

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082117\  
 Data File : BF097946.D  
 Acq On : 22 Aug 2017 10:50  
 Operator : SJ/JU  
 Sample : I4900-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTROL-HOUSE-RAMP

Quant Time: Aug 22 12:08:46 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

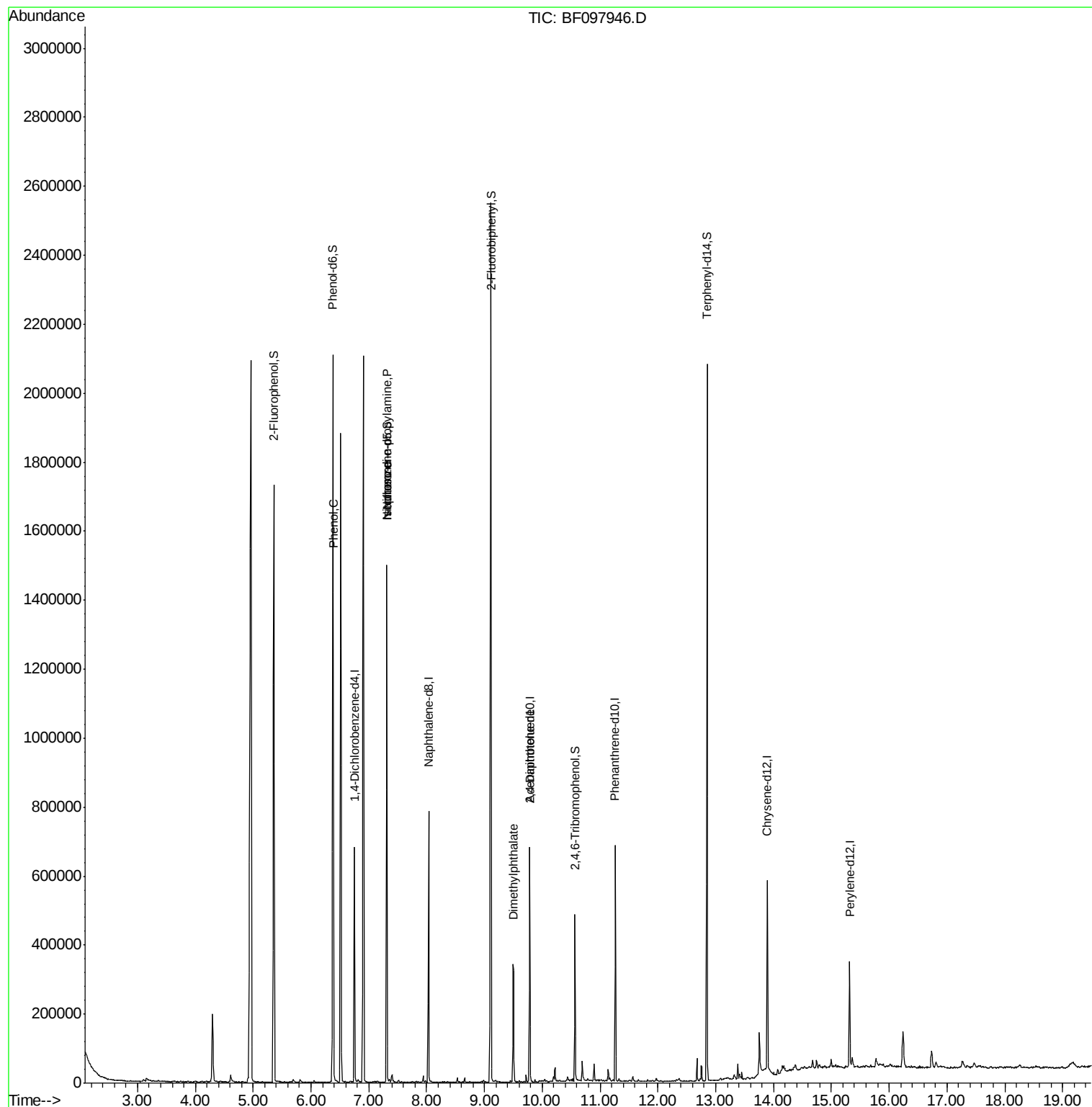
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 95725    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.03  | 136  | 343371   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.78  | 164  | 127532   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.26 | 188  | 218186   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.90 | 240  | 185891   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.32 | 264  | 120134   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 441536   | 70.16  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.38  | 99   | 773494   | 90.46  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 530984   | 84.01  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 47720    | 43.13  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.11  | 172  | 742326   | 85.52  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.85 | 244  | 577501   | 64.78  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.39  | 94   | 29917    | 2.992  | ng    | 99       |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 71890    | 12.282 | ng    | # 73     |
| 25) Isophorone                 | 7.31  | 82   | 521866   | 39.707 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.50  | 163  | 126781   | 13.600 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 16147    | 6.914  | ng    | # 33     |

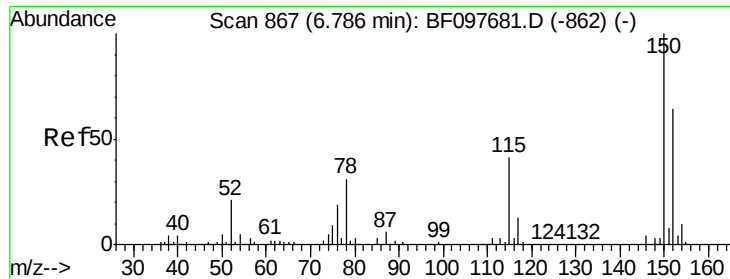
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082117\  
Data File : BF097946.D  
Acq On : 22 Aug 2017 10:50  
Operator : SJ/JU  
Sample : I4900-01  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CONTROL-HOUSE-RAMP

Quant Time: Aug 22 12:08:46 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 21 15:59:04 2017  
Response via : Initial Calibration



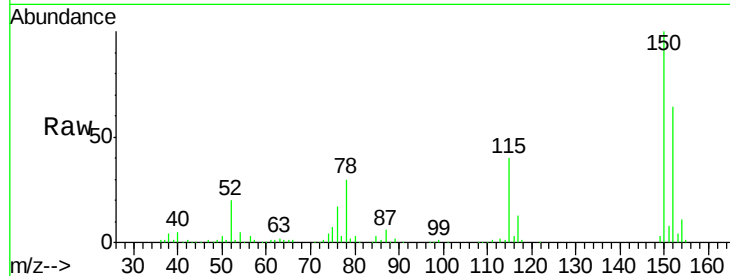


#1

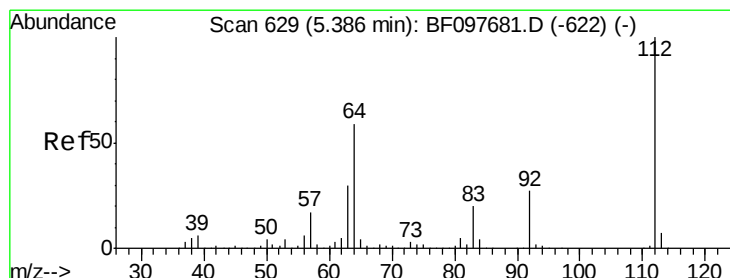
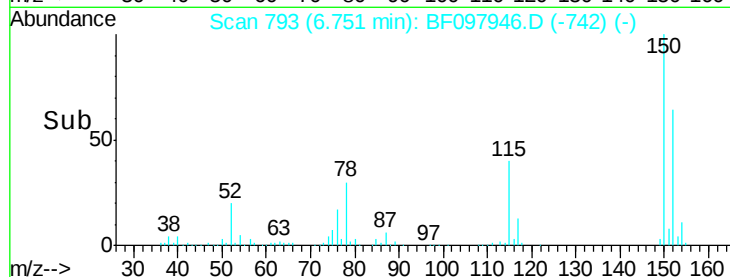
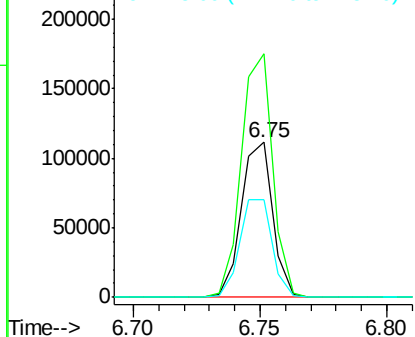
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BF097946.D  
Acq: 22 Aug 2017 10:50

Instrument :  
BNA\_F  
ClientSampleId :  
CONTROL-HOUSE-RAMP

Tgt Ion:152 Resp: 95725  
Ion Ratio Lower Upper  
152 100  
150 157.0 126.2 189.2  
115 63.3 52.2 78.2



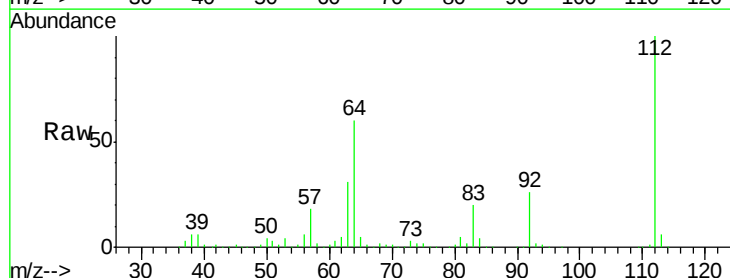
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



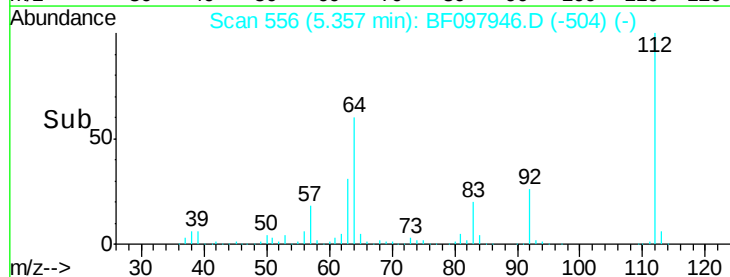
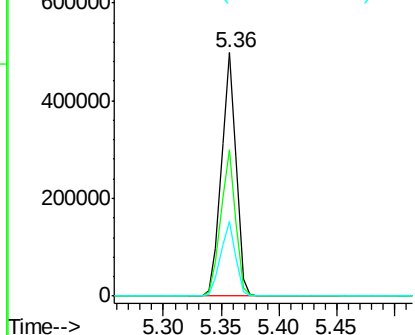
#5

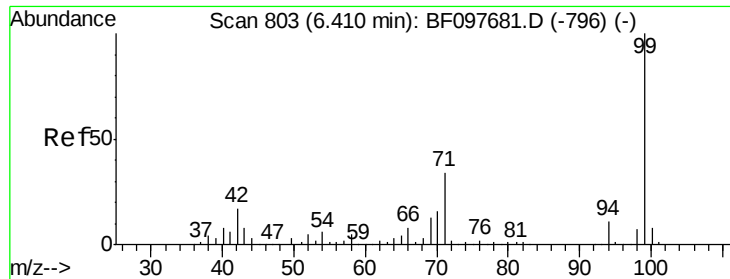
2-Fluorophenol  
Concen: 70.160 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF097946.D  
Acq: 22 Aug 2017 10:50

Tgt Ion:112 Resp: 441536  
Ion Ratio Lower Upper  
112 100  
64 59.9 46.0 69.0  
63 30.9 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: 90.459 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

Instrument :

BNA\_F

ClientSampleId :

CONTROL-HOUSE-RAMP

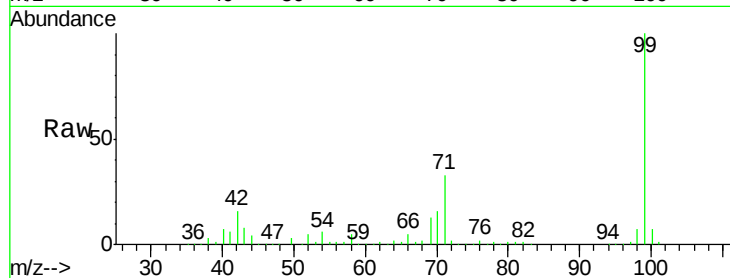
Tgt Ion: 99 Resp: 773494

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

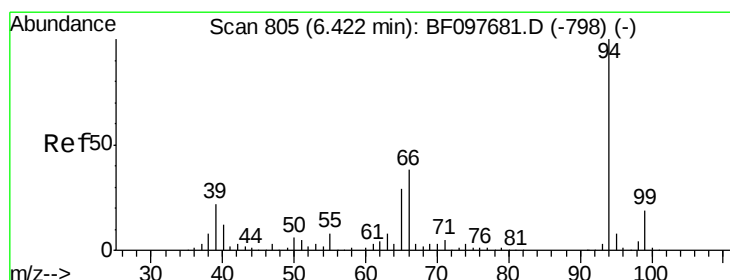
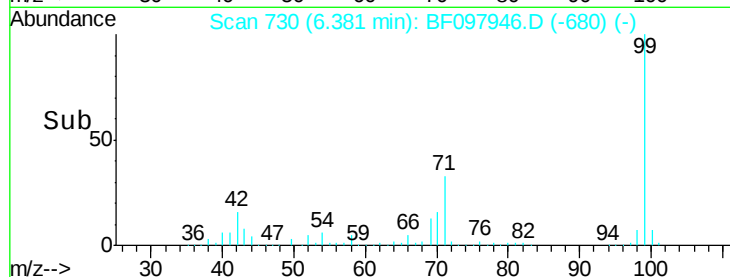
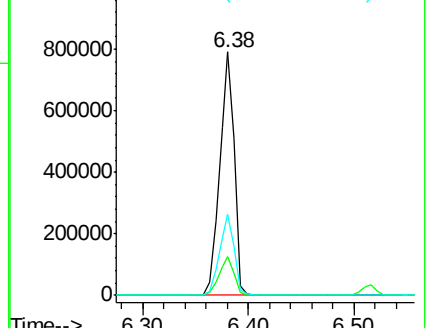
71 33.2 24.5 36.7



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: 2.992 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

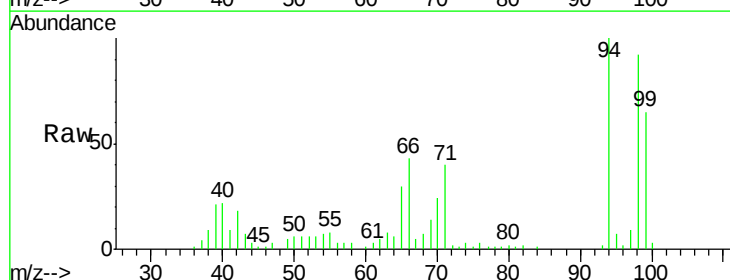
Tgt Ion: 94 Resp: 29917

Ion Ratio Lower Upper

94 100

65 29.6 9.9 49.9

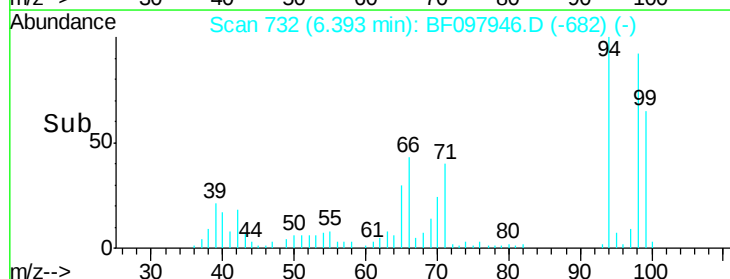
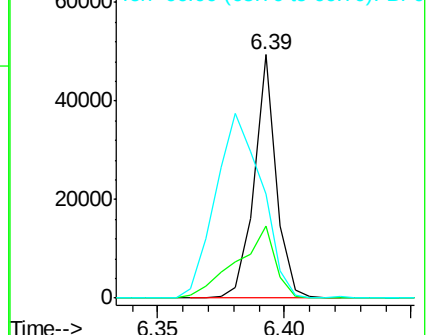
66 42.5 23.1 63.1

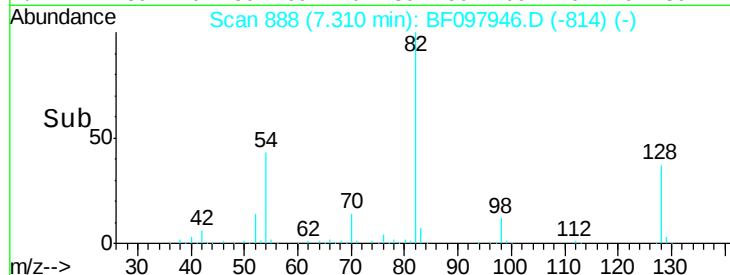
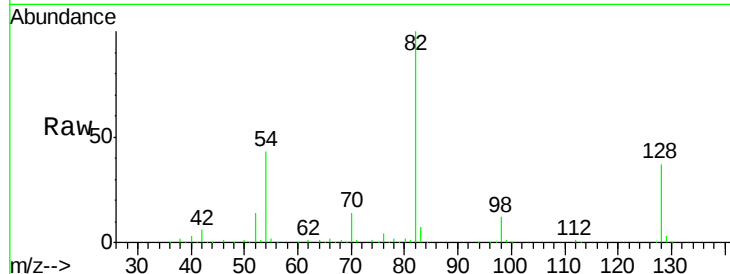
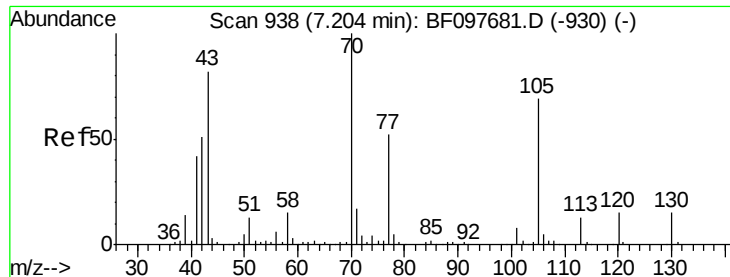


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

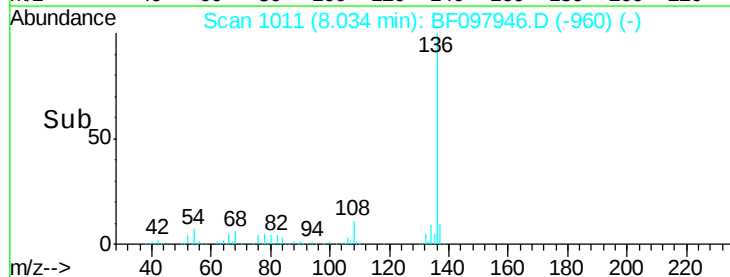
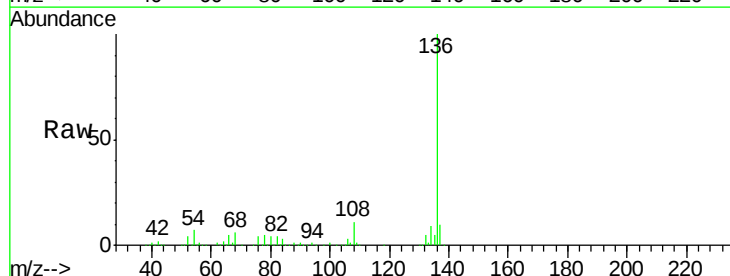
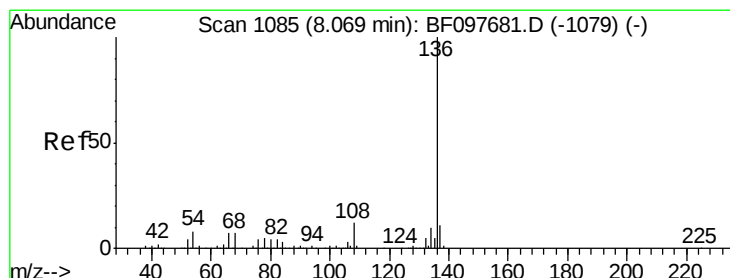
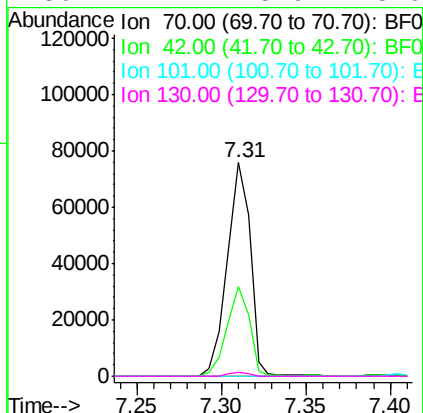




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.282 ng  
RT: 7.31 min Scan# 888  
Delta R.T. 0.14 min  
Lab File: BF097946.D  
Acq: 22 Aug 2017 10:50

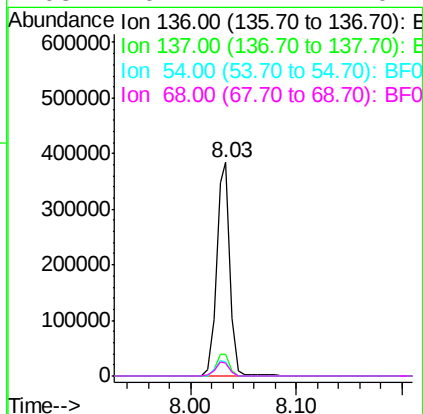
Instrument :  
BNA\_F  
ClientSampleId :  
CONTROL-HOUSE-RAMP

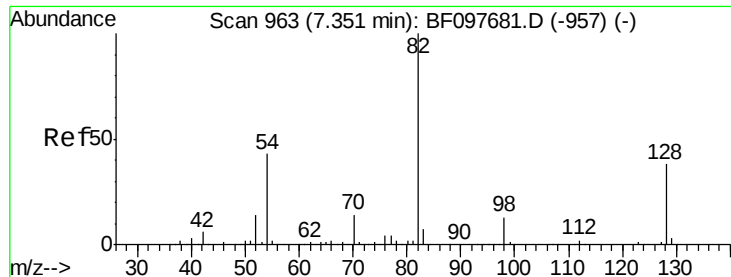
Tgt Ion: 70 Resp: 71890  
Ion Ratio Lower Upper  
70 100  
42 41.7 47.2 70.8#  
101 0.0 7.2 10.8#  
130 1.7 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BF097946.D  
Acq: 22 Aug 2017 10:50

Tgt Ion: 136 Resp: 343371  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.5 12.7  
54 6.8 4.9 7.3  
68 6.2 4.1 6.1#

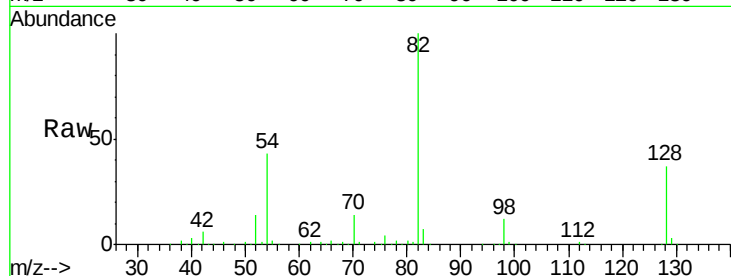




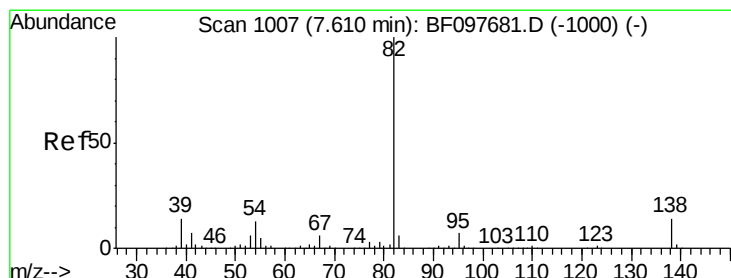
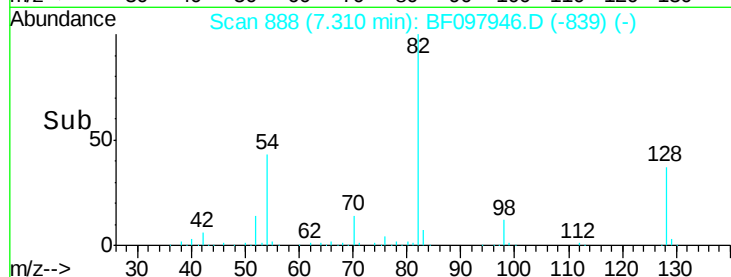
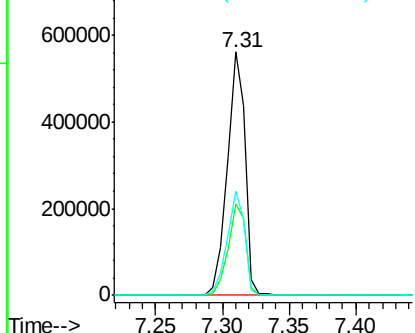
#23  
 Nitrobenzene-d5  
 Concen: 84.007 ng  
 RT: 7.31 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF097946.D  
 Acq: 22 Aug 2017 10:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTROL-HOUSE-RAMP

Tgt Ion: 82 Resp: 530984  
 Ion Ratio Lower Upper  
 82 100  
 128 37.3 34.0 51.0  
 54 42.9 42.2 63.2

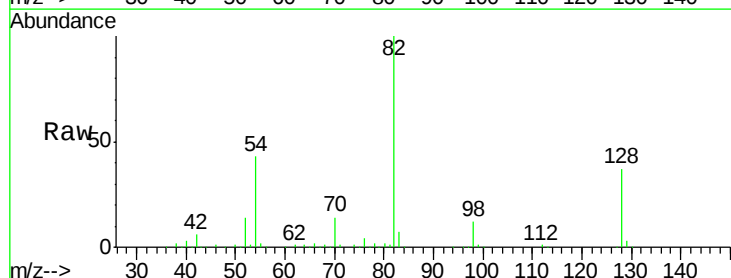


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

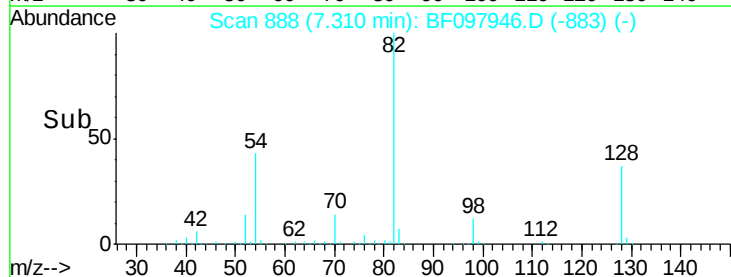
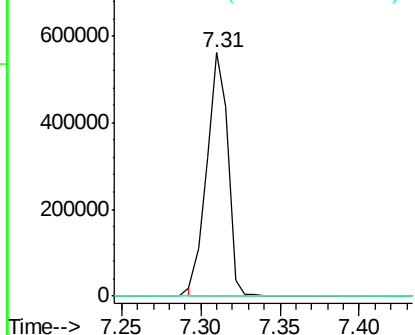


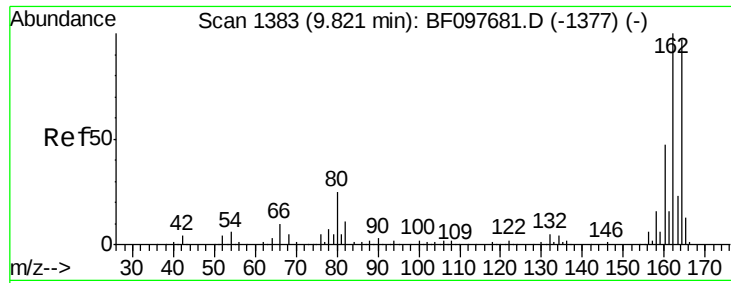
#25  
 Isophorone  
 Concen: 39.707 ng  
 RT: 7.31 min Scan# 888  
 Delta R.T. -0.27 min  
 Lab File: BF097946.D  
 Acq: 22 Aug 2017 10:50

Tgt Ion: 82 Resp: 521866  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

Instrument :

BNA\_F

ClientSampleId :

CONTROL-HOUSE-RAMP

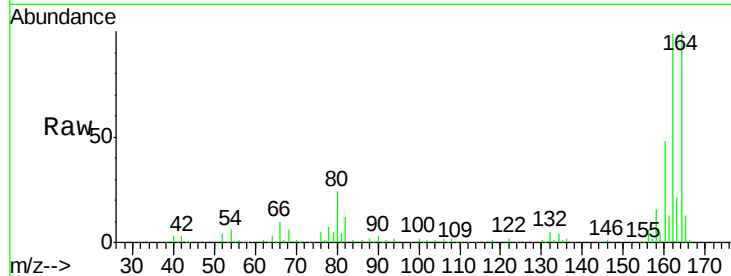
Tgt Ion:164 Resp: 127532

Ion Ratio Lower Upper

164 100

162 99.1 82.6 123.8

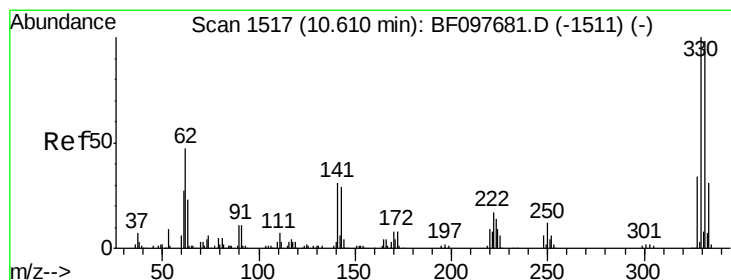
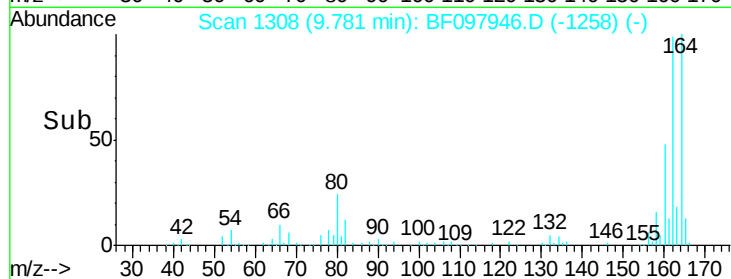
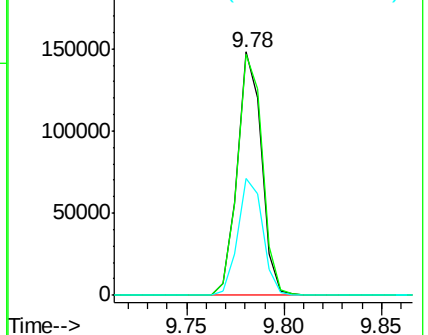
160 48.0 36.2 54.2



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: 43.125 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

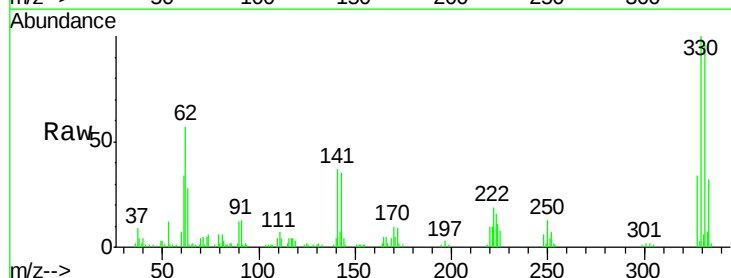
Tgt Ion:330 Resp: 47720

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

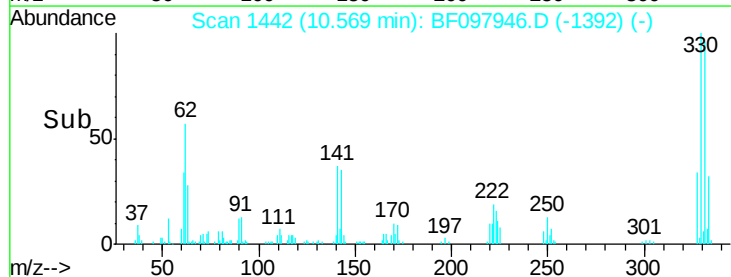
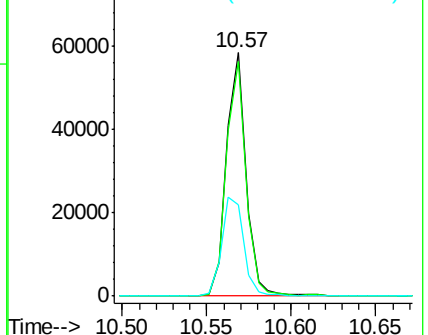
141 45.4 31.4 47.2

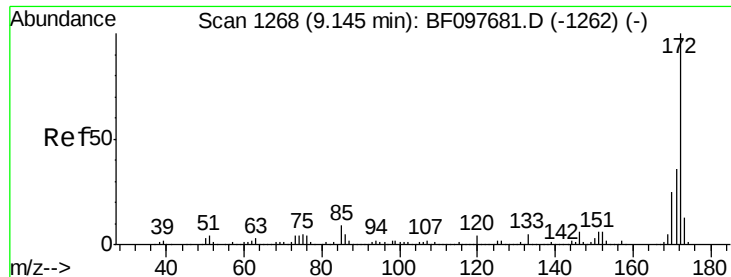


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

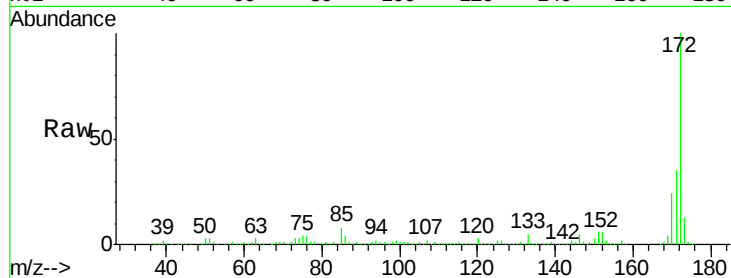




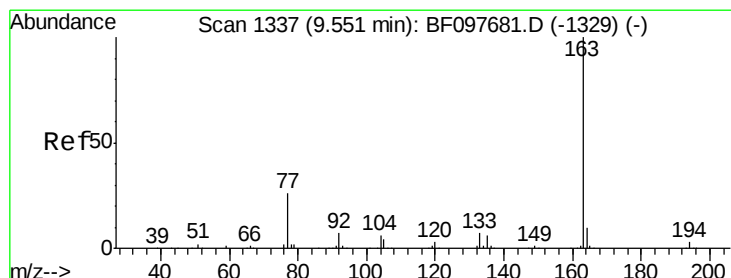
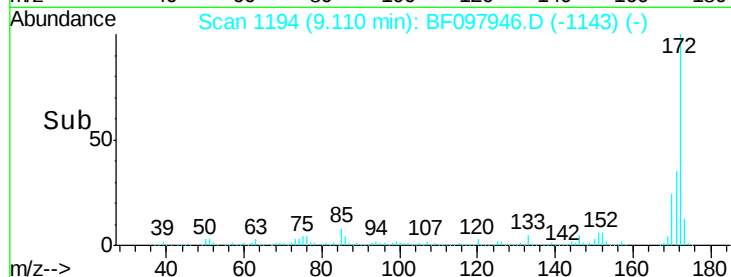
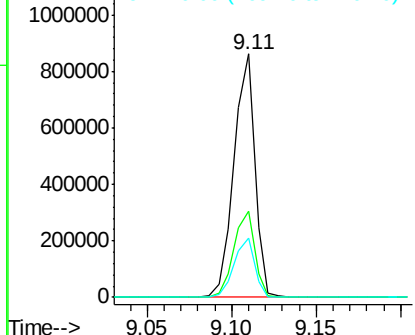
#44  
 2-Fluorobiphenyl  
 Concen: 85.518 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. 0.00 min  
 Lab File: BF097946.D  
 Acq: 22 Aug 2017 10:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTROL-HOUSE-RAMP

Tgt Ion:172 Resp: 742326  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.6 44.4  
 170 24.2 19.8 29.8

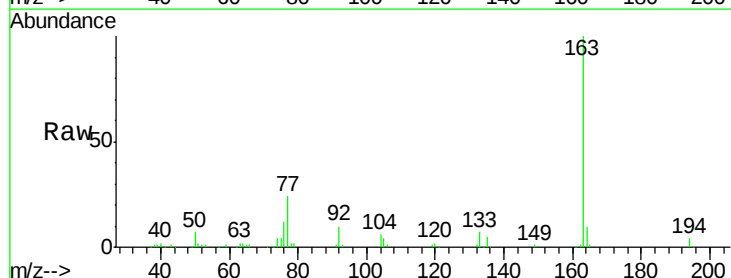


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

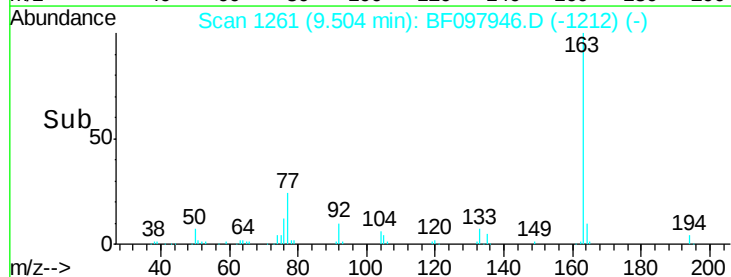
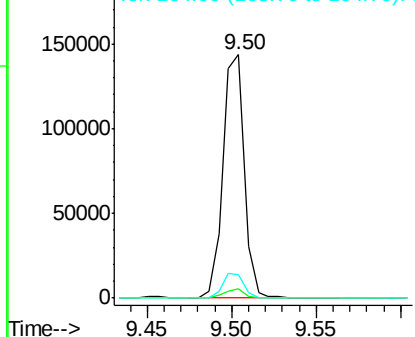


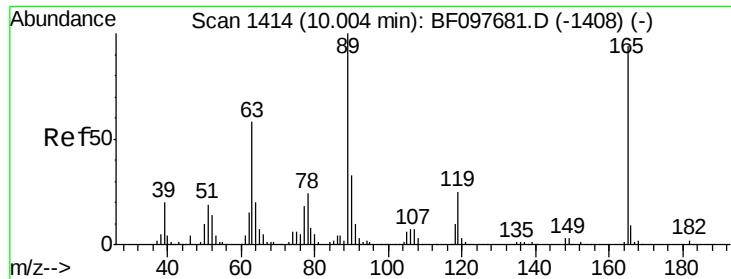
#49  
 Dimethylphthalate  
 Concen: 13.600 ng  
 RT: 9.50 min Scan# 1261  
 Delta R.T. -0.01 min  
 Lab File: BF097946.D  
 Acq: 22 Aug 2017 10:50

Tgt Ion:163 Resp: 126781  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 2.6 4.0  
 164 9.6 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

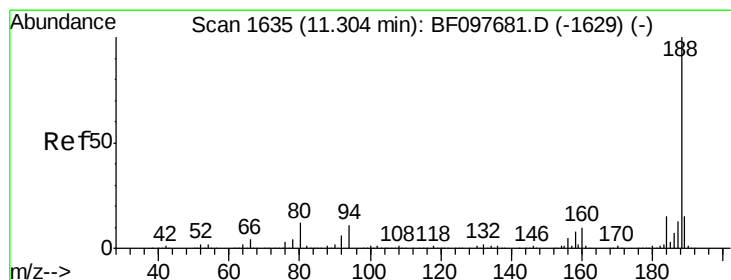
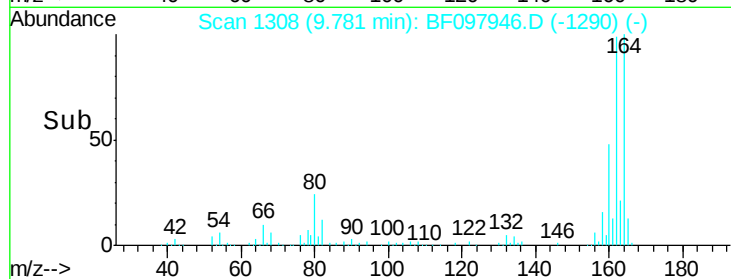
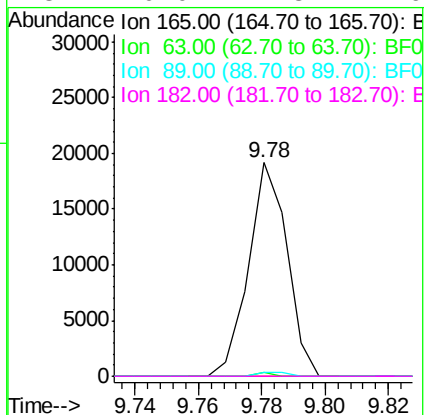
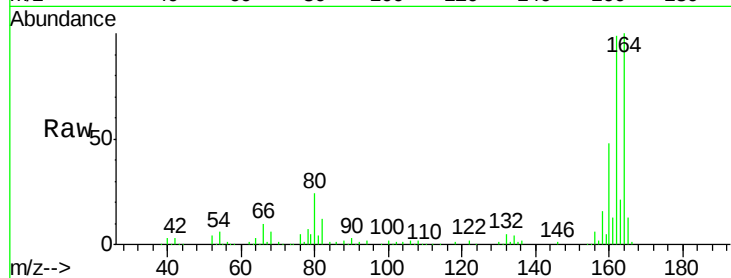




#56  
 2,4-Dinitrotoluene  
 Concen: 6.914 ng  
 RT: 9.78 min Scan# 1308  
 Delta R.T. -0.19 min  
 Lab File: BF097946.D  
 Acq: 22 Aug 2017 10:50

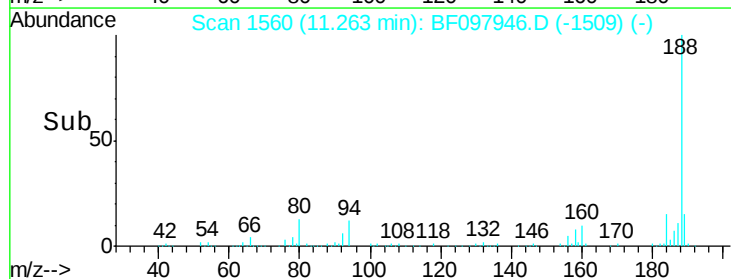
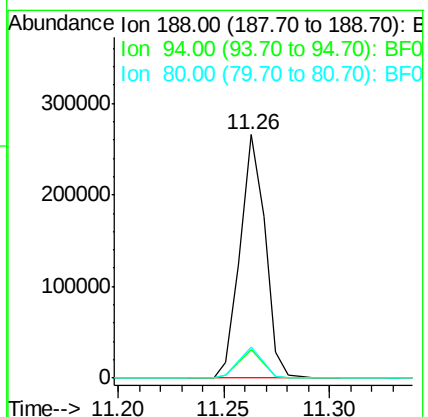
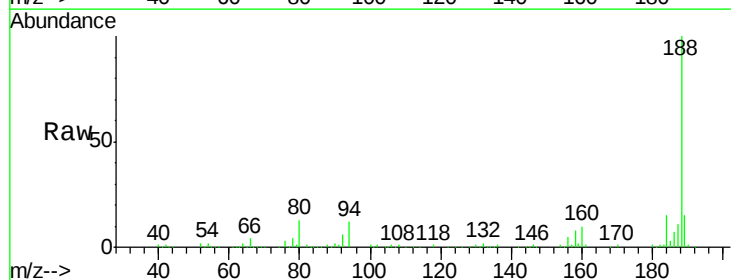
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTROL-HOUSE-RAMP

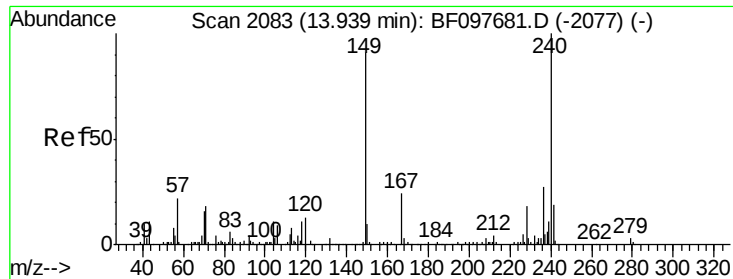
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.8   | 25.4  | 38.0# |
| 89      | 1.6   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.26 min Scan# 1560  
 Delta R.T. 0.00 min  
 Lab File: BF097946.D  
 Acq: 22 Aug 2017 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.7  | 9.4   | 14.2  |
| 80      | 12.7  | 10.2  | 15.2  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

Instrument :

BNA\_F

ClientSampleId :

CONTROL-HOUSE-RAMP

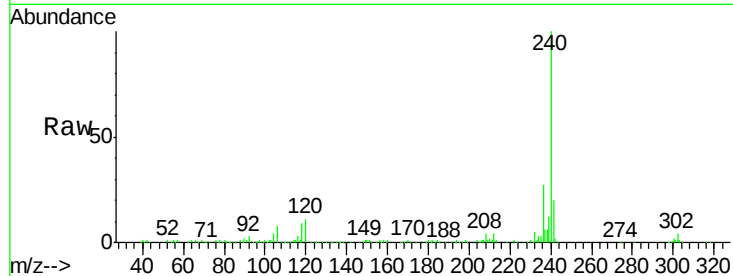
Tgt Ion:240 Resp: 185891

Ion Ratio Lower Upper

240 100

120 11.2 5.8 8.8#

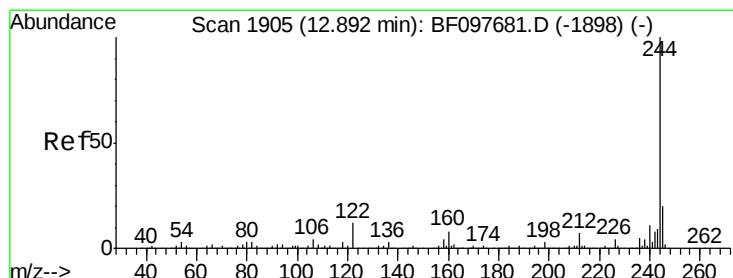
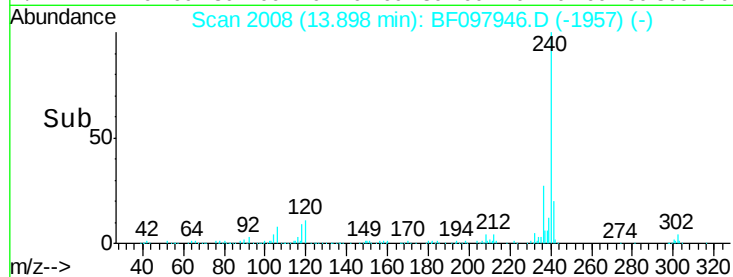
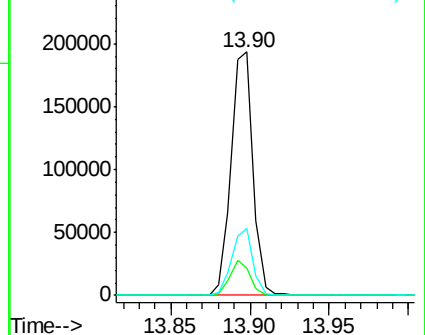
236 27.4 20.5 30.7



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: 64.784 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

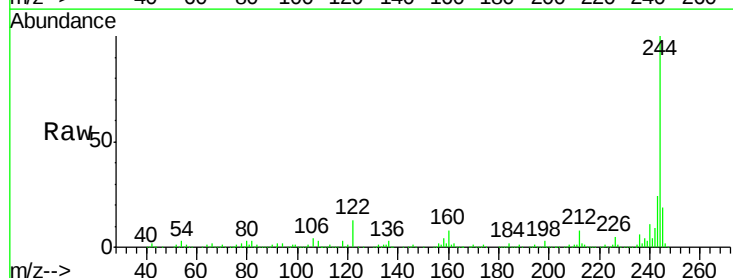
Tgt Ion:244 Resp: 577501

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

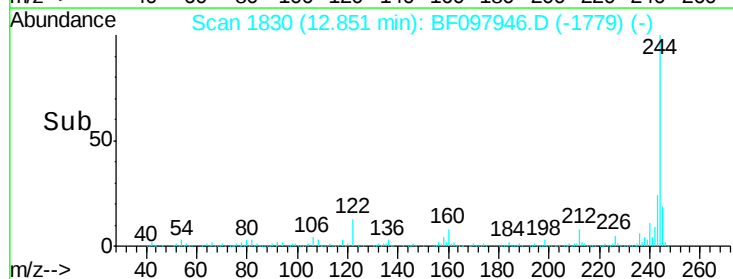
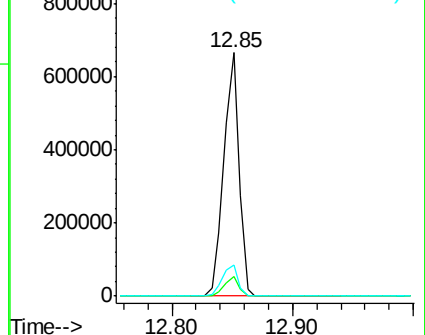
122 12.6 10.3 15.5

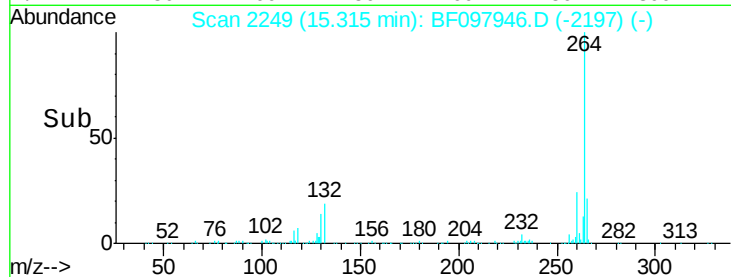
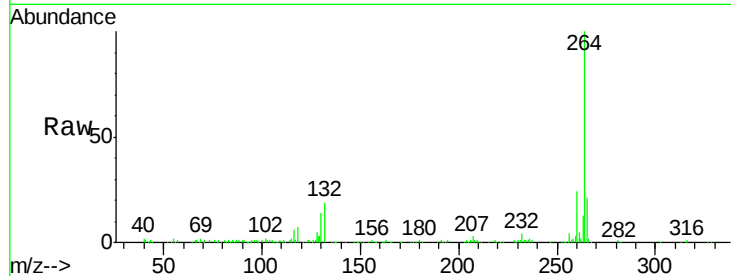
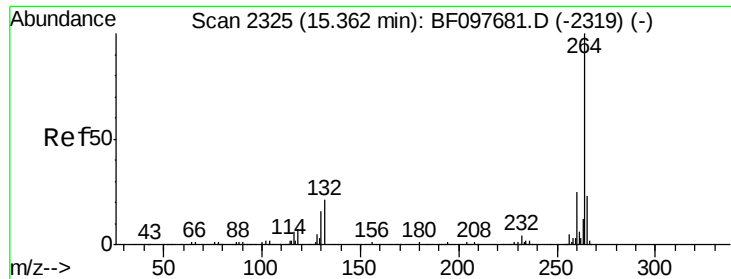


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF097946.D

Acq: 22 Aug 2017 10:50

Instrument :

BNA\_F

ClientSampleId :

CONTROL-HOUSE-RAMP

Tgt Ion:264 Resp: 120134

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 20.8 17.2 25.8

