

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\  
 Data File : BF086881.D  
 Acq On : 11 May 2016 5:12  
 Operator : UM/SJ  
 Sample : H2916-02  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-CSPH3-2K

Quant Time: May 11 08:25:12 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 16:04:56 2016  
 Response via : Initial Calibration

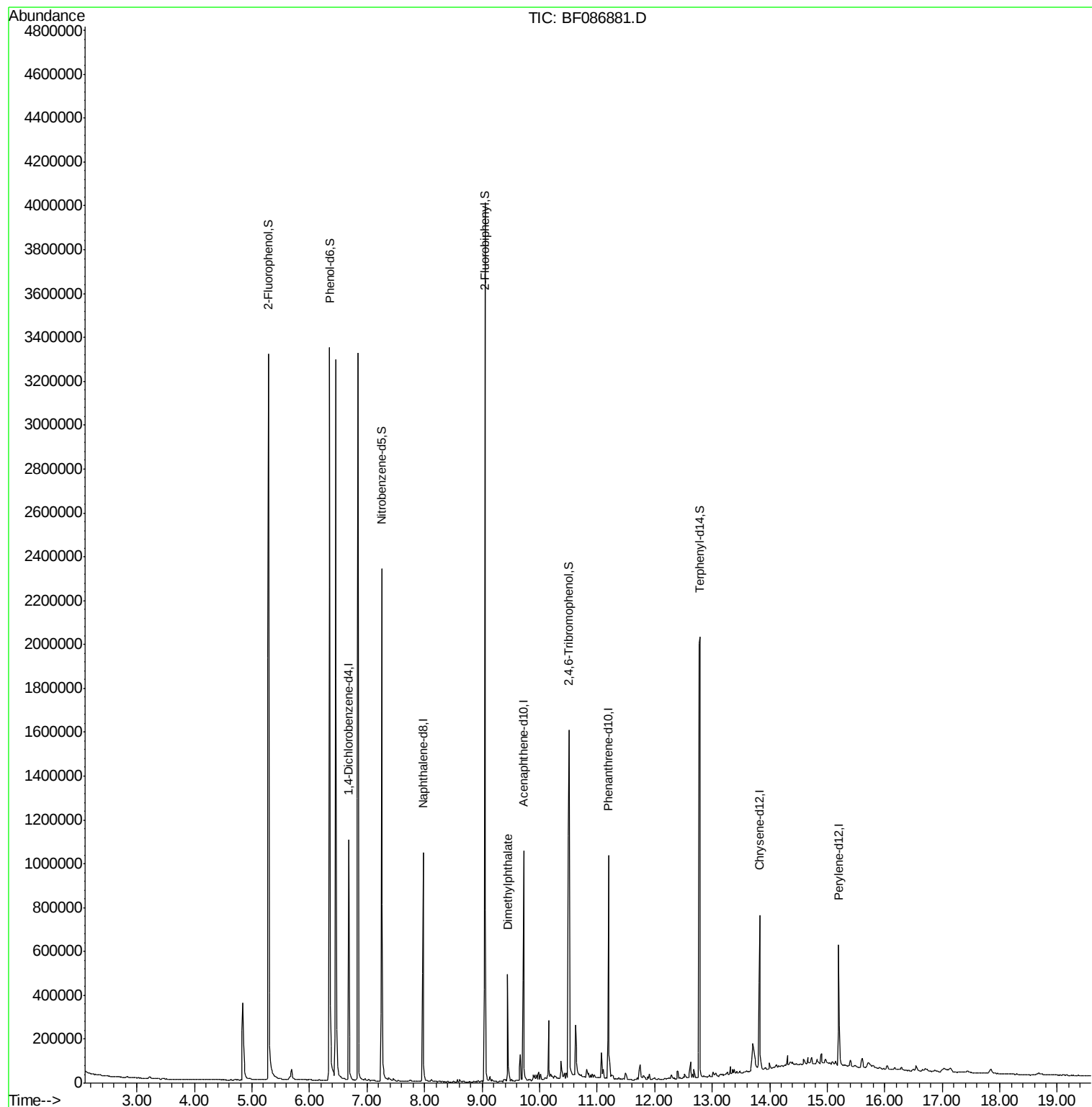
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.68  | 152  | 144625   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.97  | 136  | 525924   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.72  | 164  | 216167   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.20 | 188  | 345470   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.83 | 240  | 275706   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.20 | 264  | 229555   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 1025353  | 120.07 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 1357281  | 118.92 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 777435   | 74.23  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 237038   | 103.58 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 1136173  | 88.34  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.78 | 244  | 916834   | 70.56  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.45  | 163  | 165181   | 10.02  | ng    | 100      |

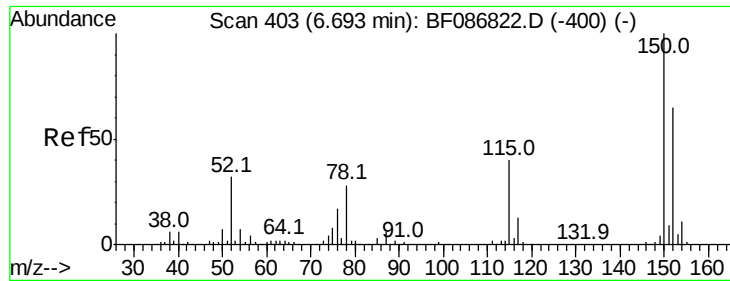
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\  
Data File : BF086881.D  
Acq On : 11 May 2016 5:12  
Operator : UM/SJ  
Sample : H2916-02  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VITALE-FILL-CSPH3-2K

Quant Time: May 11 08:25:12 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 09 16:04:56 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

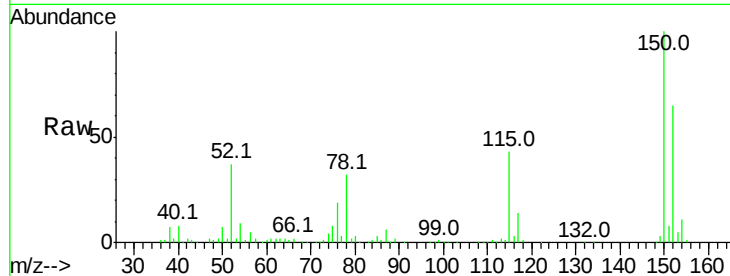
Tot Ion:152 Resp: 144625

Ion Ratio Lower Upper

152 100

150 153.4 125.8 188.6

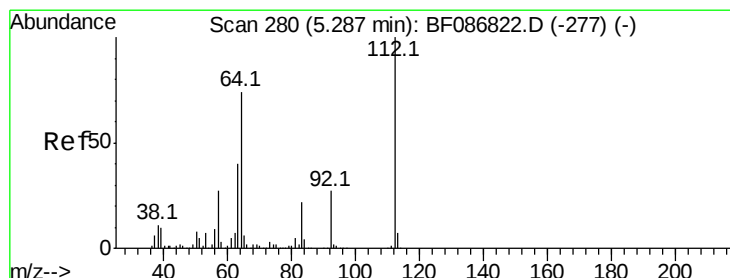
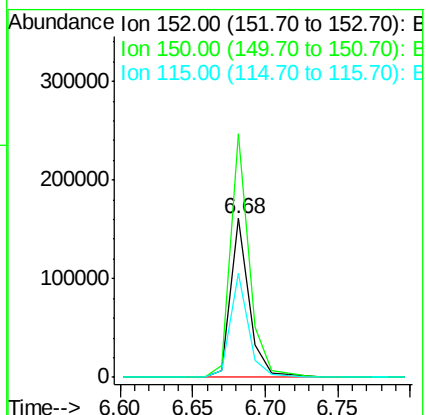
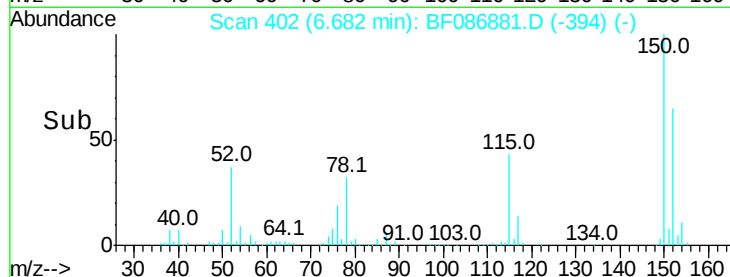
115 65.8 51.5 77.3



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: 120.07 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

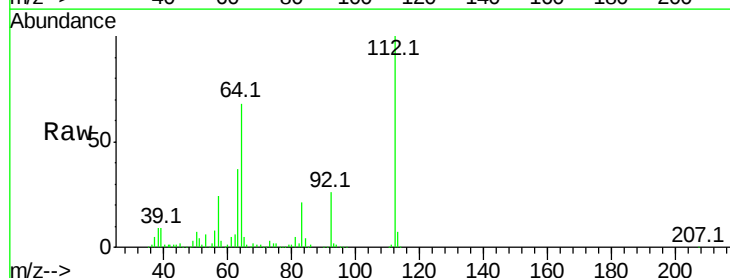
Tgt Ion:112 Resp: 1025353

Ion Ratio Lower Upper

112 100

64 67.5 52.1 78.1

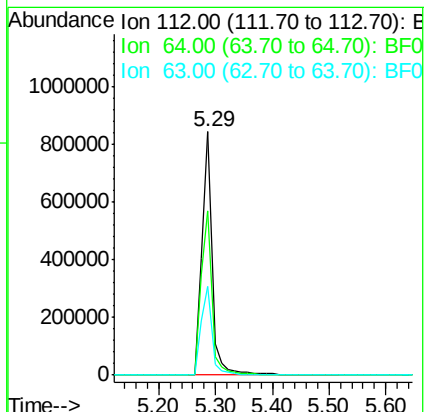
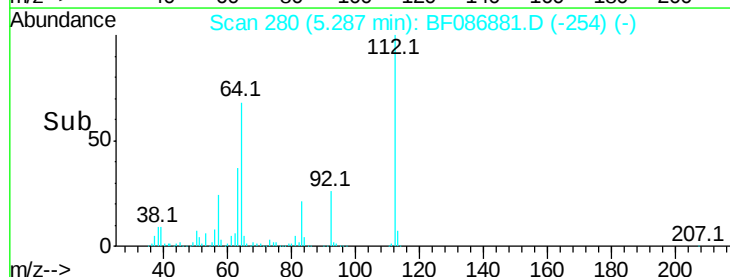
63 36.6 25.7 38.5

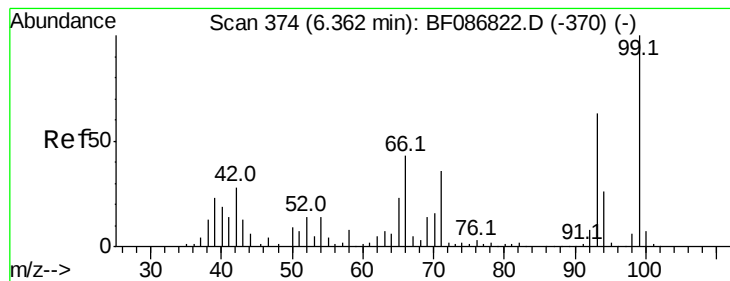


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.92 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

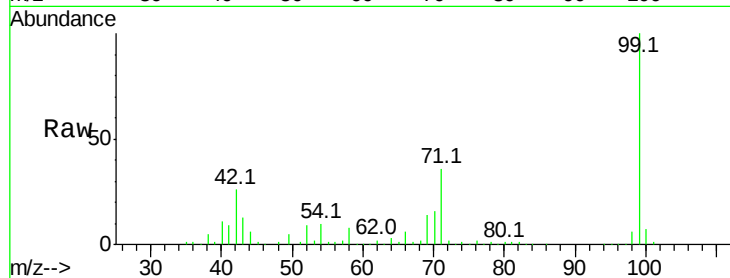
Tot Ion: 99 Resp: 1357281

Ion Ratio Lower Upper

99 100

42 26.4 13.6 20.4#

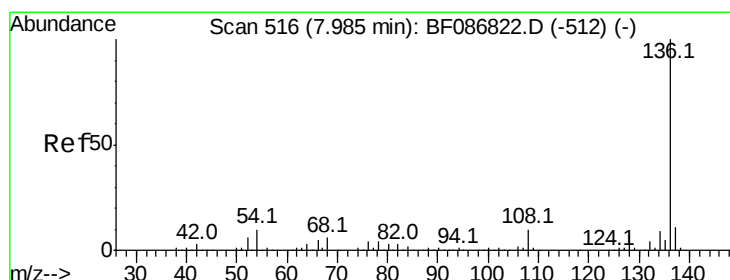
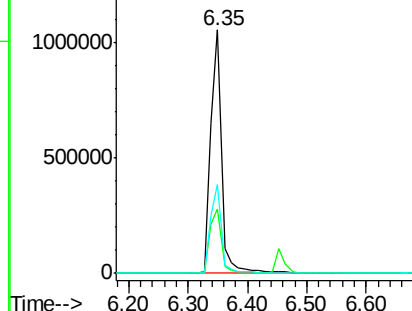
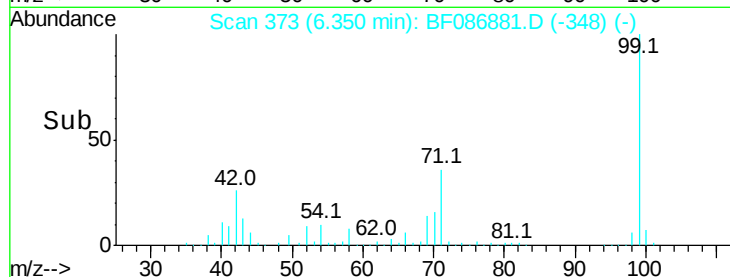
71 36.3 24.6 36.8



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: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Tgt Ion: 136 Resp: 525924

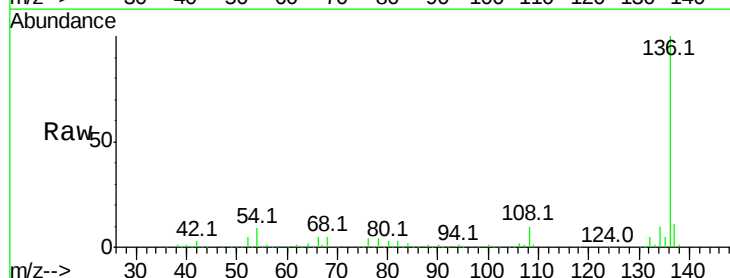
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.5 5.0 7.4#

68 5.5 4.4 6.6

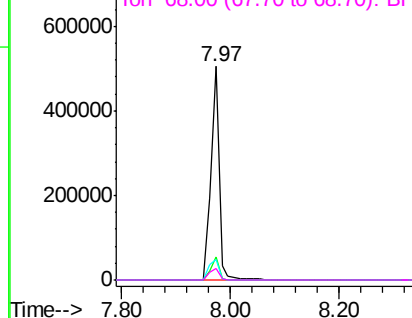
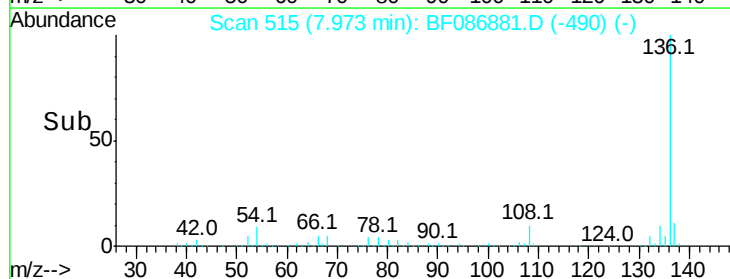


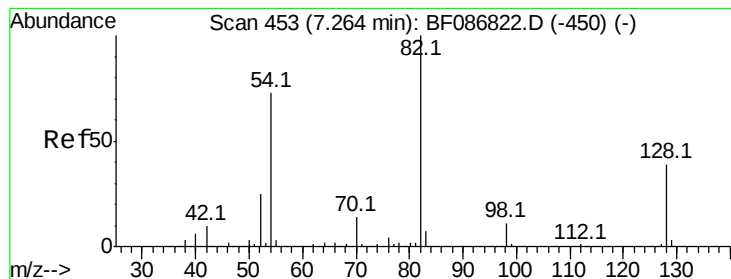
Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.23 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

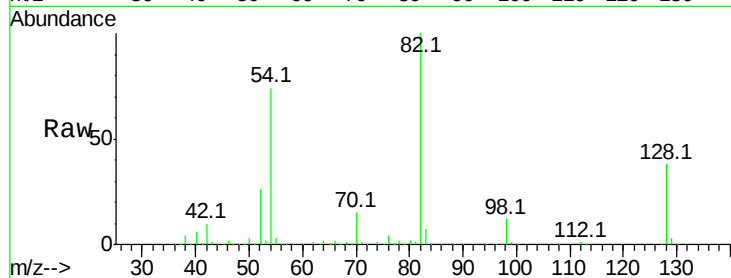
Tot Ion: 82 Resp: 777435

Ion Ratio Lower Upper

82 100

128 37.5 40.6 61.0#

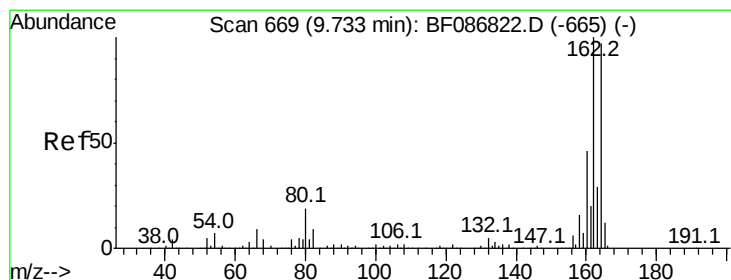
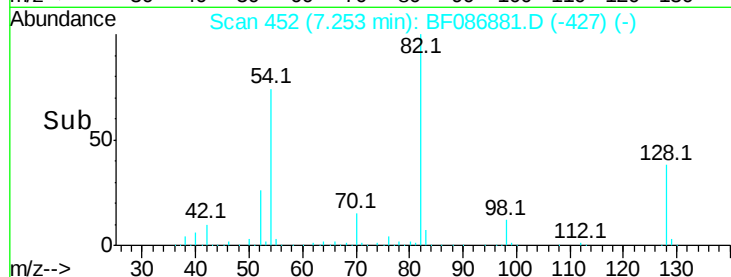
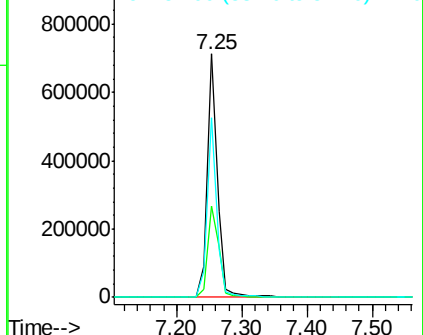
54 73.6 38.1 57.1#



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: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

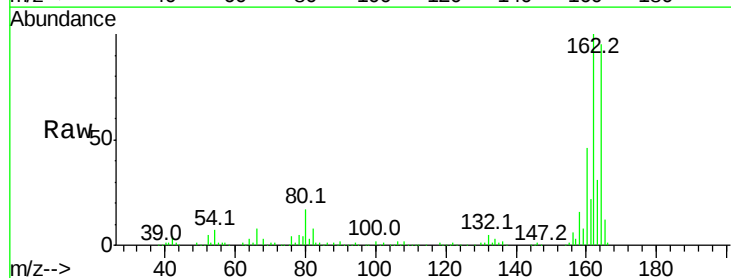
Tgt Ion: 164 Resp: 216167

Ion Ratio Lower Upper

164 100

162 104.8 82.8 124.2

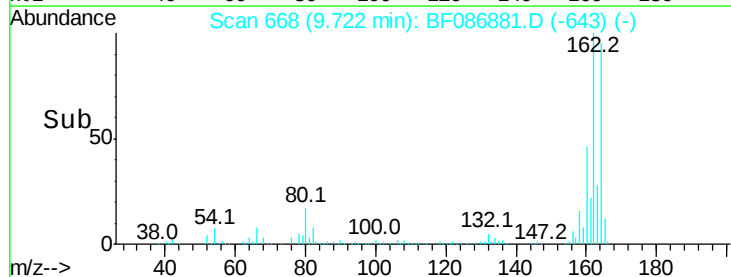
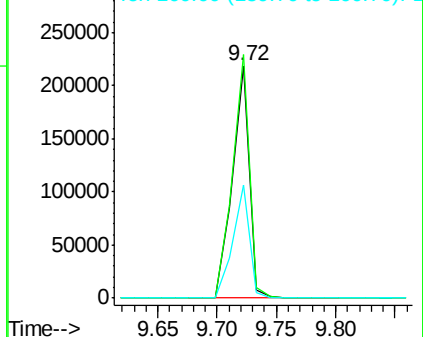
160 48.6 36.9 55.3



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

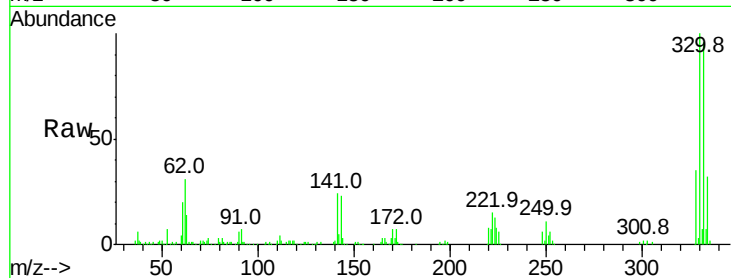




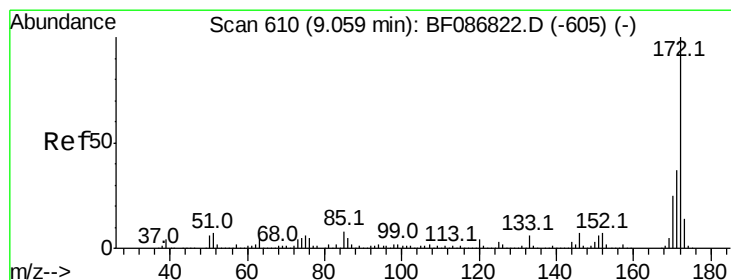
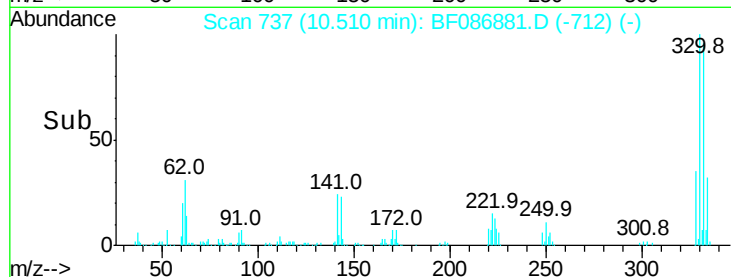
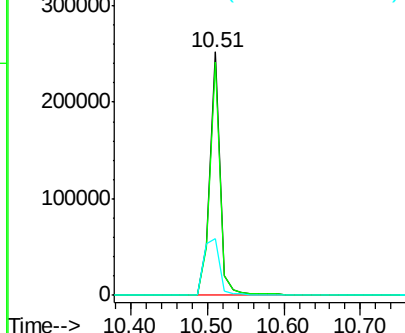
#41  
 2,4,6-Tribromophenol  
 Concen: 103.58 ng  
 RT: 10.51 min Scan# 737  
 Delta R.T. -0.01 min  
 Lab File: BF086881.D  
 Acq: 11 May 2016 5:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-CSPH3-2K

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 79.0  | 118.4 |
| 141     | 35.9  | 31.2  | 46.8  |

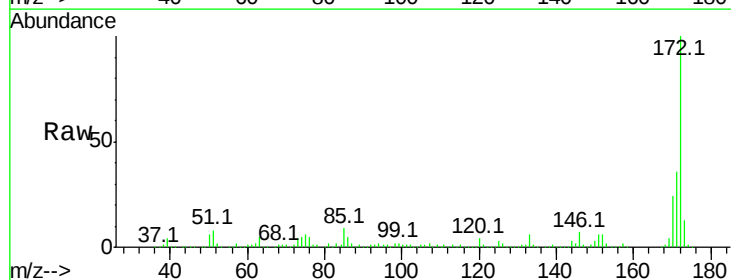


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

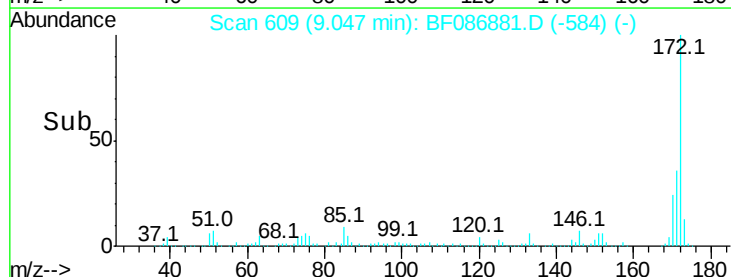
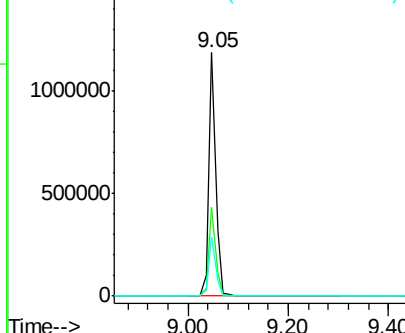


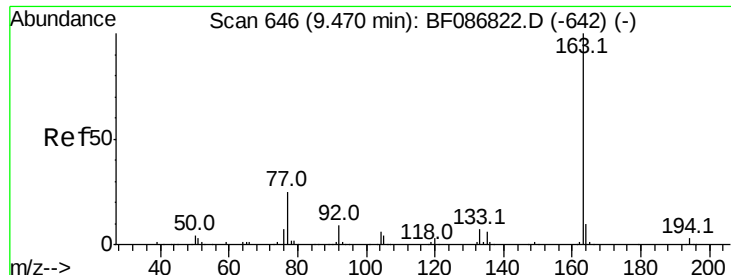
#44  
 2-Fluorobiphenyl  
 Concen: 88.34 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.01 min  
 Lab File: BF086881.D  
 Acq: 11 May 2016 5:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.0  | 43.6  |
| 170     | 24.2  | 19.8  | 29.8  |



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





#49

Dimethylphthalate

Concen: 10.02 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

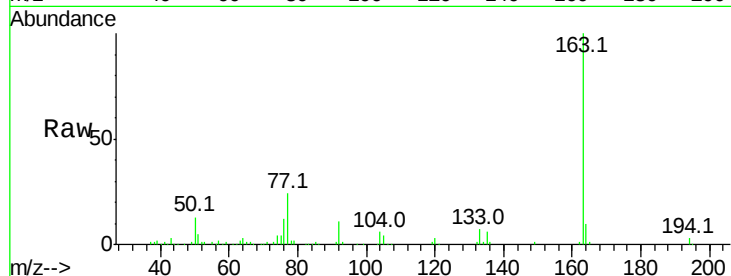
Tot Ion:163 Resp: 165181

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 10.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

250000

200000

150000

100000

50000

0

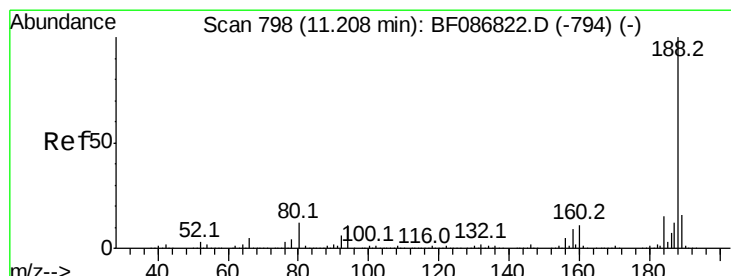
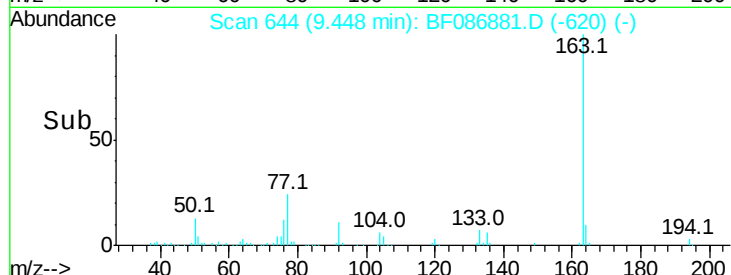
9.45

9.40

9.50

9.60

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

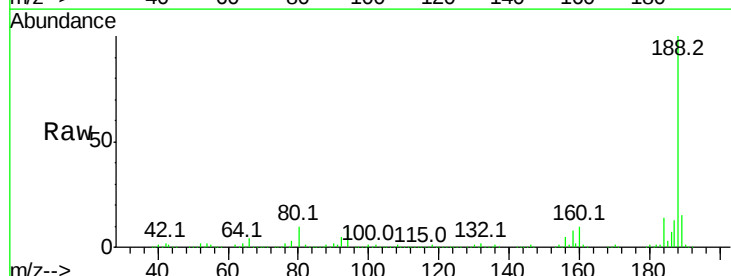
Tgt Ion:188 Resp: 345470

Ion Ratio Lower Upper

188 100

94 9.3 6.8 10.2

80 9.9 7.1 10.7



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

500000

400000

300000

200000

100000

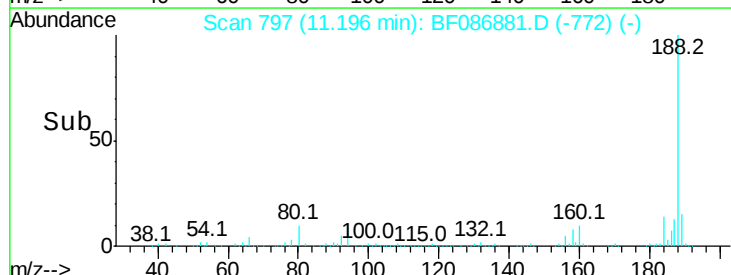
0

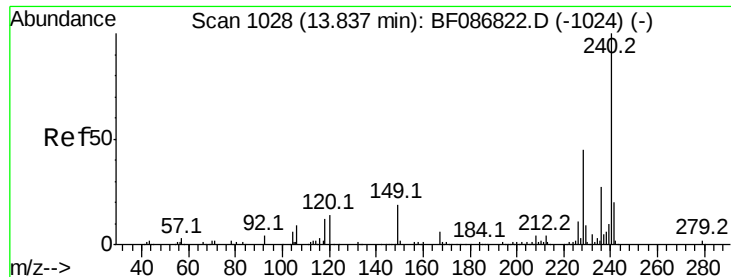
11.20

11.15

11.25

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

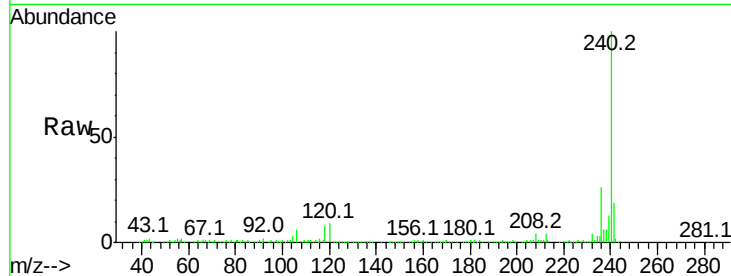
Tot Ion:240 Resp: 275706

Ion Ratio Lower Upper

240 100

120 8.7 11.2 16.8#

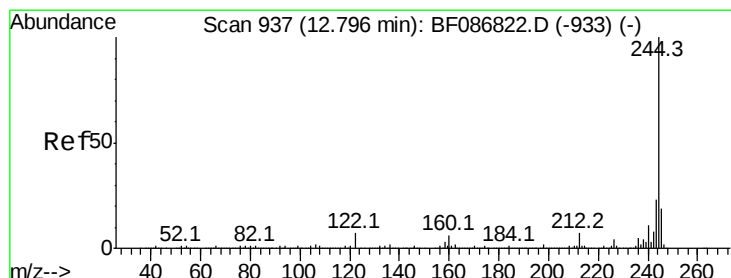
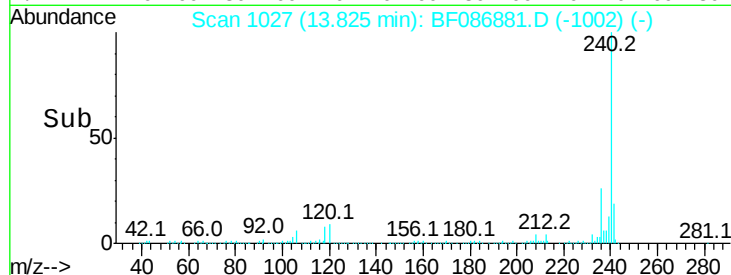
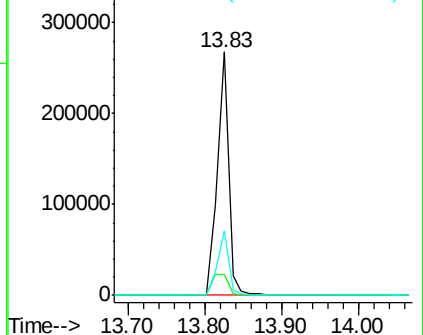
236 26.2 21.2 31.8



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: 70.56 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

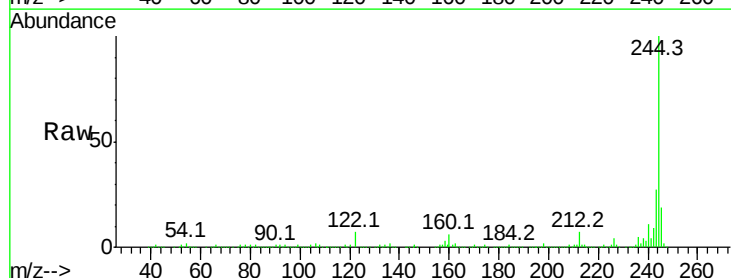
Tgt Ion:244 Resp: 916834

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

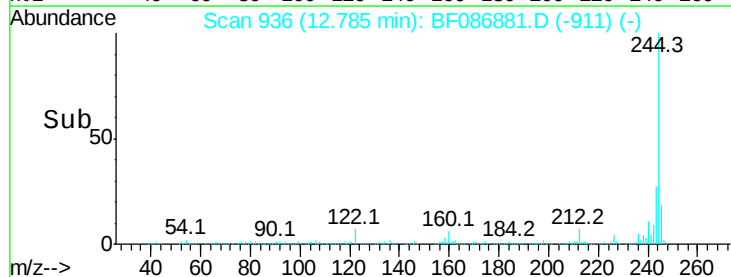
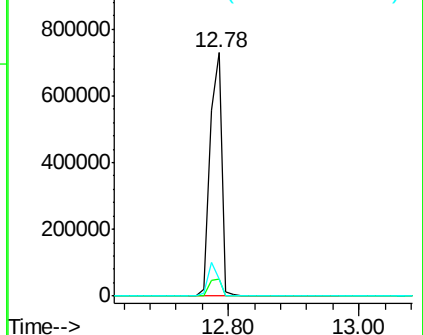
122 6.9 12.0 18.0#

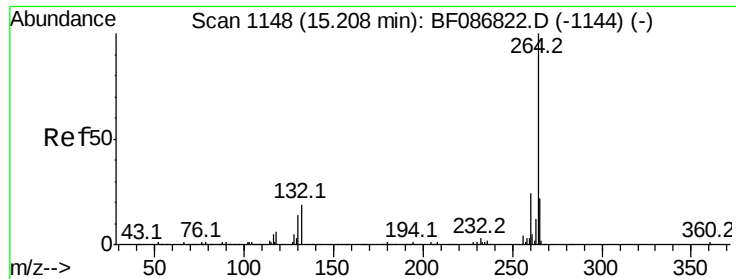


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.20 min Scan# 1147  
 Delta R.T. -0.01 min  
 Lab File: BF086881.D  
 Acq: 11 May 2016 5:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-CSPH3-2K

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.5  | 29.3  |
| 265     | 21.6  | 17.3  | 25.9  |

