

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070816\  
 Data File : BF088833.D  
 Acq On : 8 Jul 2016 19:26  
 Operator : UM/SJ  
 Sample : H3813-03 50X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 08 23:22:46 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 18:51:20 2016  
 Response via : Initial Calibration

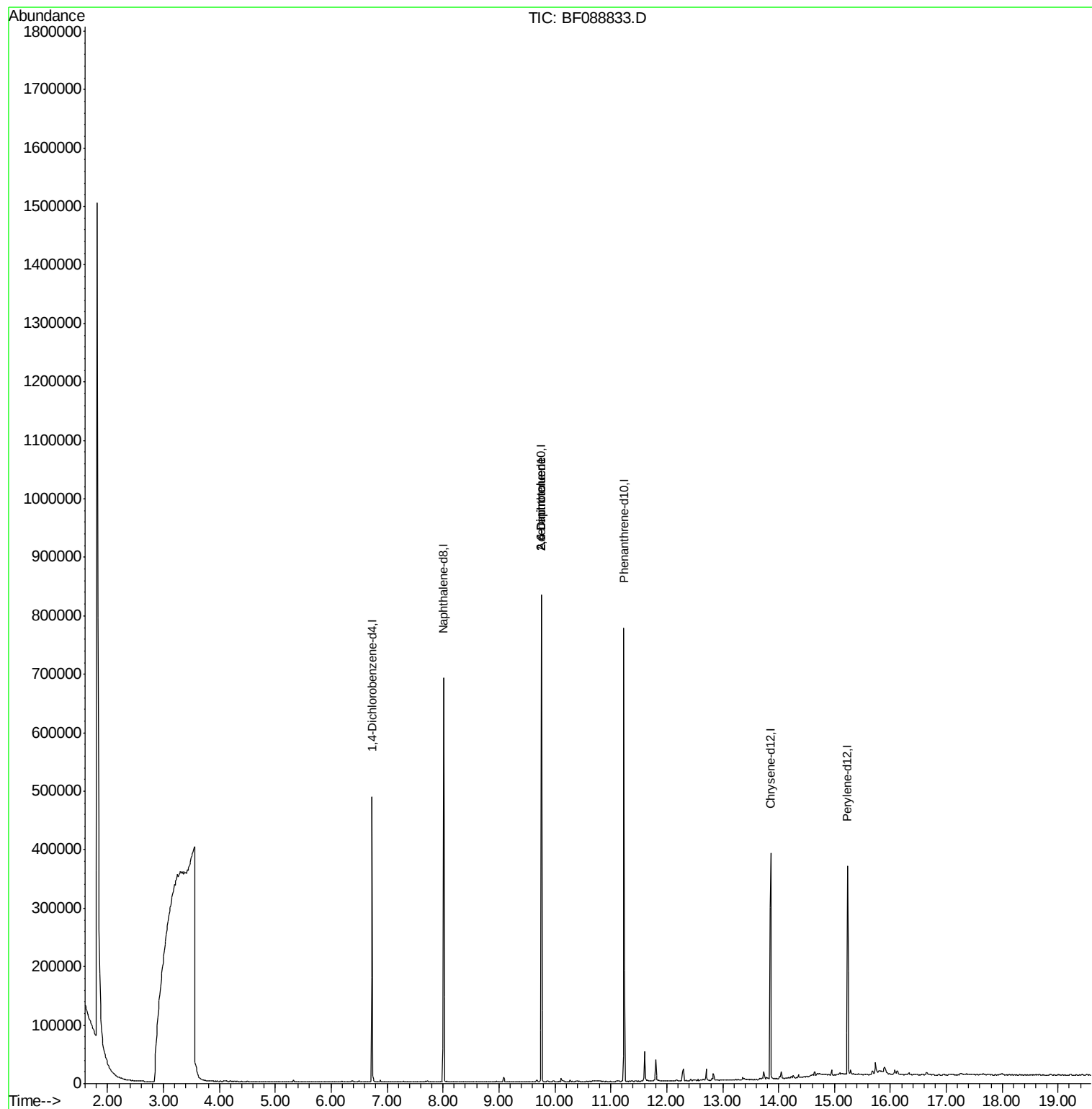
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 78156    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 301540   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.76  | 164  | 148596   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.23 | 188  | 269287   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.86 | 240  | 172751   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.23 | 264  | 154575   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 1163     | 0.22  | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 1477     | 0.22  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 968      | 0.17  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 2040     | 0.22  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.81 | 244  | 1794     | 0.23  | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 50) 2,6-Dinitrotoluene      | 9.76  | 165  | 18906    | 8.06  | ng    | # 39     |
| 56) 2,4-Dinitrotoluene      | 9.76  | 165  | 18906    | 6.16  | ng    | # 37     |

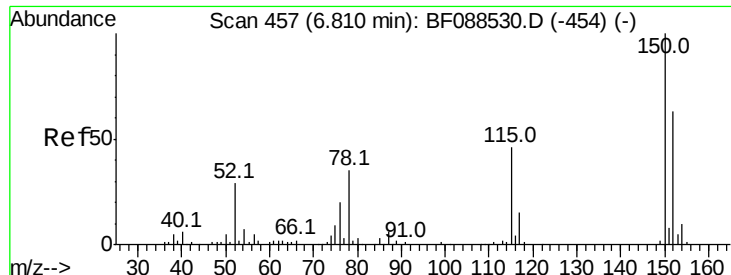
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 08 18:51:20 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088833.D

Acq: 8 Jul 2016 19:26

Instrument :

BNA\_F

ClientSampleId :

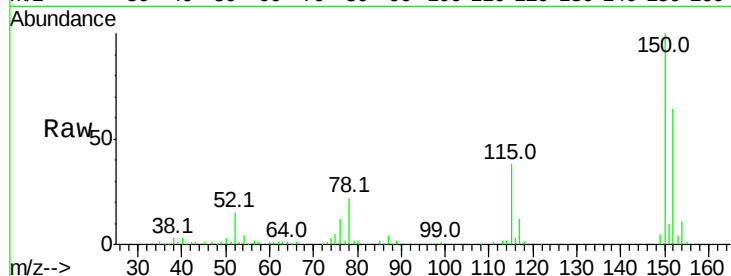
Tot Ion:152 Resp: 78156

Ion Ratio Lower Upper

152 100

150 155.2 123.8 185.6

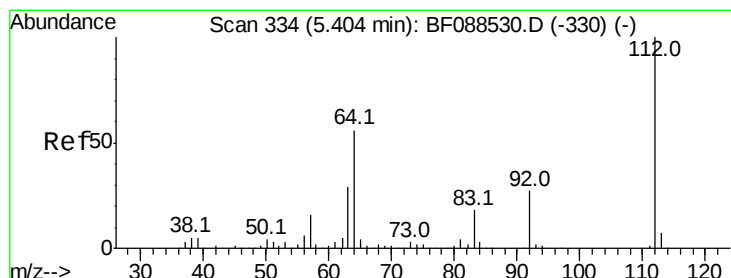
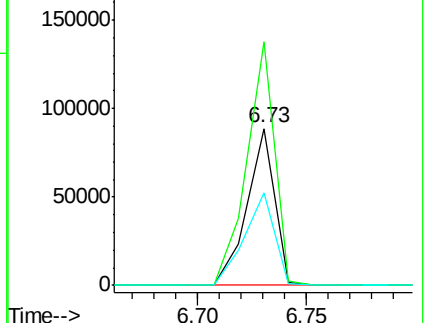
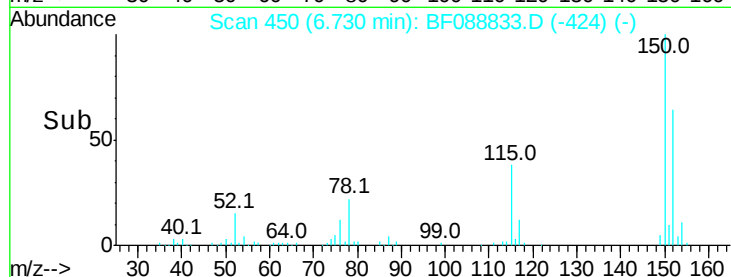
115 59.1 39.6 59.4



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: 0.22 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088833.D

Acq: 8 Jul 2016 19:26

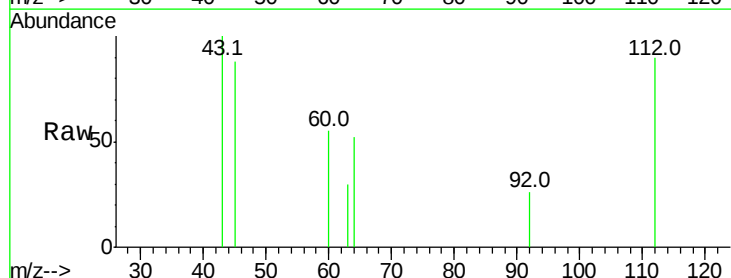
Tgt Ion:112 Resp: 1163

Ion Ratio Lower Upper

112 100

64 57.8 42.2 63.2

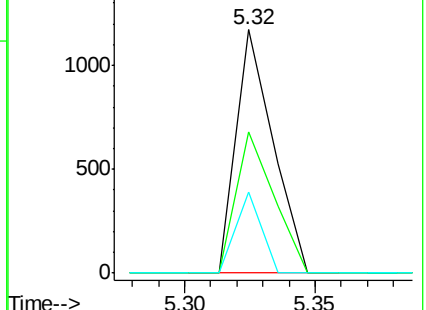
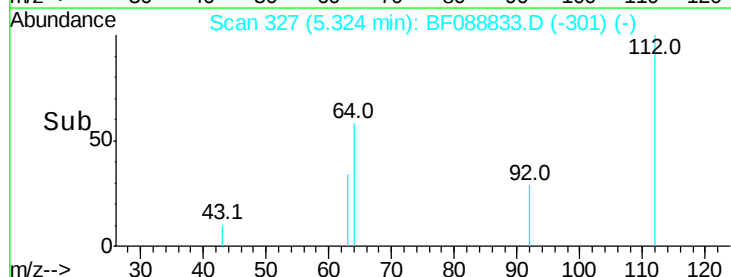
63 33.5 21.8 32.8#

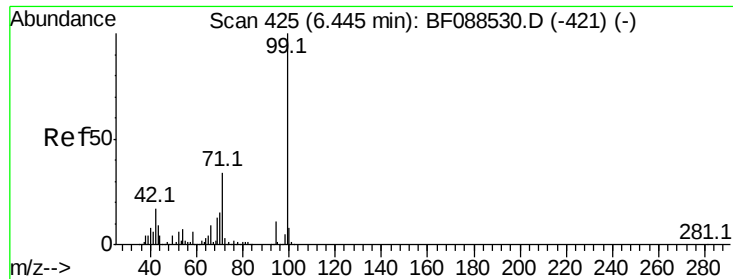


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.22 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF088833.D

Acq: 8 Jul 2016 19:26

Instrument :

BNA\_F

ClientSampled :

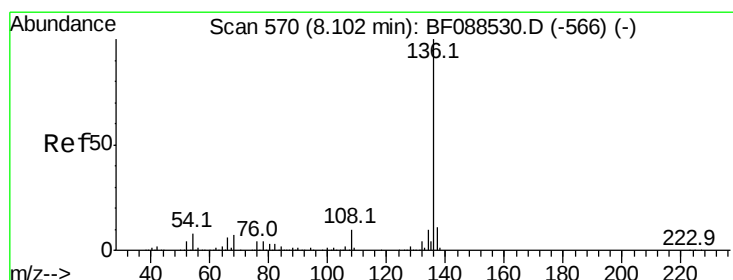
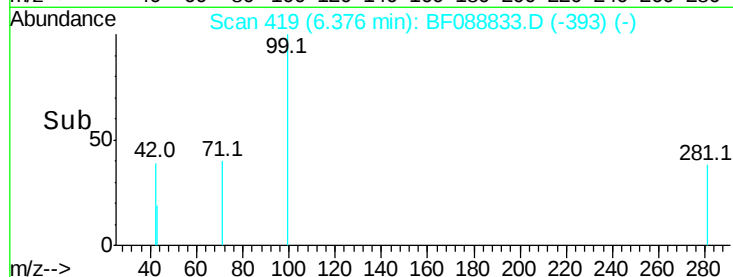
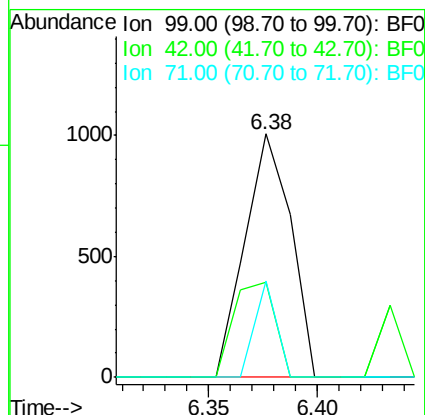
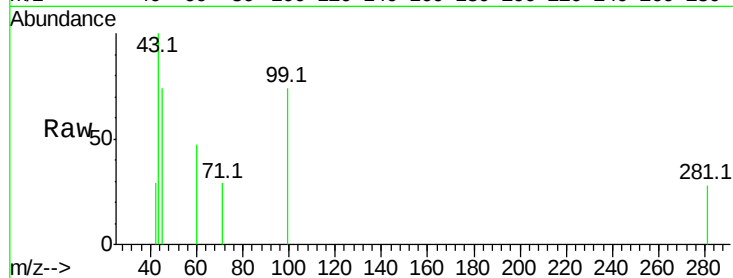
Tot Ion: 99 Resp: 1477

Ion Ratio Lower Upper

99 100

42 39.0 12.2 18.2#

71 39.8 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088833.D

Acq: 8 Jul 2016 19:26

Tgt Ion: 136 Resp: 301540

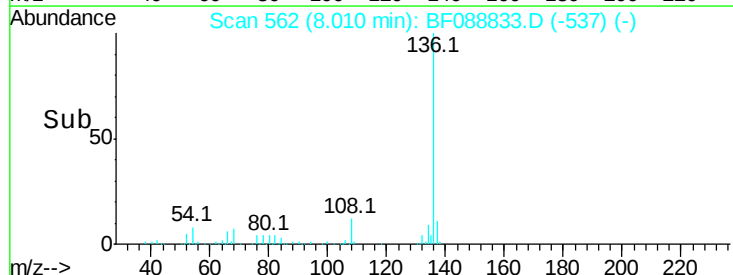
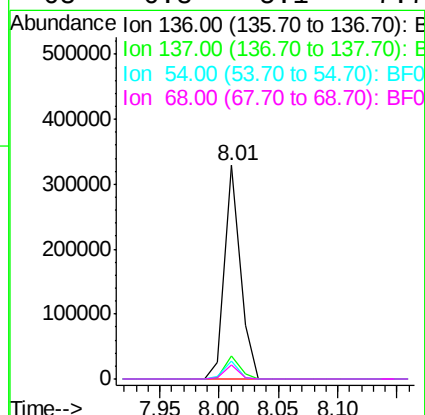
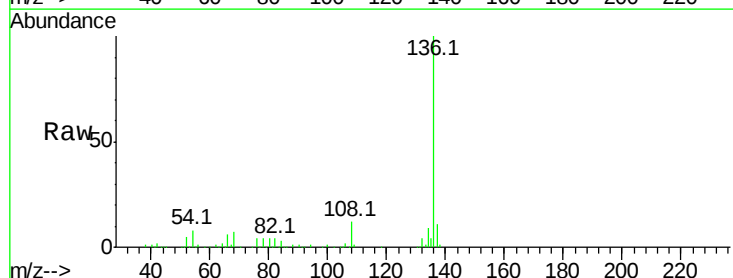
Ion Ratio Lower Upper

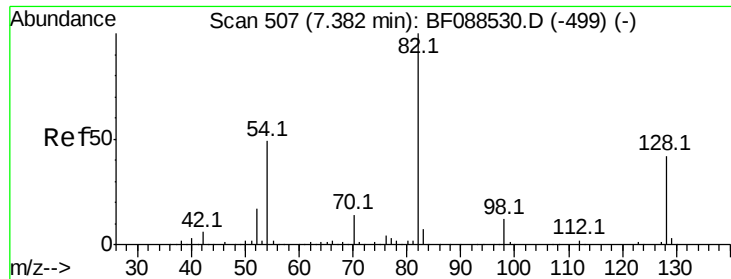
136 100

137 11.0 9.1 13.7

54 8.4 6.6 10.0

68 6.8 5.1 7.7

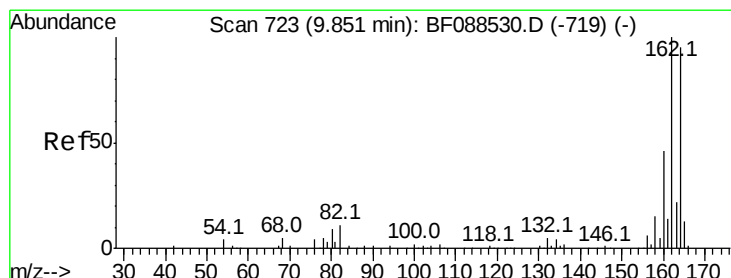
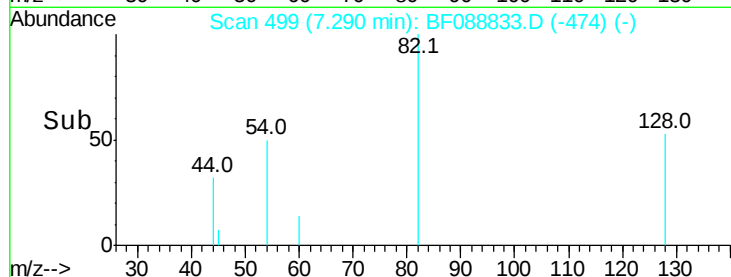
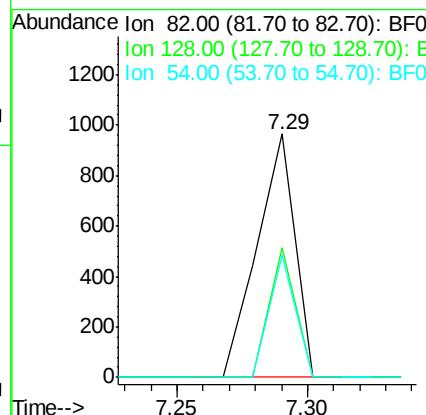
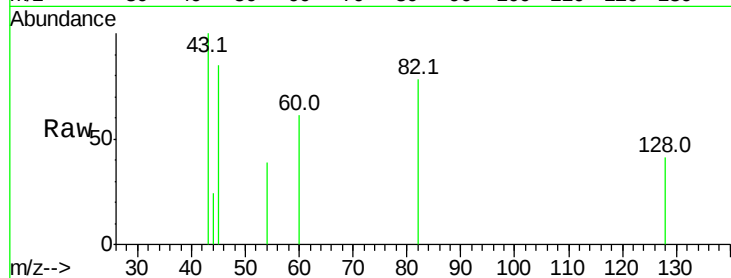




#23  
 Nitrobenzene-d5  
 Concen: 0.17 ng  
 RT: 7.29 min Scan# 499  
 Delta R.T. -0.01 min  
 Lab File: BF088833.D  
 Acq: 8 Jul 2016 19:26

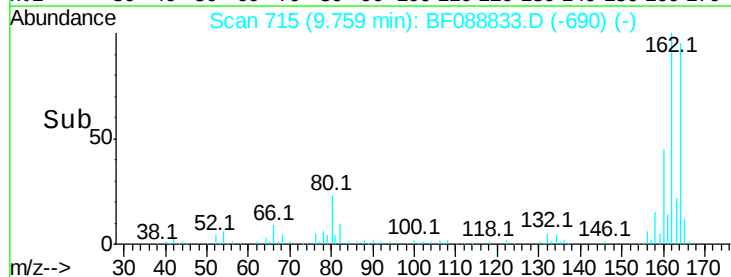
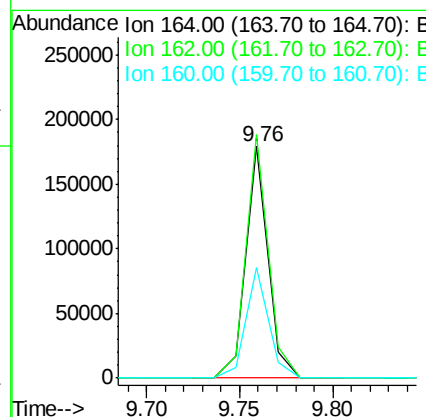
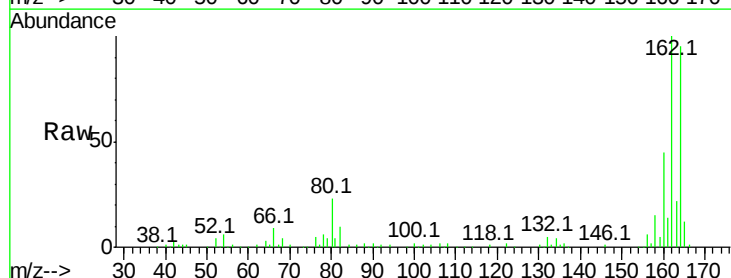
Instrument :  
 BNA\_F  
 ClientSampled :

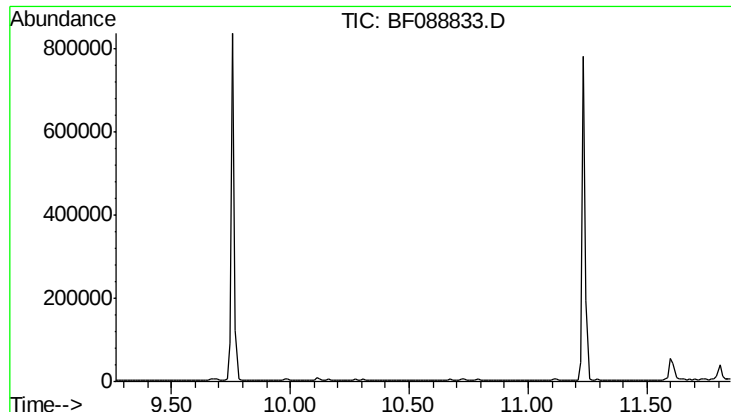
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 53.0  | 35.9  | 53.9  |
| 54      | 49.9  | 40.9  | 61.3  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.76 min Scan# 715  
 Delta R.T. -0.01 min  
 Lab File: BF088833.D  
 Acq: 8 Jul 2016 19:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.9 | 85.4  | 128.2 |
| 160     | 47.4  | 39.5  | 59.3  |

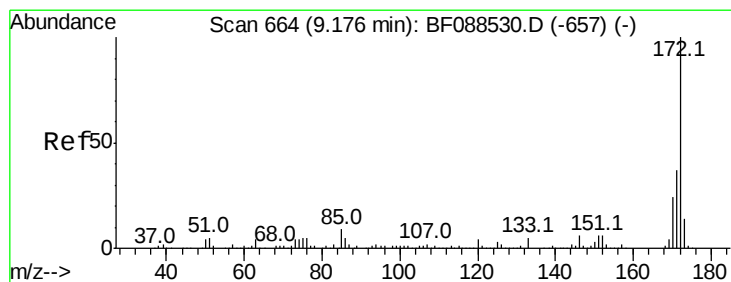
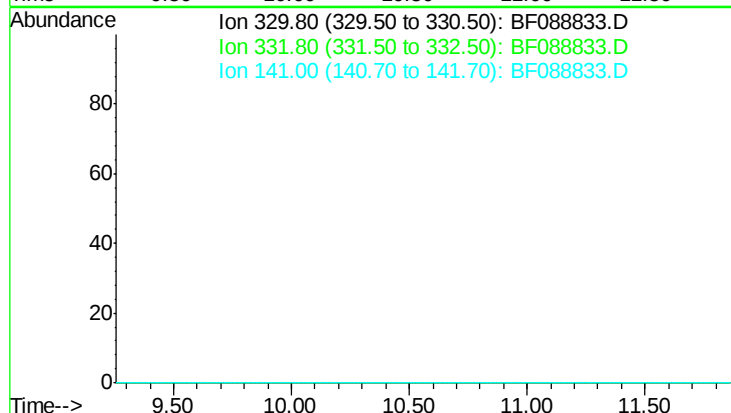




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 10.56 min  
 Lab File: BF088833.D  
 Acq: 8 Jul 2016 19:26

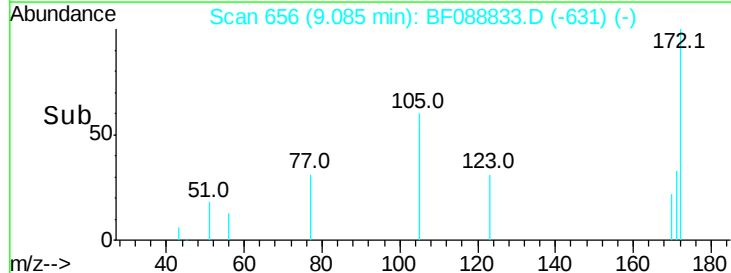
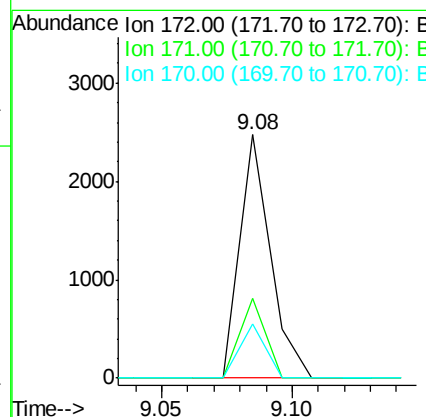
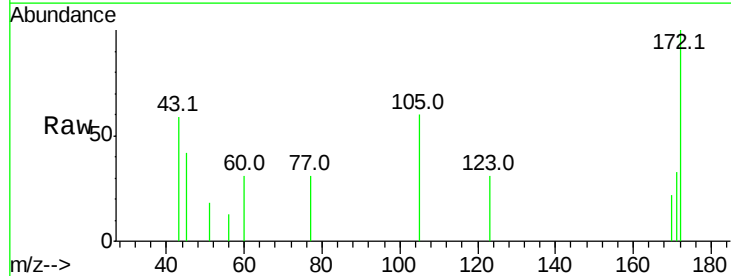
Instrument :  
 BNA\_F  
 ClientSampleId :

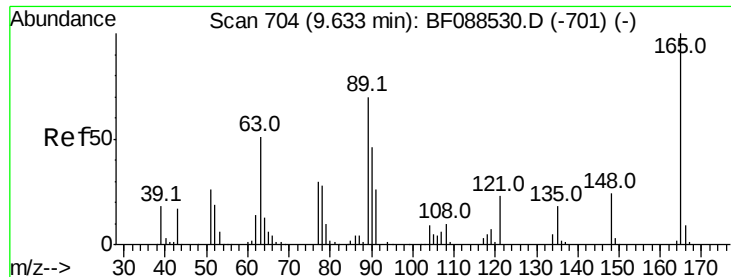
Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 0.0  
 141 0.0



#44  
 2-Fluorobiphenyl  
 Concen: 0.22 ng  
 RT: 9.08 min Scan# 656  
 Delta R.T. -0.01 min  
 Lab File: BF088833.D  
 Acq: 8 Jul 2016 19:26

Tgt Ion: 172 Resp: 2040  
 Ion Ratio Lower Upper  
 172 100  
 171 32.9 28.6 43.0  
 170 22.3 19.2 28.8

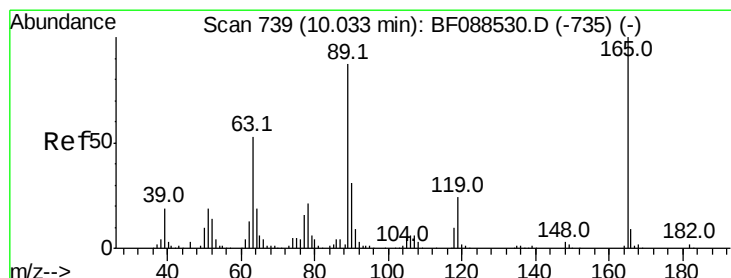
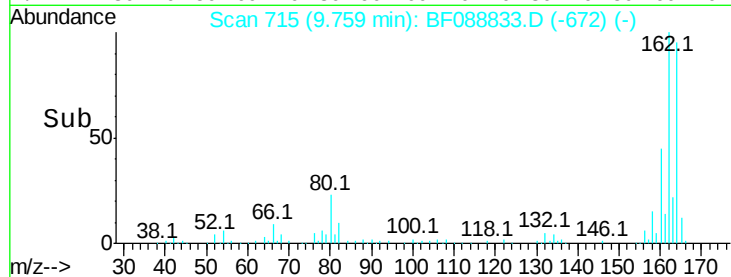
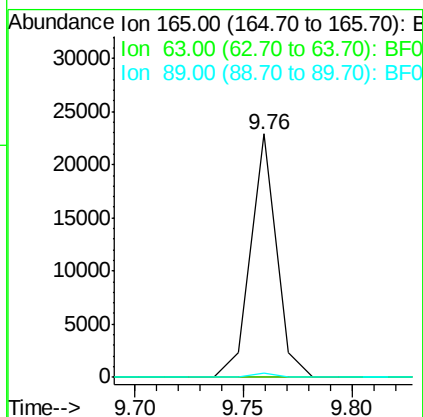
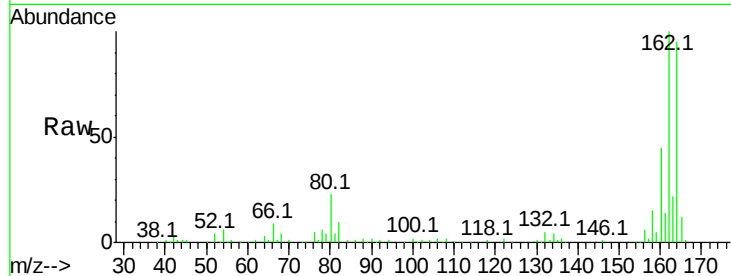




#50  
 2,6-Dinitrotoluene  
 Concen: 8.06 ng  
 RT: 9.76 min Scan# 715  
 Delta R.T. 0.19 min  
 Lab File: BF088833.D  
 Acq: 8 Jul 2016 19:26

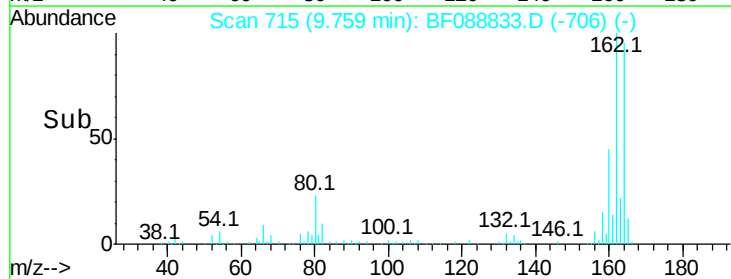
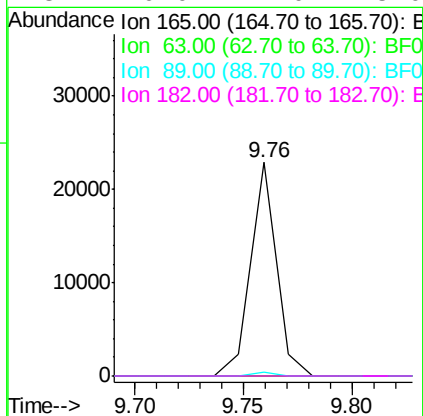
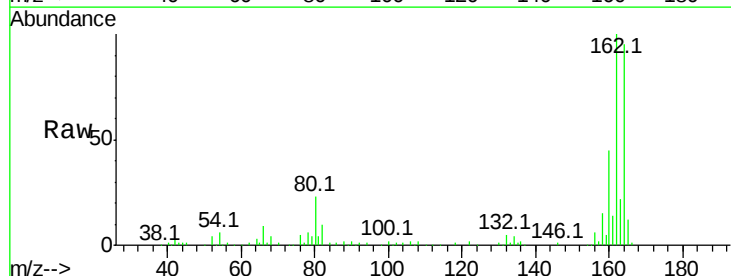
Instrument :  
 BNA\_F  
 ClientSampleId :

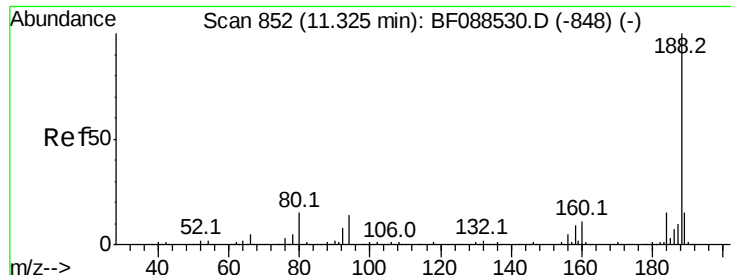
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 28.1  | 42.1# |
| 89      | 1.7   | 32.2  | 48.2# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.16 ng  
 RT: 9.76 min Scan# 715  
 Delta R.T. -0.19 min  
 Lab File: BF088833.D  
 Acq: 8 Jul 2016 19:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 22.0  | 33.0# |
| 89      | 1.7   | 41.1  | 61.7# |
| 182     | 0.0   | 2.0   | 3.0#  |

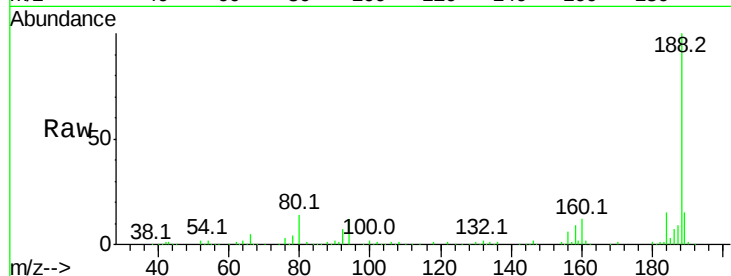




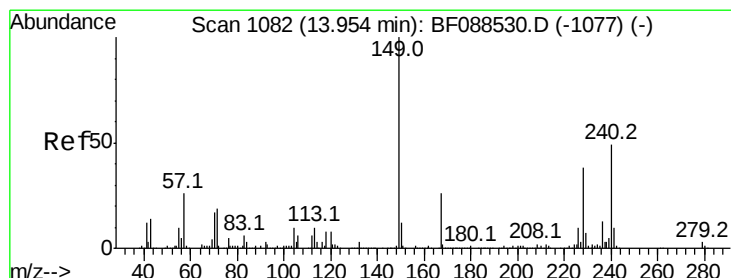
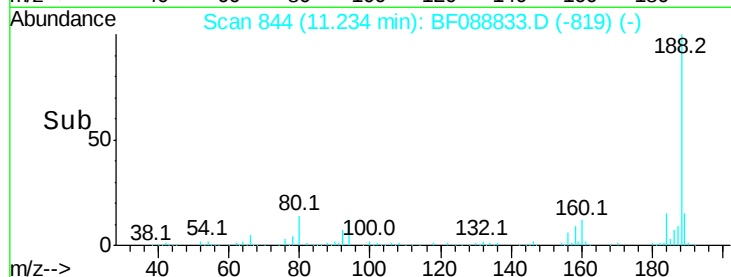
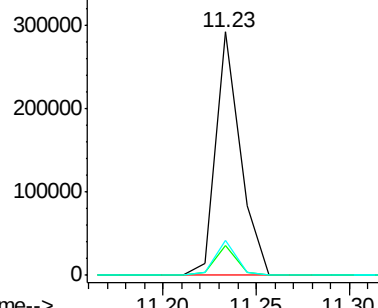
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.23 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BF088833.D  
Acq: 8 Jul 2016 19:26

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.4  | 9.0   | 13.6  |
| 80      | 14.4  | 10.0  | 15.0  |

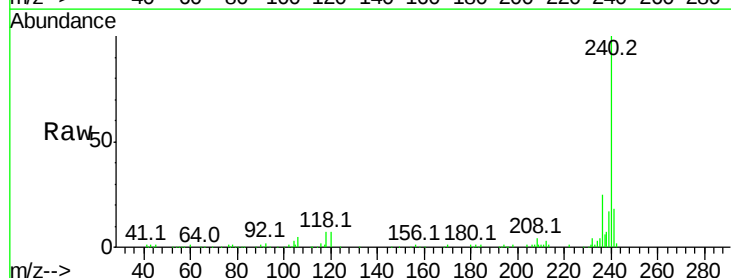


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

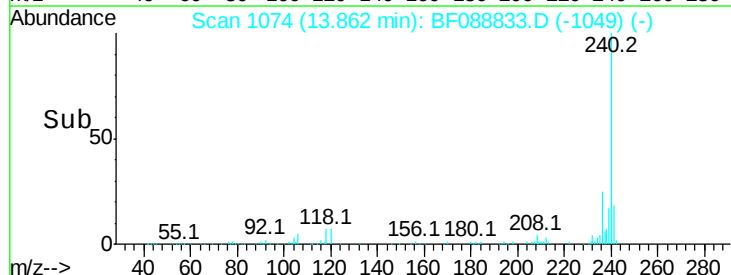
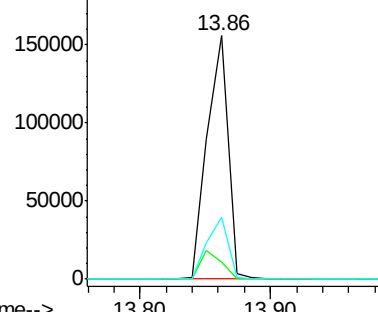


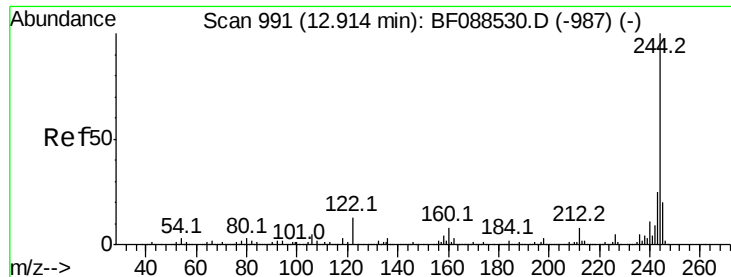
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.86 min Scan# 1074  
Delta R.T. -0.01 min  
Lab File: BF088833.D  
Acq: 8 Jul 2016 19:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.0   | 6.8   | 10.2  |
| 236     | 25.3  | 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: 0.23 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088833.D

Acq: 8 Jul 2016 19:26

Instrument :

BNA\_F

ClientSampleId :

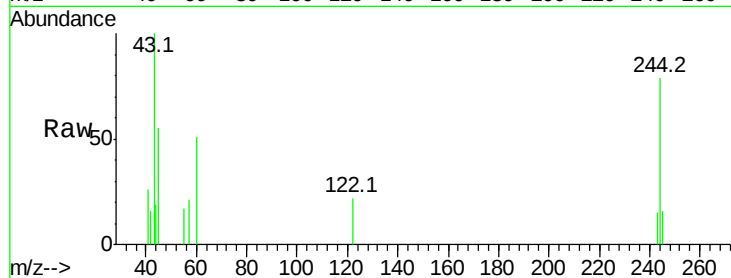
Tot Ion:244 Resp: 1794

Ion Ratio Lower Upper

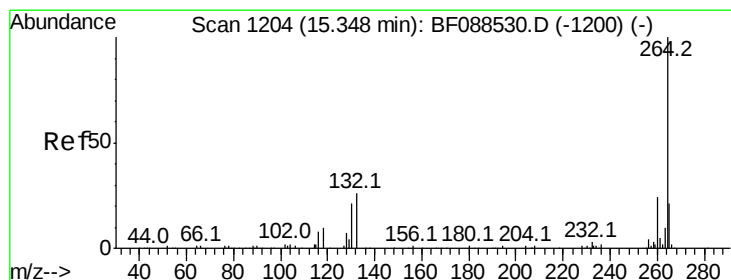
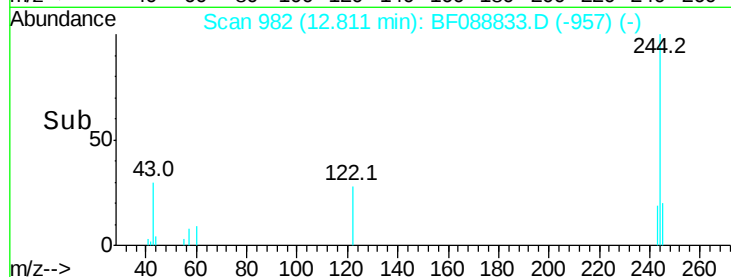
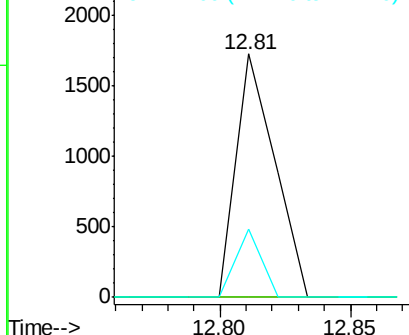
244 100

212 0.0 6.0 9.0#

122 28.1 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: 15.23 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF088833.D

Acq: 8 Jul 2016 19:26

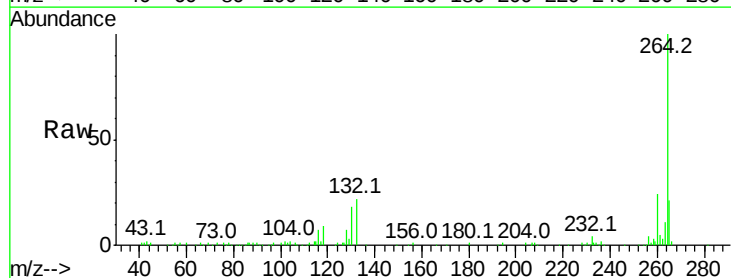
Tgt Ion:264 Resp: 154575

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.4 16.9 25.3



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

