

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070716\  
 Data File : BF088801.D  
 Acq On : 8 Jul 2016 2:01  
 Operator : UM/SJ  
 Sample : H3889-08 5X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-8

Quant Time: Jul 08 03:54:58 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 01:56:42 2016  
 Response via : Initial Calibration

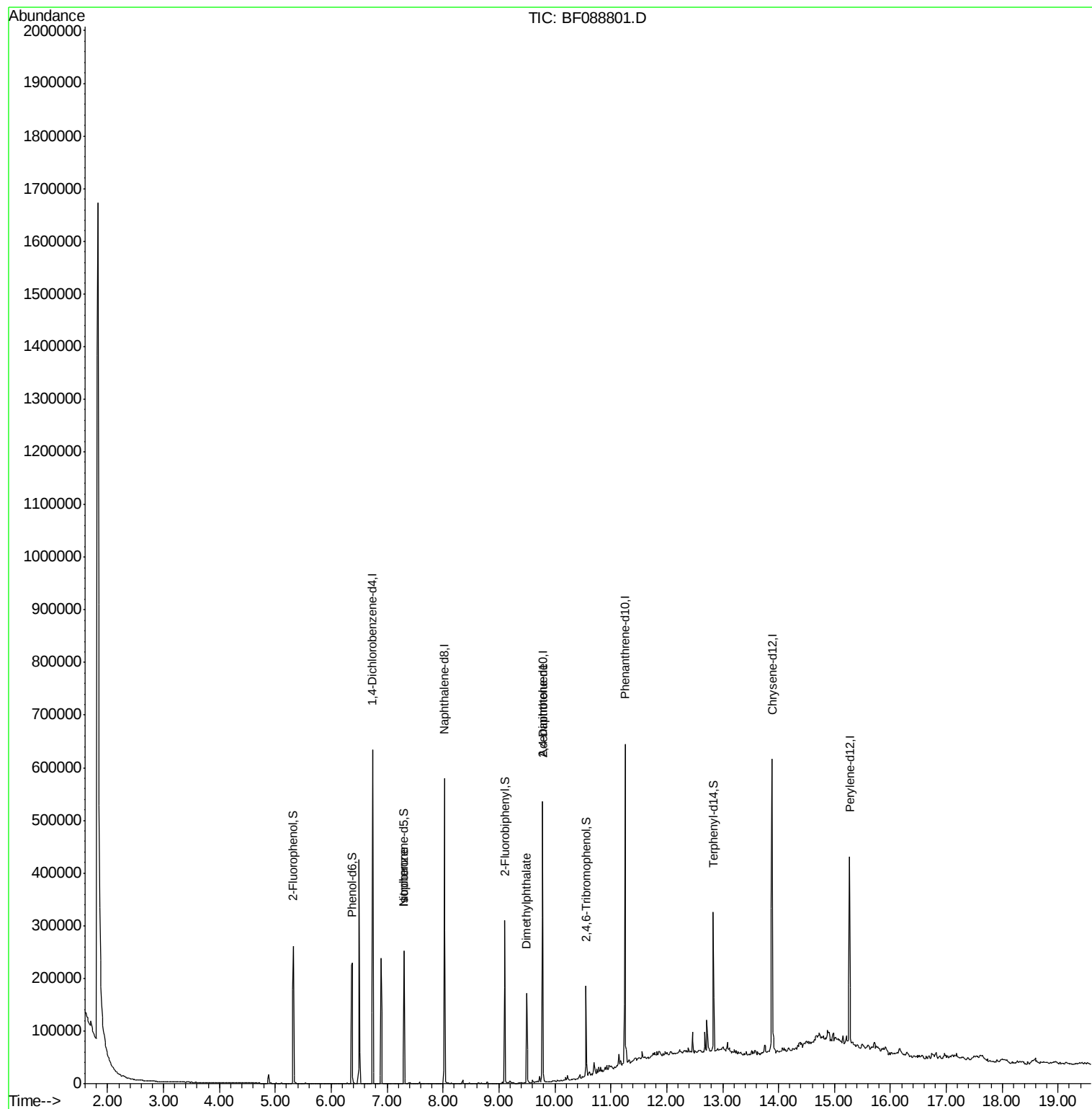
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 89880    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 309205   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 125399   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.26 | 188  | 201238   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.89 | 240  | 185044   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.27 | 264  | 137481   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 96331    | 16.06 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 123821   | 15.98 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 78093    | 13.24 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 17111    | 14.69 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 122094   | 15.38 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 76907    | 9.26  | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.30  | 82   | 66337    | 6.07  | ng    | # 65     |
| 49) Dimethylphthalate       | 9.50  | 163  | 73552    | 8.23  | ng    | 98       |
| 56) 2,4-Dinitrotoluene      | 9.78  | 165  | 15400    | 5.95  | ng    | # 38     |

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

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070716\  
Data File : BF088801.D  
Acq On : 8 Jul 2016 2:01  
Operator : UM/SJ  
Sample : H3889-08 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SS-8

Quant Time: Jul 08 03:54:58 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 08 01:56:42 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

Instrument :

BNA\_F

ClientSampleId :

SS-8

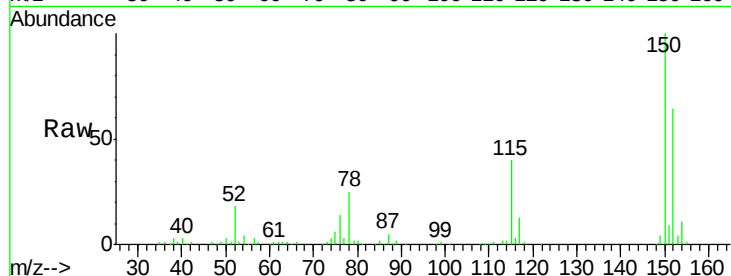
Tgt Ion:152 Resp: 89880

Ion Ratio Lower Upper

152 100

150 155.7 123.8 185.6

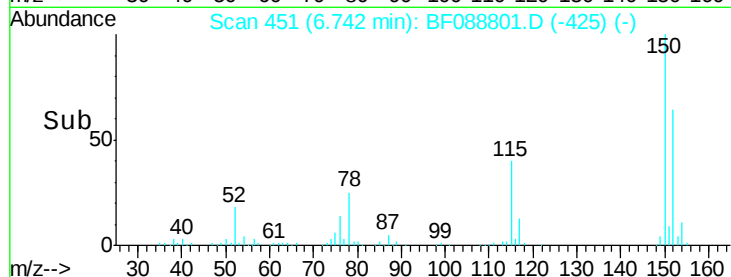
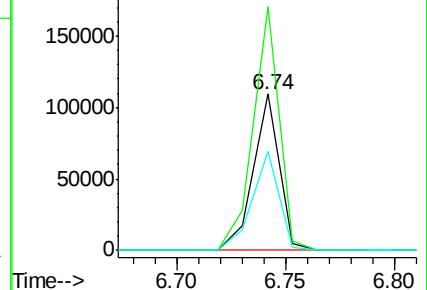
115 62.9 39.6 59.4#



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: 16.06 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

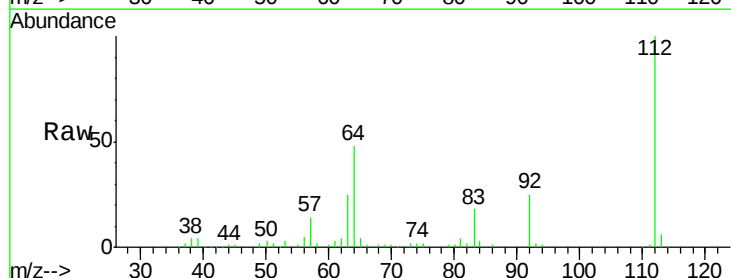
Tgt Ion:112 Resp: 96331

Ion Ratio Lower Upper

112 100

64 47.6 42.2 63.2

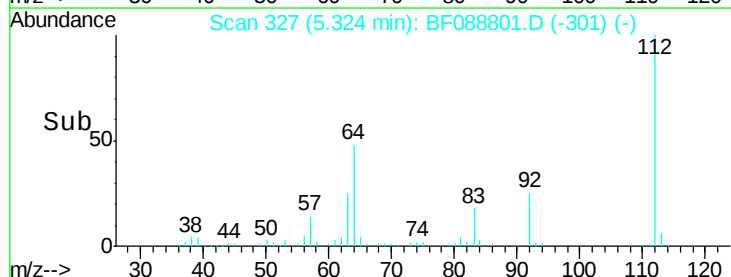
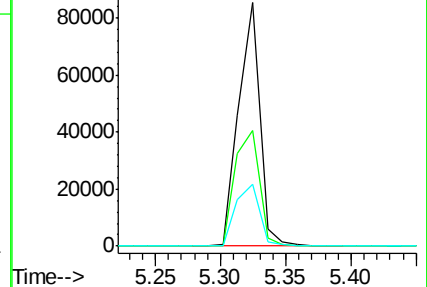
63 25.4 21.8 32.8



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: 15.98 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

Instrument :

BNA\_F

ClientSampleId :

SS-8

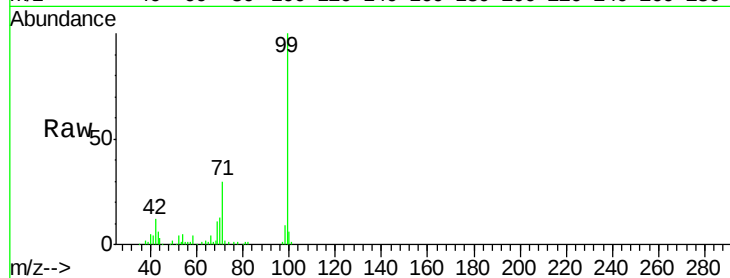
Tgt Ion: 99 Resp: 123821

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

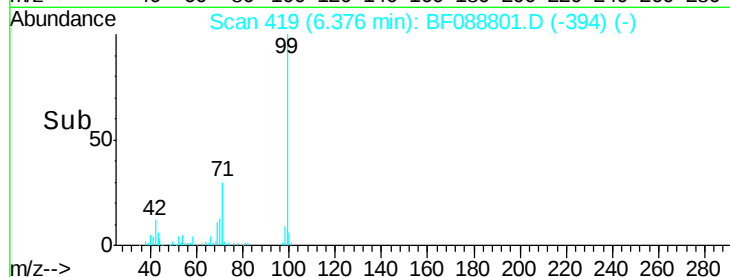
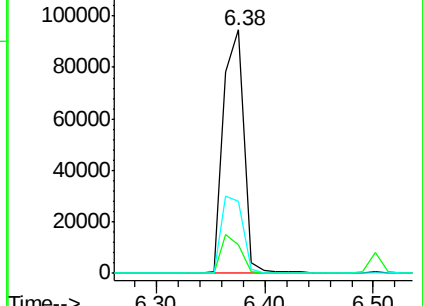
71 29.7 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

Tgt Ion: 136 Resp: 309205

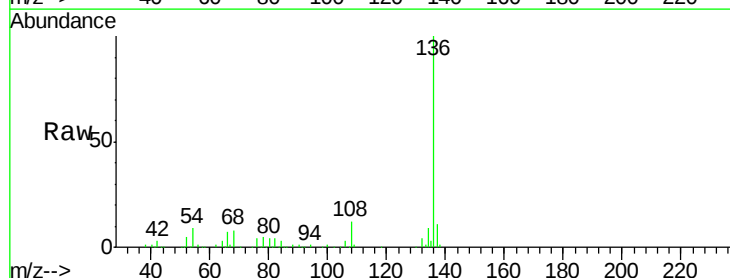
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.3 6.6 10.0

68 7.5 5.1 7.7

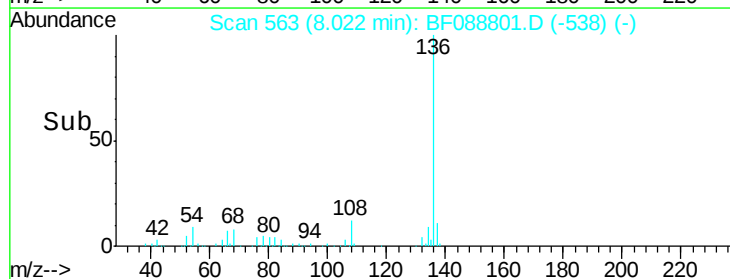
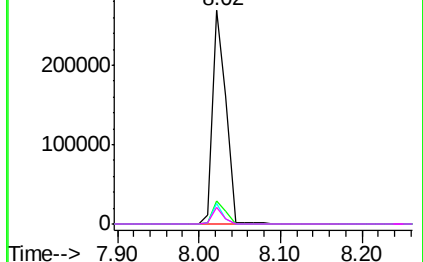


Abundance Ion 136.00 (135.70 to 136.70): E

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

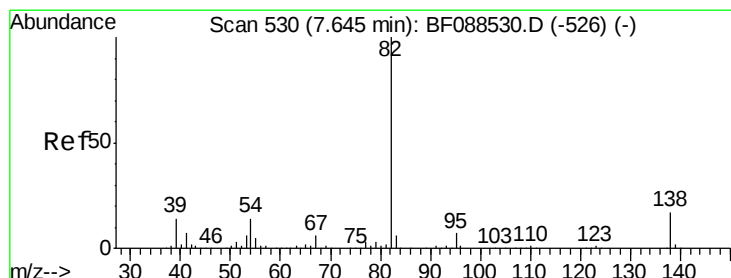
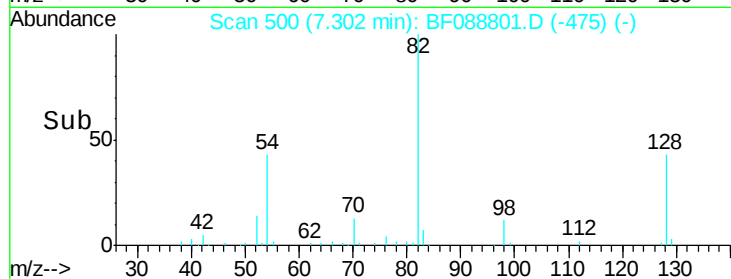
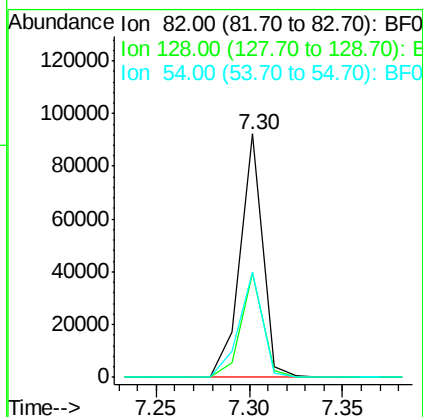
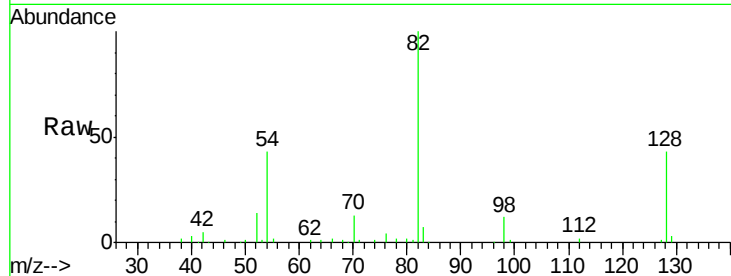




#23  
 Nitrobenzene-d5  
 Concen: 13.24 ng  
 RT: 7.30 min Scan# 500  
 Delta R.T. -0.01 min  
 Lab File: BF088801.D  
 Acq: 8 Jul 2016 2:01

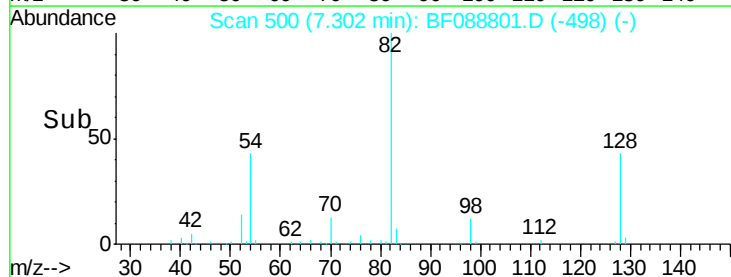
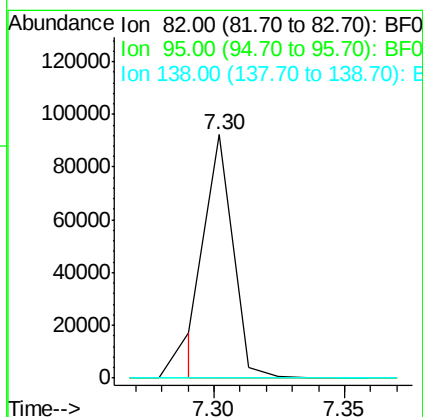
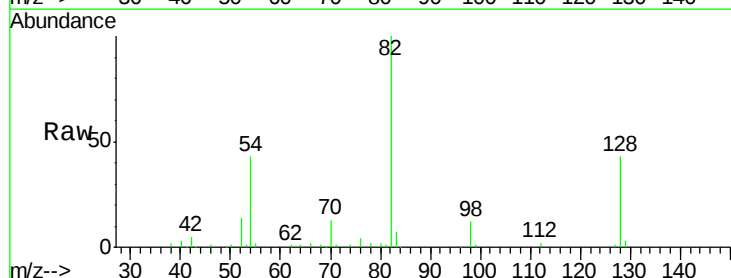
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-8

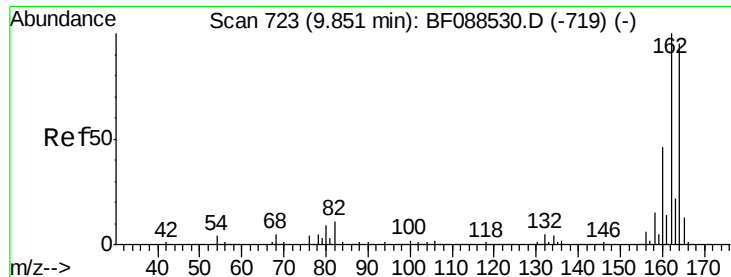
Tgt Ion: 82 Resp: 78093  
 Ion Ratio Lower Upper  
 82 100  
 128 43.0 35.9 53.9  
 54 43.5 40.9 61.3



#25  
 Isophorone  
 Concen: 6.07 ng  
 RT: 7.30 min Scan# 500  
 Delta R.T. -0.27 min  
 Lab File: BF088801.D  
 Acq: 8 Jul 2016 2:01

Tgt Ion: 82 Resp: 66337  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.2#  
 138 0.0 14.6 21.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

Instrument :

BNA\_F

ClientSampleId :

SS-8

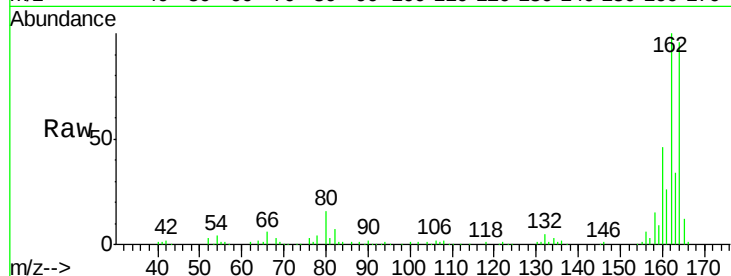
Tgt Ion:164 Resp: 125399

Ion Ratio Lower Upper

164 100

162 104.6 85.4 128.2

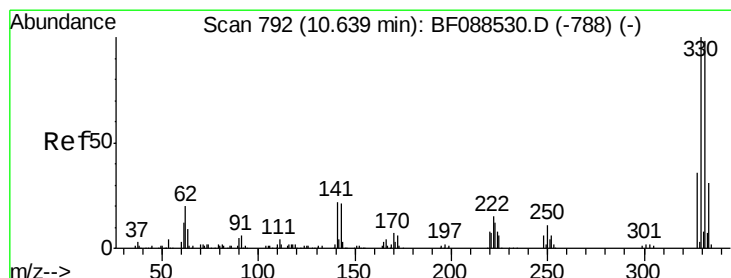
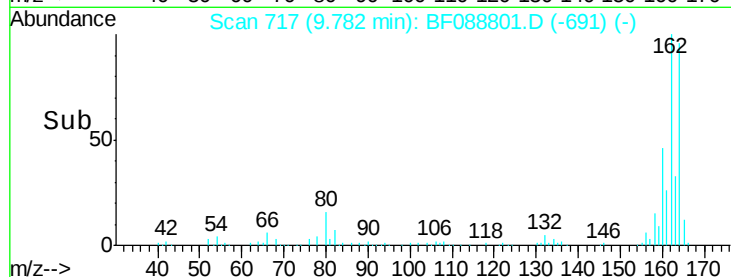
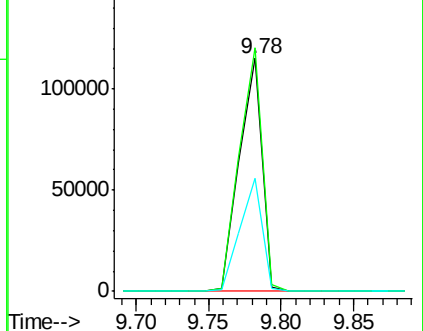
160 48.3 39.5 59.3



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: 14.69 ng

RT: 10.56 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

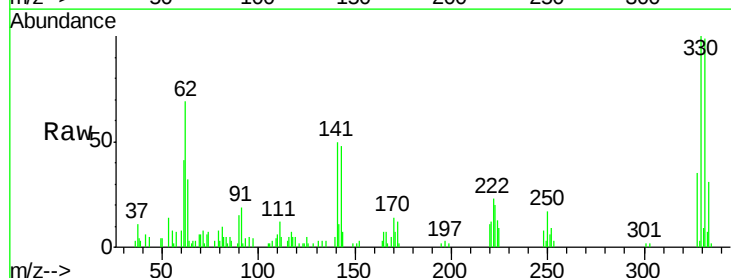
Tgt Ion:330 Resp: 17111

Ion Ratio Lower Upper

330 100

332 97.6 0.0 0.0#

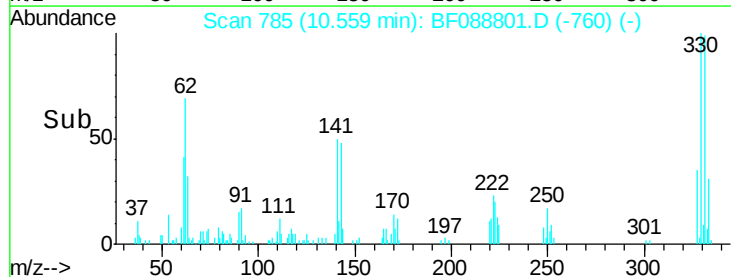
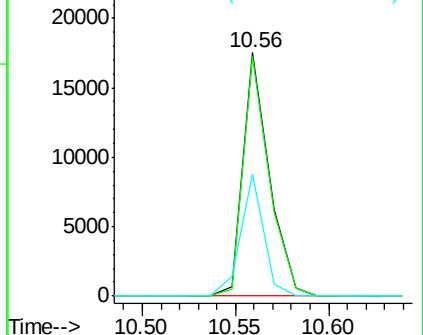
141 44.4 0.0 0.0#



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

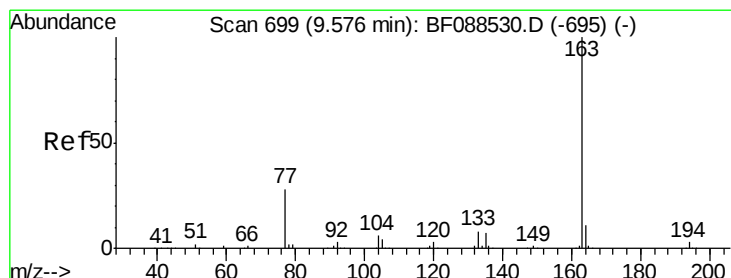
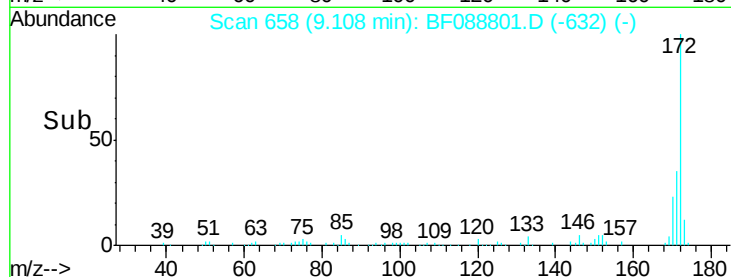
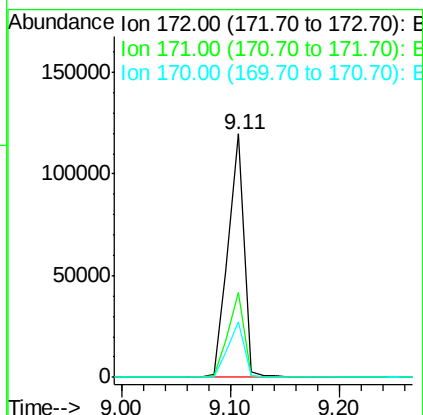
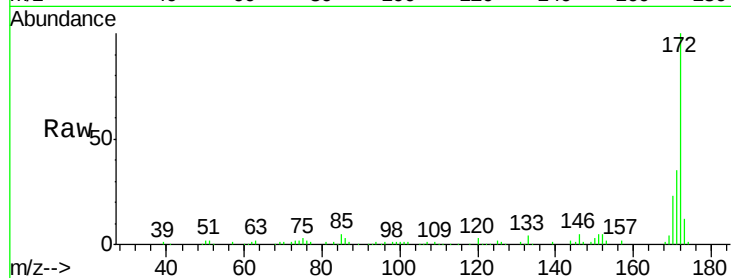




#44  
 2-Fluorobiphenyl  
 Concen: 15.38 ng  
 RT: 9.11 min Scan# 658  
 Delta R.T. 0.00 min  
 Lab File: BF088801.D  
 Acq: 8 Jul 2016 2:01

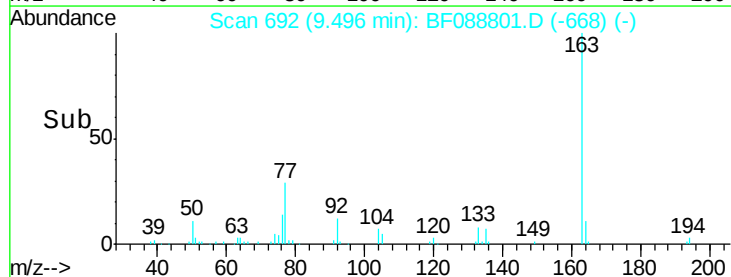
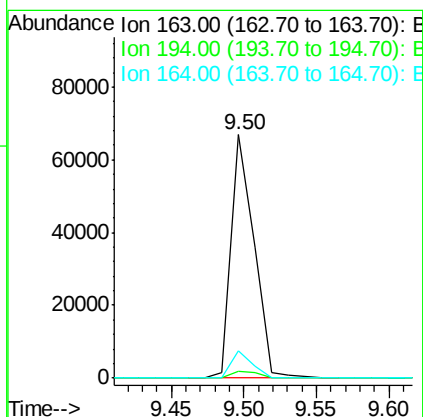
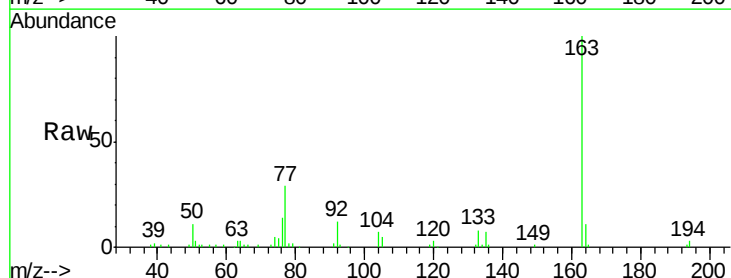
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-8

Tgt Ion:172 Resp: 122094  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.6 43.0  
 170 22.7 19.2 28.8



#49  
 Dimethylphthalate  
 Concen: 8.23 ng  
 RT: 9.50 min Scan# 692  
 Delta R.T. -0.02 min  
 Lab File: BF088801.D  
 Acq: 8 Jul 2016 2:01

Tgt Ion:163 Resp: 73552  
 Ion Ratio Lower Upper  
 163 100  
 194 3.0 2.8 4.2  
 164 11.0 8.3 12.5

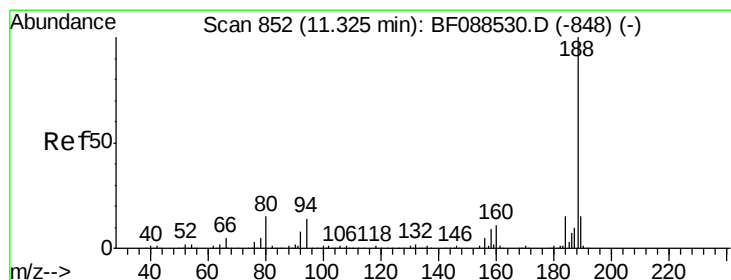
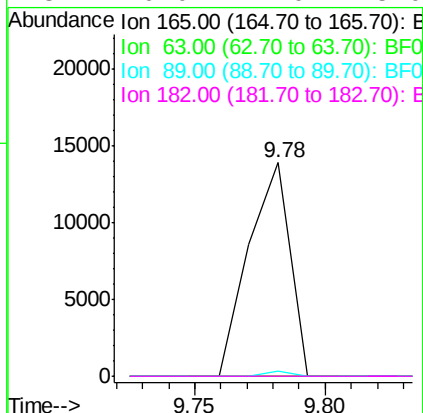
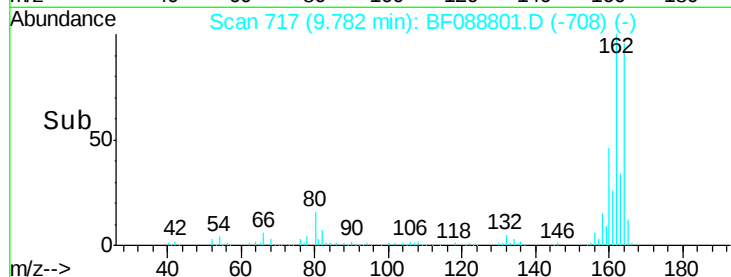
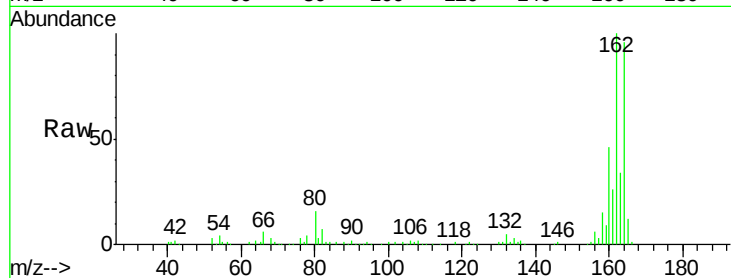




#56  
2,4-Dinitrotoluene  
Concen: 5.95 ng  
RT: 9.78 min Scan# 717  
Delta R.T. -0.19 min  
Lab File: BF088801.D  
Acq: 8 Jul 2016 2:01

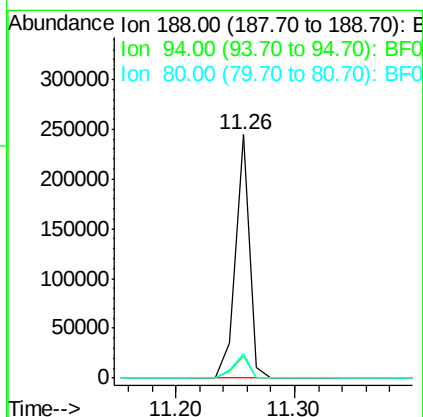
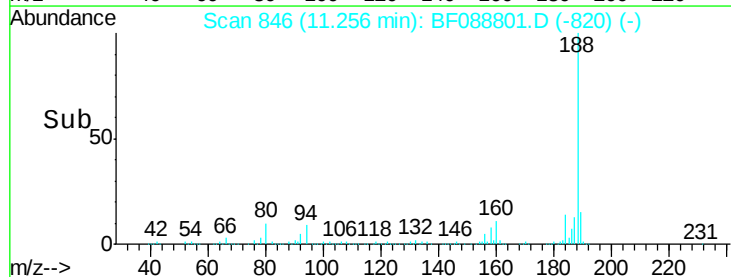
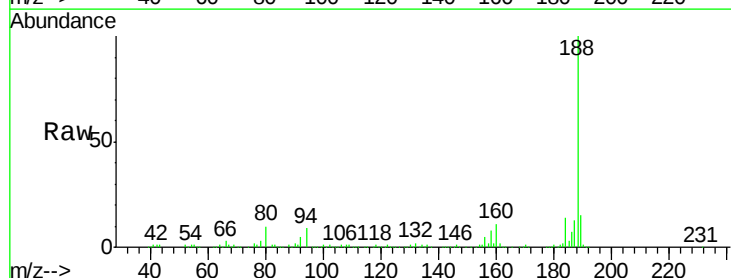
Instrument :  
BNA\_F  
ClientSampleId :  
SS-8

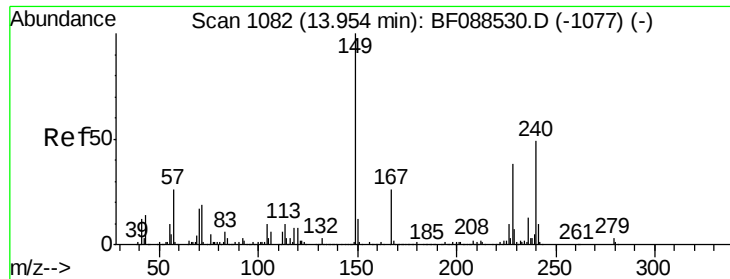
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 15400 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 22.0  | 33.0# |
| 89        | 2.3   | 41.1  | 61.7# |
| 182       | 0.0   | 2.0   | 3.0#  |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 846  
Delta R.T. 0.00 min  
Lab File: BF088801.D  
Acq: 8 Jul 2016 2:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 201238 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.2   | 9.0   | 13.6   |
| 80        | 10.0  | 10.0  | 15.0   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

Instrument :

BNA\_F

ClientSampled :

SS-8

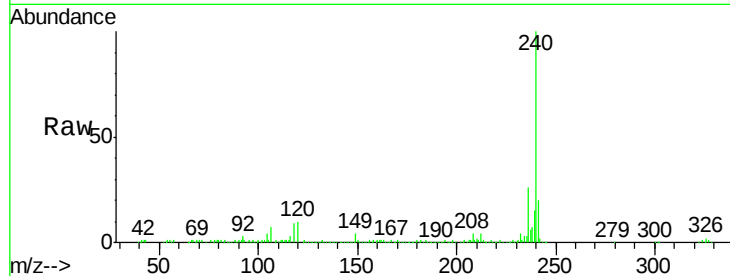
Tgt Ion:240 Resp: 185044

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

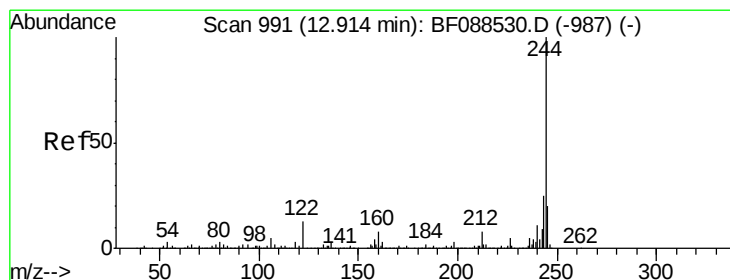
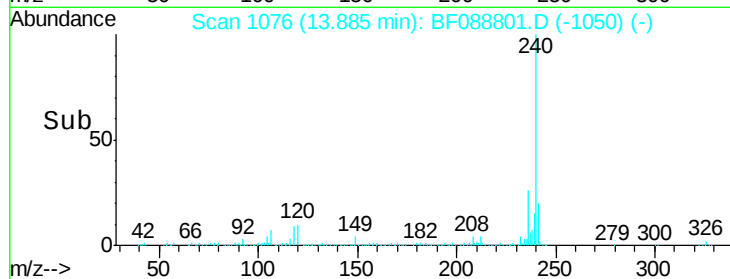
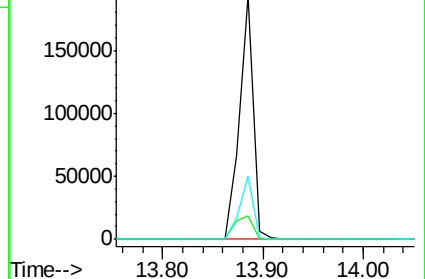
236 26.1 20.2 30.2



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: 9.26 ng

RT: 12.83 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF088801.D

Acq: 8 Jul 2016 2:01

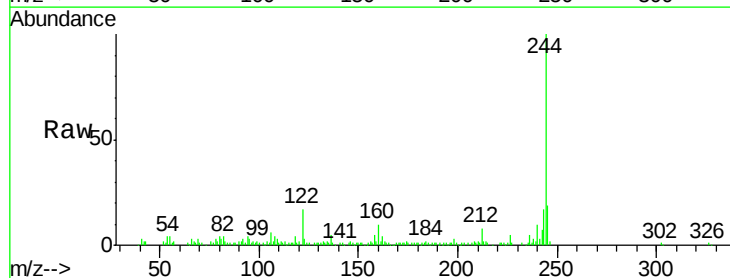
Tgt Ion:244 Resp: 76907

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

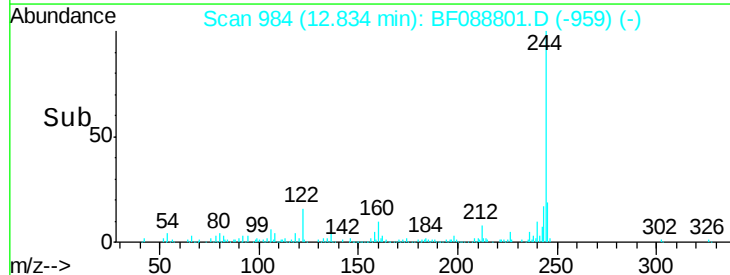
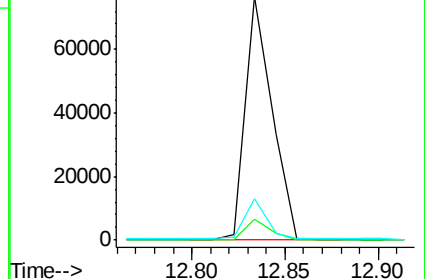
122 16.8 11.2 16.8#

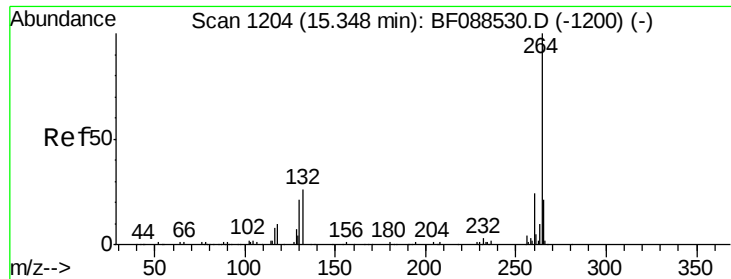


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.27 min Scan# 1197  
Delta R.T. 0.00 min  
Lab File: BF088801.D  
Acq: 8 Jul 2016 2:01

Instrument :  
BNA\_F  
ClientSampleId :  
SS-8

Tgt Ion: 264 Resp: 137481  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.2 28.8  
265 21.5 16.9 25.3

