

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\  
 Data File : BF094519.D  
 Acq On : 19 Apr 2017 16:50  
 Operator : SJ/MA  
 Sample : I2752-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 20 03:05:06 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

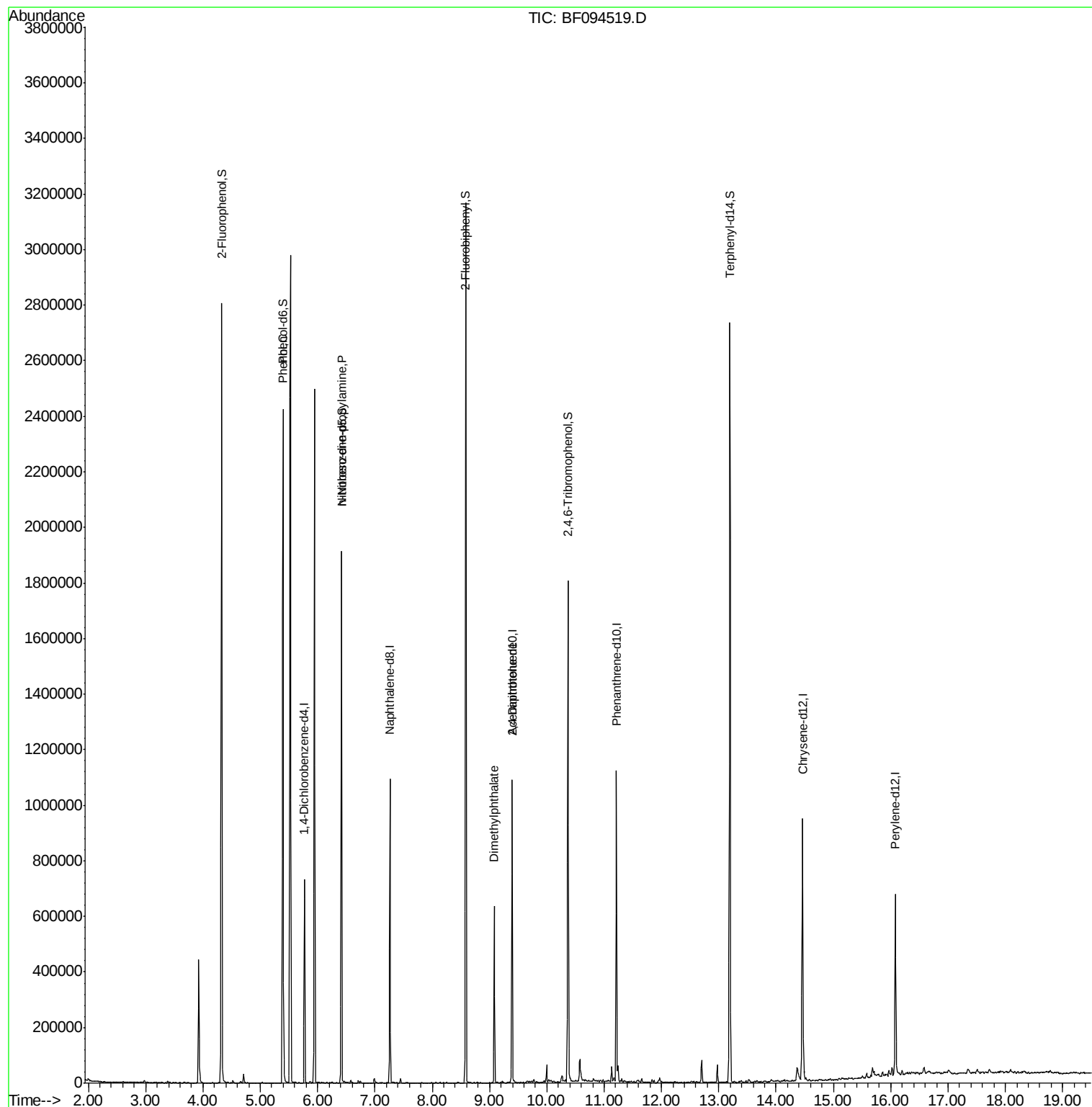
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.77  | 152  | 119638   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 7.26  | 136  | 496688   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10           | 9.40  | 164  | 221510   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.21 | 188  | 431311   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12               | 14.46 | 240  | 346882   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 16.08 | 264  | 252106   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.32  | 112  | 828928   | 114.95 | ng    | 0.02      |
| 7) Phenol-d6                   | 5.40  | 99   | 1030057  | 121.16 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 6.42  | 82   | 669509   | 83.23  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.37 | 330  | 223417   | 128.95 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 8.58  | 172  | 1141906  | 75.85  | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.19 | 244  | 1009336  | 77.78  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 5.41  | 94   | 22548    | 2.16   | ng    | Qvalue 93 |
| 19) n-Nitroso-di-n-propylamine | 6.42  | 70   | 88300    | 15.68  | ng    | # 77      |
| 49) Dimethylphthalate          | 9.08  | 163  | 259403   | 15.71  | ng    | 100       |
| 56) 2,4-Dinitrotoluene         | 9.40  | 165  | 28435    | 6.25   | ng    | # 32      |

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

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ClientSampleId :

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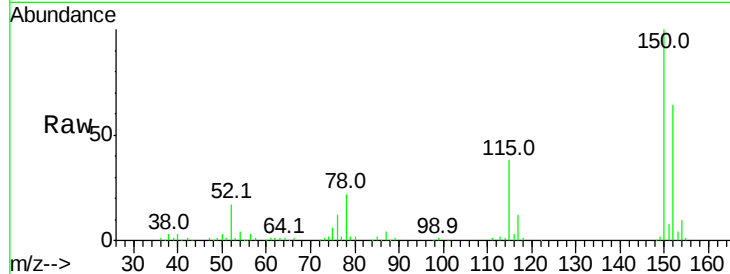


#1

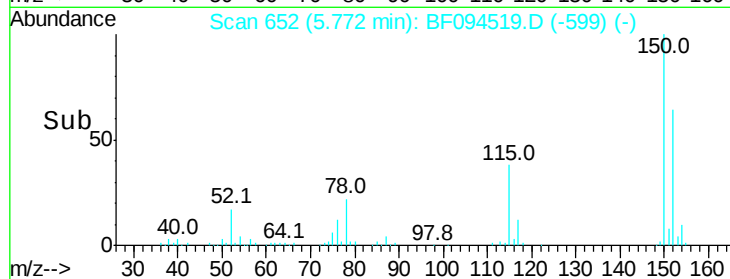
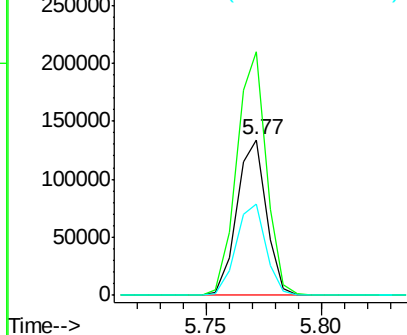
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.77 min Scan# 652  
Delta R.T. 0.01 min  
Lab File: BF094519.D  
Acq: 19 Apr 2017 16:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 119638  
Ion Ratio Lower Upper  
152 100  
150 156.3 126.2 189.2  
115 58.9 52.2 78.2



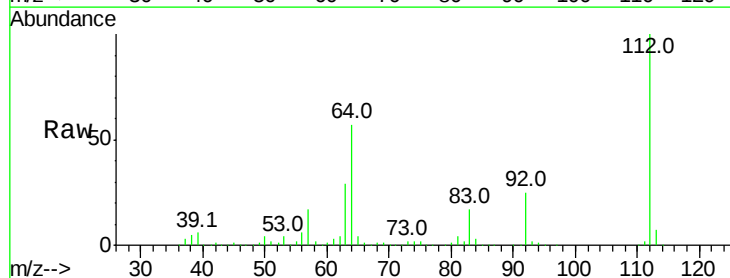
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



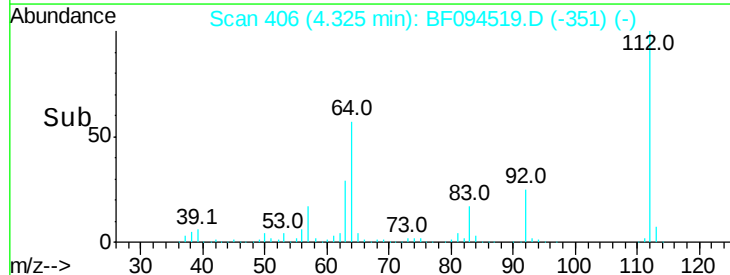
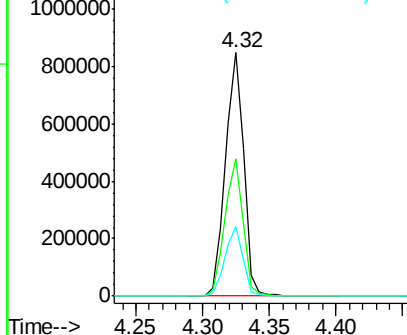
#5

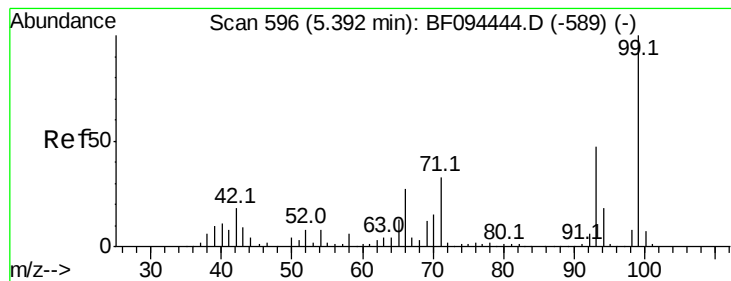
2-Fluorophenol  
Concen: 114.95 ng  
RT: 4.32 min Scan# 406  
Delta R.T. 0.02 min  
Lab File: BF094519.D  
Acq: 19 Apr 2017 16:50

Tgt Ion:112 Resp: 828928  
Ion Ratio Lower Upper  
112 100  
64 56.7 46.0 69.0  
63 28.6 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: 121.16 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094519.D

Acq: 19 Apr 2017 16:50

Instrument :

BNA\_F

ClientSampled :

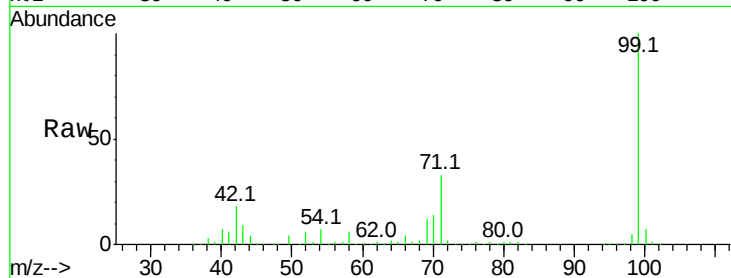
Tot Ion: 99 Resp: 1030057

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 13.5  | 20.3  |
| 71  | 33.5  | 24.5  | 36.7  |

99 100

42 17.9 13.5 20.3

71 33.5 24.5 36.7

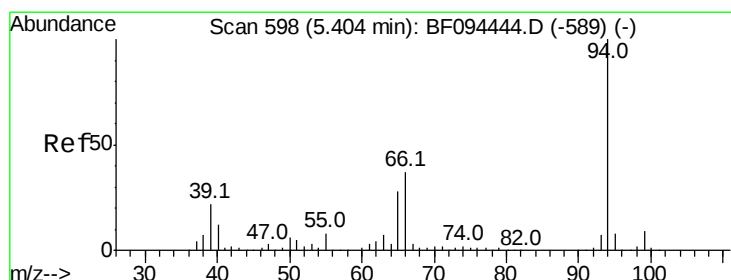
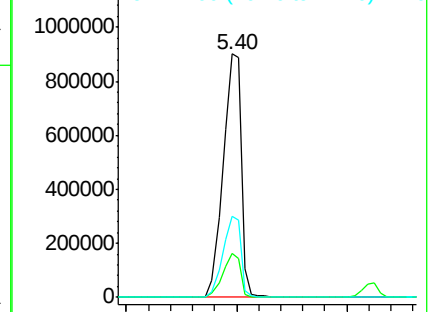
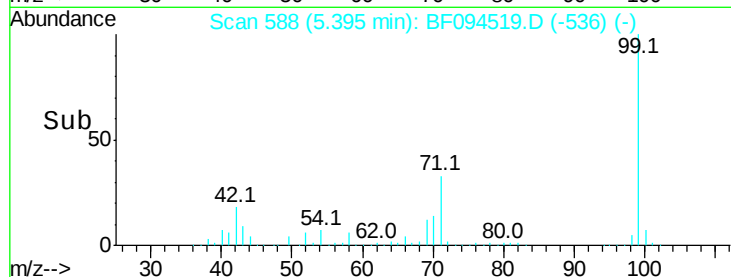


Abundance

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: 2.16 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF094519.D

Acq: 19 Apr 2017 16:50

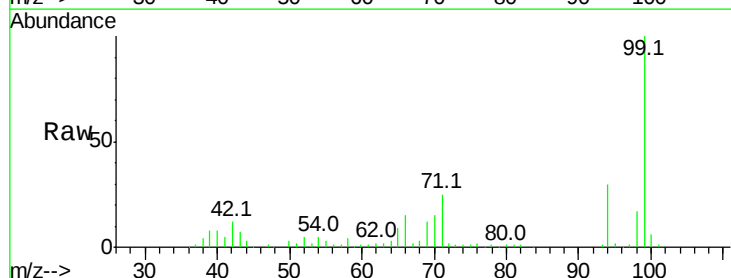
Tgt Ion: 94 Resp: 22548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.6  | 9.9   | 49.9  |
| 66  | 49.6  | 23.1  | 63.1  |

94 100

65 31.6 9.9 49.9

66 49.6 23.1 63.1

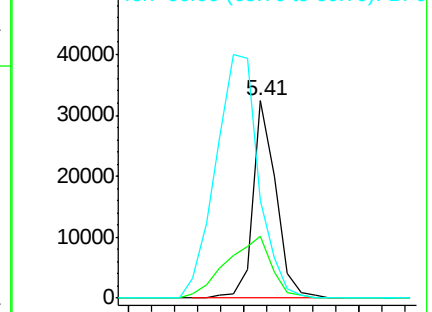
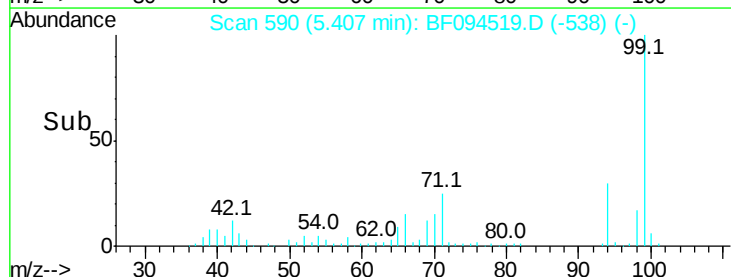


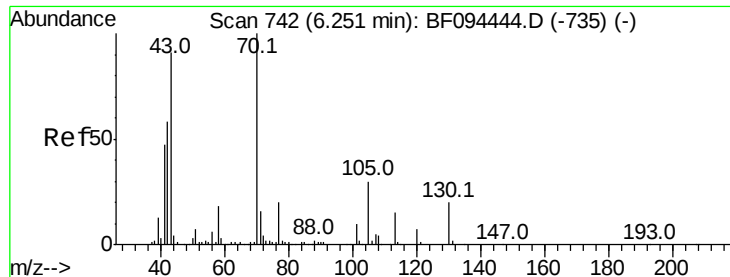
Abundance

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

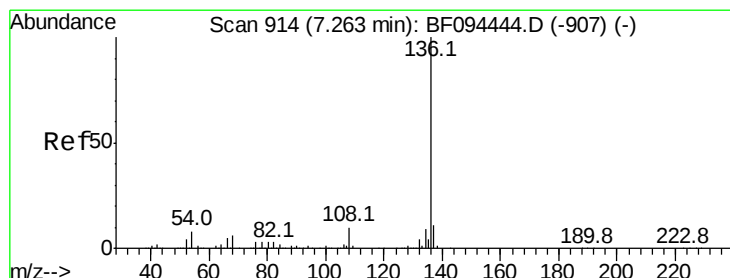
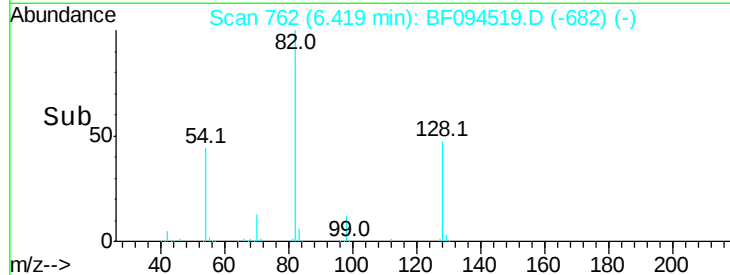
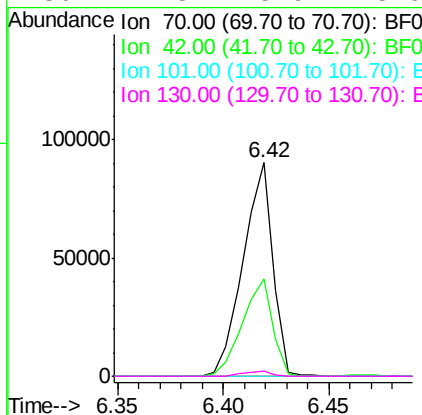
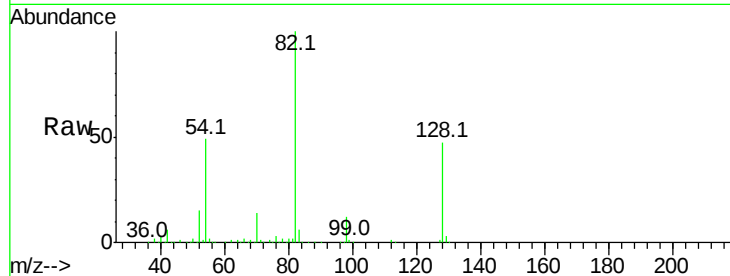




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 15.68 ng  
 RT: 6.42 min Scan# 762  
 Delta R.T. 0.17 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

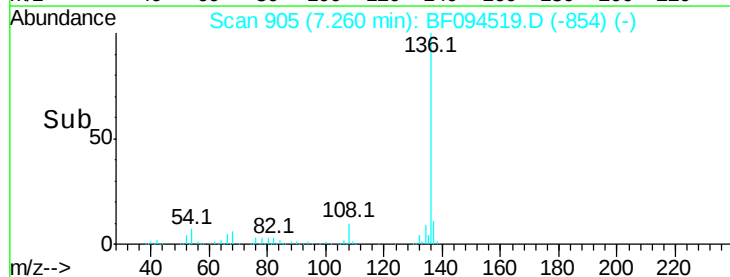
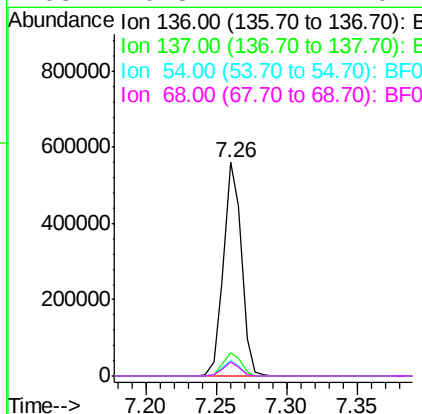
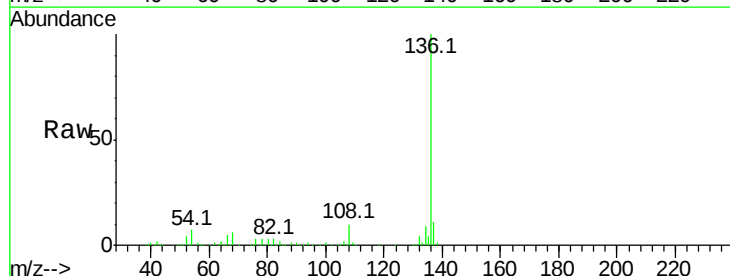
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 70 Resp: 88300  
 Ion Ratio Lower Upper  
 70 100  
 42 45.5 47.2 70.8#  
 101 0.0 7.2 10.8#  
 130 2.3 15.9 23.9#



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 7.26 min Scan# 905  
 Delta R.T. -0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Tgt Ion: 136 Resp: 496688  
 Ion Ratio Lower Upper  
 136 100  
 137 11.0 8.5 12.7  
 54 7.4 4.9 7.3#  
 68 6.3 4.1 6.1#

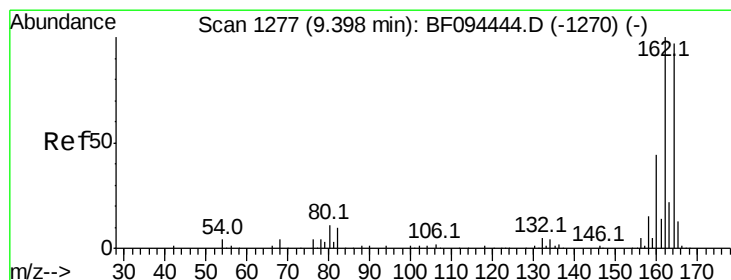
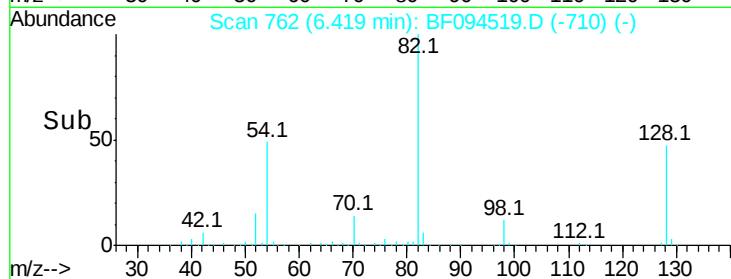
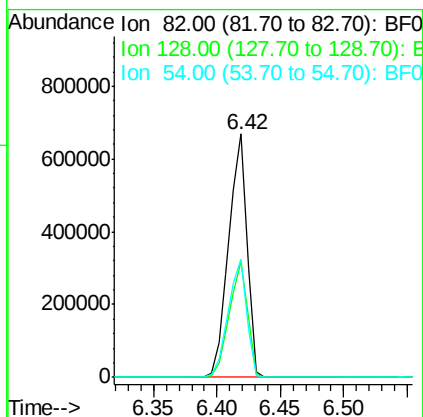
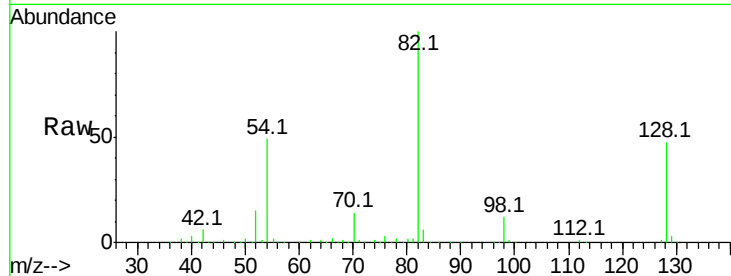




#23  
 Nitrobenzene-d5  
 Concen: 83.23 ng  
 RT: 6.42 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

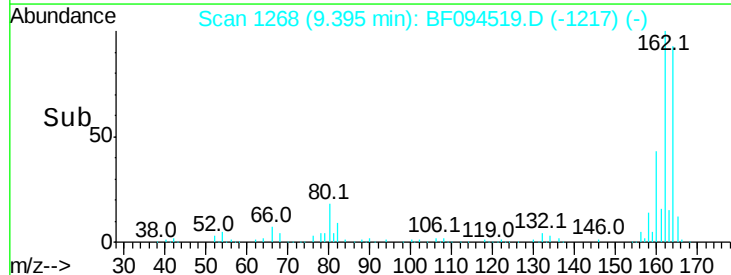
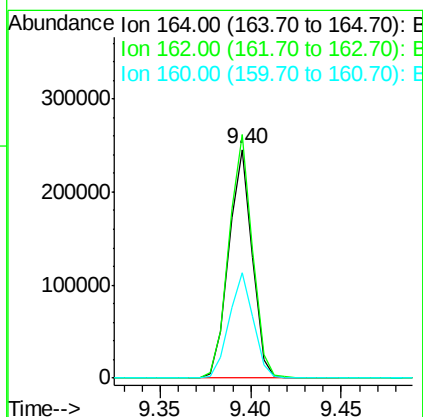
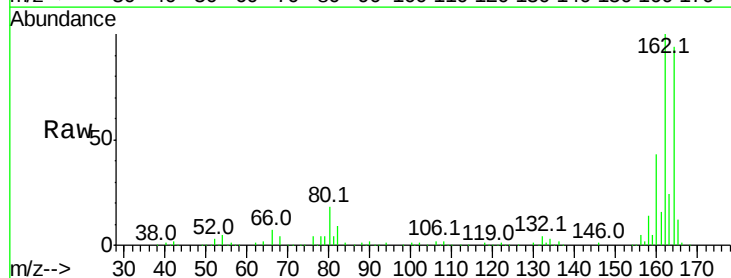
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.5  | 34.0  | 51.0  |
| 54      | 48.5  | 42.2  | 63.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.40 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.7 | 82.6  | 123.8 |
| 160     | 46.3  | 36.2  | 54.2  |

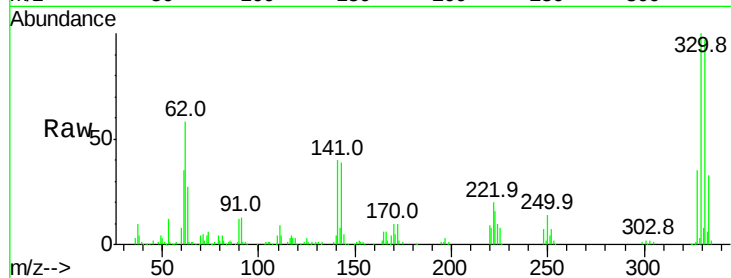




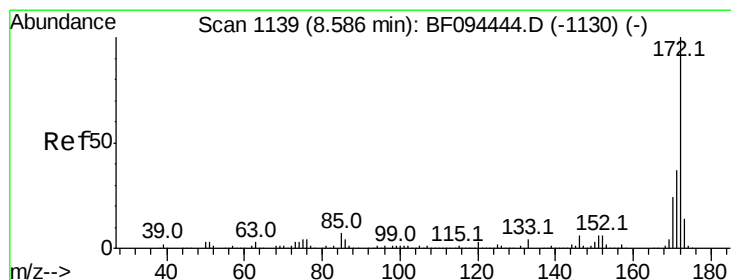
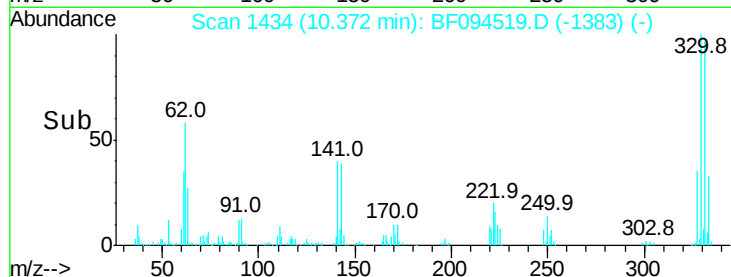
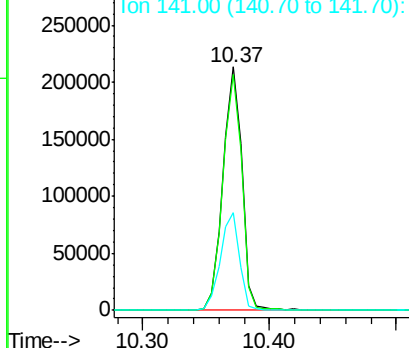
#41  
 2,4,6-Tribromophenol  
 Concen: 128.95 ng  
 RT: 10.37 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 223417  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 76.6 115.0  
 141 40.7 31.4 47.2

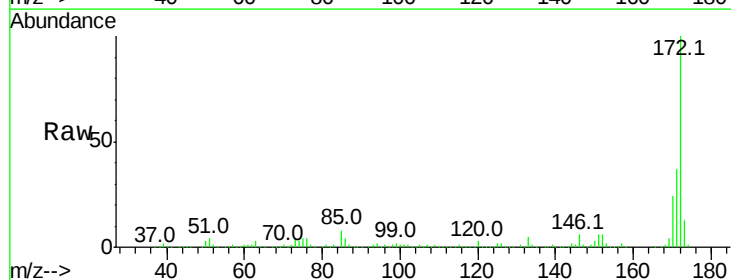


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

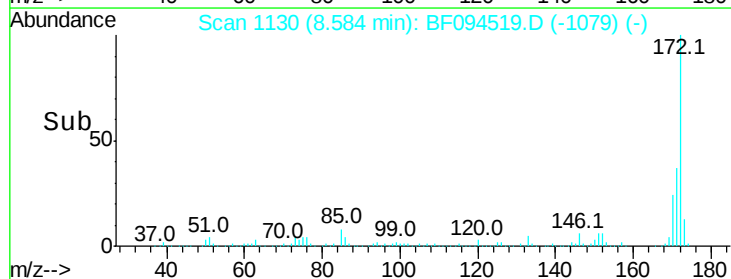
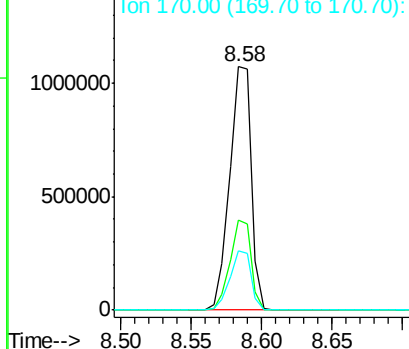


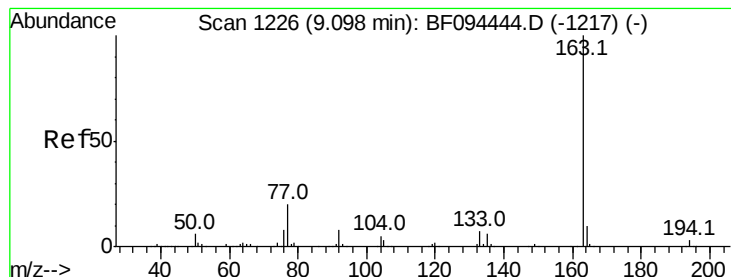
#44  
 2-Fluorobiphenyl  
 Concen: 75.85 ng  
 RT: 8.58 min Scan# 1130  
 Delta R.T. -0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Tgt Ion:172 Resp: 1141906  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.6 44.4  
 170 24.2 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: 15.71 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094519.D

Acq: 19 Apr 2017 16:50

Instrument :

BNA\_F

ClientSampleId :

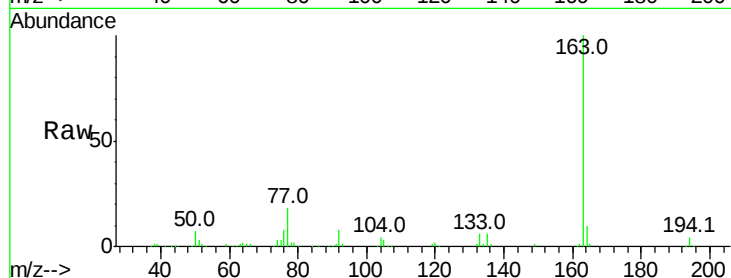
Tot Ion:163 Resp: 259403

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

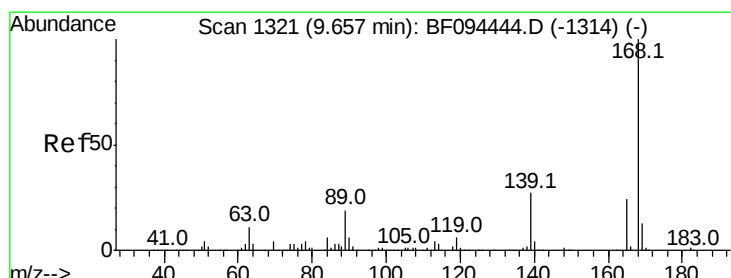
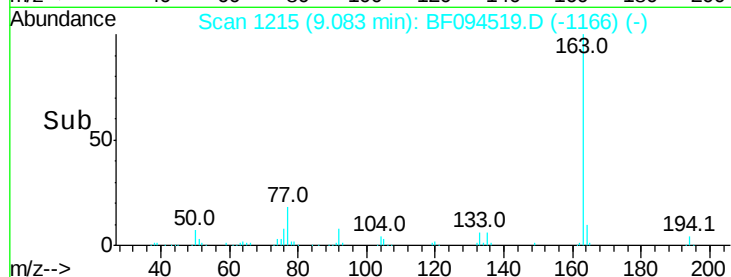
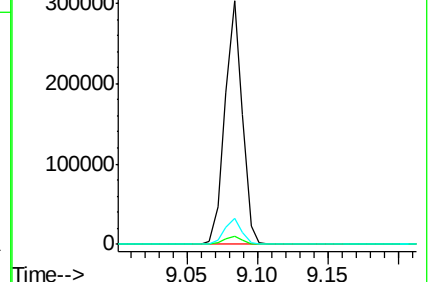
164 10.5 8.4 12.6



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: 6.25 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094519.D

Acq: 19 Apr 2017 16:50

Tgt Ion:165 Resp: 28435

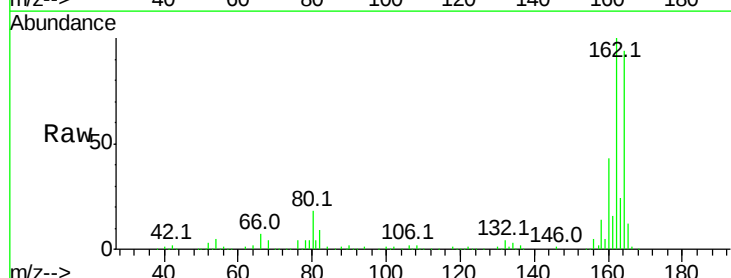
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

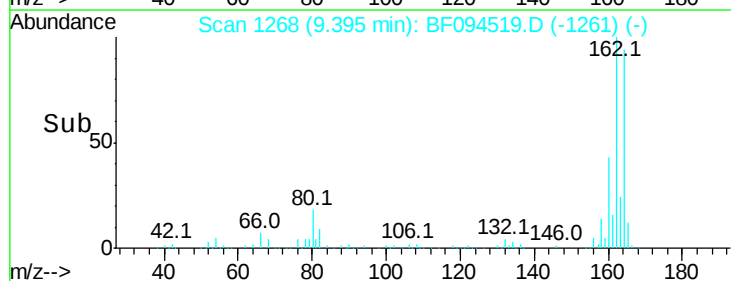
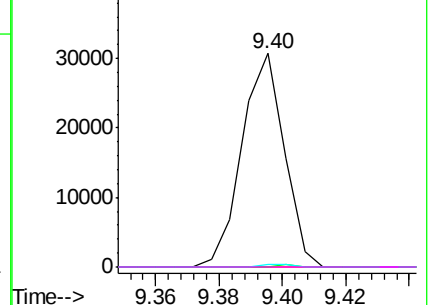


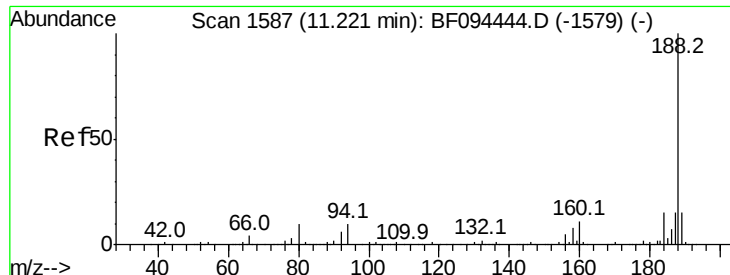
Abundance Ion 165.00 (164.70 to 165.70): E

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

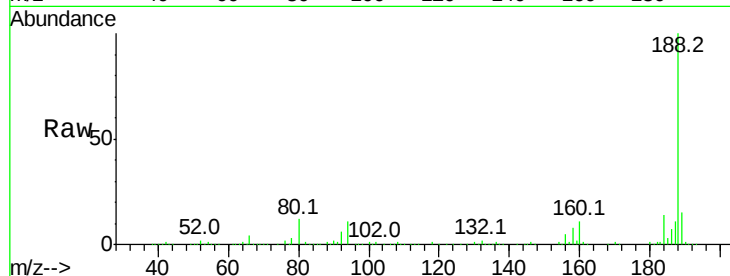




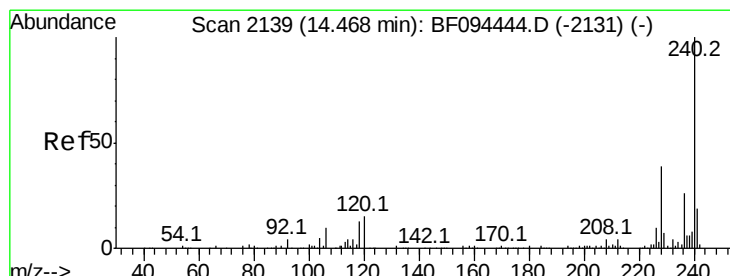
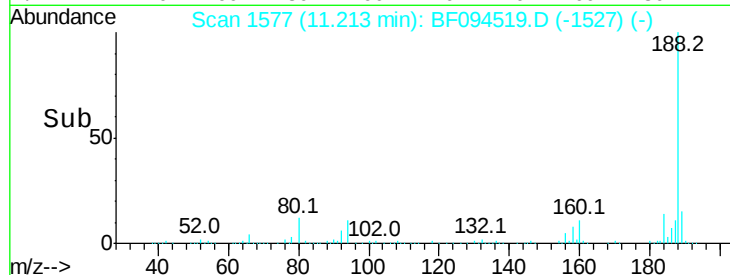
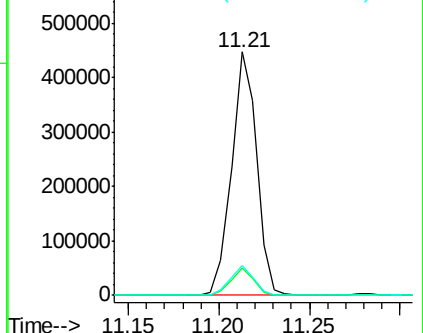
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.21 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 431311  
 Ion Ratio Lower Upper  
 188 100  
 94 11.3 9.4 14.2  
 80 12.1 10.2 15.2

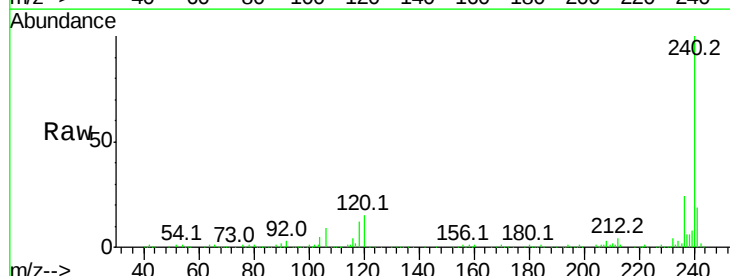


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

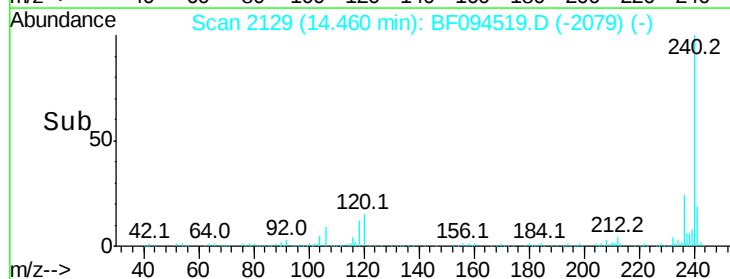
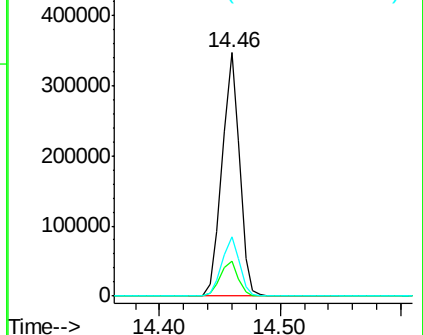


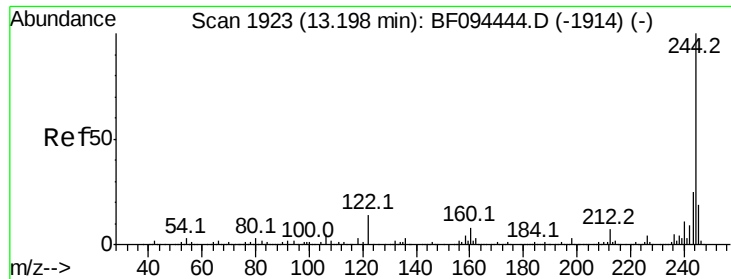
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.46 min Scan# 2129  
 Delta R.T. -0.01 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Tgt Ion:240 Resp: 346882  
 Ion Ratio Lower Upper  
 240 100  
 120 14.5 5.8 8.8#  
 236 24.3 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

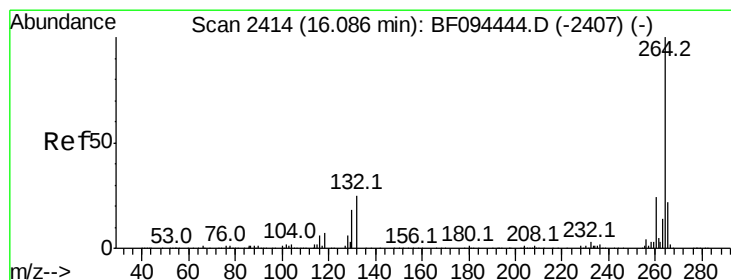
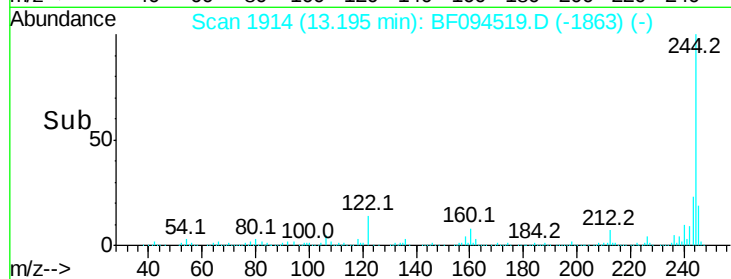
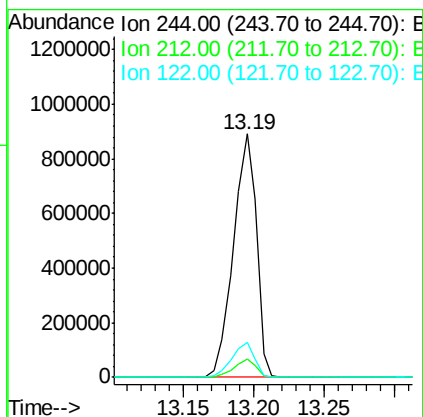
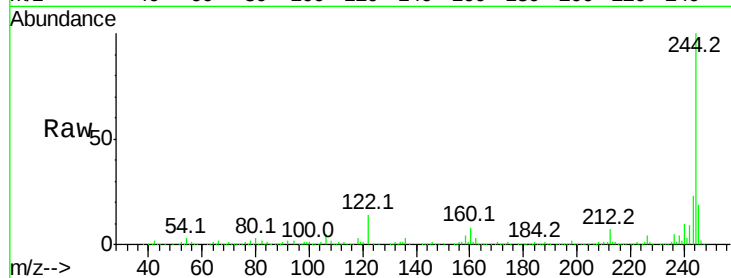




#78  
 Terphenyl-d14  
 Concen: 77.78 ng  
 RT: 13.19 min Scan# 1914  
 Delta R.T. -0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1009336  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.0 9.0  
 122 14.3 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.08 min Scan# 2405  
 Delta R.T. -0.00 min  
 Lab File: BF094519.D  
 Acq: 19 Apr 2017 16:50

Tgt Ion:264 Resp: 252106  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.5 29.3  
 265 22.3 17.2 25.8

