

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112315\  
 Data File : BF083204.D  
 Acq On : 23 Nov 2015 15:07  
 Operator : UM/IZ  
 Sample : G4437-14  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-16

Quant Time: Nov 24 04:31:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

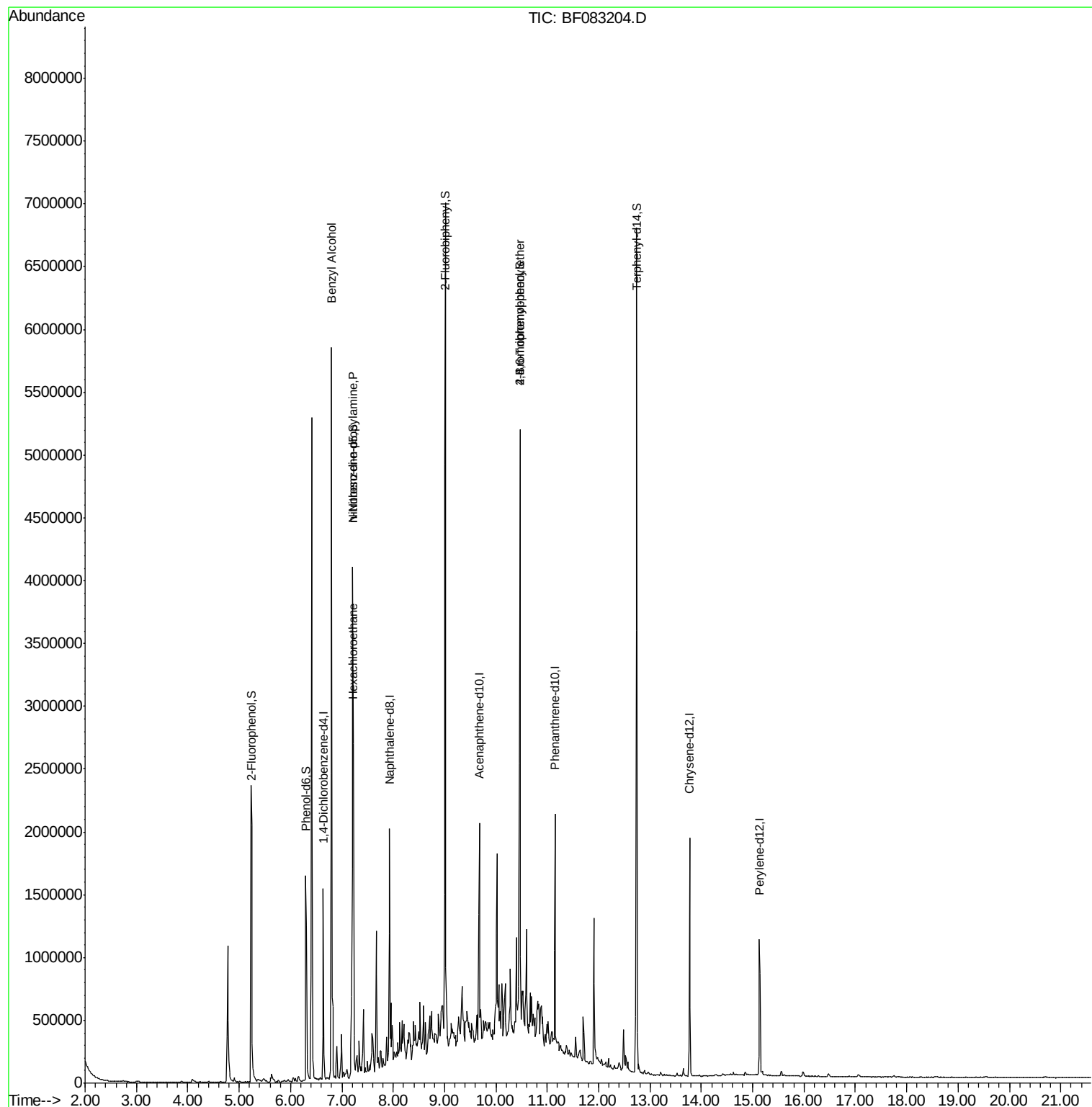
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.64  | 152  | 229985   | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.93  | 136  | 835745   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.68  | 164  | 417149   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.15 | 188  | 745272   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12               | 13.77 | 240  | 662093   | 20.00     | ng    | -0.03    |
| 86) Perylene-d12               | 15.13 | 264  | 550047   | 20.00     | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.24  | 112  | 970529   | 63.80     | ng    | -0.03    |
| 7) Phenol-d6                   | 6.30  | 99   | 793754   | 40.33     | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.21  | 82   | 1806242  | 98.76     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.47 | 330  | 558948   | 130.97    | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.02  | 172  | 2845307  | 95.11     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.74 | 244  | 2395095  | 85.19     | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.30  | 77   | 1781     | Below Cal | #     | 4        |
| 15) Benzyl Alcohol             | 6.80  | 79   | 36017    | 2.19 ng   | #     | 44       |
| 18) Hexachloroethane           | 7.22  | 117  | 226513   | 33.88 ng  | #     | 26       |
| 19) n-Nitroso-di-n-propylamine | 7.21  | 70   | 250413   | 18.28 ng  | #     | 77       |
| 66) 4-Bromophenyl-phenylether  | 10.47 | 248  | 40629    | 4.91 ng   | #     | 1        |

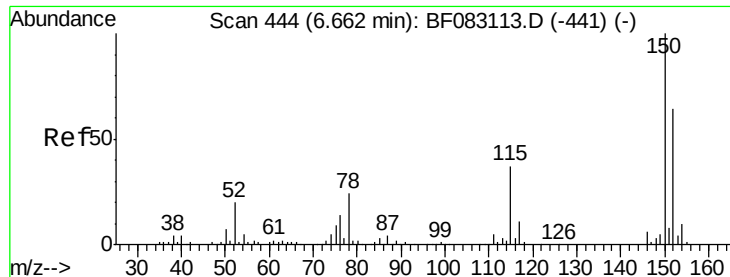
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112315\  
Data File : BF083204.D  
Acq On : 23 Nov 2015 15:07  
Operator : UM/IZ  
Sample : G4437-14  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-16

Quant Time: Nov 24 04:31:09 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration



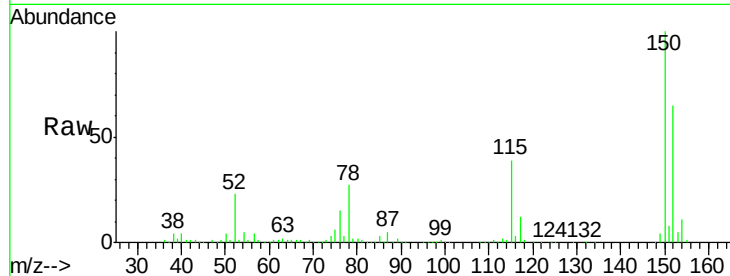


#1

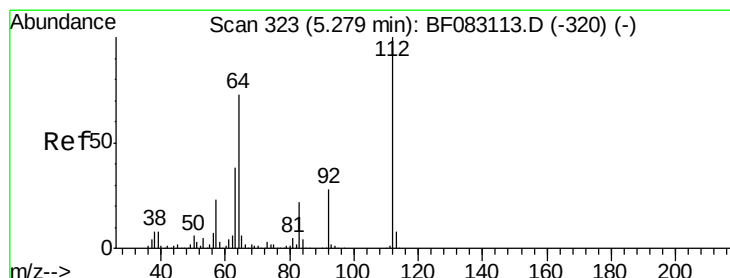
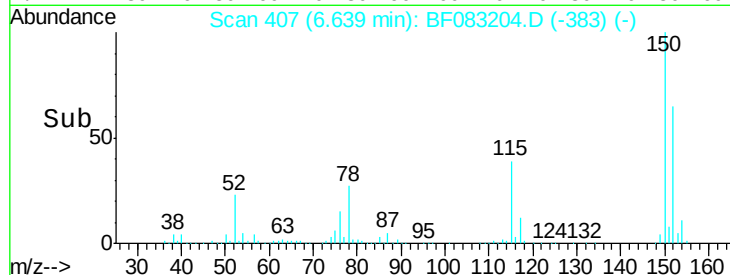
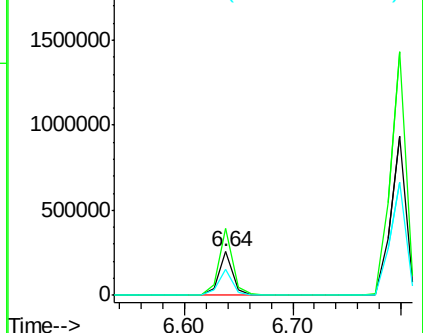
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.64 min Scan# 407  
Delta R.T. -0.02 min  
Lab File: BF083204.D  
Acq: 23 Nov 2015 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-16

Tgt Ion:152 Resp: 229985  
Ion Ratio Lower Upper  
152 100  
150 154.5 125.8 188.8  
115 60.3 46.9 70.3



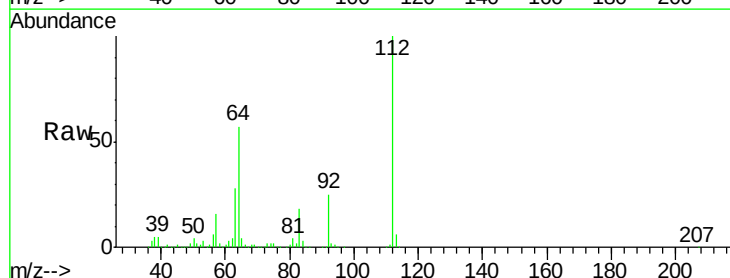
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



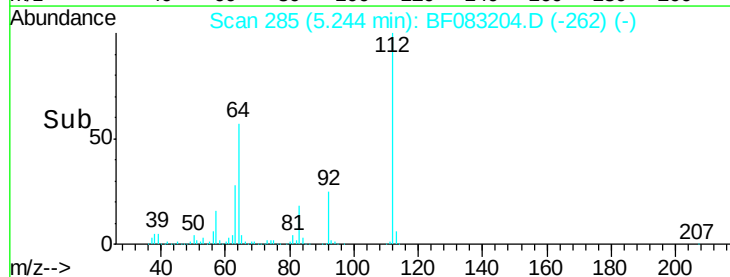
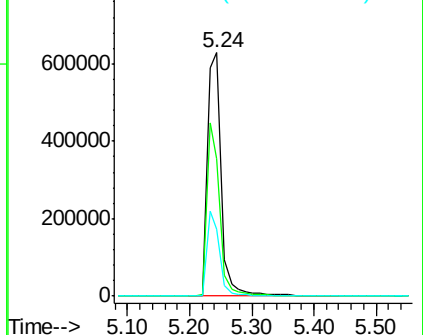
#5

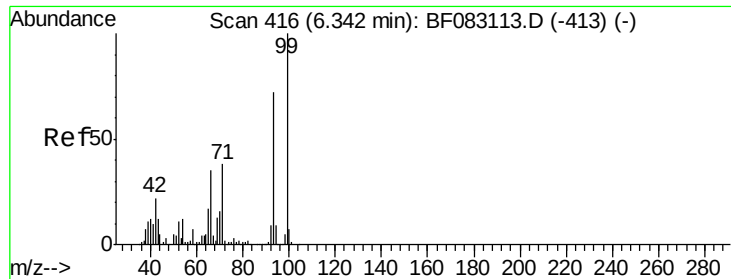
2-Fluorophenol  
Concen: 63.80 ng  
RT: 5.24 min Scan# 285  
Delta R.T. -0.03 min  
Lab File: BF083204.D  
Acq: 23 Nov 2015 15:07

Tgt Ion:112 Resp: 970529  
Ion Ratio Lower Upper  
112 100  
64 56.5 58.4 87.6#  
63 27.7 30.0 45.0#



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: 40.33 ng

RT: 6.30 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF083204.D

Acq: 23 Nov 2015 15:07

Instrument :

BNA\_F

ClientSampleId :

MW-16

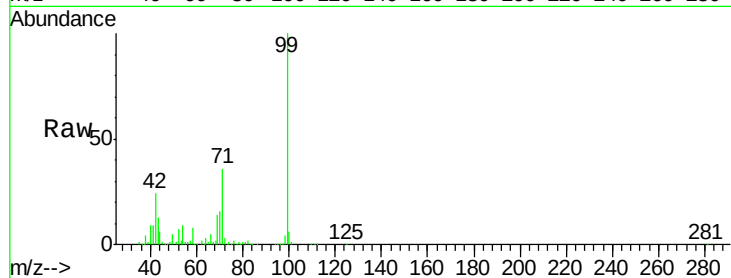
Tgt Ion: 99 Resp: 793754

Ion Ratio Lower Upper

99 100

42 24.0 17.7 26.5

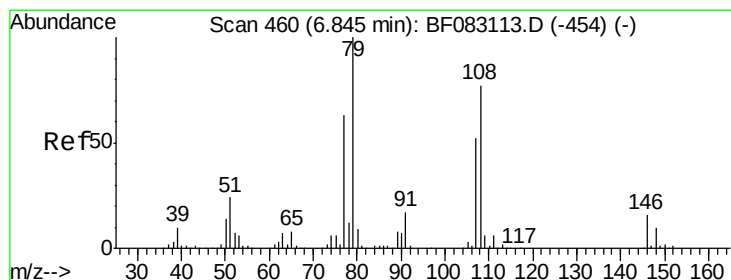
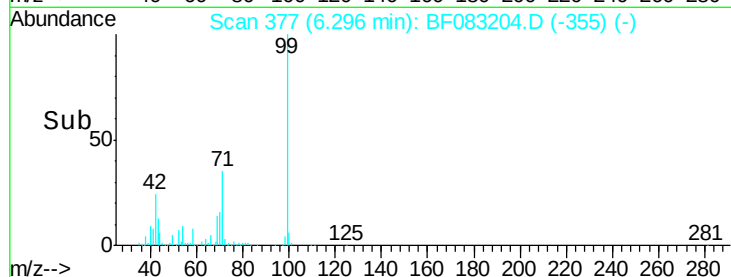
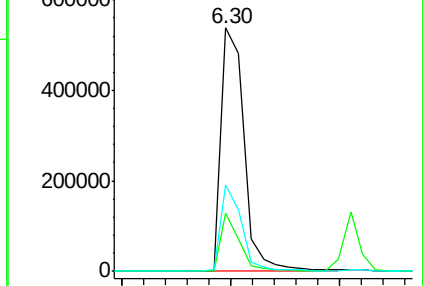
71 35.6 30.2 45.4



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



#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 6.80 min Scan# 421

Delta R.T. -0.05 min

Lab File: BF083204.D

Acq: 23 Nov 2015 15:07

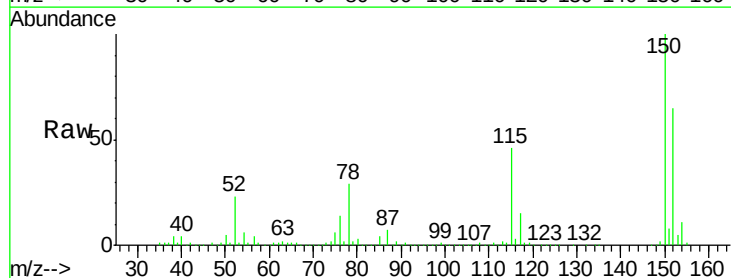
Tgt Ion: 79 Resp: 36017

Ion Ratio Lower Upper

79 100

108 26.0 61.4 92.2#

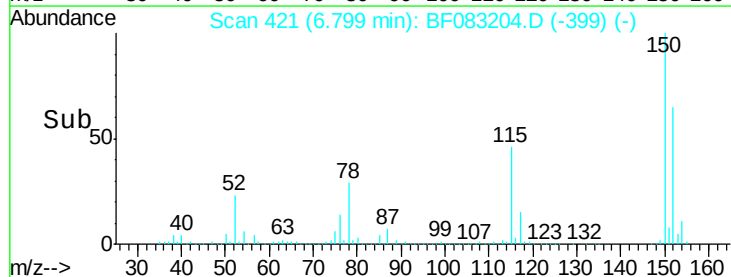
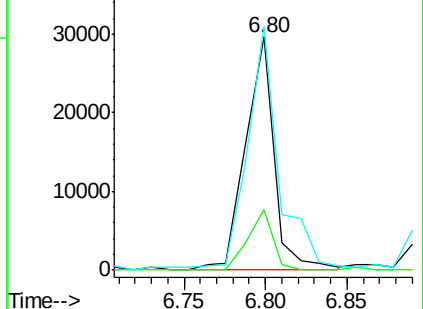
77 104.5 50.5 75.7#

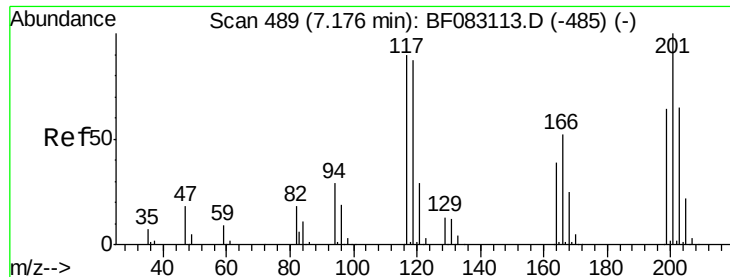


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

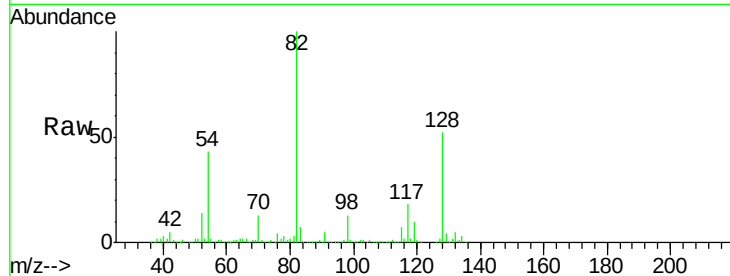




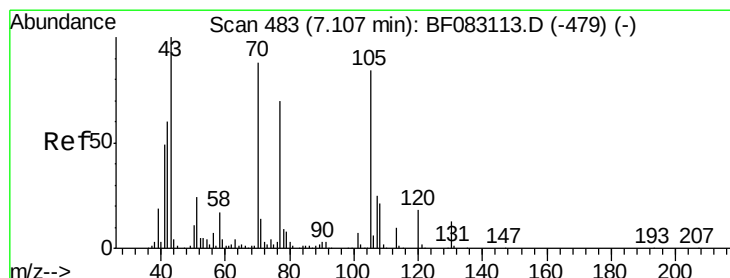
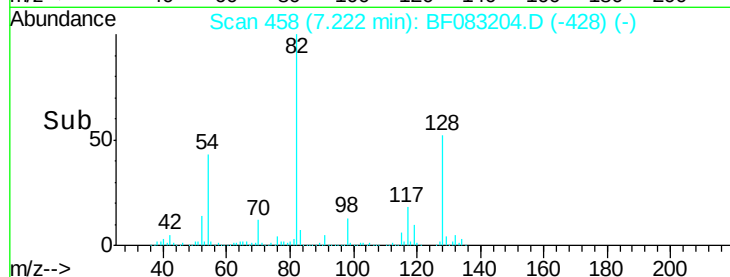
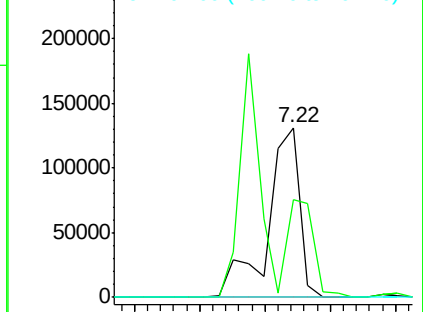
#18  
Hexachloroethane  
Concen: 33.88 ng  
RT: 7.22 min Scan# 458  
Delta R.T. 0.05 min  
Lab File: BF083204.D  
Acq: 23 Nov 2015 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-16

Tgt Ion: 117 Resp: 226513  
Ion Ratio Lower Upper  
117 100  
119 57.4 76.8 115.2#  
201 0.0 88.6 133.0#

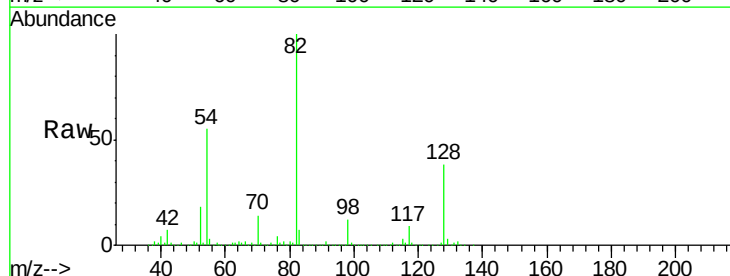


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

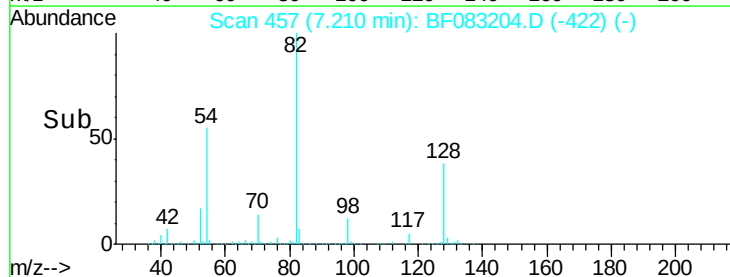
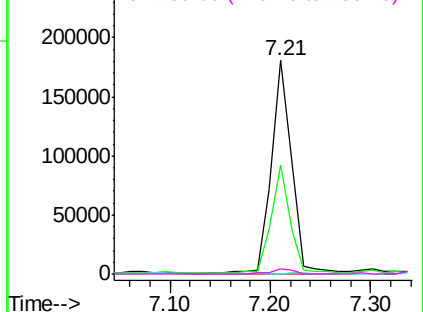


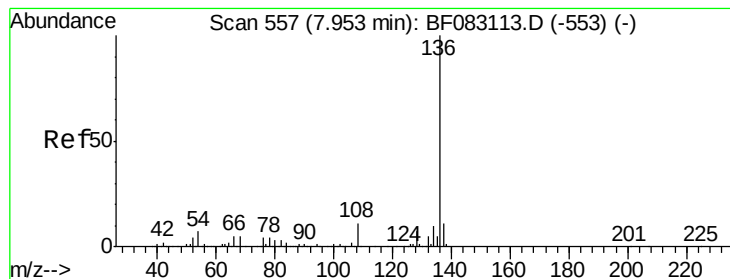
#19  
n-Nitroso-di-n-propylamine  
Concen: 18.28 ng  
RT: 7.21 min Scan# 457  
Delta R.T. 0.10 min  
Lab File: BF083204.D  
Acq: 23 Nov 2015 15:07

Tgt Ion: 70 Resp: 250413  
Ion Ratio Lower Upper  
70 100  
42 50.7 54.5 81.7#  
101 0.3 6.6 9.8#  
130 2.5 11.5 17.3#



Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083204.D

Acq: 23 Nov 2015 15:07

Instrument :

BNA\_F

ClientSampleId :

MW-16

Tgt Ion:136 Resp: 835745

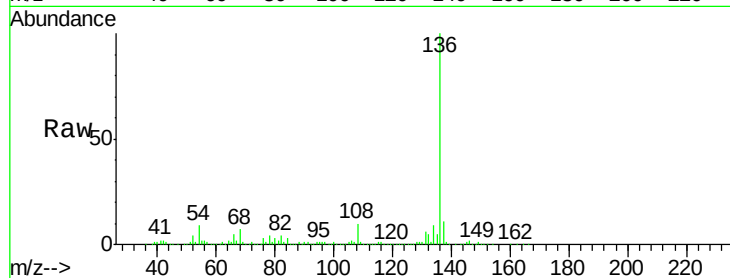
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.1 5.8 8.6#

68 6.9 3.8 5.8#

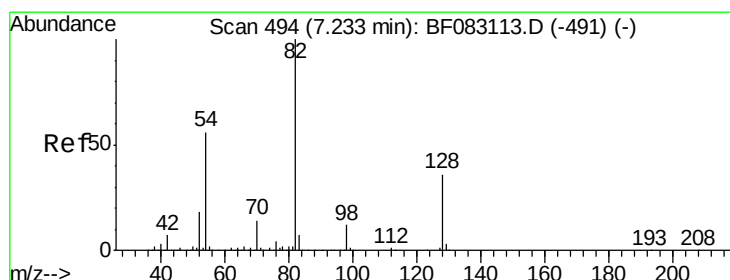
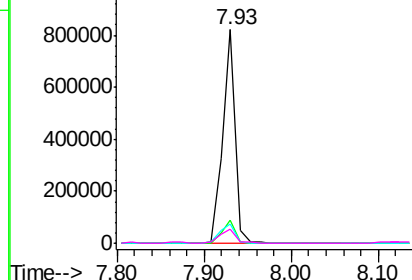
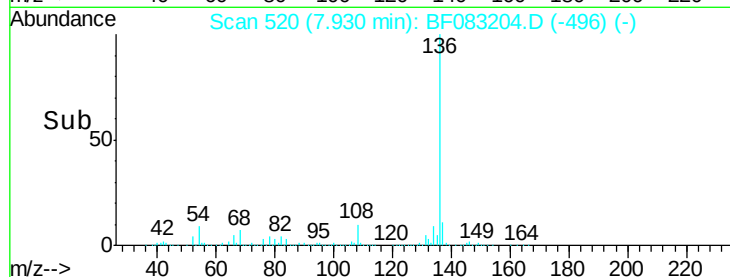


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.76 ng

RT: 7.21 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF083204.D

Acq: 23 Nov 2015 15:07

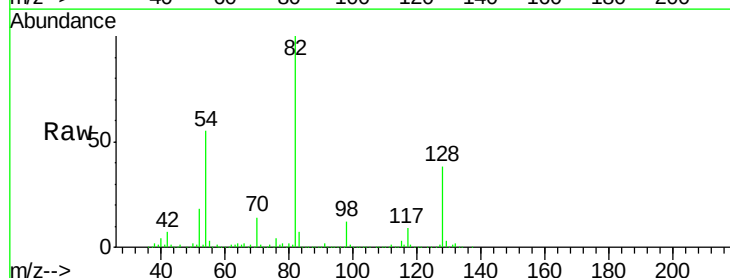
Tgt Ion: 82 Resp: 1806242

Ion Ratio Lower Upper

82 100

128 37.6 28.5 42.7

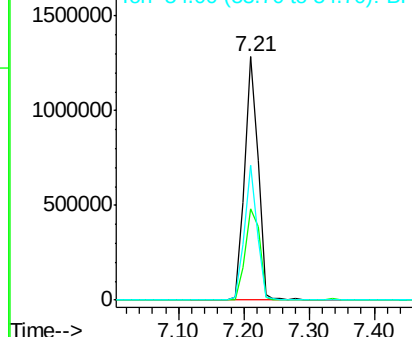
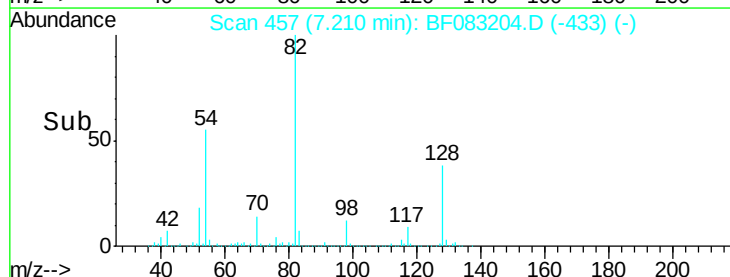
54 55.4 44.6 67.0

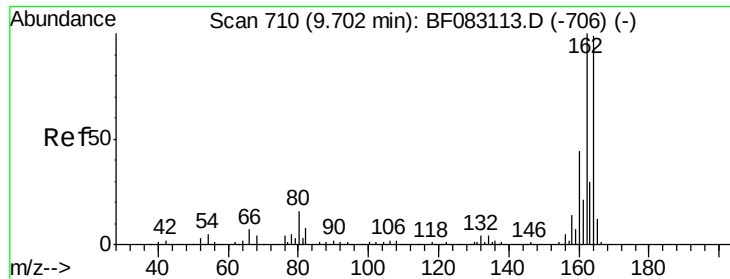


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

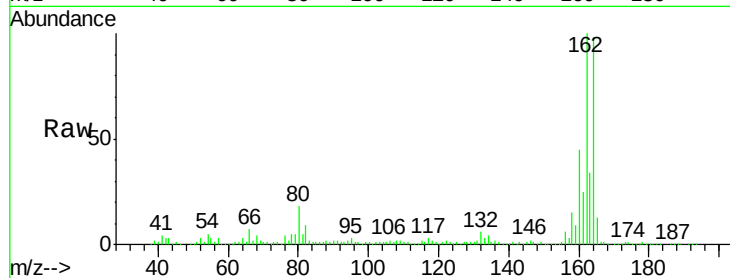




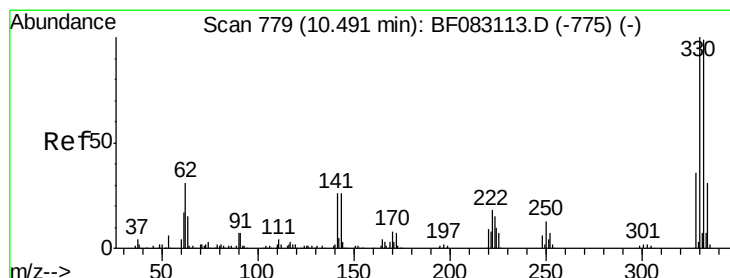
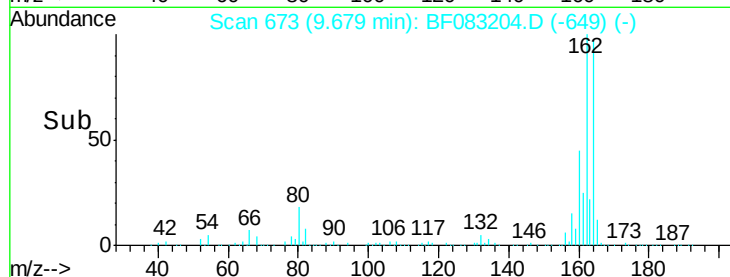
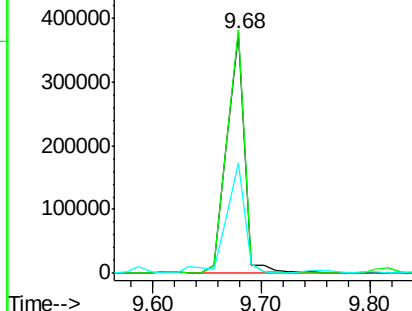
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.68 min Scan# 673  
 Delta R.T. -0.02 min  
 Lab File: BF083204.D  
 Acq: 23 Nov 2015 15:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-16

Tgt Ion:164 Resp: 417149  
 Ion Ratio Lower Upper  
 164 100  
 162 101.6 81.2 121.8  
 160 46.2 35.6 53.4

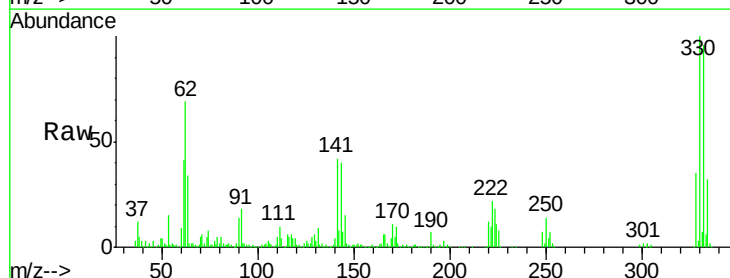


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

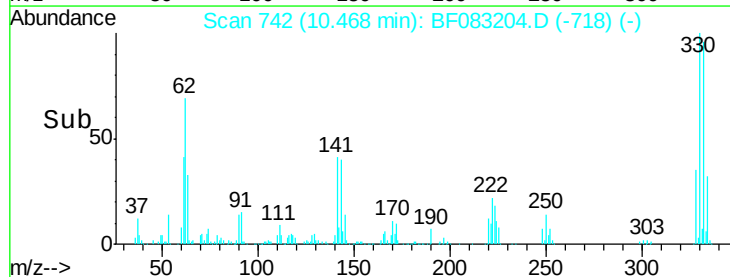
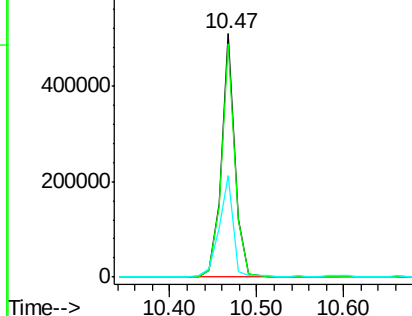


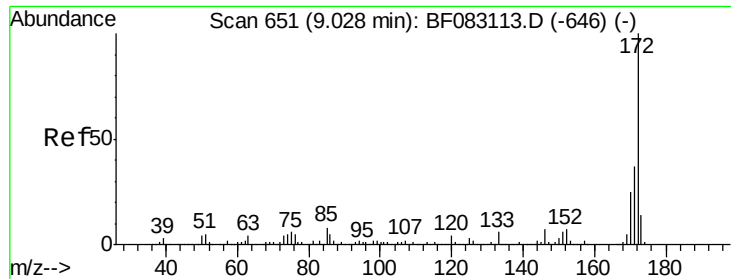
#41  
 2,4,6-Tribromophenol  
 Concen: 130.97 ng  
 RT: 10.47 min Scan# 742  
 Delta R.T. -0.02 min  
 Lab File: BF083204.D  
 Acq: 23 Nov 2015 15:07

Tgt Ion:330 Resp: 558948  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.7 116.5  
 141 42.7 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

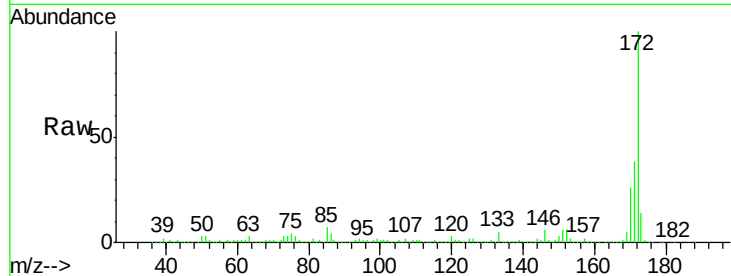




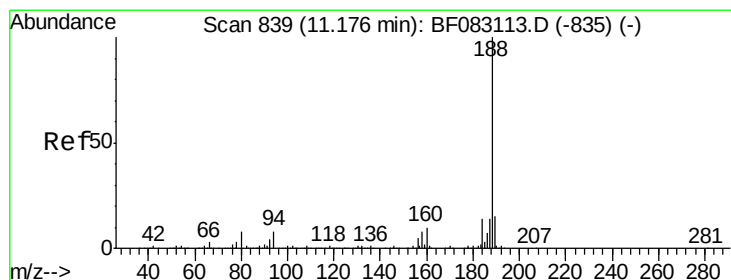
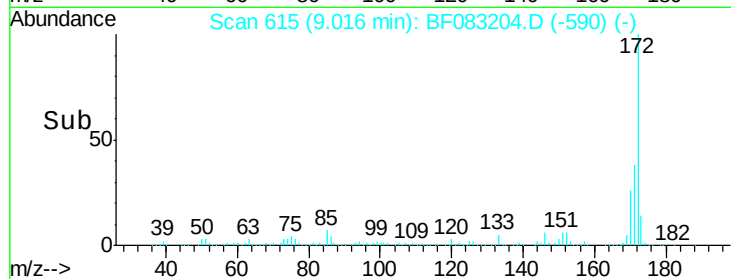
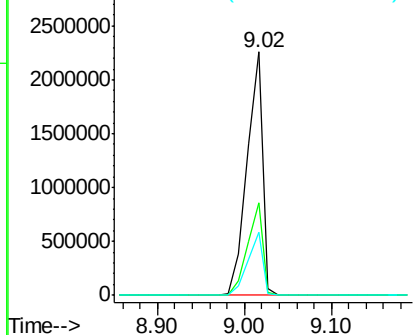
#44  
2-Fluorobiphenyl  
Concen: 95.11 ng  
RT: 9.02 min Scan# 615  
Delta R.T. -0.01 min  
Lab File: BF083204.D  
Acq: 23 Nov 2015 15:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-16

Tgt Ion:172 Resp: 2845307  
Ion Ratio Lower Upper  
172 100  
171 37.8 29.5 44.3  
170 25.9 19.9 29.9

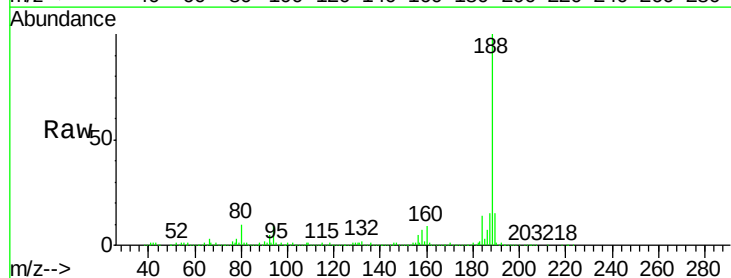


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

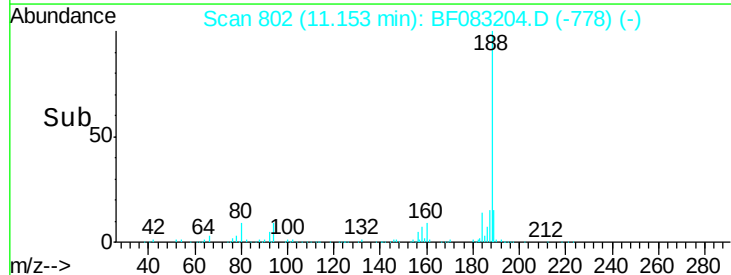
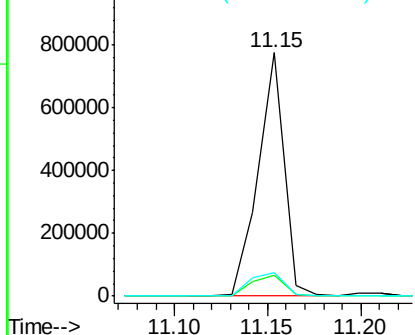


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.15 min Scan# 802  
Delta R.T. -0.02 min  
Lab File: BF083204.D  
Acq: 23 Nov 2015 15:07

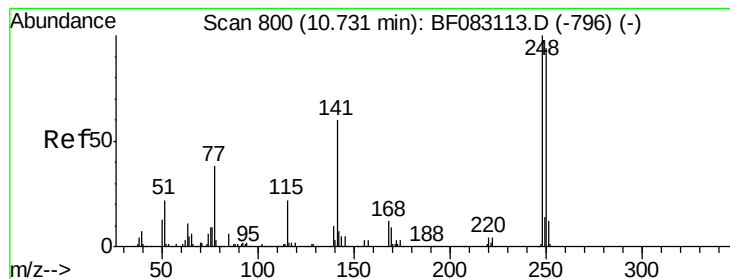
Tgt Ion:188 Resp: 745272  
Ion Ratio Lower Upper  
188 100  
94 8.8 6.0 9.0  
80 9.7 6.7 10.1



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: 4.91 ng

RT: 10.47 min Scan# 742

Delta R.T. -0.26 min

Lab File: BF083204.D

Acq: 23 Nov 2015 15:07

Instrument :

BNA\_F

ClientSampleId :

MW-16

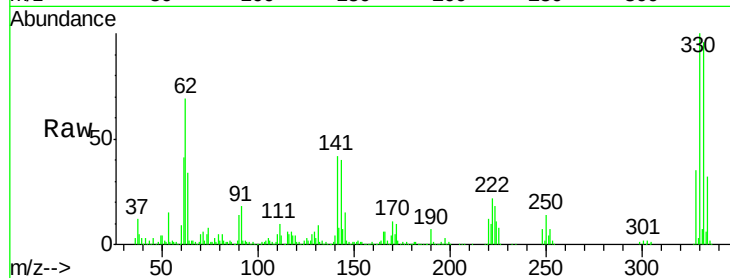
Tgt Ion:248 Resp: 40629

Ion Ratio Lower Upper

248 100

250 184.9 75.4 113.2#

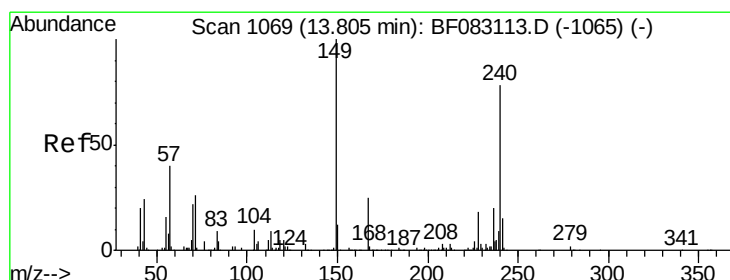
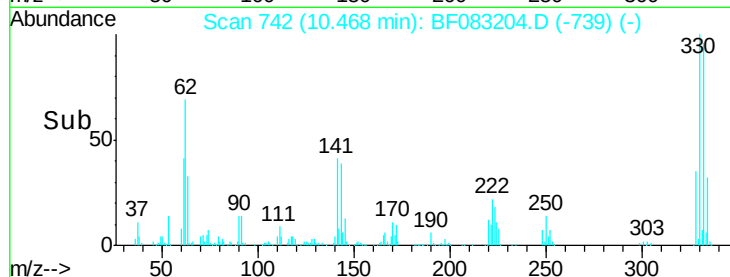
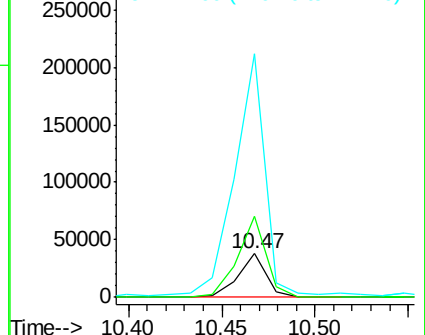
141 557.1 48.1 72.1#



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: 13.77 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF083204.D

Acq: 23 Nov 2015 15:07

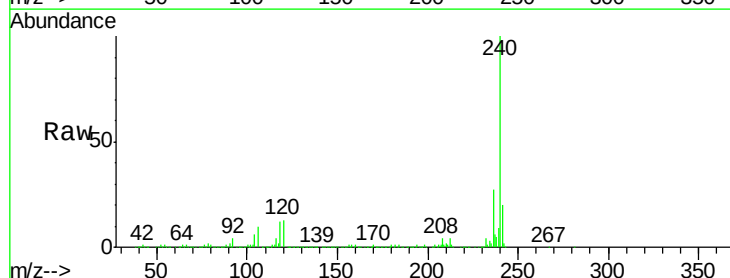
Tgt Ion:240 Resp: 662093

Ion Ratio Lower Upper

240 100

120 13.0 5.4 8.2#

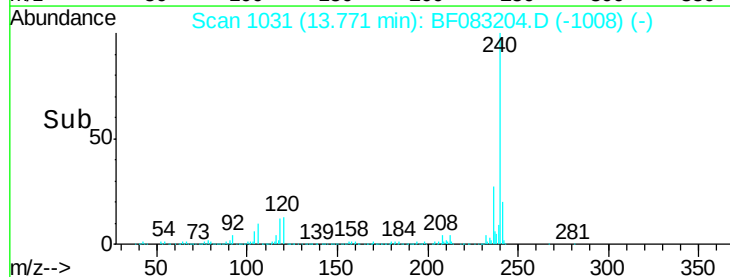
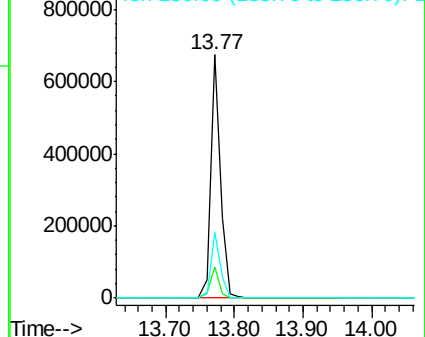
236 26.8 20.6 31.0

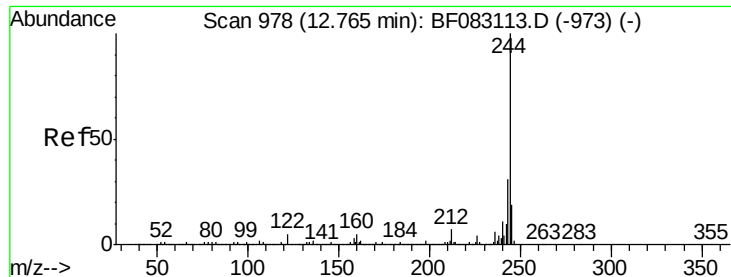


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

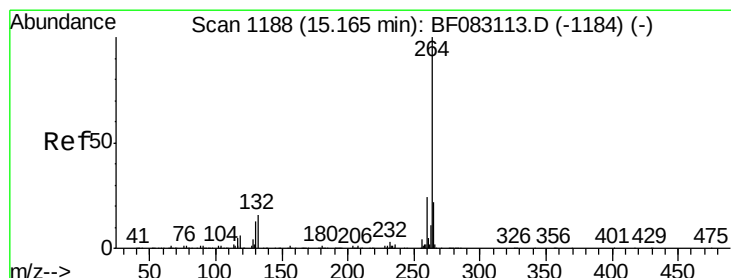
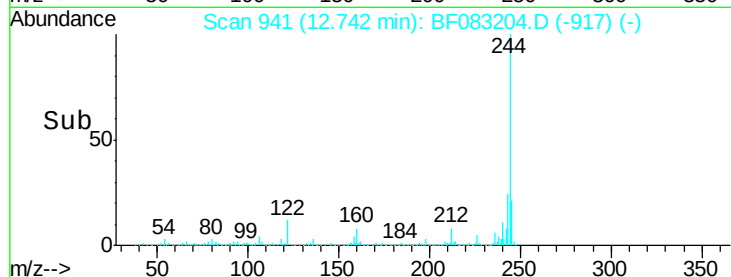
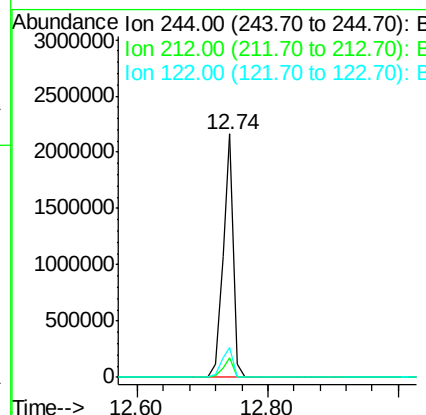
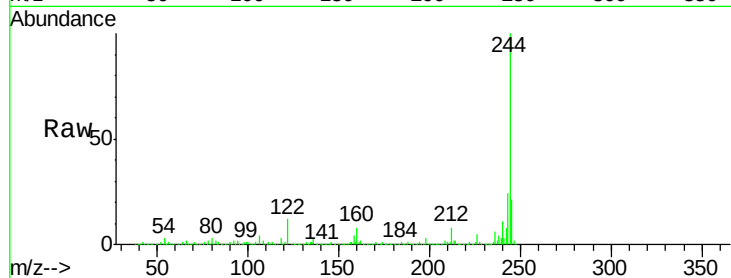




#78  
 Terphenyl-d14  
 Concen: 85.19 ng  
 RT: 12.74 min Scan# 941  
 Delta R.T. -0.02 min  
 Lab File: BF083204.D  
 Acq: 23 Nov 2015 15:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-16

Tgt Ion:244 Resp: 2395095  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 5.4 8.2  
 122 12.1 4.3 6.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.13 min Scan# 1150  
 Delta R.T. -0.03 min  
 Lab File: BF083204.D  
 Acq: 23 Nov 2015 15:07

Tgt Ion:264 Resp: 550047  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.1 28.7  
 265 21.9 18.2 27.4

