

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070815\  
 Data File : BF080389.D  
 Acq On : 8 Jul 2015 15:53  
 Operator : TP/UM  
 Sample : PB84381TB  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84381TB

Quant Time: Jul 09 01:36:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 09 00:53:49 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.21  | 152  | 43605    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.50  | 136  | 163322   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.26 | 164  | 81291    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.77 | 188  | 184504   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.74 | 240  | 197290   | 20.00  | ng    | -0.10    |
| 86) Perylene-d12            | 16.59 | 264  | 170797   | 20.00  | ng    | -0.17    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.81  | 112  | 289404   | 121.55 | ng    | 0.00     |
| 7) Phenol-d6                | 6.82  | 99   | 360193   | 114.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.77  | 82   | 202985   | 72.49  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.06 | 330  | 100583   | 118.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.57  | 172  | 488613   | 81.12  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.46 | 244  | 612455   | 72.41  | ng    | -0.06    |

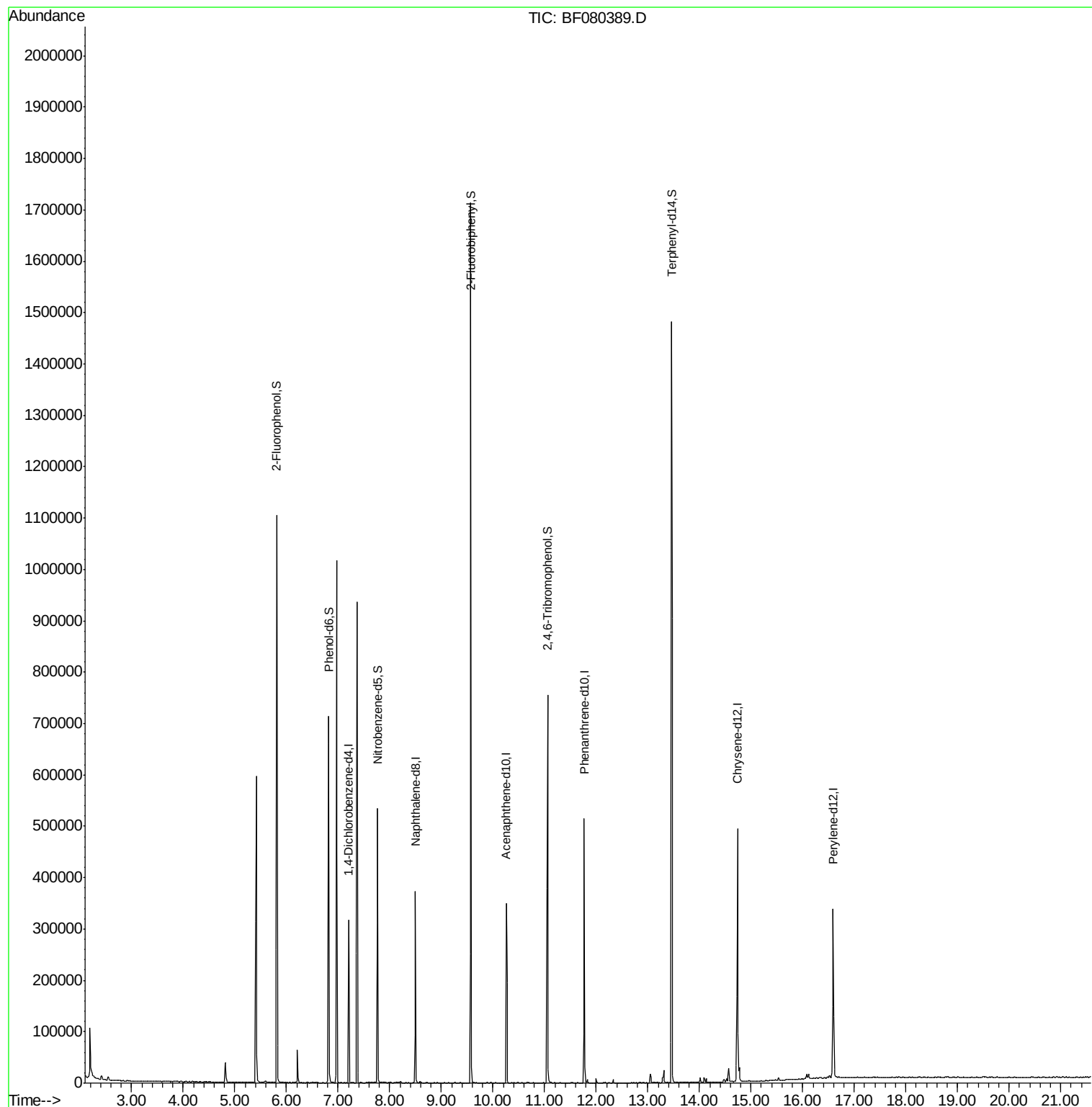
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

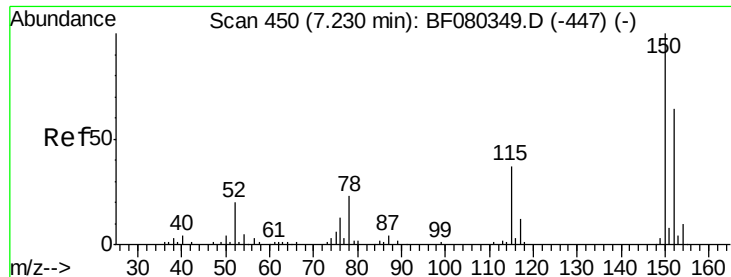
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 09 00:53:49 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF080389.D

Acq: 8 Jul 2015 15:53

Instrument :

BNA\_F

ClientSampleId :

PB84381TB

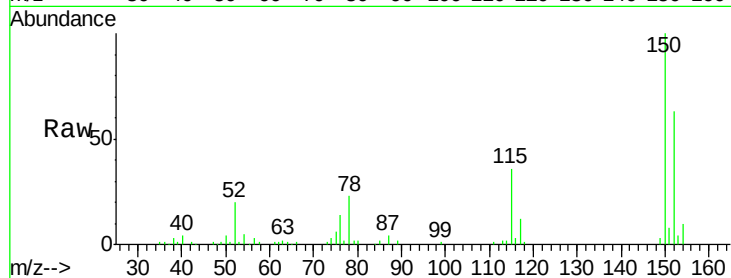
Tgt Ion:152 Resp: 43605

Ion Ratio Lower Upper

152 100

150 157.7 124.7 187.1

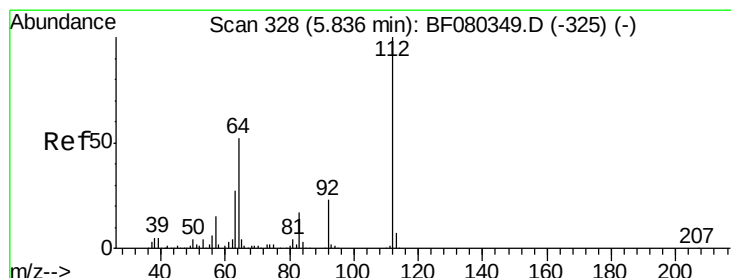
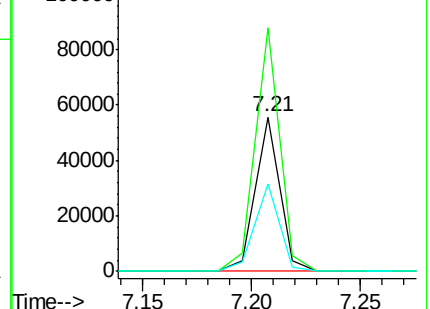
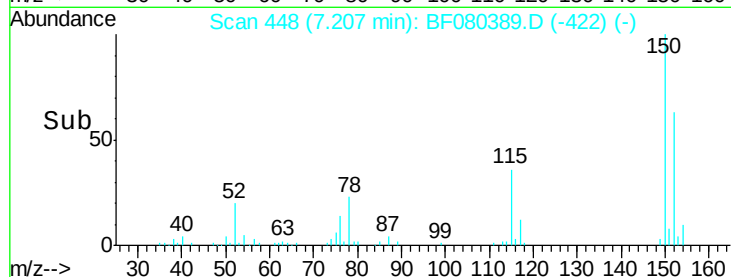
115 56.7 45.7 68.5



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: 121.55 ng

RT: 5.81 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF080389.D

Acq: 8 Jul 2015 15:53

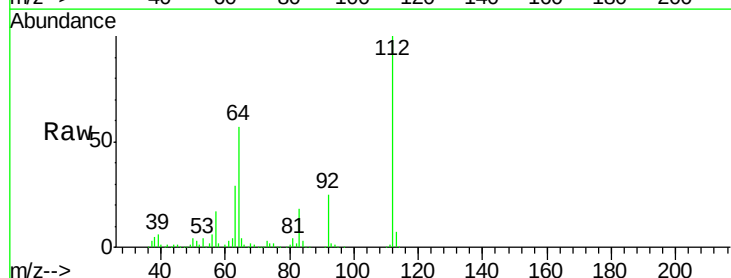
Tgt Ion:112 Resp: 289404

Ion Ratio Lower Upper

112 100

64 57.1 41.8 62.6

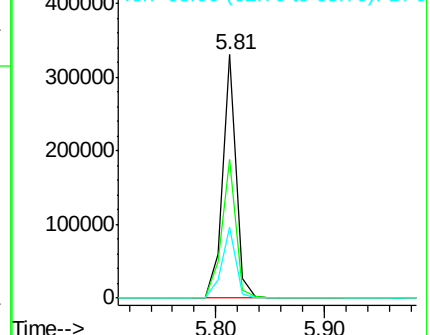
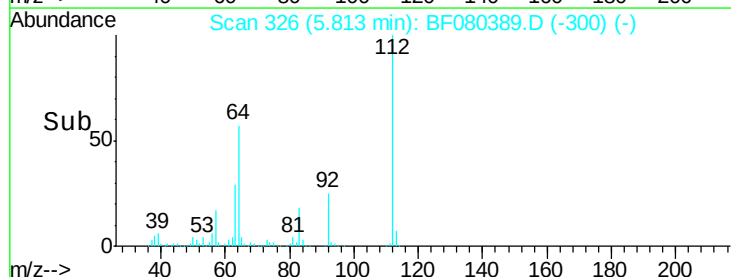
63 28.9 21.5 32.3

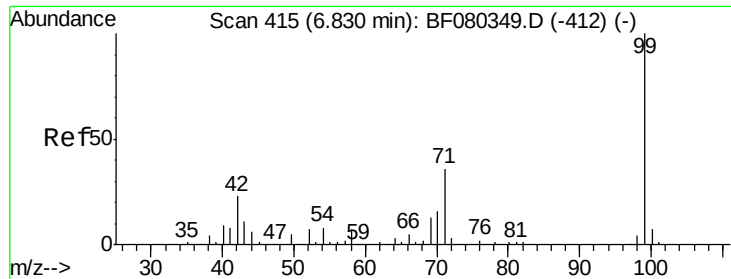


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.13 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF080389.D

Acq: 8 Jul 2015 15:53

Instrument :

BNA\_F

ClientSampleId :

PB84381TB

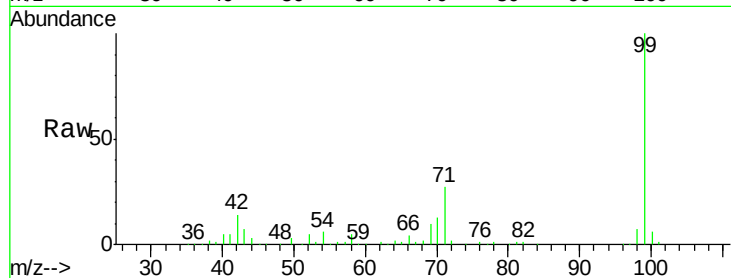
Tgt Ion: 99 Resp: 360193

Ion Ratio Lower Upper

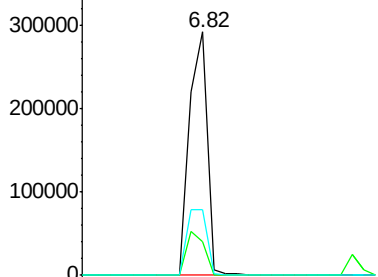
99 100

42 13.7 18.5 27.7#

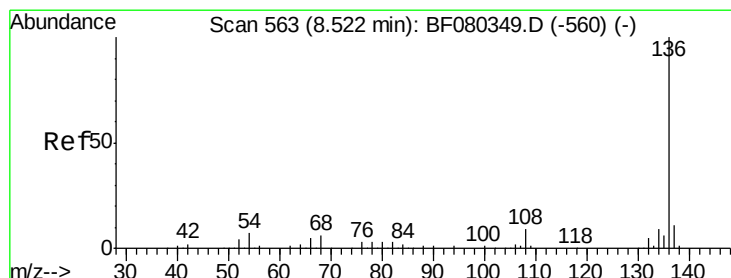
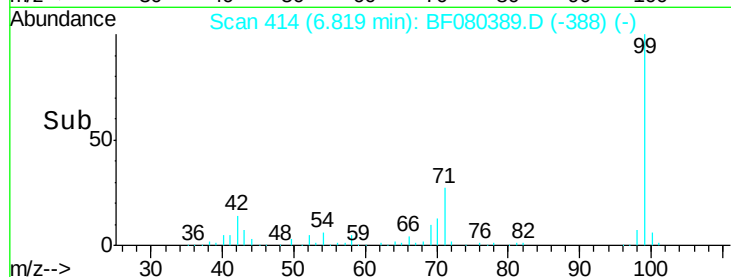
71 26.9 28.5 42.7#



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



Time--> 6.70 6.80 6.90



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.50 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF080389.D

Acq: 8 Jul 2015 15:53

Tgt Ion: 136 Resp: 163322

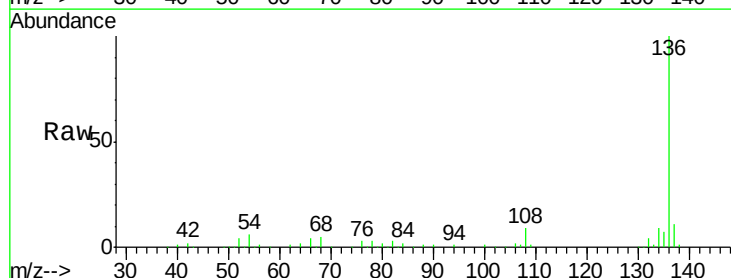
Ion Ratio Lower Upper

136 100

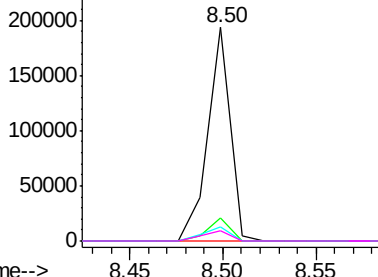
137 10.7 8.5 12.7

54 6.4 5.8 8.8

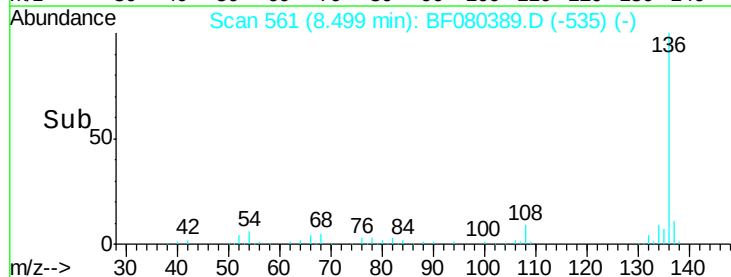
68 5.0 4.6 6.8

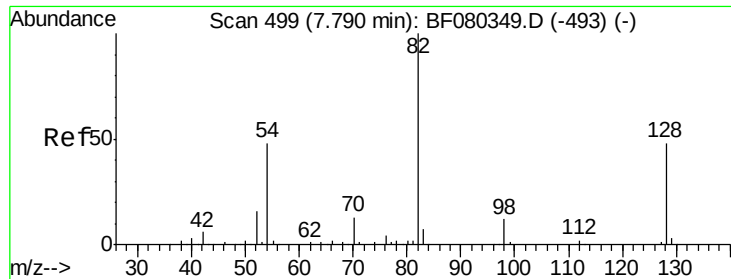


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.45 8.50 8.55

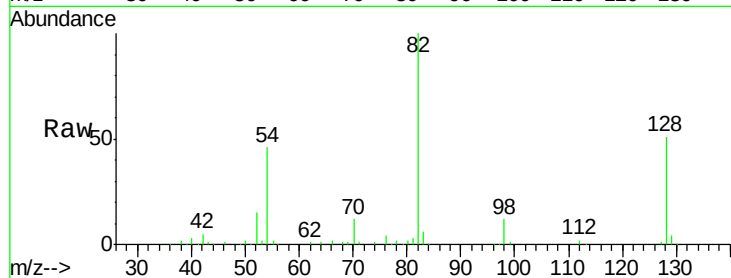




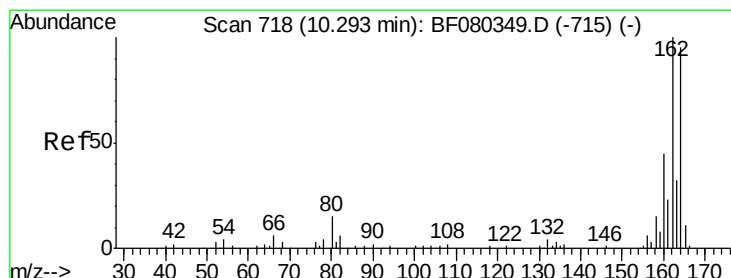
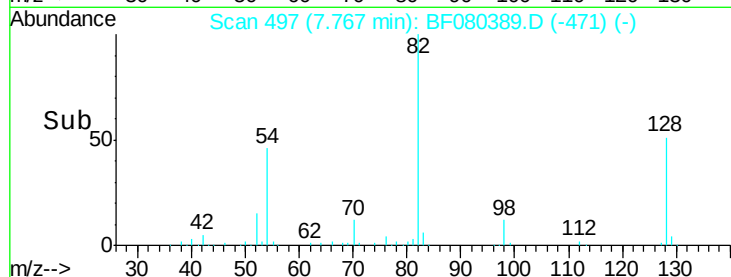
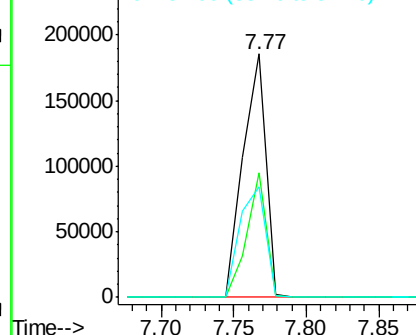
#23  
 Nitrobenzene-d5  
 Concen: 72.49 ng  
 RT: 7.77 min Scan# 497  
 Delta R.T. 0.00 min  
 Lab File: BF080389.D  
 Acq: 8 Jul 2015 15:53

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB84381TB

Tgt Ion: 82 Resp: 202985  
 Ion Ratio Lower Upper  
 82 100  
 128 51.0 38.4 57.6  
 54 45.5 38.2 57.2

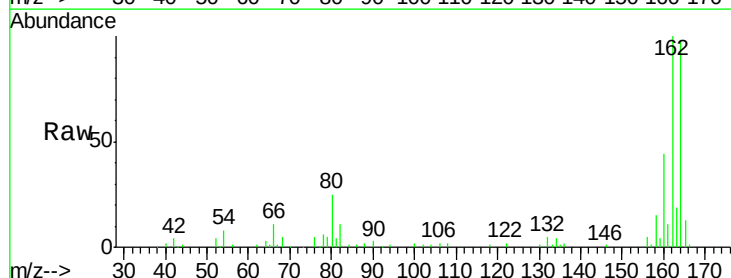


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

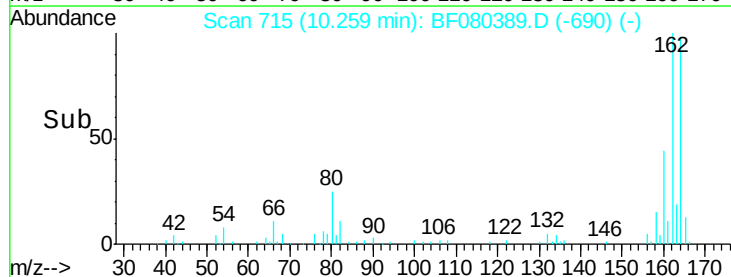
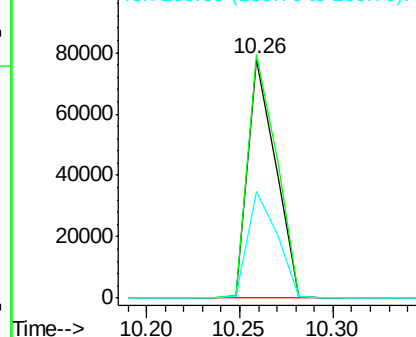


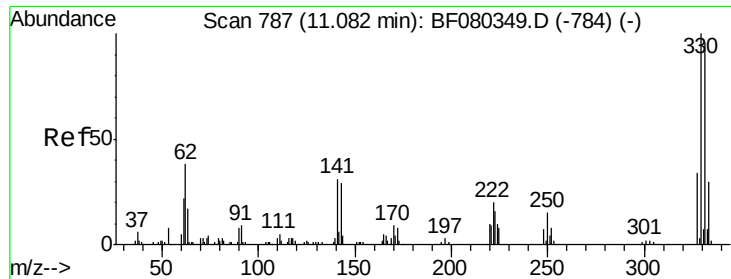
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.26 min Scan# 715  
 Delta R.T. -0.01 min  
 Lab File: BF080389.D  
 Acq: 8 Jul 2015 15:53

Tgt Ion: 164 Resp: 81291  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 84.5 126.7  
 160 44.5 37.7 56.5



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

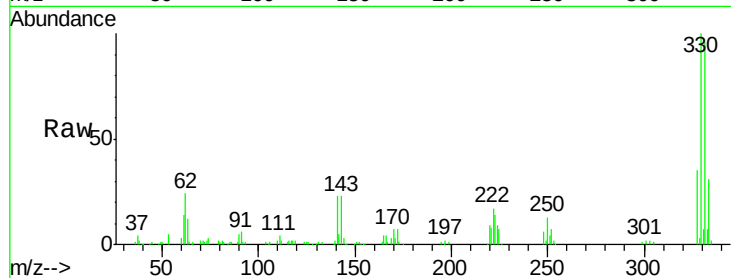




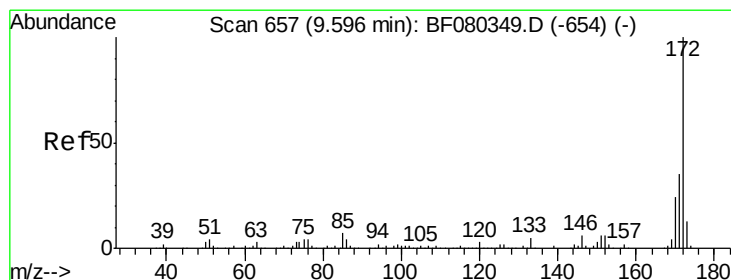
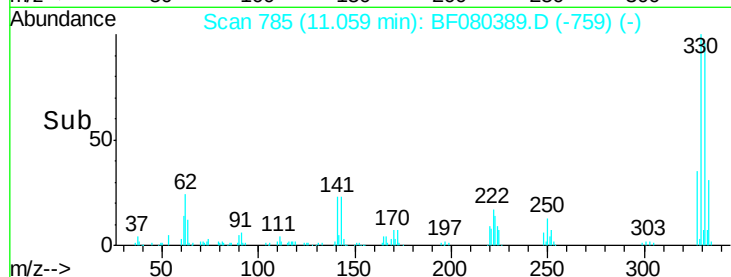
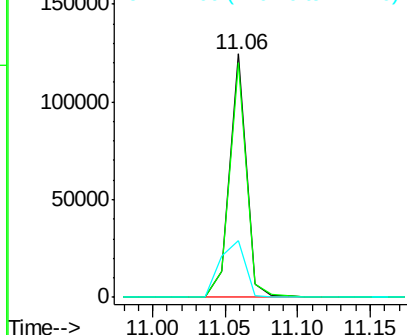
#41  
 2,4,6-Tribromophenol  
 Concen: 118.25 ng  
 RT: 11.06 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF080389.D  
 Acq: 8 Jul 2015 15:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84381TB

Tgt Ion:330 Resp: 100583  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.0 115.4  
 141 34.7 29.6 44.4

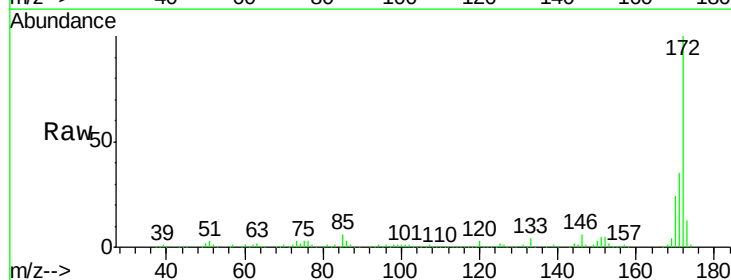


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

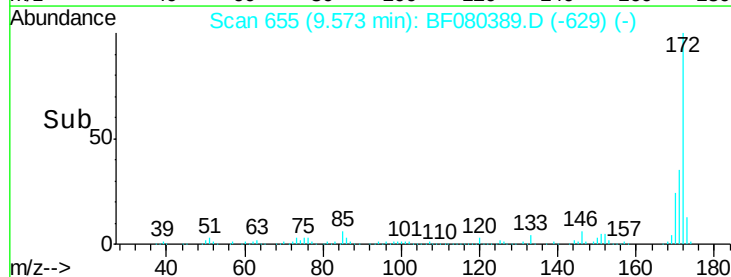
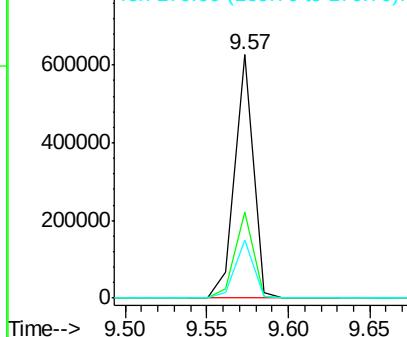


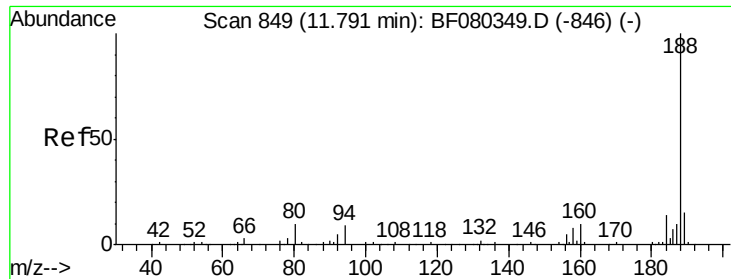
#44  
 2-Fluorobiphenyl  
 Concen: 81.12 ng  
 RT: 9.57 min Scan# 655  
 Delta R.T. 0.00 min  
 Lab File: BF080389.D  
 Acq: 8 Jul 2015 15:53

Tgt Ion:172 Resp: 488613  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.3 42.5  
 170 23.8 19.1 28.7



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

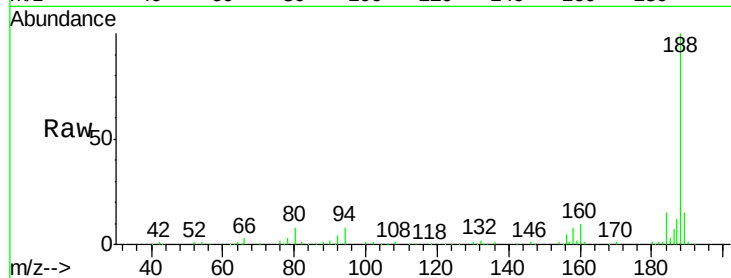




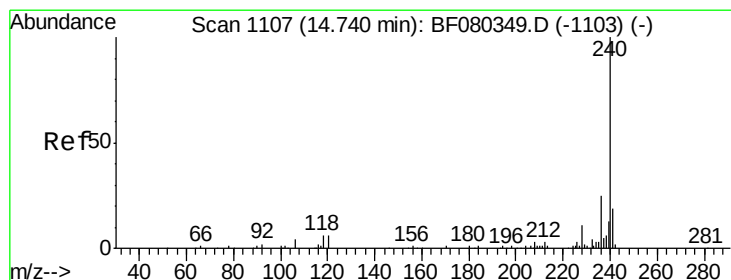
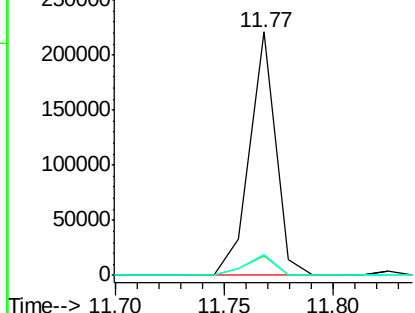
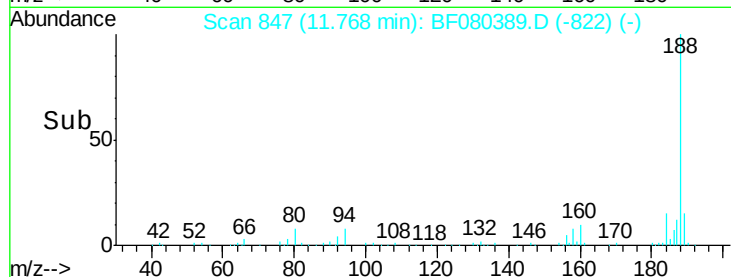
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.77 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BF080389.D  
Acq: 8 Jul 2015 15:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB84381TB

Tgt Ion:188 Resp: 184504  
Ion Ratio Lower Upper  
188 100  
94 8.0 7.5 11.3  
80 8.4 8.3 12.5

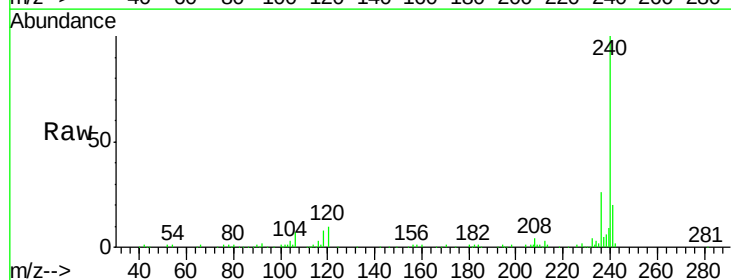


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

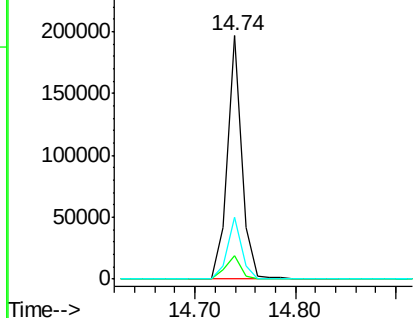
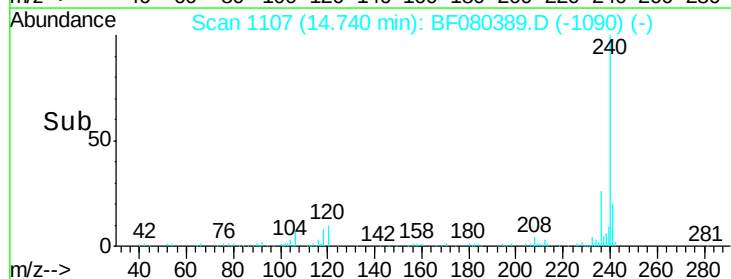


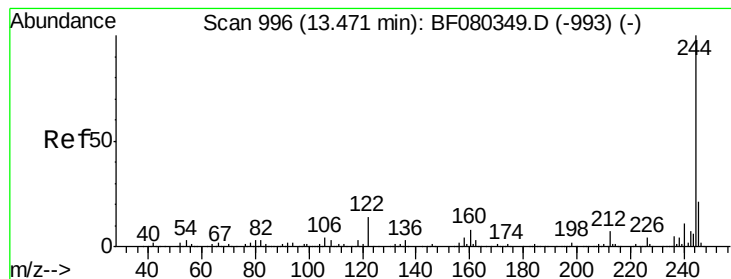
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.74 min Scan# 1107  
Delta R.T. -0.10 min  
Lab File: BF080389.D  
Acq: 8 Jul 2015 15:53

Tgt Ion:240 Resp: 197290  
Ion Ratio Lower Upper  
240 100  
120 9.7 5.1 7.7#  
236 25.5 20.4 30.6



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: 72.41 ng

RT: 13.46 min Scan# 995

Delta R.T. -0.06 min

Lab File: BF080389.D

Acq: 8 Jul 2015 15:53

Instrument :

BNA\_F

ClientSampleId :

PB84381TB

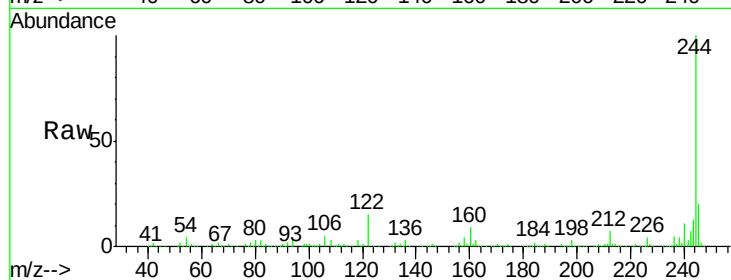
Tgt Ion:244 Resp: 612455

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

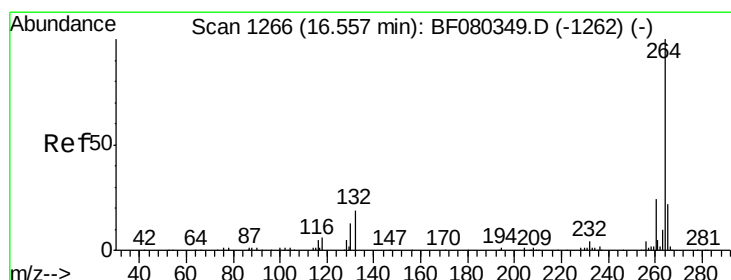
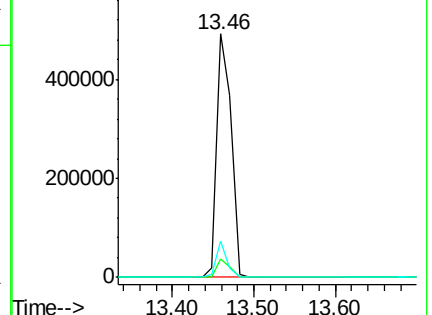
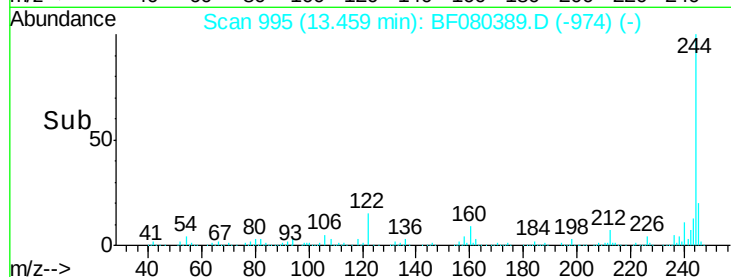
122 15.0 11.1 16.7



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: 16.59 min Scan# 1269

Delta R.T. -0.17 min

Lab File: BF080389.D

Acq: 8 Jul 2015 15:53

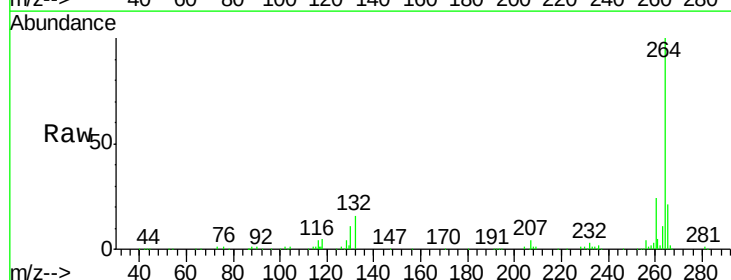
Tgt Ion:264 Resp: 170797

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.4 17.6 26.4



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

