

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100915\  
 Data File : BF082145.D  
 Acq On : 9 Oct 2015 15:02  
 Operator : UM/IZ  
 Sample : G3918-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC100215-L

Quant Time: Oct 09 16:16:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 08 02:46:05 2015  
 Response via : Initial Calibration

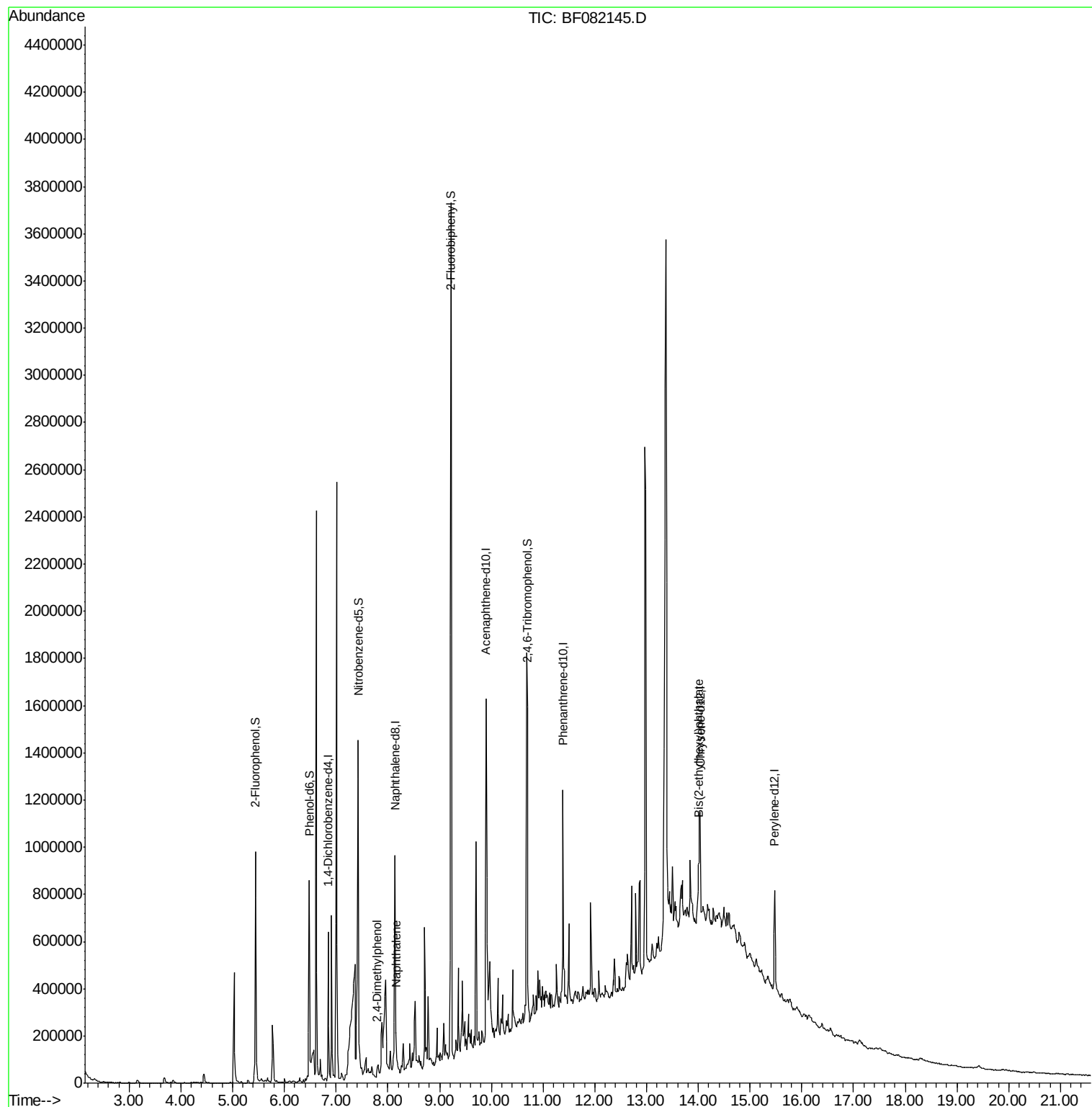
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 111633   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.14  | 136  | 446857   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.90  | 164  | 205104   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.38 | 188  | 372080   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 14.04 | 240  | 263729   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.48 | 264  | 229091   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.44  | 112  | 401613   | 65.31  | ng    | -0.02    |
| 7) Phenol-d6                   | 6.48  | 99   | 313074   | 40.46  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 776071   | 115.77 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 326717   | 157.29 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 1424075  | 128.78 | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.98 | 244  | 1177151  | -20.00 | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 27) 2,4-Dimethylphenol         | 7.79  | 122  | 12384    | 2.01   | ng    | # 74     |
| 31) Naphthalene                | 8.16  | 128  | 45303    | 2.29   | ng    | # 95     |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 132948   | 17.88  | ng    | 96       |

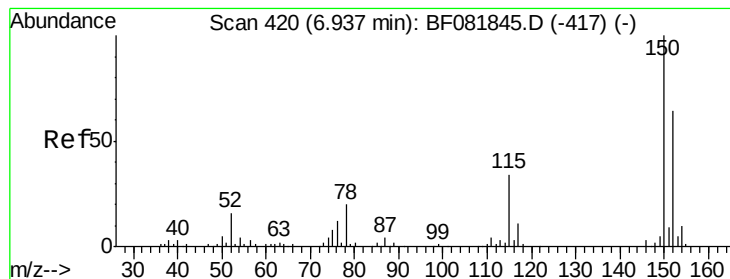
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100915\  
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BNA\_F  
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WC100215-L

Quant Time: Oct 09 16:16:54 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
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QLast Update : Thu Oct 08 02:46:05 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

WC100215-L

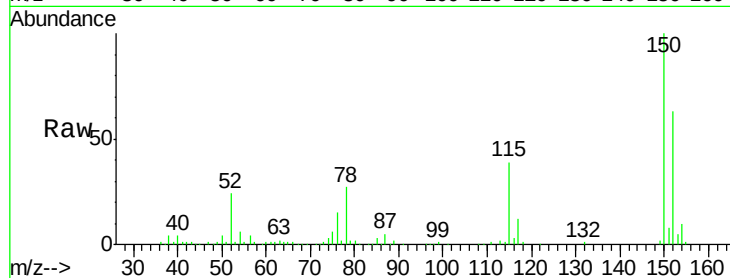
Tgt Ion:152 Resp: 111633

Ion Ratio Lower Upper

152 100

150 158.4 124.7 187.1

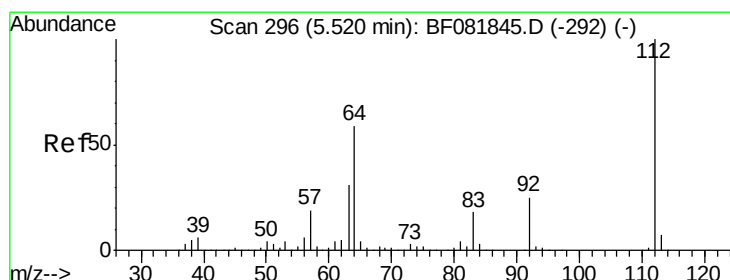
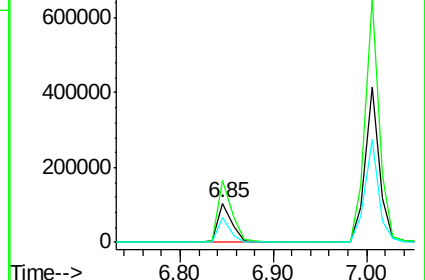
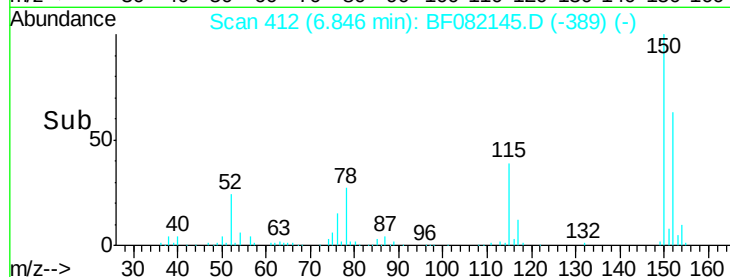
115 61.9 39.0 58.4#



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: 65.31 ng

RT: 5.44 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

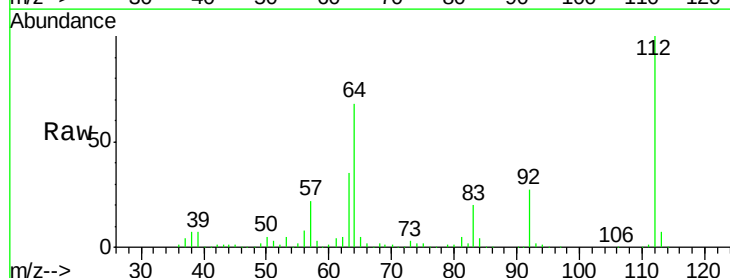
Tgt Ion:112 Resp: 401613

Ion Ratio Lower Upper

112 100

64 67.7 39.7 59.5#

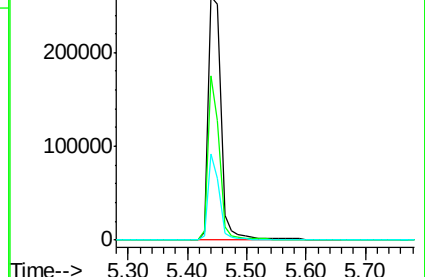
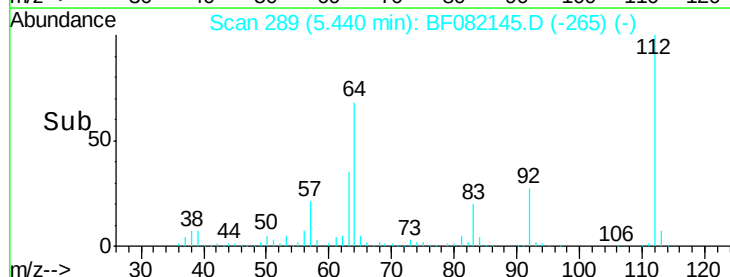
63 35.5 17.4 26.0#

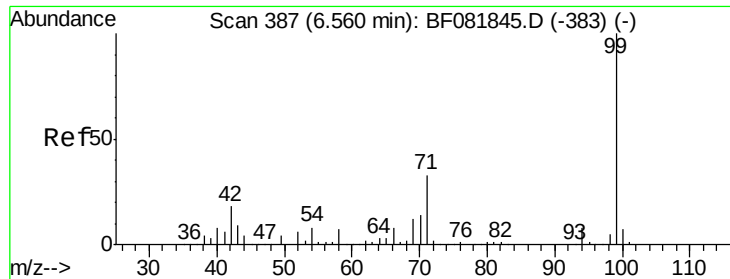


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.46 ng

RT: 6.48 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

WC100215-L

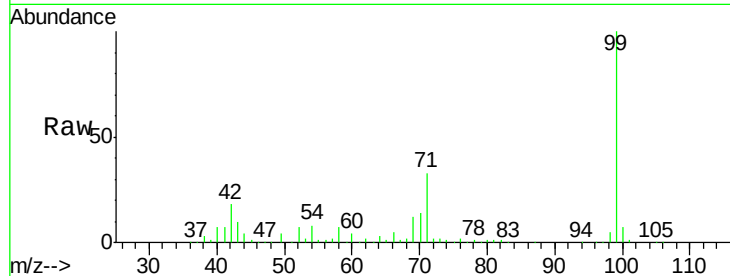
Tgt Ion: 99 Resp: 313074

Ion Ratio Lower Upper

99 100

42 18.5 13.7 20.5

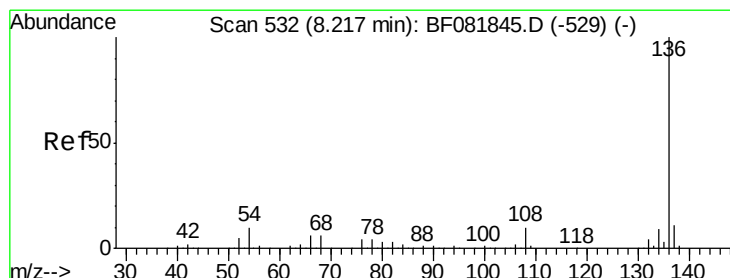
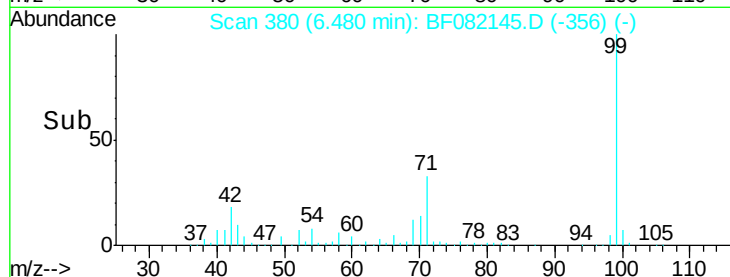
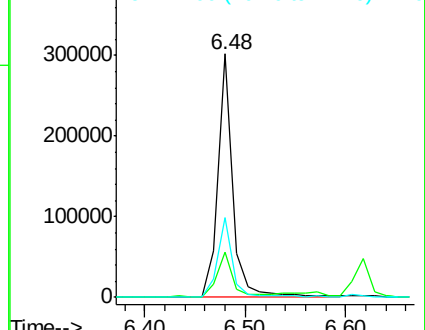
71 33.0 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

Tgt Ion: 136 Resp: 446857

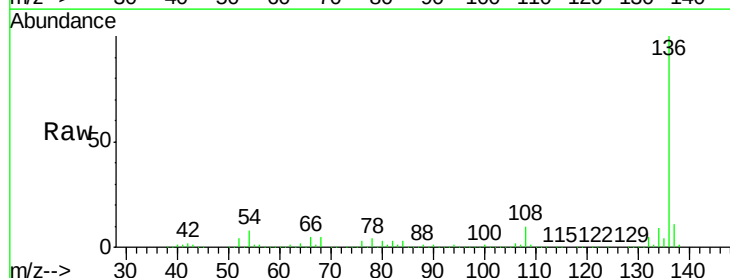
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.9 8.2 12.2#

68 5.5 5.8 8.6#

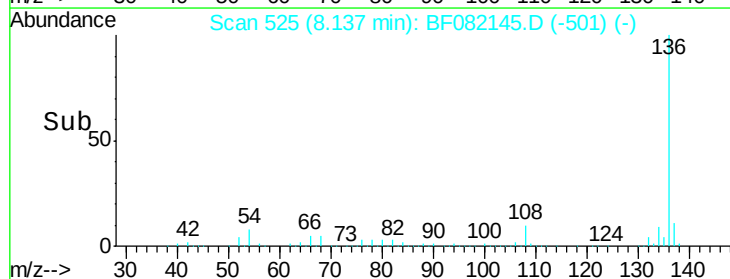
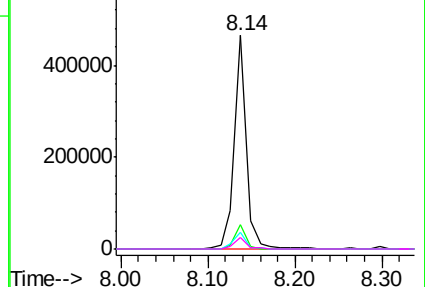


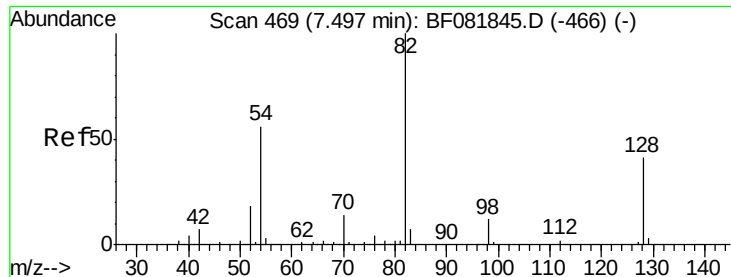
Abundance Ion 136.00 (135.70 to 136.70): E

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

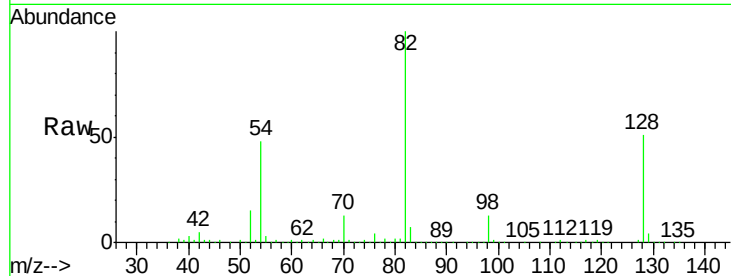




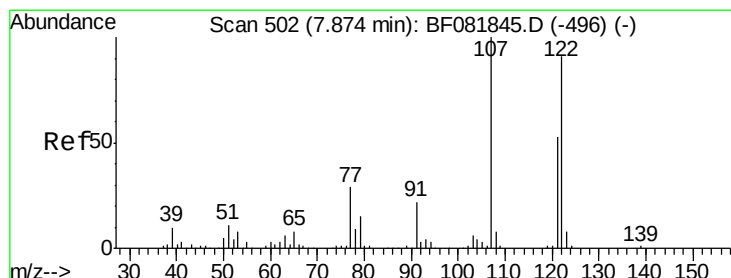
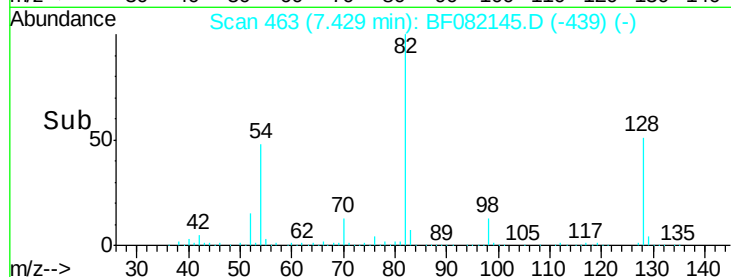
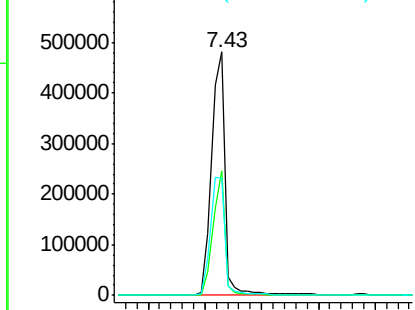
#23  
 Nitrobenzene-d5  
 Concen: 115.77 ng  
 RT: 7.43 min Scan# 463  
 Delta R.T. -0.02 min  
 Lab File: BF082145.D  
 Acq: 9 Oct 2015 15:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC100215-L

Tgt Ion: 82 Resp: 776071  
 Ion Ratio Lower Upper  
 82 100  
 128 51.2 51.0 76.6  
 54 47.9 47.5 71.3

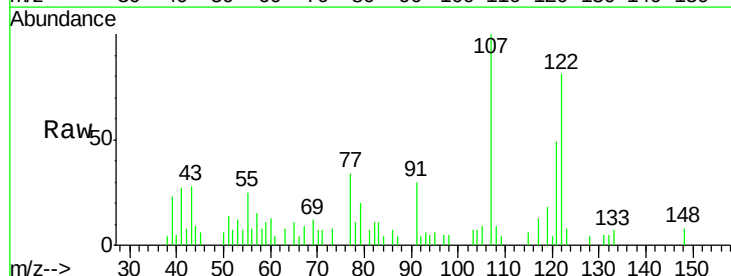


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

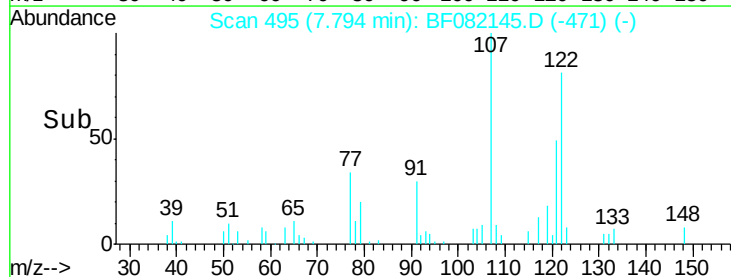
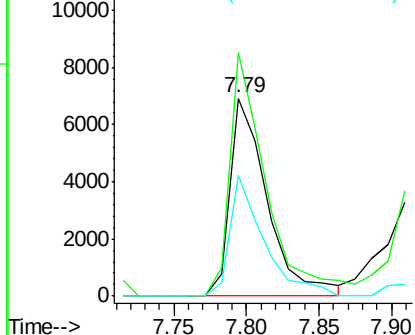


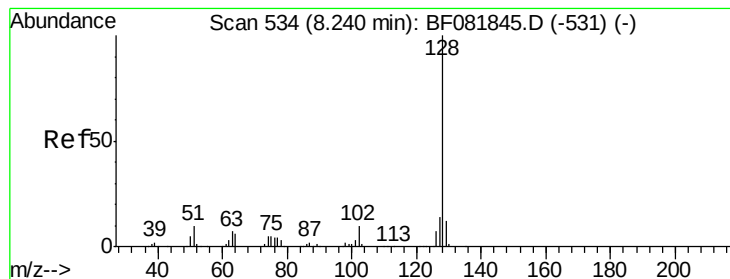
#27  
 2,4-Dimethylphenol  
 Concen: 2.01 ng  
 RT: 7.79 min Scan# 495  
 Delta R.T. -0.02 min  
 Lab File: BF082145.D  
 Acq: 9 Oct 2015 15:02

Tgt Ion: 122 Resp: 12384  
 Ion Ratio Lower Upper  
 122 100  
 107 123.0 71.8 107.6#  
 121 60.7 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 2.29 ng

RT: 8.16 min Scan# 527

Delta R.T. -0.02 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

WC100215-L

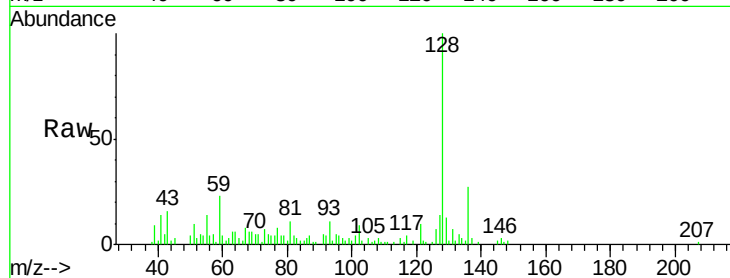
Tgt Ion:128 Resp: 45303

Ion Ratio Lower Upper

128 100

129 12.6 8.4 12.6#

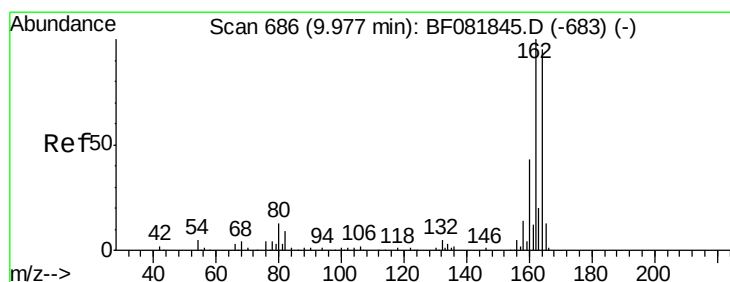
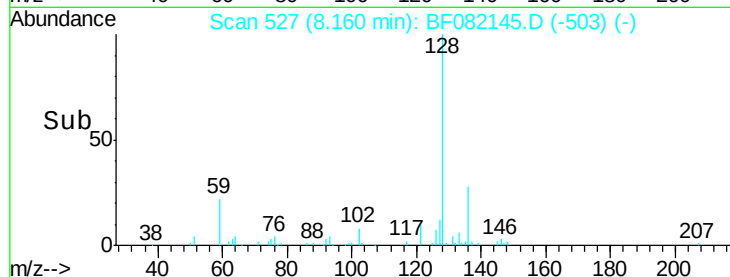
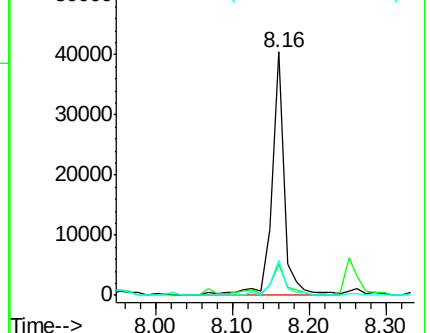
127 14.4 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

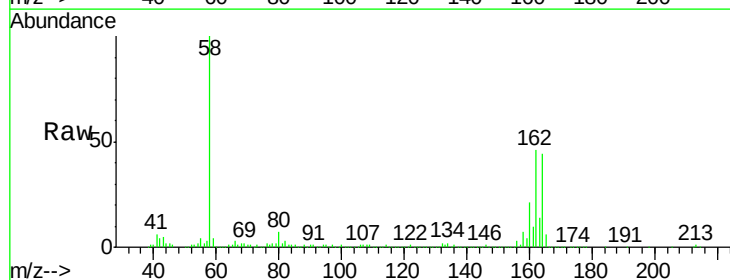
Tgt Ion:164 Resp: 205104

Ion Ratio Lower Upper

164 100

162 104.1 75.2 112.8

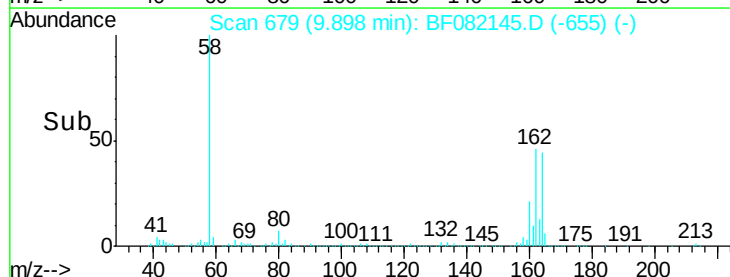
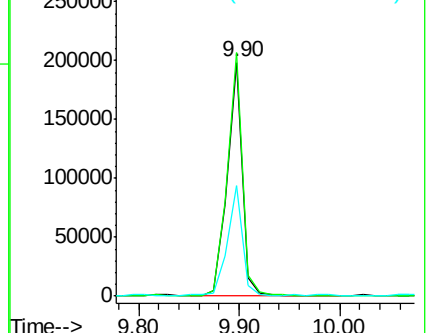
160 47.1 31.5 47.3

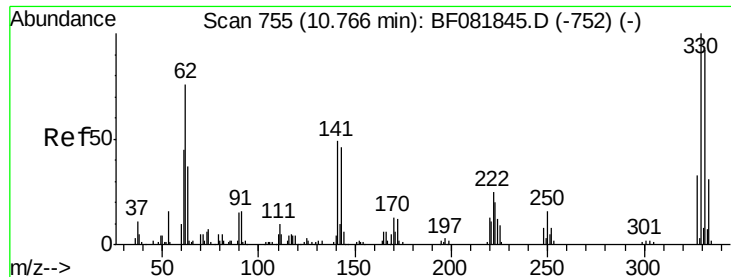


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

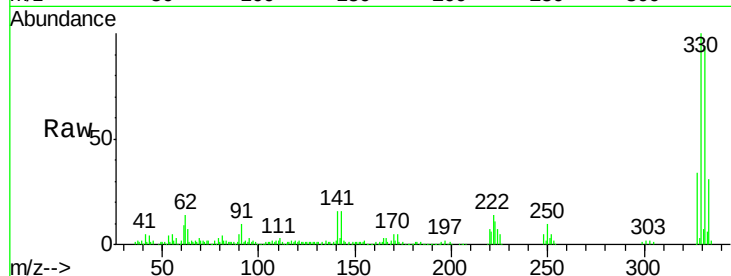




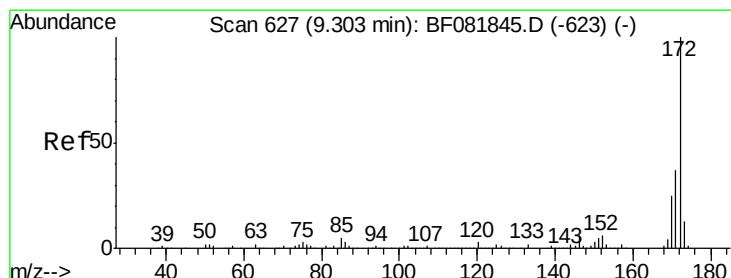
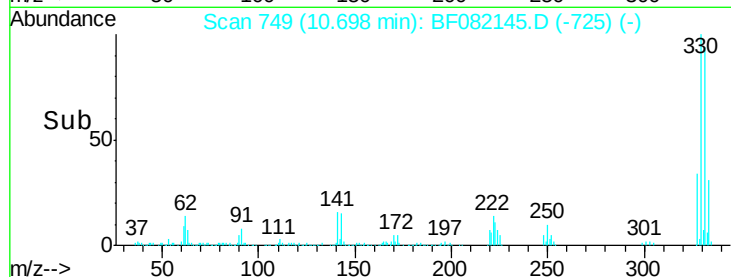
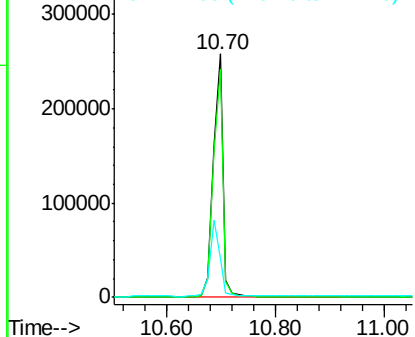
#41  
 2,4,6-Tribromophenol  
 Concen: 157.29 ng  
 RT: 10.70 min Scan# 749  
 Delta R.T. -0.02 min  
 Lab File: BF082145.D  
 Acq: 9 Oct 2015 15:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC100215-L

Tgt Ion:330 Resp: 326717  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 76.6 114.8  
 141 31.5 29.7 44.5

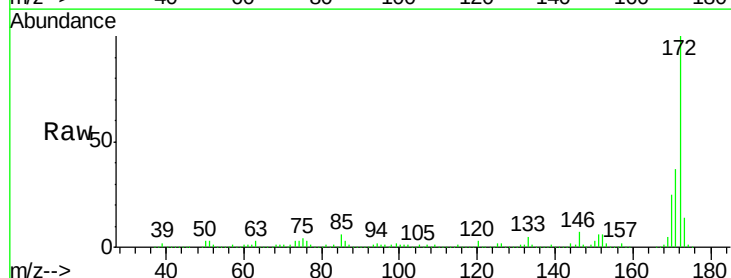


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

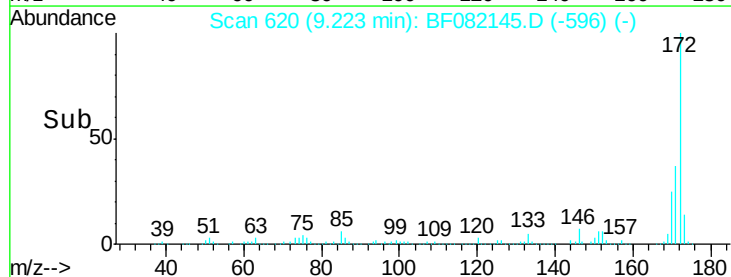
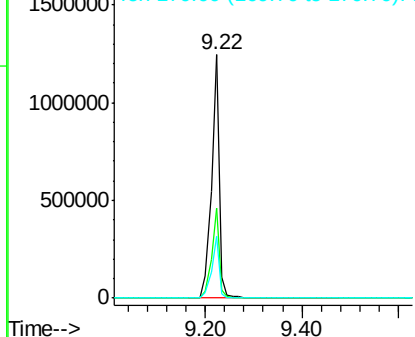


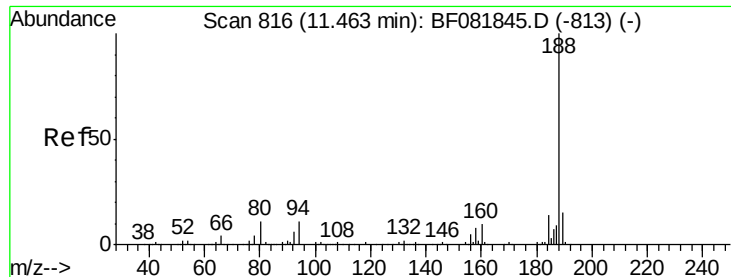
#44  
 2-Fluorobiphenyl  
 Concen: 128.78 ng  
 RT: 9.22 min Scan# 620  
 Delta R.T. -0.02 min  
 Lab File: BF082145.D  
 Acq: 9 Oct 2015 15:02

Tgt Ion:172 Resp: 1424075  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 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

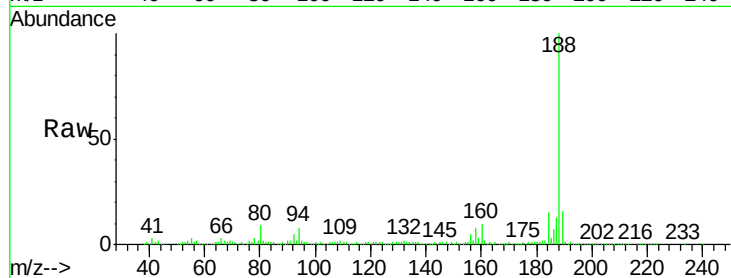




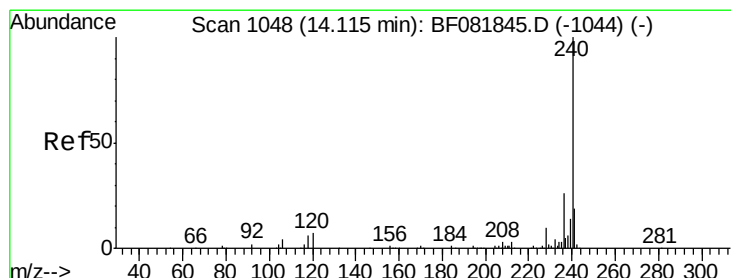
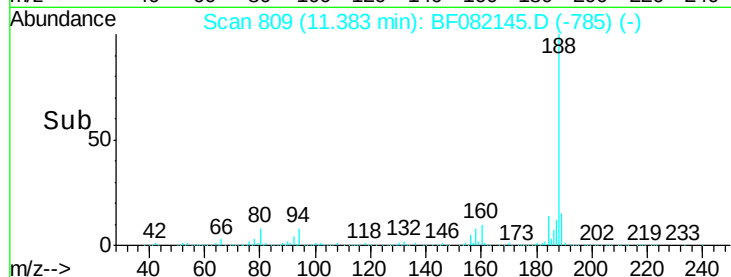
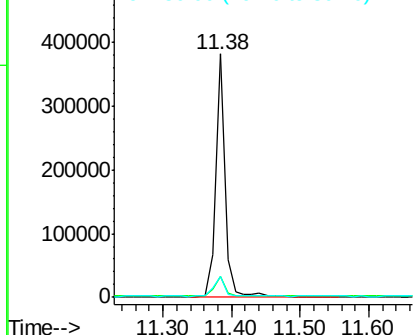
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BF082145.D  
Acq: 9 Oct 2015 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
WC100215-L

Tgt Ion:188 Resp: 372080  
Ion Ratio Lower Upper  
188 100  
94 8.4 11.1 16.7#  
80 8.8 11.0 16.4#

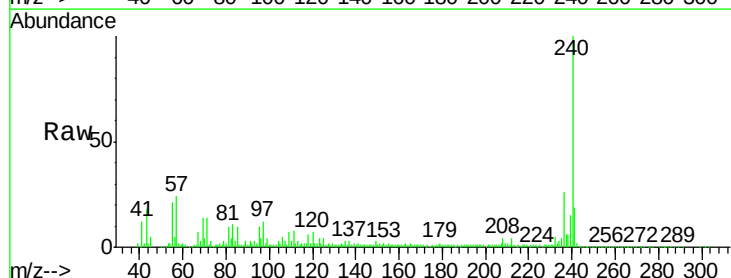


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

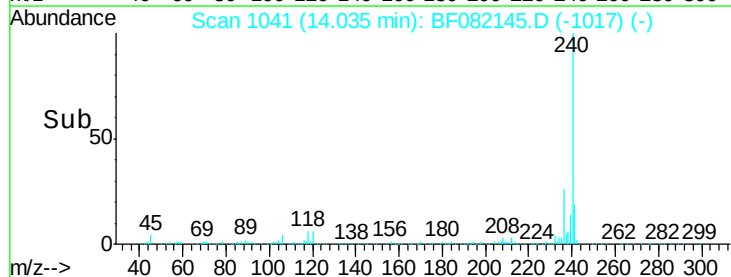
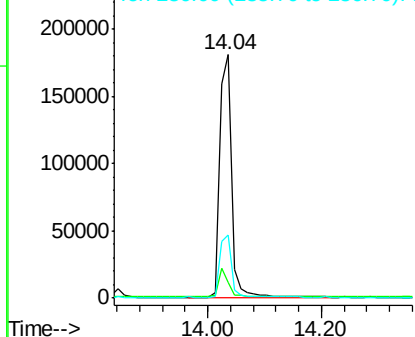


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.04 min Scan# 1041  
Delta R.T. -0.02 min  
Lab File: BF082145.D  
Acq: 9 Oct 2015 15:02

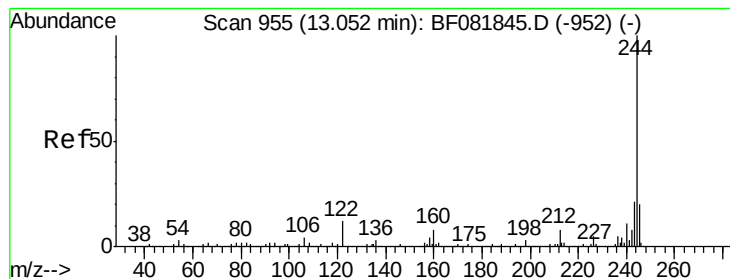
Tgt Ion:240 Resp: 263729  
Ion Ratio Lower Upper  
240 100  
120 6.7 16.2 24.2#  
236 25.8 18.4 27.6



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: -20.00 ng

RT: 12.98 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

Instrument :

BNA\_F

ClientSampleId :

WC100215-L

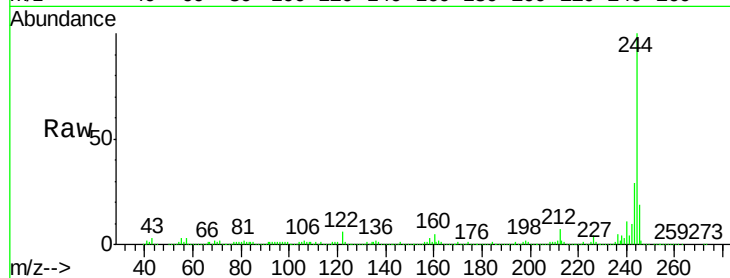
Tgt Ion:244 Resp: 1177151

Ion Ratio Lower Upper

244 100

212 6.8 4.3 6.5#

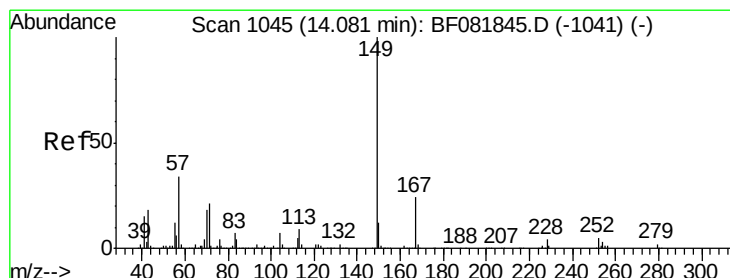
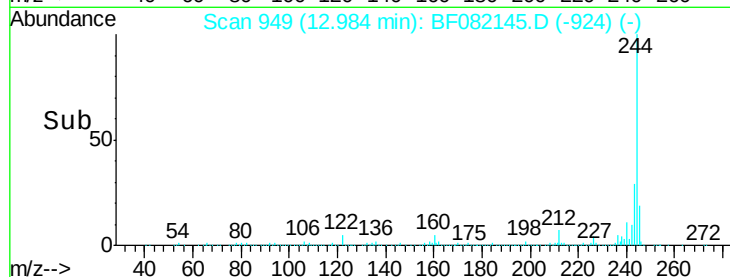
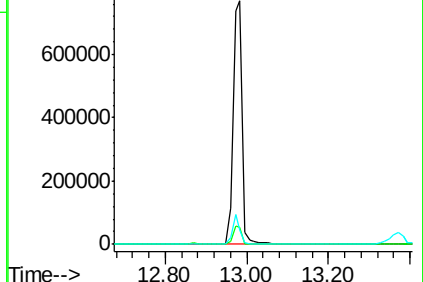
122 5.7 17.4 26.2#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 17.88 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF082145.D

Acq: 9 Oct 2015 15:02

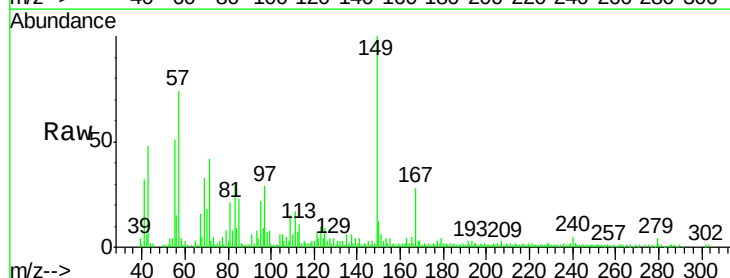
Tgt Ion:149 Resp: 132948

Ion Ratio Lower Upper

149 100

167 28.1 24.2 36.2

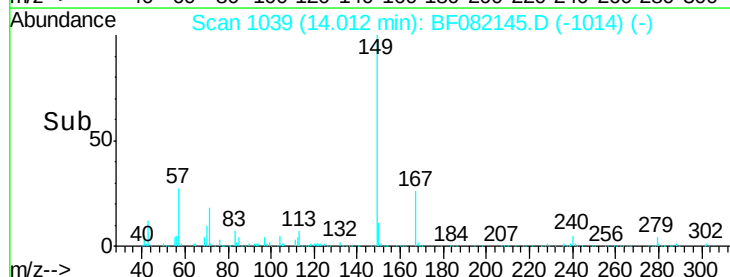
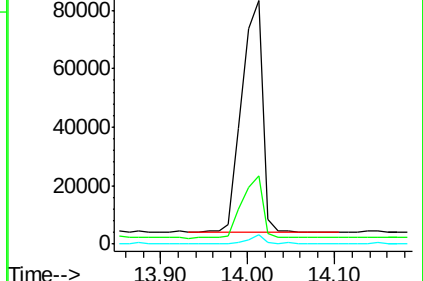
279 3.9 3.8 5.6

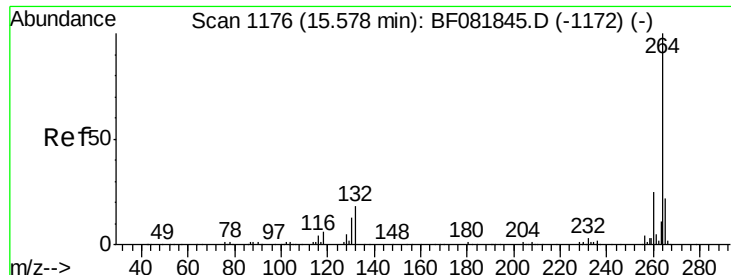


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

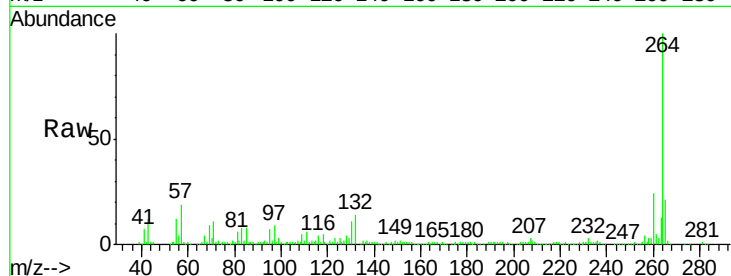




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.48 min Scan# 1167  
Delta R.T. -0.02 min  
Lab File: BF082145.D  
Acq: 9 Oct 2015 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
WC100215-L

Tgt Ion: 264 Resp: 229091  
Ion Ratio Lower Upper  
264 100  
260 23.9 16.7 25.1  
265 21.1 17.2 25.8



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

