

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\  
 Data File : BF094496.D  
 Acq On : 18 Apr 2017 19:47  
 Operator : SJ/MA  
 Sample : I2741-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 19 01:15:42 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

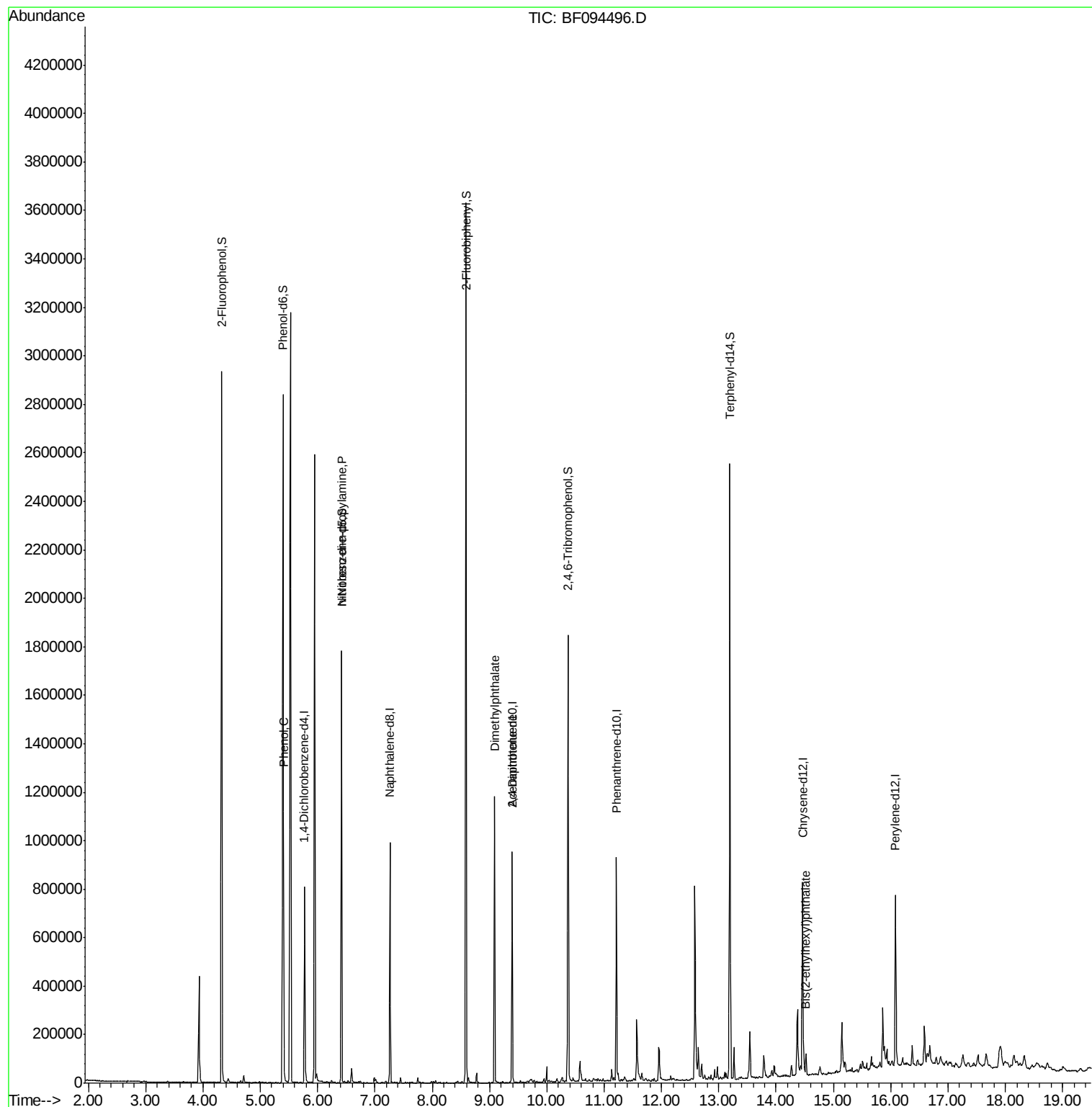
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.77  | 152  | 119562   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.27  | 136  | 482378   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.40  | 164  | 192609   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.21 | 188  | 375738   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.46 | 240  | 285383   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 16.08 | 264  | 263444   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.33  | 112  | 893327   | 123.96 | ng    | 0.02     |
| 7) Phenol-d6                   | 5.40  | 99   | 1138183  | 133.97 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.42  | 82   | 701506   | 89.80  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.37 | 330  | 225711   | 149.82 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.59  | 172  | 1214767  | 92.80  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.20 | 244  | 959123   | 89.83  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 5.41  | 94   | 23689    | 2.27   | ng    | 88       |
| 19) n-Nitroso-di-n-propylamine | 6.42  | 70   | 92299    | 16.40  | ng    | # 78     |
| 49) Dimethylphthalate          | 9.09  | 163  | 515834   | 35.94  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.40  | 165  | 24459    | 6.19   | ng    | # 33     |
| 83) Bis(2-ethylhexyl)phthalate | 14.52 | 149  | 27280    | 2.33   | ng    | # 96     |

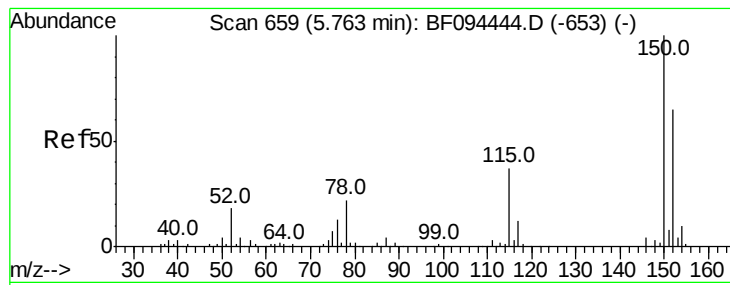
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



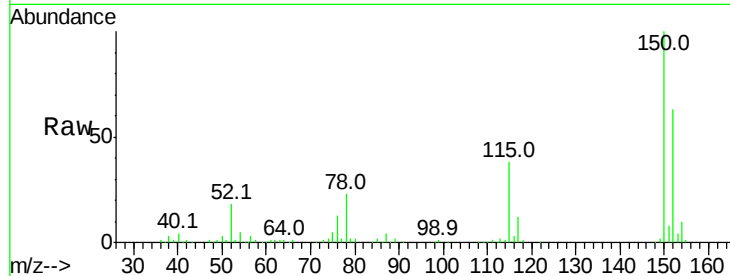


#1

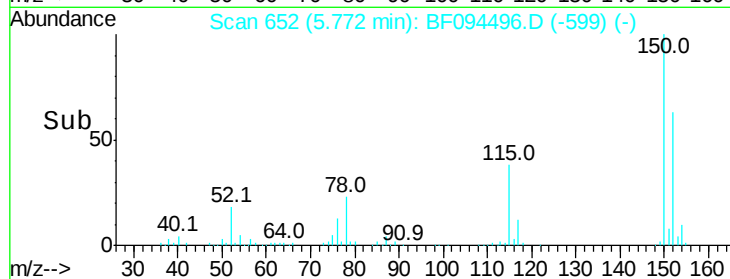
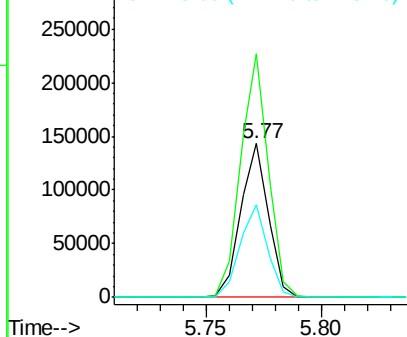
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.77 min Scan# 652  
Delta R.T. 0.01 min  
Lab File: BF094496.D  
Acq: 18 Apr 2017 19:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 119562  
Ion Ratio Lower Upper  
152 100  
150 158.1 126.2 189.2  
115 60.4 52.2 78.2



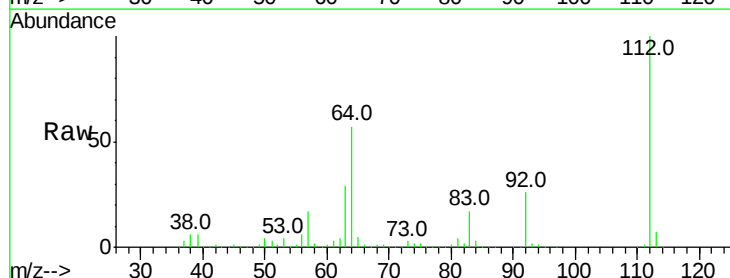
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



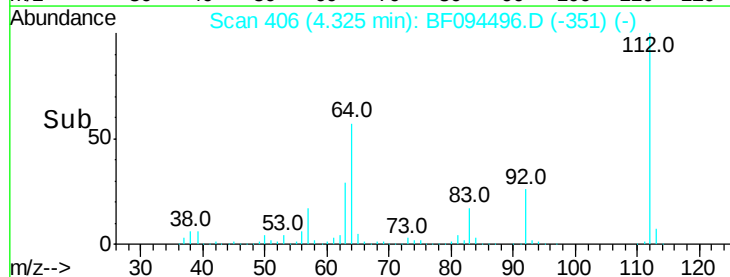
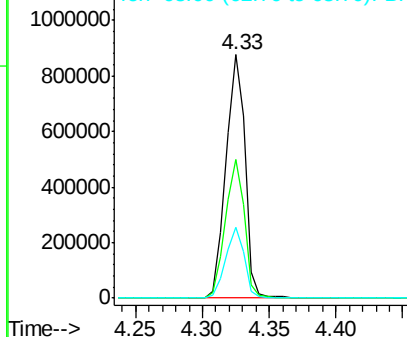
#5

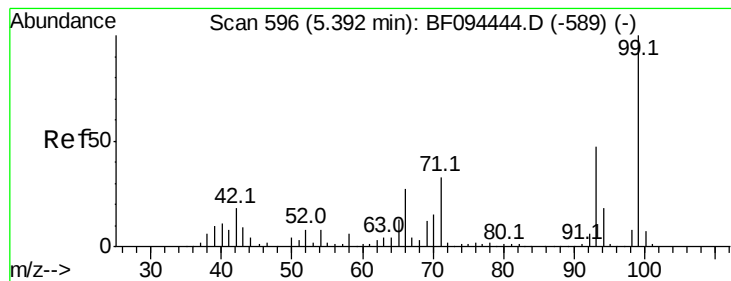
2-Fluorophenol  
Concen: 123.96 ng  
RT: 4.33 min Scan# 406  
Delta R.T. 0.02 min  
Lab File: BF094496.D  
Acq: 18 Apr 2017 19:47

Tgt Ion:112 Resp: 893327  
Ion Ratio Lower Upper  
112 100  
64 57.2 46.0 69.0  
63 29.3 23.4 35.0



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: 133.97 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094496.D

Acq: 18 Apr 2017 19:47

Instrument :

BNA\_F

ClientSampled :

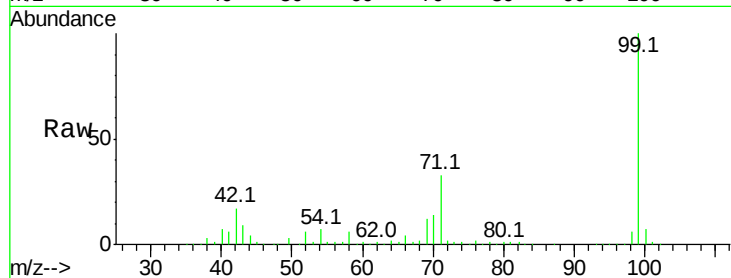
Tot Ion: 99 Resp: 1138183

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.4  | 13.5  | 20.3  |
| 71  | 33.4  | 24.5  | 36.7  |

99 100

42 17.4 13.5 20.3

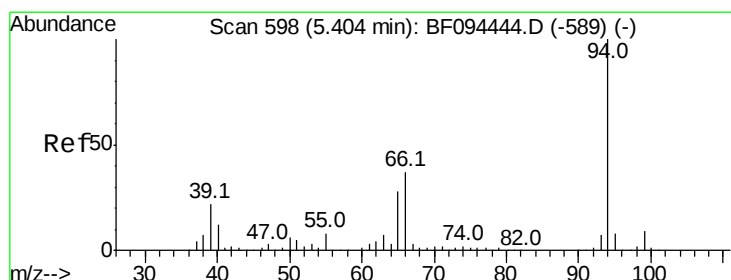
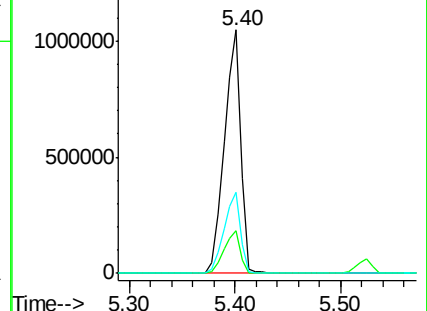
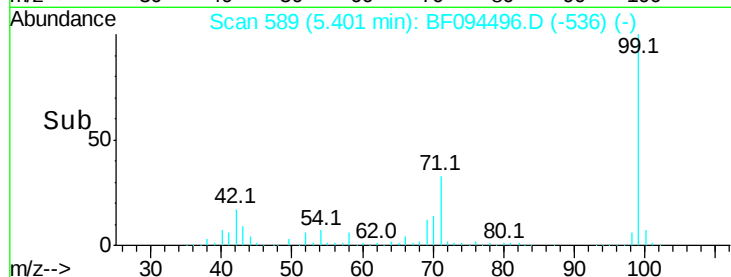
71 33.4 24.5 36.7



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: 2.27 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094496.D

Acq: 18 Apr 2017 19:47

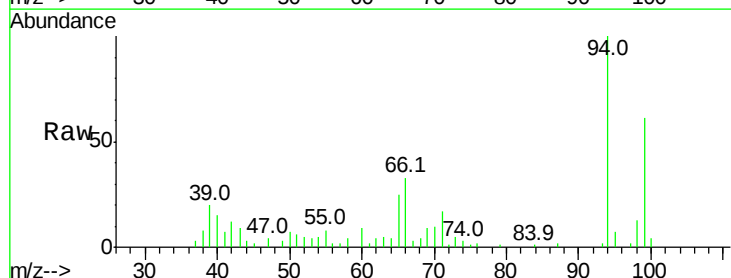
Tgt Ion: 94 Resp: 23689

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.3  | 9.9   | 49.9  |
| 66  | 33.4  | 23.1  | 63.1  |

94 100

65 25.3 9.9 49.9

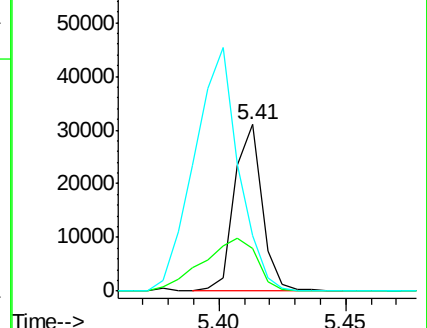
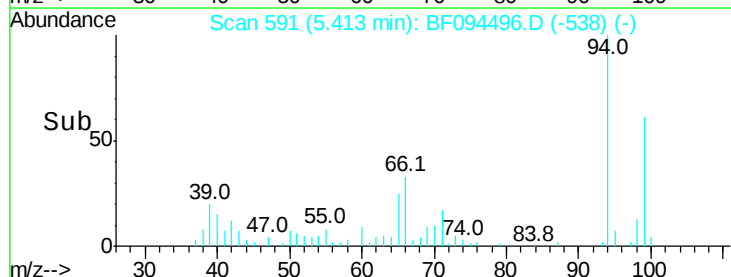
66 33.4 23.1 63.1

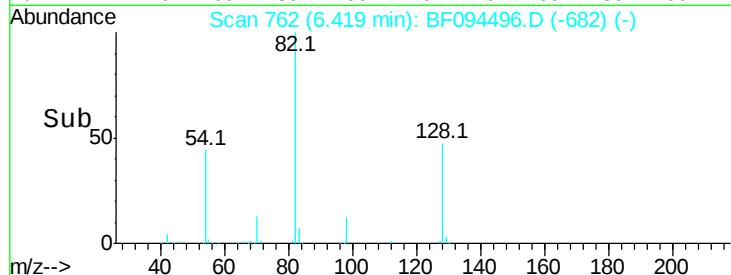
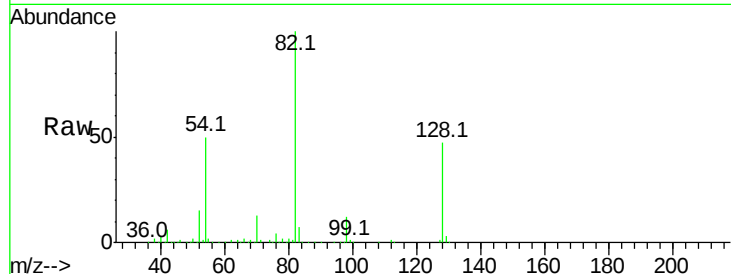
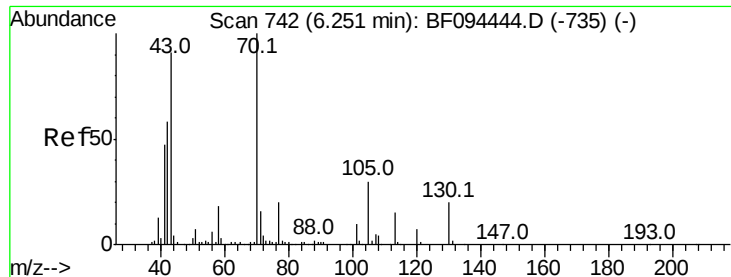


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

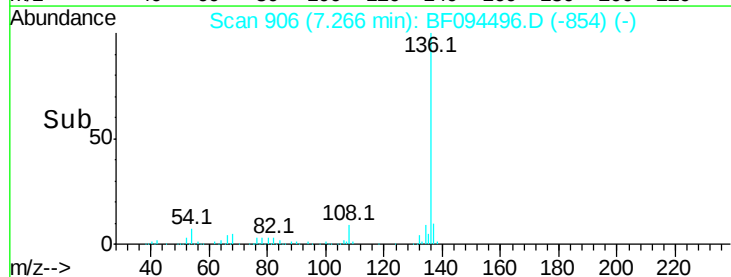
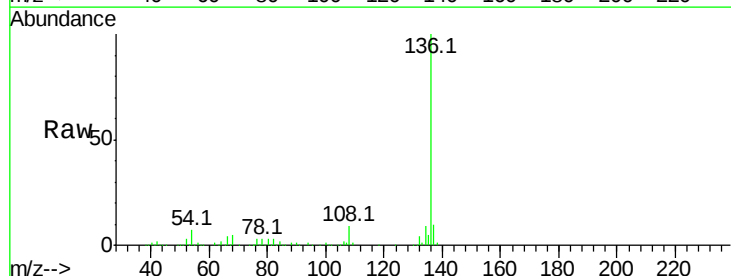
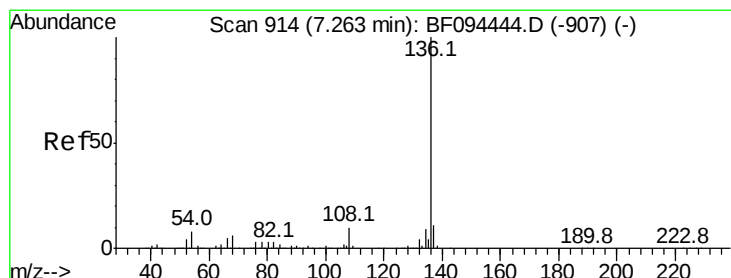
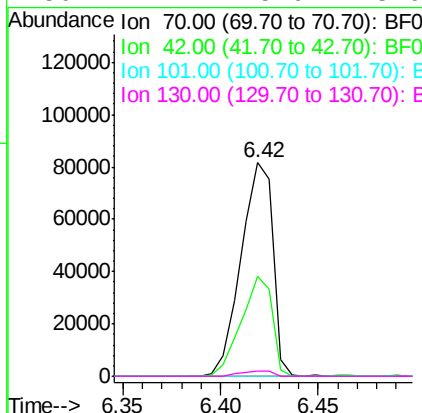




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.40 ng  
RT: 6.42 min Scan# 762  
Delta R.T. 0.17 min  
Lab File: BF094496.D  
Acq: 18 Apr 2017 19:47

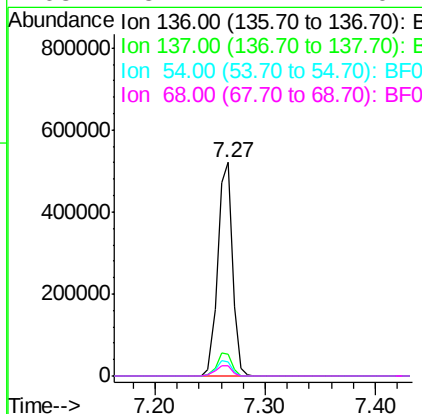
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 92299  
Ion Ratio Lower Upper  
70 100  
42 46.8 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.4 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.27 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: BF094496.D  
Acq: 18 Apr 2017 19:47

Tgt Ion:136 Resp: 482378  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.5 12.7  
54 6.6 4.9 7.3  
68 5.1 4.1 6.1

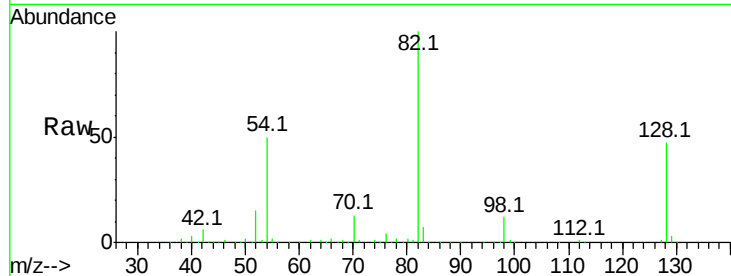




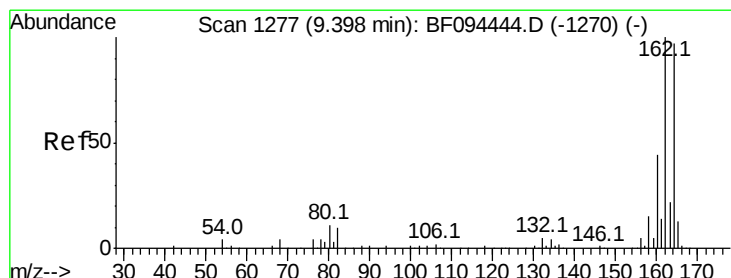
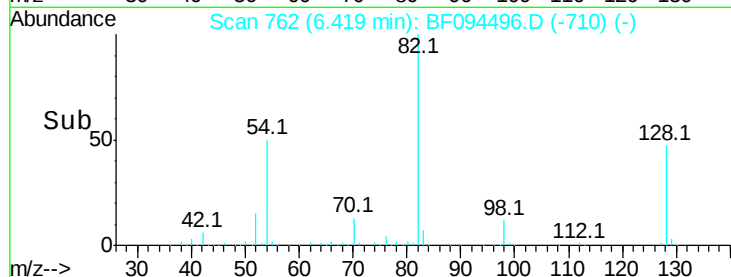
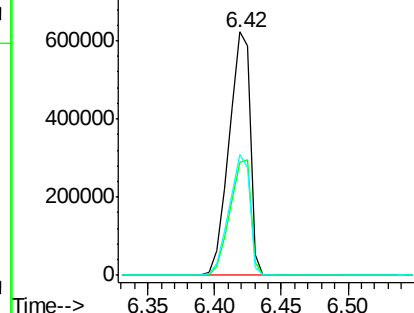
#23  
 Nitrobenzene-d5  
 Concen: 89.80 ng  
 RT: 6.42 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 701506  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 34.0 51.0  
 54 49.5 42.2 63.2

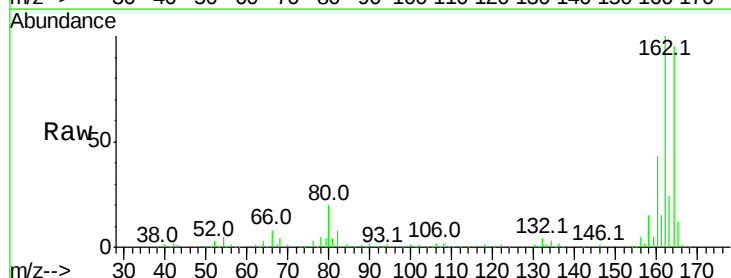


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

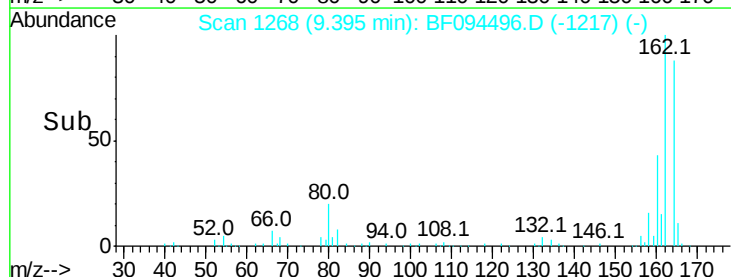
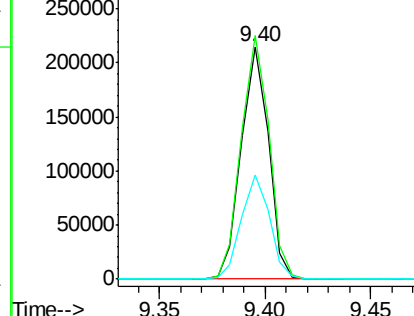


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.40 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

Tgt Ion:164 Resp: 192609  
 Ion Ratio Lower Upper  
 164 100  
 162 104.8 82.6 123.8  
 160 44.8 36.2 54.2



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

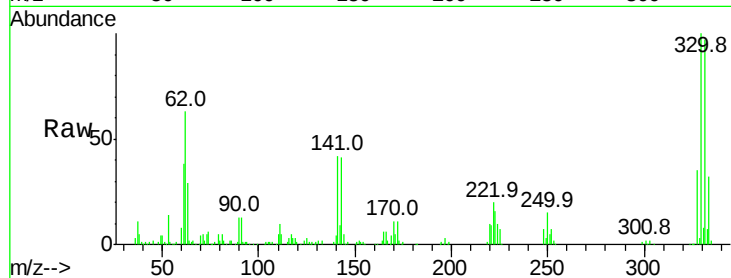




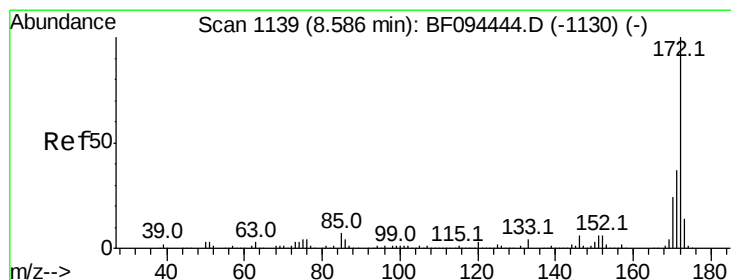
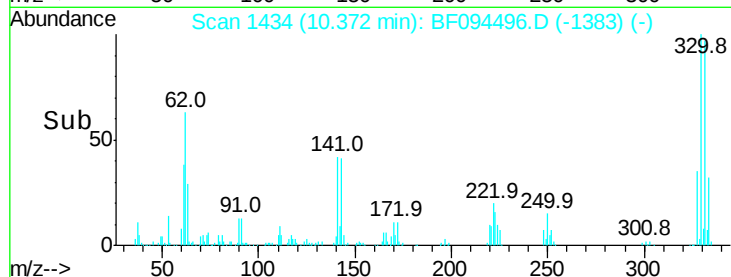
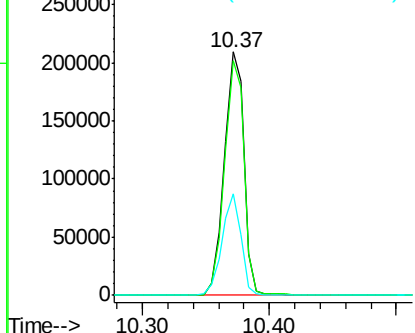
#41  
 2,4,6-Tribromophenol  
 Concen: 149.82 ng  
 RT: 10.37 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 225711  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.6 115.0  
 141 40.5 31.4 47.2

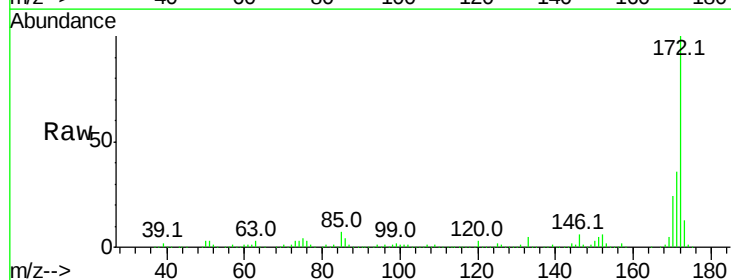


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

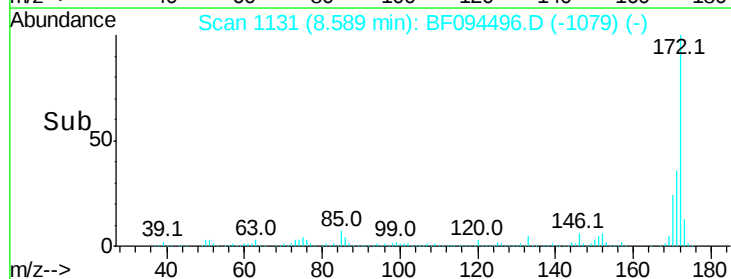
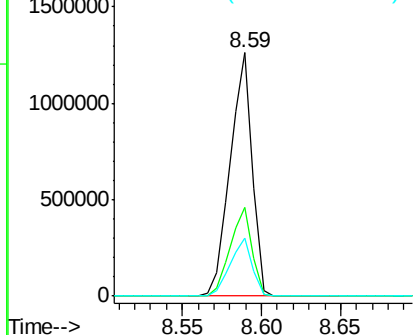


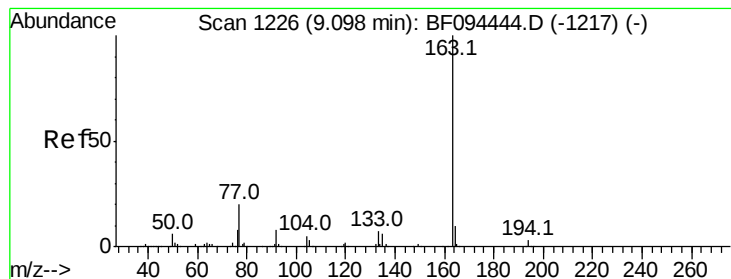
#44  
 2-Fluorobiphenyl  
 Concen: 92.80 ng  
 RT: 8.59 min Scan# 1131  
 Delta R.T. 0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

Tgt Ion:172 Resp: 1214767  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.6 44.4  
 170 23.7 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: 35.94 ng

RT: 9.09 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF094496.D

Acq: 18 Apr 2017 19:47

Instrument :

BNA\_F

ClientSampleId :

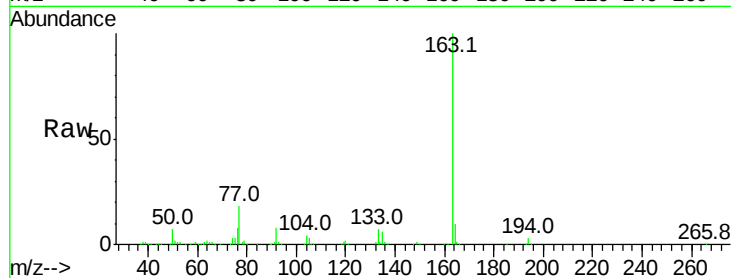
Tot Ion:163 Resp: 515834

Ion Ratio Lower Upper

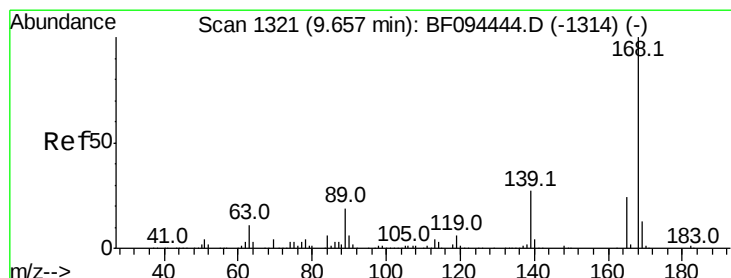
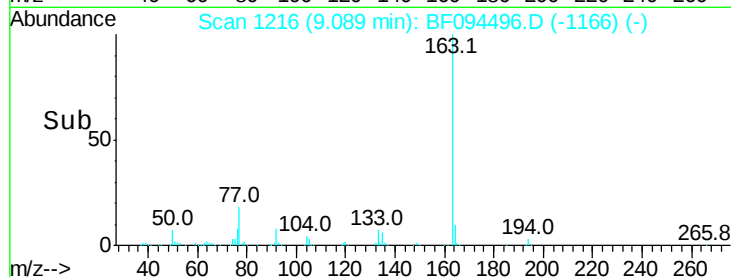
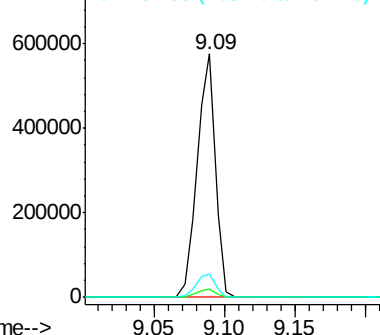
163 100

194 3.4 2.6 4.0

164 9.6 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.19 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094496.D

Acq: 18 Apr 2017 19:47

Tgt Ion:165 Resp: 24459

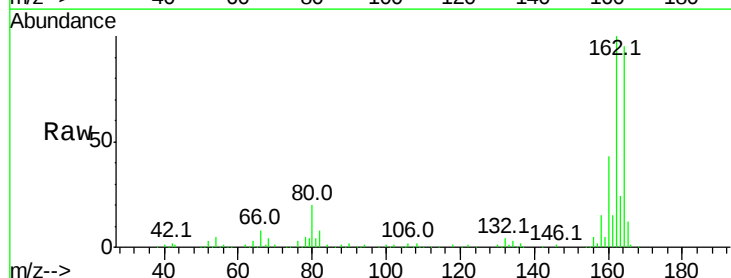
Ion Ratio Lower Upper

165 100

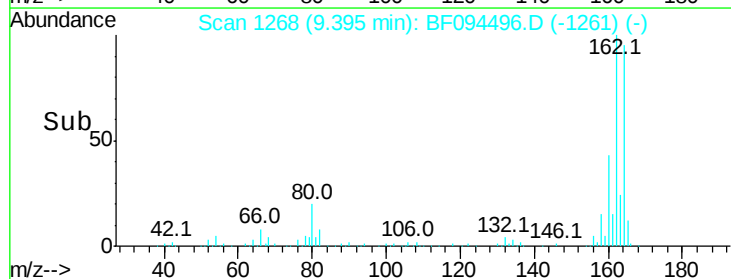
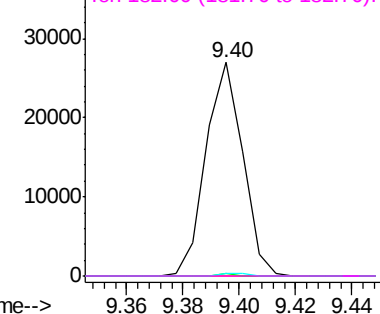
63 1.3 25.4 38.0#

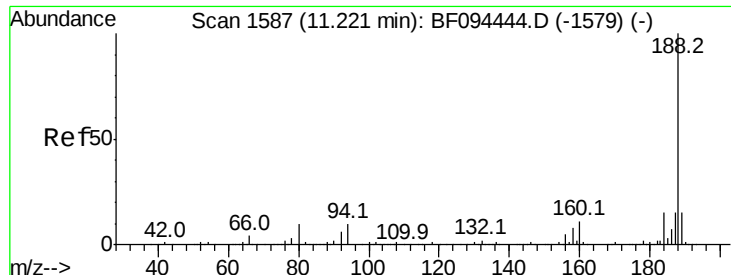
89 1.4 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

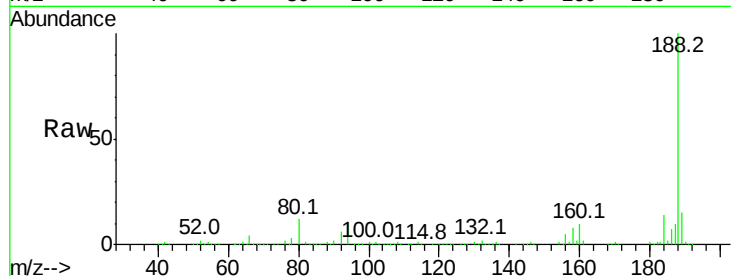




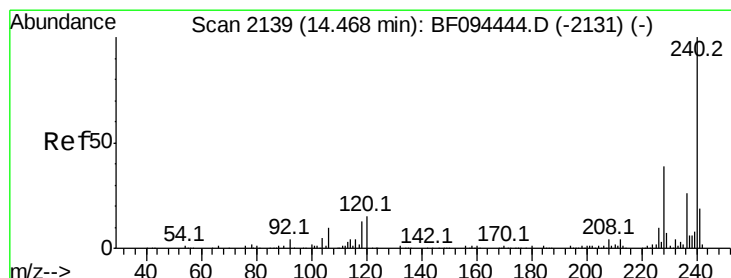
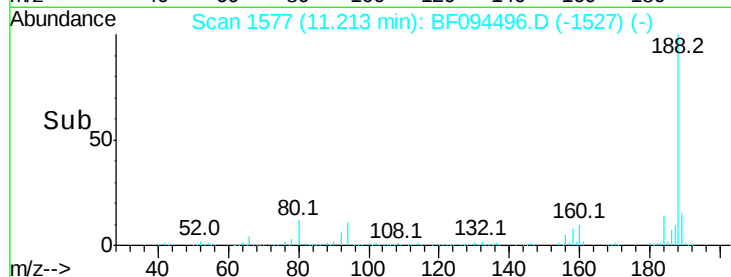
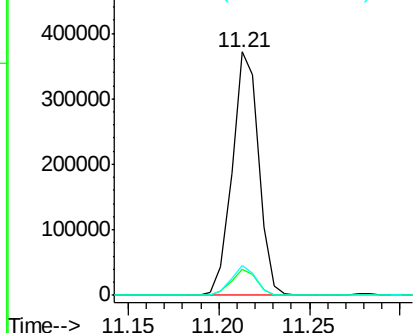
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.21 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF094496.D  
Acq: 18 Apr 2017 19:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 375738  
Ion Ratio Lower Upper  
188 100  
94 10.5 9.4 14.2  
80 12.1 10.2 15.2

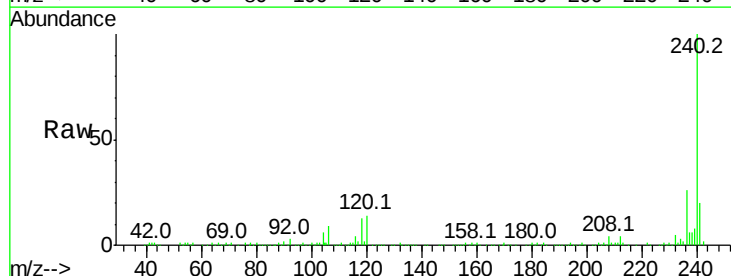


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

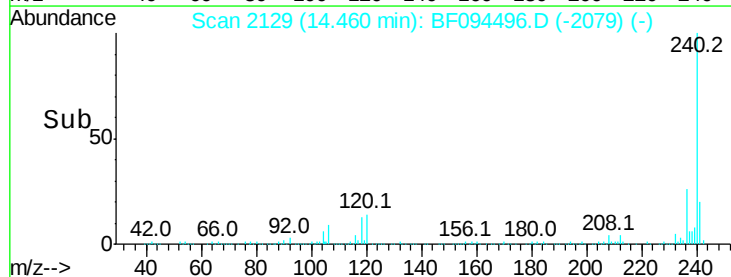
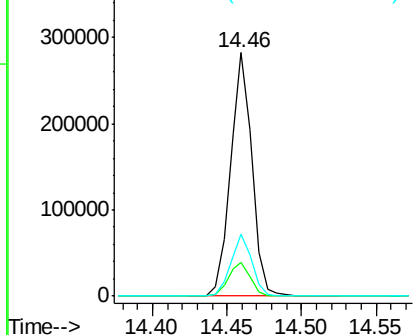


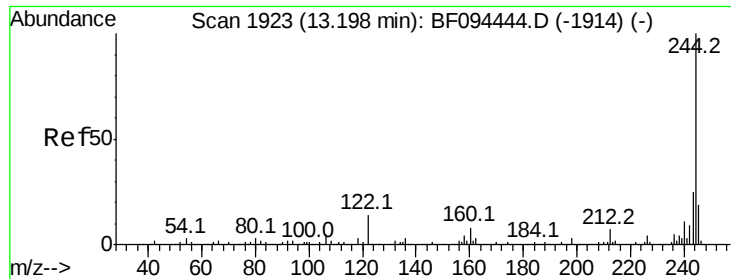
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.46 min Scan# 2129  
Delta R.T. -0.01 min  
Lab File: BF094496.D  
Acq: 18 Apr 2017 19:47

Tgt Ion:240 Resp: 285383  
Ion Ratio Lower Upper  
240 100  
120 13.9 5.8 8.8#  
236 25.7 20.5 30.7



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

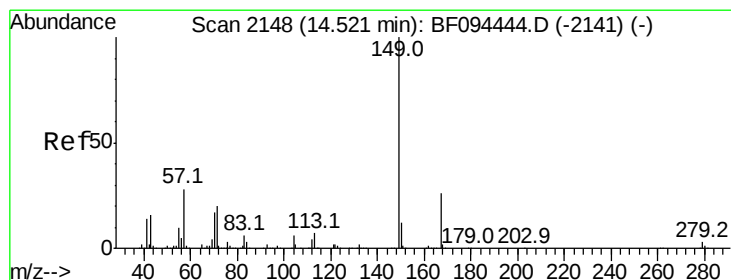
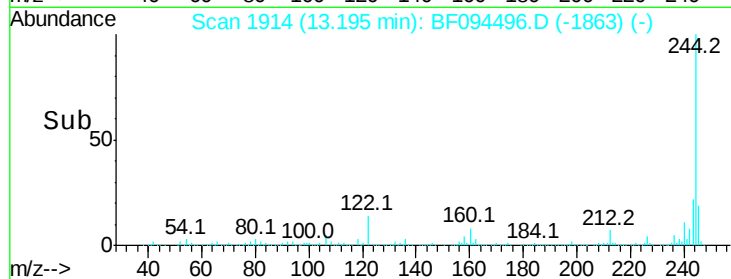
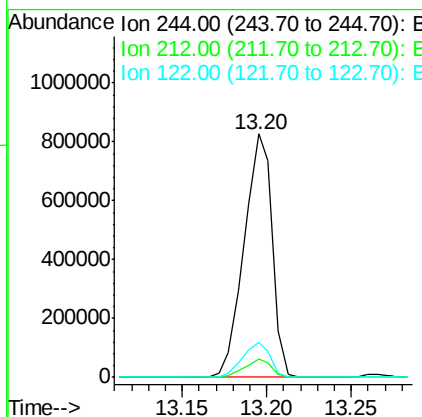
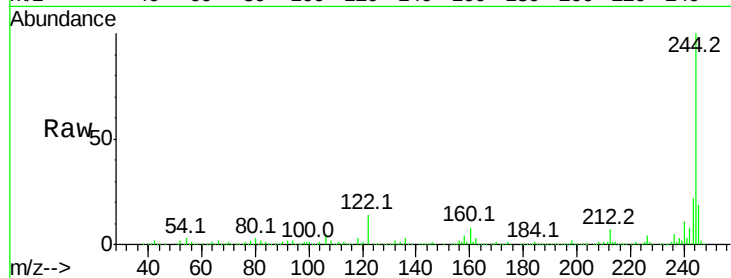




#78  
 Terphenyl-d14  
 Concen: 89.83 ng  
 RT: 13.20 min Scan# 1914  
 Delta R.T. -0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

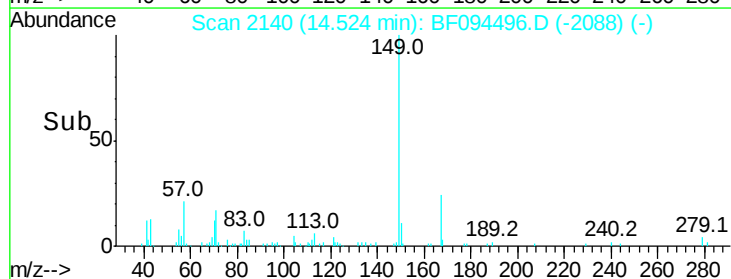
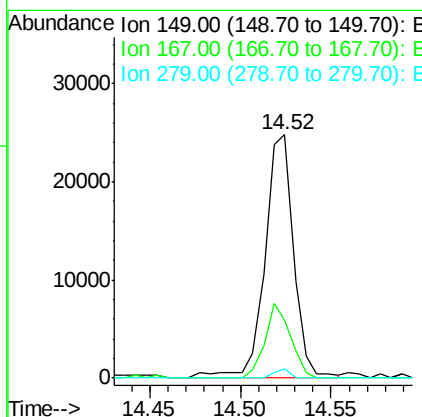
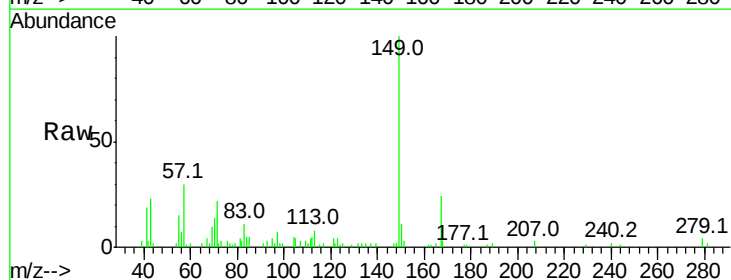
Instrument :  
 BNA\_F  
 ClientSampleId :

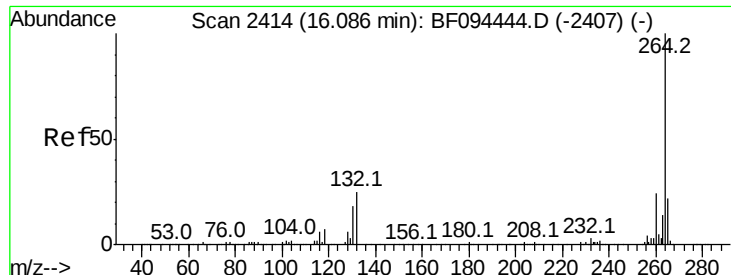
Tot Ion:244 Resp: 959123  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.0 9.0  
 122 14.2 10.3 15.5



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.33 ng  
 RT: 14.52 min Scan# 2140  
 Delta R.T. 0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

Tgt Ion:149 Resp: 27280  
 Ion Ratio Lower Upper  
 149 100  
 167 23.9 21.0 31.4  
 279 4.0 1.9 2.9#

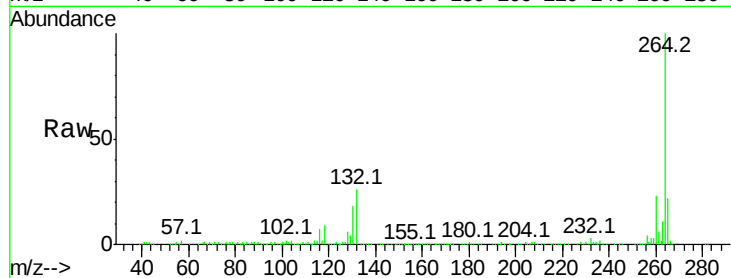




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 16.08 min Scan# 2405  
 Delta R.T. -0.00 min  
 Lab File: BF094496.D  
 Acq: 18 Apr 2017 19:47

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:264 Resp: 263444  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.5 29.3  
 265 22.3 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

