

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\  
 Data File : BF086561.D  
 Acq On : 1 May 2016 9:57  
 Operator : UM/SJ  
 Sample : H2762-12  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-B2COMP

Quant Time: May 02 02:11:36 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

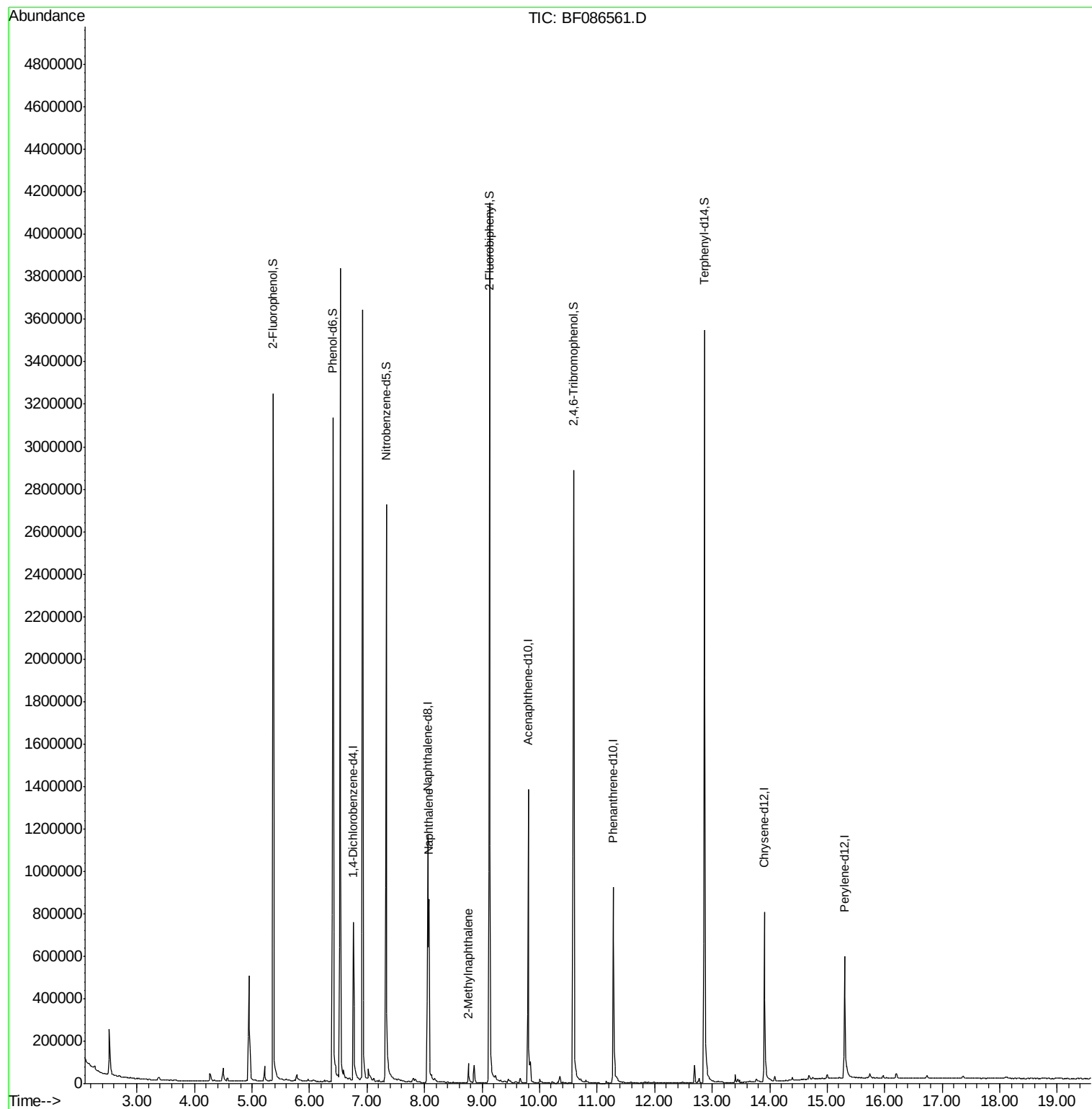
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 132322   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.05  | 136  | 570043   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 281250   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.28 | 188  | 517557   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 13.91 | 240  | 375024   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12            | 15.30 | 264  | 320889   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 961038   | 125.28 | ng    | -0.02    |
| 7) Phenol-d6                | 6.41  | 99   | 1132263  | 105.75 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 977409   | 92.42  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 371506   | 125.26 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1488389  | 94.91  | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.87 | 244  | 1458069  | 85.66  | ng    | -0.05    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.08  | 128  | 512587   | 17.67  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.76  | 142  | 34412    | 2.01   | ng    | 98       |

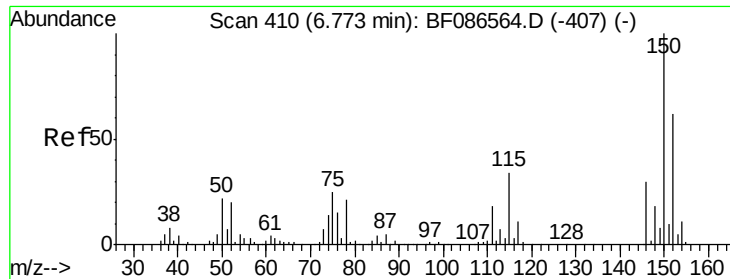
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\  
Data File : BF086561.D  
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Operator : UM/SJ  
Sample : H2762-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-B2COMP

Quant Time: May 02 02:11:36 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086561.D

Acq: 1 May 2016 9:57

Instrument :

BNA\_F

ClientSampleId :

TEC-B2COMP

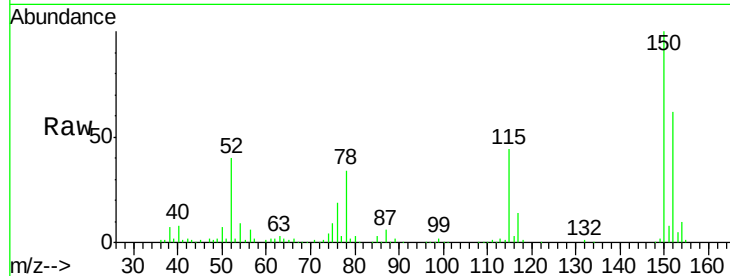
Tot Ion:152 Resp: 132322

Ion Ratio Lower Upper

152 100

150 161.9 125.8 188.6

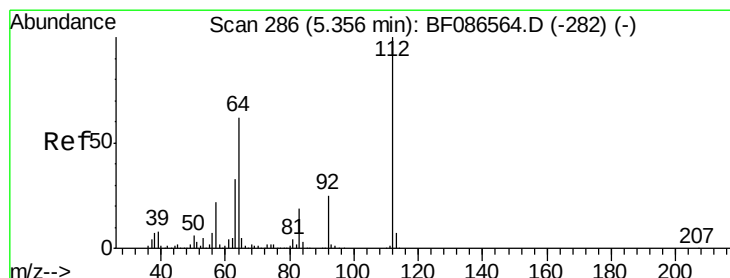
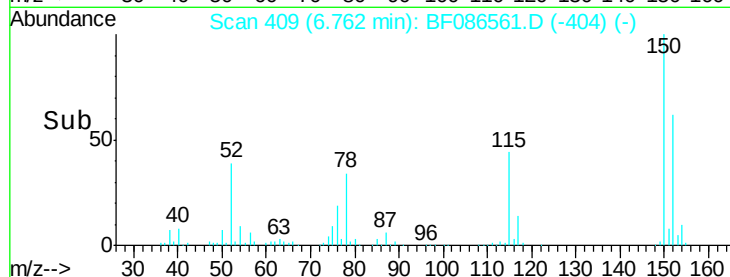
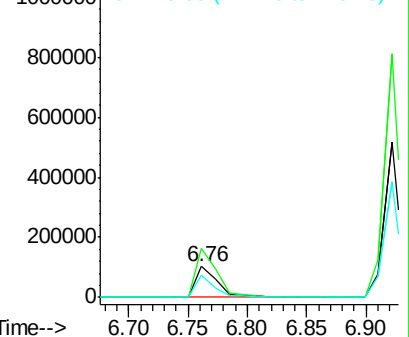
115 71.8 51.5 77.3



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: 125.28 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF086561.D

Acq: 1 May 2016 9:57

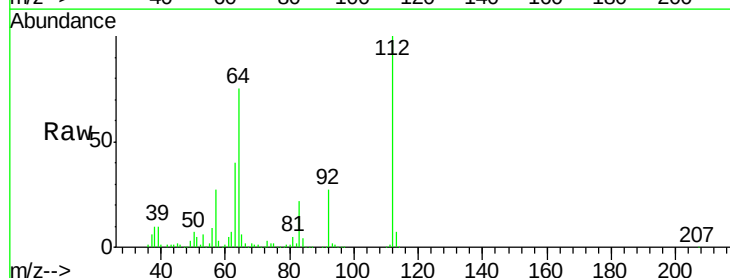
Tgt Ion:112 Resp: 961038

Ion Ratio Lower Upper

112 100

64 74.5 52.1 78.1

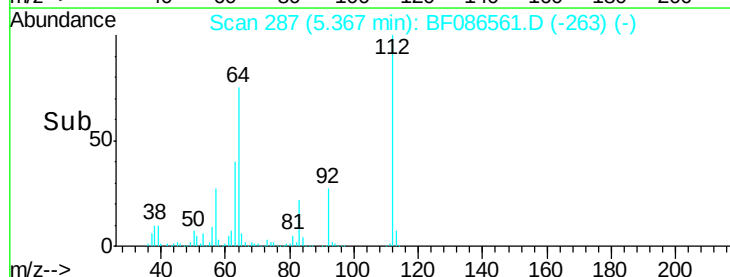
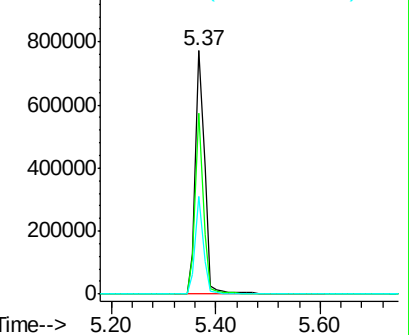
63 39.9 25.7 38.5#

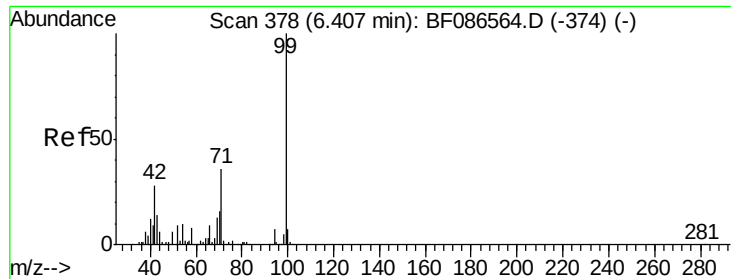


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.75 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086561.D

Acq: 1 May 2016 9:57

Instrument :

BNA\_F

ClientSampleId :

TEC-B2COMP

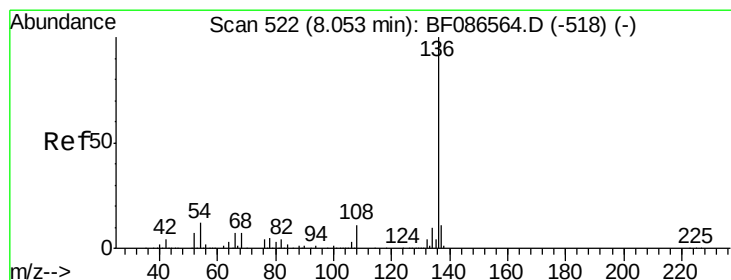
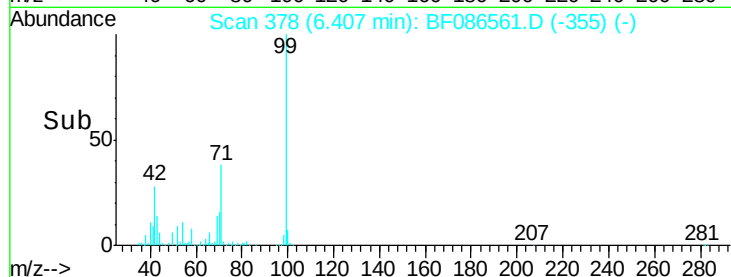
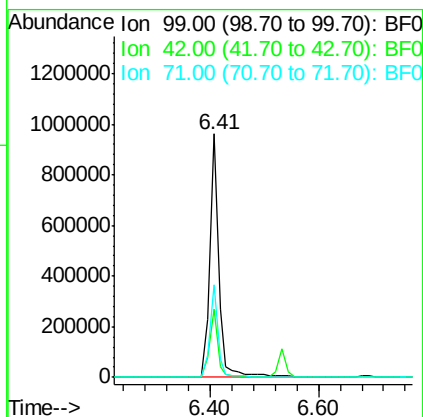
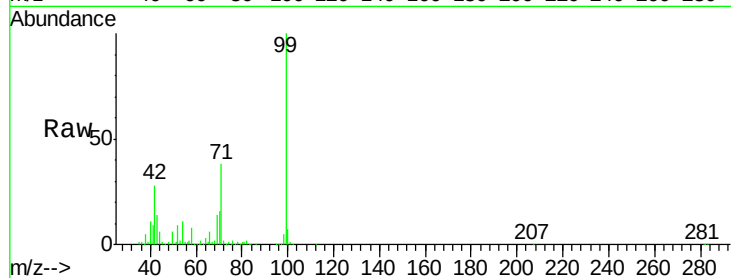
Tot Ion: 99 Resp: 1132263

Ion Ratio Lower Upper

99 100

42 28.3 13.6 20.4#

71 37.9 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.05 min

Lab File: BF086561.D

Acq: 1 May 2016 9:57

Tgt Ion: 136 Resp: 570043

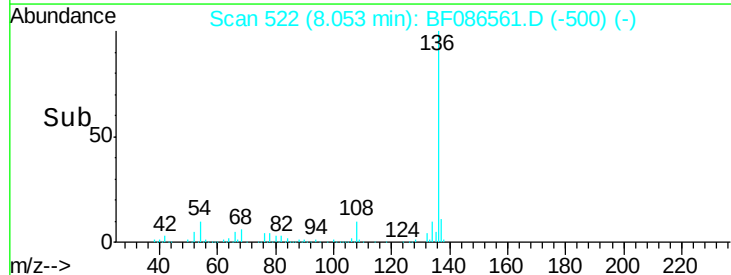
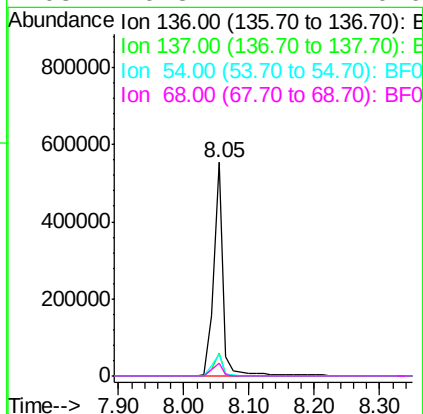
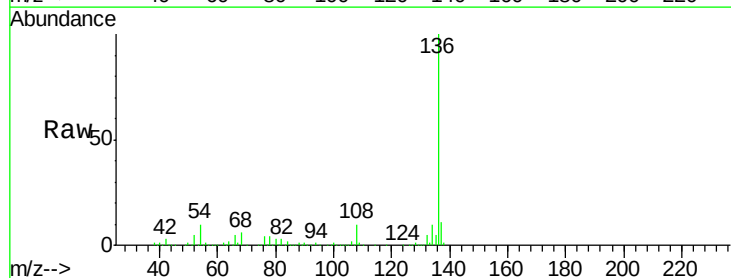
Ion Ratio Lower Upper

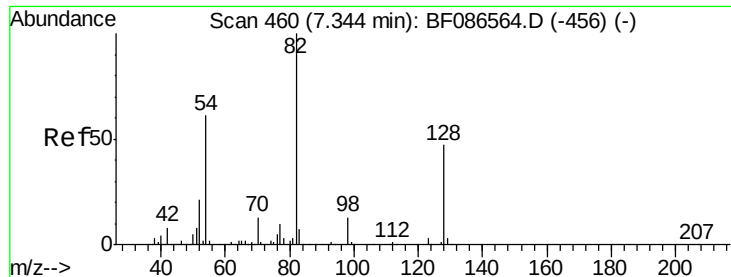
136 100

137 10.7 8.8 13.2

54 9.9 5.0 7.4#

68 6.3 4.4 6.6

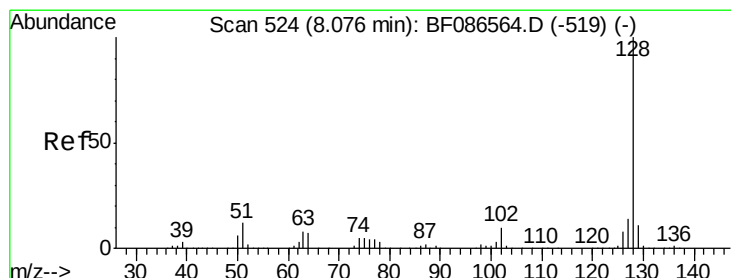
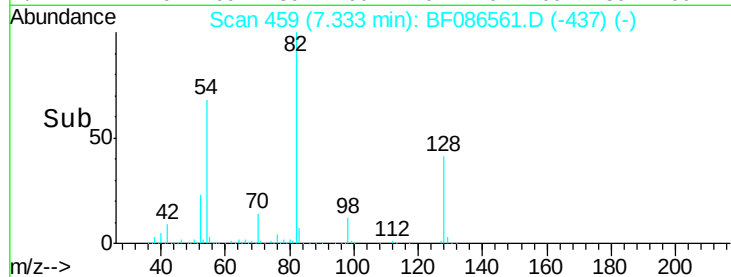
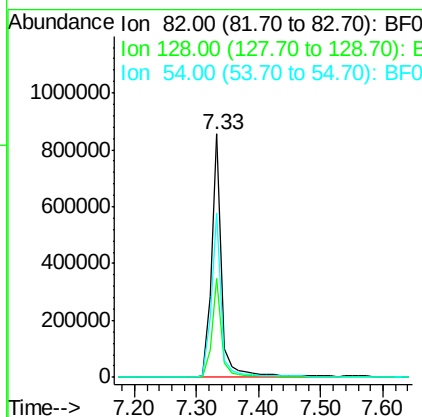
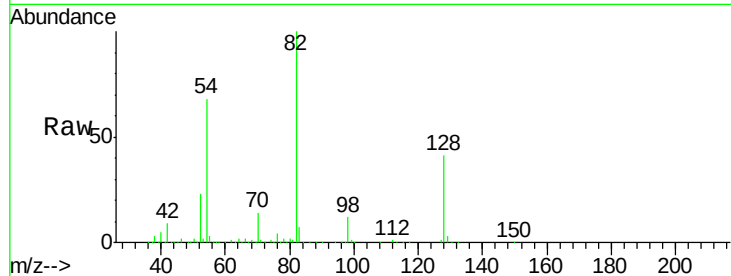




#23  
Nitrobenzene-d5  
Concen: 92.42 ng  
RT: 7.33 min Scan# 459  
Delta R.T. -0.05 min  
Lab File: BF086561.D  
Acq: 1 May 2016 9:57

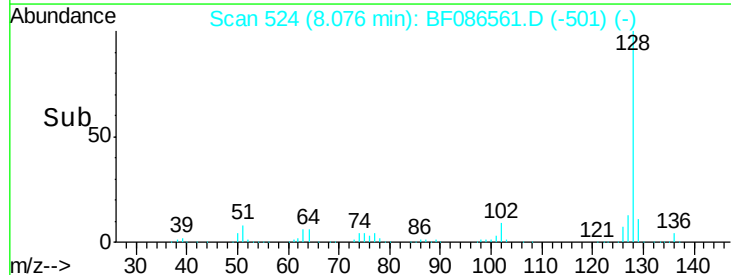
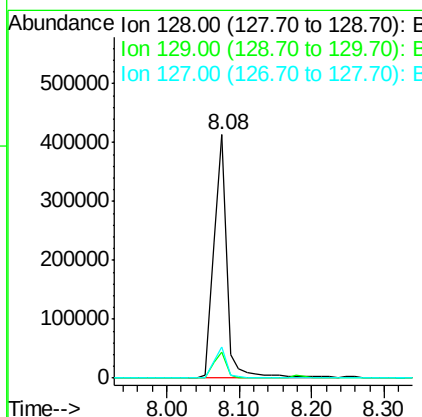
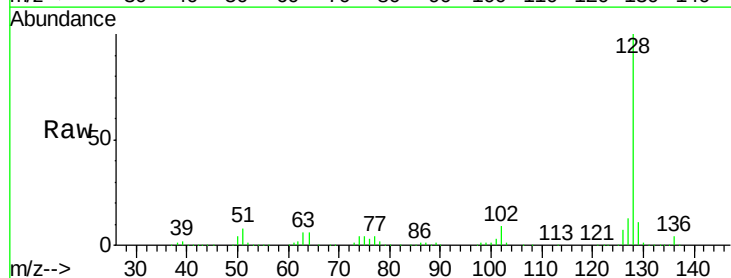
Instrument :  
BNA\_F  
ClientSampleId :  
TEC-B2COMP

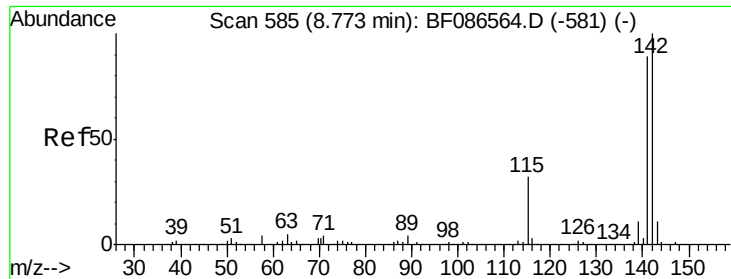
Tot Ion: 82 Resp: 977409  
Ion Ratio Lower Upper  
82 100  
128 40.7 40.6 61.0  
54 67.6 38.1 57.1#



#31  
Naphthalene  
Concen: 17.67 ng  
RT: 8.08 min Scan# 524  
Delta R.T. -0.03 min  
Lab File: BF086561.D  
Acq: 1 May 2016 9:57

Tgt Ion:128 Resp: 512587  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 13.0  
127 12.8 10.8 16.2

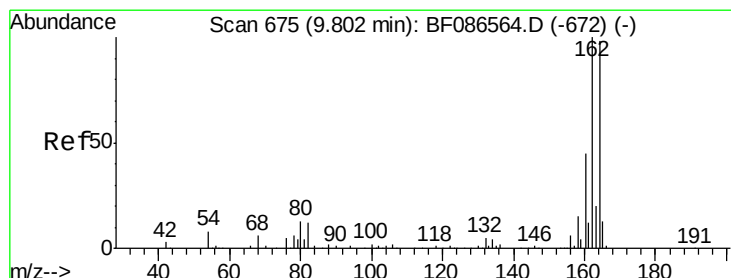
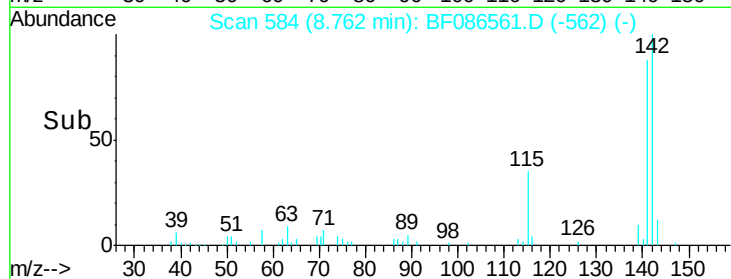
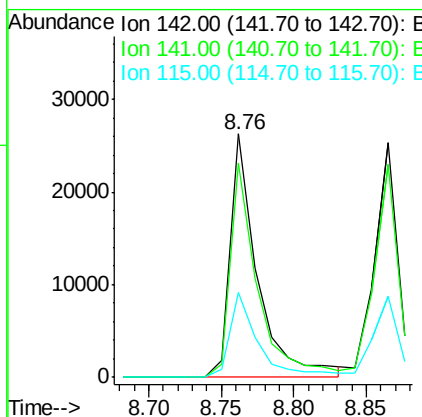
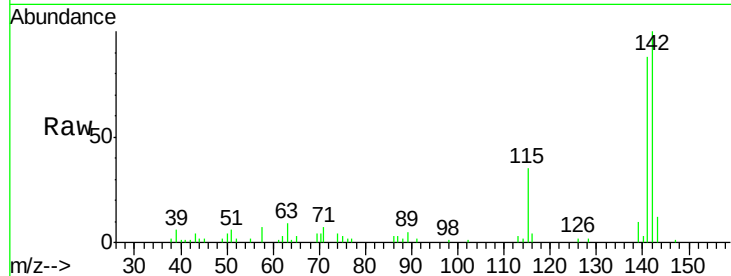




#37  
 2-Methylnaphthalene  
 Concen: 2.01 ng  
 RT: 8.76 min Scan# 584  
 Delta R.T. -0.05 min  
 Lab File: BF086561.D  
 Acq: 1 May 2016 9:57

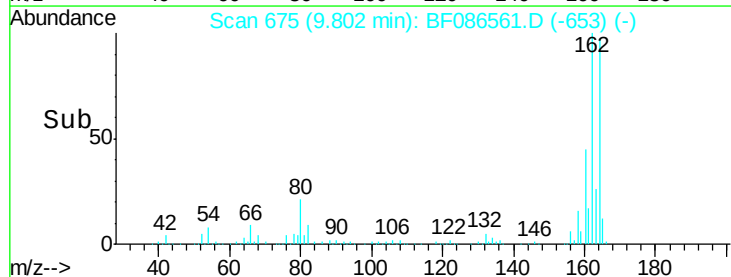
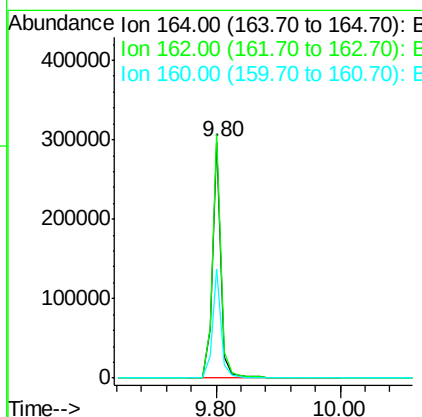
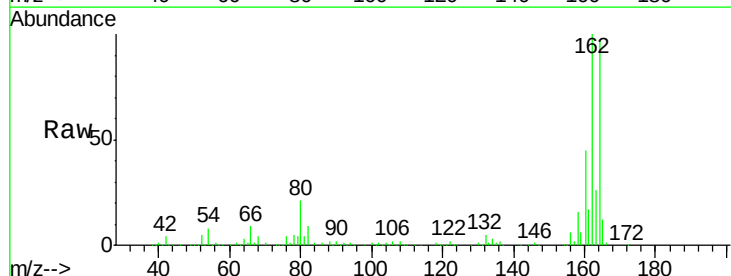
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-B2COMP

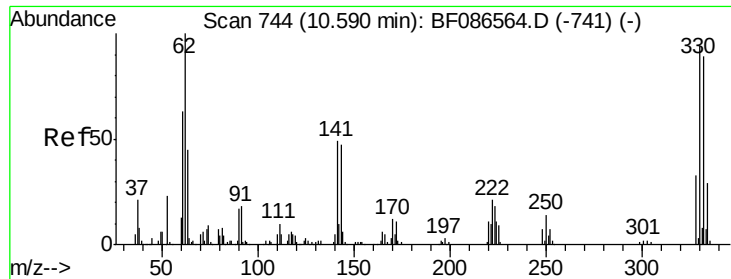
Tot Ion:142 Resp: 34412  
 Ion Ratio Lower Upper  
 142 100  
 141 87.8 71.0 106.6  
 115 34.8 26.6 39.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.05 min  
 Lab File: BF086561.D  
 Acq: 1 May 2016 9:57

Tgt Ion:164 Resp: 281250  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 82.8 124.2  
 160 46.4 36.9 55.3

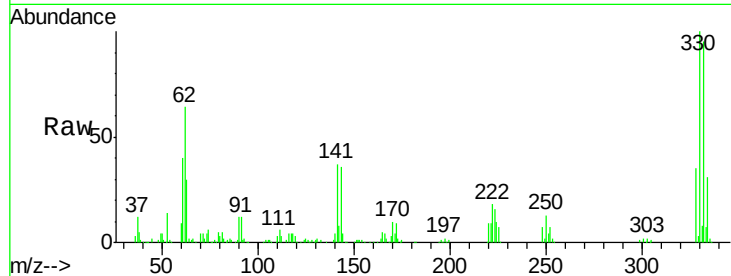




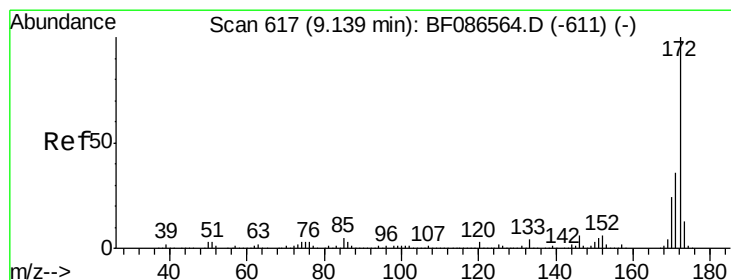
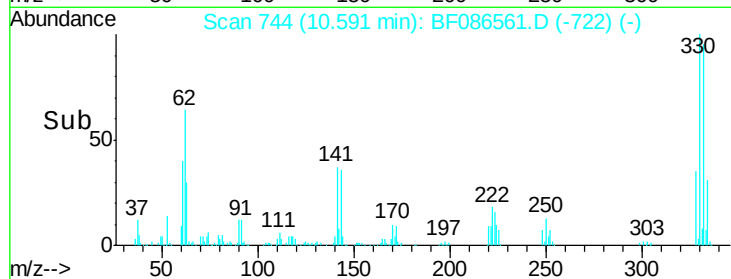
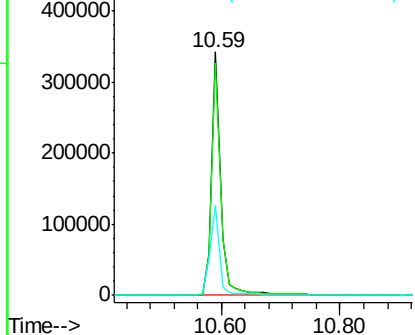
#41  
 2,4,6-Tribromophenol  
 Concen: 125.26 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.05 min  
 Lab File: BF086561.D  
 Acq: 1 May 2016 9:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-B2COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 79.0  | 118.4 |
| 141     | 39.7  | 31.2  | 46.8  |

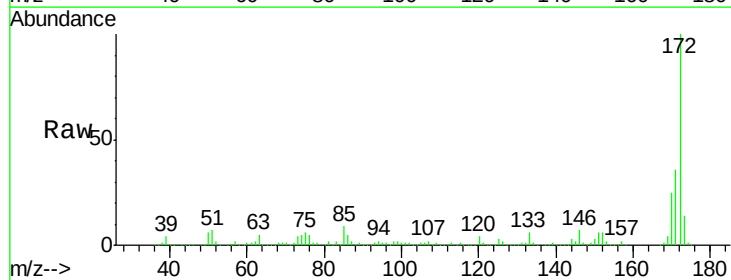


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

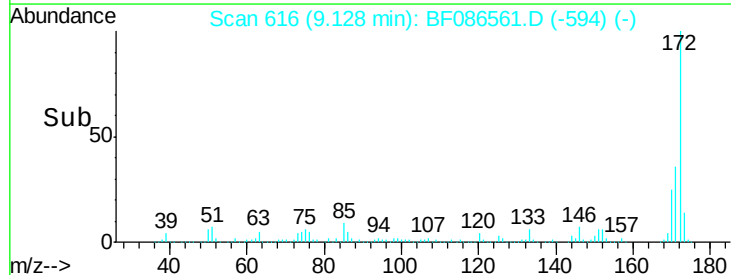
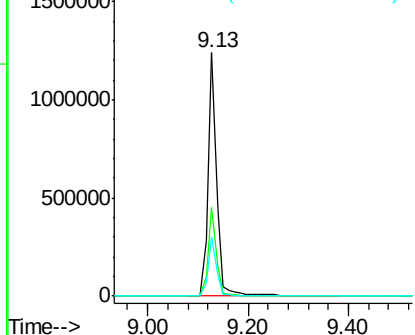


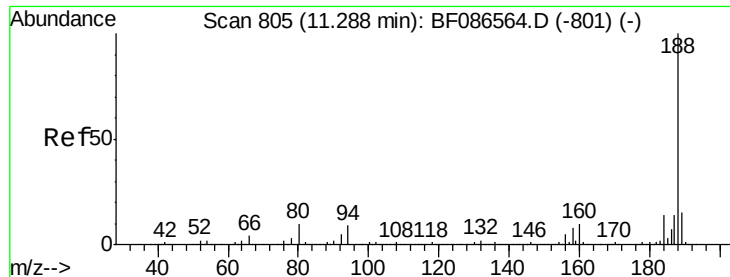
#44  
 2-Fluorobiphenyl  
 Concen: 94.91 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.05 min  
 Lab File: BF086561.D  
 Acq: 1 May 2016 9:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.0  | 43.6  |
| 170     | 24.6  | 19.8  | 29.8  |



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

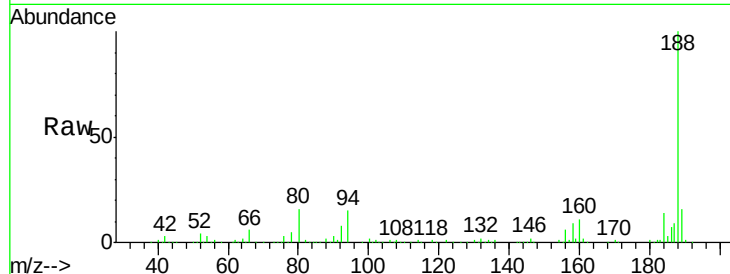




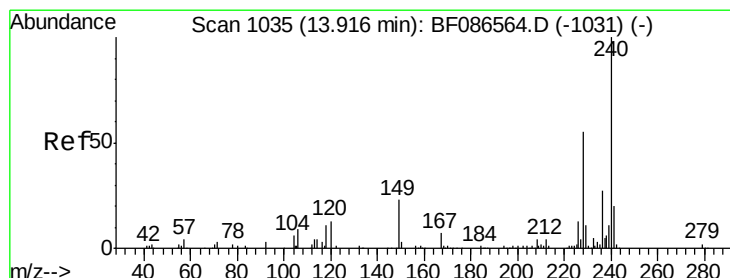
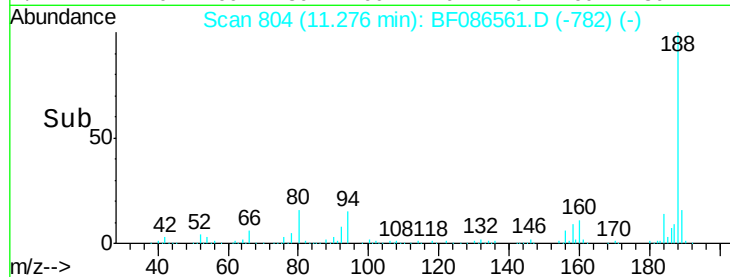
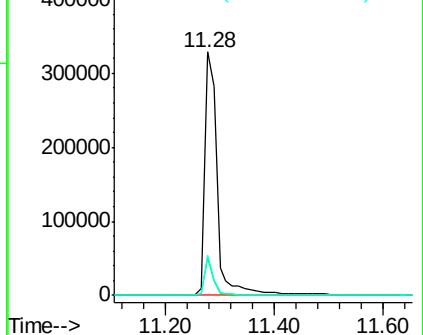
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.28 min Scan# 804  
Delta R.T. -0.05 min  
Lab File: BF086561.D  
Acq: 1 May 2016 9:57

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-B2COMP

Tot Ion:188 Resp: 517557  
Ion Ratio Lower Upper  
188 100  
94 15.4 6.8 10.2#  
80 16.3 7.1 10.7#

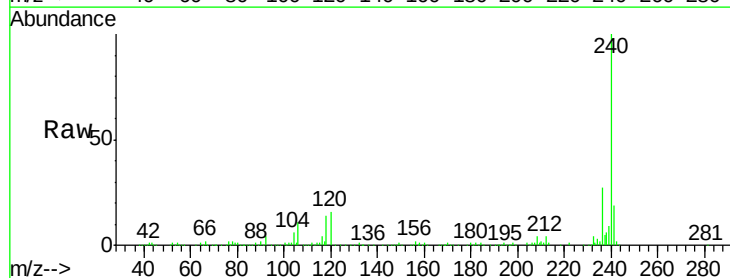


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

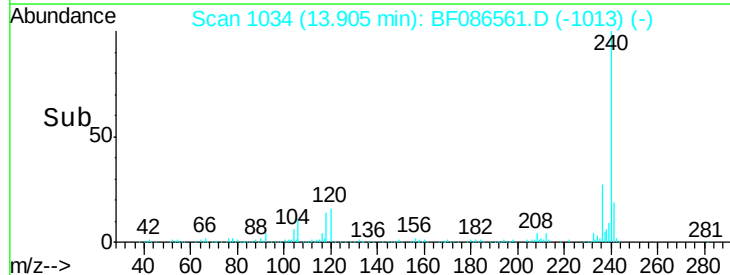
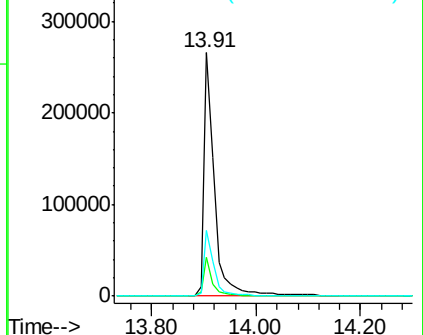


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.91 min Scan# 1034  
Delta R.T. -0.06 min  
Lab File: BF086561.D  
Acq: 1 May 2016 9:57

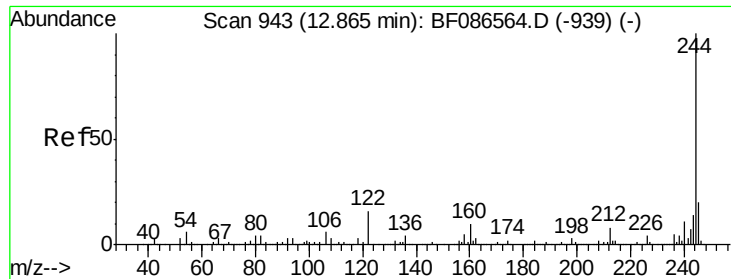
Tgt Ion:240 Resp: 375024  
Ion Ratio Lower Upper  
240 100  
120 16.0 11.2 16.8  
236 26.8 21.2 31.8



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



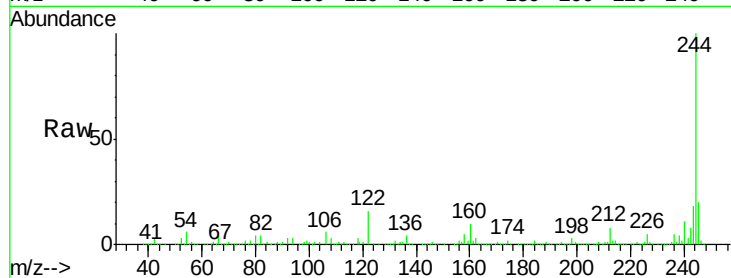




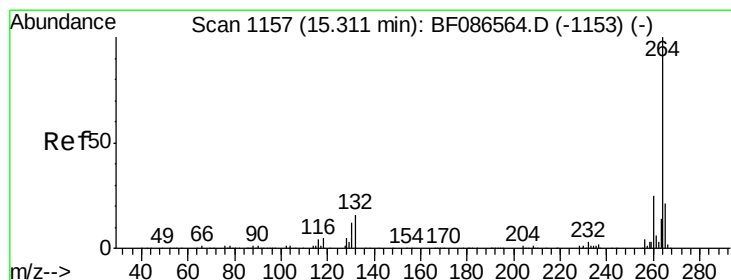
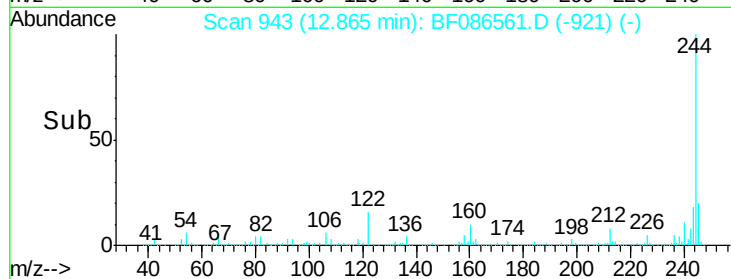
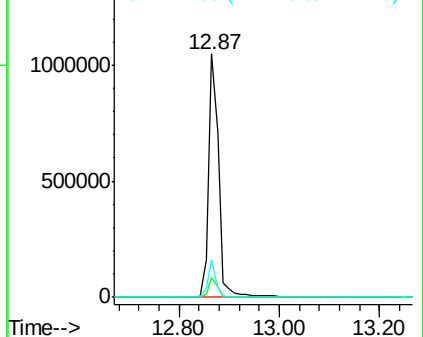
#78  
 Terphenyl-d14  
 Concen: 85.66 ng  
 RT: 12.87 min Scan# 943  
 Delta R.T. -0.05 min  
 Lab File: BF086561.D  
 Acq: 1 May 2016 9:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-B2COMP

Tot Ion:244 Resp: 1458069  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.2 9.2  
 122 15.7 12.0 18.0

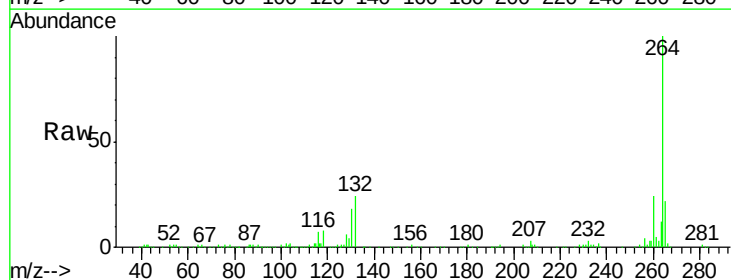


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.06 min  
 Lab File: BF086561.D  
 Acq: 1 May 2016 9:57

Tgt Ion:264 Resp: 320889  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.5 29.3  
 265 21.7 17.3 25.9



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

