

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF113015\  
 Data File : BF083352.D  
 Acq On : 1 Dec 2015 00:11  
 Operator : UM/IZ  
 Sample : PB86923BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86923BL

Quant Time: Dec 01 02:15:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 01 01:17:16 2015  
 Response via : Initial Calibration

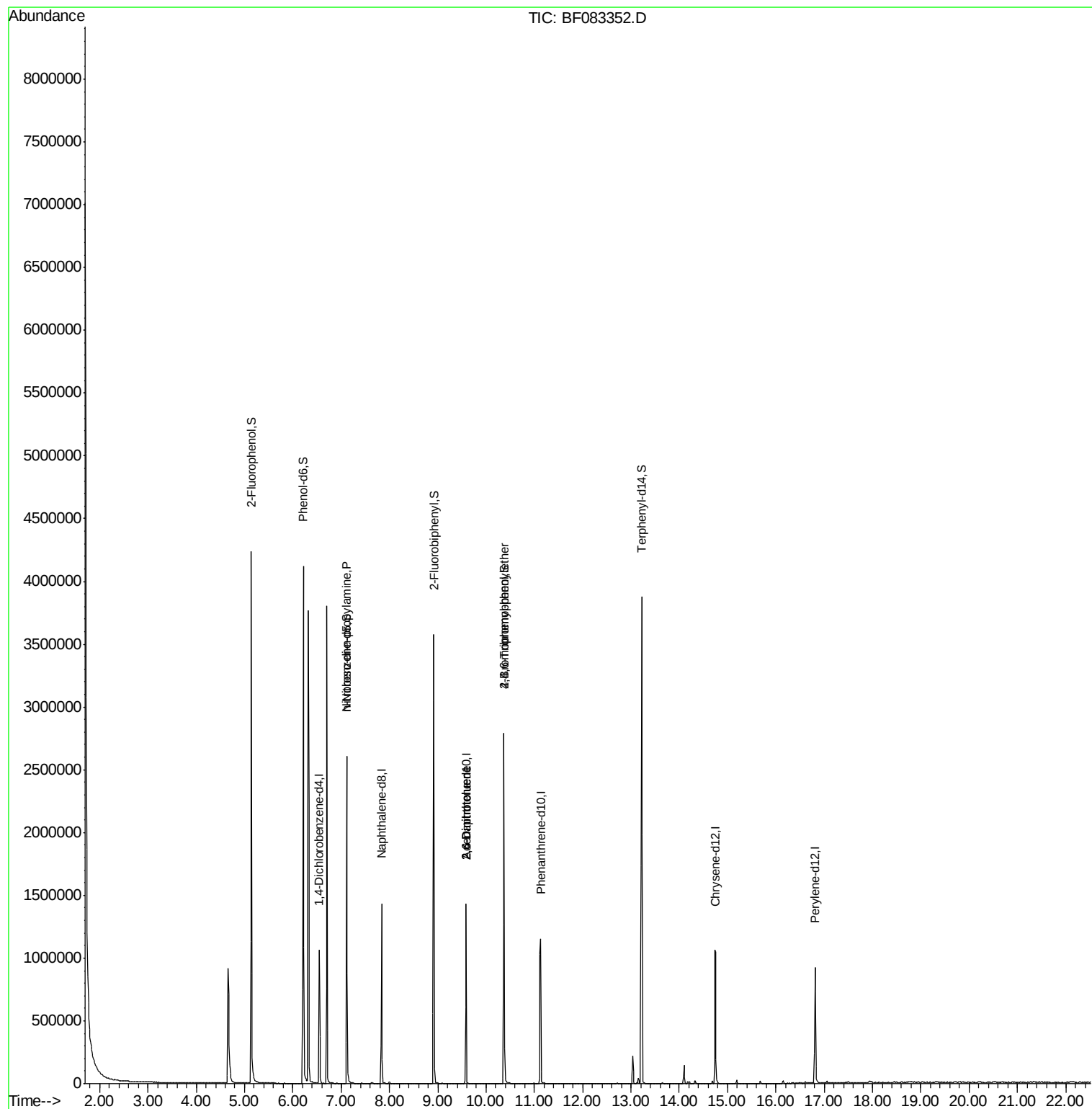
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.54  | 152  | 165558   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.84  | 136  | 646557   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.58  | 164  | 322693   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.13 | 188  | 637124   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 14.75 | 240  | 657711   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 16.81 | 264  | 551342   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.14  | 112  | 1216863  | 110.29    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.21  | 99   | 1499763  | 99.31     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.12  | 82   | 950378   | 64.62     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.37 | 330  | 347019   | 107.13    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.92  | 172  | 1707271  | 75.39     | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.22 | 244  | 1815425  | 65.83     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.21  | 77   | 2001     | Below Cal | #     | 6        |
| 19) n-Nitroso-di-n-propylamine | 7.12  | 70   | 124874   | 11.57 ng  | #     | 84       |
| 50) 2,6-Dinitrotoluene         | 9.58  | 165  | 39669    | 7.08 ng   | #     | 19       |
| 56) 2,4-Dinitrotoluene         | 9.58  | 165  | 39669    | 5.58 ng   | #     | 6        |
| 66) 4-Bromophenyl-phenylether  | 10.37 | 248  | 19335    | 2.77 ng   | #     | 1        |

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

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QLast Update : Tue Dec 01 01:17:16 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083352.D

Acq: 1 Dec 2015 00:11

Instrument :

BNA\_F

ClientSampleId :

PB86923BL

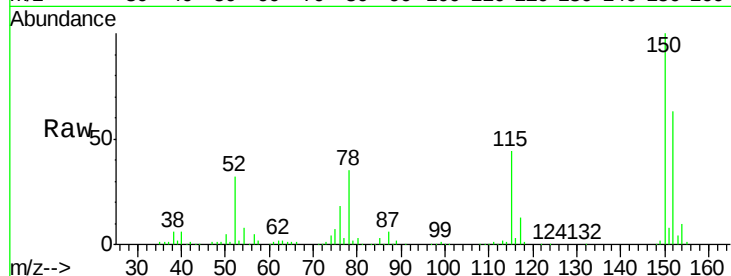
Tgt Ion:152 Resp: 165558

Ion Ratio Lower Upper

152 100

150 159.5 129.8 194.8

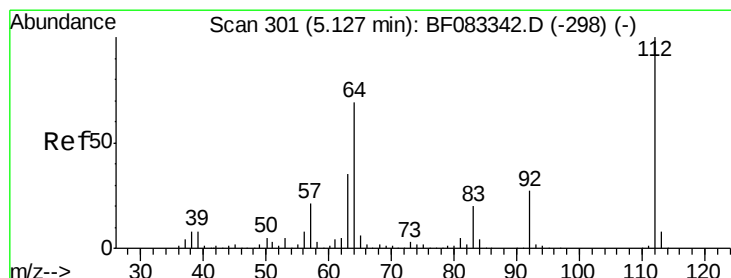
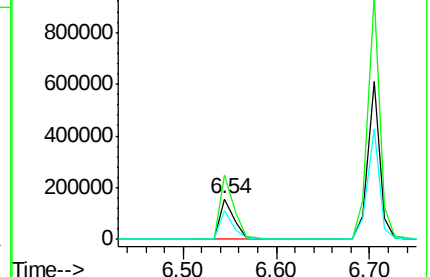
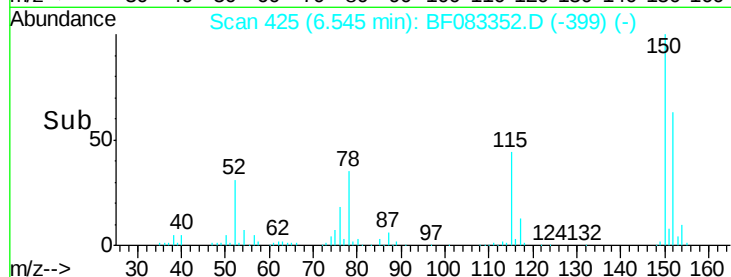
115 69.8 59.2 88.8



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: 110.29 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083352.D

Acq: 1 Dec 2015 00:11

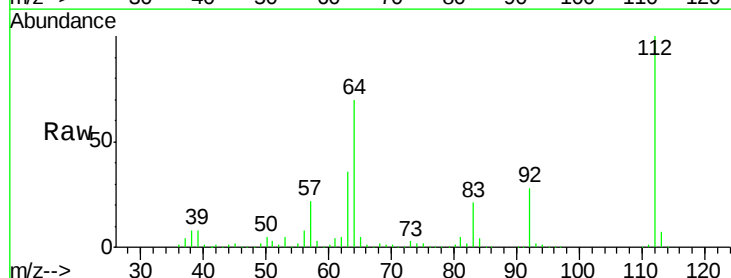
Tgt Ion:112 Resp: 1216863

Ion Ratio Lower Upper

112 100

64 69.6 55.6 83.4

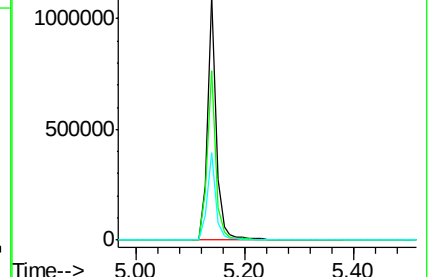
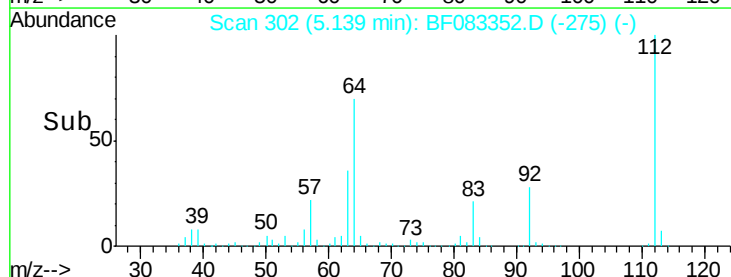
63 35.8 28.2 42.2

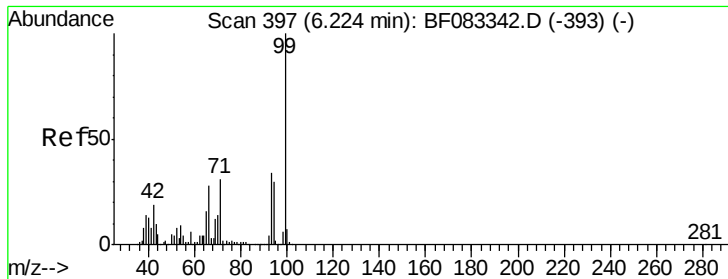


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.31 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083352.D

Acq: 1 Dec 2015 00:11

Instrument :

BNA\_F

ClientSampleId :

PB86923BL

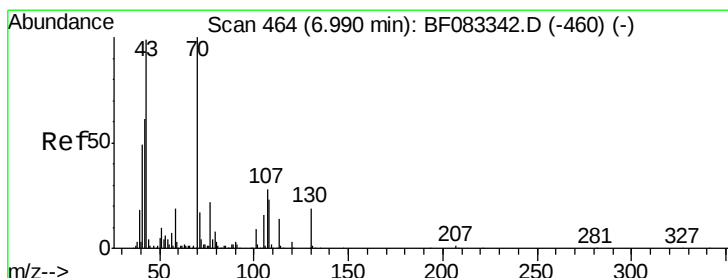
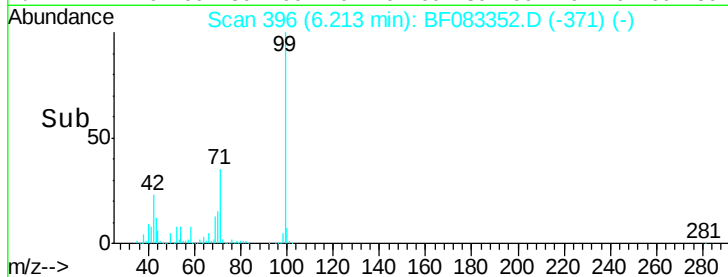
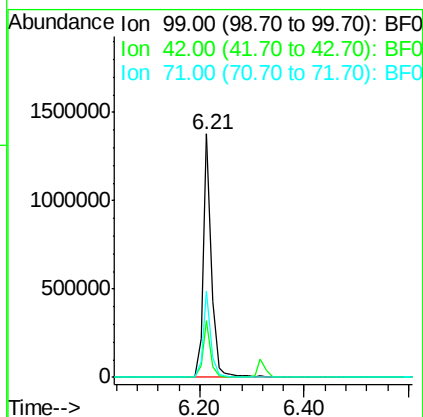
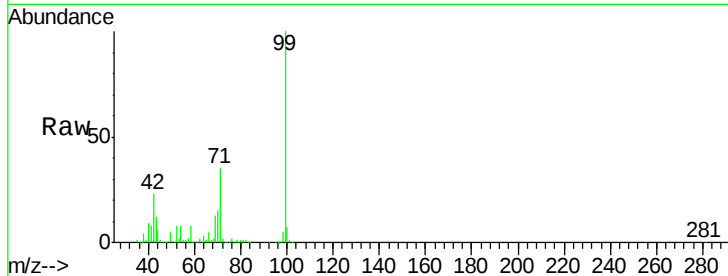
Tgt Ion: 99 Resp: 1499763

Ion Ratio Lower Upper

99 100

42 23.2 14.9 22.3#

71 35.2 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.57 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083352.D

Acq: 1 Dec 2015 00:11

Tgt Ion: 70 Resp: 124874

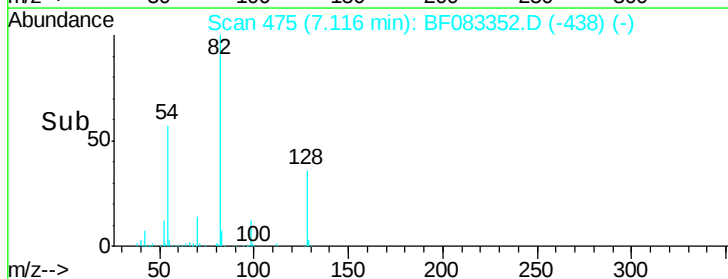
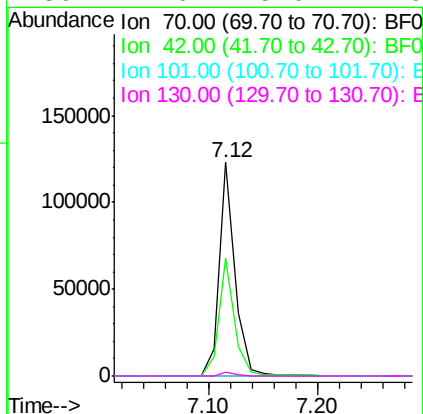
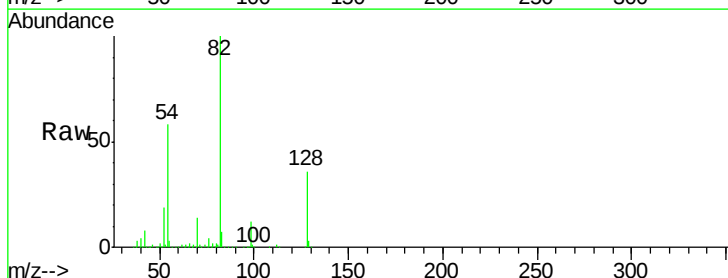
Ion Ratio Lower Upper

70 100

42 54.9 48.8 73.2

101 0.0 7.1 10.7#

130 1.6 15.0 22.6#

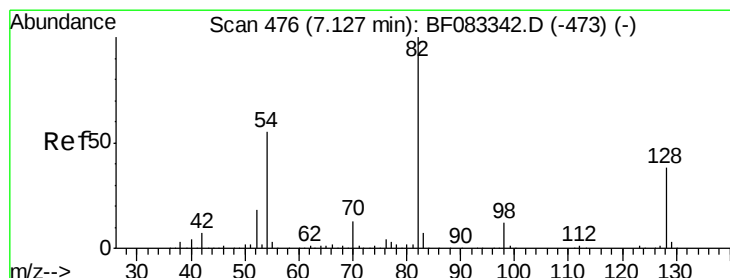
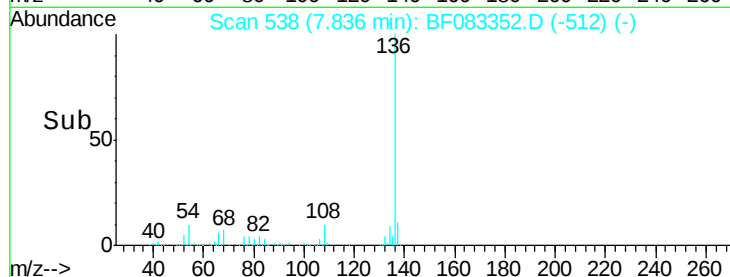
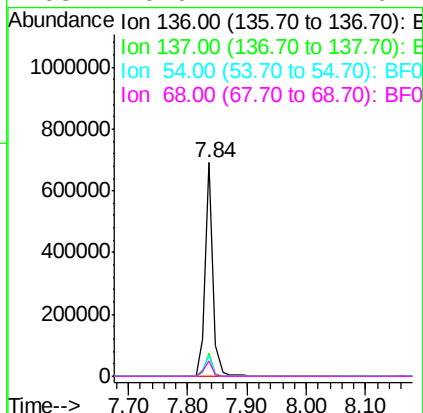
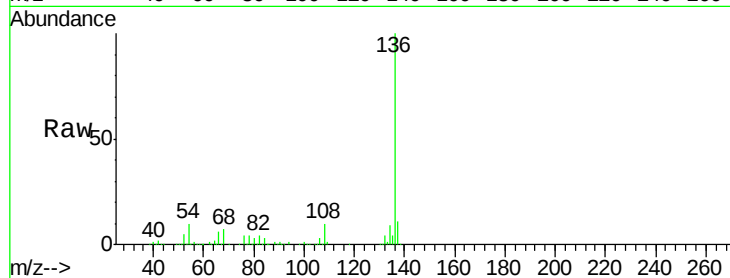




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.84 min Scan# 538  
Delta R.T. 0.00 min  
Lab File: BF083352.D  
Acq: 1 Dec 2015 00:11

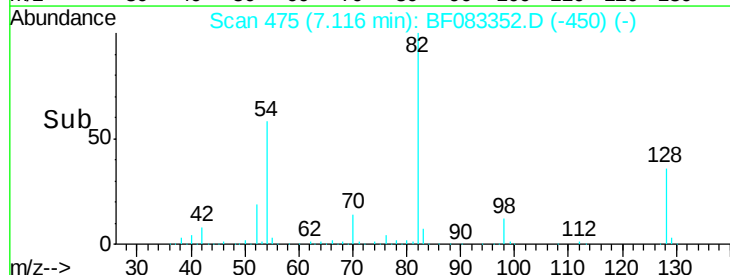
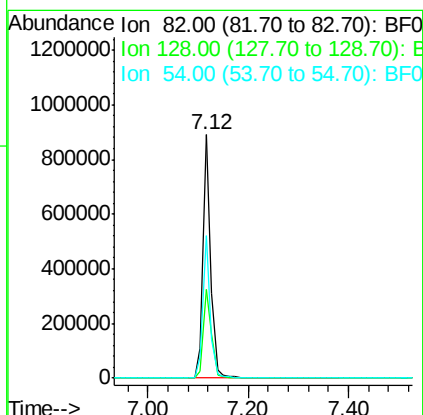
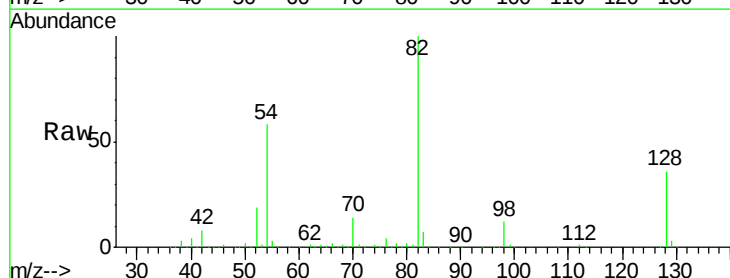
Instrument :  
BNA\_F  
ClientSampleId :  
PB86923BL

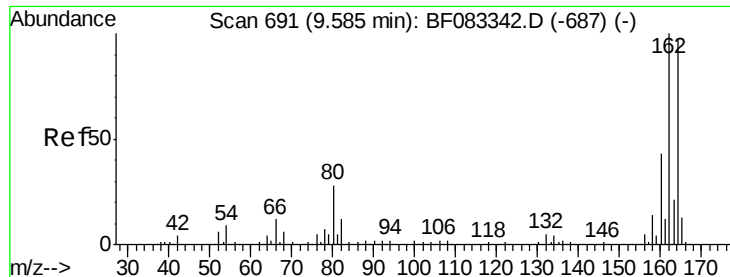
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 646557 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.0   | 13.4   |
| 54       | 9.7   | 10.1  | 15.1#  |
| 68       | 6.9   | 7.1   | 10.7#  |



#23  
Nitrobenzene-d5  
Concen: 64.62 ng  
RT: 7.12 min Scan# 475  
Delta R.T. -0.01 min  
Lab File: BF083352.D  
Acq: 1 Dec 2015 00:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 950378 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.3  | 30.6  | 46.0   |
| 54       | 58.4  | 43.8  | 65.6   |

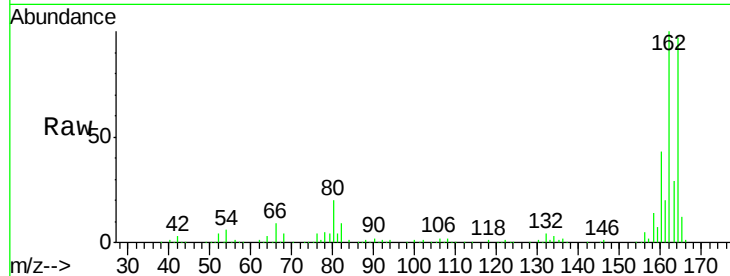




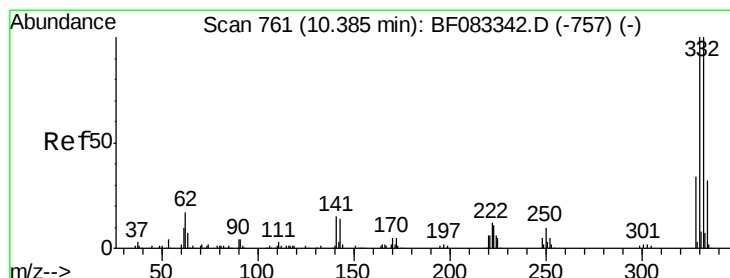
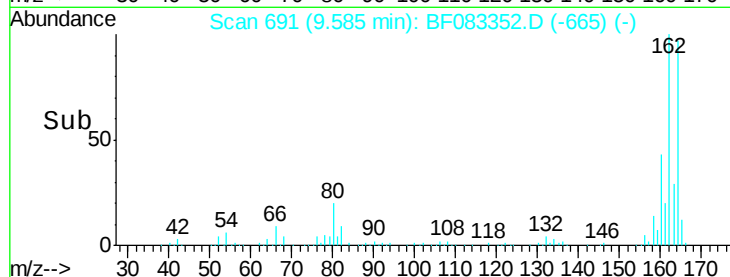
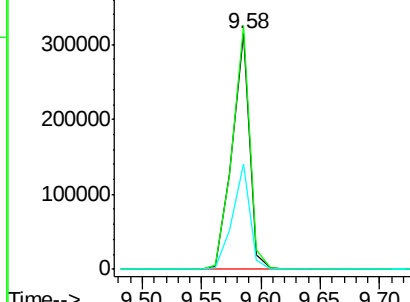
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.58 min Scan# 691  
 Delta R.T. 0.00 min  
 Lab File: BF083352.D  
 Acq: 1 Dec 2015 00:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86923BL

Tgt Ion:164 Resp: 322693  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 82.6 123.8  
 160 44.8 35.3 52.9

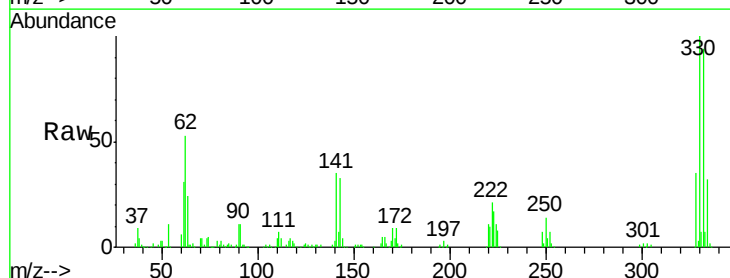


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

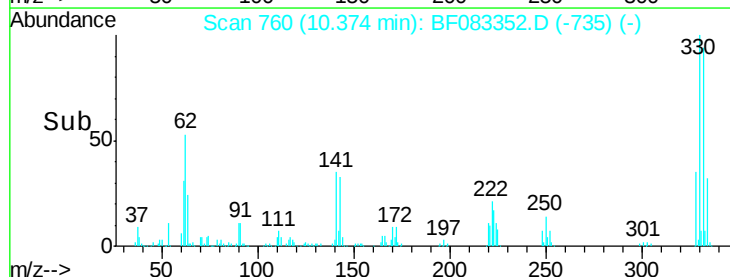
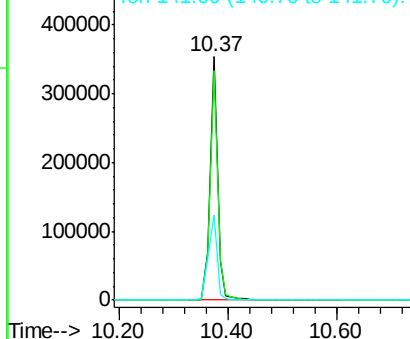


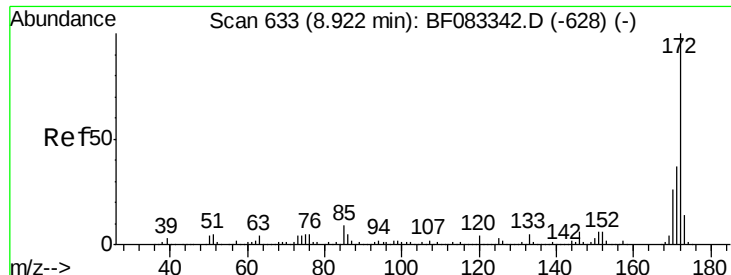
#41  
 2,4,6-Tribromophenol  
 Concen: 107.13 ng  
 RT: 10.37 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BF083352.D  
 Acq: 1 Dec 2015 00:11

Tgt Ion:330 Resp: 347019  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.8 116.6  
 141 39.5 29.4 44.0



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

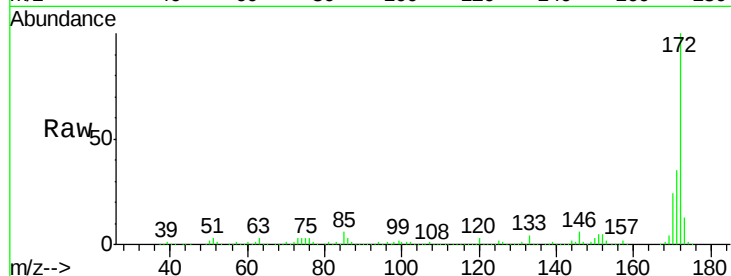




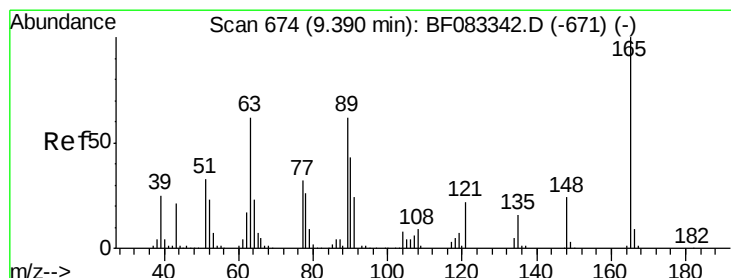
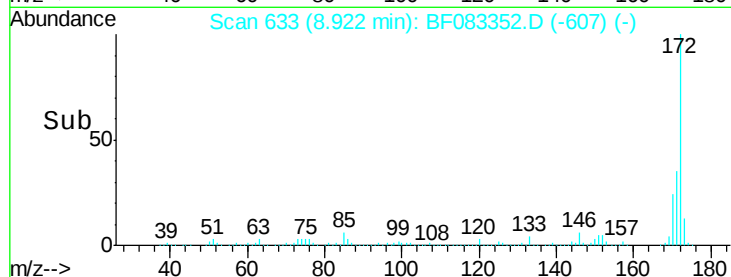
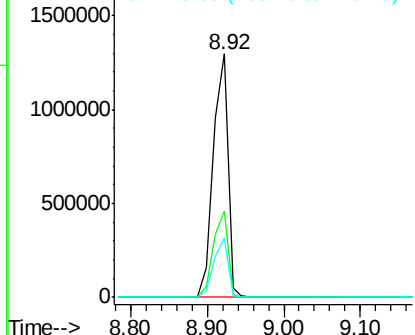
#44  
 2-Fluorobiphenyl  
 Concen: 75.39 ng  
 RT: 8.92 min Scan# 633  
 Delta R.T. 0.00 min  
 Lab File: BF083352.D  
 Acq: 1 Dec 2015 00:11

Instrument :  
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 ClientSampleId :  
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Tgt Ion:172 Resp: 1707271  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.4 44.0  
 170 24.4 20.4 30.6

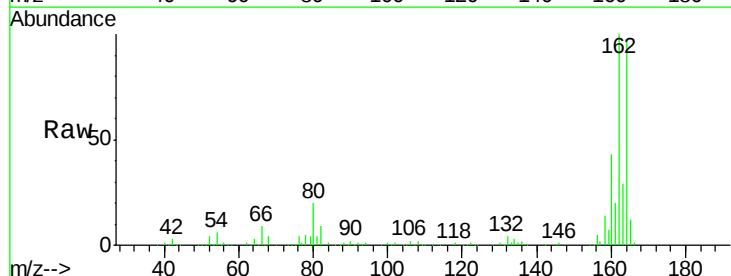


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

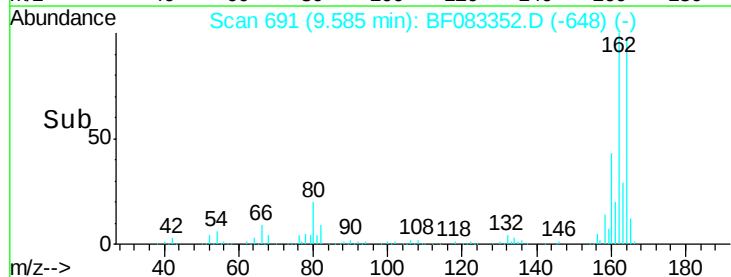
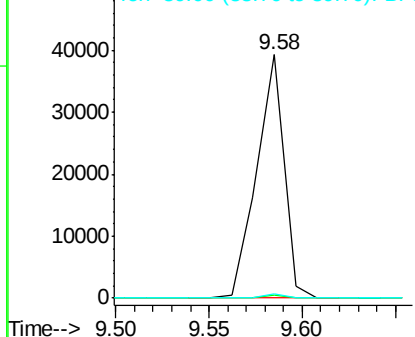


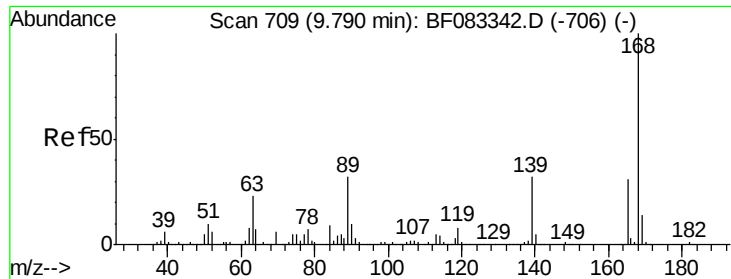
#50  
 2,6-Dinitrotoluene  
 Concen: 7.08 ng  
 RT: 9.58 min Scan# 691  
 Delta R.T. 0.19 min  
 Lab File: BF083352.D  
 Acq: 1 Dec 2015 00:11

Tgt Ion:165 Resp: 39669  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 56.0 84.0#  
 89 1.5 49.8 74.8#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

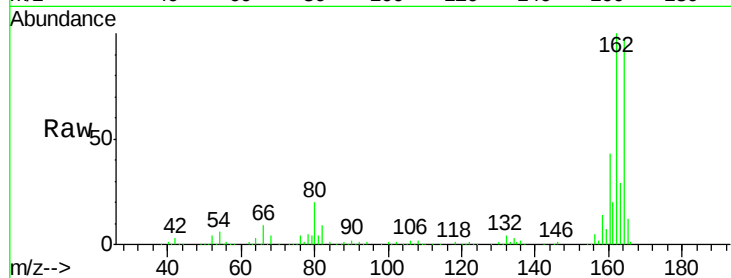




#56  
 2,4-Dinitrotoluene  
 Concen: 5.58 ng  
 RT: 9.58 min Scan# 691  
 Delta R.T. -0.21 min  
 Lab File: BF083352.D  
 Acq: 1 Dec 2015 00:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86923BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 39669  |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 1.2   | 65.4  | 98.0#  |
| 89       | 1.5   | 81.2  | 121.8# |
| 182      | 0.0   | 1.8   | 2.8#   |

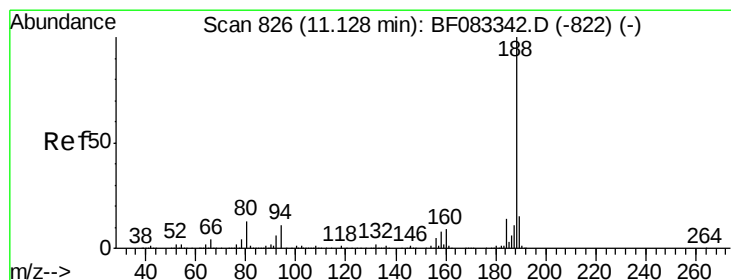
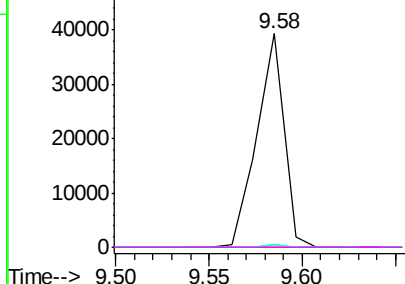
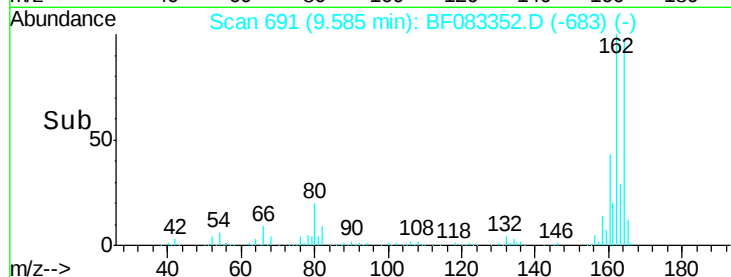


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

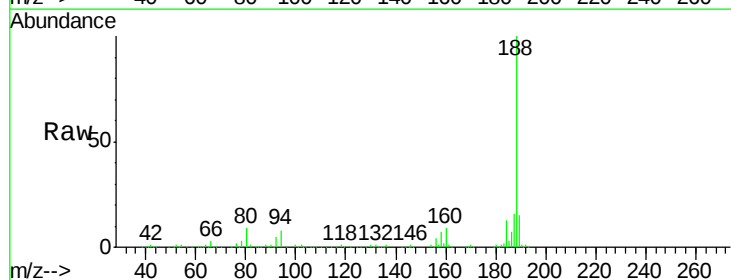
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 826  
 Delta R.T. 0.00 min  
 Lab File: BF083352.D  
 Acq: 1 Dec 2015 00:11

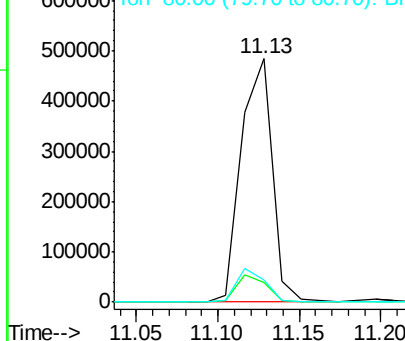
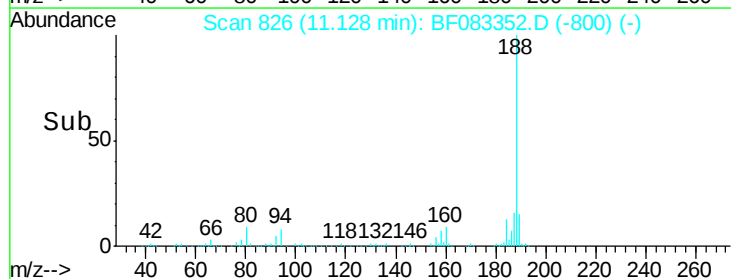
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 637124 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.9   | 8.7   | 13.1#  |
| 80       | 9.0   | 10.3  | 15.5#  |

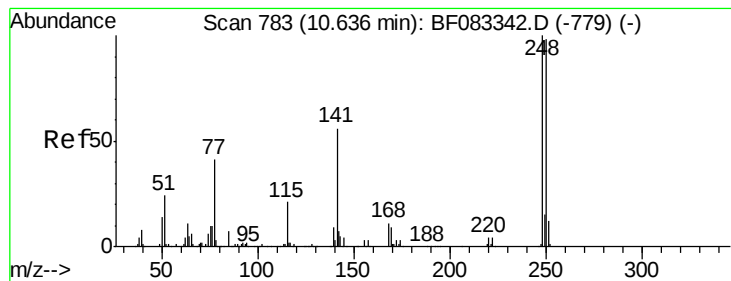


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.77 ng

RT: 10.37 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF083352.D

Acq: 1 Dec 2015 00:11

Instrument :

BNA\_F

ClientSampleId :

PB86923BL

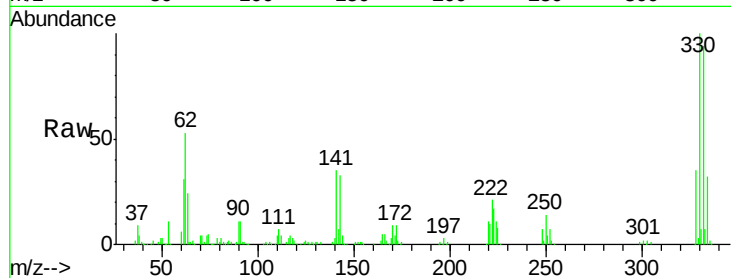
Tgt Ion:248 Resp: 19335

Ion Ratio Lower Upper

248 100

250 194.9 78.6 118.0#

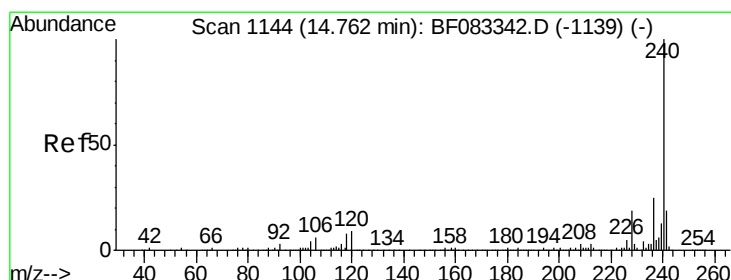
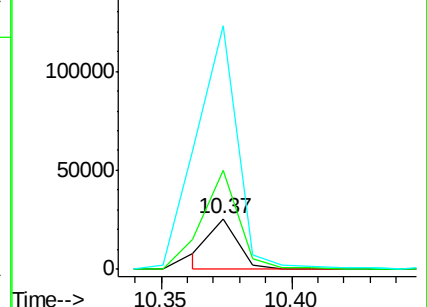
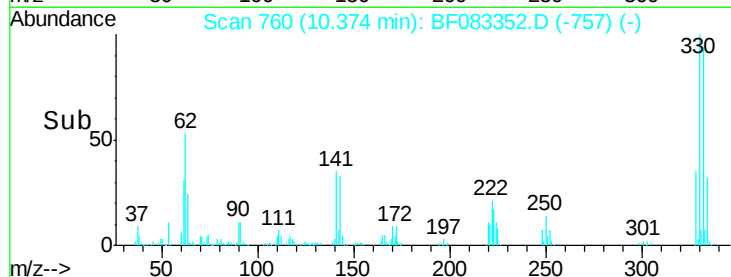
141 478.7 44.4 66.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083352.D

Acq: 1 Dec 2015 00:11

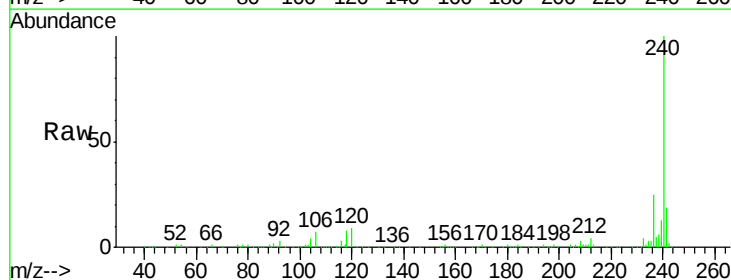
Tgt Ion:240 Resp: 657711

Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

236 25.1 19.8 29.6



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

