

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
 Data File : BF094319.D  
 Acq On : 10 Apr 2017 18:55  
 Operator : SJ/MA  
 Sample : I2601-09  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 11 00:49:20 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

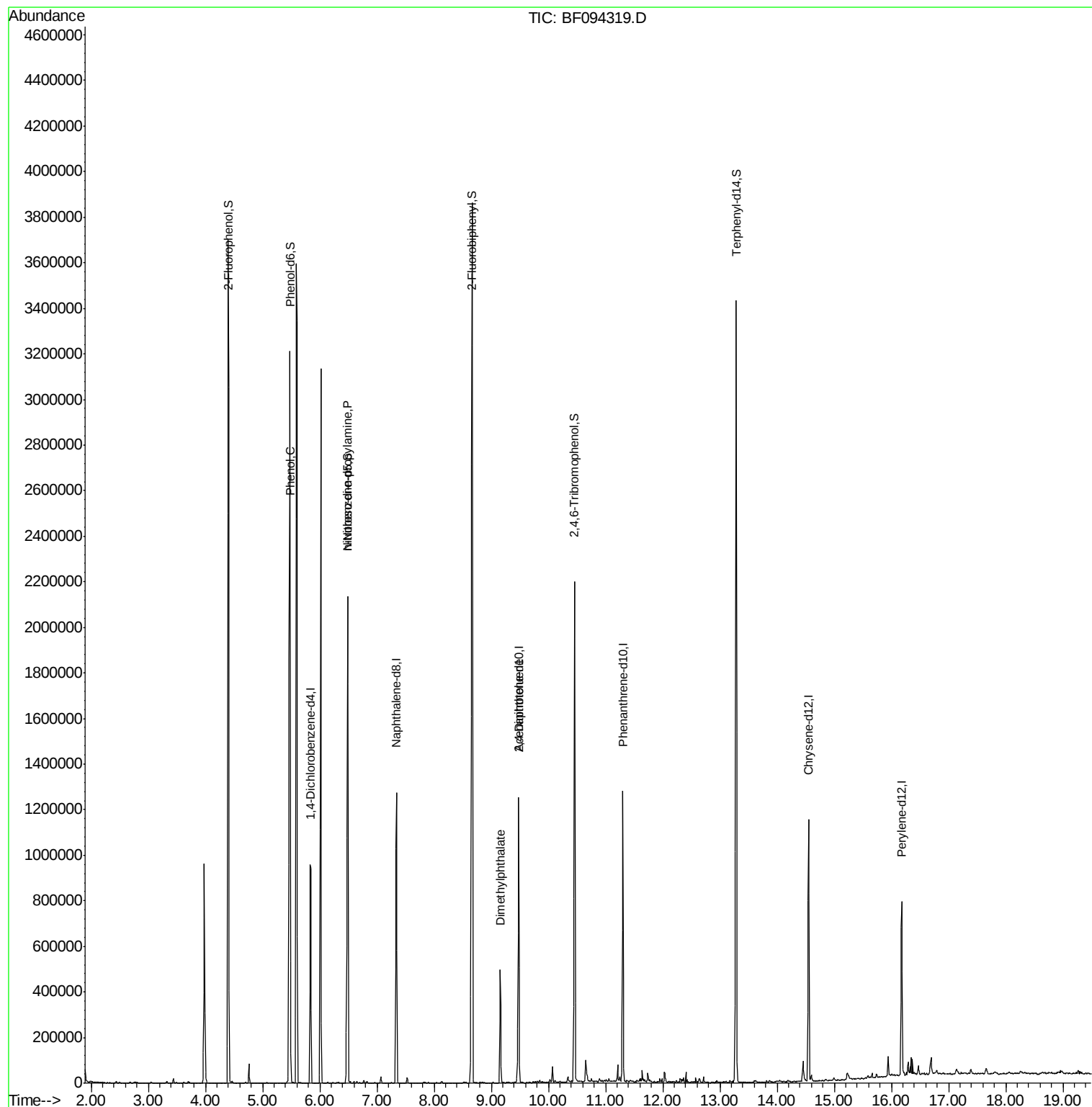
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.84  | 152  | 168620   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 7.34  | 136  | 672822   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.47  | 164  | 308977   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 541898   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 14.55 | 240  | 433162   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 16.18 | 264  | 293469   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.40  | 112  | 1157400  | 115.93 | ng    | 0.01      |
| 7) Phenol-d6                   | 5.47  | 99   | 1486319  | 120.35 | ng    | 0.01      |
| 23) Nitrobenzene-d5            | 6.49  | 82   | 934413   | 79.26  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.46 | 330  | 315354   | 129.16 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 8.66  | 172  | 1634016  | 80.66  | ng    | -0.02     |
| 78) Terphenyl-d14              | 13.29 | 244  | 1312968  | 67.94  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 5.49  | 94   | 97950    | 6.97   | ng    | Qvalue 87 |
| 19) n-Nitroso-di-n-propylamine | 6.49  | 70   | 121752   | 15.34  | ng    | # 76      |
| 49) Dimethylphthalate          | 9.16  | 163  | 216087   | 9.84   | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.47  | 165  | 40321    | 6.38   | ng    | # 33      |

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

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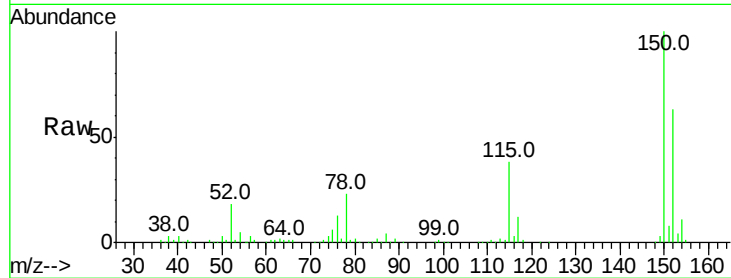


#1

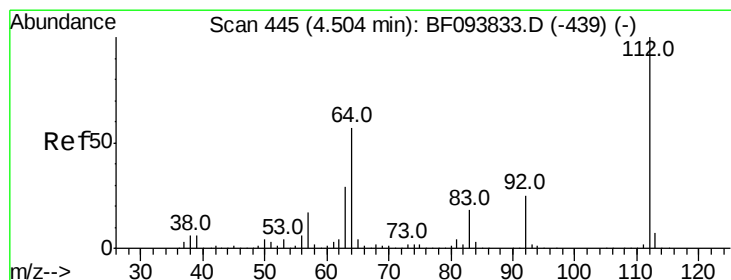
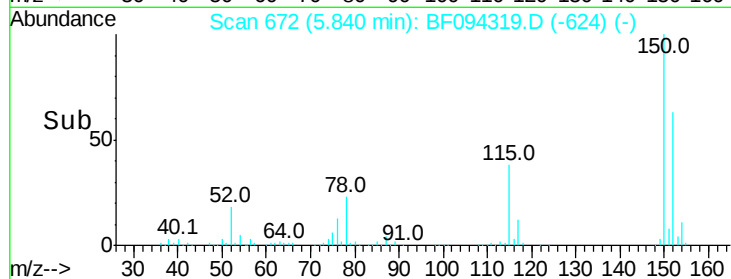
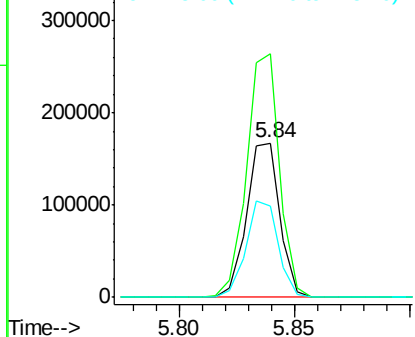
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.84 min Scan# 672  
Delta R.T. -0.02 min  
Lab File: BF094319.D  
Acq: 10 Apr 2017 18:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 168620  
Ion Ratio Lower Upper  
152 100  
150 157.6 126.2 189.2  
115 59.2 52.2 78.2



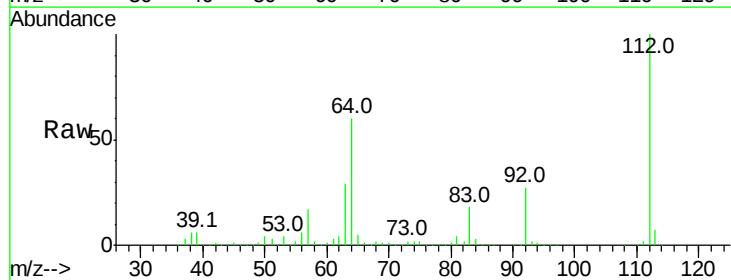
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



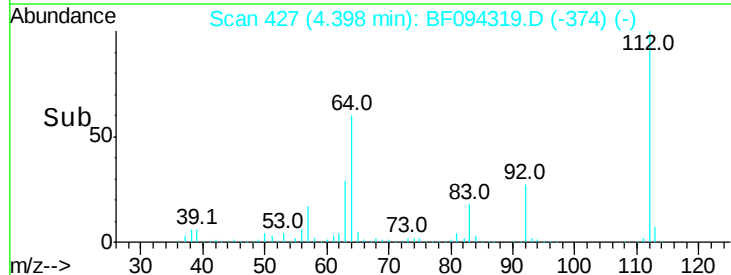
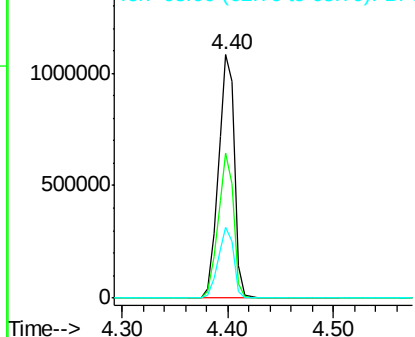
#5

2-Fluorophenol  
Concen: 115.93 ng  
RT: 4.40 min Scan# 427  
Delta R.T. 0.01 min  
Lab File: BF094319.D  
Acq: 10 Apr 2017 18:55

Tgt Ion:112 Resp: 1157400  
Ion Ratio Lower Upper  
112 100  
64 59.6 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: 120.35 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094319.D

Acq: 10 Apr 2017 18:55

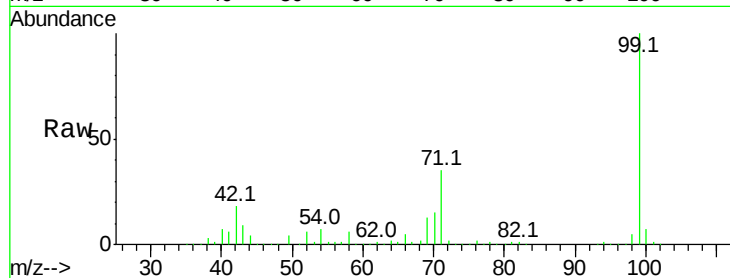
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1486319

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 13.5  | 20.3  |
| 71  | 34.6  | 24.5  | 36.7  |

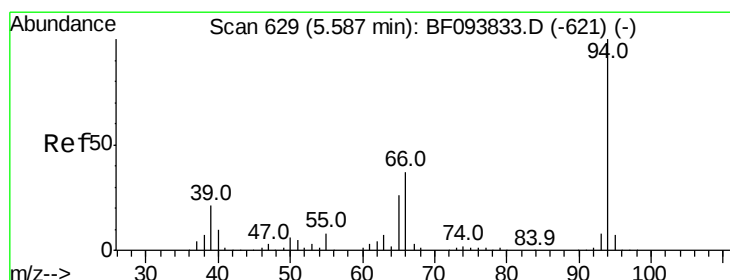
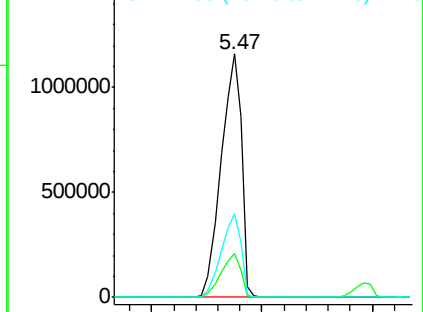
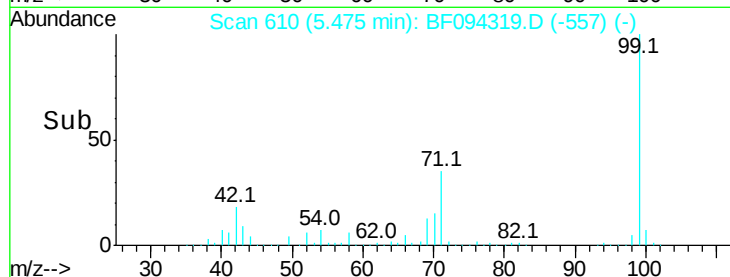


Abundance

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: 6.97 ng

RT: 5.49 min Scan# 612

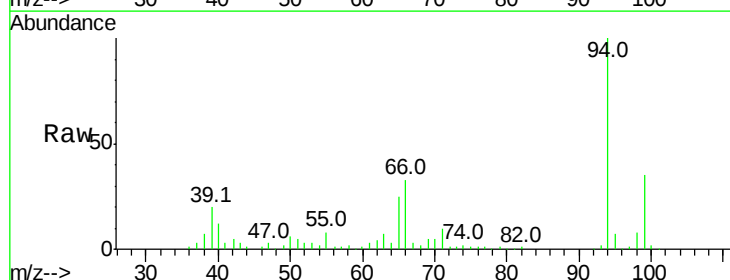
Delta R.T. 0.01 min

Lab File: BF094319.D

Acq: 10 Apr 2017 18:55

Tgt Ion: 94 Resp: 97950

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.0  | 9.9   | 49.9  |
| 66  | 33.5  | 23.1  | 63.1  |

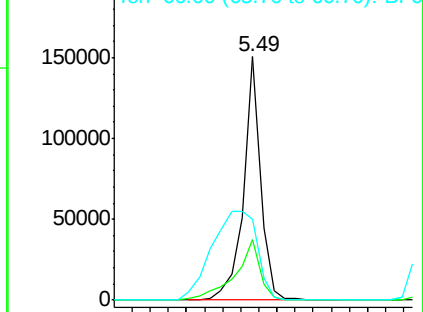
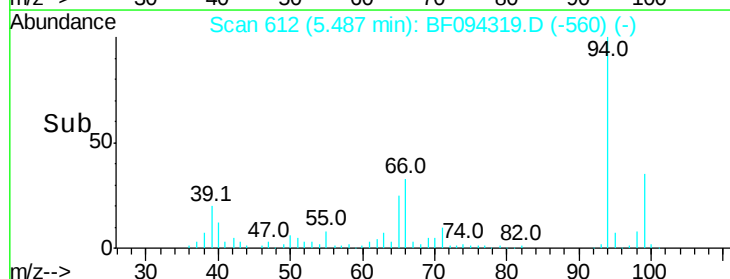


Abundance

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: 15.34 ng

RT: 6.49 min Scan# 782

Delta R.T. 0.14 min

Lab File: BF094319.D

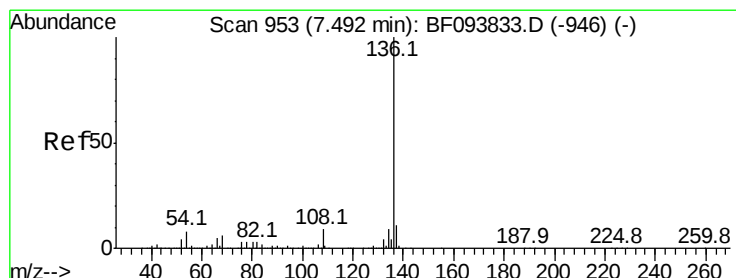
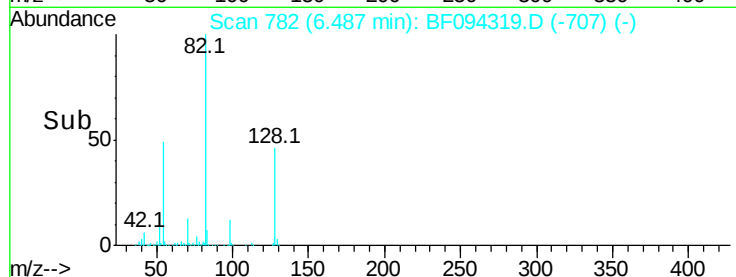
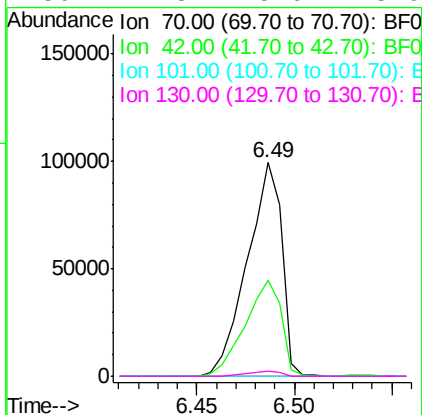
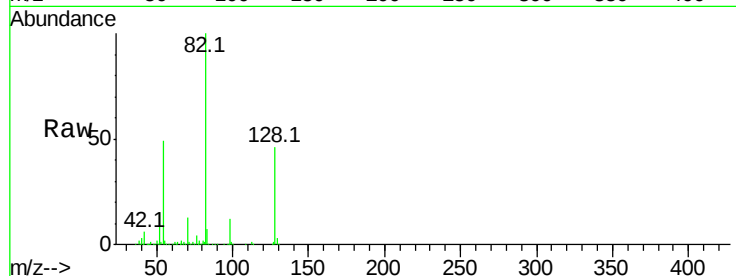
Acq: 10 Apr 2017 18:55

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 121752 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 44.9  | 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

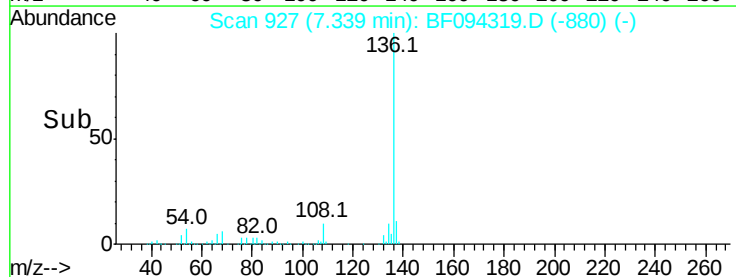
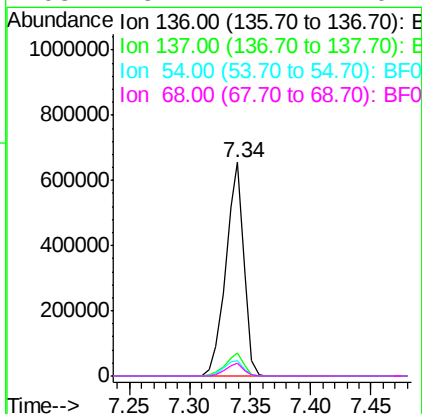
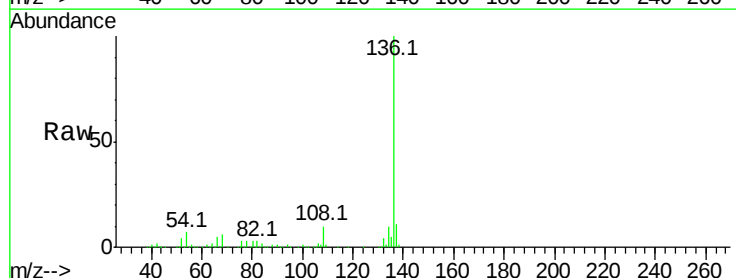
RT: 7.34 min Scan# 927

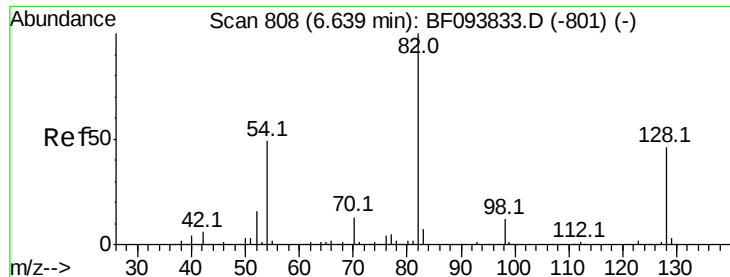
Delta R.T. -0.02 min

Lab File: BF094319.D

Acq: 10 Apr 2017 18:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 672822 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.5   | 12.7   |
| 54       | 7.1   | 4.9   | 7.3    |
| 68       | 5.7   | 4.1   | 6.1    |

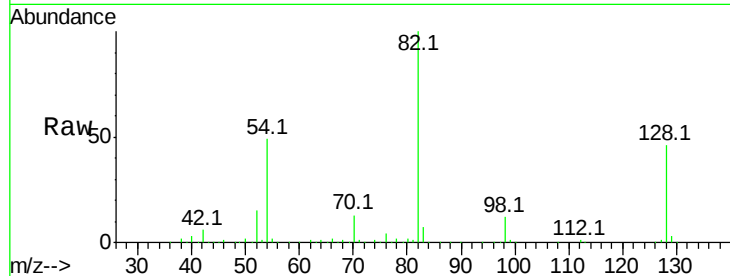




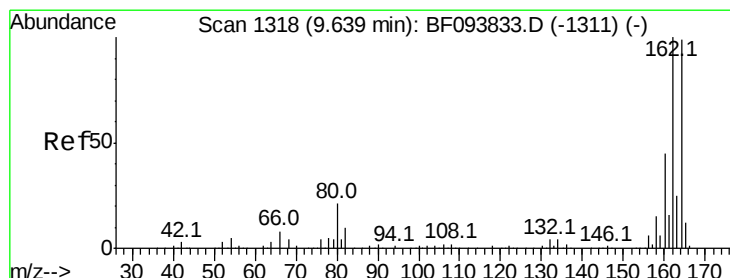
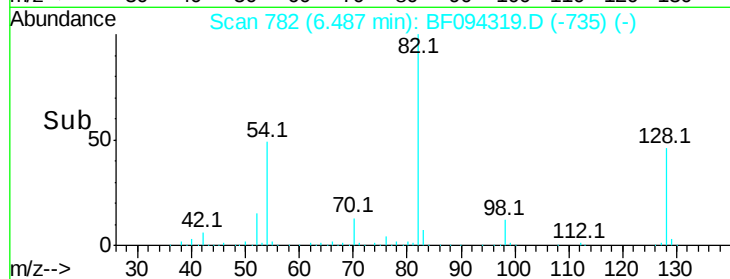
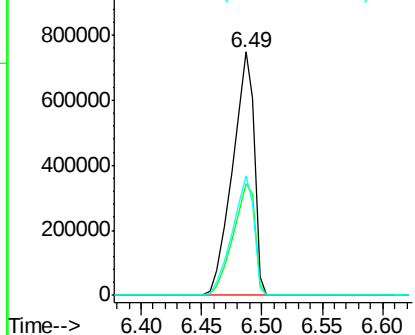
#23  
 Nitrobenzene-d5  
 Concen: 79.26 ng  
 RT: 6.49 min Scan# 782  
 Delta R.T. -0.02 min  
 Lab File: BF094319.D  
 Acq: 10 Apr 2017 18:55

Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion: 82 Resp: 934413  
 Ion Ratio Lower Upper  
 82 100  
 128 46.2 34.0 51.0  
 54 49.1 42.2 63.2

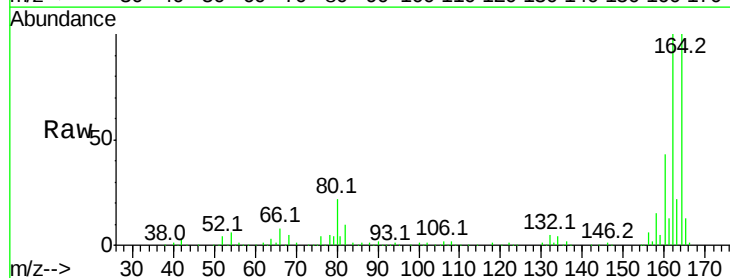


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

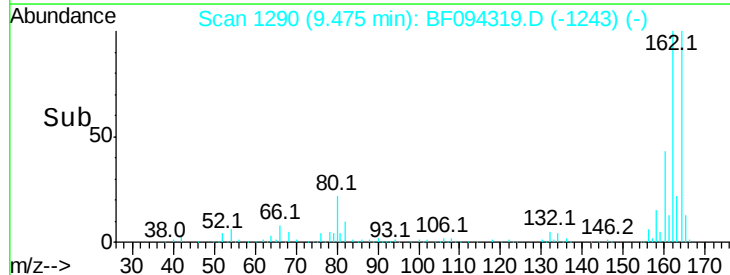
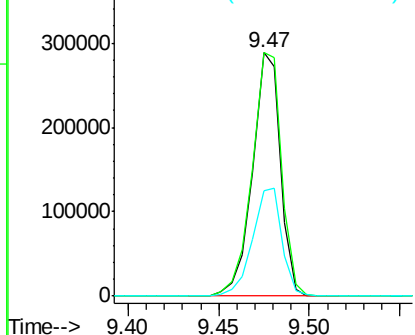


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.47 min Scan# 1290  
 Delta R.T. -0.02 min  
 Lab File: BF094319.D  
 Acq: 10 Apr 2017 18:55

Tgt Ion:164 Resp: 308977  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 82.6 123.8  
 160 43.2 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

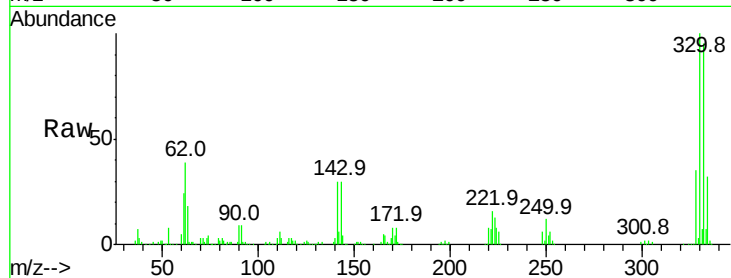




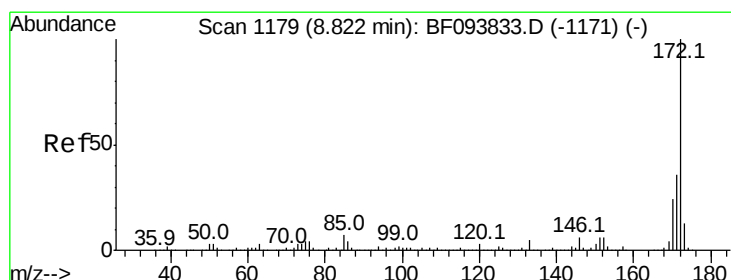
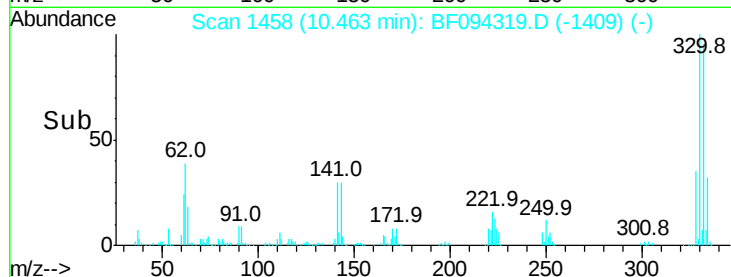
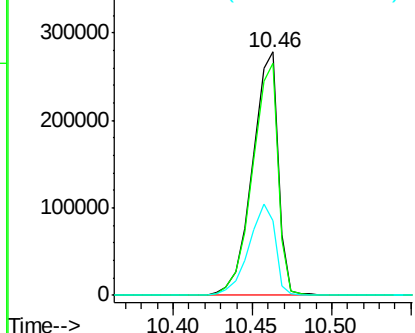
#41  
 2,4,6-Tribromophenol  
 Concen: 129.16 ng  
 RT: 10.46 min Scan# 1458  
 Delta R.T. -0.01 min  
 Lab File: BF094319.D  
 Acq: 10 Apr 2017 18:55

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 315354  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 76.6 115.0  
 141 38.5 31.4 47.2

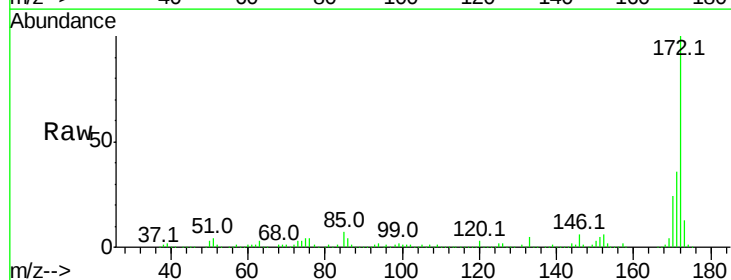


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

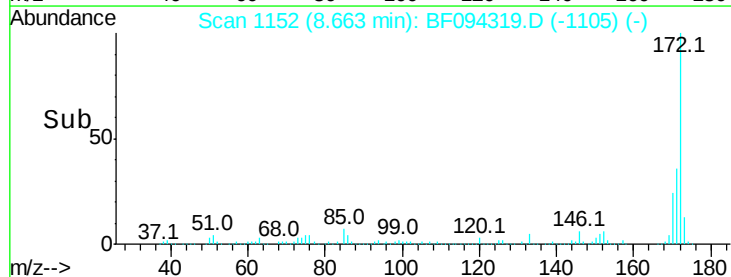
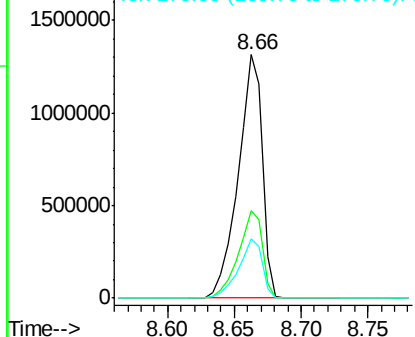


#44  
 2-Fluorobiphenyl  
 Concen: 80.66 ng  
 RT: 8.66 min Scan# 1152  
 Delta R.T. -0.02 min  
 Lab File: BF094319.D  
 Acq: 10 Apr 2017 18:55

Tgt Ion:172 Resp: 1634016  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.6 44.4  
 170 24.1 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

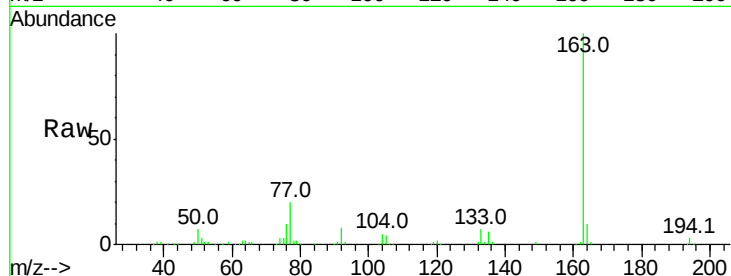




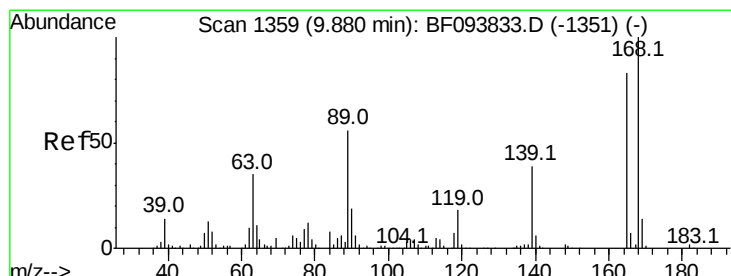
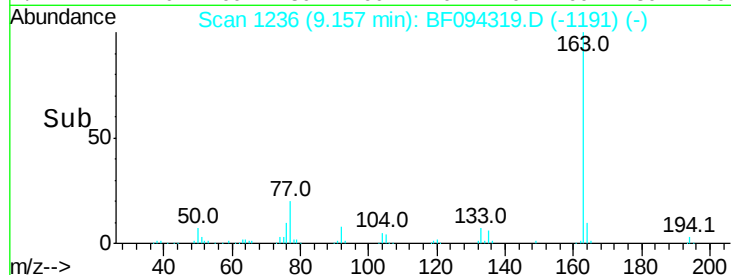
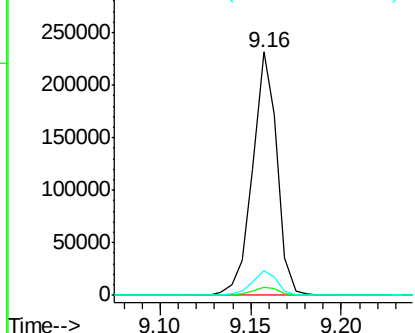
#49  
Dimethylphthalate  
Concen: 9.84 ng  
RT: 9.16 min Scan# 1236  
Delta R.T. -0.04 min  
Lab File: BF094319.D  
Acq: 10 Apr 2017 18:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 216087  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 10.0 8.4 12.6

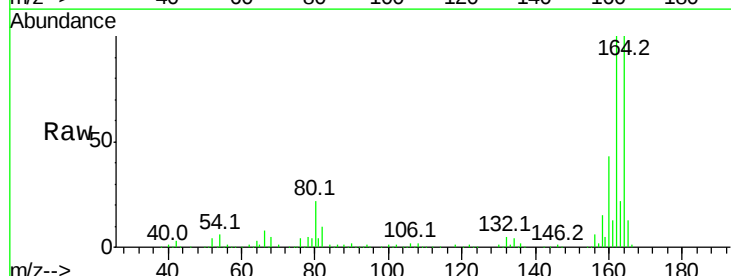


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

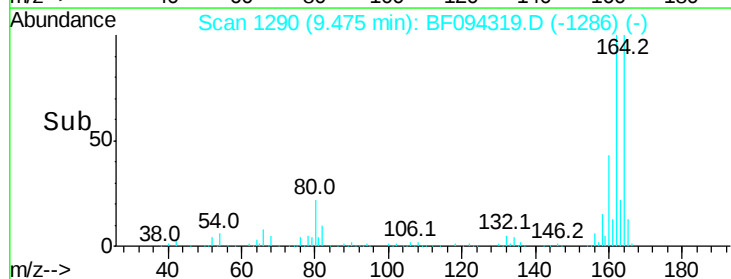
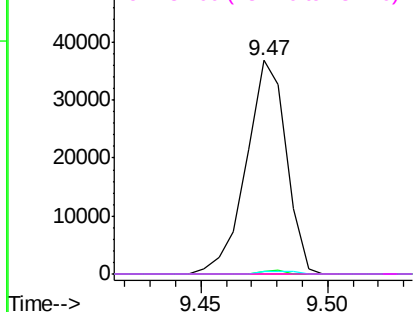


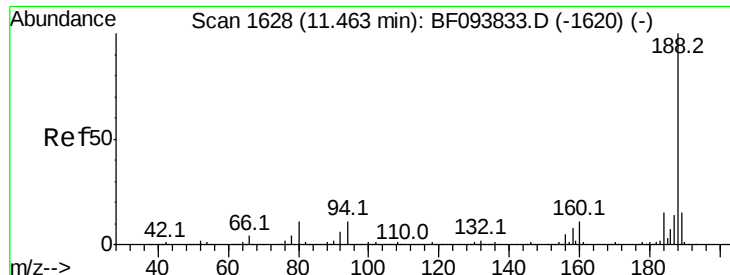
#56  
2,4-Dinitrotoluene  
Concen: 6.38 ng  
RT: 9.47 min Scan# 1290  
Delta R.T. -0.28 min  
Lab File: BF094319.D  
Acq: 10 Apr 2017 18:55

Tgt Ion:165 Resp: 40321  
Ion Ratio Lower Upper  
165 100  
63 1.2 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

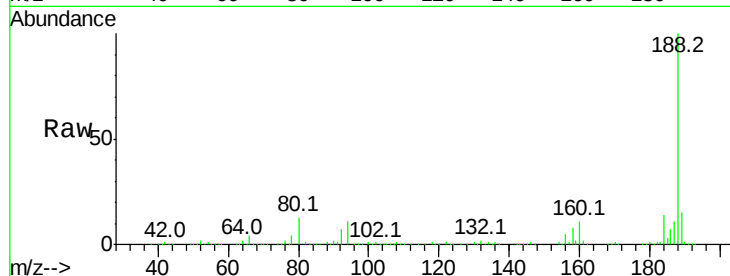




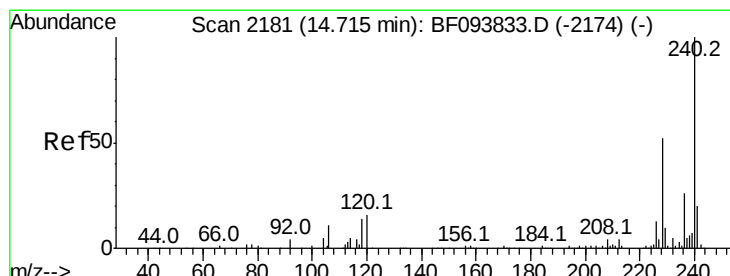
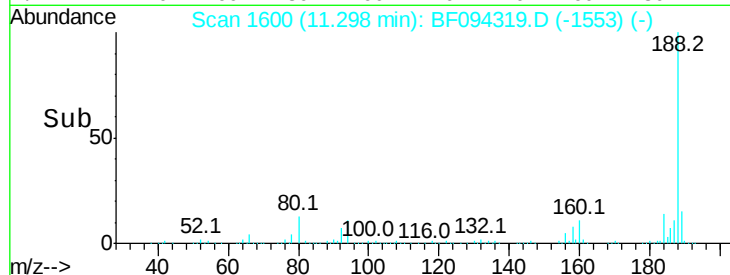
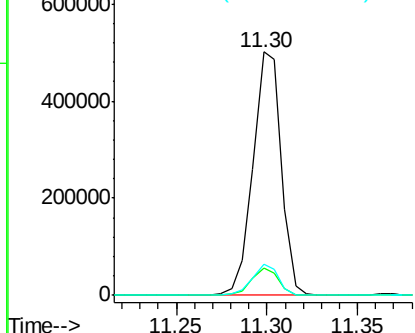
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1600  
Delta R.T. -0.02 min  
Lab File: BF094319.D  
Acq: 10 Apr 2017 18:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 541898  
Ion Ratio Lower Upper  
188 100  
94 11.4 9.4 14.2  
80 12.8 10.2 15.2

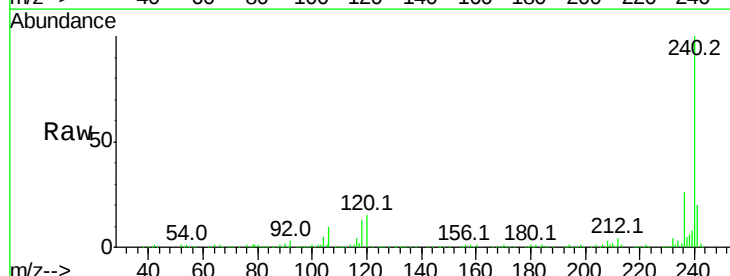


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

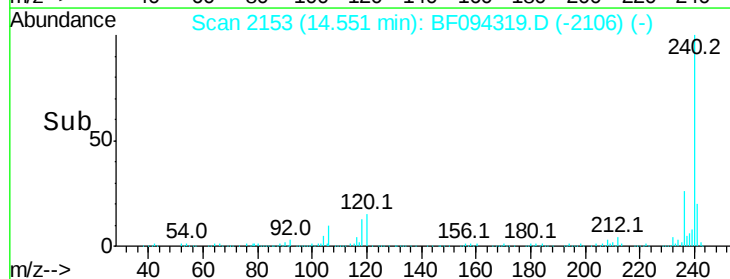
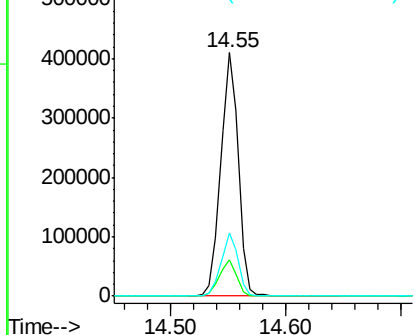


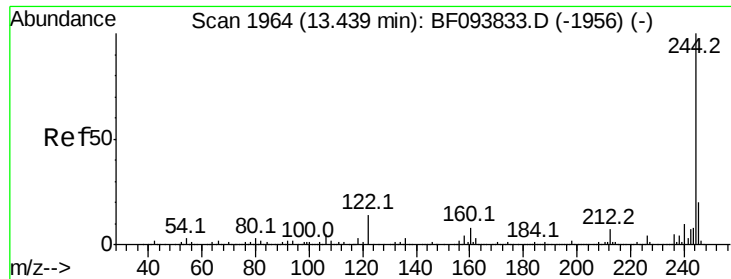
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.55 min Scan# 2153  
Delta R.T. -0.02 min  
Lab File: BF094319.D  
Acq: 10 Apr 2017 18:55

Tgt Ion:240 Resp: 433162  
Ion Ratio Lower Upper  
240 100  
120 15.1 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: 67.94 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094319.D

Acq: 10 Apr 2017 18:55

Instrument :

BNA\_F

ClientSampled :

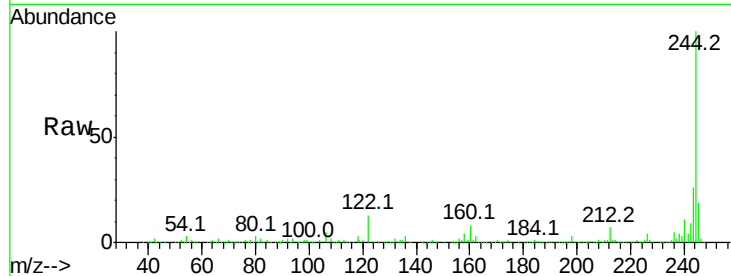
Tot Ion:244 Resp: 1312968

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

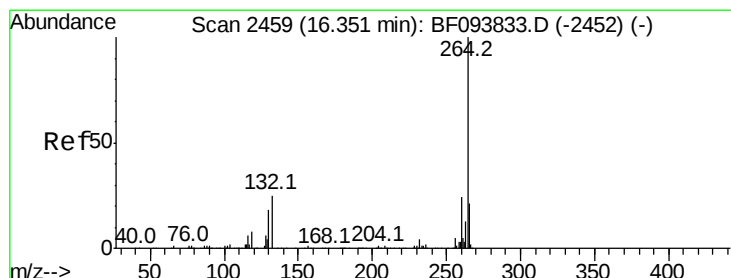
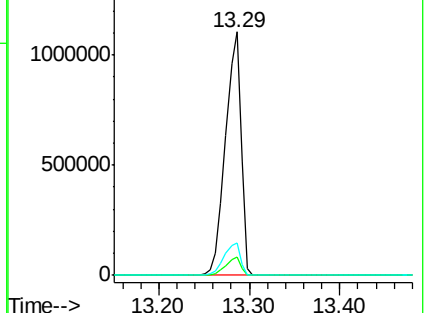
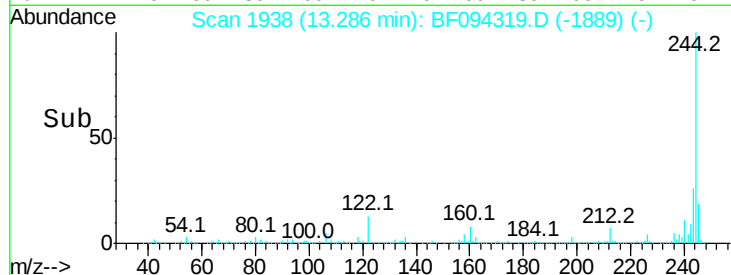
122 13.3 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094319.D

Acq: 10 Apr 2017 18:55

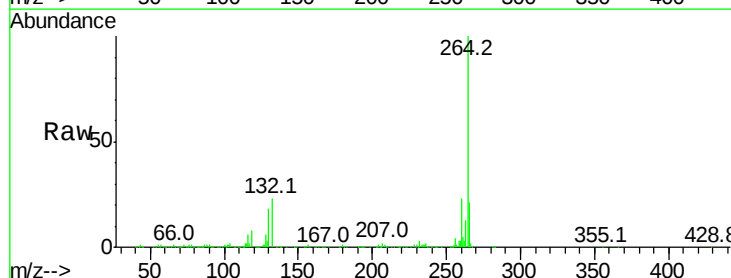
Tgt Ion:264 Resp: 293469

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 21.1 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

