

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\  
 Data File : BF078982.D  
 Acq On : 7 May 2015 6:39  
 Operator : TP/IZ  
 Sample : G2089-02  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CT2

Quant Time: May 07 07:29:32 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 07 05:28:56 2015  
 Response via : Initial Calibration

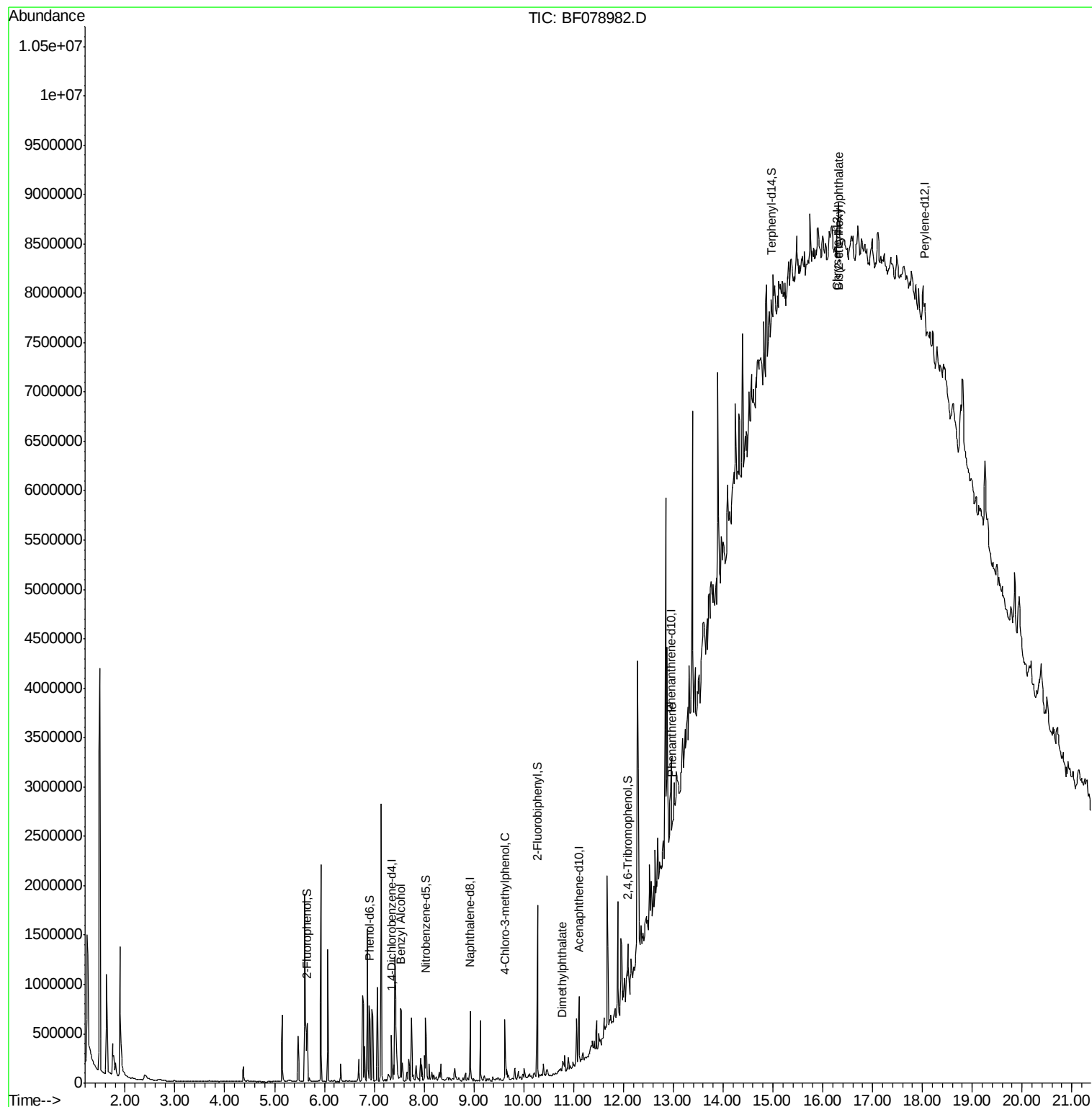
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.35  | 152  | 66719    | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.92  | 136  | 289258   | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10           | 11.11 | 164  | 143515   | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10           | 12.96 | 188  | 260672   | 20.00 | ng    | 0.01      |
| 75) Chrysene-d12               | 16.29 | 240  | 165080   | 20.00 | ng    | 0.03      |
| 86) Perylene-d12               | 18.05 | 264  | 195321   | 20.00 | ng    | 0.08      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.66  | 112  | 192516   | 49.67 | ng    | 0.01      |
| 7) Phenol-d6                   | 6.90  | 99   | 370069   | 72.23 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 8.03  | 82   | 252190   | 50.11 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 12.09 | 330  | 37234    | 23.98 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 10.27 | 172  | 548676   | 53.26 | ng    | 0.00      |
| 78) Terphenyl-d14              | 14.97 | 244  | 420429   | 60.97 | ng    | 0.02      |
| Target Compounds               |       |      |          |       |       |           |
| 15) Benzyl Alcohol             | 7.53  | 79   | 15956    | 4.20  | ng    | Qvalue 89 |
| 36) 4-Chloro-3-methylphenol    | 9.62  | 107  | 147844   | 38.31 | ng    | 99        |
| 49) Dimethylphthalate          | 10.78 | 163  | 28552    | 2.71  | ng    | 100       |
| 70) Phenanthrene               | 12.98 | 178  | 60351    | 4.14  | ng    | # 76      |
| 83) Bis(2-ethylhexyl)phthalate | 16.32 | 149  | 427546   | 67.88 | ng    | # 92      |

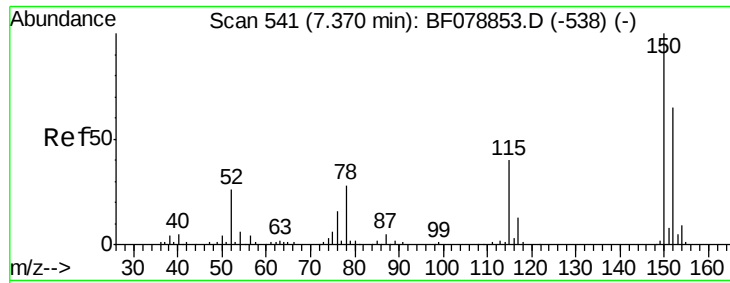
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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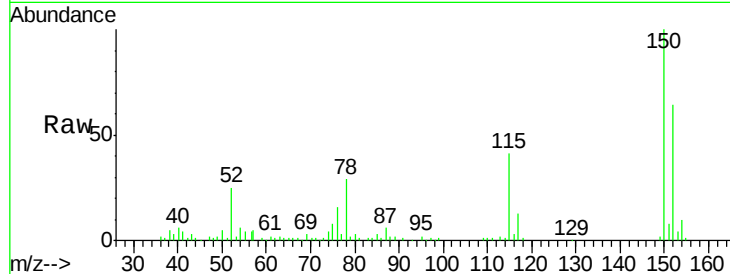


#1

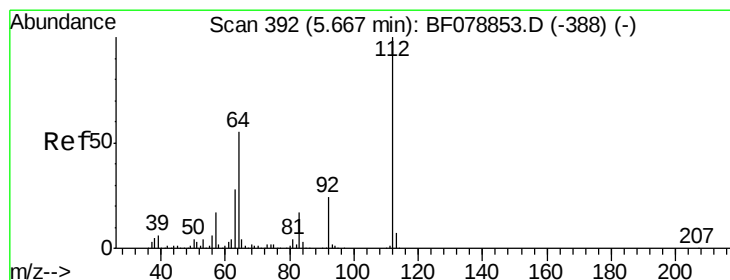
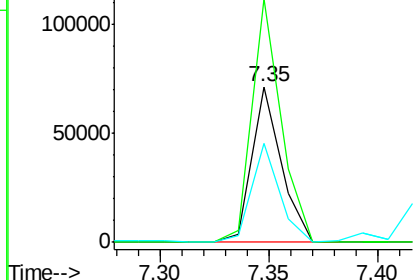
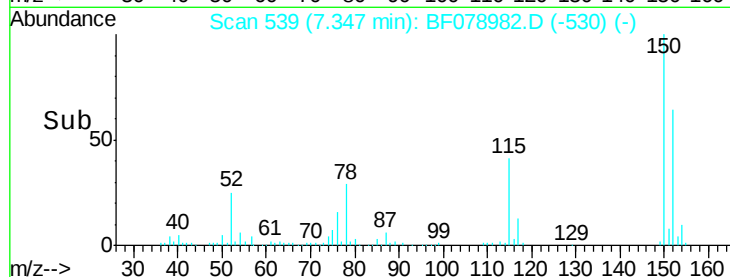
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.35 min Scan# 539  
Delta R.T. -0.00 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Instrument :  
BNA\_F  
ClientSampleId :  
CT2

Tot Ion:152 Resp: 66719  
Ion Ratio Lower Upper  
152 100  
150 156.8 122.0 183.0  
115 63.7 46.3 69.5



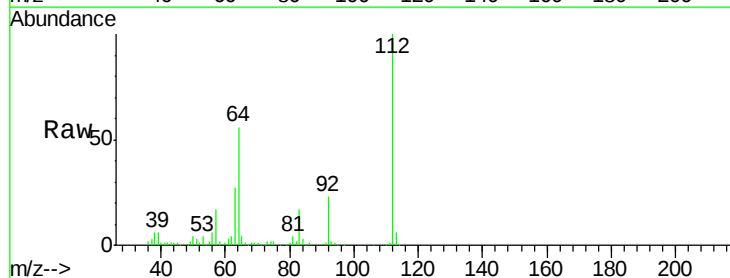
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



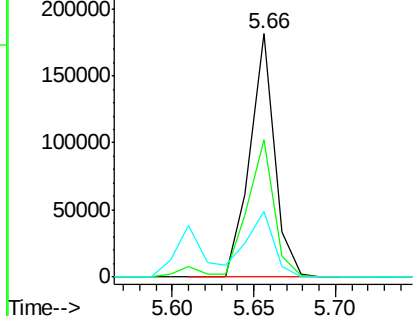
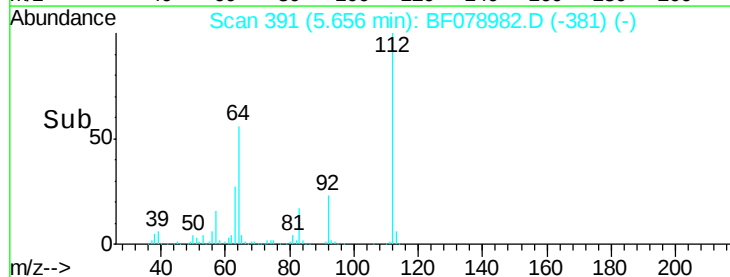
#5

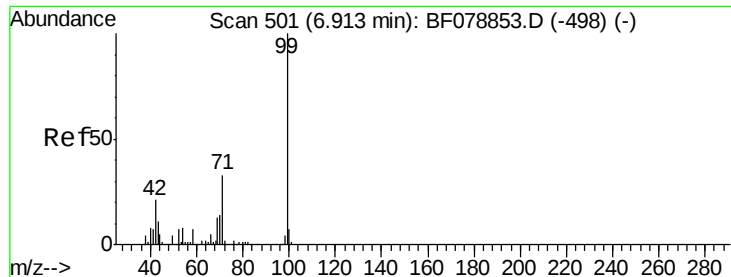
2-Fluorophenol  
Concen: 49.67 ng  
RT: 5.66 min Scan# 391  
Delta R.T. 0.01 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Tgt Ion:112 Resp: 192516  
Ion Ratio Lower Upper  
112 100  
64 56.3 53.5 80.3  
63 27.2 27.5 41.3#



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: 72.23 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA\_F

ClientSampleId :

CT2

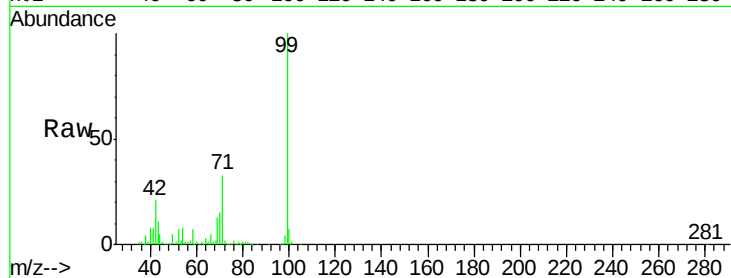
Tot Ion: 99 Resp: 370069

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

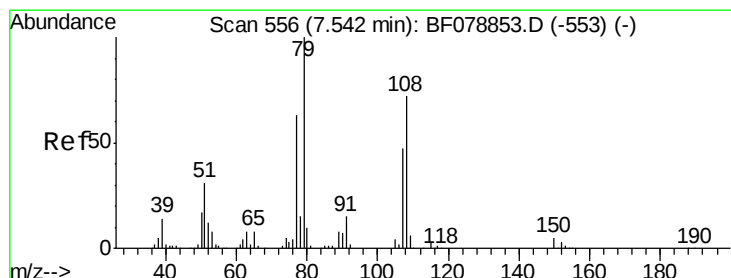
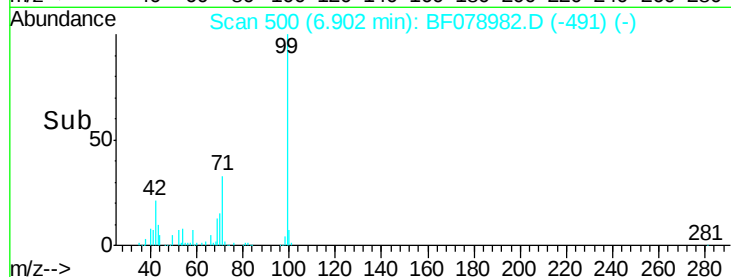
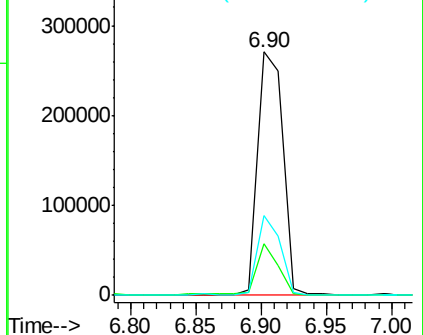
71 32.7 23.4 35.2



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



#15

Benzyl Alcohol

Concen: 4.20 ng

RT: 7.53 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

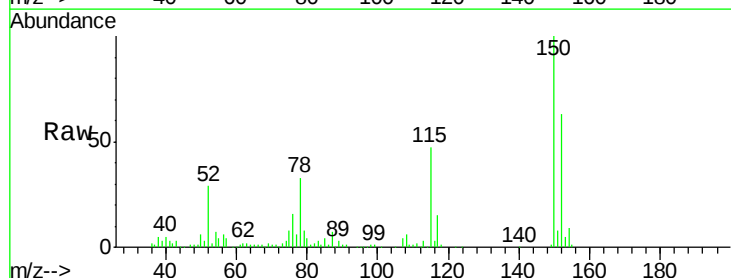
Tgt Ion: 79 Resp: 15956

Ion Ratio Lower Upper

79 100

108 71.1 62.5 93.7

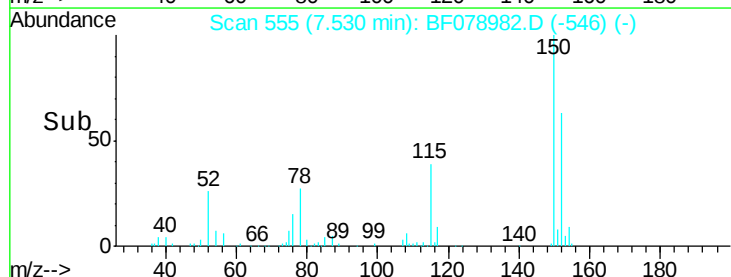
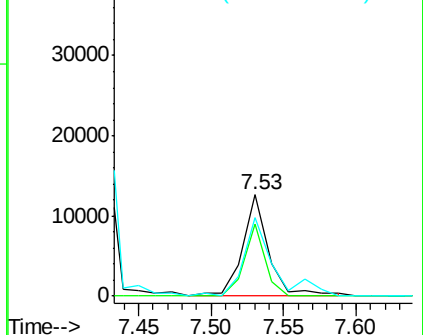
77 77.0 52.2 78.4

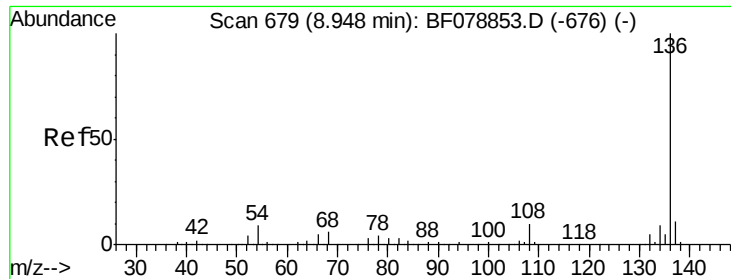


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

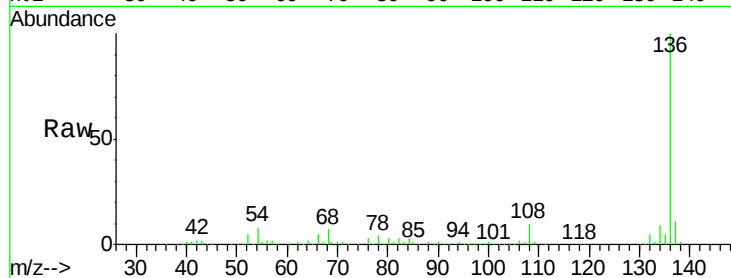




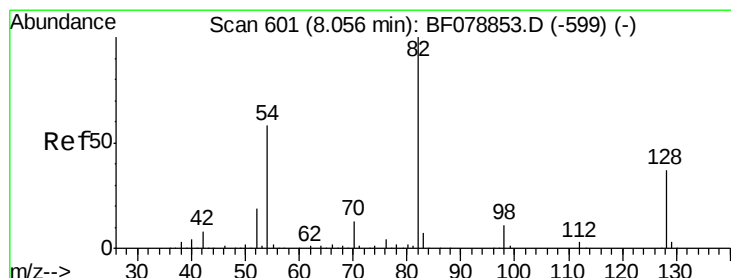
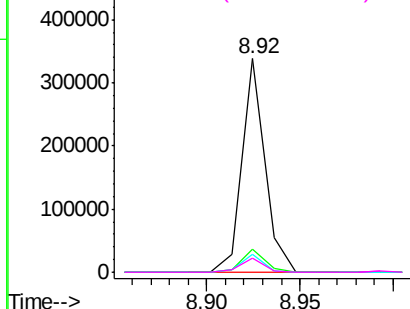
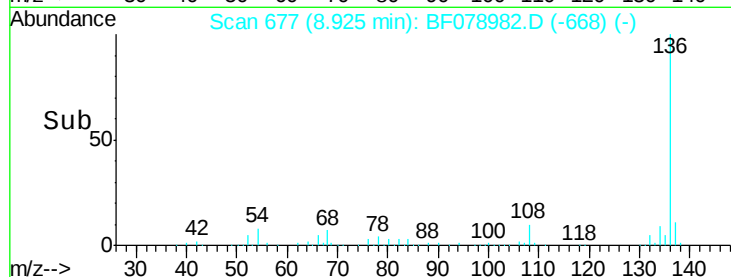
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.92 min Scan# 677  
Delta R.T. -0.00 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Instrument :  
BNA\_F  
ClientSampleId :  
CT2

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 289258   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 8.7 13.1 |
| 54          | 8.2   | 5.8 8.8  |
| 68          | 6.6   | 4.2 6.4# |

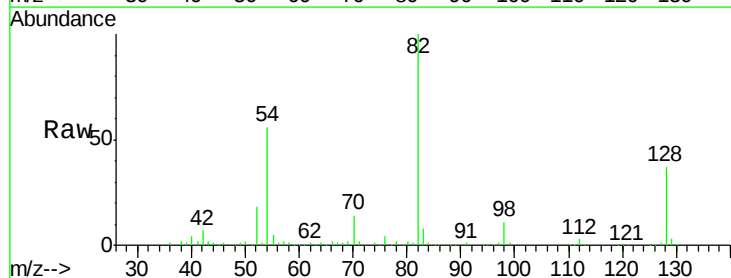


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

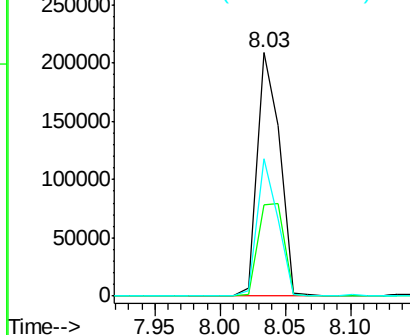
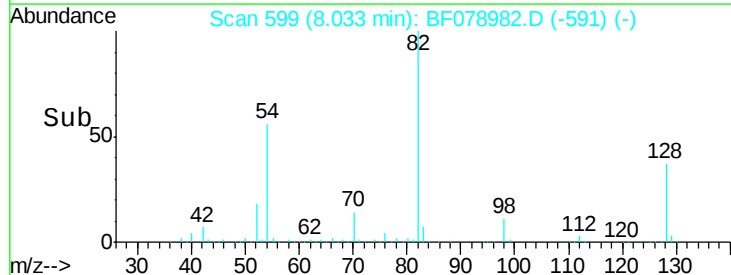


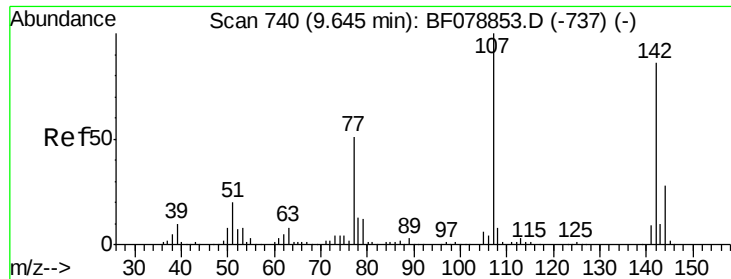
#23  
Nitrobenzene-d5  
Concen: 50.11 ng  
RT: 8.03 min Scan# 599  
Delta R.T. -0.01 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 252190    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 37.5  | 30.0 45.0 |
| 54          | 56.4  | 46.4 69.6 |



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

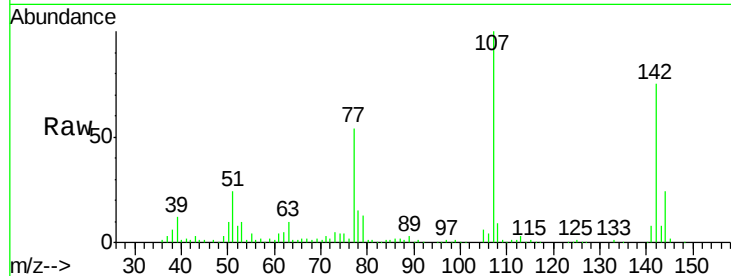




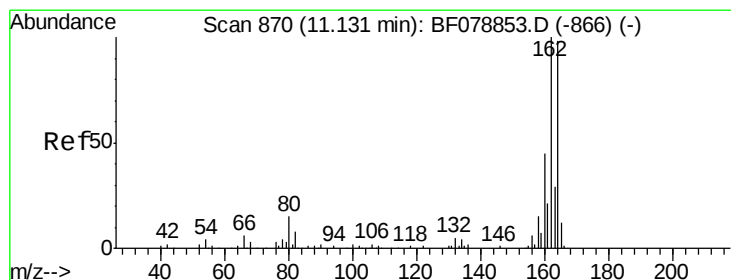
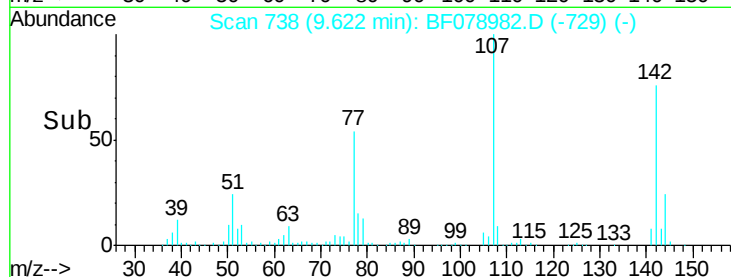
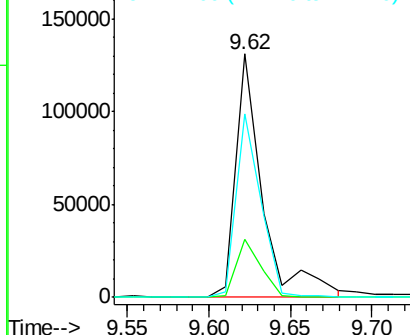
#36  
4-Chloro-3-methylphenol  
Concen: 38.31 ng  
RT: 9.62 min Scan# 738  
Delta R.T. -0.00 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Instrument :  
BNA\_F  
ClientSampleId :  
CT2

Tot Ion:107 Resp: 147844  
Ion Ratio Lower Upper  
107 100  
144 23.8 19.8 29.6  
142 75.4 60.6 91.0

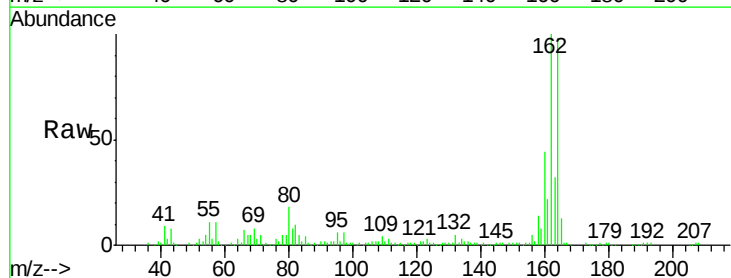


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E

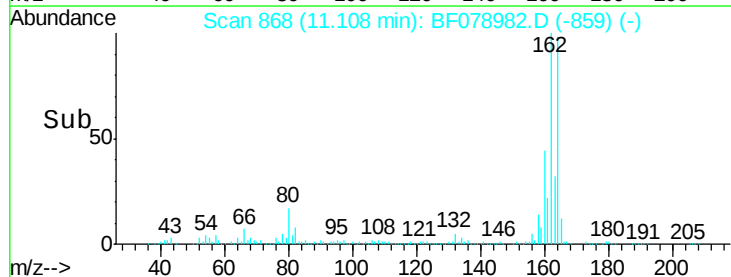
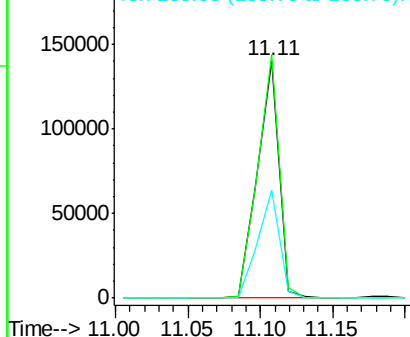


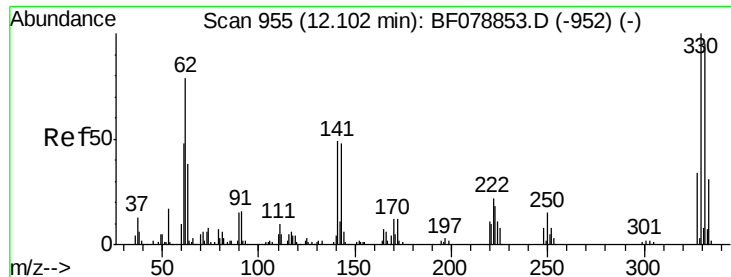
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.11 min Scan# 868  
Delta R.T. -0.00 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Tgt Ion:164 Resp: 143515  
Ion Ratio Lower Upper  
164 100  
162 102.4 82.7 124.1  
160 45.4 35.8 53.8



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

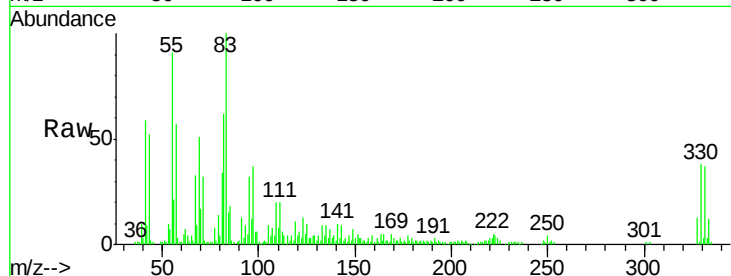




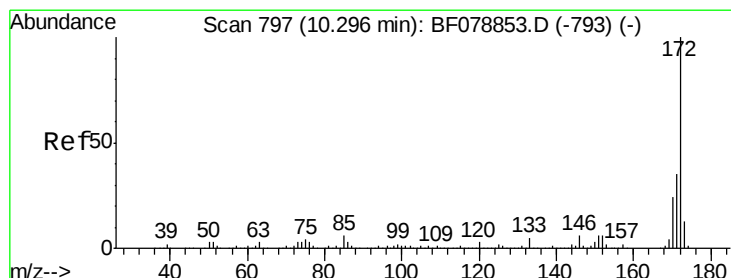
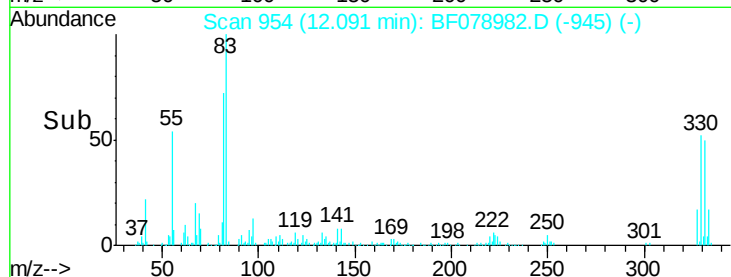
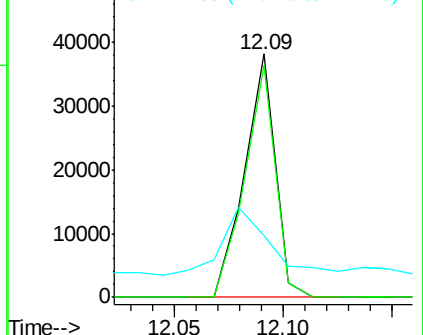
#41  
 2,4,6-Tribromophenol  
 Concen: 23.98 ng  
 RT: 12.09 min Scan# 954  
 Delta R.T. -0.00 min  
 Lab File: BF078982.D  
 Acq: 7 May 2015 6:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CT2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 0.0   | 0.0#  |
| 141     | 54.1  | 0.0   | 0.0#  |

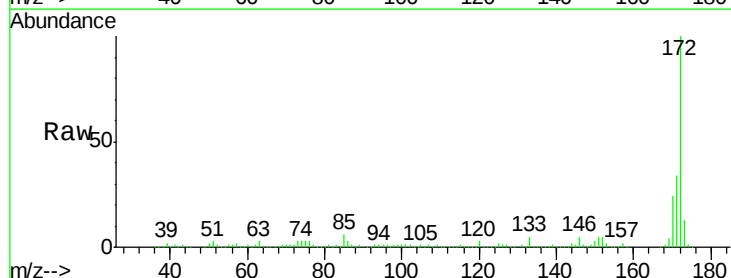


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

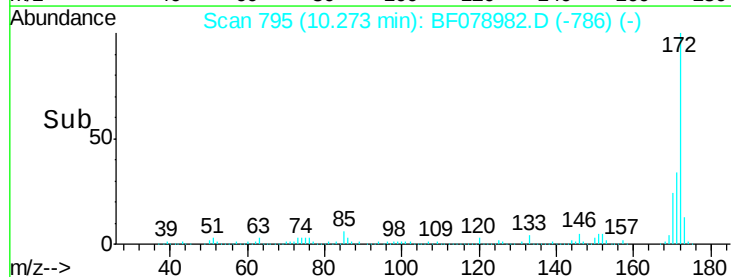
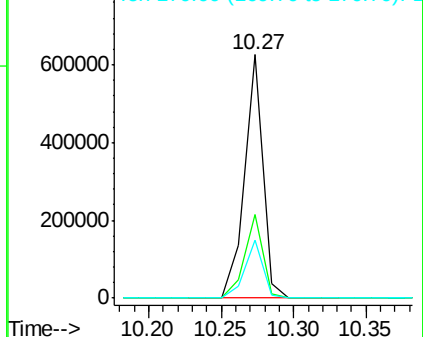


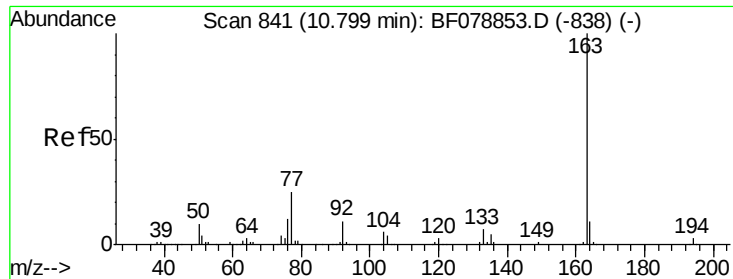
#44  
 2-Fluorobiphenyl  
 Concen: 53.26 ng  
 RT: 10.27 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF078982.D  
 Acq: 7 May 2015 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.3  | 27.9  | 41.9  |
| 170     | 23.7  | 19.4  | 29.0  |



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

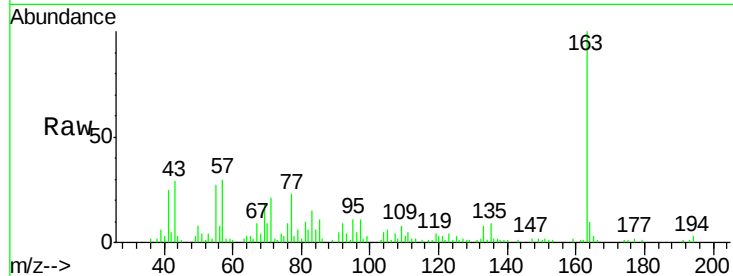




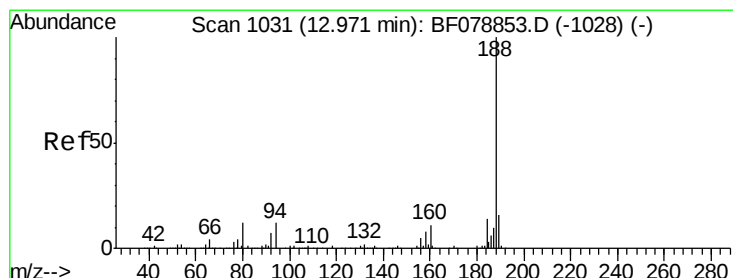
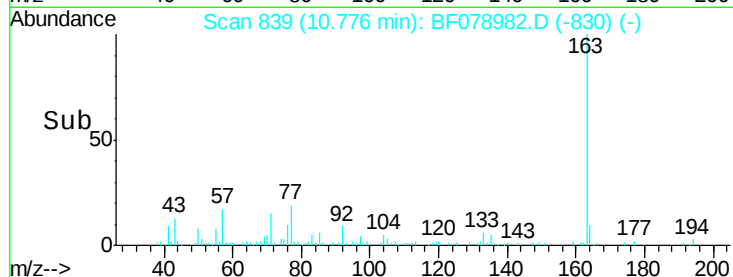
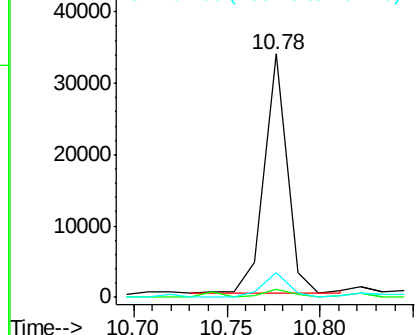
#49  
Dimethylphthalate  
Concen: 2.71 ng  
RT: 10.78 min Scan# 839  
Delta R.T. -0.00 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Instrument :  
BNA\_F  
ClientSampleId :  
CT2

Tot Ion:163 Resp: 28552  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 10.2 8.1 12.1

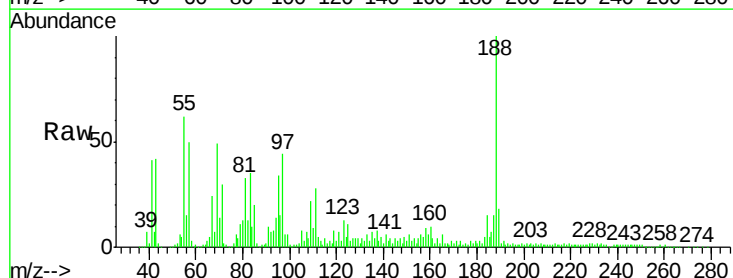


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

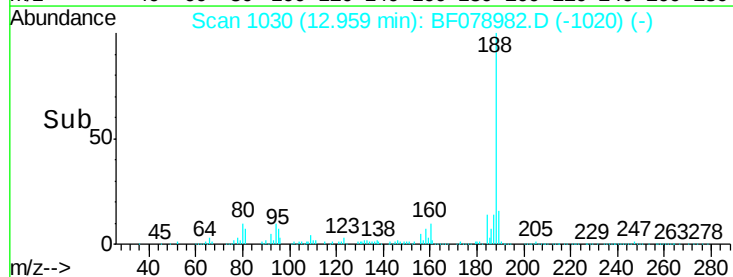
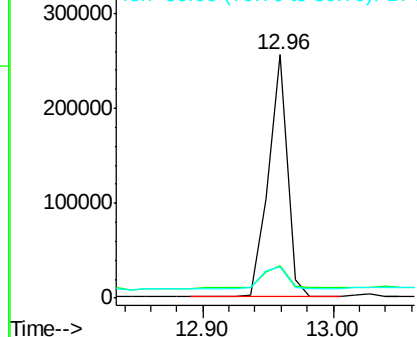


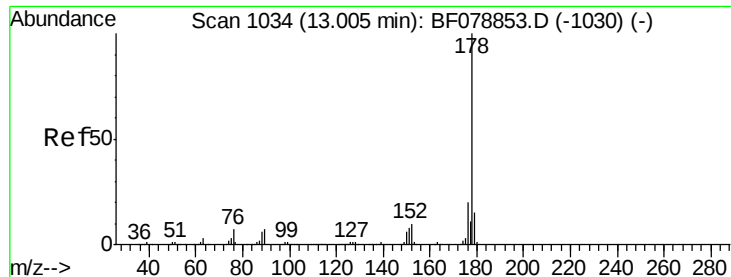
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.96 min Scan# 1030  
Delta R.T. 0.01 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Tgt Ion:188 Resp: 260672  
Ion Ratio Lower Upper  
188 100  
94 13.5 8.2 12.2#  
80 12.9 8.9 13.3



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

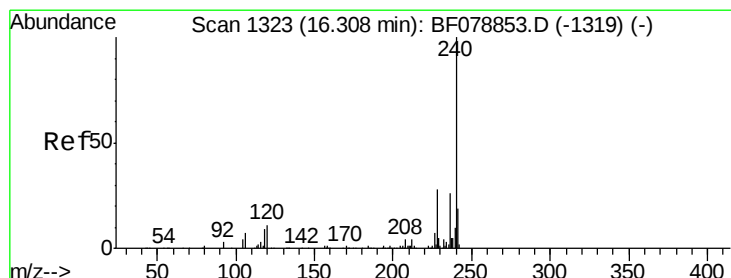
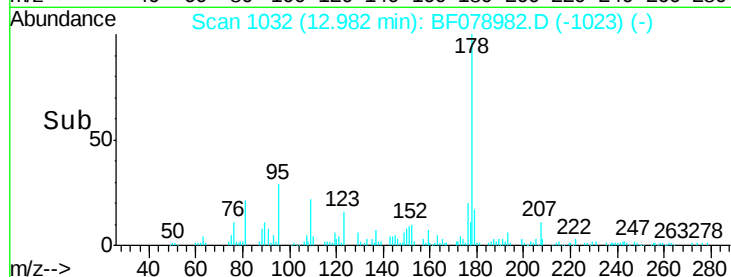
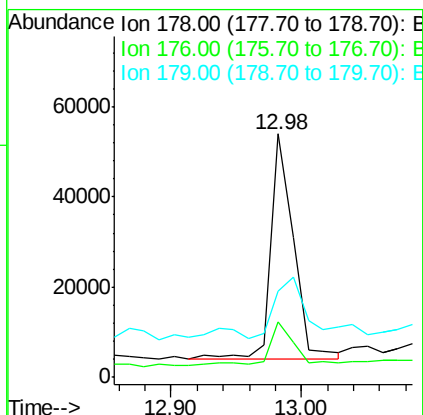
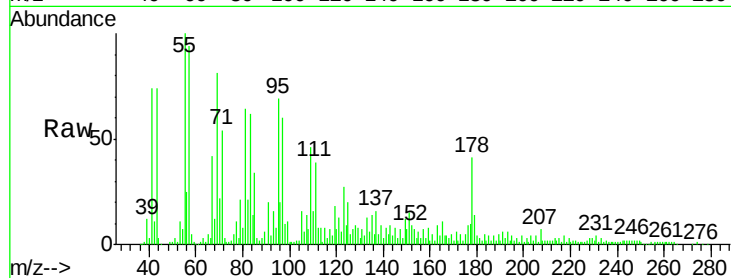




#70  
Phenanthrene  
Concen: 4.14 ng  
RT: 12.98 min Scan# 1032  
Delta R.T. -0.00 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

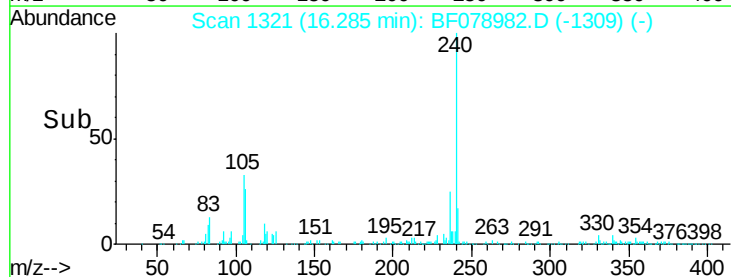
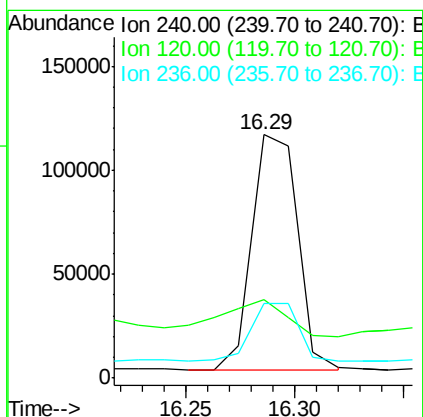
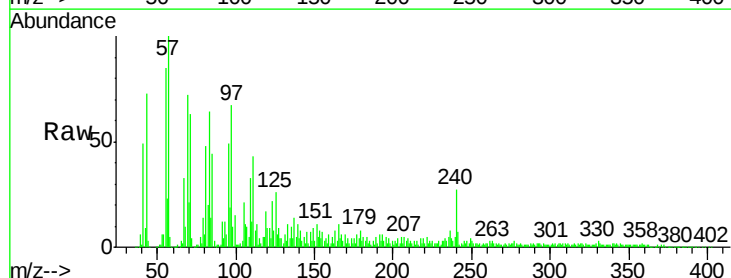
Instrument :  
BNA\_F  
ClientSampleId :  
CT2

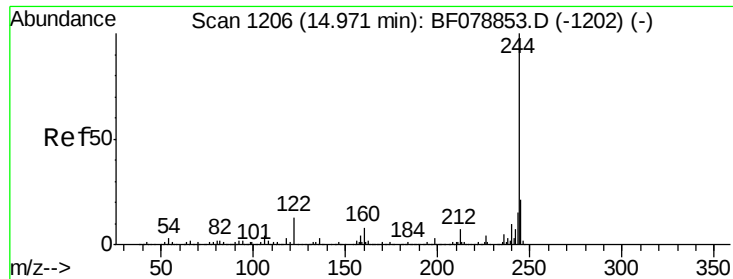
Tot Ion:178 Resp: 60351  
Ion Ratio Lower Upper  
178 100  
176 22.8 15.8 23.8  
179 35.2 12.5 18.7#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.29 min Scan# 1321  
Delta R.T. 0.03 min  
Lab File: BF078982.D  
Acq: 7 May 2015 6:39

Tgt Ion:240 Resp: 165080  
Ion Ratio Lower Upper  
240 100  
120 32.0 9.7 14.5#  
236 30.9 20.2 30.4#





#78

Terphenyl-d14

Concen: 60.97 ng

RT: 14.97 min Scan# 1206

Delta R.T. 0.02 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

Instrument :

BNA\_F

ClientSampled :

CT2

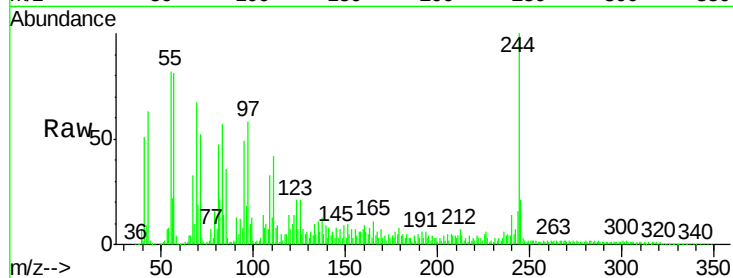
Tot Ion:244 Resp: 420429

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

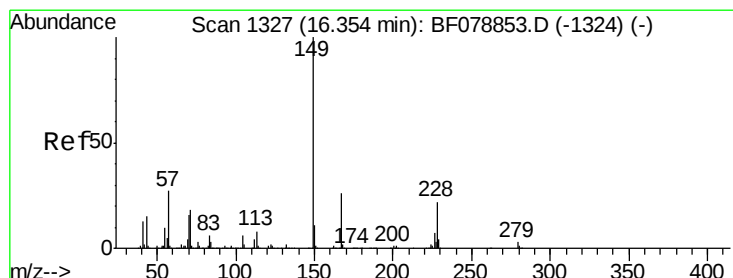
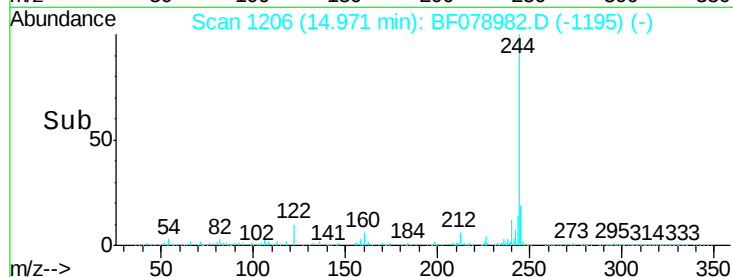
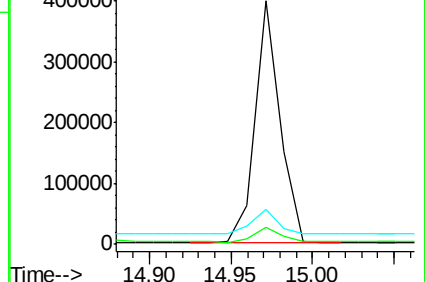
122 14.3 10.3 15.5



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: 67.88 ng

RT: 16.32 min Scan# 1324

Delta R.T. 0.03 min

Lab File: BF078982.D

Acq: 7 May 2015 6:39

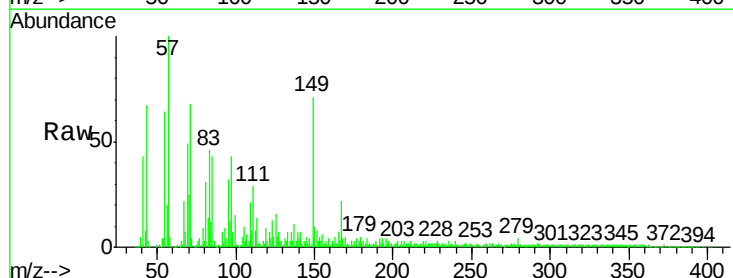
Tgt Ion:149 Resp: 427546

Ion Ratio Lower Upper

149 100

167 31.2 21.8 32.8

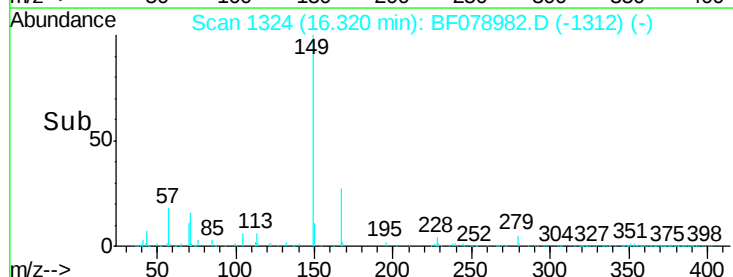
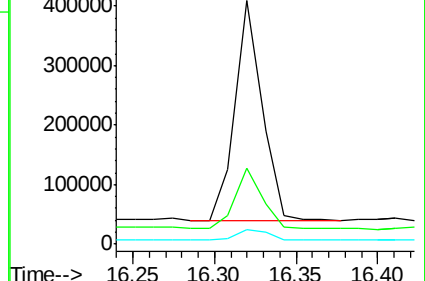
279 6.1 2.9 4.3#

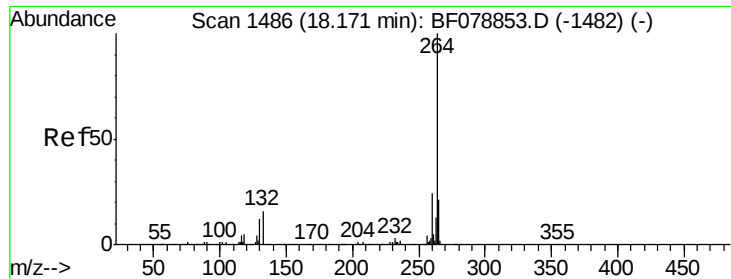


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

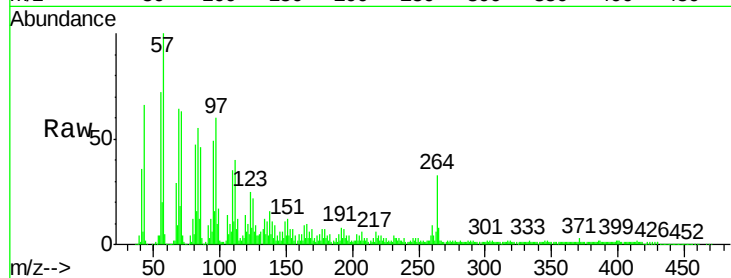




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 18.05 min Scan# 1475  
 Delta R.T. 0.08 min  
 Lab File: BF078982.D  
 Acq: 7 May 2015 6:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CT2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 27.0  | 19.4  | 29.2  |
| 265     | 24.8  | 18.3  | 27.5  |



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

