

Data Path : Z:\HPCHEM1\BNA F\Data\BF102016\  
 Data File : BF090692.D  
 Acq On : 20 Oct 2016 19:48  
 Operator : UM/SJ  
 Sample : H5343-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RMAB-SB02-17.5-18.0

Quant Time: Oct 21 08:52:55 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 17 19:19:58 2016  
 Response via : Initial Calibration

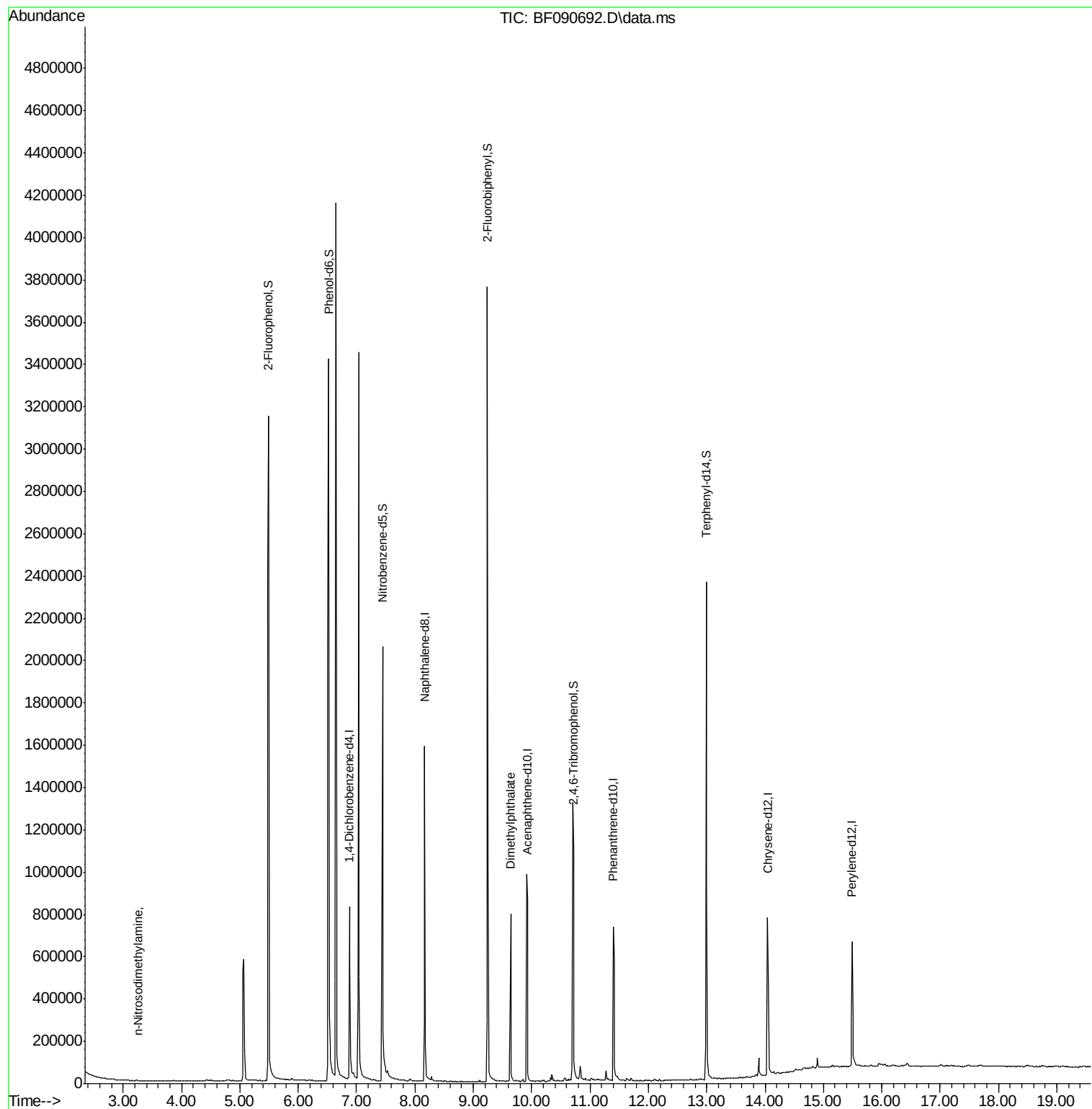
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|--------|------|----------|--------|-------|---------------|
| -----                       |        |      |          |        |       |               |
| Internal Standards          |        |      |          |        |       |               |
| 1) 1,4-Dichlorobenzene-d4   | 6.875  | 152  | 164445   | 20.00  | ng    | -0.03         |
| 21) Naphthalene-d8          | 8.166  | 136  | 712953   | 20.00  | ng    | -0.03         |
| 38) Acenaphthene-d10        | 9.926  | 164  | 294956   | 20.00  | ng    | -0.03         |
| 63) Phenanthrene-d10        | 11.401 | 188  | 380113   | 20.00  | ng    | -0.05         |
| 75) Chrysene-d12            | 14.041 | 240  | 321228   | 20.00  | ng    | -0.05         |
| 86) Perylene-d12            | 15.493 | 264  | 252294   | 20.00  | ng    | -0.05         |
| System Monitoring Compounds |        |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.492  | 112  | 1191530  | 132.83 | ng    | -0.02         |
| 7) Phenol-d6                | 6.520  | 99   | 1555892  | 116.73 | ng    | -0.02         |
| 23) Nitrobenzene-d5         | 7.446  | 82   | 915644   | 71.34  | ng    | -0.03         |
| 41) 2,4,6-Tribromophenol    | 10.715 | 330  | 202646   | 77.06  | ng    | -0.03         |
| 44) 2-Fluorobiphenyl        | 9.240  | 172  | 1167277  | 65.21  | ng    | -0.03         |
| 78) Terphenyl-d14           | 12.989 | 244  | 786477   | 57.01  | ng    | -0.05         |
| Target Compounds            |        |      |          |        |       |               |
| 4) n-Nitrosodimethylamine   | 3.263  | 42   | 580      | 7.29   | ng    | Qvalue<br># 1 |
| 49) Dimethylphthalate       | 9.640  | 163  | 368464   | 19.25  | ng    | 97            |
| -----                       |        |      |          |        |       |               |

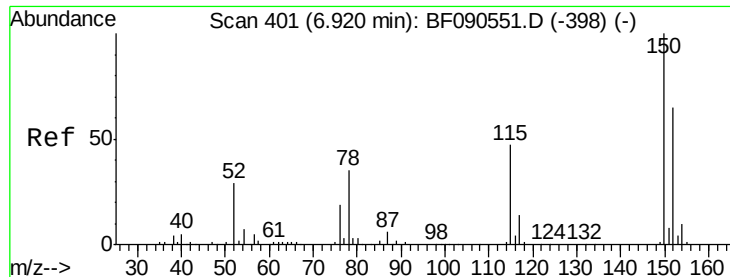
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.875 min Scan# 39

Delta R.T. -0.034 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB02-17.5-18.0

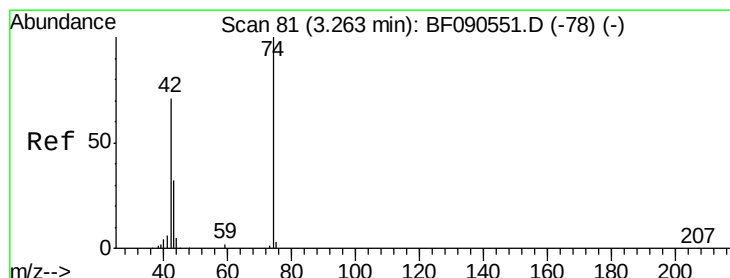
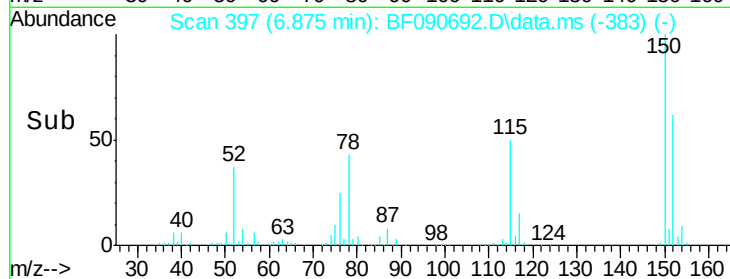
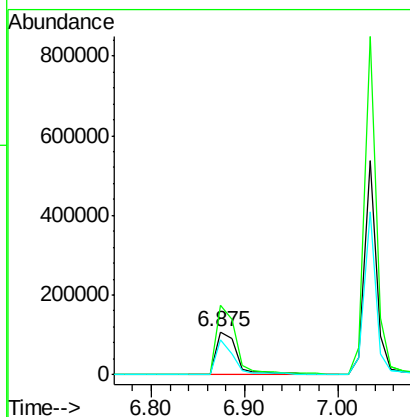
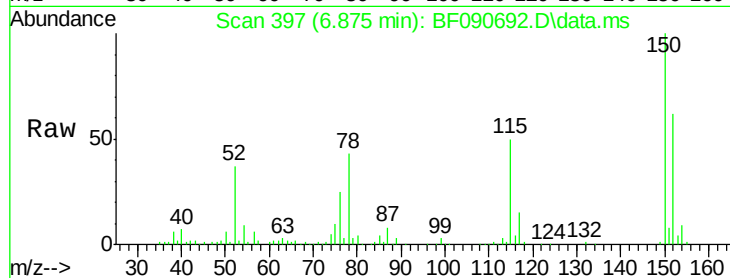
Tot Ion:152 Resp: 164445

Ion Ratio Lower Upper

152 100

150 161.3 127.2 190.8

115 80.1 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.29 ng

RT: 3.263 min Scan# 81

Delta R.T. 0.034 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

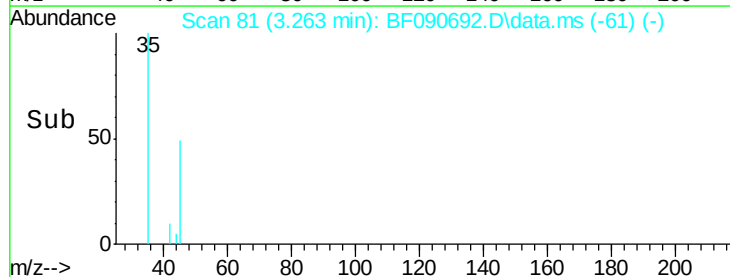
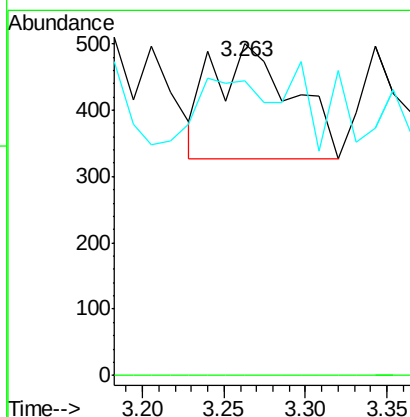
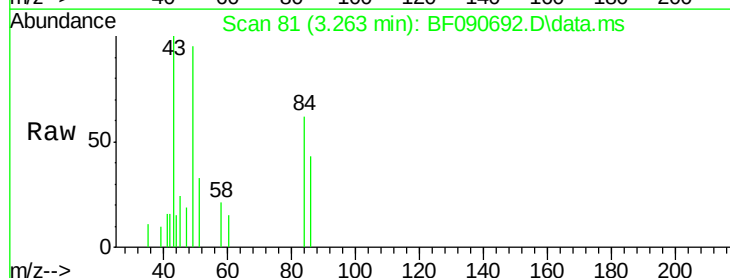
Tgt Ion: 42 Resp: 580

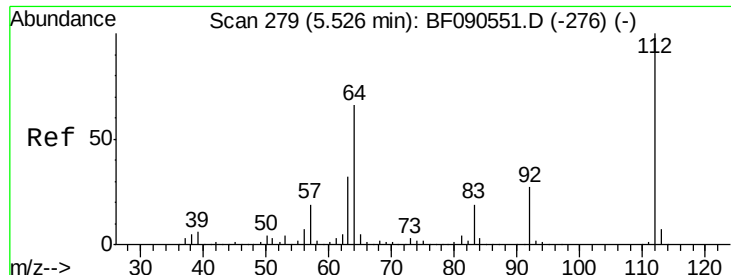
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 89.0 6.0 9.0#





#5

2-Fluorophenol

Concen: 132.83 ng

RT: 5.492 min Scan# 27

Delta R.T. -0.023 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB02-17.5-18.0

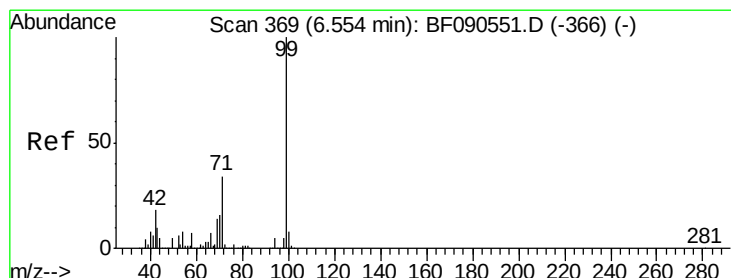
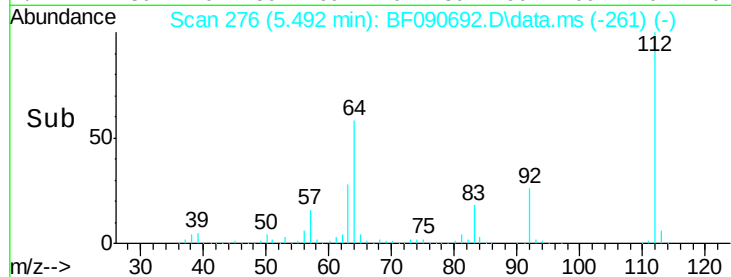
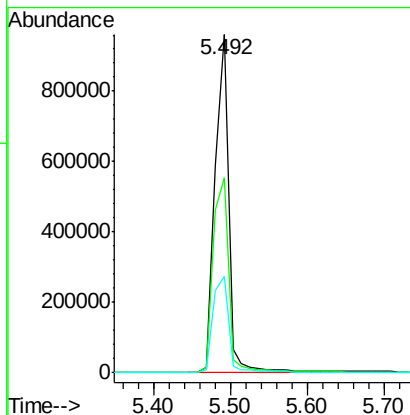
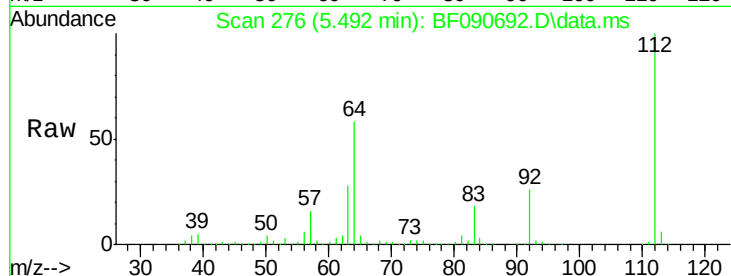
Tot Ion:112 Resp: 1191530

Ion Ratio Lower Upper

112 100

64 57.5 52.6 78.8

63 28.4 26.0 39.0



#7

Phenol-d6

Concen: 116.73 ng

RT: 6.520 min Scan# 366

Delta R.T. -0.023 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

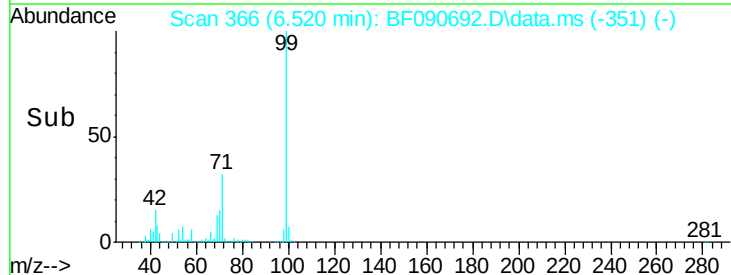
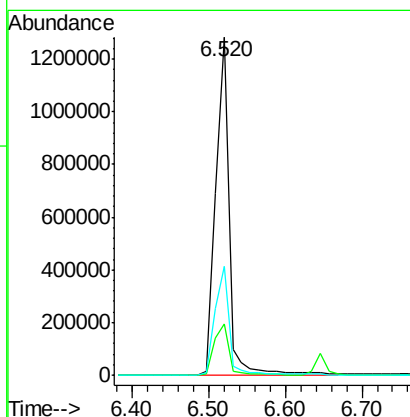
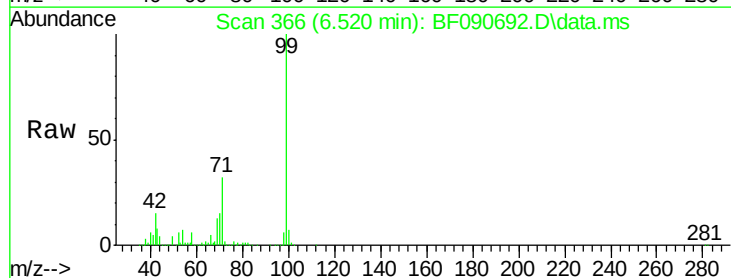
Tgt Ion: 99 Resp: 1555892

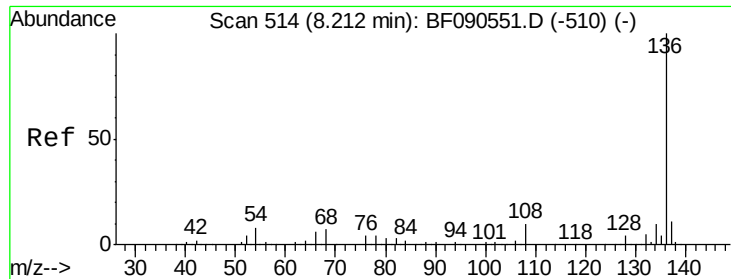
Ion Ratio Lower Upper

99 100

42 15.2 14.7 22.1

71 32.3 27.6 41.4

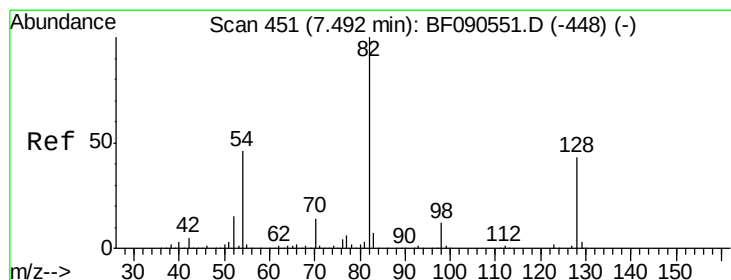
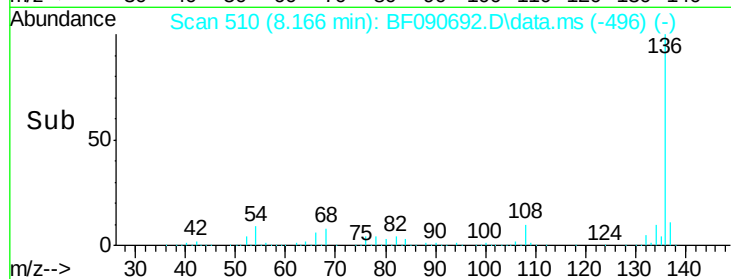
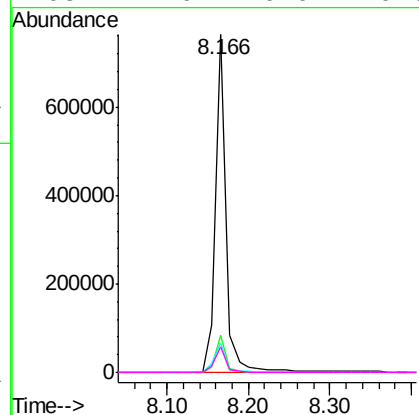
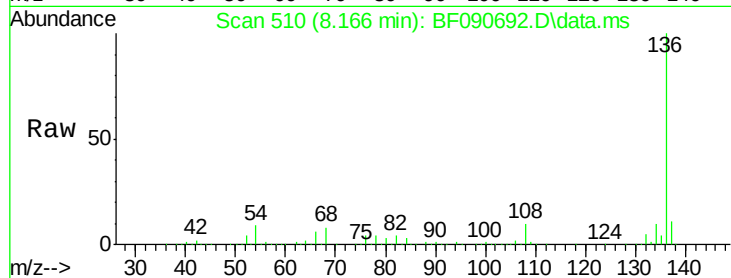




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.166 min Scan# 51  
Delta R.T. -0.034 min  
Lab File: BF090692.D  
Acq: 20 Oct 2016 19:48

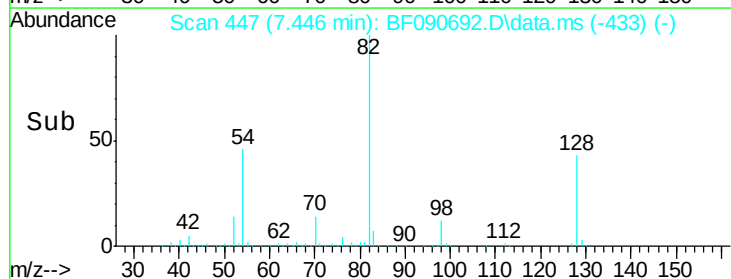
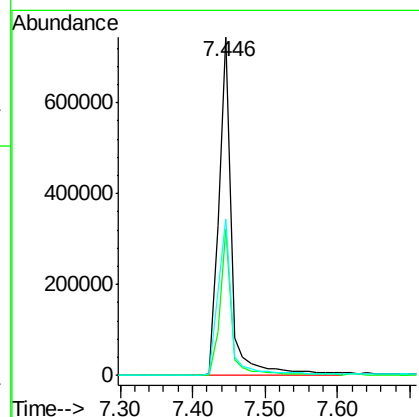
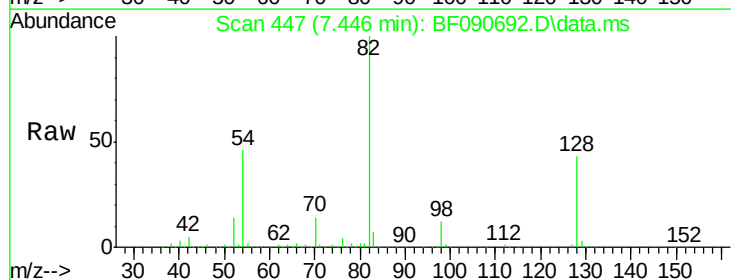
Instrument :  
BNA\_F  
ClientSampleId :  
RMAB-SB02-17.5-18.0

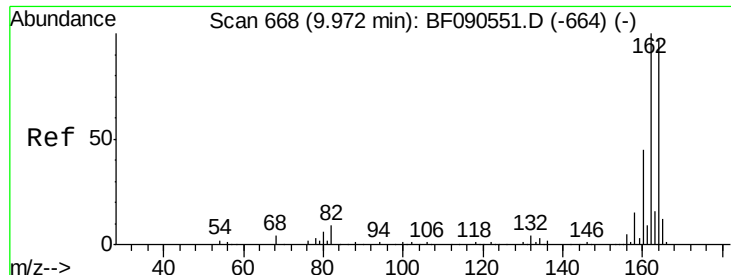
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 712953   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 8.8 13.2 |
| 54          | 8.9   | 6.8 10.2 |
| 68          | 7.6   | 6.0 9.0  |



#23  
Nitrobenzene-d5  
Concen: 71.34 ng  
RT: 7.446 min Scan# 447  
Delta R.T. -0.034 min  
Lab File: BF090692.D  
Acq: 20 Oct 2016 19:48

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 915644    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 43.3  | 34.3 51.5 |
| 54          | 46.1  | 37.0 55.6 |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.926 min Scan# 66

Delta R.T. -0.034 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB02-17.5-18.0

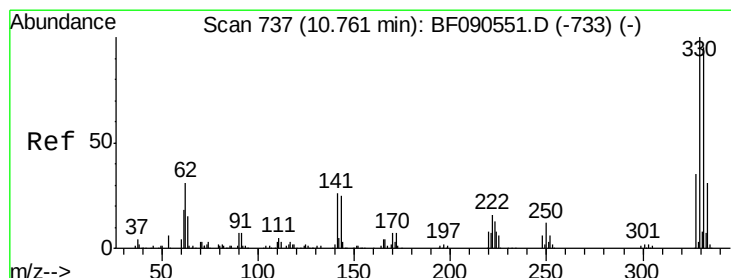
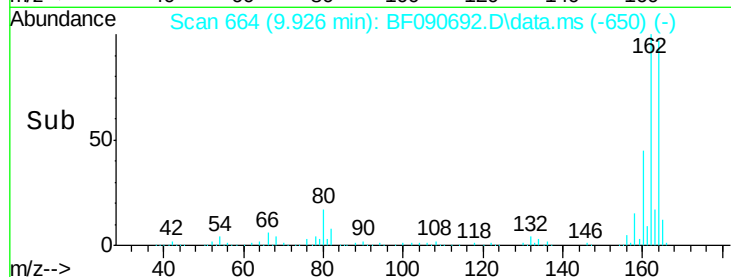
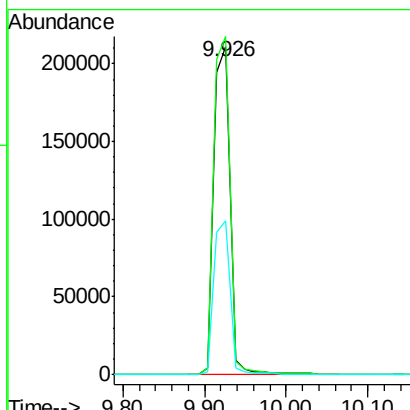
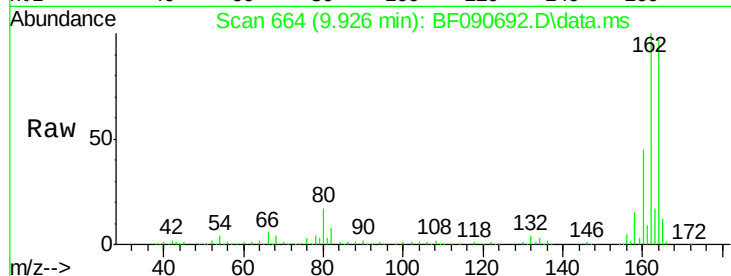
Tot Ion:164 Resp: 294956

Ion Ratio Lower Upper

164 100

162 103.0 82.2 123.4

160 46.8 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 77.06 ng

RT: 10.715 min Scan# 733

Delta R.T. -0.034 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

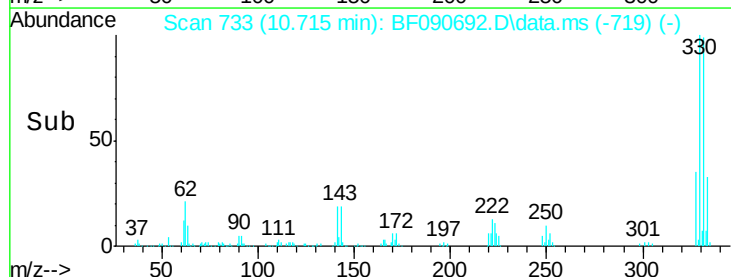
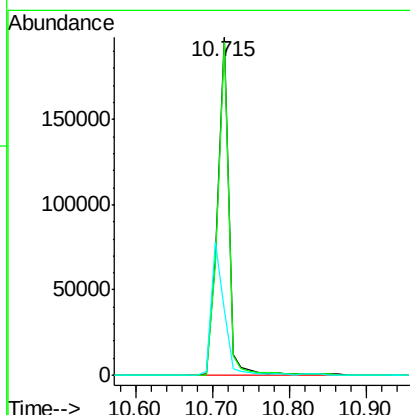
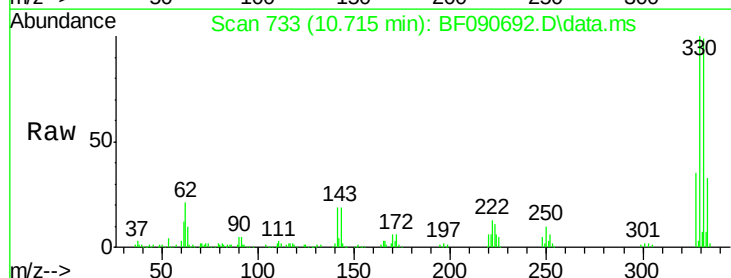
Tgt Ion:330 Resp: 202646

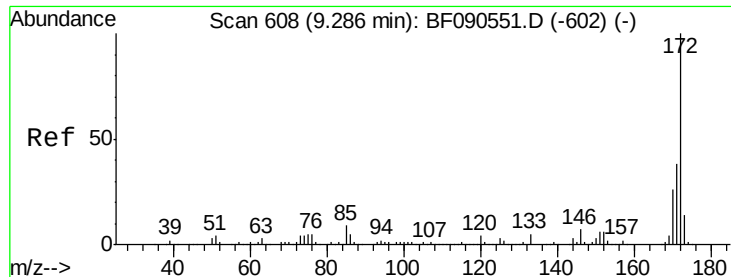
Ion Ratio Lower Upper

330 100

332 97.6 76.2 114.2

141 43.8 31.4 47.2

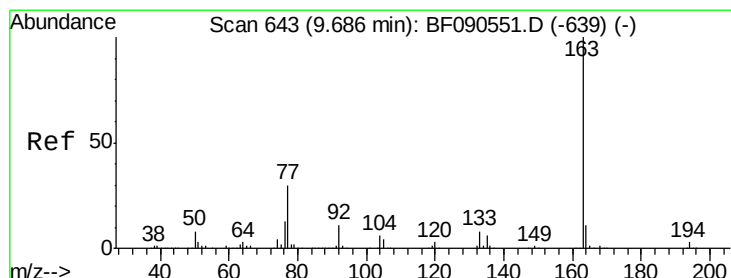
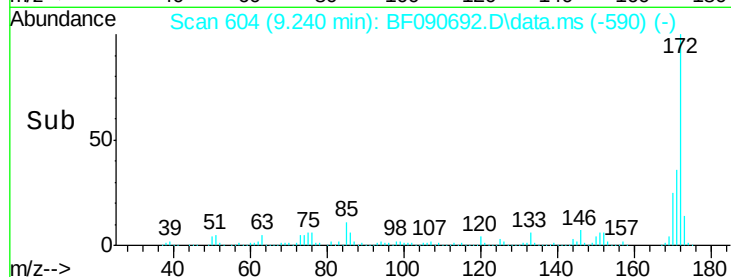
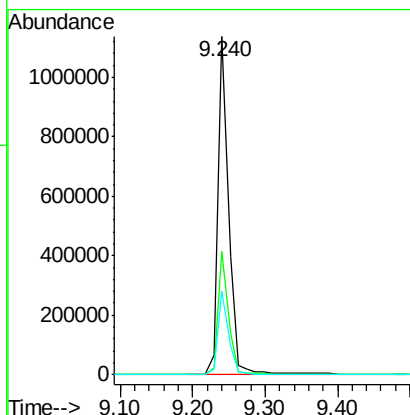
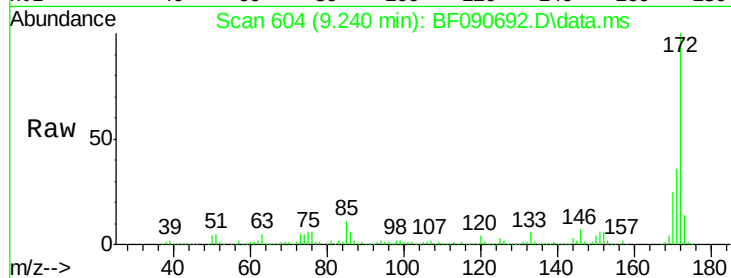




#44  
2-Fluorobiphenyl  
Concen: 65.21 ng  
RT: 9.240 min Scan# 60  
Delta R.T. -0.034 min  
Lab File: BF090692.D  
Acq: 20 Oct 2016 19:48

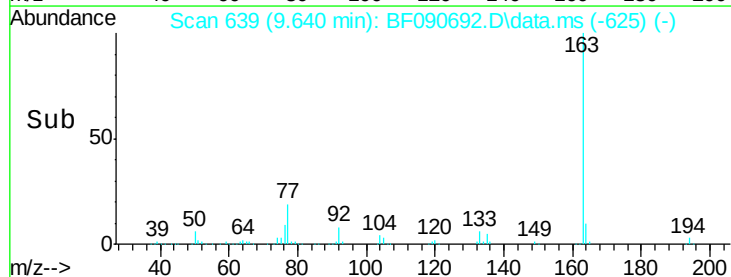
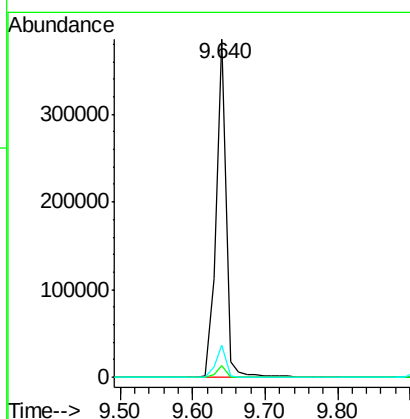
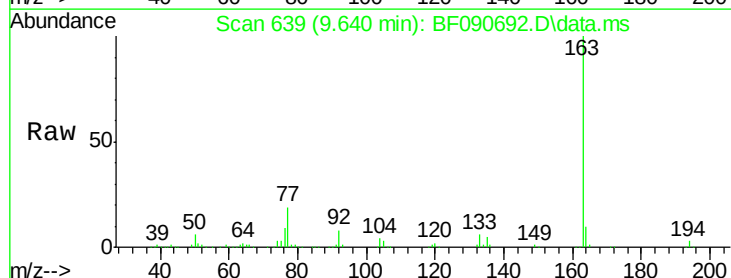
Instrument :  
BNA\_F  
ClientSampleId :  
RMAB-SB02-17.5-18.0

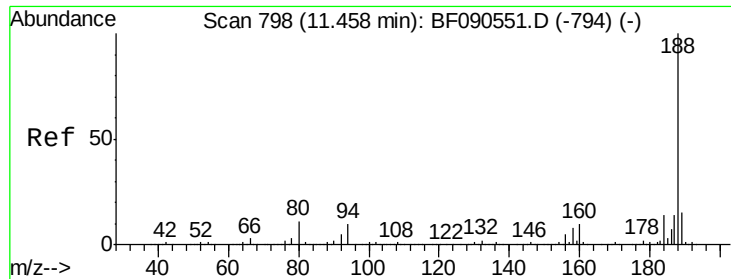
Tot Ion:172 Resp: 1167277  
Ion Ratio Lower Upper  
172 100  
171 36.2 30.1 45.1  
170 24.7 20.6 30.8



#49  
Dimethylphthalate  
Concen: 19.25 ng  
RT: 9.640 min Scan# 639  
Delta R.T. -0.034 min  
Lab File: BF090692.D  
Acq: 20 Oct 2016 19:48

Tgt Ion:163 Resp: 368464  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.3 3.5  
164 9.5 8.6 13.0

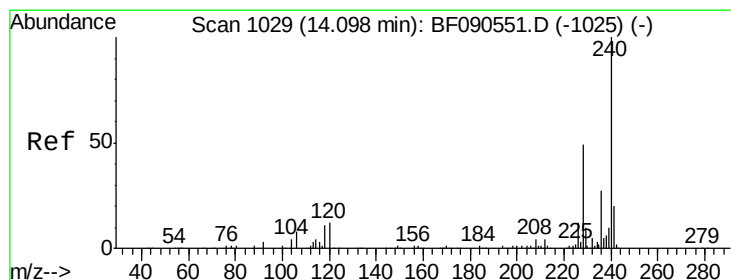
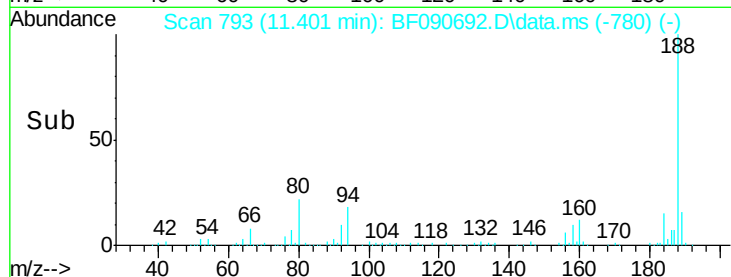
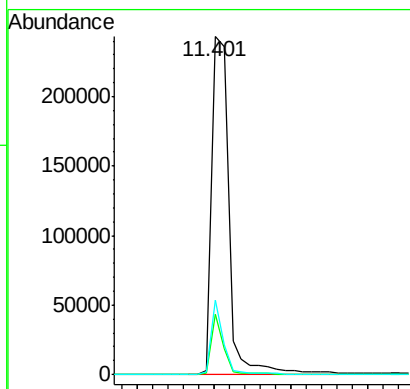
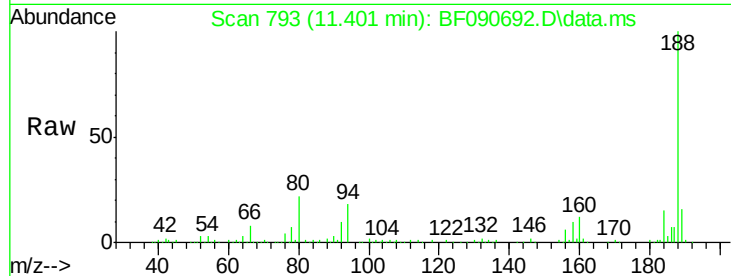




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.401 min Scan# 79  
Delta R.T. -0.046 min  
Lab File: BF090692.D  
Acq: 20 Oct 2016 19:48

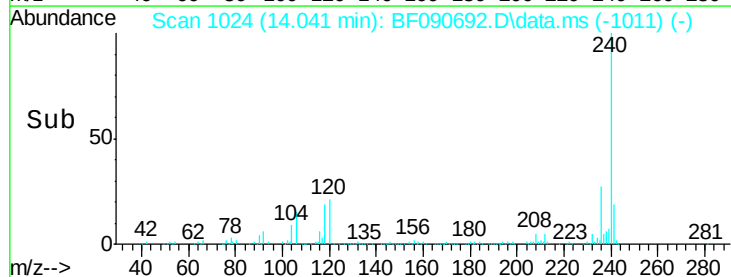
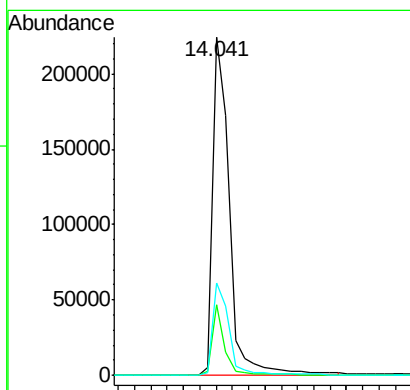
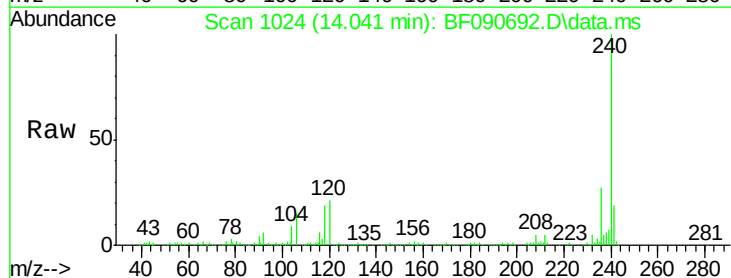
Instrument :  
BNA\_F  
ClientSampleId :  
RMAB-SB02-17.5-18.0

Tot Ion:188 Resp: 380113  
Ion Ratio Lower Upper  
188 100  
94 17.8 7.7 11.5#  
80 21.9 8.6 12.8#

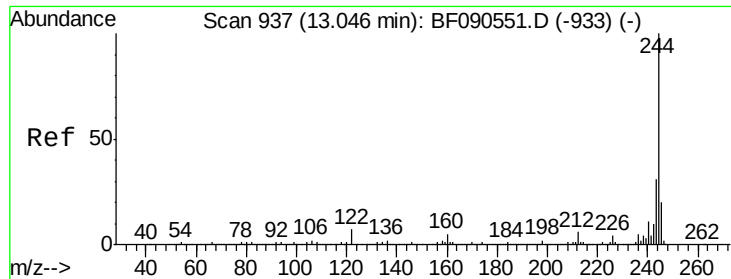


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.041 min Scan# 1024  
Delta R.T. -0.046 min  
Lab File: BF090692.D  
Acq: 20 Oct 2016 19:48

Tgt Ion:240 Resp: 321228  
Ion Ratio Lower Upper  
240 100  
120 20.8 9.8 14.8#  
236 27.3 21.7 32.5







#78

Terphenyl-d14

Concen: 57.01 ng

RT: 12.989 min Scan# 93

Delta R.T. -0.046 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB02-17.5-18.0

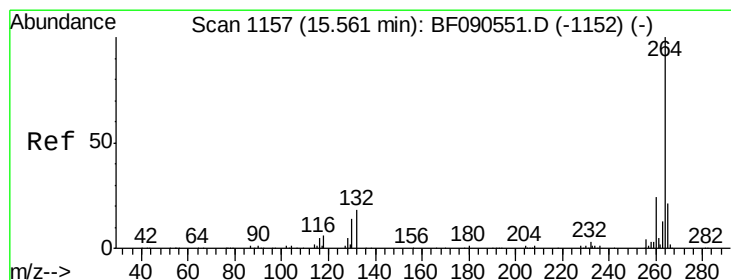
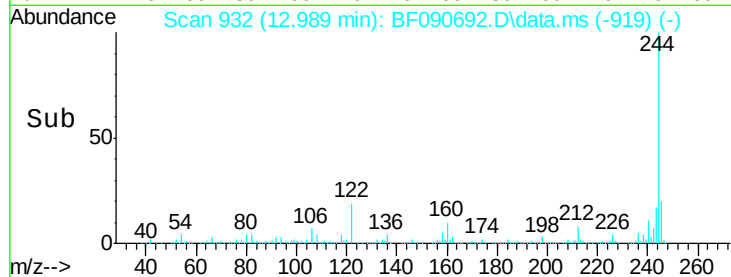
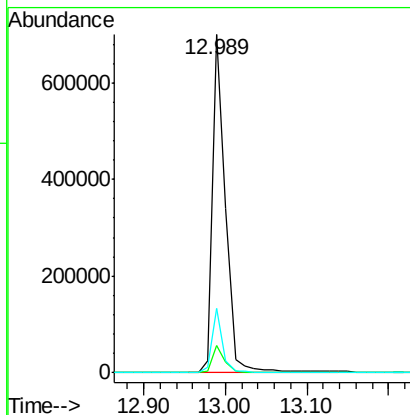
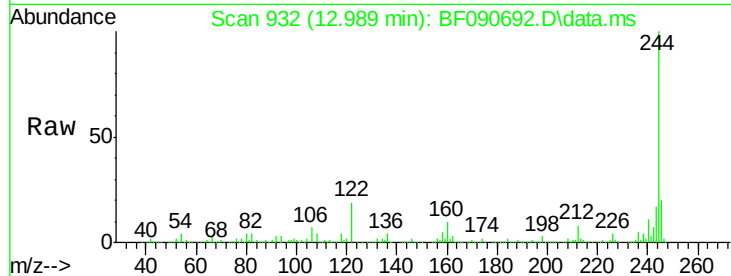
Tot Ion:244 Resp: 786477

Ion Ratio Lower Upper

244 100

212 8.1 5.0 7.4#

122 18.9 5.6 8.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.493 min Scan# 1151

Delta R.T. -0.046 min

Lab File: BF090692.D

Acq: 20 Oct 2016 19:48

Tgt Ion:264 Resp: 252294

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

265 21.2 16.7 25.1

