

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070816\  
 Data File : BF088827.D  
 Acq On : 8 Jul 2016 15:58  
 Operator : UM/SJ  
 Sample : PB91873BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

Quant Time: Jul 08 18:56:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 05 17:15:08 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 84138    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.02  | 136  | 345084   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.77  | 164  | 167261   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.24 | 188  | 329712   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 13.87 | 240  | 222025   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 15.25 | 264  | 178902   | 20.00 | ng    | -0.06    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.34  | 112 | 631776 | 112.53 | ng | -0.03 |
| 7) Phenol-d6                | 6.38  | 99  | 777003 | 107.11 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.30  | 82  | 537819 | 81.67  | ng | -0.05 |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330 | 236397 | 152.20 | ng | -0.05 |
| 44) 2-Fluorobiphenyl        | 9.10  | 172 | 893351 | 84.37  | ng | -0.05 |
| 78) Terphenyl-d14           | 12.82 | 244 | 884013 | 88.68  | ng | -0.05 |

|                                |      |     |        |       |    |        |
|--------------------------------|------|-----|--------|-------|----|--------|
| Target Compounds               |      |     |        |       |    | Qvalue |
| 3) Pyridine                    | 2.99 | 79  | 225610 | 27.93 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 2.95 | 42  | 99490  | 32.24 | ng | 91     |
| 6) Aniline                     | 6.40 | 93  | 267466 | 25.30 | ng | # 87   |
| 8) 2-Chlorophenol              | 6.51 | 128 | 233721 | 38.74 | ng | 94     |
| 9) Benzaldehyde                | 6.27 | 77  | 147156 | 29.95 | ng | 90     |
| 10) Phenol                     | 6.39 | 94  | 241423 | 29.16 | ng | # 45   |
| 11) bis(2-Chloroethyl)ether    | 6.48 | 93  | 240135 | 38.90 | ng | # 81   |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 253293 | 38.15 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146 | 259123 | 39.32 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.75 | 146 | 259123 | 42.01 | ng | 97     |
| 15) Benzyl Alcohol             | 6.88 | 79  | 203527 | 38.12 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45  | 272510 | 30.48 | ng | 89     |
| 17) 2-Methylphenol             | 7.00 | 107 | 211062 | 42.88 | ng | 98     |
| 18) Hexachloroethane           | 7.24 | 117 | 97636  | 38.30 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70  | 175490 | 36.02 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.15 | 107 | 232710 | 39.39 | ng | 93     |
| 22) Acetophenone               | 7.14 | 105 | 346346 | 41.35 | ng | # 90   |
| 24) Nitrobenzene               | 7.31 | 77  | 245030 | 36.91 | ng | # 82   |
| 25) Isophorone                 | 7.56 | 82  | 487984 | 40.01 | ng | 98     |
| 26) 2-Nitrophenol              | 7.63 | 139 | 117634 | 43.21 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.68 | 122 | 208775 | 36.82 | ng | 87     |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93  | 313572 | 39.50 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 7.88 | 162 | 200551 | 43.76 | ng | 91     |
| 30) 1,2,4-Trichlorobenzene     | 7.96 | 180 | 211749 | 42.10 | ng | 97     |
| 31) Naphthalene                | 8.04 | 128 | 701028 | 41.21 | ng | 98     |
| 32) Benzoic acid               | 7.82 | 122 | 136768 | 33.22 | ng | 92     |
| 33) 4-Chloroaniline            | 8.09 | 127 | 180472 | 23.84 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.16 | 225 | 108878 | 40.43 | ng | 98     |
| 35) Caprolactam                | 8.47 | 113 | 42799  | 27.50 | ng | # 77   |
| 36) 4-Chloro-3-methylphenol    | 8.58 | 107 | 237522 | 43.83 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.73 | 142 | 472030 | 43.09 | ng | # 95   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 198346 | 35.65 | ng | # 1    |
| 40) Hexachlorocyclopentadiene  | 8.89 | 237 | 198372 | 72.65 | ng | 99     |
| 42) 2,4,6-Trichlorophenol      | 9.02 | 196 | 143172 | 39.03 | ng | 99     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070816\  
 Data File : BF088827.D  
 Acq On : 8 Jul 2016 15:58  
 Operator : UM/SJ  
 Sample : PB91873BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

Quant Time: Jul 08 18:56:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 05 17:15:08 2016  
 Response via : Initial Calibration

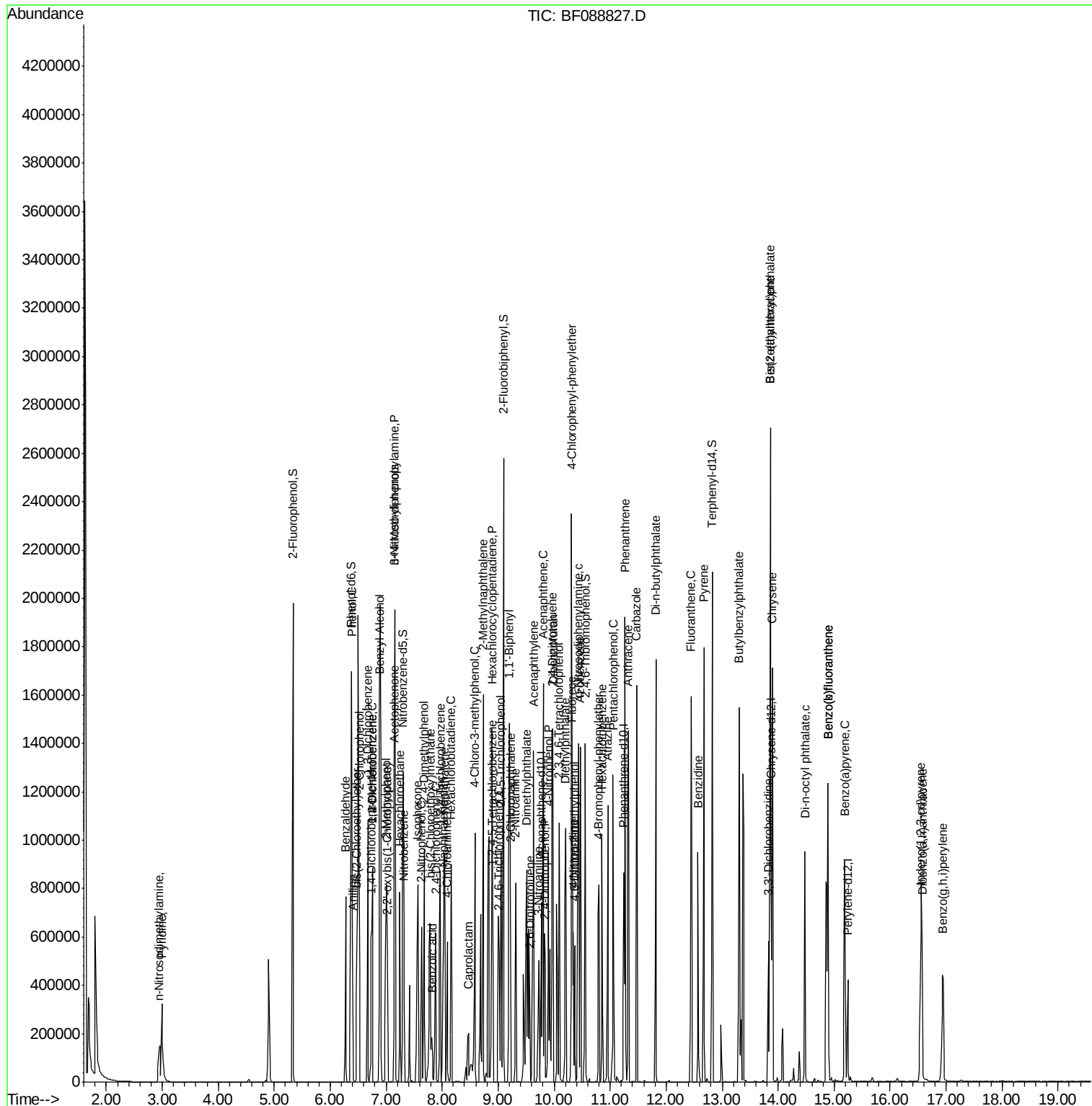
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 145917   | 46.24  | ng    | # 92     |
| 45) 1,1'-Biphenyl              | 9.20  | 154  | 569624   | 41.13  | ng    | 96       |
| 46) 2-Chloronaphthalene        | 9.22  | 162  | 432790   | 39.80  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.31  | 65   | 148628   | 38.52  | ng    | 95       |
| 48) Acenaphthylene             | 9.63  | 152  | 739138   | 42.72  | ng    | 99       |
| 49) Dimethylphthalate          | 9.51  | 163  | 548650   | 46.04  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.56  | 165  | 118398   | 44.83  | ng    | # 87     |
| 51) Acenaphthene               | 9.80  | 154  | 527442   | 49.74  | ng    | 99       |
| 52) 3-Nitroaniline             | 9.72  | 138  | 88177    | 26.26  | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.84  | 184  | 129237   | 110.83 | ng    | # 73     |
| 54) Dibenzofuran               | 9.98  | 168  | 650727   | 46.88  | ng    | # 91     |
| 55) 4-Nitrophenol              | 9.90  | 139  | 170973   | 67.01  | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 9.96  | 165  | 173714   | 50.31  | ng    | # 65     |
| 57) Fluorene                   | 10.32 | 166  | 489547   | 45.77  | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.09 | 232  | 114716   | 46.98  | ng    | # 48     |
| 59) Diethylphthalate           | 10.20 | 149  | 560104   | 46.84  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.31 | 204  | 196427   | 39.52  | ng    | 89       |
| 61) 4-Nitroaniline             | 10.34 | 138  | 138267   | 42.80  | ng    | 89       |
| 62) Azobenzene                 | 10.47 | 77   | 595706   | 43.67  | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198  | 73223    | 41.52  | ng    | 89       |
| 65) n-Nitrosodiphenylamine     | 10.43 | 169  | 464142   | 41.59  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 145725   | 43.86  | ng    | 98       |
| 67) Hexachlorobenzene          | 10.86 | 284  | 138639   | 37.69  | ng    | 92       |
| 68) Atrazine                   | 10.96 | 200  | 129229   | 37.17  | ng    | 91       |
| 69) Pentachlorophenol          | 11.05 | 266  | 153927   | 70.71  | ng    | 96       |
| 70) Phenanthrene               | 11.27 | 178  | 675328   | 37.47  | ng    | 99       |
| 71) Anthracene                 | 11.32 | 178  | 791232   | 44.15  | ng    | 98       |
| 72) Carbazole                  | 11.47 | 167  | 612987   | 36.34  | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 875392   | 44.62  | ng    | 99       |
| 74) Fluoranthene               | 12.44 | 202  | 673353   | 36.85  | ng    | 98       |
| 76) Benzidine                  | 12.57 | 184  | 320834   | 28.59  | ng    | 98       |
| 77) Pyrene                     | 12.67 | 202  | 694617   | 36.90  | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.30 | 149  | 334478   | 39.83  | ng    | # 80     |
| 80) Benzo(a)anthracene         | 13.86 | 228  | 595912   | 41.68  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.83 | 252  | 139567   | 25.97  | ng    | 99       |
| 82) Chrysene                   | 13.90 | 228  | 566568   | 40.06  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 408550   | 42.62  | ng    | 97       |
| 84) Di-n-octyl phthalate       | 14.48 | 149  | 701969   | 43.10  | ng    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.55 | 276  | 459416   | 42.22  | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.89 | 252  | 958481   | 85.41  | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 14.89 | 252  | 958492   | 98.11  | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.19 | 252  | 431160   | 45.38  | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.57 | 278  | 379096   | 47.78  | ng    | # 93     |
| 91) Benzo(g,h,i)perylene       | 16.95 | 276  | 384990   | 46.89  | ng    | # 93     |

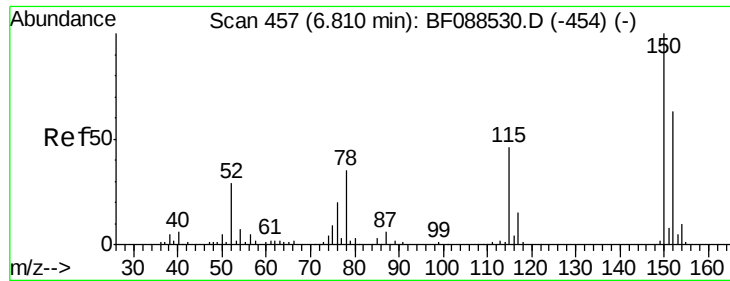
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070816\  
Data File : BF088827.D  
Acq On    : 8 Jul 2016 15:58  
Operator  : UM/SJ  
Sample    : PB91873BS  
Misc      :  
ALS Vial  : 10 Sample Multiplier: 1
```

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB91873BS

Quant Time: Jul 08 18:56:14 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 05 17:15:08 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

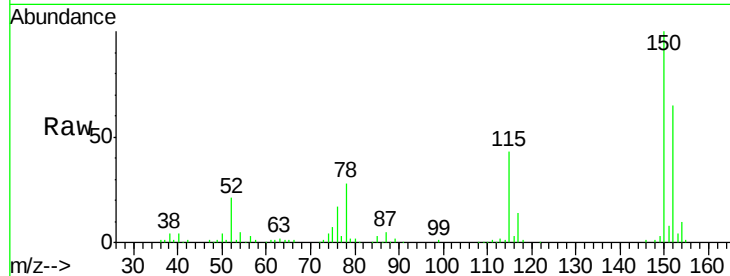
Tgt Ion:152 Resp: 84138

Ion Ratio Lower Upper

152 100

150 155.0 123.8 185.6

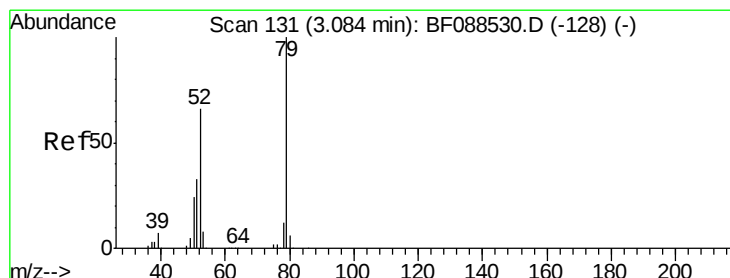
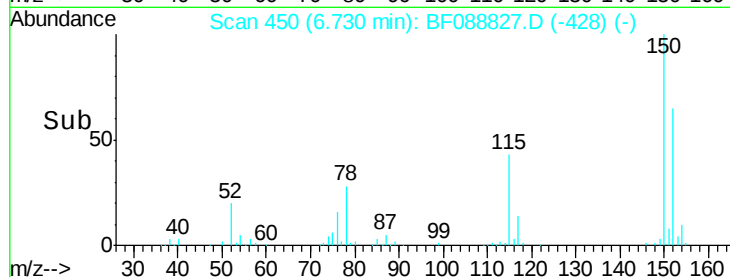
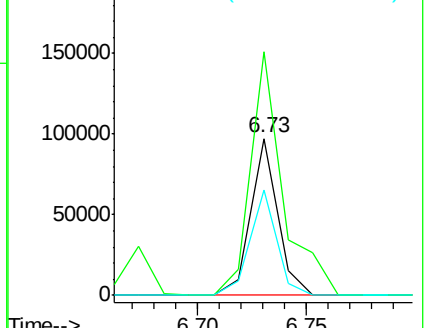
115 67.0 39.6 59.4#



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



#3

Pyridine

Concen: 27.93 ng

RT: 2.99 min Scan# 123

Delta R.T. -0.01 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

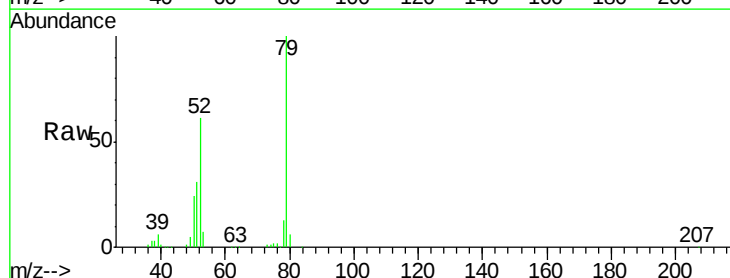
Tgt Ion: 79 Resp: 225610

Ion Ratio Lower Upper

79 100

52 60.5 56.3 84.5

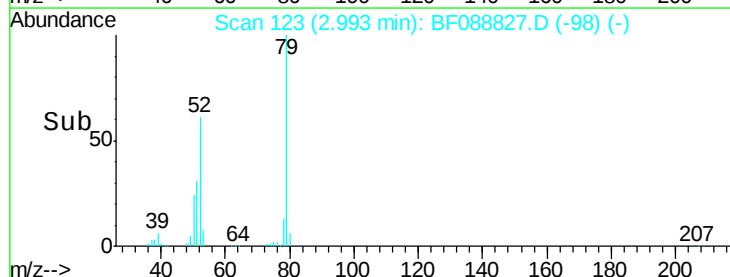
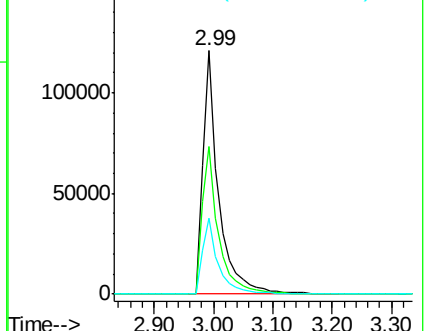
51 31.1 27.4 41.2

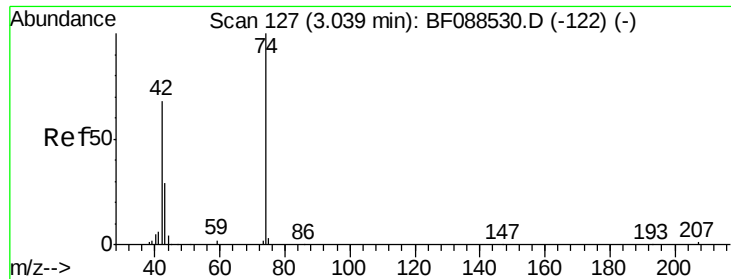


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 32.24 ng

RT: 2.95 min Scan# 119

Delta R.T. -0.02 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

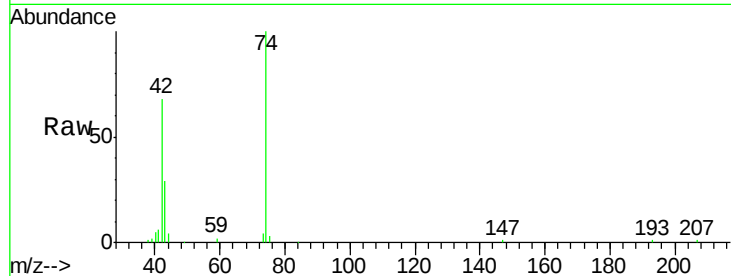
Tgt Ion: 42 Resp: 99490

Ion Ratio Lower Upper

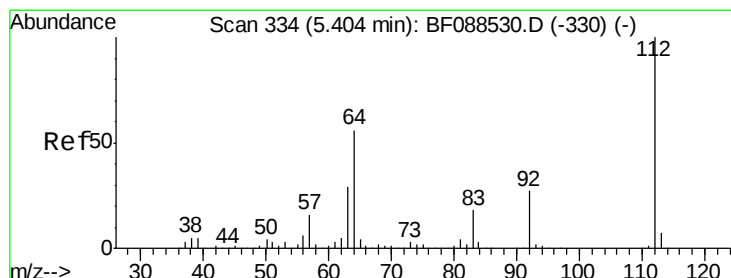
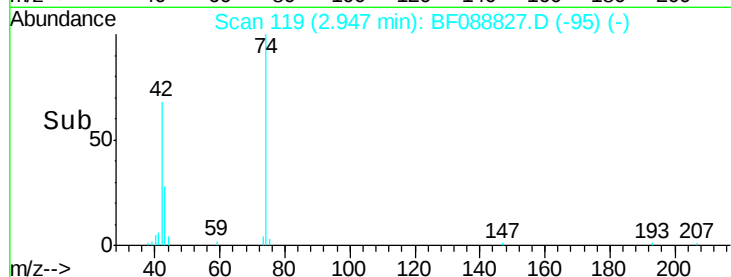
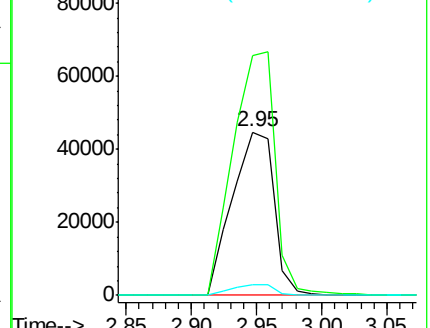
42 100

74 147.1 108.6 163.0

44 6.6 5.5 8.3



Abundance Ion 42.00 (41.70 to 42.70): BF0  
Ion 74.00 (73.70 to 74.70): BF0  
Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 112.53 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

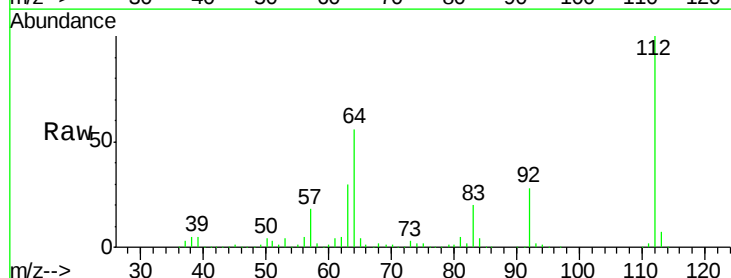
Tgt Ion: 112 Resp: 631776

Ion Ratio Lower Upper

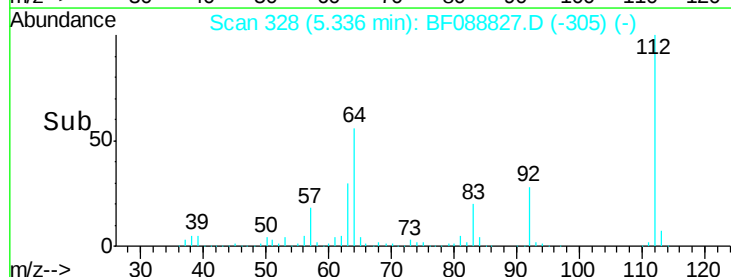
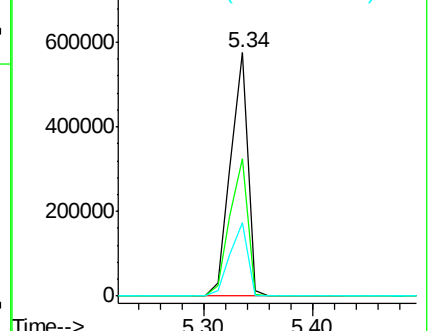
112 100

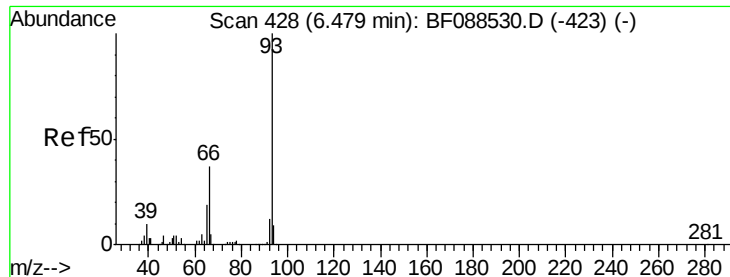
64 56.2 42.2 63.2

63 30.3 21.8 32.8



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





#6

Aniline

Concen: 25.30 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

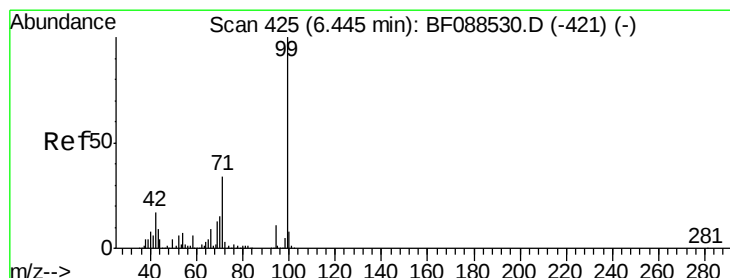
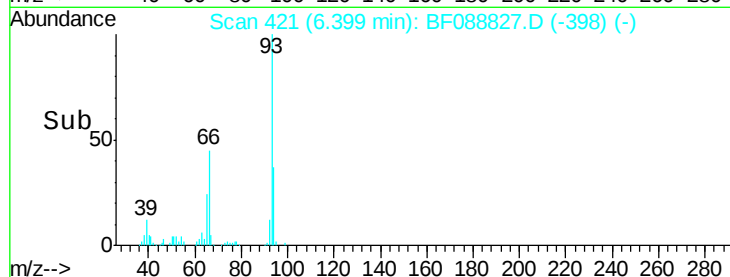
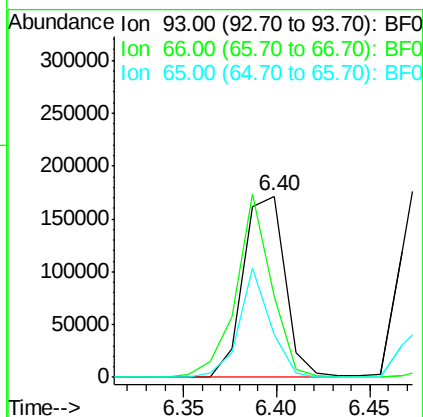
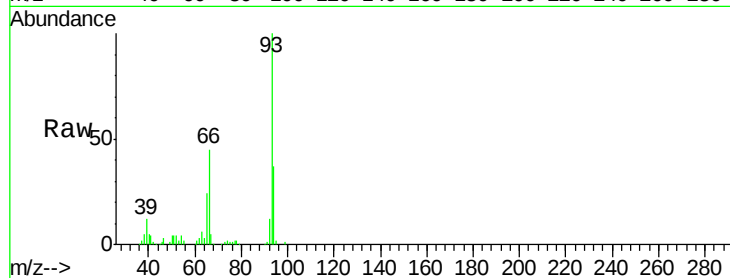
Tgt Ion: 93 Resp: 267466

Ion Ratio Lower Upper

93 100

66 45.0 29.8 44.8#

65 23.9 14.9 22.3#



#7

Phenol-d6

Concen: 107.11 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

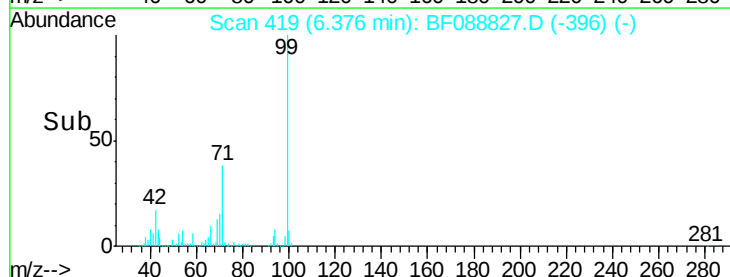
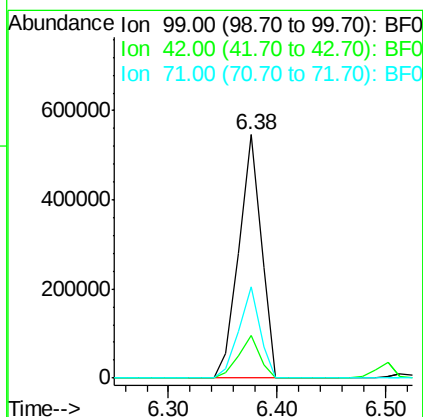
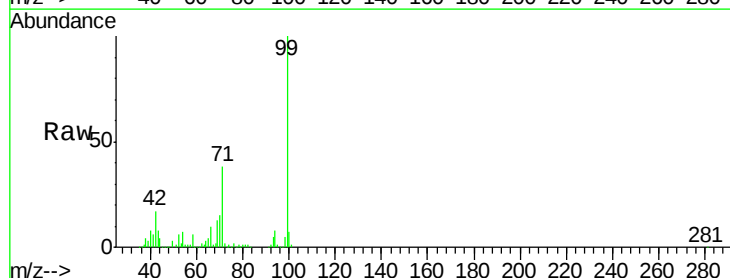
Tgt Ion: 99 Resp: 777003

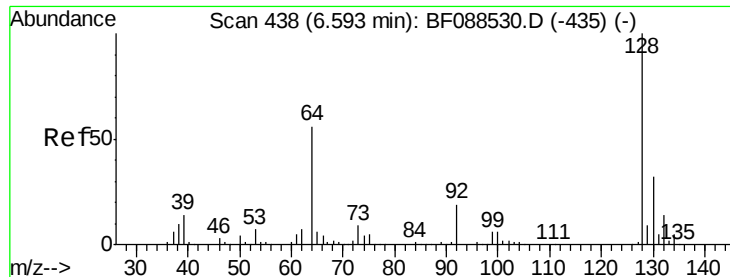
Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 37.7 23.4 35.0#





#8

2-Chlorophenol

Concen: 38.74 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

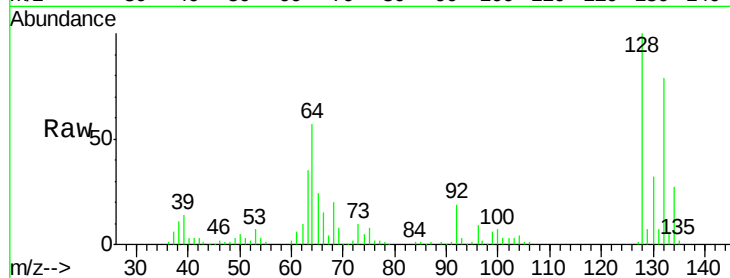
Tgt Ion:128 Resp: 233721

Ion Ratio Lower Upper

128 100

130 32.1 12.0 52.0

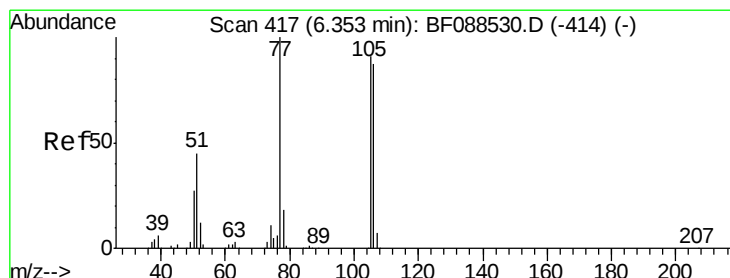
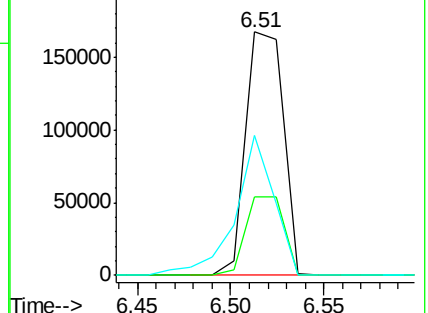
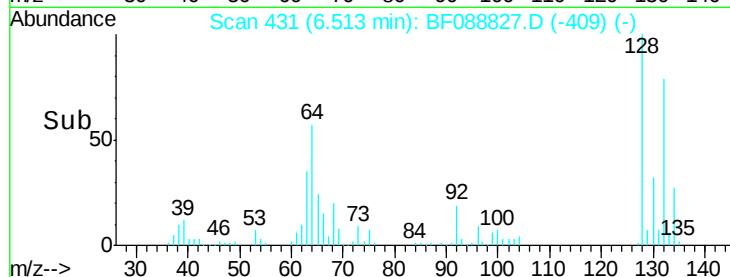
64 57.5 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 29.95 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

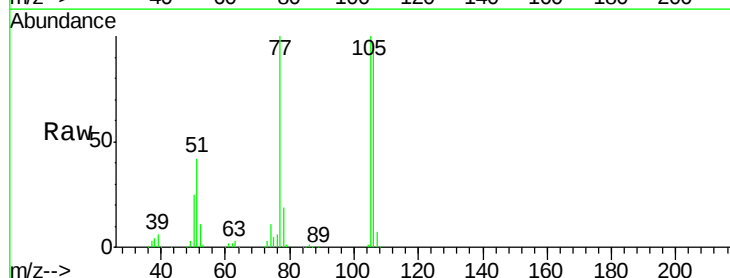
Tgt Ion: 77 Resp: 147156

Ion Ratio Lower Upper

77 100

105 100.3 90.6 130.6

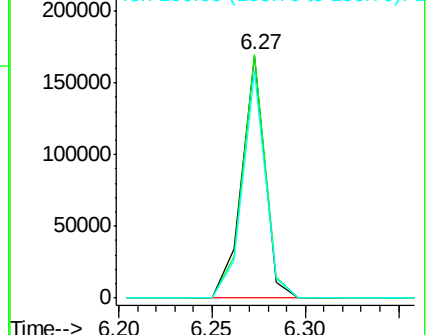
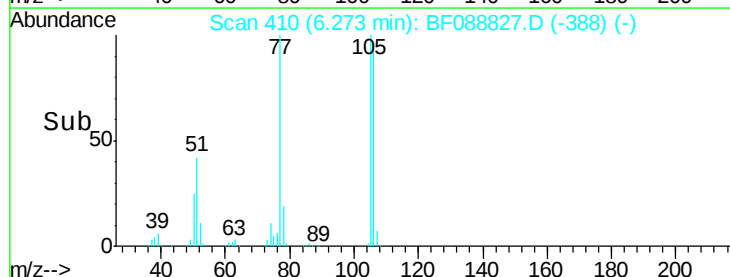
106 93.8 85.3 125.3

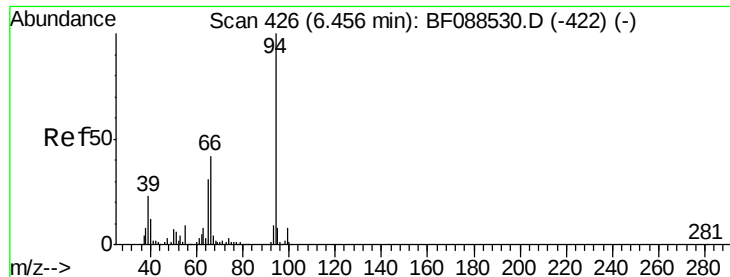


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 29.16 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

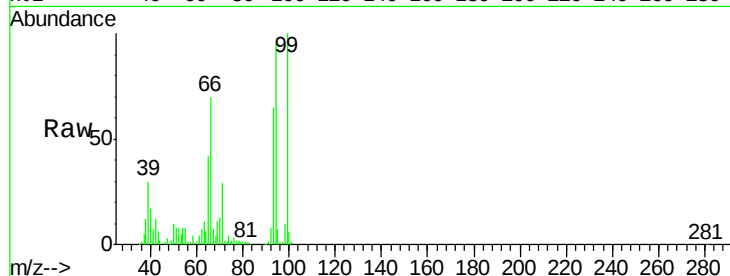
Tgt Ion: 94 Resp: 241423

Ion Ratio Lower Upper

94 100

65 44.3 5.9 45.9

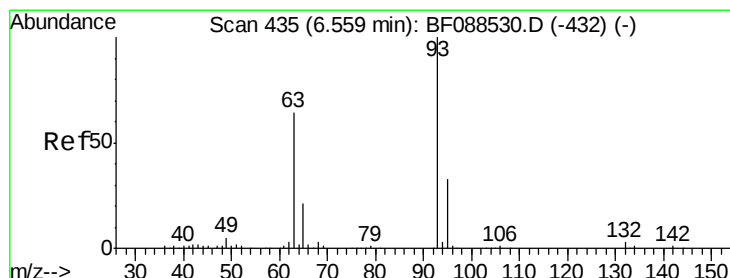
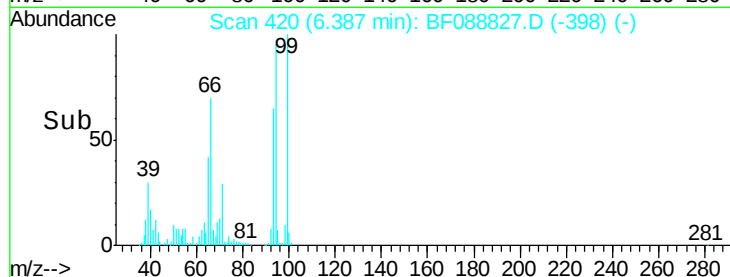
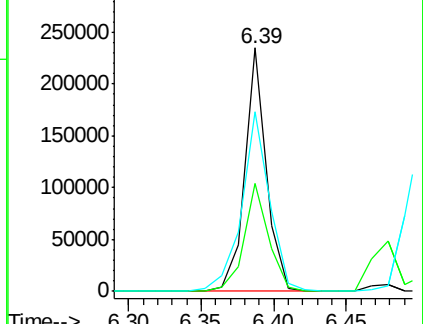
66 73.8 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 38.90 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

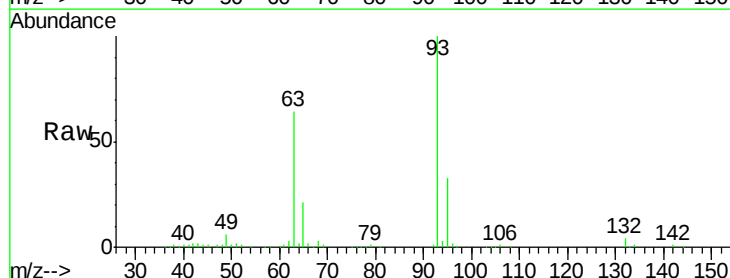
Tgt Ion: 93 Resp: 240135

Ion Ratio Lower Upper

93 100

63 63.7 67.6 107.6#

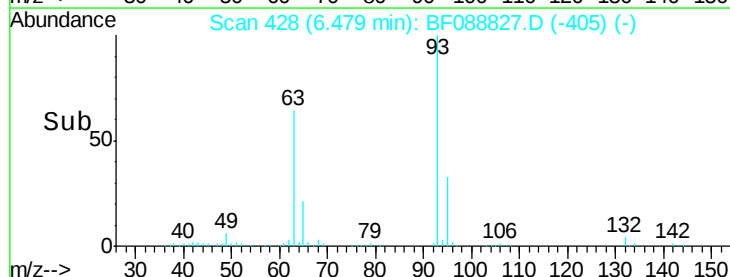
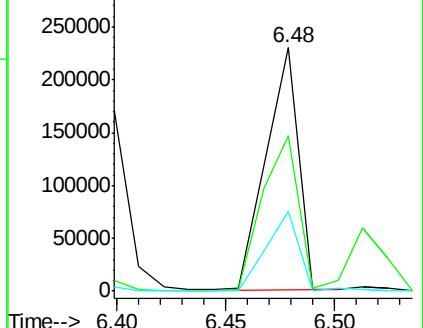
95 32.8 12.5 52.5

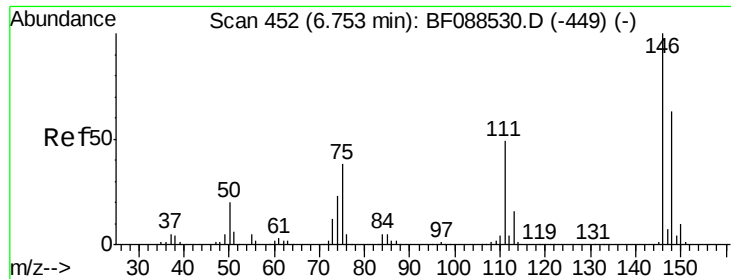


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

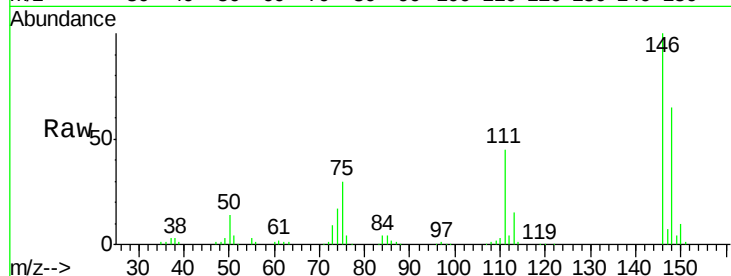




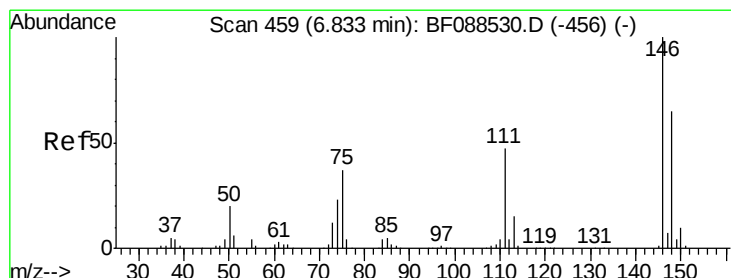
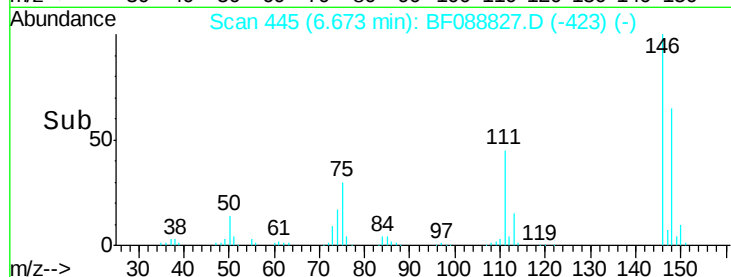
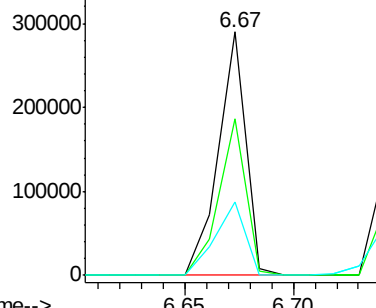
#12  
 1,3-Dichlorobenzene  
 Concen: 38.15 ng  
 RT: 6.67 min Scan# 445  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.5  | 50.9  | 76.3  |
| 75      | 29.9  | 25.6  | 38.4  |

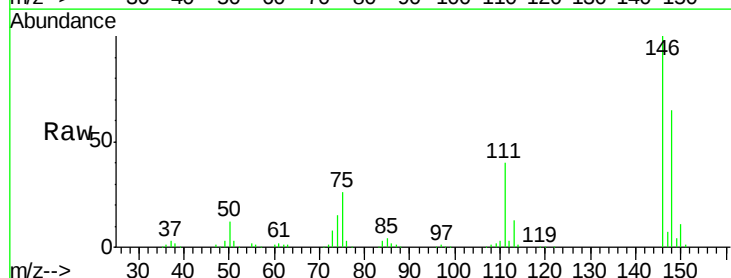


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): BF0

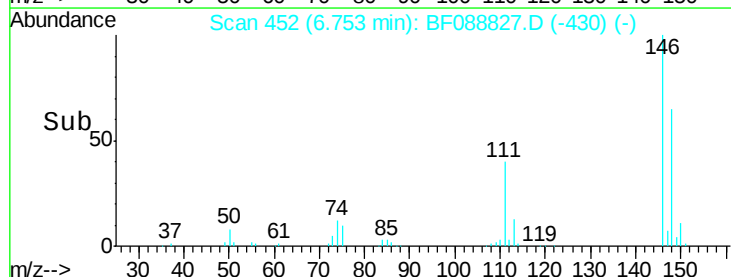
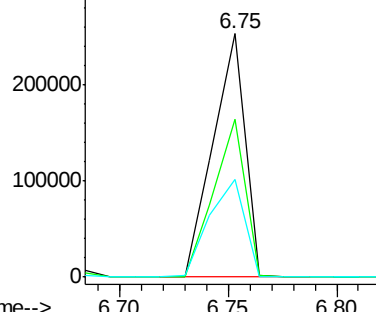


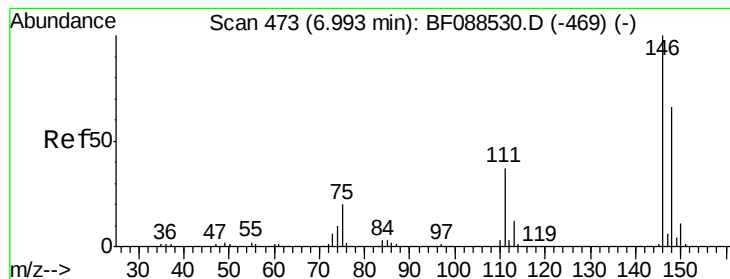
#13  
 1,4-Dichlorobenzene  
 Concen: 39.32 ng  
 RT: 6.75 min Scan# 452  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.8  | 52.0  | 78.0  |
| 111     | 40.4  | 33.8  | 50.8  |



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

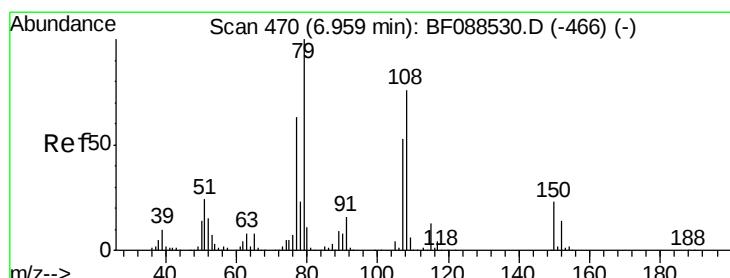
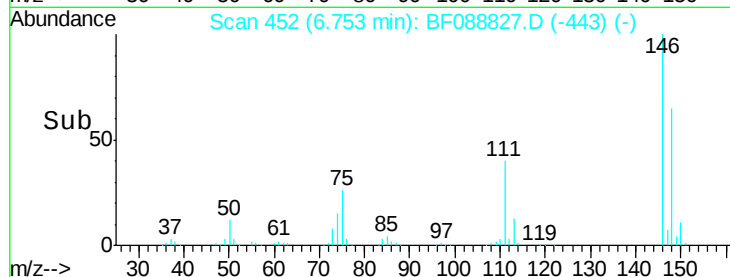
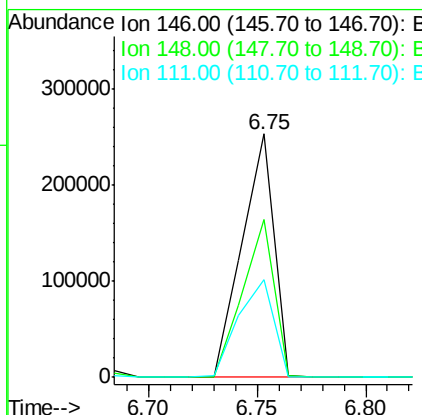
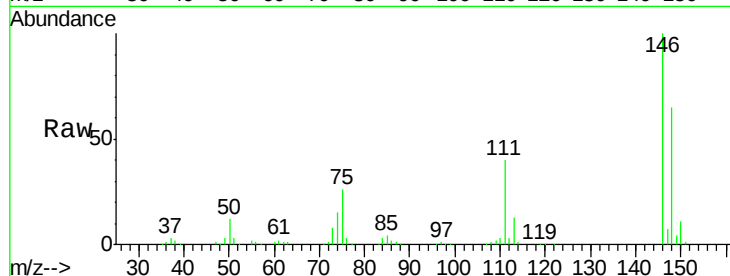




#14  
 1,2-Dichlorobenzene  
 Concen: 42.01 ng  
 RT: 6.75 min Scan# 452  
 Delta R.T. -0.19 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

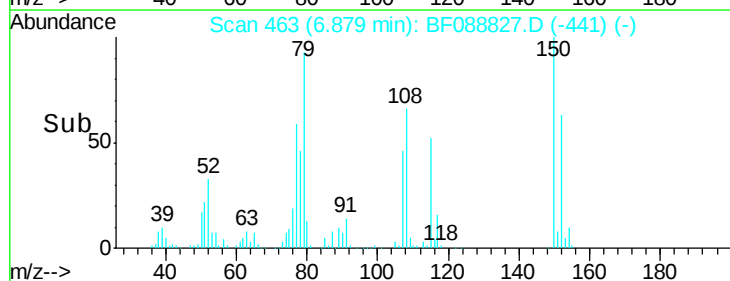
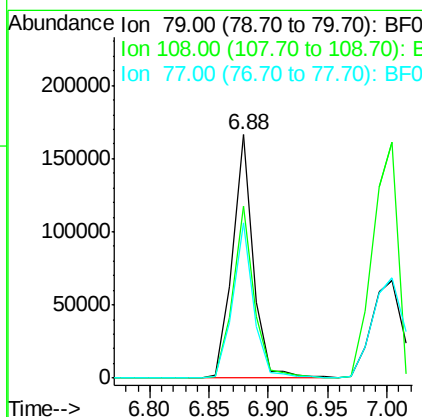
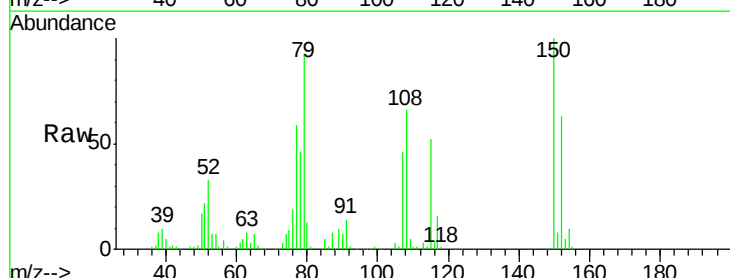
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

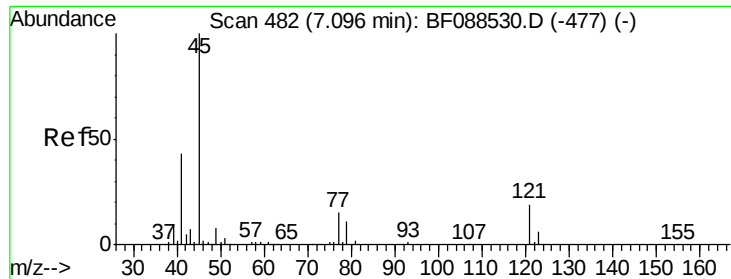
Tgt Ion: 146 Resp: 259123  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 52.3 78.5  
 111 40.4 28.7 43.1



#15  
 Benzyl Alcohol  
 Concen: 38.12 ng  
 RT: 6.88 min Scan# 463  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion: 79 Resp: 203527  
 Ion Ratio Lower Upper  
 79 100  
 108 70.5 65.0 97.6  
 77 63.9 50.3 75.5

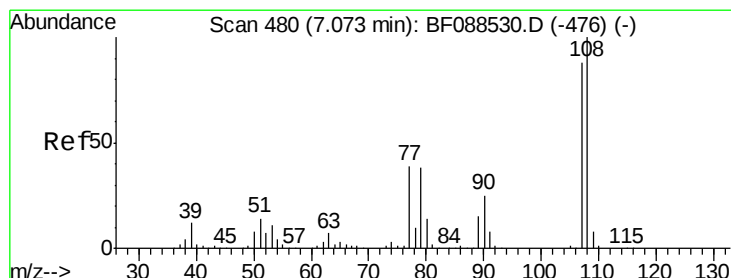
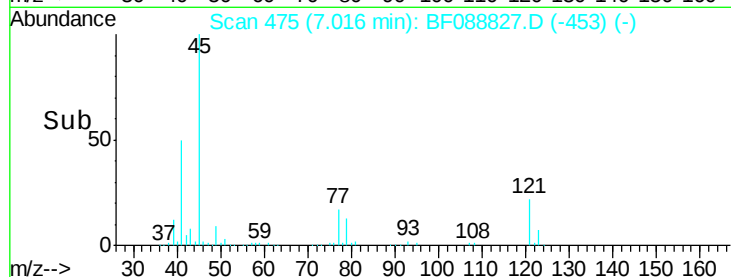
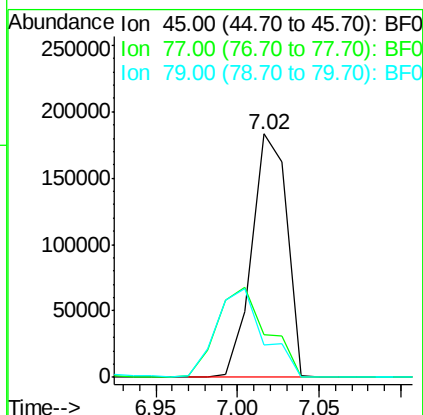
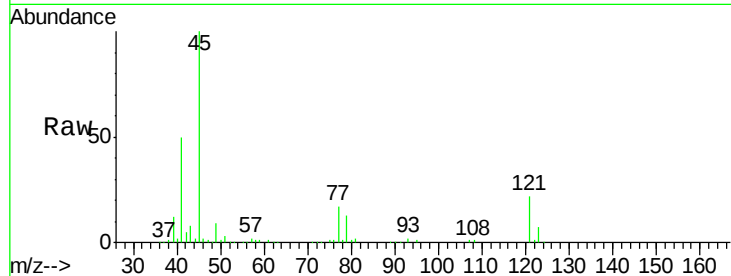




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 30.48 ng  
RT: 7.02 min Scan# 475  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

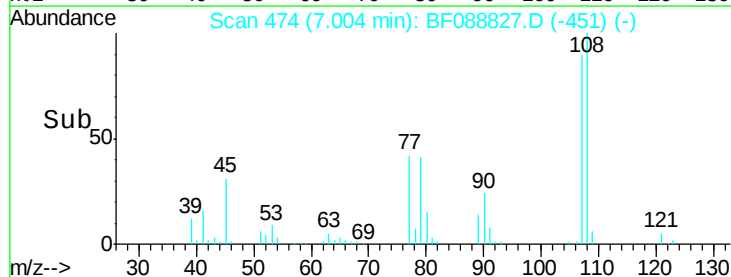
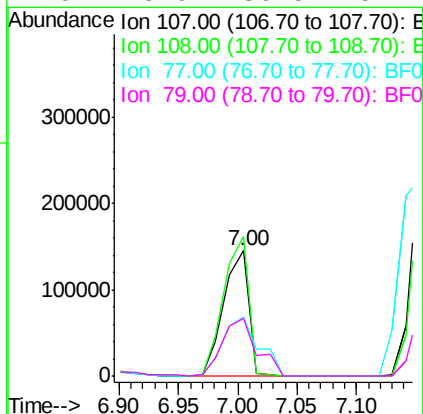
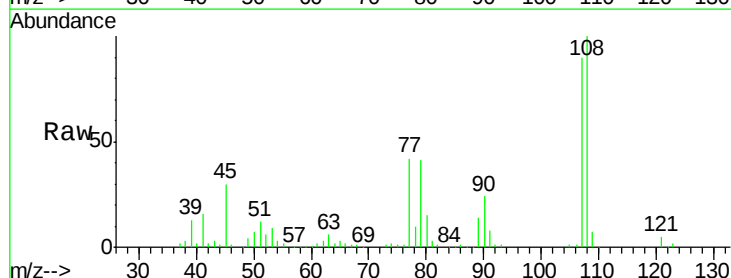
Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

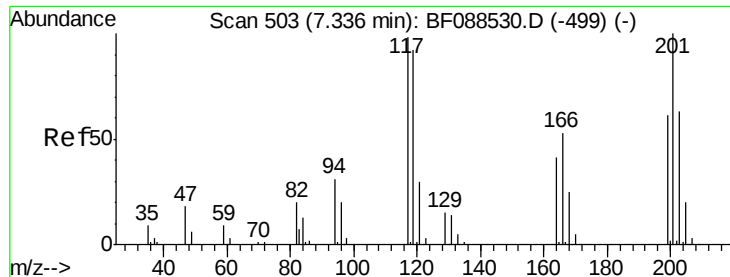
Tgt Ion: 45 Resp: 272510  
Ion Ratio Lower Upper  
45 100  
77 17.4 0.0 32.5  
79 13.2 0.0 29.5



#17  
2-Methylphenol  
Concen: 42.88 ng  
RT: 7.00 min Scan# 474  
Delta R.T. -0.03 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion: 107 Resp: 211062  
Ion Ratio Lower Upper  
107 100  
108 111.6 90.9 136.3  
77 47.1 36.6 55.0  
79 45.9 36.5 54.7

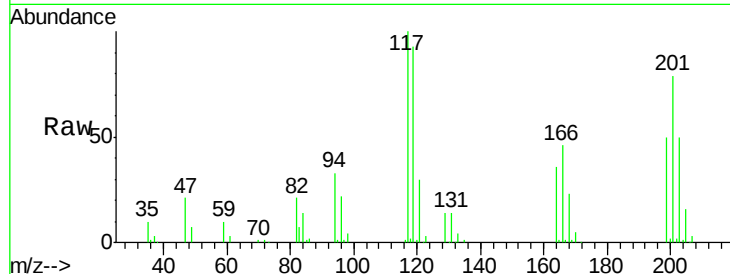




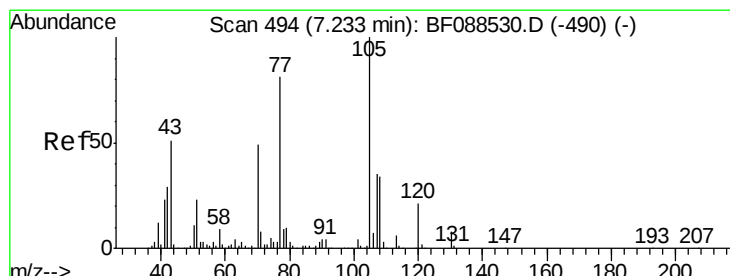
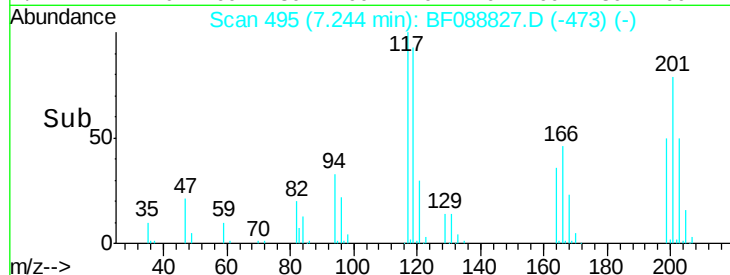
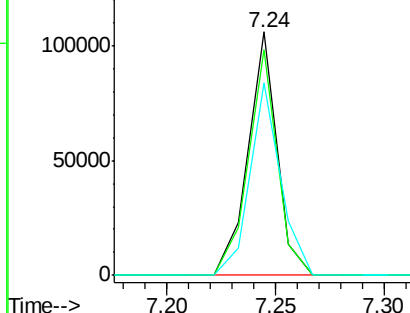
#18  
Hexachloroethane  
Concen: 38.30 ng  
RT: 7.24 min Scan# 495  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

Tgt Ion: 117 Resp: 97636  
Ion Ratio Lower Upper  
117 100  
119 92.7 77.4 116.2  
201 79.2 80.4 120.6#



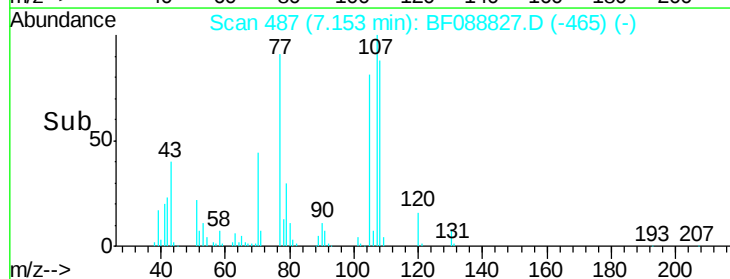
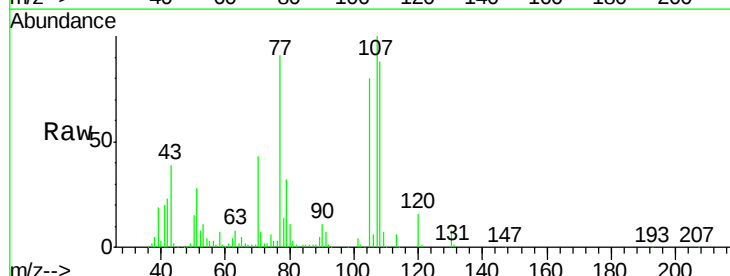
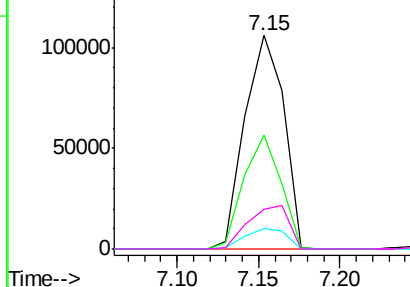
Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

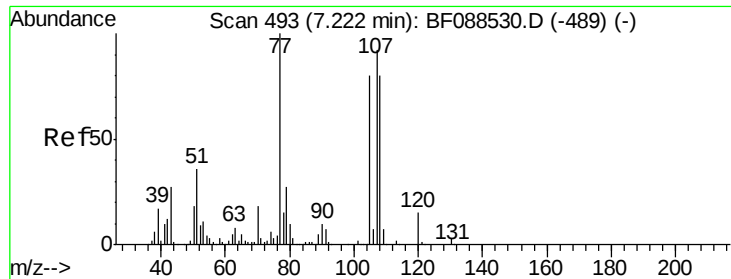


#19  
n-Nitroso-di-n-propylamine  
Concen: 36.02 ng  
RT: 7.15 min Scan# 487  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion: 70 Resp: 175490  
Ion Ratio Lower Upper  
70 100  
42 53.3 49.6 74.4  
101 9.5 7.1 10.7  
130 18.9 15.4 23.2

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





#20

3+4-Methylphenols

Concen: 39.39 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

Tgt Ion:107 Resp: 232710

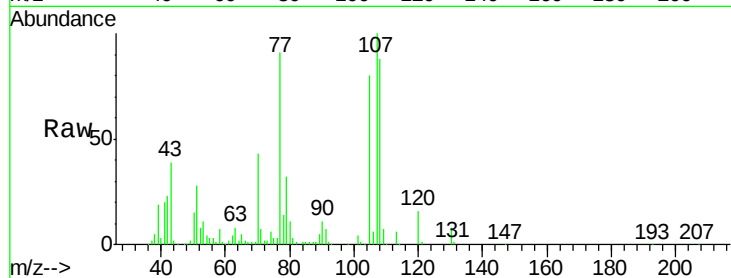
Ion Ratio Lower Upper

107 100

108 88.5 67.8 107.8

77 91.3 59.3 99.3

79 31.5 7.0 47.0

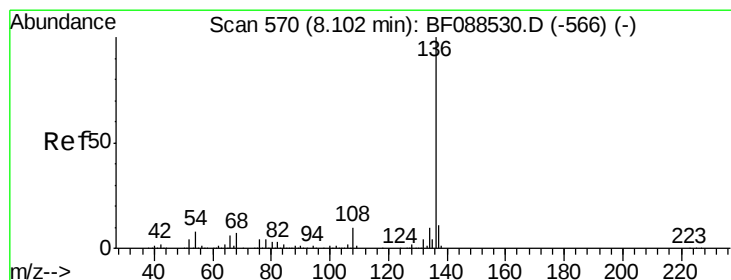
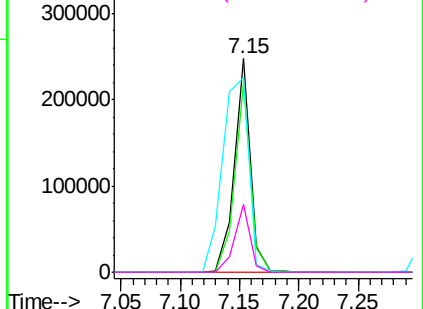
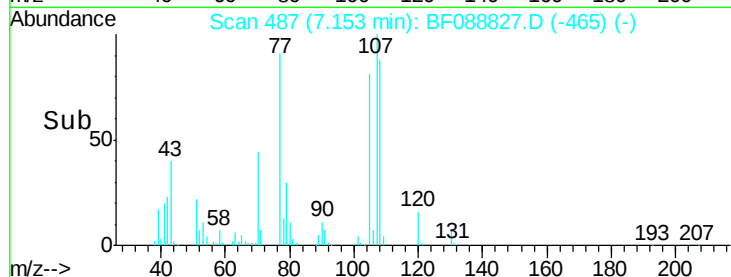


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Tgt Ion:136 Resp: 345084

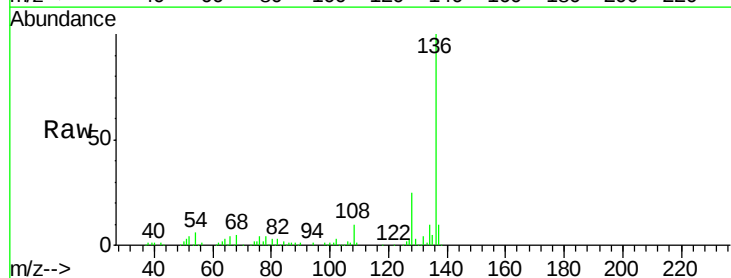
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

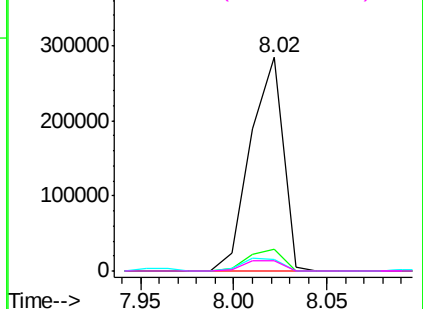
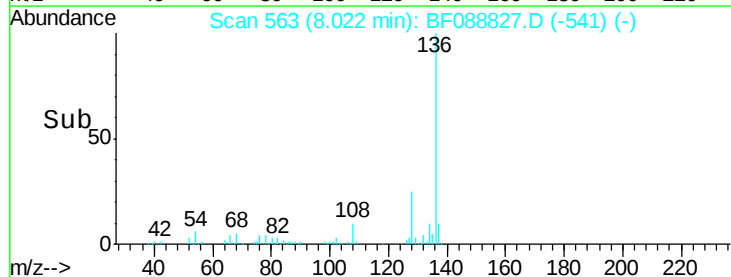


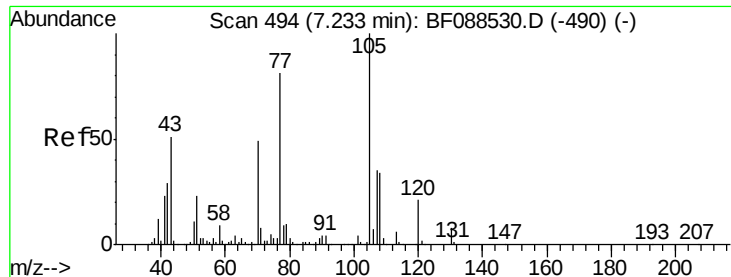
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 41.35 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.06 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

Tgt Ion: 105 Resp: 346346

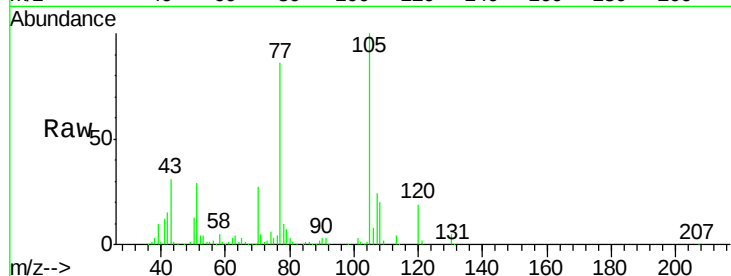
Ion Ratio Lower Upper

105 100

71 4.5 5.3 7.9#

51 28.7 18.2 27.4#

120 18.7 18.0 27.0

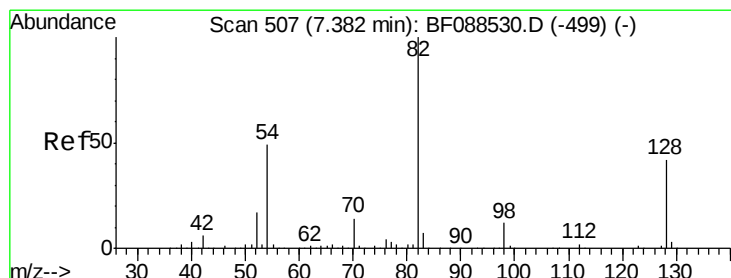
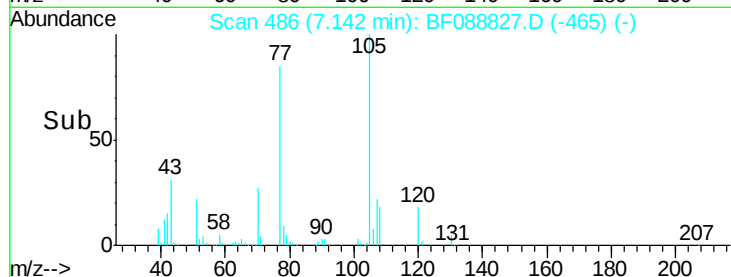
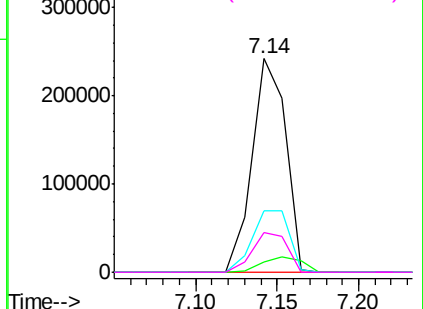


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 81.67 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

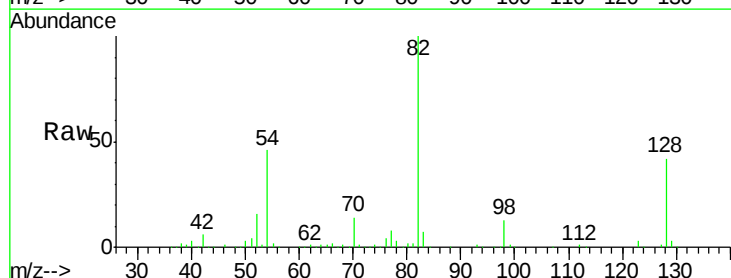
Tgt Ion: 82 Resp: 537819

Ion Ratio Lower Upper

82 100

128 42.4 35.9 53.9

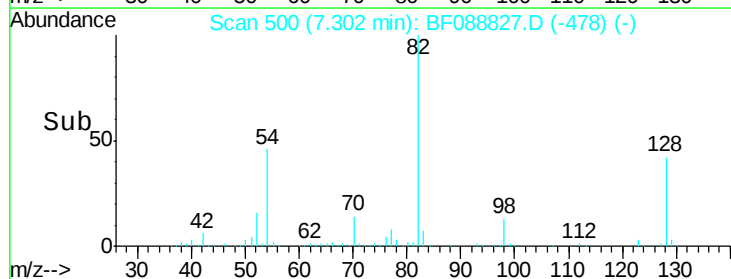
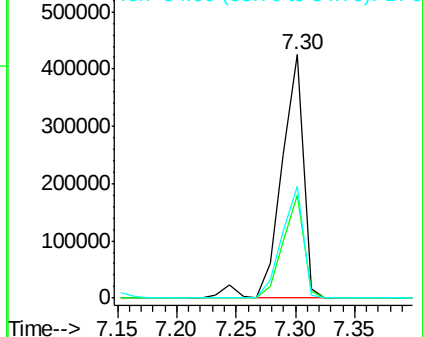
54 45.8 40.9 61.3

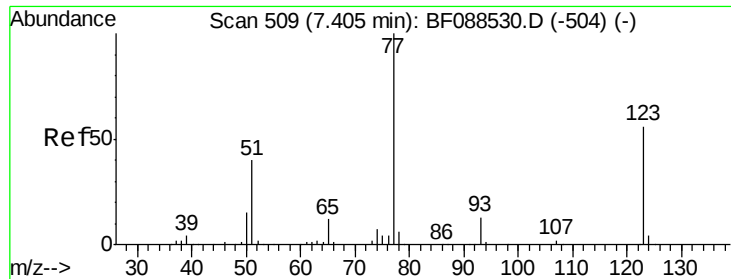


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

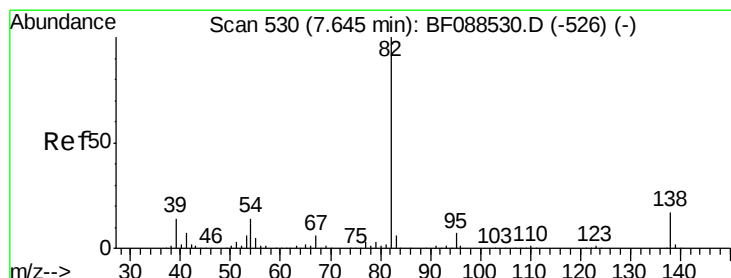
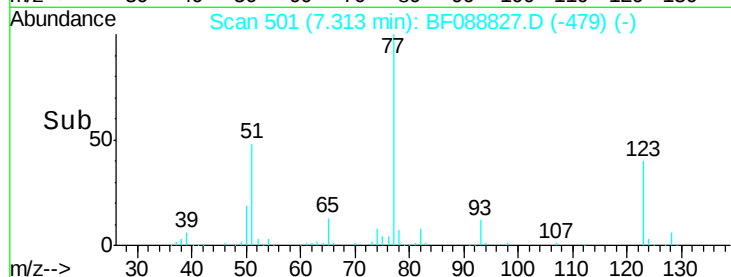
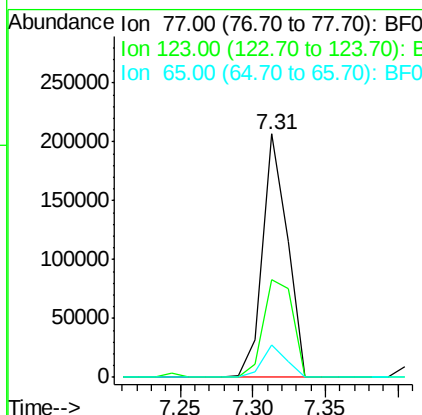
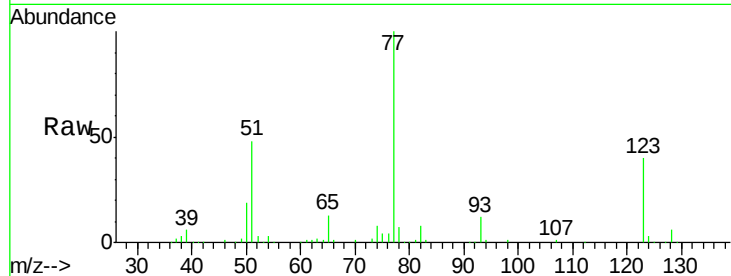




#24  
 Nitrobenzene  
 Concen: 36.91 ng  
 RT: 7.31 min Scan# 501  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

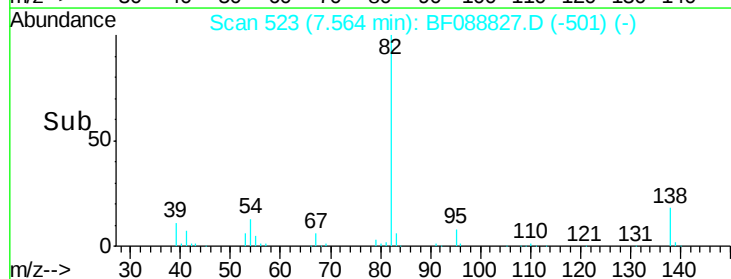
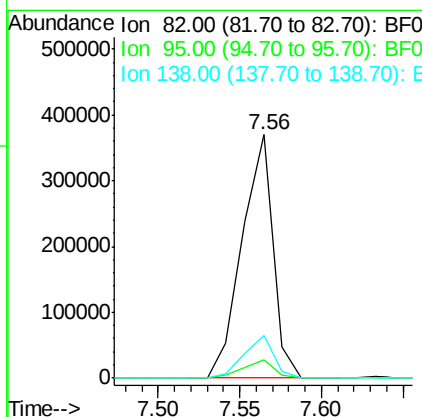
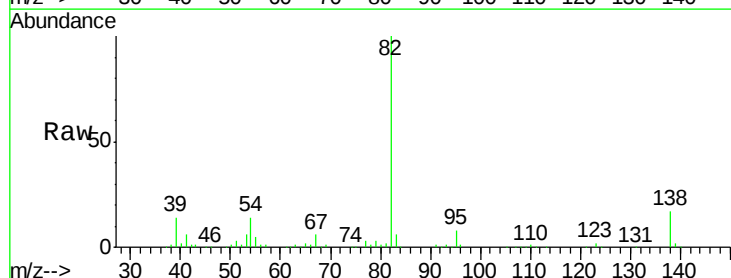
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB91873BS

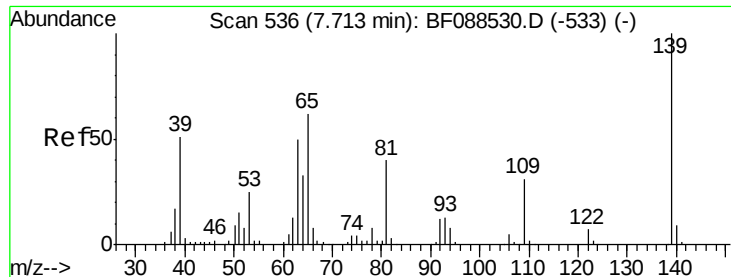
Tgt Ion: 77 Resp: 245030  
 Ion Ratio Lower Upper  
 77 100  
 123 40.3 45.0 67.4#  
 65 13.4 10.2 15.2



#25  
 Isophorone  
 Concen: 40.01 ng  
 RT: 7.56 min Scan# 523  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion: 82 Resp: 487984  
 Ion Ratio Lower Upper  
 82 100  
 95 7.6 5.4 8.2  
 138 17.5 14.6 21.8

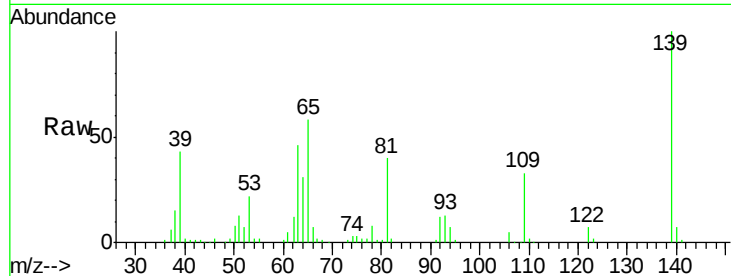




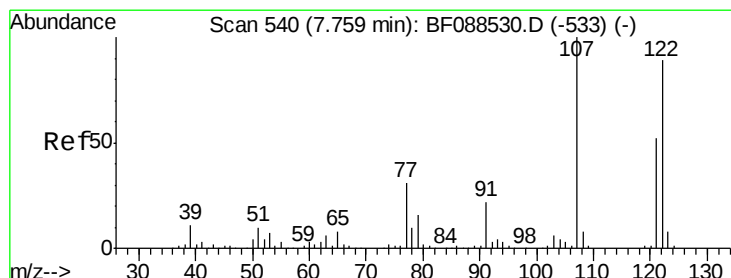
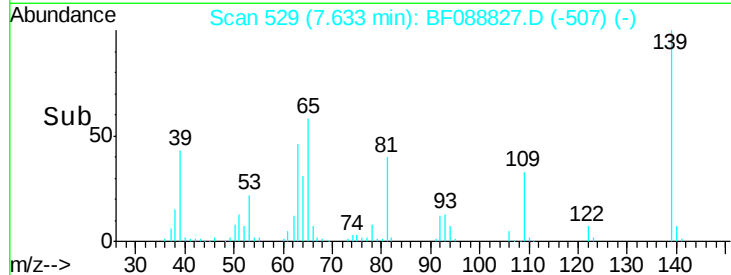
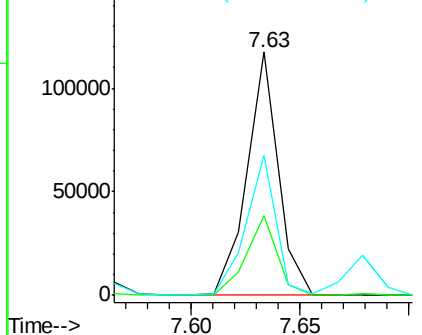
#26  
2-Nitrophenol  
Concen: 43.21 ng  
RT: 7.63 min Scan# 529  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

Tgt Ion:139 Resp: 117634  
Ion Ratio Lower Upper  
139 100  
109 32.9 23.0 34.4  
65 57.6 45.8 68.8

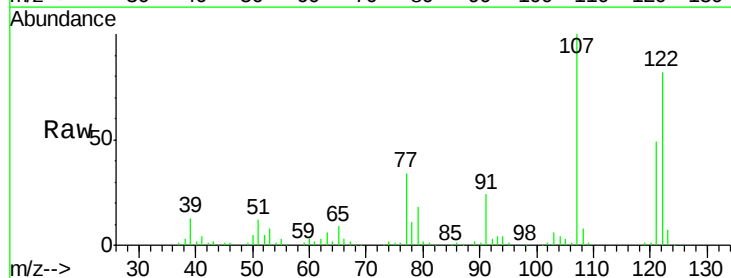


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): E

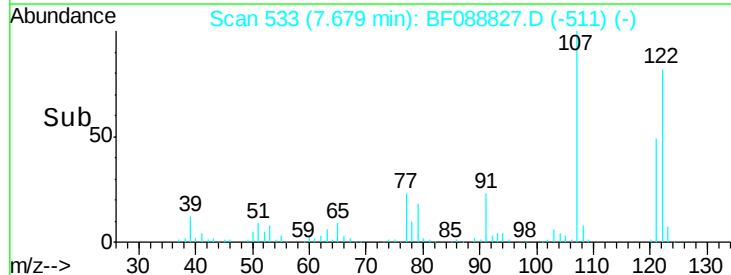
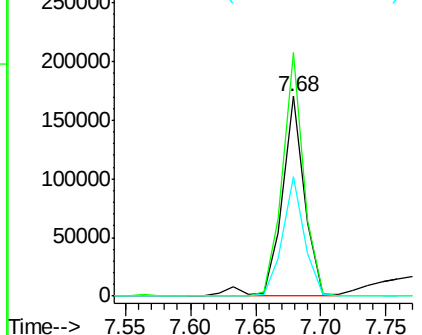


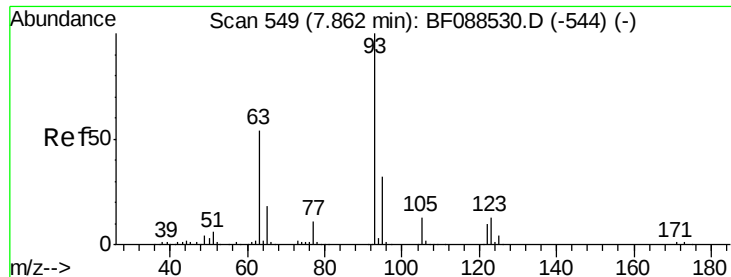
#27  
2,4-Dimethylphenol  
Concen: 36.82 ng  
RT: 7.68 min Scan# 533  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:122 Resp: 208775  
Ion Ratio Lower Upper  
122 100  
107 122.0 82.4 123.6  
121 59.6 46.3 69.5



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

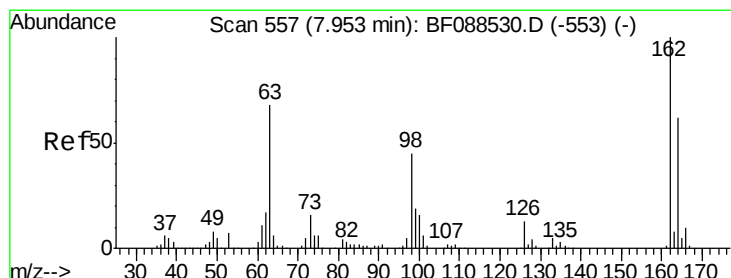
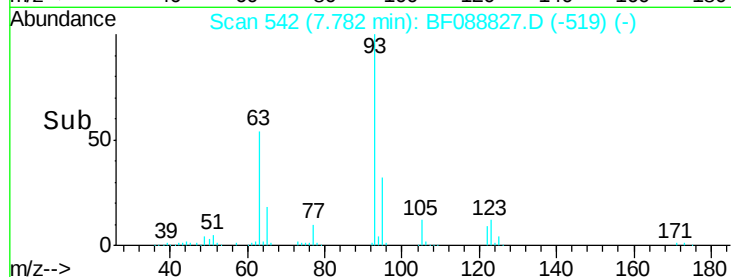
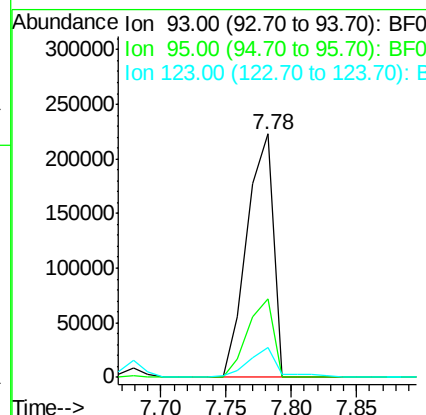
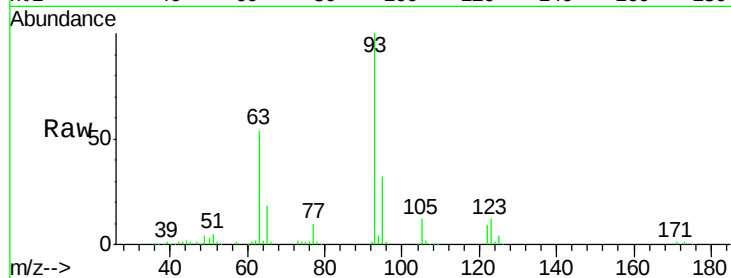




#28  
bis(2-Chloroethoxy)methane  
Concen: 39.50 ng  
RT: 7.78 min Scan# 542  
Delta R.T. -0.03 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

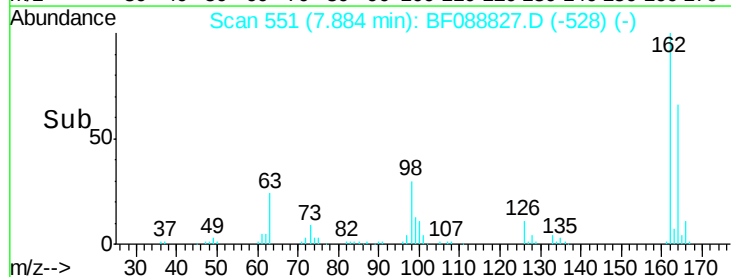
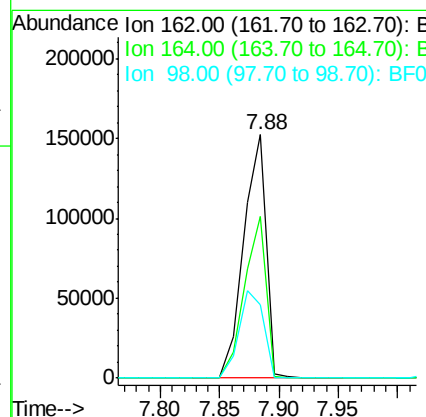
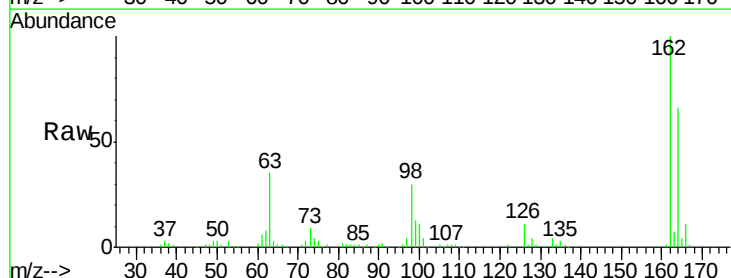
Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

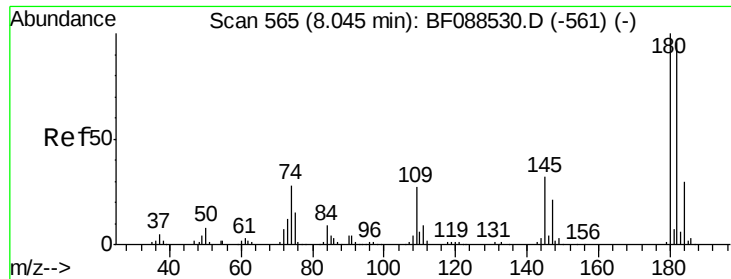
Tgt Ion: 93 Resp: 313572  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.5 39.7  
123 12.1 11.6 17.4



#29  
2,4-Dichlorophenol  
Concen: 43.76 ng  
RT: 7.88 min Scan# 551  
Delta R.T. -0.03 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion: 162 Resp: 200551  
Ion Ratio Lower Upper  
162 100  
164 66.4 43.8 83.8  
98 30.3 21.3 61.3

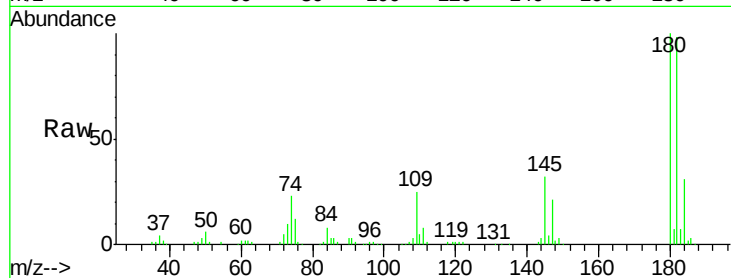




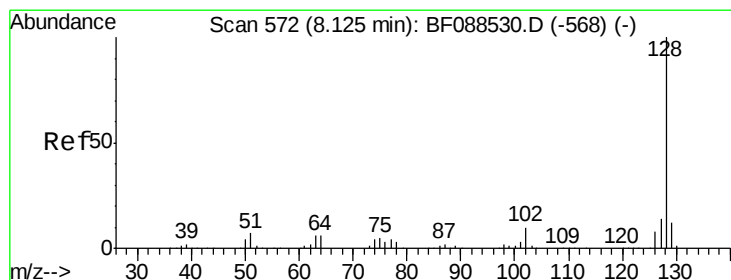
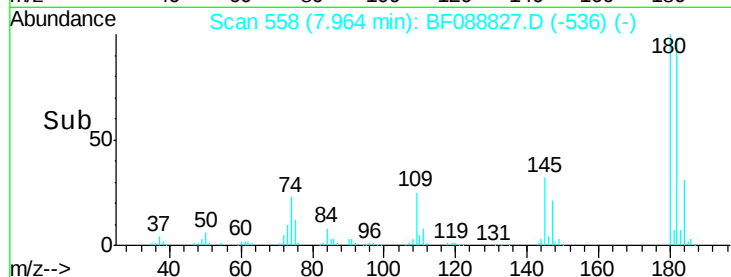
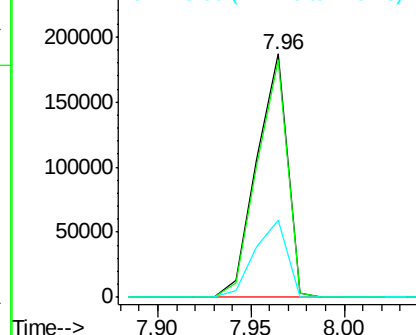
#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.10 ng  
 RT: 7.96 min Scan# 558  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

Tgt Ion:180 Resp: 211749  
 Ion Ratio Lower Upper  
 180 100  
 182 97.5 76.0 114.0  
 145 31.7 26.5 39.7

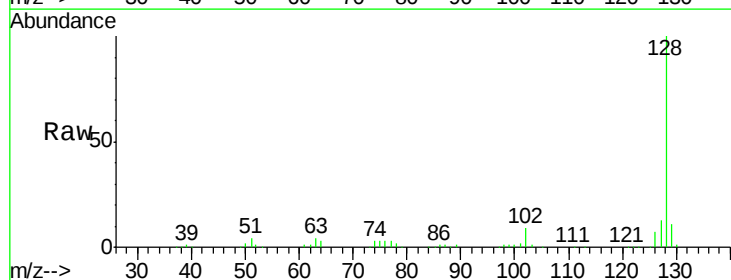


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

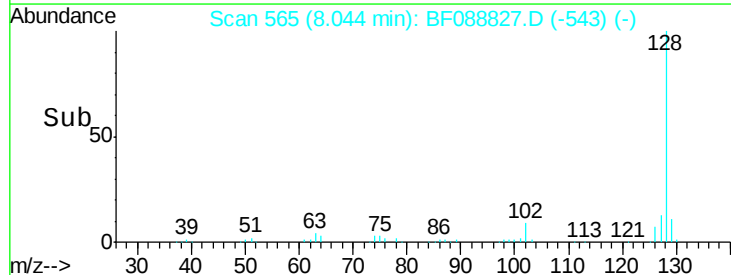
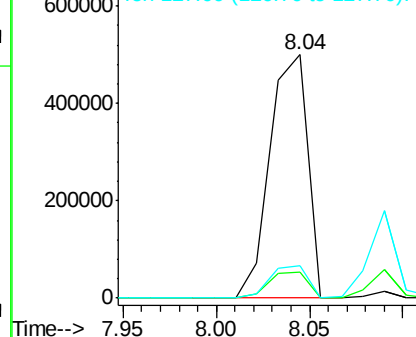


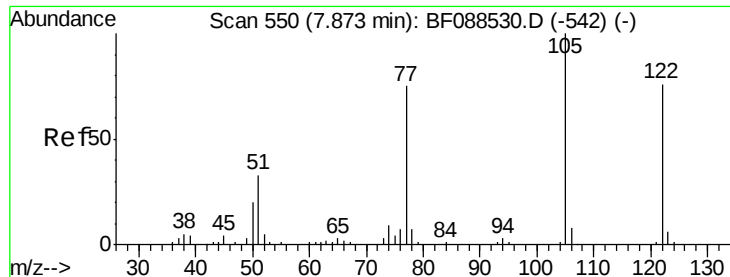
#31  
 Naphthalene  
 Concen: 41.21 ng  
 RT: 8.04 min Scan# 565  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:128 Resp: 701028  
 Ion Ratio Lower Upper  
 128 100  
 129 10.8 9.4 14.2  
 127 13.2 10.9 16.3



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





#32

Benzoic acid

Concen: 33.22 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

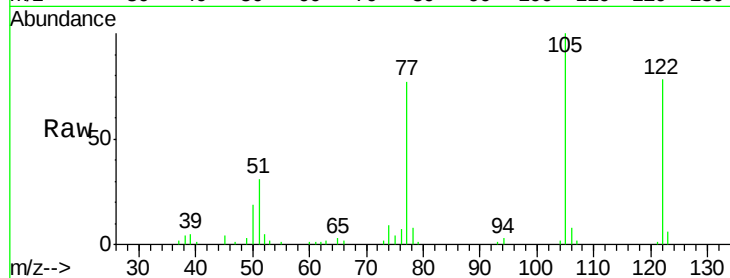
Tgt Ion:122 Resp: 136768

Ion Ratio Lower Upper

122 100

105 128.7 101.6 141.6

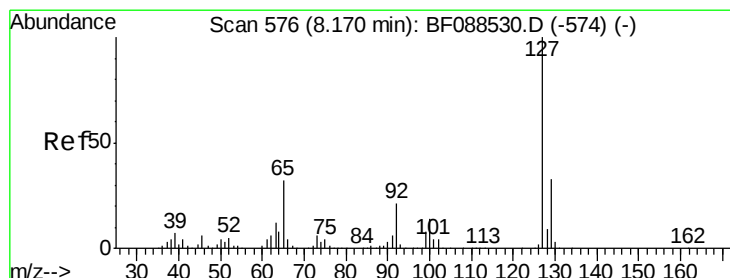
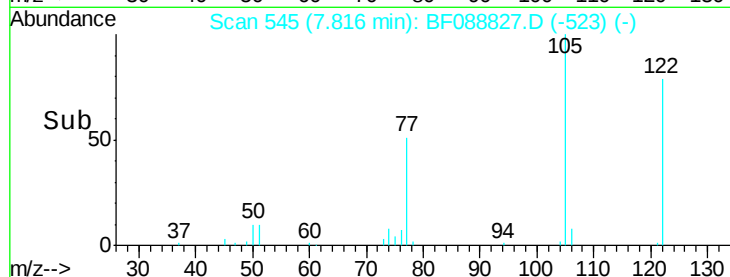
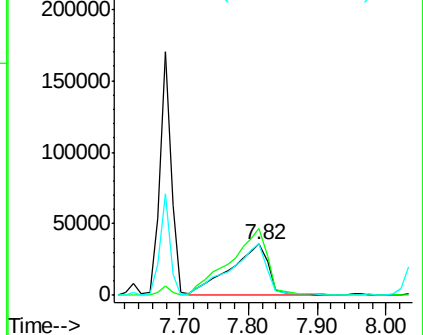
77 99.6 70.6 110.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 23.84 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Tgt Ion:127 Resp: 180472

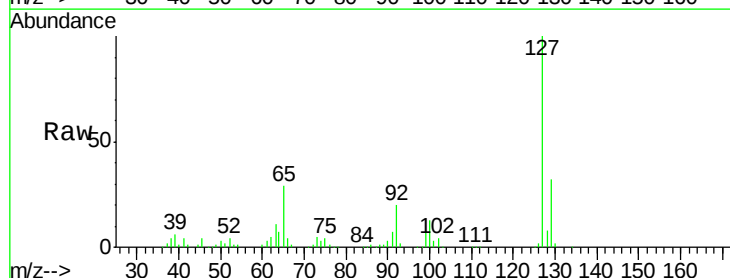
Ion Ratio Lower Upper

127 100

129 32.1 26.3 39.5

65 29.4 24.7 37.1

92 20.0 15.4 23.0

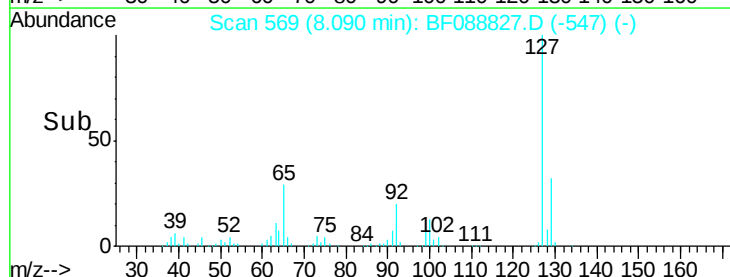
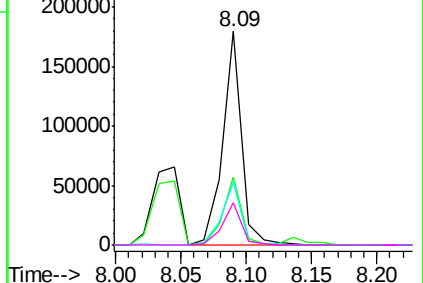


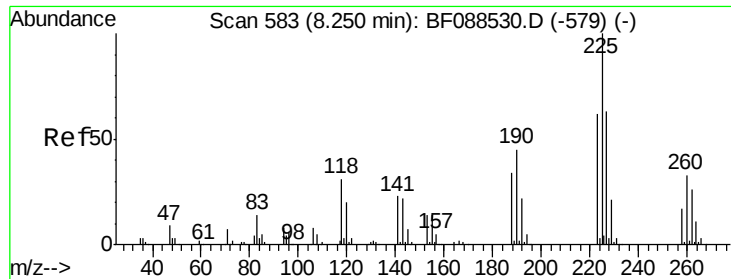
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

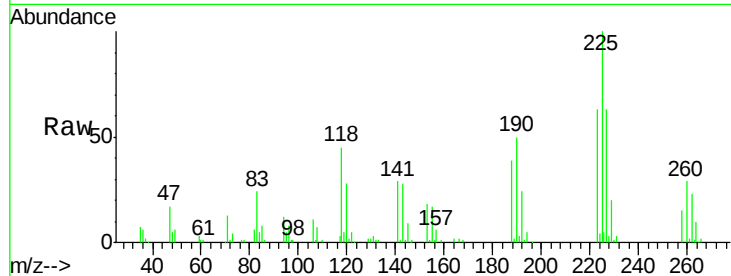




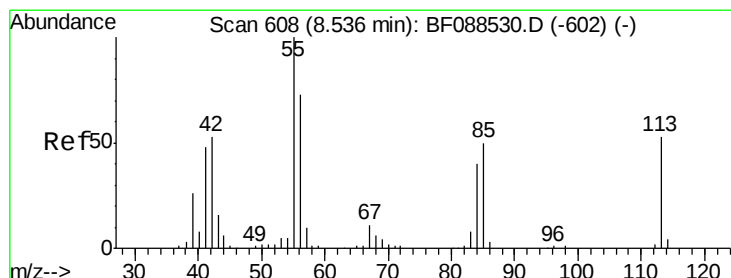
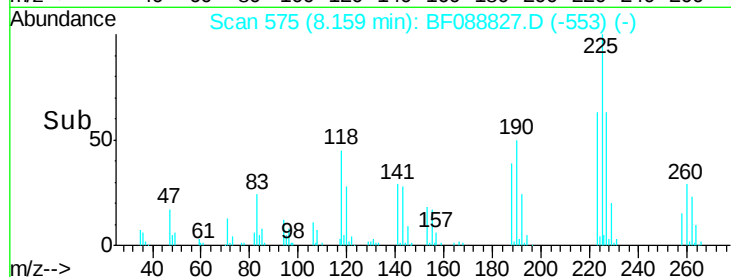
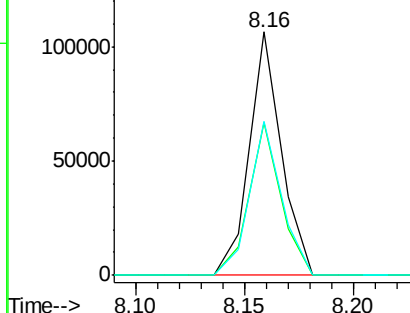
#34  
Hexachlorobutadiene  
Concen: 40.43 ng  
RT: 8.16 min Scan# 575  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

Tgt Ion:225 Resp: 108878  
Ion Ratio Lower Upper  
225 100  
223 62.7 50.9 76.3  
227 63.3 51.9 77.9

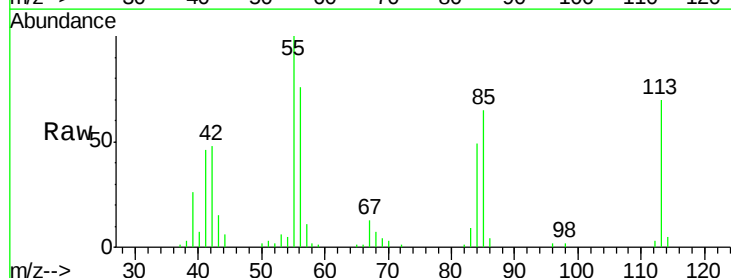


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

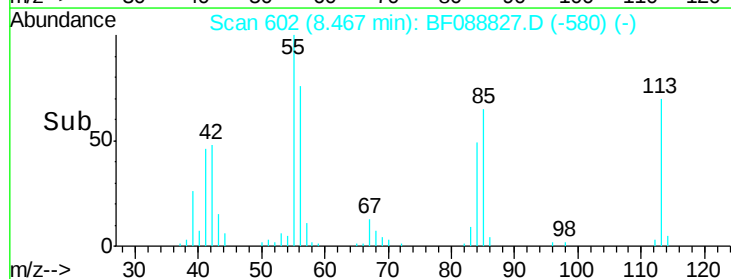
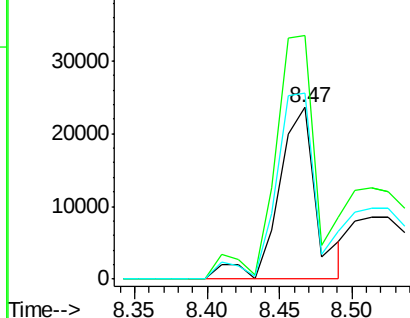


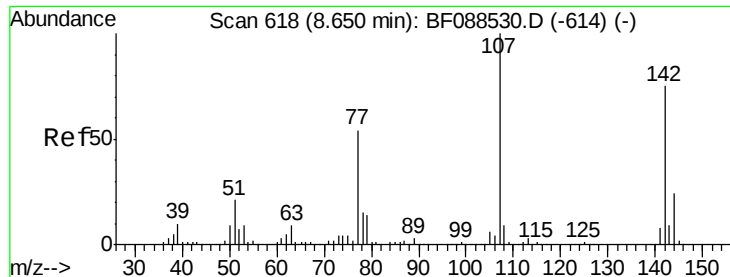
#35  
Caprolactam  
Concen: 27.50 ng  
RT: 8.47 min Scan# 602  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:113 Resp: 42799  
Ion Ratio Lower Upper  
113 100  
55 141.9 158.6 198.6#  
56 108.3 110.6 150.6#



Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

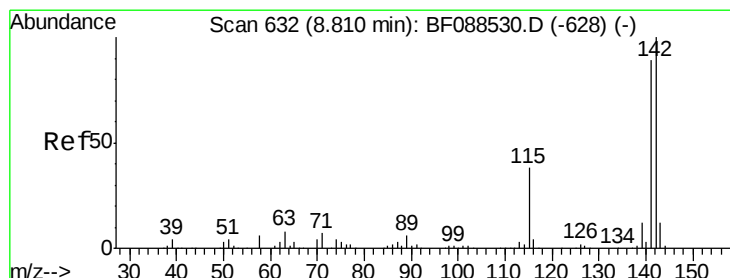
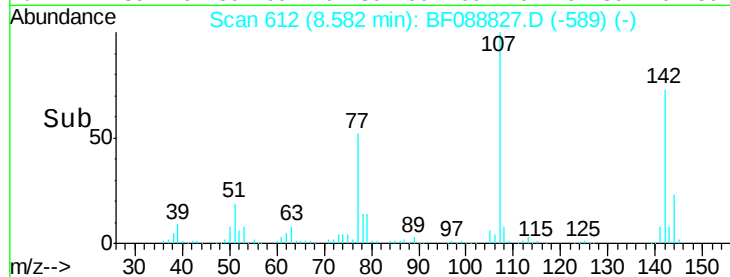
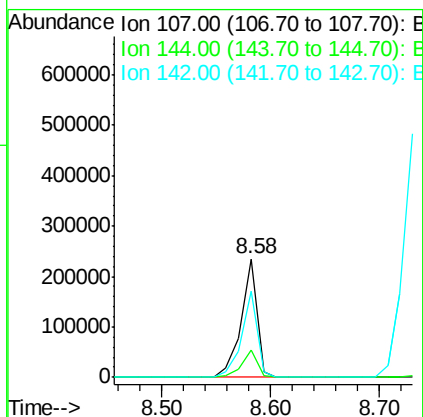
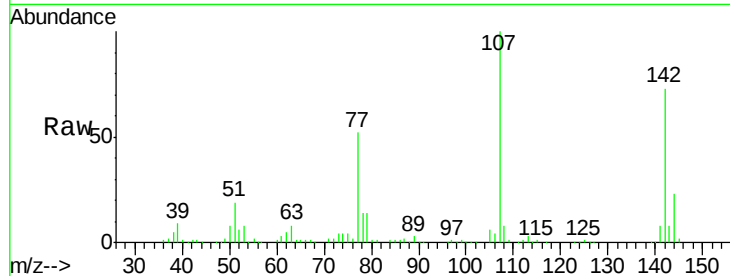




#36  
 4-Chloro-3-methylphenol  
 Concen: 43.83 ng  
 RT: 8.58 min Scan# 612  
 Delta R.T. -0.03 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

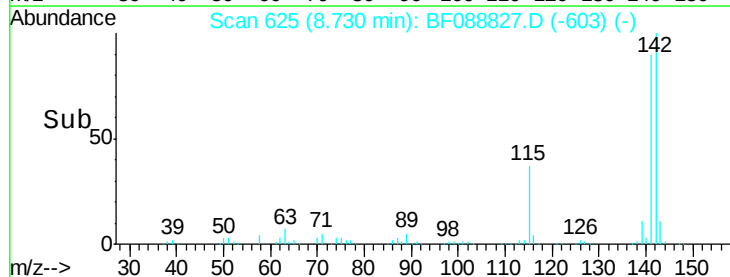
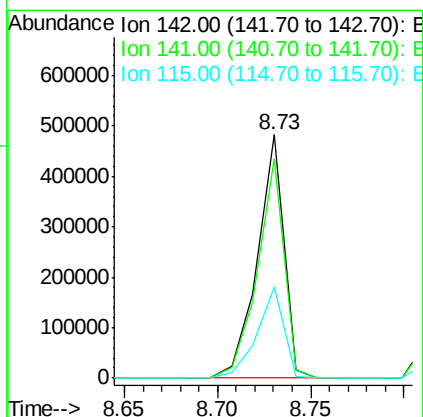
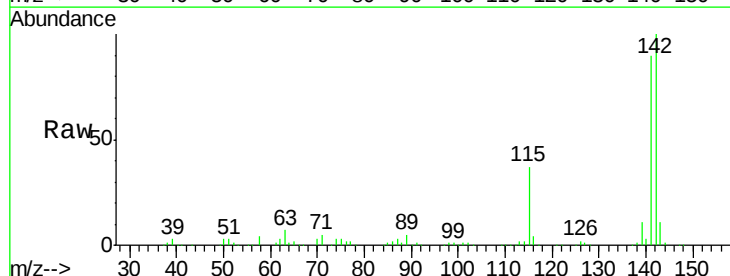
Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB91873BS

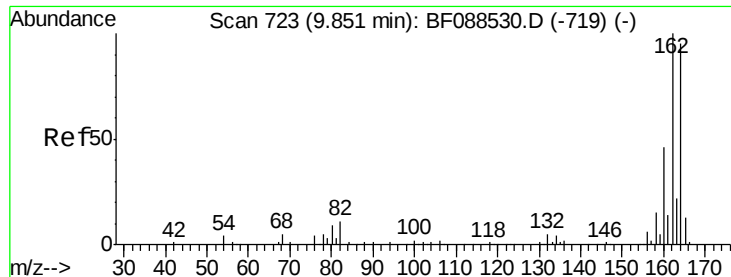
Tgt Ion:107 Resp: 237522  
 Ion Ratio Lower Upper  
 107 100  
 144 23.4 20.8 31.2  
 142 72.5 63.4 95.2



#37  
 2-Methylnaphthalene  
 Concen: 43.09 ng  
 RT: 8.73 min Scan# 625  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:142 Resp: 472030  
 Ion Ratio Lower Upper  
 142 100  
 141 90.0 71.0 106.6  
 115 37.5 22.6 33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

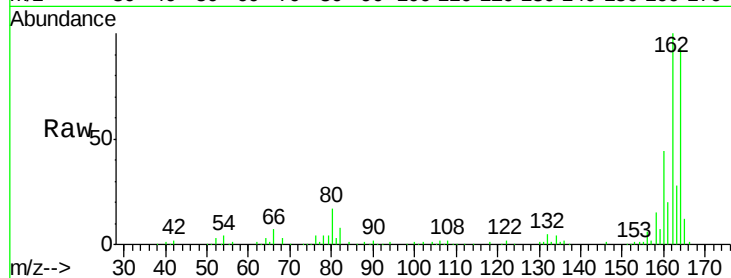
Tgt Ion:164 Resp: 167261

Ion Ratio Lower Upper

164 100

162 108.1 85.4 128.2

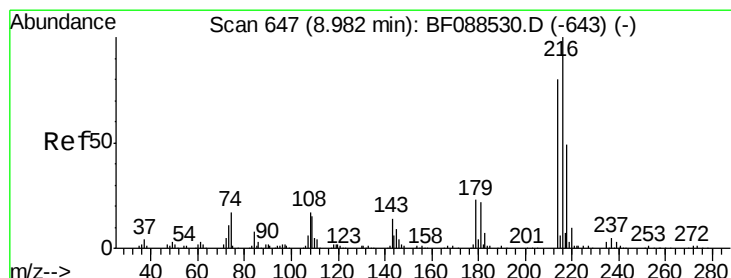
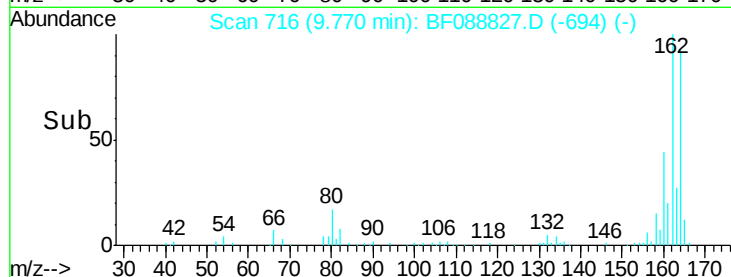
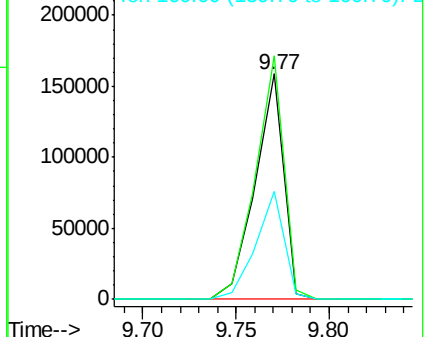
160 47.9 39.5 59.3



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.65 ng

RT: 8.90 min Scan# 640

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Tgt Ion:216 Resp: 198346

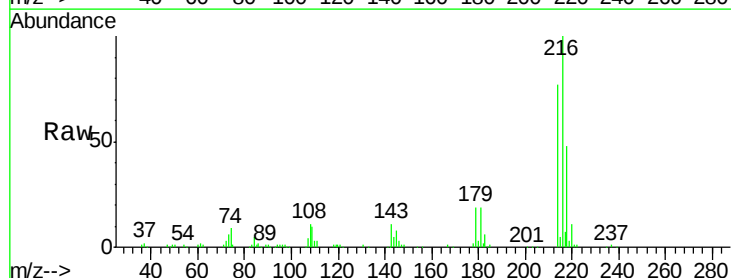
Ion Ratio Lower Upper

216 100

214 78.1 2.9 4.3#

179 22.4 0.0 0.0#

108 21.4 0.5 0.7#

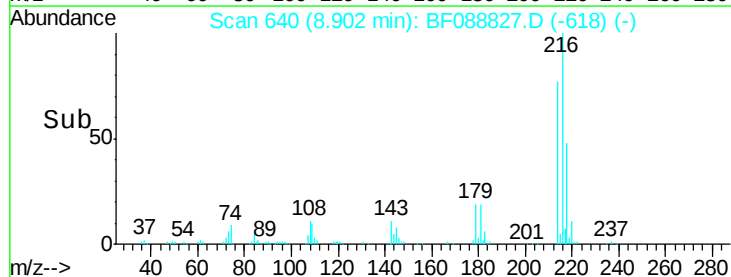
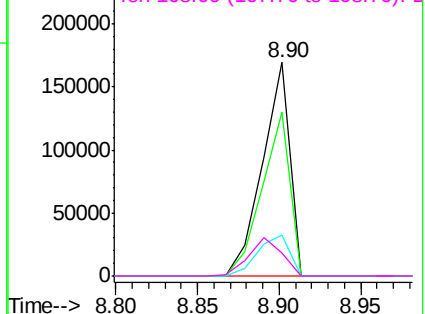


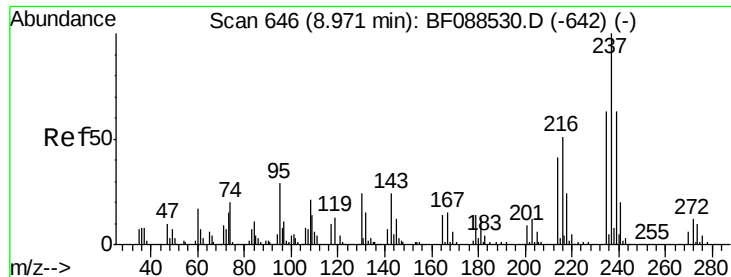
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

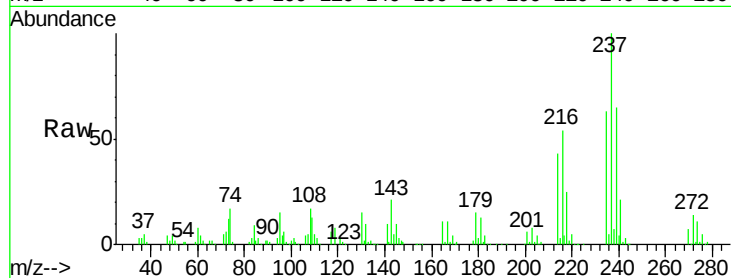




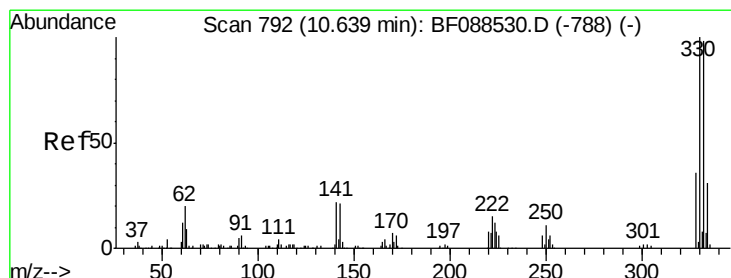
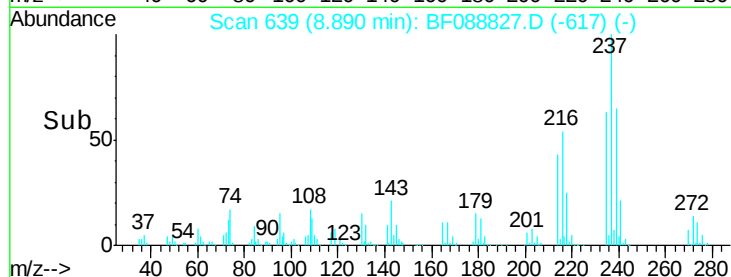
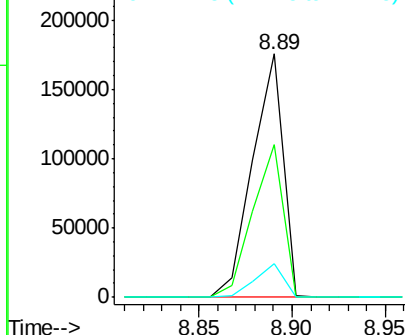
#40  
Hexachlorocyclopentadiene  
Concen: 72.65 ng  
RT: 8.89 min Scan# 639  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

Tgt Ion:237 Resp: 198372  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.4 83.4  
272 13.9 0.0 32.3

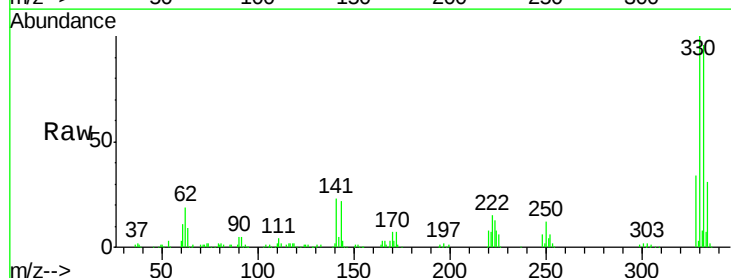


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

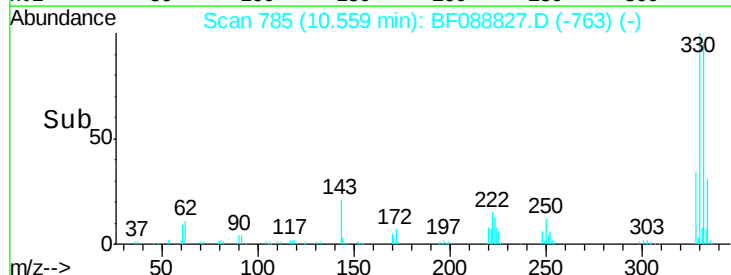
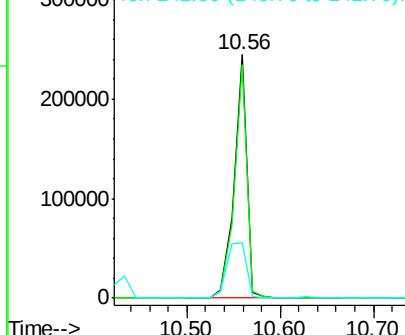


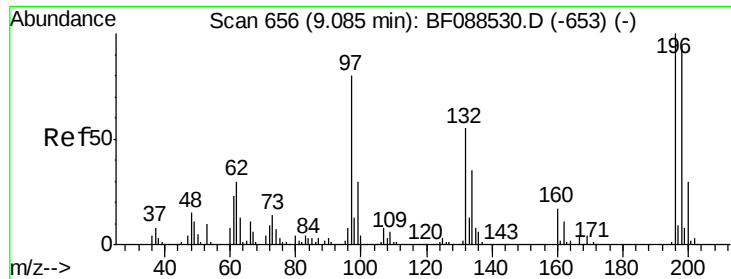
#41  
2,4,6-Tribromophenol  
Concen: 152.20 ng  
RT: 10.56 min Scan# 785  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:330 Resp: 236397  
Ion Ratio Lower Upper  
330 100  
332 94.9 0.0 0.0#  
141 34.8 0.0 0.0#



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

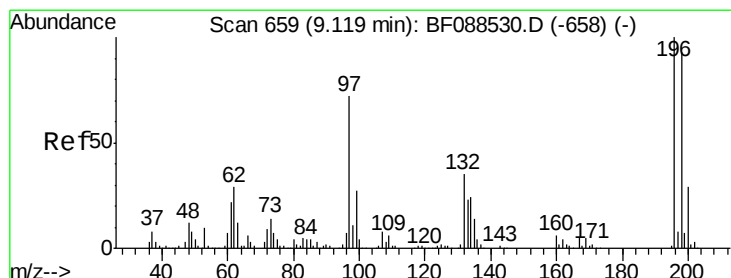
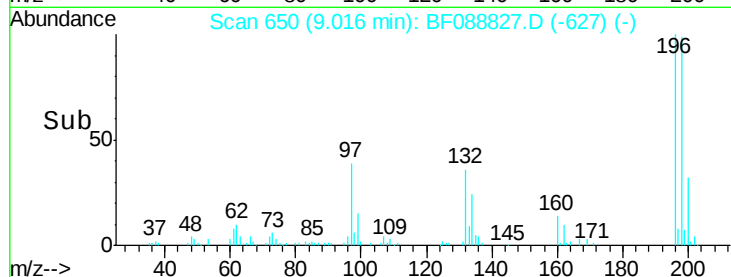
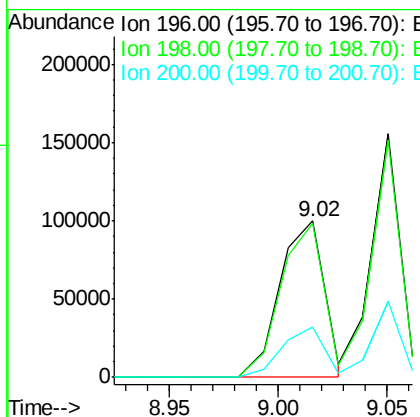
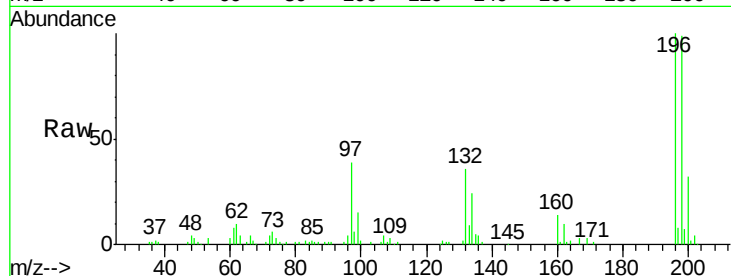




#42  
 2,4,6-Trichlorophenol  
 Concen: 39.03 ng  
 RT: 9.02 min Scan# 650  
 Delta R.T. -0.03 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

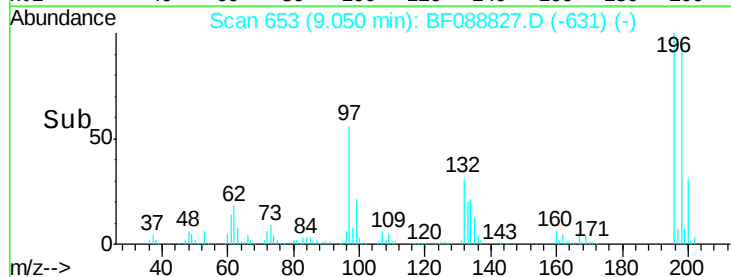
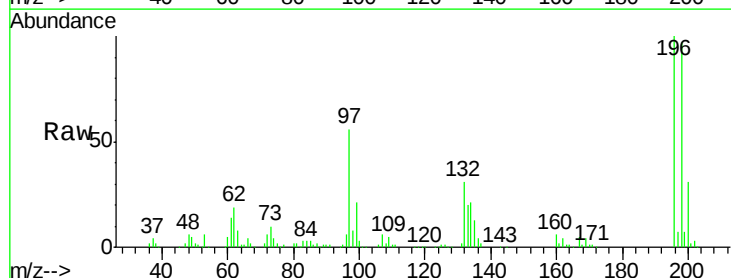
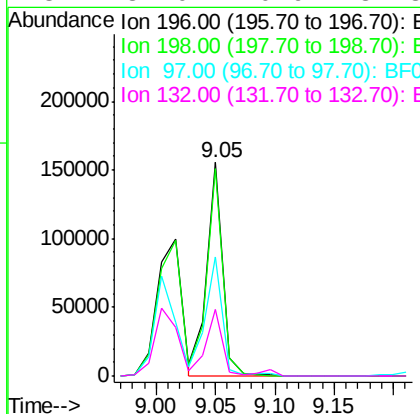
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

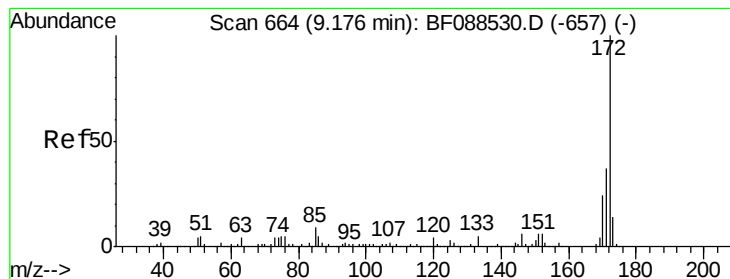
Tgt Ion:196 Resp: 143172  
 Ion Ratio Lower Upper  
 196 100  
 198 98.6 78.0 117.0  
 200 32.3 25.4 38.2



#43  
 2,4,5-Trichlorophenol  
 Concen: 46.24 ng  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:196 Resp: 145917  
 Ion Ratio Lower Upper  
 196 100  
 198 97.3 77.5 116.3  
 97 55.9 32.0 48.0#  
 132 31.0 20.9 31.3





#44

2-Fluorobiphenyl

Concen: 84.37 ng

RT: 9.10 min Scan# 657

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

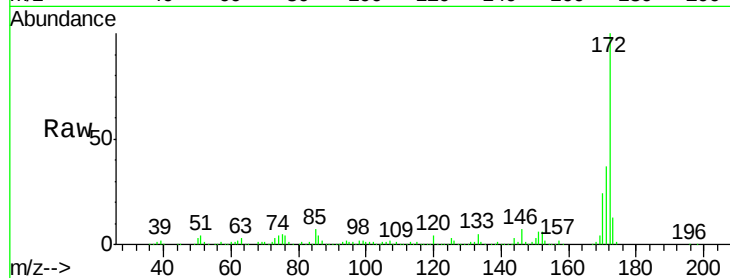
Tgt Ion:172 Resp: 893351

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

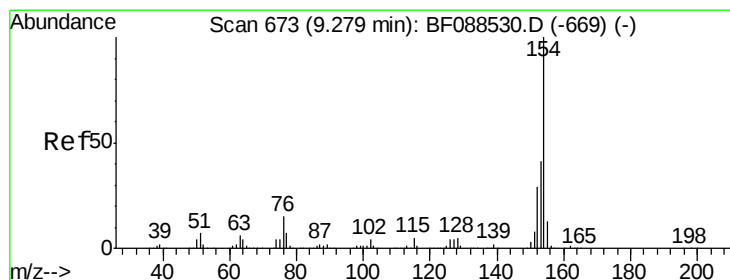
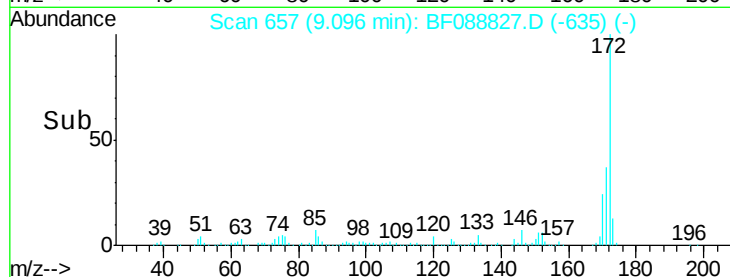
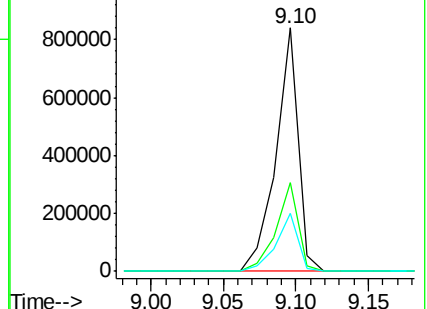
170 23.9 19.2 28.8



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



#45

1,1'-Biphenyl

Concen: 41.13 ng

RT: 9.20 min Scan# 666

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

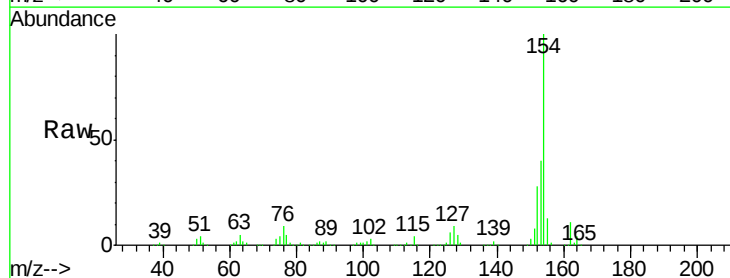
Tgt Ion:154 Resp: 569624

Ion Ratio Lower Upper

154 100

153 40.4 20.6 60.6

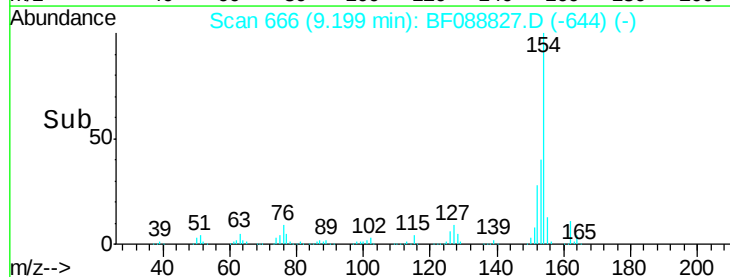
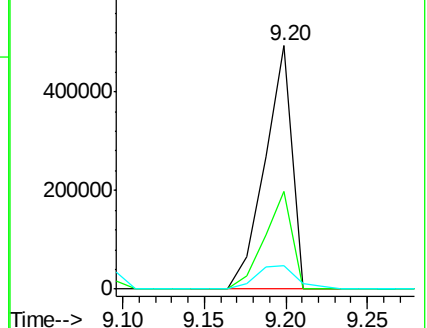
76 9.4 0.0 35.1

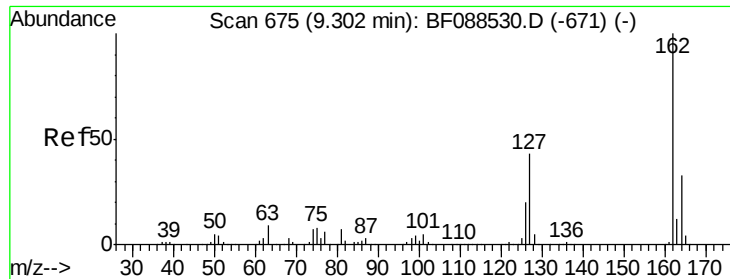


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

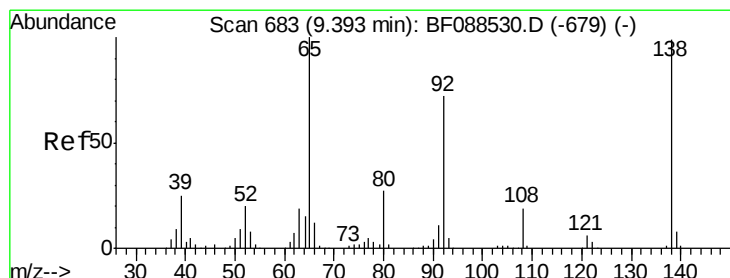
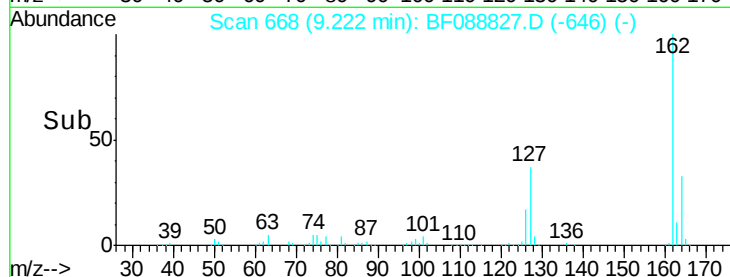
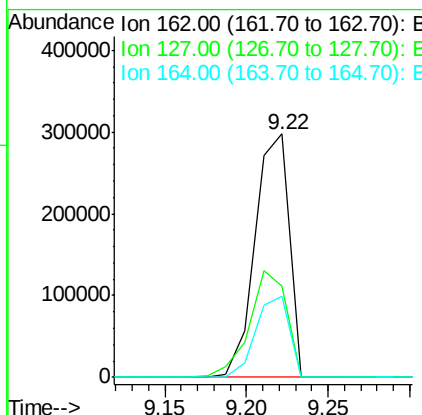
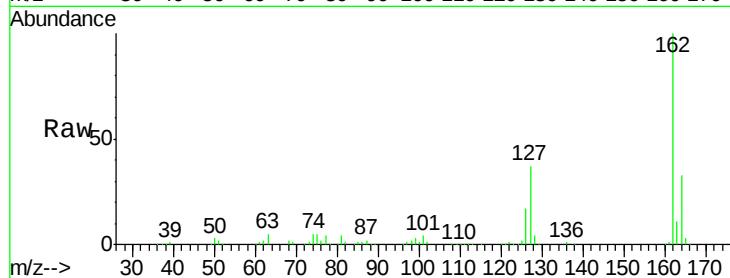




#46  
 2-Chloronaphthalene  
 Concen: 39.80 ng  
 RT: 9.22 min Scan# 668  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

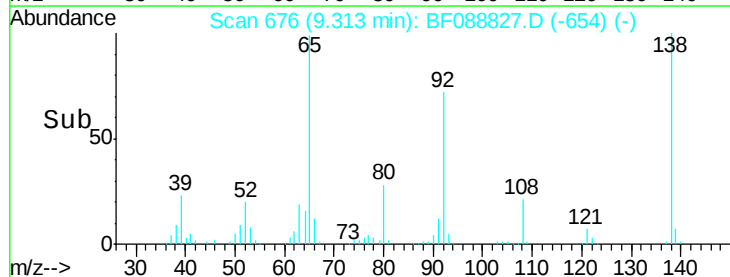
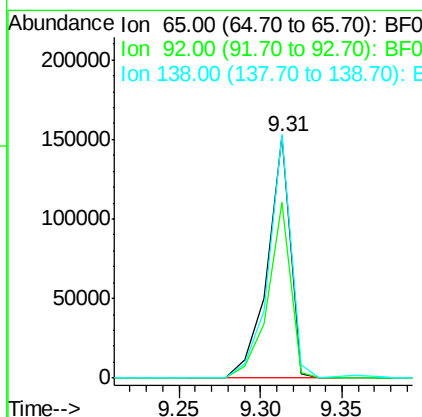
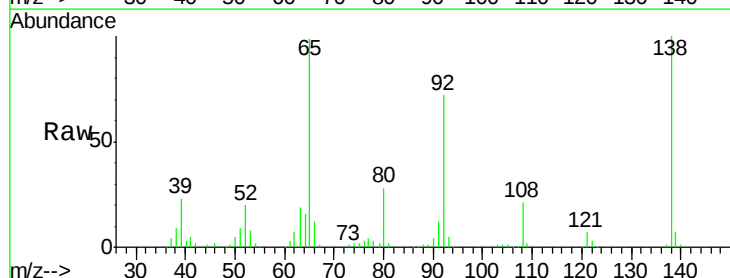
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

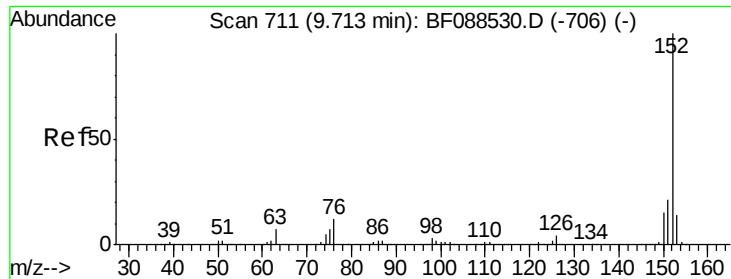
Tgt Ion: 162 Resp: 432790  
 Ion Ratio Lower Upper  
 162 100  
 127 37.3 35.2 52.8  
 164 33.4 26.6 39.8



#47  
 2-Nitroaniline  
 Concen: 38.52 ng  
 RT: 9.31 min Scan# 676  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion: 65 Resp: 148628  
 Ion Ratio Lower Upper  
 65 100  
 92 72.8 54.6 82.0  
 138 100.5 77.0 115.4





#48

Acenaphthylene

Concen: 42.72 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

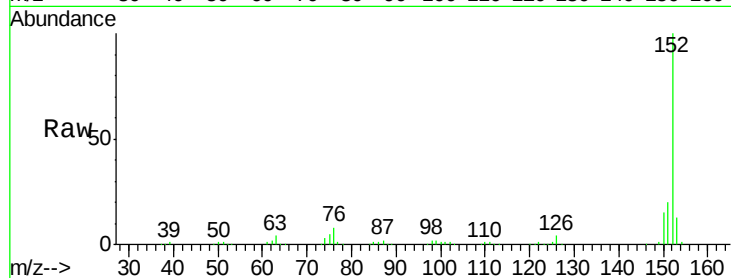
Tgt Ion:152 Resp: 739138

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

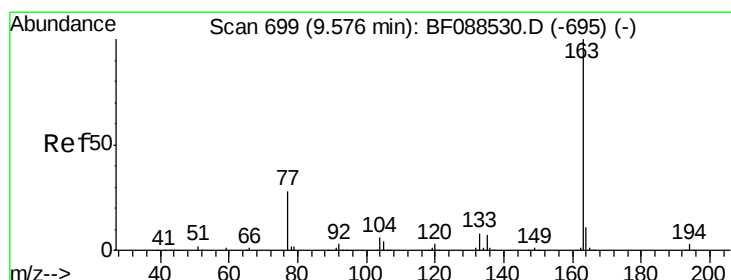
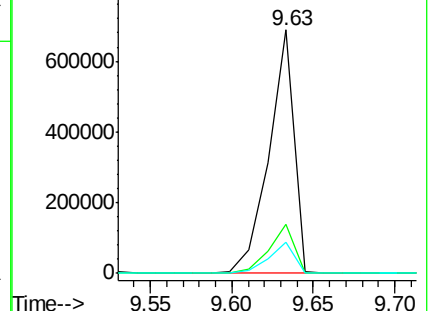
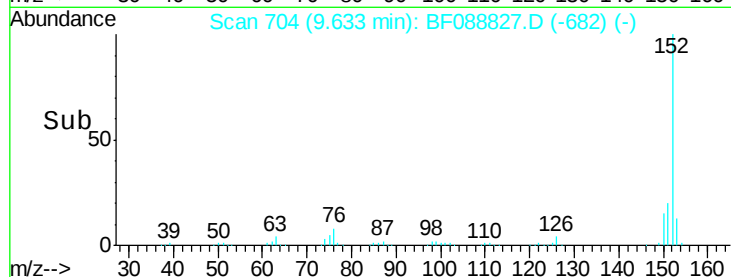
153 12.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 46.04 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

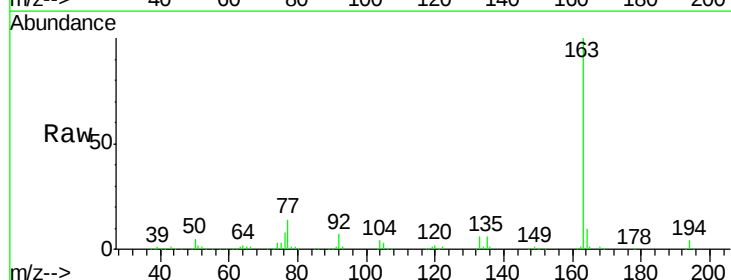
Tgt Ion:163 Resp: 548650

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

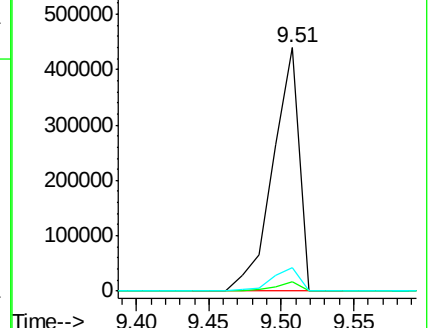
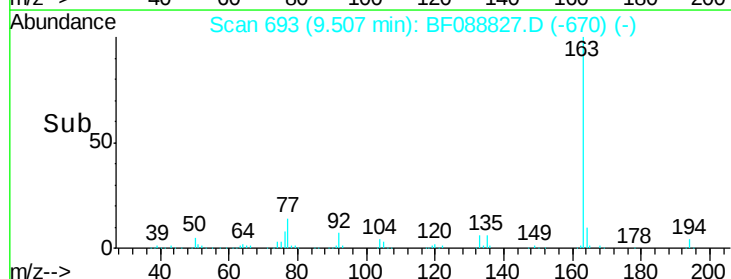
164 9.5 8.3 12.5

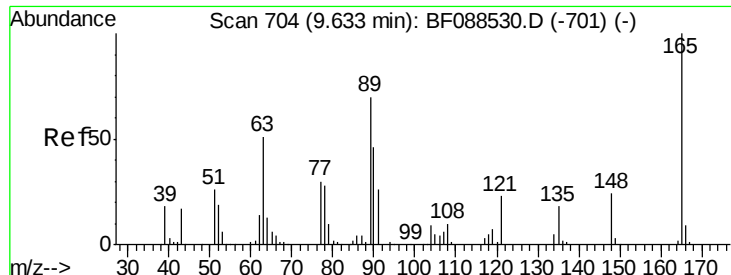


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

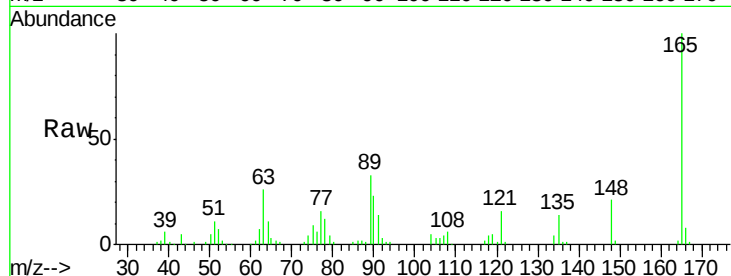




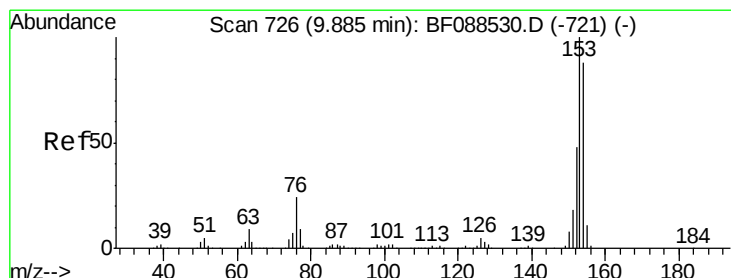
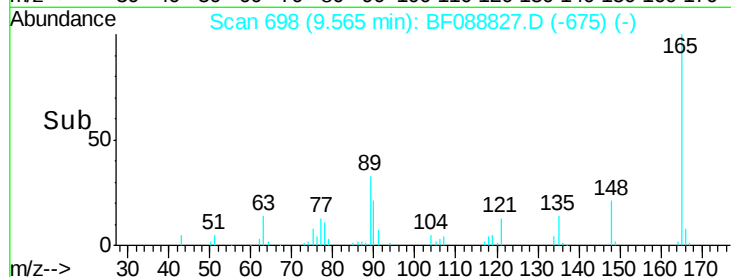
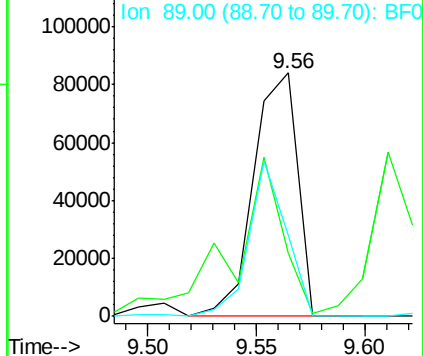
#50  
2,6-Dinitrotoluene  
Concen: 44.83 ng  
RT: 9.56 min Scan# 698  
Delta R.T. -0.03 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

Tgt Ion:165 Resp: 118398  
Ion Ratio Lower Upper  
165 100  
63 25.8 28.1 42.1#  
89 33.4 32.2 48.2

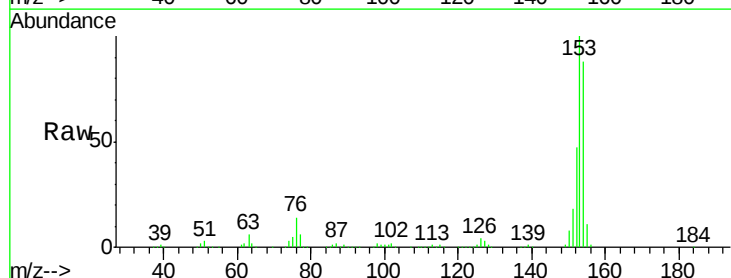


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

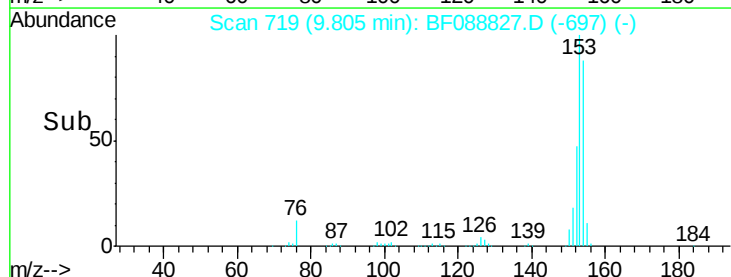
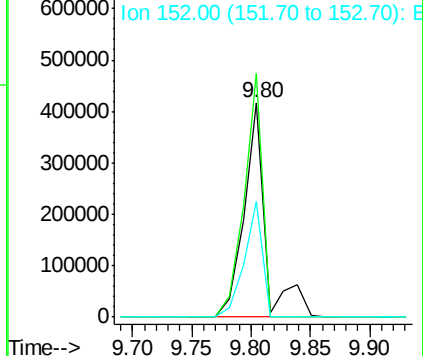


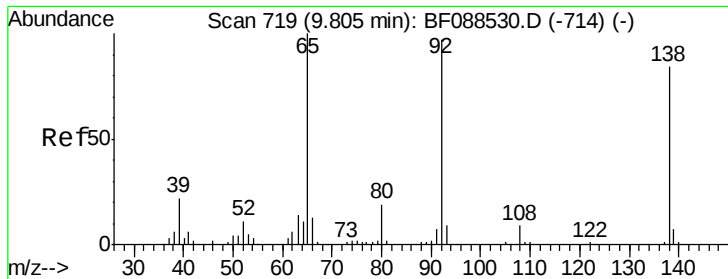
#51  
Acenaphthene  
Concen: 49.74 ng  
RT: 9.80 min Scan# 719  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:154 Resp: 527442  
Ion Ratio Lower Upper  
154 100  
153 113.4 89.5 134.3  
152 53.8 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 26.26 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

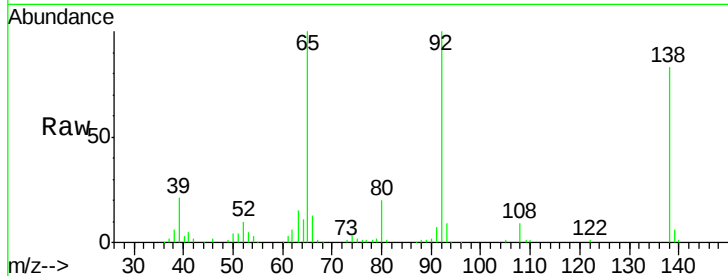
Tgt Ion:138 Resp: 88177

Ion Ratio Lower Upper

138 100

108 11.1 8.5 12.7

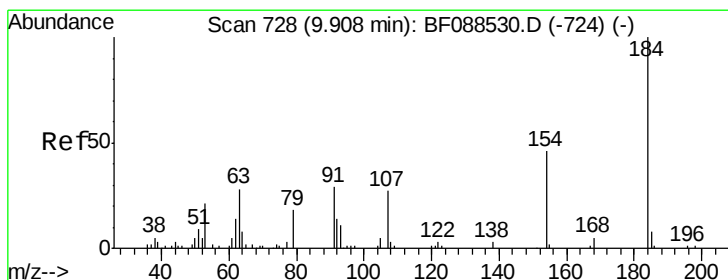
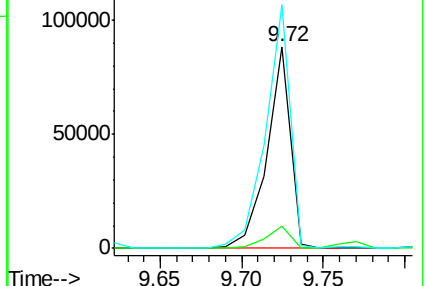
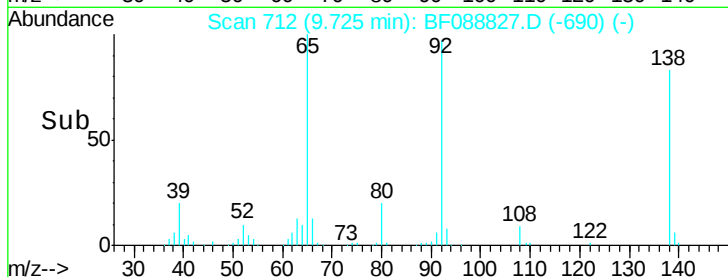
92 120.6 95.7 143.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E



#53

2,4-Dinitrophenol

Concen: 110.83 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

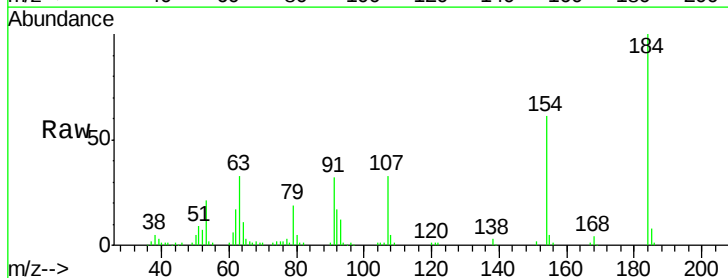
Tgt Ion:184 Resp: 129237

Ion Ratio Lower Upper

184 100

63 33.5 57.6 86.4#

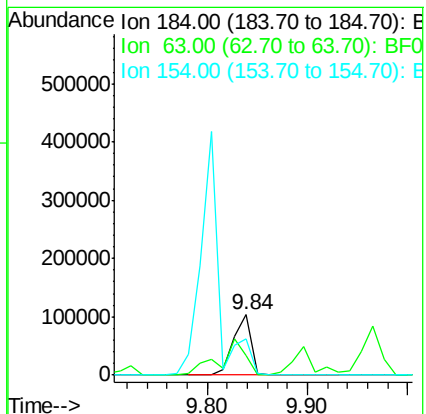
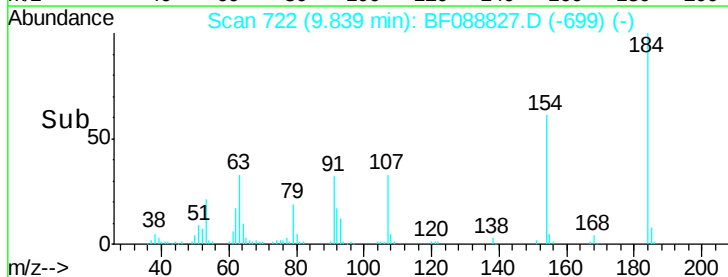
154 61.2 53.5 80.3

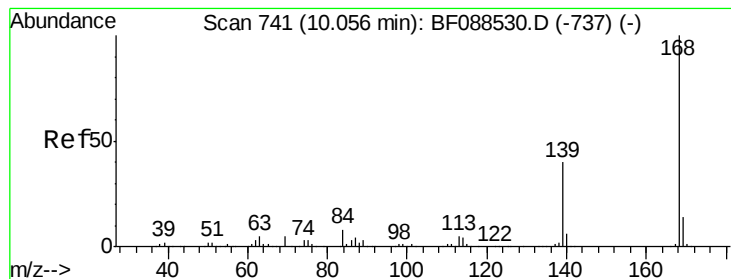


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 46.88 ng

RT: 9.98 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

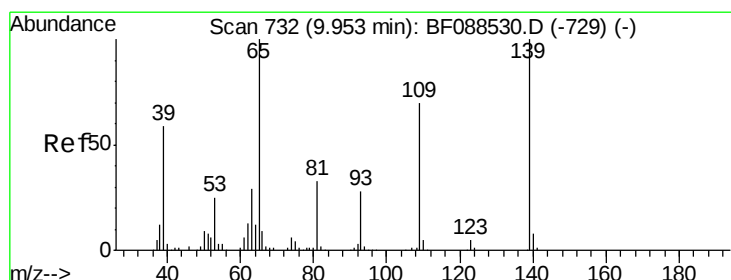
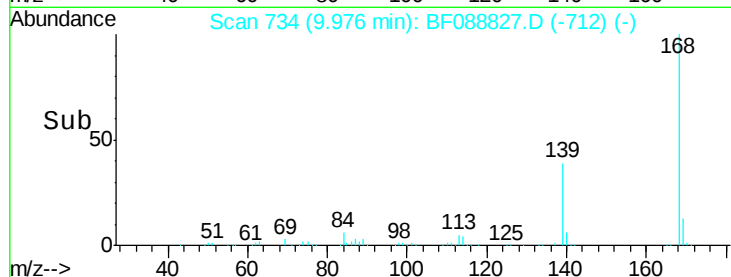
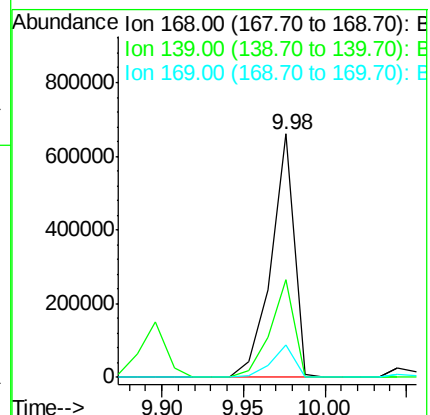
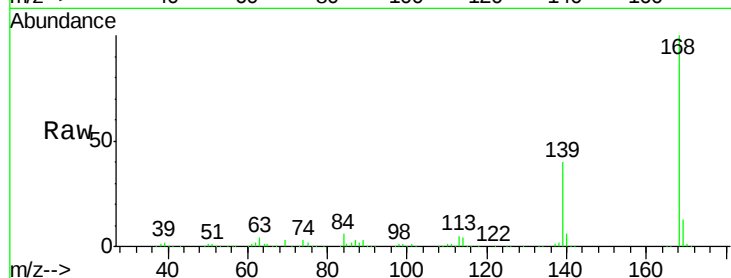
Tgt Ion:168 Resp: 650727

Ion Ratio Lower Upper

168 100

139 40.1 26.4 39.6#

169 13.2 10.4 15.6



#55

4-Nitrophenol

Concen: 67.01 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

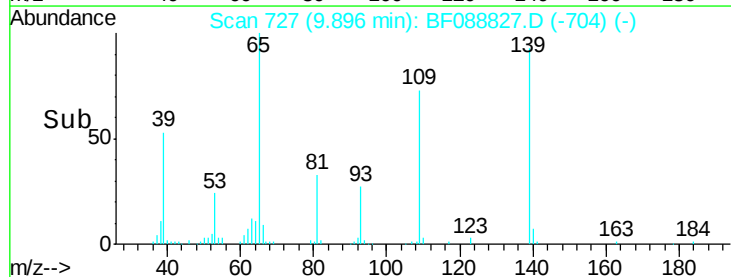
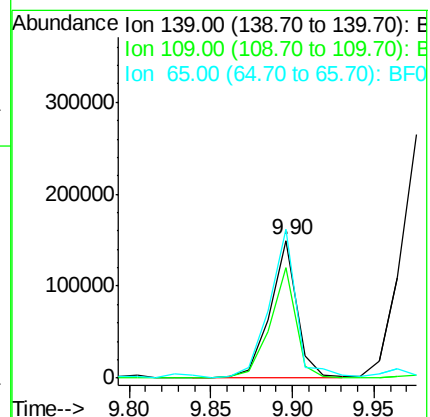
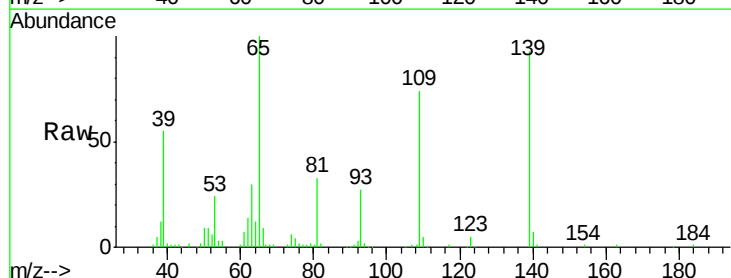
Tgt Ion:139 Resp: 170973

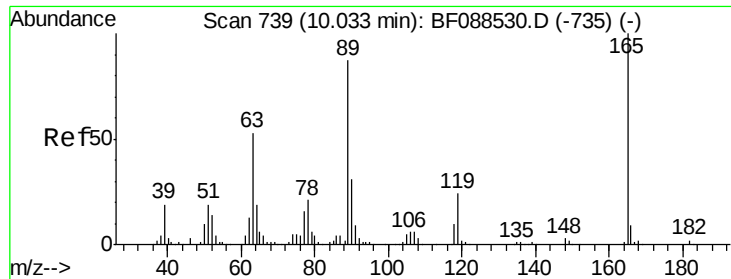
Ion Ratio Lower Upper

139 100

109 80.1 48.9 88.9

65 107.9 84.9 124.9





#56

2,4-Dinitrotoluene

Concen: 50.31 ng

RT: 9.96 min Scan# 733

Delta R.T. -0.03 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

Tgt Ion:165 Resp: 173714

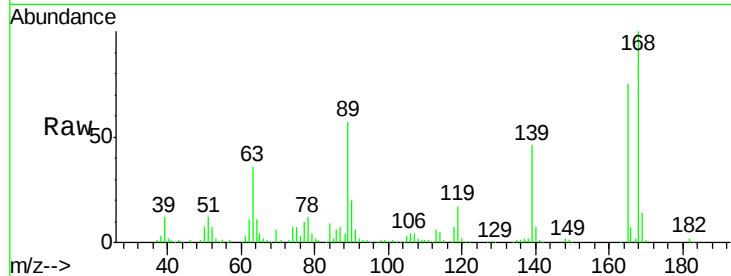
Ion Ratio Lower Upper

165 100

63 47.6 22.0 33.0#

89 76.0 41.1 61.7#

182 2.5 2.0 3.0

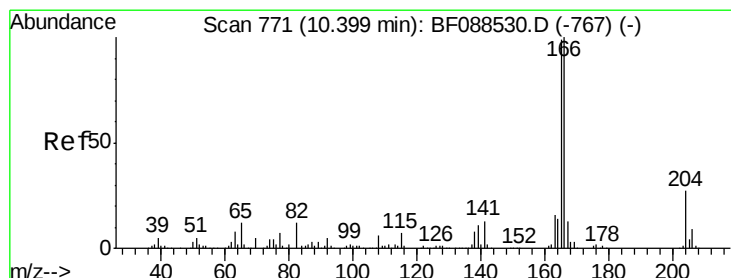
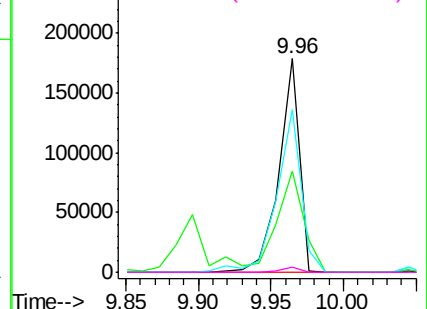
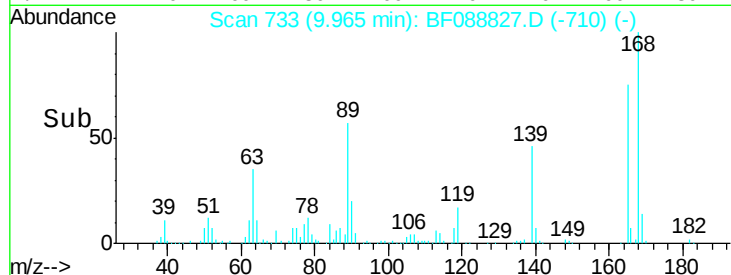


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 45.77 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

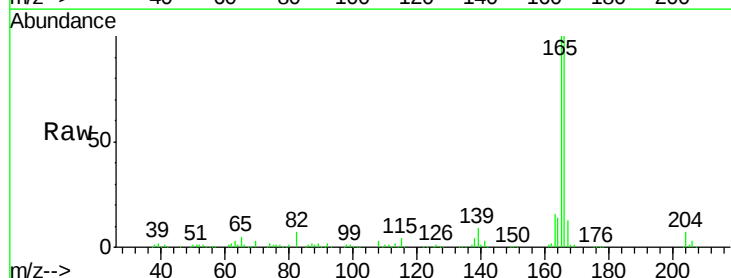
Tgt Ion:166 Resp: 489547

Ion Ratio Lower Upper

166 100

165 99.8 77.8 116.8

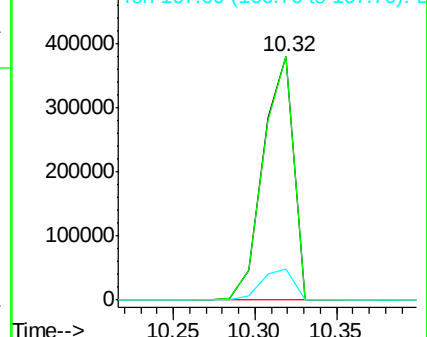
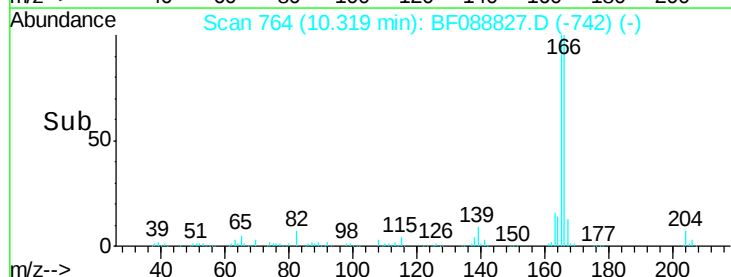
167 13.0 11.2 16.8

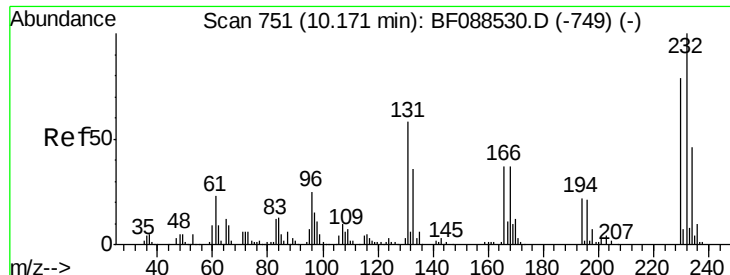


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

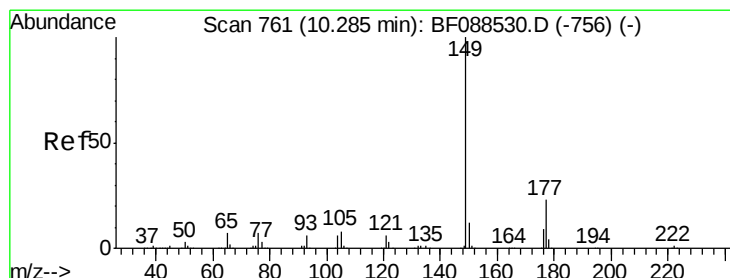
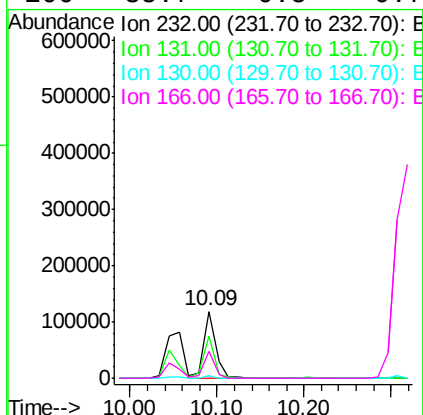
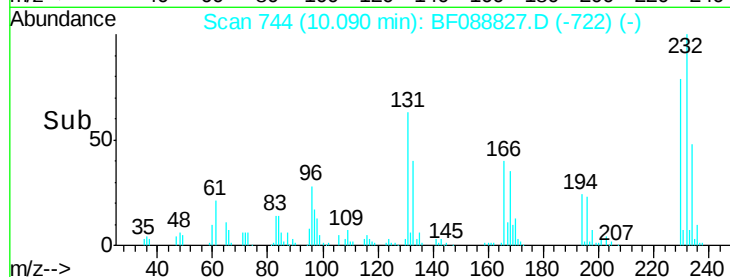
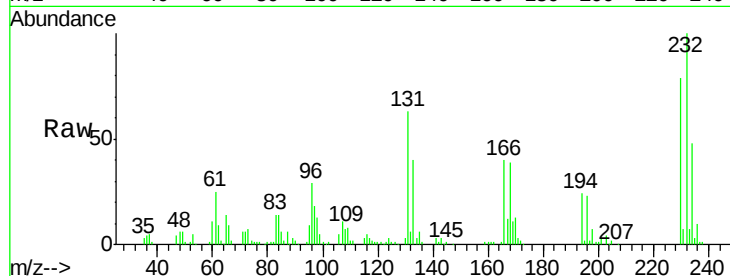




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.98 ng  
 RT: 10.09 min Scan# 744  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

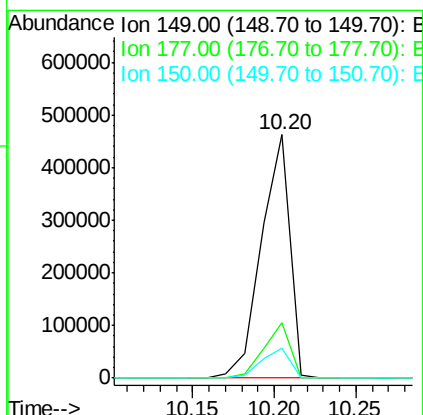
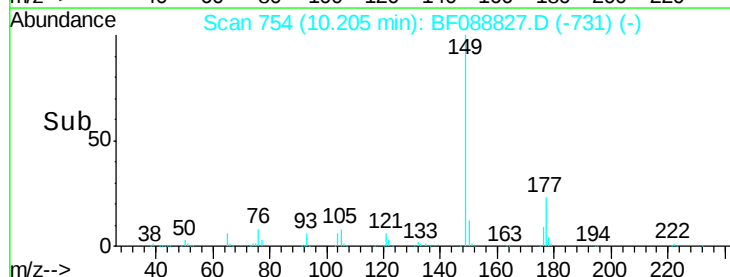
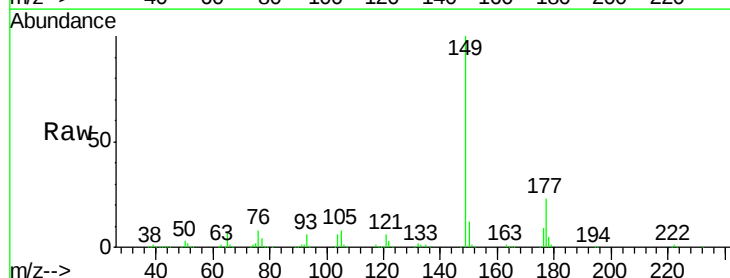
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

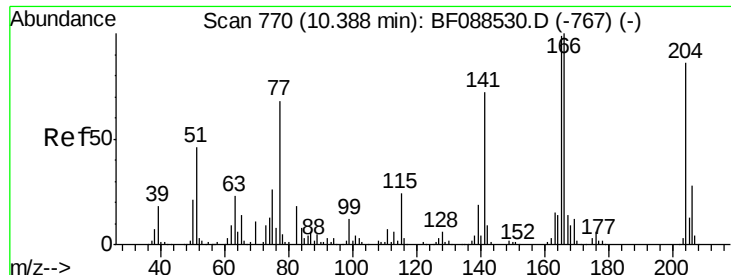
Tgt Ion: 232 Resp: 114716  
 Ion Ratio Lower Upper  
 232 100  
 131 57.2 0.9 1.3#  
 130 2.9 1.5 2.3#  
 166 35.7 0.5 0.7#



#59  
 Diethylphthalate  
 Concen: 46.84 ng  
 RT: 10.20 min Scan# 754  
 Delta R.T. -0.03 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion: 149 Resp: 560104  
 Ion Ratio Lower Upper  
 149 100  
 177 22.8 16.9 25.3  
 150 12.3 10.1 15.1

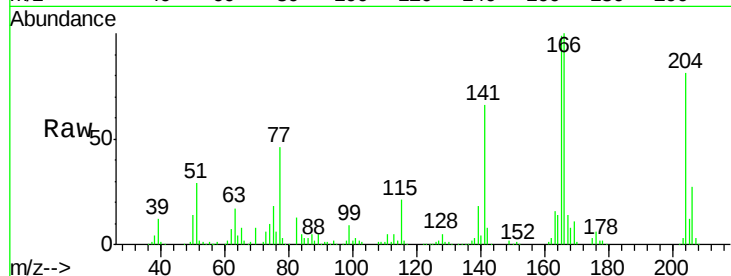




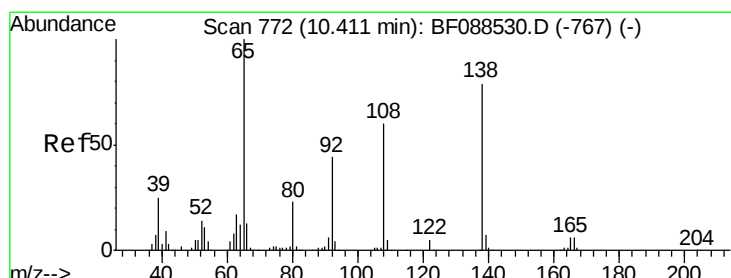
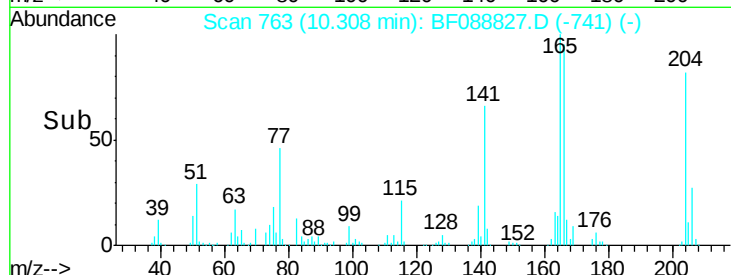
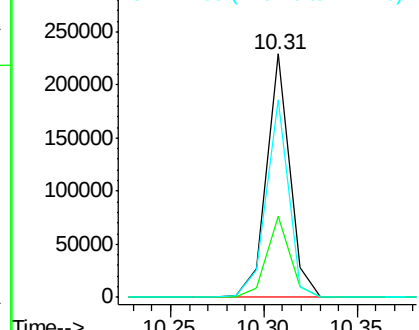
#60  
 4-Chlorophenyl-phenylether  
 Concen: 39.52 ng  
 RT: 10.31 min Scan# 763  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

Tgt Ion: 204 Resp: 196427  
 Ion Ratio Lower Upper  
 204 100  
 206 33.1 26.3 39.5  
 141 81.3 55.0 82.6

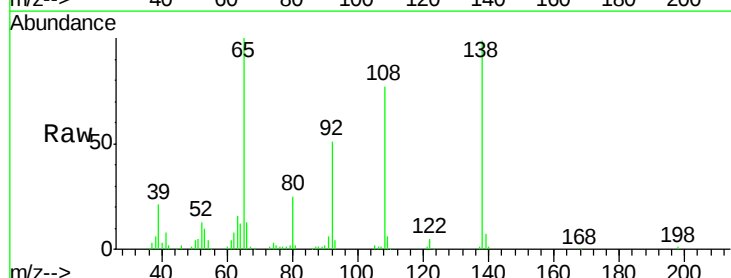


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

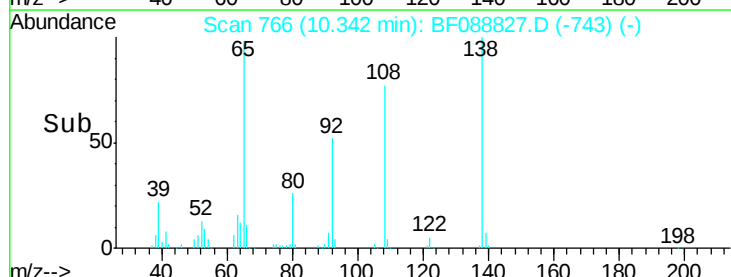
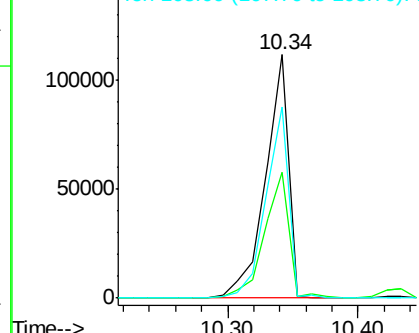


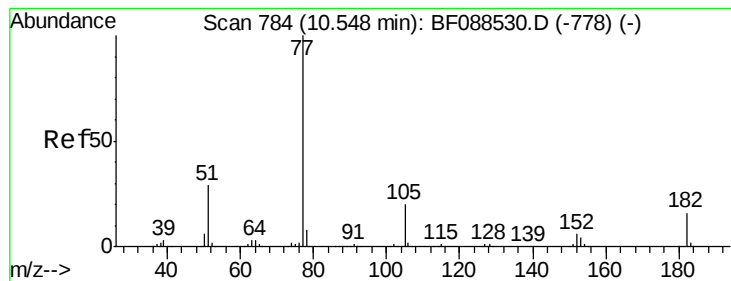
#61  
 4-Nitroaniline  
 Concen: 42.80 ng  
 RT: 10.34 min Scan# 766  
 Delta R.T. -0.03 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion: 138 Resp: 138267  
 Ion Ratio Lower Upper  
 138 100  
 92 51.9 27.3 67.3  
 108 78.3 46.7 86.7



Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 92.00 (91.70 to 92.70): BF0  
 Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 43.67 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

Tgt Ion: 77 Resp: 595706

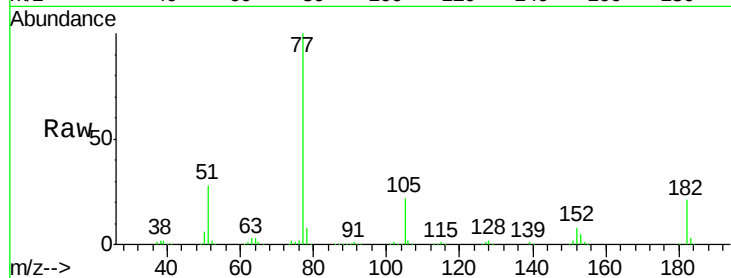
Ion Ratio Lower Upper

77 100

182 20.5 4.4 44.4

105 21.7 3.8 43.8

51 27.8 9.3 49.3

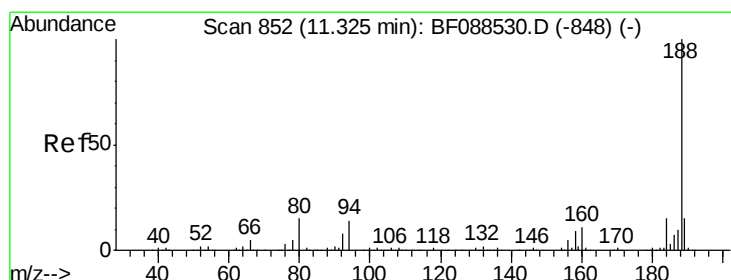
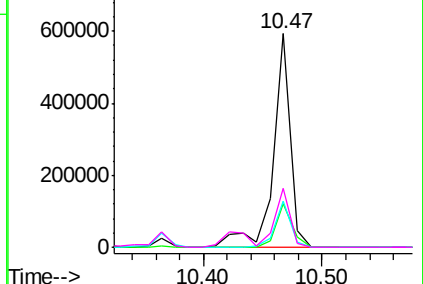
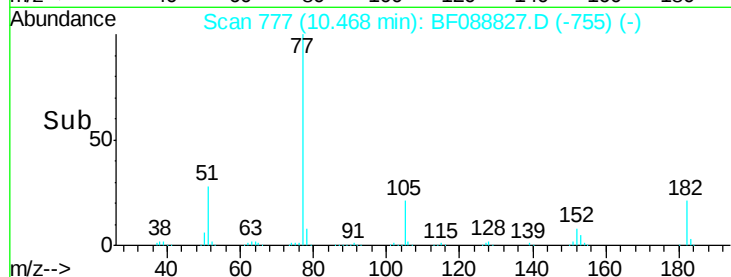


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 845

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

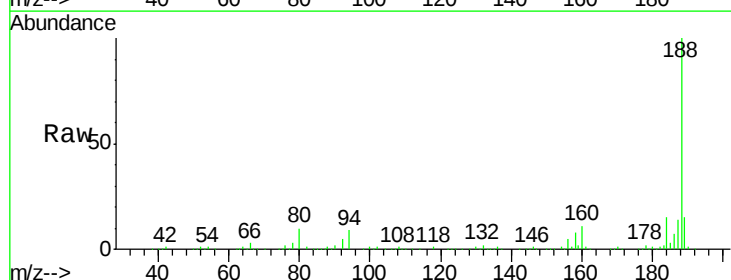
Tgt Ion: 188 Resp: 329712

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.6#

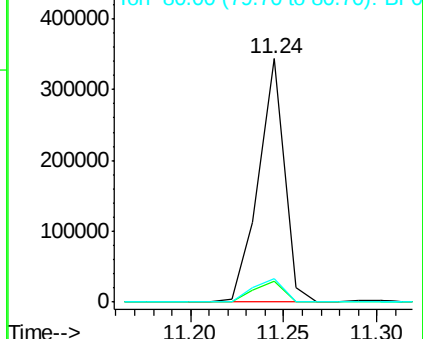
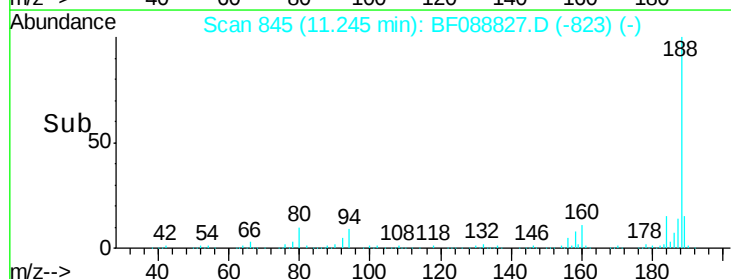
80 9.7 10.0 15.0#

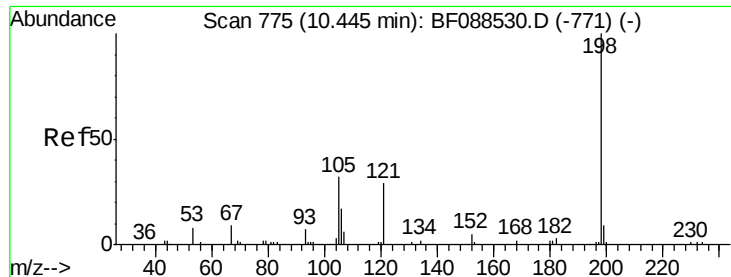


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

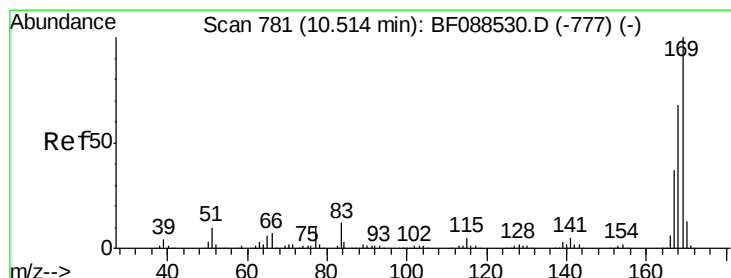
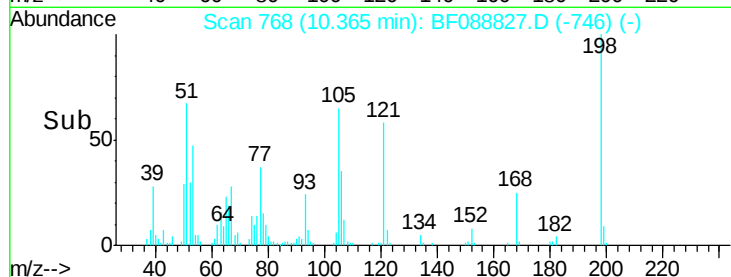
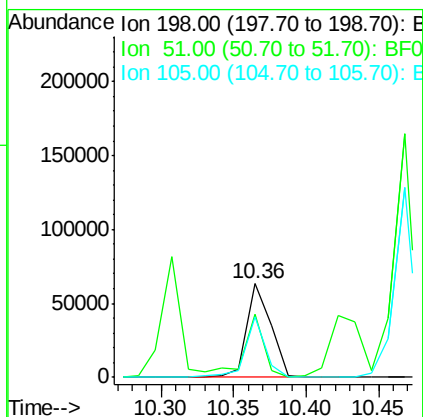
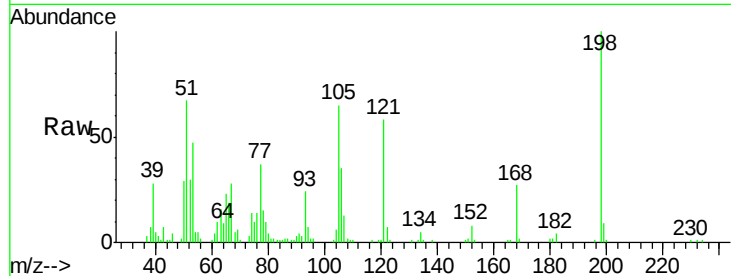




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 41.52 ng  
 RT: 10.36 min Scan# 768  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

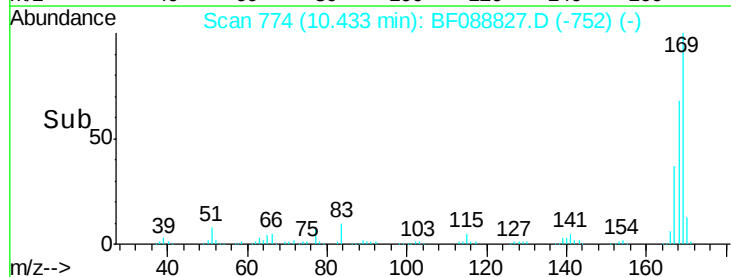
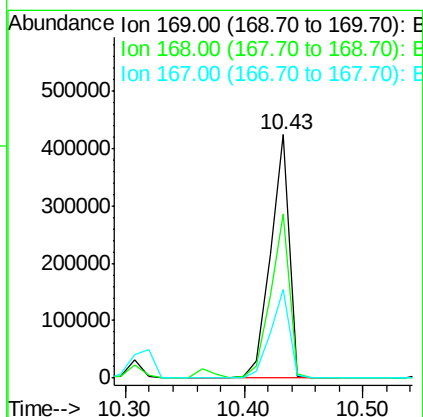
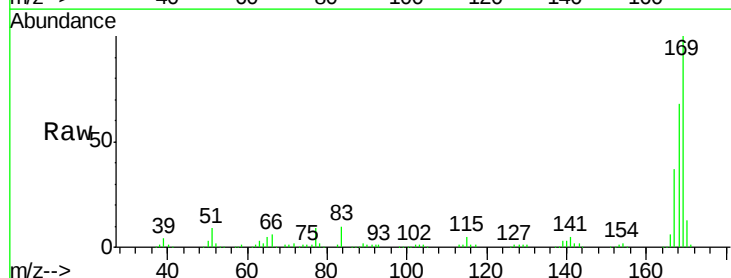
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

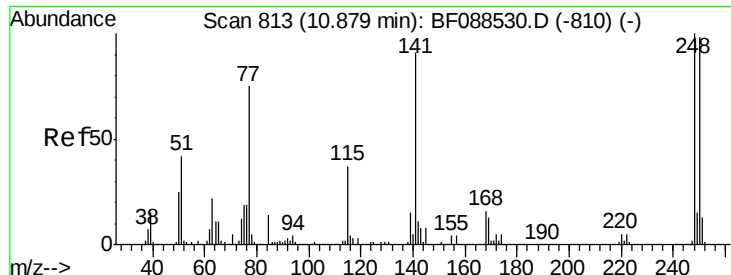
Tgt Ion:198 Resp: 73223  
 Ion Ratio Lower Upper  
 198 100  
 51 67.4 39.6 79.6  
 105 64.6 36.6 76.6



#65  
 n-Nitrosodiphenylamine  
 Concen: 41.59 ng  
 RT: 10.43 min Scan# 774  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:169 Resp: 464142  
 Ion Ratio Lower Upper  
 169 100  
 168 67.5 53.4 80.0  
 167 36.6 29.4 44.0

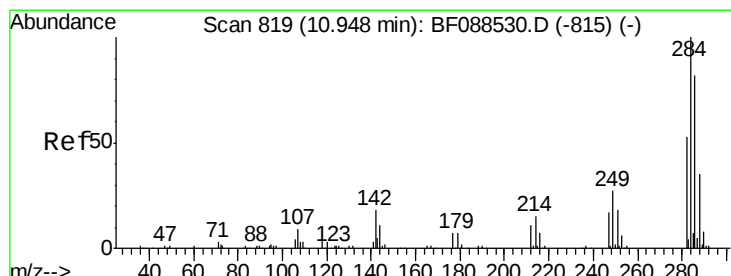
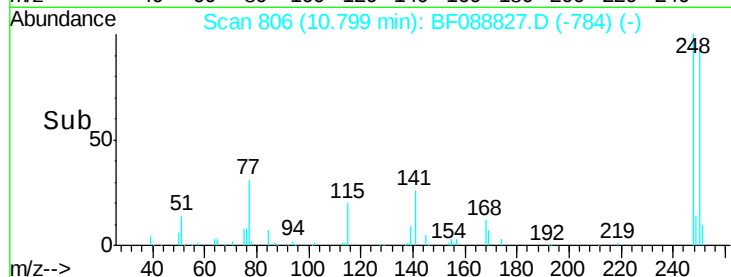
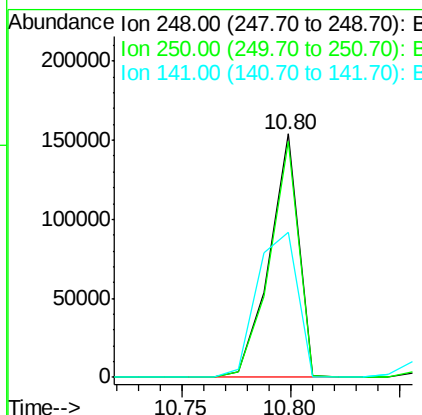
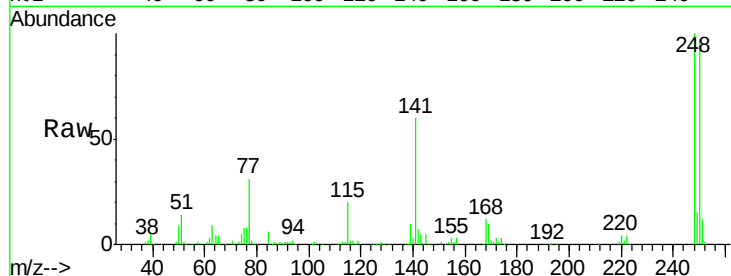




#66  
 4-Bromophenyl-phenylether  
 Concen: 43.86 ng  
 RT: 10.80 min Scan# 806  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

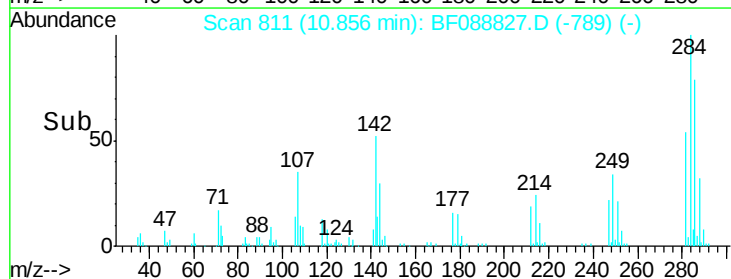
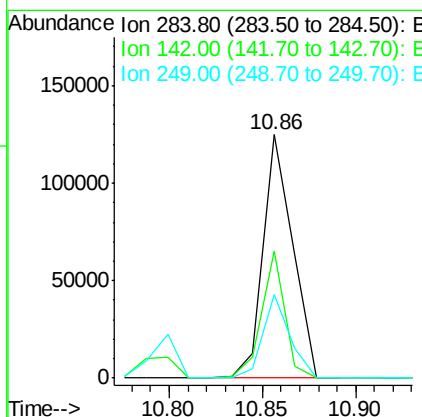
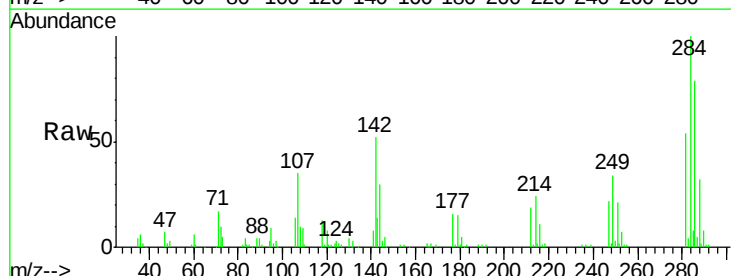
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

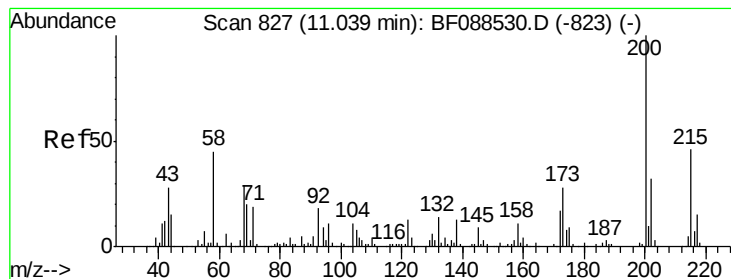
Tgt Ion:248 Resp: 145725  
 Ion Ratio Lower Upper  
 248 100  
 250 97.1 77.1 115.7  
 141 59.7 50.6 76.0



#67  
 Hexachlorobenzene  
 Concen: 37.69 ng  
 RT: 10.86 min Scan# 811  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:284 Resp: 138639  
 Ion Ratio Lower Upper  
 284 100  
 142 52.0 35.8 53.8  
 249 34.2 25.8 38.6





#68

Atrazine

Concen: 37.17 ng

RT: 10.96 min Scan# 820

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

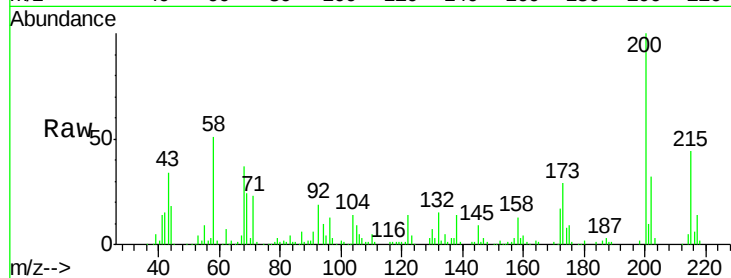
Tgt Ion:200 Resp: 129229

Ion Ratio Lower Upper

200 100

173 28.8 4.0 44.0

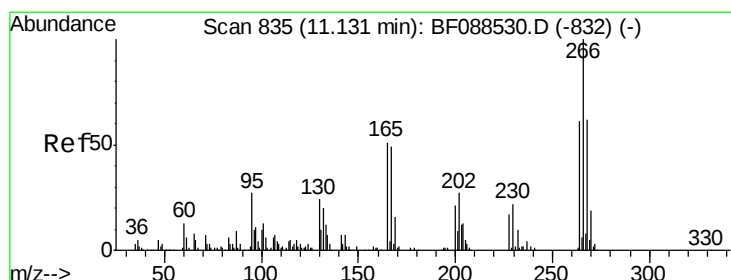
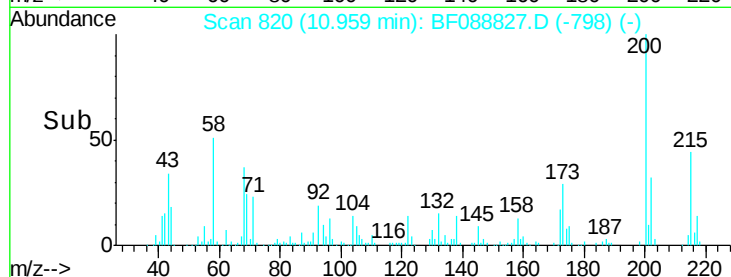
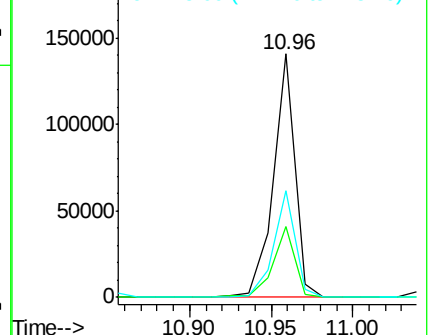
215 43.9 29.3 69.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 70.71 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

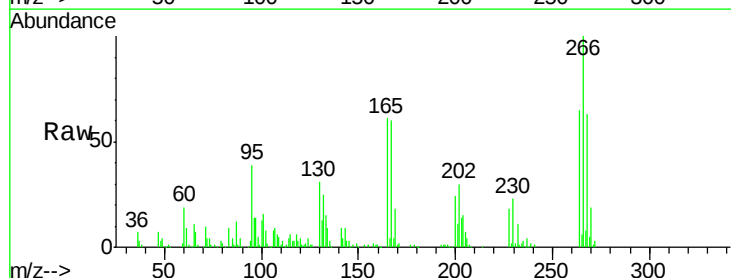
Tgt Ion:266 Resp: 153927

Ion Ratio Lower Upper

266 100

268 62.7 52.8 79.2

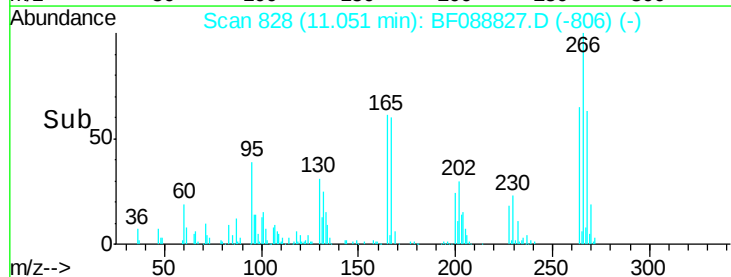
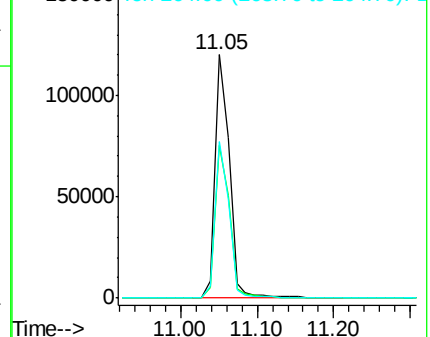
264 64.6 49.6 74.4

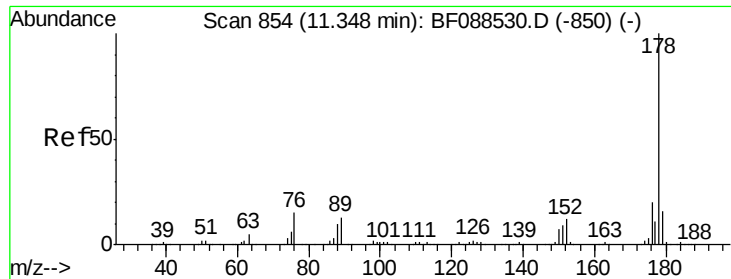


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

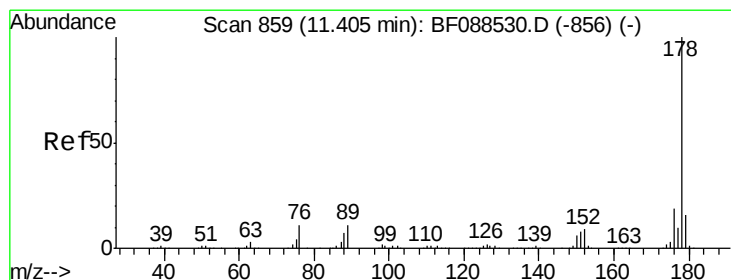
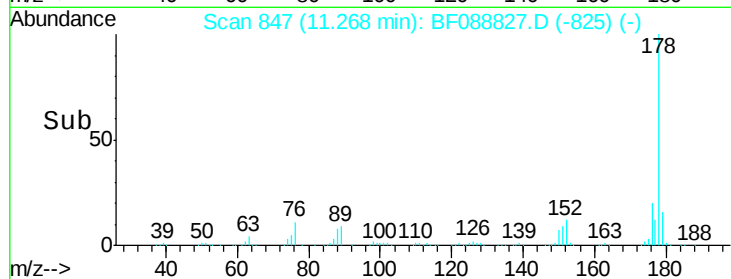
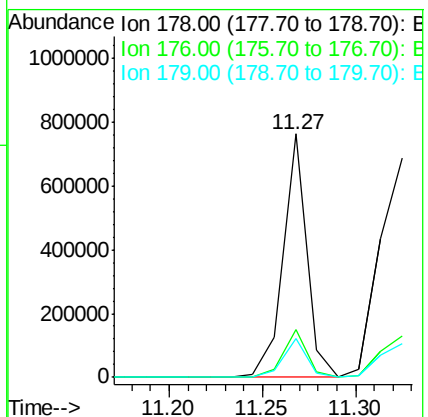
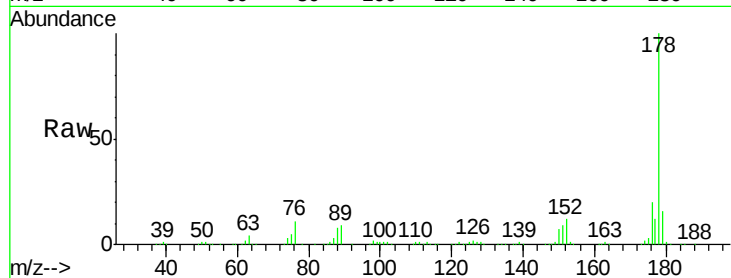




#70  
Phenanthrene  
Concen: 37.47 ng  
RT: 11.27 min Scan# 847  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

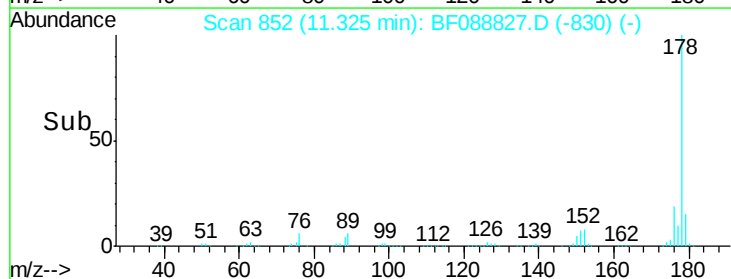
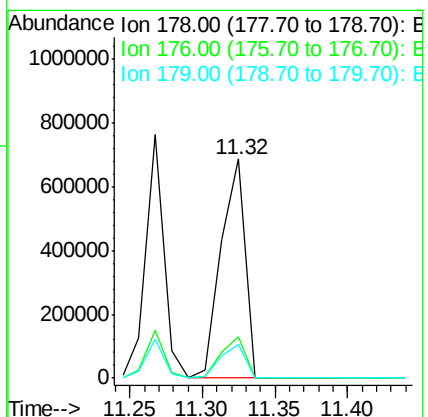
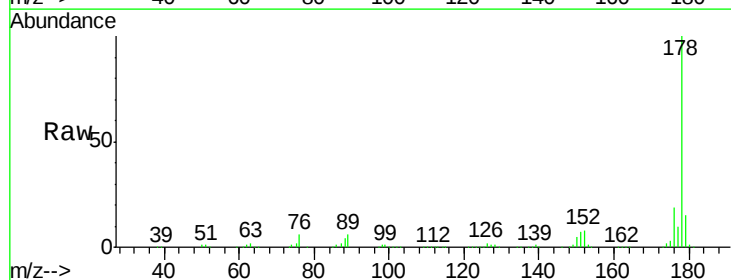
Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

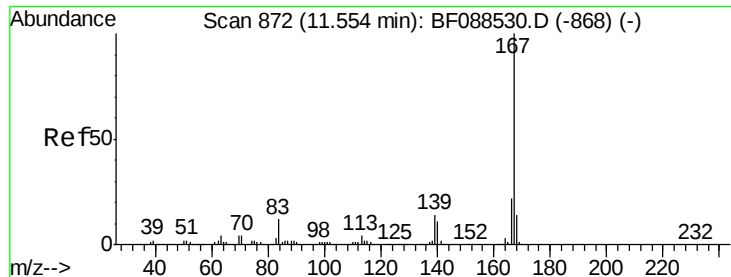
Tgt Ion:178 Resp: 675328  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.8 23.6  
179 15.8 13.0 19.4



#71  
Anthracene  
Concen: 44.15 ng  
RT: 11.32 min Scan# 852  
Delta R.T. -0.05 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:178 Resp: 791232  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.6 23.4  
179 15.2 12.8 19.2

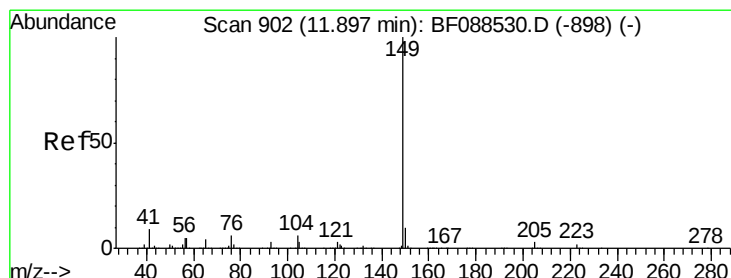
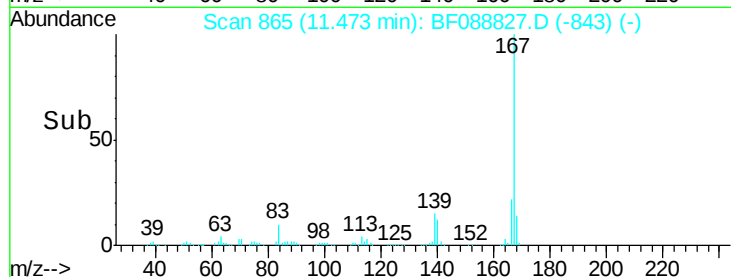
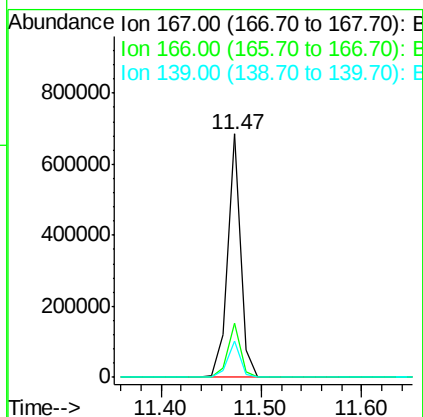
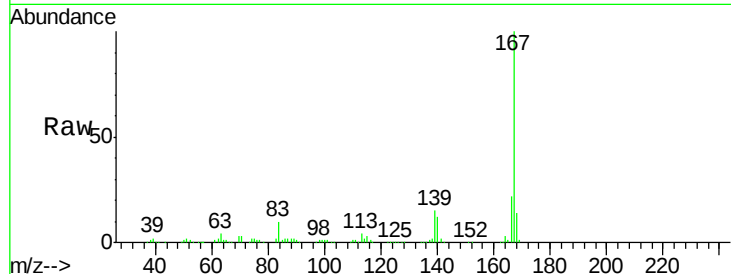




#72  
 Carbazole  
 Concen: 36.34 ng  
 RT: 11.47 min Scan# 865  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

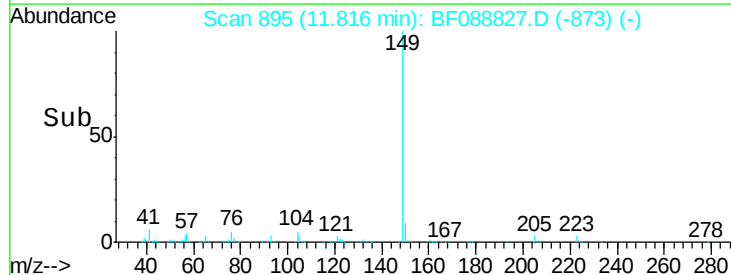
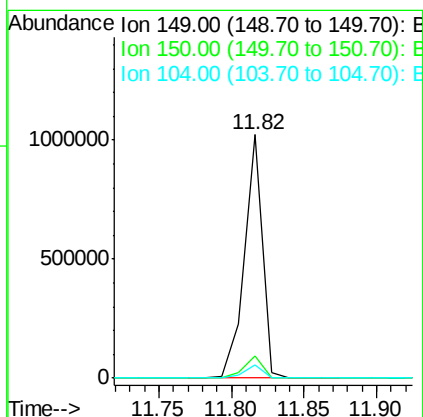
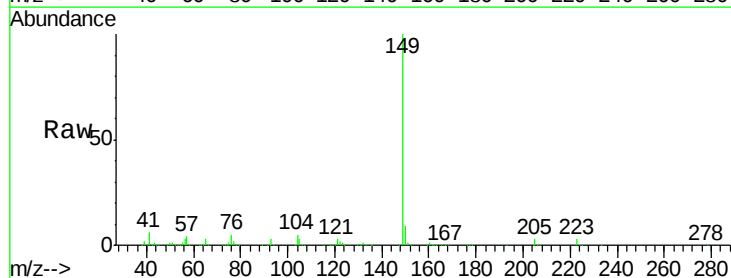
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

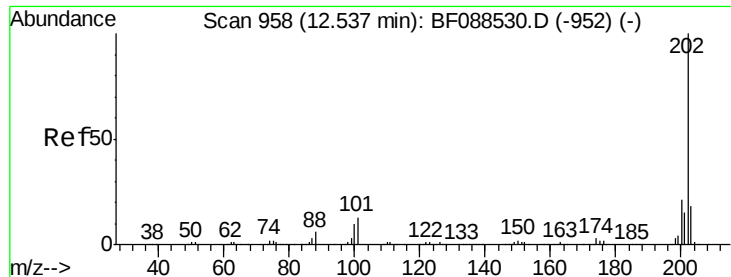
Tgt Ion:167 Resp: 612987  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 17.8 26.6  
 139 14.7 11.2 16.8



#73  
 Di-n-butylphthalate  
 Concen: 44.62 ng  
 RT: 11.82 min Scan# 895  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:149 Resp: 875392  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.8 11.6  
 104 5.3 4.0 6.0

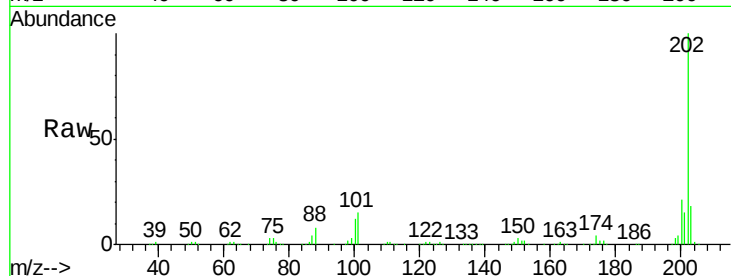




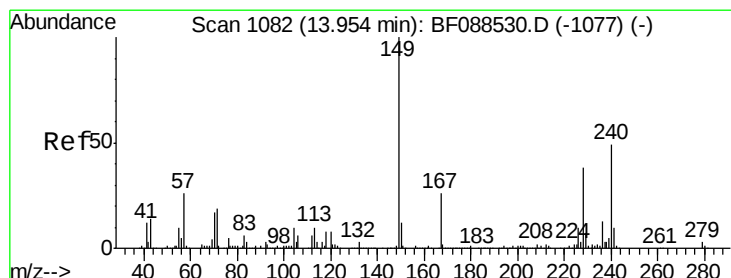
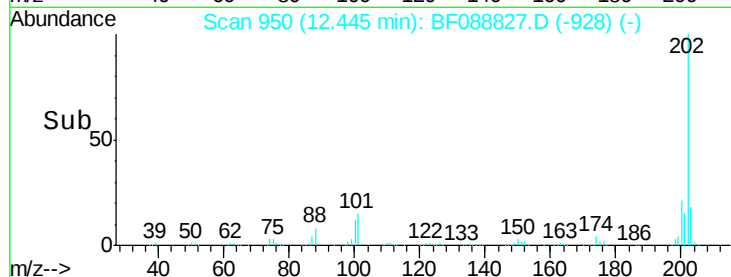
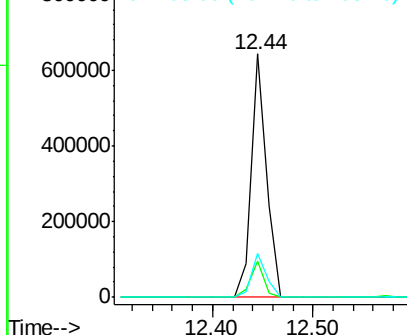
#74  
**Fluoranthene**  
 Concen: 36.85 ng  
 RT: 12.44 min Scan# 950  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

Tgt Ion:202 Resp: 673353  
 Ion Ratio Lower Upper  
 202 100  
 101 15.1 0.0 33.1  
 203 18.2 0.0 38.1

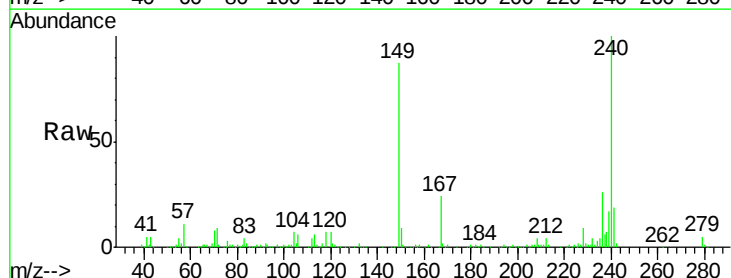


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

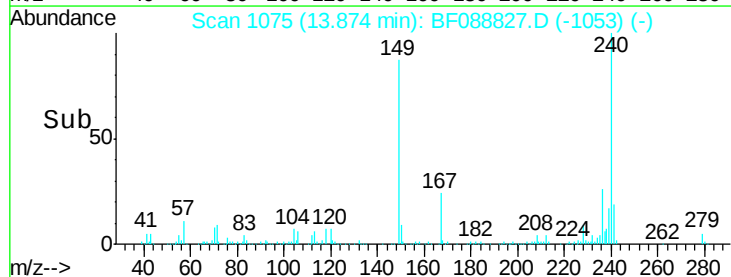
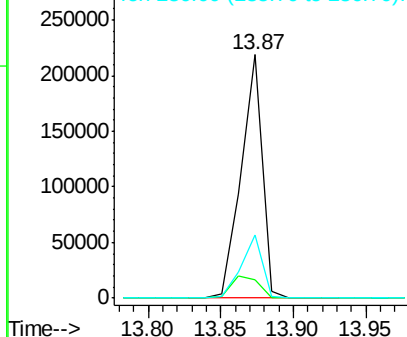


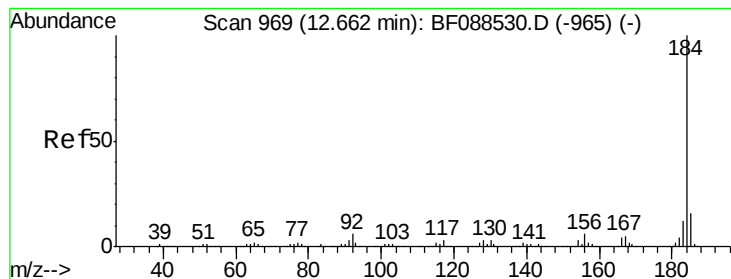
#75  
**Chrysene-d12**  
 Concen: 20.00 ng  
 RT: 13.87 min Scan# 1075  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:240 Resp: 222025  
 Ion Ratio Lower Upper  
 240 100  
 120 7.4 6.8 10.2  
 236 25.7 20.2 30.2



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





#76

Benzidine

Concen: 28.59 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

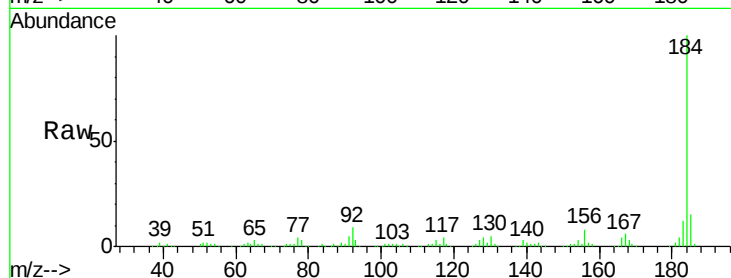
Tgt Ion:184 Resp: 320834

Ion Ratio Lower Upper

184 100

185 14.7 12.5 18.7

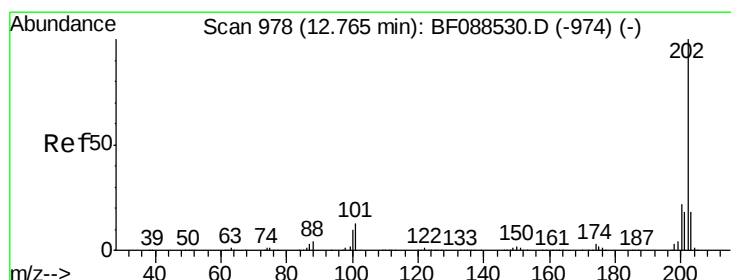
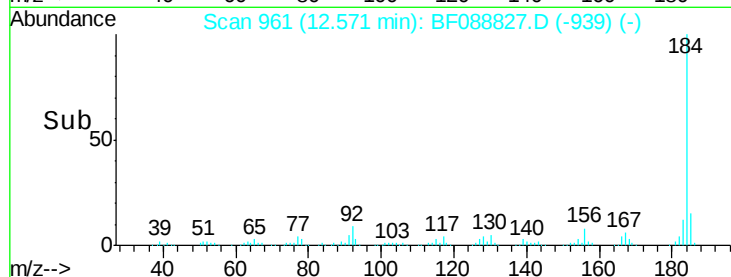
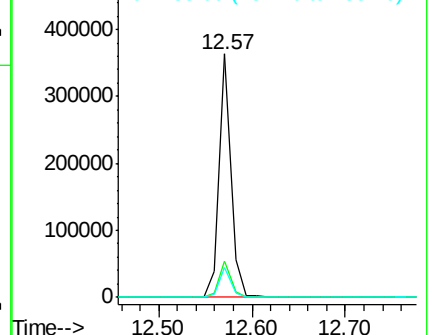
183 12.2 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 36.90 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

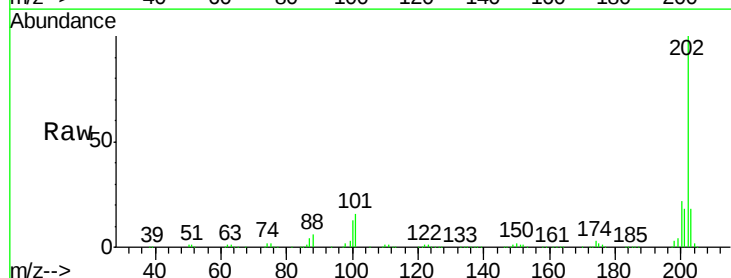
Tgt Ion:202 Resp: 694617

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

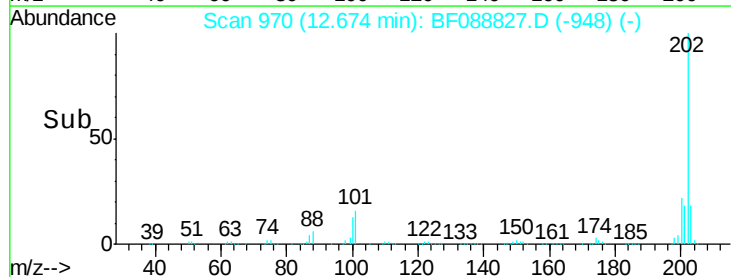
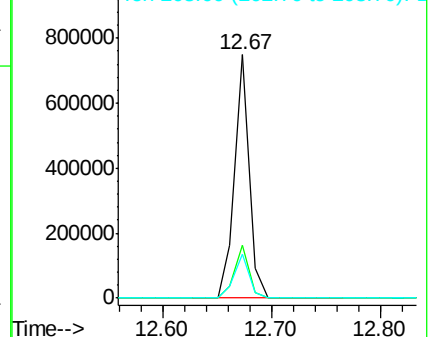
203 17.9 14.5 21.7

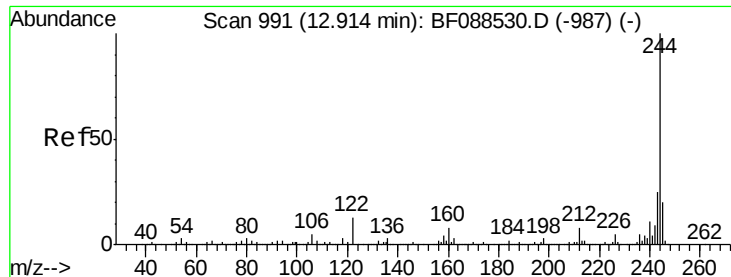


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

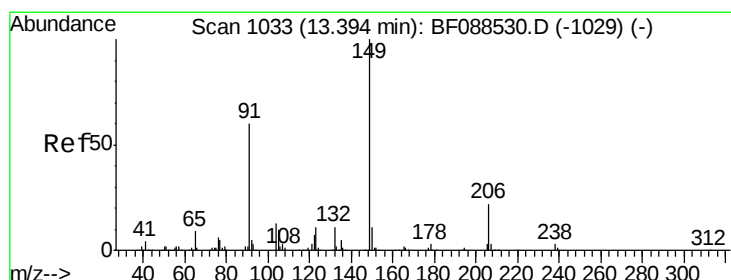
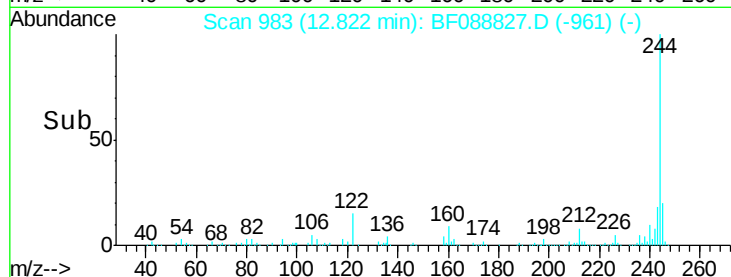
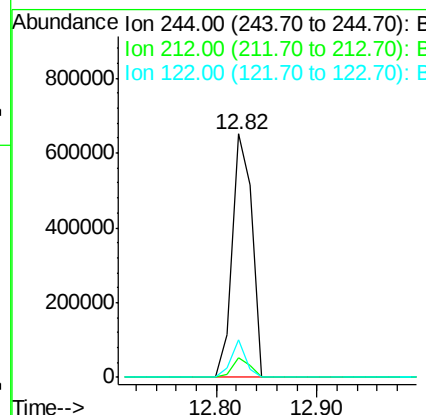
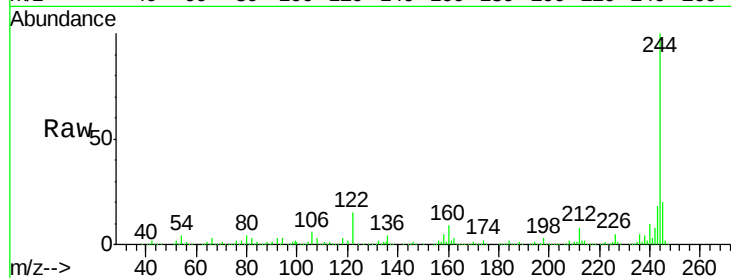




#78  
 Terphenyl-d14  
 Concen: 88.68 ng  
 RT: 12.82 min Scan# 983  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

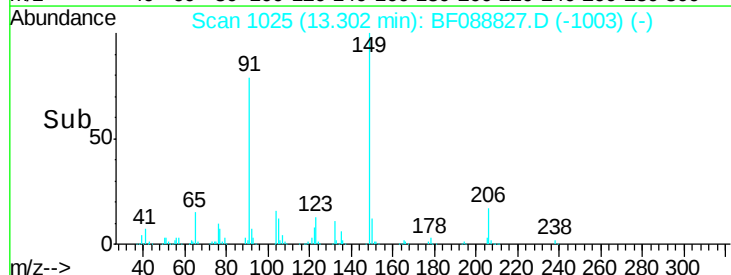
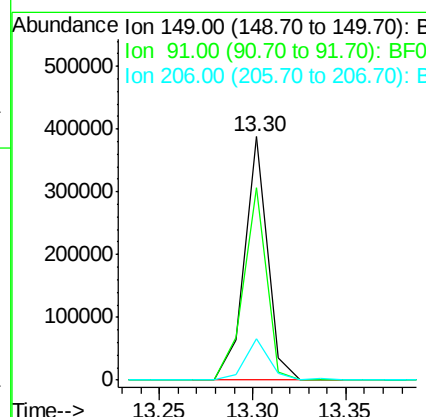
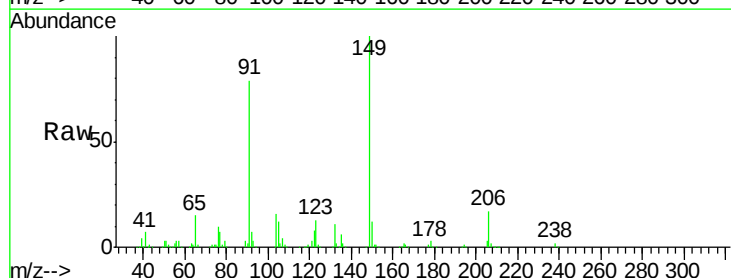
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

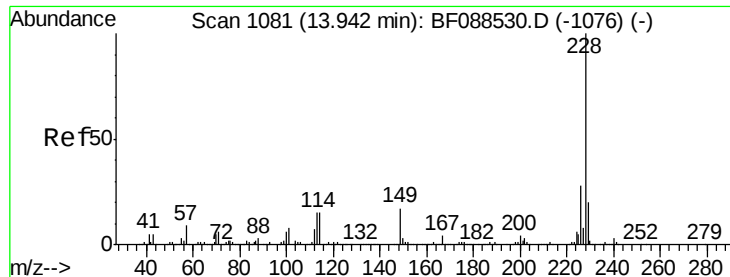
Tgt Ion:244 Resp: 884013  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.0 9.0  
 122 15.2 11.2 16.8



#79  
 Butylbenzylphthalate  
 Concen: 39.83 ng  
 RT: 13.30 min Scan# 1025  
 Delta R.T. -0.05 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

Tgt Ion:149 Resp: 334478  
 Ion Ratio Lower Upper  
 149 100  
 91 78.8 48.0 72.0#  
 206 16.7 16.0 24.0





#80

Benzo(a)anthracene

Concen: 41.68 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

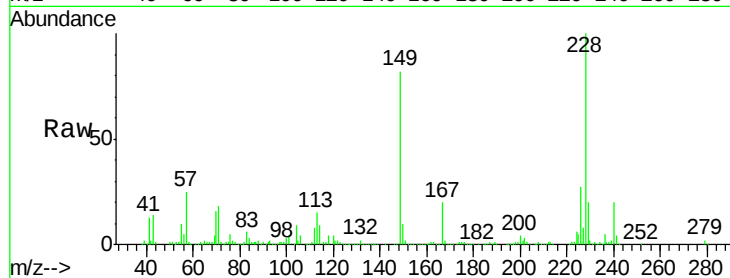
Tgt Ion:228 Resp: 595912

Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

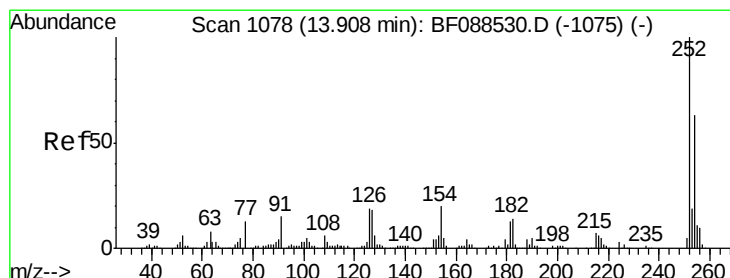
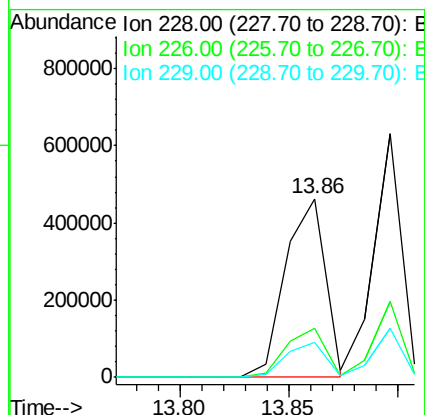
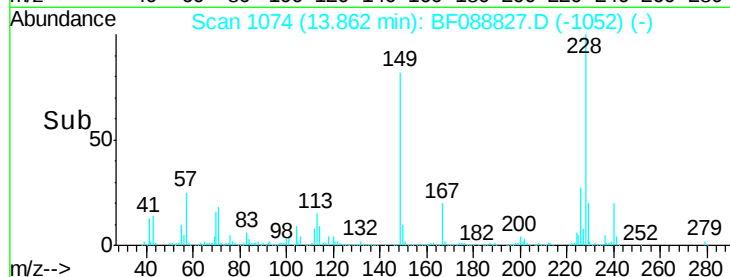
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 25.97 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

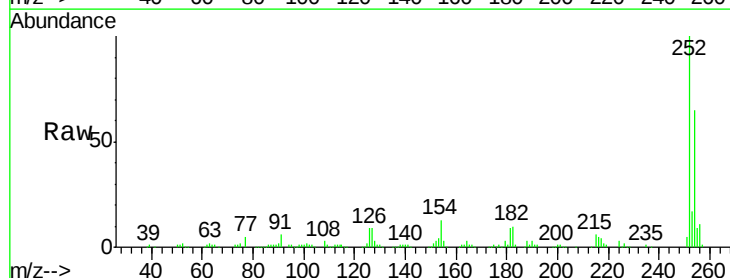
Tgt Ion:252 Resp: 139567

Ion Ratio Lower Upper

252 100

254 65.1 52.6 78.8

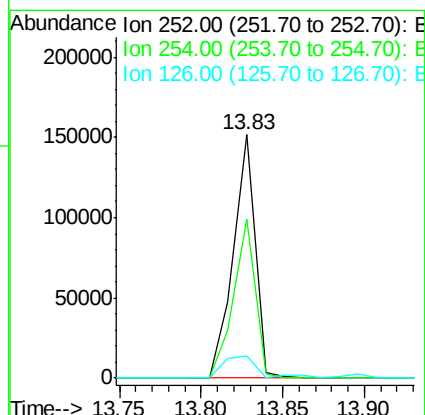
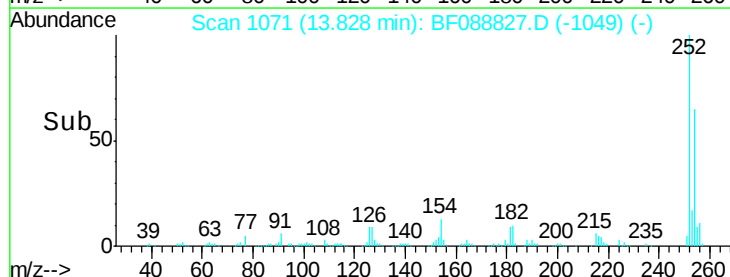
126 9.1 6.2 9.2

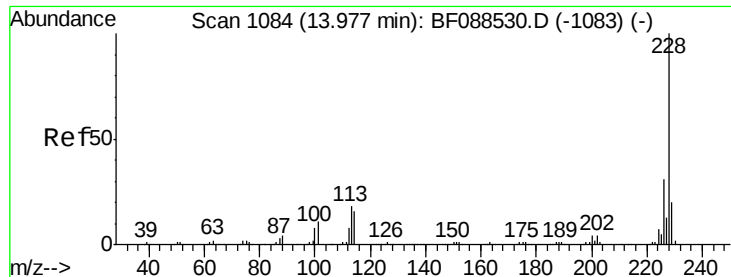


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 40.06 ng

RT: 13.90 min Scan# 1077

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

Instrument :

BNA\_F

ClientSampleId :

PB91873BS

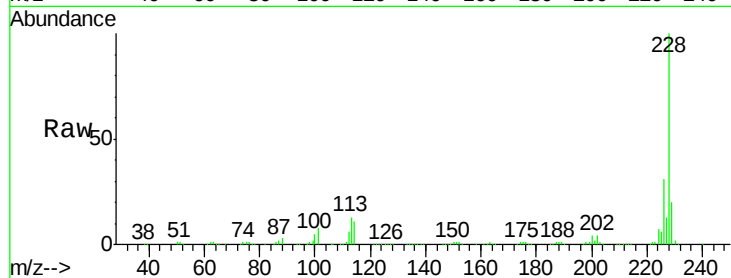
Tgt Ion: 228 Resp: 566568

Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.2

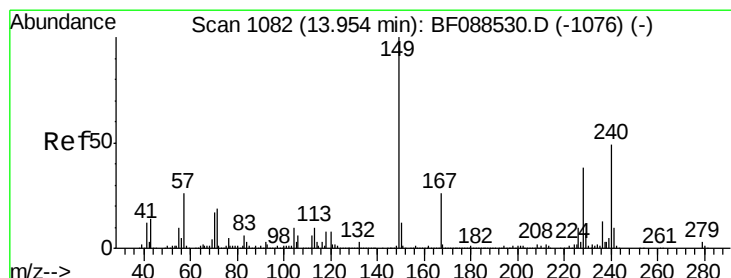
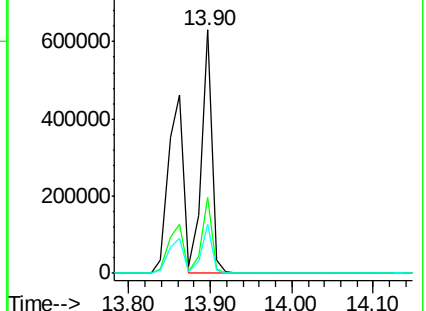
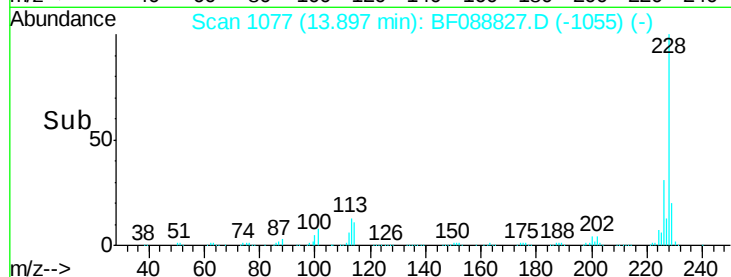
229 20.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 42.62 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.05 min

Lab File: BF088827.D

Acq: 8 Jul 2016 15:58

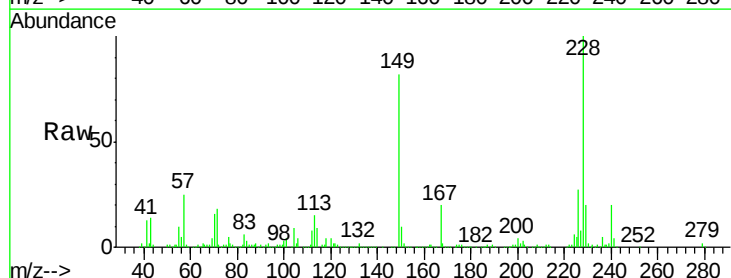
Tgt Ion: 149 Resp: 408550

Ion Ratio Lower Upper

149 100

167 23.9 20.5 30.7

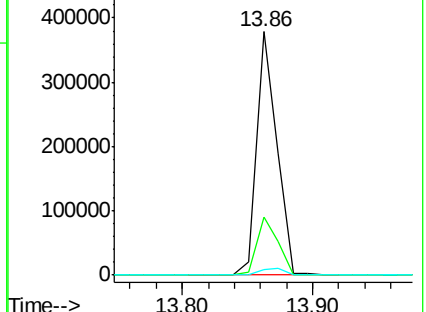
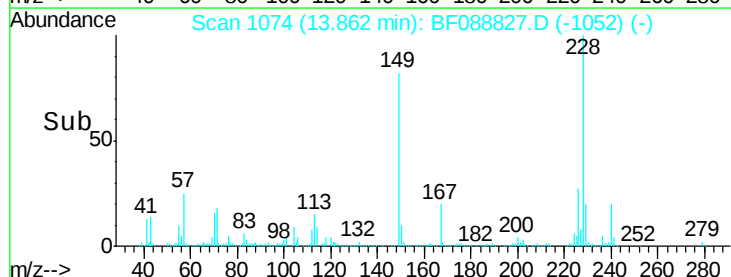
279 2.2 2.0 3.0

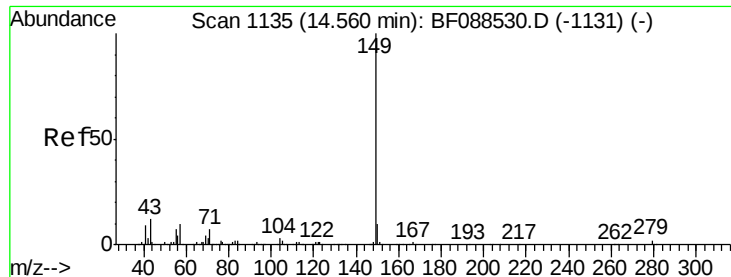


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

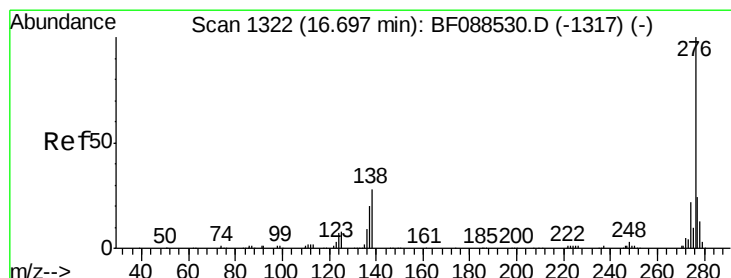
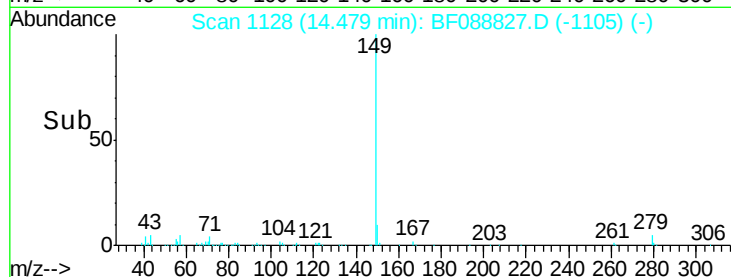
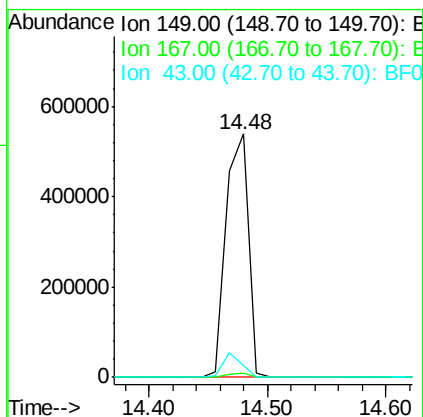
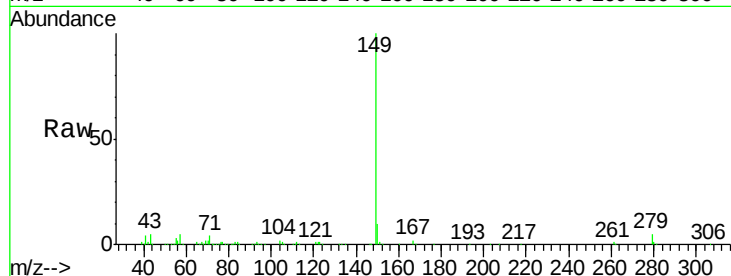




#84  
 Di-n-octyl phthalate  
 Concen: 43.10 ng  
 RT: 14.48 min Scan# 1128  
 Delta R.T. -0.03 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

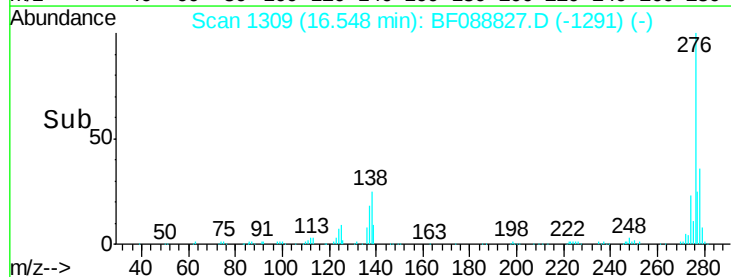
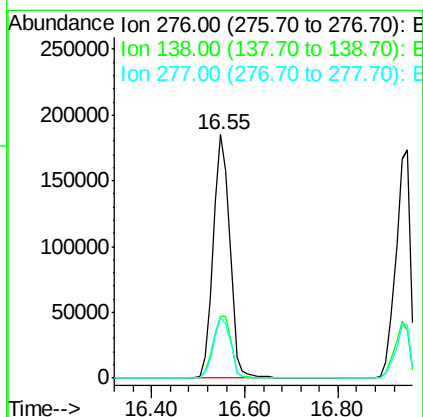
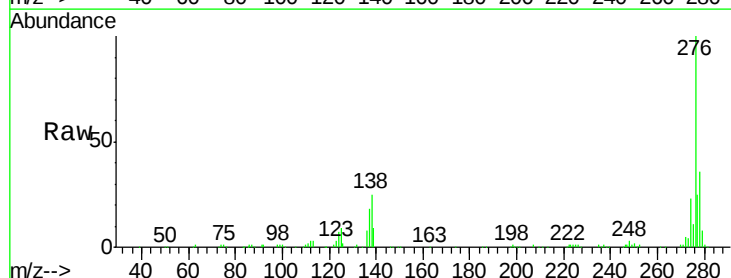
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91873BS

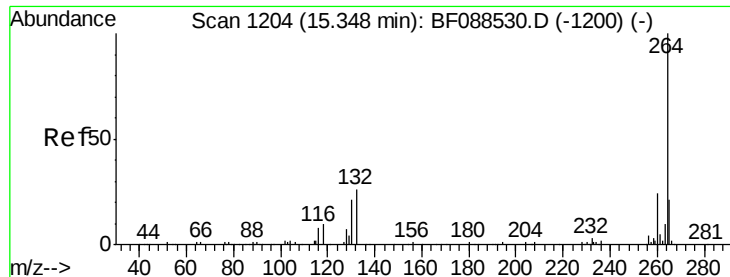
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 0.0   | 0.0#  |
| 43      | 8.6   | 0.0   | 0.0#  |



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.22 ng  
 RT: 16.55 min Scan# 1309  
 Delta R.T. -0.09 min  
 Lab File: BF088827.D  
 Acq: 8 Jul 2016 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.5  | 0.0   | 0.0#  |
| 277     | 25.2  | 0.0   | 0.0#  |

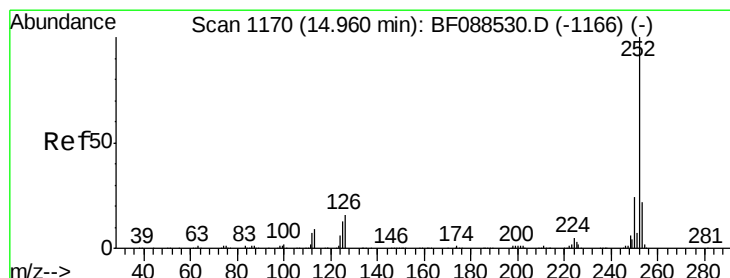
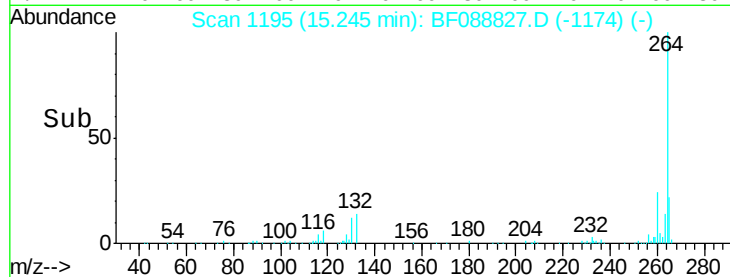
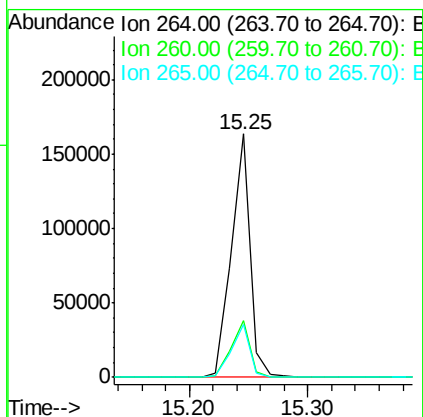
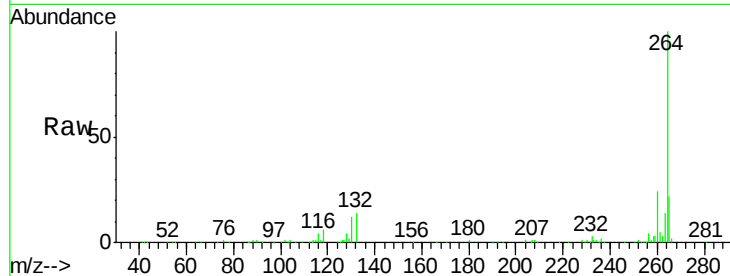




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.25 min Scan# 1195  
Delta R.T. -0.06 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

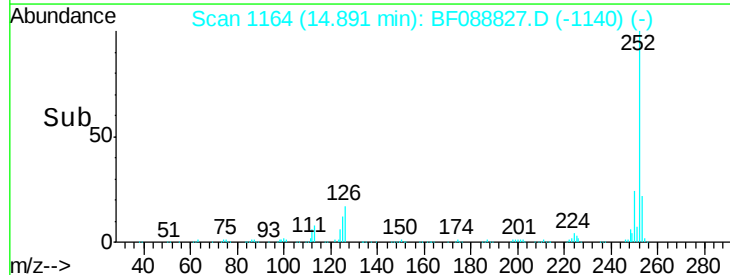
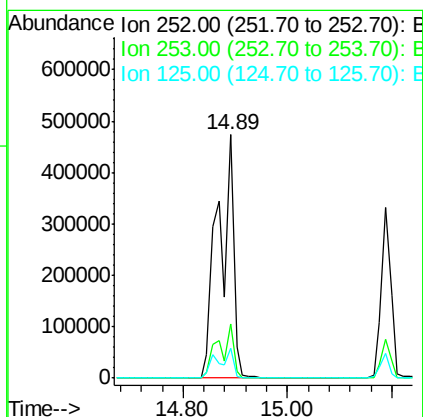
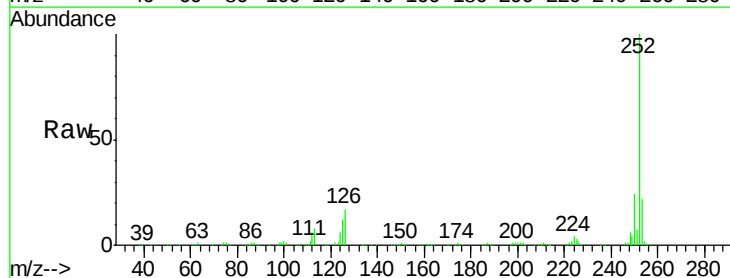
Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

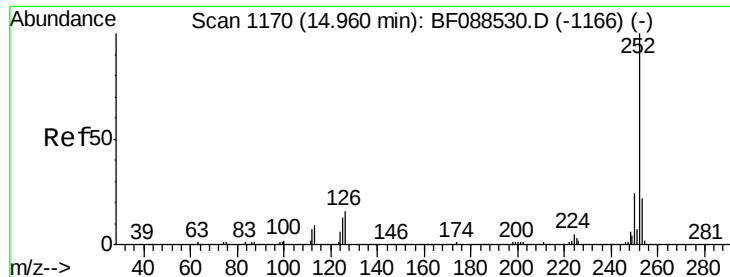
Tgt Ion: 264 Resp: 178902  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.2 28.8  
265 21.5 16.9 25.3



#87  
Benzo(b)fluoranthene  
Concen: 85.41 ng  
RT: 14.89 min Scan# 1164  
Delta R.T. -0.02 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion: 252 Resp: 958481  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.4 26.2  
125 12.2 7.1 10.7#

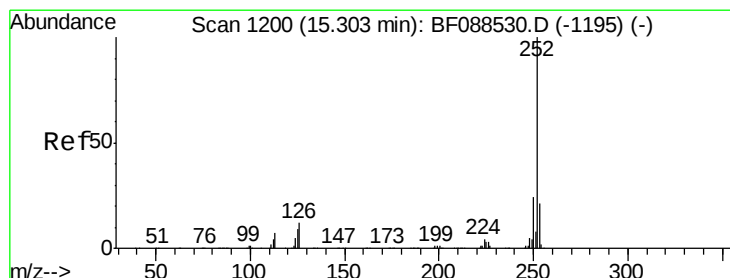
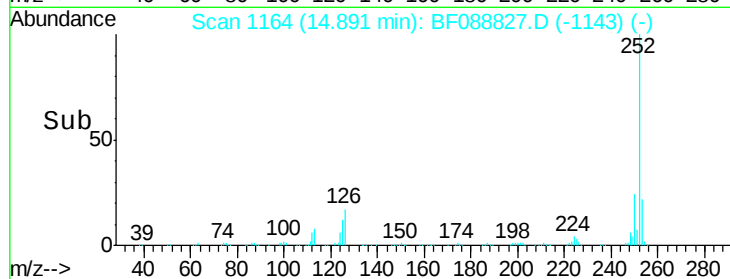
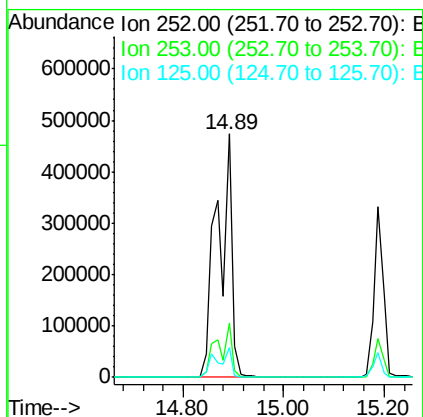
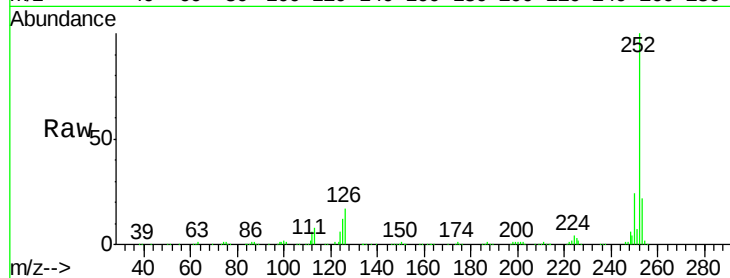




#88  
Benzo(k)fluoranthene  
Concen: 98.11 ng  
RT: 14.89 min Scan# 1164  
Delta R.T. -0.06 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

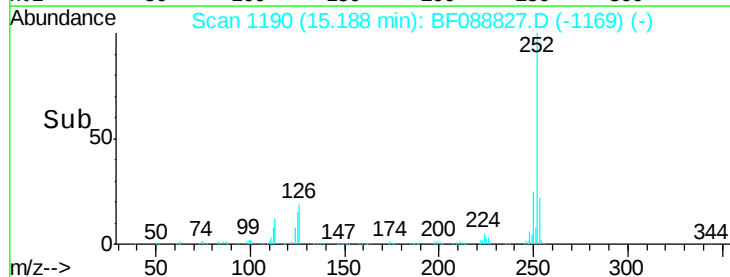
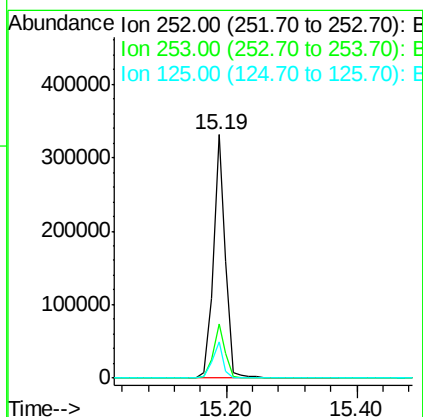
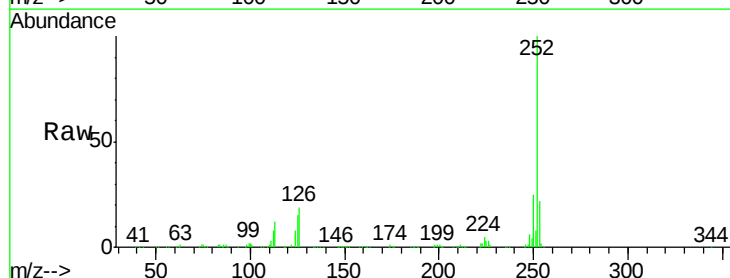
Instrument :  
BNA\_F  
ClientSampleId :  
PB91873BS

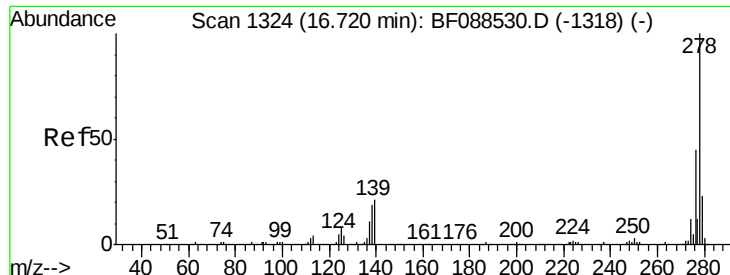
Tgt Ion:252 Resp: 958492  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.0 27.0  
125 12.2 11.2 16.8



#89  
Benzo(a)pyrene  
Concen: 45.38 ng  
RT: 15.19 min Scan# 1190  
Delta R.T. -0.06 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:252 Resp: 431160  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.9 26.9  
125 14.8 12.5 18.7

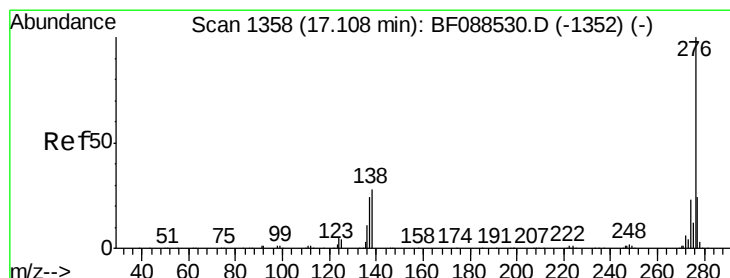
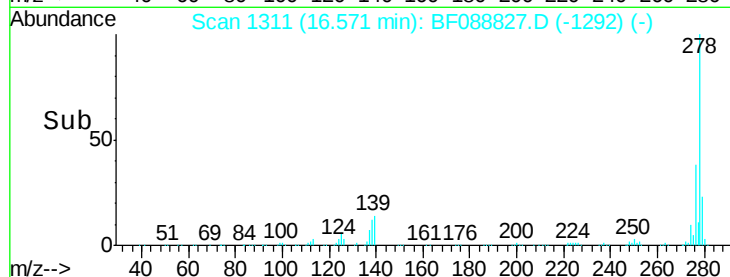
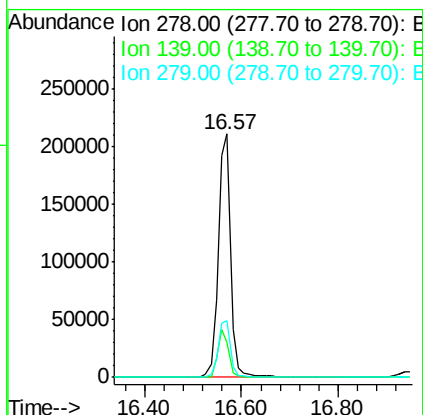
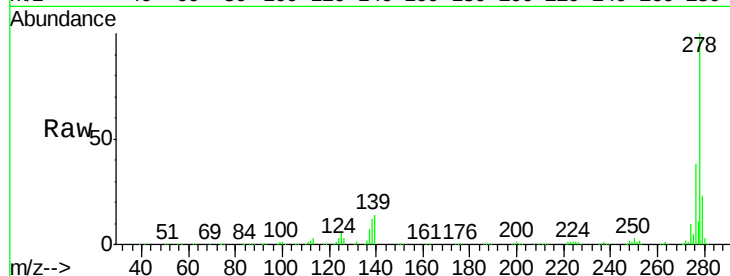




#90  
Dibenzo(a,h)anthracene  
Concen: 47.78 ng  
RT: 16.57 min Scan# 1311  
Delta R.T. -0.08 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Instrument :  
BNA\_F  
ClientSampled :  
PB91873BS

Tgt Ion:278 Resp: 379096  
Ion Ratio Lower Upper  
278 100  
139 14.1 15.7 23.5#  
279 23.3 19.4 29.2



#91  
Benzo(g,h,i)perylene  
Concen: 46.89 ng  
RT: 16.95 min Scan# 1344  
Delta R.T. -0.09 min  
Lab File: BF088827.D  
Acq: 8 Jul 2016 15:58

Tgt Ion:276 Resp: 384990  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.9 28.3  
138 20.8 21.4 32.2#

