

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092615\  
 Data File : BF081822.D  
 Acq On : 26 Sep 2015 12:23  
 Operator : UM/IZ  
 Sample : G3754-01  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-1B

Quant Time: Sep 28 04:32:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:02:49 2015  
 Response via : Initial Calibration

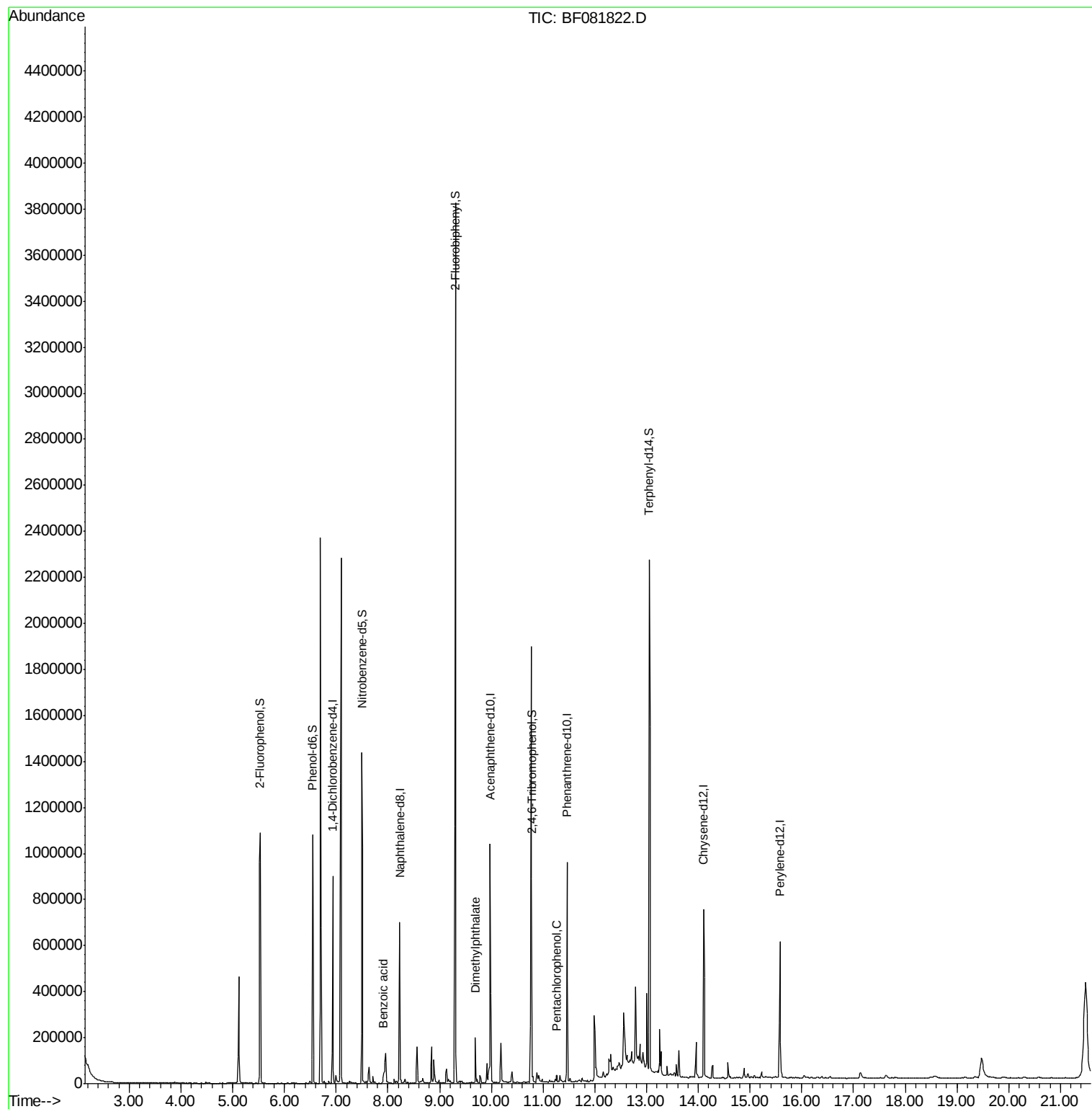
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 127361   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.23  | 136  | 463740   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.98  | 164  | 217894   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.46 | 188  | 403527   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.10 | 240  | 317461   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.58 | 264  | 276332   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 422674   | 56.14  | ng    | -0.01    |
| 7) Phenol-d6                | 6.55  | 99   | 323813   | 34.01  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 626515   | 89.14  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 284888   | 150.60 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 1167227  | 87.94  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.05 | 244  | 927388   | 66.73  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 7.92  | 122  | 17787    | 12.94  | ng    | # 60     |
| 49) Dimethylphthalate       | 9.69  | 163  | 76175    | 4.59   | ng    | # 97     |
| 69) Pentachlorophenol       | 11.27 | 266  | 5978     | 7.79   | ng    | 95       |

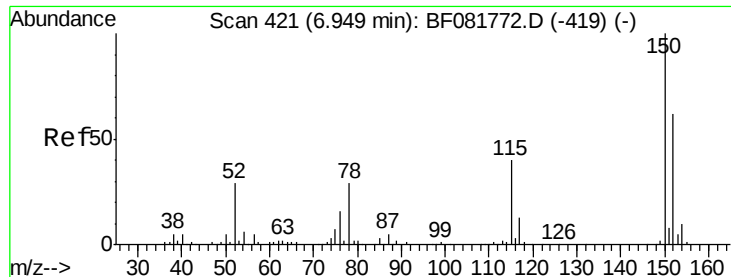
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092615\  
Data File : BF081822.D  
Acq On : 26 Sep 2015 12:23  
Operator : UM/IZ  
Sample : G3754-01  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-1B

Quant Time: Sep 28 04:32:11 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 25 06:02:49 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

Instrument :

BNA\_F

ClientSampleId :

MW-1B

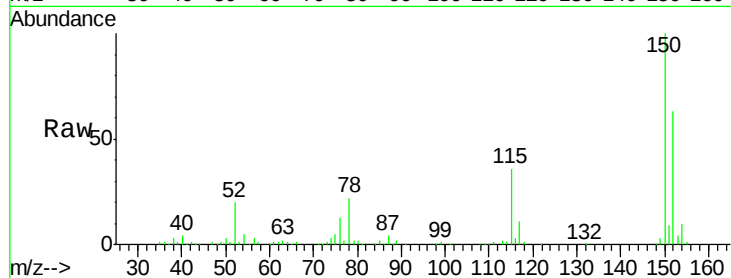
Tgt Ion:152 Resp: 127361

Ion Ratio Lower Upper

152 100

150 158.0 124.7 187.1

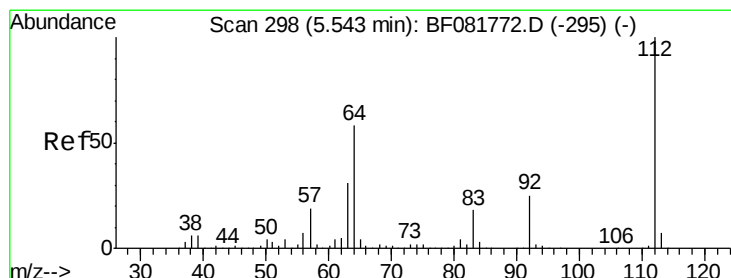
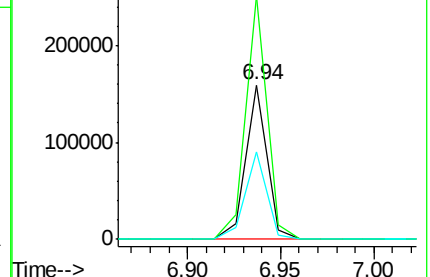
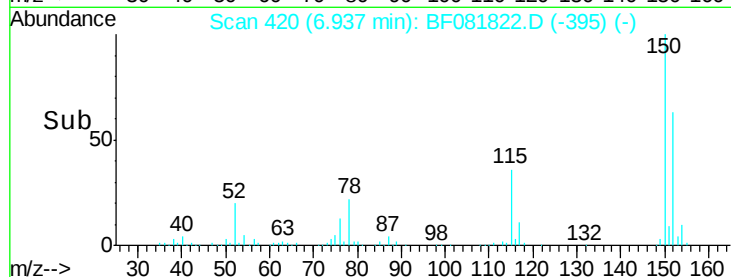
115 57.1 39.0 58.4



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: 56.14 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

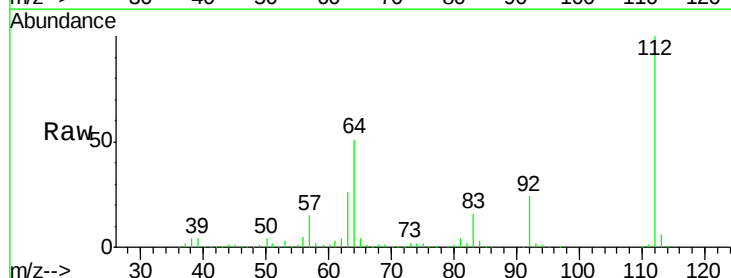
Tgt Ion:112 Resp: 422674

Ion Ratio Lower Upper

112 100

64 50.9 39.7 59.5

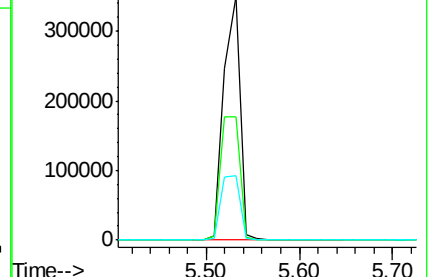
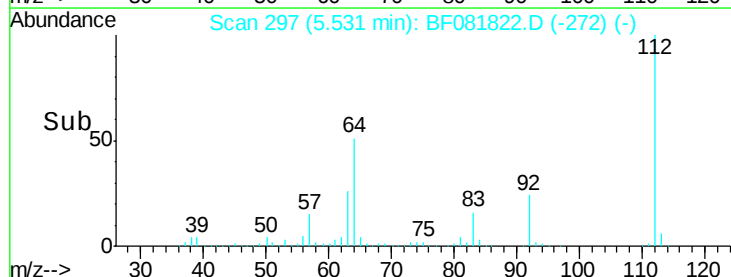
63 26.2 17.4 26.0#



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: 34.01 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

Instrument :

BNA\_F

ClientSampled :

MW-1B

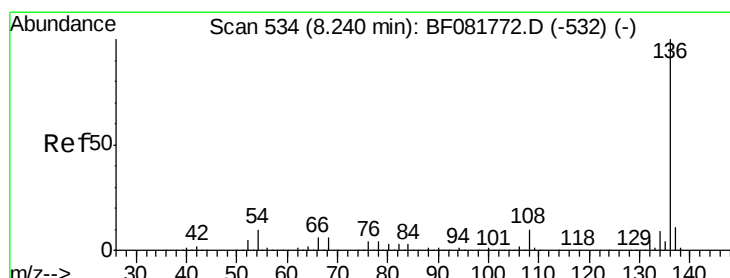
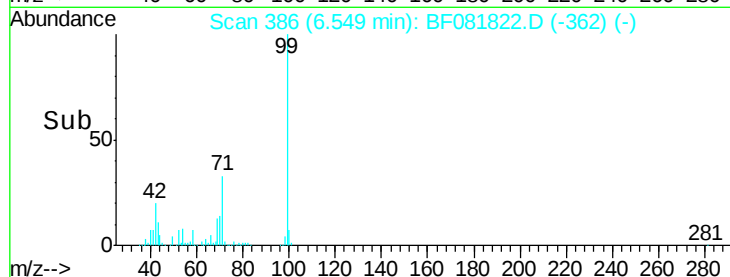
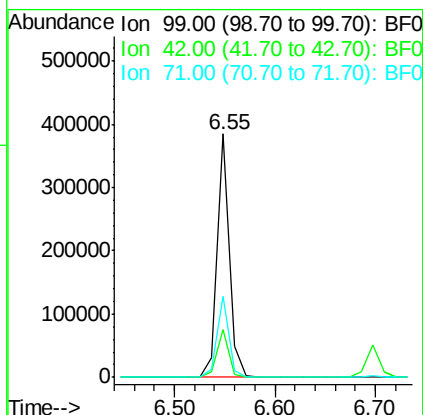
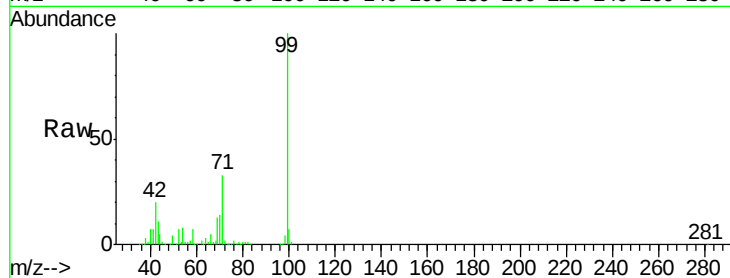
Tgt Ion: 99 Resp: 323813

Ion Ratio Lower Upper

99 100

42 19.8 13.7 20.5

71 33.2 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

Tgt Ion: 136 Resp: 463740

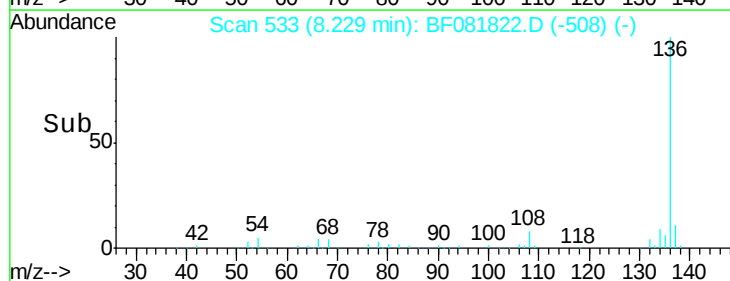
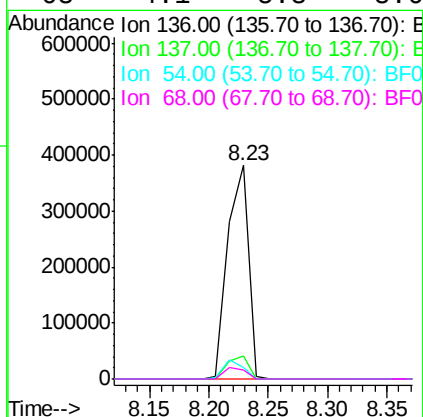
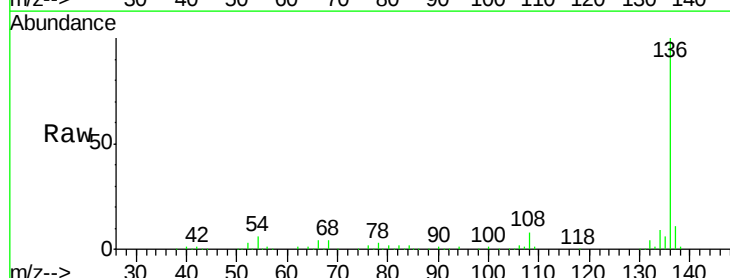
Ion Ratio Lower Upper

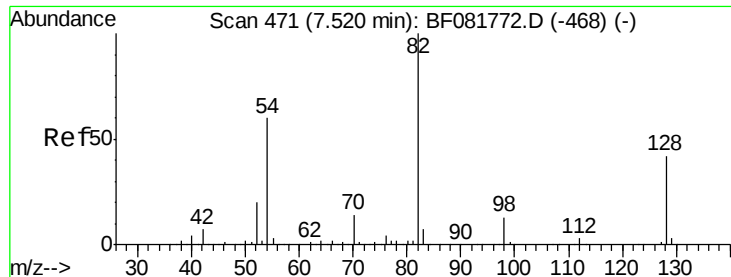
136 100

137 10.5 9.0 13.6

54 5.6 8.2 12.2#

68 4.1 5.8 8.6#

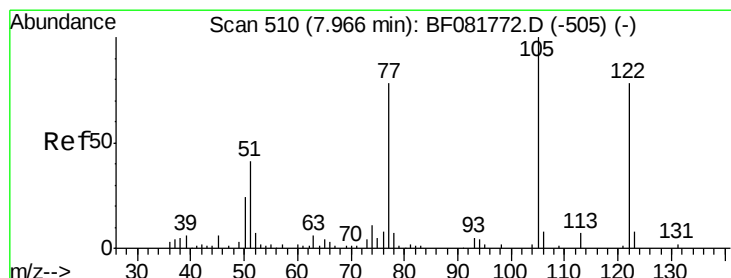
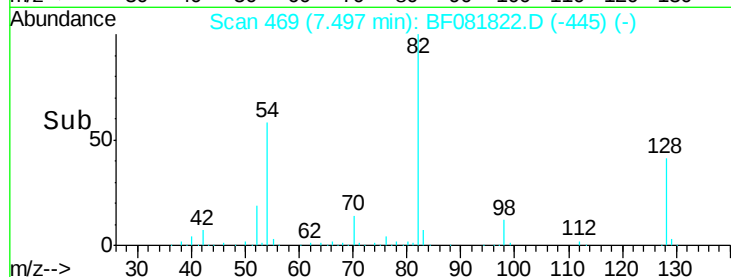
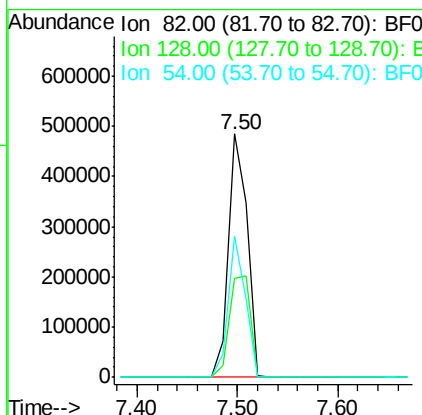
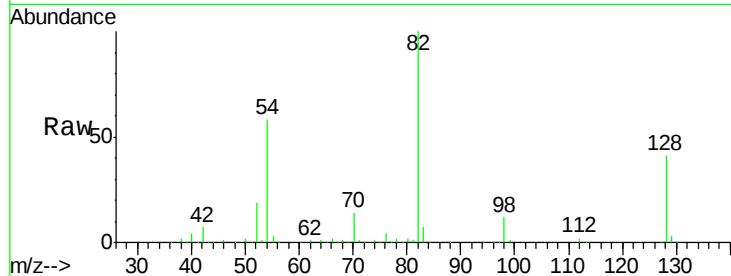




#23  
 Nitrobenzene-d5  
 Concen: 89.14 ng  
 RT: 7.50 min Scan# 469  
 Delta R.T. -0.02 min  
 Lab File: BF081822.D  
 Acq: 26 Sep 2015 12:23

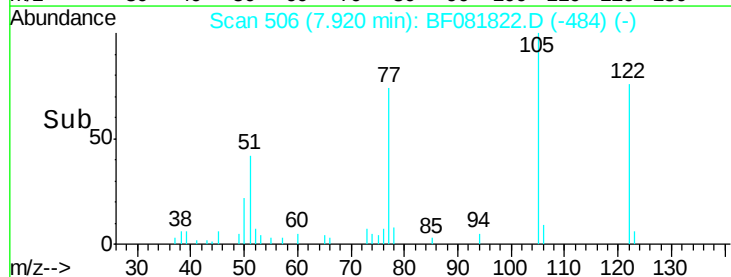
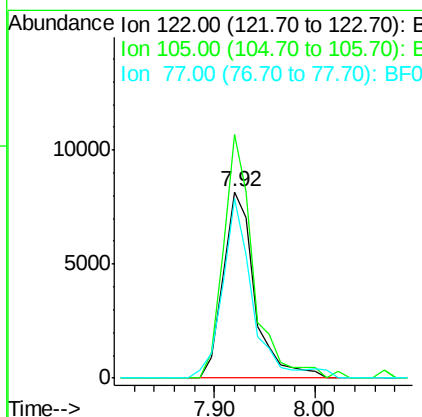
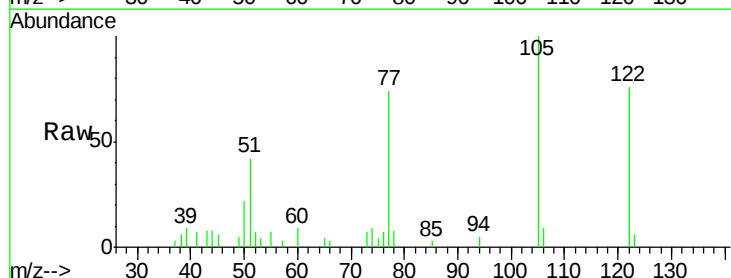
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-1B

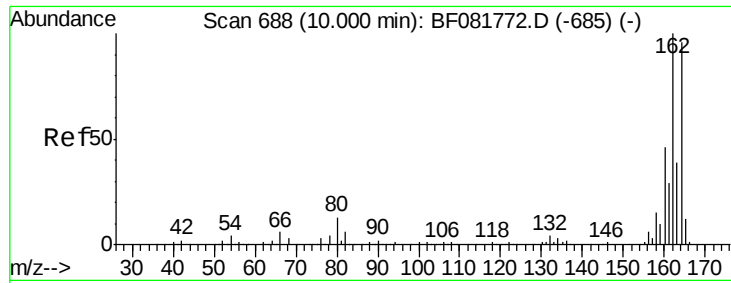
Tgt Ion: 82 Resp: 626515  
 Ion Ratio Lower Upper  
 82 100  
 128 40.6 51.0 76.6#  
 54 58.1 47.5 71.3



#32  
 Benzoic acid  
 Concen: 12.94 ng  
 RT: 7.92 min Scan# 506  
 Delta R.T. -0.05 min  
 Lab File: BF081822.D  
 Acq: 26 Sep 2015 12:23

Tgt Ion: 122 Resp: 17787  
 Ion Ratio Lower Upper  
 122 100  
 105 130.8 76.1 116.1#  
 77 96.5 40.5 80.5#

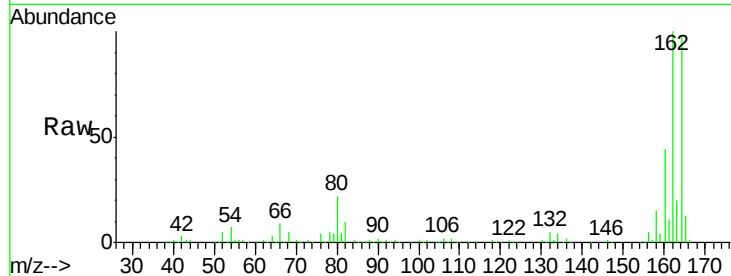




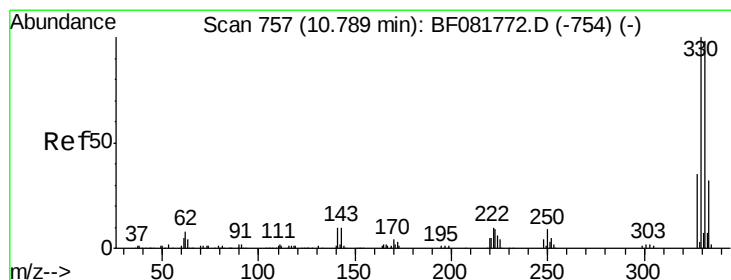
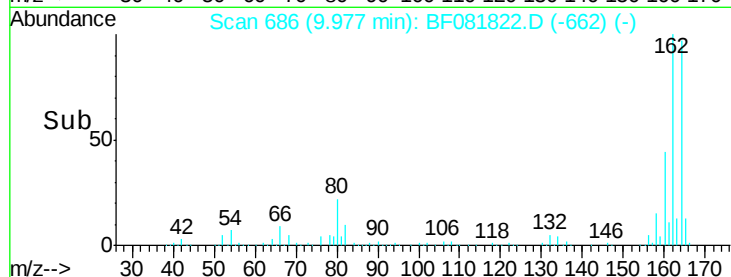
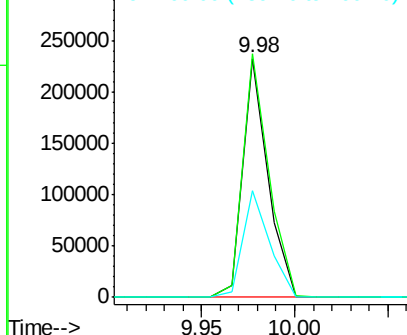
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.98 min Scan# 686  
 Delta R.T. -0.02 min  
 Lab File: BF081822.D  
 Acq: 26 Sep 2015 12:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-1B

Tgt Ion:164 Resp: 217894  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 75.2 112.8  
 160 44.6 31.5 47.3

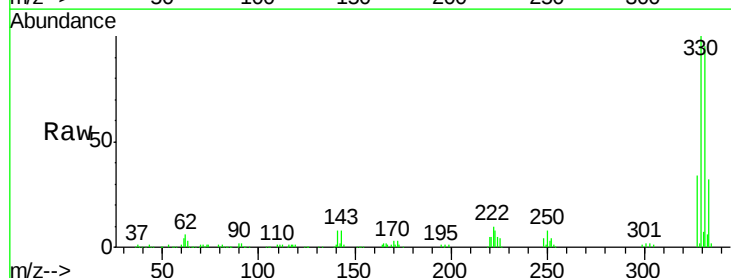


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

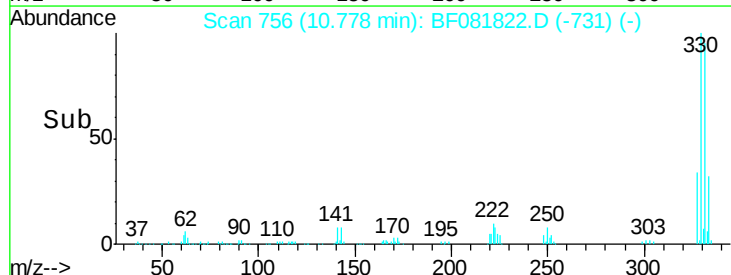
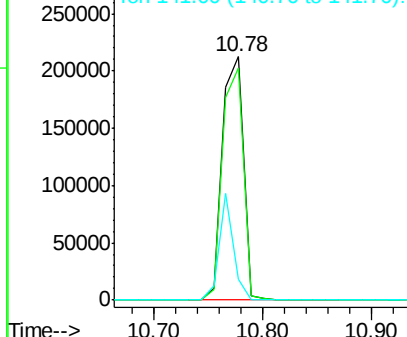


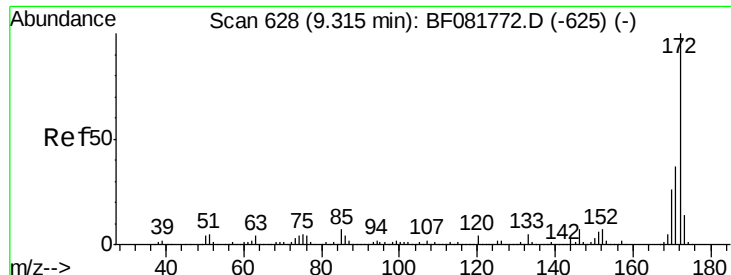
#41  
 2,4,6-Tribromophenol  
 Concen: 150.60 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF081822.D  
 Acq: 26 Sep 2015 12:23

Tgt Ion:330 Resp: 284888  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 76.6 114.8  
 141 30.2 29.7 44.5



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

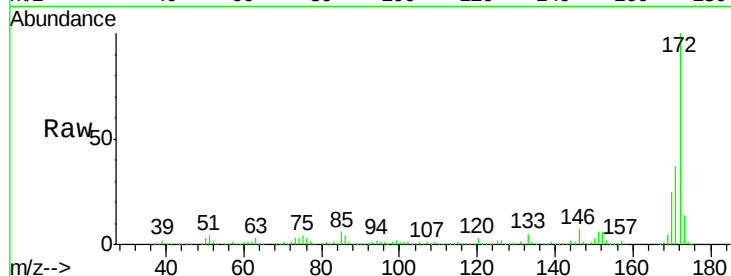




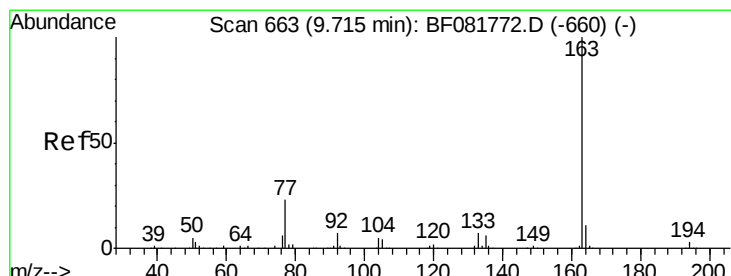
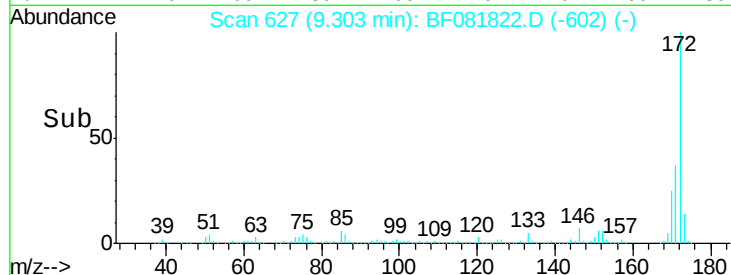
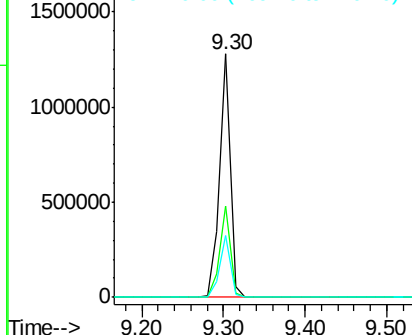
#44  
 2-Fluorobiphenyl  
 Concen: 87.94 ng  
 RT: 9.30 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF081822.D  
 Acq: 26 Sep 2015 12:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-1B

Tgt Ion:172 Resp: 1167227  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 26.1 39.1  
 170 25.2 17.4 26.2

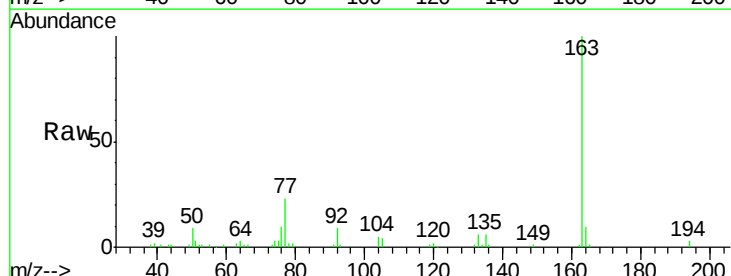


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

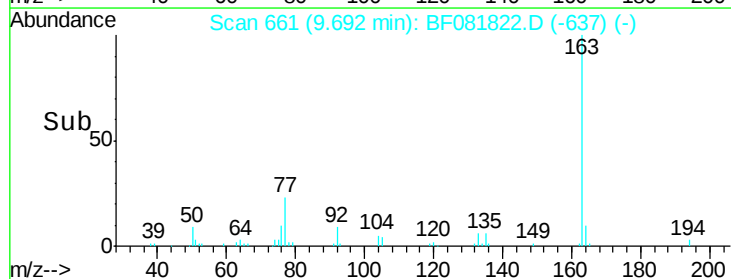
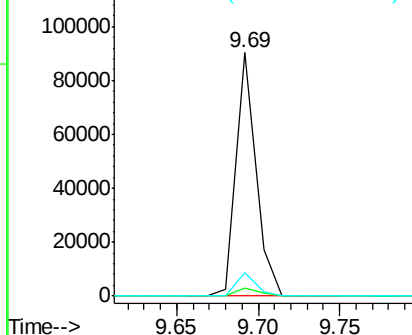


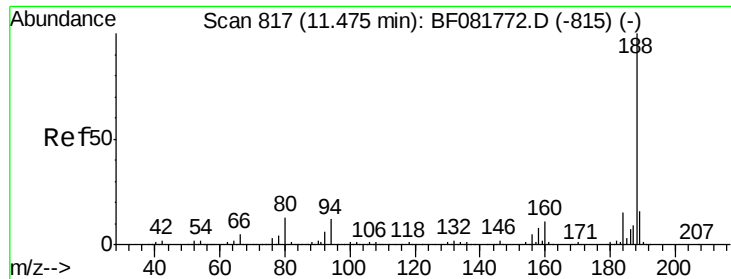
#49  
 Dimethylphthalate  
 Concen: 4.59 ng  
 RT: 9.69 min Scan# 661  
 Delta R.T. -0.02 min  
 Lab File: BF081822.D  
 Acq: 26 Sep 2015 12:23

Tgt Ion:163 Resp: 76175  
 Ion Ratio Lower Upper  
 163 100  
 194 3.2 4.4 6.6#  
 164 9.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

Instrument :

BNA\_F

ClientSampleId :

MW-1B

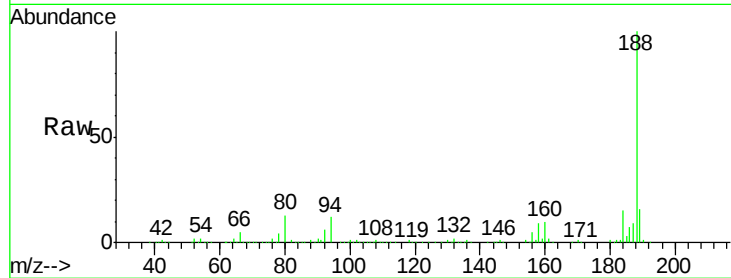
Tgt Ion:188 Resp: 403527

Ion Ratio Lower Upper

188 100

94 11.9 11.1 16.7

80 13.3 11.0 16.4

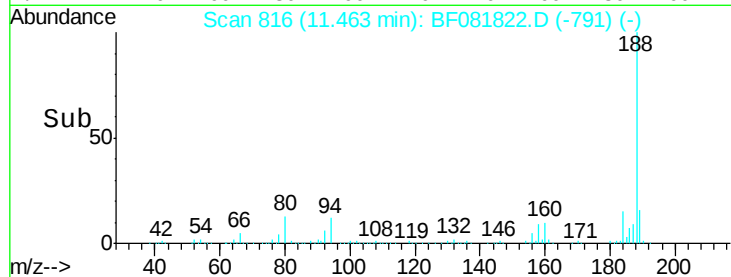


Abundance Ion 188.00 (187.70 to 188.70): E

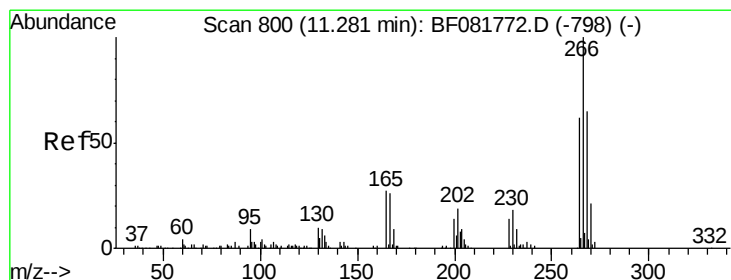
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time--> 11.40 11.45 11.50



Time--> 11.40 11.45 11.50



#69

Pentachlorophenol

Concen: 7.79 ng

RT: 11.27 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

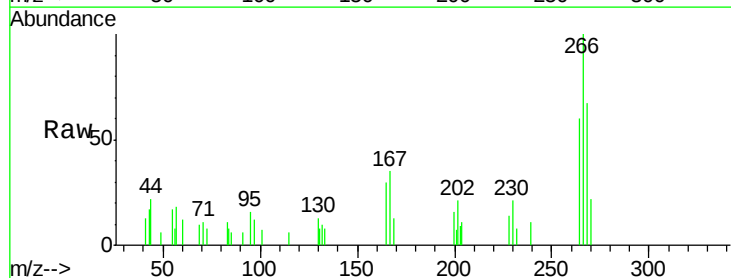
Tgt Ion:266 Resp: 5978

Ion Ratio Lower Upper

266 100

268 66.9 49.8 74.6

264 59.9 50.2 75.2

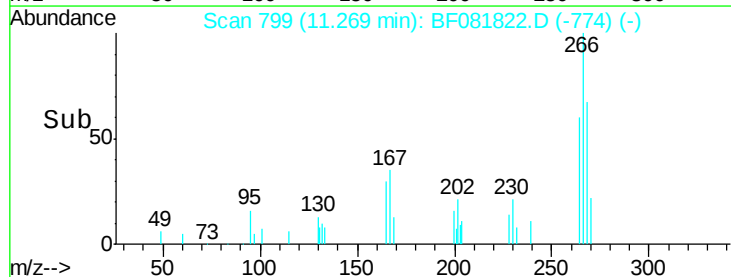


Abundance Ion 265.70 (265.40 to 266.40): E

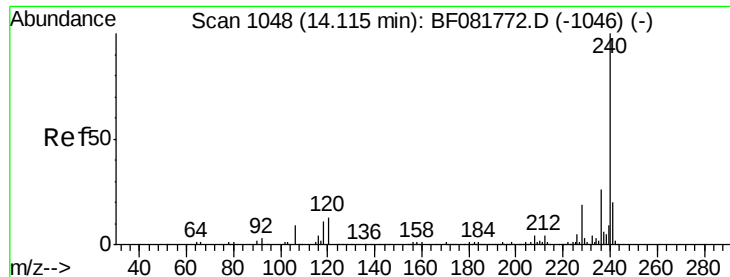
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time--> 11.20 11.25 11.30



Time--> 11.20 11.25 11.30



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

Instrument :

BNA\_F

ClientSampleId :

MW-1B

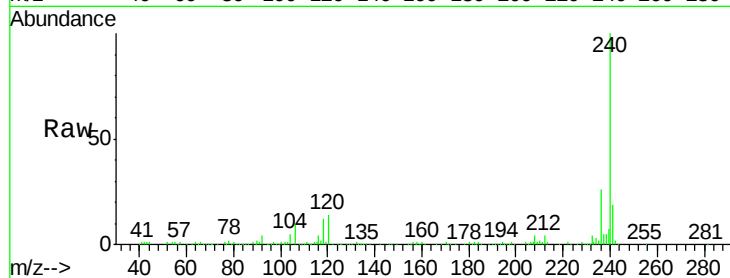
Tgt Ion:240 Resp: 317461

Ion Ratio Lower Upper

240 100

120 13.9 16.2 24.2#

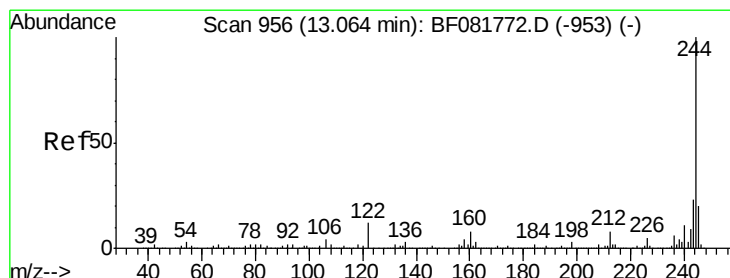
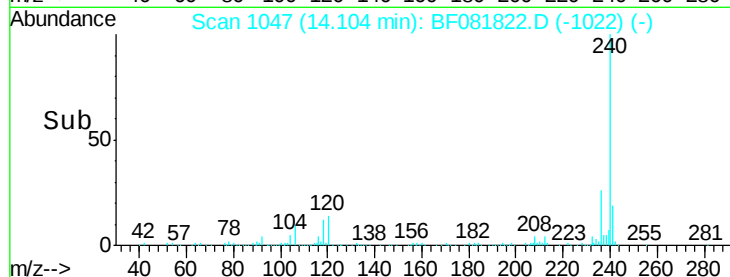
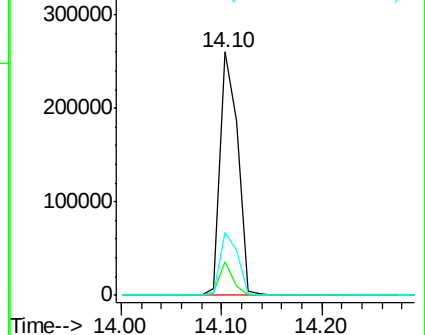
236 25.8 18.4 27.6



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



#78

Terphenyl-d14

Concen: 66.73 ng

RT: 13.05 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF081822.D

Acq: 26 Sep 2015 12:23

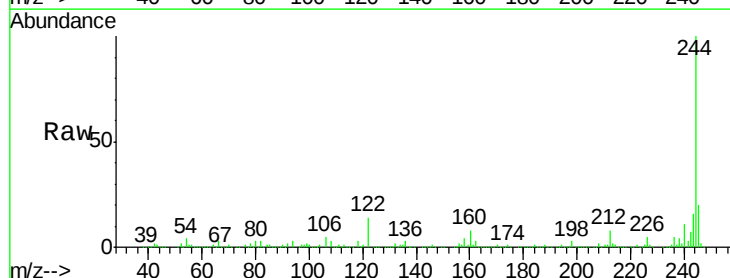
Tgt Ion:244 Resp: 927388

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

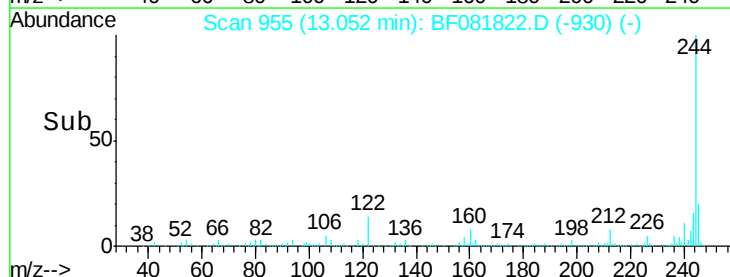
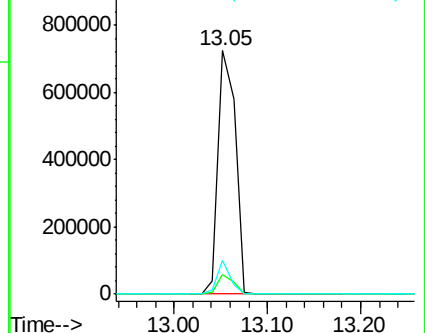
122 13.6 17.4 26.2#

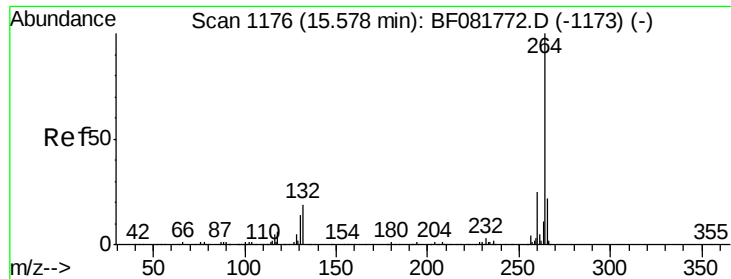


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.58 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: BF081822.D  
Acq: 26 Sep 2015 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
MW-1B

Tgt Ion: 264 Resp: 276332  
Ion Ratio Lower Upper  
264 100  
260 24.6 16.7 25.1  
265 21.8 17.2 25.8

