

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
 Data File : BF094335.D  
 Acq On : 11 Apr 2017 3:39  
 Operator : SJ/MA  
 Sample : I2601-19  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-59-S2(8-10)

Quant Time: Apr 11 04:15:13 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

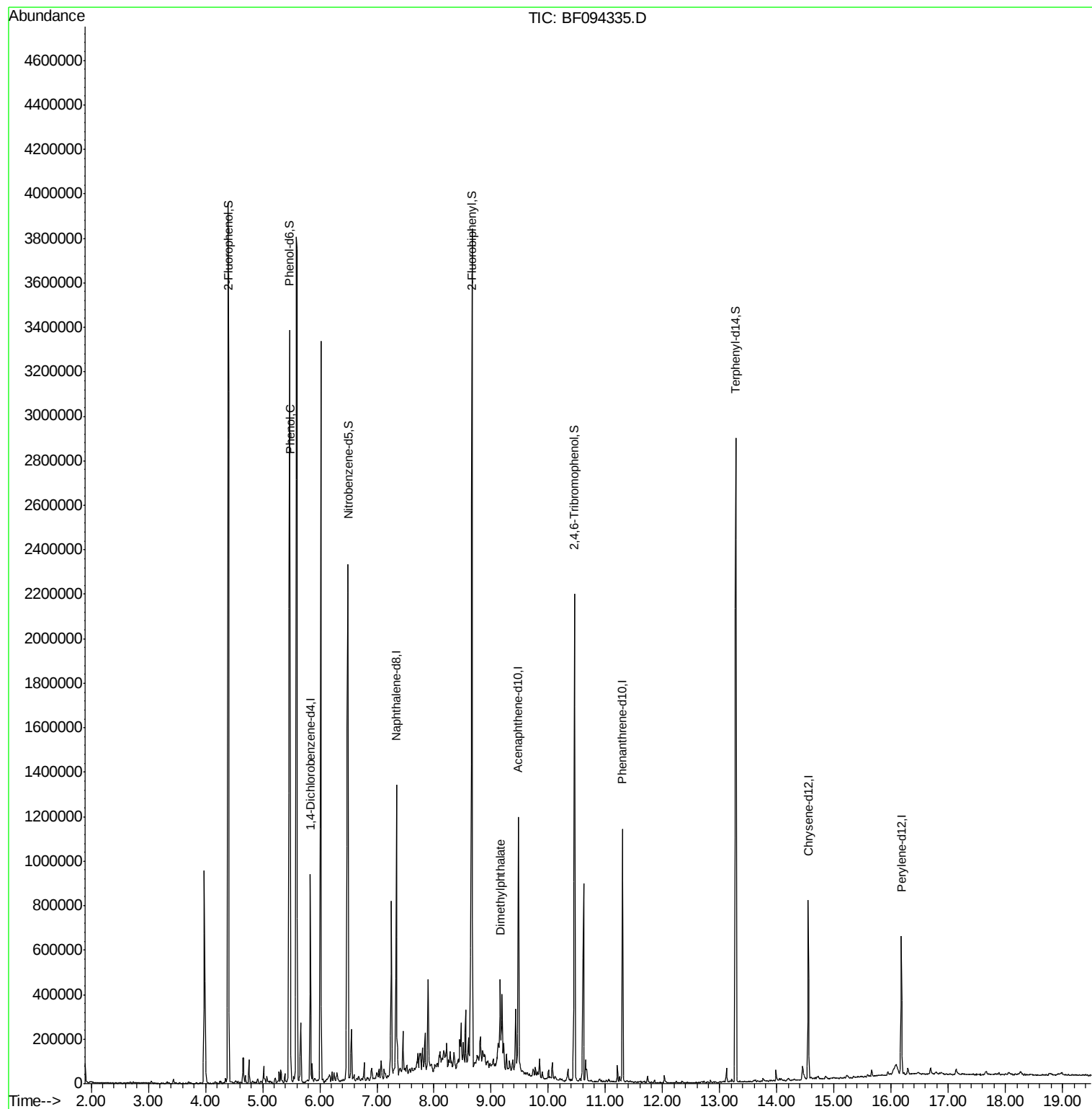
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.83  | 152  | 160080   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.34  | 136  | 622727   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.47  | 164  | 272785   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 440582   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.55 | 240  | 299554   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 16.18 | 264  | 255919   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.40  | 112  | 1291783  | 136.30 | ng    | 0.01     |
| 7) Phenol-d6                | 5.47  | 99   | 1680495  | 143.33 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 6.49  | 82   | 1038812  | 95.20  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 307088   | 142.46 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.66  | 172  | 1558392  | 87.14  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.28 | 244  | 1089919  | 81.56  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 5.49  | 94   | 106760   | 8.00   | ng    | 88       |
| 49) Dimethylphthalate       | 9.16  | 163  | 164461   | 8.48   | ng    | 99       |

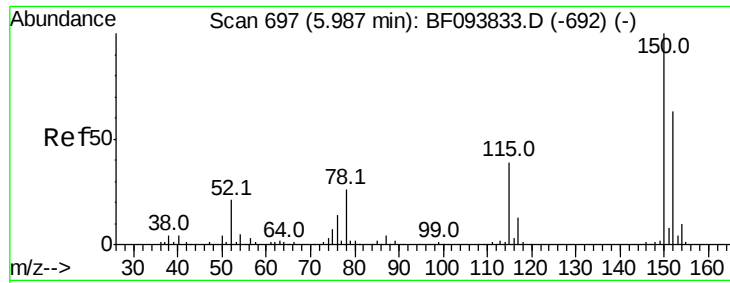
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
Data File : BF094335.D  
Acq On : 11 Apr 2017 3:39  
Operator : SJ/MA  
Sample : I2601-19  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-59-S2(8-10)

Quant Time: Apr 11 04:15:13 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



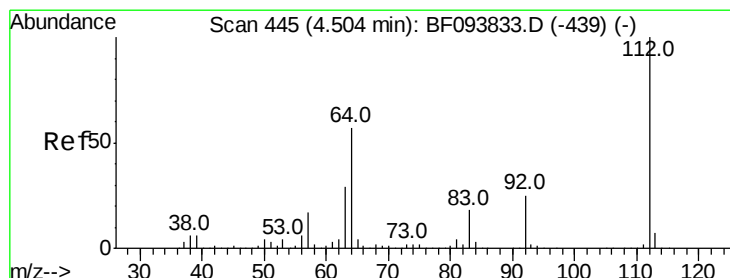
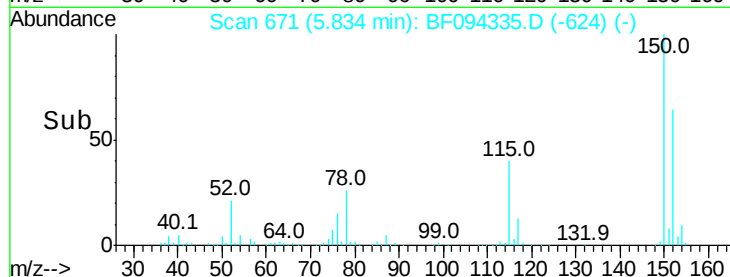
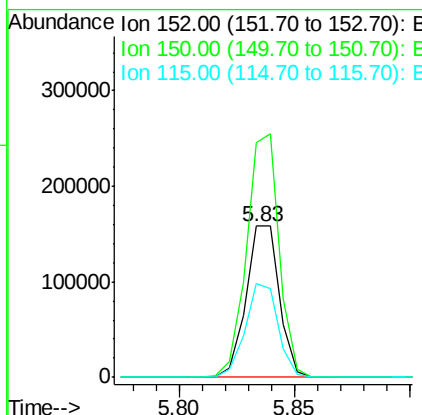
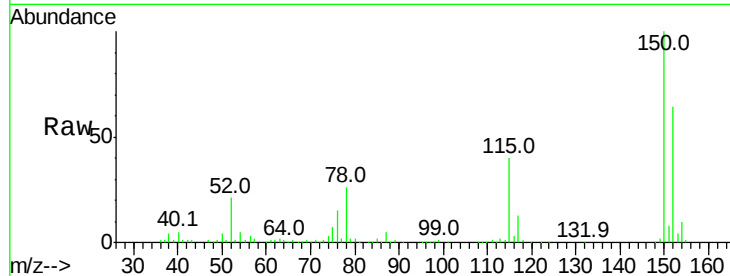


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.83 min Scan# 671  
 Delta R.T. -0.02 min  
 Lab File: BF094335.D  
 Acq: 11 Apr 2017 3:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-59-S2(8-10)

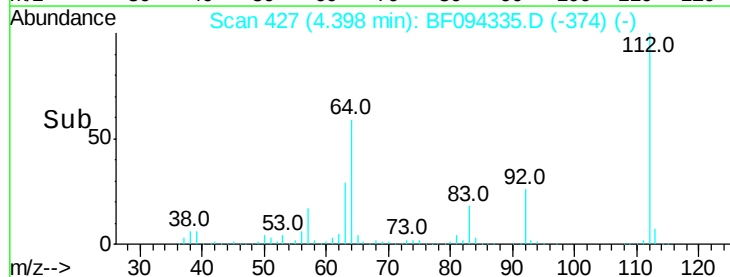
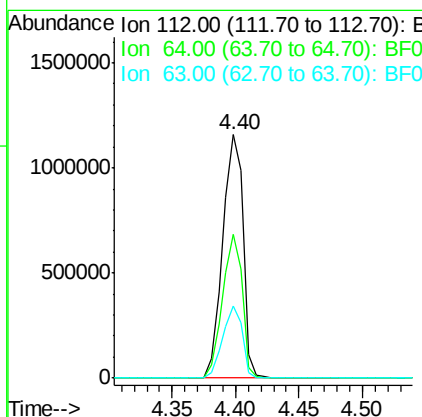
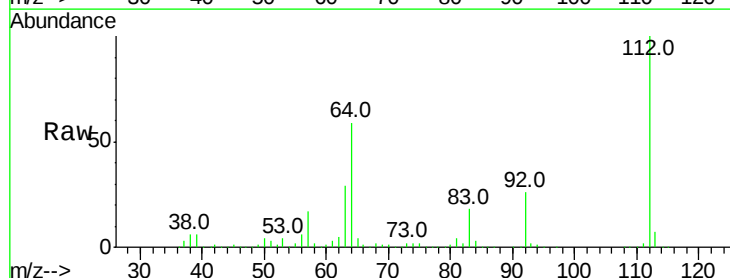
Tot Ion:152 Resp: 160080  
 Ion Ratio Lower Upper  
 152 100  
 150 155.4 126.2 189.2  
 115 62.0 52.2 78.2

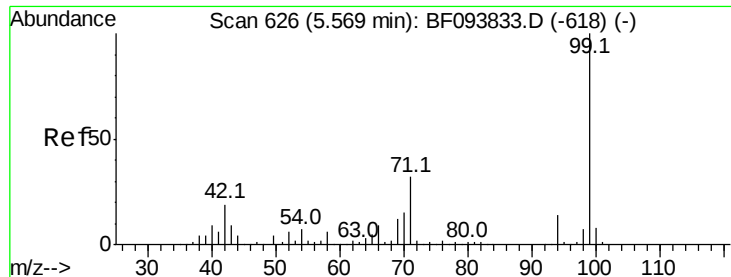


#5

2-Fluorophenol  
 Concen: 136.30 ng  
 RT: 4.40 min Scan# 427  
 Delta R.T. 0.01 min  
 Lab File: BF094335.D  
 Acq: 11 Apr 2017 3:39

Tgt Ion:112 Resp: 1291783  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 46.0 69.0  
 63 29.4 23.4 35.0





#7

Phenol-d6

Concen: 143.33 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094335.D

Acq: 11 Apr 2017 3:39

Instrument :

BNA\_F

ClientSampleId :

B-59-S2(8-10)

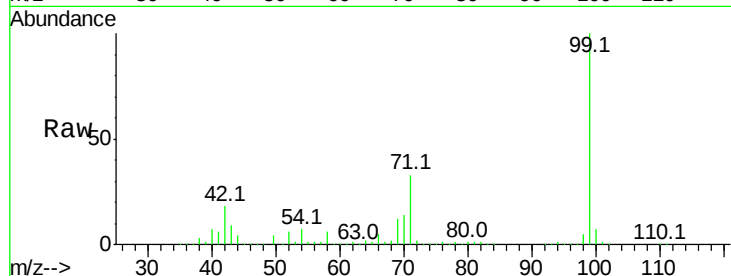
Tot Ion: 99 Resp: 1680495

Ion Ratio Lower Upper

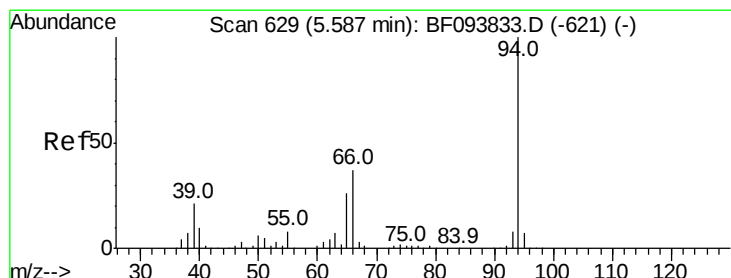
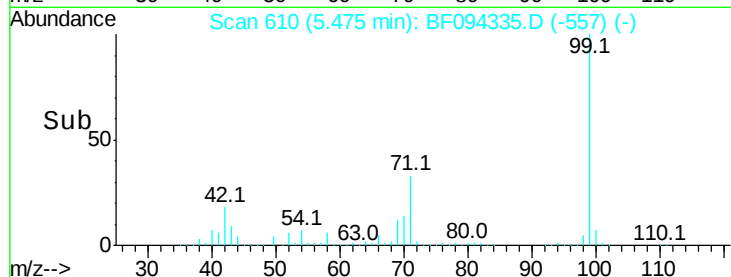
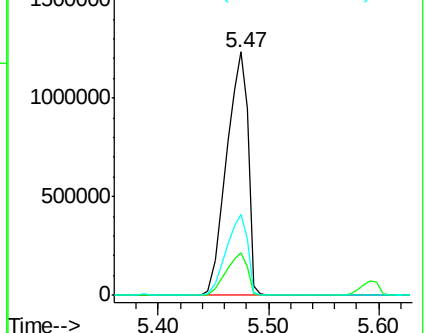
99 100

42 17.7 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: 8.00 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.01 min

Lab File: BF094335.D

Acq: 11 Apr 2017 3:39

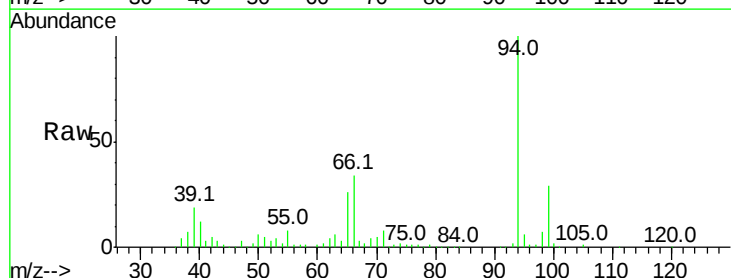
Tgt Ion: 94 Resp: 106760

Ion Ratio Lower Upper

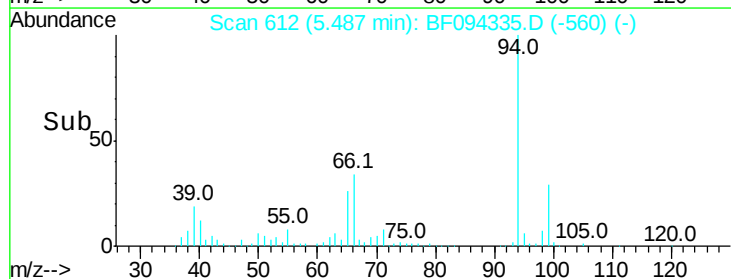
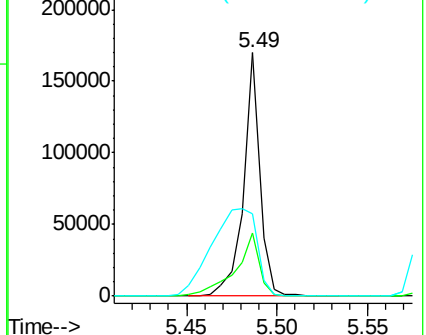
94 100

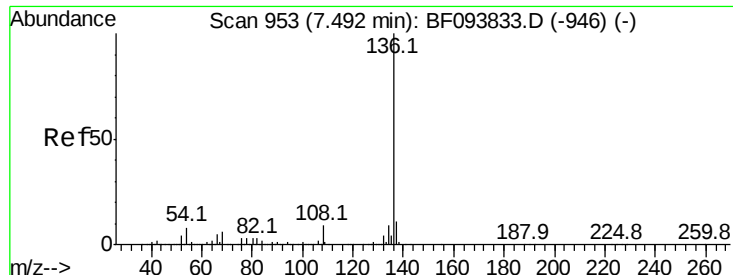
65 25.7 9.9 49.9

66 33.7 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

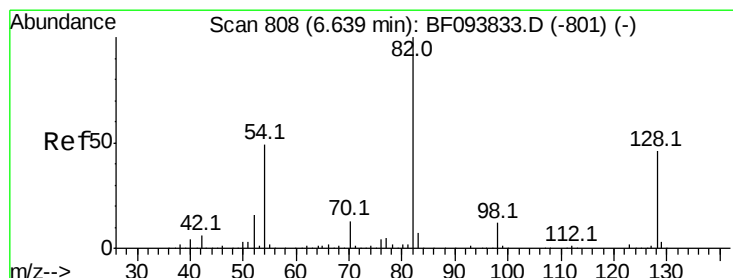
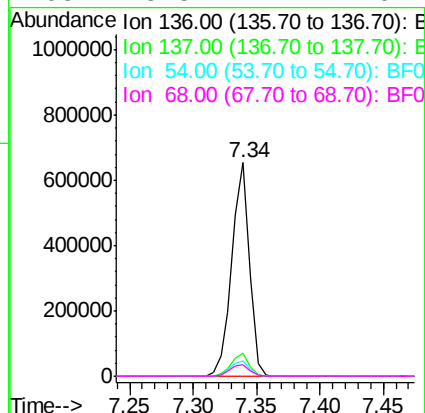
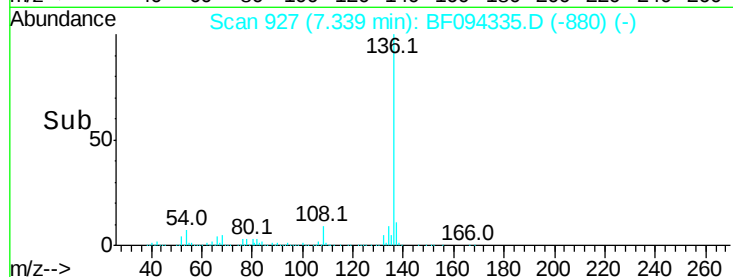
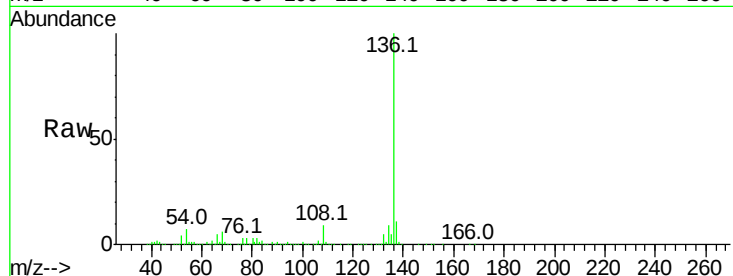




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.34 min Scan# 927  
Delta R.T. -0.02 min  
Lab File: BF094335.D  
Acq: 11 Apr 2017 3:39

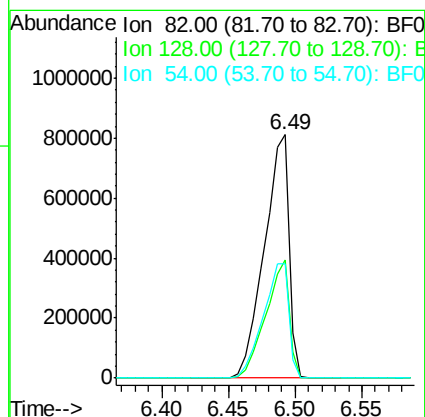
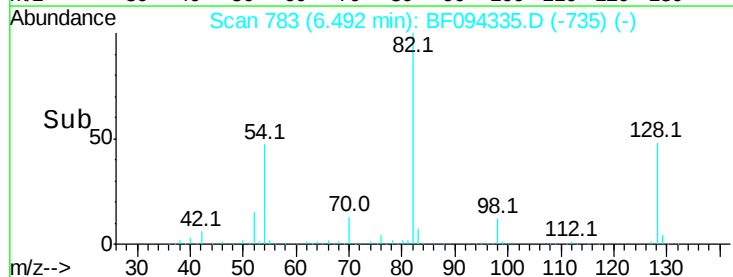
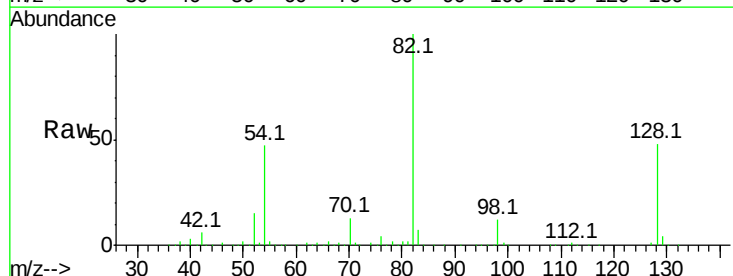
Instrument :  
BNA\_F  
ClientSampleId :  
B-59-S2(8-10)

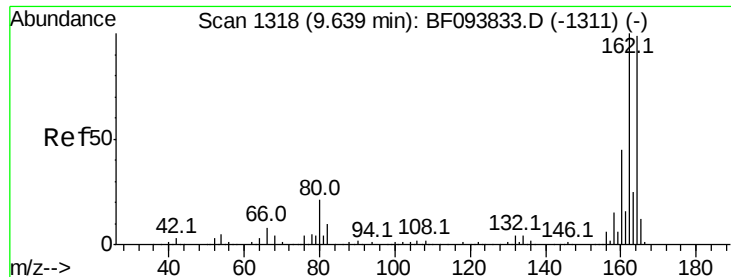
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 622727 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.0    | 8.5 12.7     |
| 54 7.1      | 4.9 7.3      |
| 68 5.5      | 4.1 6.1      |



#23  
Nitrobenzene-d5  
Concen: 95.20 ng  
RT: 6.49 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BF094335.D  
Acq: 11 Apr 2017 3:39

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1038812 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 48.3    | 34.0 51.0     |
| 54 47.2     | 42.2 63.2     |

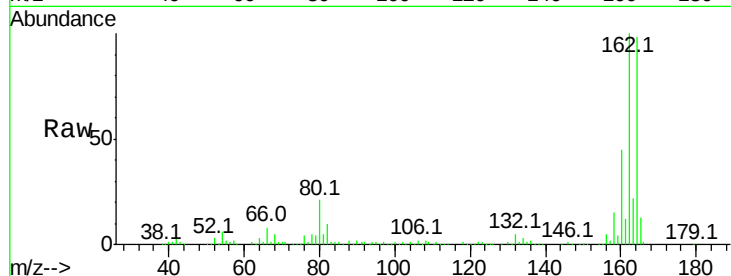




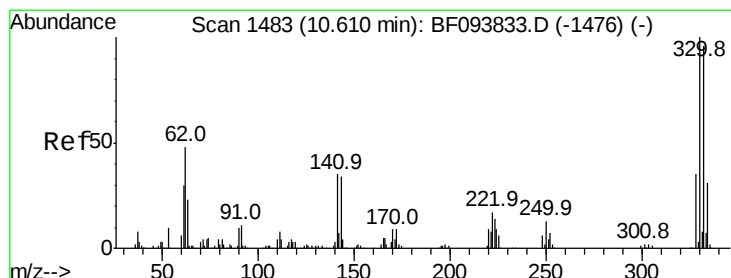
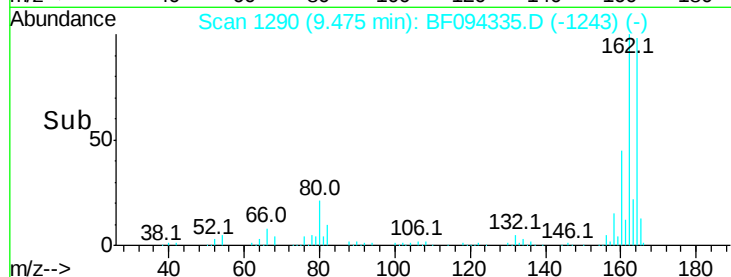
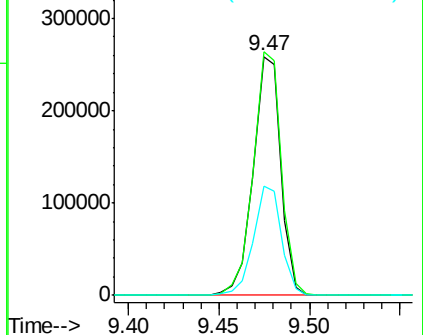
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.47 min Scan# 1290  
 Delta R.T. -0.02 min  
 Lab File: BF094335.D  
 Acq: 11 Apr 2017 3:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-59-S2(8-10)

Tot Ion:164 Resp: 272785  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 82.6 123.8  
 160 45.4 36.2 54.2

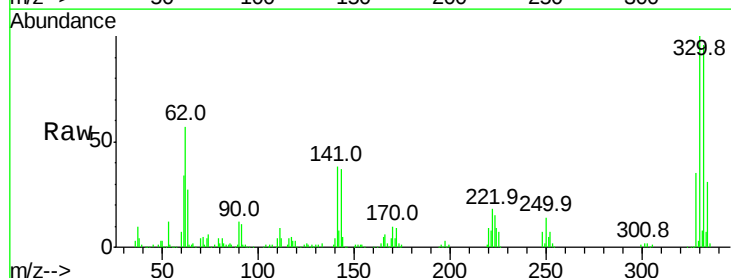


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

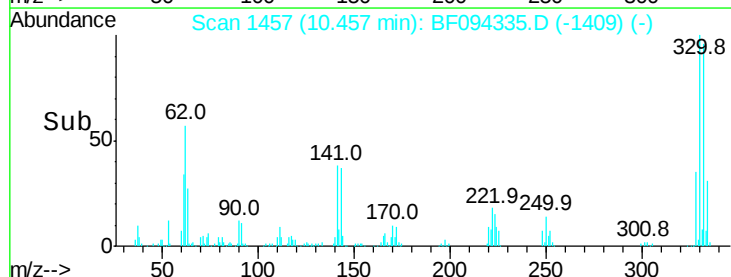
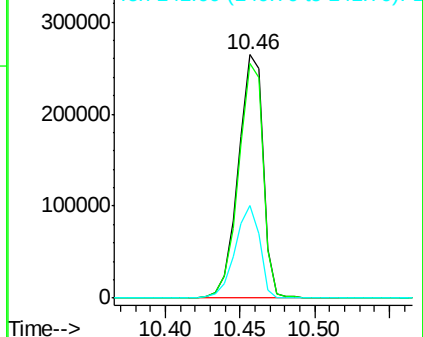


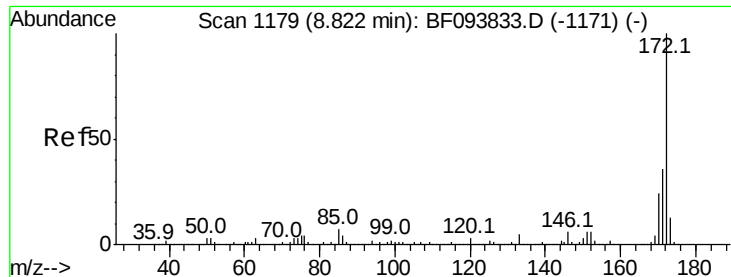
#41  
 2,4,6-Tribromophenol  
 Concen: 142.46 ng  
 RT: 10.46 min Scan# 1457  
 Delta R.T. -0.02 min  
 Lab File: BF094335.D  
 Acq: 11 Apr 2017 3:39

Tgt Ion:330 Resp: 307088  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.6 115.0  
 141 38.1 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



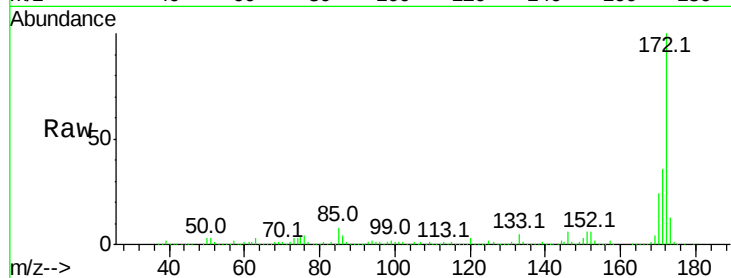


#44  
2-Fluorobiphenyl  
Concen: 87.14 ng  
RT: 8.66 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF094335.D  
Acq: 11 Apr 2017 3:39

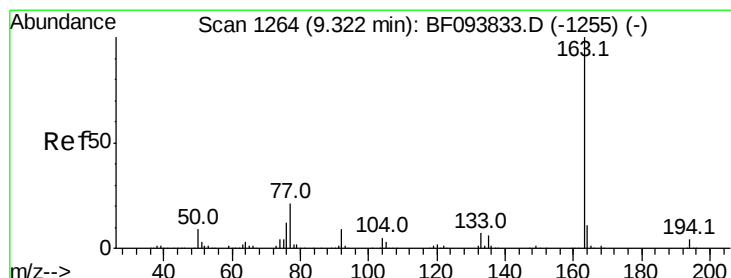
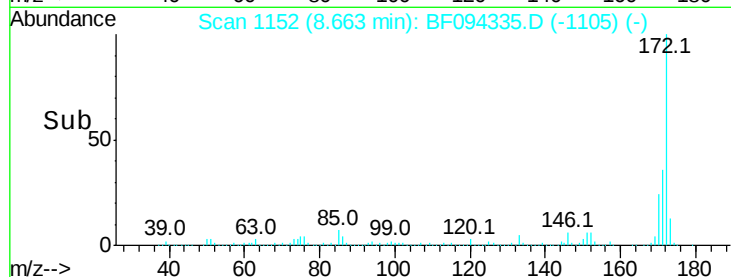
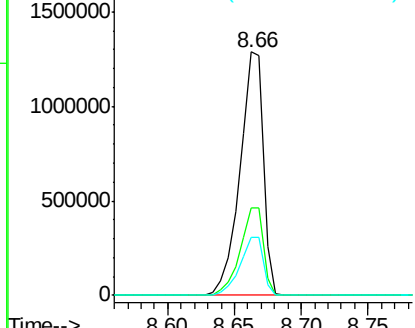
Instrument :  
BNA\_F  
ClientSampleId :  
B-59-S2(8-10)

Tot Ion:172 Resp: 1558392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.8  | 29.6  | 44.4  |
| 170 | 23.9  | 19.8  | 29.8  |



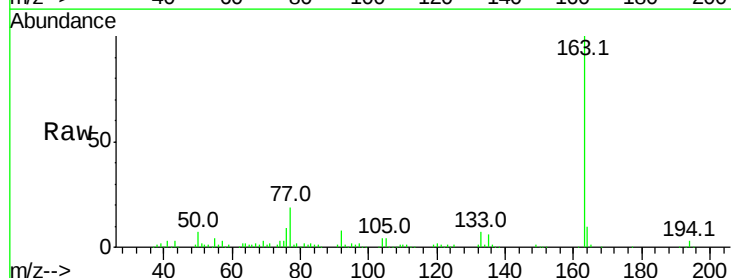
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



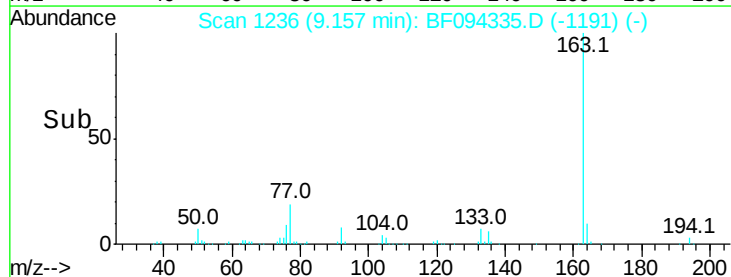
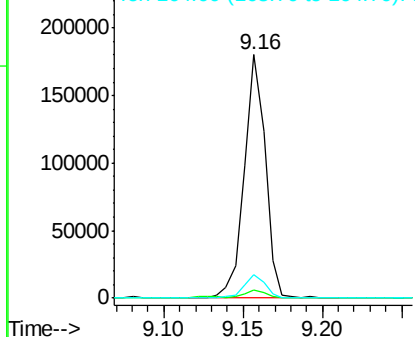
#49  
Dimethylphthalate  
Concen: 8.48 ng  
RT: 9.16 min Scan# 1236  
Delta R.T. -0.04 min  
Lab File: BF094335.D  
Acq: 11 Apr 2017 3:39

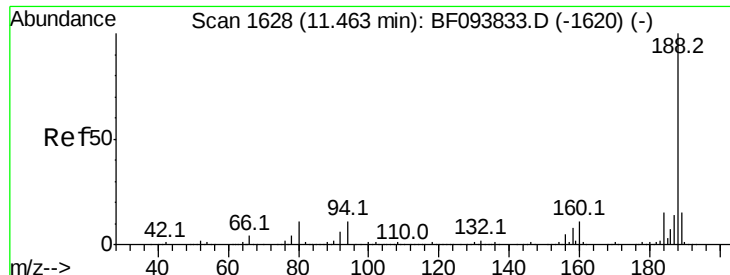
Tgt Ion:163 Resp: 164461

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.4   | 2.6   | 4.0   |
| 164 | 9.8   | 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# 1600

Delta R.T. -0.02 min

Lab File: BF094335.D

Acq: 11 Apr 2017 3:39

Instrument :

BNA\_F

ClientSampleId :

B-59-S2(8-10)

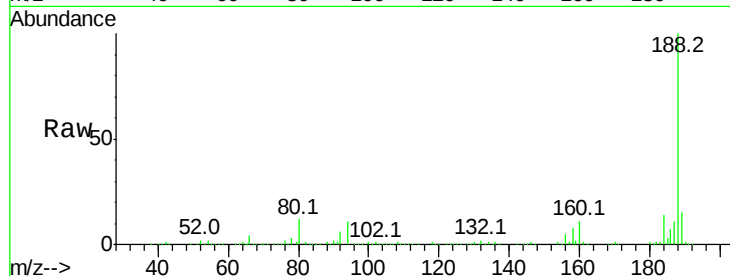
Tot Ion:188 Resp: 440582

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

80 12.0 10.2 15.2



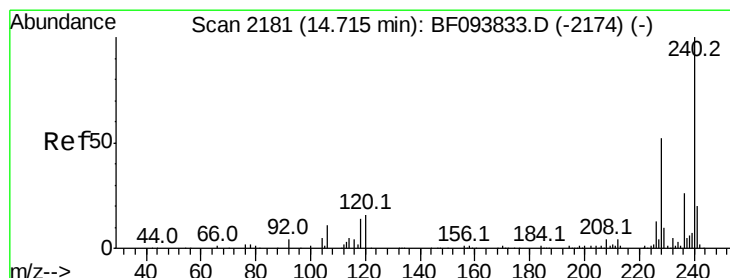
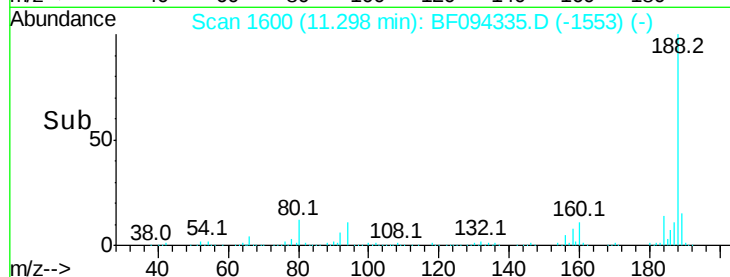
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.30

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094335.D

Acq: 11 Apr 2017 3:39

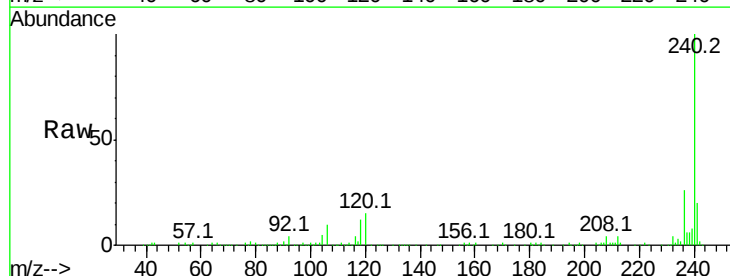
Tgt Ion:240 Resp: 299554

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

236 26.1 20.5 30.7



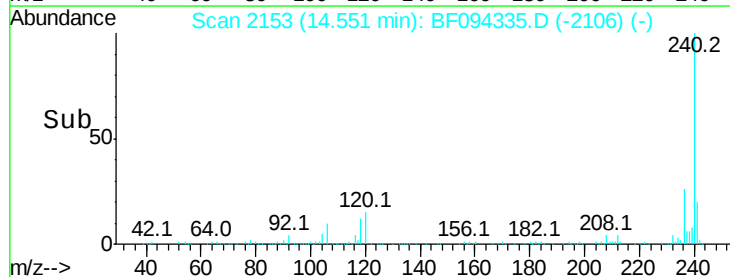
Abundance Ion 240.00 (239.70 to 240.70): E

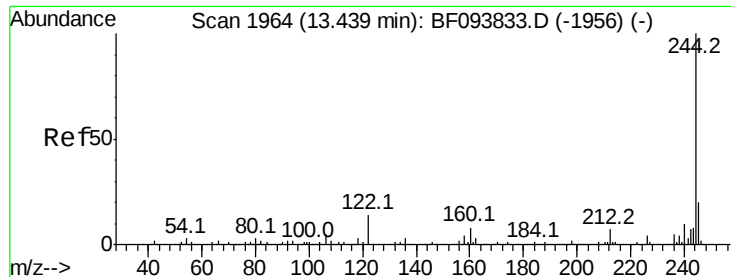
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.55

Time-->





#78

Terphenyl-d14

Concen: 81.56 ng

RT: 13.28 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BF094335.D

Acq: 11 Apr 2017 3:39

Instrument :

BNA\_F

ClientSampleId :

B-59-S2(8-10)

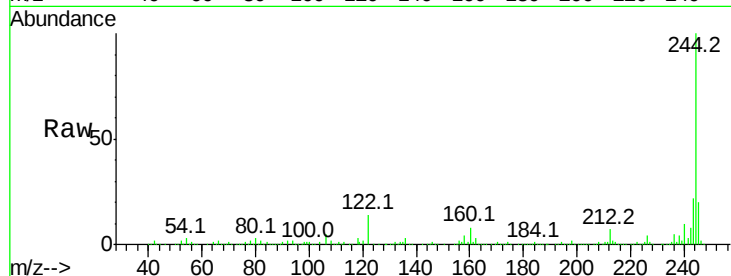
Tot Ion:244 Resp: 1089919

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

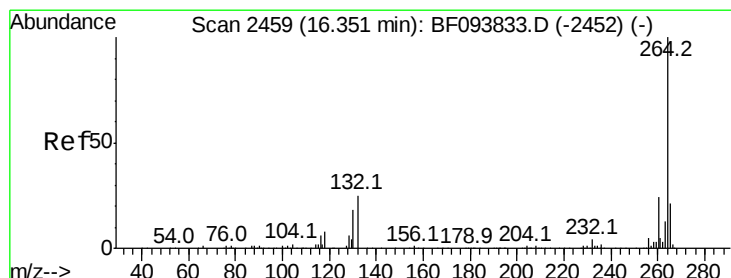
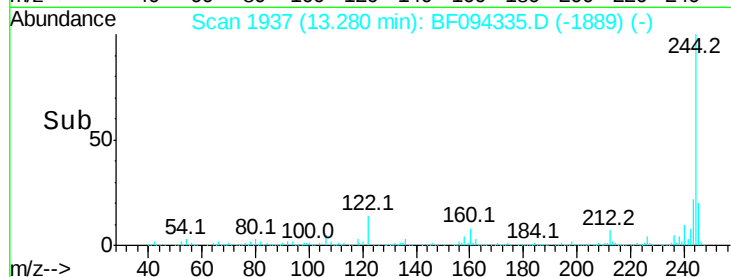
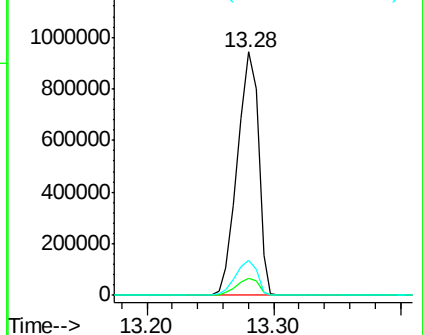
122 14.2 10.3 15.5



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: BF094335.D

Acq: 11 Apr 2017 3:39

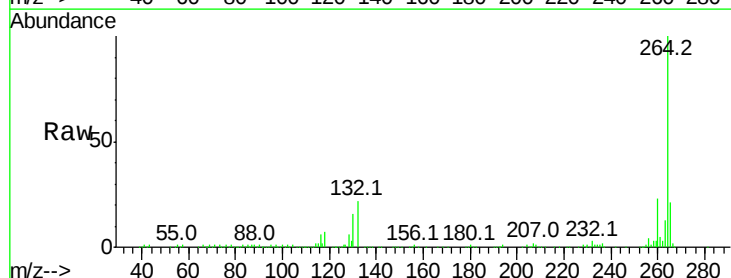
Tgt Ion:264 Resp: 255919

Ion Ratio Lower Upper

264 100

260 22.8 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

