

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\  
 Data File : BF088973.D  
 Acq On : 13 Jul 2016 22:37  
 Operator : UM/SJ  
 Sample : H3946-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M8-B2(0-11)C

Quant Time: Jul 14 02:02:56 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 14 01:23:58 2016  
 Response via : Initial Calibration

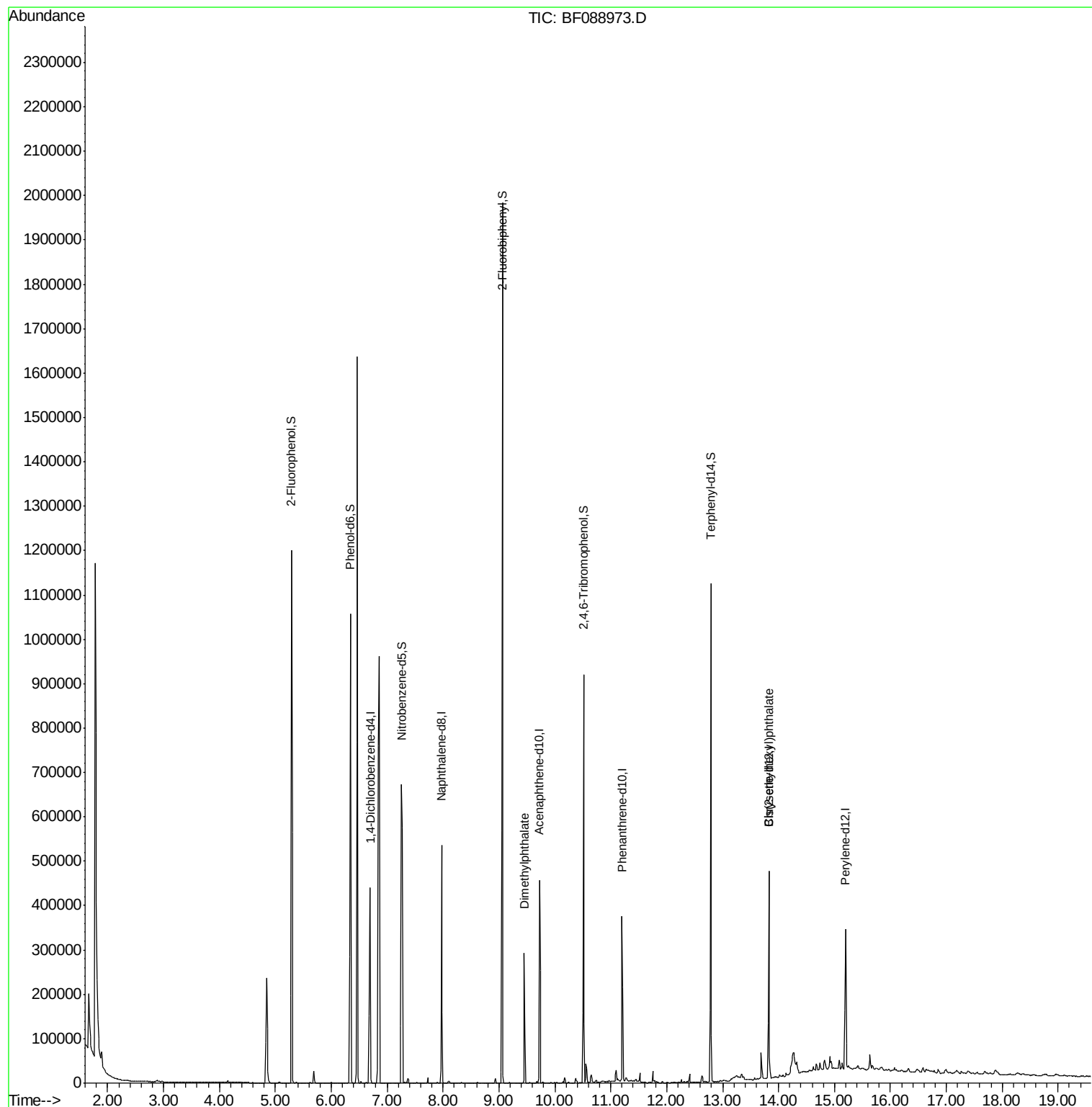
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 68639    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.98  | 136  | 244317   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.72  | 164  | 103595   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.20 | 188  | 158504   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 13.83 | 240  | 125586   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 15.20 | 264  | 126716   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.29  | 112  | 399307   | 87.19 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.34  | 99   | 550731   | 93.06 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 334381   | 71.72 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 93186    | 96.87 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.06  | 172  | 587750   | 89.62 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.79 | 244  | 297424   | 52.75 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate          | 9.45  | 163  | 126372   | 17.12 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 20601    | 3.80  | ng    | 99       |

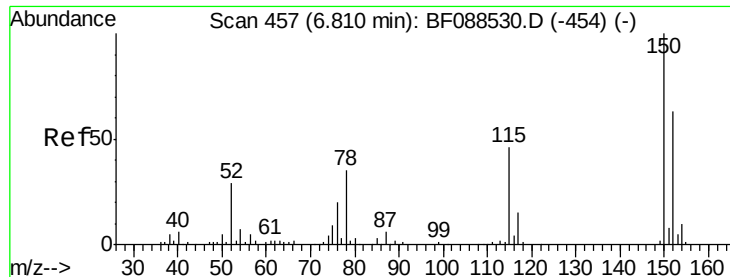
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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M8-B2(0-11)C

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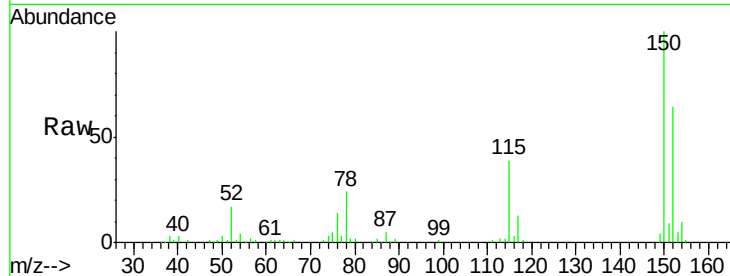


#1

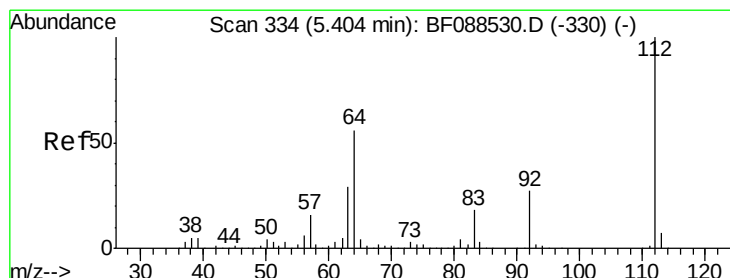
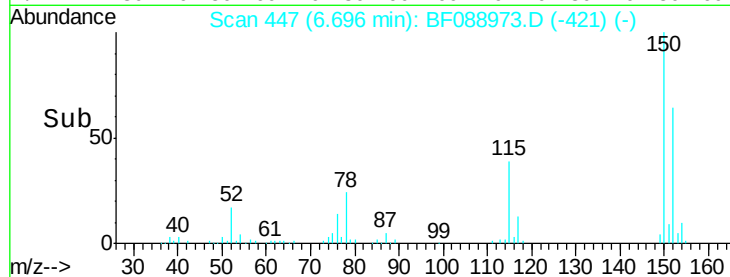
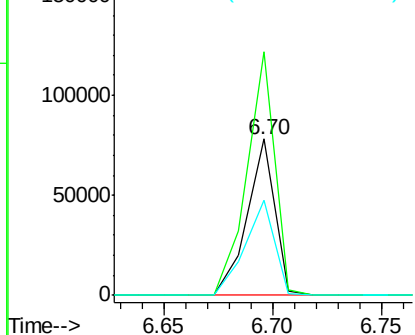
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.70 min Scan# 447  
 Delta R.T. -0.00 min  
 Lab File: BF088973.D  
 Acq: 13 Jul 2016 22:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M8-B2(0-11)C

Tot Ion:152 Resp: 68639  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 123.8 185.6  
 115 61.0 39.6 59.4#



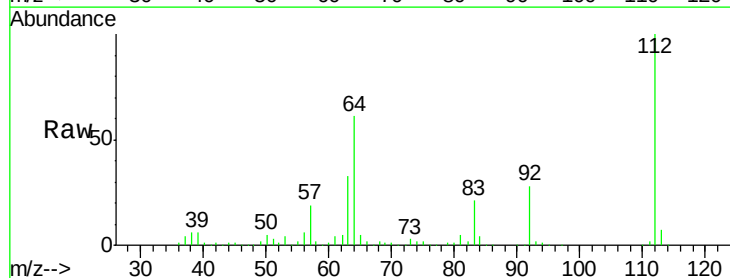
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



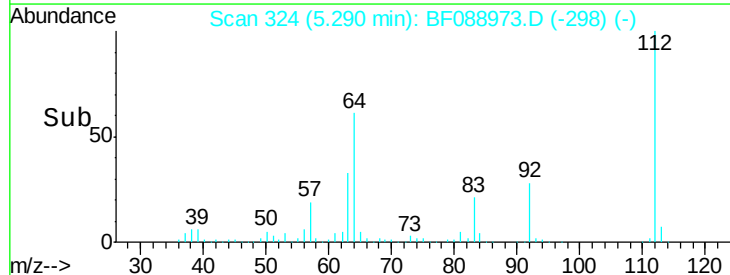
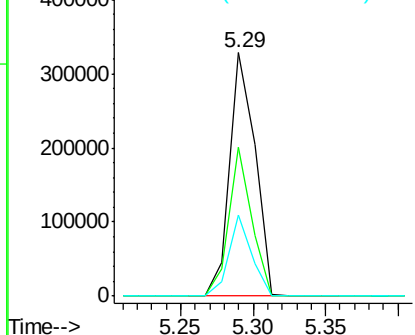
#5

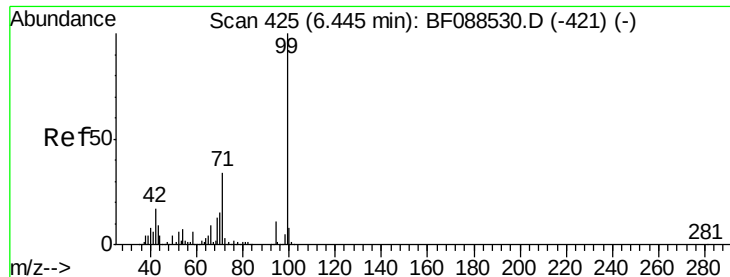
2-Fluorophenol  
 Concen: 87.19 ng  
 RT: 5.29 min Scan# 324  
 Delta R.T. -0.00 min  
 Lab File: BF088973.D  
 Acq: 13 Jul 2016 22:37

Tgt Ion:112 Resp: 399307  
 Ion Ratio Lower Upper  
 112 100  
 64 61.4 42.2 63.2  
 63 33.1 21.8 32.8#



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: 93.06 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

Instrument :

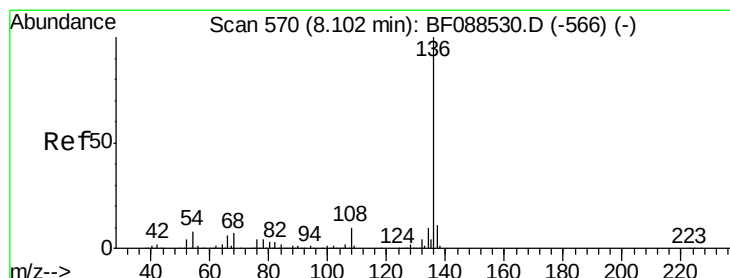
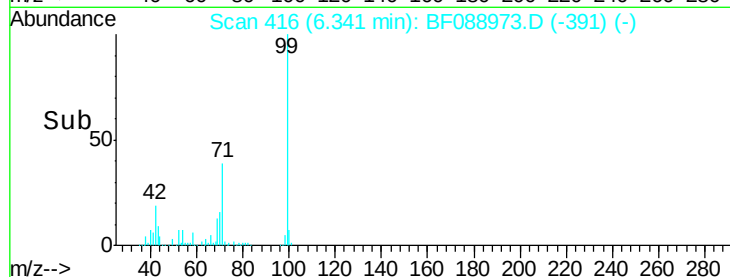
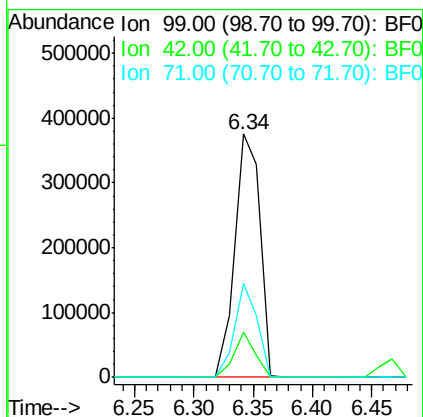
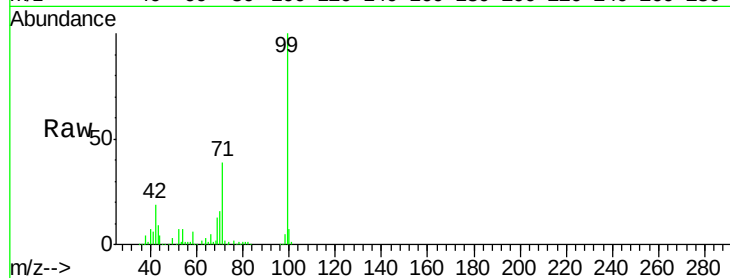
BNA\_F

ClientSampleId :

M8-B2(0-11)C

Tot Ion: 99 Resp: 550731

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.6  | 12.2  | 18.2# |
| 71  | 38.5  | 23.4  | 35.0# |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

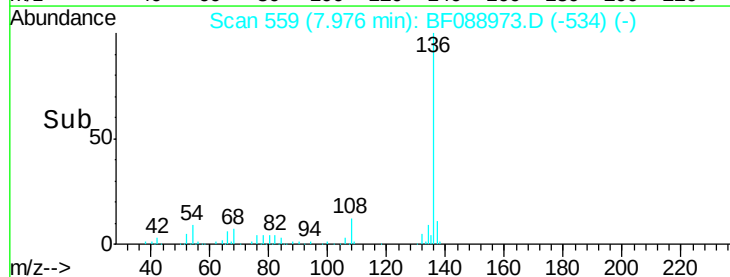
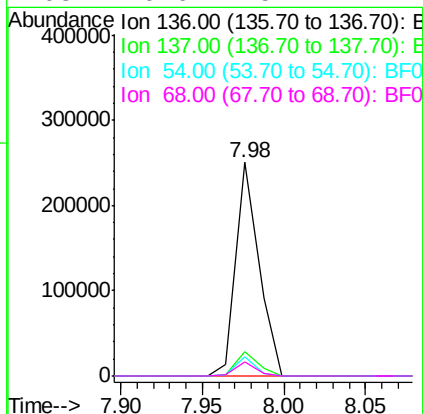
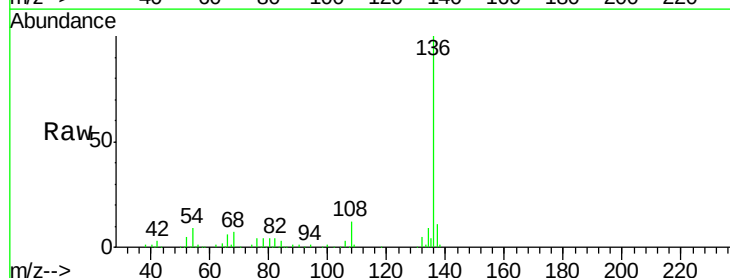
Delta R.T. -0.01 min

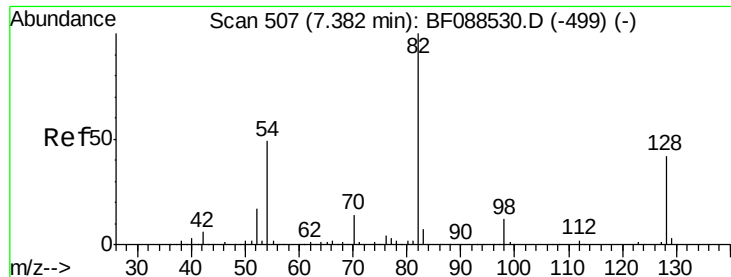
Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

Tgt Ion: 136 Resp: 244317

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.1   | 13.7  |
| 54  | 8.9   | 6.6   | 10.0  |
| 68  | 6.6   | 5.1   | 7.7   |





#23

Nitrobenzene-d5

Concen: 71.72 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.01 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

M8-B2(0-11)C

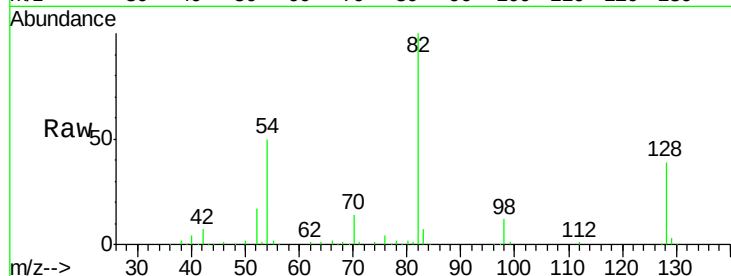
Tot Ion: 82 Resp: 334381

Ion Ratio Lower Upper

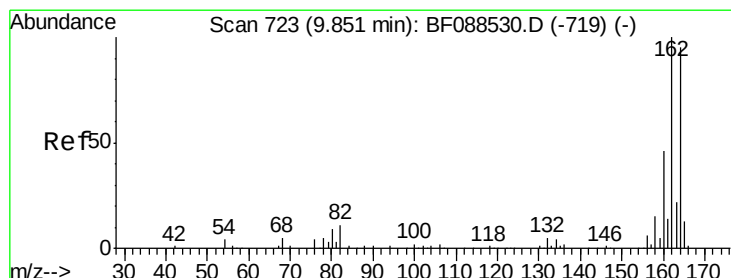
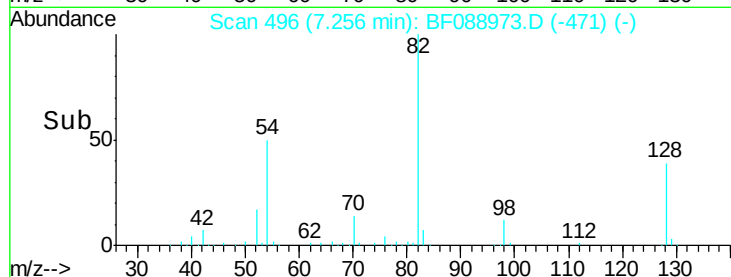
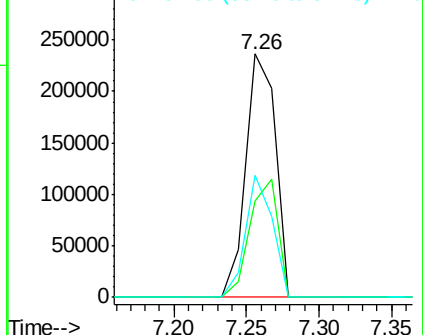
82 100

128 39.4 35.9 53.9

54 50.3 40.9 61.3



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# 712

Delta R.T. -0.01 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

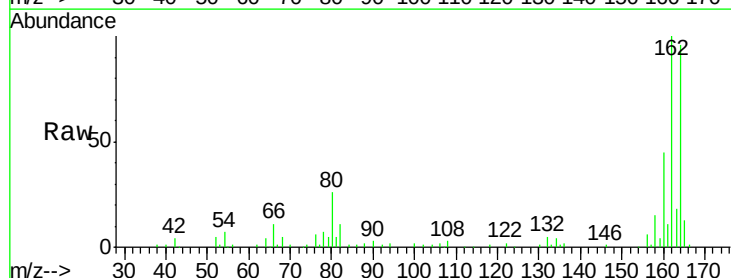
Tgt Ion:164 Resp: 103595

Ion Ratio Lower Upper

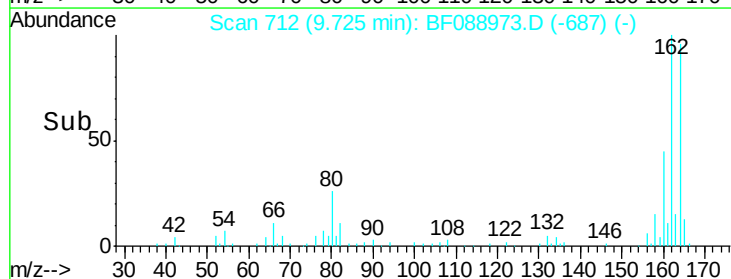
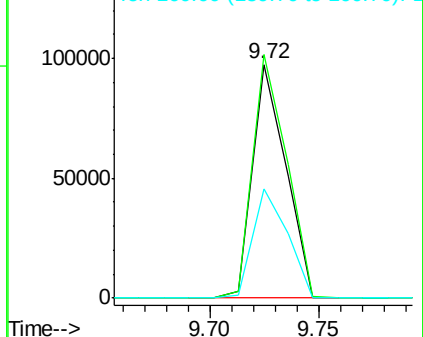
164 100

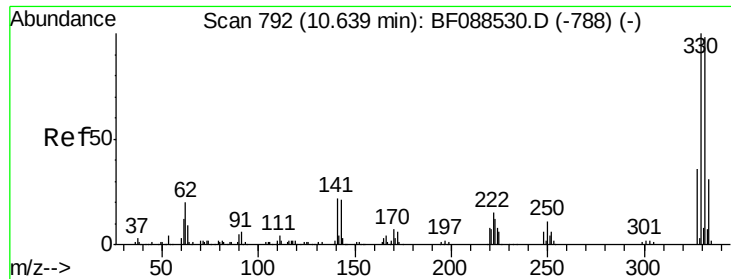
162 104.1 85.4 128.2

160 46.5 39.5 59.3



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

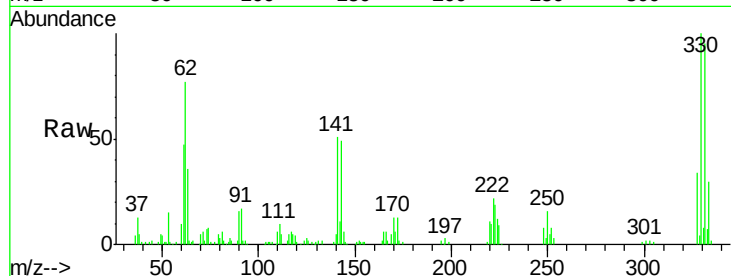




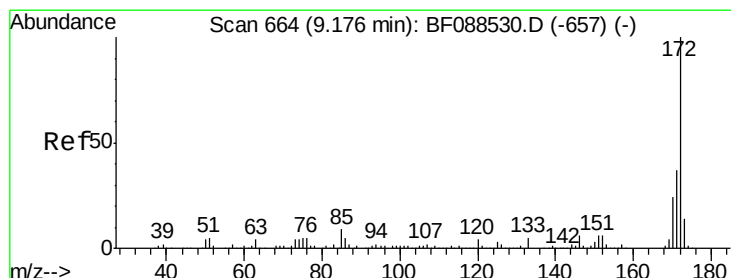
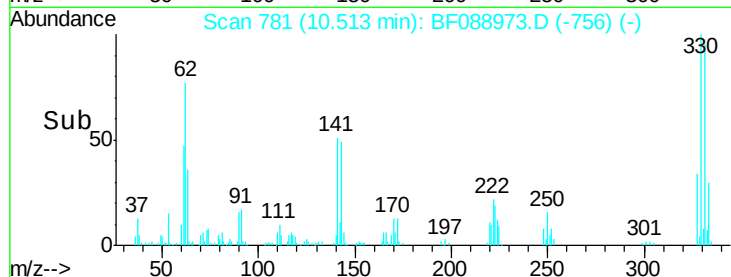
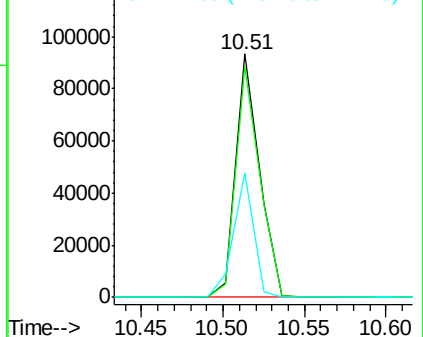
#41  
 2,4,6-Tribromophenol  
 Concen: 96.87 ng  
 RT: 10.51 min Scan# 781  
 Delta R.T. -0.01 min  
 Lab File: BF088973.D  
 Acq: 13 Jul 2016 22:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M8-B2(0-11)C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 43.5  | 0.0   | 0.0#  |

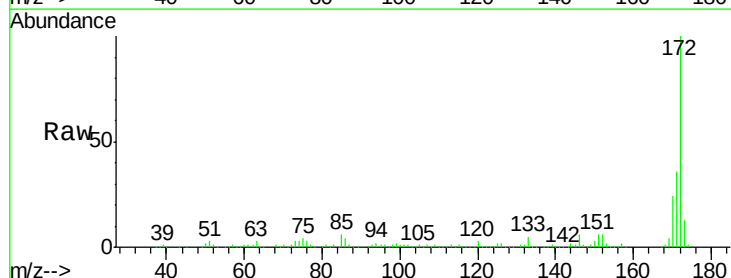


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

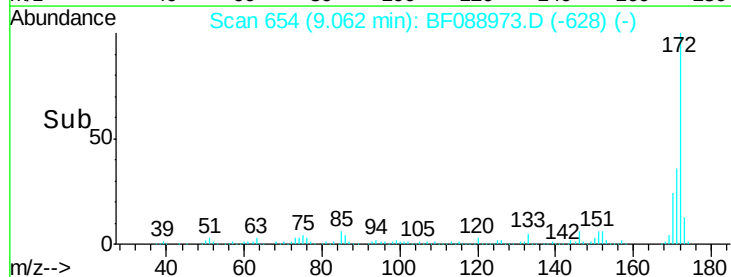
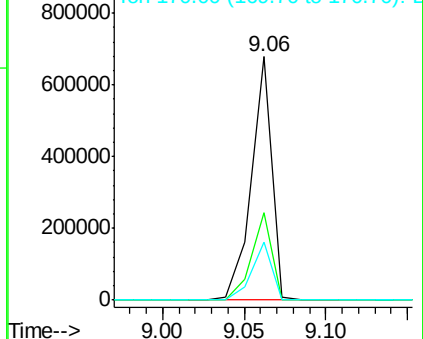


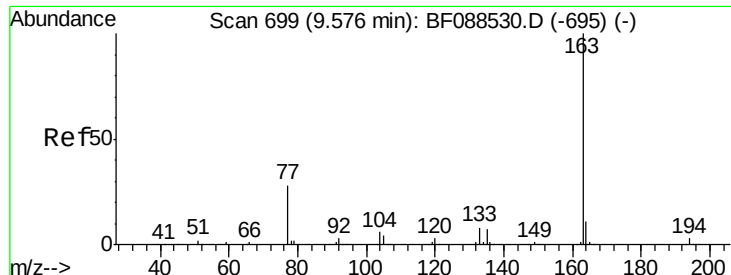
#44  
 2-Fluorobiphenyl  
 Concen: 89.62 ng  
 RT: 9.06 min Scan# 654  
 Delta R.T. -0.00 min  
 Lab File: BF088973.D  
 Acq: 13 Jul 2016 22:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.6  | 43.0  |
| 170     | 23.7  | 19.2  | 28.8  |



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: 17.12 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

M8-B2(0-11)C

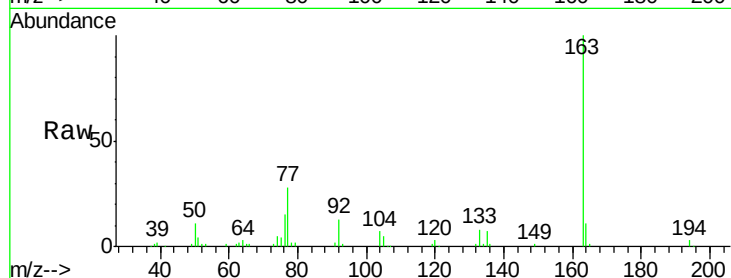
Tot Ion:163 Resp: 126372

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

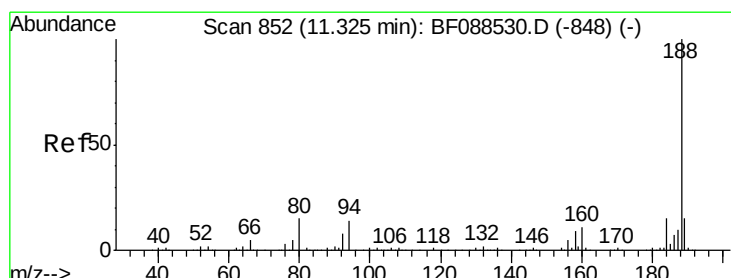
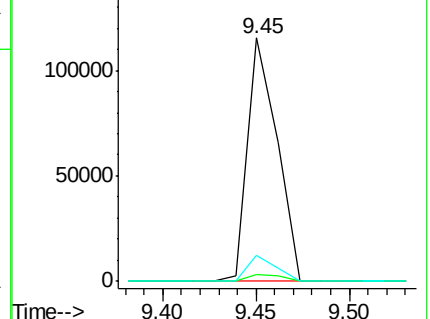
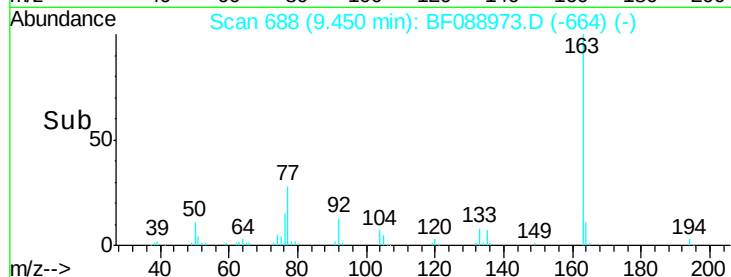
164 10.7 8.3 12.5



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: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

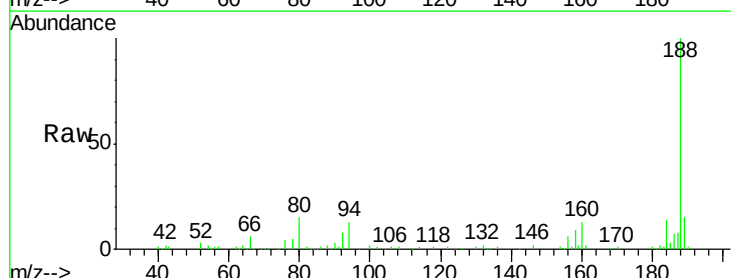
Tgt Ion:188 Resp: 158504

Ion Ratio Lower Upper

188 100

94 13.5 9.0 13.6

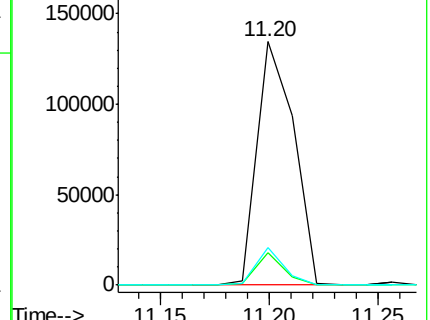
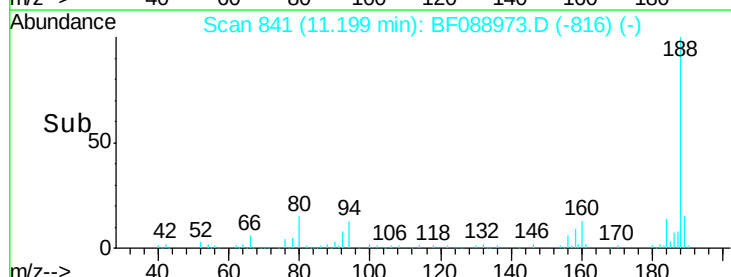
80 15.3 10.0 15.0#

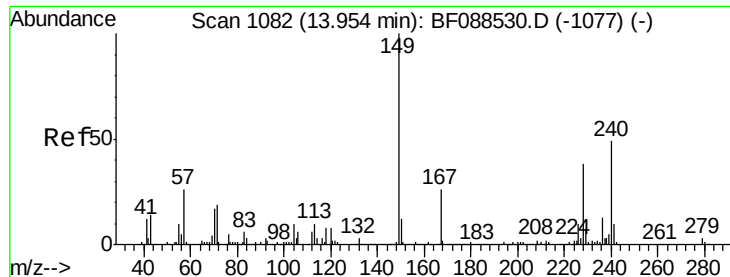


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

M8-B2(0-11)C

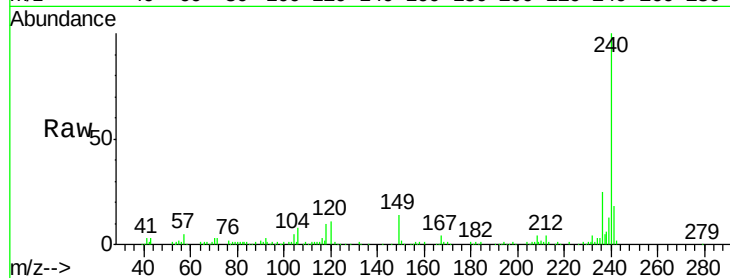
Tot Ion:240 Resp: 125586

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

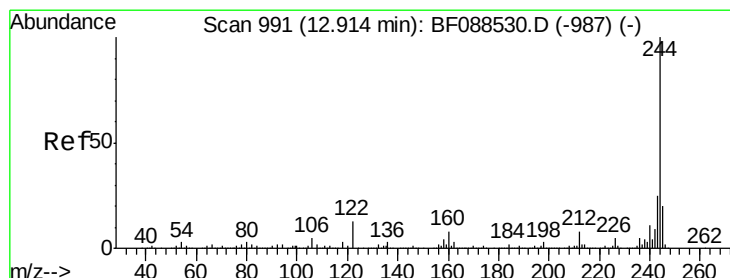
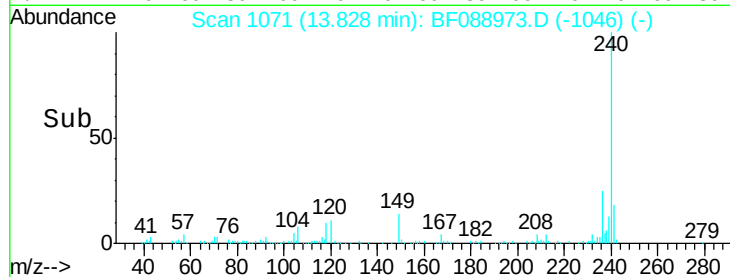
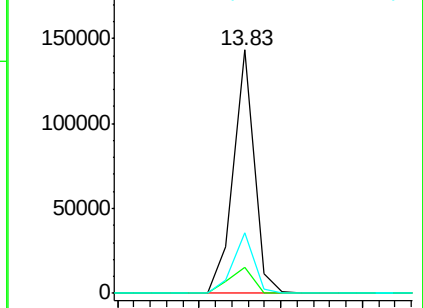
236 24.8 20.2 30.2



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: 52.75 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088973.D

Acq: 13 Jul 2016 22:37

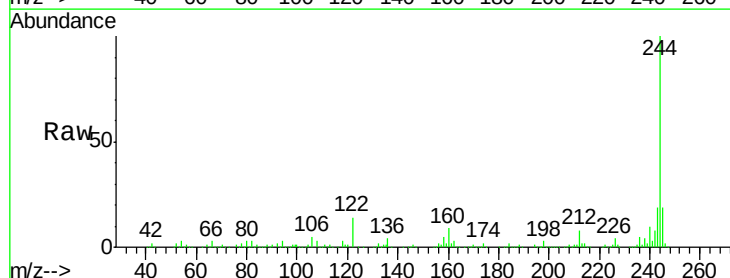
Tgt Ion:244 Resp: 297424

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

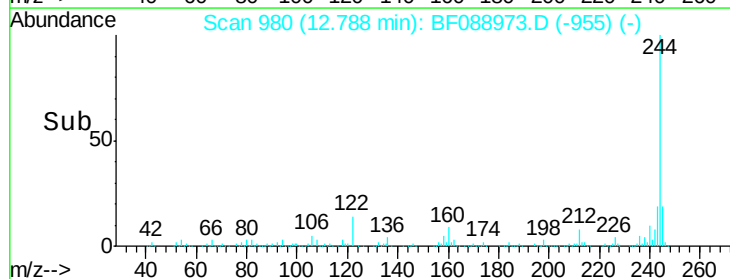
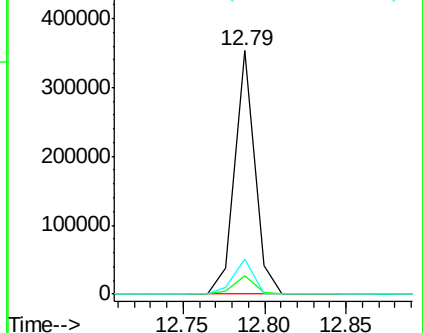
122 14.3 11.2 16.8



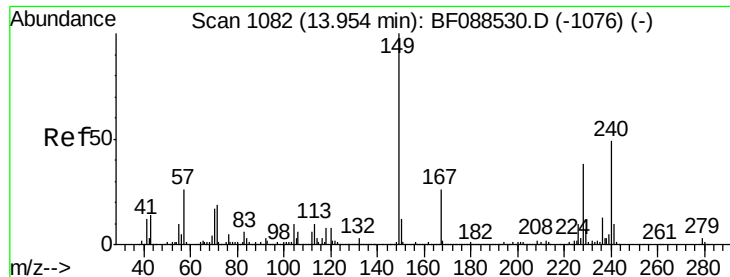
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



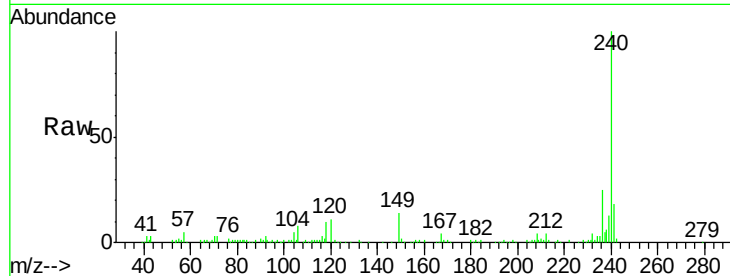




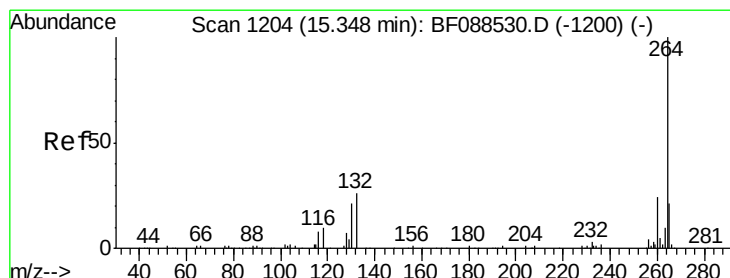
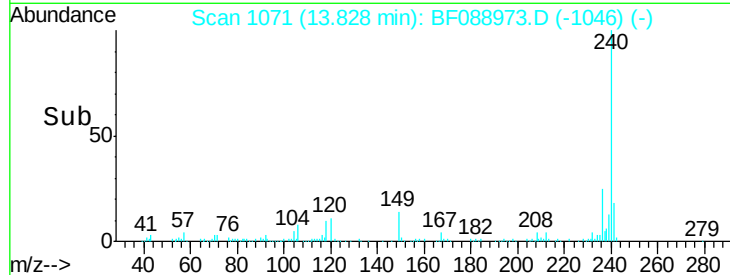
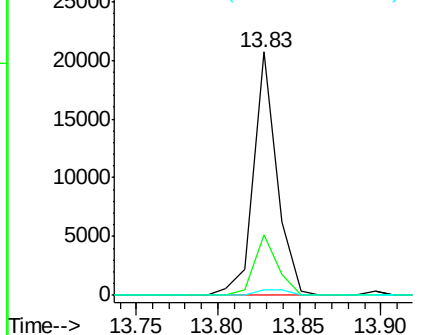
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.80 ng  
 RT: 13.83 min Scan# 1071  
 Delta R.T. -0.01 min  
 Lab File: BF088973.D  
 Acq: 13 Jul 2016 22:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M8-B2(0-11)C

Tot Ion:149 Resp: 20601  
 Ion Ratio Lower Upper  
 149 100  
 167 25.1 20.5 30.7  
 279 2.3 2.0 3.0

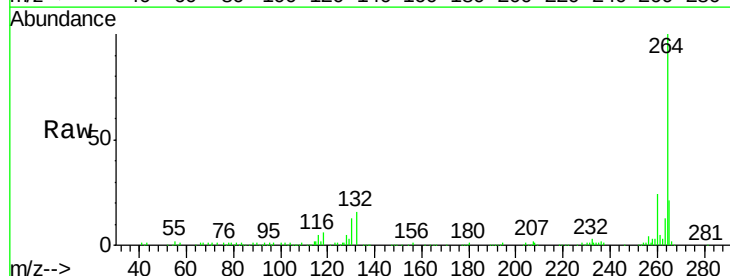


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.20 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: BF088973.D  
 Acq: 13 Jul 2016 22:37

Tgt Ion:264 Resp: 126716  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 21.1 16.9 25.3



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

