

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
 Data File : BF094344.D  
 Acq On : 11 Apr 2017 7:48  
 Operator : SJ/MA  
 Sample : I2598-09  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-25-S2(13-15)

Quant Time: Apr 11 08:12:01 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

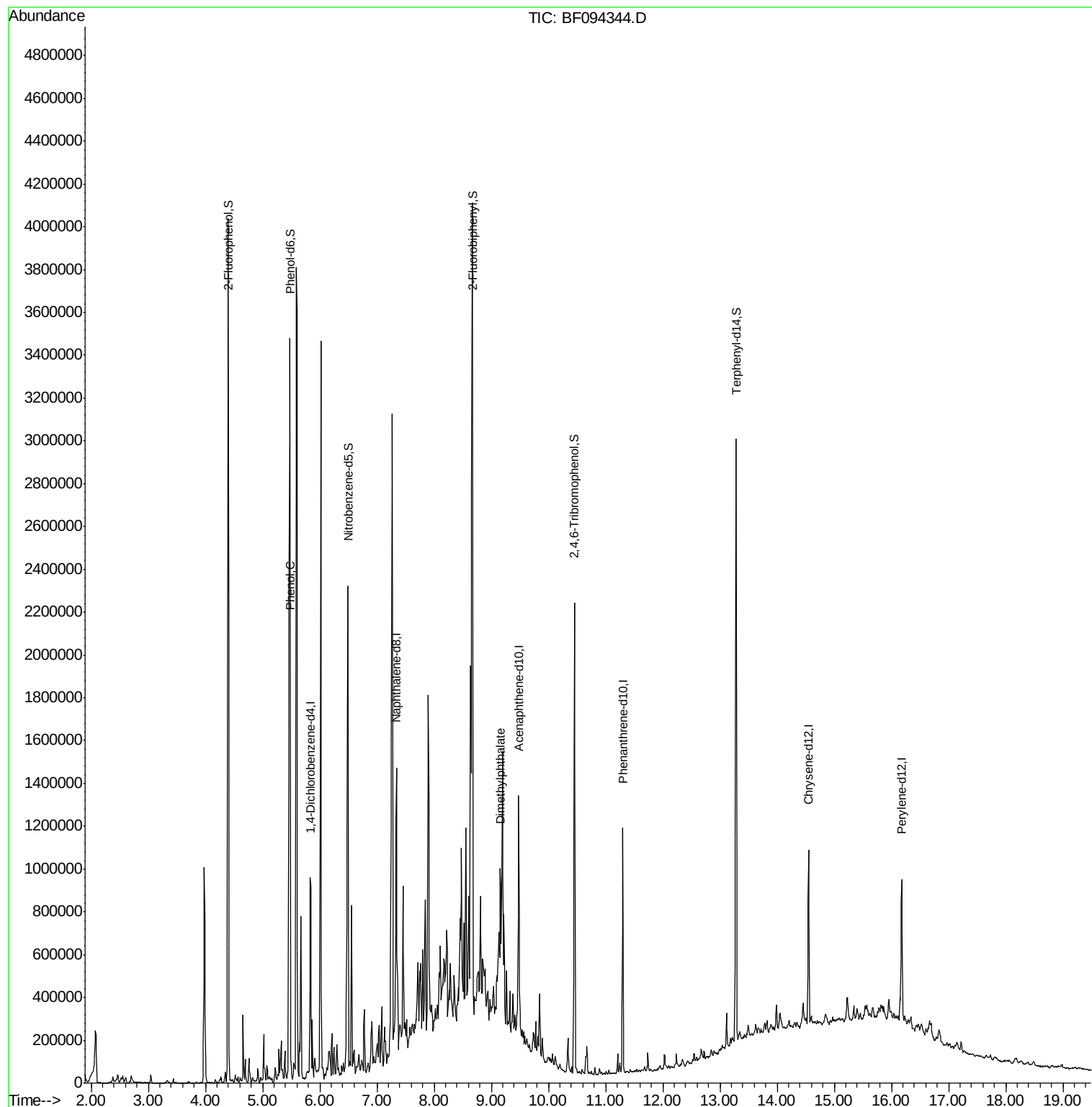
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.83  | 152  | 155795   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.34  | 136  | 595448   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.47  | 164  | 260605   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 431514   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.55 | 240  | 312259   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 16.18 | 264  | 259659   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.40  | 112  | 1296018  | 140.50 | ng    | 0.01     |
| 7) Phenol-d6                | 5.47  | 99   | 1644197  | 144.09 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 6.49  | 82   | 1030680  | 98.78  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 312381   | 151.69 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.67  | 172  | 1588137  | 92.95  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.29 | 244  | 1140991  | 81.90  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 5.49  | 94   | 97089    | 7.48   | ng    | 84       |
| 49) Dimethylphthalate       | 9.16  | 163  | 287058   | 15.50  | ng    | 99       |

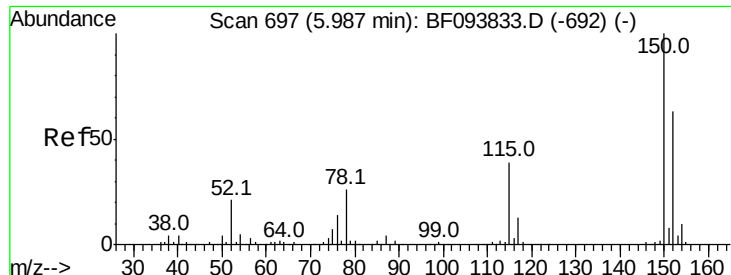
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094344.D

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Instrument :

BNA\_F

ClientSampleId :

B-25-S2(13-15)

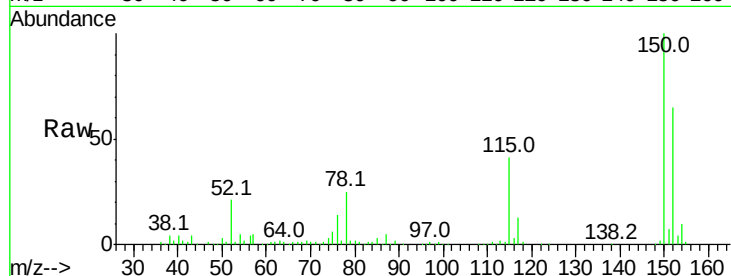
Tot Ion:152 Resp: 155795

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

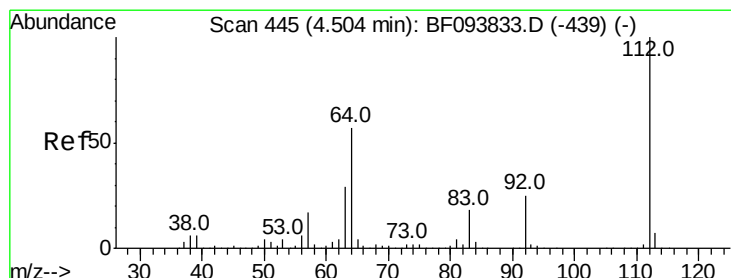
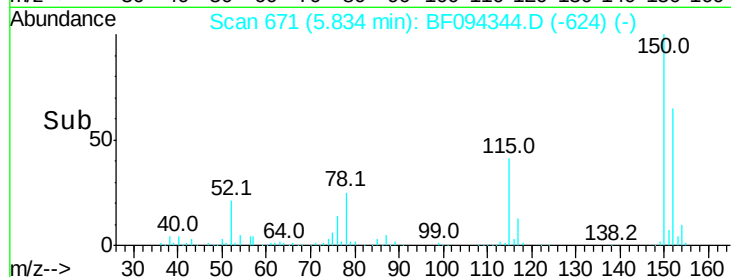
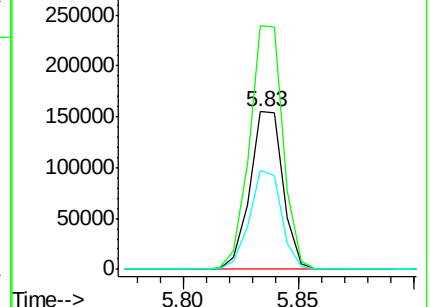
115 63.1 52.2 78.2



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: 140.50 ng

RT: 4.40 min Scan# 427

Delta R.T. 0.01 min

Lab File: BF094344.D

Acq: 11 Apr 2017 7:48

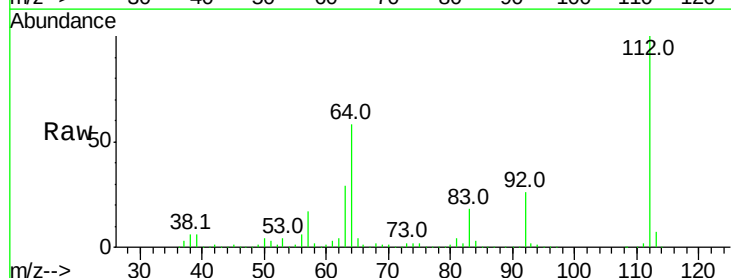
Tgt Ion:112 Resp: 1296018

Ion Ratio Lower Upper

112 100

64 58.0 46.0 69.0

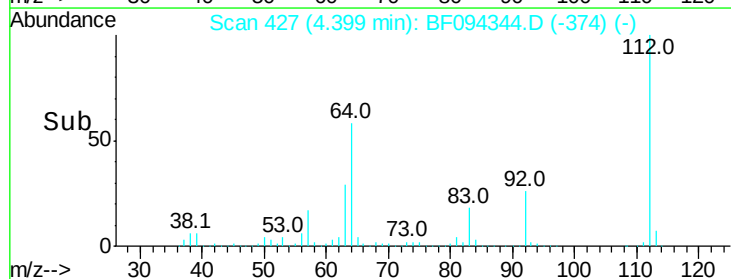
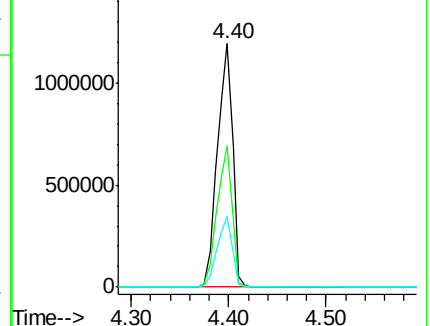
63 29.2 23.4 35.0

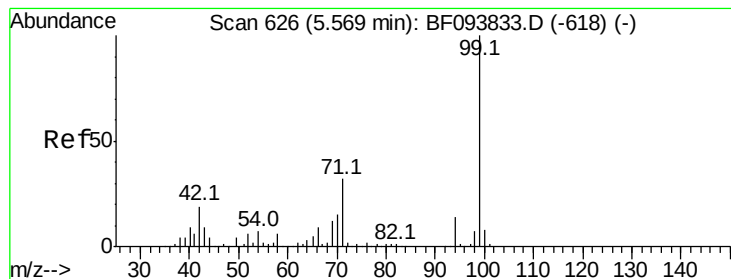


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.09 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094344.D

Acq: 11 Apr 2017 7:48

Instrument :

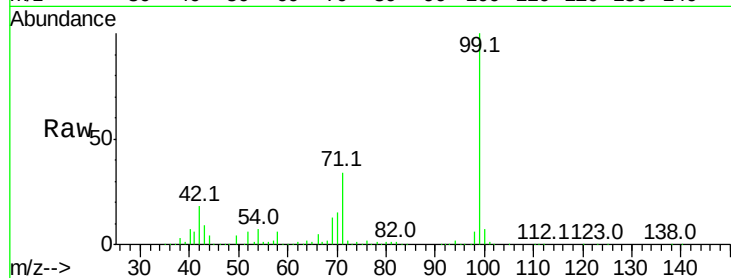
BNA\_F

ClientSampleId :

B-25-S2(13-15)

Tot Ion: 99 Resp: 1644197

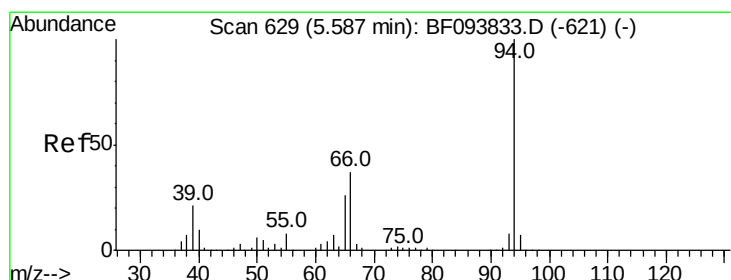
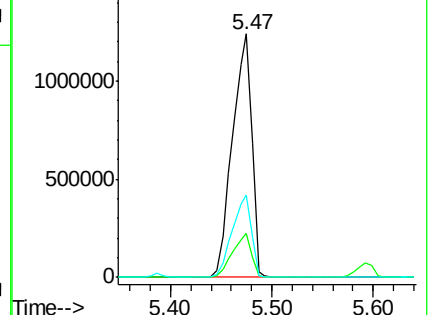
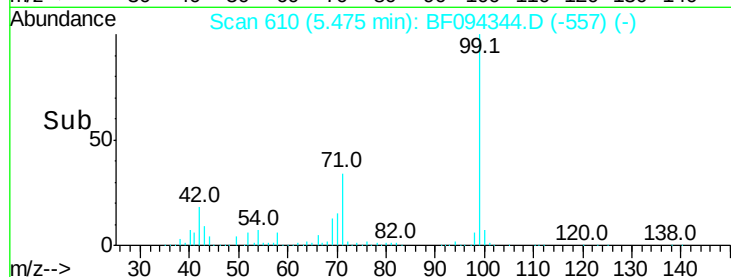
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.0  | 13.5  | 20.3  |
| 71  | 33.9  | 24.5  | 36.7  |



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: 7.48 ng

RT: 5.49 min Scan# 612

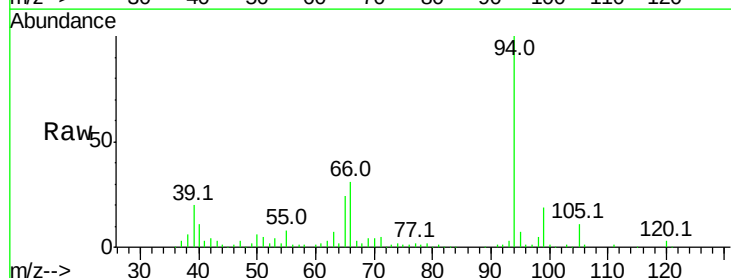
Delta R.T. 0.01 min

Lab File: BF094344.D

Acq: 11 Apr 2017 7:48

Tgt Ion: 94 Resp: 97089

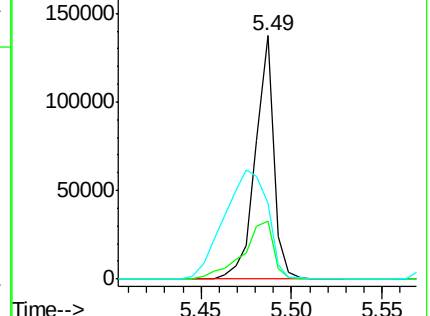
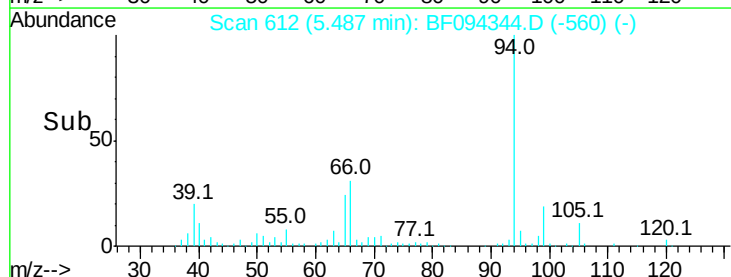
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 23.7  | 9.9   | 49.9  |
| 66  | 31.0  | 23.1  | 63.1  |

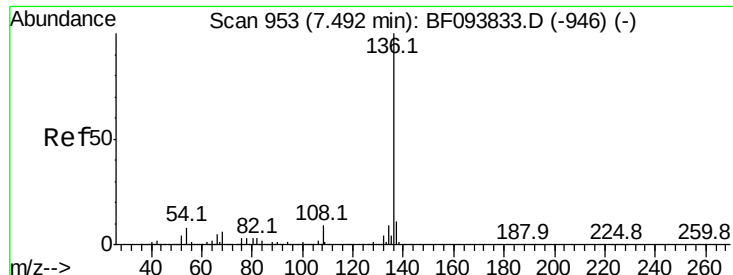


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

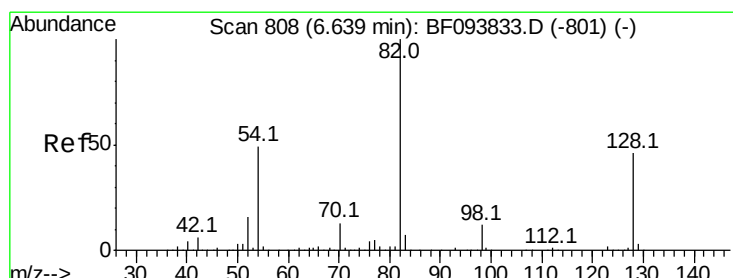
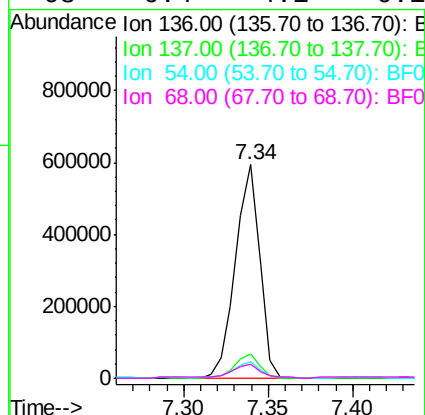
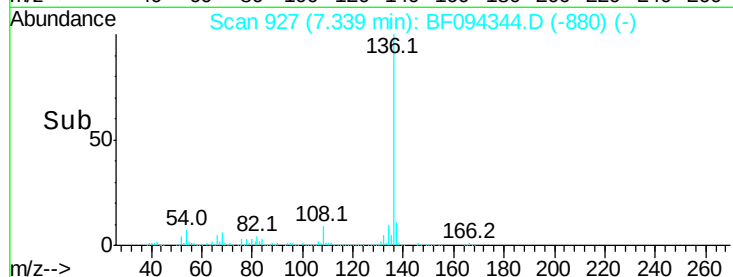
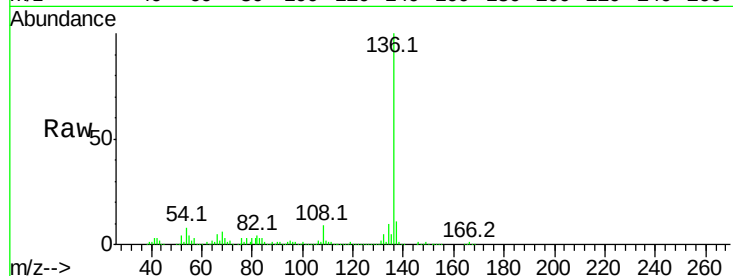




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.34 min Scan# 927  
Delta R.T. -0.02 min  
Lab File: BF094344.D  
Acq: 11 Apr 2017 7:48

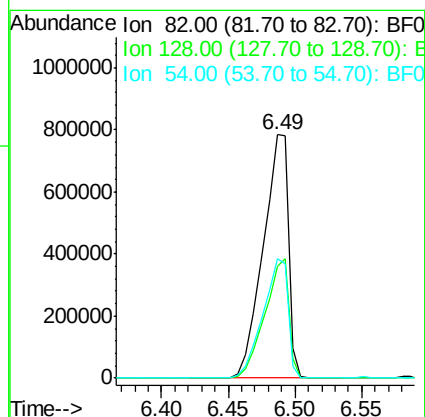
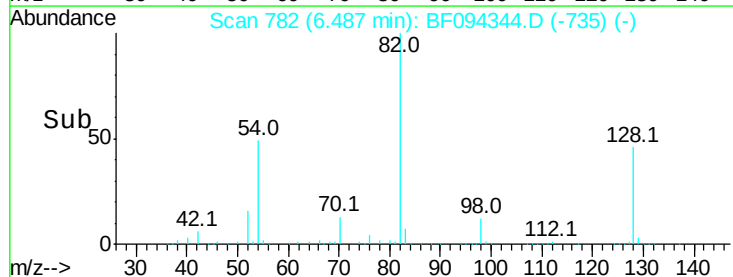
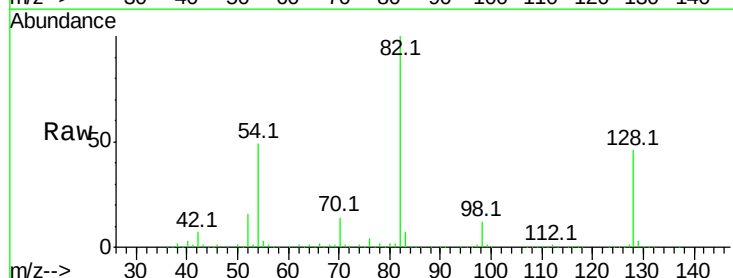
Instrument :  
BNA\_F  
ClientSampleId :  
B-25-S2(13-15)

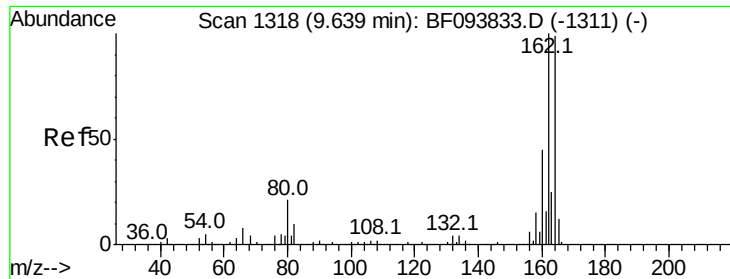
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 136   | Resp: | 595448 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.5   | 12.7   |
| 54        | 7.6   | 4.9   | 7.3#   |
| 68        | 6.4   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 98.78 ng  
RT: 6.49 min Scan# 782  
Delta R.T. -0.02 min  
Lab File: BF094344.D  
Acq: 11 Apr 2017 7:48

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 82    | Resp: | 1030680 |
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 46.1  | 34.0  | 51.0    |
| 54        | 49.2  | 42.2  | 63.2    |

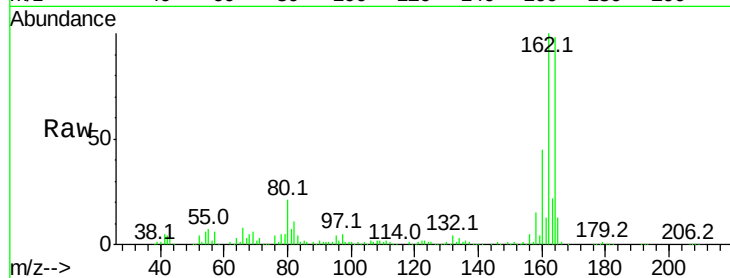




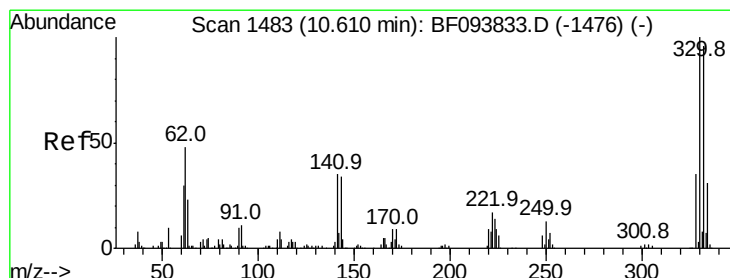
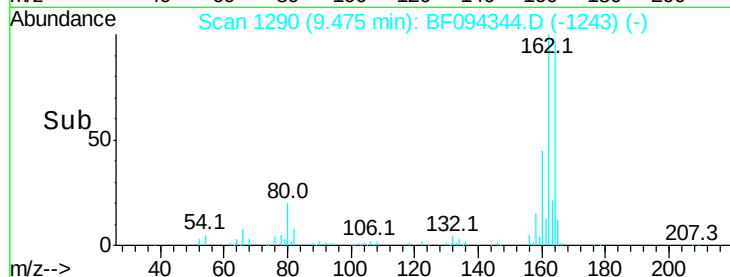
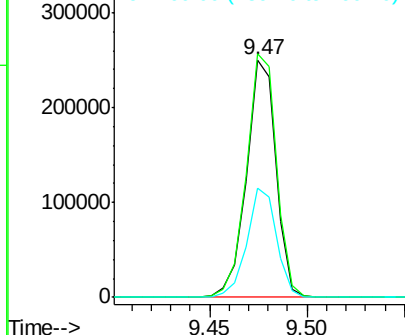
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.47 min Scan# 1290  
 Delta R.T. -0.02 min  
 Lab File: BF094344.D  
 Acq: 11 Apr 2017 7:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-25-S2(13-15)

Tot Ion:164 Resp: 260605  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 82.6 123.8  
 160 45.8 36.2 54.2

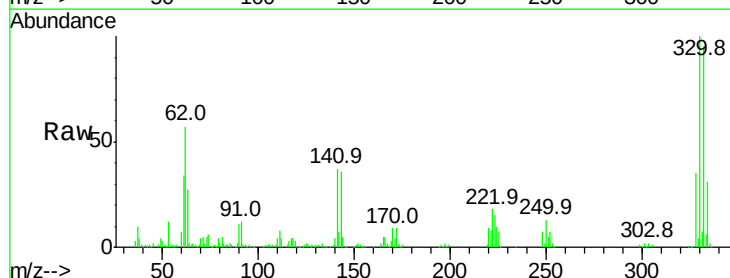


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

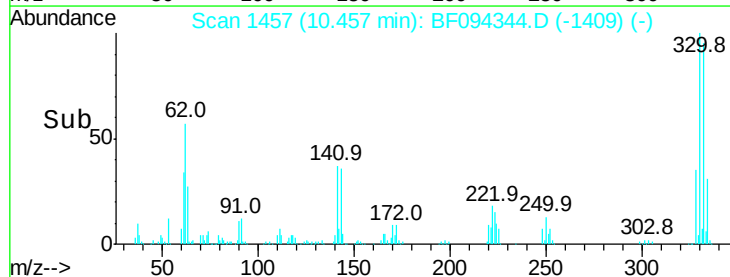
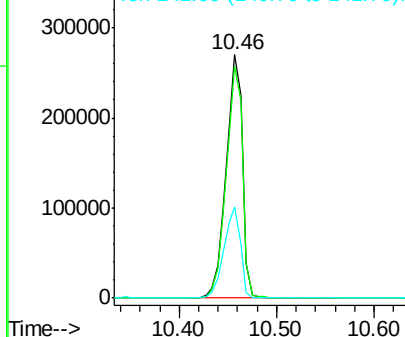


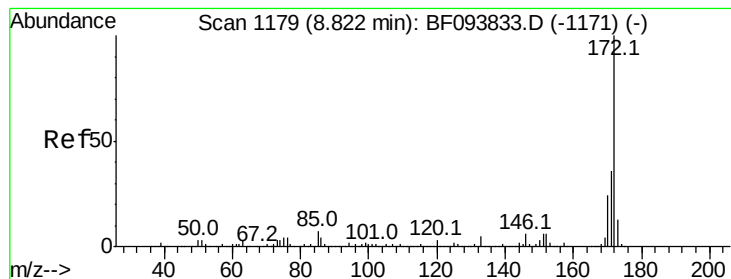
#41  
 2,4,6-Tribromophenol  
 Concen: 151.69 ng  
 RT: 10.46 min Scan# 1457  
 Delta R.T. -0.02 min  
 Lab File: BF094344.D  
 Acq: 11 Apr 2017 7:48

Tgt Ion:330 Resp: 312381  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 76.6 115.0  
 141 38.3 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: 92.95 ng

RT: 8.67 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF094344.D

Acq: 11 Apr 2017 7:48

Instrument :

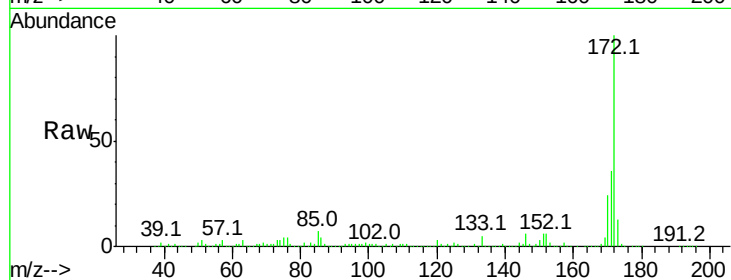
BNA\_F

ClientSampleId :

B-25-S2(13-15)

Tot Ion:172 Resp: 1588137

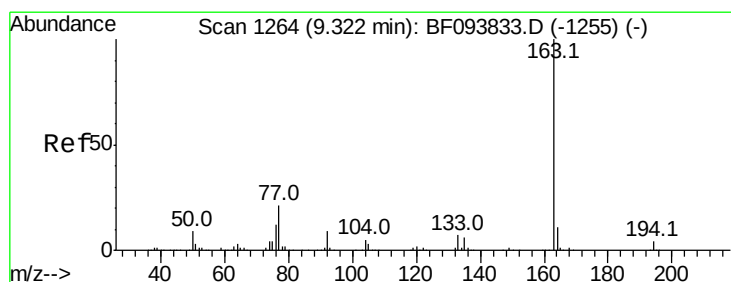
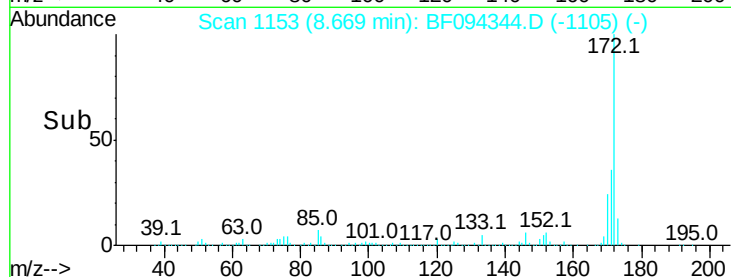
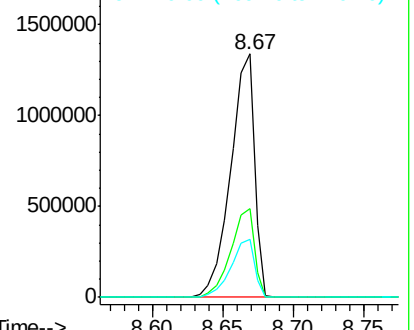
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.6  | 44.4  |
| 170 | 24.1  | 19.8  | 29.8  |



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: 15.50 ng

RT: 9.16 min Scan# 1236

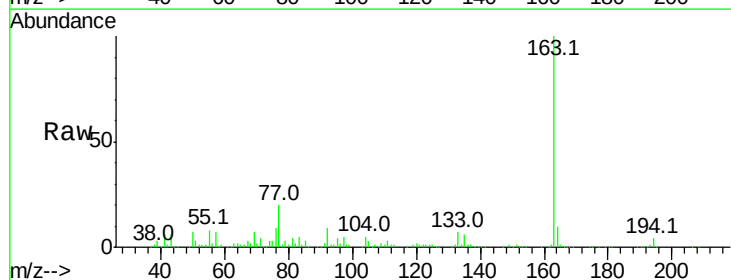
Delta R.T. -0.04 min

Lab File: BF094344.D

Acq: 11 Apr 2017 7:48

Tgt Ion:163 Resp: 287058

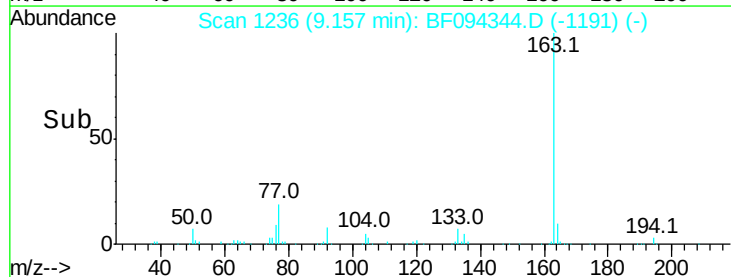
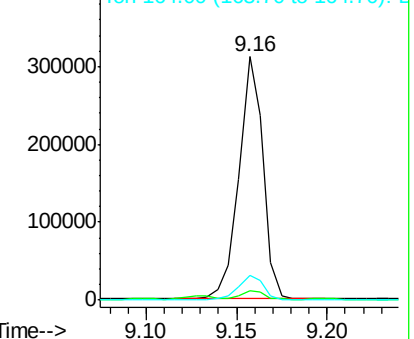
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.7   | 2.6   | 4.0   |
| 164 | 10.2  | 8.4   | 12.6  |

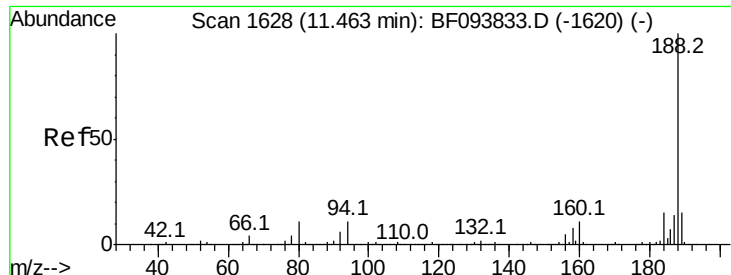


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

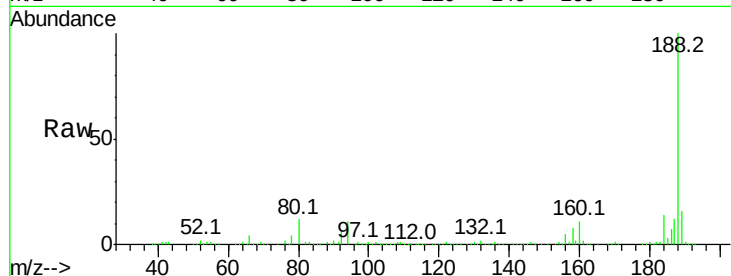




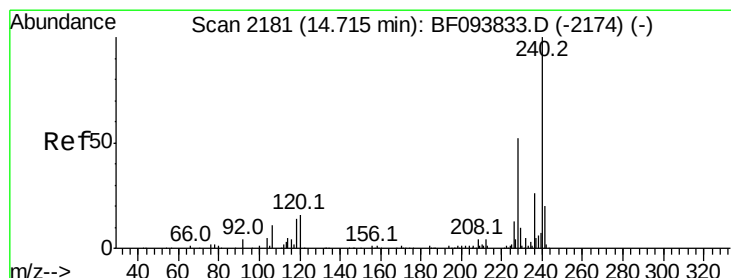
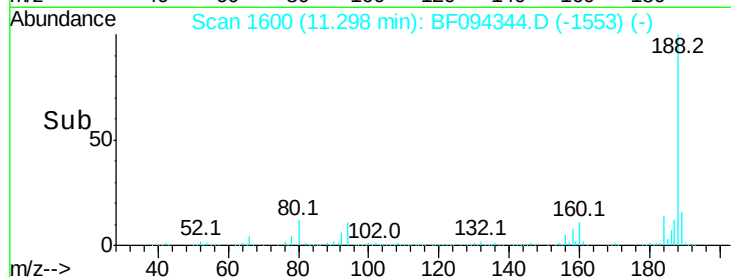
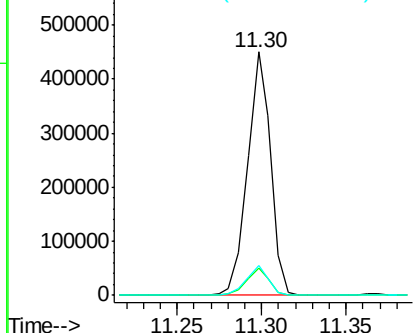
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1600  
Delta R.T. -0.02 min  
Lab File: BF094344.D  
Acq: 11 Apr 2017 7:48

Instrument :  
BNA\_F  
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B-25-S2(13-15)

Tot Ion:188 Resp: 431514  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.4 14.2  
80 12.3 10.2 15.2

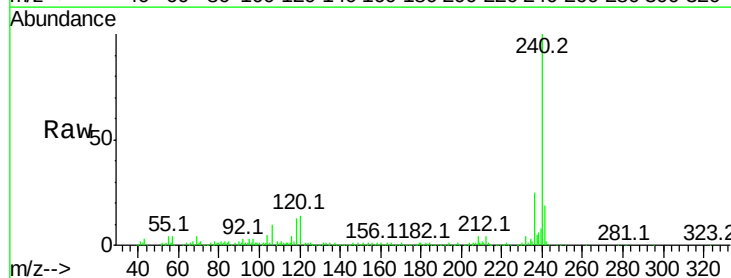


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

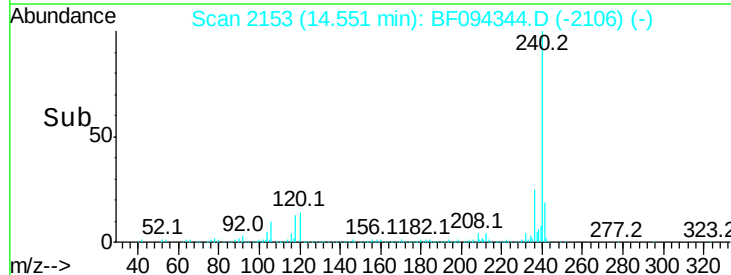
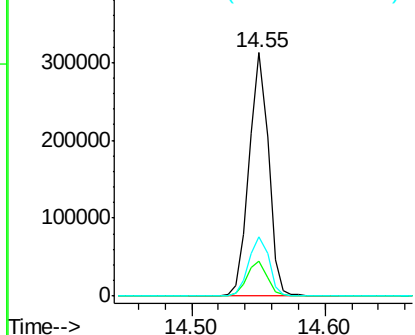


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.55 min Scan# 2153  
Delta R.T. -0.02 min  
Lab File: BF094344.D  
Acq: 11 Apr 2017 7:48

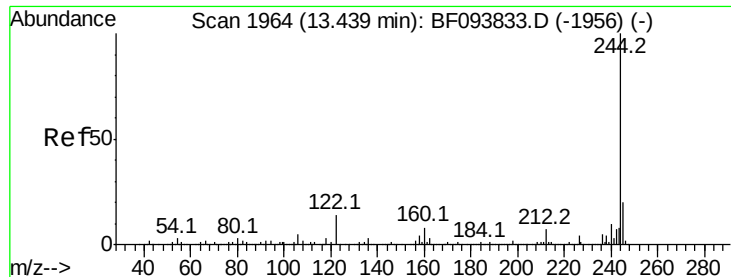
Tgt Ion:240 Resp: 312259  
Ion Ratio Lower Upper  
240 100  
120 14.5 5.8 8.8#  
236 24.6 20.5 30.7



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: 81.90 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094344.D

Acq: 11 Apr 2017 7:48

Instrument :

BNA\_F

ClientSampleId :

B-25-S2(13-15)

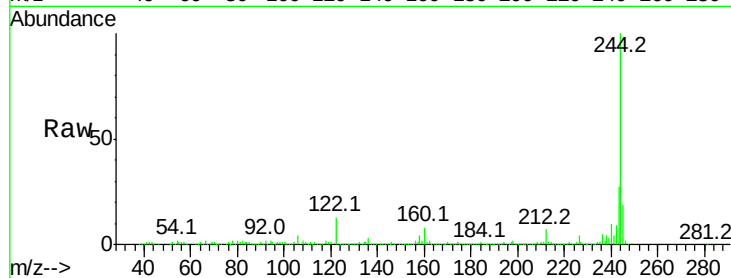
Tot Ion:244 Resp: 1140991

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

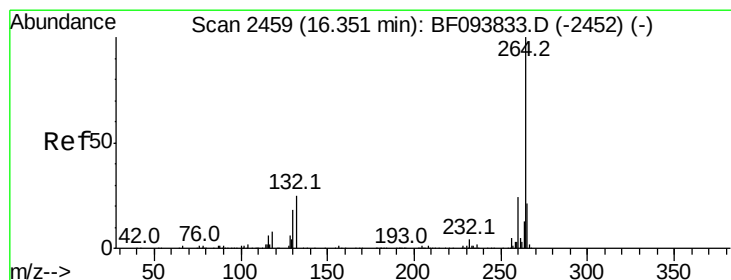
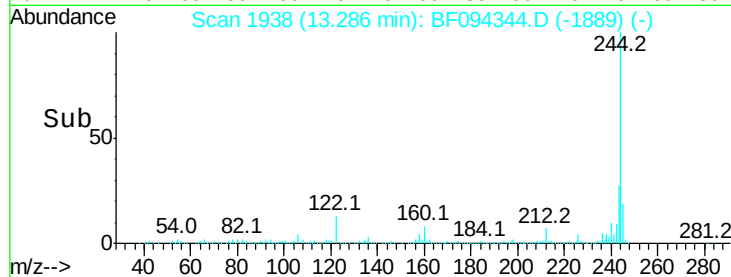
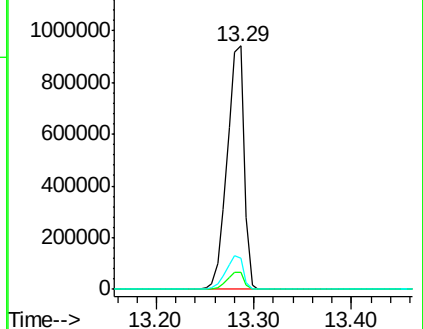
122 12.7 10.3 15.5



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: BF094344.D

Acq: 11 Apr 2017 7:48

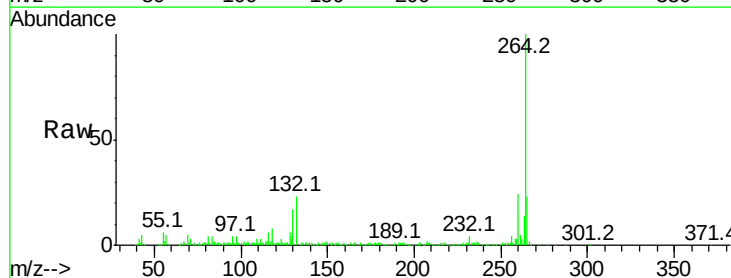
Tgt Ion:264 Resp: 259659

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.6 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

