 2.0 18.6 28.0#

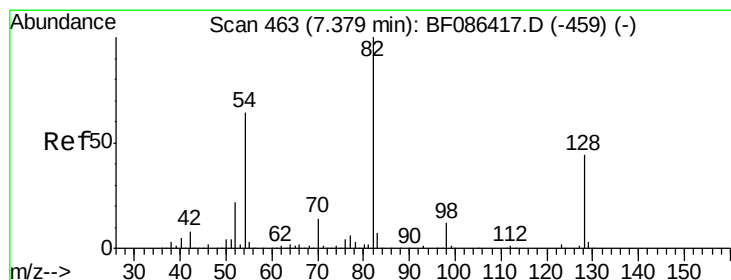
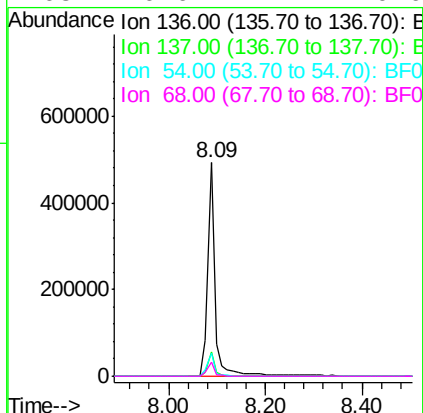
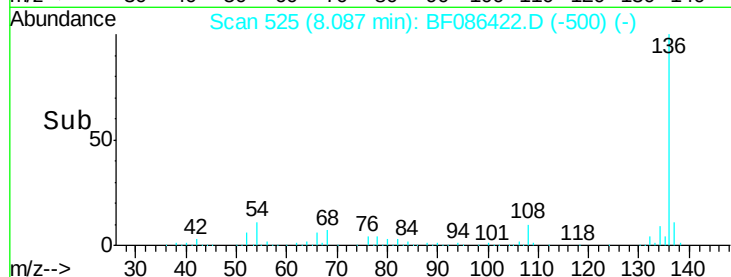
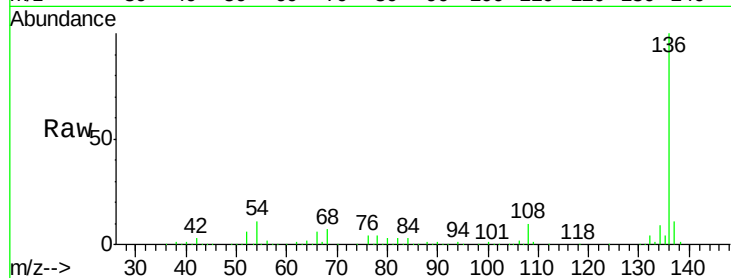




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.01 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

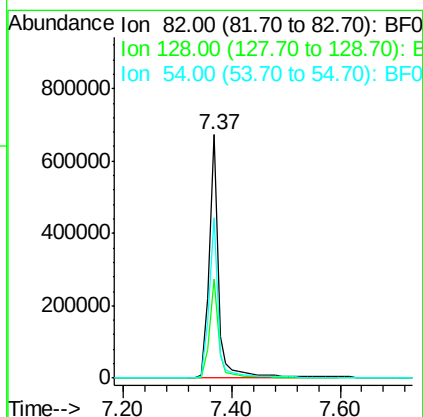
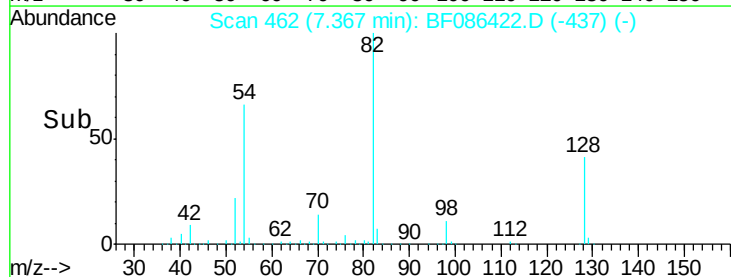
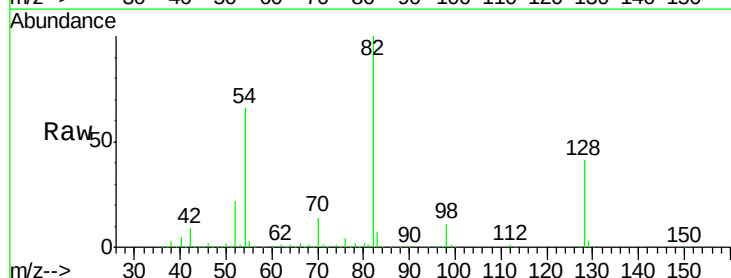
Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-FIELDBLANK-042216

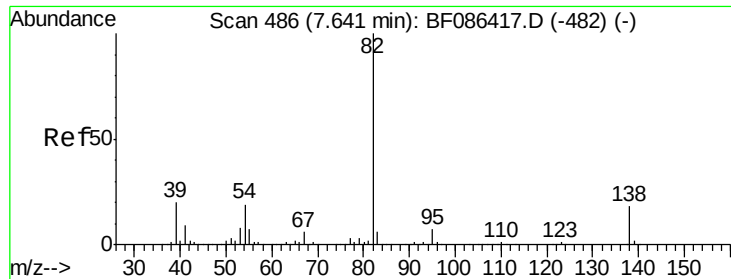
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 524305   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.8 13.2 |
| 54          | 10.8  | 5.0 7.4# |
| 68          | 6.6   | 4.4 6.6# |



#23  
Nitrobenzene-d5  
Concen: 84.37 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.01 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 820636     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 40.6  | 40.6 61.0# |
| 54          | 65.7  | 38.1 57.1# |

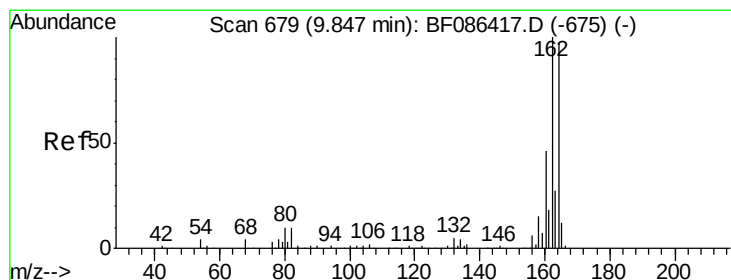
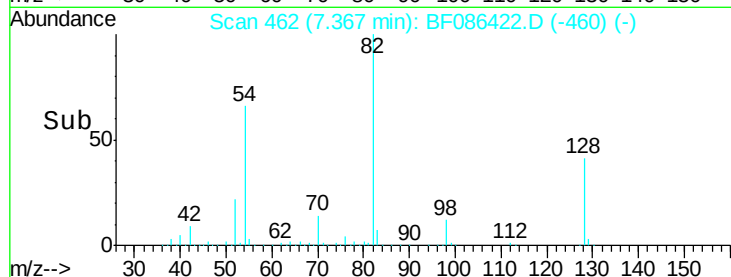
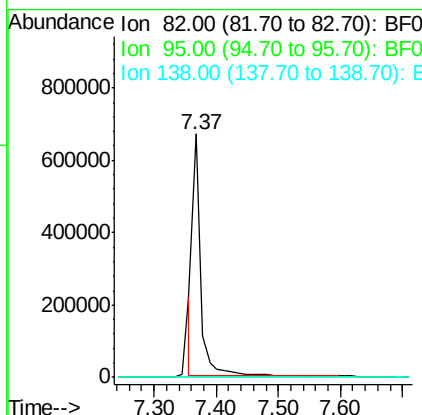
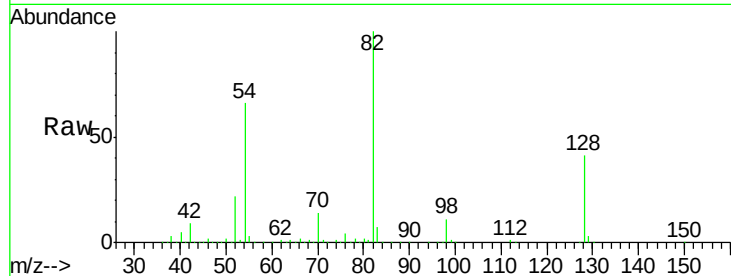




#25  
Isophorone  
Concen: 33.07 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.27 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

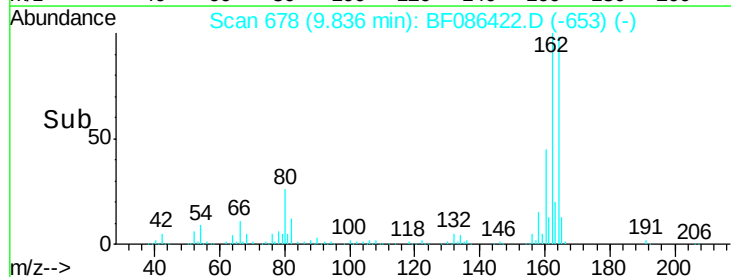
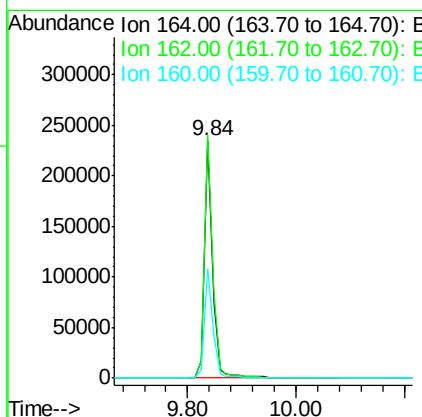
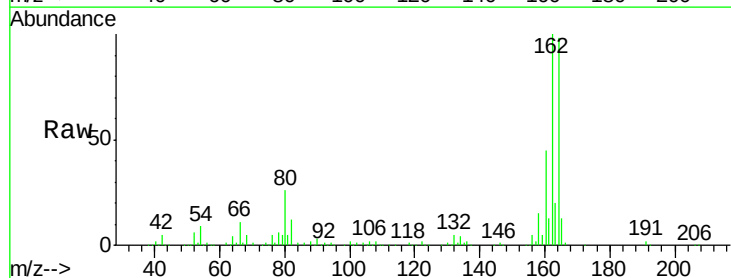
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26WARD-FIELDBLANK-042216

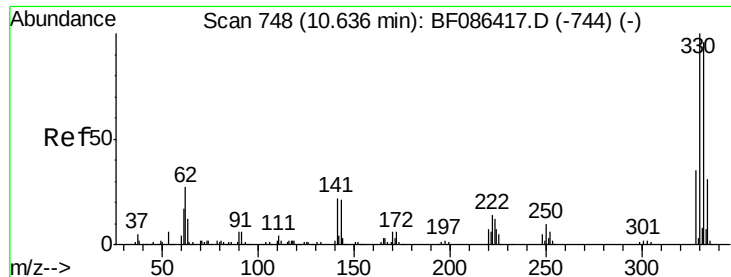
Tot Ion: 82 Resp: 619167  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.1 7.7#  
138 0.0 12.4 18.6#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.84 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

Tgt Ion:164 Resp: 244354  
Ion Ratio Lower Upper  
164 100  
162 102.4 82.8 124.2  
160 46.0 36.9 55.3

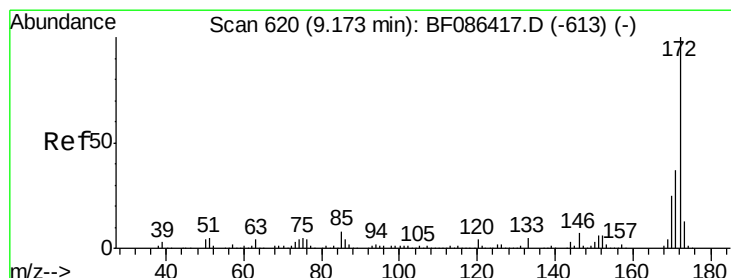
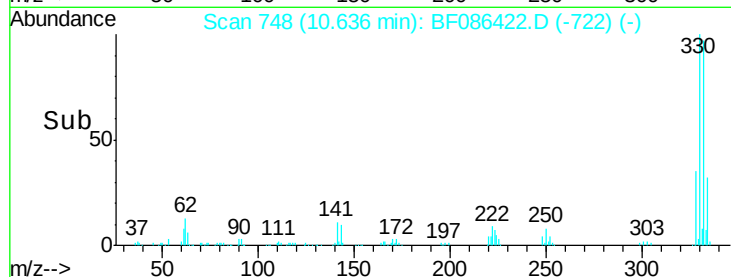
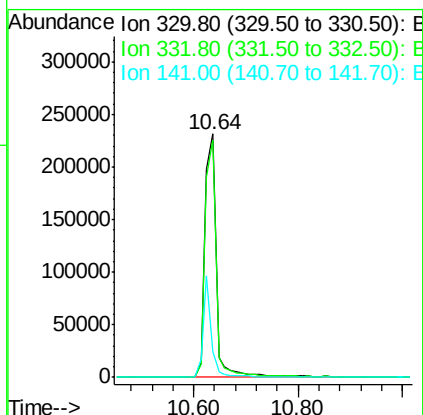
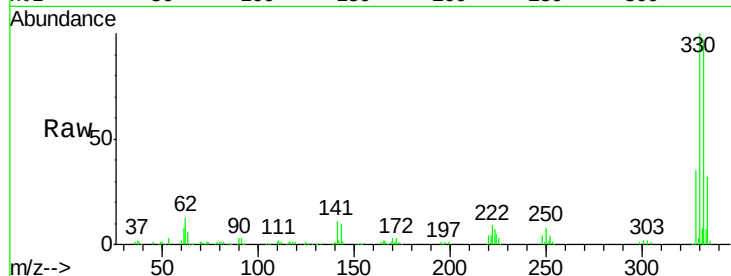




#41  
 2,4,6-Tribromophenol  
 Concen: 135.62 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. 0.00 min  
 Lab File: BF086422.D  
 Acq: 27 Apr 2016 14:16

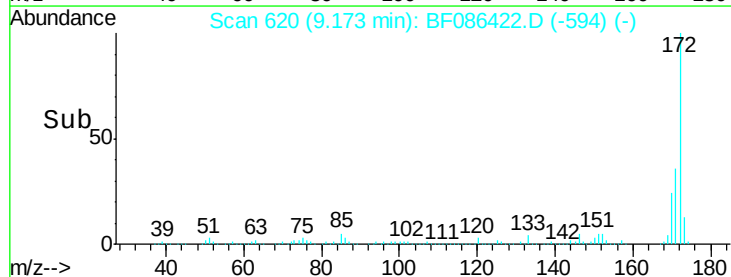
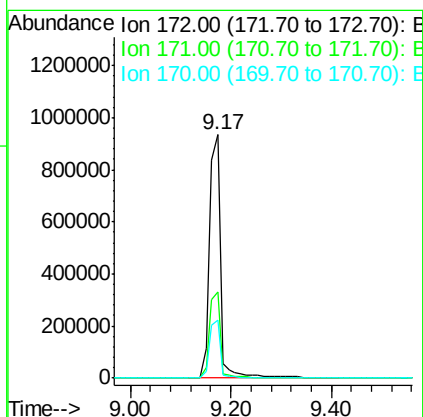
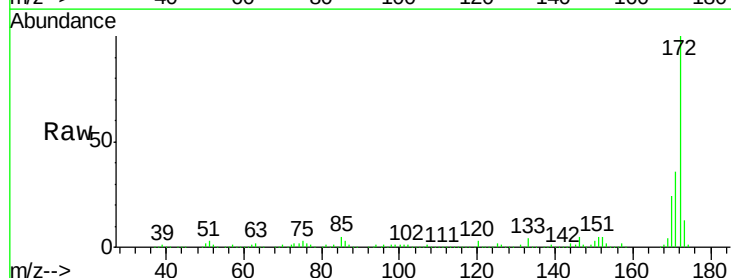
Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-FIELDBLANK-042216

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 79.0  | 118.4 |
| 141     | 31.4  | 31.2  | 46.8  |

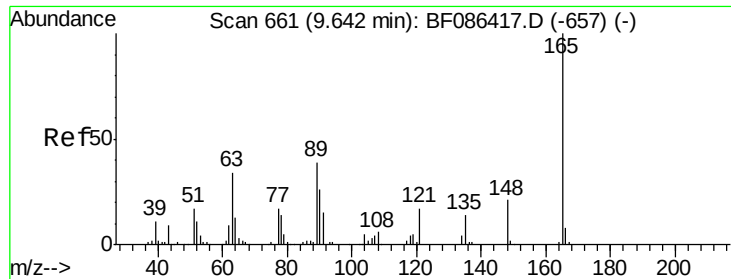


#44  
 2-Fluorobiphenyl  
 Concen: 110.07 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. 0.00 min  
 Lab File: BF086422.D  
 Acq: 27 Apr 2016 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.0  | 43.6  |
| 170     | 23.8  | 19.8  | 29.8  |



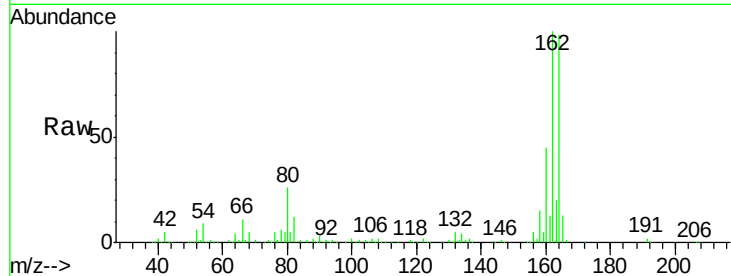




#50  
 2,6-Dinitrotoluene  
 Concen: 7.98 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. 0.19 min  
 Lab File: BF086422.D  
 Acq: 27 Apr 2016 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-FIELDBLANK-042216

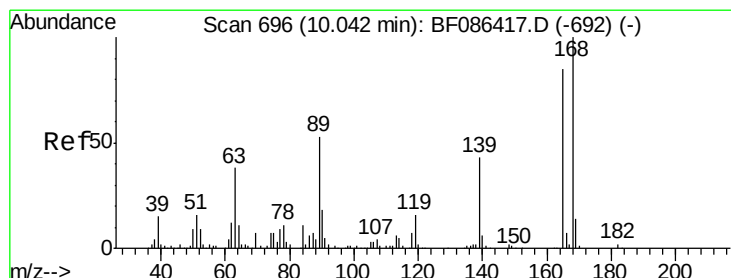
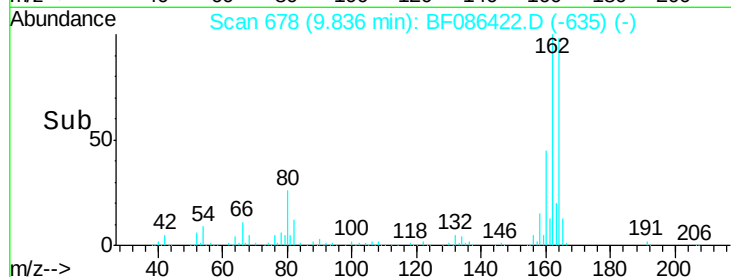
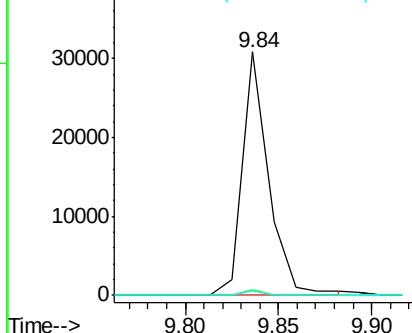
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.1   | 51.8  | 77.8# |
| 89      | 1.8   | 50.7  | 76.1# |



Abundance Ion 165.00 (164.70 to 165.70): E

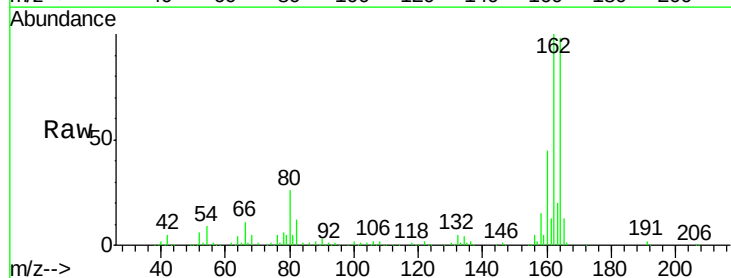
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 6.31 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. -0.21 min  
 Lab File: BF086422.D  
 Acq: 27 Apr 2016 14:16

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 2.1   | 44.3  | 66.5#  |
| 89      | 1.8   | 70.0  | 105.0# |
| 182     | 0.0   | 1.8   | 2.6#   |

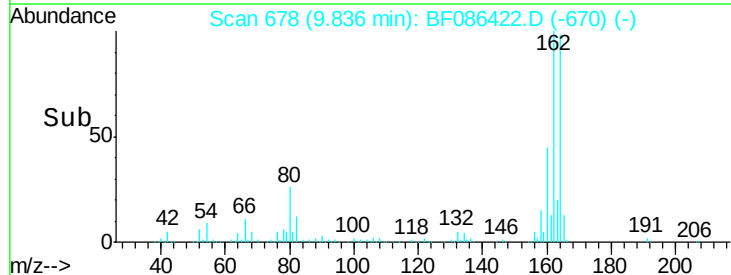
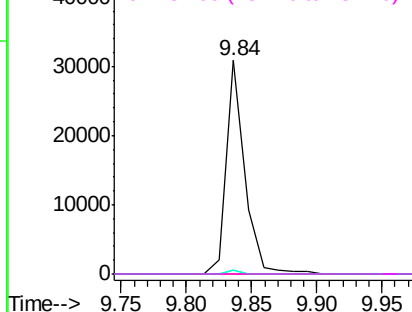


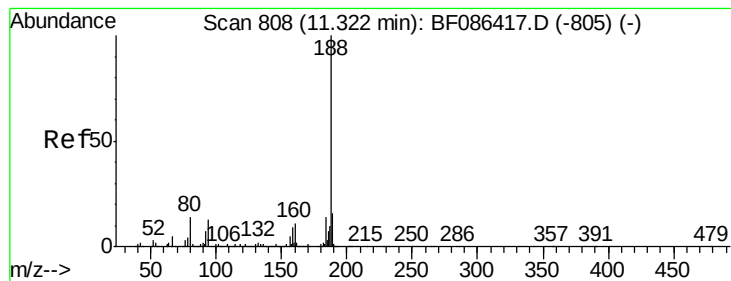
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086422.D

Acq: 27 Apr 2016 14:16

Instrument :

BNA\_F

ClientSampleId :

26WARD-FIELDBLANK-042216

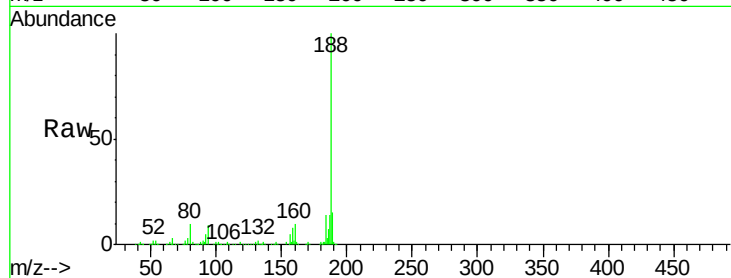
Tot Ion:188 Resp: 498275

Ion Ratio Lower Upper

188 100

94 9.2 6.8 10.2

80 9.9 7.1 10.7



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

11.32

400000

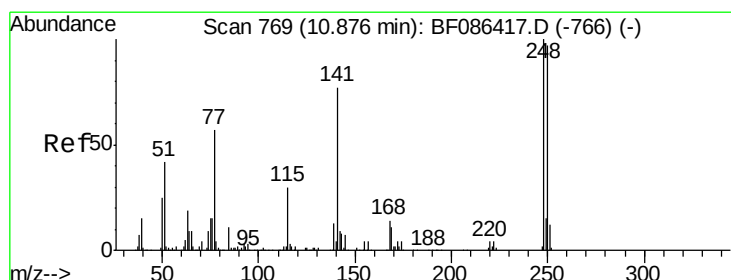
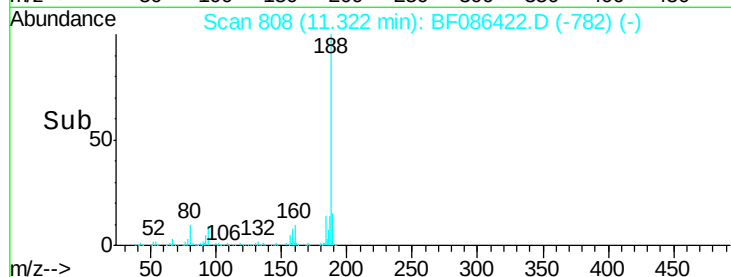
300000

200000

100000

0

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.71 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.25 min

Lab File: BF086422.D

Acq: 27 Apr 2016 14:16

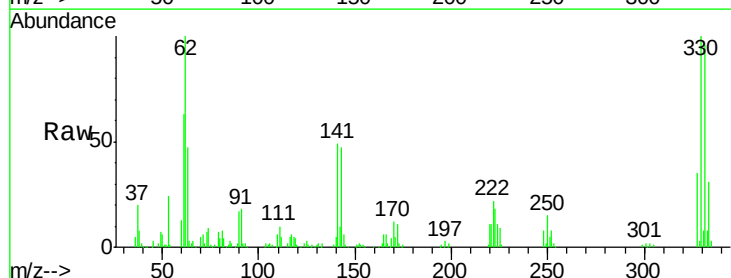
Tgt Ion:248 Resp: 19033

Ion Ratio Lower Upper

248 100

250 193.0 78.6 117.8#

141 632.9 76.0 114.0#



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

10.62

120000

100000

80000

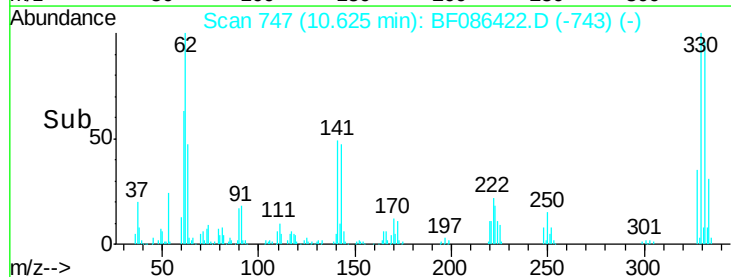
60000

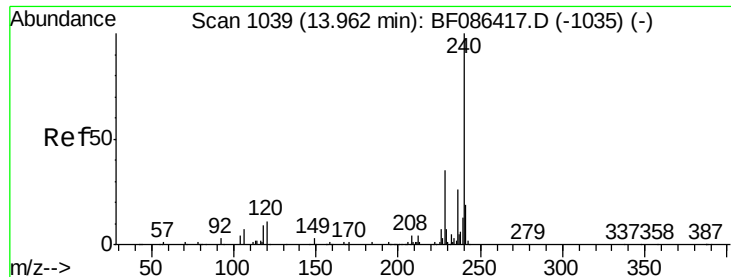
40000

20000

0

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086422.D

Acq: 27 Apr 2016 14:16

Instrument :

BNA\_F

ClientSampleId :

26WARD-FIELDBLANK-042216

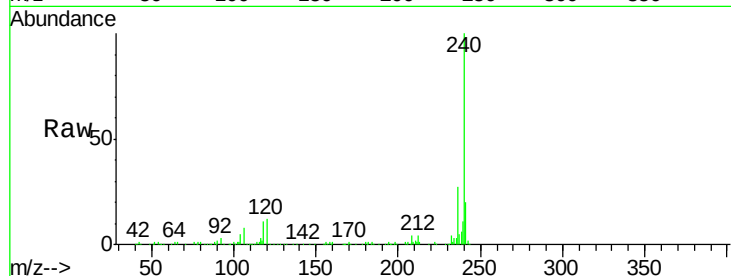
Tot Ion:240 Resp: 394154

Ion Ratio Lower Upper

240 100

120 12.0 11.2 16.8

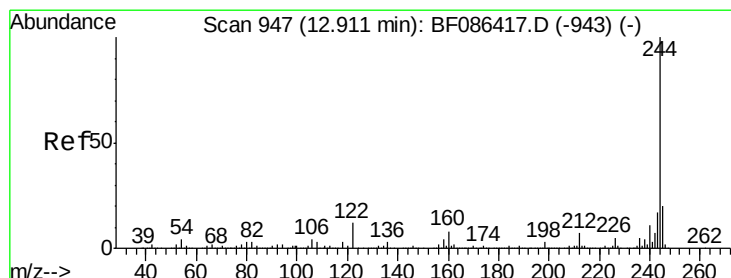
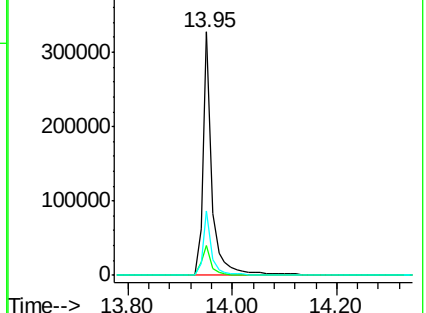
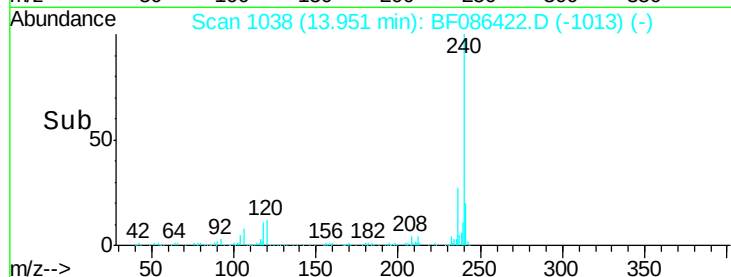
236 26.5 21.2 31.8



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: 77.92 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086422.D

Acq: 27 Apr 2016 14:16

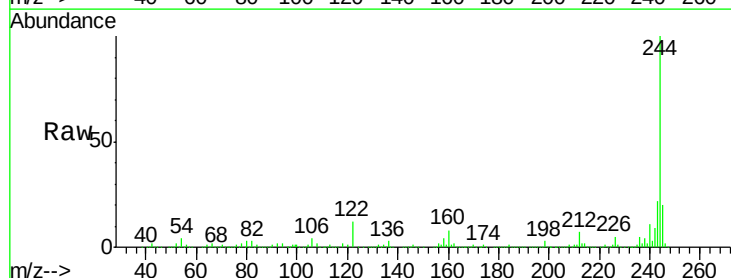
Tgt Ion:244 Resp: 1394120

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

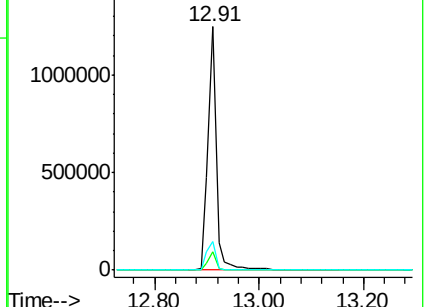
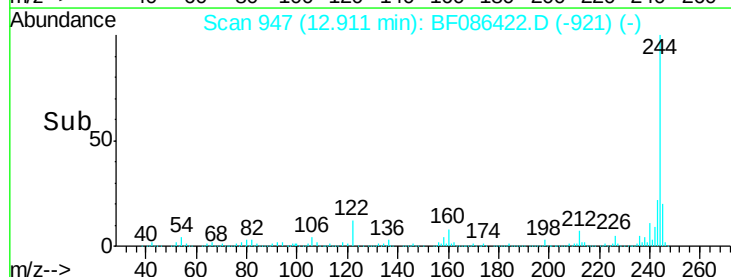
122 11.7 12.0 18.0#

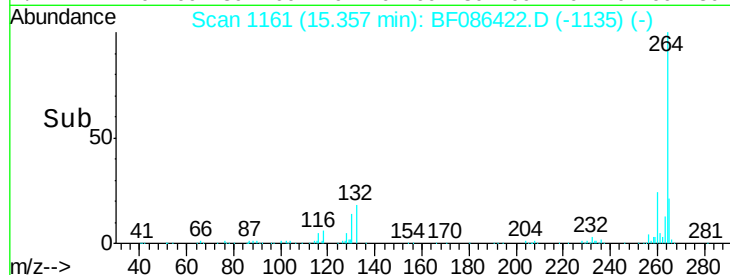
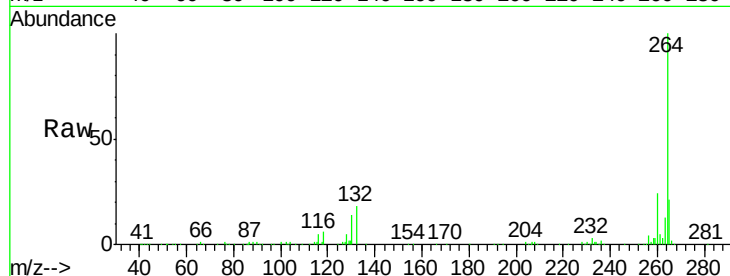
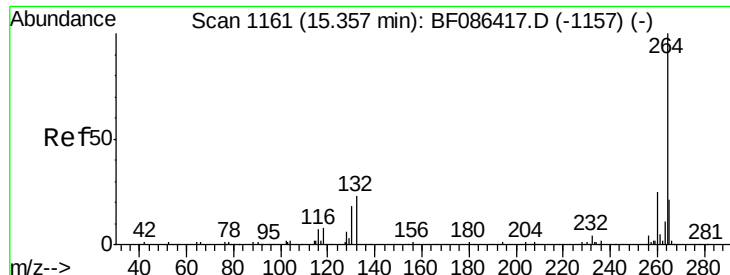


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1161  
Delta R.T. 0.00 min  
Lab File: BF086422.D  
Acq: 27 Apr 2016 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-FIELDBLANK-042216

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 290660 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.4  | 19.5  | 29.3   |
| 265       | 20.8  | 17.3  | 25.9   |

