

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111414\  
 Data File : BF075504.D  
 Acq On : 14 Nov 2014 20:05  
 Operator : TP / JJ  
 Sample : PB80327TB  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80327TB

Quant Time: Nov 14 23:24:57 2014  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 12 18:46:55 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 87015    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 9.13  | 136  | 384496   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 11.32 | 164  | 197689   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 13.16 | 188  | 328593   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 16.46 | 240  | 363678   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12            | 18.21 | 264  | 378569   | 20.00 | ng    | -0.23    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 388513   | 78.88 | ng    | -0.02    |
| 7) Phenol-d6                | 7.09  | 99   | 466750   | 78.80 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 265658   | 50.66 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 12.30 | 330  | 108244   | 65.37 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 10.47 | 172  | 504407   | 46.11 | ng    | -0.02    |
| 78) Terphenyl-d14           | 15.16 | 244  | 558954   | 41.38 | ng    | -0.03    |

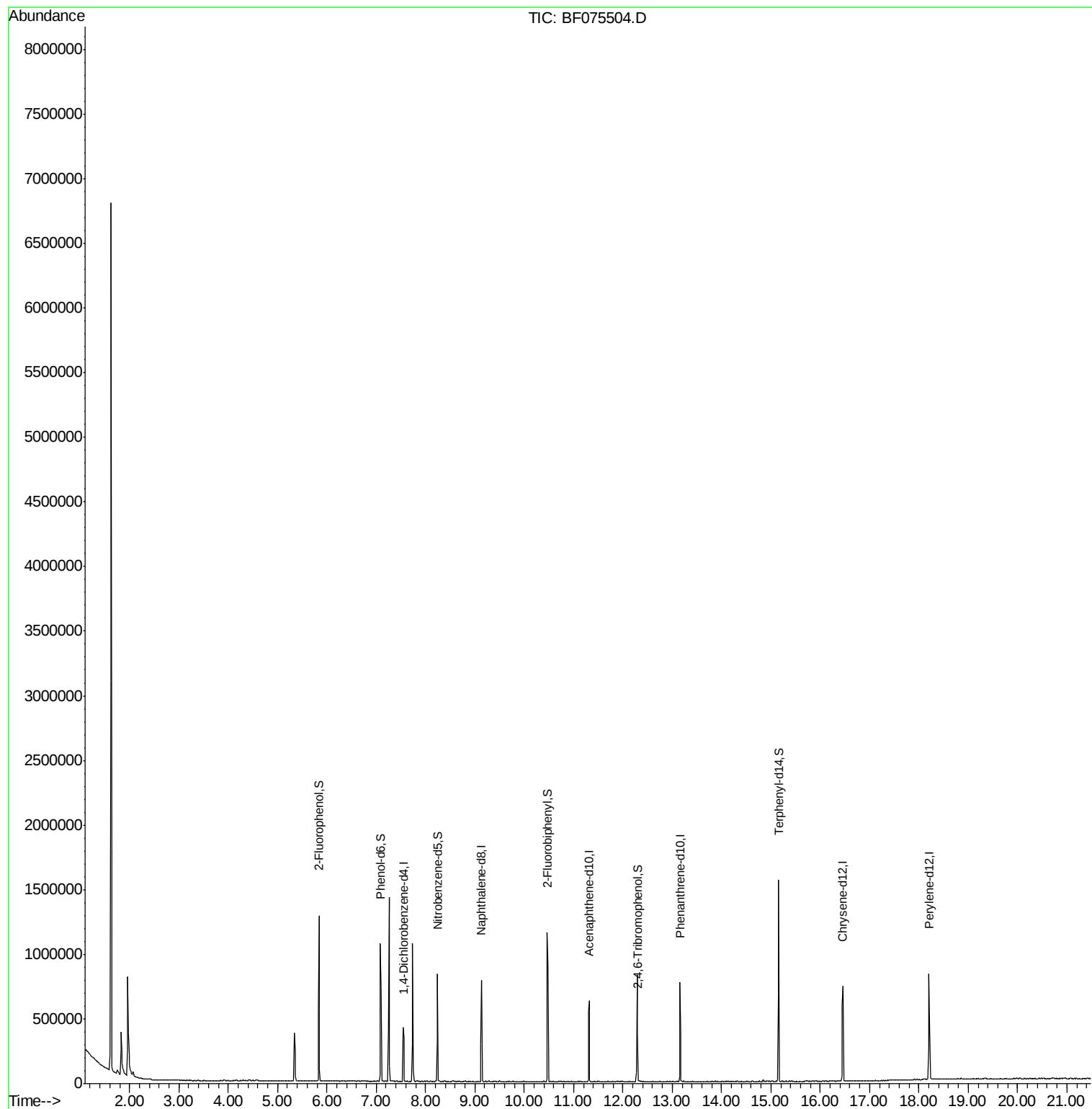
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

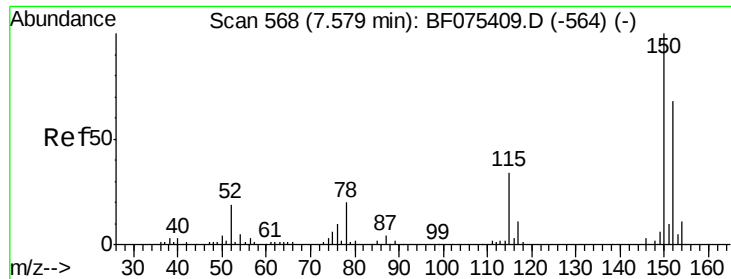
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111414\  
Data File : BF075504.D  
Acq On : 14 Nov 2014 20:05  
Operator : TP / JJ  
Sample : PB80327TB  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB80327TB

Quant Time: Nov 14 23:24:57 2014  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 12 18:46:55 2014  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF075504.D

Acq: 14 Nov 2014 20:05

Instrument :

BNA\_F

ClientSampled :

PB80327TB

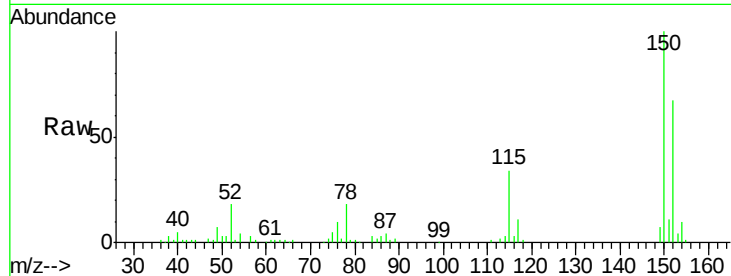
Tgt Ion:152 Resp: 87015

Ion Ratio Lower Upper

152 100

150 150.3 127.2 190.8

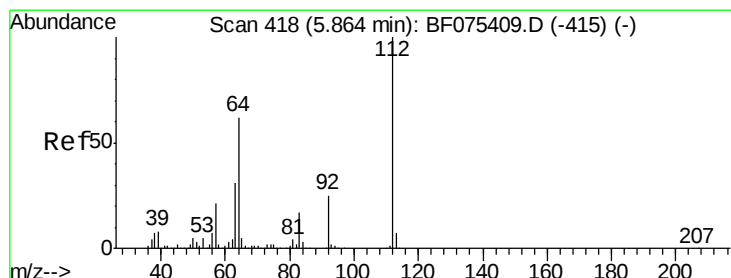
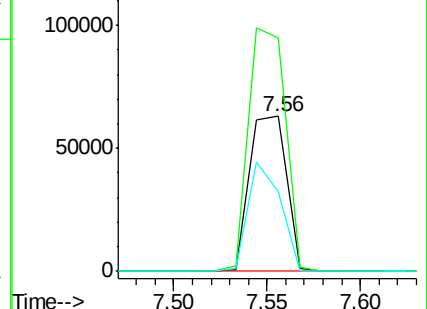
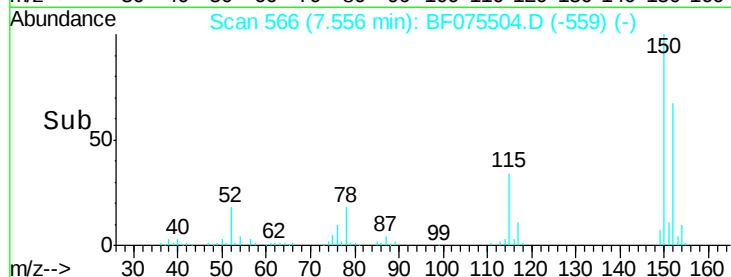
115 51.1 57.1 85.7#



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: 78.88 ng

RT: 5.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF075504.D

Acq: 14 Nov 2014 20:05

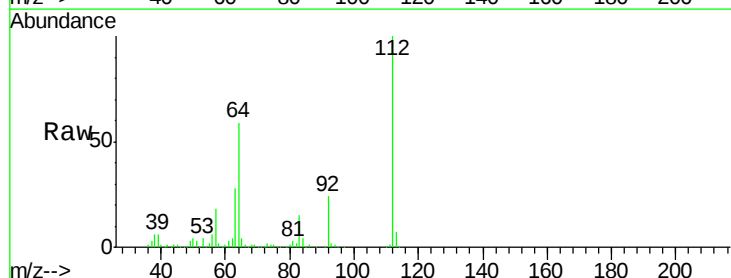
Tgt Ion:112 Resp: 388513

Ion Ratio Lower Upper

112 100

64 59.5 45.8 68.6

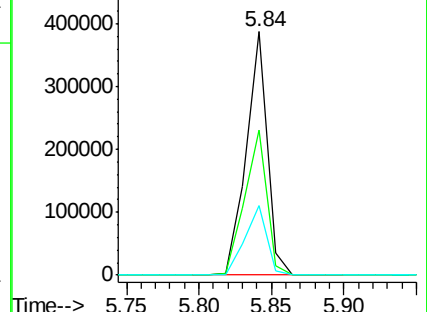
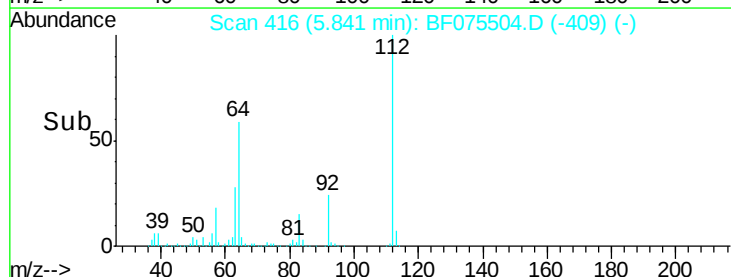
63 28.4 22.7 34.1



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: 78.80 ng

RT: 7.09 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF075504.D

Acq: 14 Nov 2014 20:05

Instrument :

BNA\_F

ClientSampleId :

PB80327TB

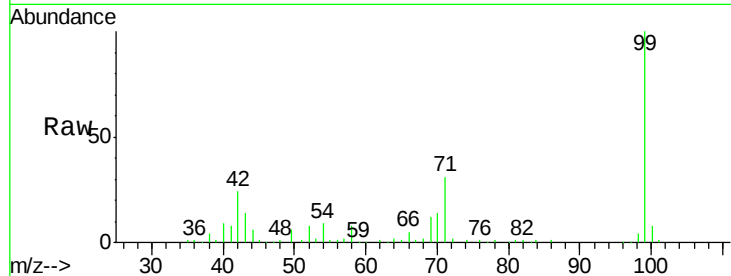
Tgt Ion: 99 Resp: 466750

Ion Ratio Lower Upper

99 100

42 24.1 19.8 29.6

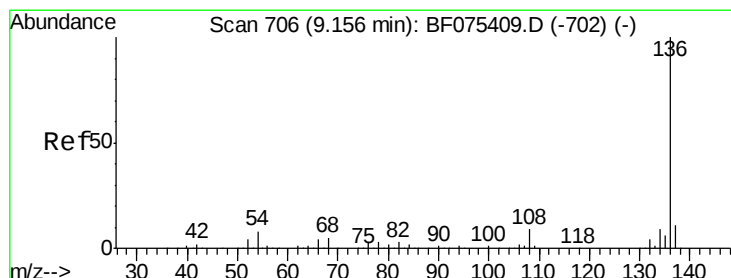
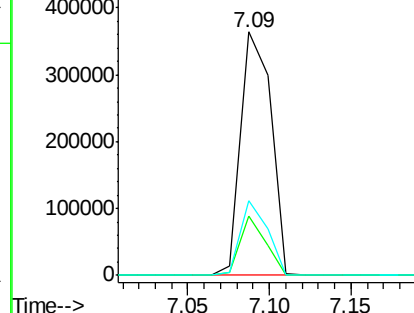
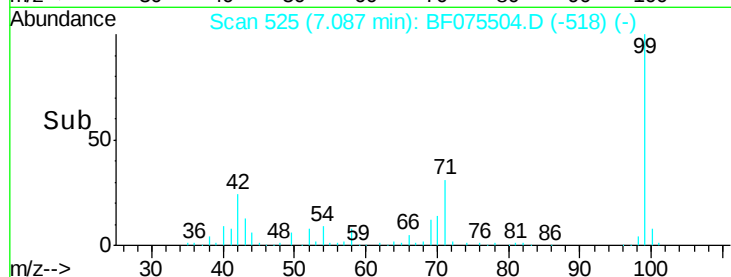
71 30.6 25.5 38.3



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: 9.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF075504.D

Acq: 14 Nov 2014 20:05

Tgt Ion: 136 Resp: 384496

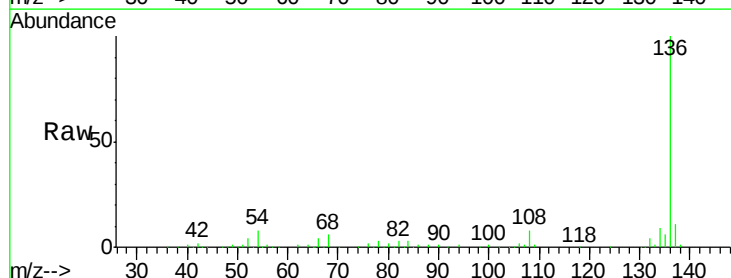
Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

54 7.9 6.2 9.4

68 5.6 3.4 5.2#

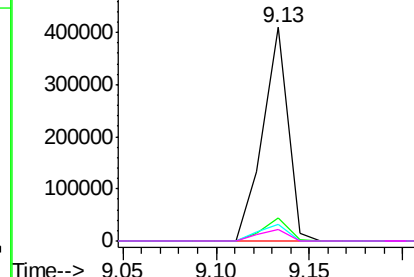
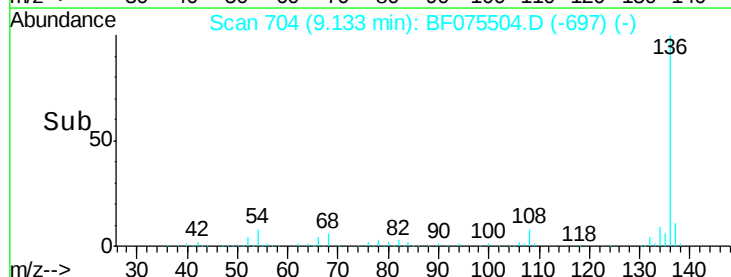


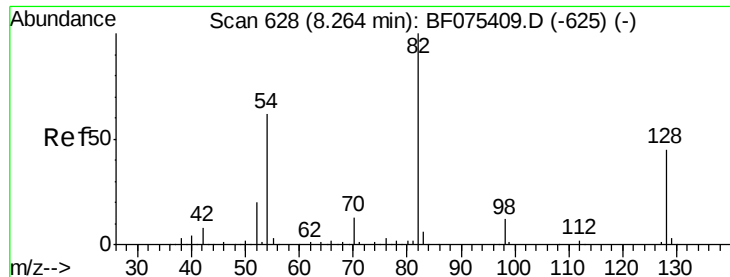
Abundance Ion 136.00 (135.70 to 136.70): E

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

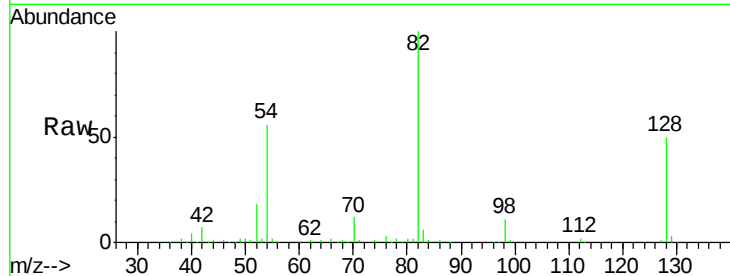




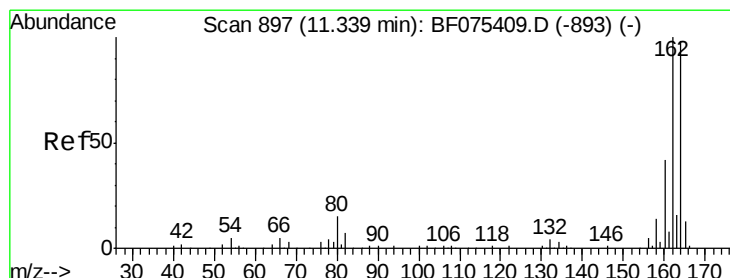
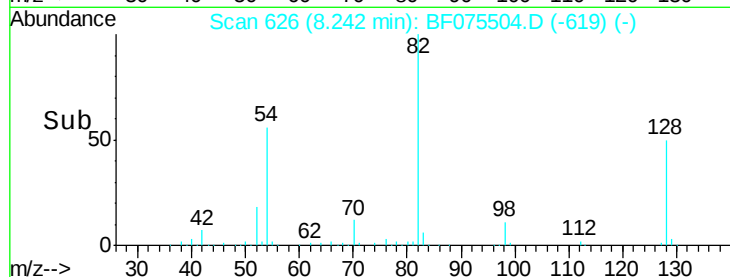
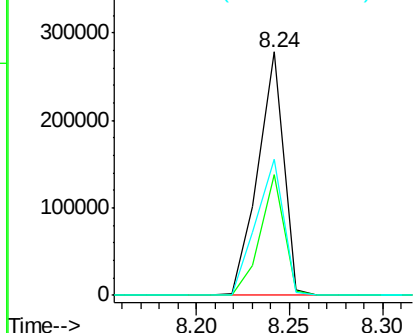
#23  
 Nitrobenzene-d5  
 Concen: 50.66 ng  
 RT: 8.24 min Scan# 626  
 Delta R.T. -0.02 min  
 Lab File: BF075504.D  
 Acq: 14 Nov 2014 20:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80327TB

Tgt Ion: 82 Resp: 265658  
 Ion Ratio Lower Upper  
 82 100  
 128 49.5 37.8 56.6  
 54 55.9 49.8 74.8

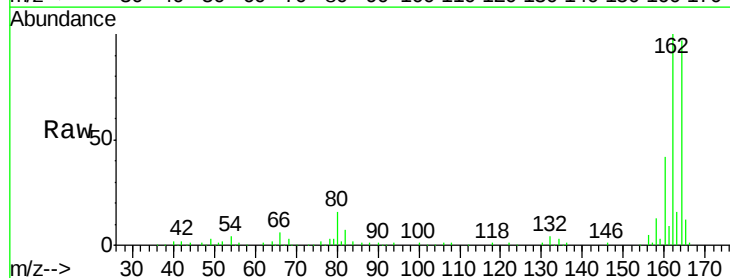


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

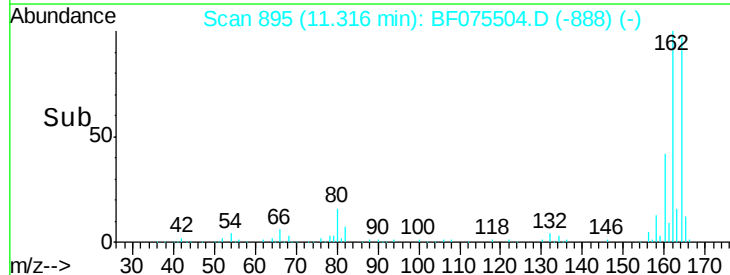
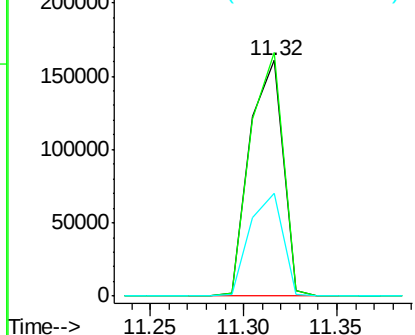


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.32 min Scan# 895  
 Delta R.T. -0.02 min  
 Lab File: BF075504.D  
 Acq: 14 Nov 2014 20:05

Tgt Ion: 164 Resp: 197689  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 79.1 118.7  
 160 43.9 34.6 51.8



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

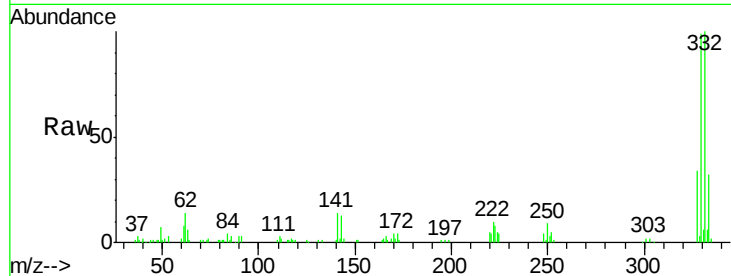




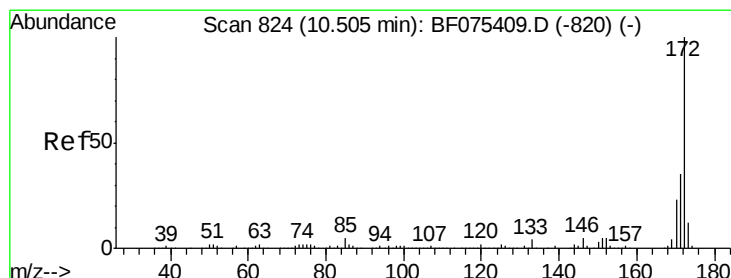
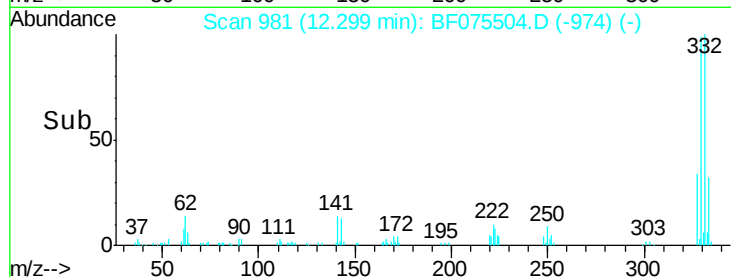
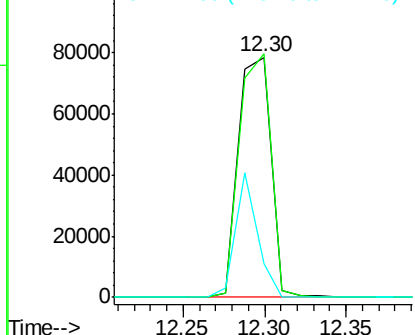
#41  
 2,4,6-Tribromophenol  
 Concen: 65.37 ng  
 RT: 12.30 min Scan# 981  
 Delta R.T. -0.02 min  
 Lab File: BF075504.D  
 Acq: 14 Nov 2014 20:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80327TB

Tgt Ion:330 Resp: 108244  
 Ion Ratio Lower Upper  
 330 100  
 332 98.4 74.5 111.7  
 141 34.8 30.7 46.1

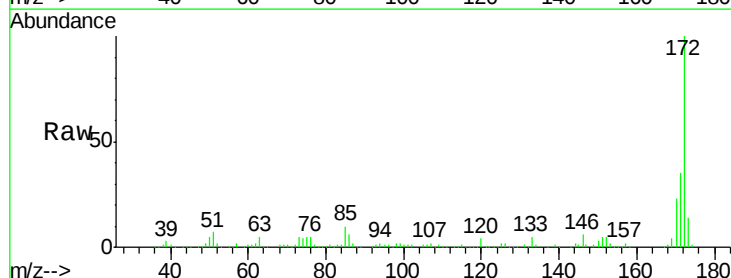


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

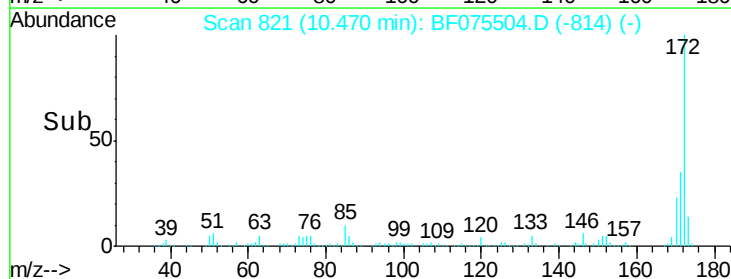
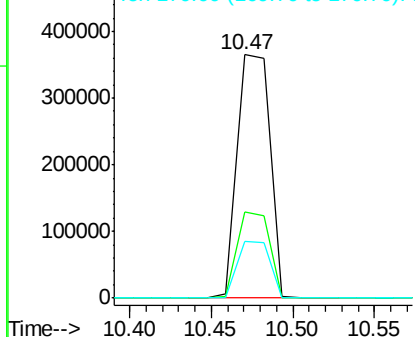


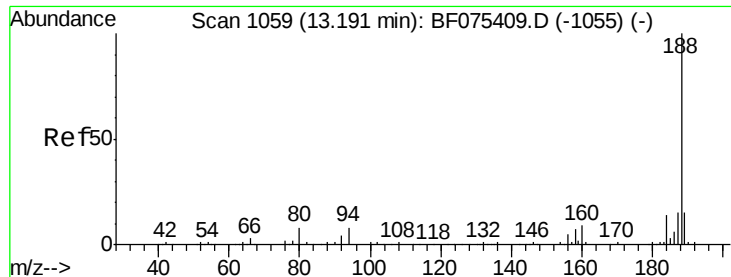
#44  
 2-Fluorobiphenyl  
 Concen: 46.11 ng  
 RT: 10.47 min Scan# 821  
 Delta R.T. -0.02 min  
 Lab File: BF075504.D  
 Acq: 14 Nov 2014 20:05

Tgt Ion:172 Resp: 504407  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 27.3 40.9  
 170 23.1 18.4 27.6



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

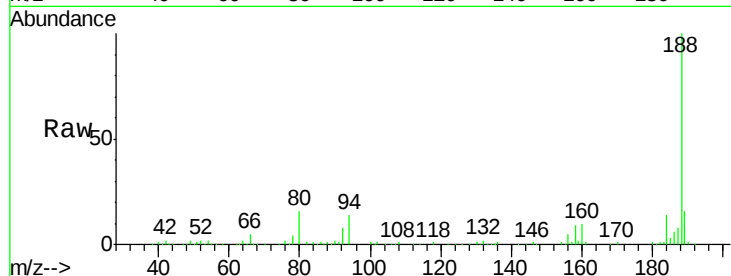




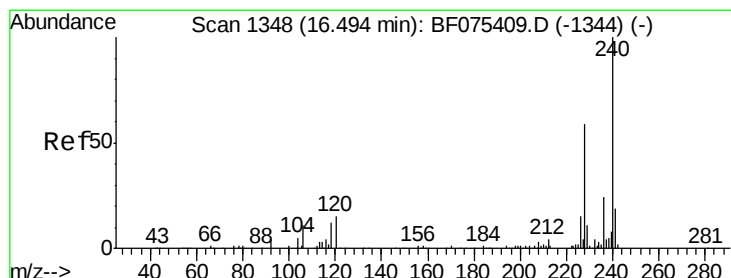
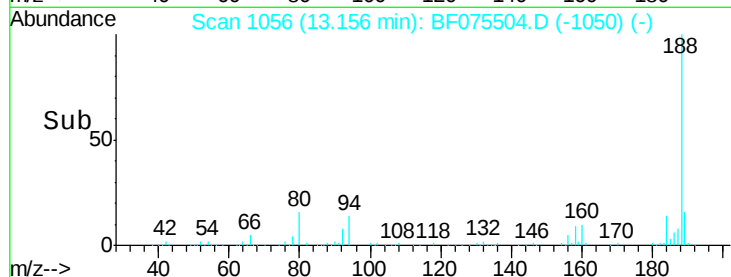
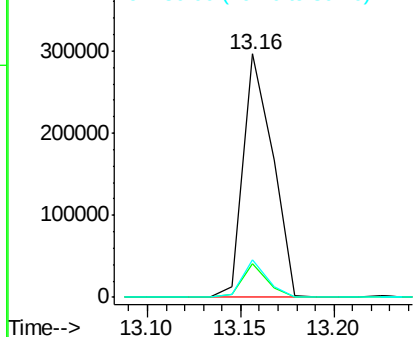
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.16 min Scan# 1056  
Delta R.T. -0.03 min  
Lab File: BF075504.D  
Acq: 14 Nov 2014 20:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB80327TB

Tgt Ion:188 Resp: 328593  
Ion Ratio Lower Upper  
188 100  
94 14.0 7.8 11.6#  
80 15.6 8.0 12.0#

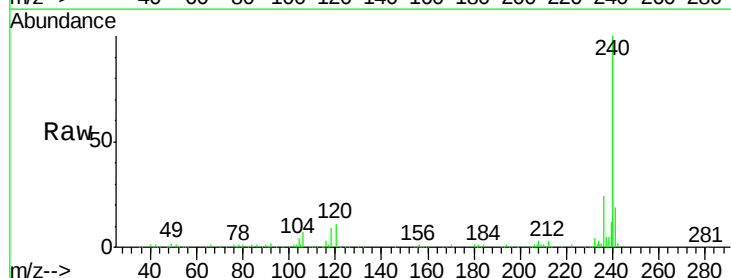


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

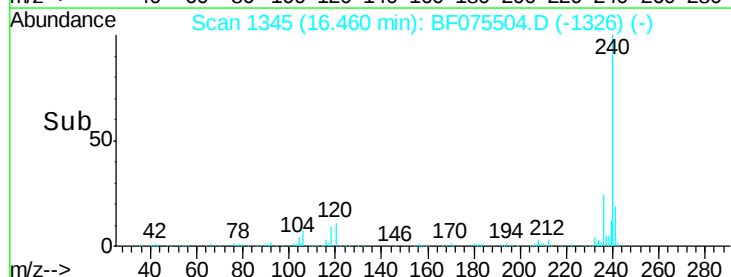
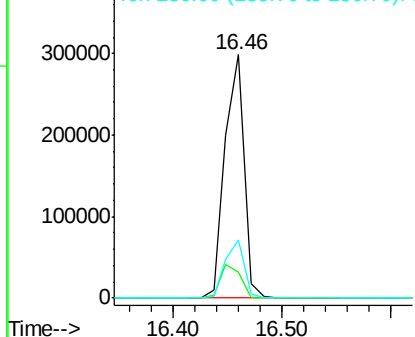


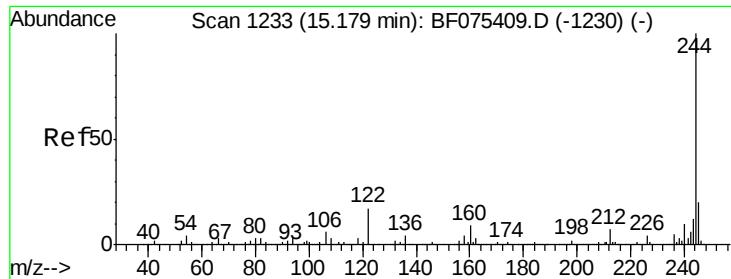
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.46 min Scan# 1345  
Delta R.T. -0.08 min  
Lab File: BF075504.D  
Acq: 14 Nov 2014 20:05

Tgt Ion:240 Resp: 363678  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.6 14.4  
236 24.0 18.9 28.3



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

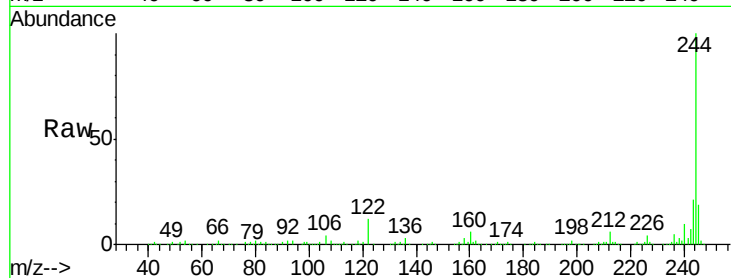




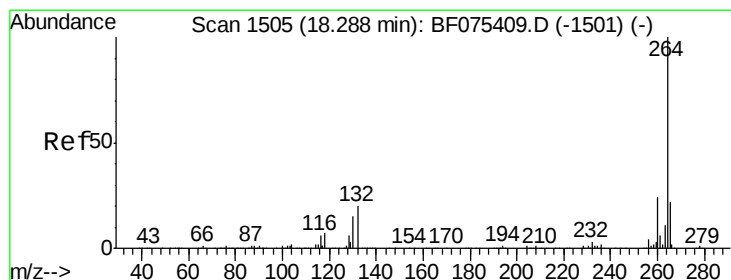
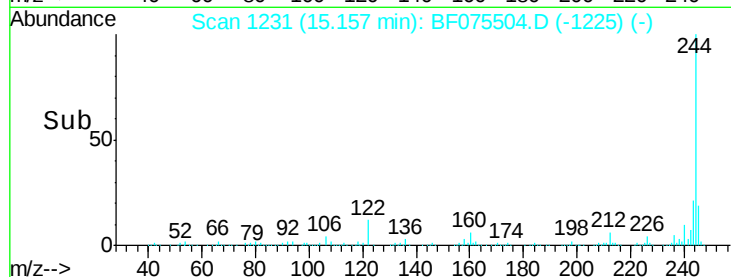
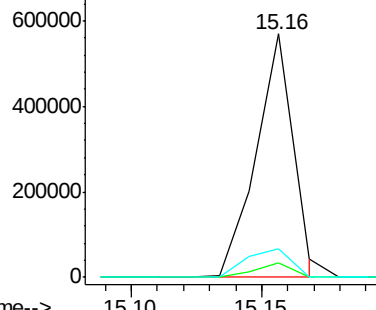
#78  
 Terphenyl-d14  
 Concen: 41.38 ng  
 RT: 15.16 min Scan# 1231  
 Delta R.T. -0.03 min  
 Lab File: BF075504.D  
 Acq: 14 Nov 2014 20:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80327TB

Tgt Ion:244 Resp: 558954  
 Ion Ratio Lower Upper  
 244 100  
 212 5.9 5.5 8.3  
 122 11.8 9.7 14.5

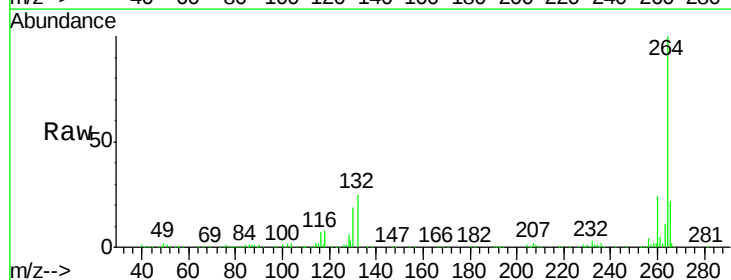


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.21 min Scan# 1498  
 Delta R.T. -0.23 min  
 Lab File: BF075504.D  
 Acq: 14 Nov 2014 20:05

Tgt Ion:264 Resp: 378569  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 17.9 26.9  
 265 21.8 16.3 24.5



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

