

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\  
 Data File : BF086092.D  
 Acq On : 6 Apr 2016 12:15  
 Operator : UM/SJ  
 Sample : H2028-03DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W3DAY1DL

Quant Time: Apr 07 01:30:24 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

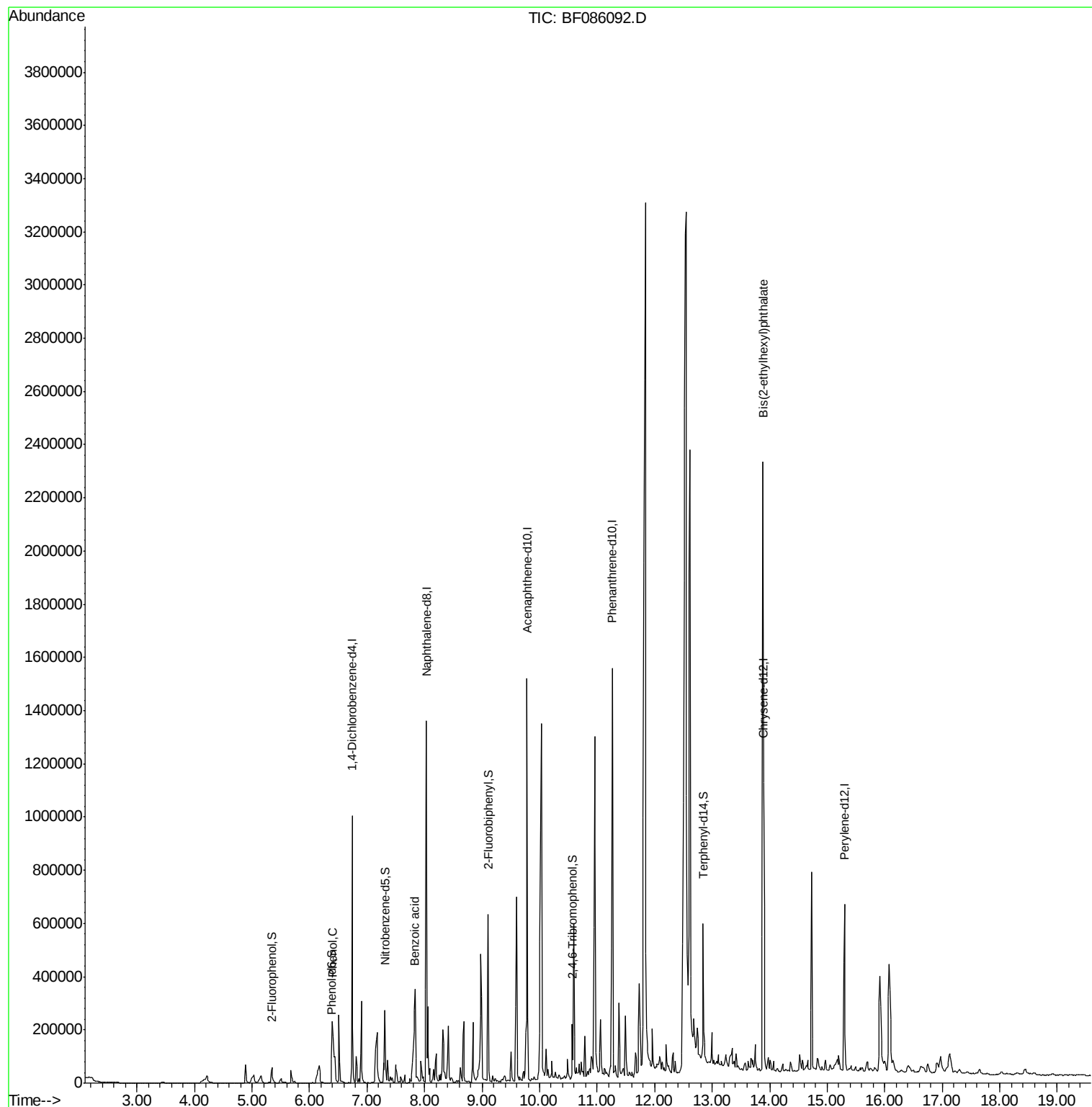
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 149212   | 20.00 | ng    | -0.03     |
| 21) Naphthalene-d8             | 8.03  | 136  | 639607   | 20.00 | ng    | -0.03     |
| 38) Acenaphthene-d10           | 9.78  | 164  | 278620   | 20.00 | ng    | -0.03     |
| 63) Phenanthrene-d10           | 11.26 | 188  | 537067   | 20.00 | ng    | -0.03     |
| 75) Chrysene-d12               | 13.89 | 240  | 361533   | 20.00 | ng    | -0.03     |
| 86) Perylene-d12               | 15.30 | 264  | 293085   | 20.00 | ng    | -0.03     |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.34  | 112  | 34658    | 3.97  | ng    | -0.02     |
| 7) Phenol-d6                   | 6.38  | 99   | 33446    | 3.02  | ng    | -0.03     |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 90716    | 8.36  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 20701    | 7.92  | ng    | -0.03     |
| 44) 2-Fluorobiphenyl           | 9.10  | 172  | 178366   | 10.64 | ng    | -0.03     |
| 78) Terphenyl-d14              | 12.84 | 244  | 138829   | 9.03  | ng    | -0.03     |
| Target Compounds               |       |      |          |       |       |           |
| 10) Phenol                     | 6.40  | 94   | 104648   | 8.27  | ng    | Qvalue 97 |
| 32) Benzoic acid               | 7.82  | 122  | 56119    | 7.50  | ng    | 98        |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149  | 646918   | 42.49 | ng    | # 98      |

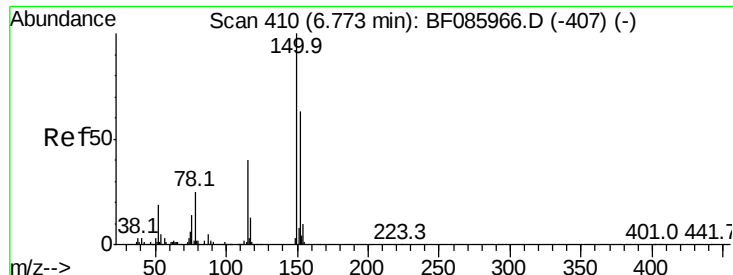
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

Instrument :

BNA\_F

ClientSampleId :

W3DAY1DL

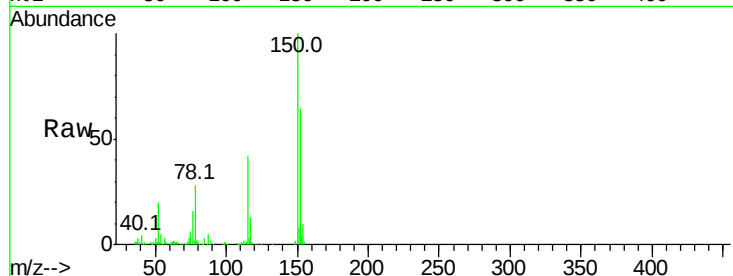
Tot Ion:152 Resp: 149212

Ion Ratio Lower Upper

152 100

150 157.3 124.2 186.2

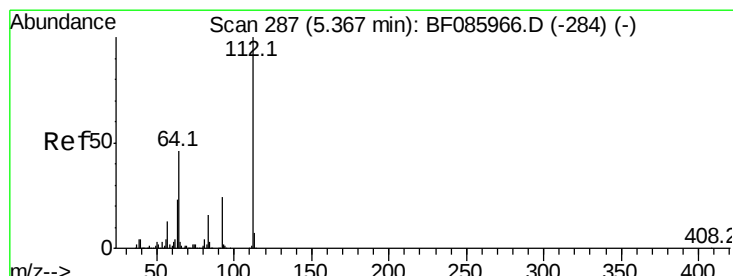
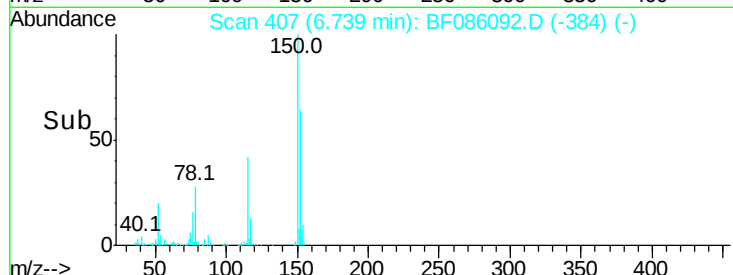
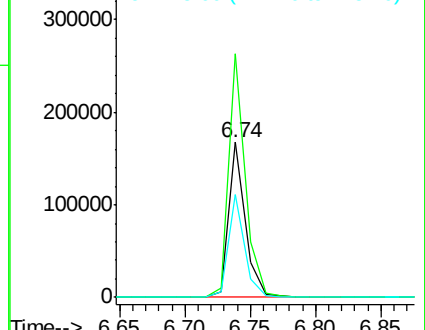
115 66.3 47.0 70.6



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: 3.97 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

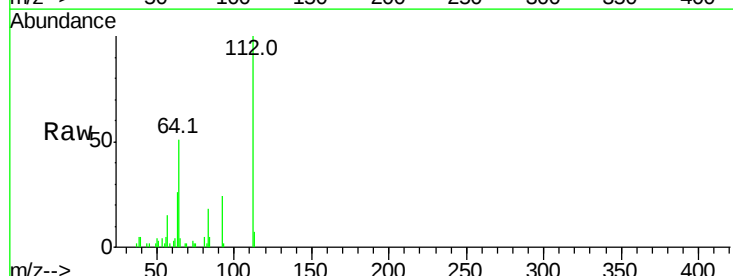
Tgt Ion:112 Resp: 34658

Ion Ratio Lower Upper

112 100

64 50.7 39.9 59.9

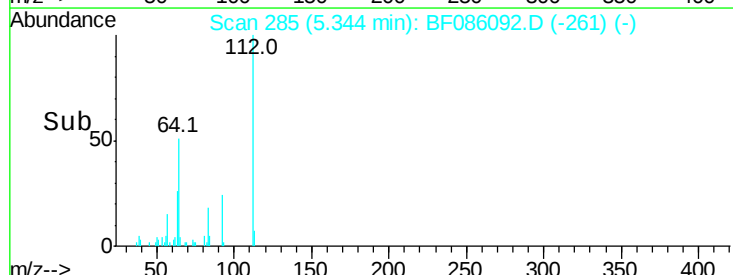
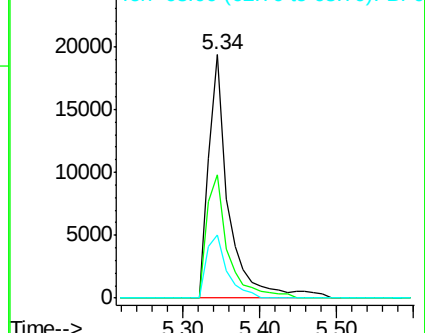
63 25.8 20.2 30.2

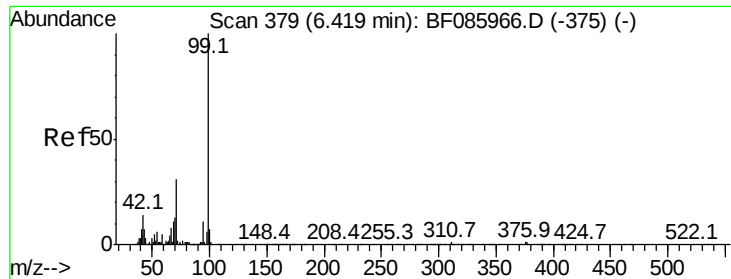


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.02 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

Instrument :

BNA\_F

ClientSampleId :

W3DAY1DL

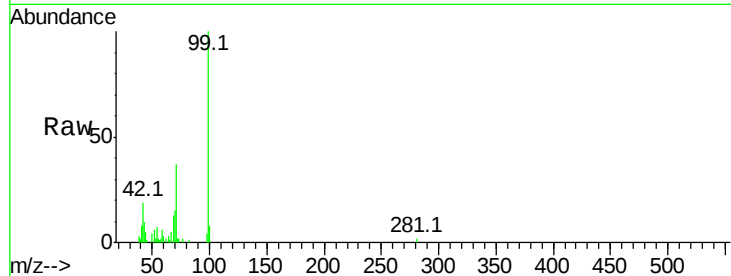
Tot Ion: 99 Resp: 33446

Ion Ratio Lower Upper

99 100

42 19.3 11.1 16.7#

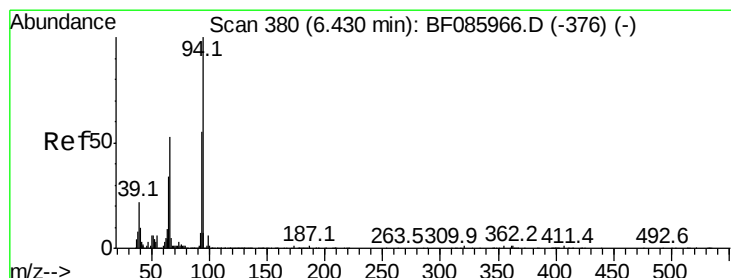
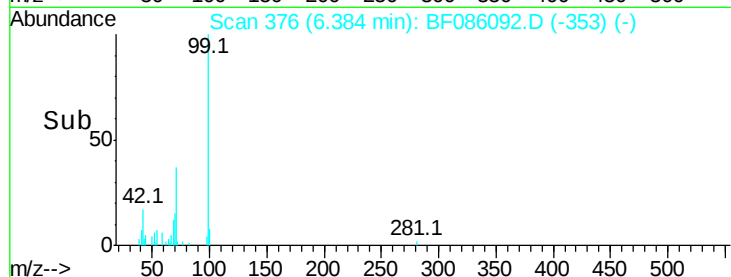
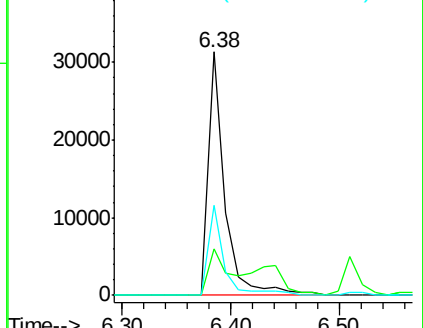
71 37.2 24.9 37.3



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: 8.27 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

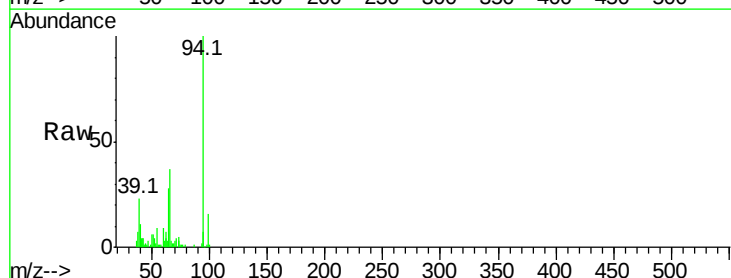
Tgt Ion: 94 Resp: 104648

Ion Ratio Lower Upper

94 100

65 27.8 8.6 48.6

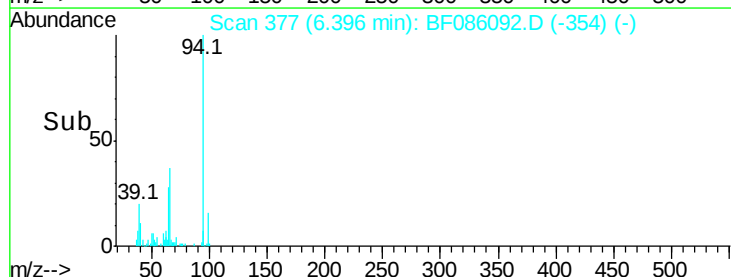
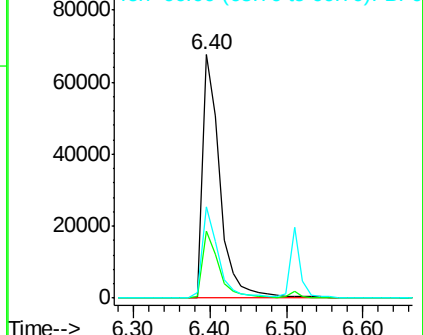
66 37.3 20.0 60.0

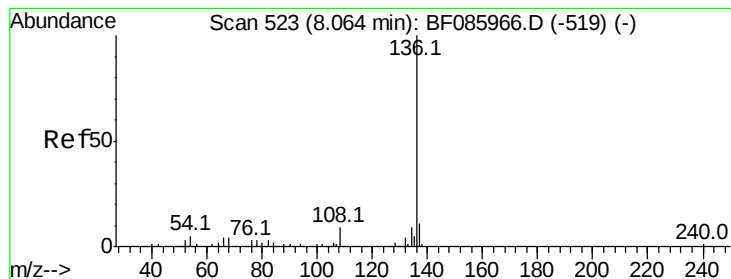


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

Instrument :

BNA\_F

ClientSampleId :

W3DAY1DL

Tot Ion:136 Resp: 639607

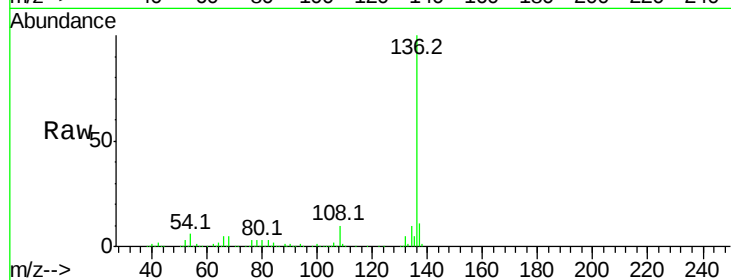
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.2 7.4 11.0#

68 5.4 5.8 8.8#



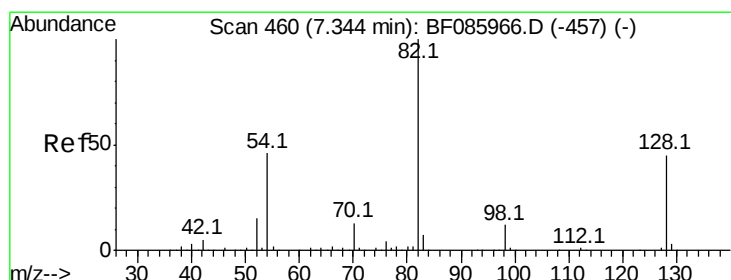
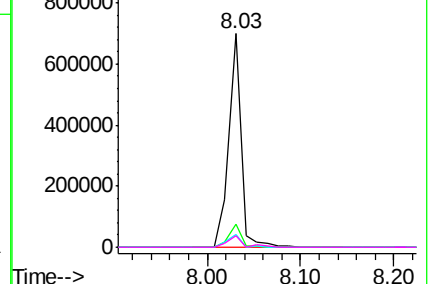
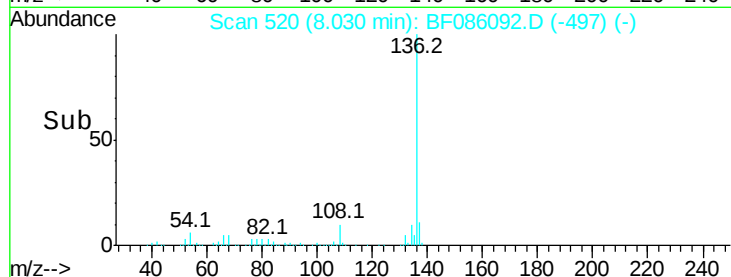
Abundance

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



#23

Nitrobenzene-d5

Concen: 8.36 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

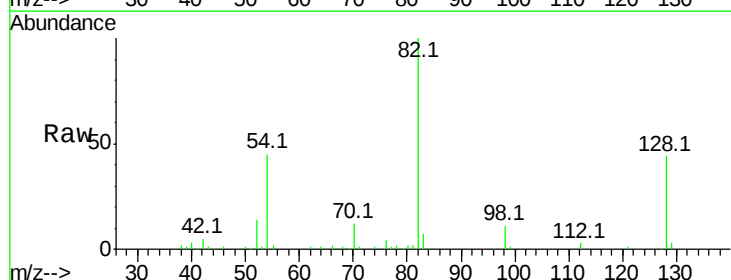
Tgt Ion: 82 Resp: 90716

Ion Ratio Lower Upper

82 100

128 44.3 41.8 62.8

54 45.1 33.4 50.0

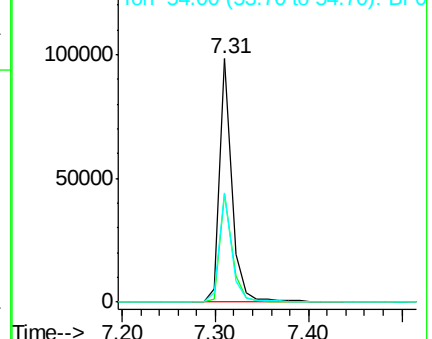
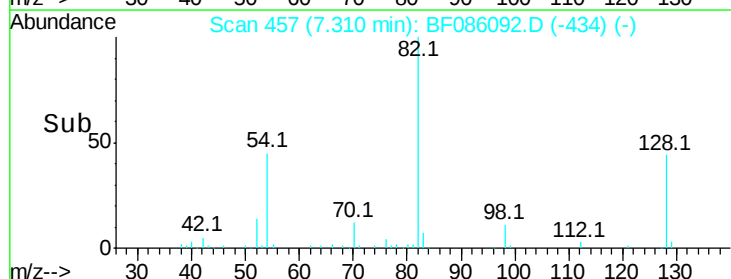


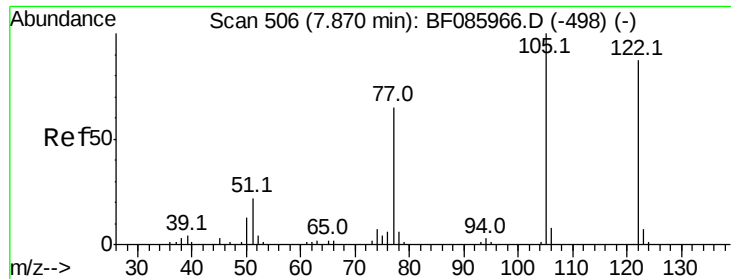
Abundance

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

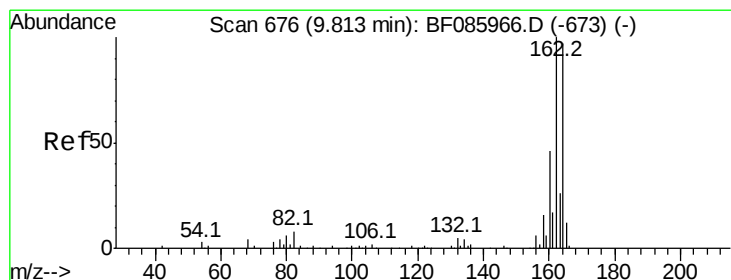
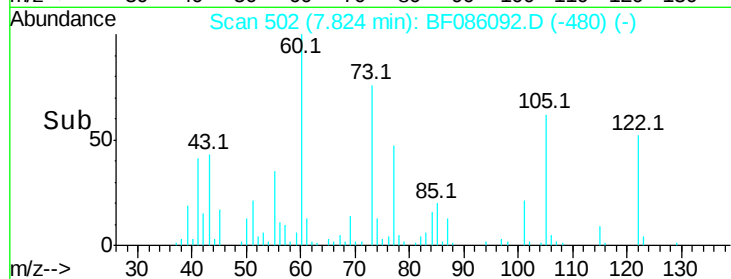
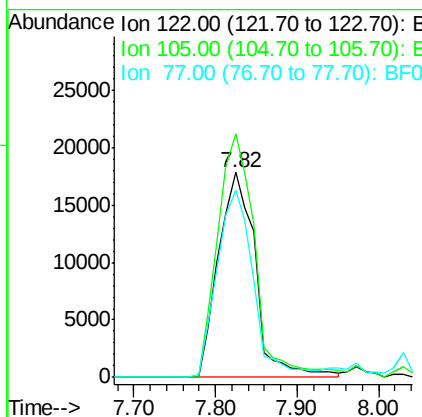
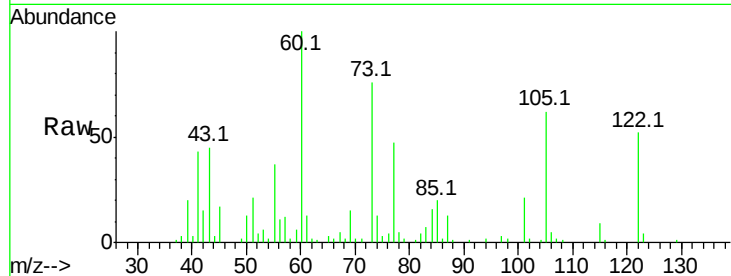




#32  
Benzoic acid  
Concen: 7.50 ng  
RT: 7.82 min Scan# 502  
Delta R.T. -0.05 min  
Lab File: BF086092.D  
Acq: 6 Apr 2016 12:15

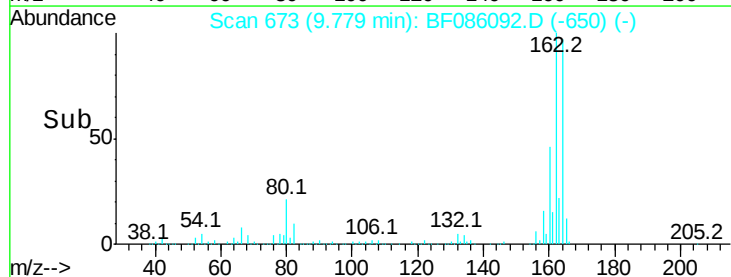
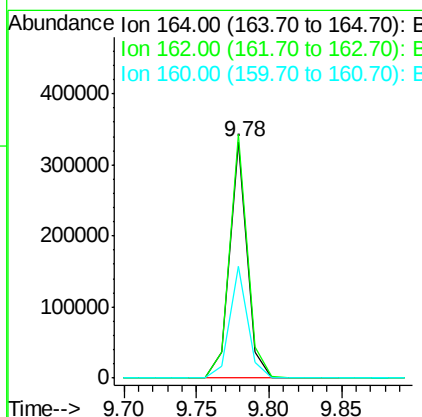
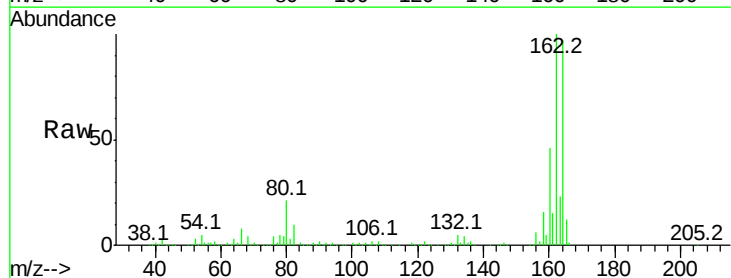
Instrument :  
BNA\_F  
ClientSampleID :  
W3DAY1DL

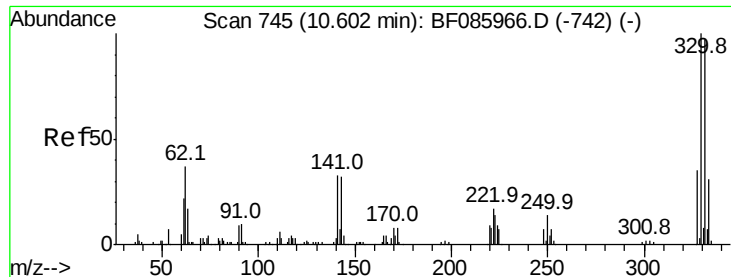
Tot Ion:122 Resp: 56119  
Ion Ratio Lower Upper  
122 100  
105 118.7 102.9 142.9  
77 91.1 71.8 111.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.03 min  
Lab File: BF086092.D  
Acq: 6 Apr 2016 12:15

Tgt Ion:164 Resp: 278620  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.1 123.1  
160 47.4 37.4 56.2

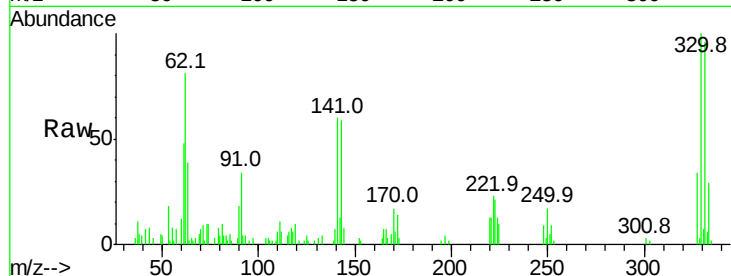




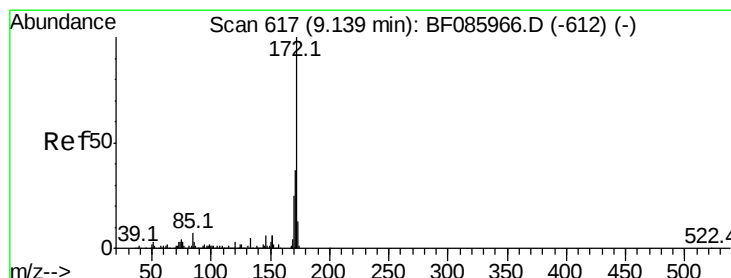
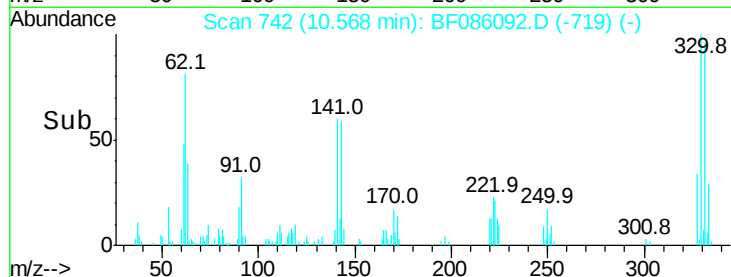
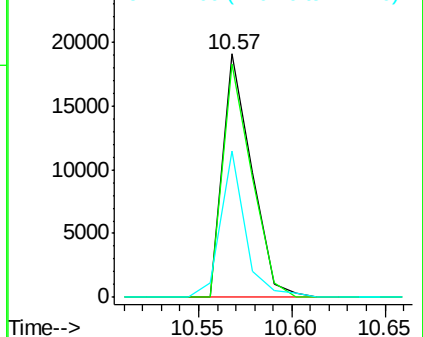
#41  
 2,4,6-Tribromophenol  
 Concen: 7.92 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086092.D  
 Acq: 6 Apr 2016 12:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W3DAY1DL

Tot Ion:330 Resp: 20701  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 78.2 117.2  
 141 51.2 31.5 47.3#

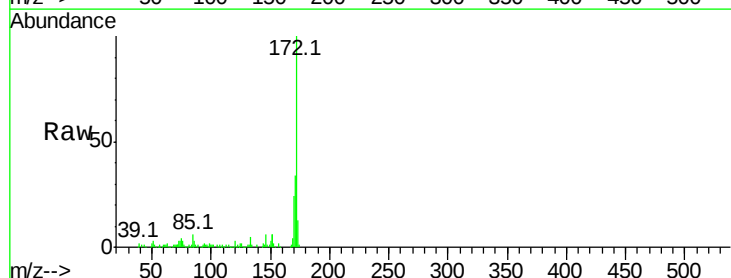


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

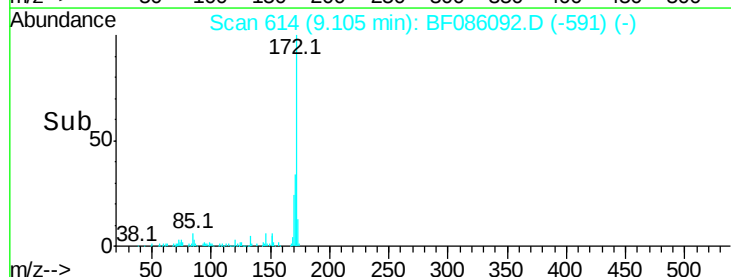
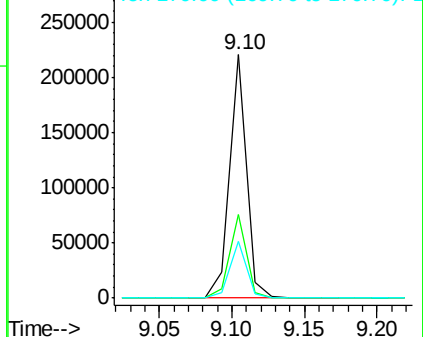


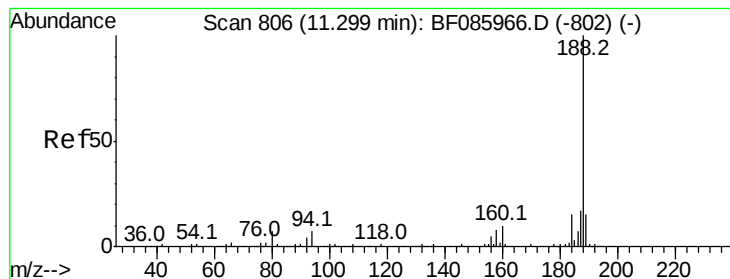
#44  
 2-Fluorobiphenyl  
 Concen: 10.64 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF086092.D  
 Acq: 6 Apr 2016 12:15

Tgt Ion:172 Resp: 178366  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 29.4 44.2  
 170 23.5 19.8 29.6



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: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

Instrument :

BNA\_F

ClientSampleId :

W3DAY1DL

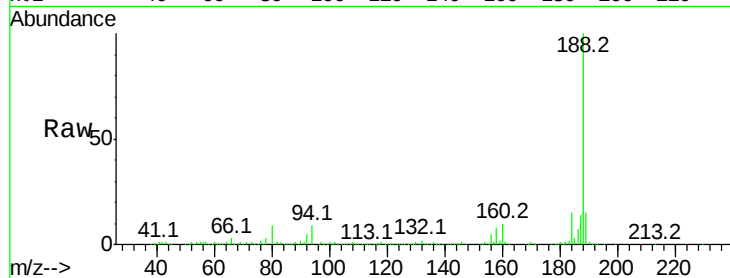
Tot Ion:188 Resp: 537067

Ion Ratio Lower Upper

188 100

94 8.7 5.4 8.0#

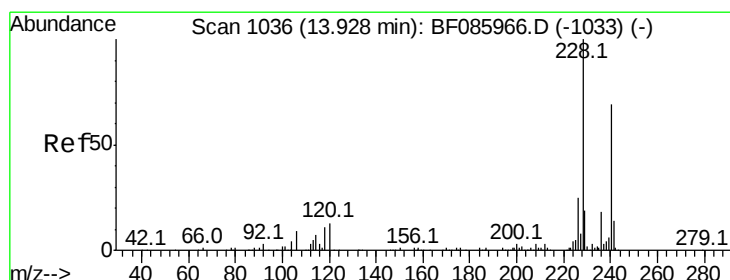
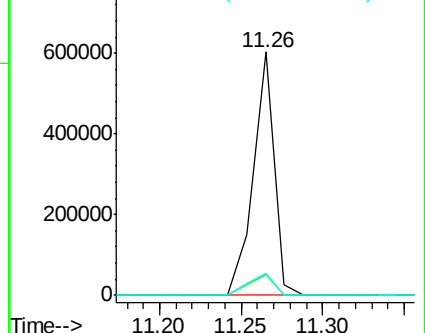
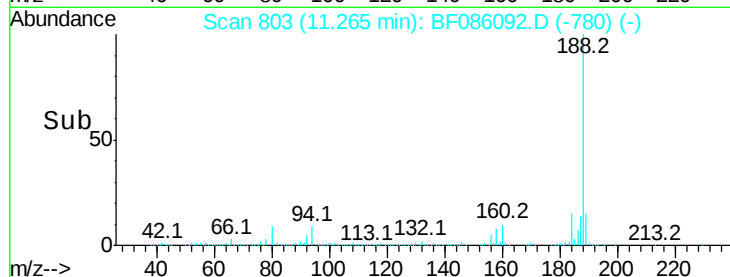
80 8.9 5.5 8.3#



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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086092.D

Acq: 6 Apr 2016 12:15

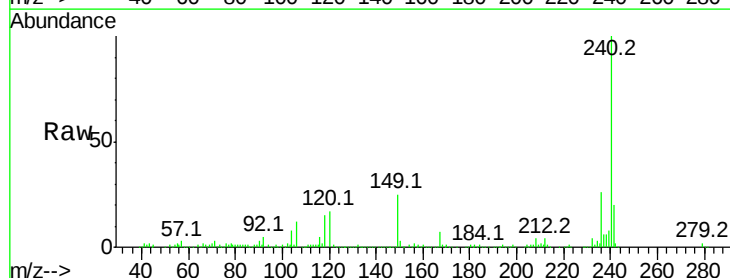
Tgt Ion:240 Resp: 361533

Ion Ratio Lower Upper

240 100

120 17.4 13.8 20.8

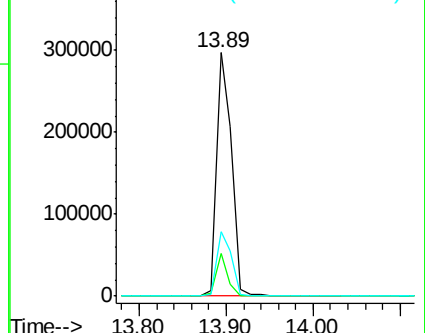
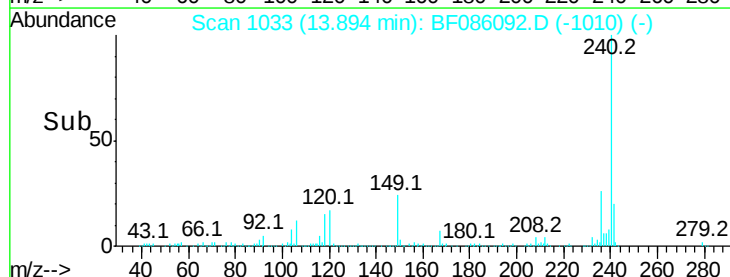
236 26.5 20.6 30.8

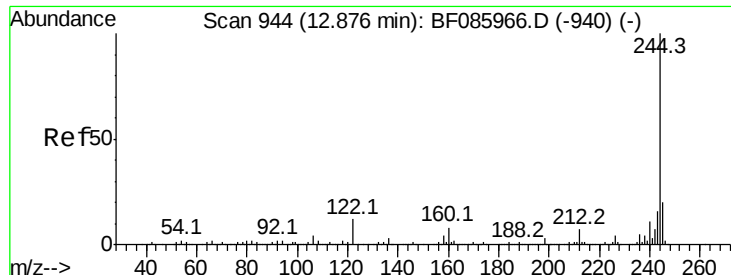


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

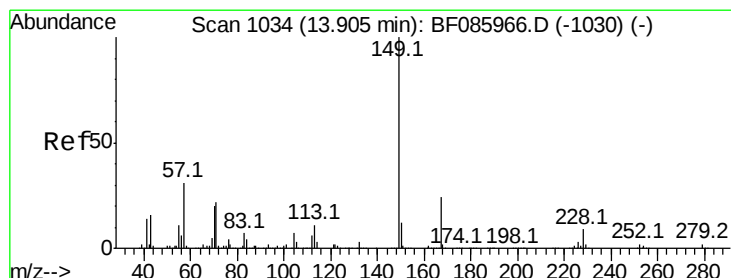
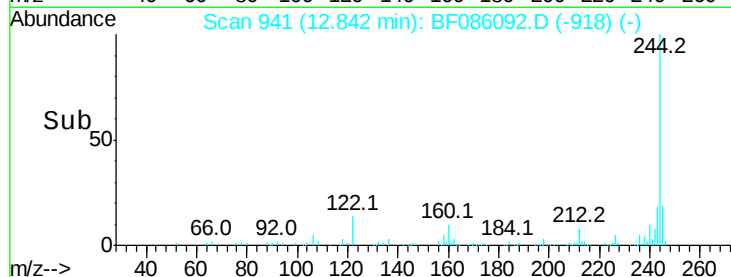
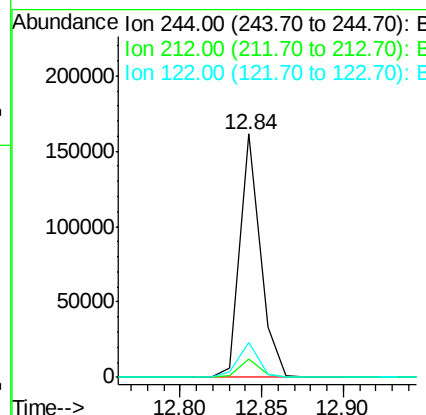
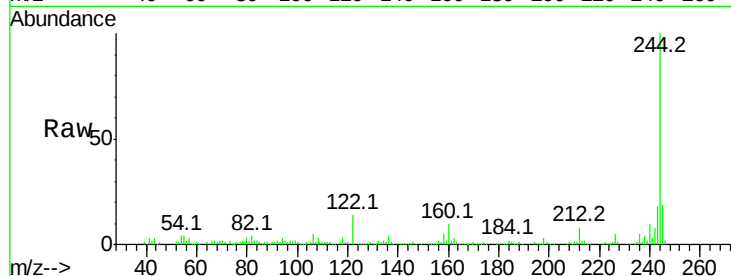




#78  
 Terphenyl-d14  
 Concen: 9.03 ng  
 RT: 12.84 min Scan# 941  
 Delta R.T. -0.03 min  
 Lab File: BF086092.D  
 Acq: 6 Apr 2016 12:15

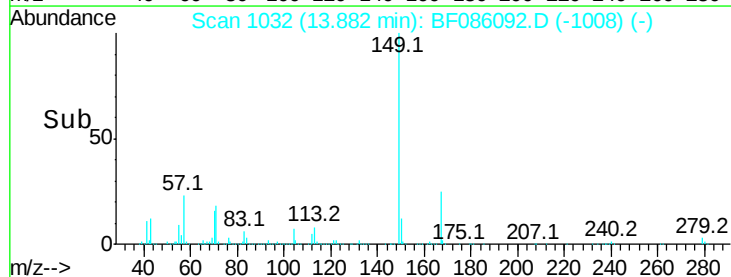
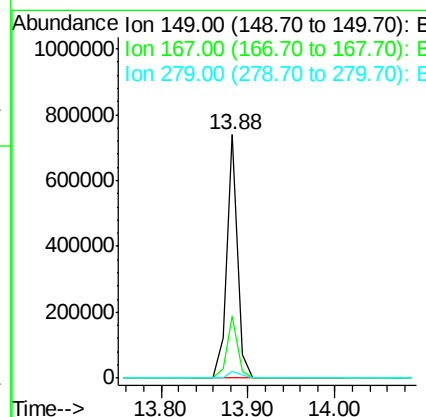
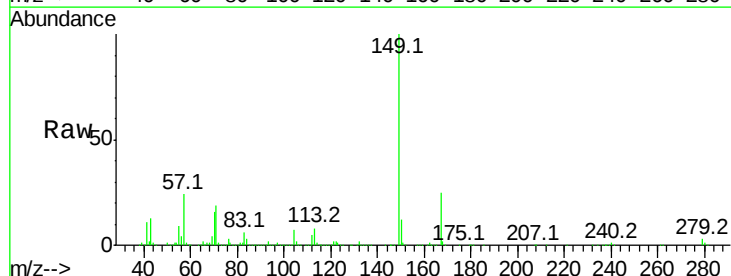
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W3DAY1DL

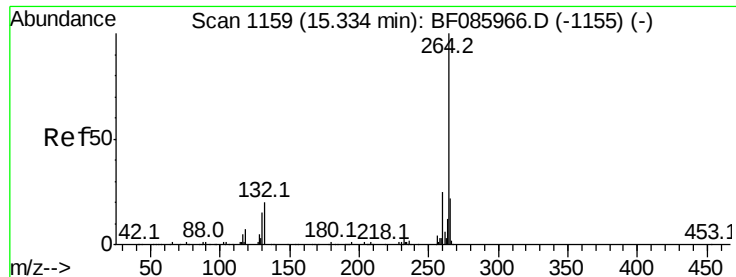
Tot Ion:244 Resp: 138829  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.1 9.1  
 122 14.4 10.2 15.4



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.49 ng  
 RT: 13.88 min Scan# 1032  
 Delta R.T. -0.02 min  
 Lab File: BF086092.D  
 Acq: 6 Apr 2016 12:15

Tgt Ion:149 Resp: 646918  
 Ion Ratio Lower Upper  
 149 100  
 167 25.4 19.4 29.2  
 279 3.0 1.5 2.3#

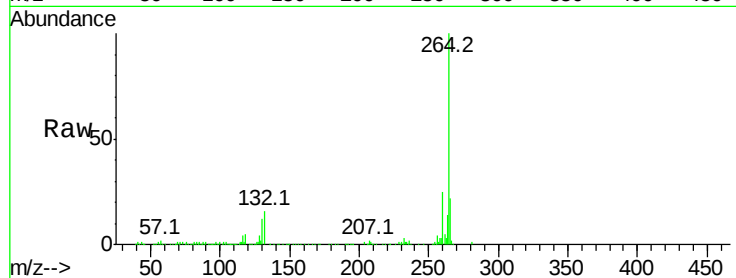




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.30 min Scan# 1156  
Delta R.T. -0.03 min  
Lab File: BF086092.D  
Acq: 6 Apr 2016 12:15

Instrument :  
BNA\_F  
ClientSampleId :  
W3DAY1DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.4  | 29.2  |
| 265     | 21.6  | 17.2  | 25.8  |



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

