

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092016\  
 Data File : BF090145.D  
 Acq On : 20 Sep 2016 20:29  
 Operator : UM/SJ  
 Sample : H4854-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-A1A

Quant Time: Sep 21 01:11:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 20 17:58:29 2016  
 Response via : Initial Calibration

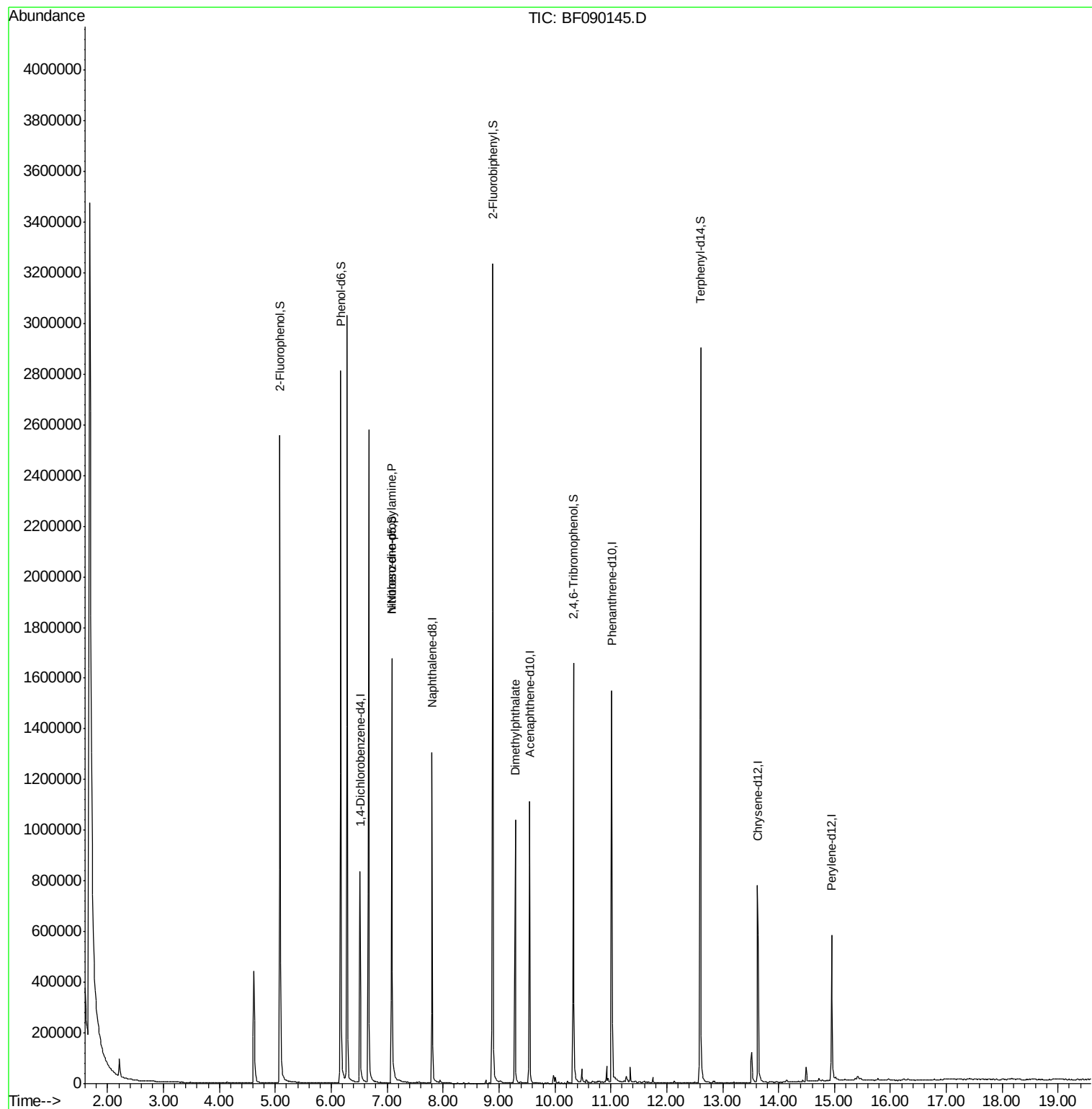
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.51  | 152  | 157642   | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8             | 7.80  | 136  | 650162   | 20.00  | ng    | -0.01       |
| 38) Acenaphthene-d10           | 9.55  | 164  | 356036   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10           | 11.02 | 188  | 578430   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12               | 13.62 | 240  | 408568   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12               | 14.95 | 264  | 278220   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.08  | 112  | 925861   | 95.73  | ng    | 0.01        |
| 7) Phenol-d6                   | 6.17  | 99   | 1302362  | 109.04 | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.08  | 82   | 710103   | 63.31  | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol       | 10.33 | 330  | 215625   | 70.59  | ng    | -0.01       |
| 44) 2-Fluorobiphenyl           | 8.89  | 172  | 1347631  | 74.31  | ng    | 0.00        |
| 78) Terphenyl-d14              | 12.61 | 244  | 1098446  | 68.26  | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.08  | 70   | 76844    | 10.95  | ng    | Qvalue # 80 |
| 49) Dimethylphthalate          | 9.29  | 163  | 561450   | 24.76  | ng    | 99          |

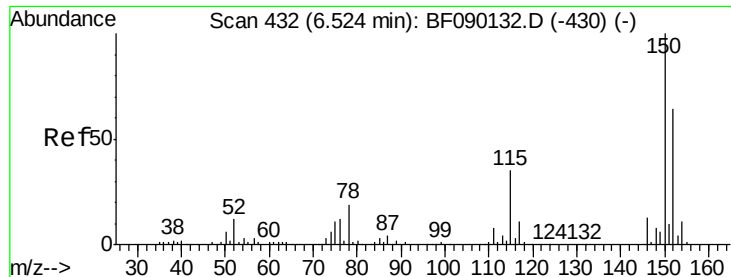
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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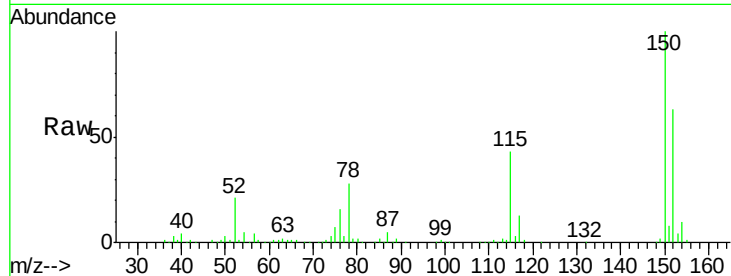


#1

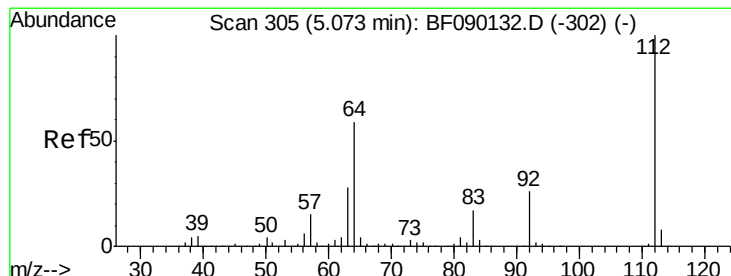
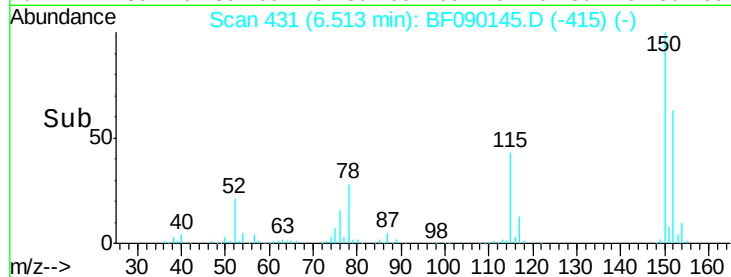
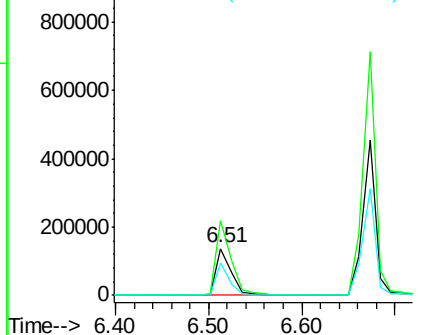
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.51 min Scan# 431  
Delta R.T. -0.01 min  
Lab File: BF090145.D  
Acq: 20 Sep 2016 20:29

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-A1A

Tgt Ion:152 Resp: 157642  
Ion Ratio Lower Upper  
152 100  
150 159.0 128.9 193.3  
115 68.0 55.5 83.3



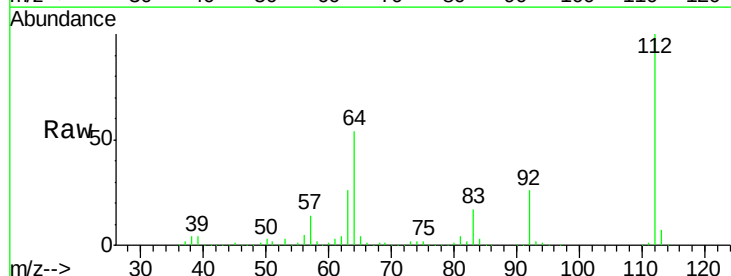
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



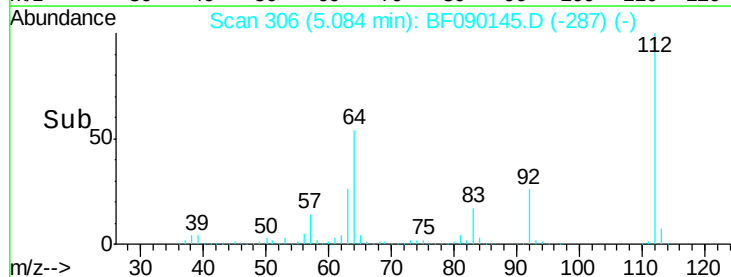
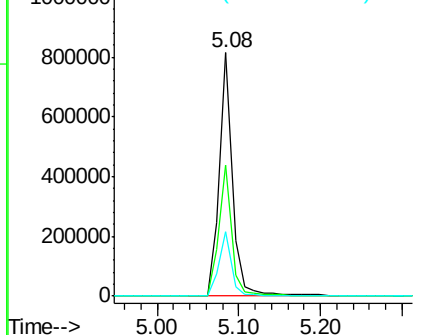
#5

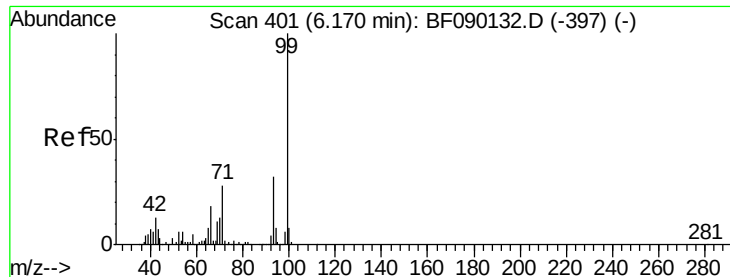
2-Fluorophenol  
Concen: 95.73 ng  
RT: 5.08 min Scan# 306  
Delta R.T. 0.01 min  
Lab File: BF090145.D  
Acq: 20 Sep 2016 20:29

Tgt Ion:112 Resp: 925861  
Ion Ratio Lower Upper  
112 100  
64 53.9 39.8 59.6  
63 26.2 18.9 28.3



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: 109.04 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF090145.D

Acq: 20 Sep 2016 20:29

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A1A

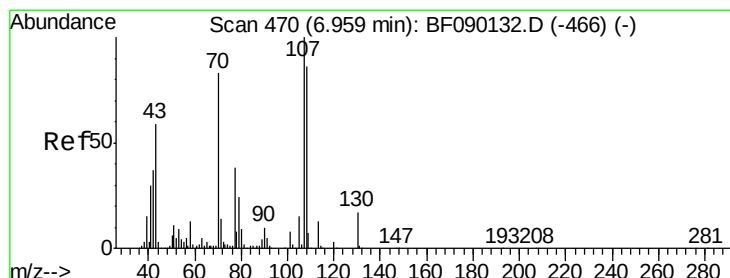
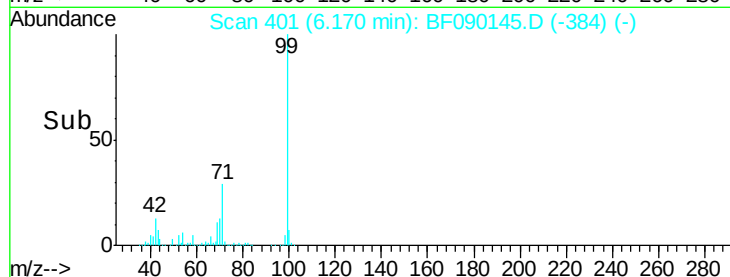
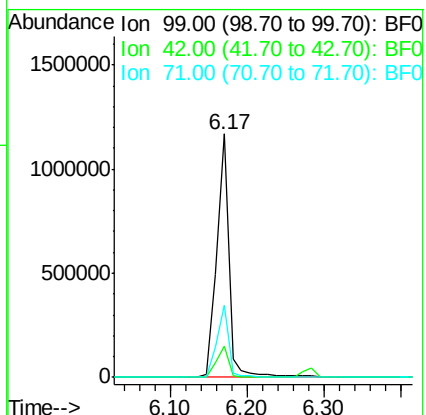
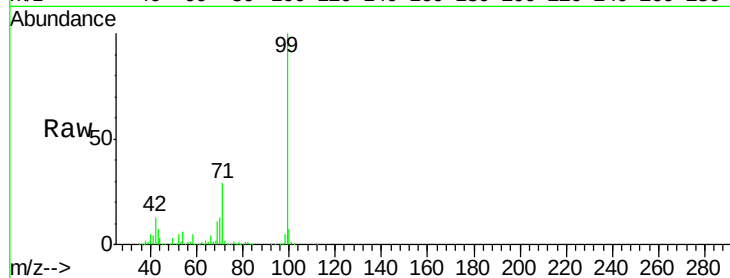
Tgt Ion: 99 Resp: 1302362

Ion Ratio Lower Upper

99 100

42 12.6 10.6 15.8

71 29.4 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.95 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.13 min

Lab File: BF090145.D

Acq: 20 Sep 2016 20:29

Tgt Ion: 70 Resp: 76844

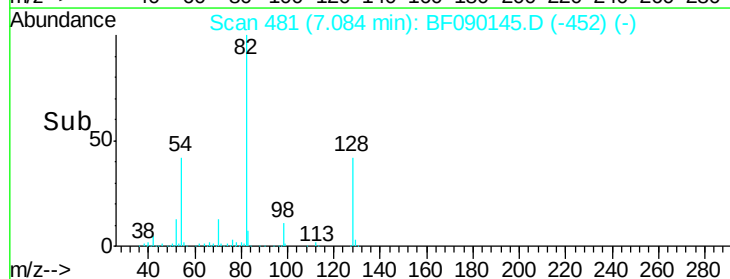
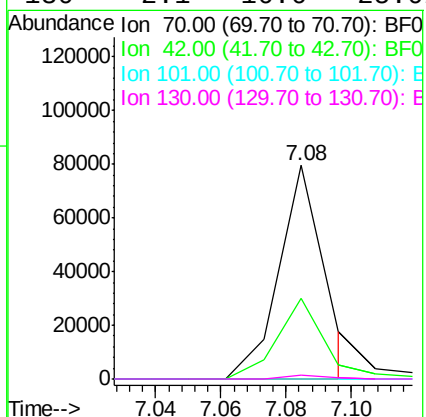
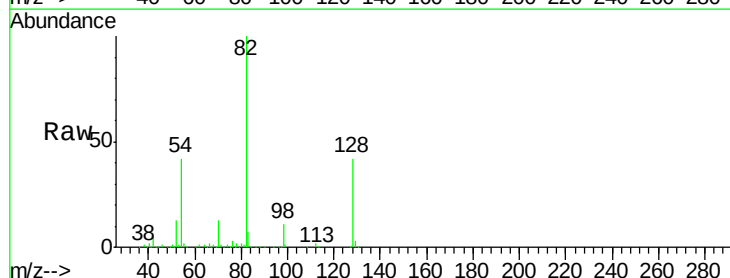
Ion Ratio Lower Upper

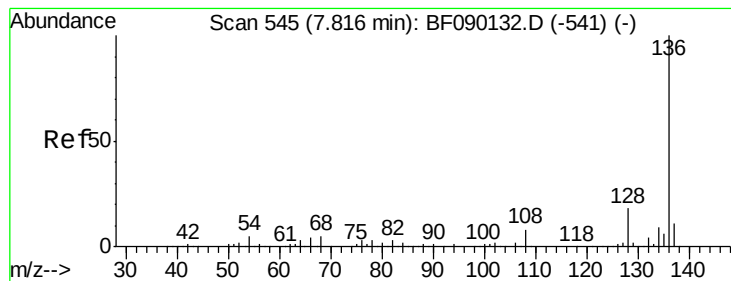
70 100

42 37.7 35.1 52.7

101 0.0 7.5 11.3#

130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF090145.D

Acq: 20 Sep 2016 20:29

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A1A

Tgt Ion:136 Resp: 650162

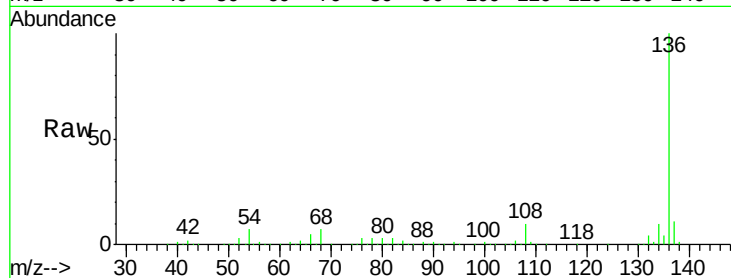
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.0 6.4 9.6

68 6.7 6.3 9.5

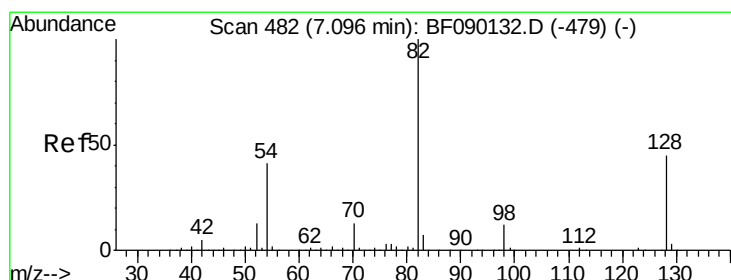
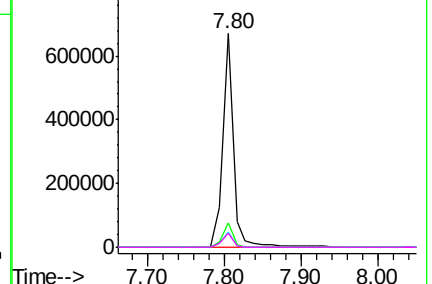
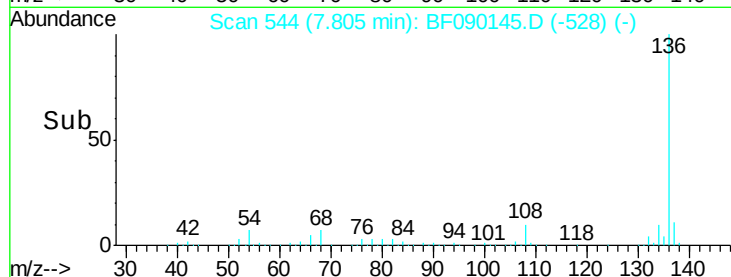


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.31 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF090145.D

Acq: 20 Sep 2016 20:29

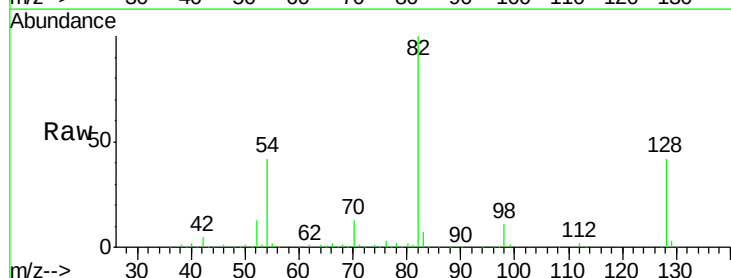
Tgt Ion: 82 Resp: 710103

Ion Ratio Lower Upper

82 100

128 42.5 37.5 56.3

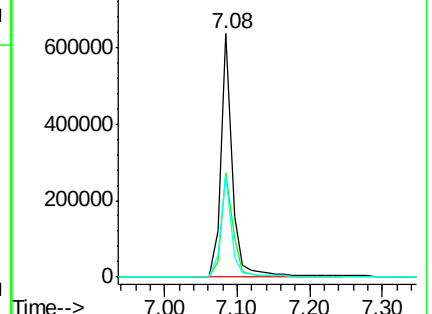
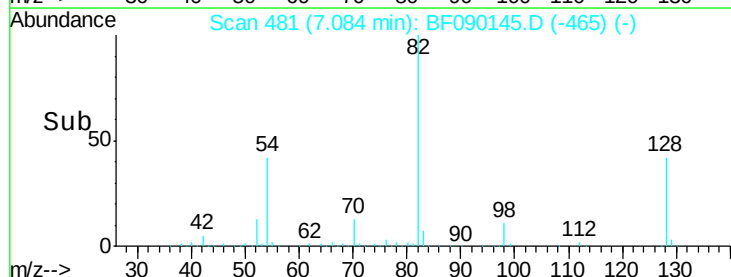
54 41.6 31.9 47.9

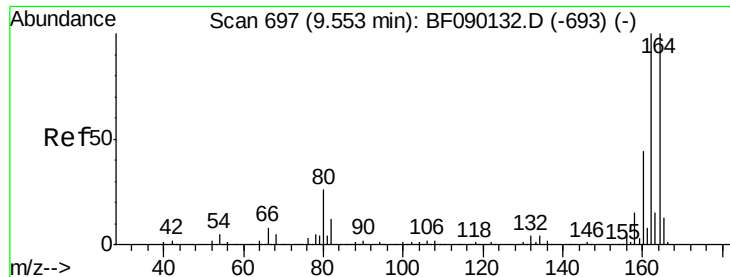


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

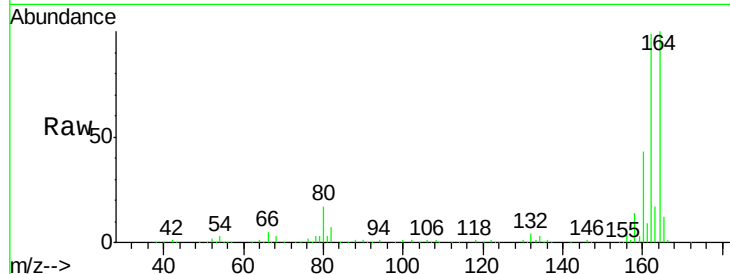




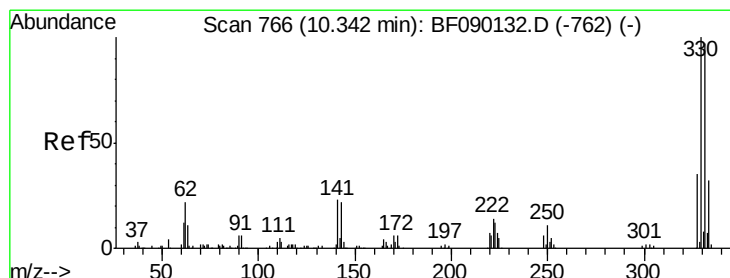
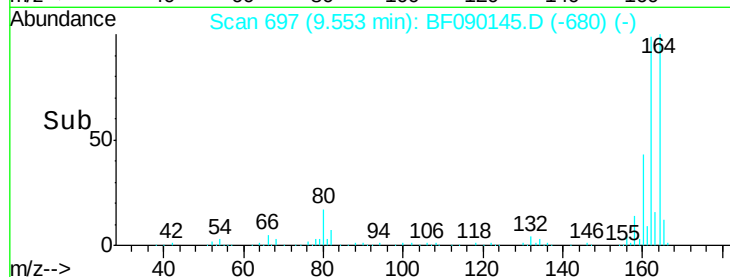
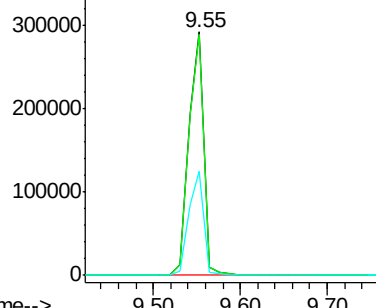
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.55 min Scan# 697  
Delta R.T. -0.00 min  
Lab File: BF090145.D  
Acq: 20 Sep 2016 20:29

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-A1A

Tgt Ion:164 Resp: 356036  
Ion Ratio Lower Upper  
164 100  
162 99.0 81.4 122.2  
160 42.8 36.6 54.8

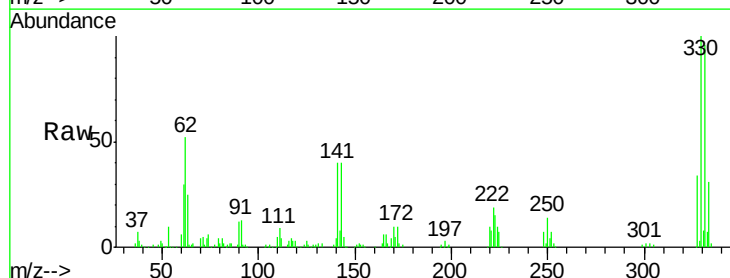


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

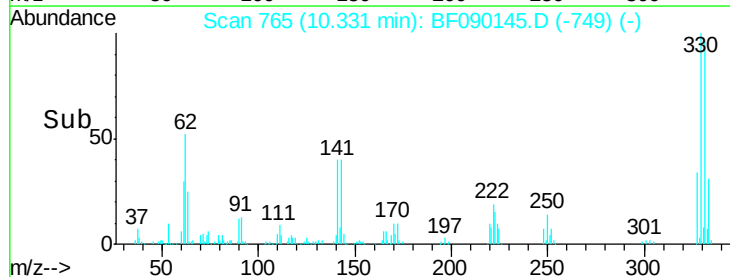
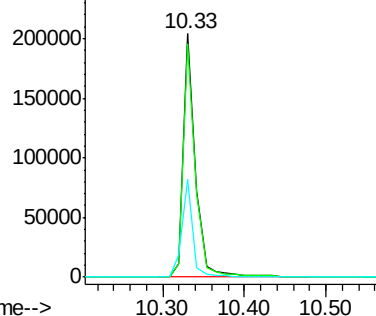


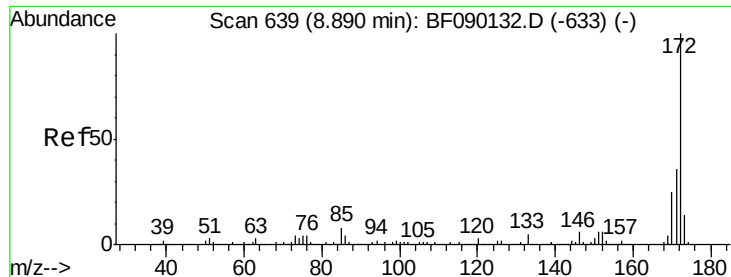
#41  
2,4,6-Tribromophenol  
Concen: 70.59 ng  
RT: 10.33 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: BF090145.D  
Acq: 20 Sep 2016 20:29

Tgt Ion:330 Resp: 215625  
Ion Ratio Lower Upper  
330 100  
332 96.5 78.1 117.1  
141 37.0 23.9 35.9#



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

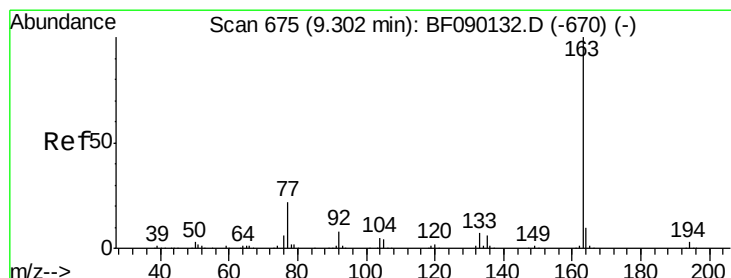
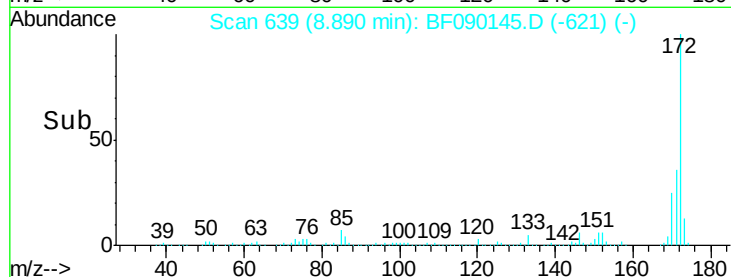
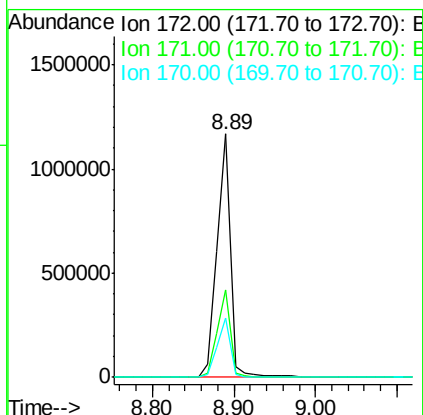
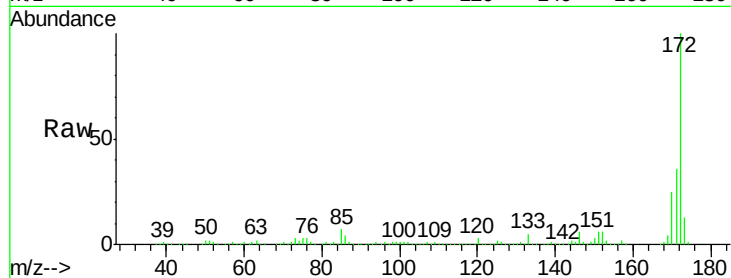




#44  
 2-Fluorobiphenyl  
 Concen: 74.31 ng  
 RT: 8.89 min Scan# 639  
 Delta R.T. 0.00 min  
 Lab File: BF090145.D  
 Acq: 20 Sep 2016 20:29

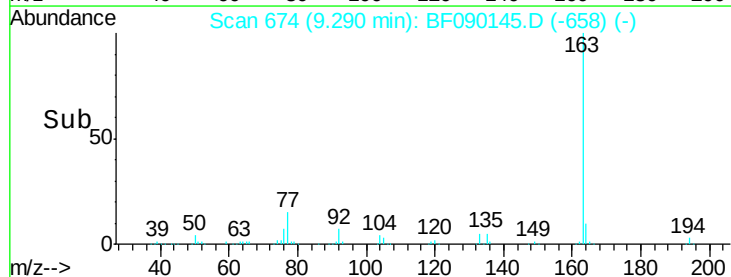
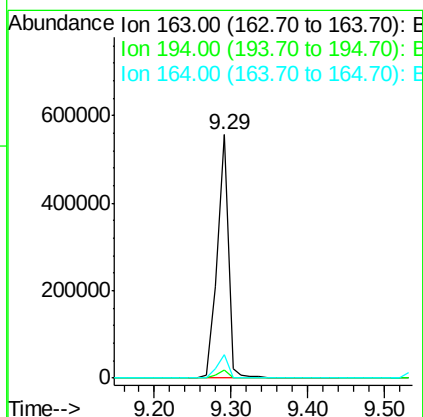
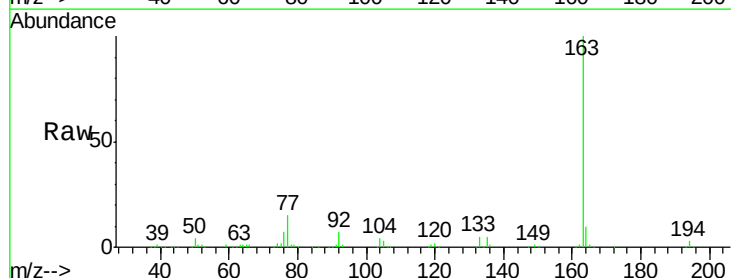
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 FK-BPM-01-A1A

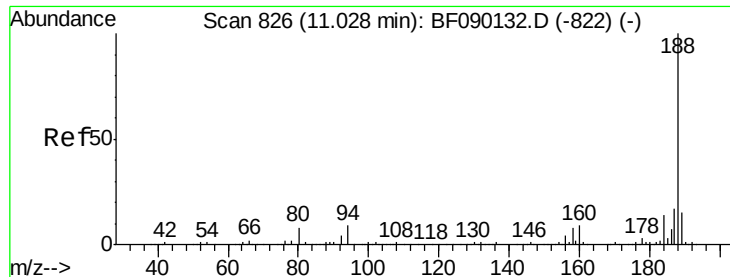
Tgt Ion:172 Resp: 1347631  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.2 43.8  
 170 24.6 19.8 29.8



#49  
 Dimethylphthalate  
 Concen: 24.76 ng  
 RT: 9.29 min Scan# 674  
 Delta R.T. -0.01 min  
 Lab File: BF090145.D  
 Acq: 20 Sep 2016 20:29

Tgt Ion:163 Resp: 561450  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 2.8 4.2  
 164 9.6 8.1 12.1

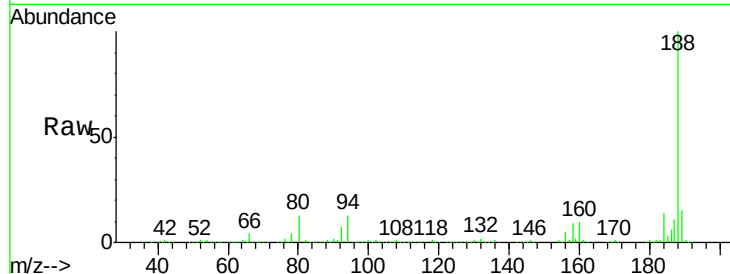




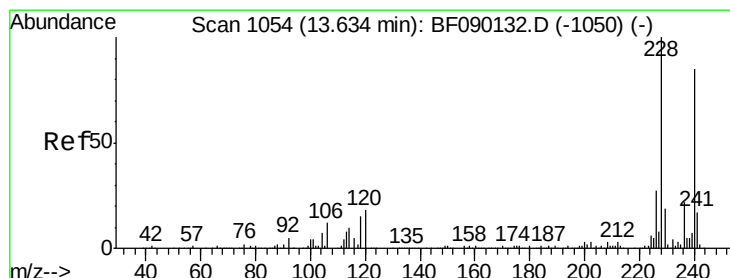
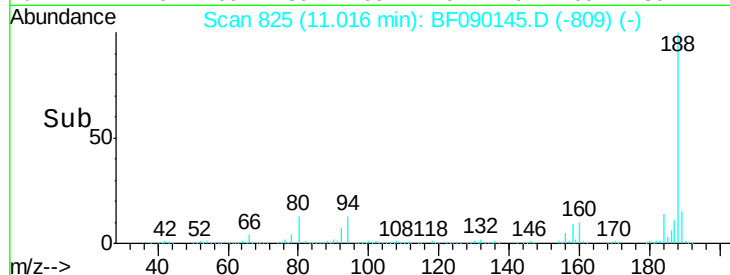
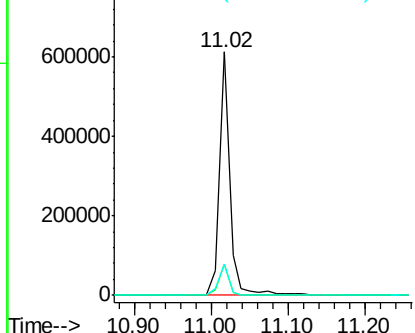
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.02 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BF090145.D  
Acq: 20 Sep 2016 20:29

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-A1A

Tgt Ion:188 Resp: 578430  
Ion Ratio Lower Upper  
188 100  
94 12.6 10.5 15.7  
80 13.0 11.2 16.8

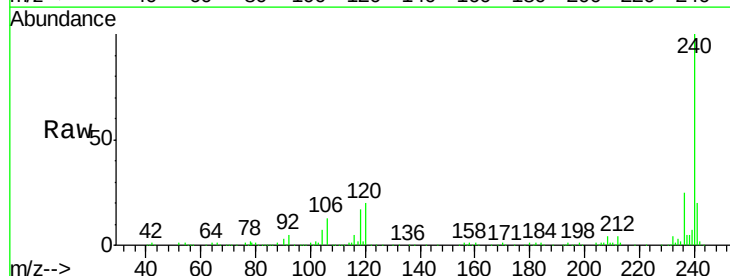


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

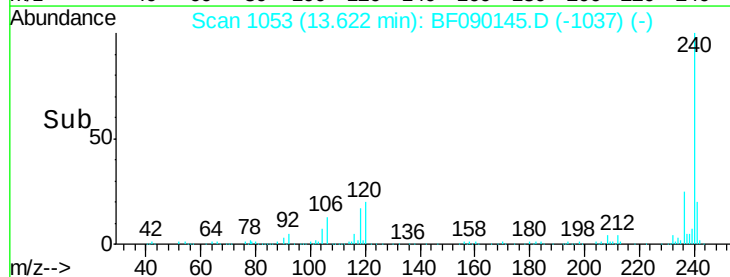
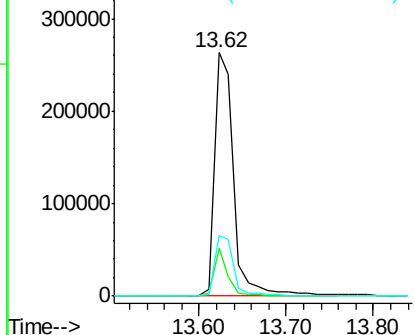


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.62 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: BF090145.D  
Acq: 20 Sep 2016 20:29

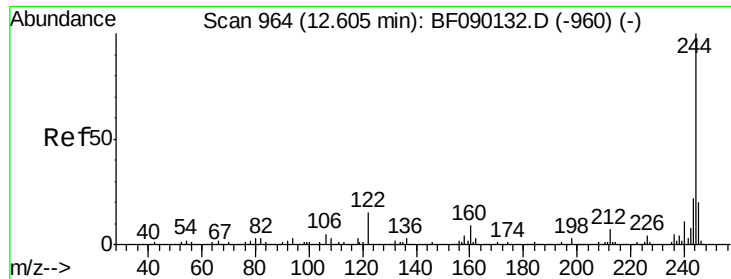
Tgt Ion:240 Resp: 408568  
Ion Ratio Lower Upper  
240 100  
120 19.8 10.6 16.0#  
236 25.1 21.6 32.4



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: 68.26 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.00 min

Lab File: BF090145.D

Acq: 20 Sep 2016 20:29

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-A1A

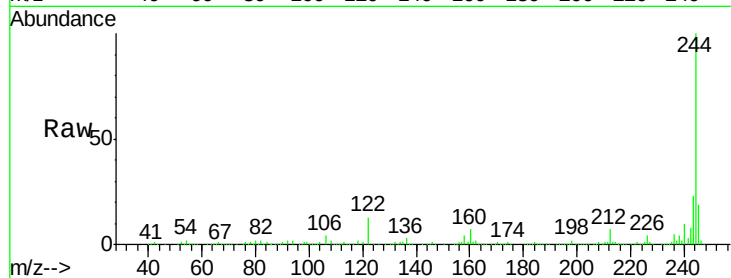
Tgt Ion:244 Resp: 1098446

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

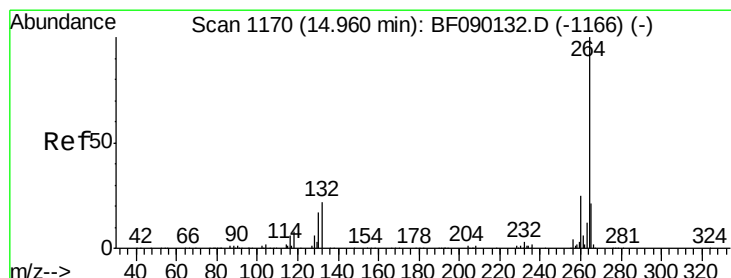
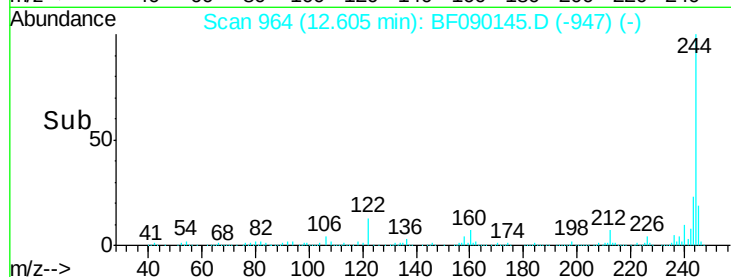
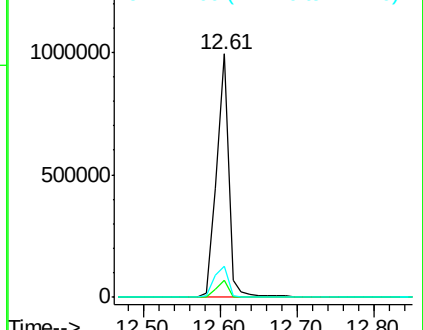
122 12.6 9.4 14.0



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: 14.95 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF090145.D

Acq: 20 Sep 2016 20:29

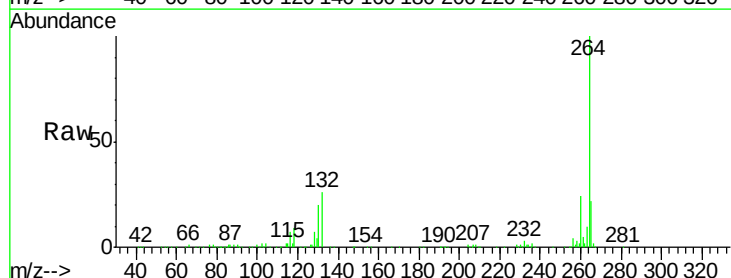
Tgt Ion:264 Resp: 278220

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.8 17.0 25.4



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

