

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
 Data File : BF094317.D  
 Acq On : 10 Apr 2017 18:00  
 Operator : SJ/MA  
 Sample : I2601-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-31-S2(14-16)

Quant Time: Apr 11 01:51:03 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

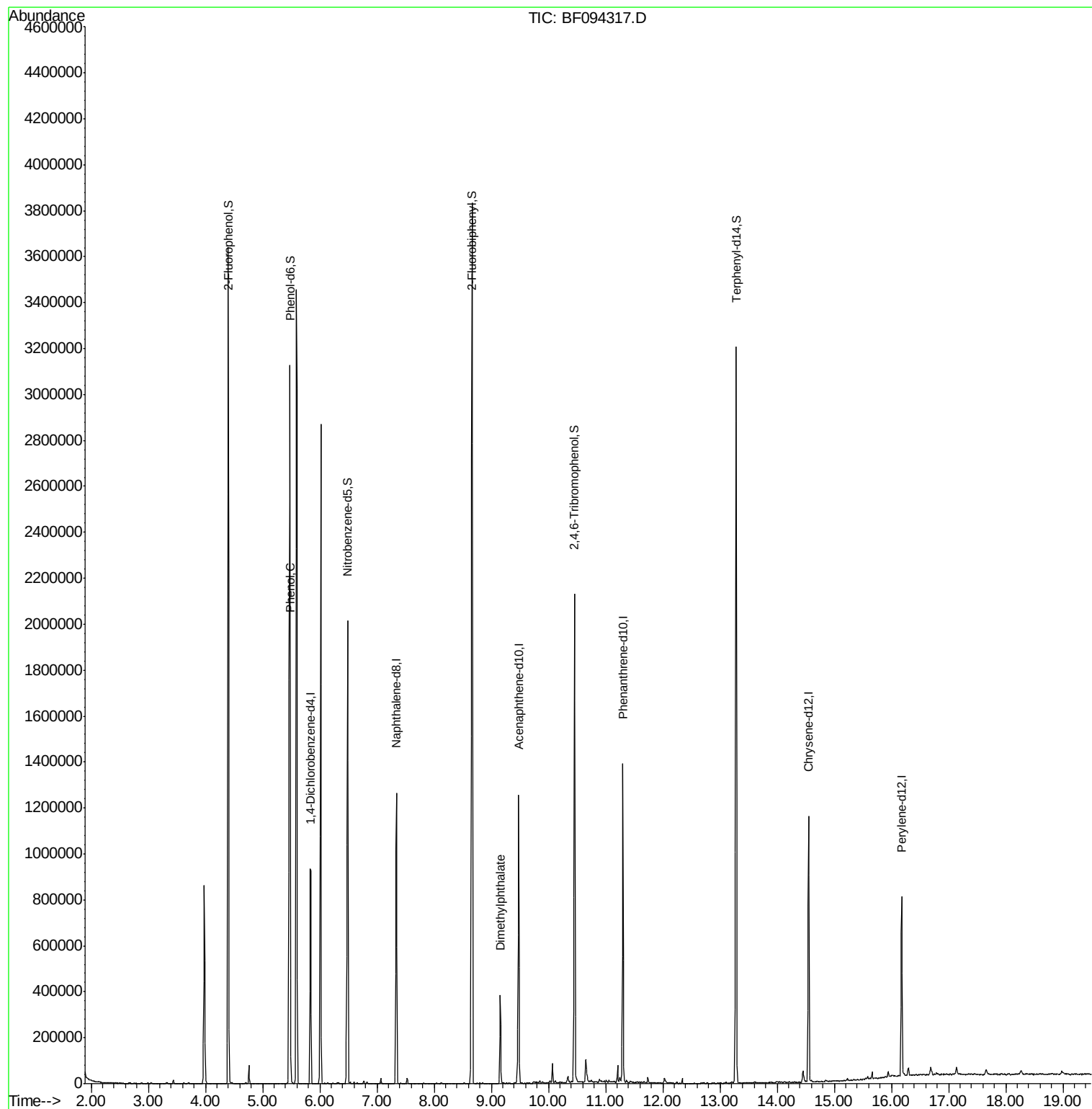
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.84  | 152  | 164946   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.34  | 136  | 659468   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.47  | 164  | 307890   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 549779   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.55 | 240  | 444576   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 16.18 | 264  | 292784   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.40  | 112  | 1059211  | 108.46 | ng    | 0.01     |
| 7) Phenol-d6                | 5.47  | 99   | 1360534  | 112.62 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 6.49  | 82   | 851240   | 73.66  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 290697   | 119.48 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.66  | 172  | 1509119  | 74.76  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.29 | 244  | 1231394  | 62.09  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 5.49  | 94   | 98498    | 7.16   | ng    | 86       |
| 49) Dimethylphthalate       | 9.16  | 163  | 164577   | 7.52   | ng    | 98       |

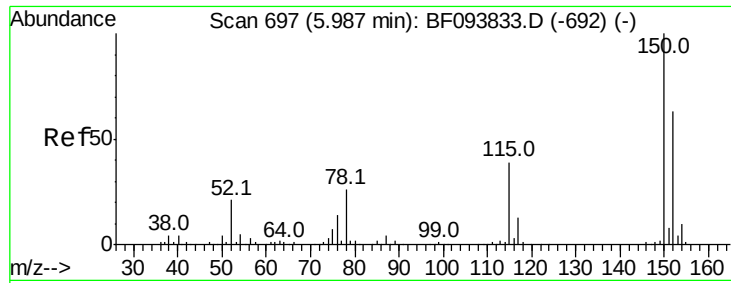
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
Data File : BF094317.D  
Acq On : 10 Apr 2017 18:00  
Operator : SJ/MA  
Sample : I2601-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-31-S2(14-16)

Quant Time: Apr 11 01:51:03 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.84 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF094317.D

Acq: 10 Apr 2017 18:00

Instrument :

BNA\_F

ClientSampleId :

B-31-S2(14-16)

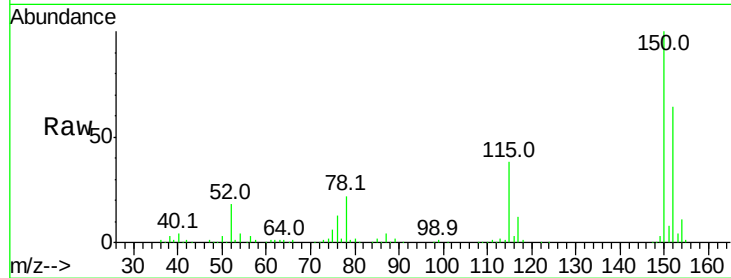
Tot Ion:152 Resp: 164946

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

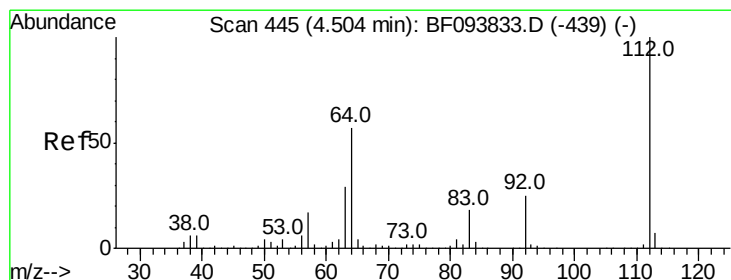
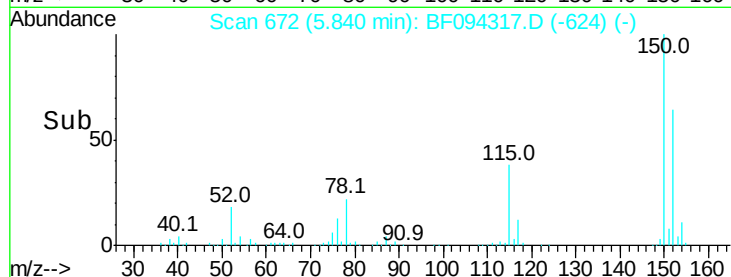
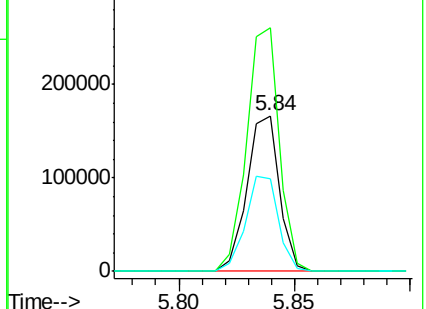
115 59.5 52.2 78.2



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: 108.46 ng

RT: 4.40 min Scan# 427

Delta R.T. 0.01 min

Lab File: BF094317.D

Acq: 10 Apr 2017 18:00

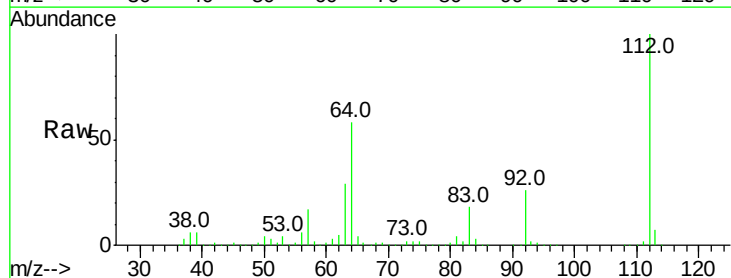
Tgt Ion:112 Resp: 1059211

Ion Ratio Lower Upper

112 100

64 57.9 46.0 69.0

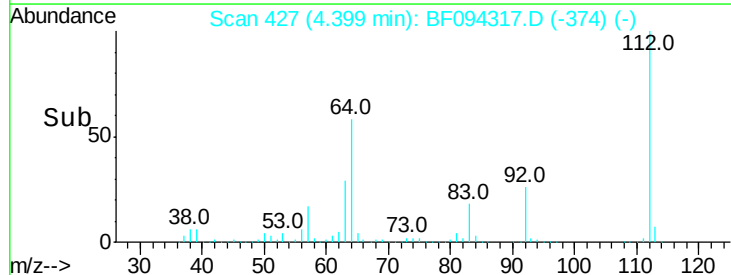
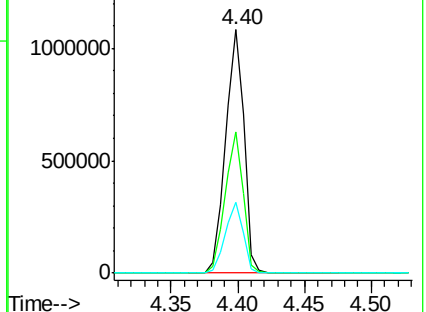
63 29.3 23.4 35.0

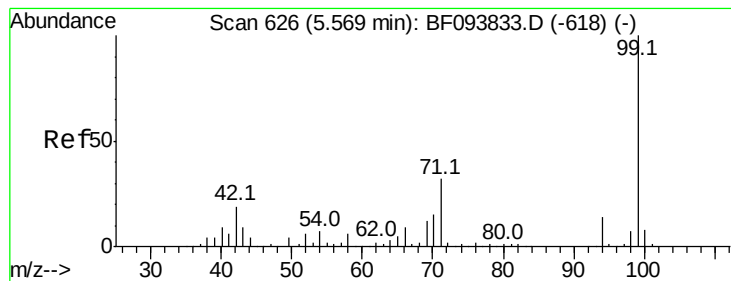


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.62 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094317.D

Acq: 10 Apr 2017 18:00

Instrument :

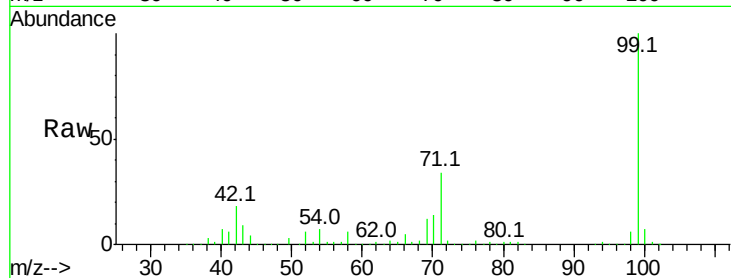
BNA\_F

ClientSampleId :

B-31-S2(14-16)

Tot Ion: 99 Resp: 1360534

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.8  | 13.5  | 20.3  |
| 71  | 33.5  | 24.5  | 36.7  |

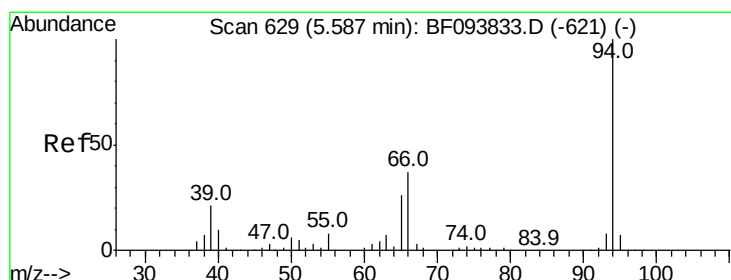
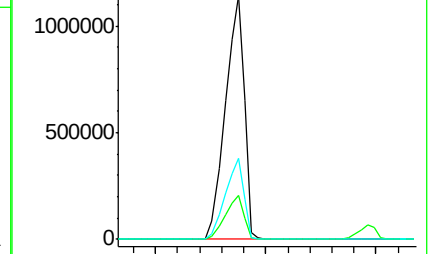
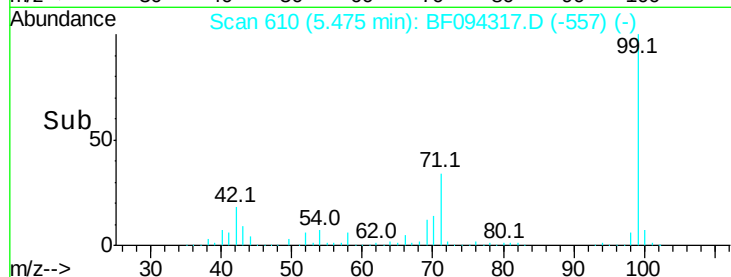


Abundance

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: 7.16 ng

RT: 5.49 min Scan# 612

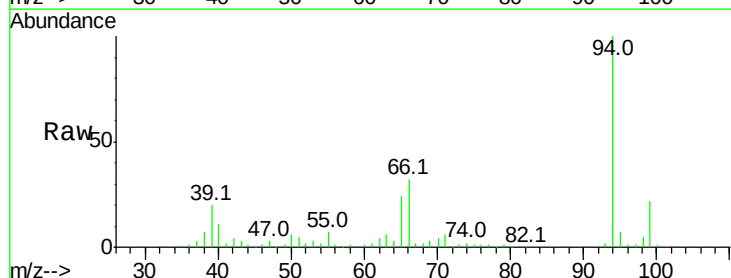
Delta R.T. 0.01 min

Lab File: BF094317.D

Acq: 10 Apr 2017 18:00

Tgt Ion: 94 Resp: 98498

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 24.2  | 9.9   | 49.9  |
| 66  | 32.5  | 23.1  | 63.1  |

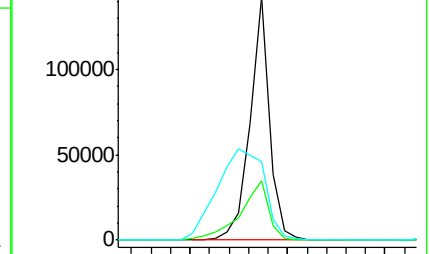
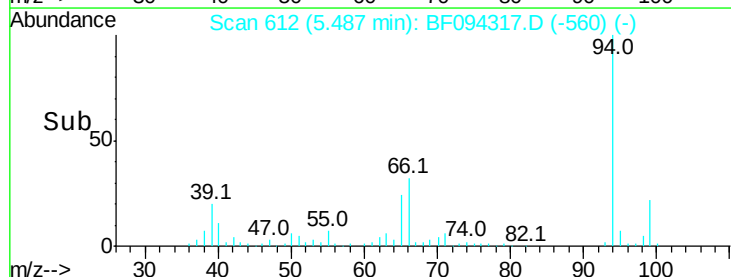


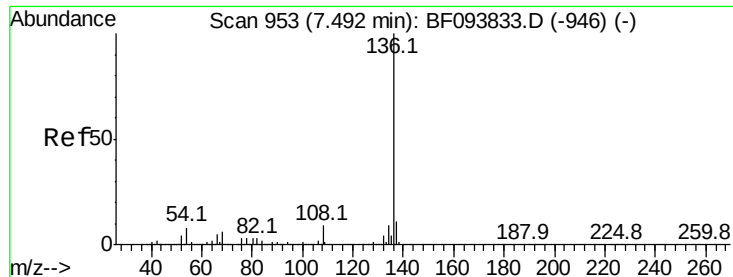
Abundance

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

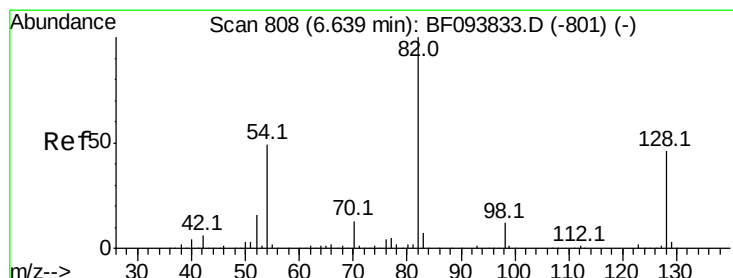
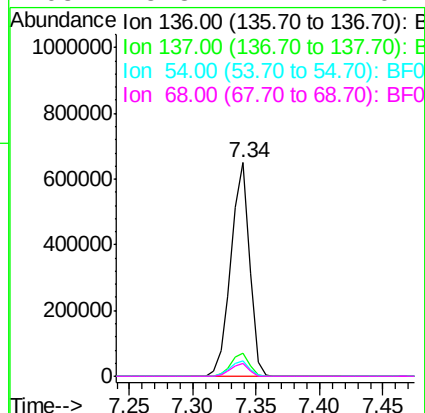
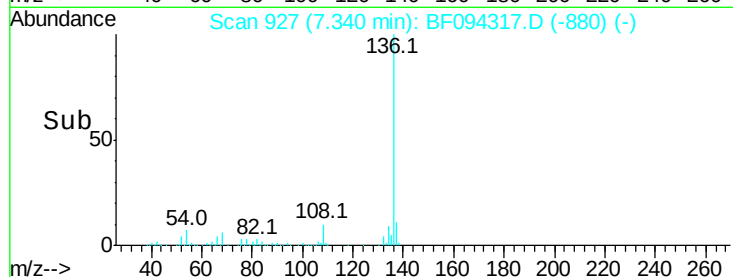
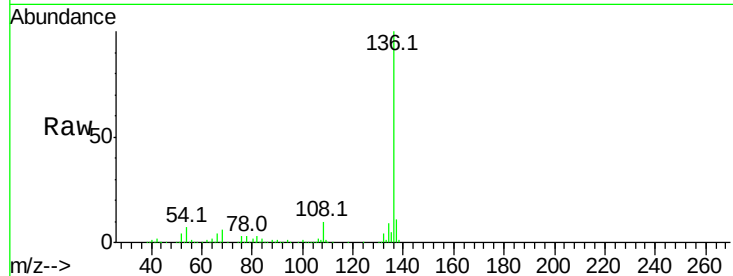




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.34 min Scan# 927  
Delta R.T. -0.02 min  
Lab File: BF094317.D  
Acq: 10 Apr 2017 18:00

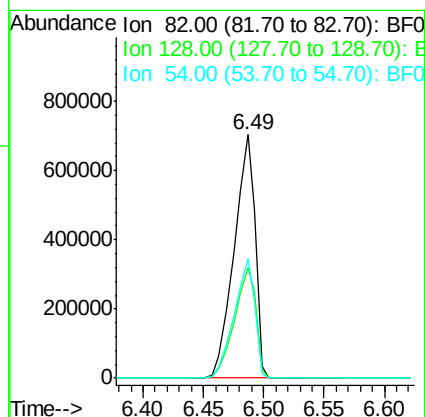
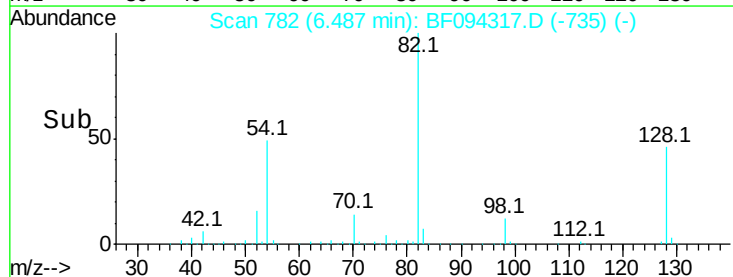
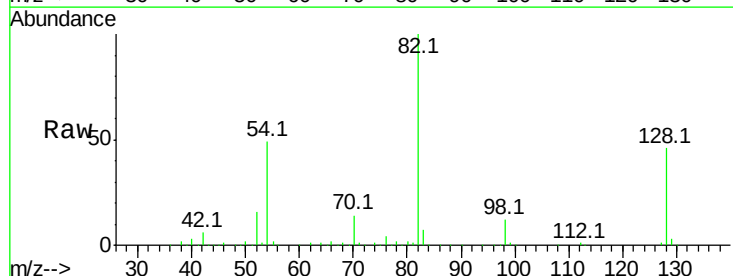
Instrument :  
BNA\_F  
ClientSampleId :  
B-31-S2(14-16)

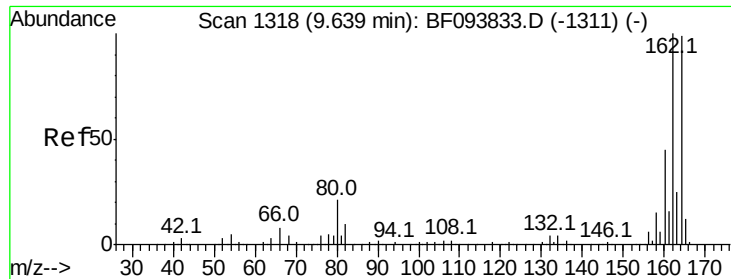
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 659468   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.5 12.7 |
| 54          | 7.4   | 4.9 7.3# |
| 68          | 5.8   | 4.1 6.1  |



#23  
Nitrobenzene-d5  
Concen: 73.66 ng  
RT: 6.49 min Scan# 782  
Delta R.T. -0.02 min  
Lab File: BF094317.D  
Acq: 10 Apr 2017 18:00

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 851240    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 45.5  | 34.0 51.0 |
| 54          | 48.9  | 42.2 63.2 |

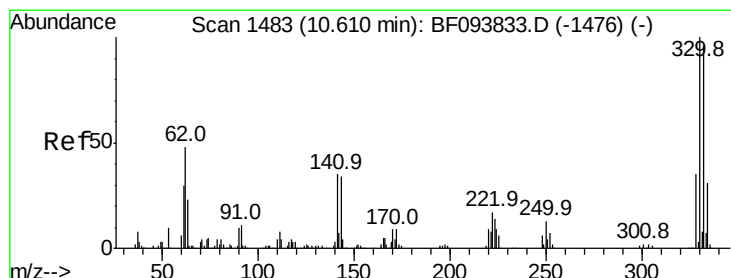
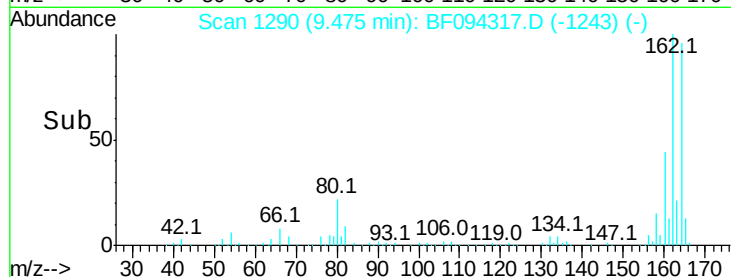
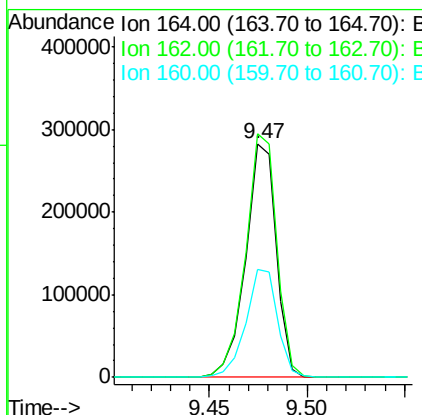
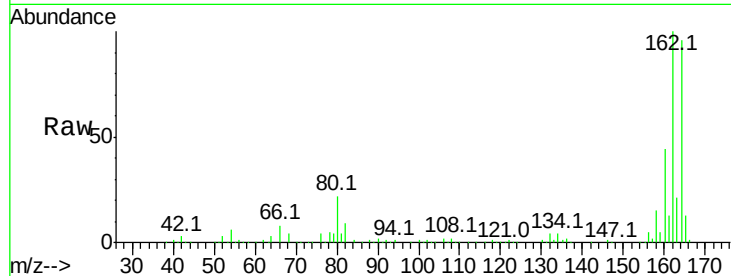




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.47 min Scan# 1290  
 Delta R.T. -0.02 min  
 Lab File: BF094317.D  
 Acq: 10 Apr 2017 18:00

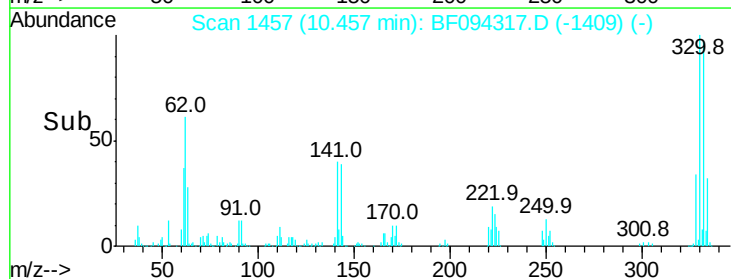
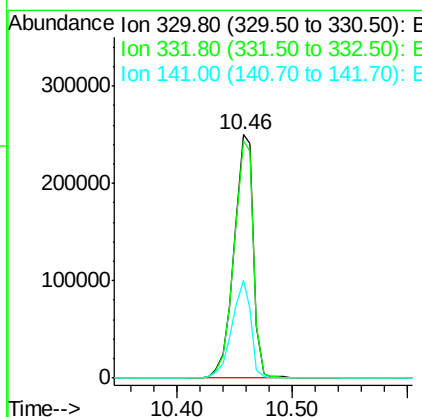
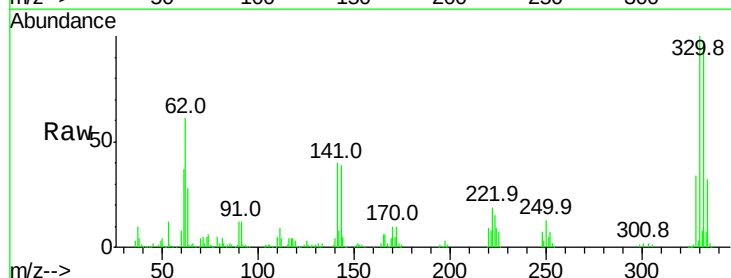
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-31-S2(14-16)

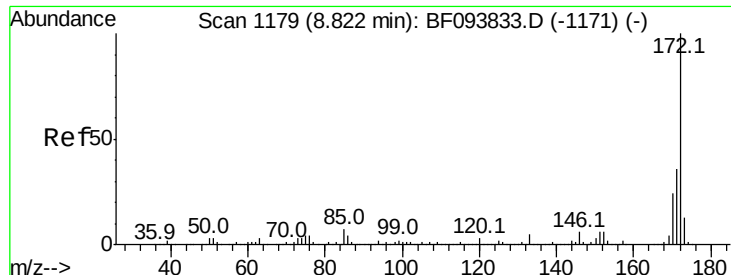
Tot Ion:164 Resp: 307890  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 82.6 123.8  
 160 46.1 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 119.48 ng  
 RT: 10.46 min Scan# 1457  
 Delta R.T. -0.02 min  
 Lab File: BF094317.D  
 Acq: 10 Apr 2017 18:00

Tgt Ion:330 Resp: 290697  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.6 115.0  
 141 39.1 31.4 47.2

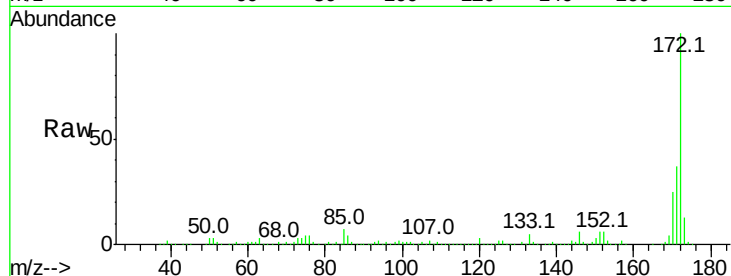




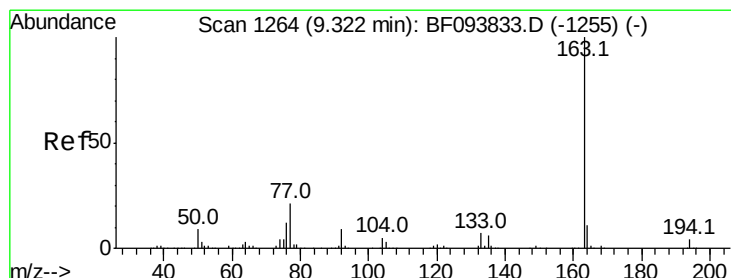
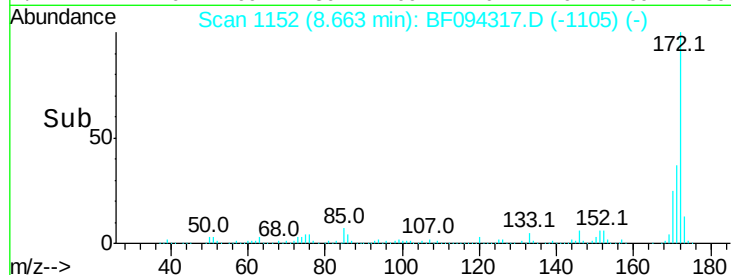
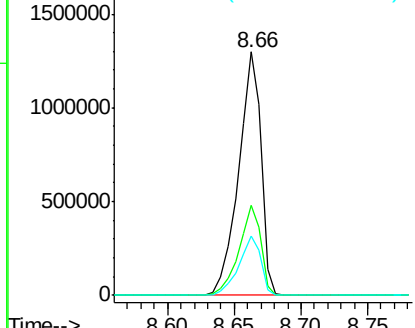
#44  
2-Fluorobiphenyl  
Concen: 74.76 ng  
RT: 8.66 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF094317.D  
Acq: 10 Apr 2017 18:00

Instrument :  
BNA\_F  
ClientSampleId :  
B-31-S2(14-16)

Tot Ion:172 Resp: 1509119  
Ion Ratio Lower Upper  
172 100  
171 37.1 29.6 44.4  
170 24.5 19.8 29.8

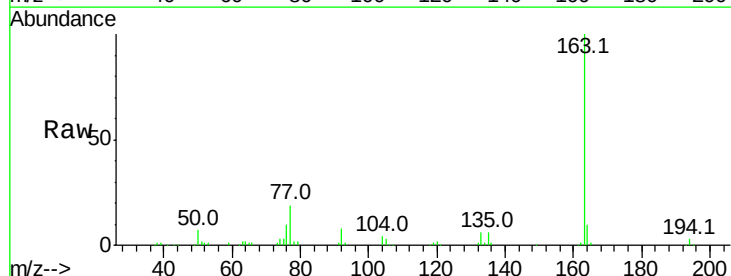


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

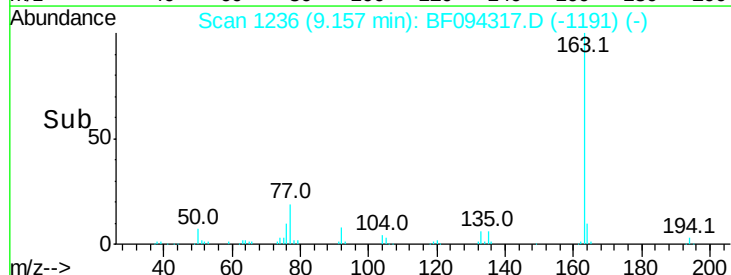
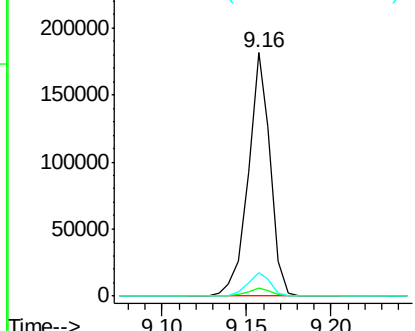


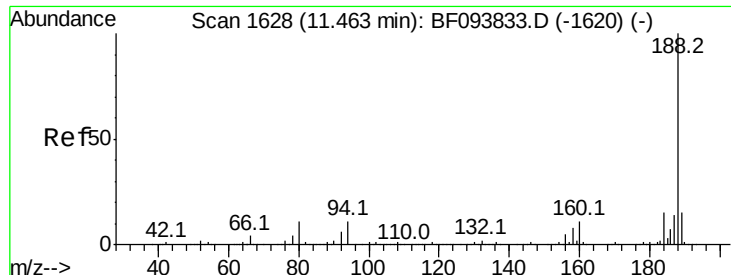
#49  
Dimethylphthalate  
Concen: 7.52 ng  
RT: 9.16 min Scan# 1236  
Delta R.T. -0.04 min  
Lab File: BF094317.D  
Acq: 10 Apr 2017 18:00

Tgt Ion:163 Resp: 164577  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.6 4.0  
164 9.7 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

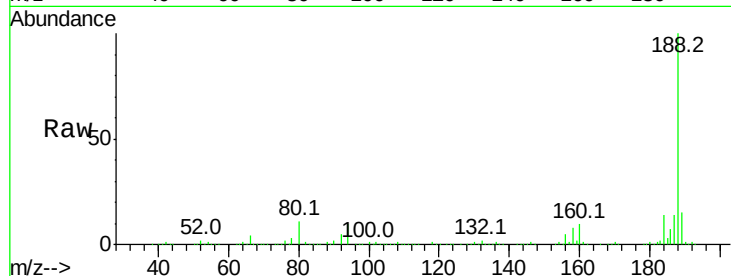




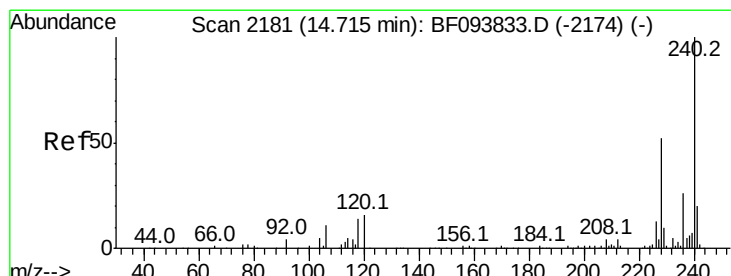
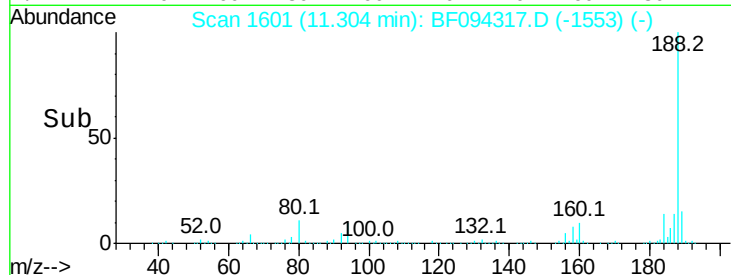
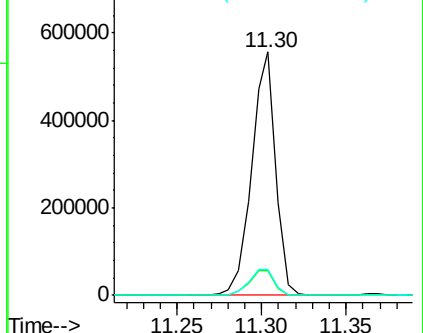
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1601  
Delta R.T. -0.02 min  
Lab File: BF094317.D  
Acq: 10 Apr 2017 18:00

Instrument :  
BNA\_F  
ClientSampleId :  
B-31-S2(14-16)

Tot Ion:188 Resp: 549779  
Ion Ratio Lower Upper  
188 100  
94 10.0 9.4 14.2  
80 10.9 10.2 15.2

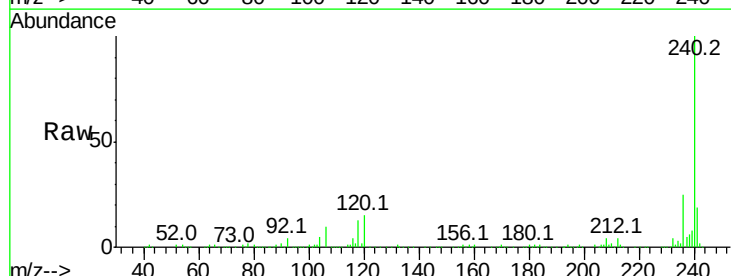


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

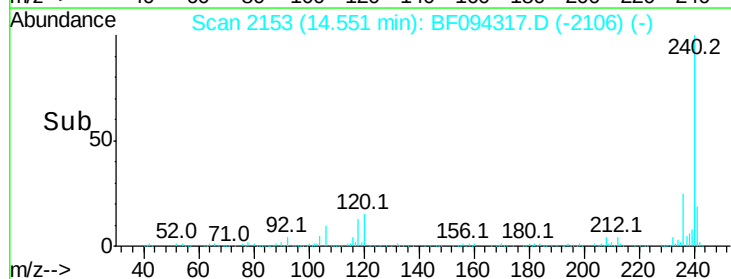
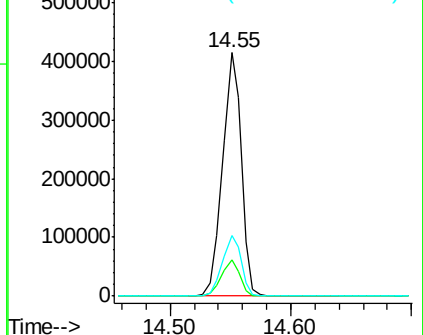


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.55 min Scan# 2153  
Delta R.T. -0.02 min  
Lab File: BF094317.D  
Acq: 10 Apr 2017 18:00

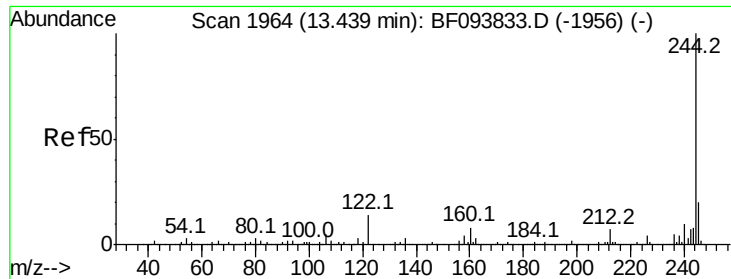
Tgt Ion:240 Resp: 444576  
Ion Ratio Lower Upper  
240 100  
120 14.8 5.8 8.8#  
236 25.0 20.5 30.7



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: 62.09 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094317.D

Acq: 10 Apr 2017 18:00

Instrument :

BNA\_F

ClientSampleId :

B-31-S2(14-16)

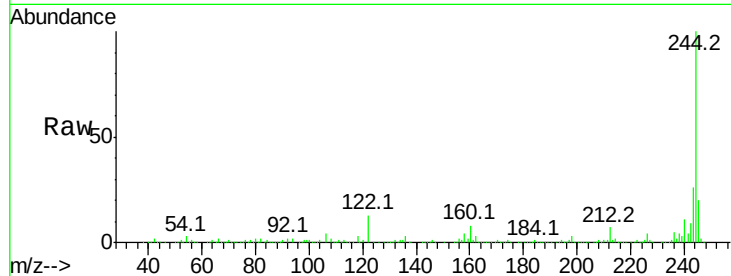
Tot Ion:244 Resp: 1231394

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

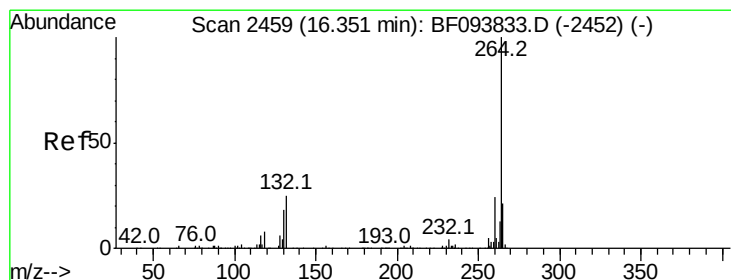
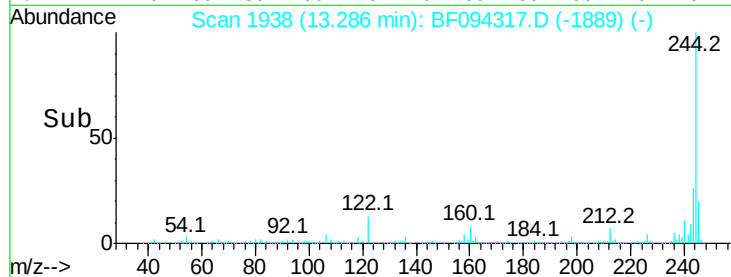
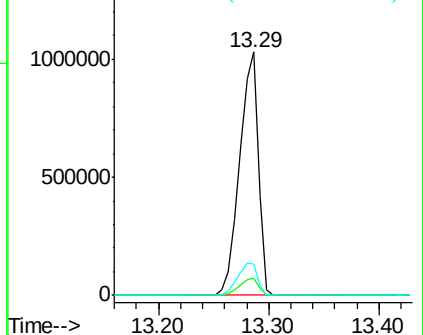
122 12.9 10.3 15.5



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: BF094317.D

Acq: 10 Apr 2017 18:00

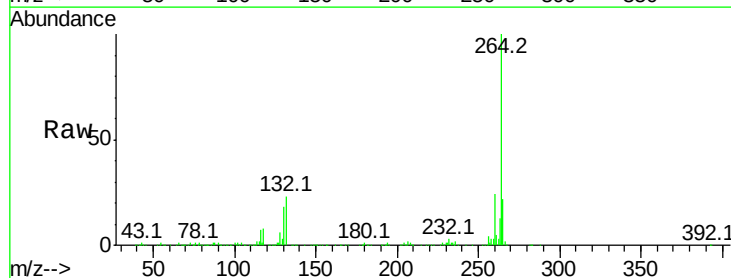
Tgt Ion:264 Resp: 292784

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.6 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

