

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\  
 Data File : BF097096.D  
 Acq On : 27 Jul 2017 00:56  
 Operator : SJ/JU  
 Sample : I4359-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CEMETERY-1-(0-2)

Quant Time: Jul 27 09:11:49 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

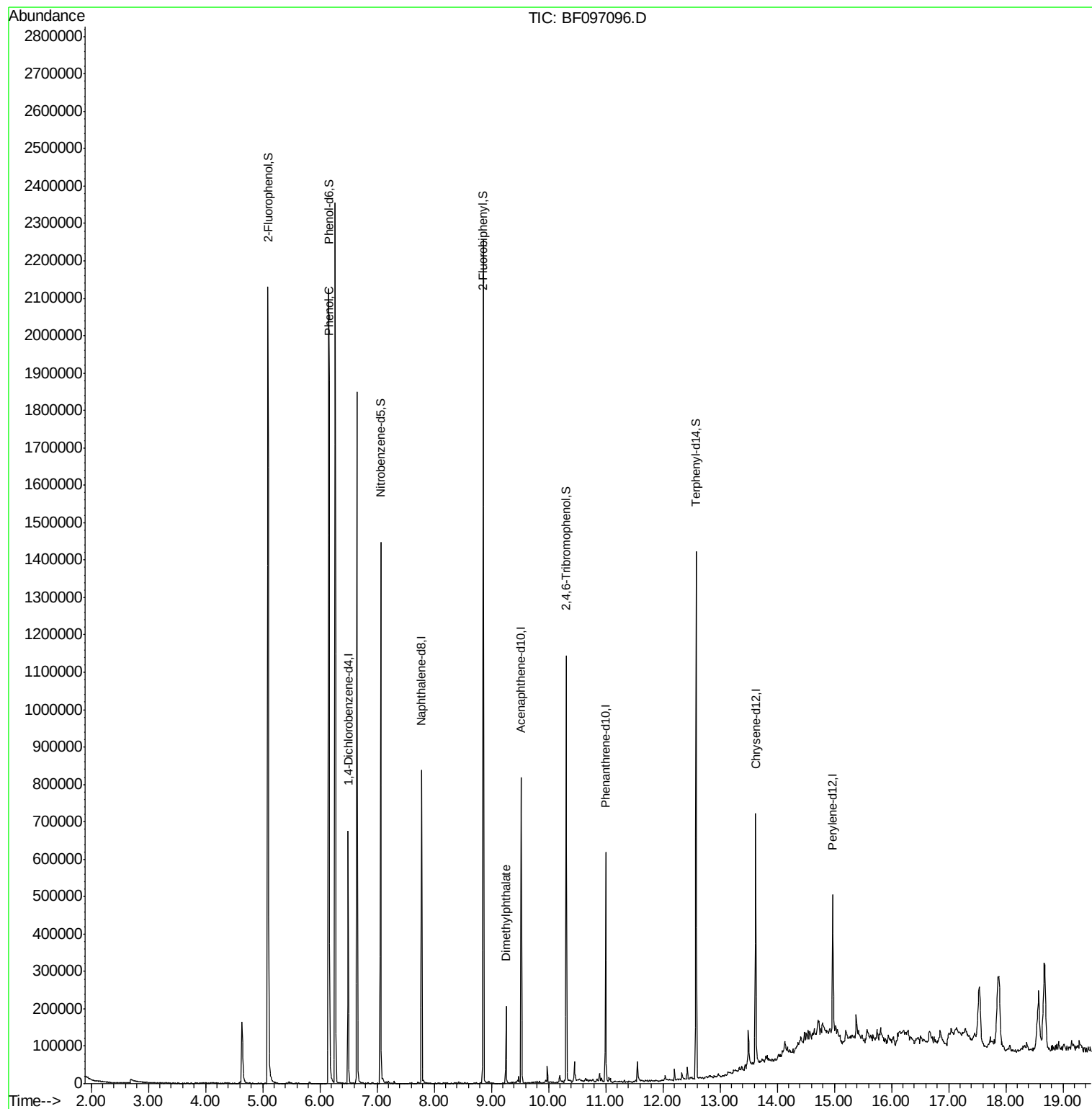
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.49  | 152  | 102034   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.78  | 136  | 381584   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.52  | 164  | 157433   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.00 | 188  | 205049   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.62 | 240  | 205548   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 14.97 | 264  | 142606   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 635797   | 93.94  | ng    | 0.00     |
| 7) Phenol-d6                | 6.16  | 99   | 792840   | 102.61 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.06  | 82   | 419646   | 64.52  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.31 | 330  | 115595   | 92.93  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.86  | 172  | 691959   | 74.59  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.59 | 244  | 445357   | 44.18  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.17  | 94   | 26536    | 2.895  | ng    | 94       |
| 49) Dimethylphthalate       | 9.26  | 163  | 81106    | 6.784  | ng    | 99       |

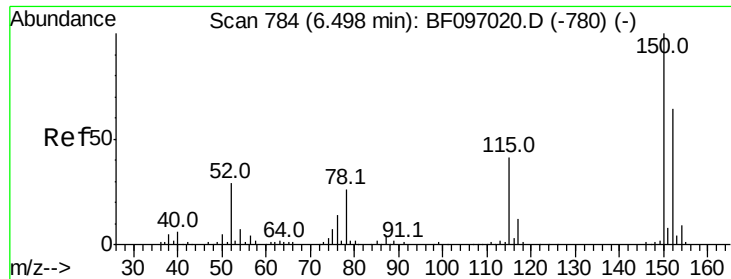
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CEMETERY-1-(0-2)

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Response via : Initial Calibration



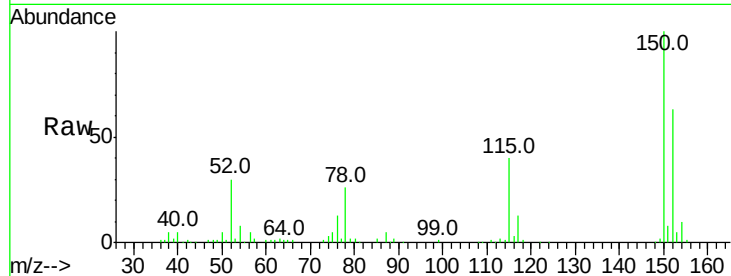


#1

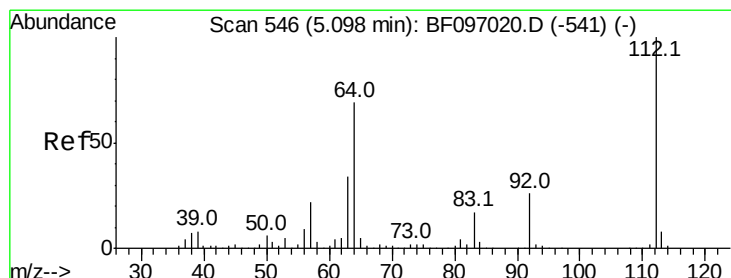
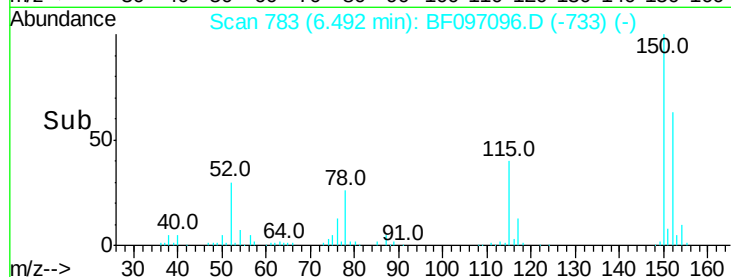
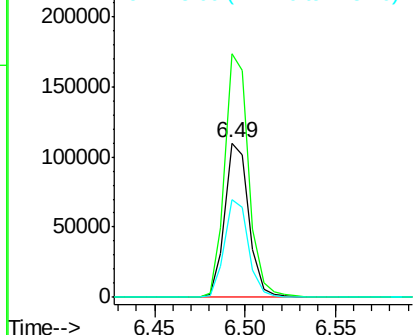
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.49 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: BF097096.D  
Acq: 27 Jul 2017 00:56

Instrument :  
BNA\_F  
ClientSampleId :  
CEMETERY-1-(0-2)

Tot Ion:152 Resp: 102034  
Ion Ratio Lower Upper  
152 100  
150 158.1 126.2 189.2  
115 63.1 52.2 78.2



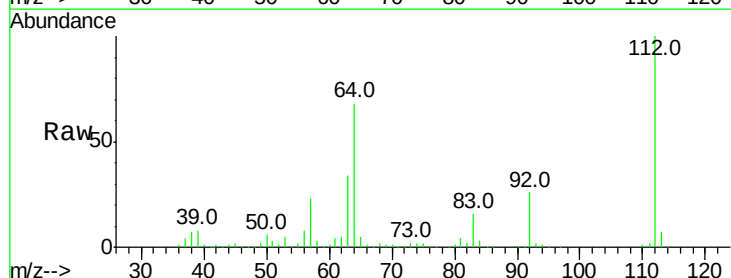
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



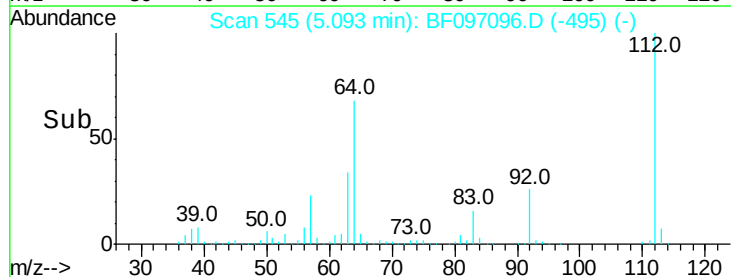
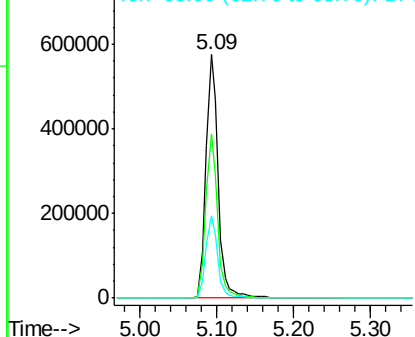
#5

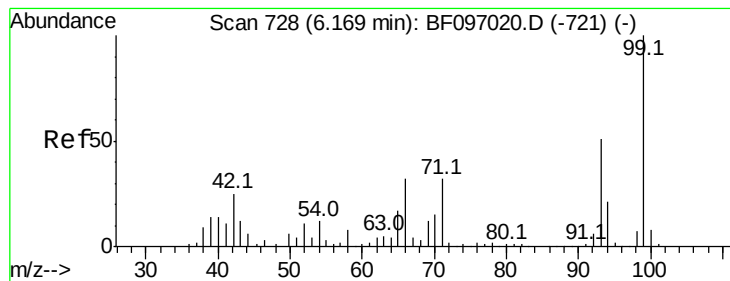
2-Fluorophenol  
Concen: 93.935 ng  
RT: 5.09 min Scan# 545  
Delta R.T. -0.01 min  
Lab File: BF097096.D  
Acq: 27 Jul 2017 00:56

Tgt Ion:112 Resp: 635797  
Ion Ratio Lower Upper  
112 100  
64 67.7 46.0 69.0  
63 33.7 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: 102.606 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097096.D

Acq: 27 Jul 2017 00:56

Instrument :

BNA\_F

ClientSampleId :

CEMETERY-1-(0-2)

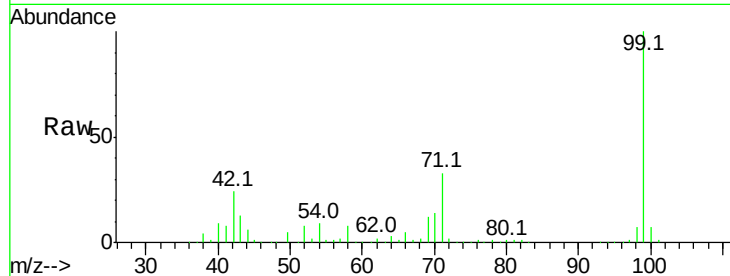
Tot Ion: 99 Resp: 792840

Ion Ratio Lower Upper

99 100

42 23.9 13.5 20.3#

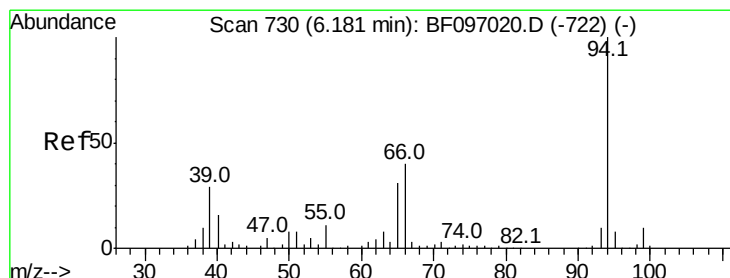
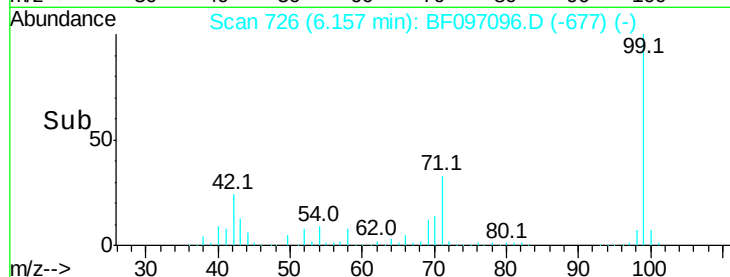
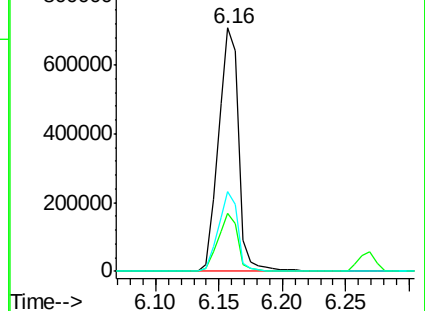
71 32.8 24.5 36.7



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: 2.895 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097096.D

Acq: 27 Jul 2017 00:56

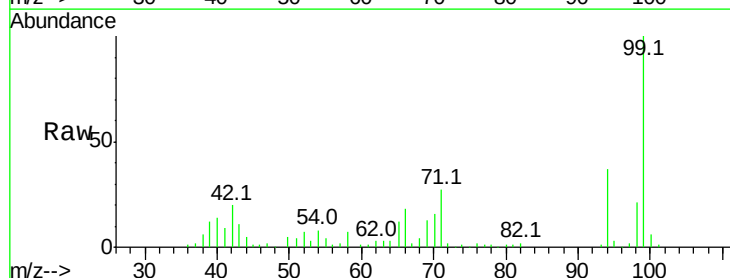
Tgt Ion: 94 Resp: 26536

Ion Ratio Lower Upper

94 100

65 33.2 9.9 49.9

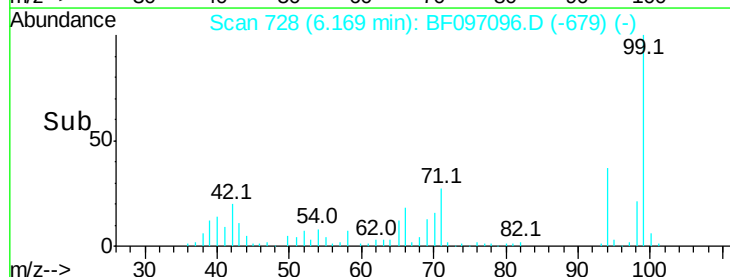
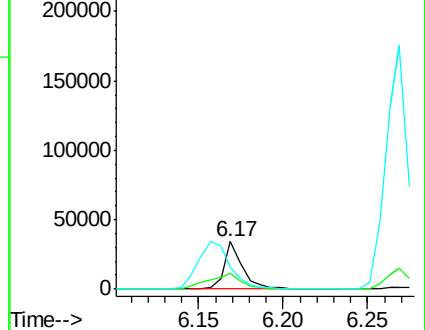
66 47.3 23.1 63.1

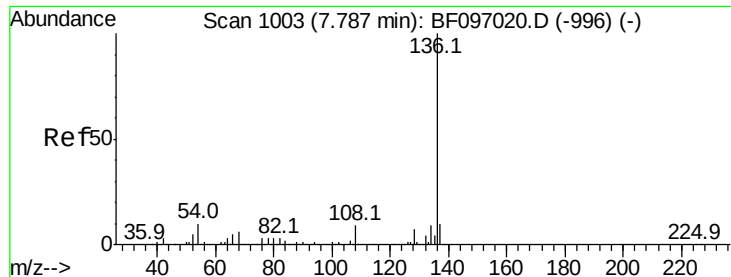


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

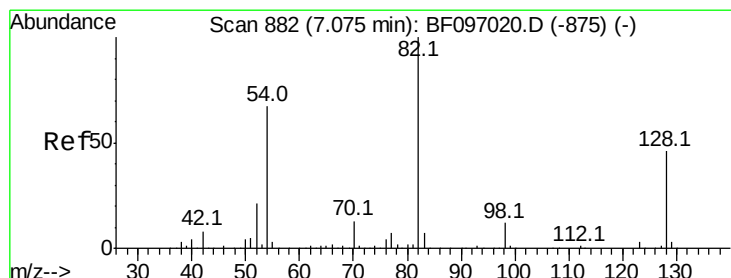
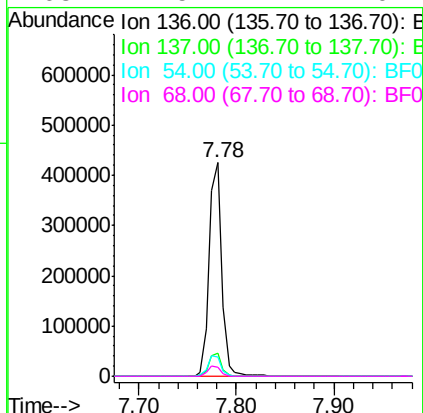
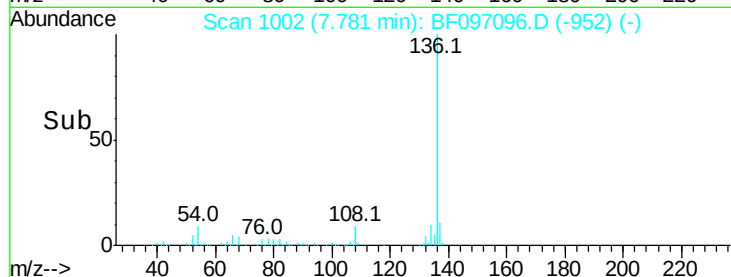
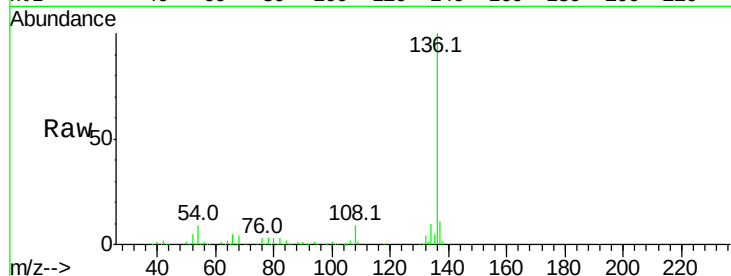




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.78 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF097096.D  
Acq: 27 Jul 2017 00:56

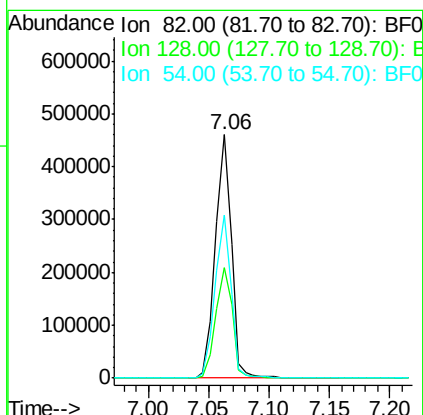
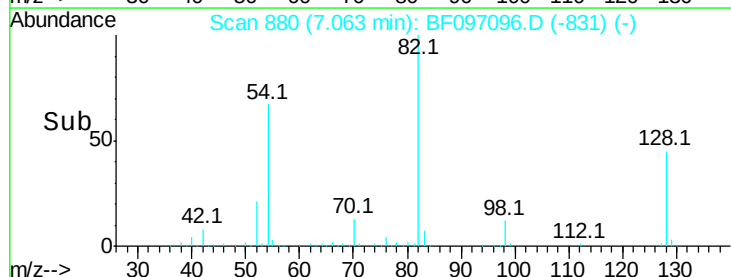
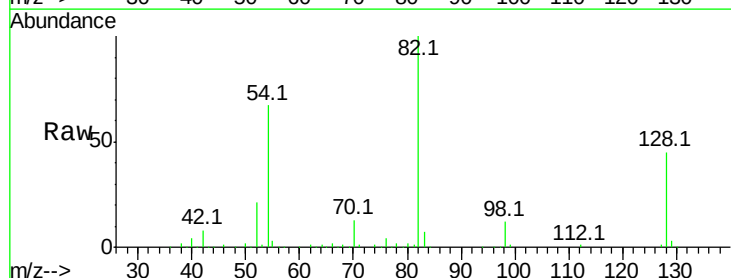
Instrument :  
BNA\_F  
ClientSampleId :  
CEMETERY-1-(0-2)

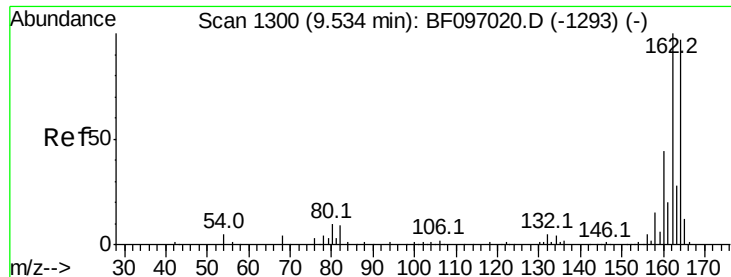
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 381584 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.5   | 12.7   |
| 54       | 9.2   | 4.9   | 7.3#   |
| 68       | 4.5   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 64.516 ng  
RT: 7.06 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF097096.D  
Acq: 27 Jul 2017 00:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 419646 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.3  | 34.0  | 51.0   |
| 54       | 66.8  | 42.2  | 63.2#  |

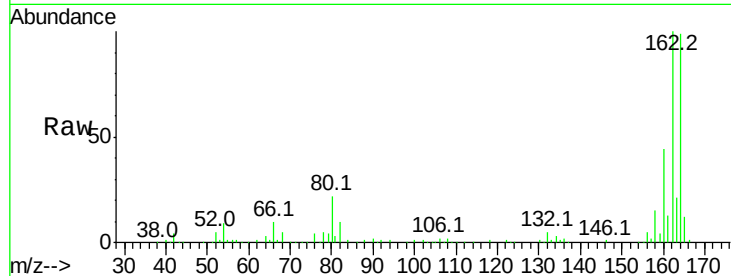




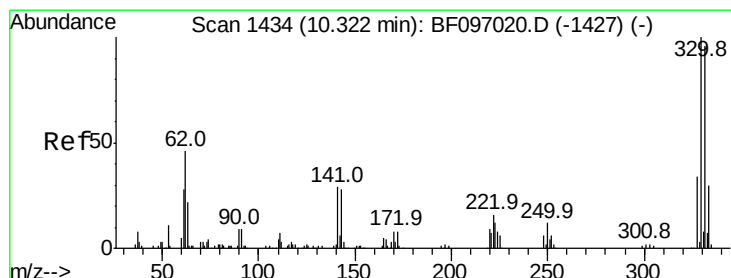
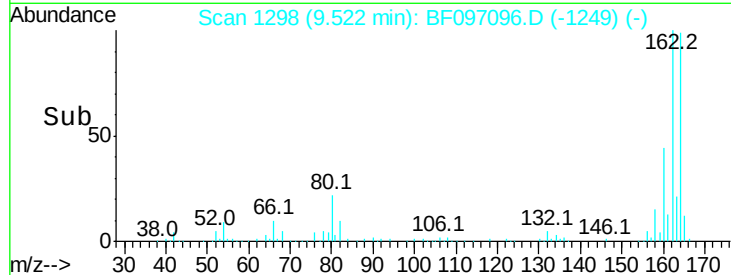
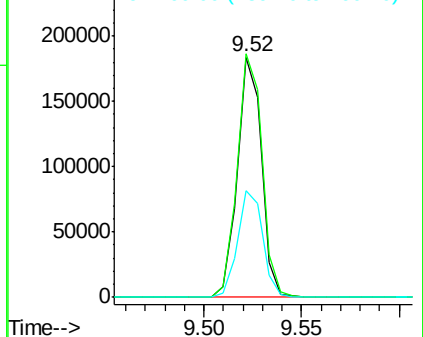
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.52 min Scan# 1298  
 Delta R.T. -0.01 min  
 Lab File: BF097096.D  
 Acq: 27 Jul 2017 00:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CEMETERY-1-(0-2)

Tot Ion:164 Resp: 157433  
 Ion Ratio Lower Upper  
 164 100  
 162 101.4 82.6 123.8  
 160 44.5 36.2 54.2

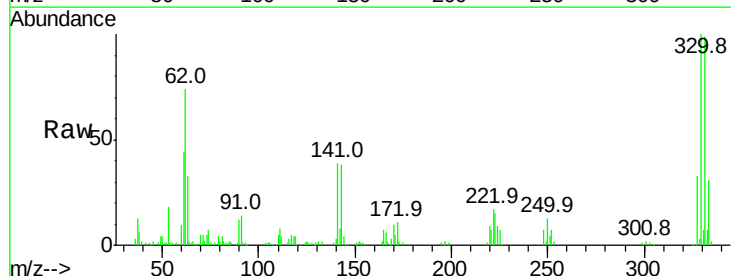


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

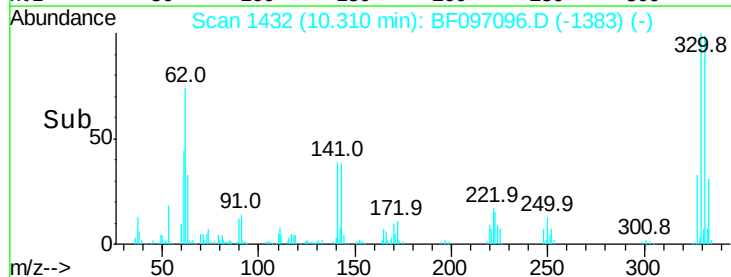
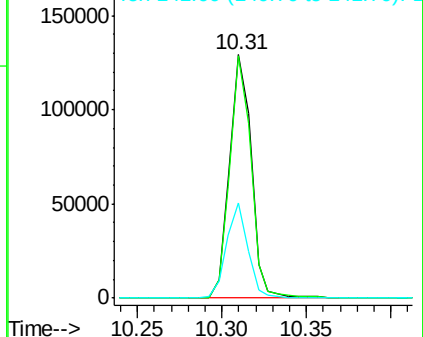


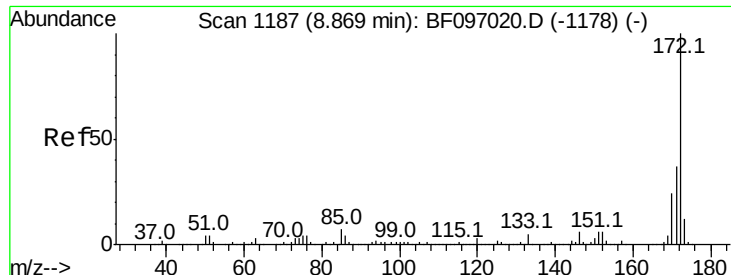
#41  
 2,4,6-Tribromophenol  
 Concen: 92.932 ng  
 RT: 10.31 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF097096.D  
 Acq: 27 Jul 2017 00:56

Tgt Ion:330 Resp: 115595  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 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

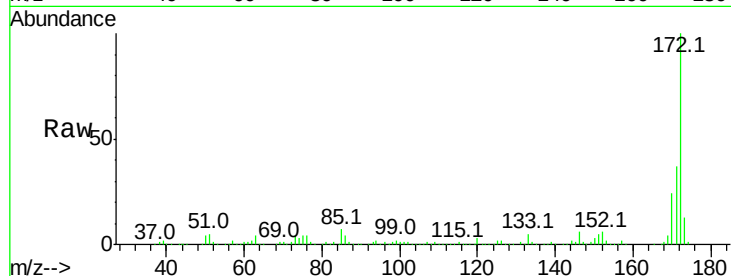




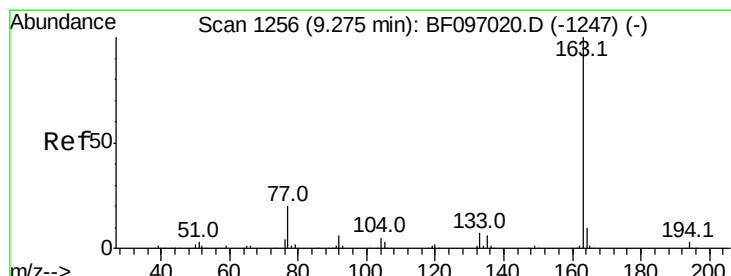
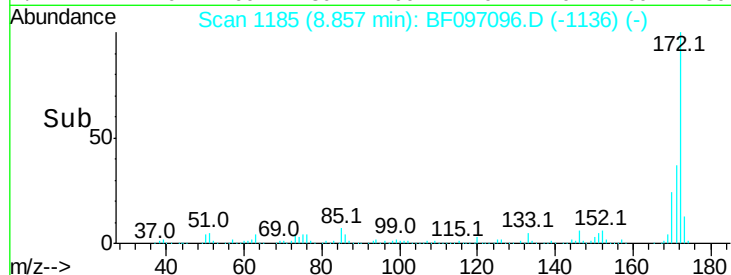
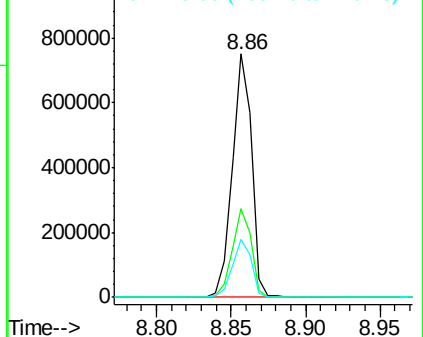
#44  
2-Fluorobiphenyl  
Concen: 74.592 ng  
RT: 8.86 min Scan# 1185  
Delta R.T. -0.01 min  
Lab File: BF097096.D  
Acq: 27 Jul 2017 00:56

Instrument :  
BNA\_F  
ClientSampleId :  
CEMETERY-1-(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.6  | 44.4  |
| 170     | 24.0  | 19.8  | 29.8  |

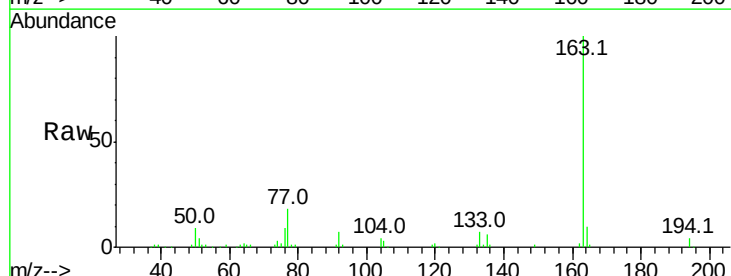


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

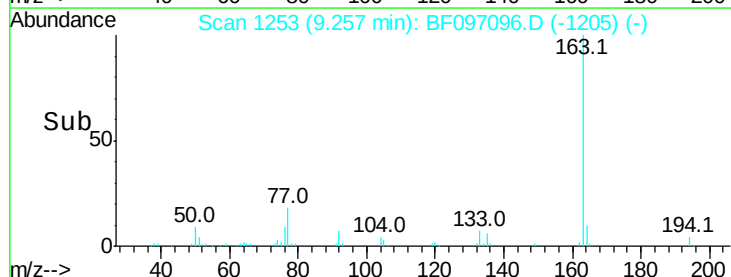
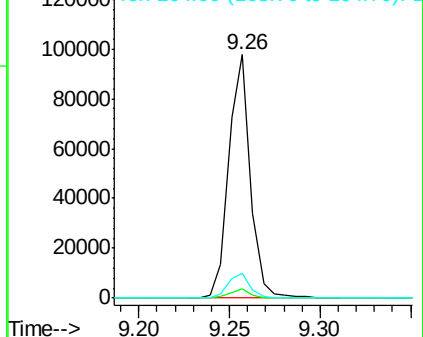


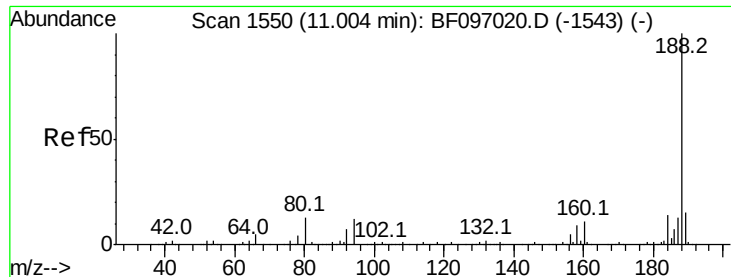
#49  
Dimethylphthalate  
Concen: 6.784 ng  
RT: 9.26 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF097096.D  
Acq: 27 Jul 2017 00:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 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

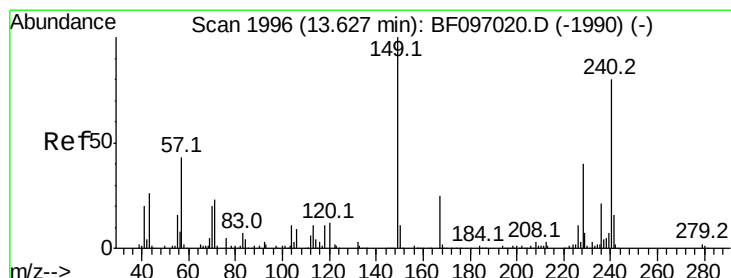
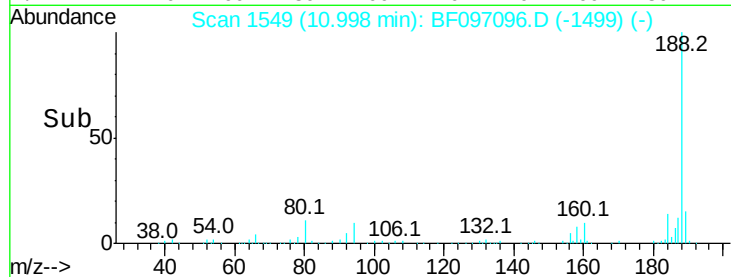
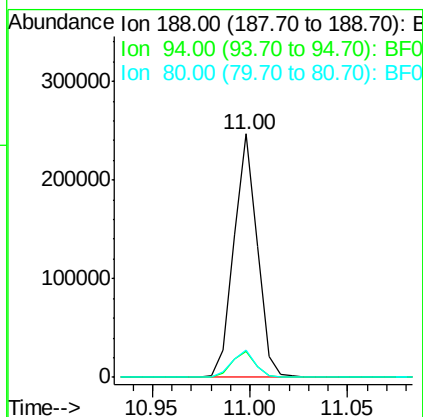
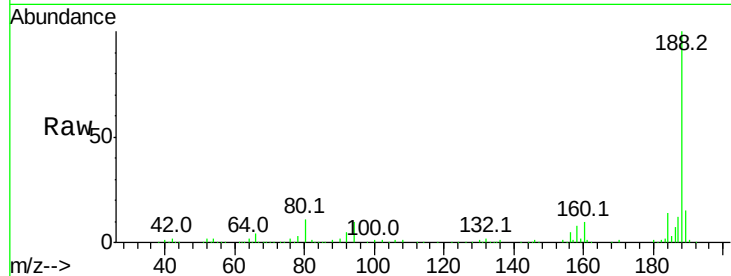




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.00 min Scan# 1549  
 Delta R.T. -0.01 min  
 Lab File: BF097096.D  
 Acq: 27 Jul 2017 00:56

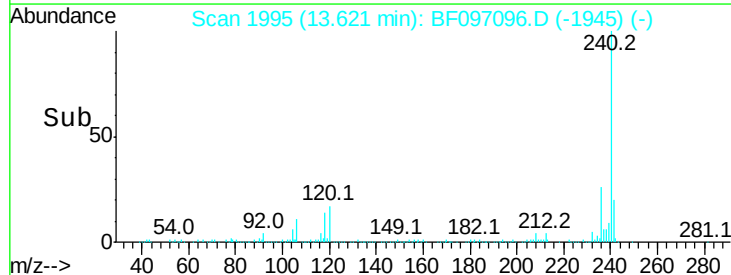
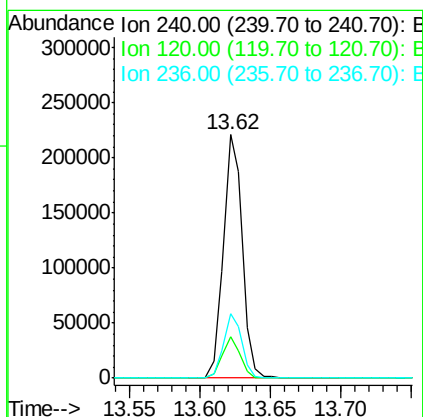
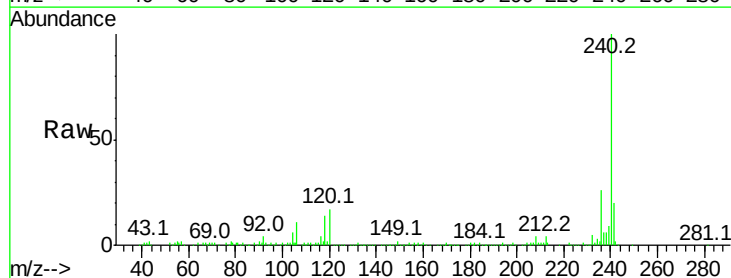
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CEMETERY-1-(0-2)

Tot Ion:188 Resp: 205049  
 Ion Ratio Lower Upper  
 188 100  
 94 10.5 9.4 14.2  
 80 11.4 10.2 15.2

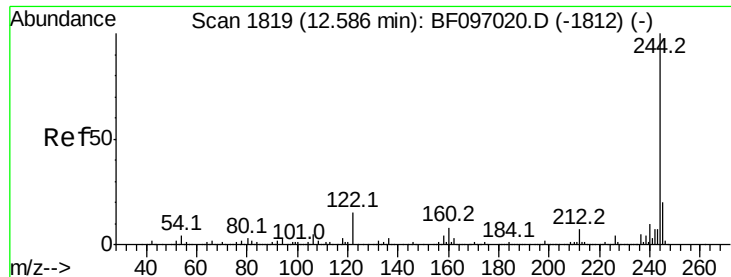


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.62 min Scan# 1995  
 Delta R.T. -0.01 min  
 Lab File: BF097096.D  
 Acq: 27 Jul 2017 00:56

Tgt Ion:240 Resp: 205548  
 Ion Ratio Lower Upper  
 240 100  
 120 17.2 5.8 8.8#  
 236 26.3 20.5 30.7







#78

Terphenyl-d14

Concen: 44.175 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097096.D

Acq: 27 Jul 2017 00:56

Instrument :

BNA\_F

ClientSampleId :

CEMETERY-1-(0-2)

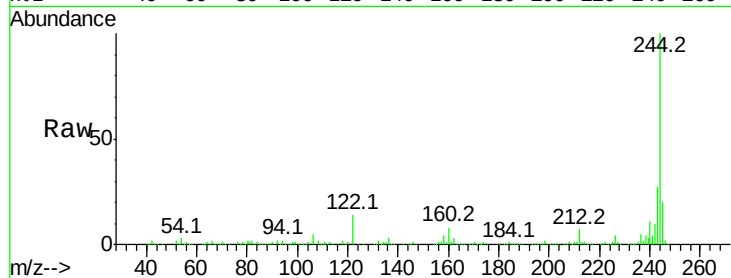
Tot Ion:244 Resp: 445357

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

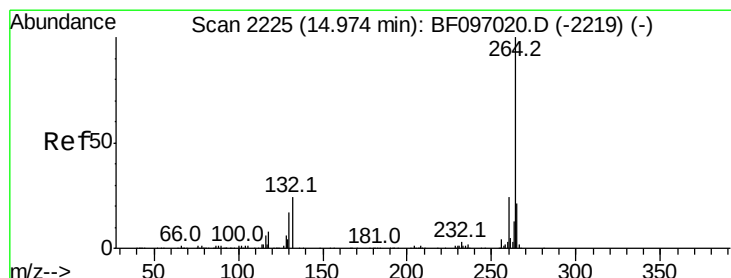
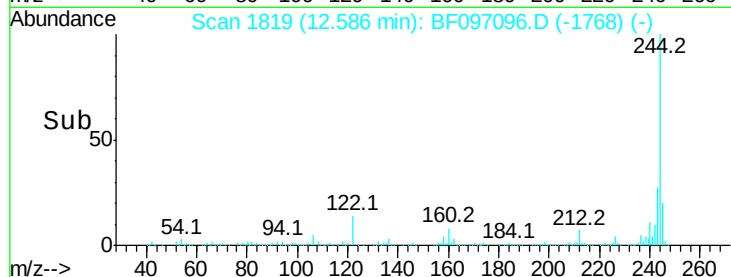
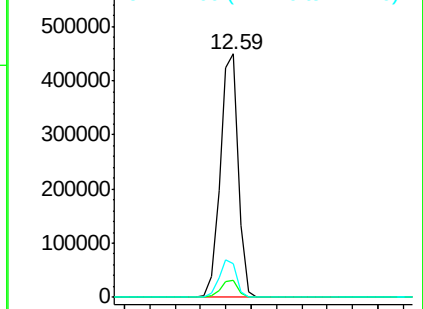
122 13.8 10.3 15.5



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: 20.000 ng

RT: 14.97 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF097096.D

Acq: 27 Jul 2017 00:56

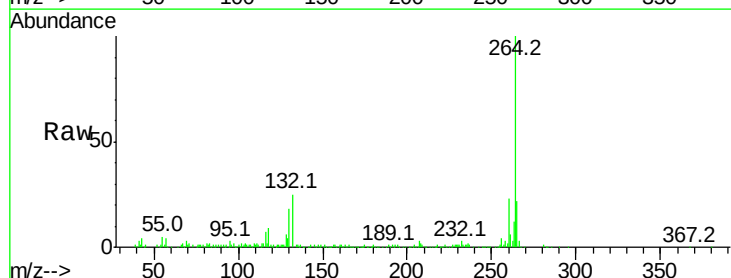
Tgt Ion:264 Resp: 142606

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 22.1 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

