

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011317\  
 Data File : BF092274.D  
 Acq On : 14 Jan 2017 10:06  
 Operator : UM/SJ  
 Sample : I1162-02  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-COMP

Quant Time: Jan 16 03:16:56 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 16 01:02:36 2017  
 Response via : Initial Calibration

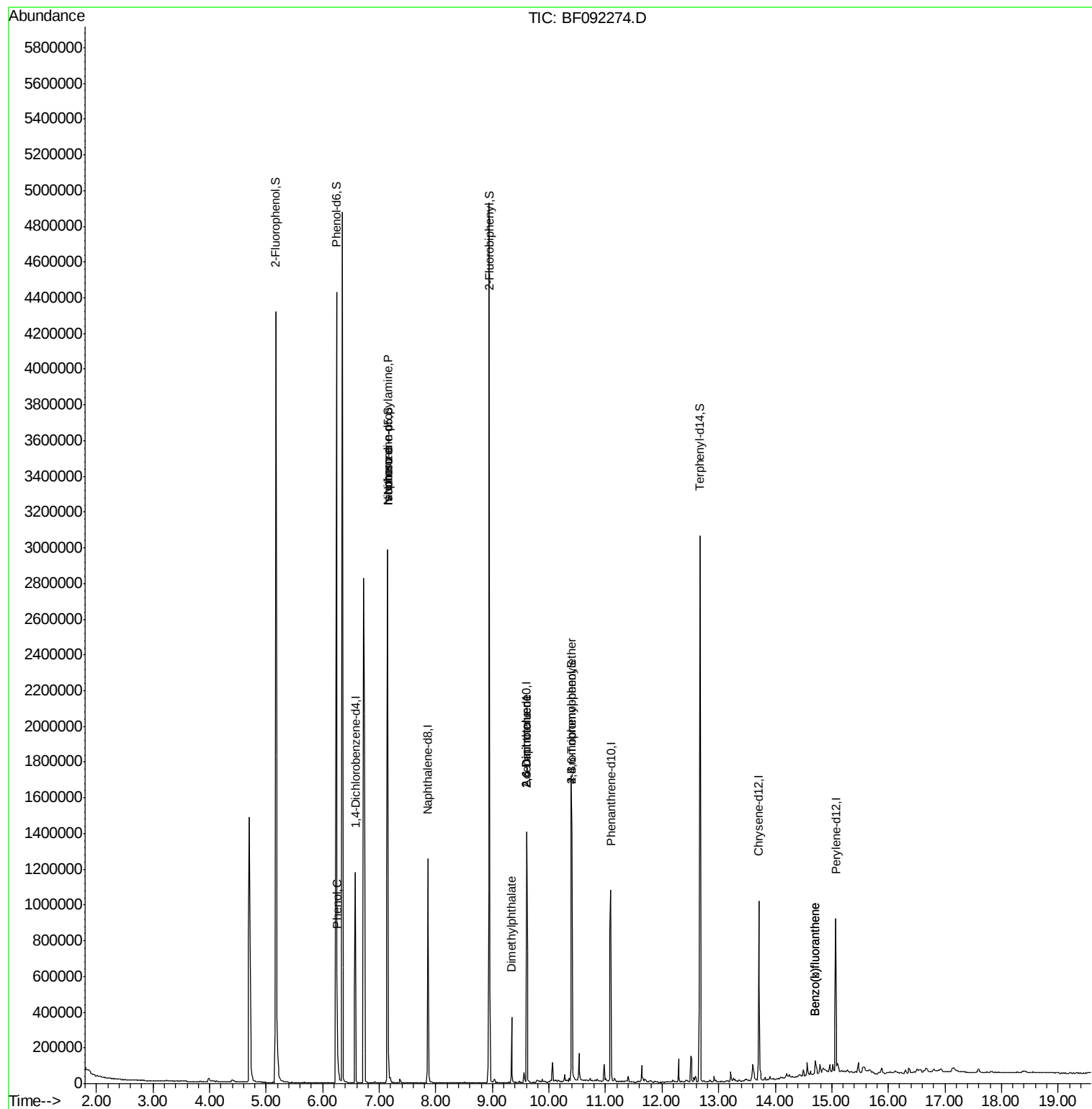
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.58  | 152  | 206183   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.86  | 136  | 808176   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.60  | 164  | 367213   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.09 | 188  | 548466   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.71 | 240  | 389455   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12               | 15.07 | 264  | 353254   | 20.00     | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.17  | 112  | 1460201  | 118.25    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.24  | 99   | 1767112  | 117.21    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.15  | 82   | 1089720  | 74.98     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.40 | 330  | 306997   | 101.02    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.94  | 172  | 1557701  | 87.26     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.67 | 244  | 947128   | 58.98     | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 10) Phenol                     | 6.26  | 94   | 96953    | 5.64      | ng    | # 68     |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70   | 142833   | 14.24     | ng    | # 76     |
| 25) Isophorone                 | 7.15  | 82   | 1084838  | 40.46     | ng    | # 65     |
| 37) 2-Methylnaphthalene        | 8.58  | 142  | 866      | Below Cal | #     | 67       |
| 49) Dimethylphthalate          | 9.34  | 163  | 143184   | 6.10      | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 46923    | 9.13      | ng    | # 31     |
| 56) 2,4-Dinitrotoluene         | 9.60  | 165  | 46923    | 7.27      | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 10.40 | 248  | 19293    | 3.38      | ng    | # 1      |
| 71) Anthracene                 | 11.11 | 178  | 17147    | Below Cal | #     | 98       |
| 73) Di-n-butylphthalate        | 11.66 | 149  | 2756     | Below Cal | #     | 91       |
| 74) Fluoranthene               | 12.29 | 202  | 52653    | Below Cal | #     | 97       |
| 76) Benzidine                  | 12.44 | 184  | 1912     | Below Cal | #     | 65       |
| 87) Benzo(b)fluoranthene       | 14.70 | 252  | 52325    | 2.38      | ng    | # 94     |
| 88) Benzo(k)fluoranthene       | 14.70 | 252  | 52325    | 2.79      | ng    | # 94     |

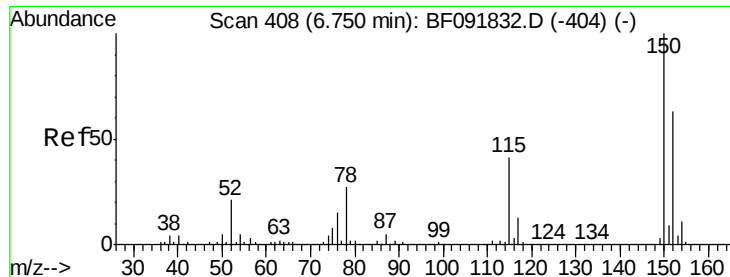
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011317\  
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Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
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SB-03-COMP

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 16 01:02:36 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

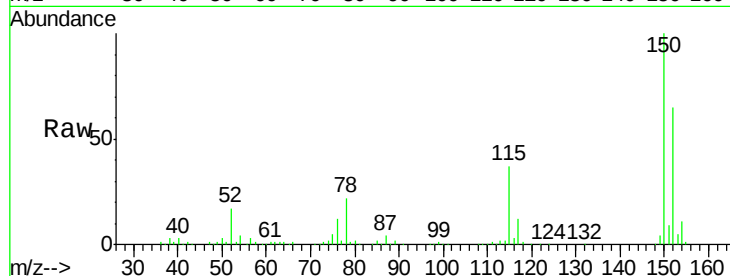
Tgt Ion:152 Resp: 206183

Ion Ratio Lower Upper

152 100

150 153.9 124.9 187.3

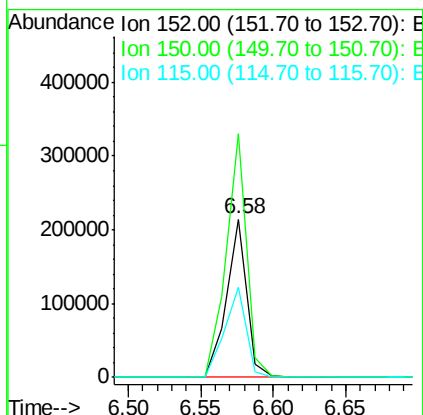
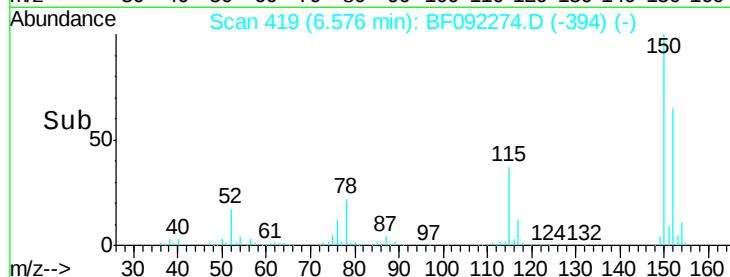
115 56.6 46.0 69.0



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: 118.25 ng

RT: 5.17 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

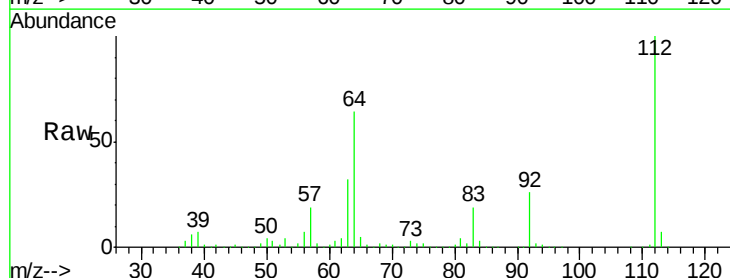
Tgt Ion:112 Resp: 1460201

Ion Ratio Lower Upper

112 100

64 63.8 46.1 69.1

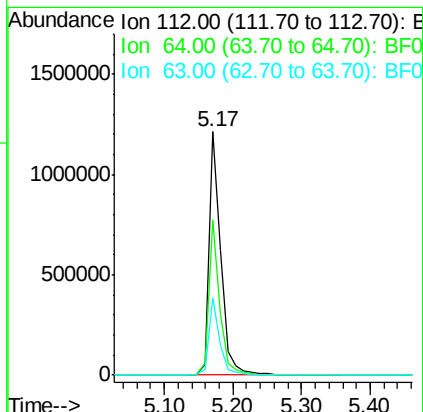
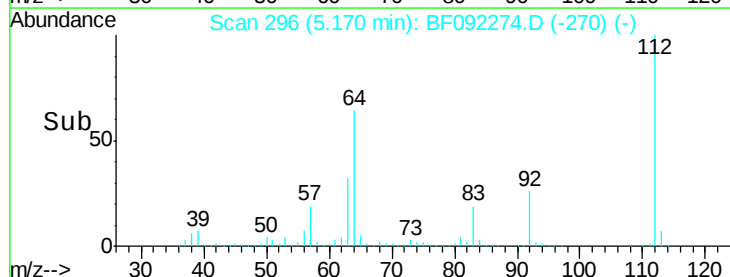
63 31.8 23.8 35.6



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: 117.21 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

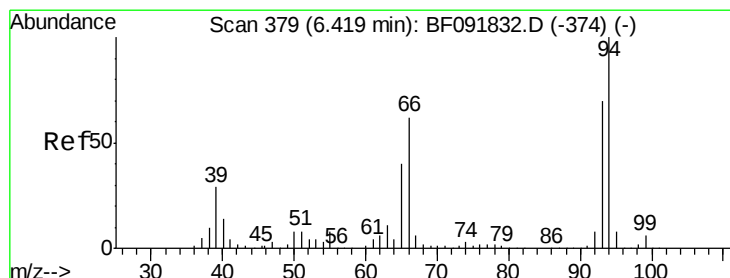
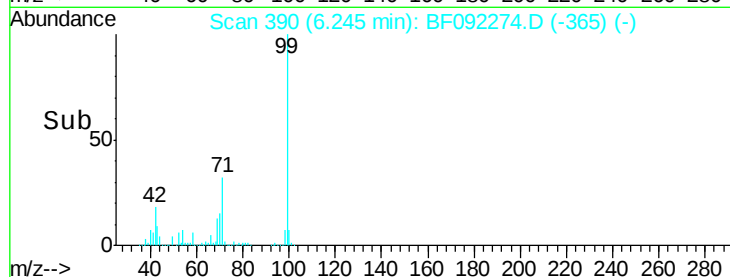
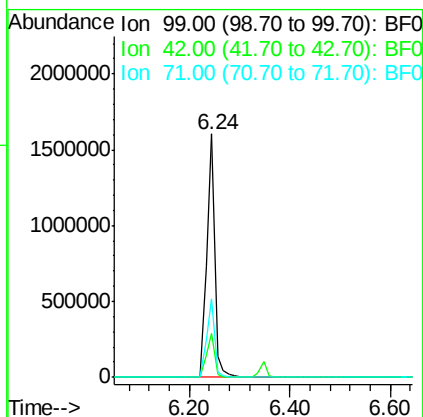
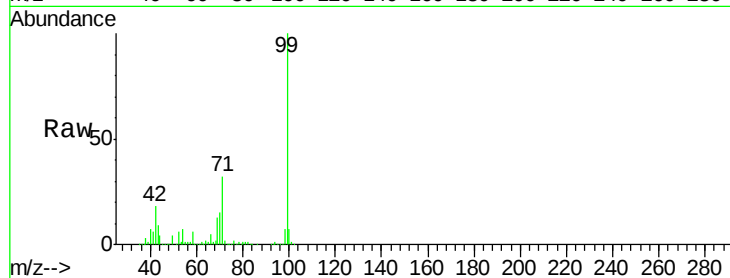
Tgt Ion: 99 Resp: 1767112

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

71 32.3 27.5 41.3



#10

Phenol

Concen: 5.64 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

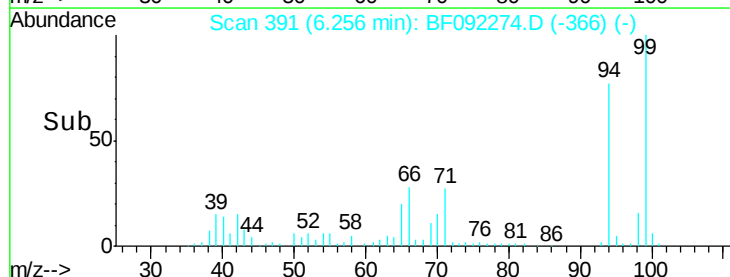
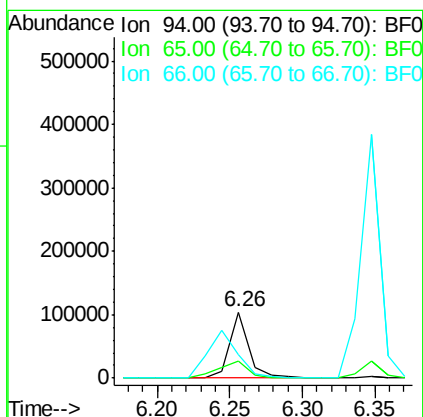
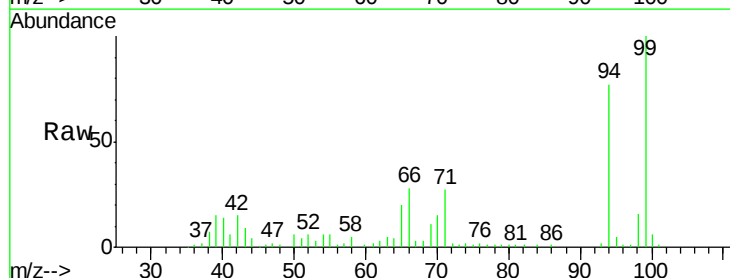
Tgt Ion: 94 Resp: 96953

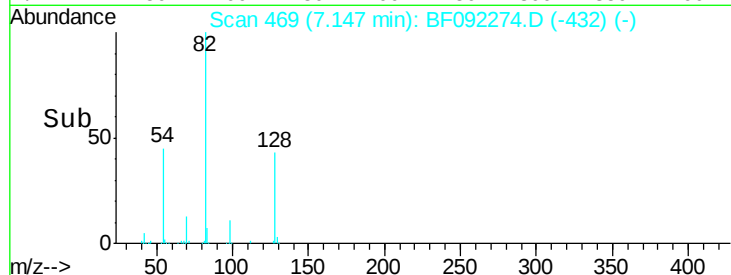
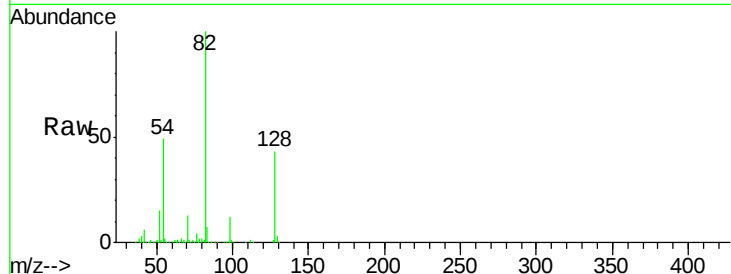
Ion Ratio Lower Upper

94 100

65 25.6 21.4 61.4

66 36.1 44.0 84.0#

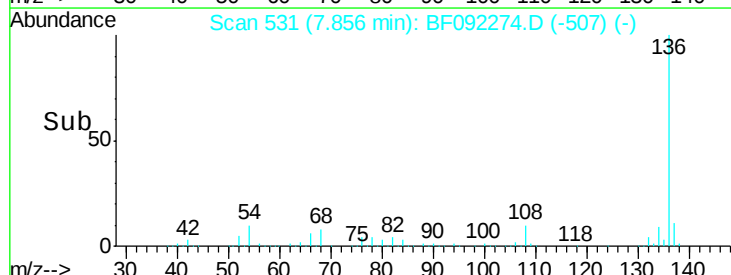
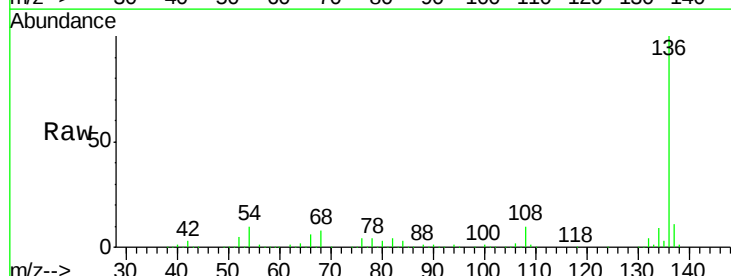
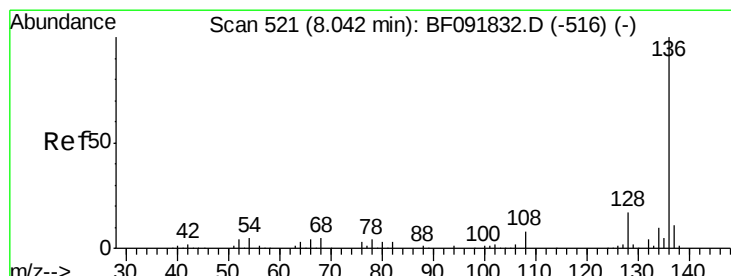
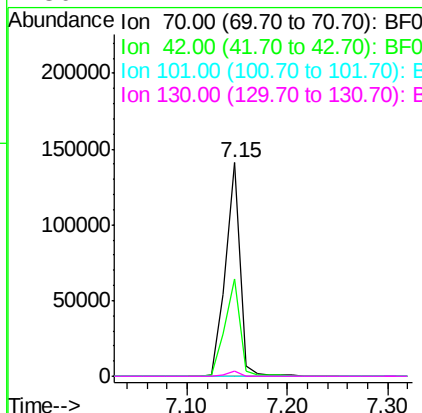




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.24 ng  
RT: 7.15 min Scan# 469  
Delta R.T. 0.13 min  
Lab File: BF092274.D  
Acq: 14 Jan 2017 10:06

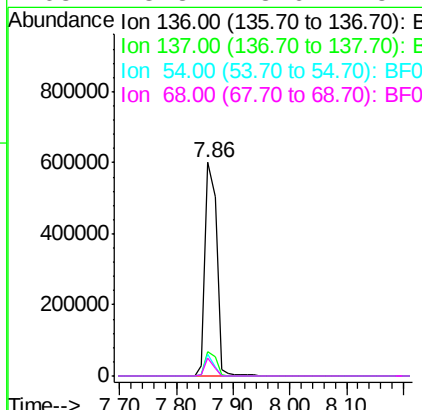
Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-COMP

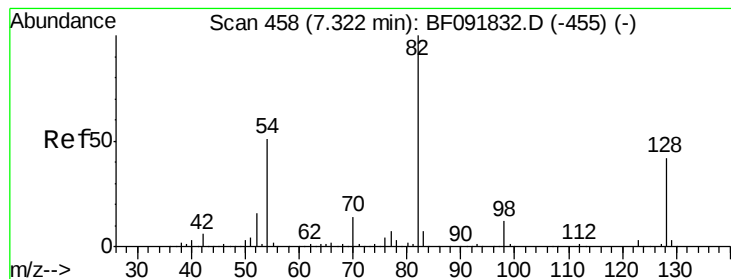
Tgt Ion: 70 Resp: 142833  
Ion Ratio Lower Upper  
70 100  
42 45.8 49.4 74.0#  
101 0.0 7.4 11.2#  
130 2.1 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.86 min Scan# 531  
Delta R.T. -0.02 min  
Lab File: BF092274.D  
Acq: 14 Jan 2017 10:06

Tgt Ion: 136 Resp: 808176  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.4 12.6  
54 9.9 4.5 6.7#  
68 8.3 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 74.98 ng

RT: 7.15 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

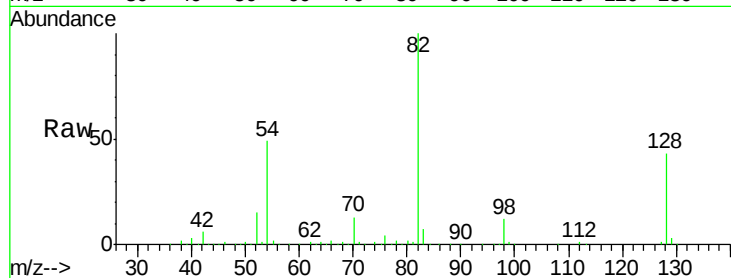
Tgt Ion: 82 Resp: 1089720

Ion Ratio Lower Upper

82 100

128 43.3 34.6 52.0

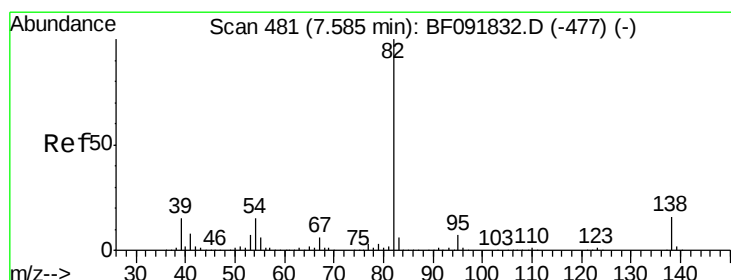
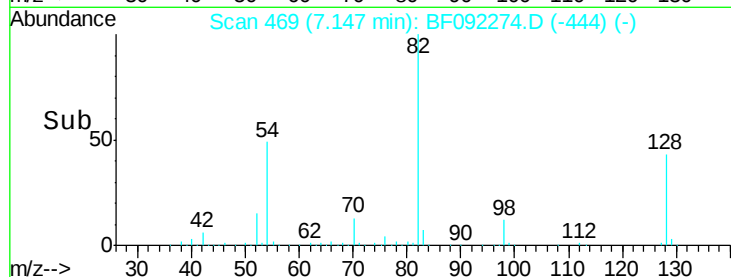
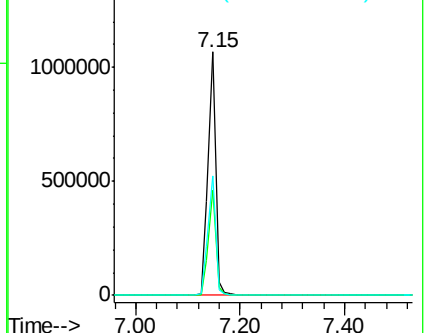
54 49.0 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 40.46 ng

RT: 7.15 min Scan# 469

Delta R.T. -0.27 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

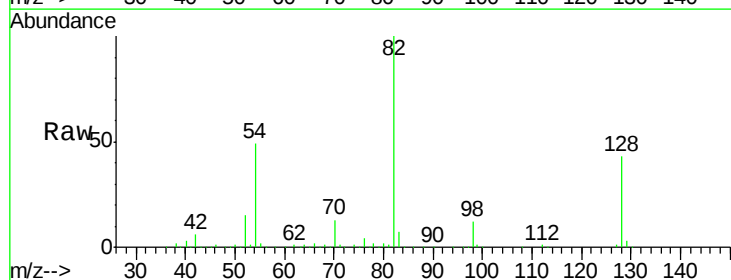
Tgt Ion: 82 Resp: 1084838

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

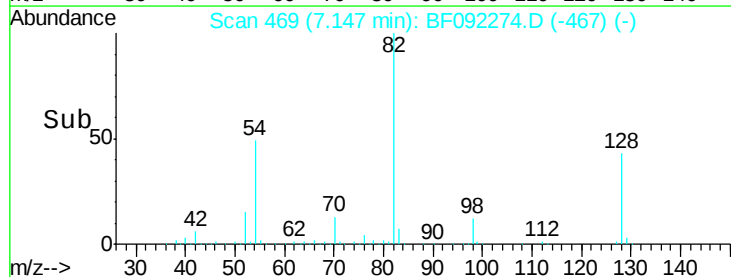
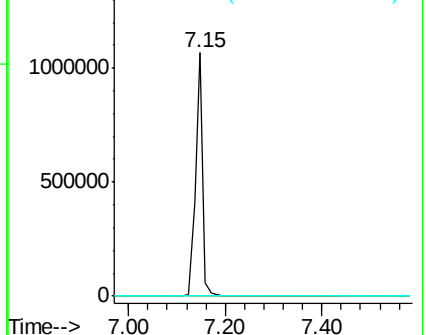
138 0.0 14.6 22.0#

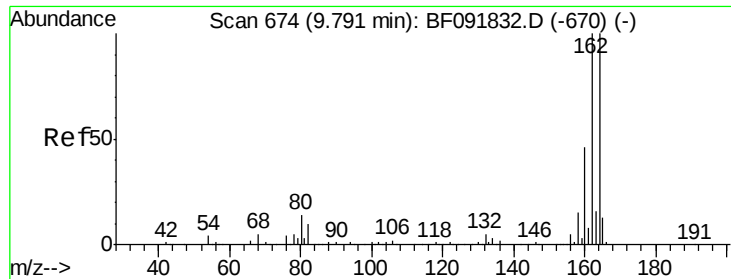


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Instrument :

BNA\_F

ClientSampleId :

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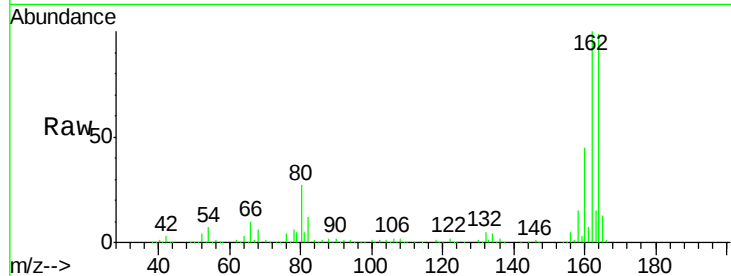
Tgt Ion:164 Resp: 367213

Ion Ratio Lower Upper

164 100

162 101.4 80.2 120.2

160 45.3 36.9 55.3

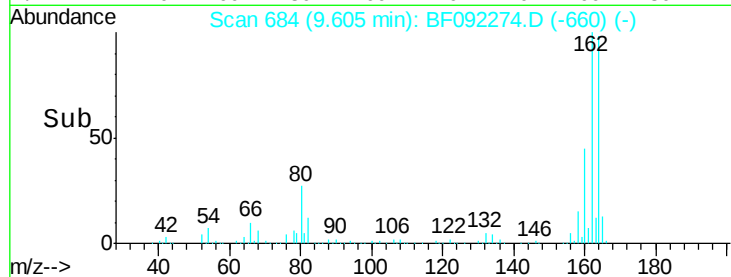


Abundance Ion 164.00 (163.70 to 164.70): E

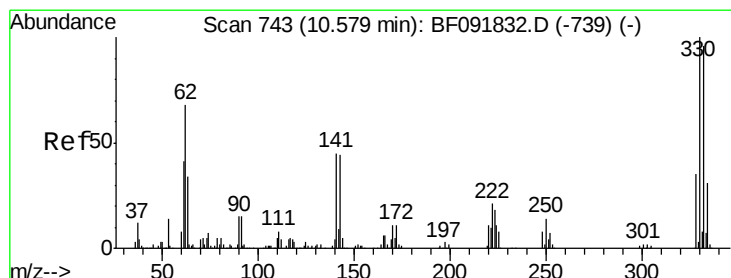
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.60



Time--> 9.50 9.60 9.70



#41

2,4,6-Tribromophenol

Concen: 101.02 ng

RT: 10.40 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

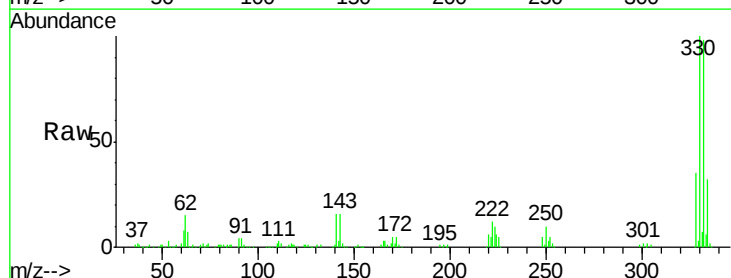
Tgt Ion:330 Resp: 306997

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

141 32.6 34.1 51.1#

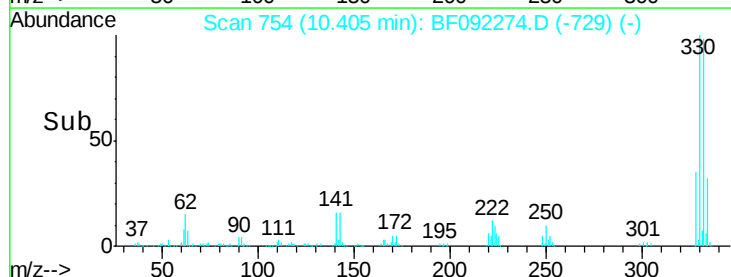


Abundance Ion 329.80 (329.50 to 330.50): E

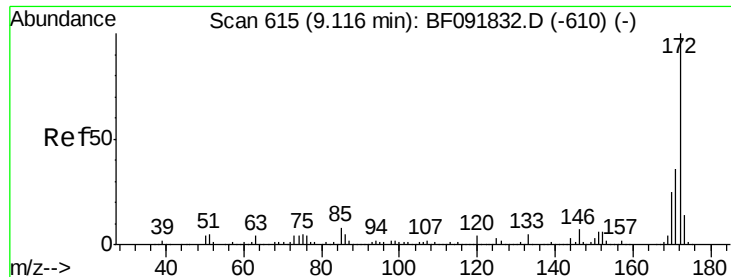
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

10.40



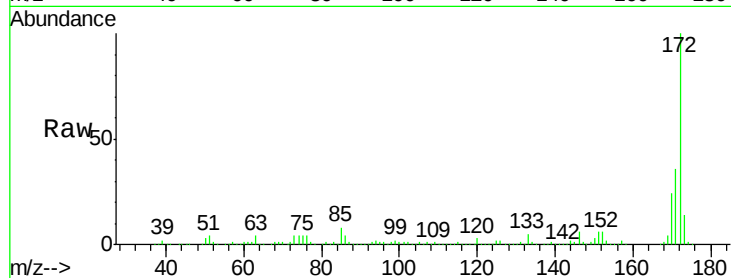
Time--> 10.40 10.60



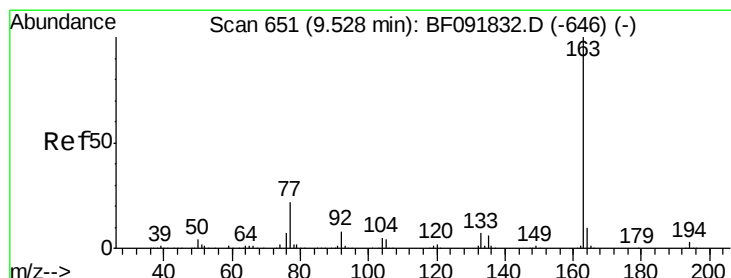
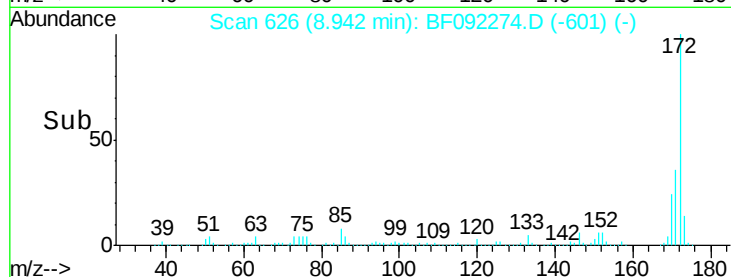
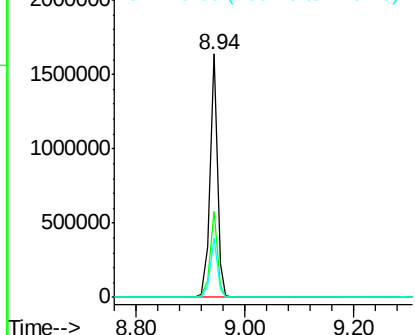
#44  
 2-Fluorobiphenyl  
 Concen: 87.26 ng  
 RT: 8.94 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF092274.D  
 Acq: 14 Jan 2017 10:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:172 Resp: 1557701  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.4 44.0  
 170 24.2 20.2 30.4

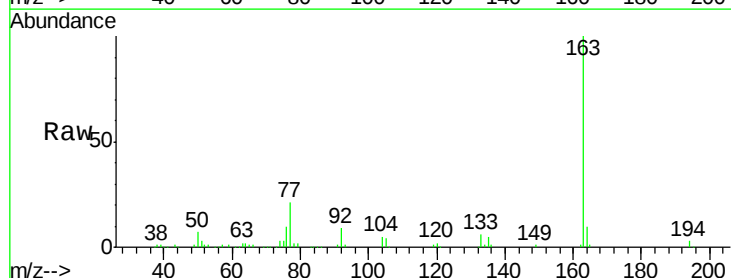


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

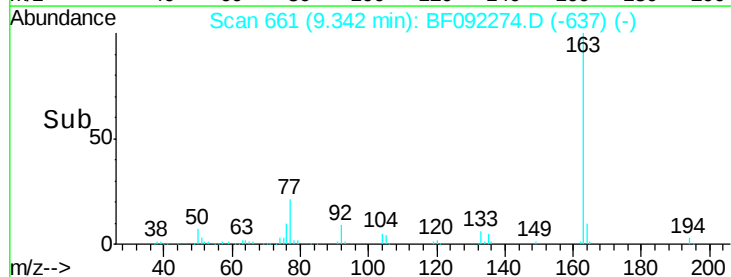
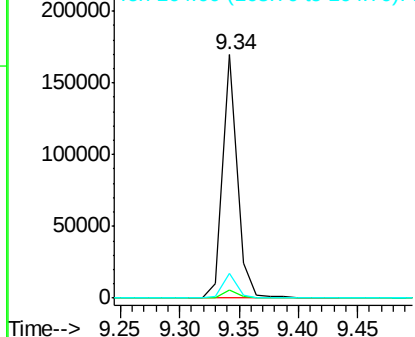


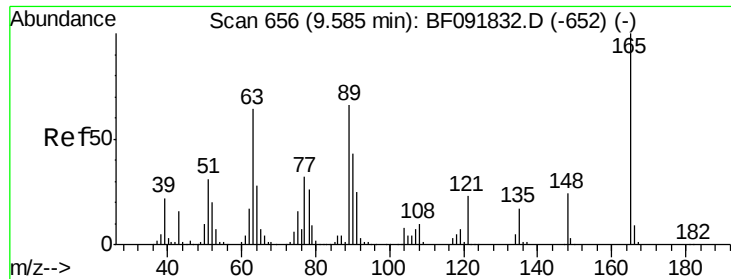
#49  
 Dimethylphthalate  
 Concen: 6.10 ng  
 RT: 9.34 min Scan# 661  
 Delta R.T. -0.02 min  
 Lab File: BF092274.D  
 Acq: 14 Jan 2017 10:06

Tgt Ion:163 Resp: 143184  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 3.0 4.4  
 164 10.3 8.0 12.0



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





#50

2,6-Dinitrotoluene

Concen: 9.13 ng

RT: 9.60 min Scan# 684

Delta R.T. 0.17 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

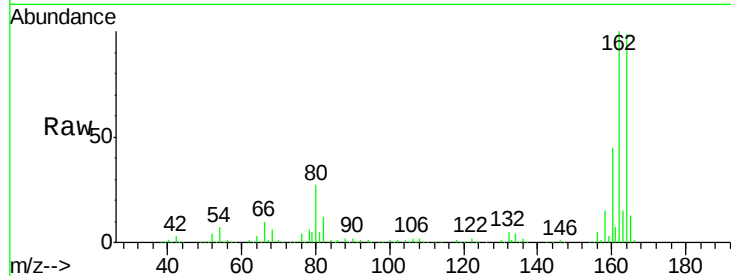
Tgt Ion:165 Resp: 46923

Ion Ratio Lower Upper

165 100

63 1.2 36.2 54.4#

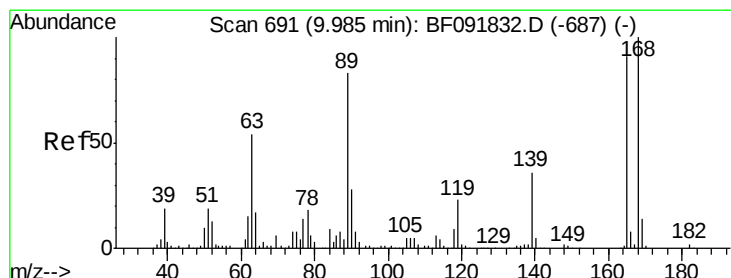
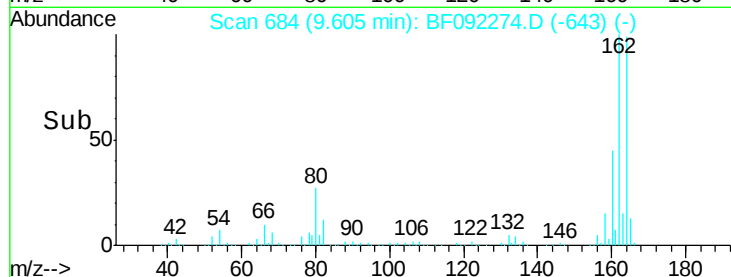
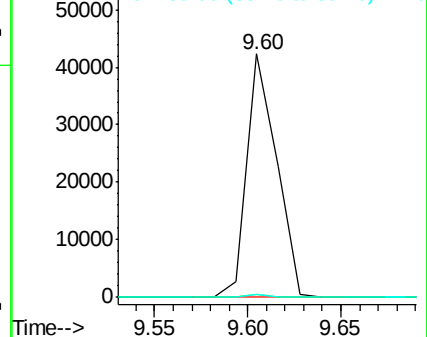
89 1.2 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.27 ng

RT: 9.60 min Scan# 684

Delta R.T. -0.23 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Tgt Ion:165 Resp: 46923

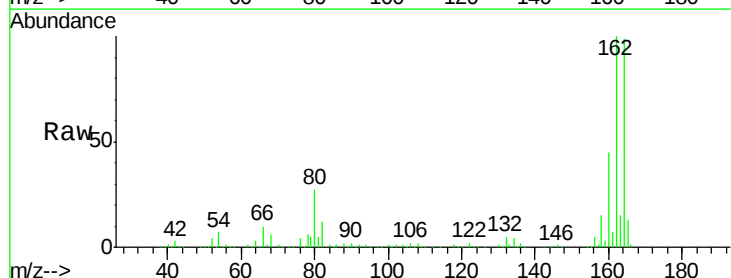
Ion Ratio Lower Upper

165 100

63 1.2 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

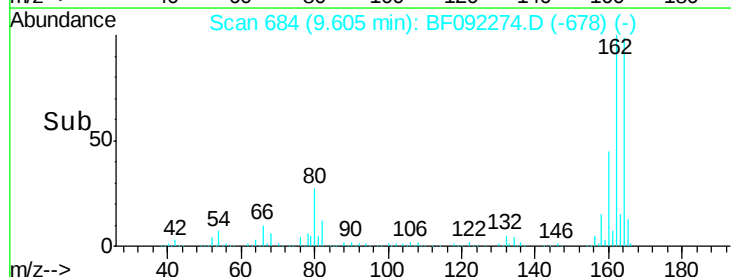
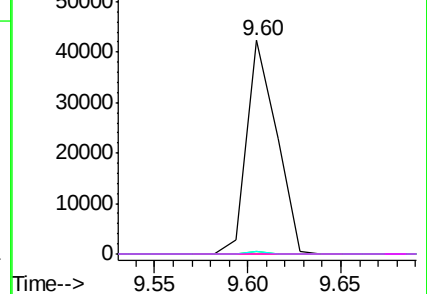


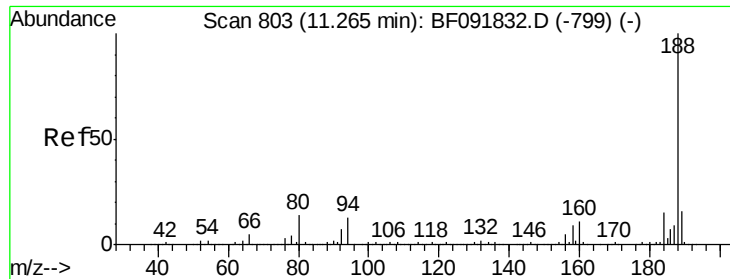
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

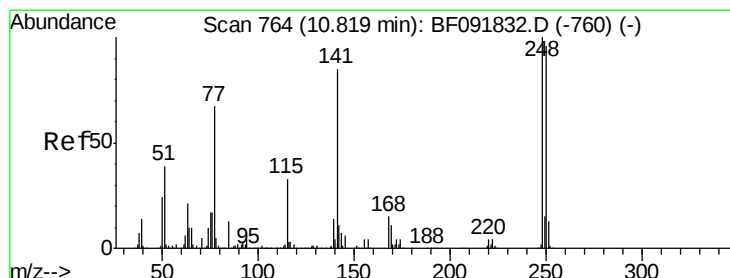
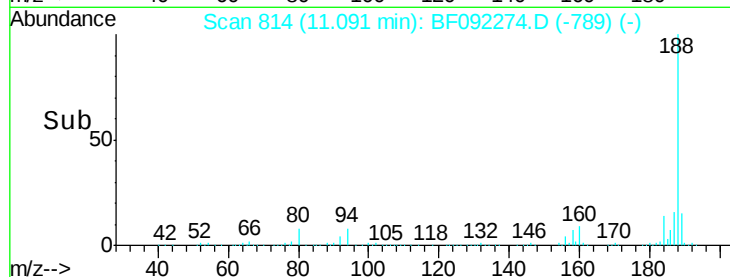
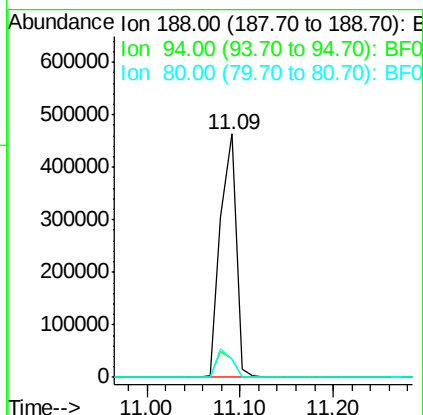
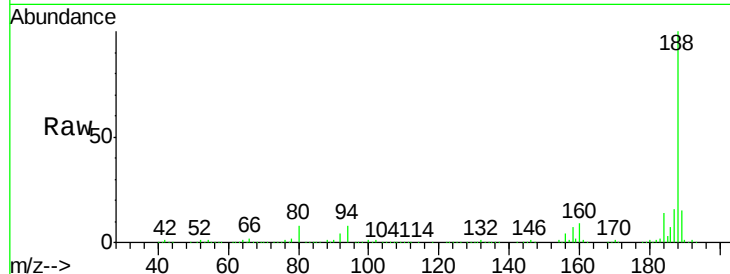




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.09 min Scan# 814  
 Delta R.T. -0.01 min  
 Lab File: BF092274.D  
 Acq: 14 Jan 2017 10:06

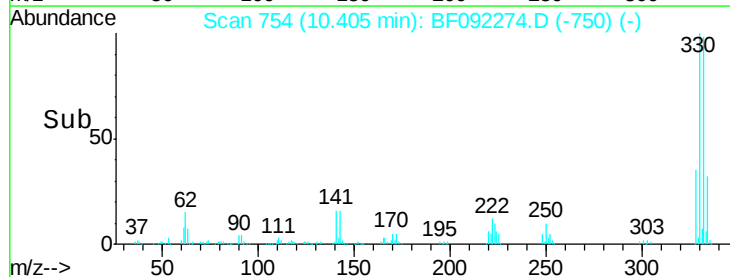
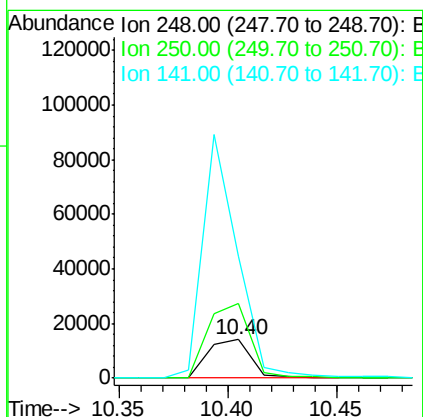
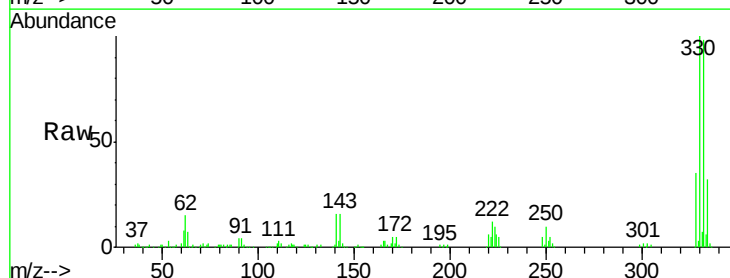
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-COMP

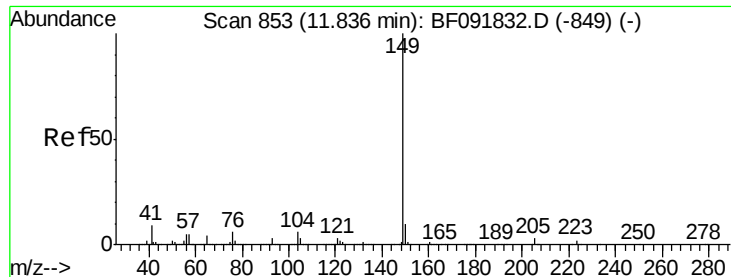
Tgt Ion:188 Resp: 548466  
 Ion Ratio Lower Upper  
 188 100  
 94 7.7 10.0 15.0#  
 80 7.7 11.2 16.8#



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.38 ng  
 RT: 10.40 min Scan# 754  
 Delta R.T. -0.25 min  
 Lab File: BF092274.D  
 Acq: 14 Jan 2017 10:06

Tgt Ion:248 Resp: 19293  
 Ion Ratio Lower Upper  
 248 100  
 250 192.1 76.9 115.3#  
 141 315.1 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.66 min Scan# 864

Delta R.T. -0.02 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

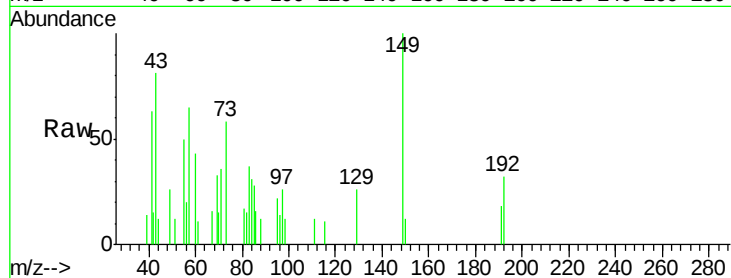
Tgt Ion:149 Resp: 2756

Ion Ratio Lower Upper

149 100

150 11.7 8.1 12.1

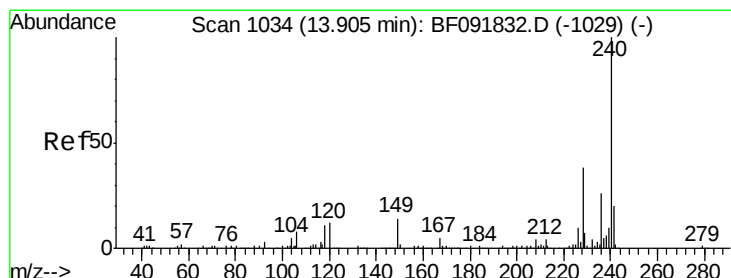
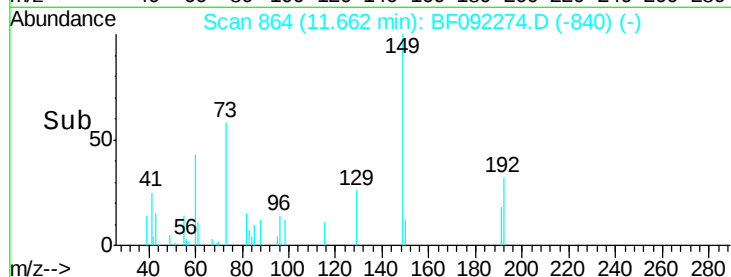
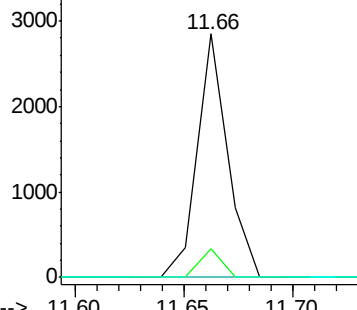
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF092274.D

Acq: 14 Jan 2017 10:06

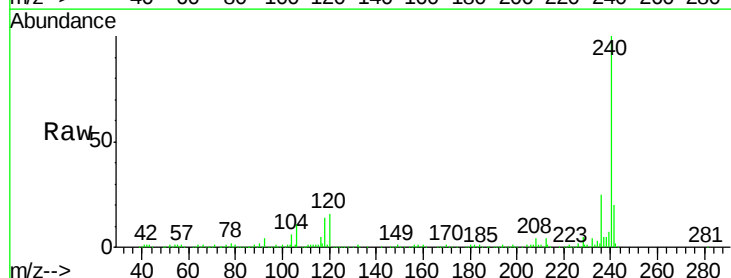
Tgt Ion:240 Resp: 389455

Ion Ratio Lower Upper

240 100

120 16.1 12.9 19.3

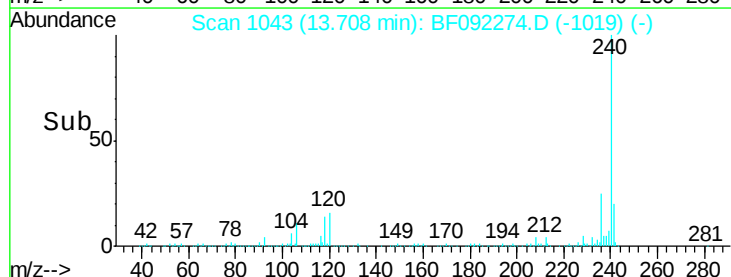
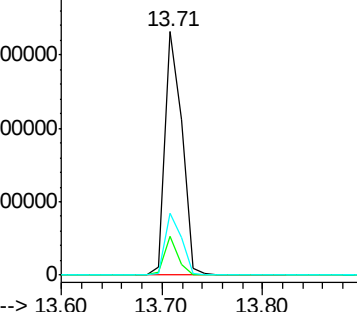
236 25.3 20.9 31.3

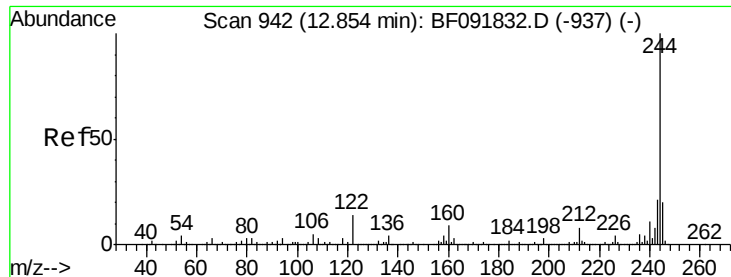


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

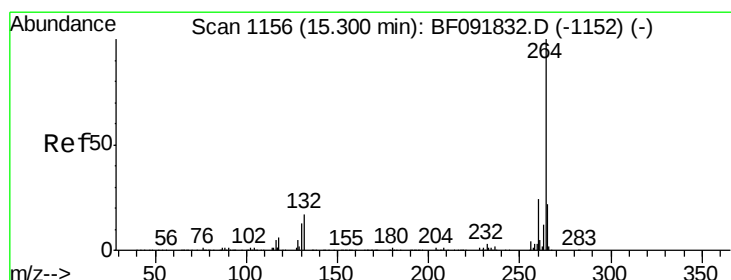
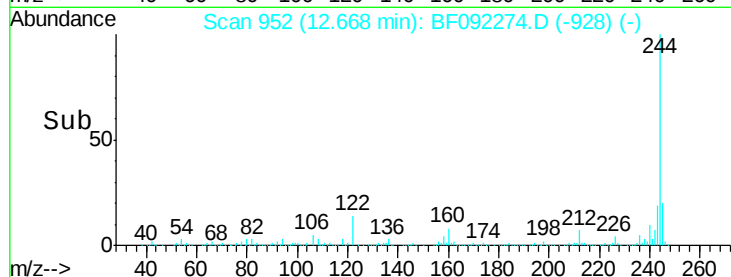
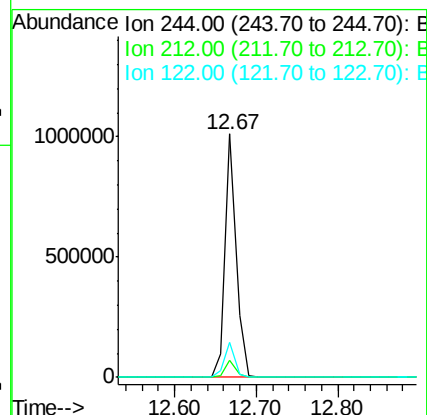
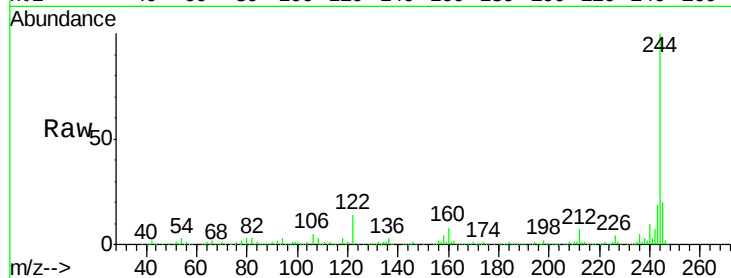




#78  
 Terphenyl-d14  
 Concen: 58.98 ng  
 RT: 12.67 min Scan# 952  
 Delta R.T. -0.02 min  
 Lab File: BF092274.D  
 Acq: 14 Jan 2017 10:06

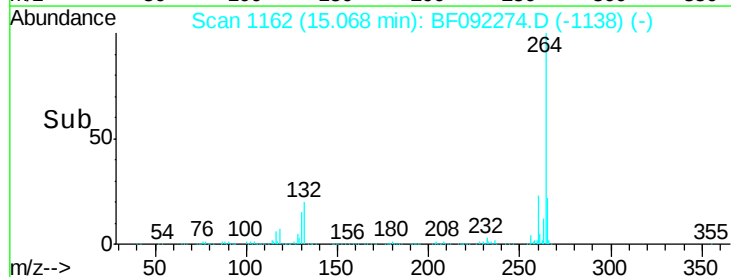
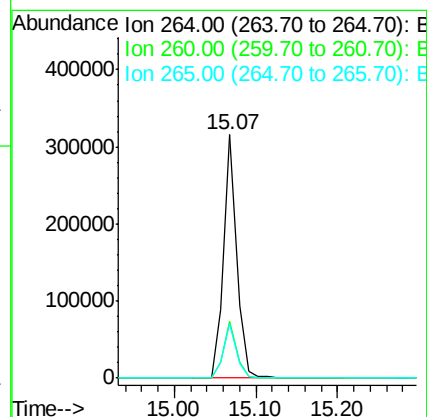
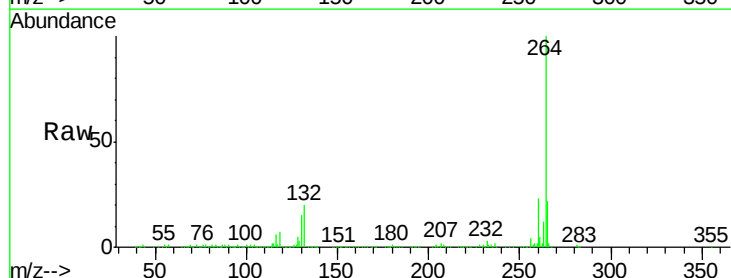
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-COMP

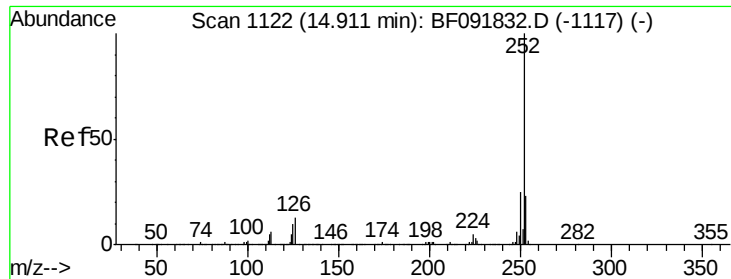
Tgt Ion:244 Resp: 947128  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.2 9.2  
 122 14.1 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1162  
 Delta R.T. -0.02 min  
 Lab File: BF092274.D  
 Acq: 14 Jan 2017 10:06

Tgt Ion:264 Resp: 353254  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.2 28.8  
 265 22.2 17.4 26.0

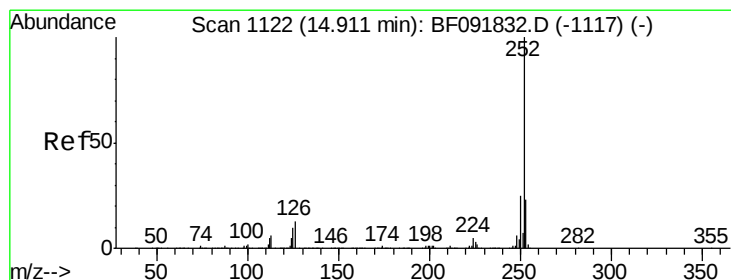
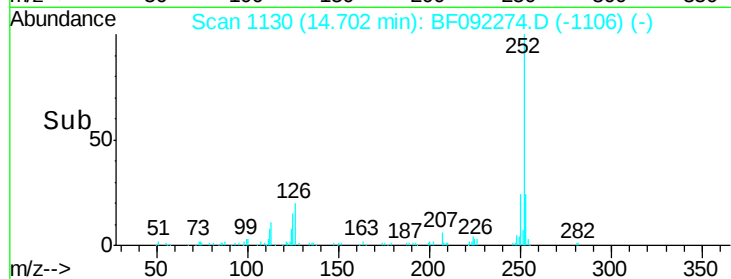
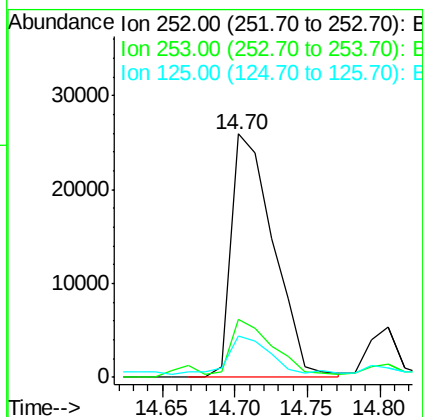
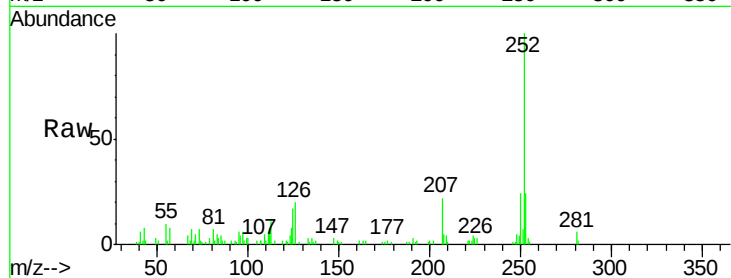




#87  
Benzo(b)fluoranthene  
Concen: 2.38 ng  
RT: 14.70 min Scan# 1130  
Delta R.T. -0.02 min  
Lab File: BF092274.D  
Acq: 14 Jan 2017 10:06

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 18.2  | 27.4  |
| 125     | 17.0  | 9.8   | 14.6# |



#88  
Benzo(k)fluoranthene  
Concen: 2.79 ng  
RT: 14.70 min Scan# 1130  
Delta R.T. -0.05 min  
Lab File: BF092274.D  
Acq: 14 Jan 2017 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 18.5  | 27.7  |
| 125     | 17.0  | 8.9   | 13.3# |

