

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111414\  
 Data File : BF075581.D  
 Acq On : 16 Nov 2014 13:35  
 Operator : TP / JJ  
 Sample : F4755-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HUDPARK-COMP2(B1)

Quant Time: Nov 17 05:07:10 2014  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 17 04:16:34 2014  
 Response via : Initial Calibration

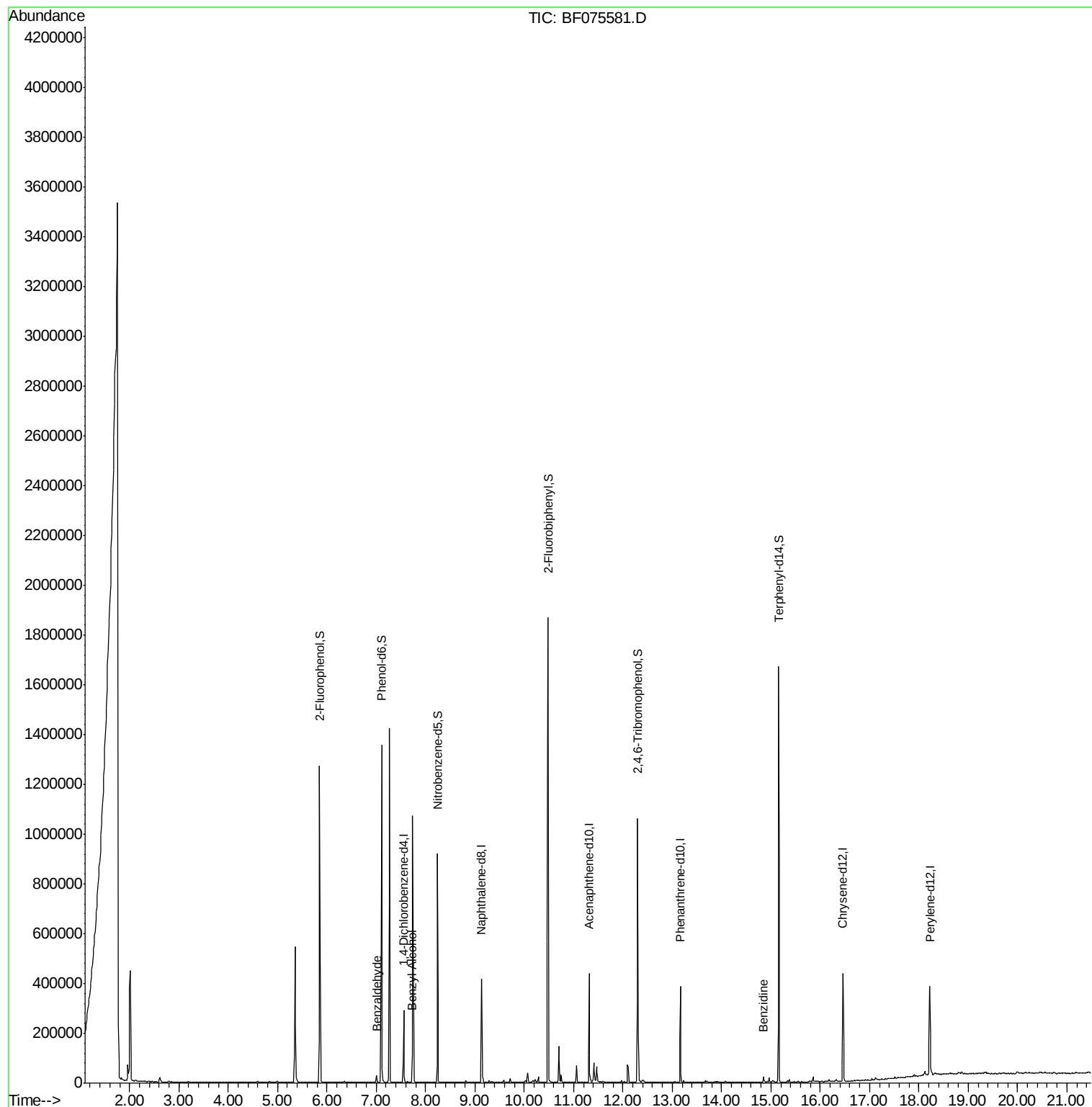
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 46962    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.13  | 136  | 191650   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.32 | 164  | 97479    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 13.17 | 188  | 169864   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.46 | 240  | 176743   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 18.22 | 264  | 174371   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.85  | 112  | 396519   | 149.16 | ng    | 0.00     |
| 7) Phenol-d6                | 7.11  | 99   | 465921   | 145.75 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 301111   | 115.19 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 12.30 | 330  | 134526   | 164.77 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.48 | 172  | 621882   | 115.28 | ng    | 0.00     |
| 78) Terphenyl-d14           | 15.16 | 244  | 653832   | 99.59  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde             | 7.01  | 77   | 7693     | 3.58   | ng    | 88       |
| 15) Benzyl Alcohol          | 7.73  | 79   | 16103    | 6.42   | ng    | 89       |
| 76) Benzidine               | 14.85 | 184  | 13149    | 2.34   | ng    | 97       |

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

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HUDPARK-COMP2(B1)

Quant Time: Nov 17 05:07:10 2014  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 17 04:16:34 2014  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF075581.D

Acq: 16 Nov 2014 13:35

Instrument :

BNA\_F

ClientSampleId :

HUDPARK-COMP2(B1)

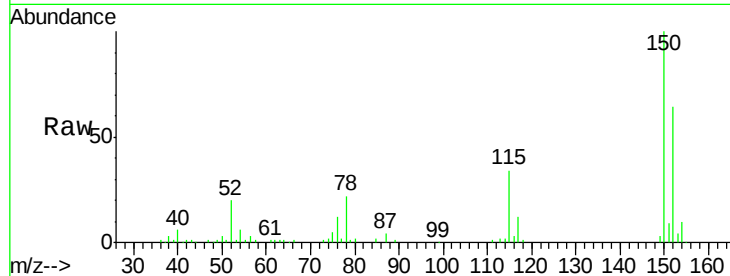
Tgt Ion:152 Resp: 46962

Ion Ratio Lower Upper

152 100

150 155.9 127.2 190.8

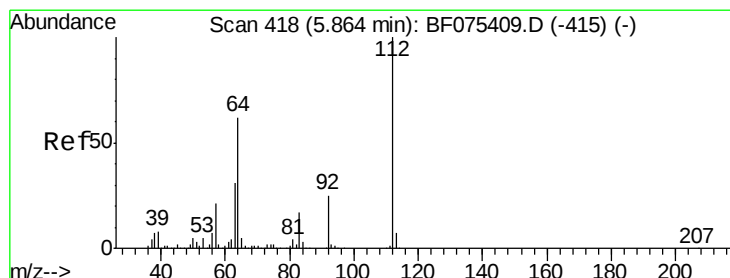
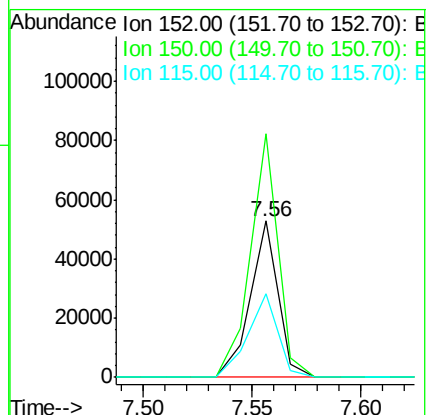
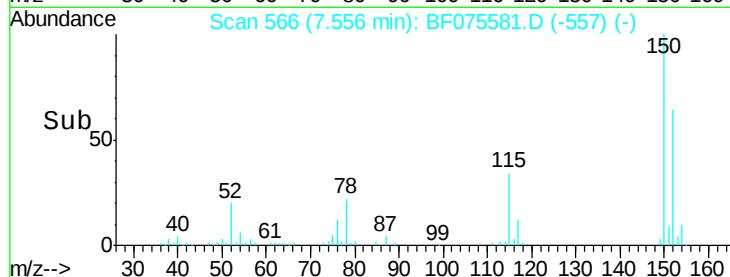
115 53.6 57.1 85.7#



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: 149.16 ng

RT: 5.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF075581.D

Acq: 16 Nov 2014 13:35

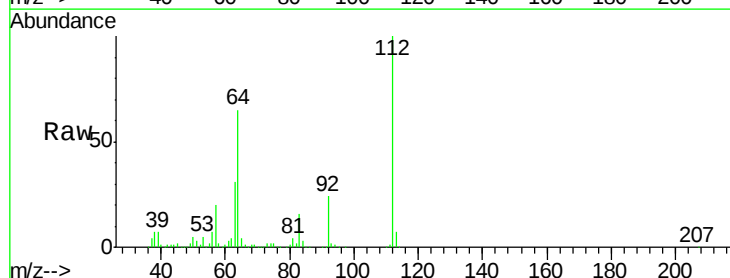
Tgt Ion:112 Resp: 396519

Ion Ratio Lower Upper

112 100

64 65.1 45.8 68.6

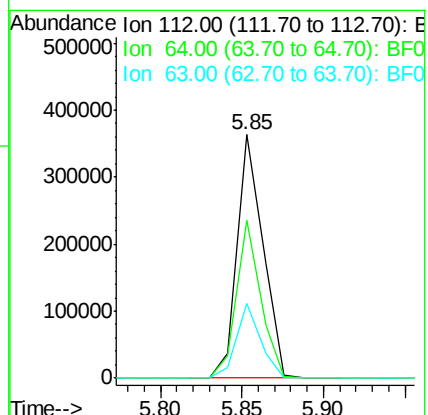
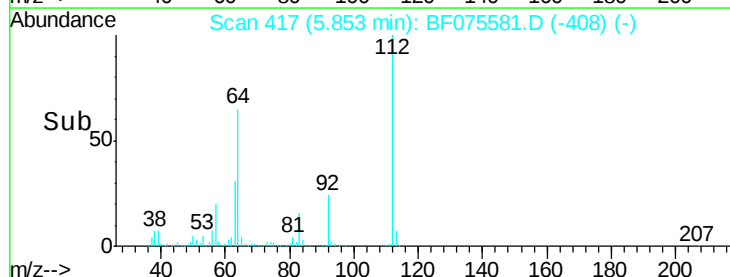
63 30.8 22.7 34.1

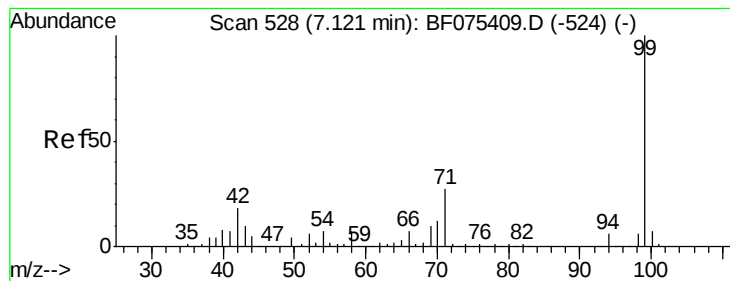


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.75 ng

RT: 7.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF075581.D

Acq: 16 Nov 2014 13:35

Instrument :

BNA\_F

ClientSampleId :

HUDPARK-COMP2(B1)

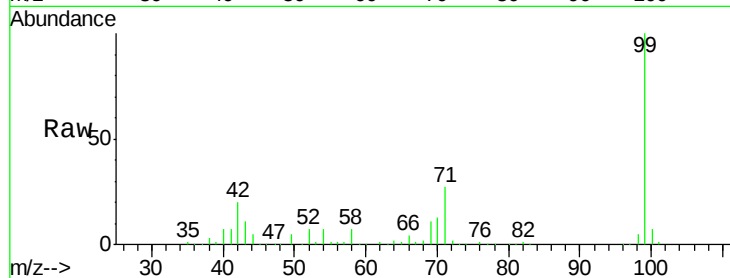
Tgt Ion: 99 Resp: 465921

Ion Ratio Lower Upper

99 100

42 19.6 19.8 29.6#

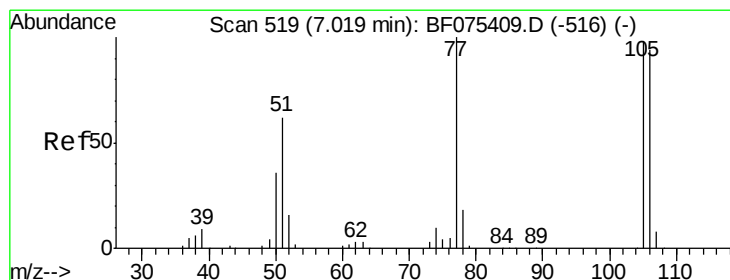
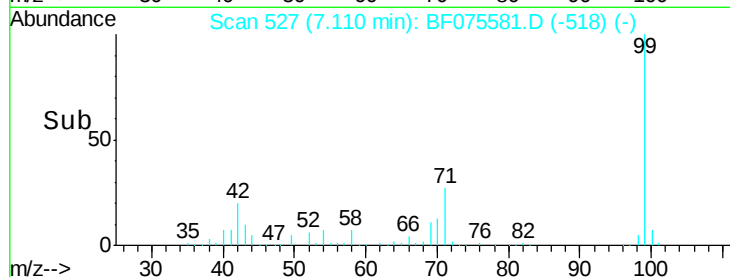
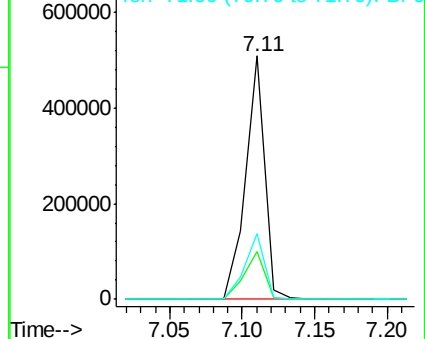
71 27.2 25.5 38.3



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



#9

Benzaldehyde

Concen: 3.58 ng

RT: 7.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF075581.D

Acq: 16 Nov 2014 13:35

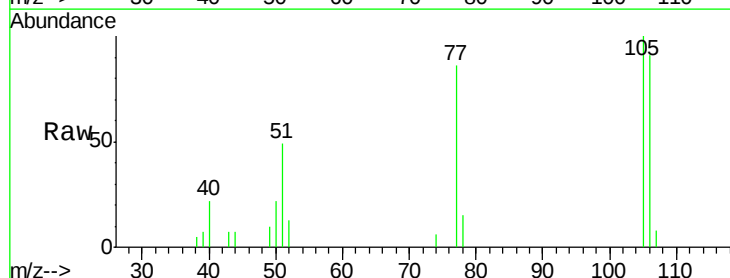
Tgt Ion: 77 Resp: 7693

Ion Ratio Lower Upper

77 100

105 116.4 81.6 121.6

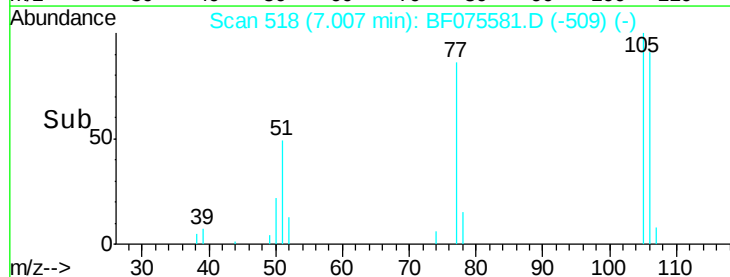
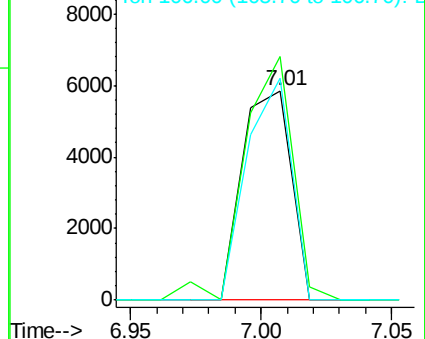
106 106.3 77.5 117.5

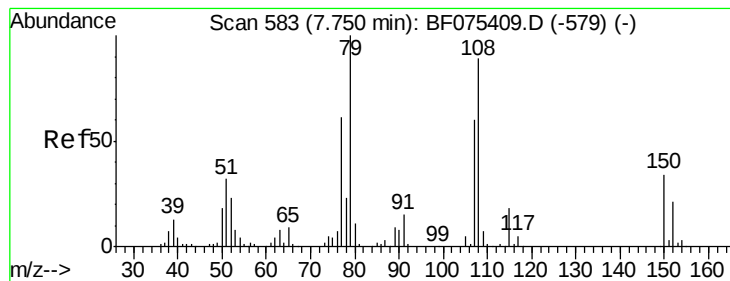


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 6.42 ng

RT: 7.73 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF075581.D

Acq: 16 Nov 2014 13:35

Instrument :

BNA\_F

ClientSampleId :

HUDPARK-COMP2(B1)

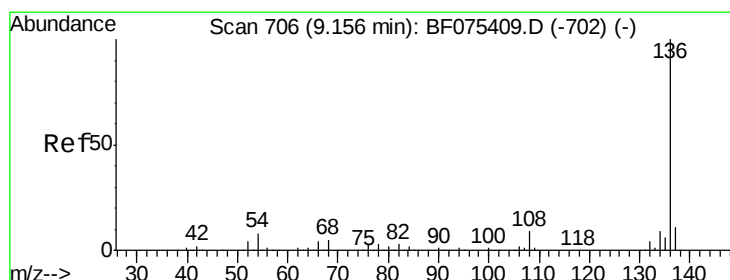
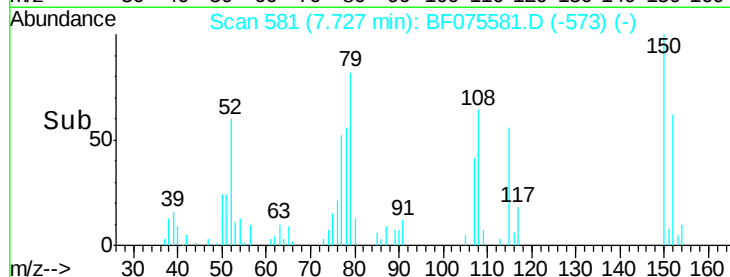
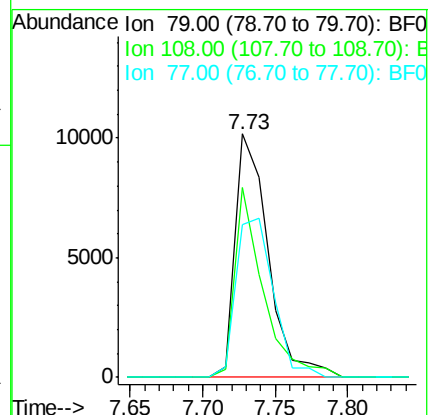
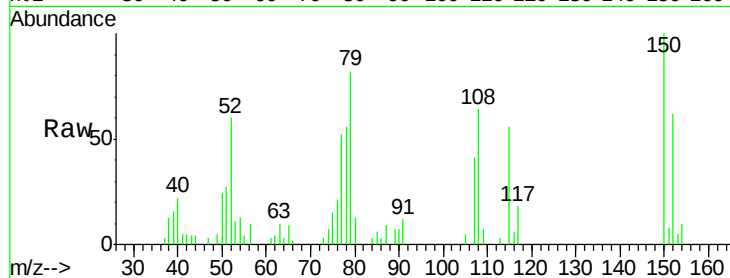
Tgt Ion: 79 Resp: 16103

Ion Ratio Lower Upper

79 100

108 77.9 75.5 113.3

77 62.6 52.1 78.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF075581.D

Acq: 16 Nov 2014 13:35

Tgt Ion: 136 Resp: 191650

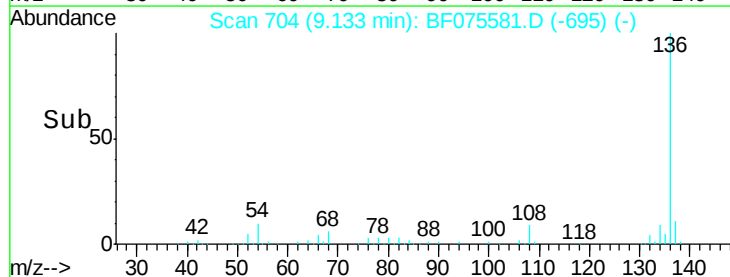
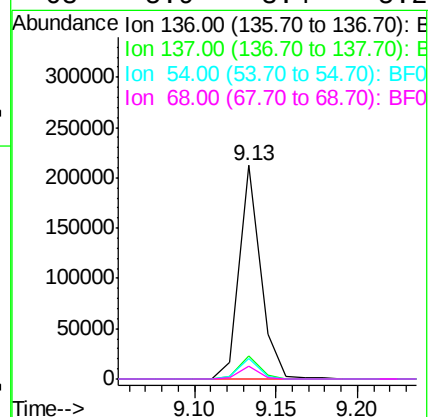
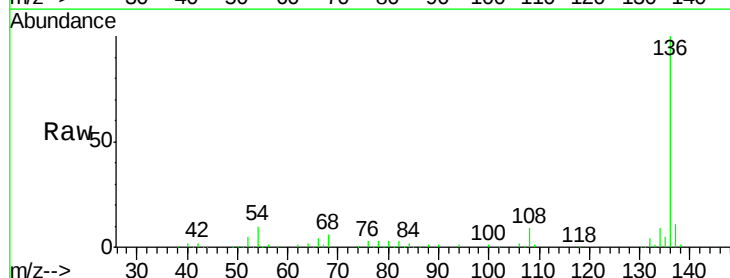
Ion Ratio Lower Upper

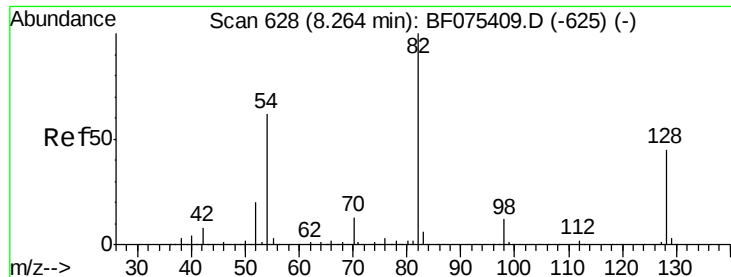
136 100

137 10.8 8.2 12.4

54 9.5 6.2 9.4#

68 5.9 3.4 5.2#

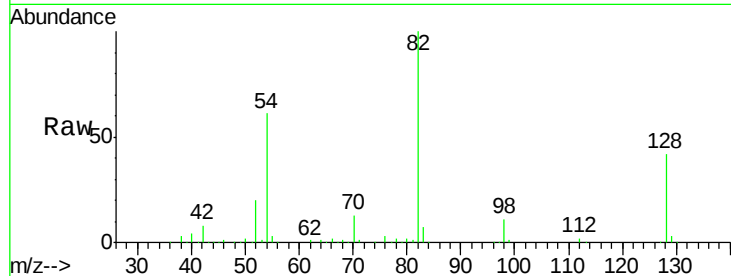




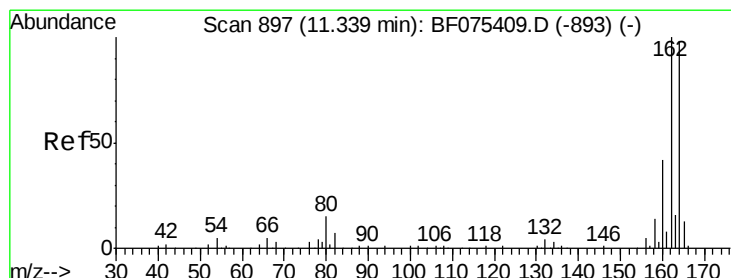
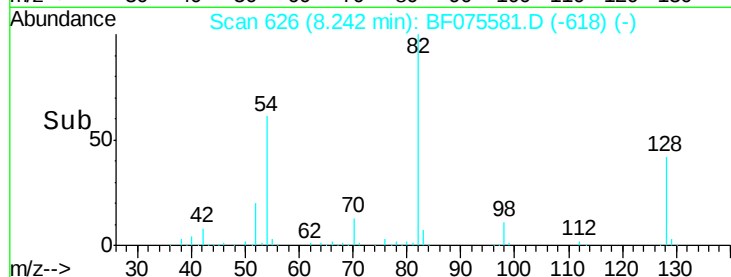
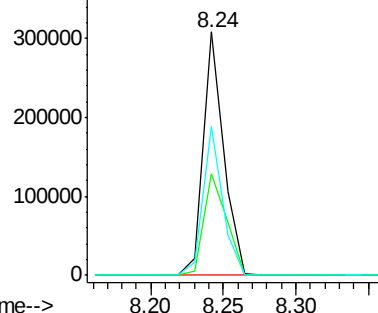
#23  
Nitrobenzene-d5  
Concen: 115.19 ng  
RT: 8.24 min Scan# 626  
Delta R.T. -0.01 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

Instrument :  
BNA\_F  
ClientSampleId :  
HUDPARK-COMP2(B1)

Tgt Ion: 82 Resp: 301111  
Ion Ratio Lower Upper  
82 100  
128 41.8 37.8 56.6  
54 61.0 49.8 74.8

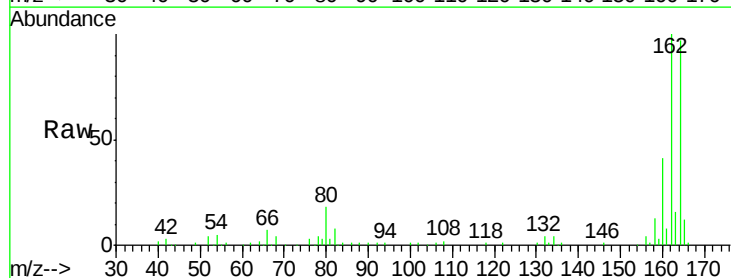


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

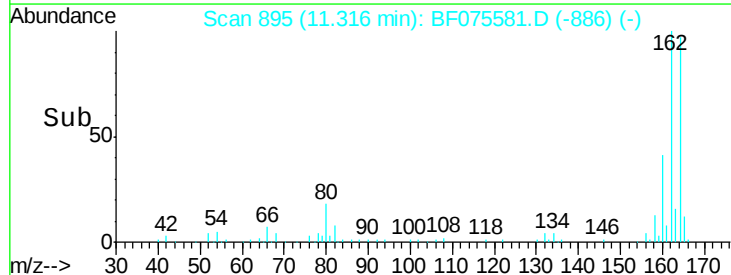
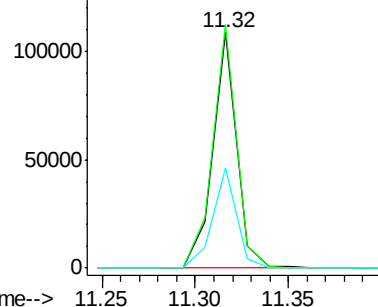


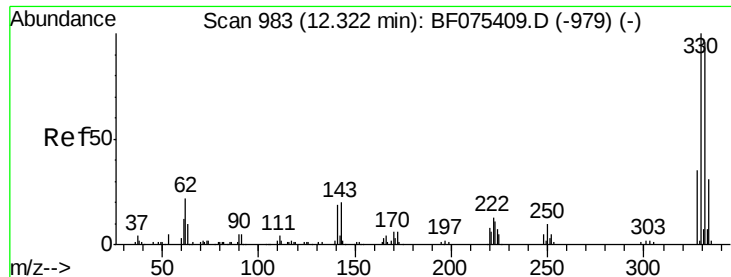
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 895  
Delta R.T. -0.00 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

Tgt Ion: 164 Resp: 97479  
Ion Ratio Lower Upper  
164 100  
162 103.2 79.1 118.7  
160 42.7 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

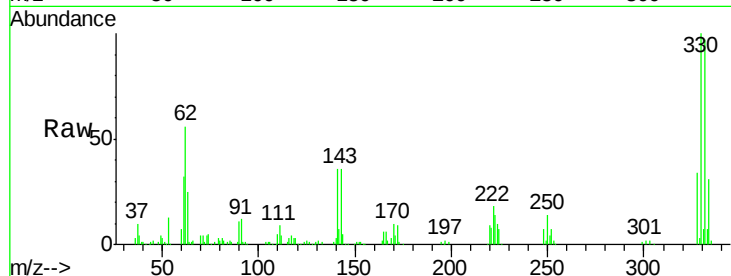




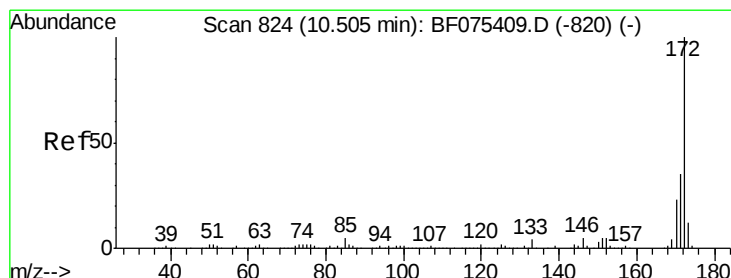
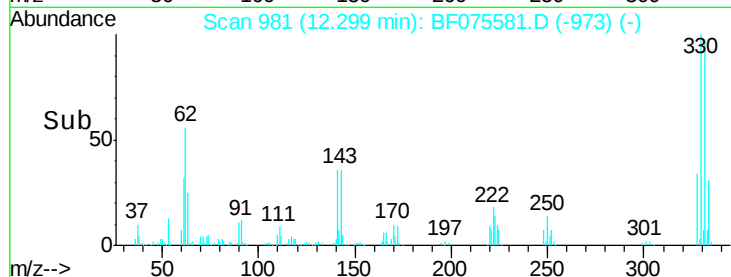
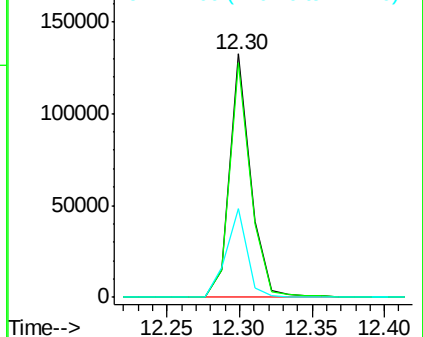
#41  
 2,4,6-Tribromophenol  
 Concen: 164.77 ng  
 RT: 12.30 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: BF075581.D  
 Acq: 16 Nov 2014 13:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HUDPARK-COMP2(B1)

Tgt Ion:330 Resp: 134526  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 74.5 111.7  
 141 36.7 30.7 46.1

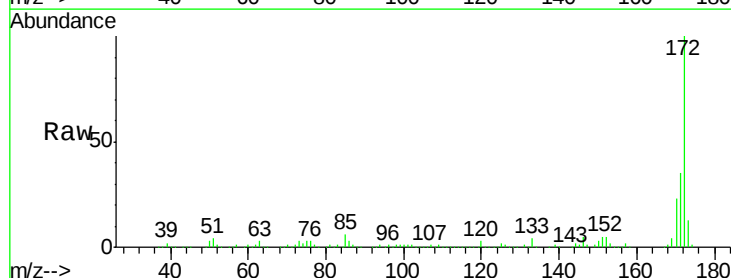


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

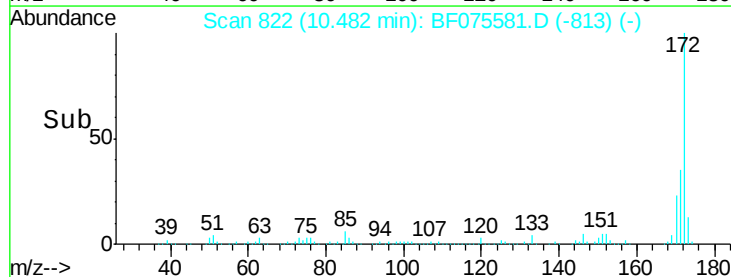
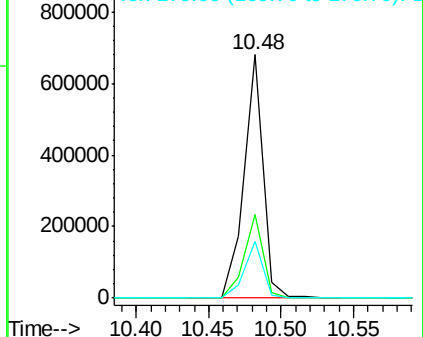


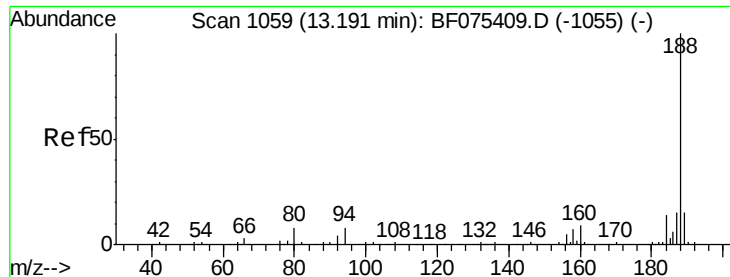
#44  
 2-Fluorobiphenyl  
 Concen: 115.28 ng  
 RT: 10.48 min Scan# 822  
 Delta R.T. -0.00 min  
 Lab File: BF075581.D  
 Acq: 16 Nov 2014 13:35

Tgt Ion:172 Resp: 621882  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 27.3 40.9  
 170 23.5 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

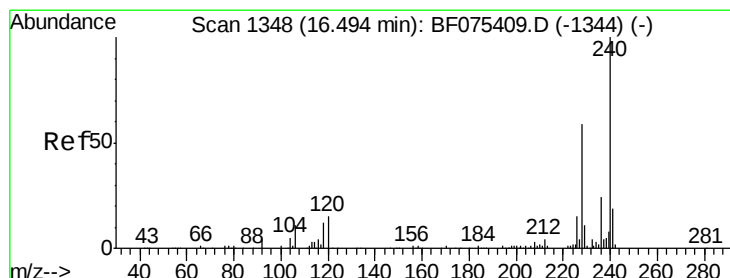
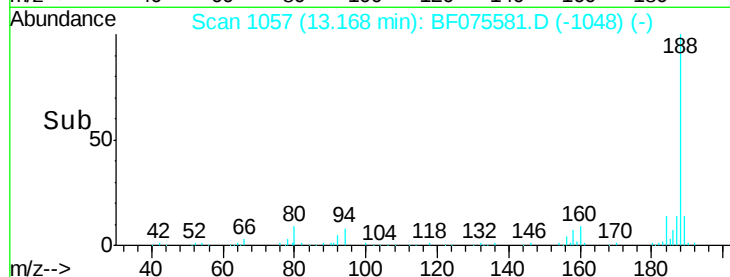
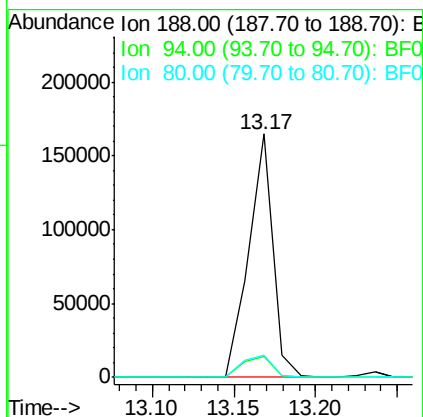
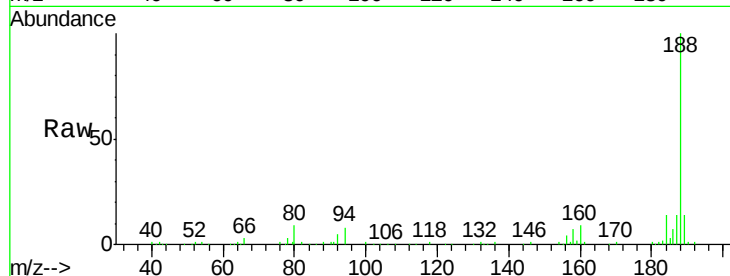




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.17 min Scan# 1057  
Delta R.T. -0.00 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

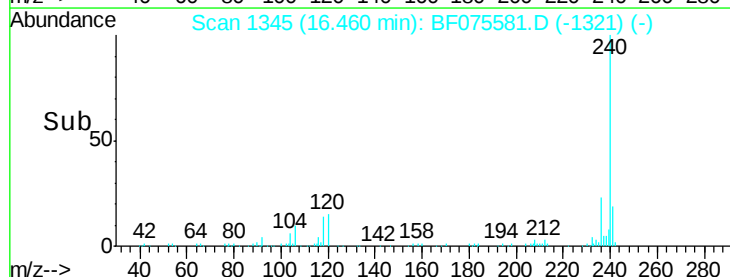
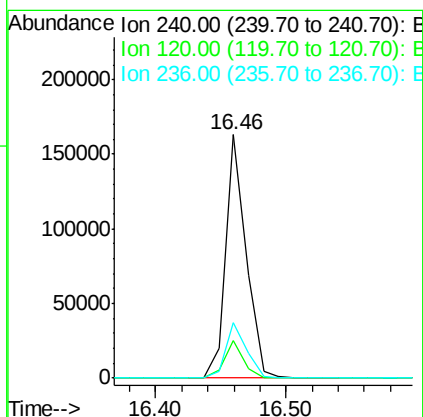
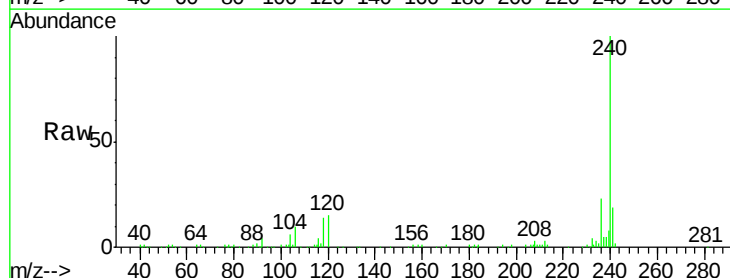
Instrument :  
BNA\_F  
ClientSampleId :  
HUDPARK-COMP2(B1)

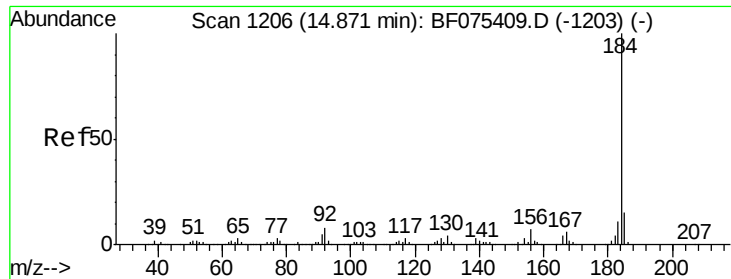
Tgt Ion:188 Resp: 169864  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.8 11.6  
80 9.3 8.0 12.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.46 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

Tgt Ion:240 Resp: 176743  
Ion Ratio Lower Upper  
240 100  
120 15.4 9.6 14.4#  
236 22.8 18.9 28.3

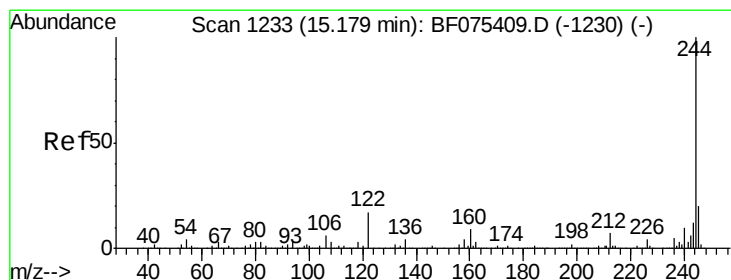
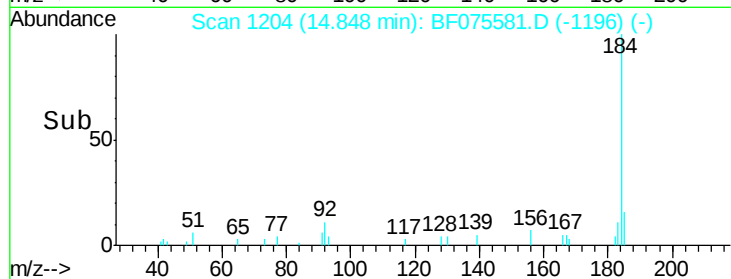
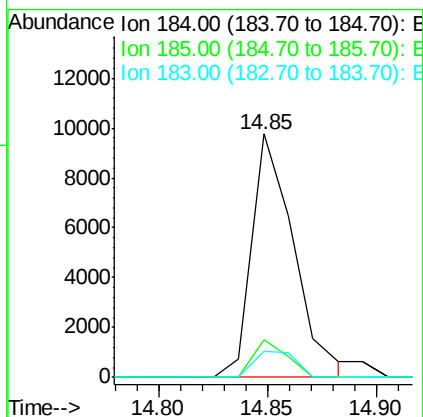
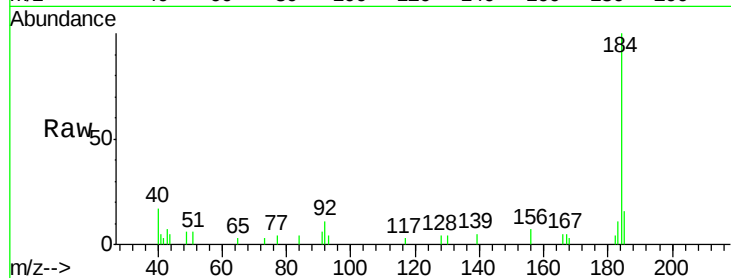




#76  
Benzidine  
Concen: 2.34 ng  
RT: 14.85 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

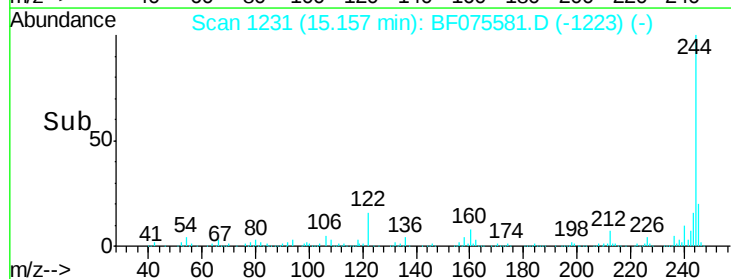
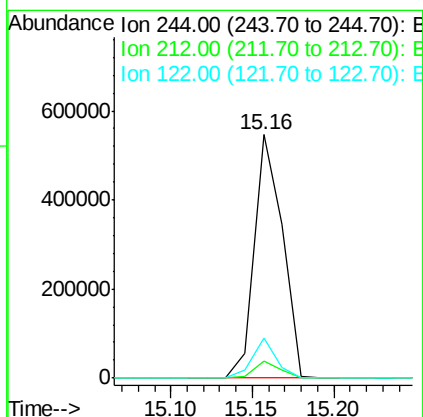
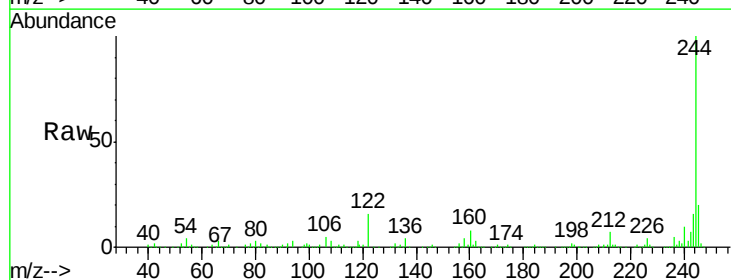
Instrument :  
BNA\_F  
ClientSampleId :  
HUDPARK-COMP2(B1)

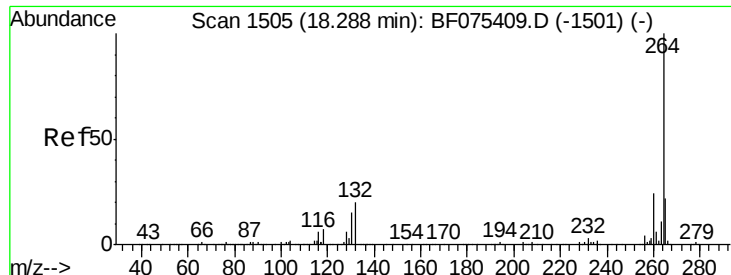
Tgt Ion:184 Resp: 13149  
Ion Ratio Lower Upper  
184 100  
185 15.6 10.9 16.3  
183 10.5 8.7 13.1



#78  
Terphenyl-d14  
Concen: 99.59 ng  
RT: 15.16 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

Tgt Ion:244 Resp: 653832  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.5 8.3  
122 16.4 9.7 14.5#

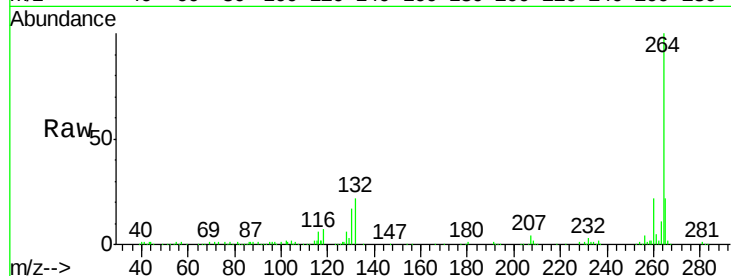




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.22 min Scan# 1499  
Delta R.T. -0.07 min  
Lab File: BF075581.D  
Acq: 16 Nov 2014 13:35

Instrument :  
BNA\_F  
ClientSampleId :  
HUDPARK-COMP2(B1)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.3  | 17.9  | 26.9  |
| 265     | 21.5  | 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

