

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073115\  
 Data File : BF080731.D  
 Acq On : 31 Jul 2015 13:34  
 Operator : TP/UM  
 Sample : PB84695BL  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84695BL

Quant Time: Aug 01 01:16:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF073015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 31 01:45:22 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 153279   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 582897   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 269664   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.37 | 188  | 580007   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.00 | 240  | 368252   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.41 | 264  | 298904   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1072043  | 119.98 | ng    | 0.02     |
| 7) Phenol-d6                | 6.48  | 99   | 1415221  | 116.34 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 944963   | 78.51  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 358076   | 127.97 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 1555786  | 86.07  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.96 | 244  | 1620598  | 83.23  | ng    | 0.00     |

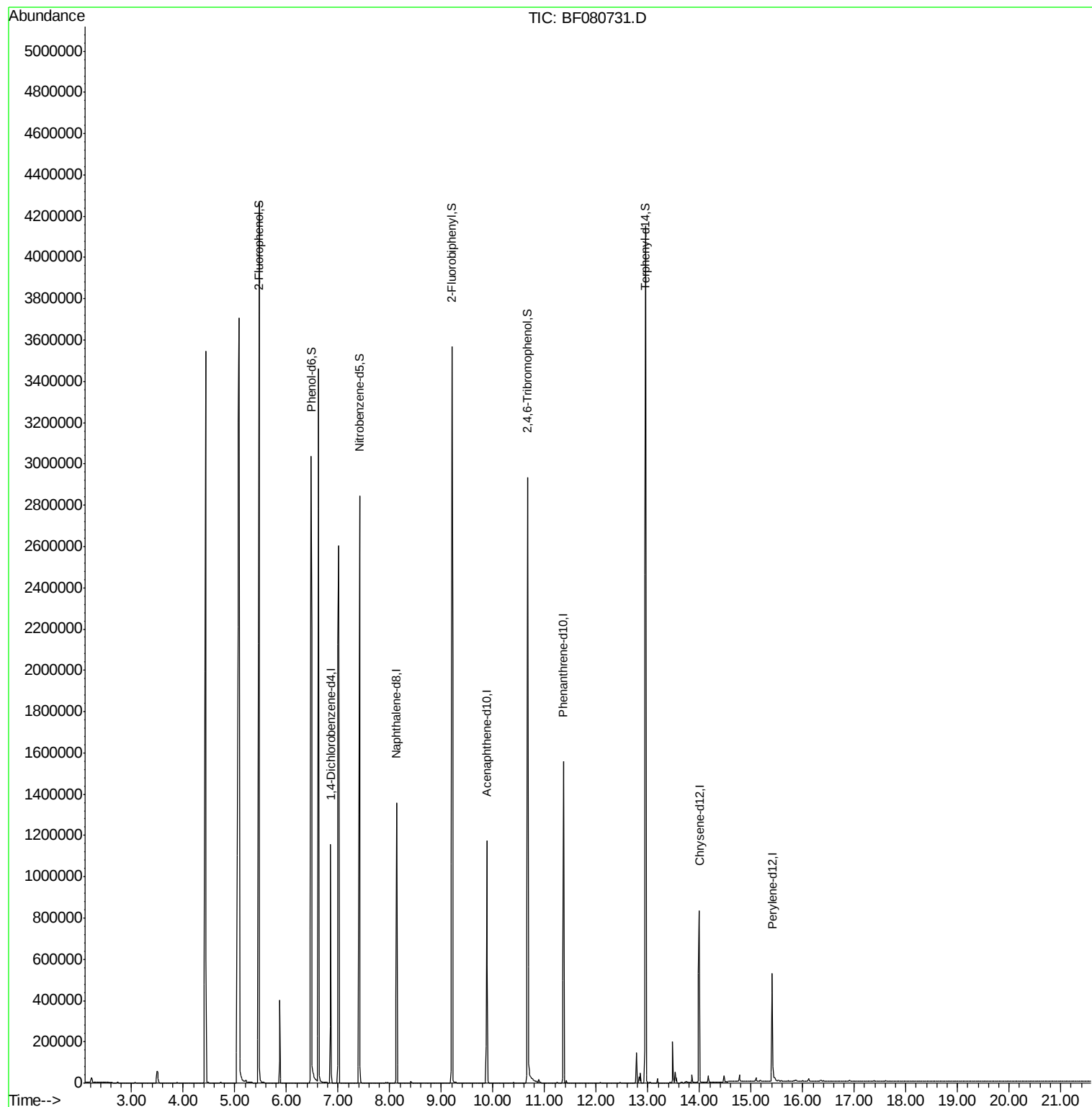
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

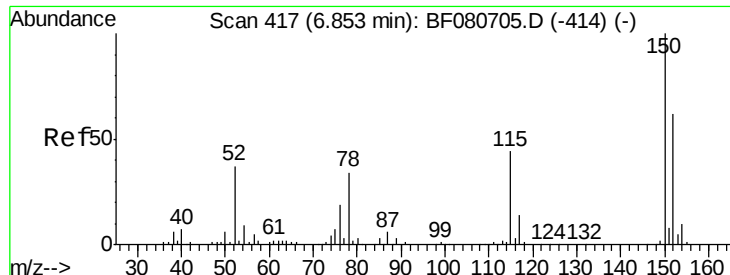
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 31 01:45:22 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080731.D

Acq: 31 Jul 2015 13:34

Instrument :

BNA\_F

ClientSampleId :

PB84695BL

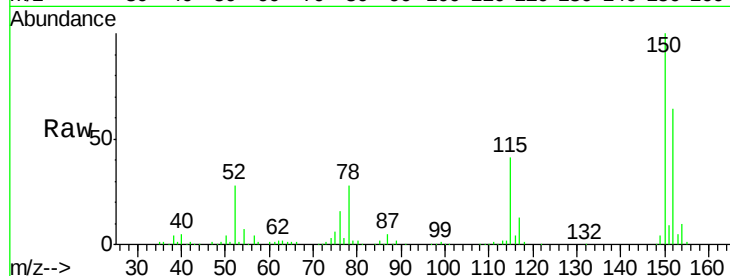
Tgt Ion:152 Resp: 153279

Ion Ratio Lower Upper

152 100

150 156.6 129.6 194.4

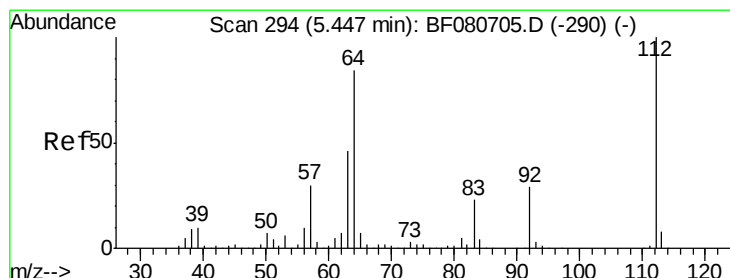
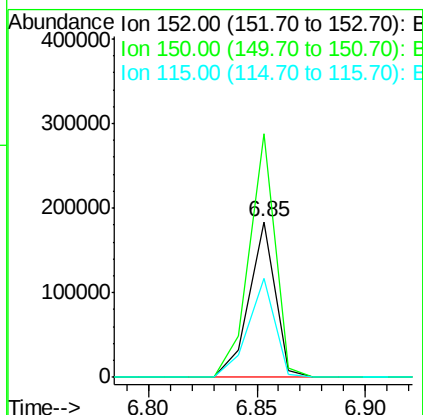
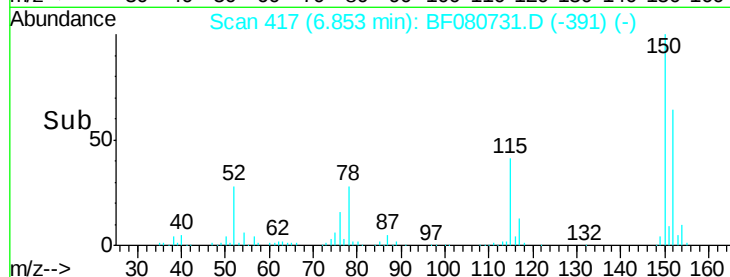
115 63.5 56.6 85.0



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: 119.98 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.02 min

Lab File: BF080731.D

Acq: 31 Jul 2015 13:34

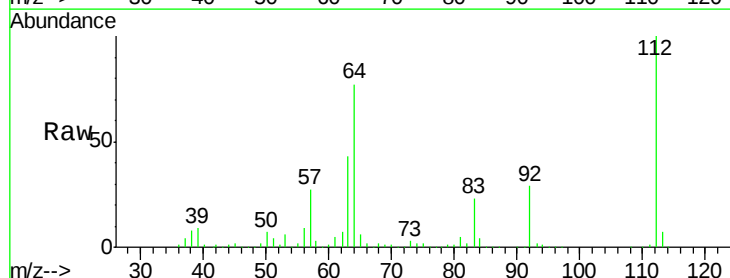
Tgt Ion:112 Resp: 1072043

Ion Ratio Lower Upper

112 100

64 76.6 66.8 100.2

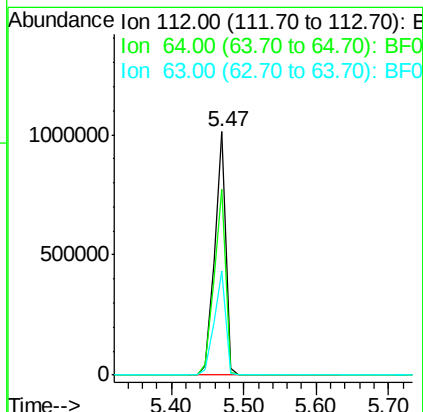
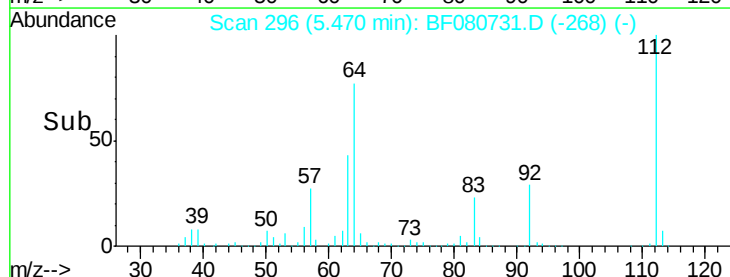
63 42.9 36.7 55.1

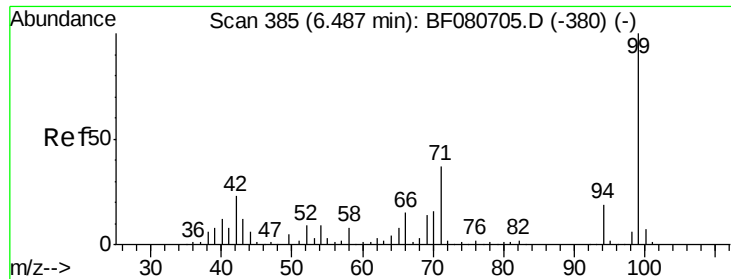


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.34 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080731.D

Acq: 31 Jul 2015 13:34

Instrument :

BNA\_F

ClientSampleId :

PB84695BL

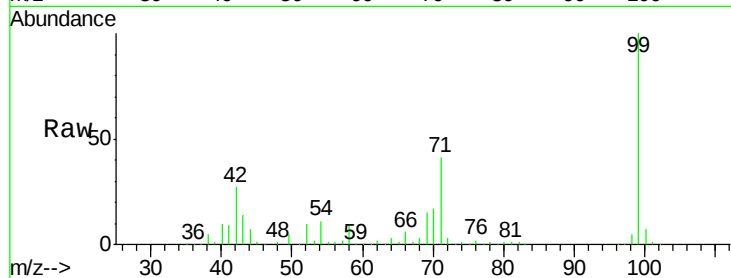
Tgt Ion: 99 Resp: 1415221

Ion Ratio Lower Upper

99 100

42 26.8 18.2 27.2

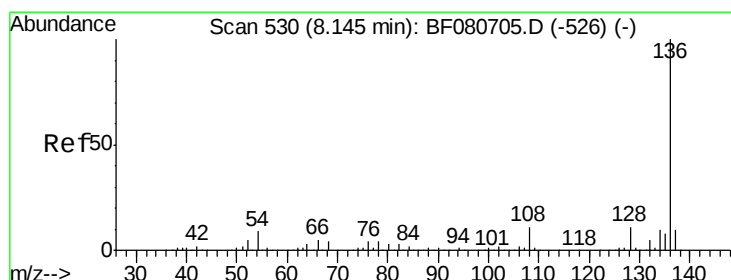
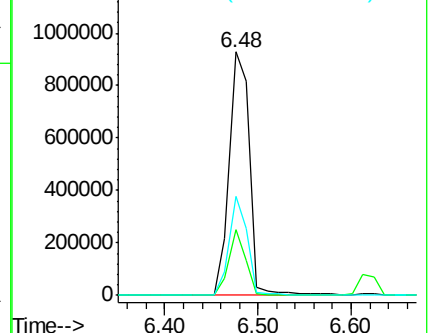
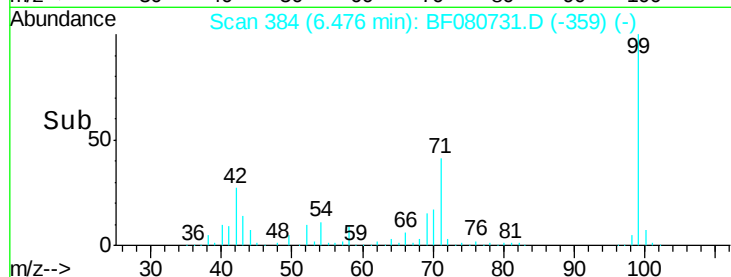
71 40.6 29.5 44.3



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: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080731.D

Acq: 31 Jul 2015 13:34

Tgt Ion: 136 Resp: 582897

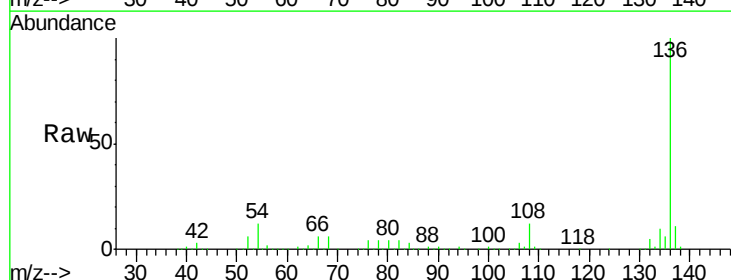
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 11.7 6.9 10.3#

68 5.8 3.5 5.3#

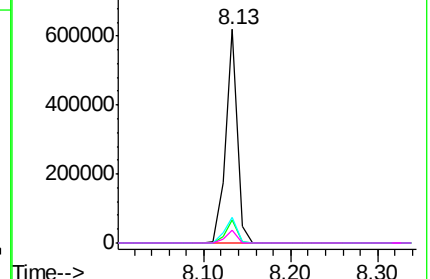
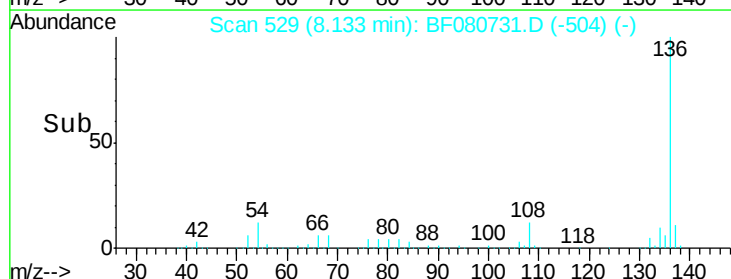


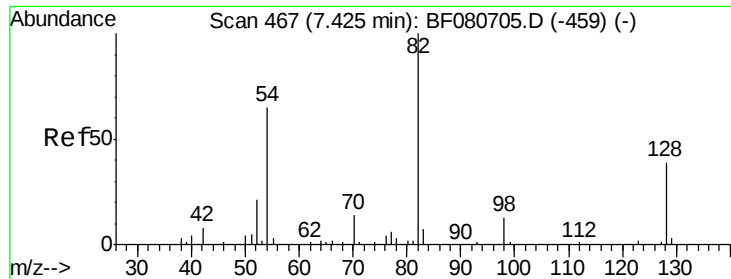
Abundance Ion 136.00 (135.70 to 136.70): E

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

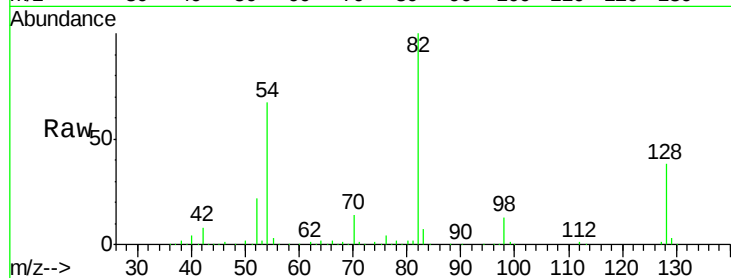




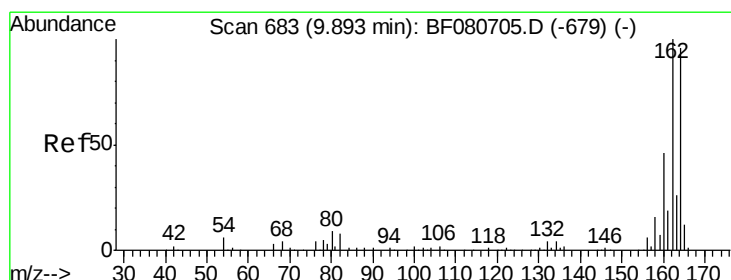
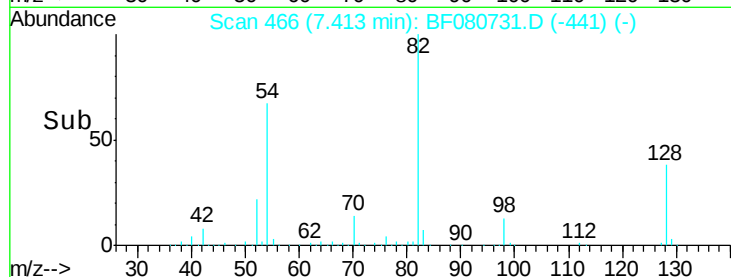
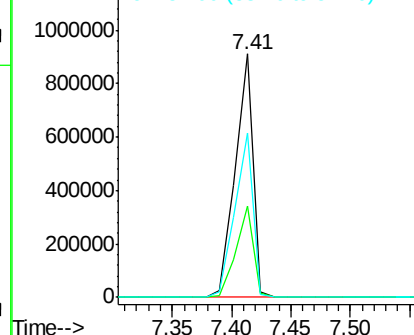
#23  
 Nitrobenzene-d5  
 Concen: 78.51 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. -0.01 min  
 Lab File: BF080731.D  
 Acq: 31 Jul 2015 13:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84695BL

Tgt Ion: 82 Resp: 944963  
 Ion Ratio Lower Upper  
 82 100  
 128 37.6 31.5 47.3  
 54 67.4 51.8 77.8

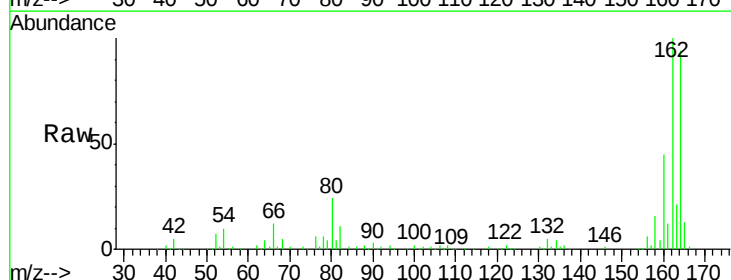


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

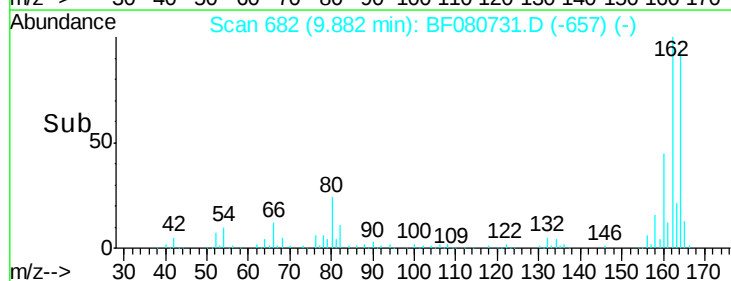
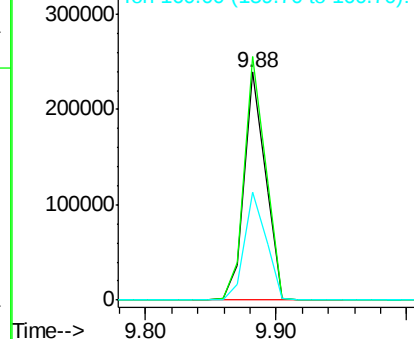


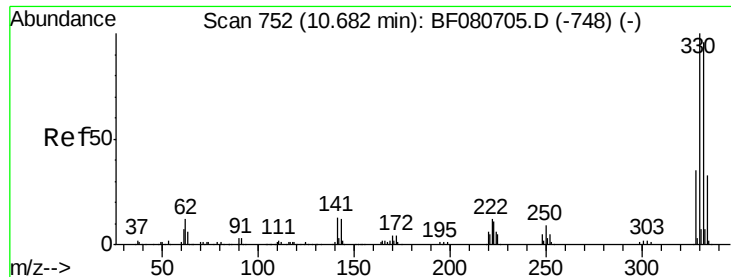
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF080731.D  
 Acq: 31 Jul 2015 13:34

Tgt Ion: 164 Resp: 269664  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 83.4 125.0  
 160 47.6 38.0 57.0



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

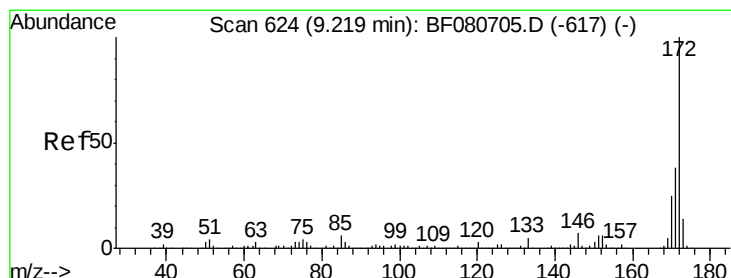
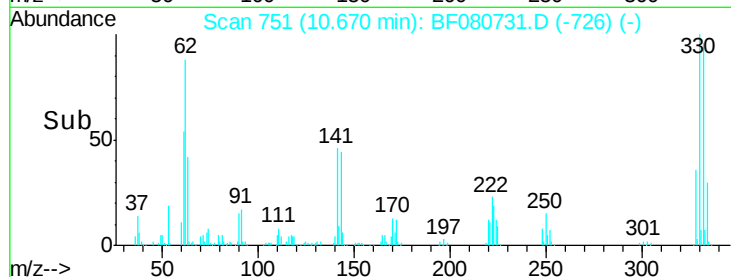
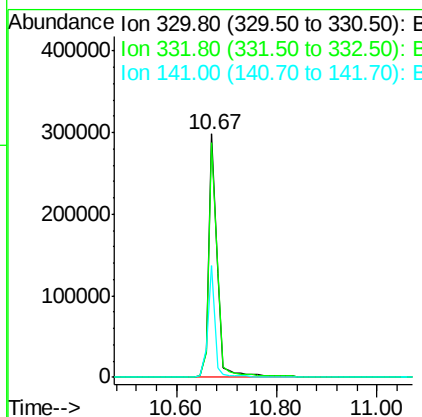
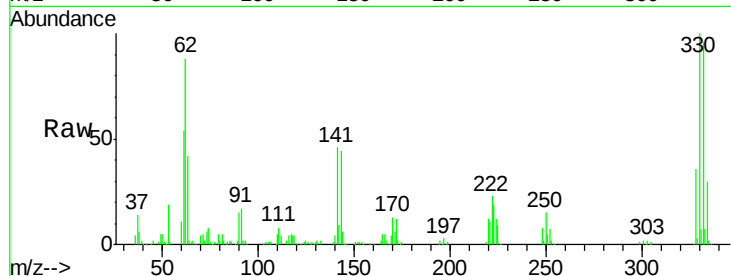




#41  
 2,4,6-Tribromophenol  
 Concen: 127.97 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF080731.D  
 Acq: 31 Jul 2015 13:34

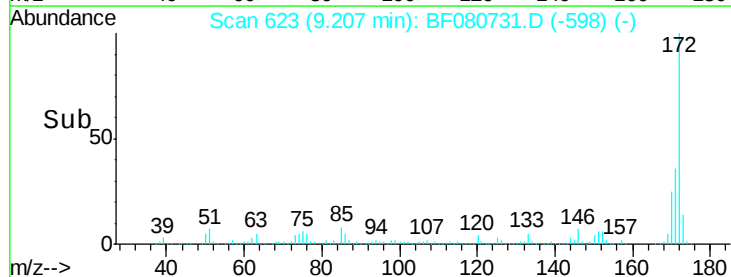
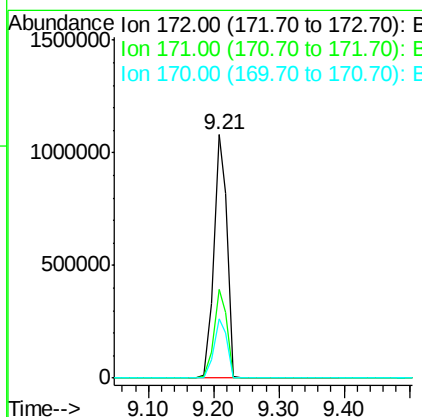
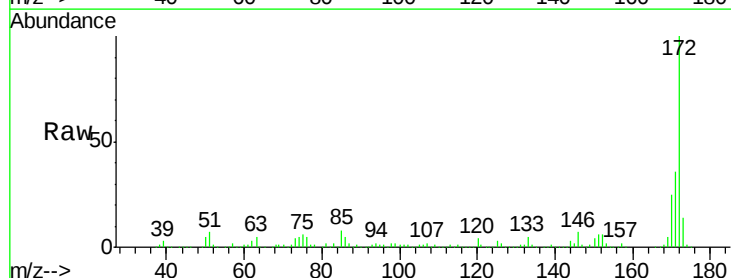
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84695BL

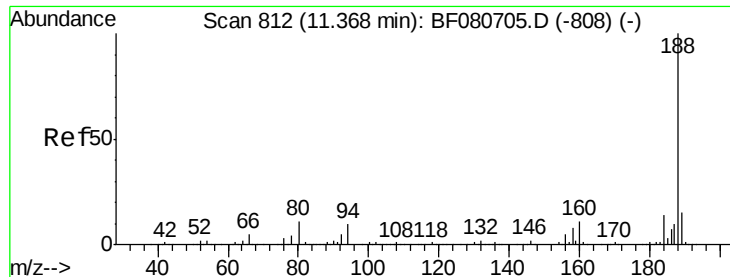
Tgt Ion:330 Resp: 358076  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.6 114.8  
 141 39.3 26.0 39.0#



#44  
 2-Fluorobiphenyl  
 Concen: 86.07 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF080731.D  
 Acq: 31 Jul 2015 13:34

Tgt Ion:172 Resp: 1555786  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 30.2 45.4  
 170 24.6 20.2 30.2

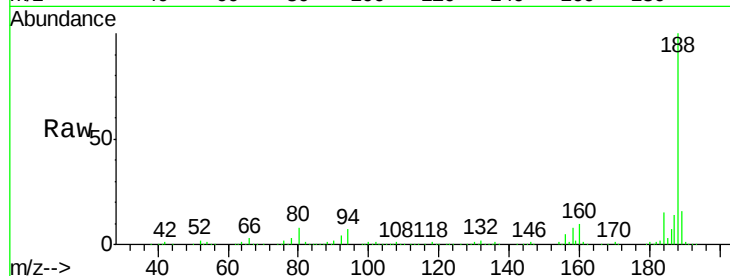




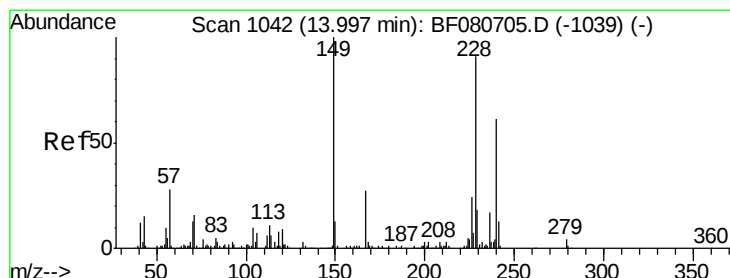
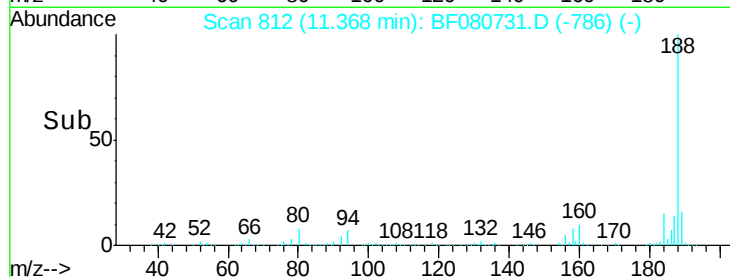
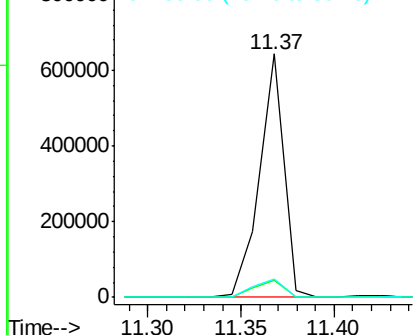
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 812  
Delta R.T. -0.00 min  
Lab File: BF080731.D  
Acq: 31 Jul 2015 13:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB84695BL

Tgt Ion:188 Resp: 580007  
Ion Ratio Lower Upper  
188 100  
94 7.1 8.1 12.1#  
80 7.6 9.1 13.7#

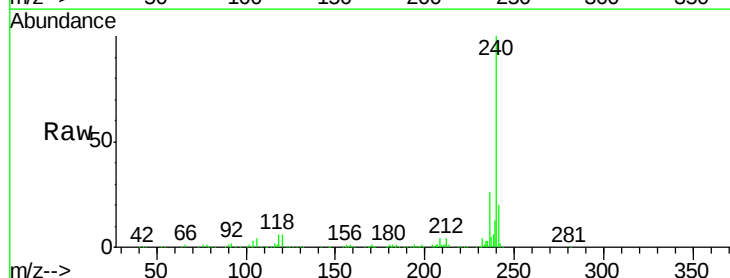


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

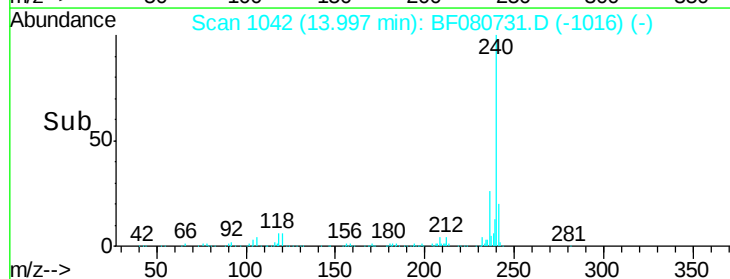
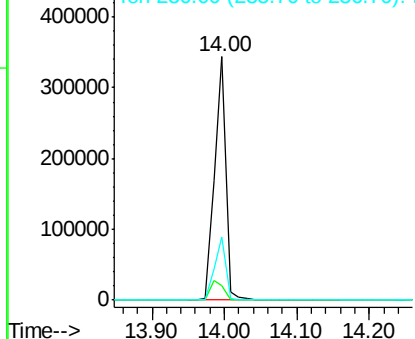


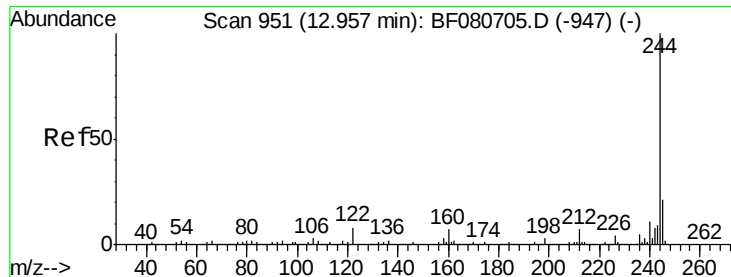
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BF080731.D  
Acq: 31 Jul 2015 13:34

Tgt Ion:240 Resp: 368252  
Ion Ratio Lower Upper  
240 100  
120 6.1 11.8 17.8#  
236 25.7 21.8 32.8



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: 83.23 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF080731.D

Acq: 31 Jul 2015 13:34

Instrument :

BNA\_F

ClientSampleId :

PB84695BL

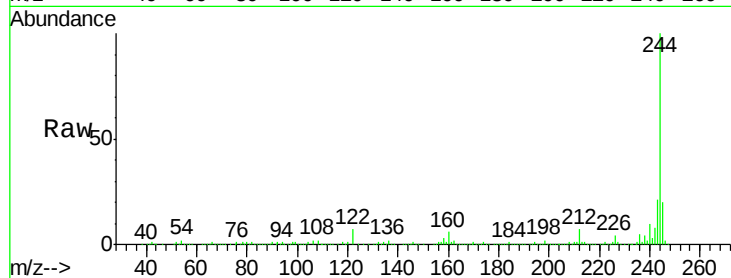
Tgt Ion:244 Resp: 1620598

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

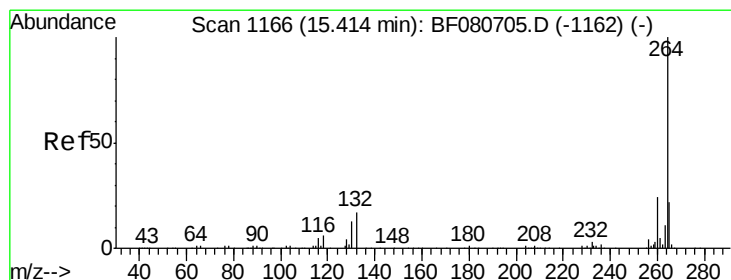
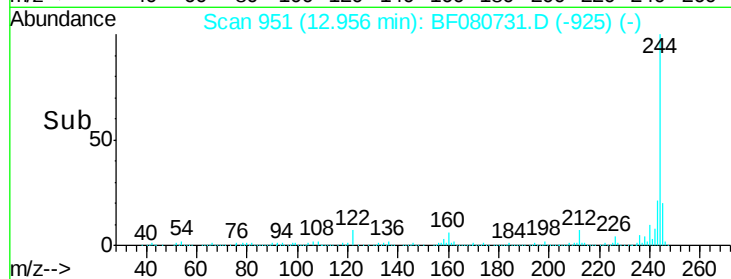
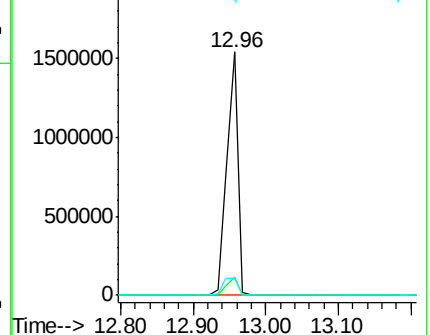
122 7.1 6.6 9.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF080731.D

Acq: 31 Jul 2015 13:34

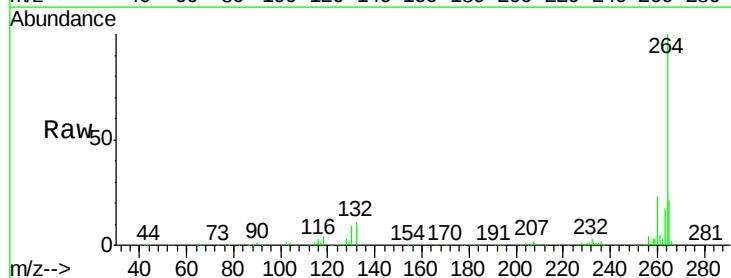
Tgt Ion:264 Resp: 298904

Ion Ratio Lower Upper

264 100

260 22.7 19.4 29.0

265 21.2 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

