

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\  
 Data File : BF093581.D  
 Acq On : 11 Mar 2017 21:38  
 Operator : SJ/MA  
 Sample : I2228-02 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 13 16:49:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 15:05:08 2017  
 Response via : Initial Calibration

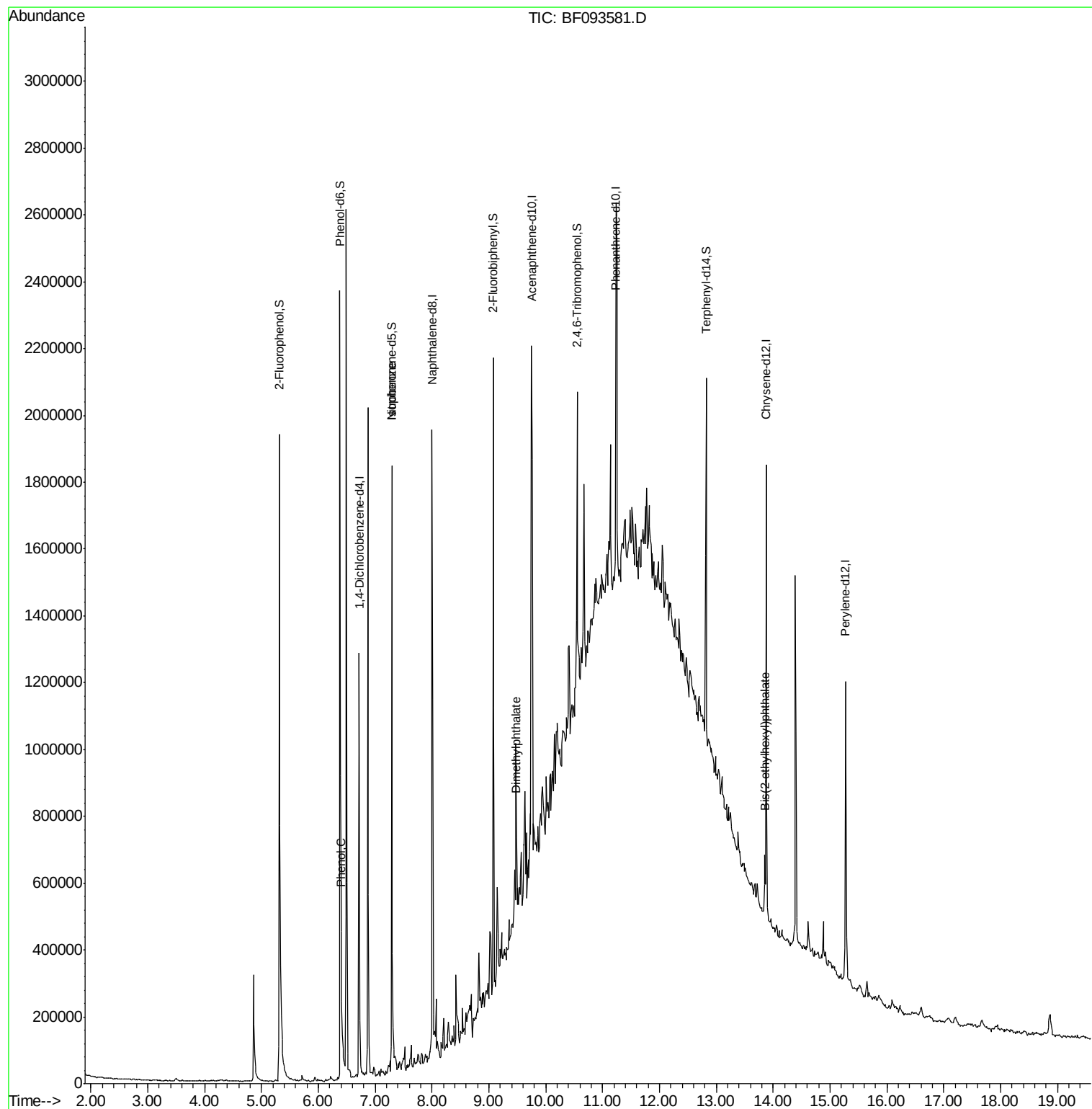
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 263330   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 1016150  | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 428144   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.24 | 188  | 629269   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.88 | 240  | 495121   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.27 | 264  | 457044   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 734640   | 46.43     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.38  | 99   | 1026154  | 51.43     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 590535   | 32.24     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 111927   | 40.13     | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 686201   | 29.81     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.82 | 244  | 406958   | 21.37     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.38  | 77   | 2843     | Below Cal | #     | 1        |
| 10) Phenol                     | 6.40  | 94   | 52929    | 2.16      | ng    | 93       |
| 25) Isophorone                 | 7.29  | 82   | 589737   | 15.97     | ng    | # 65     |
| 49) Dimethylphthalate          | 9.49  | 163  | 103450   | 3.64      | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149  | 62104    | 2.94      | ng    | # 94     |

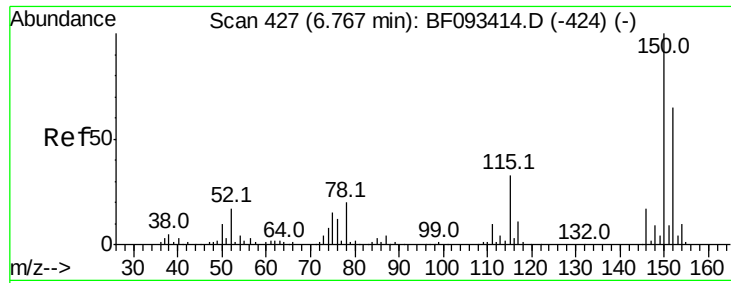
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Instrument :

BNA\_F

ClientSampleId :

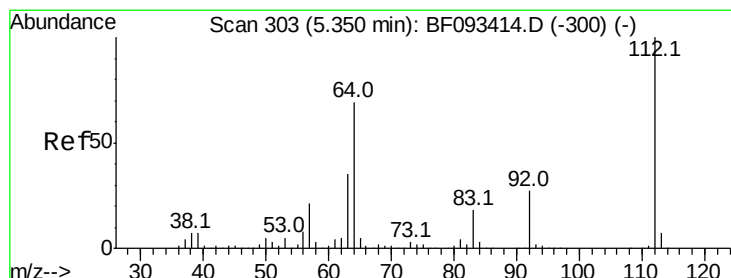
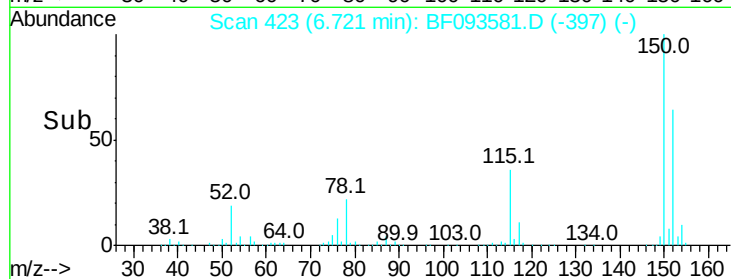
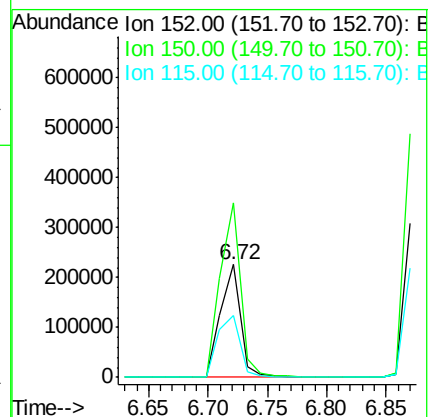
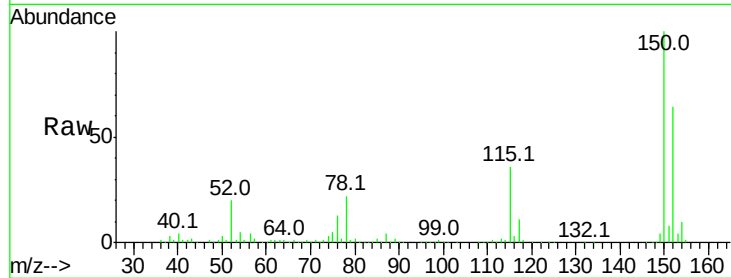
Tot Ion:152 Resp: 263330

Ion Ratio Lower Upper

152 100

150 155.1 124.9 187.3

115 55.1 46.0 69.0



#5

2-Fluorophenol

Concen: 46.43 ng

RT: 5.32 min Scan# 300

Delta R.T. -0.00 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

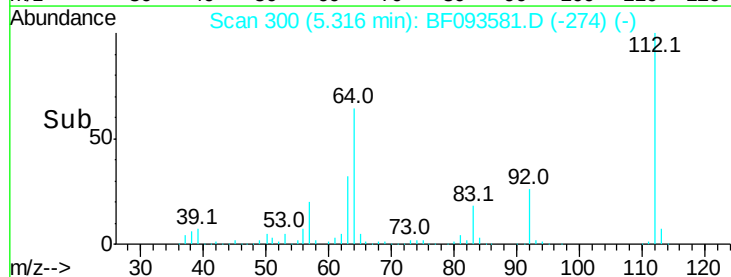
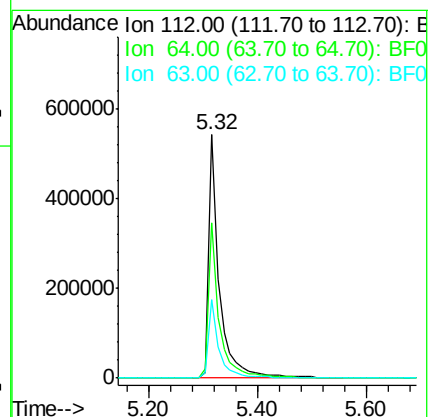
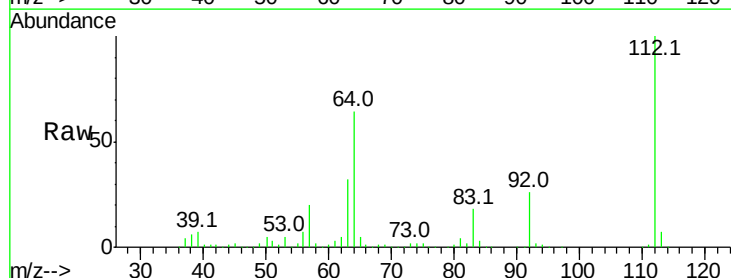
Tgt Ion:112 Resp: 734640

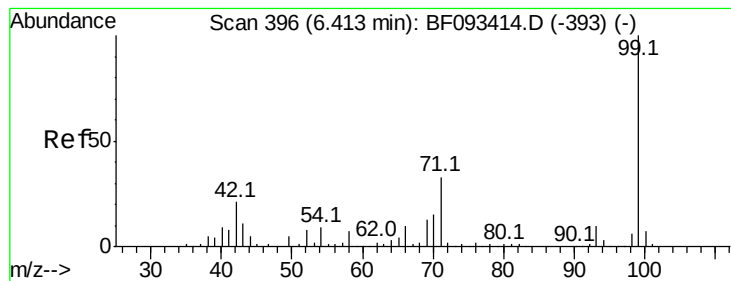
Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

63 32.2 23.8 35.6





#7

Phenol-d6

Concen: 51.43 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Instrument :

BNA\_F

ClientSampled :

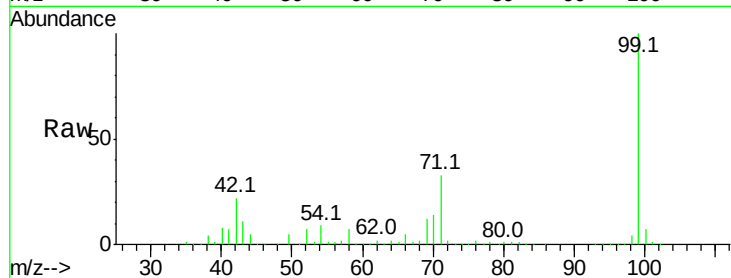
Tot Ion: 99 Resp: 1026154

Ion Ratio Lower Upper

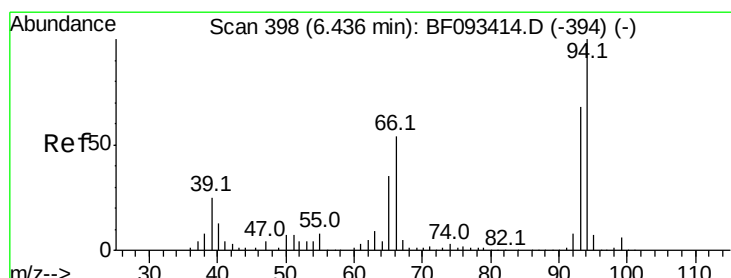
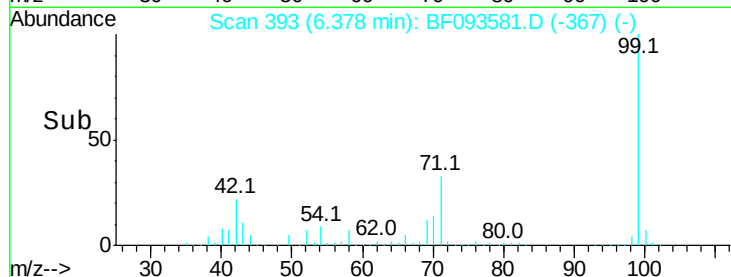
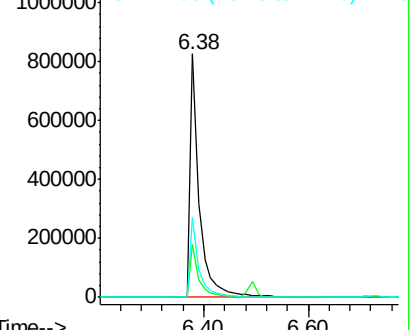
99 100

42 21.6 15.6 23.4

71 32.7 27.5 41.3



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



#10

Phenol

Concen: 2.16 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

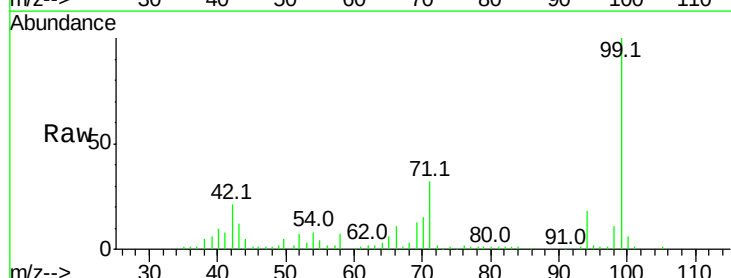
Tgt Ion: 94 Resp: 52929

Ion Ratio Lower Upper

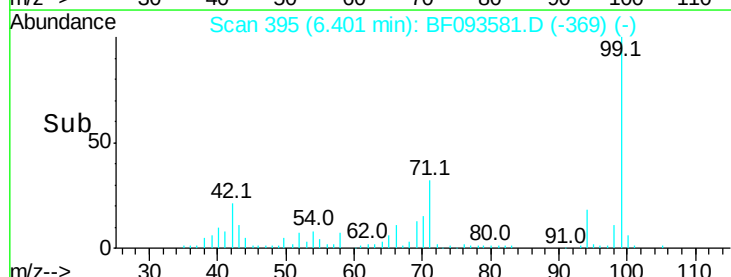
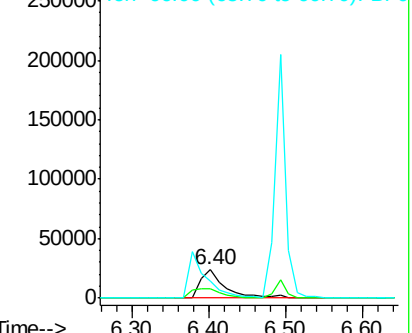
94 100

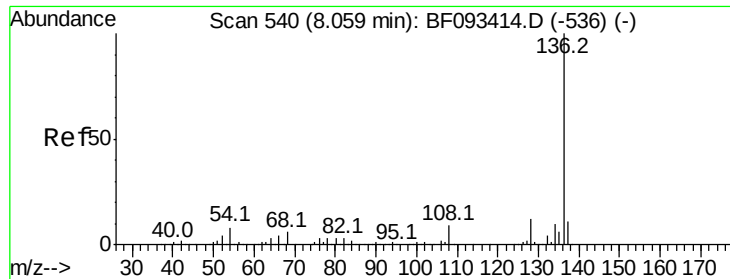
65 34.7 21.4 61.4

66 60.4 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

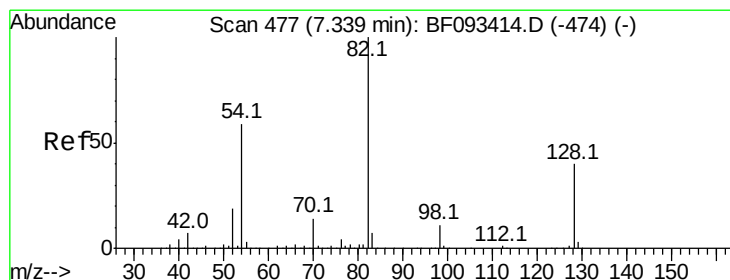
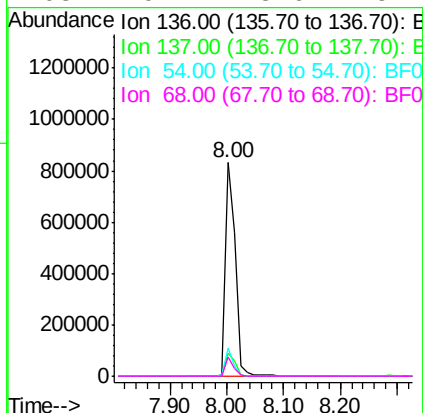
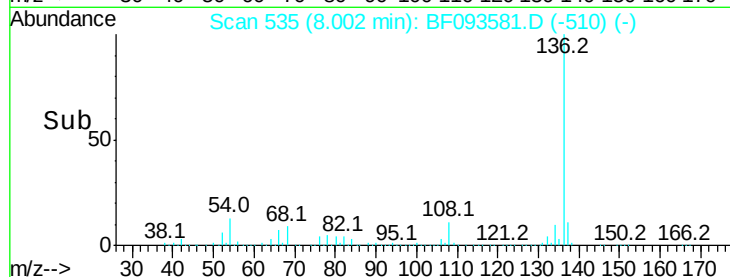
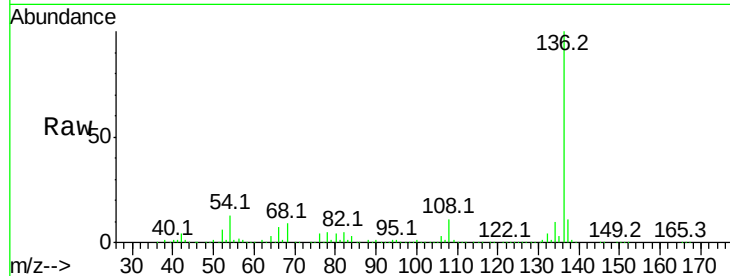
Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:136 Resp: 1016150

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.4   | 12.6  |
| 54  | 13.2  | 4.5   | 6.7#  |
| 68  | 9.2   | 3.6   | 5.4#  |



#23

Nitrobenzene-d5

Concen: 32.24 ng

RT: 7.29 min Scan# 473

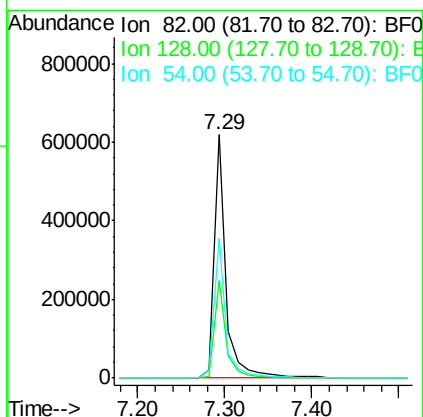
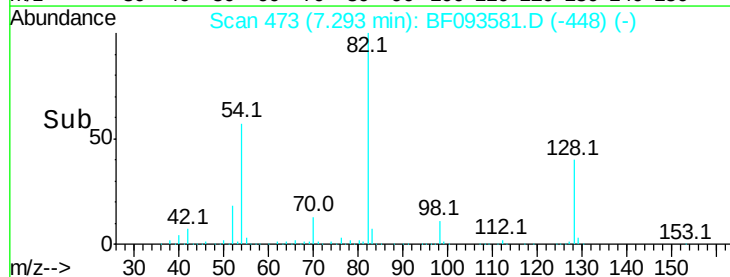
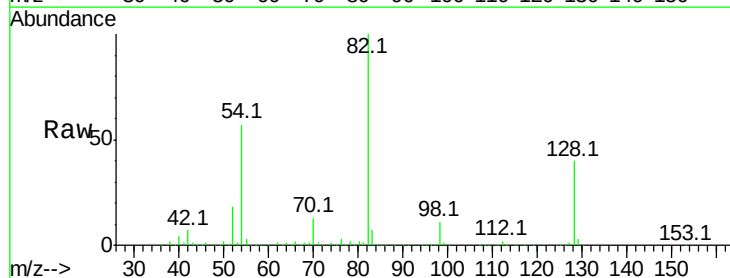
Delta R.T. -0.01 min

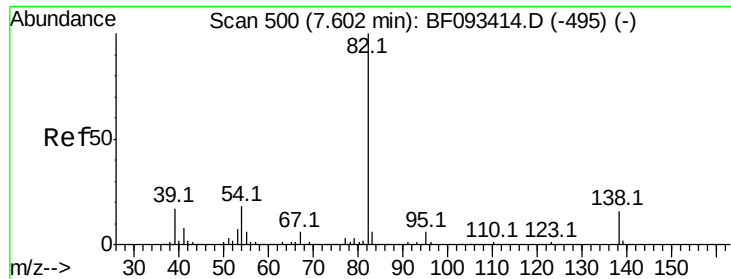
Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Tgt Ion: 82 Resp: 590535

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 39.9  | 34.6  | 52.0  |
| 54  | 57.4  | 39.5  | 59.3  |





#25

Isophorone

Concen: 15.97 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.26 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Instrument :

BNA\_F

ClientSampleId :

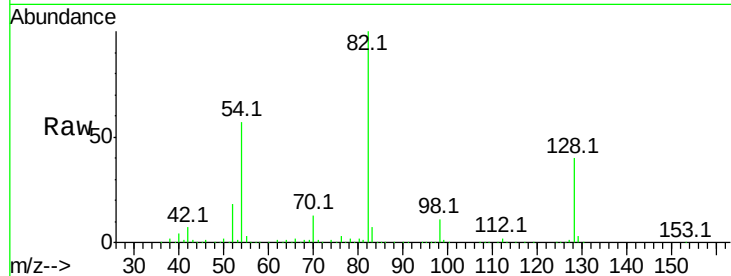
Tot Ion: 82 Resp: 589737

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

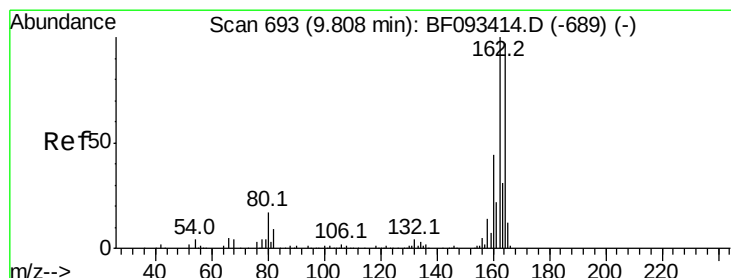
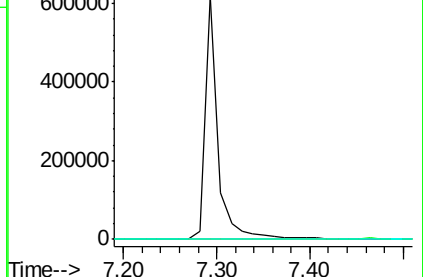
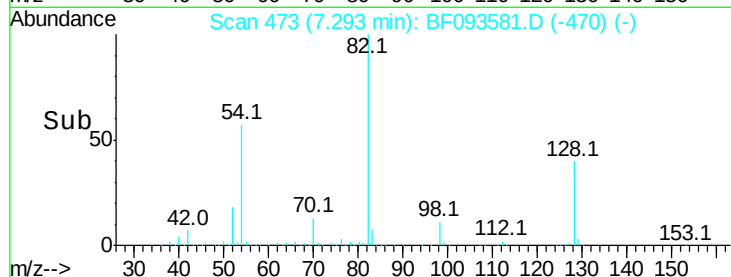
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

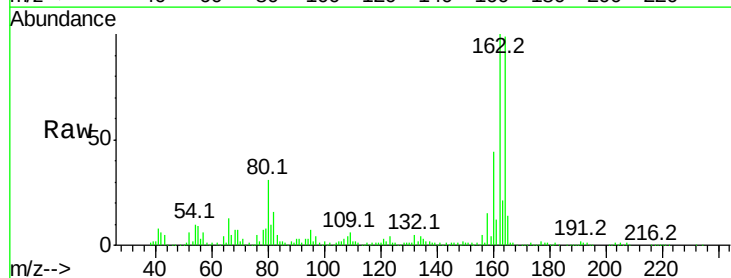
Tgt Ion:164 Resp: 428144

Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

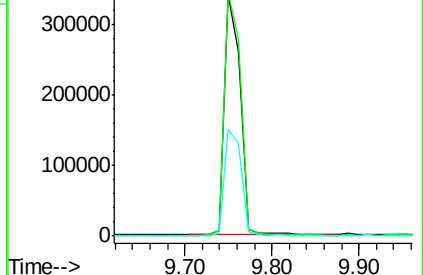
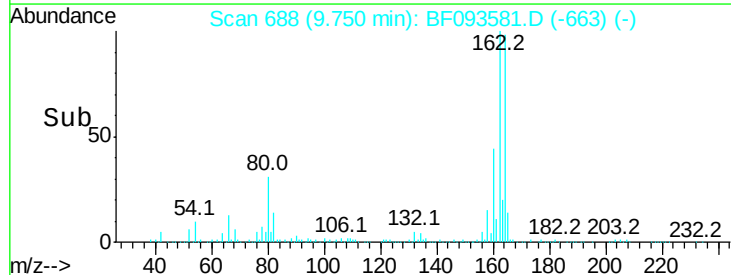
160 44.1 36.9 55.3

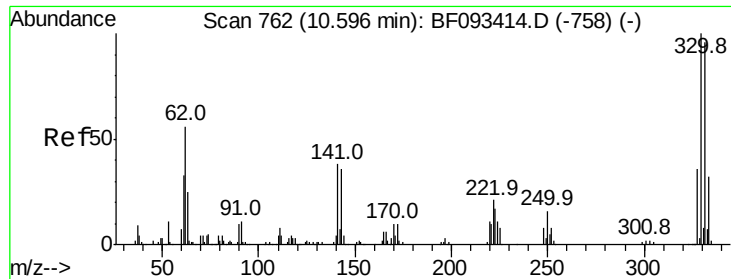


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

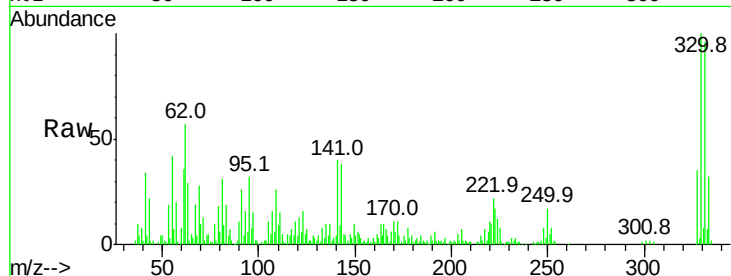




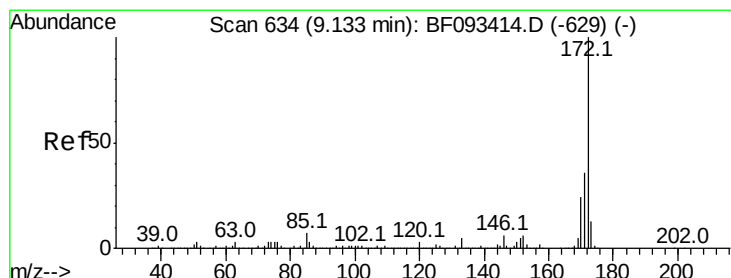
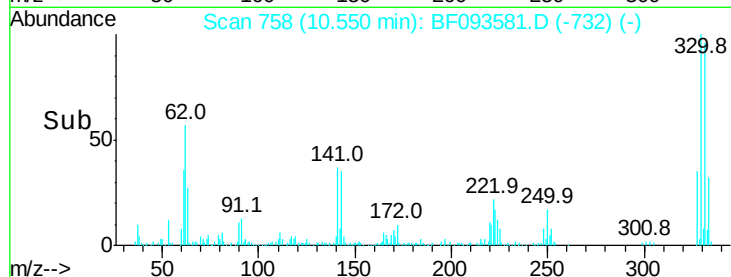
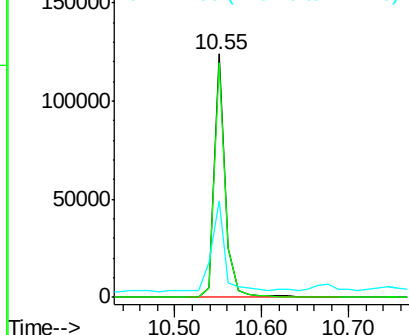
#41  
 2,4,6-Tribromophenol  
 Concen: 40.13 ng  
 RT: 10.55 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: BF093581.D  
 Acq: 11 Mar 2017 21:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 111927  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.4 116.2  
 141 42.7 34.1 51.1

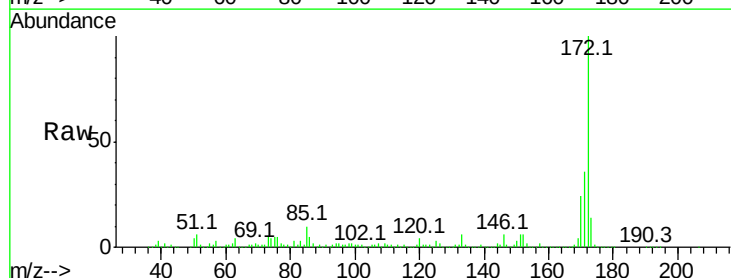


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

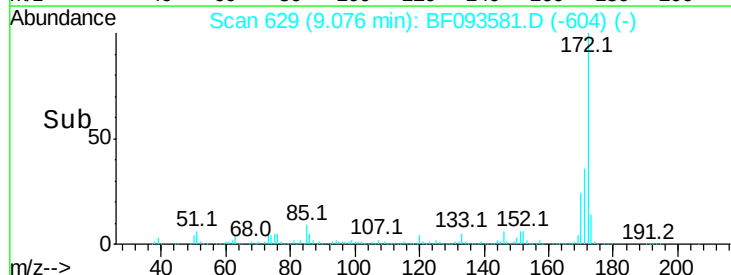
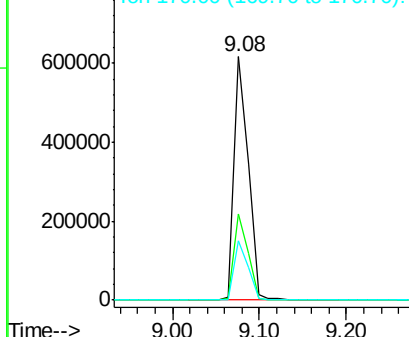


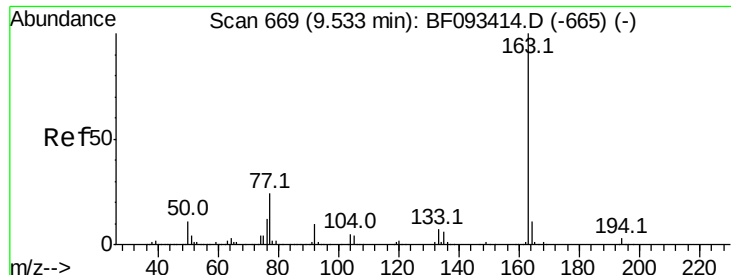
#44  
 2-Fluorobiphenyl  
 Concen: 29.81 ng  
 RT: 9.08 min Scan# 629  
 Delta R.T. -0.01 min  
 Lab File: BF093581.D  
 Acq: 11 Mar 2017 21:38

Tgt Ion:172 Resp: 686201  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.4 44.0  
 170 24.3 20.2 30.4



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: 3.64 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Instrument :

BNA\_F

ClientSampleId :

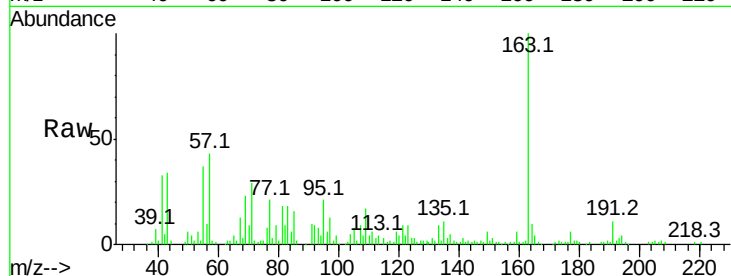
Tot Ion:163 Resp: 103450

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

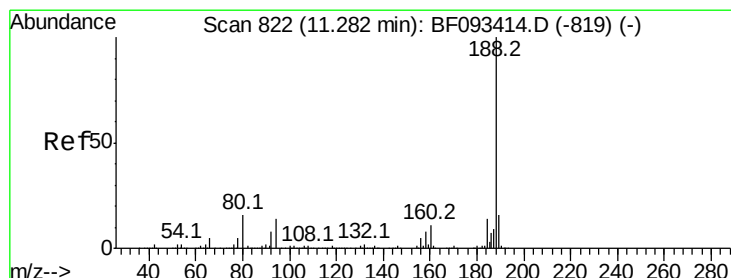
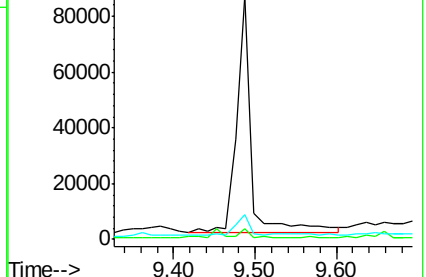
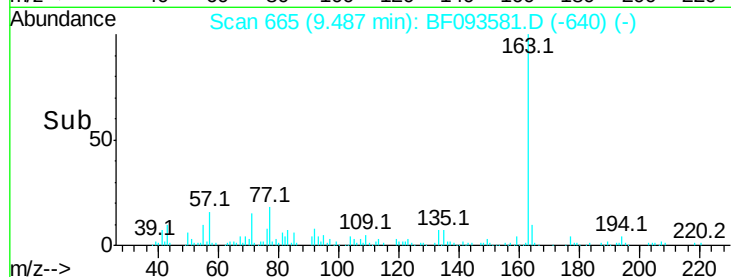
164 10.3 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

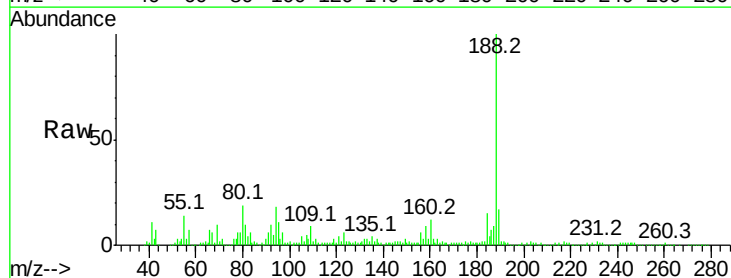
Tgt Ion:188 Resp: 629269

Ion Ratio Lower Upper

188 100

94 17.6 10.0 15.0#

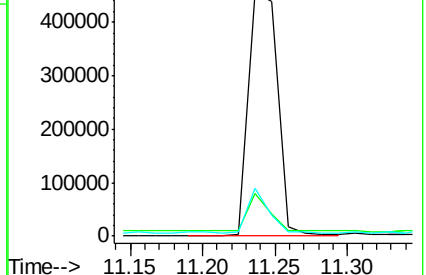
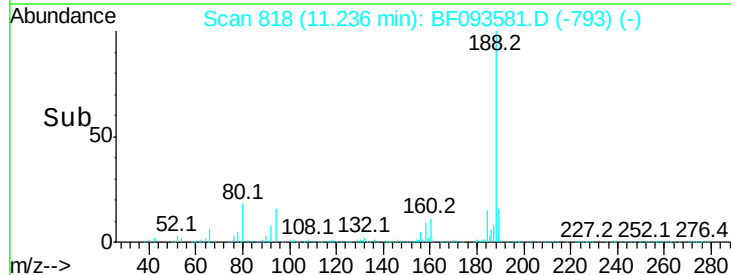
80 19.4 11.2 16.8#



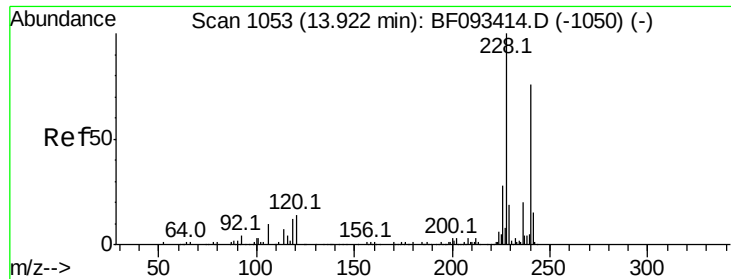
Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

Instrument :

BNA\_F

ClientSampleId :

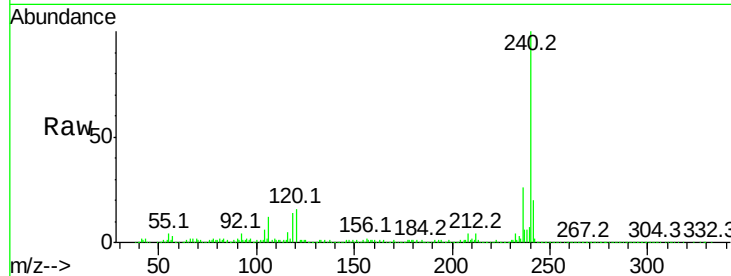
Tot Ion:240 Resp: 495121

Ion Ratio Lower Upper

240 100

120 16.4 12.9 19.3

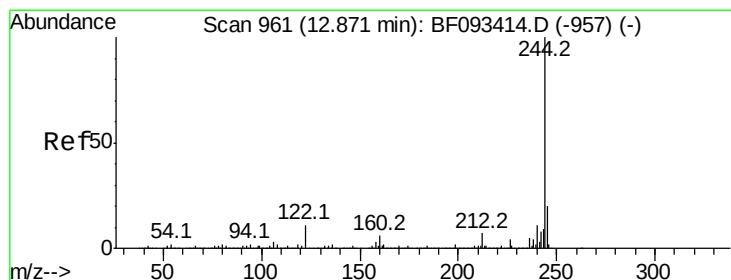
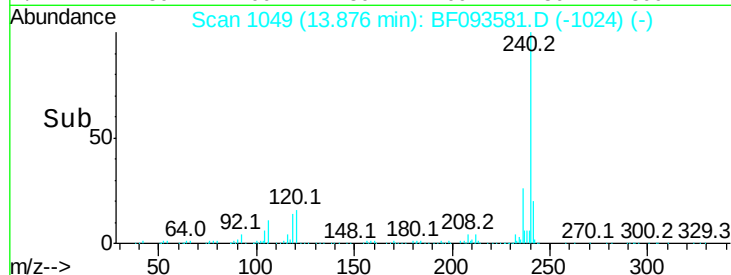
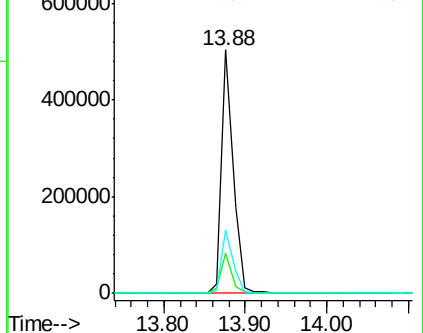
236 26.0 20.9 31.3



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: 21.37 ng

RT: 12.82 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093581.D

Acq: 11 Mar 2017 21:38

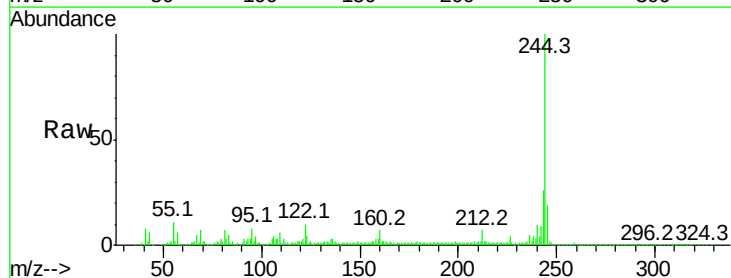
Tgt Ion:244 Resp: 406958

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

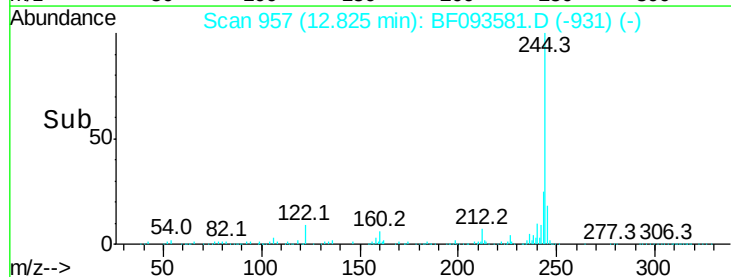
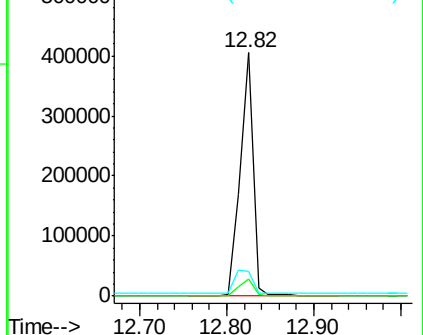
122 10.3 11.4 17.2#

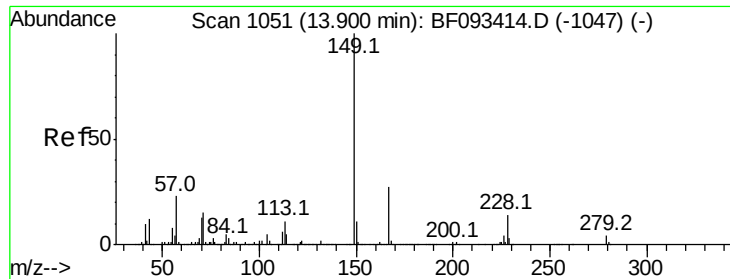


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

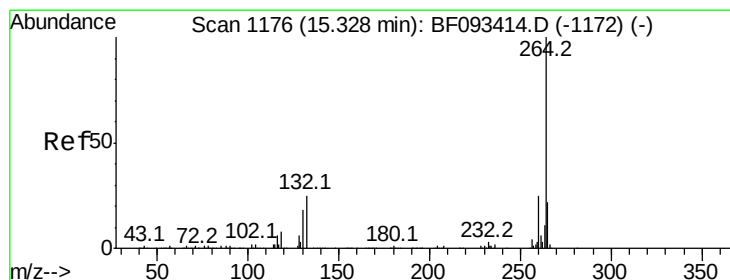
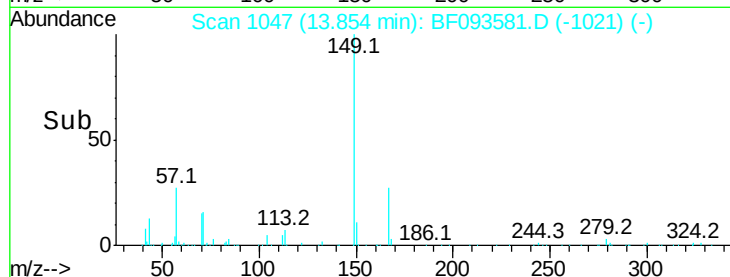
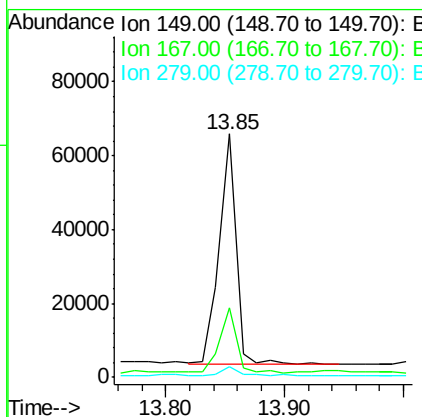
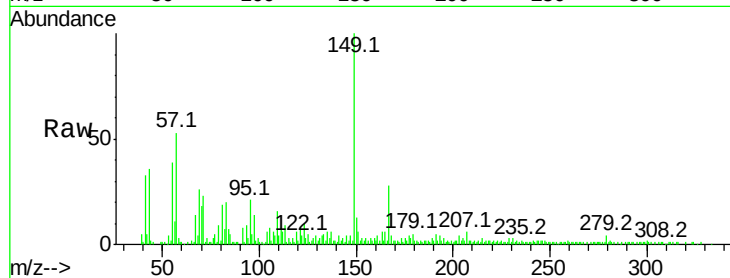




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.94 ng  
 RT: 13.85 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: BF093581.D  
 Acq: 11 Mar 2017 21:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:149 Resp: 62104  
 Ion Ratio Lower Upper  
 149 100  
 167 28.5 20.2 30.4  
 279 4.3 1.8 2.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.27 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: BF093581.D  
 Acq: 11 Mar 2017 21:38

Tgt Ion:264 Resp: 457044  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.2 28.8  
 265 22.5 17.4 26.0

