

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102716\  
 Data File : BF090891.D  
 Acq On : 28 Oct 2016 2:30  
 Operator : UM/SJ  
 Sample : H5423-15  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8COMP(0-16FEET)

Quant Time: Oct 28 05:08:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 27 18:46:43 2016  
 Response via : Initial Calibration

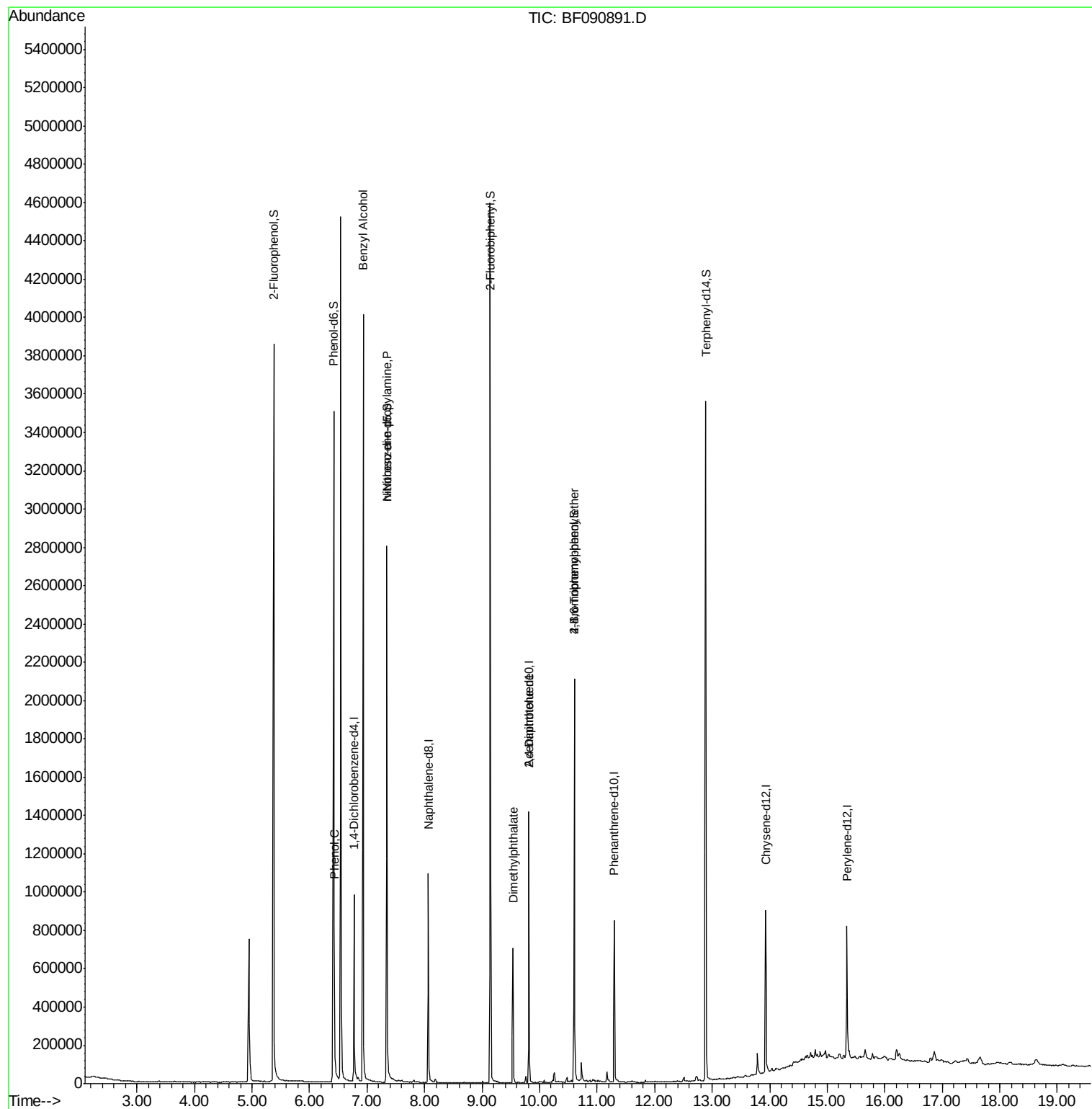
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 151474   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.06  | 136  | 593083   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.81  | 164  | 272523   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.30 | 188  | 334759   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.93 | 240  | 304098   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.35 | 264  | 287187   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 1361497  | 157.15 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.42  | 99   | 1550163  | 132.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 1131607  | 124.91 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 231027   | 82.49  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.14  | 172  | 1482547  | 95.53  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.89 | 244  | 1145588  | 94.91  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.43  | 94   | 58636    | 4.55   | ng    | # 56     |
| 15) Benzyl Alcohol             | 6.93  | 79   | 18869    | 2.46   | ng    | # 31     |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 154608   | 22.88  | ng    | # 51     |
| 49) Dimethylphthalate          | 9.54  | 163  | 316377   | 17.38  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.81  | 165  | 34348    | 6.88   | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 16543    | 4.51   | ng    | # 1      |

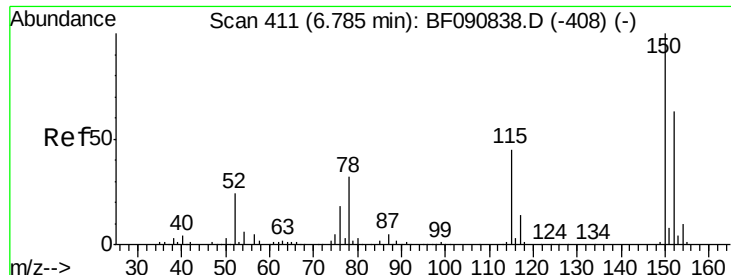
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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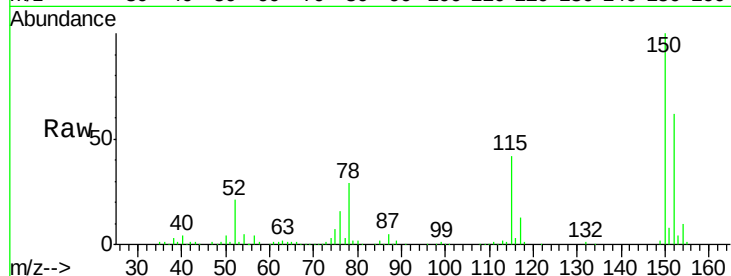


#1

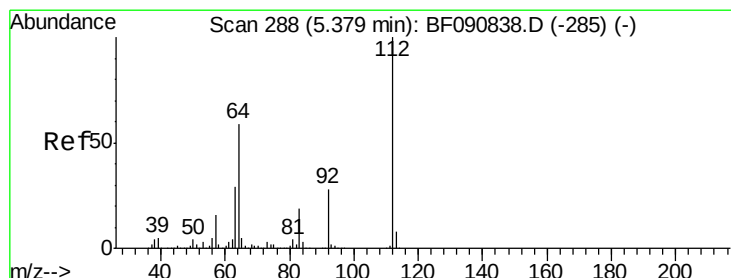
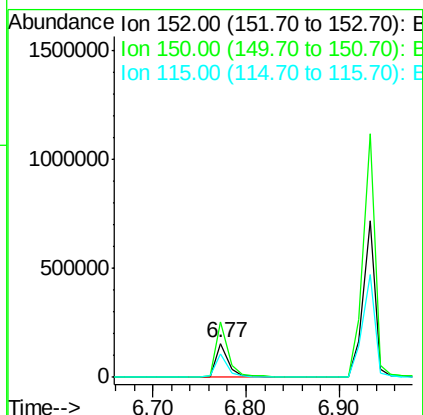
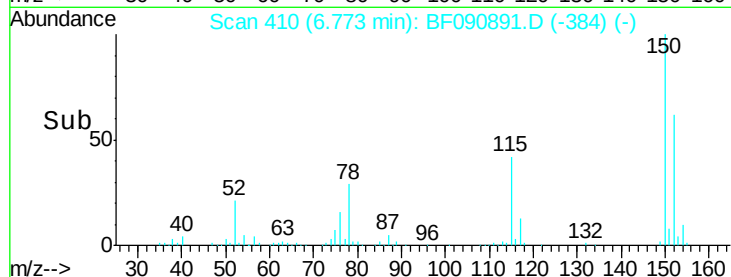
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 410  
Delta R.T. -0.00 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8COMP(0-16FEET)

Tgt Ion:152 Resp: 151474  
Ion Ratio Lower Upper  
152 100  
150 162.5 124.7 187.1  
115 68.3 39.0 58.4#



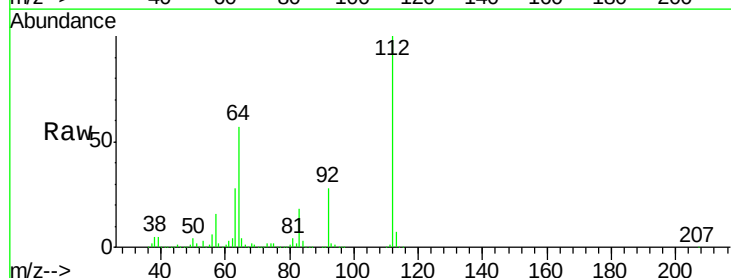
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



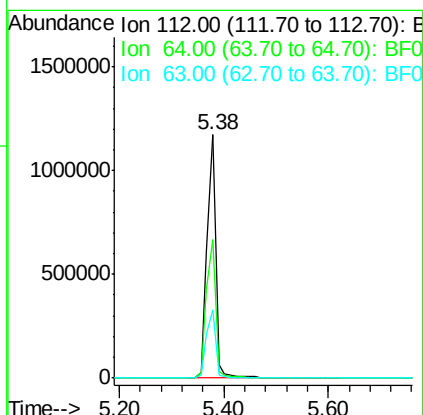
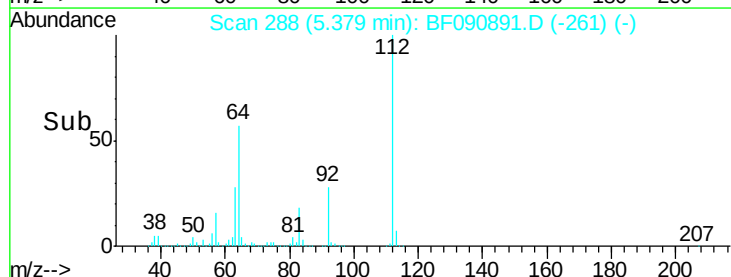
#5

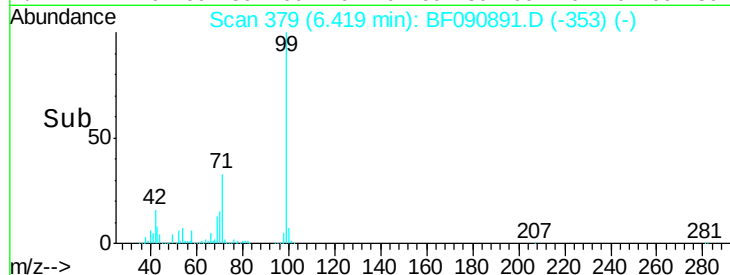
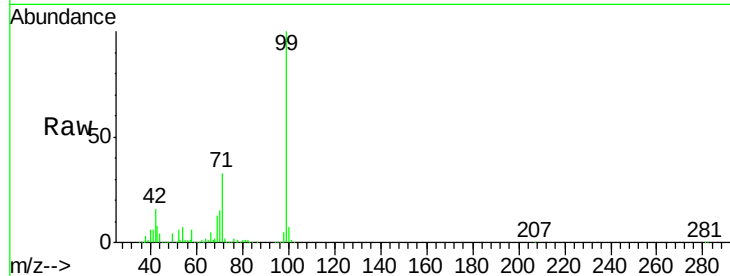
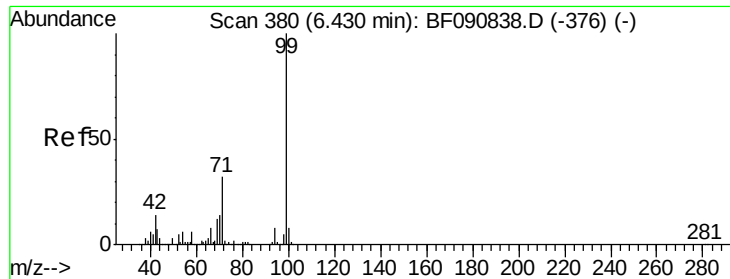
2-Fluorophenol  
Concen: 157.15 ng  
RT: 5.38 min Scan# 288  
Delta R.T. 0.01 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Tgt Ion:112 Resp: 1361497  
Ion Ratio Lower Upper  
112 100  
64 56.7 39.7 59.5  
63 28.2 17.4 26.0#



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: 132.63 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

Instrument :

BNA\_F

ClientSampleId :

SB-8COMP(0-16FEET)

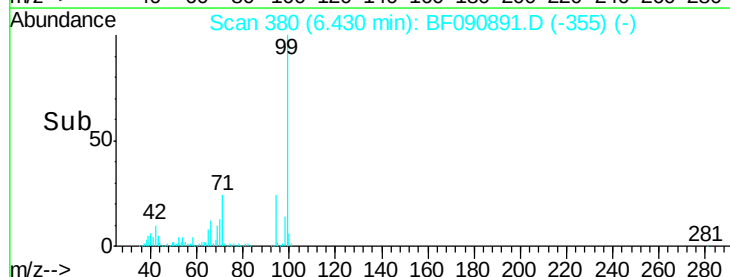
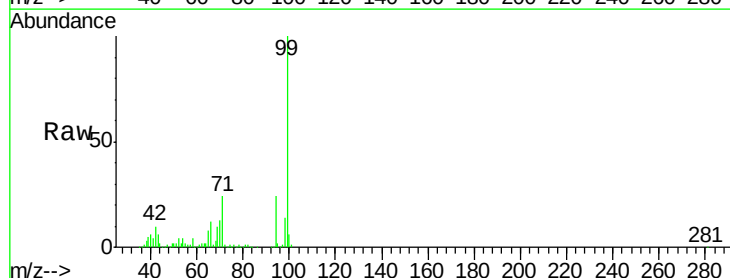
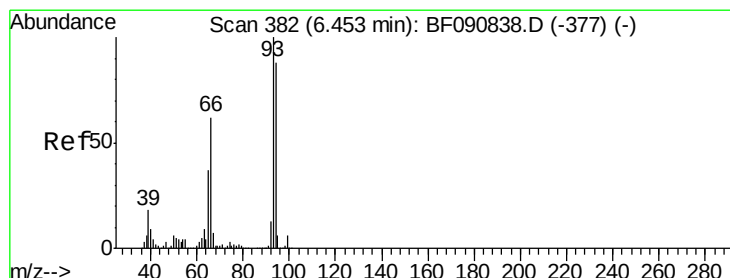
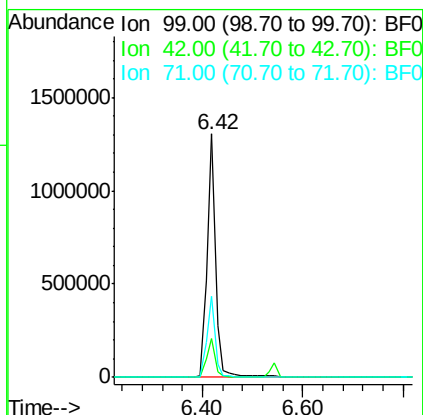
Tgt Ion: 99 Resp: 1550163

Ion Ratio Lower Upper

99 100

42 16.2 13.7 20.5

71 33.1 14.2 21.2#



#10

Phenol

Concen: 4.55 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

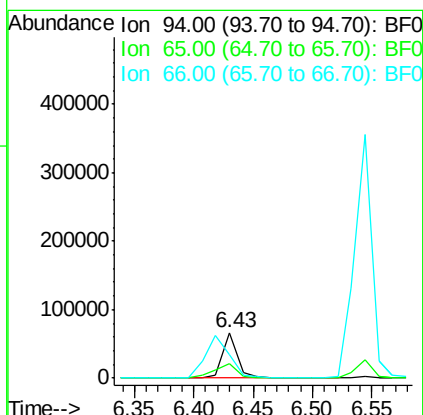
Tgt Ion: 94 Resp: 58636

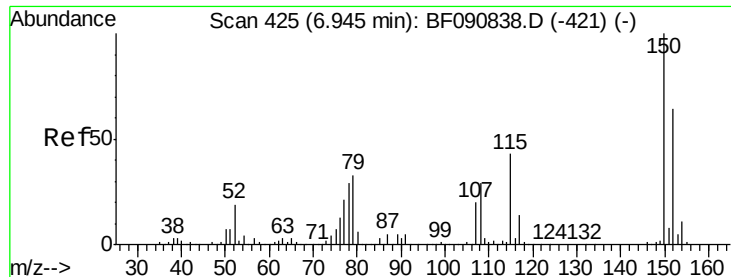
Ion Ratio Lower Upper

94 100

65 31.9 0.7 40.7

66 50.8 0.8 40.8#

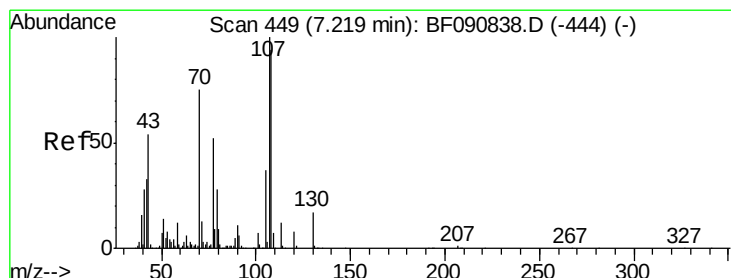
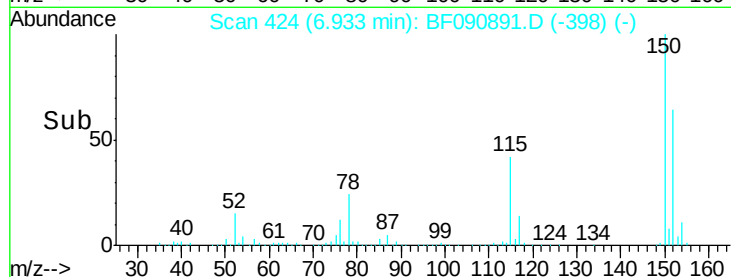
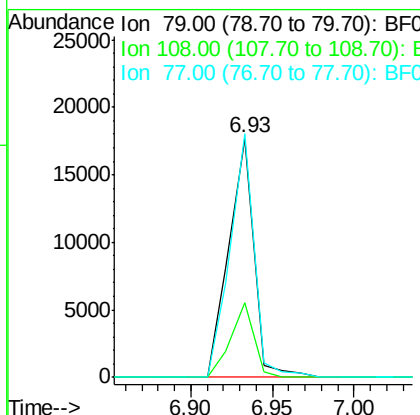
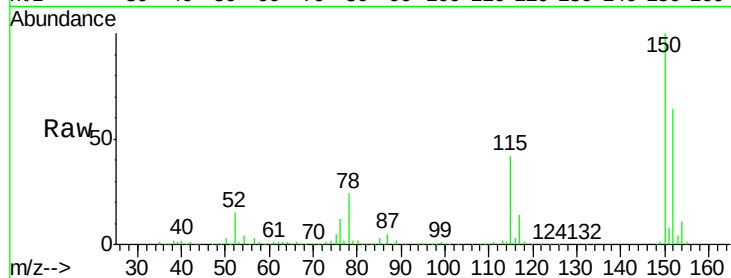




#15  
Benzyl Alcohol  
Concen: 2.46 ng  
RT: 6.93 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

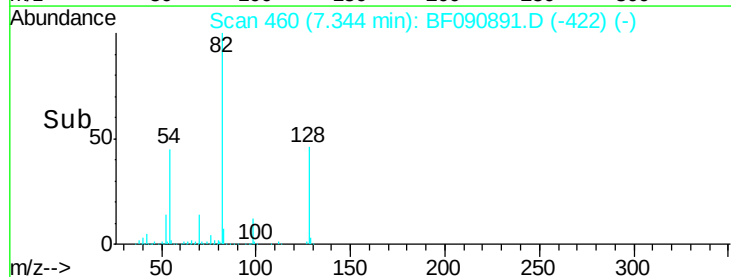
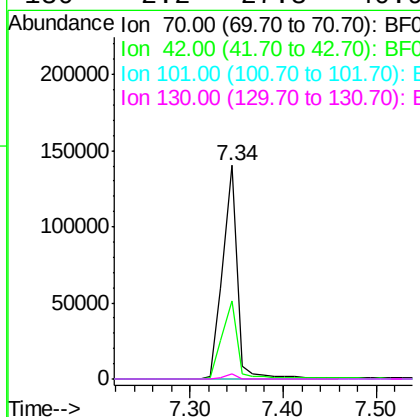
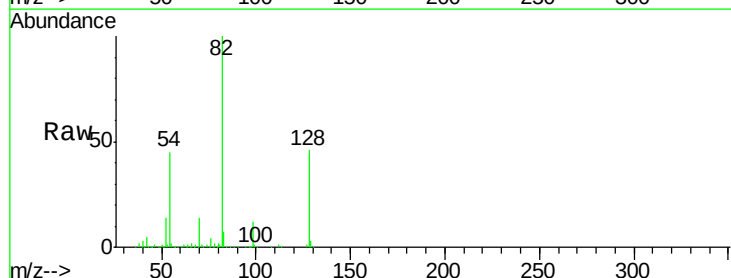
Instrument :  
BNA\_F  
ClientSampleId :  
SB-8COMP(0-16FEET)

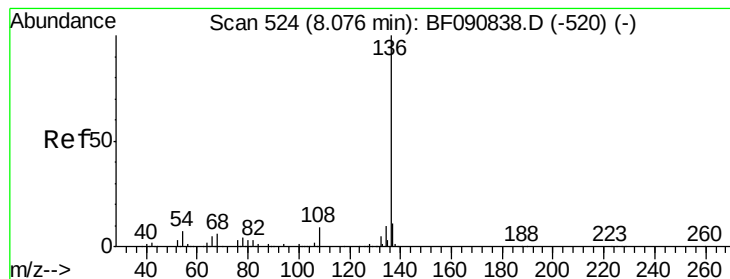
Tgt Ion: 79 Resp: 18869  
Ion Ratio Lower Upper  
79 100  
108 31.2 88.6 132.8#  
77 101.9 47.0 70.4#



#19  
n-Nitroso-di-n-propylamine  
Concen: 22.88 ng  
RT: 7.34 min Scan# 460  
Delta R.T. 0.14 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Tgt Ion: 70 Resp: 154608  
Ion Ratio Lower Upper  
70 100  
42 36.8 63.8 95.6#  
101 0.0 9.2 13.8#  
130 2.2 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

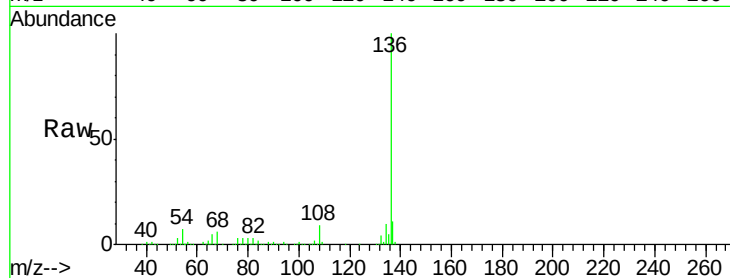
Instrument :

BNA\_F

ClientSampleId :

SB-8COMP(0-16FEET)

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 136  | Resp: | 593083 |
| Ion Ratio |      | Lower | Upper  |
| 136       | 100  |       |        |
| 137       | 10.8 | 9.0   | 13.6   |
| 54        | 6.6  | 8.2   | 12.2#  |
| 68        | 6.0  | 5.8   | 8.6    |

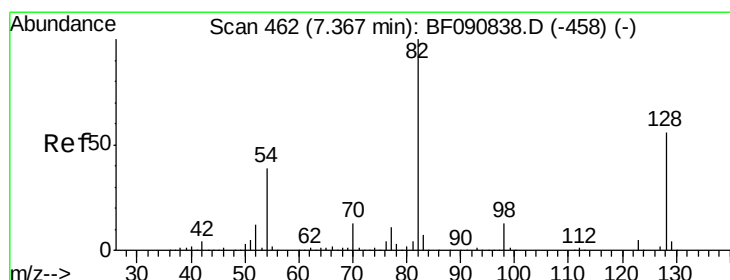
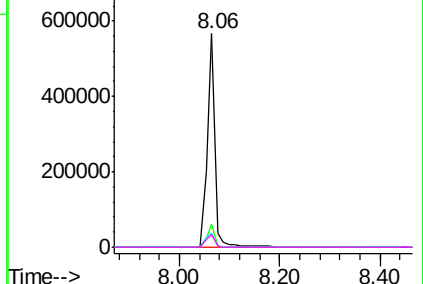
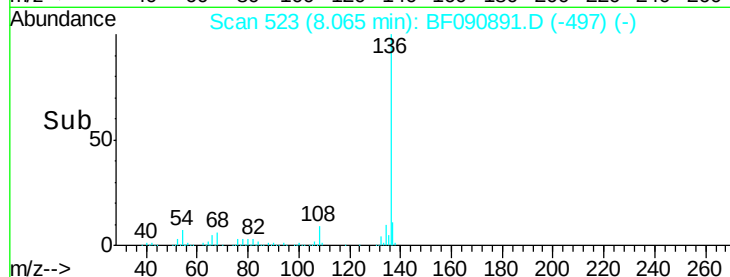


Abundance Ion 136.00 (135.70 to 136.70): E

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: 124.91 ng

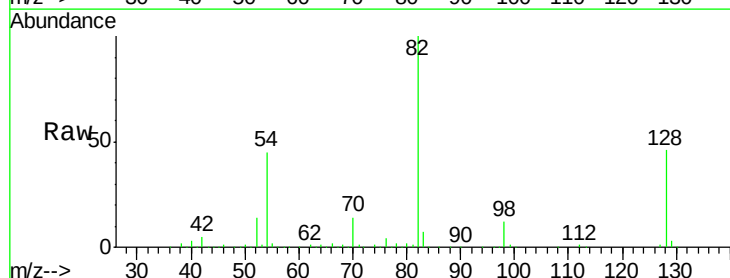
RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

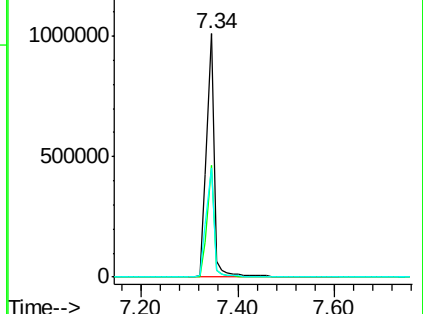
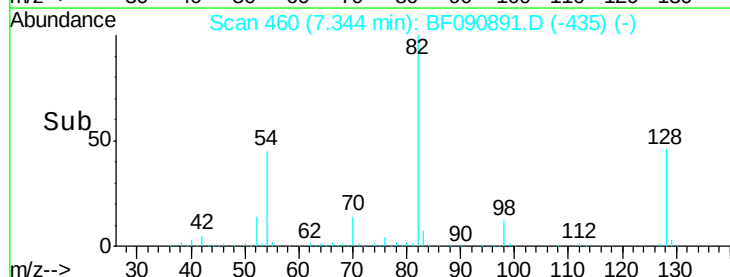
|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 82   | Resp: | 1131607 |
| Ion Ratio |      | Lower | Upper   |
| 82        | 100  |       |         |
| 128       | 46.2 | 51.0  | 76.6#   |
| 54        | 44.7 | 47.5  | 71.3#   |

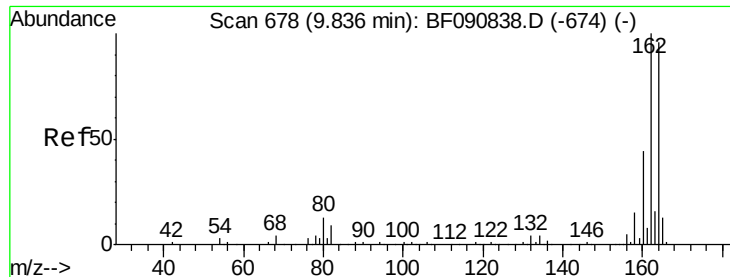


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

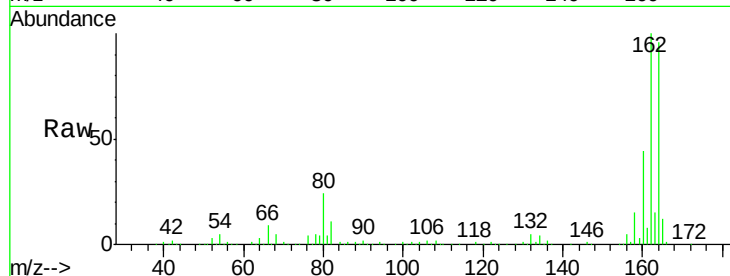




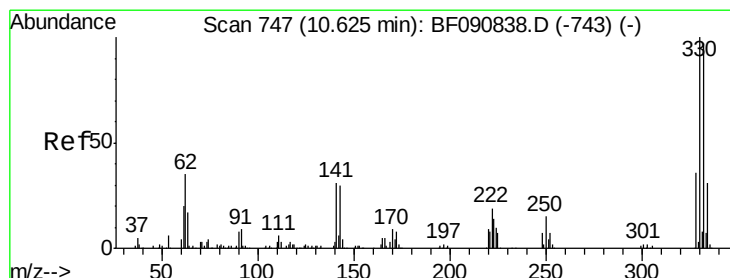
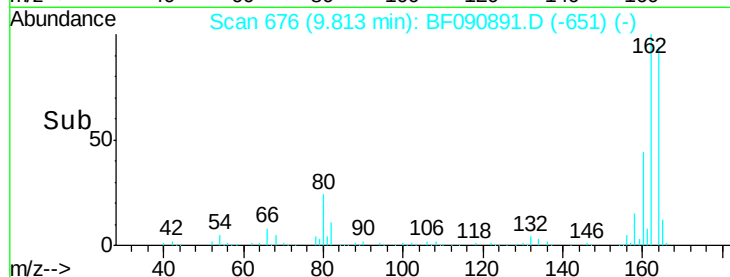
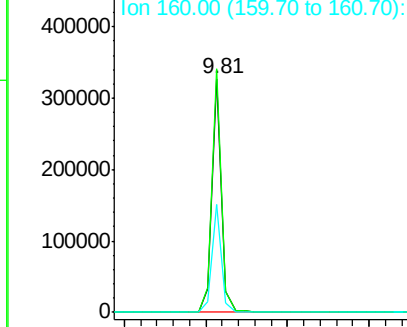
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.81 min Scan# 676  
Delta R.T. -0.01 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8COMP(0-16FEET)

Tgt Ion:164 Resp: 272523  
Ion Ratio Lower Upper  
164 100  
162 104.1 75.2 112.8  
160 46.3 31.5 47.3

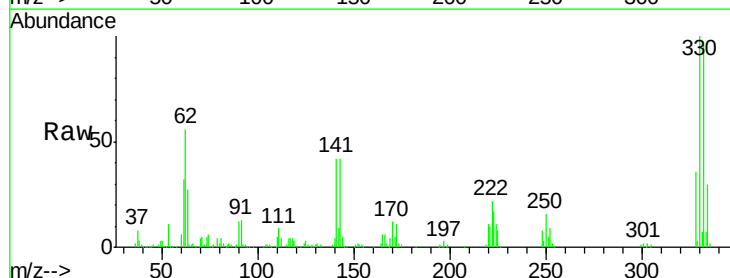


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

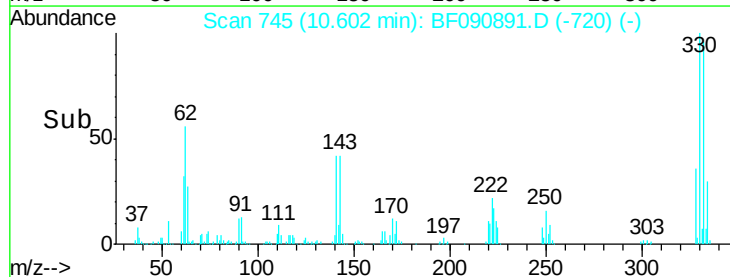
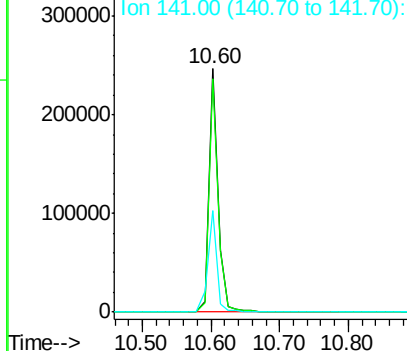


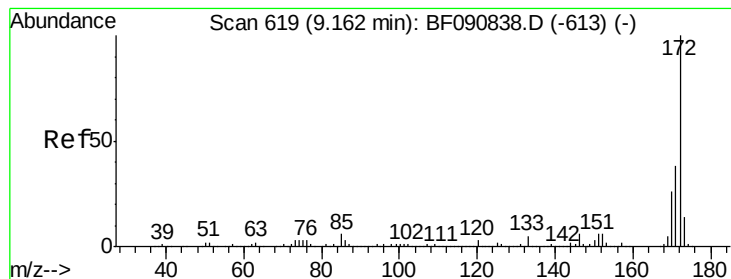
#41  
2,4,6-Tribromophenol  
Concen: 82.49 ng  
RT: 10.60 min Scan# 745  
Delta R.T. -0.01 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Tgt Ion:330 Resp: 231027  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.6 114.8  
141 41.0 29.7 44.5



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: 95.53 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

Instrument :

BNA\_F

ClientSampleId :

SB-8COMP(0-16FEET)

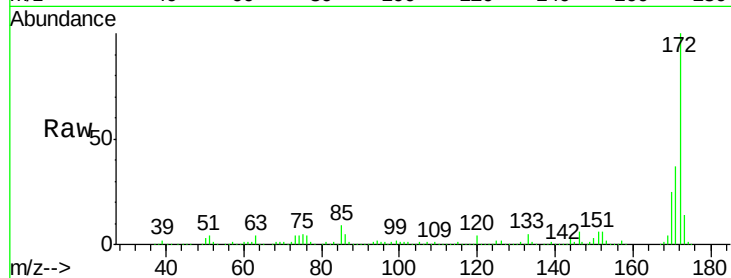
Tgt Ion:172 Resp: 1482547

Ion Ratio Lower Upper

172 100

171 36.7 26.1 39.1

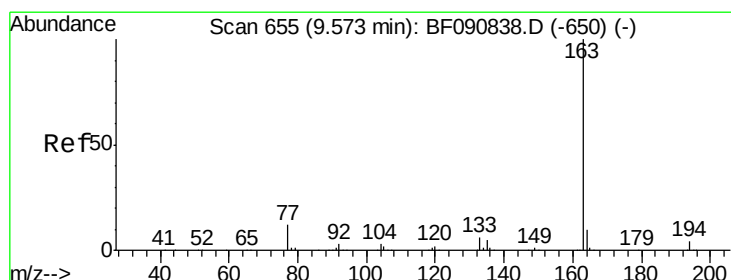
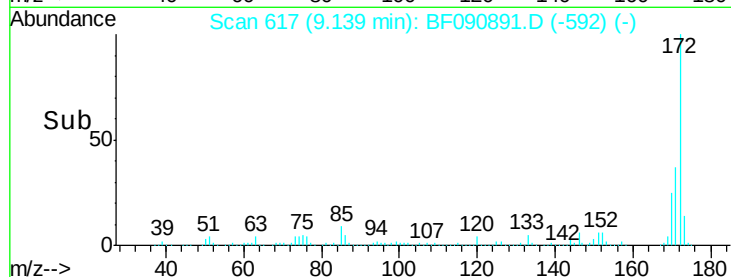
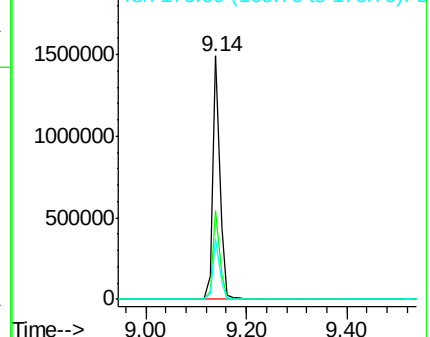
170 25.0 17.4 26.2



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: 17.38 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

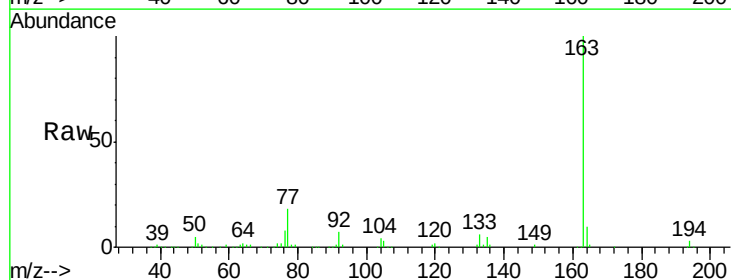
Tgt Ion:163 Resp: 316377

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

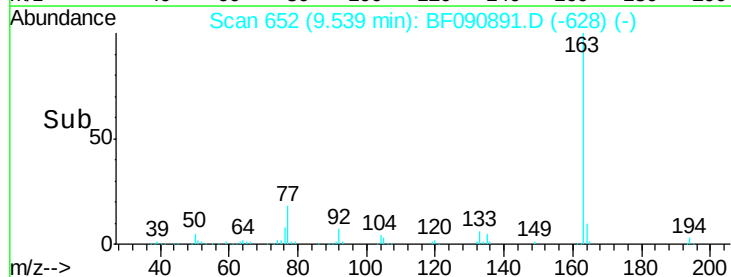
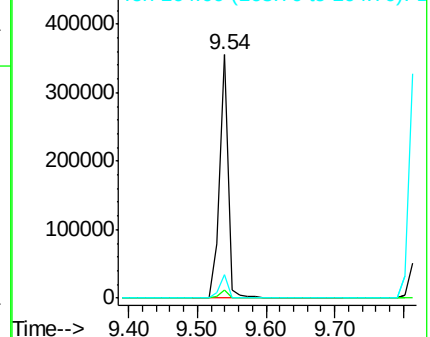
164 9.7 8.3 12.5



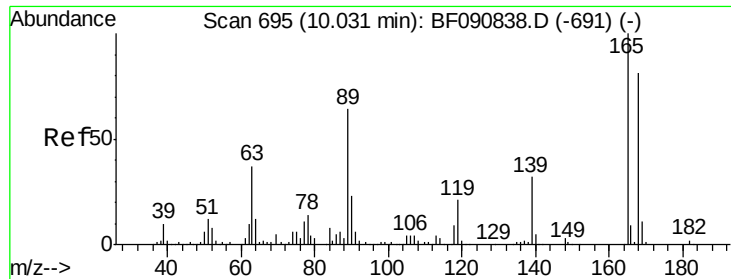
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



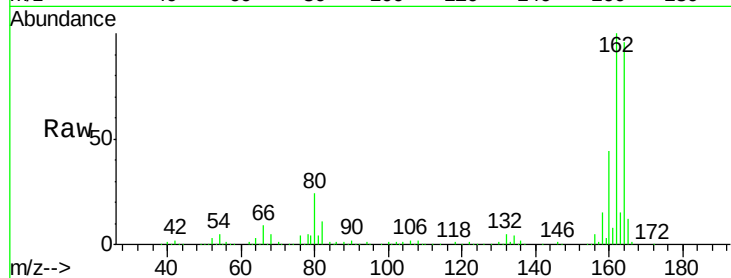




#56  
 2,4-Dinitrotoluene  
 Concen: 6.88 ng  
 RT: 9.81 min Scan# 676  
 Delta R.T. -0.21 min  
 Lab File: BF090891.D  
 Acq: 28 Oct 2016 2:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8COMP(0-16FEET)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 34348 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.8   | 29.8  | 44.6# |
| 89       | 0.9   | 44.5  | 66.7# |
| 182      | 0.0   | 3.0   | 4.4#  |

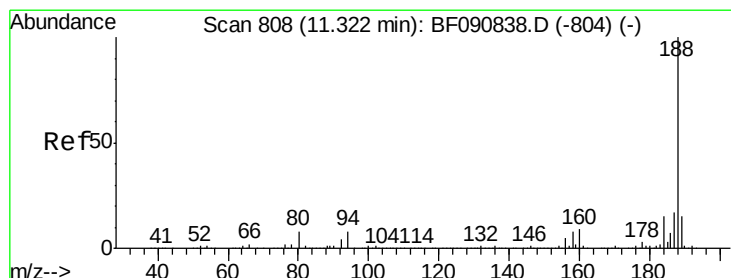
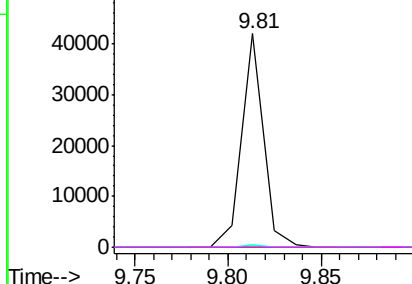
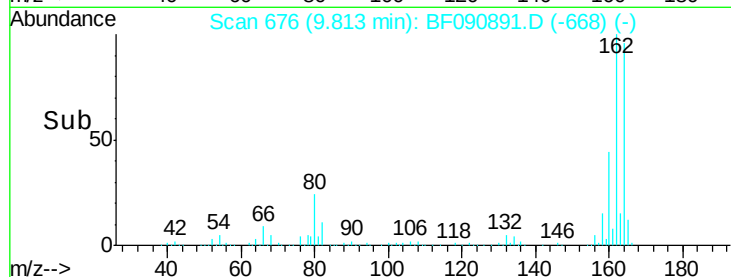


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

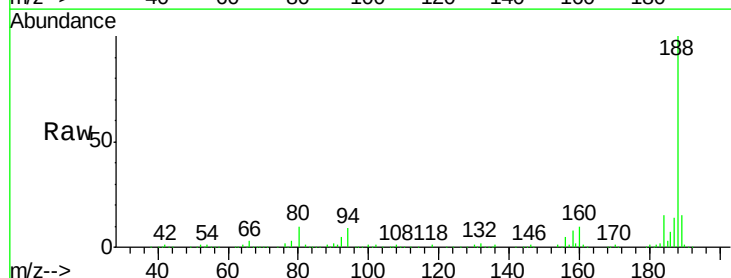
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF090891.D  
 Acq: 28 Oct 2016 2:30

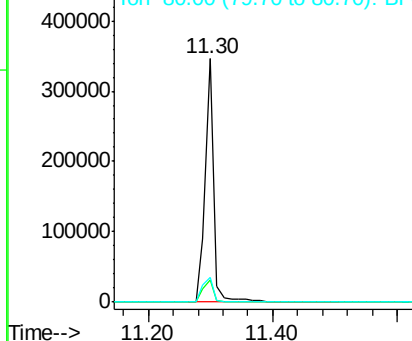
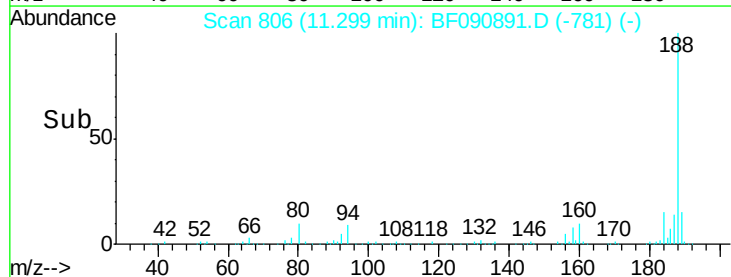
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 334759 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.3   | 11.1  | 16.7#  |
| 80       | 10.0  | 11.0  | 16.4#  |

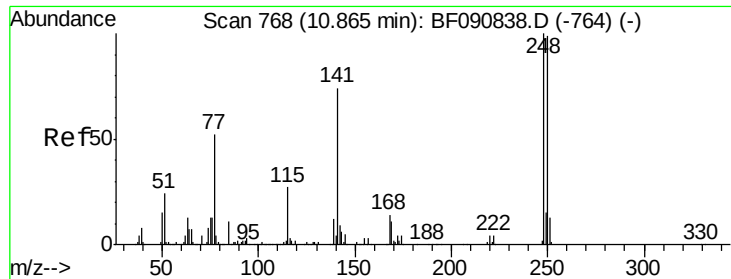


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

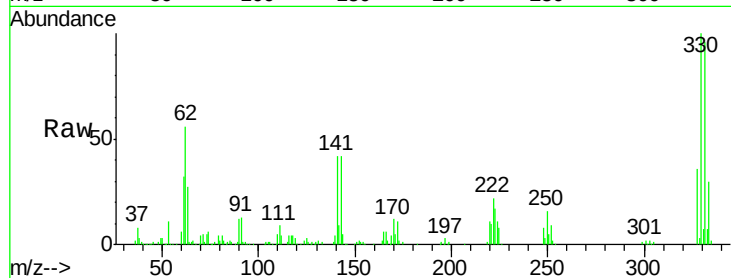




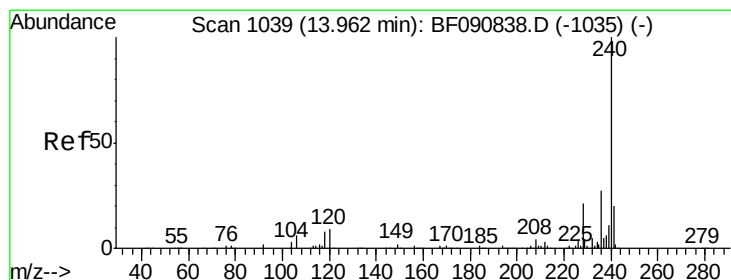
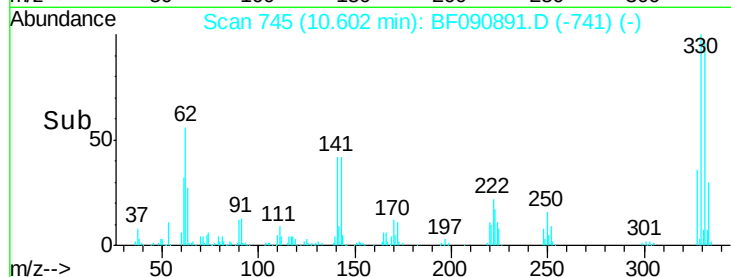
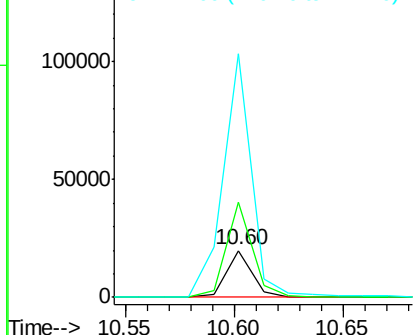
#66  
4-Bromophenyl-phenylether  
Concen: 4.51 ng  
RT: 10.60 min Scan# 745  
Delta R.T. -0.25 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Instrument :  
BNA\_F  
ClientSampleId :  
SB-8COMP(0-16FEET)

Tgt Ion:248 Resp: 16543  
Ion Ratio Lower Upper  
248 100  
250 202.6 78.5 117.7#  
141 520.4 59.0 88.6#

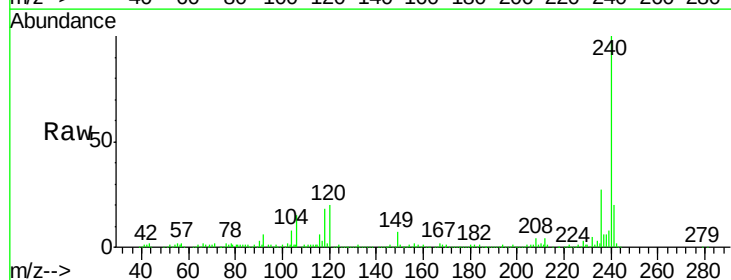


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

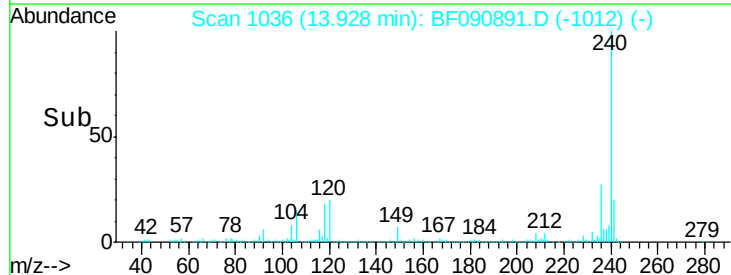
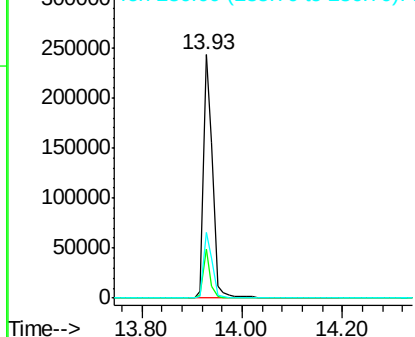


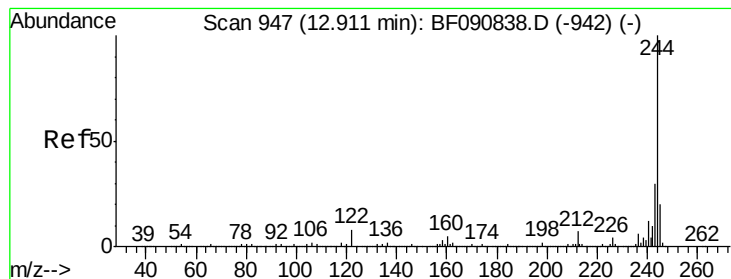
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.93 min Scan# 1036  
Delta R.T. -0.02 min  
Lab File: BF090891.D  
Acq: 28 Oct 2016 2:30

Tgt Ion:240 Resp: 304098  
Ion Ratio Lower Upper  
240 100  
120 20.3 16.2 24.2  
236 26.8 18.4 27.6



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: 94.91 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

Instrument :

BNA\_F

ClientSampleId :

SB-8COMP(0-16FEET)

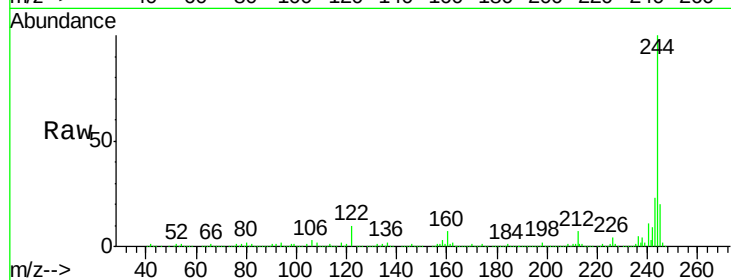
Tgt Ion:244 Resp: 1145588

Ion Ratio Lower Upper

244 100

212 6.8 4.3 6.5#

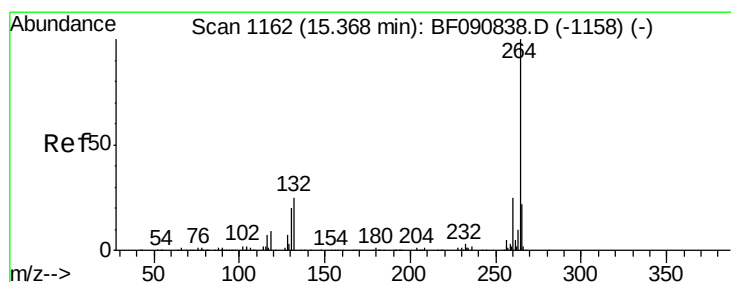
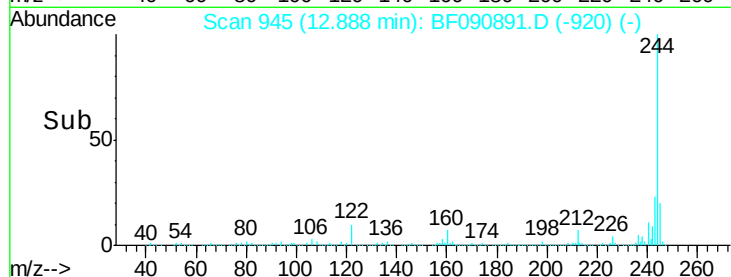
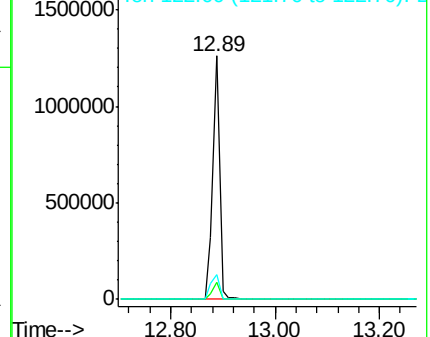
122 10.2 17.4 26.2#



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: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF090891.D

Acq: 28 Oct 2016 2:30

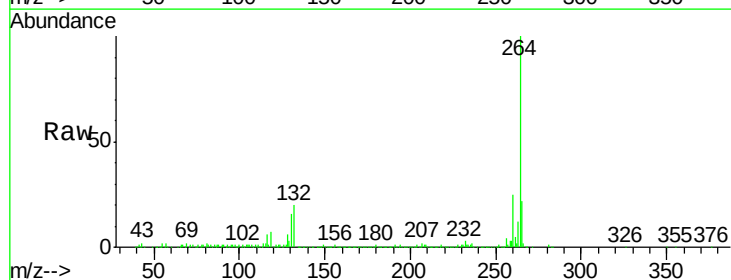
Tgt Ion:264 Resp: 287187

Ion Ratio Lower Upper

264 100

260 24.9 16.7 25.1

265 21.5 17.2 25.8



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

