

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF043016\  
 Data File : BF086518.D  
 Acq On : 30 Apr 2016 12:37  
 Operator : UM/SJ  
 Sample : PB90117BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90117BL

Quant Time: May 01 03:51:13 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun May 01 01:17:37 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 126086   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.05  | 136  | 583728   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.80  | 164  | 274370   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.29 | 188  | 552476   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.92 | 240  | 498300   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.31 | 264  | 390632   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 1073870  | 146.91 | ng    | 0.01     |
| 7) Phenol-d6                | 6.41  | 99   | 1363894  | 133.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 901673   | 83.26  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 335047   | 115.80 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1392818  | 89.95  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.88 | 244  | 1589850  | 70.29  | ng    | 0.00     |

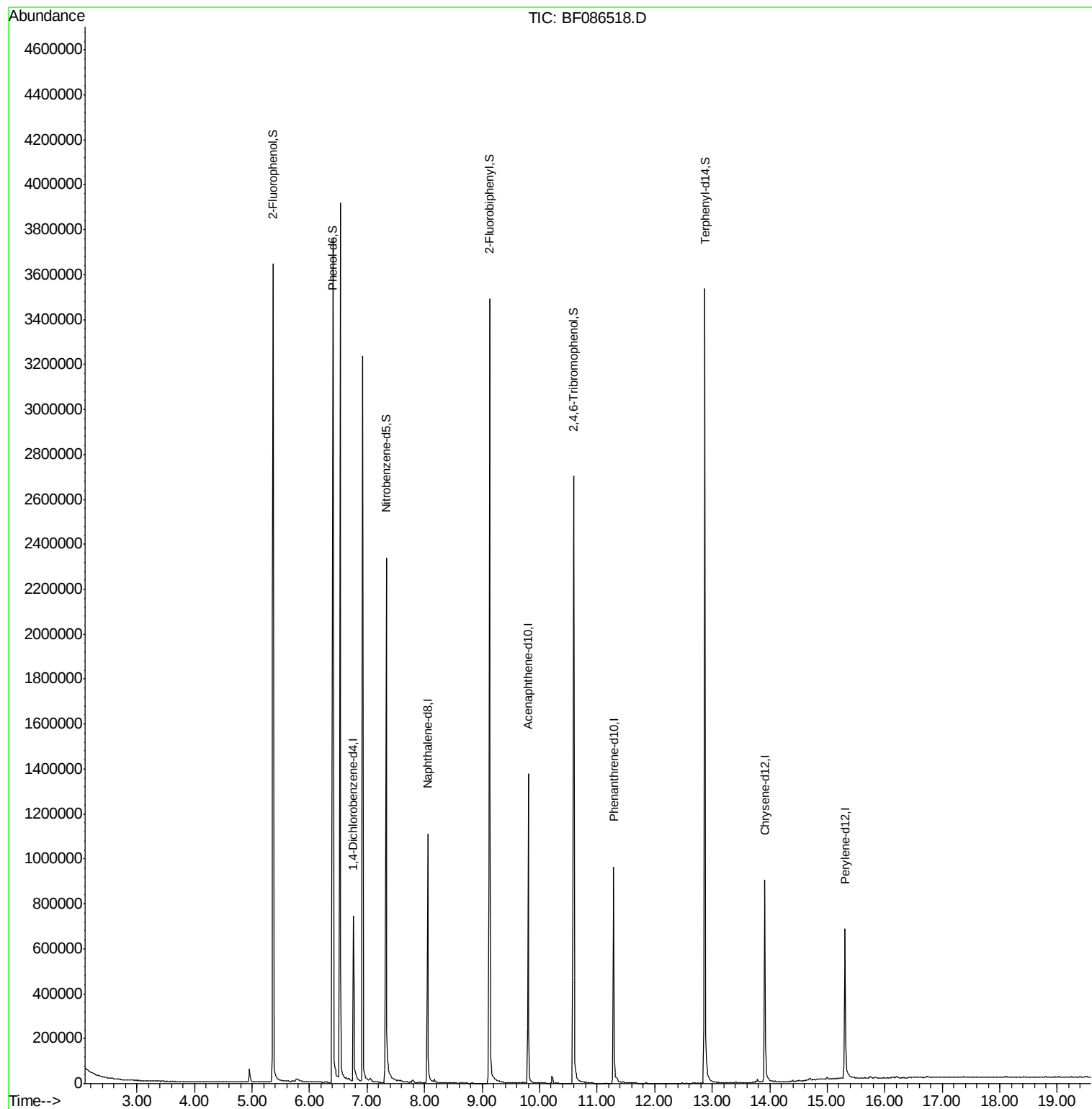
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

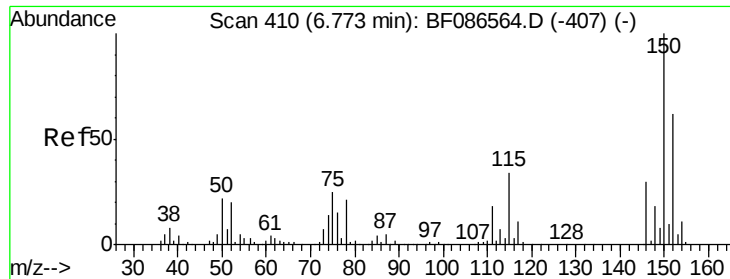
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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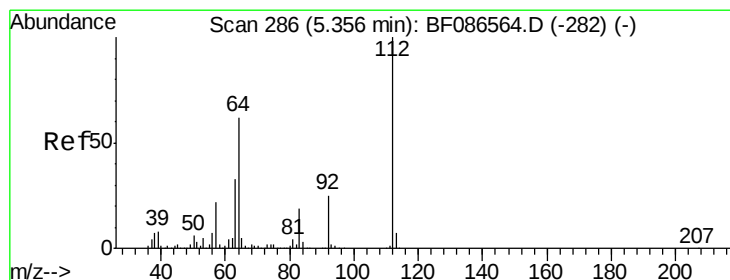
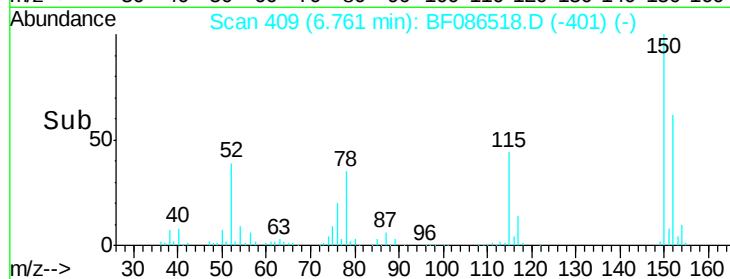
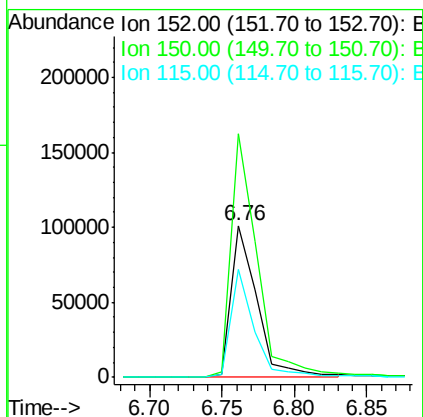
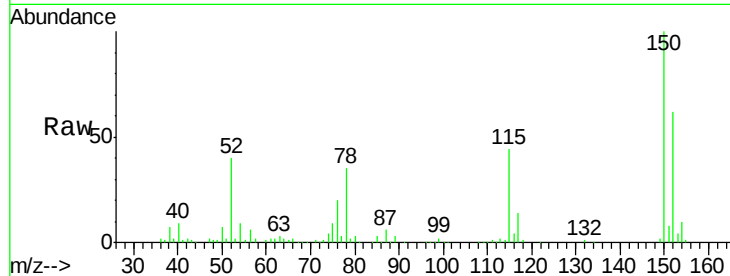




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.76 min Scan# 409  
 Delta R.T. -0.01 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

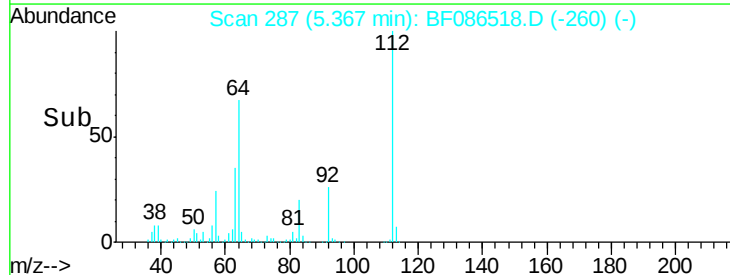
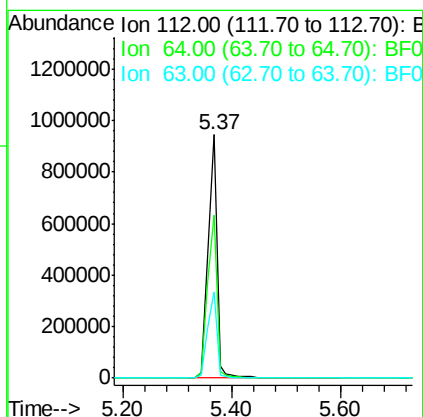
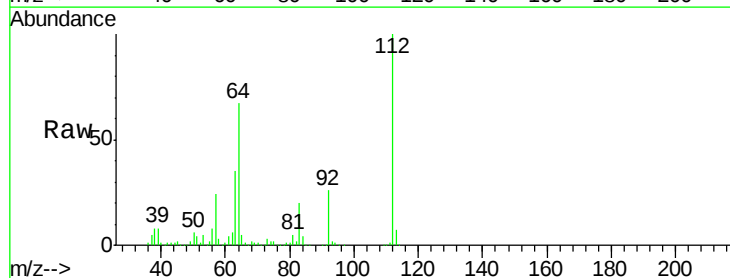
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90117BL

Tgt Ion:152 Resp: 126086  
 Ion Ratio Lower Upper  
 152 100  
 150 160.7 125.8 188.6  
 115 71.4 51.5 77.3



#5  
 2-Fluorophenol  
 Concen: 146.91 ng  
 RT: 5.37 min Scan# 287  
 Delta R.T. 0.01 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

Tgt Ion:112 Resp: 1073870  
 Ion Ratio Lower Upper  
 112 100  
 64 66.8 52.1 78.1  
 63 35.3 25.7 38.5





#7

Phenol-d6

Concen: 133.69 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF086518.D

Acq: 30 Apr 2016 12:37

Instrument :

BNA\_F

ClientSampleId :

PB90117BL

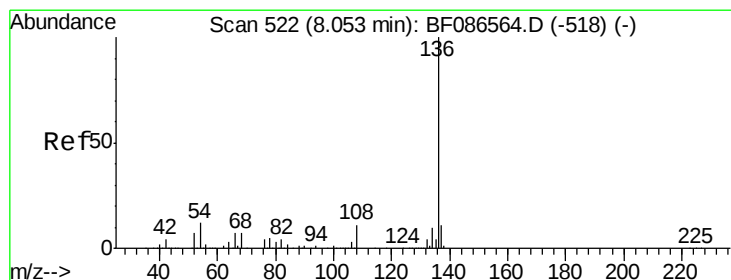
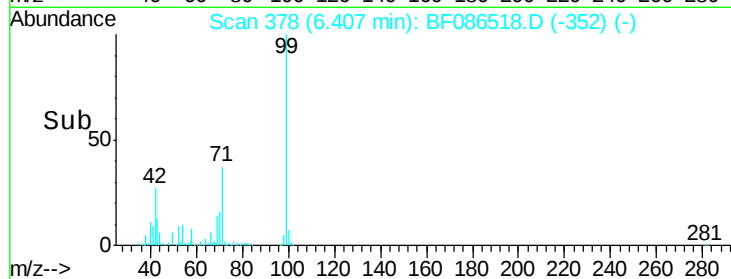
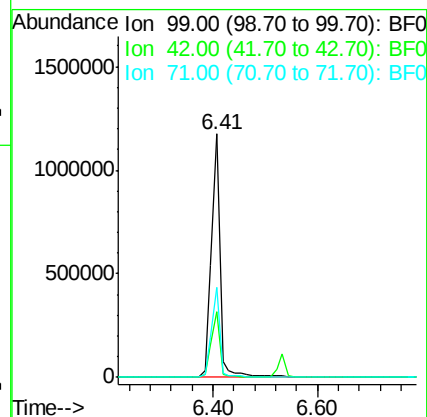
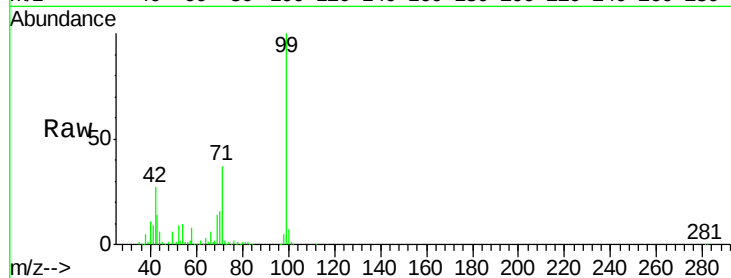
Tgt Ion: 99 Resp: 1363894

Ion Ratio Lower Upper

99 100

42 27.1 13.6 20.4#

71 36.9 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.00 min

Lab File: BF086518.D

Acq: 30 Apr 2016 12:37

Tgt Ion: 136 Resp: 583728

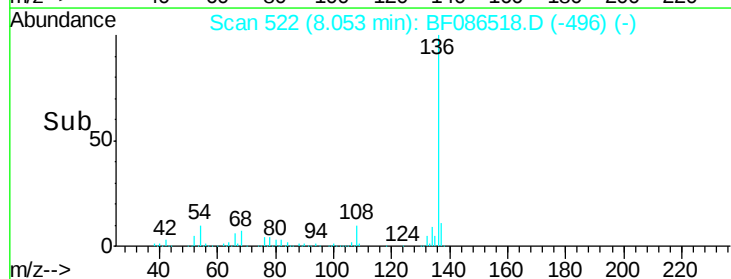
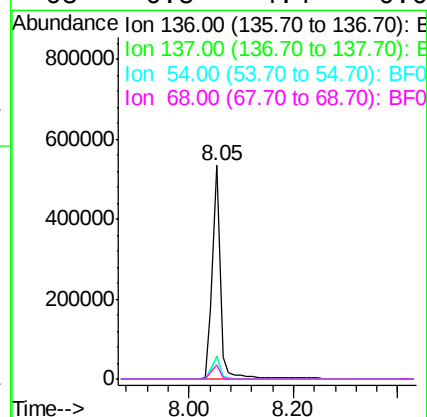
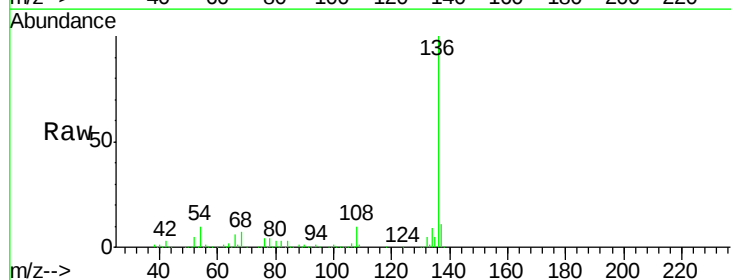
Ion Ratio Lower Upper

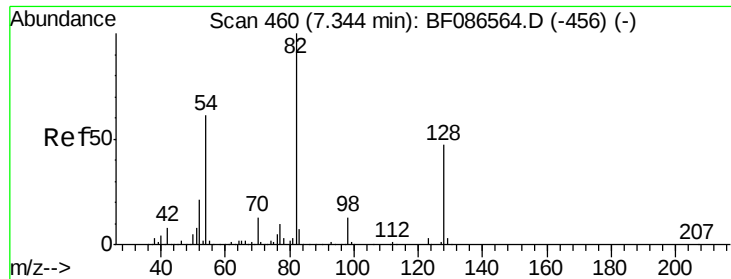
136 100

137 10.8 8.8 13.2

54 10.3 5.0 7.4#

68 6.5 4.4 6.6

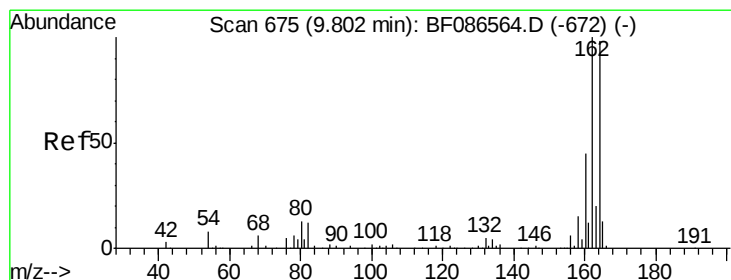
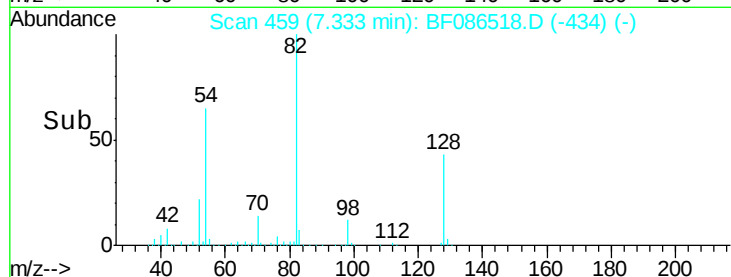
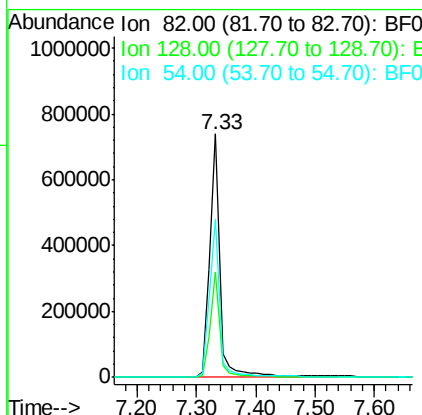
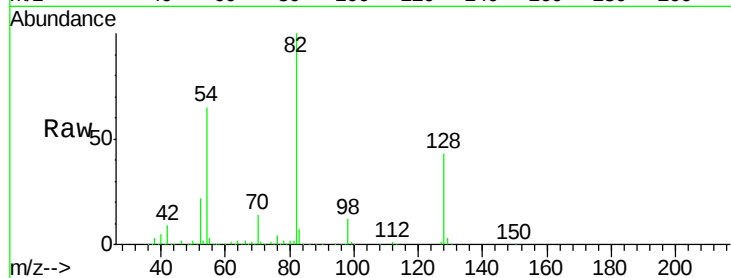




#23  
 Nitrobenzene-d5  
 Concen: 83.26 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

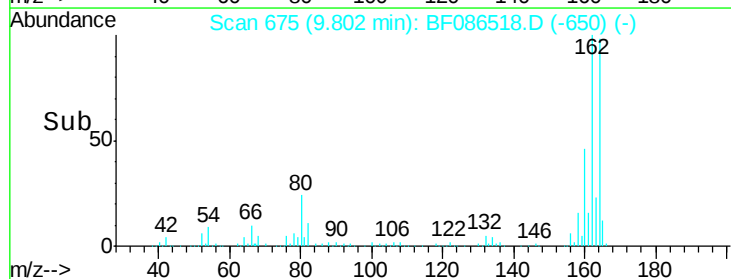
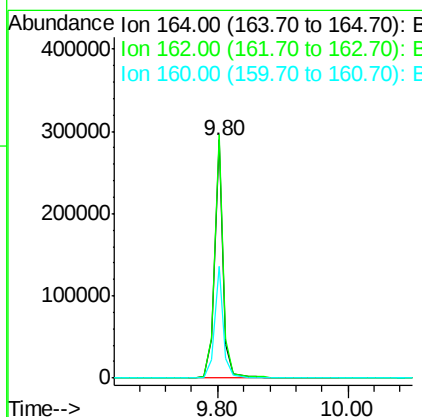
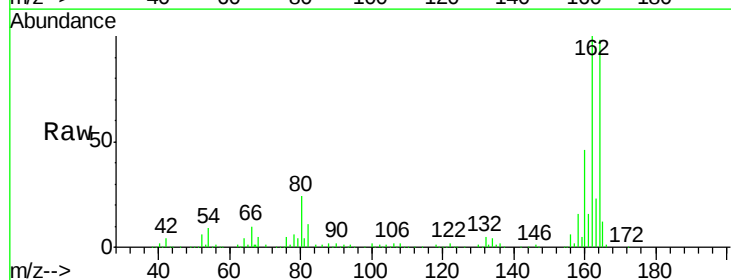
Instrument :  
 BNA\_F  
 ClientSampleID :  
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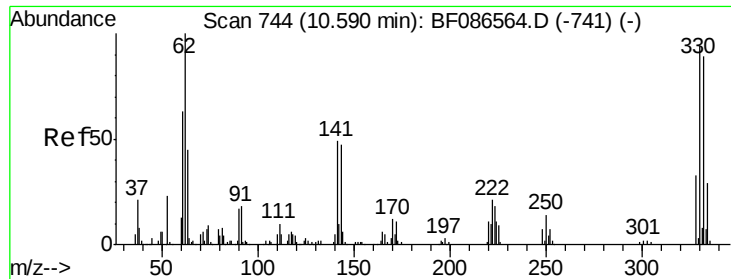
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.3  | 40.6  | 61.0  |
| 54      | 65.1  | 38.1  | 57.1# |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.01 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 82.8  | 124.2 |
| 160     | 46.8  | 36.9  | 55.3  |

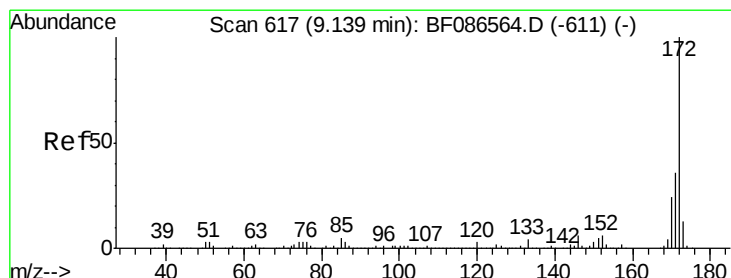
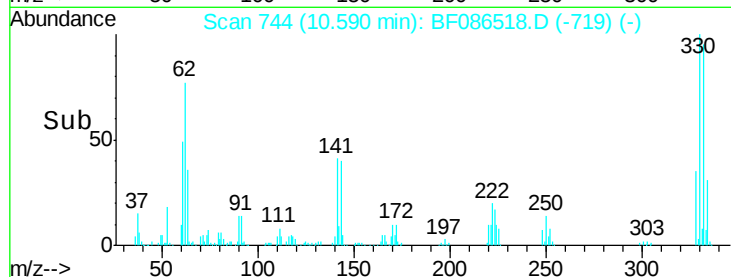
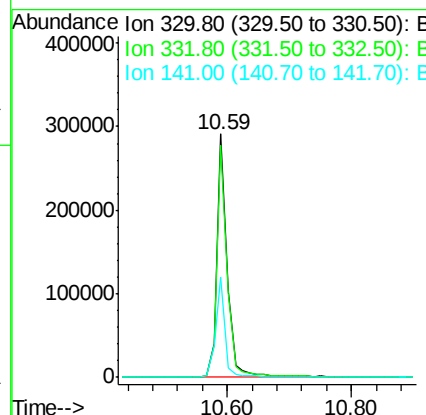
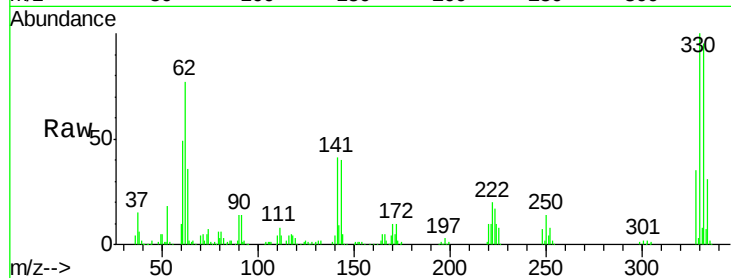




#41  
 2,4,6-Tribromophenol  
 Concen: 115.80 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

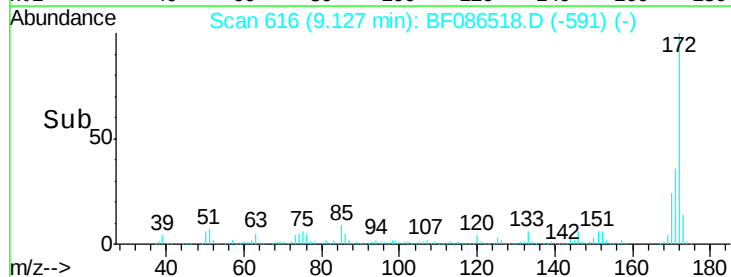
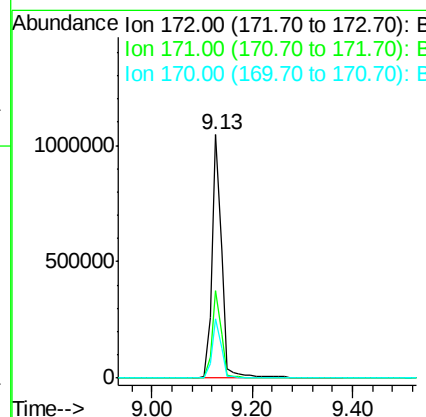
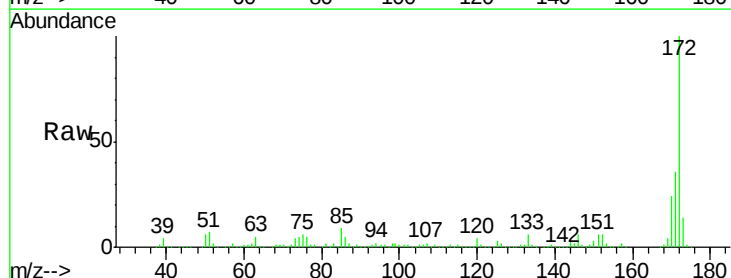
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 ClientSampleId :  
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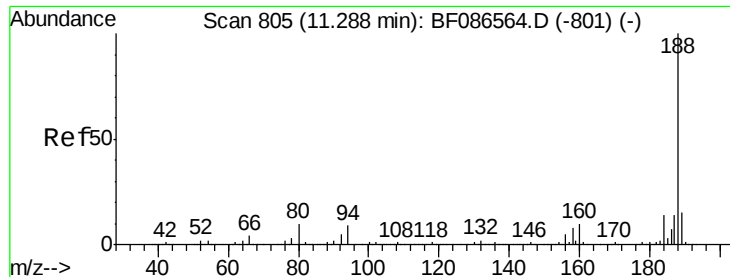
Tgt Ion:330 Resp: 335047  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 79.0 118.4  
 141 38.6 31.2 46.8



#44  
 2-Fluorobiphenyl  
 Concen: 89.95 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

Tgt Ion:172 Resp: 1392818  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.0 43.6  
 170 24.4 19.8 29.8

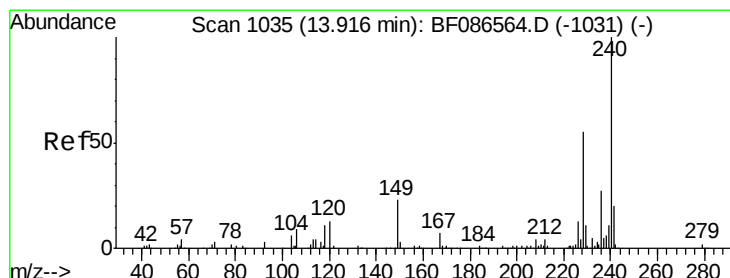
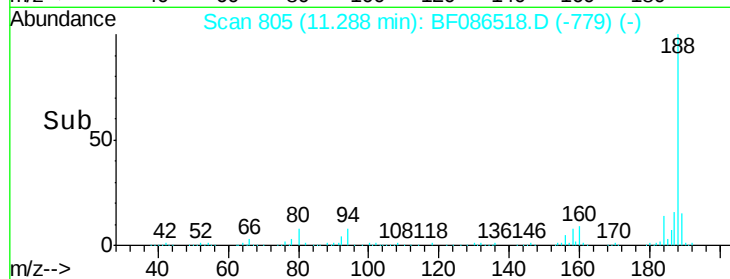
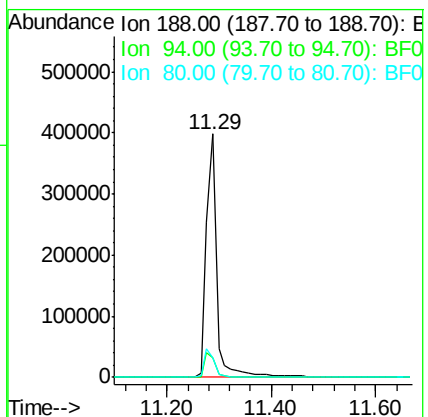
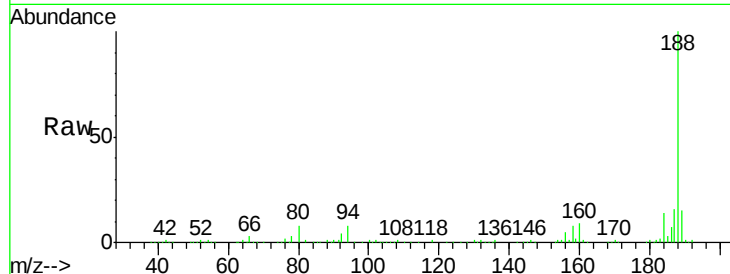




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.29 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: BF086518.D  
Acq: 30 Apr 2016 12:37

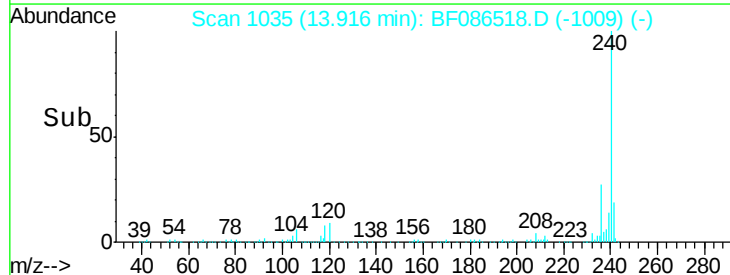
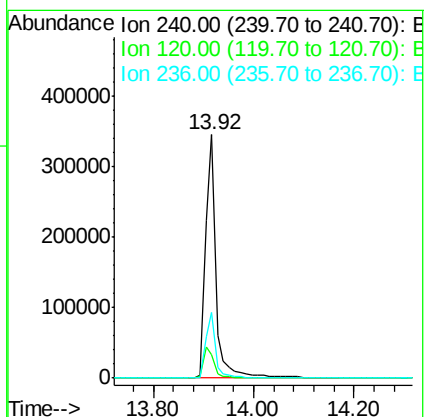
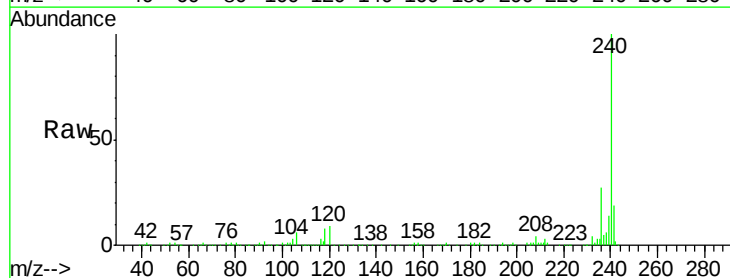
Instrument :  
BNA\_F  
ClientSampled :  
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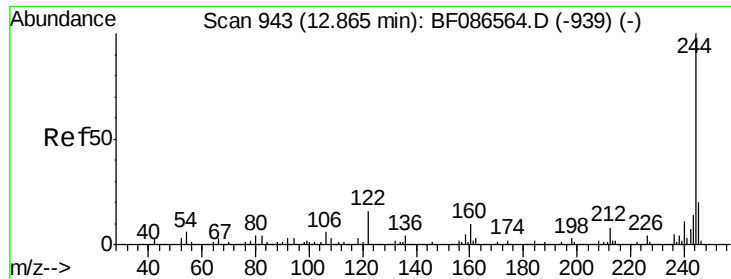
Tgt Ion:188 Resp: 552476  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.8 10.2  
80 8.2 7.1 10.7



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.92 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: BF086518.D  
Acq: 30 Apr 2016 12:37

Tgt Ion:240 Resp: 498300  
Ion Ratio Lower Upper  
240 100  
120 9.5 11.2 16.8#  
236 26.9 21.2 31.8

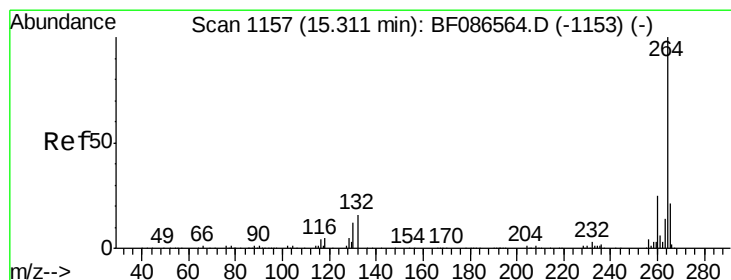
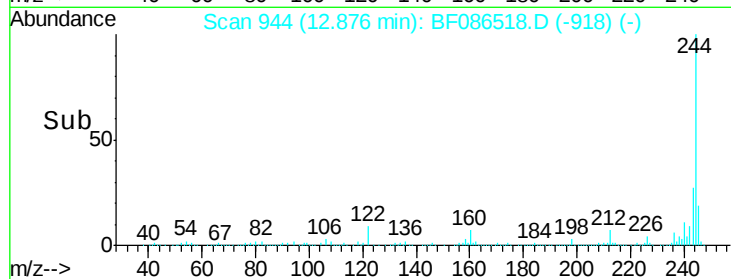
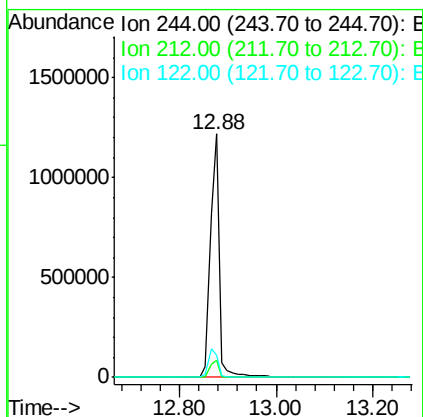
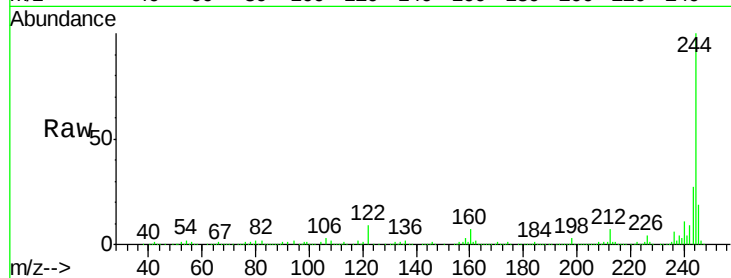




#78  
 Terphenyl-d14  
 Concen: 70.29 ng  
 RT: 12.88 min Scan# 944  
 Delta R.T. -0.00 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB90117BL

Tgt Ion:244 Resp: 1589850  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.2 9.2  
 122 9.2 12.0 18.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.31 min Scan# 1157  
 Delta R.T. -0.00 min  
 Lab File: BF086518.D  
 Acq: 30 Apr 2016 12:37

Tgt Ion:264 Resp: 390632  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.5 29.3  
 265 21.2 17.3 25.9

