

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\  
 Data File : BF098896.D  
 Acq On : 28 Sep 2017 8:07  
 Operator : SJ/JU  
 Sample : I5443-04  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-5

Quant Time: Sep 28 08:49:36 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

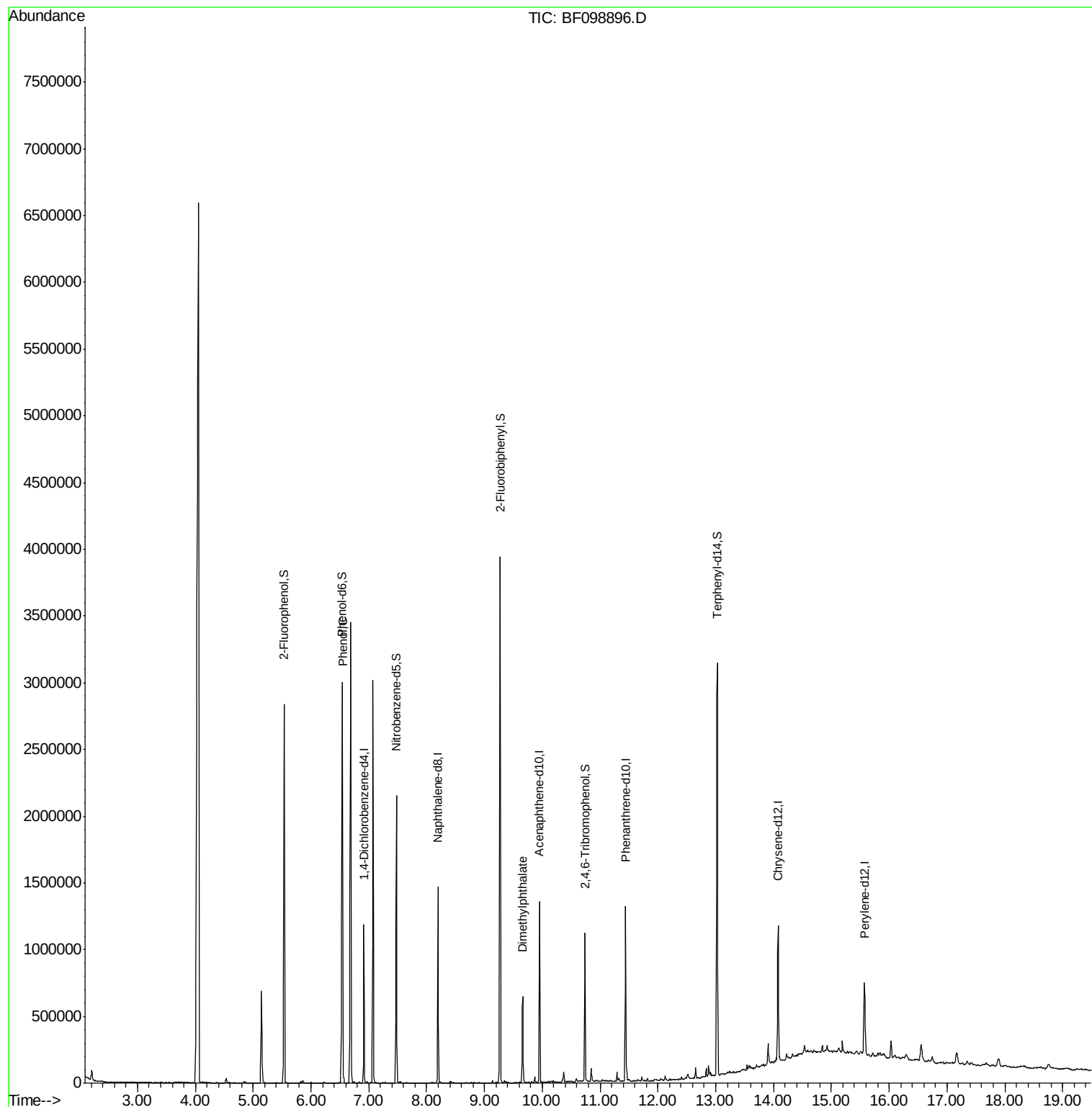
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 149370   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 614928   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.95  | 164  | 257096   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.44 | 188  | 414228   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.08 | 240  | 313719   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.57 | 264  | 219825   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 906972   | 96.66  | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 1257519  | 108.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 764983   | 79.78  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 103253   | 49.08  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.27  | 172  | 1287054  | 83.57  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 1019497  | 73.91  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.55  | 94   | 26461    | 2.044  | ng    | 96       |
| 49) Dimethylphthalate       | 9.66  | 163  | 249989   | 12.883 | ng    | 100      |

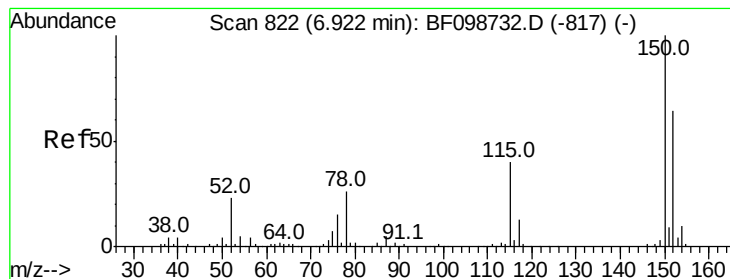
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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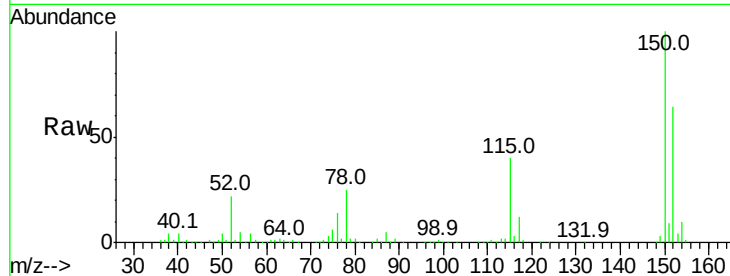


#1

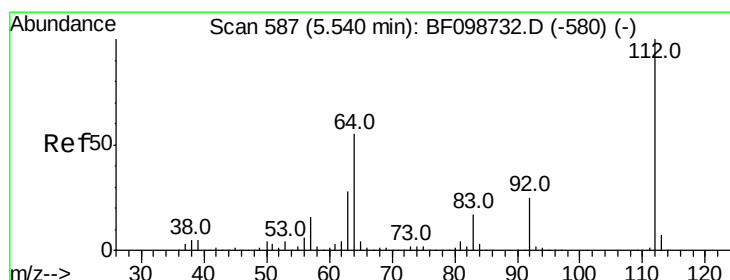
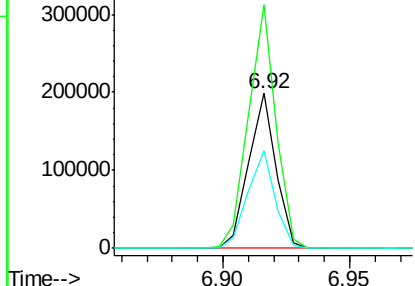
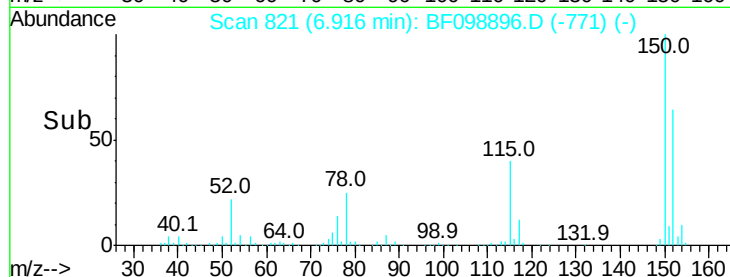
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF098896.D  
Acq: 28 Sep 2017 8:07

Instrument :  
BNA\_F  
ClientSampled :  
B-5

Tot Ion:152 Resp: 149370  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.6 186.8  
115 62.9 50.1 75.1



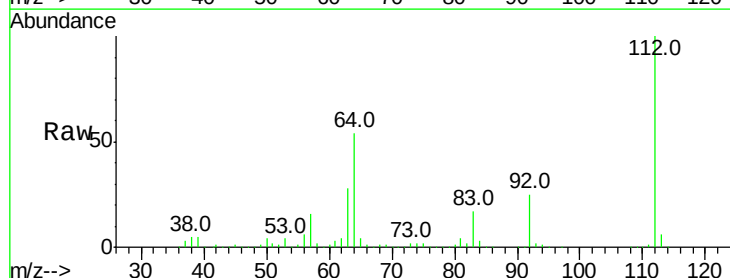
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



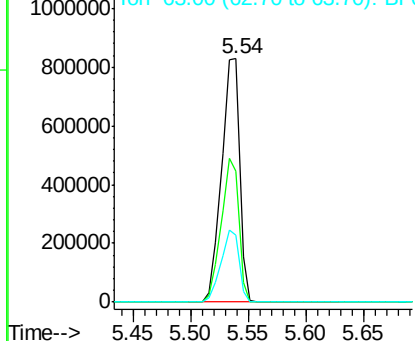
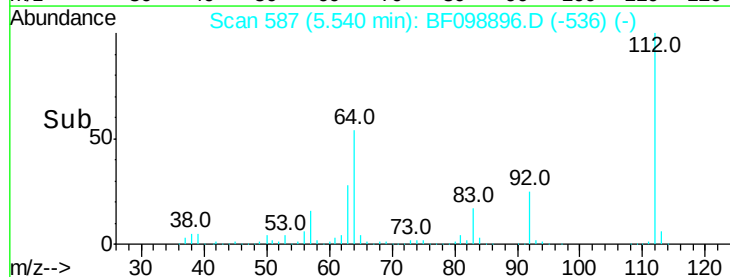
#5

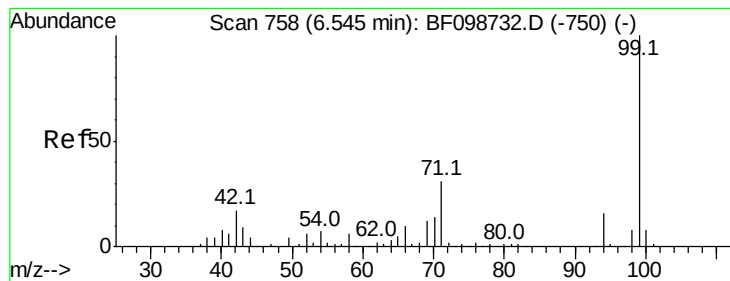
2-Fluorophenol  
Concen: 96.660 ng  
RT: 5.54 min Scan# 587  
Delta R.T. -0.00 min  
Lab File: BF098896.D  
Acq: 28 Sep 2017 8:07

Tgt Ion:112 Resp: 906972  
Ion Ratio Lower Upper  
112 100  
64 54.0 47.9 71.9  
63 27.6 23.7 35.5



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: 108.640 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098896.D

Acq: 28 Sep 2017 8:07

Instrument :

BNA\_F

ClientSampled :

B-5

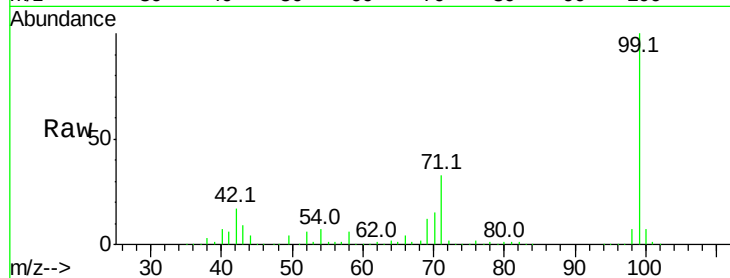
Tot Ion: 99 Resp: 1257519

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

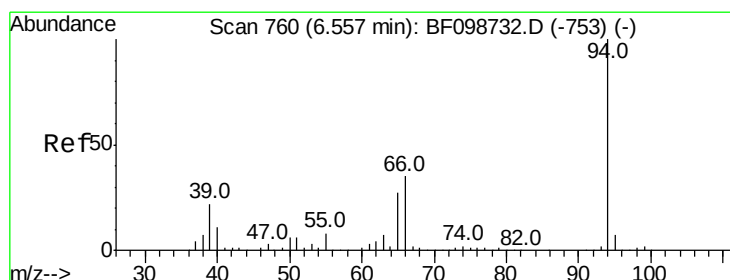
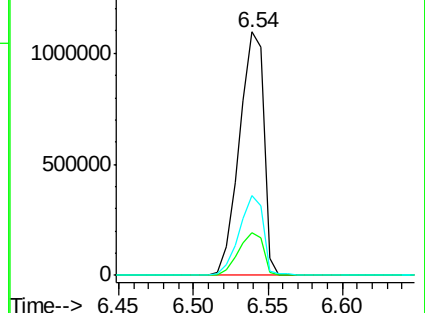
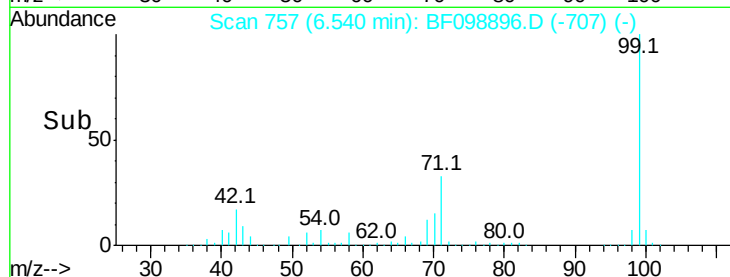
71 32.6 25.4 38.0



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: 2.044 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098896.D

Acq: 28 Sep 2017 8:07

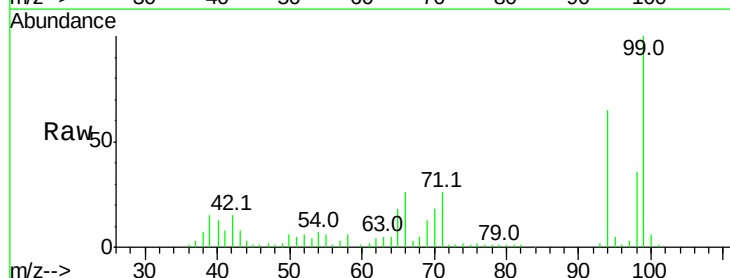
Tgt Ion: 94 Resp: 26461

Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

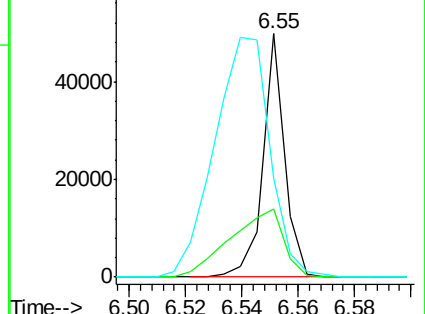
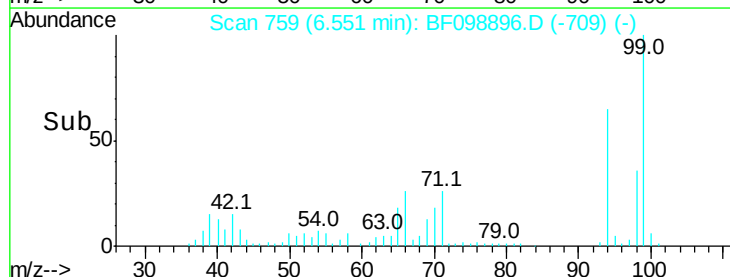
66 40.6 16.2 56.2

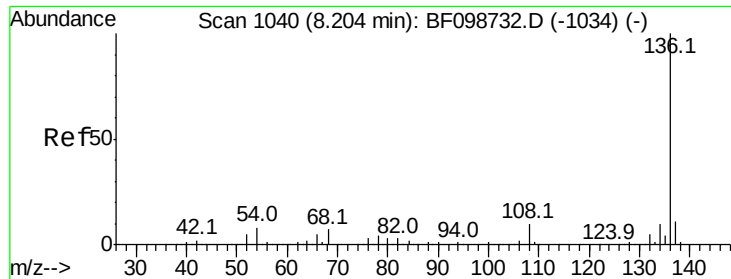


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

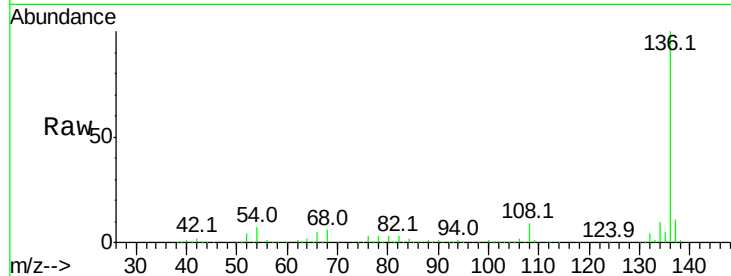




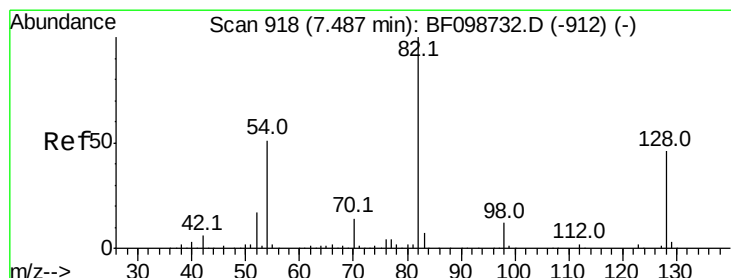
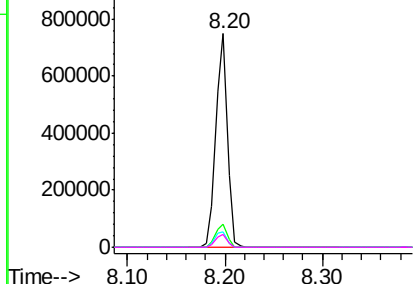
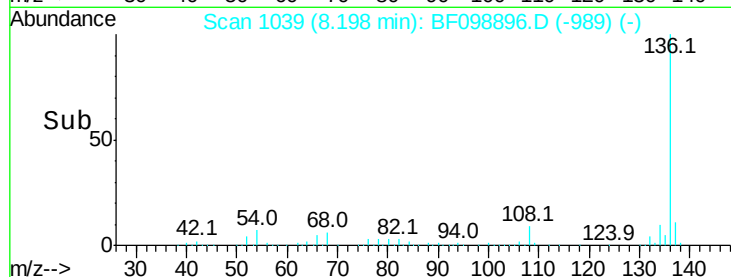
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF098896.D  
Acq: 28 Sep 2017 8:07

Instrument :  
BNA\_F  
ClientSampled :  
B-5

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 614928 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.9   | 13.3   |
| 54       | 7.4   | 6.6   | 9.8    |
| 68       | 5.8   | 5.0   | 7.4    |

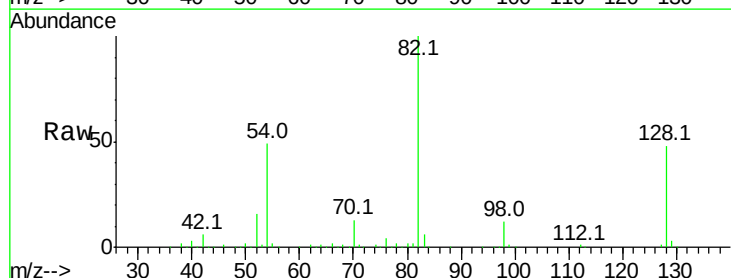


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

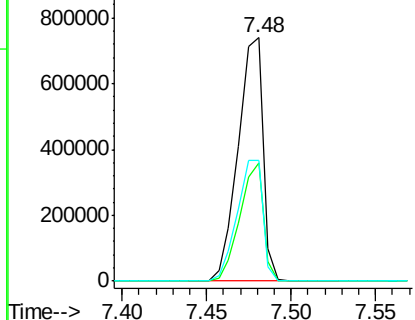
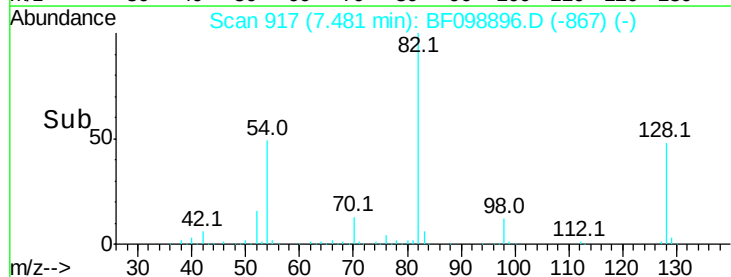


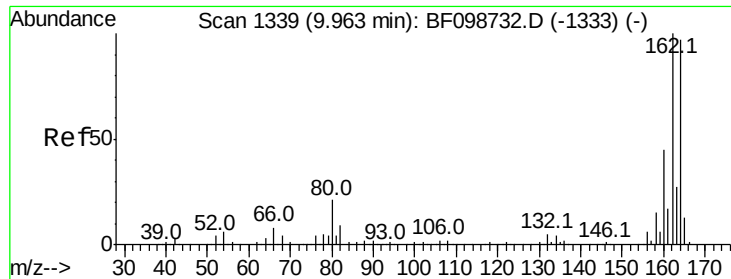
#23  
Nitrobenzene-d5  
Concen: 79.779 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: BF098896.D  
Acq: 28 Sep 2017 8:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 764983 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 48.4  | 36.1  | 54.1   |
| 54       | 49.4  | 41.4  | 62.2   |



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

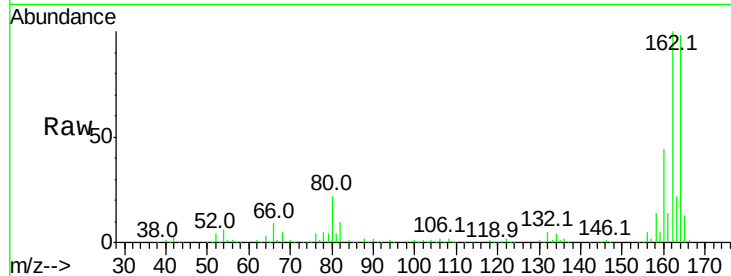




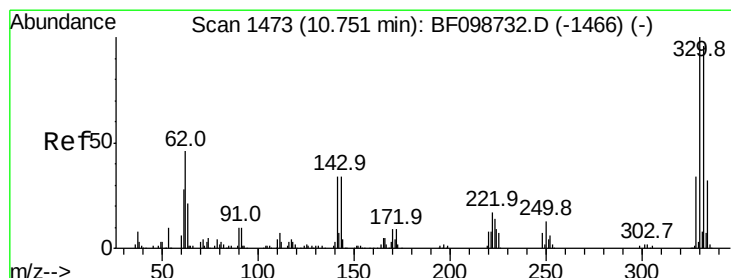
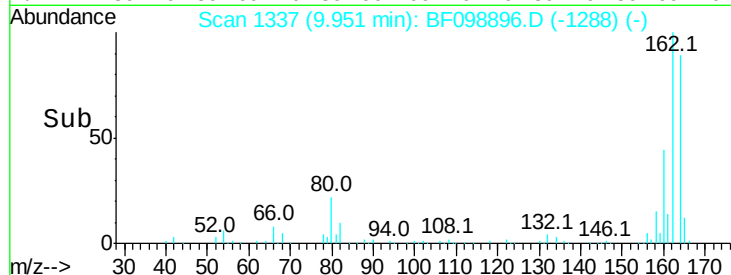
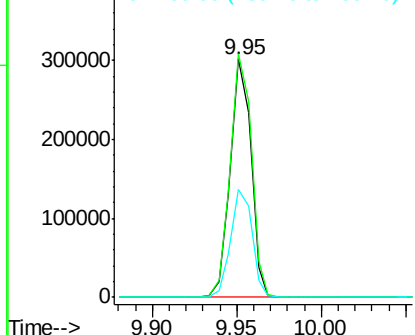
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. -0.01 min  
 Lab File: BF098896.D  
 Acq: 28 Sep 2017 8:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 86.1  | 129.1 |
| 160     | 45.0  | 38.3  | 57.5  |

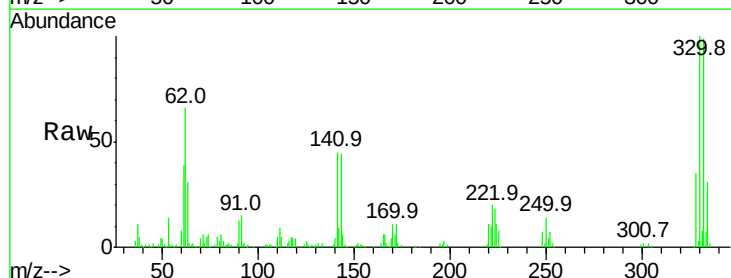


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

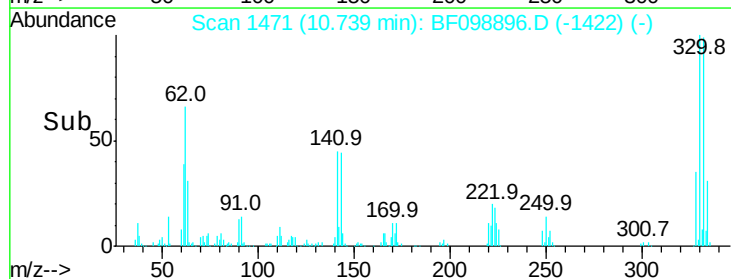
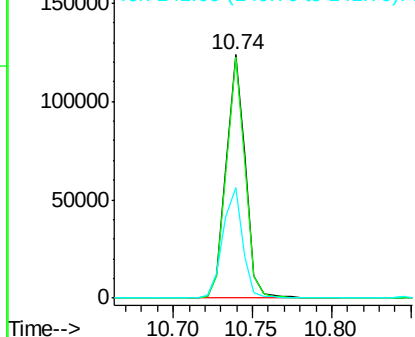


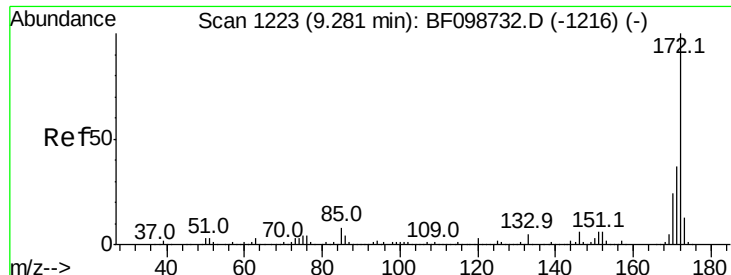
#41  
 2,4,6-Tribromophenol  
 Concen: 49.081 ng  
 RT: 10.74 min Scan# 1471  
 Delta R.T. -0.01 min  
 Lab File: BF098896.D  
 Acq: 28 Sep 2017 8:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.0  | 115.6 |
| 141     | 47.2  | 29.9  | 44.9# |



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



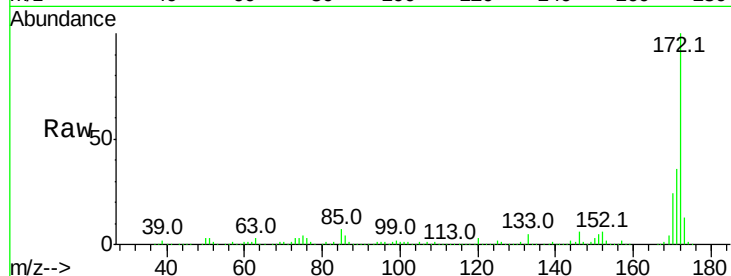


#44  
 2-Fluorobiphenyl  
 Concen: 83.573 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. -0.01 min  
 Lab File: BF098896.D  
 Acq: 28 Sep 2017 8:07

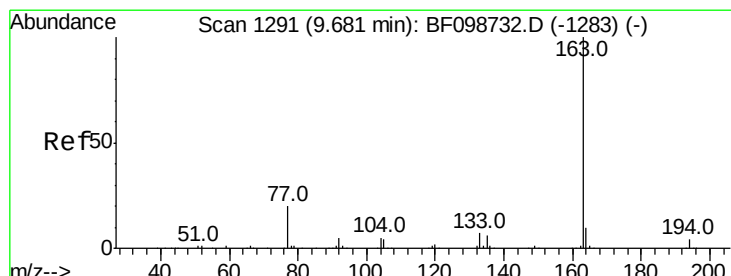
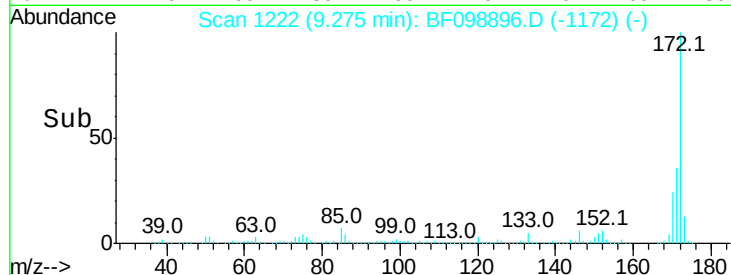
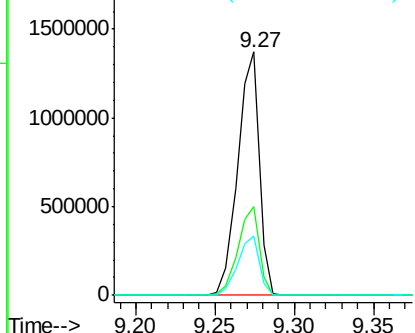
Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tot Ion:172 Resp: 1287054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.7  | 44.5  |
| 170 | 24.1  | 19.6  | 29.4  |



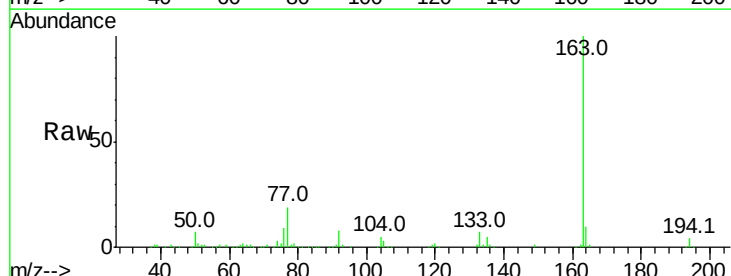
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



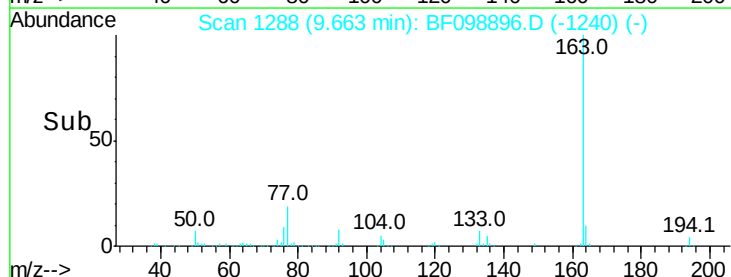
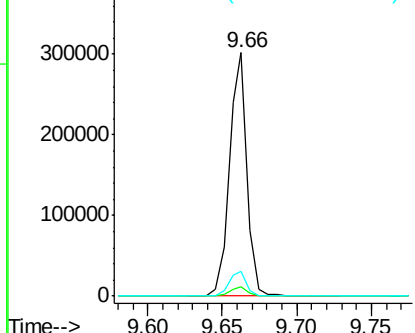
#49  
 Dimethylphthalate  
 Concen: 12.883 ng  
 RT: 9.66 min Scan# 1288  
 Delta R.T. -0.02 min  
 Lab File: BF098896.D  
 Acq: 28 Sep 2017 8:07

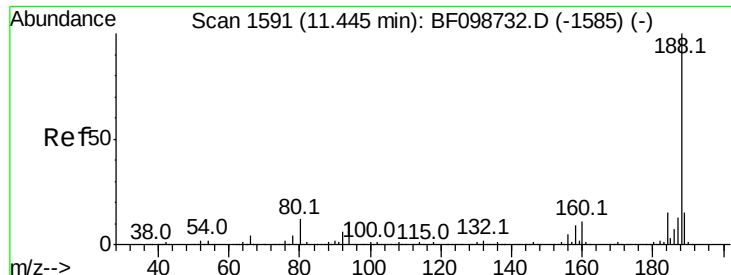
Tgt Ion:163 Resp: 249989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.6   | 2.7   | 4.1   |
| 164 | 10.1  | 8.2   | 12.2  |



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

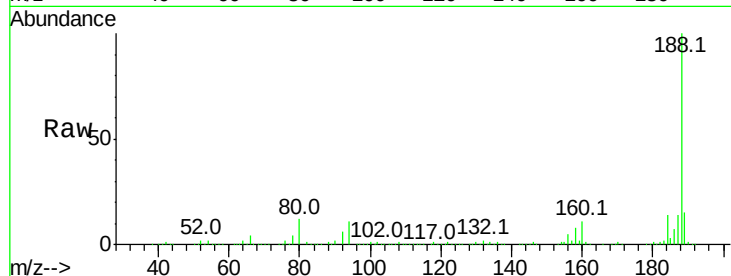




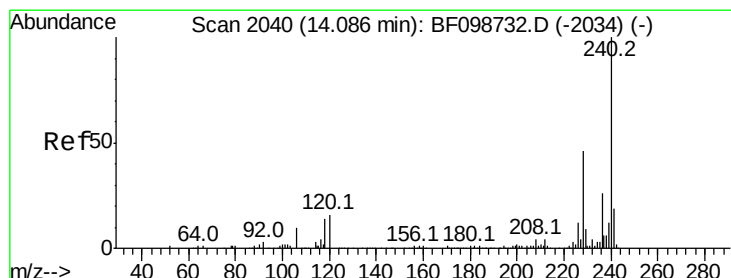
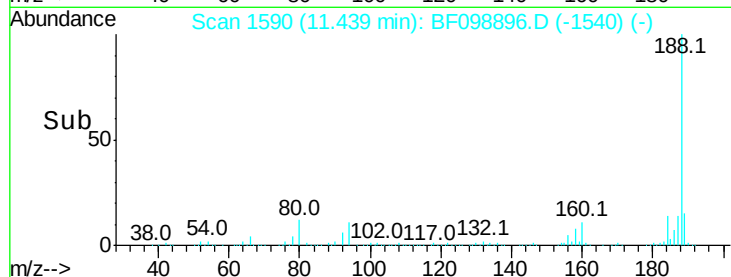
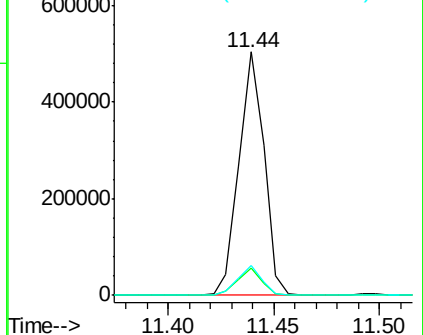
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.44 min Scan# 1590  
Delta R.T. -0.01 min  
Lab File: BF098896.D  
Acq: 28 Sep 2017 8:07

Instrument :  
BNA\_F  
ClientSampleId :  
B-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.3  | 8.5   | 12.7  |
| 80      | 12.2  | 9.2   | 13.8  |

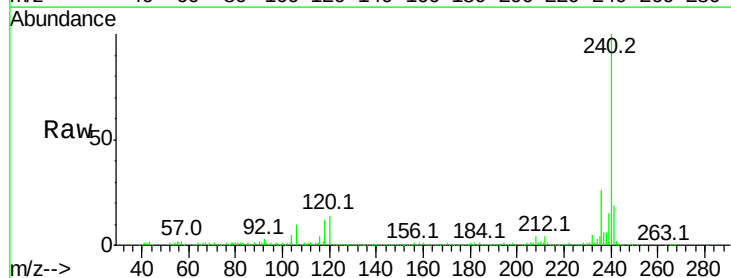


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

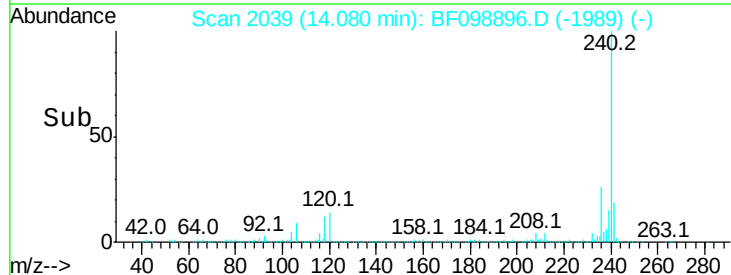
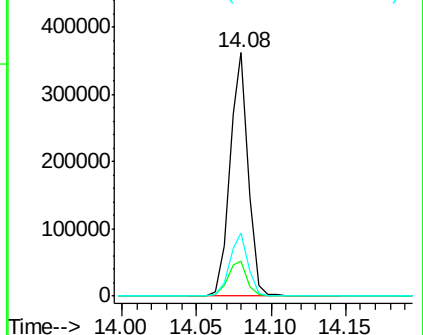


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.08 min Scan# 2039  
Delta R.T. -0.01 min  
Lab File: BF098896.D  
Acq: 28 Sep 2017 8:07

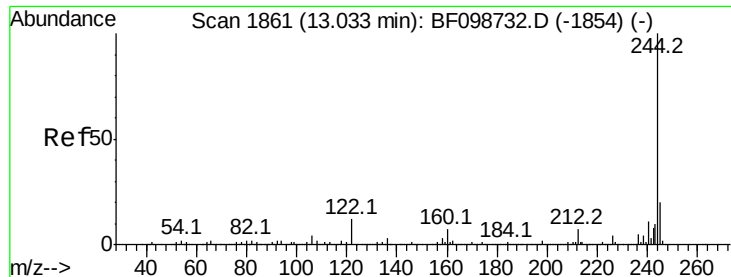
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.1  | 9.5   | 14.3  |
| 236     | 25.7  | 20.7  | 31.1  |



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: 73.905 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098896.D

Acq: 28 Sep 2017 8:07

Instrument :

BNA\_F

ClientSampled :

B-5

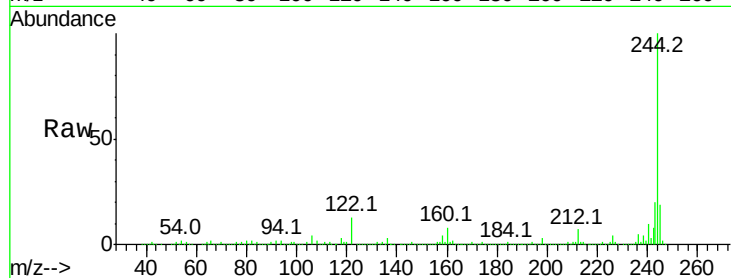
Tot Ion:244 Resp: 1019497

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

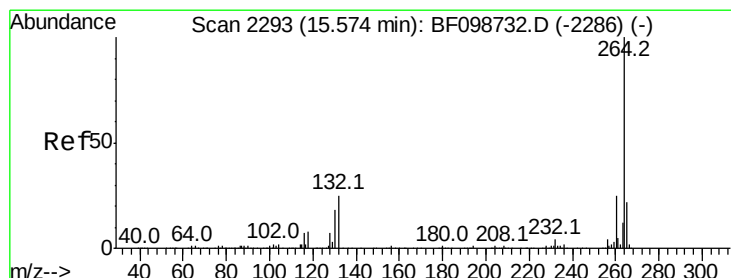
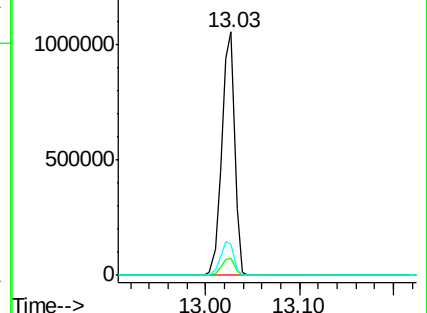
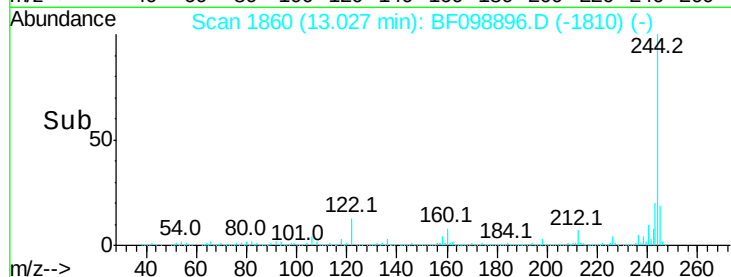
122 12.9 11.0 16.4



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: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BF098896.D

Acq: 28 Sep 2017 8:07

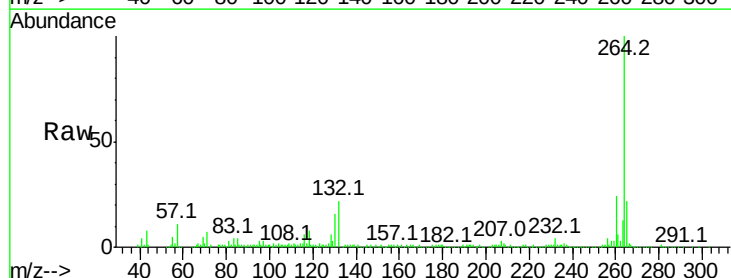
Tgt Ion:264 Resp: 219825

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.7 17.5 26.3



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

