

Data Path : Z:\HPCHEM1\BNA F\Data\BF101916\  
 Data File : BF090654.D  
 Acq On : 19 Oct 2016 18:15  
 Operator : UM/SJ  
 Sample : H5296-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C6-GW

Quant Time: Oct 19 18:54:26 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 19 15:13:23 2016  
 Response via : Initial Calibration

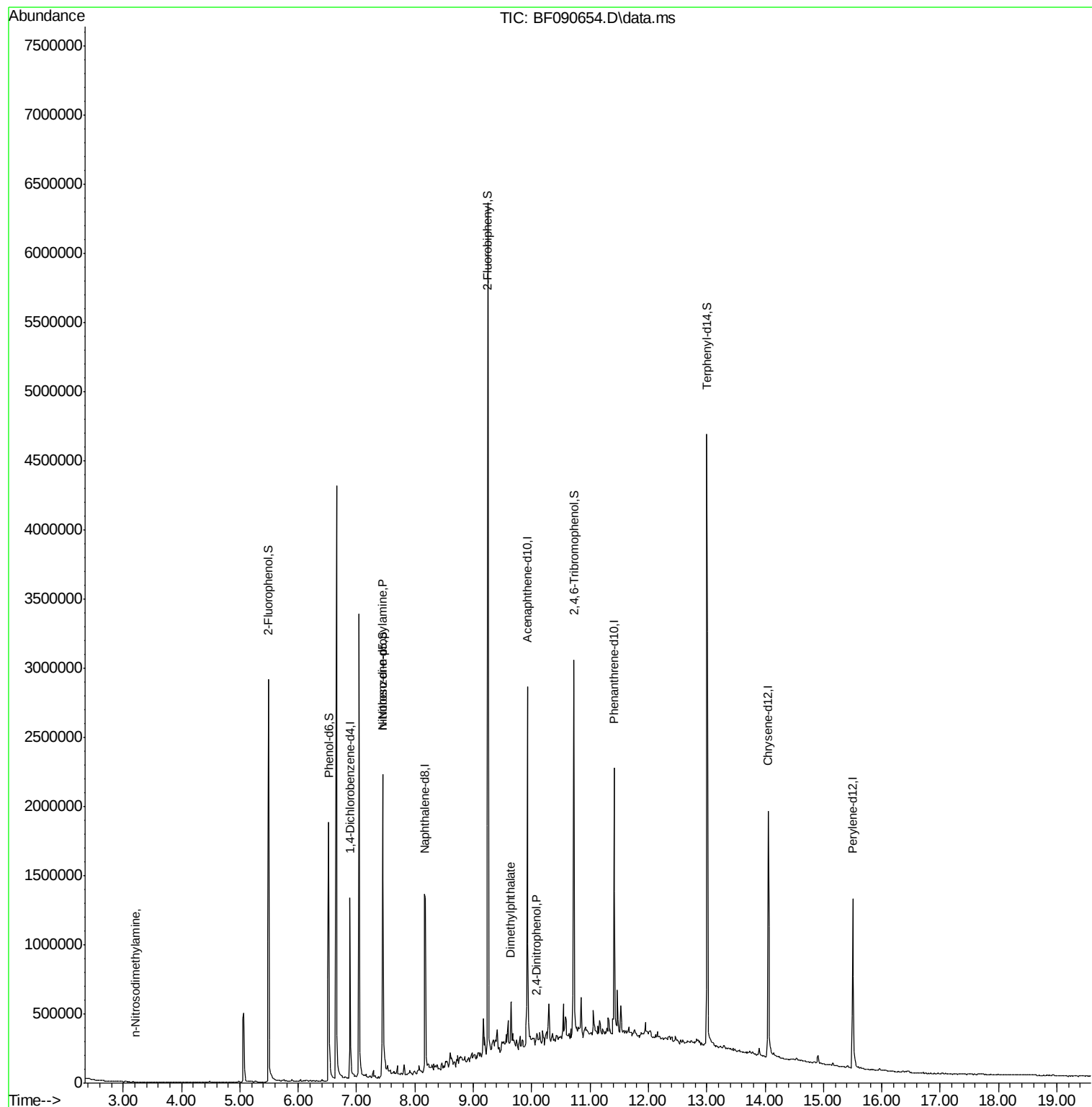
| Internal Standards            | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 219890   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.177  | 136  | 956091   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 9.926  | 164  | 523924   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10          | 11.412 | 188  | 879733   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12              | 14.052 | 240  | 762854   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.504 | 264  | 573233   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.491  | 112  | 907284   | 75.64  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.520  | 99   | 866142   | 48.60  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.446  | 82   | 1165063  | 67.69  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 10.726 | 330  | 557903   | 119.44 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 9.252  | 172  | 2011361  | 63.26  | ng    | -0.01    |
| 78) Terphenyl-d14             | 13.001 | 244  | 1958758  | 59.79  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
| 4) n-Nitrosodimethylamine     | 3.205  | 42   | 228      | 7.21   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.446  | 70   | 134497   | 11.01  | ng    | # 78     |
| 49) Dimethylphthalate         | 9.640  | 163  | 118539   | 3.49   | ng    | # 98     |
| 53) 2,4-Dinitrophenol         | 10.075 | 184  | 306      | 5.75   | ng    | # 1      |

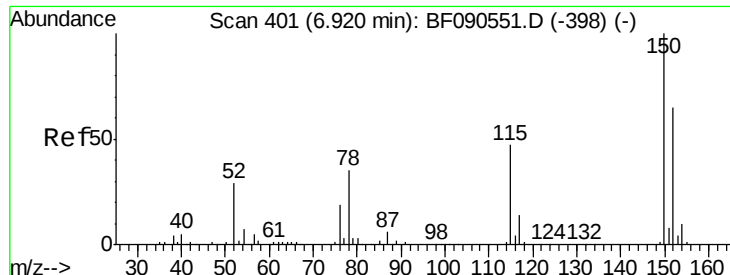
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF101916\  
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BNA\_F  
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OWL-C6-GW

Quant Time: Oct 19 18:54:26 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 19 15:13:23 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.886 min Scan# 39

Delta R.T. -0.000 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

OWL-C6-GW

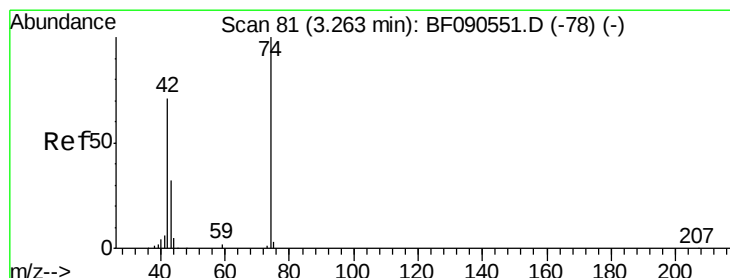
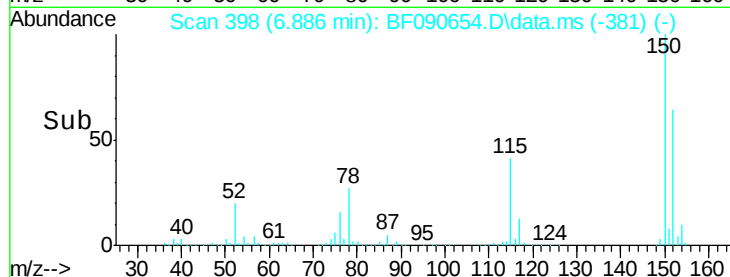
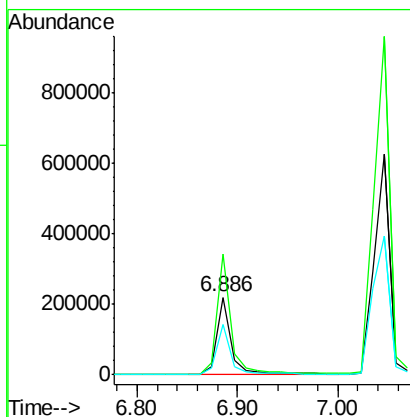
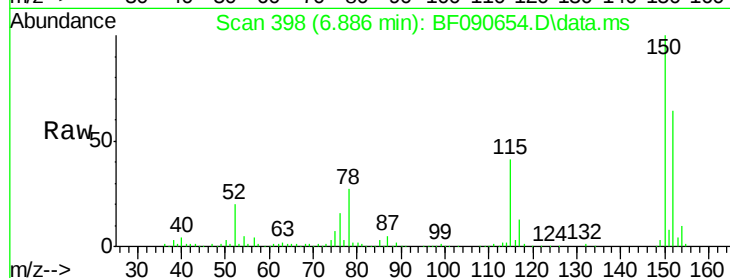
Tot Ion:152 Resp: 219890

Ion Ratio Lower Upper

152 100

150 156.3 127.2 190.8

115 64.2 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.21 ng

RT: 3.205 min Scan# 76

Delta R.T. -0.012 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

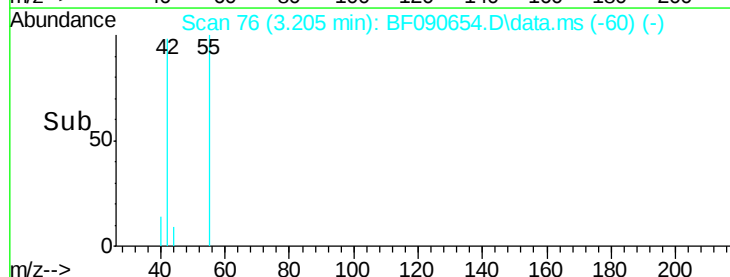
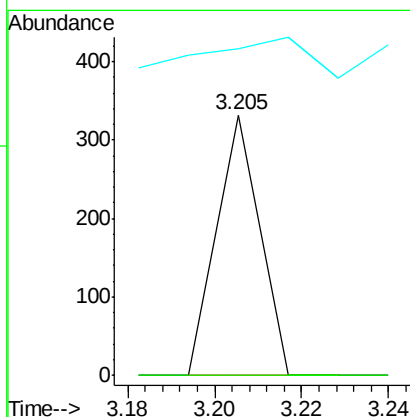
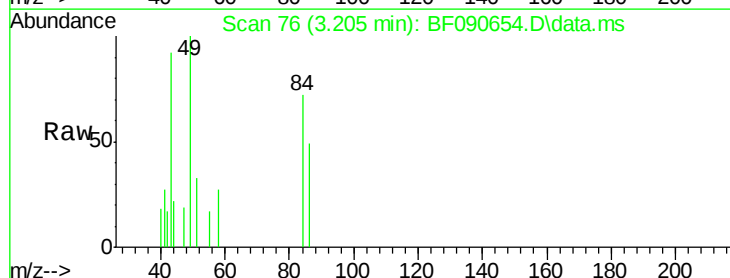
Tgt Ion: 42 Resp: 228

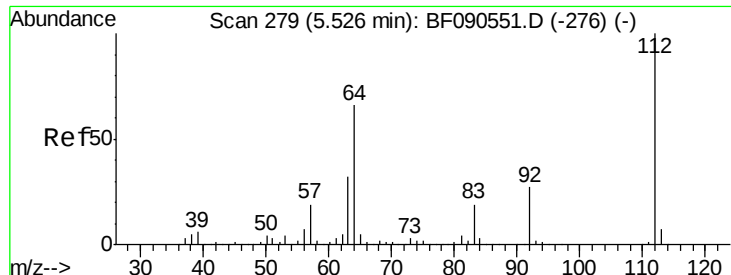
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 125.6 6.0 9.0#





#5

2-Fluorophenol

Concen: 75.64 ng

RT: 5.491 min Scan# 27

Delta R.T. -0.000 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

OWL-C6-GW

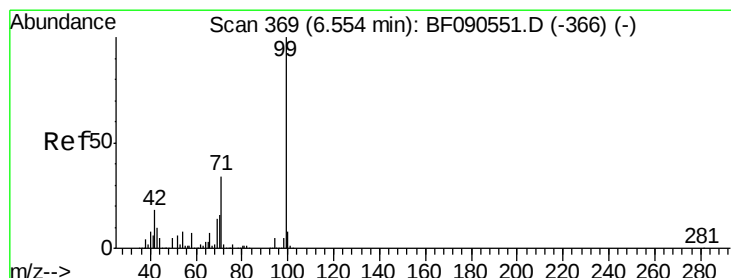
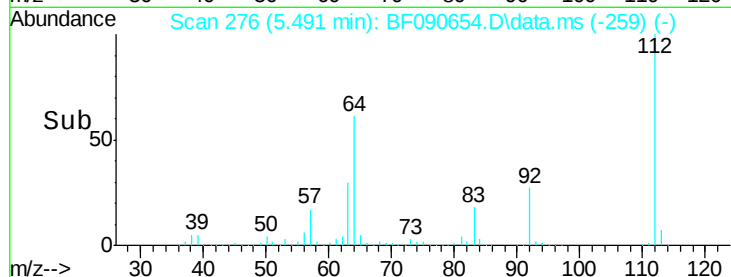
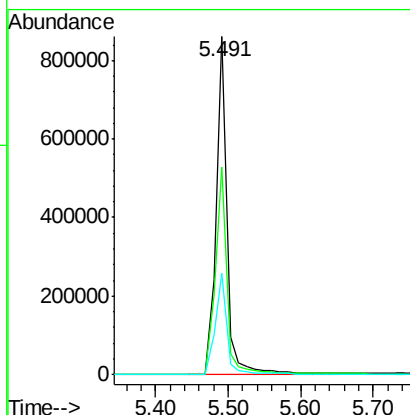
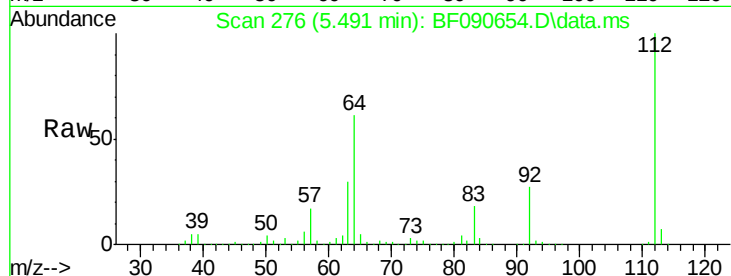
Tot Ion:112 Resp: 907284

Ion Ratio Lower Upper

112 100

64 61.3 52.6 78.8

63 29.9 26.0 39.0



#7

Phenol-d6

Concen: 48.60 ng

RT: 6.520 min Scan# 366

Delta R.T. -0.012 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

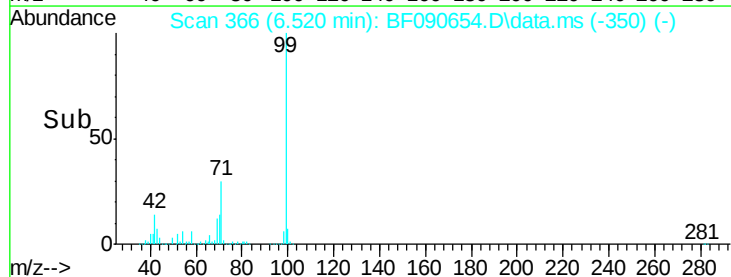
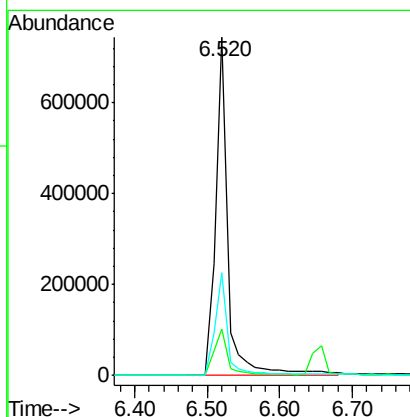
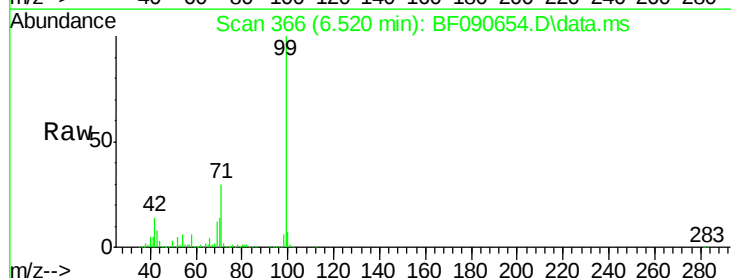
Tgt Ion: 99 Resp: 866142

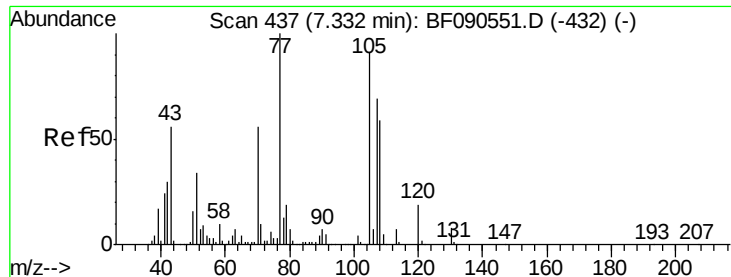
Ion Ratio Lower Upper

99 100

42 13.7 14.7 22.1#

71 30.2 27.6 41.4





#19

n-Nitroso-di-n-propylamine

Concen: 11.01 ng

RT: 7.446 min Scan# 44

Delta R.T. 0.137 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

OWL-C6-GW

Tot Ion: 70 Resp: 134497

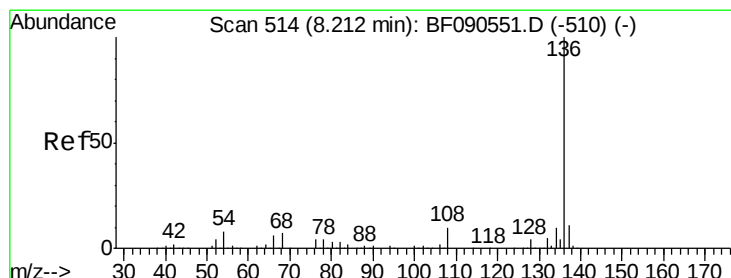
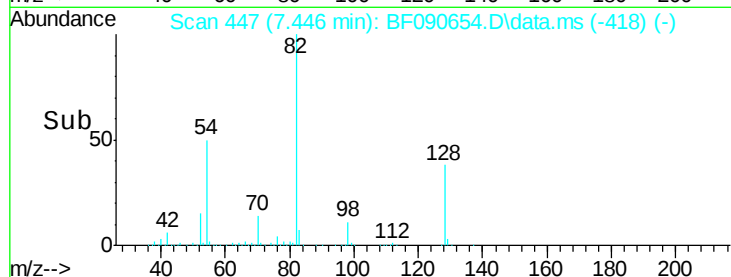
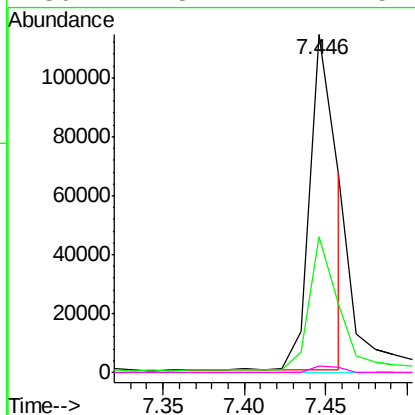
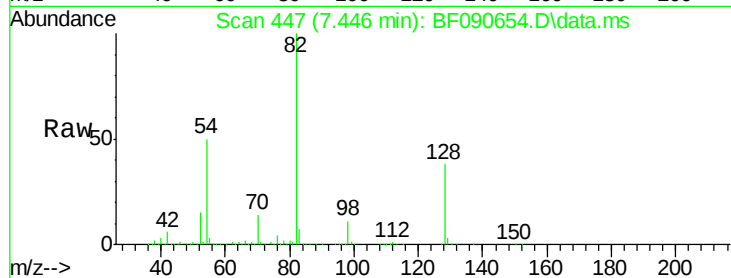
Ion Ratio Lower Upper

70 100

42 40.0 43.4 65.0#

101 0.0 6.4 9.6#

130 1.8 12.1 18.1#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.177 min Scan# 511

Delta R.T. -0.000 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Tgt Ion: 136 Resp: 956091

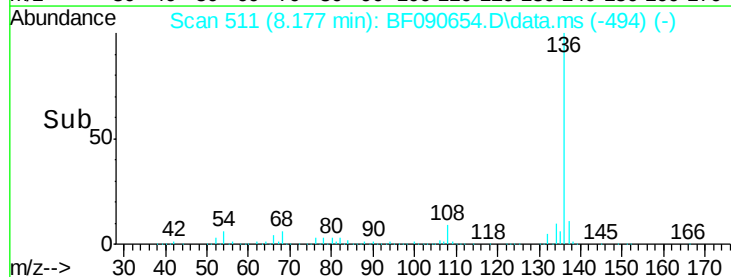
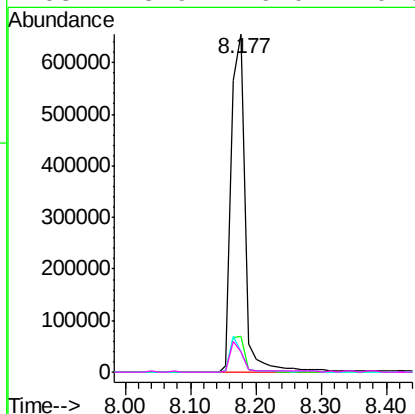
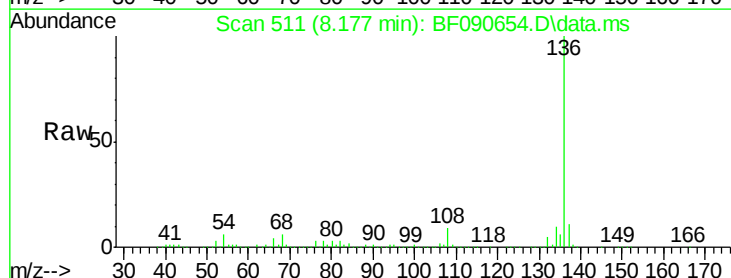
Ion Ratio Lower Upper

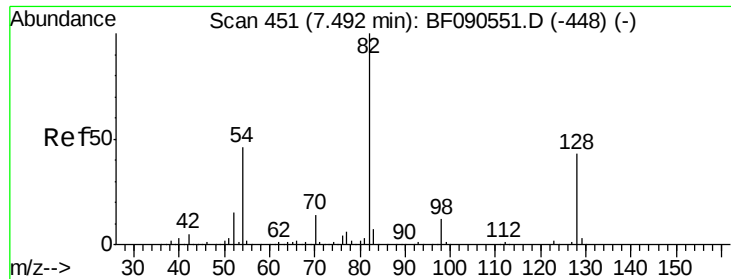
136 100

137 10.8 8.8 13.2

54 6.1 6.8 10.2#

68 5.9 6.0 9.0#



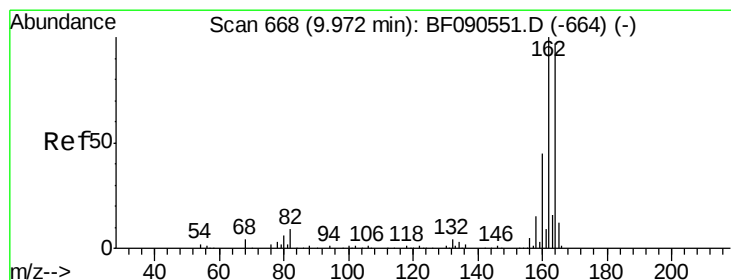
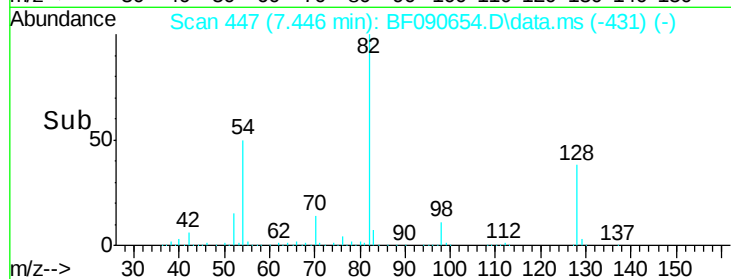
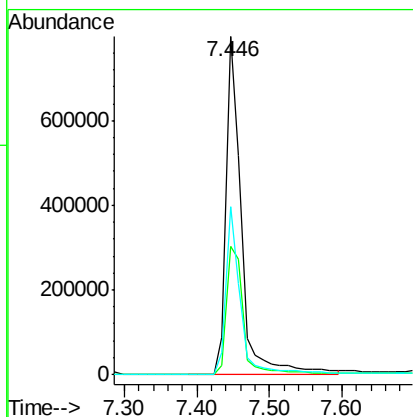
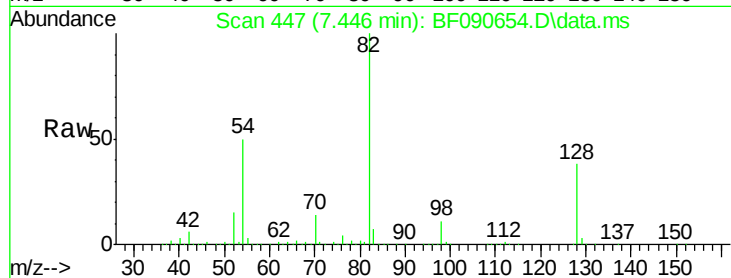


#23  
 Nitrobenzene-d5  
 Concen: 67.69 ng  
 RT: 7.446 min Scan# 44  
 Delta R.T. -0.012 min  
 Lab File: BF090654.D  
 Acq: 19 Oct 2016 18:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C6-GW

Tot Ion: 82 Resp: 1165063  

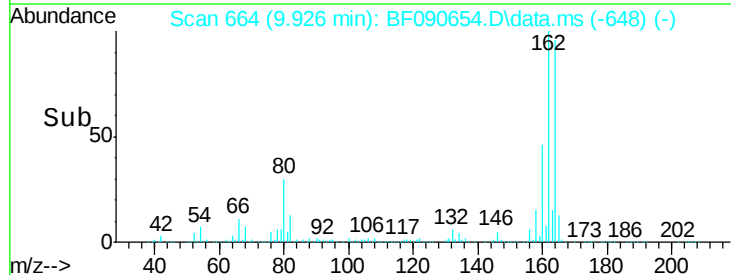
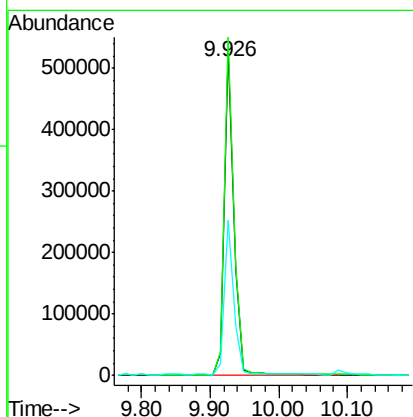
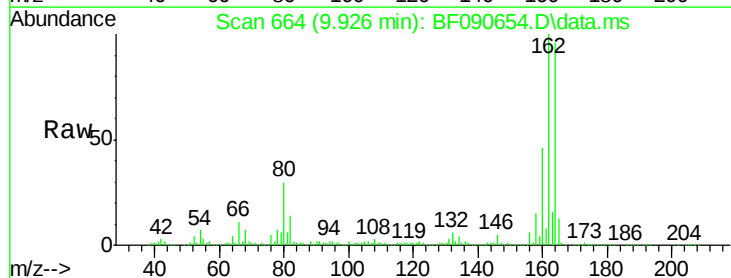
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.0  | 34.3  | 51.5  |
| 54  | 49.7  | 37.0  | 55.6  |

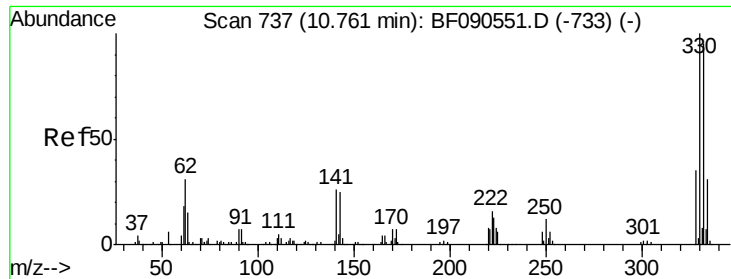


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.926 min Scan# 664  
 Delta R.T. -0.012 min  
 Lab File: BF090654.D  
 Acq: 19 Oct 2016 18:15

Tgt Ion: 164 Resp: 523924  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.9 | 82.2  | 123.4 |
| 160 | 47.6  | 36.6  | 55.0  |

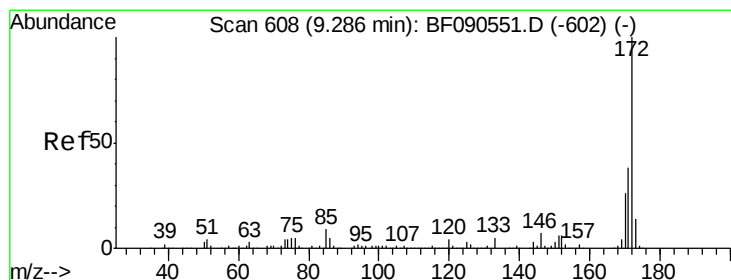
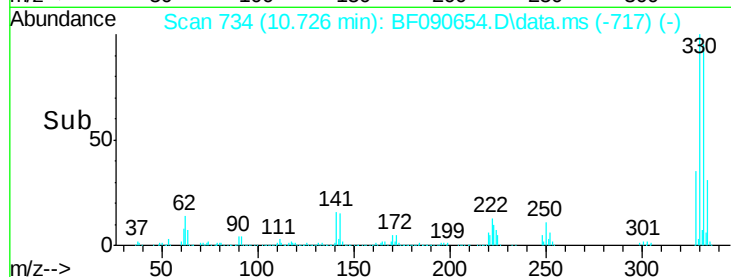
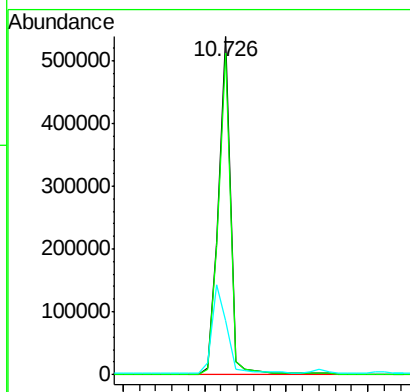
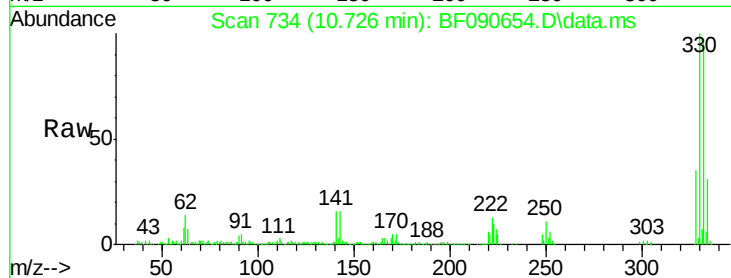




#41  
 2,4,6-Tribromophenol  
 Concen: 119.44 ng  
 RT: 10.726 min Scan# 73  
 Delta R.T. -0.000 min  
 Lab File: BF090654.D  
 Acq: 19 Oct 2016 18:15

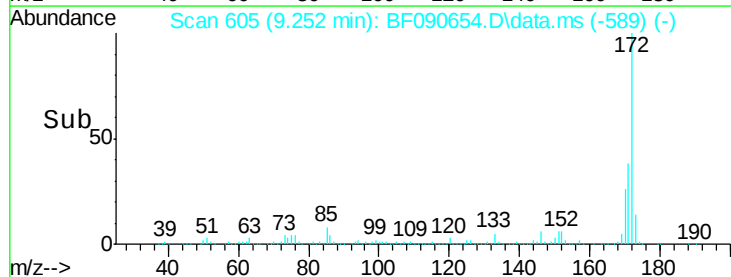
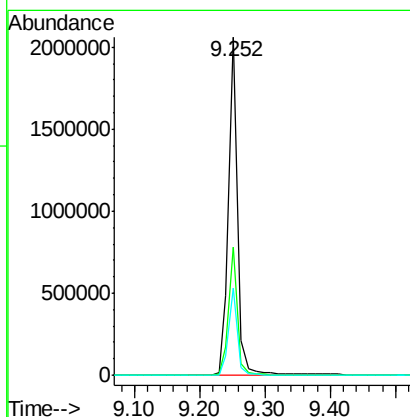
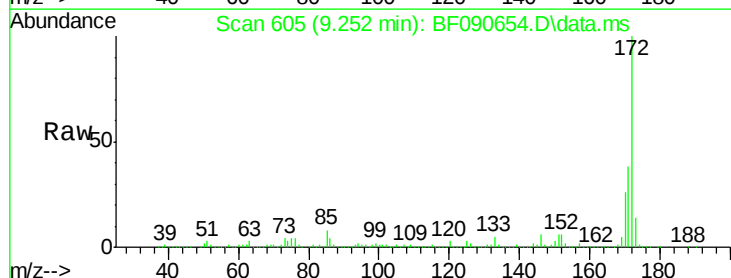
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C6-GW

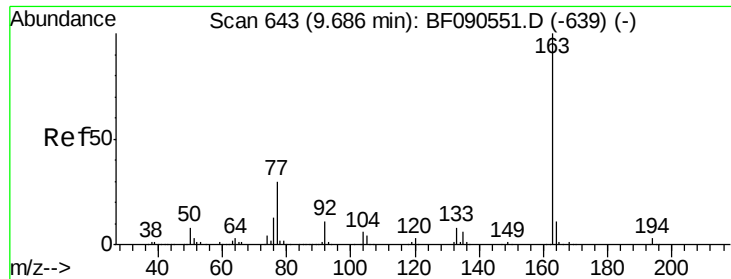
Tot Ion:330 Resp: 557903  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.2 114.2  
 141 32.5 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 63.26 ng  
 RT: 9.252 min Scan# 605  
 Delta R.T. -0.012 min  
 Lab File: BF090654.D  
 Acq: 19 Oct 2016 18:15

Tgt Ion:172 Resp: 2011361  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 30.1 45.1  
 170 25.9 20.6 30.8

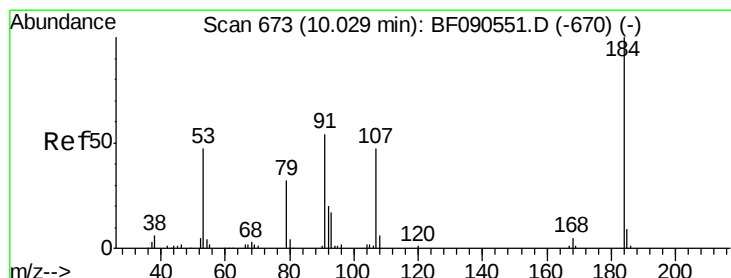
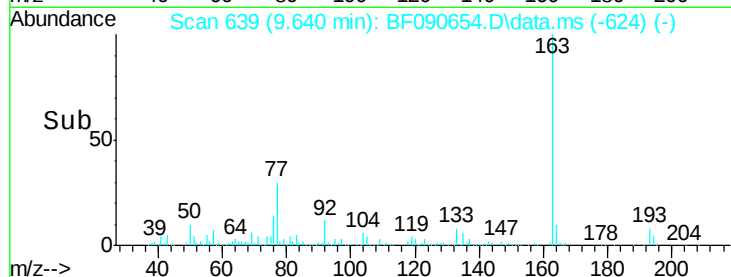
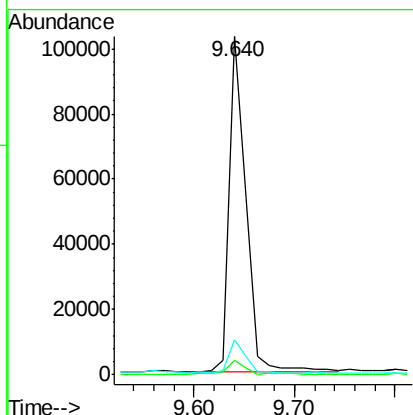
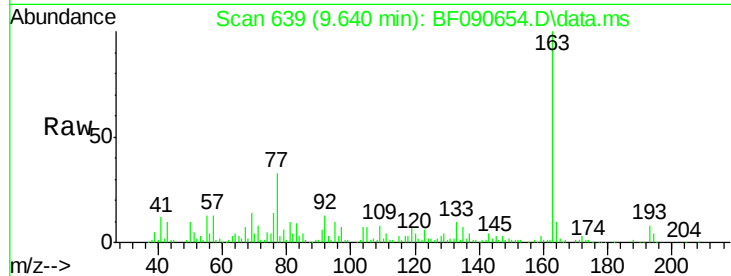




#49  
Dimethylphthalate  
Concen: 3.49 ng  
RT: 9.640 min Scan# 63  
Delta R.T. -0.023 min  
Lab File: BF090654.D  
Acq: 19 Oct 2016 18:15

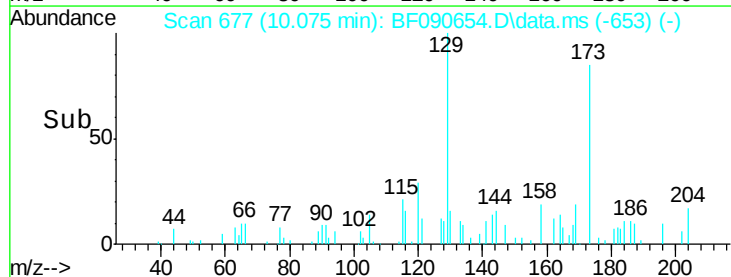
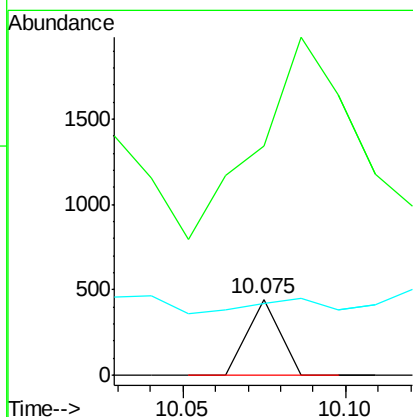
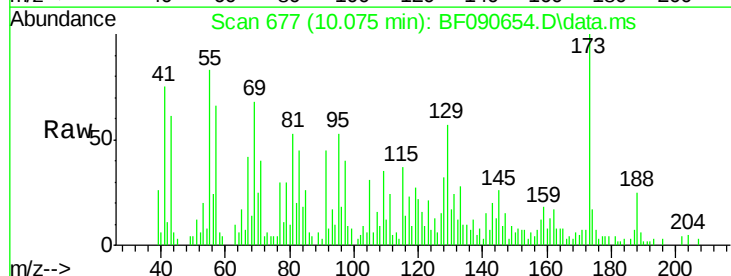
Instrument :  
BNA\_F  
ClientSampleId :  
OWL-C6-GW

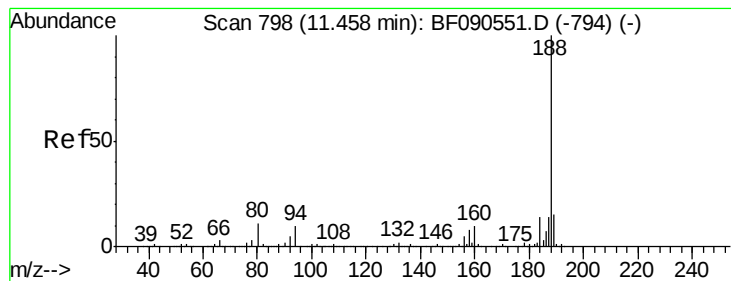
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 2.3   | 3.5#  |
| 164     | 10.3  | 8.6   | 13.0  |



#53  
2,4-Dinitrophenol  
Concen: 5.75 ng  
RT: 10.075 min Scan# 677  
Delta R.T. 0.080 min  
Lab File: BF090654.D  
Acq: 19 Oct 2016 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 300.4 | 60.2  | 90.2# |
| 154     | 93.7  | 86.1  | 129.1 |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.412 min Scan# 79

Delta R.T. -0.012 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

OWL-C6-GW

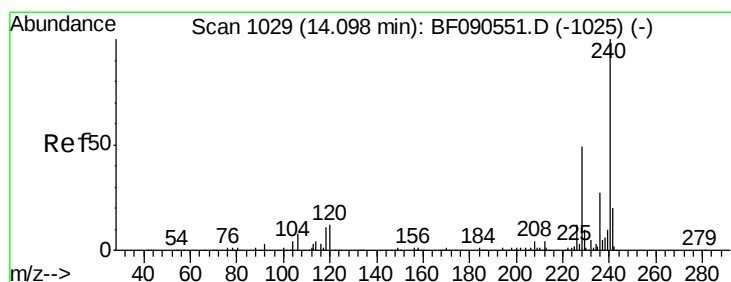
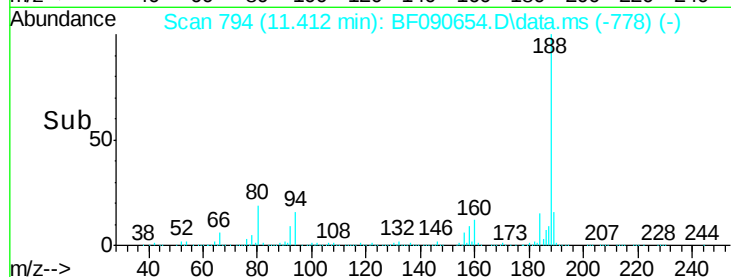
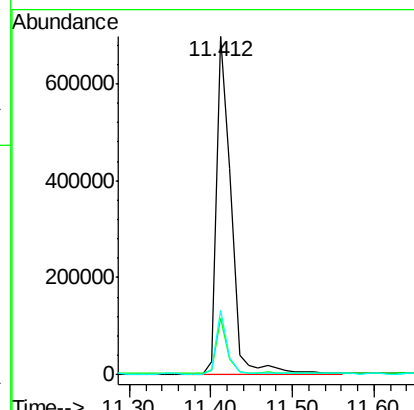
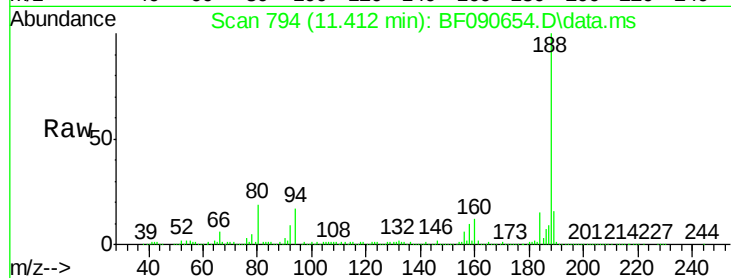
Tot Ion:188 Resp: 879733

Ion Ratio Lower Upper

188 100

94 16.6 7.7 11.5#

80 18.9 8.6 12.8#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.052 min Scan# 1025

Delta R.T. -0.012 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

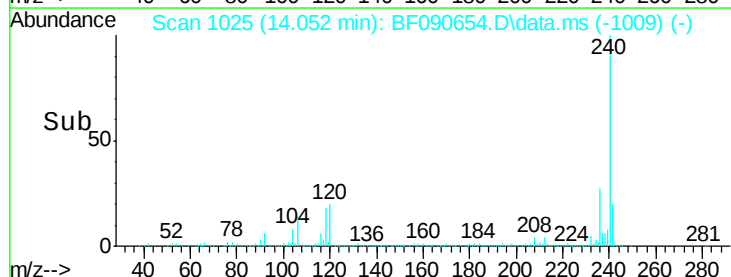
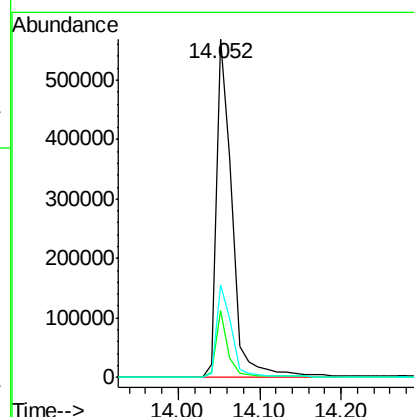
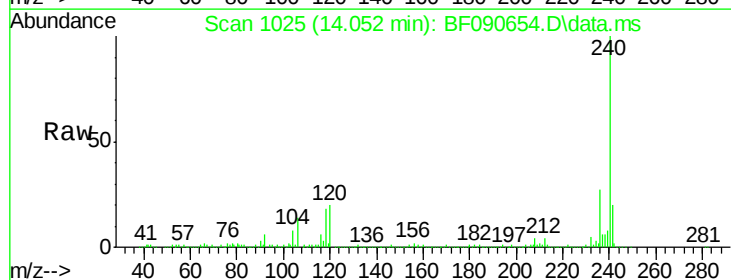
Tgt Ion:240 Resp: 762854

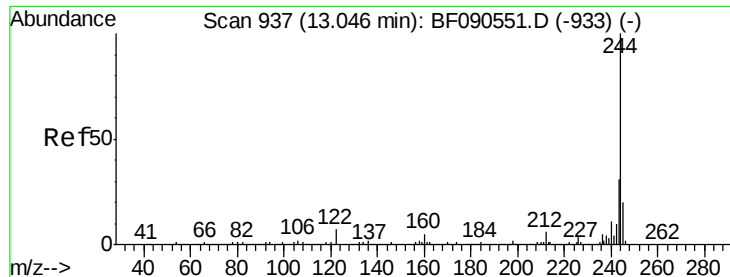
Ion Ratio Lower Upper

240 100

120 19.8 9.8 14.8#

236 27.5 21.7 32.5





#78

Terphenyl-d14

Concen: 59.79 ng

RT: 13.001 min Scan# 93

Delta R.T. -0.012 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

OWL-C6-GW

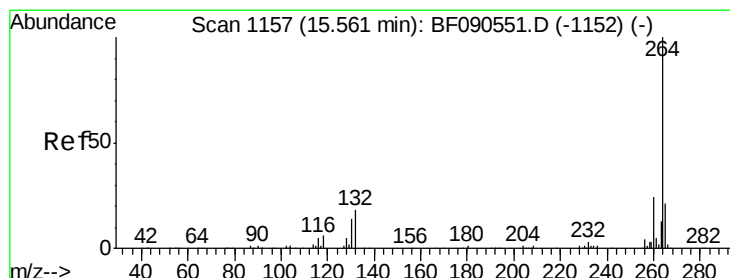
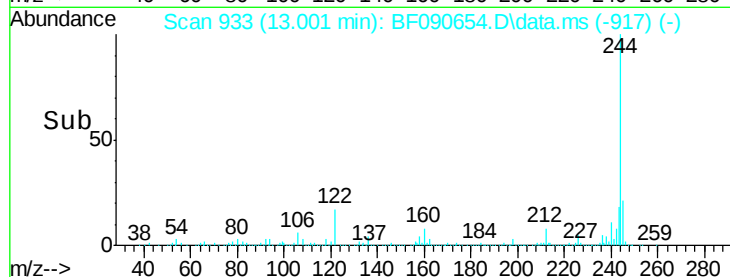
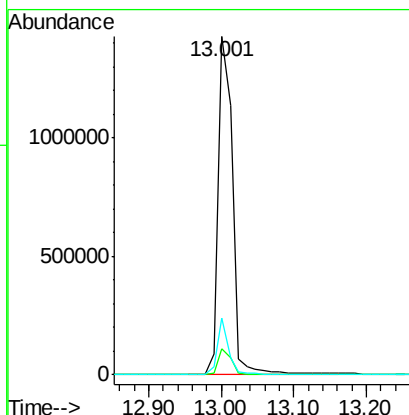
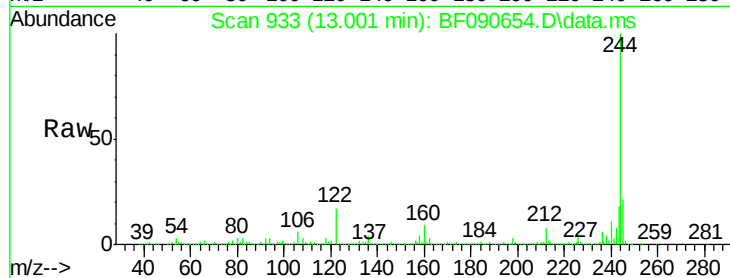
Tot Ion:244 Resp: 1958758

Ion Ratio Lower Upper

244 100

212 7.7 5.0 7.4#

122 16.6 5.6 8.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.504 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF090654.D

Acq: 19 Oct 2016 18:15

Tgt Ion:264 Resp: 573233

Ion Ratio Lower Upper

264 100

260 25.5 19.3 28.9

265 22.5 16.7 25.1

