

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
 Data File : BF081717.D  
 Acq On : 21 Sep 2015 16:38  
 Operator : UM/IZ  
 Sample : G3717-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-3-9-16-15

Quant Time: Sep 22 01:02:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 14:03:59 2015  
 Response via : Initial Calibration

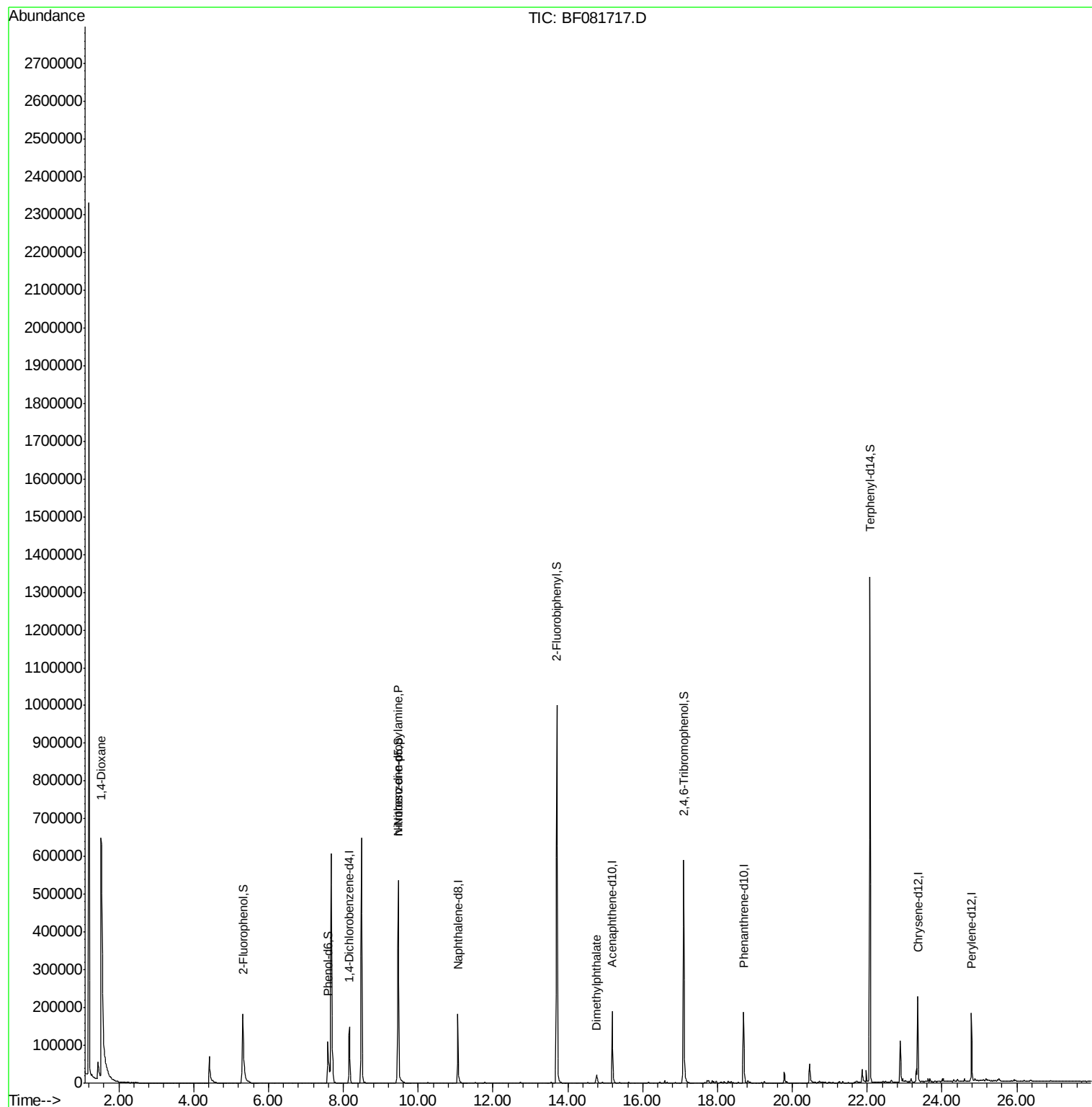
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.16  | 152  | 42301    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8             | 11.05 | 136  | 160689   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10           | 15.19 | 164  | 76237    | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10           | 18.70 | 188  | 151927   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12               | 23.35 | 240  | 125431   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.78 | 264  | 88193    | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 124911   | 45.81  | ng    | -0.03    |
| 7) Phenol-d6                   | 7.59  | 99   | 106406   | 29.48  | ng    | -0.06    |
| 23) Nitrobenzene-d5            | 9.46  | 82   | 328215   | 98.55  | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol       | 17.10 | 330  | 110297   | 162.48 | ng    | -0.07    |
| 44) 2-Fluorobiphenyl           | 13.71 | 172  | 602748   | 101.32 | ng    | -0.07    |
| 78) Terphenyl-d14              | 22.07 | 244  | 581200   | 107.86 | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.53  | 88   | 42857    | 35.00  | ng    | # 11     |
| 19) n-Nitroso-di-n-propylamine | 9.46  | 70   | 41608    | 16.94  | ng    | # 65     |
| 49) Dimethylphthalate          | 14.77 | 163  | 23494    | 3.97   | ng    | # 92     |

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

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QLast Update : Tue Sep 15 14:03:59 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 619

Delta R.T. -0.06 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

Instrument :

BNA\_F

ClientSampleId :

PZ-3-9-16-15

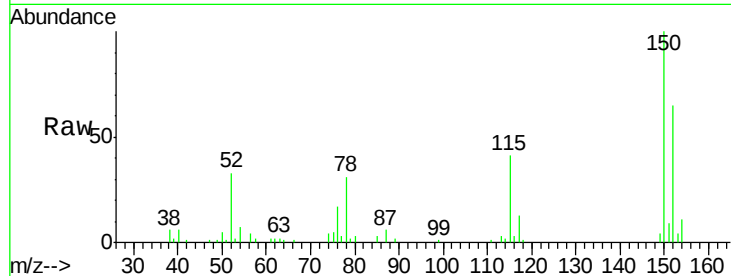
Tgt Ion:152 Resp: 42301

Ion Ratio Lower Upper

152 100

150 154.8 124.7 187.1

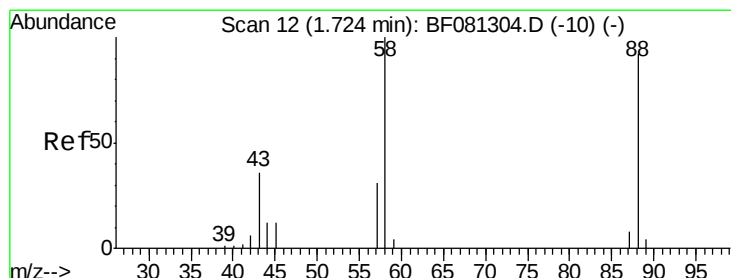
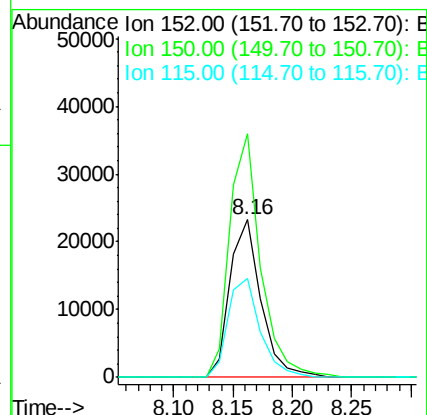
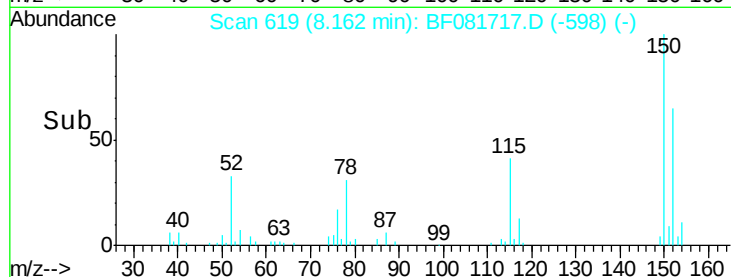
115 62.9 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 35.00 ng

RT: 1.53 min Scan# 39

Delta R.T. -0.03 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

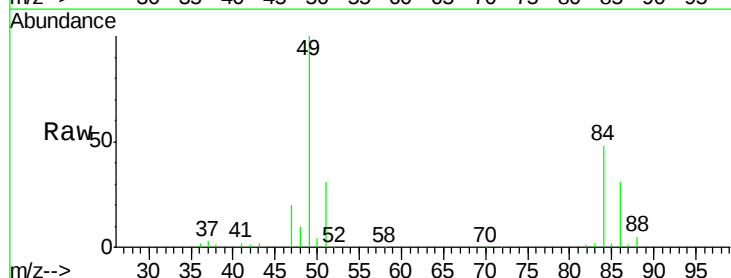
Tgt Ion: 88 Resp: 42857

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

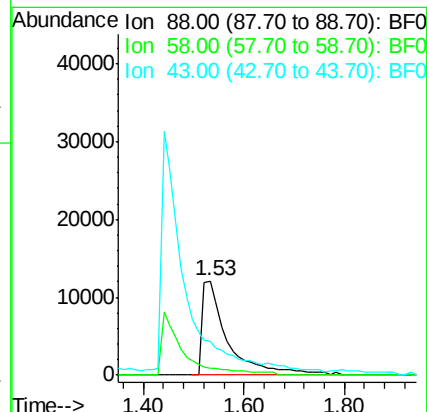
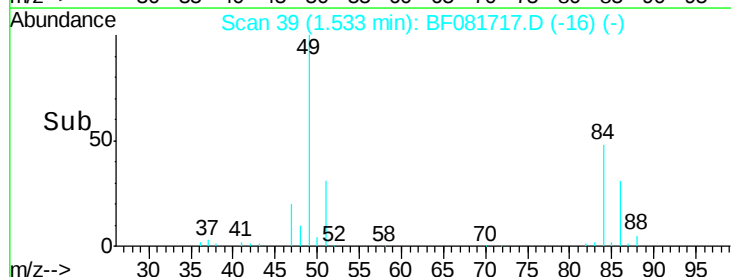
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 45.81 ng

RT: 5.32 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

Instrument :

BNA\_F

ClientSampleId :

PZ-3-9-16-15

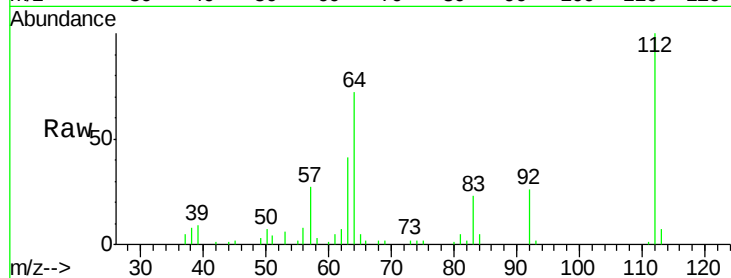
Tgt Ion: 112 Resp: 124911

Ion Ratio Lower Upper

112 100

64 72.0 39.7 59.5#

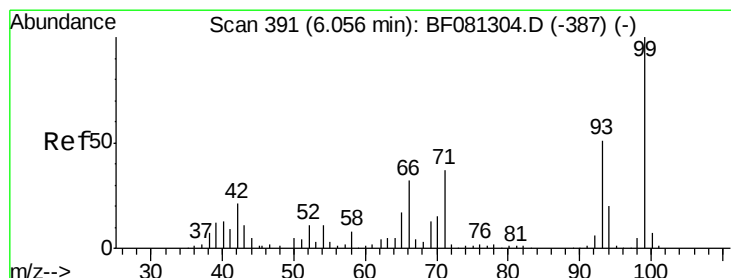
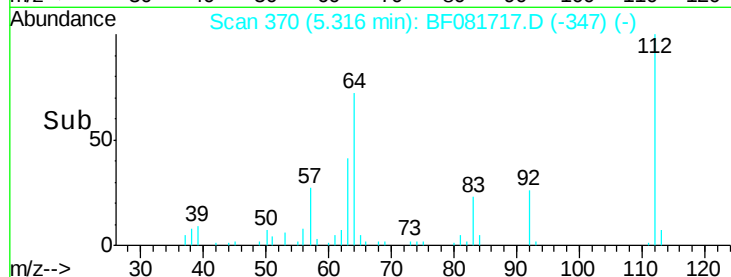
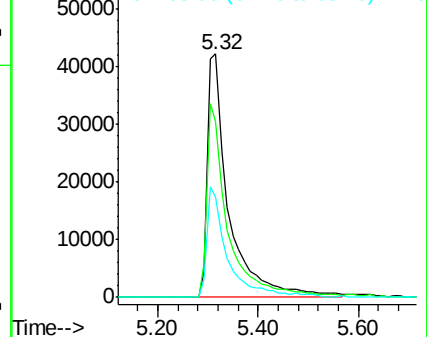
63 41.4 17.4 26.0#



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: 29.48 ng

RT: 7.59 min Scan# 569

Delta R.T. -0.06 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

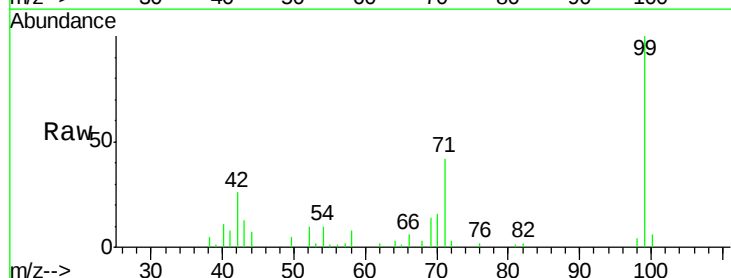
Tgt Ion: 99 Resp: 106406

Ion Ratio Lower Upper

99 100

42 25.9 13.7 20.5#

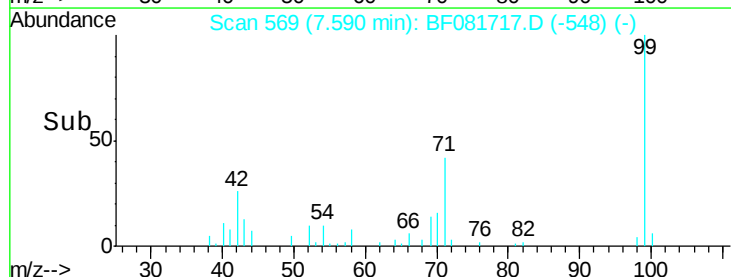
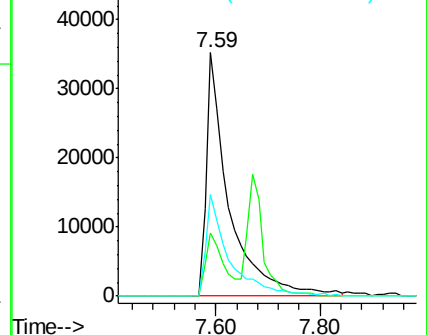
71 41.5 14.2 21.2#

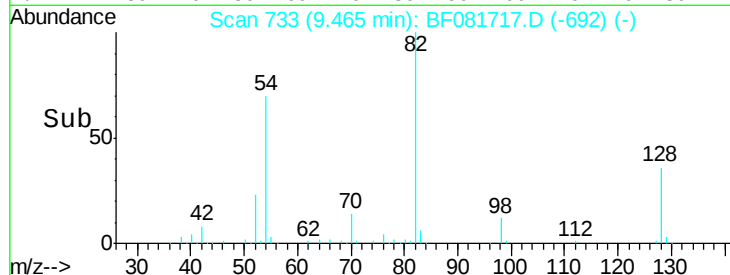
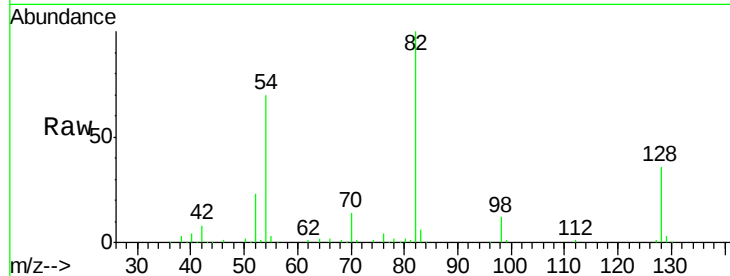
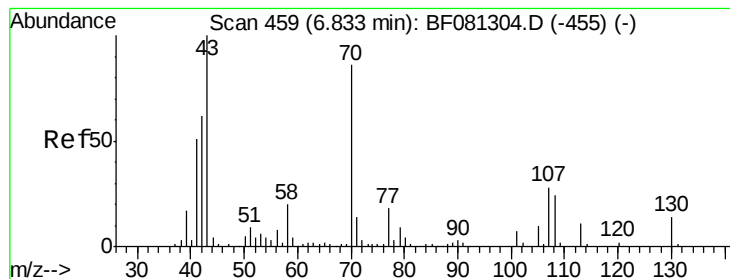


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.94 ng

RT: 9.46 min Scan# 733

Delta R.T. 0.17 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

Instrument :

BNA\_F

ClientSampleId :

PZ-3-9-16-15

Tgt Ion: 70 Resp: 41608

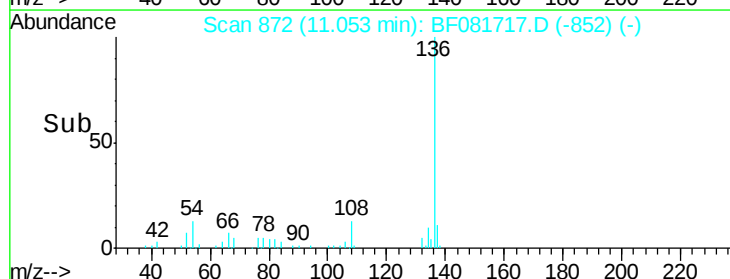
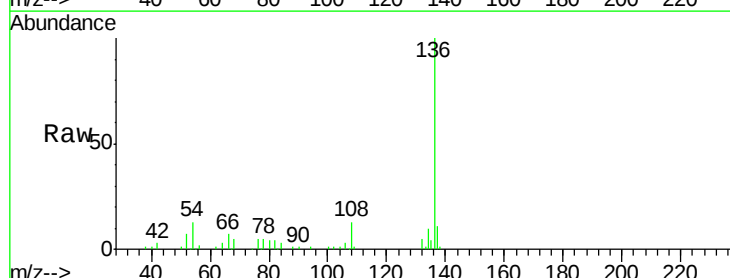
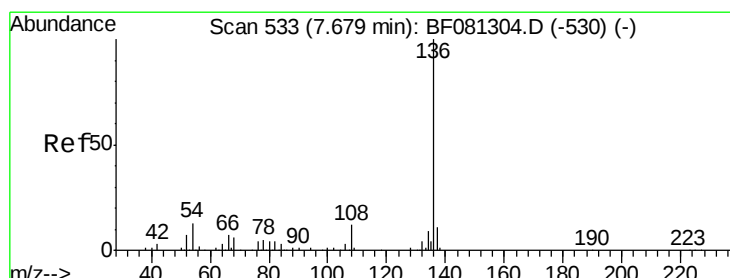
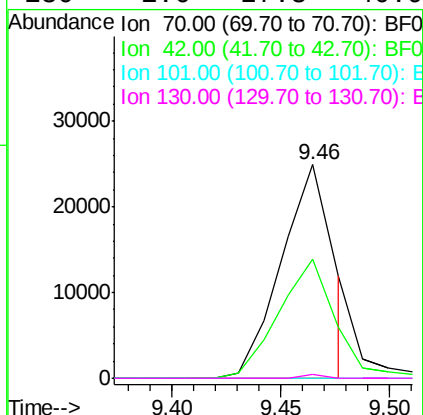
Ion Ratio Lower Upper

70 100

42 55.8 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.05 min Scan# 872

Delta R.T. -0.07 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

Tgt Ion: 136 Resp: 160689

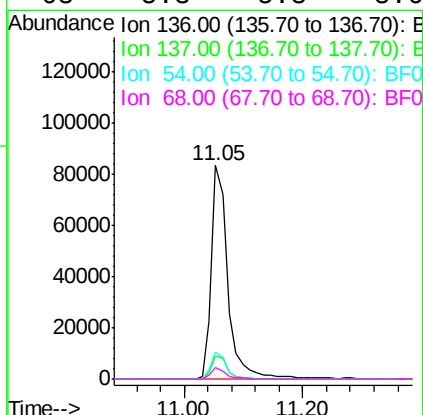
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 12.6 8.2 12.2#

68 5.3 5.8 8.6#

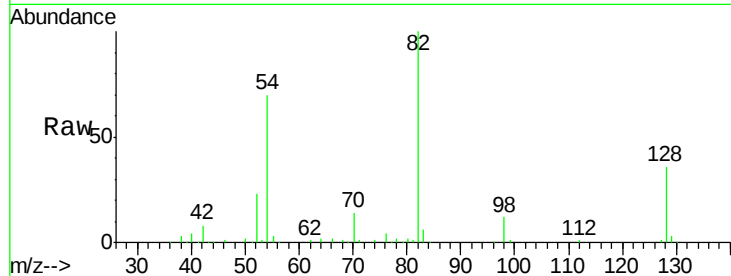




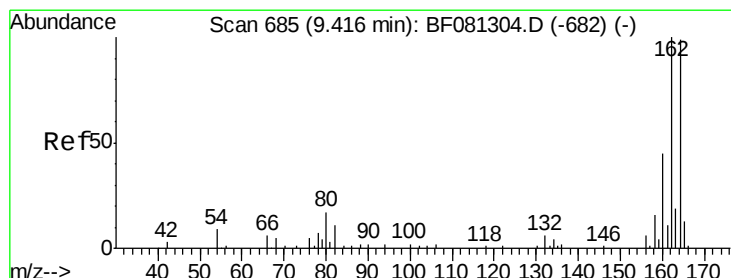
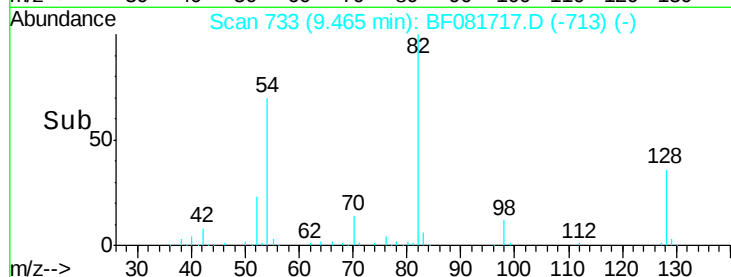
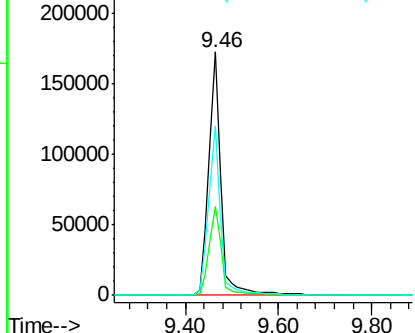
#23  
 Nitrobenzene-d5  
 Concen: 98.55 ng  
 RT: 9.46 min Scan# 733  
 Delta R.T. -0.07 min  
 Lab File: BF081717.D  
 Acq: 21 Sep 2015 16:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-3-9-16-15

Tgt Ion: 82 Resp: 328215  
 Ion Ratio Lower Upper  
 82 100  
 128 36.4 51.0 76.6#  
 54 69.5 47.5 71.3

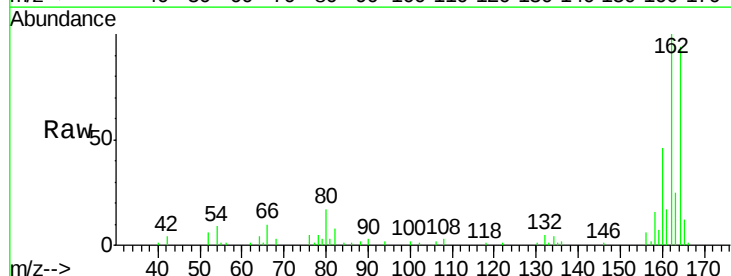


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

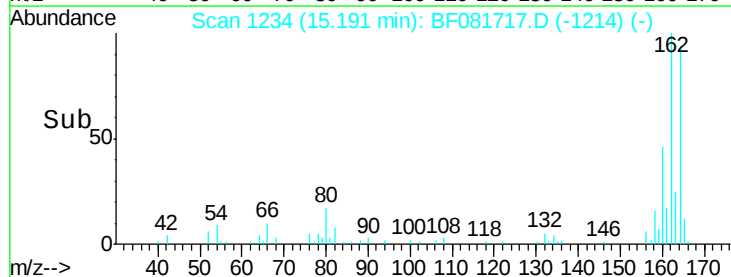
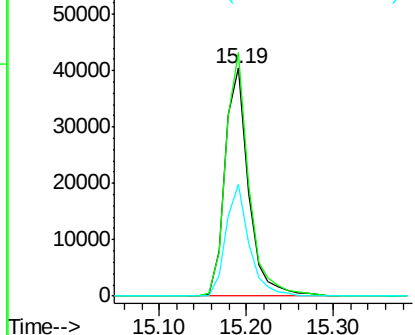


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.19 min Scan# 1234  
 Delta R.T. -0.07 min  
 Lab File: BF081717.D  
 Acq: 21 Sep 2015 16:38

Tgt Ion: 164 Resp: 76237  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 75.2 112.8  
 160 49.3 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

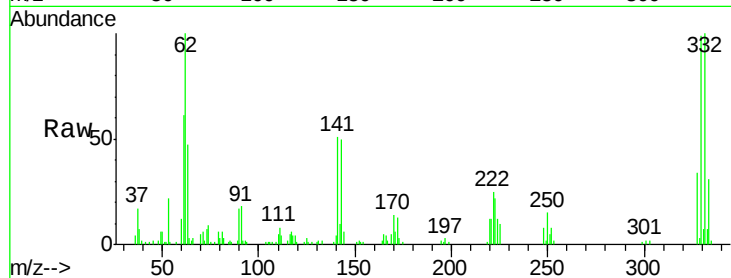




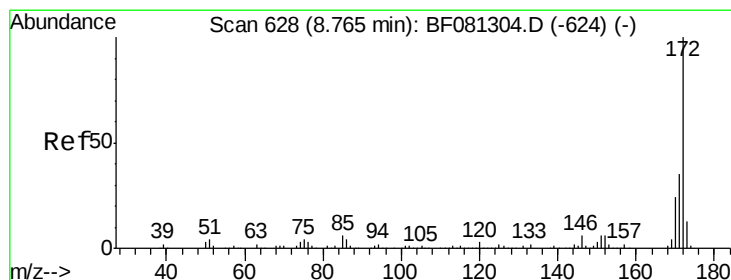
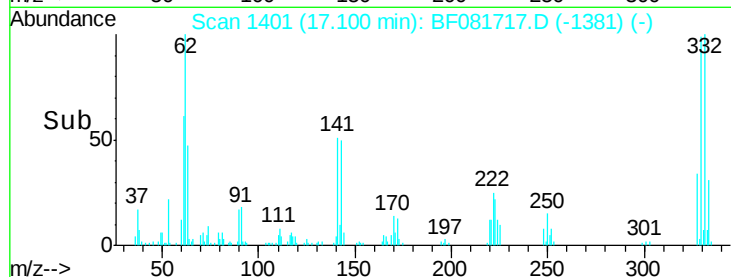
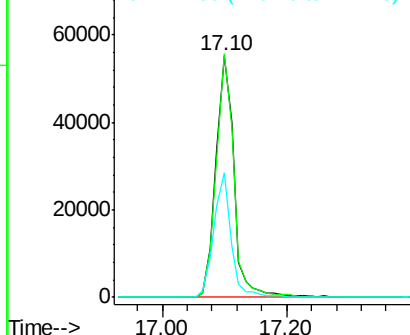
#41  
 2,4,6-Tribromophenol  
 Concen: 162.48 ng  
 RT: 17.10 min Scan# 1401  
 Delta R.T. -0.07 min  
 Lab File: BF081717.D  
 Acq: 21 Sep 2015 16:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-3-9-16-15

Tgt Ion:330 Resp: 110297  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.6 114.8  
 141 49.2 29.7 44.5#

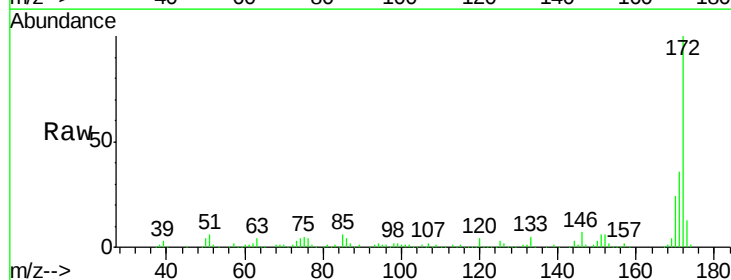


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

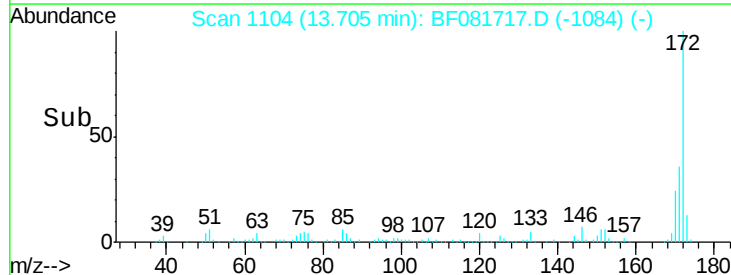
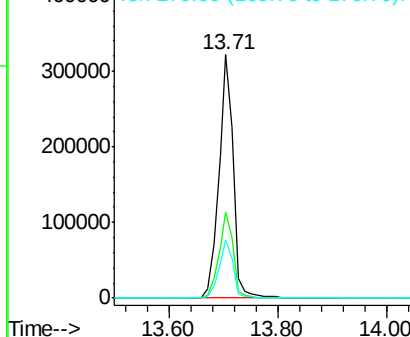


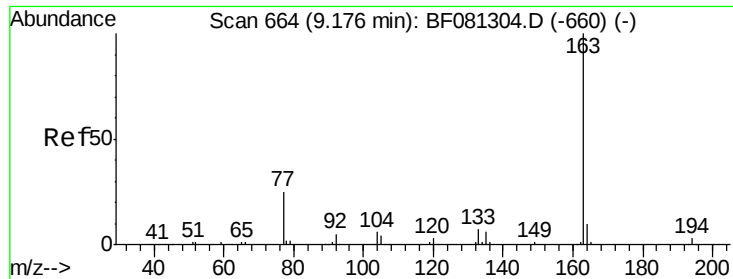
#44  
 2-Fluorobiphenyl  
 Concen: 101.32 ng  
 RT: 13.71 min Scan# 1104  
 Delta R.T. -0.07 min  
 Lab File: BF081717.D  
 Acq: 21 Sep 2015 16:38

Tgt Ion:172 Resp: 602748  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 26.1 39.1  
 170 23.6 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: 3.97 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

Instrument :

BNA\_F

ClientSampleId :

PZ-3-9-16-15

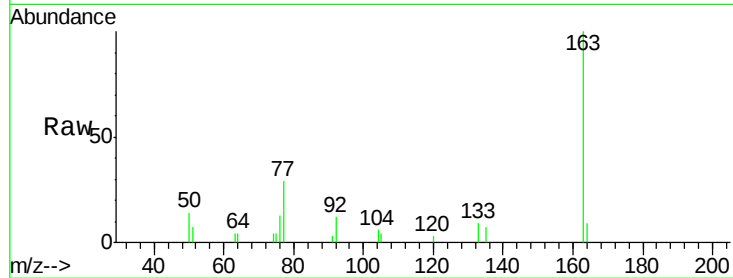
Tgt Ion:163 Resp: 23494

Ion Ratio Lower Upper

163 100

194 0.0 4.4 6.6#

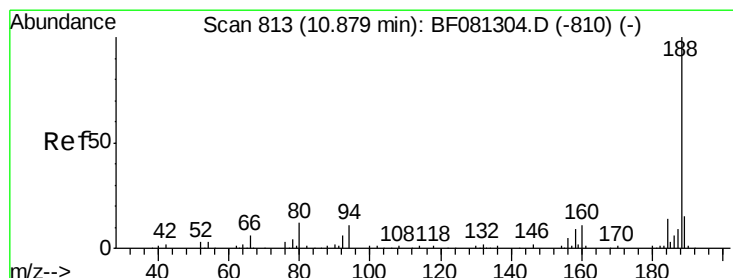
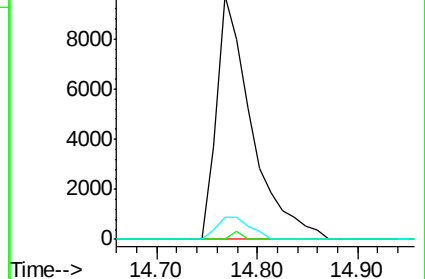
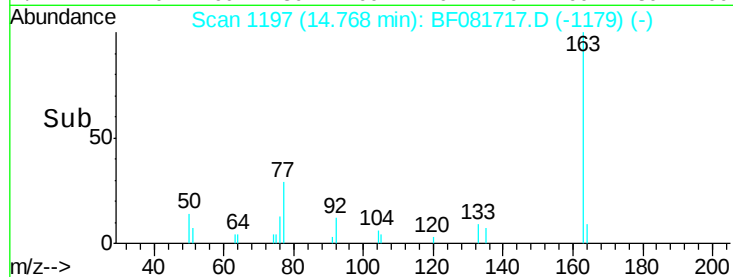
164 9.2 8.3 12.5



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: 18.70 min Scan# 1541

Delta R.T. -0.06 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

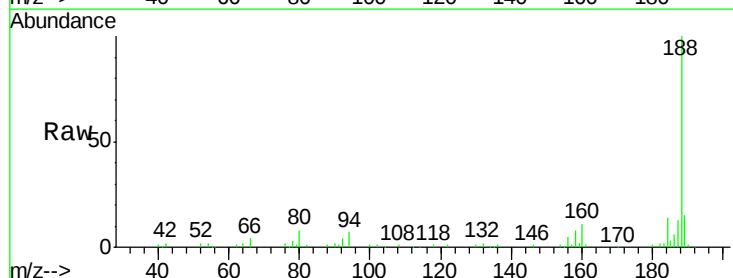
Tgt Ion:188 Resp: 151927

Ion Ratio Lower Upper

188 100

94 7.4 11.1 16.7#

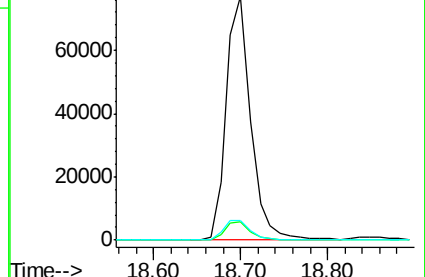
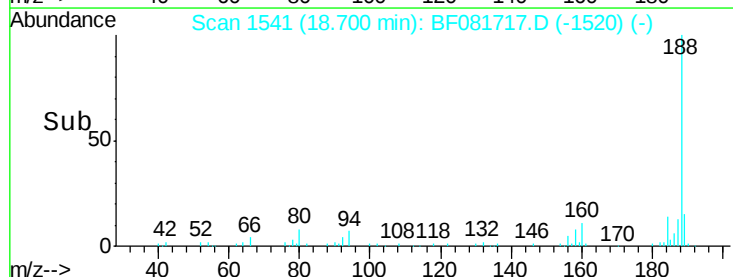
80 7.8 11.0 16.4#

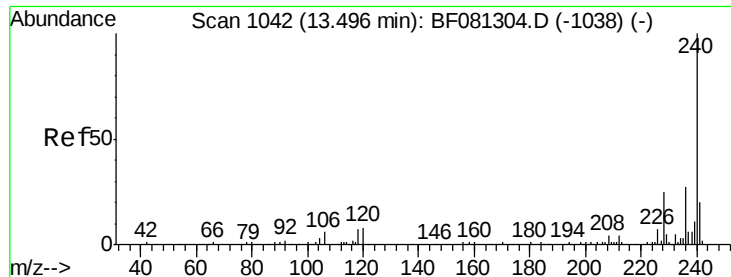


Abundance Ion 188.00 (187.70 to 188.70): E

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: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

Instrument :

BNA\_F

ClientSampleId :

PZ-3-9-16-15

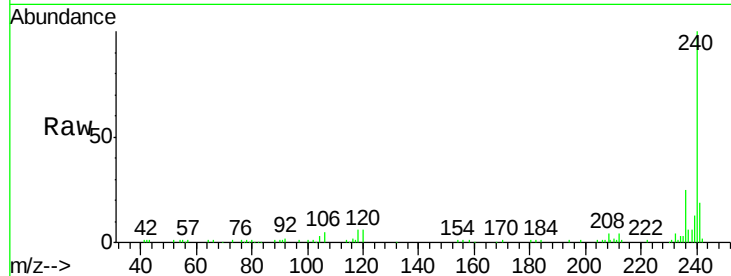
Tgt Ion:240 Resp: 125431

Ion Ratio Lower Upper

240 100

120 5.9 16.2 24.2#

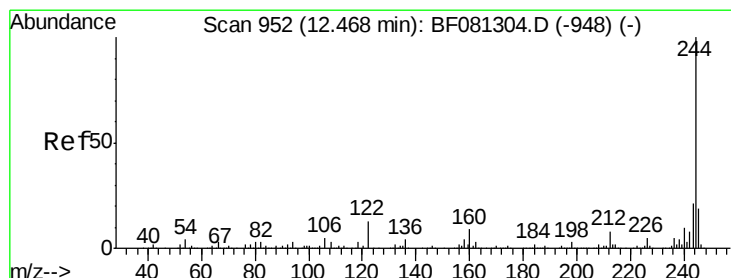
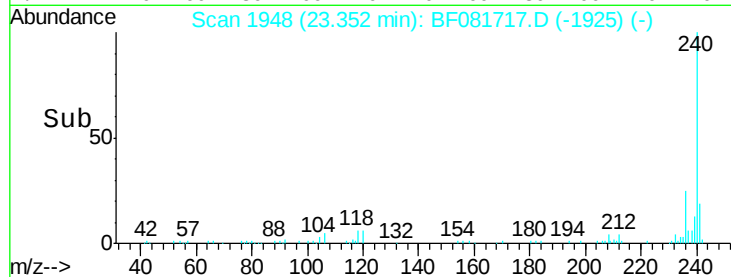
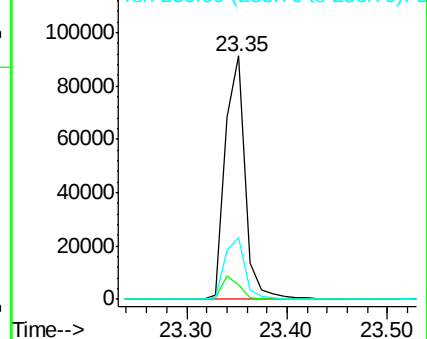
236 25.3 18.4 27.6



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: 107.86 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081717.D

Acq: 21 Sep 2015 16:38

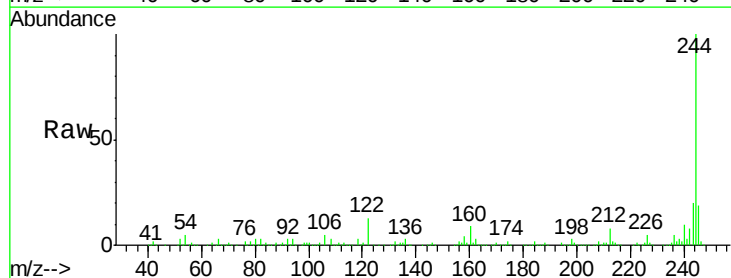
Tgt Ion:244 Resp: 581200

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

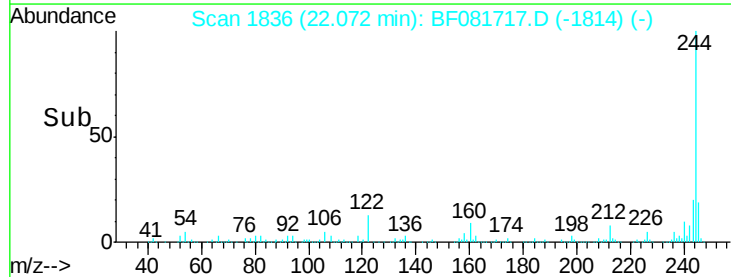
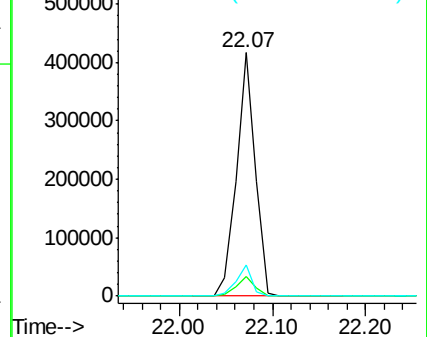
122 12.6 17.4 26.2#

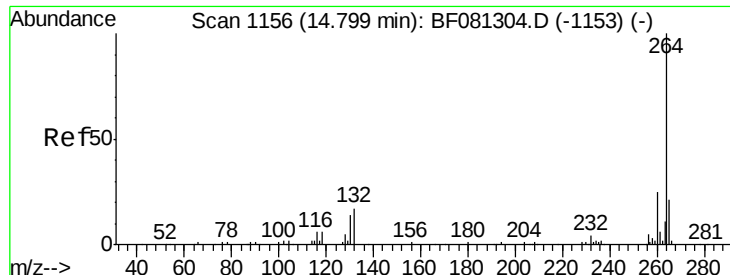


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

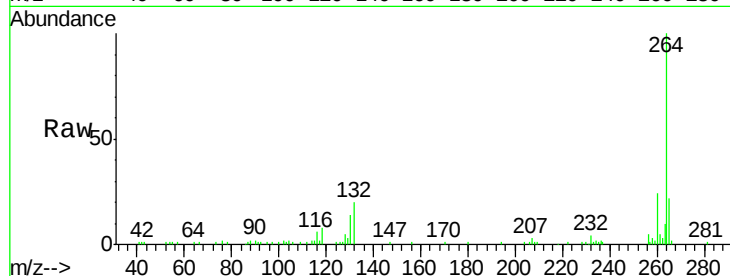




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.78 min Scan# 2073  
Delta R.T. -0.03 min  
Lab File: BF081717.D  
Acq: 21 Sep 2015 16:38

Instrument :  
BNA\_F  
ClientSampleId :  
PZ-3-9-16-15

Tgt Ion: 264 Resp: 88193  
Ion Ratio Lower Upper  
264 100  
260 24.4 16.7 25.1  
265 21.7 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

