

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\  
 Data File : BF087098.D  
 Acq On : 17 May 2016 12:40  
 Operator : UM/SJ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

sohil  
 5/18/2016 6:56:15 PM

Quant Time: May 17 16:36:49 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 14:48:42 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.59  | 152  | 149888   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.88  | 136  | 625390   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.64  | 164  | 291574   | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 11.12 | 188  | 549552   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12          | 13.75 | 240  | 392605   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.10 | 264  | 333065   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.19  | 112 | 1439561 | 162.65 | ng | 0.01 |
| 7) Phenol-d6             | 6.28  | 99  | 1786249 | 151.01 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.19  | 82  | 1837623 | 147.54 | ng | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.43 | 330 | 434919  | 140.90 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 8.97  | 172 | 2545551 | 146.73 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.71 | 244 | 2770013 | 149.70 | ng | 0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.02 | 88  | 338245  | 77.84 | ng | # 72   |
| 3) Pyridine                    | 2.66 | 79  | 905311  | 85.23 | ng | # 66   |
| 4) n-Nitrosodimethylamine      | 2.65 | 42  | 672158  | 87.26 | ng | # 51   |
| 6) Aniline                     | 6.27 | 93  | 1140276 | 79.70 | ng | # 84   |
| 8) 2-Chlorophenol              | 6.40 | 128 | 820437  | 76.82 | ng | 99     |
| 10) Phenol                     | 6.30 | 94  | 1158962 | 82.43 | ng | 80     |
| 11) bis(2-Chloroethyl)ether    | 6.35 | 93  | 844982  | 77.08 | ng | 86     |
| 12) 1,3-Dichlorobenzene        | 6.54 | 146 | 807628m | 69.88 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.62 | 146 | 841215m | 71.37 | ng |        |
| 14) 1,2-Dichlorobenzene        | 6.78 | 146 | 744851  | 72.51 | ng | 98     |
| 15) Benzyl Alcohol             | 6.78 | 79  | 706063  | 86.44 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45  | 1599088 | 67.09 | ng | 75     |
| 17) 2-Methylphenol             | 6.90 | 107 | 689307m | 81.11 | ng |        |
| 18) Hexachloroethane           | 7.11 | 117 | 343073  | 77.36 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70  | 663778  | 80.30 | ng | # 77   |
| 20) 3+4-Methylphenols          | 7.06 | 107 | 893990  | 80.54 | ng | # 57   |
| 22) Acetophenone               | 7.04 | 105 | 1218150 | 82.46 | ng | 96     |
| 24) Nitrobenzene               | 7.21 | 77  | 1077150 | 84.07 | ng | # 88   |
| 25) Isophorone                 | 7.45 | 82  | 1833938 | 79.36 | ng | 98     |
| 26) 2-Nitrophenol              | 7.52 | 139 | 493988  | 87.72 | ng | # 89   |
| 27) 2,4-Dimethylphenol         | 7.58 | 122 | 666420  | 69.47 | ng | 87     |
| 28) bis(2-Chloroethoxy)methane | 7.66 | 93  | 863900  | 69.31 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.77 | 162 | 646710  | 76.59 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.84 | 180 | 735065  | 77.86 | ng | 99     |
| 31) Naphthalene                | 7.92 | 128 | 2273514 | 72.58 | ng | 100    |
| 32) Benzoic acid               | 7.78 | 122 | 513200  | 91.08 | ng | # 79   |
| 33) 4-Chloroaniline            | 7.98 | 127 | 956520  | 78.59 | ng | # 90   |
| 34) Hexachlorobutadiene        | 8.03 | 225 | 413314  | 75.45 | ng | 98     |
| 35) Caprolactam                | 8.40 | 113 | 236535m | 82.33 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.49 | 107 | 778210  | 75.99 | ng | 90     |
| 37) 2-Methylnaphthalene        | 8.60 | 142 | 1428430 | 78.00 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 671522  | 79.21 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.75 | 237 | 261160  | 64.90 | ng | 95     |
| 42) 2,4,6-Trichlorophenol      | 8.90 | 196 | 441801  | 77.93 | ng | 91     |

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Manual Integrations  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 8.95  | 196  | 414810   | 70.76  | nq    | # 89     |
| 45) 1,1'-Biphenyl              | 9.07  | 154  | 1623882  | 70.02  | nq    | 94       |
| 46) 2-Chloronaphthalene        | 9.10  | 162  | 1400503  | 77.08  | nq    | 95       |
| 47) 2-Nitroaniline             | 9.21  | 65   | 616218   | 92.79  | nq    | 90       |
| 48) Acenaphthylene             | 9.51  | 152  | 2170699  | 81.22  | nq    | 99       |
| 49) Dimethylphthalate          | 9.39  | 163  | 1695690  | 76.23  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.45  | 165  | 315125   | 67.31  | nq    | # 68     |
| 51) Acenaphthene               | 9.68  | 154  | 1348129  | 81.09  | nq    | 99       |
| 52) 3-Nitroaniline             | 9.62  | 138  | 373134   | 75.71  | nq    | 82       |
| 53) 2,4-Dinitrophenol          | 9.74  | 184  | 220390   | 113.10 | nq    | 90       |
| 54) Dibenzofuran               | 9.85  | 168  | 1729869  | 81.06  | nq    | 97       |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 518902   | 89.57  | nq    | # 81     |
| 57) Fluorene                   | 10.19 | 166  | 1444125  | 79.35  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.98  | 232  | 318587   | 72.18  | nq    | 99       |
| 59) Diethylphthalate           | 10.08 | 149  | 1432942  | 66.10  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204  | 545100   | 58.87  | nq    | 96       |
| 61) 4-Nitroaniline             | 10.25 | 138  | 397431   | 83.96  | nq    | # 73     |
| 62) Azobenzene                 | 10.34 | 77   | 1573328  | 67.27  | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198  | 296809   | 86.94  | nq    | # 69     |
| 65) n-Nitrosodiphenylamine     | 10.32 | 169  | 1271838  | 75.33  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 444494   | 79.78  | nq    | # 85     |
| 67) Hexachlorobenzene          | 10.73 | 284  | 442316   | 67.93  | nq    | # 71     |
| 69) Pentachlorophenol          | 10.94 | 266  | 200690   | 66.69  | nq    | 97       |
| 70) Phenanthrene               | 11.14 | 178  | 1855730  | 63.28  | nq    | 98       |
| 71) Anthracene                 | 11.20 | 178  | 2236897  | 74.58  | nq    | 99       |
| 72) Carbazole                  | 11.36 | 167  | 1719260  | 66.68  | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.69 | 149  | 2093787  | 66.50  | nq    | # 98     |
| 74) Fluoranthene               | 12.32 | 202  | 2108750  | 69.91  | nq    | 99       |
| 76) Benzidine                  | 12.46 | 184  | 568307   | 56.78  | nq    | 99       |
| 77) Pyrene                     | 12.55 | 202  | 1901758  | 63.27  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.18 | 149  | 840598   | 66.12  | nq    | # 68     |
| 80) Benzo(a)anthracene         | 13.74 | 228  | 1570234  | 71.25  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.71 | 252  | 915391   | 65.37  | nq    | # 96     |
| 82) Chrysene                   | 13.77 | 228  | 1531746  | 68.32  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.74 | 149  | 957608   | 62.62  | nq    | 97       |
| 84) Di-n-octyl phthalate       | 14.35 | 149  | 1778627  | 70.21  | nq    | # 83     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.37 | 276  | 1574904  | 84.43  | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 14.74 | 252  | 1706398m | 78.83  | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.77 | 252  | 1054365m | 59.49  | nq    |          |
| 89) Benzo(a)pyrene             | 15.05 | 252  | 1301486  | 69.71  | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.37 | 278  | 1288560  | 81.89  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.73 | 276  | 1332061  | 83.31  | nq    | # 94     |

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

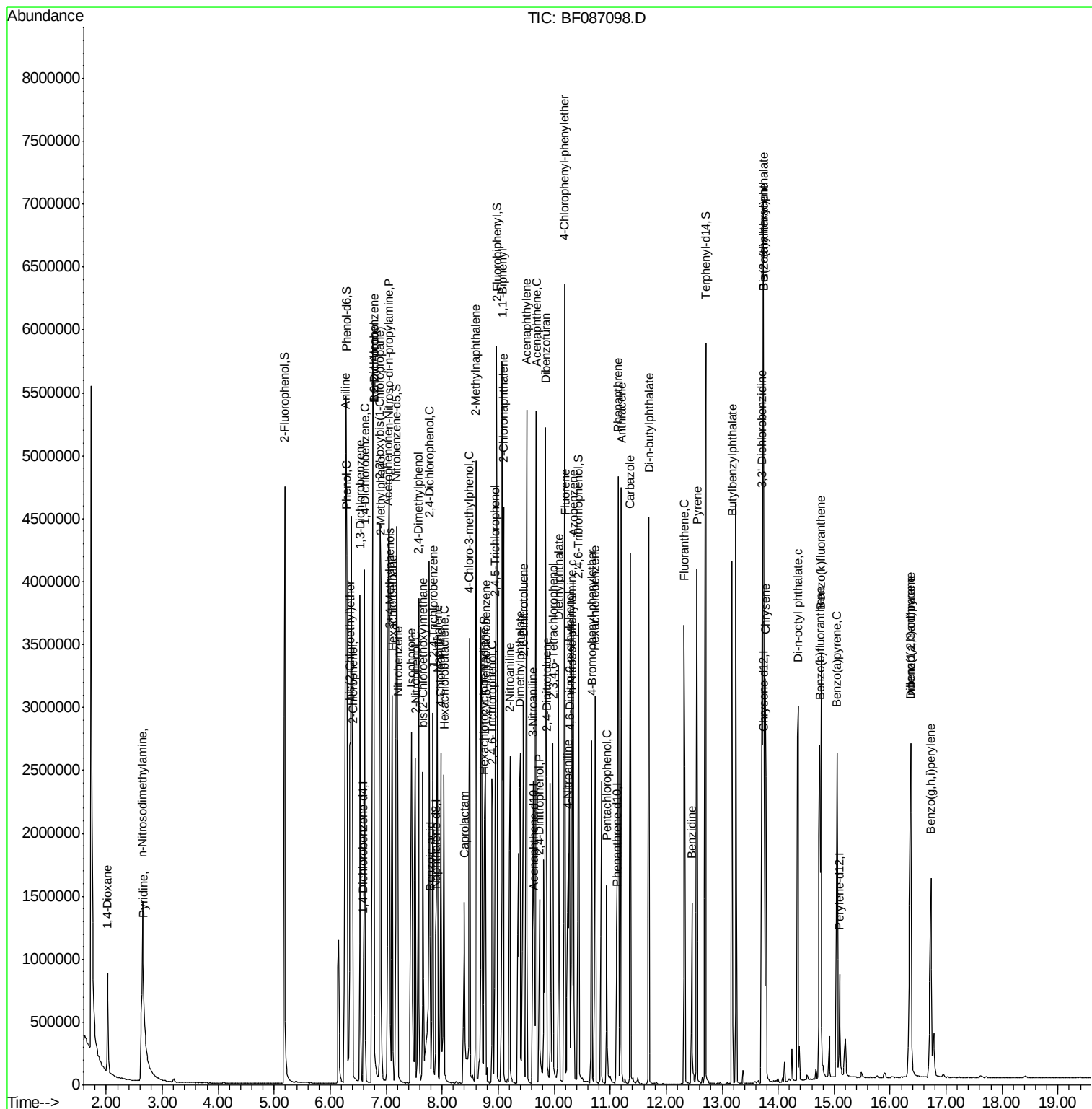
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\  
Data File : BF087098.D  
Acq On    : 17 May 2016   12:40  
Operator  : UM/SJ  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
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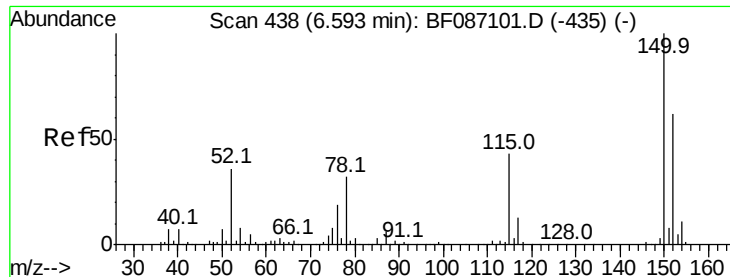
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC080

## Manual Integrations APPROVED

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QLast Update : Tue May 17 14:48:42 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:152 Resp: 149888

Ion Ratio Lower Upper

152 100

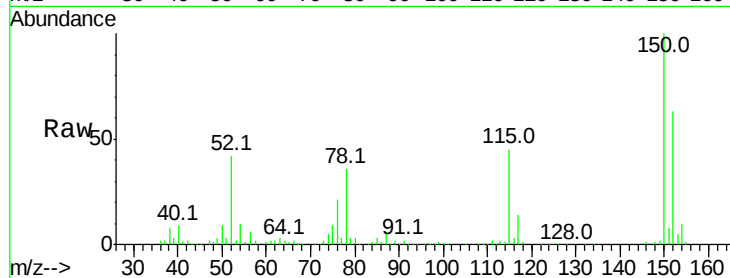
150 158.8 125.8 188.6

115 72.0 51.5 77.3

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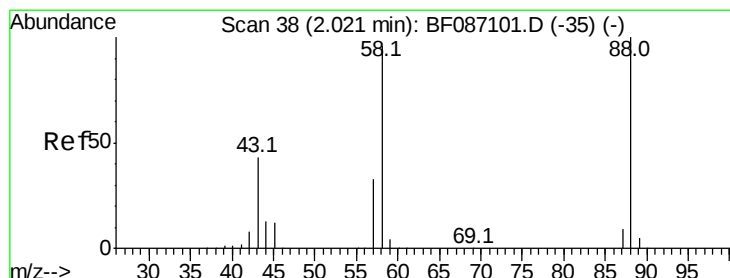
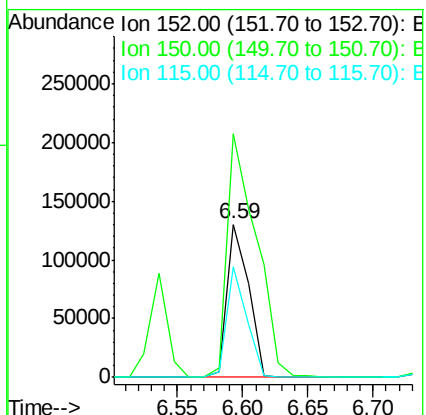
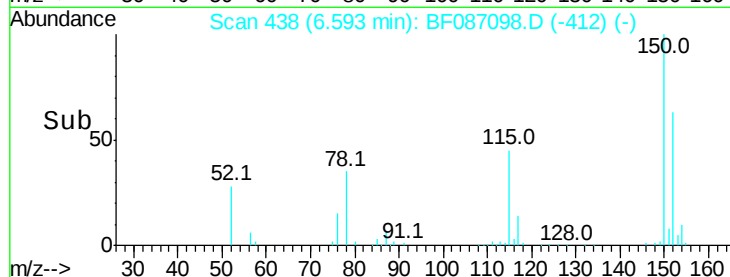
5/18/2016 6:56:15 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 77.84 ng

RT: 2.02 min Scan# 38

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

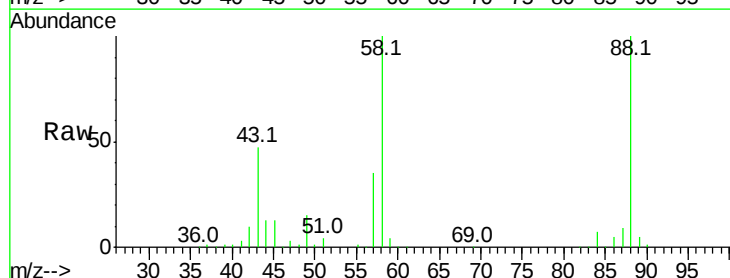
Tgt Ion: 88 Resp: 338245

Ion Ratio Lower Upper

88 100

58 96.1 59.6 89.4#

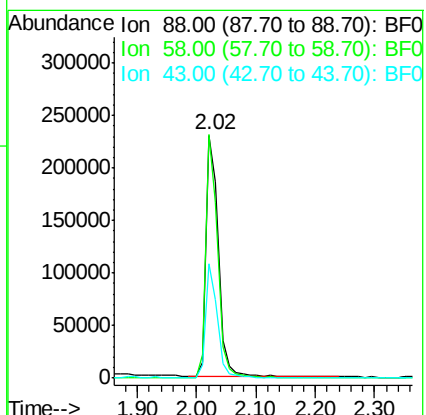
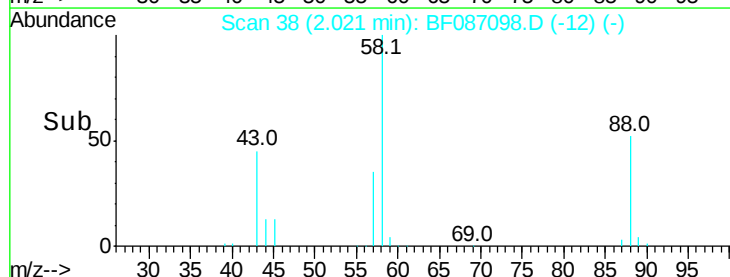
43 44.5 21.8 32.6#

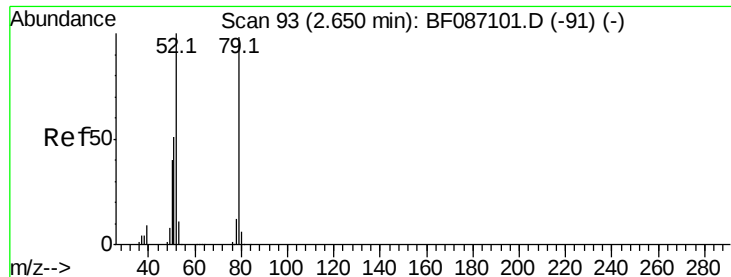


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 85.23 ng

RT: 2.66 min Scan# 94

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

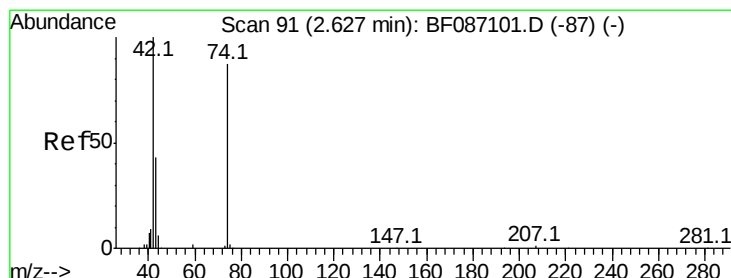
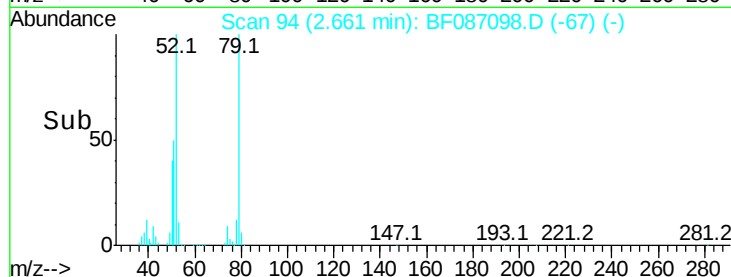
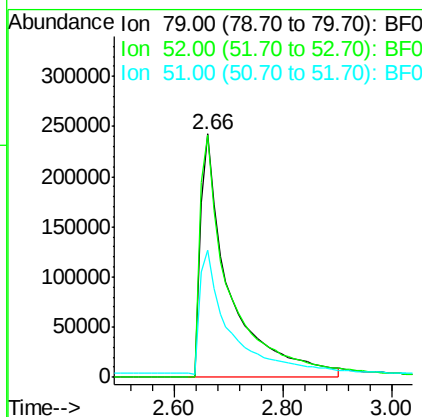
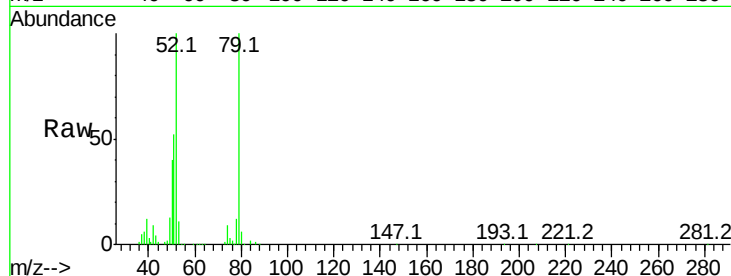
ClientSampleId :

SSTDIC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 905311 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 99.6  | 55.9  | 83.9#  |
| 51        | 52.4  | 28.1  | 42.1#  |

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#4

n-Nitrosodimethylamine

Concen: 87.26 ng

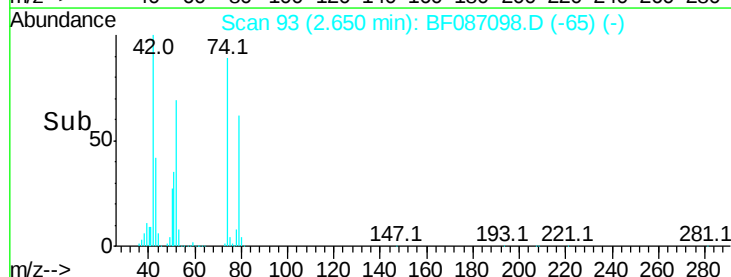
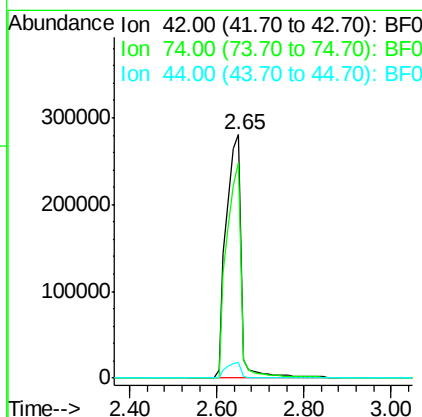
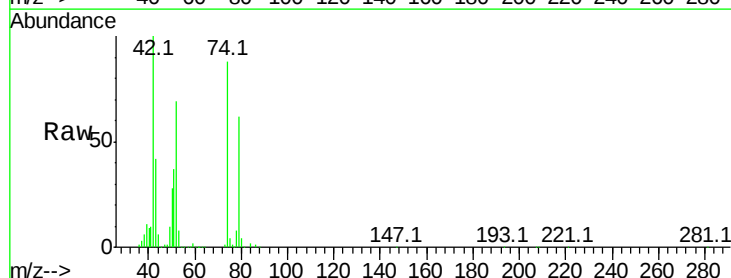
RT: 2.65 min Scan# 93

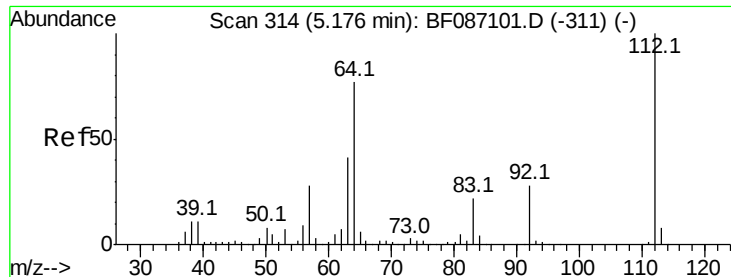
Delta R.T. 0.02 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 672158 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 88.3  | 123.4 | 185.0# |
| 44        | 6.4   | 5.8   | 8.6    |





#5

2-Fluorophenol

Concen: 162.65 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

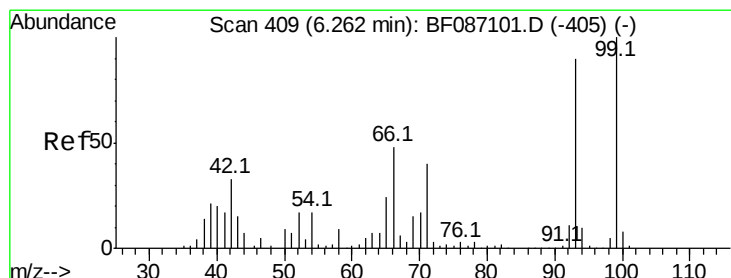
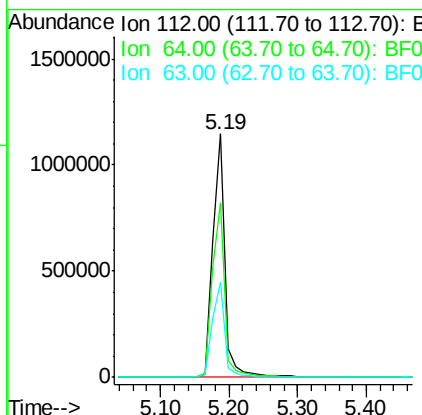
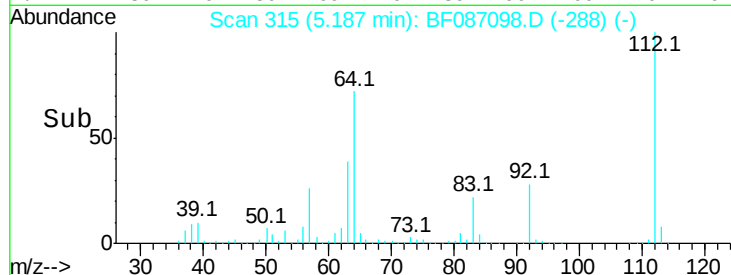
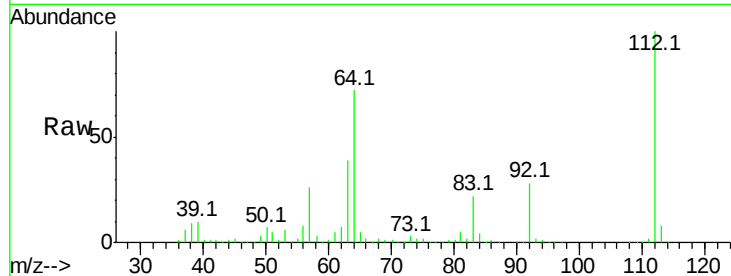
ClientSampleId :

SSTDIC080

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 112   | Resp: | 1439561 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 71.7  | 52.1  | 78.1    |
| 63        | 39.2  | 25.7  | 38.5#   |

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#6

Aniline

Concen: 79.70 ng

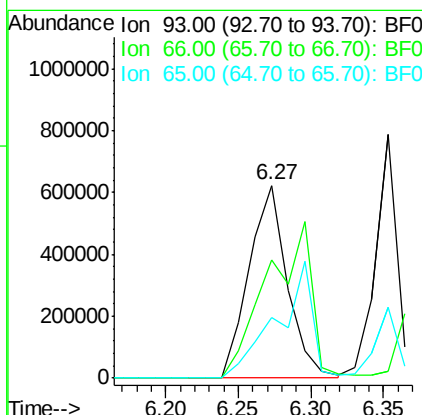
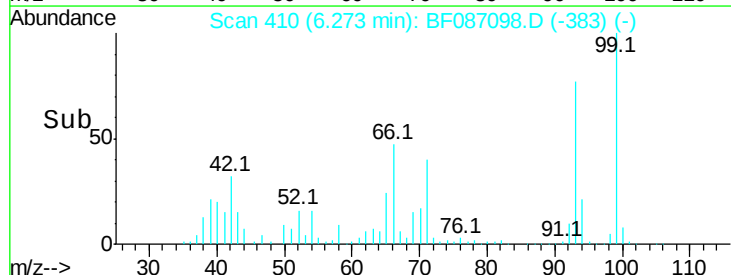
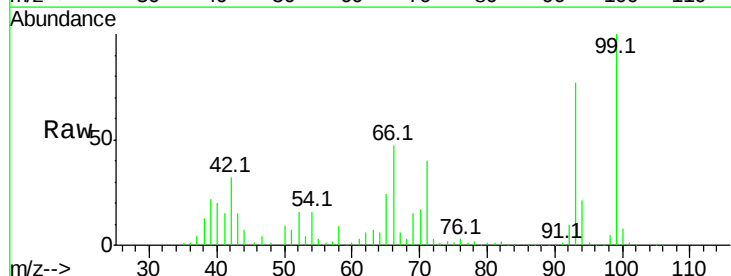
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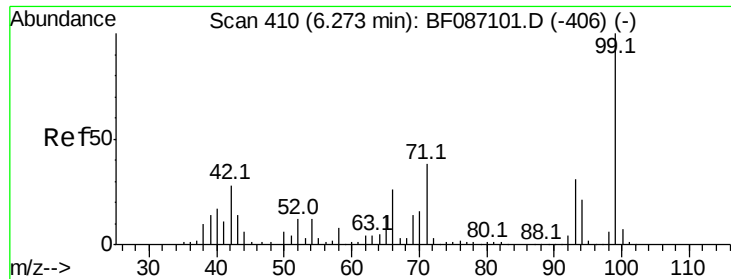
Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 93    | Resp: | 1140276 |
| Ion Ratio | Lower | Upper |         |
| 93        | 100   |       |         |
| 66        | 61.6  | 39.0  | 58.6#   |
| 65        | 31.2  | 20.6  | 31.0#   |





#7

Phenol-d6

Concen: 151.01 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion: 99 Resp: 1786249

Ion Ratio Lower Upper

99 100

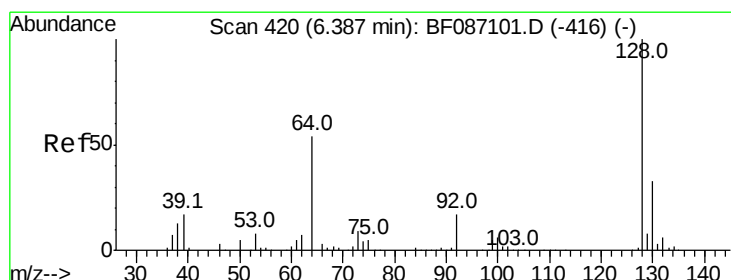
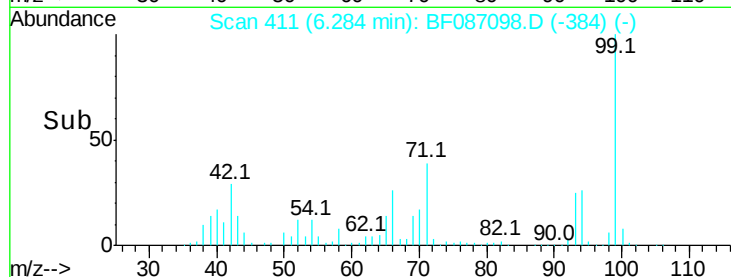
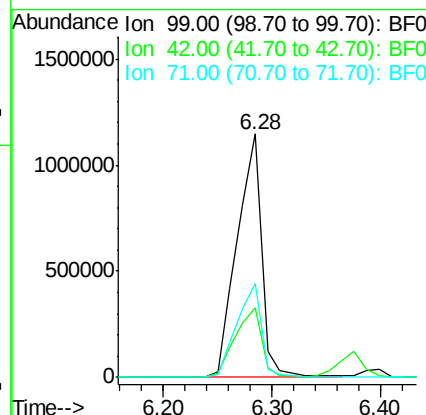
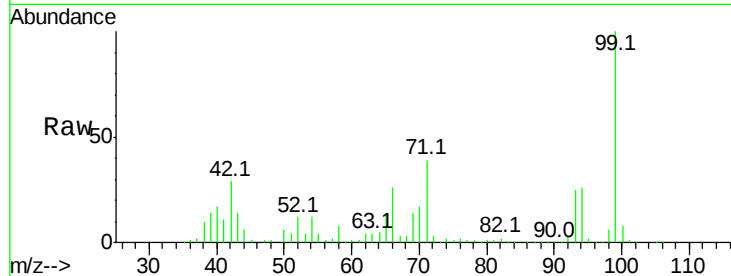
42 28.7 13.6 20.4#

71 38.8 24.6 36.8#

Manual Integrations  
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#8

2-Chlorophenol

Concen: 76.82 ng

RT: 6.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

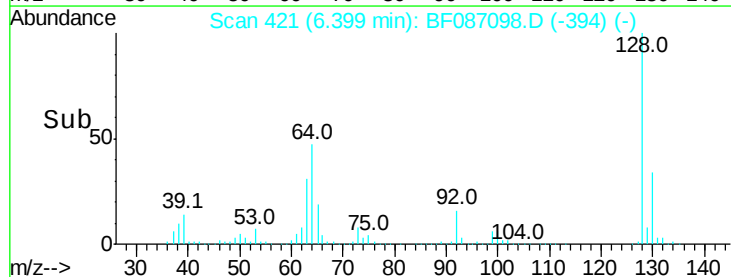
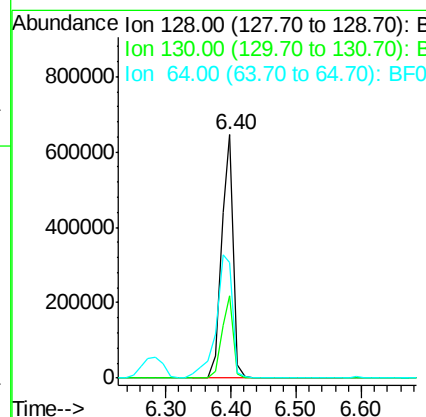
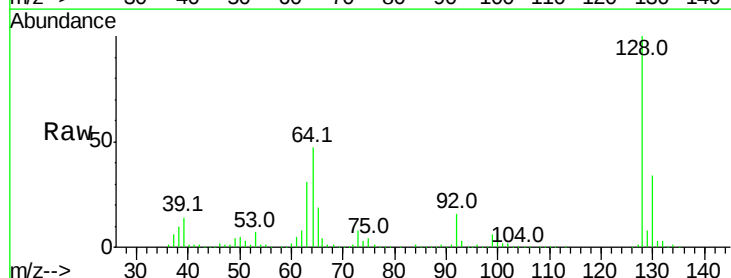
Tgt Ion: 128 Resp: 820437

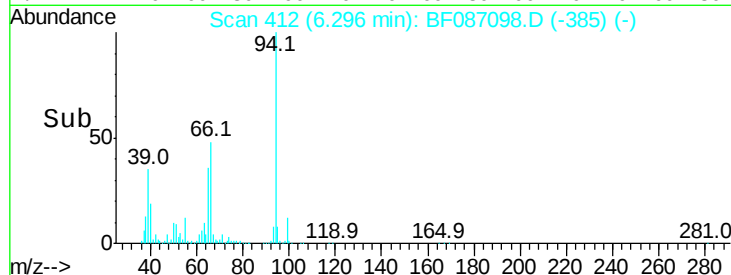
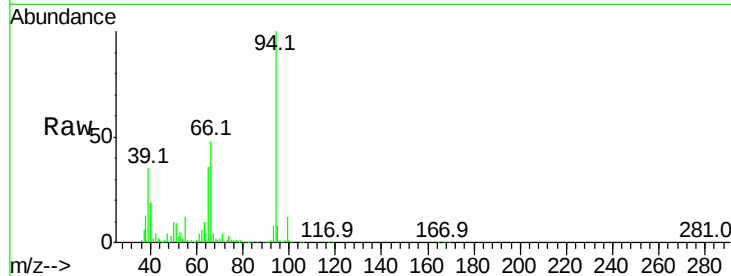
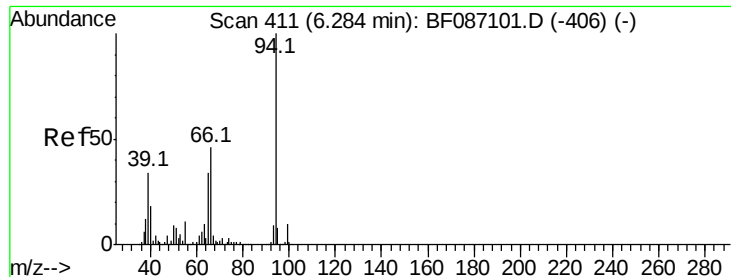
Ion Ratio Lower Upper

128 100

130 34.0 12.5 52.5

64 47.5 27.3 67.3





#10

Phenol

Concen: 82.43 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Tot Ion: 94 Resp: 1158962

Ion Ratio Lower Upper

94 100

65 35.7 7.2 47.2

66 47.7 14.9 54.9

Instrument :

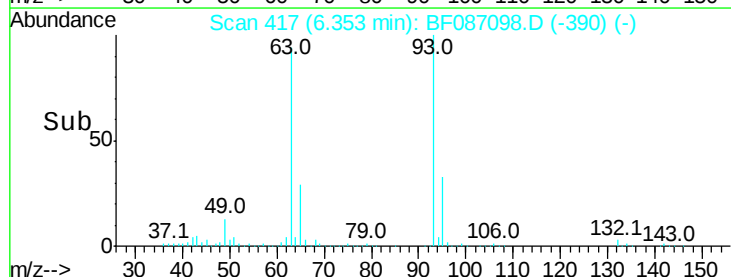
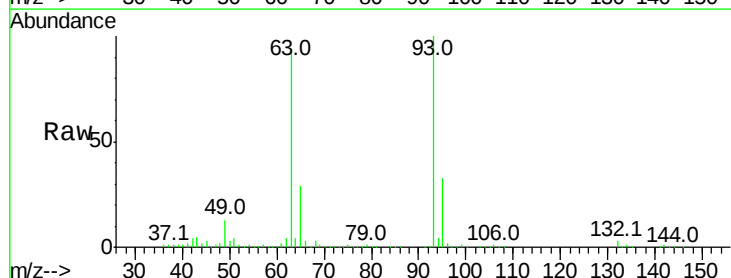
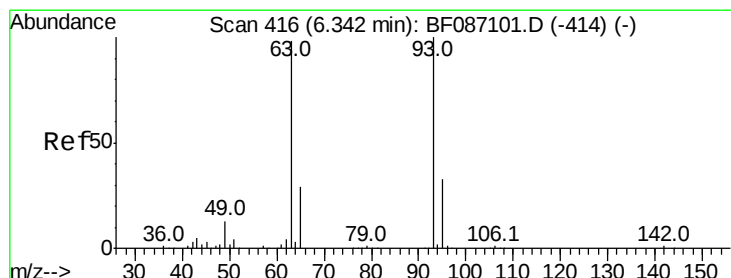
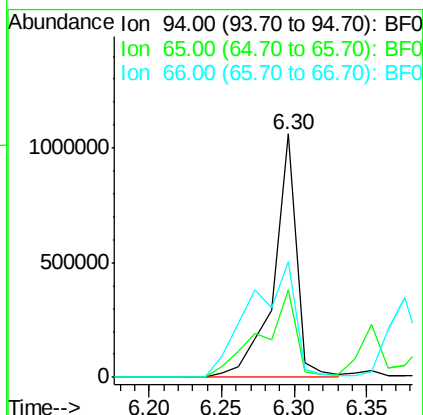
BNA\_F

ClientSampleId :

SSTDICC080

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#11

bis(2-Chloroethyl)ether

Concen: 77.08 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

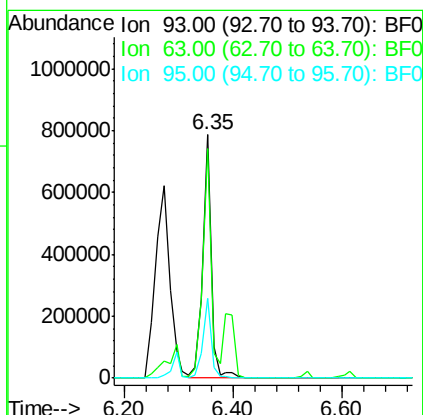
Tgt Ion: 93 Resp: 844982

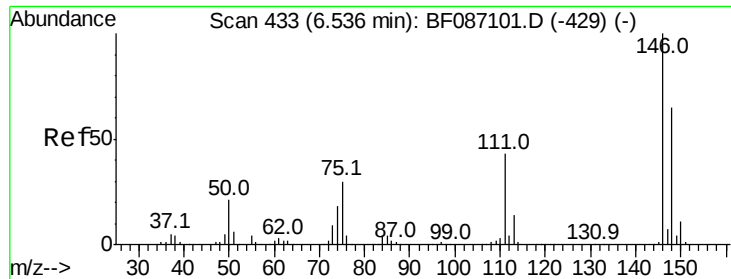
Ion Ratio Lower Upper

93 100

63 94.5 58.0 98.0

95 32.9 11.9 51.9





#12

1,3-Dichlorobenzene

Concen: 69.88 ng m

RT: 6.54 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:146 Resp: 807628

Ion Ratio Lower Upper

146 100

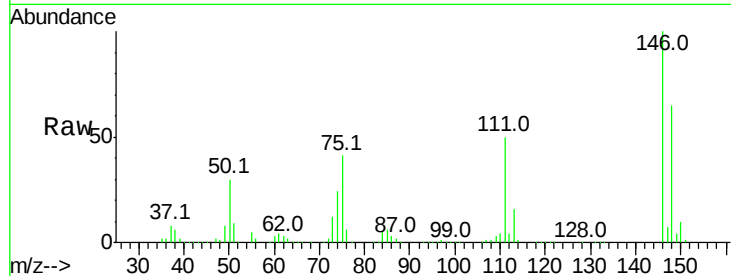
148 64.9 52.4 78.6

75 40.5 22.8 34.2#

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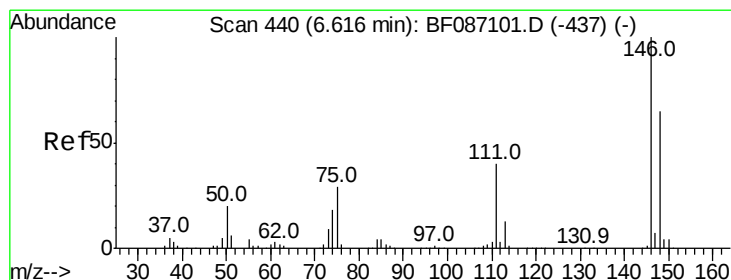
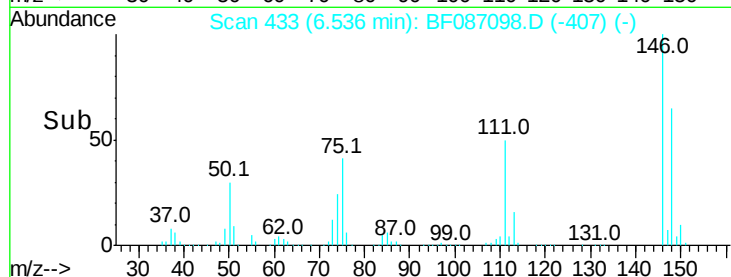
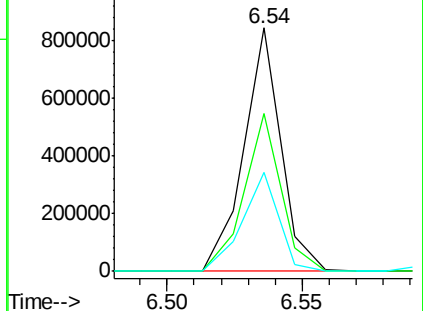
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Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 71.37 ng m

RT: 6.62 min Scan# 440

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

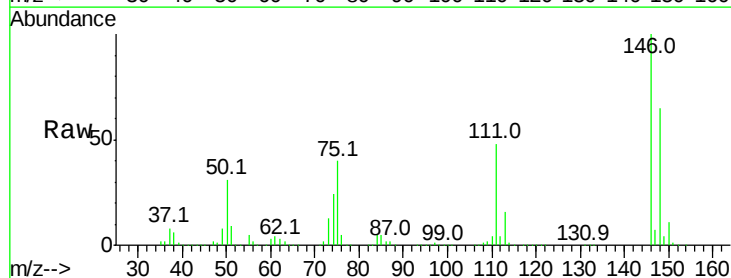
Tgt Ion:146 Resp: 841215

Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.4

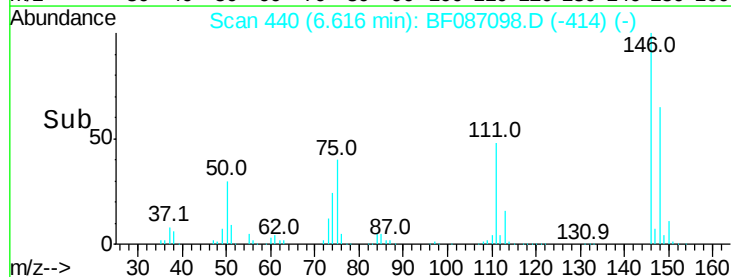
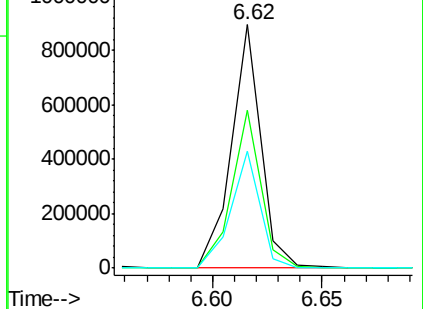
111 47.9 30.7 46.1#

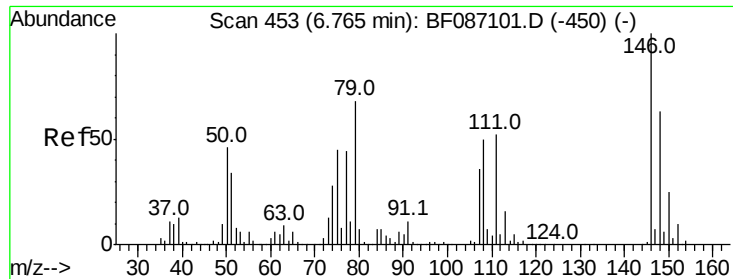


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





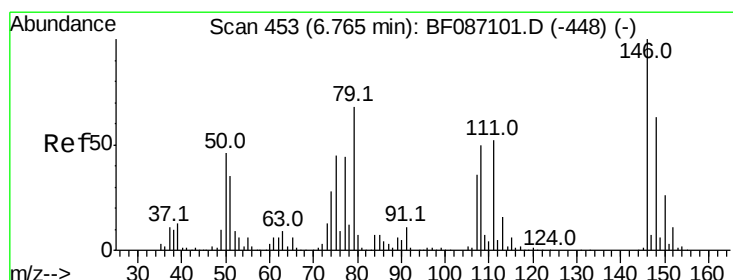
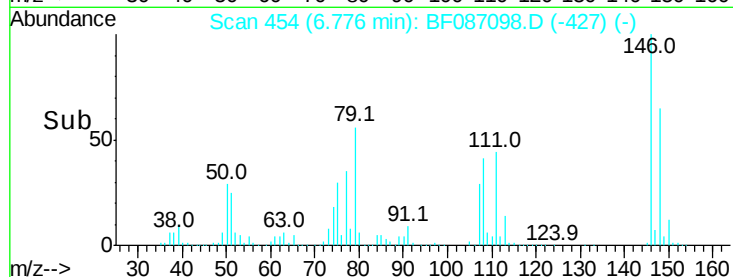
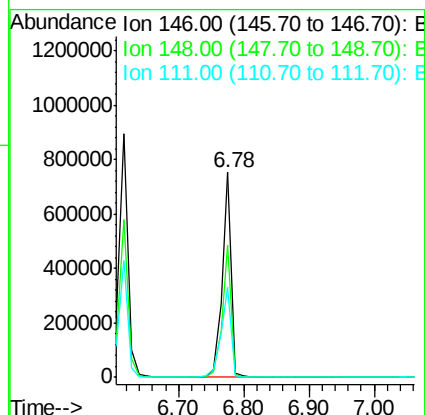
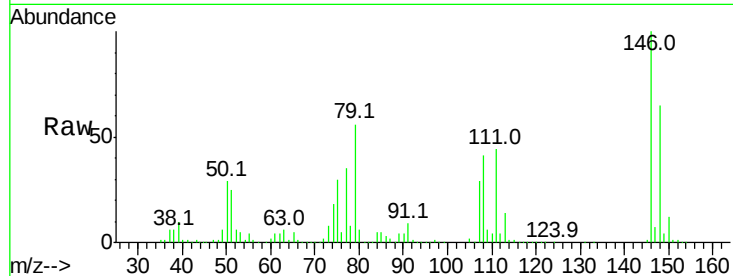
#14  
 1,2-Dichlorobenzene  
 Concen: 72.51 ng  
 RT: 6.78 min Scan# 454  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 744851 |       |       |
| 148     | 64.8  | 51.0   | 76.6  |       |
| 111     | 43.7  | 36.2   | 54.4  |       |

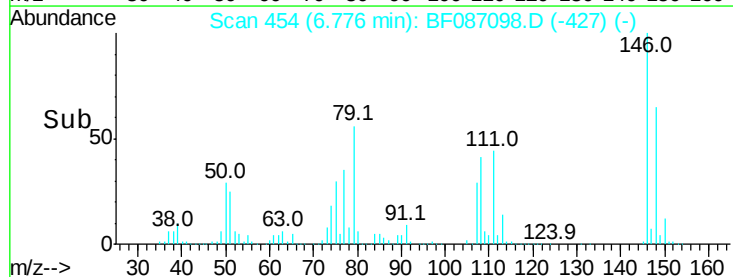
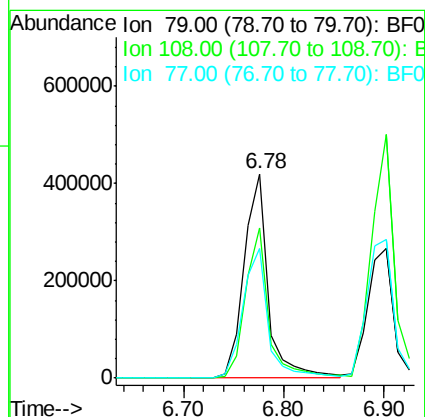
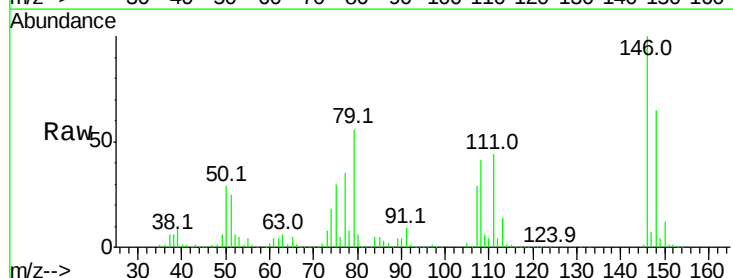
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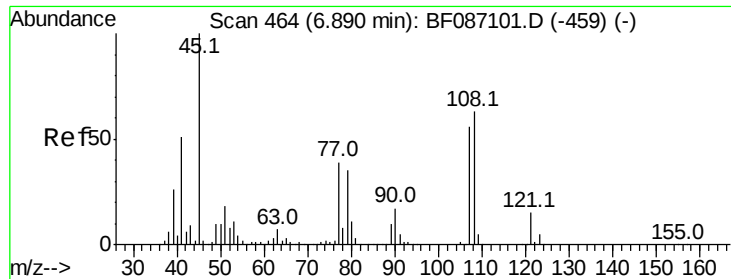
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#15  
 Benzyl Alcohol  
 Concen: 86.44 ng  
 RT: 6.78 min Scan# 454  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 706063 |       |       |
| 108     | 73.5  | 68.4   | 102.6 |       |
| 77      | 63.6  | 50.6   | 76.0  |       |





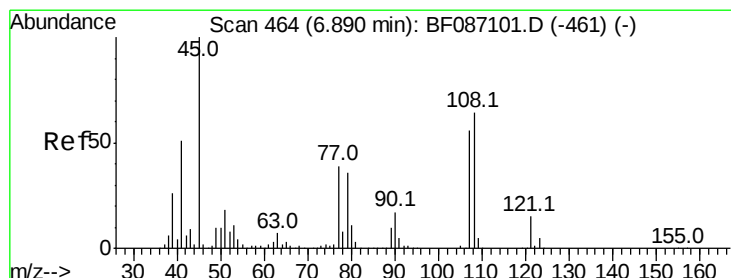
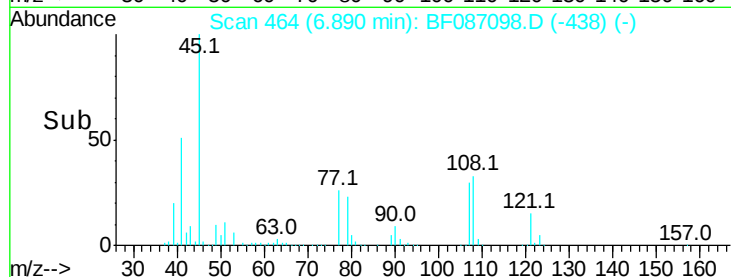
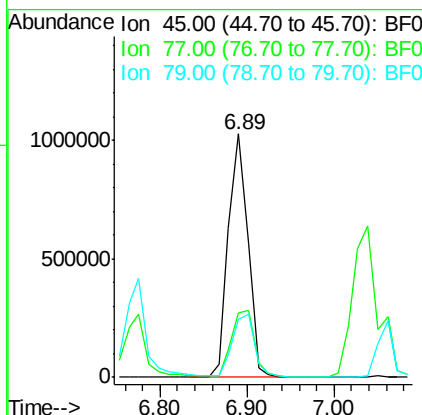
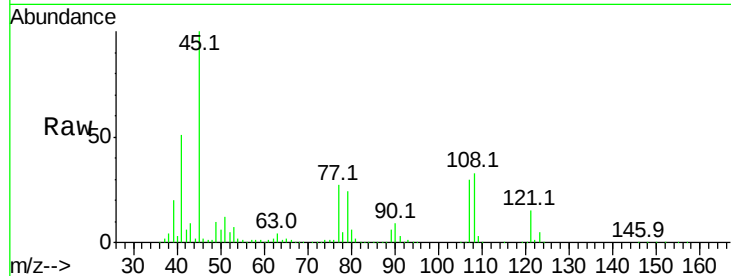
#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 67.09 ng  
RT: 6.89 min Scan# 464  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 26.6  | 0.0   | 36.4  |
| 79      | 23.6  | 0.0   | 33.4  |

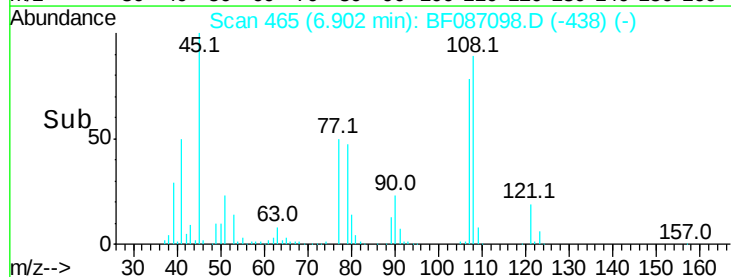
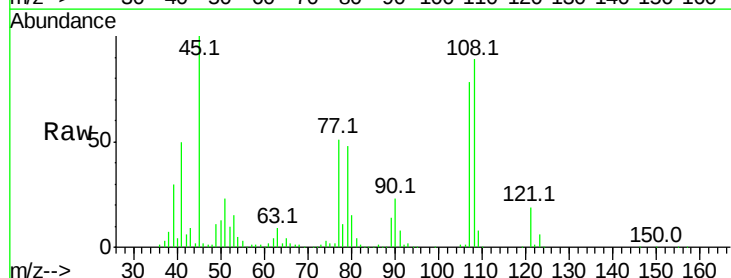
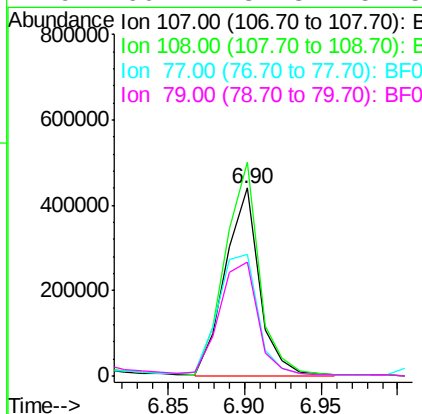
Manual Integrations  
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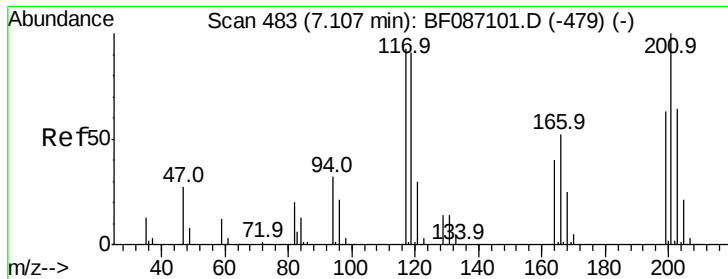
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#17  
2-Methylphenol  
Concen: 81.11 ng m  
RT: 6.90 min Scan# 465  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.8 | 93.7  | 140.5 |
| 77      | 64.8  | 33.4  | 50.0# |
| 79      | 60.7  | 34.3  | 51.5# |





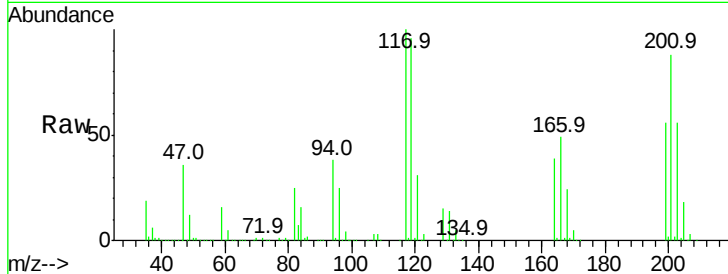
#18  
Hexachloroethane  
Concen: 77.36 ng  
RT: 7.11 min Scan# 483  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 343073 |       |       |
| 119     | 95.7  | 76.5   | 114.7 |       |
| 201     | 88.2  | 63.0   | 94.6  |       |

Manual Integrations  
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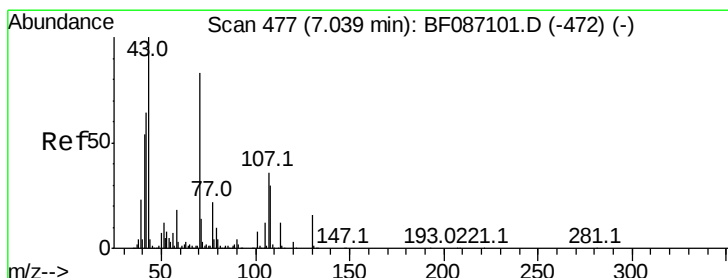
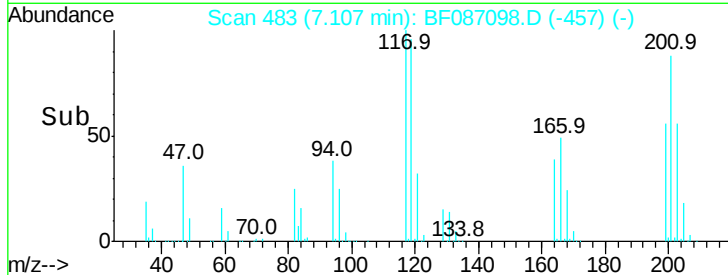
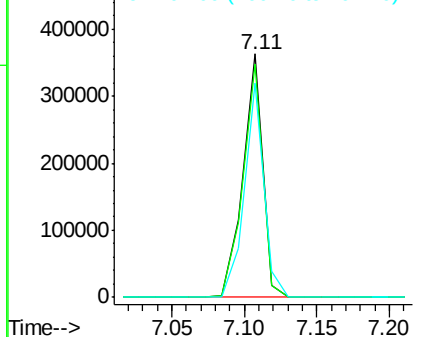


Abundance

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: 80.30 ng  
RT: 7.05 min Scan# 478  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 70      | 100   | 663778 |       |       |
| 42      | 77.3  | 43.1   | 64.7# |       |
| 101     | 9.1   | 8.1    | 12.1  |       |
| 130     | 18.4  | 18.6   | 28.0# |       |

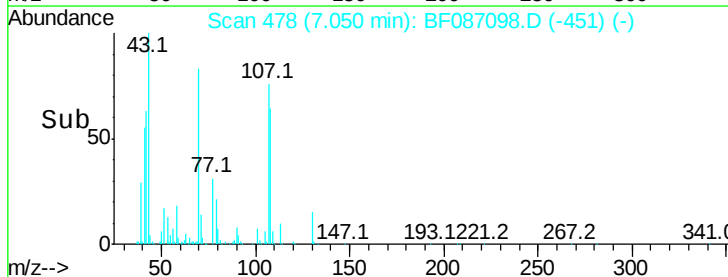
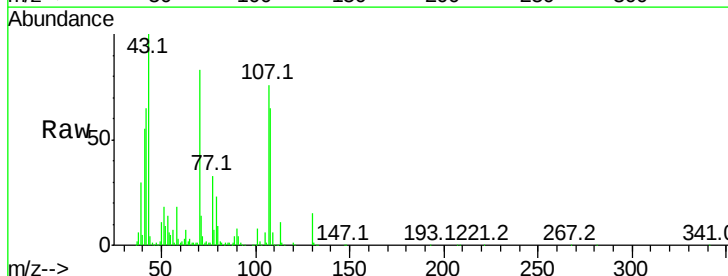
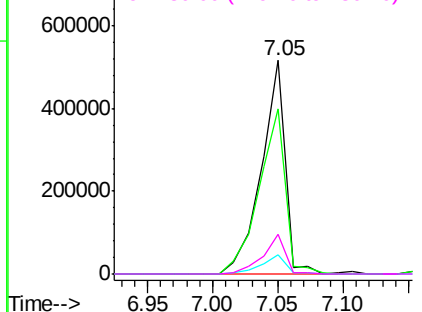
Abundance

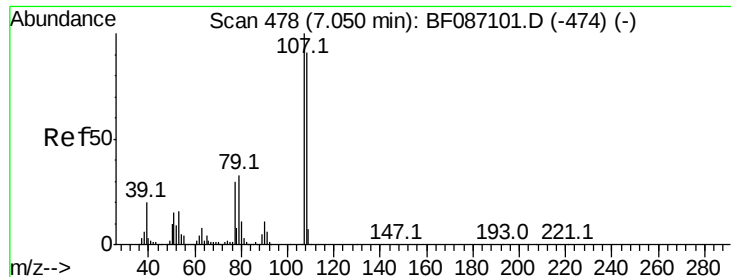
Ion 70.00 (69.70 to 70.70): BF0

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: 80.54 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

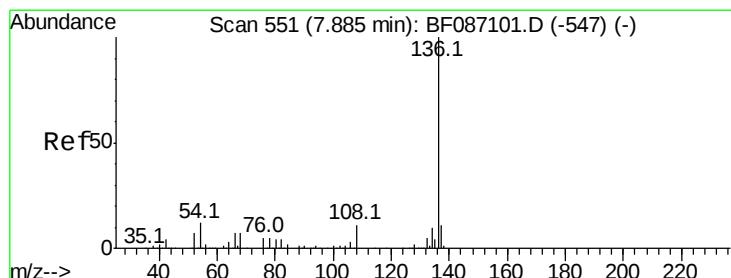
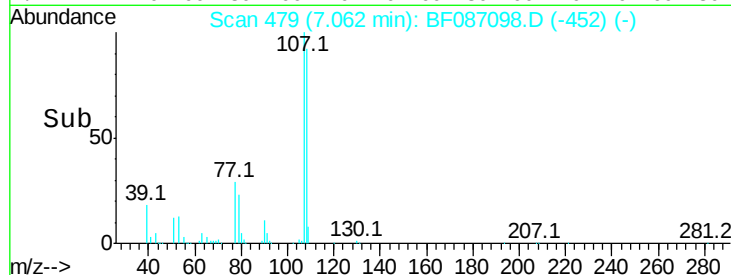
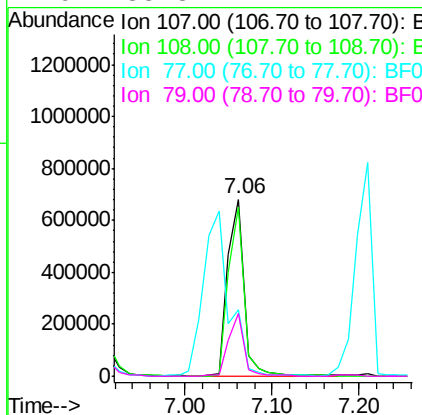
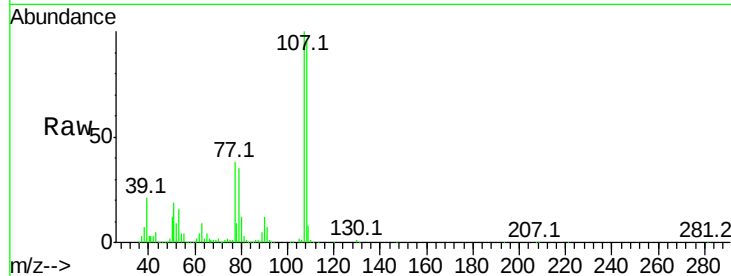
ClientSampleId :

SSTDIC080

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 107  | 100   | 893990 |       |       |
| 108     | 95.3 | 68.5  | 108.5  |       |       |
| 77      | 37.9 | 101.6 | 141.6# |       |       |
| 79      | 35.3 | 7.4   | 47.4   |       |       |

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#21

Naphthalene-d8

Concen: 20.00 ng

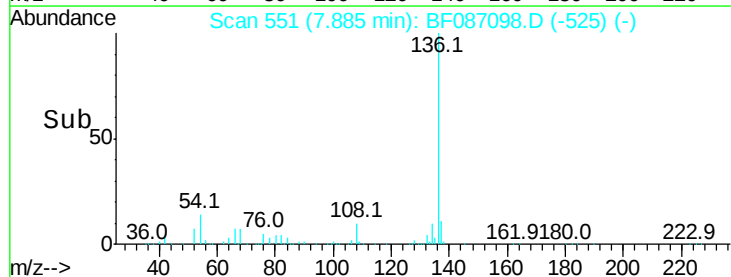
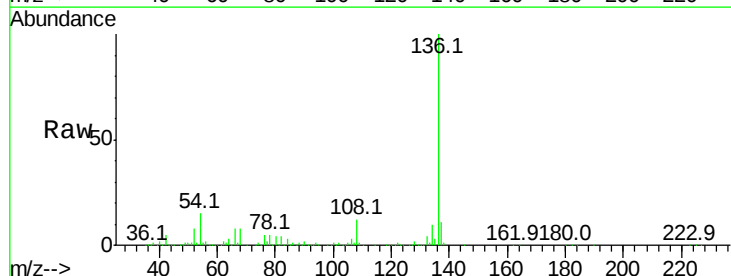
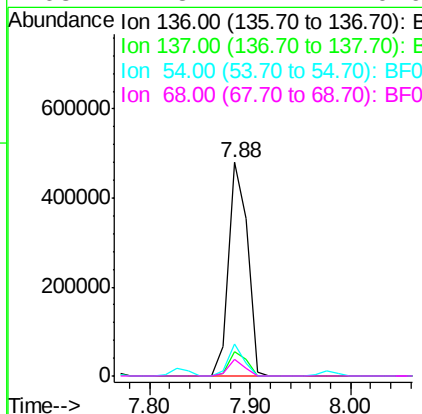
RT: 7.88 min Scan# 551

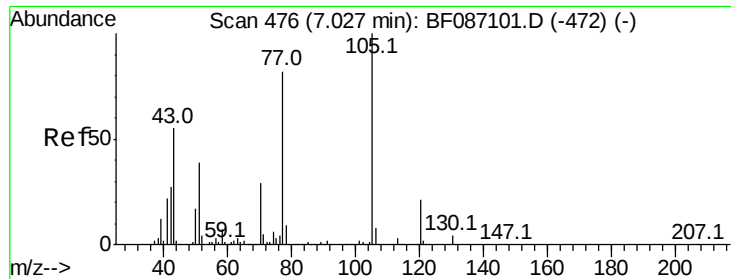
Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 136  | 100   | 625390 |       |       |
| 137     | 11.4 | 8.8   | 13.2   |       |       |
| 54      | 14.8 | 5.0   | 7.4#   |       |       |
| 68      | 7.8  | 4.4   | 6.6#   |       |       |





#22

Acetophenone

Concen: 82.46 ng

RT: 7.04 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:105 Resp: 1218150

Ion Ratio Lower Upper

105 100

71 6.0 4.8 7.2

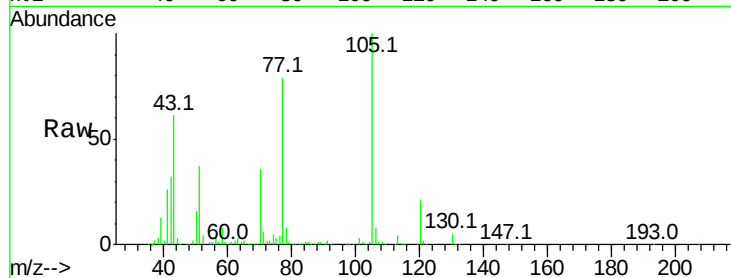
51 36.9 32.6 49.0

120 20.7 16.5 24.7

Manual Integrations  
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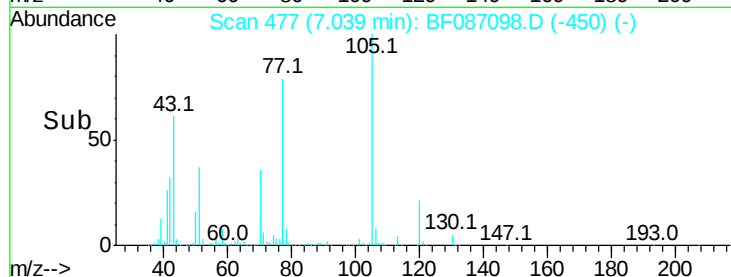
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

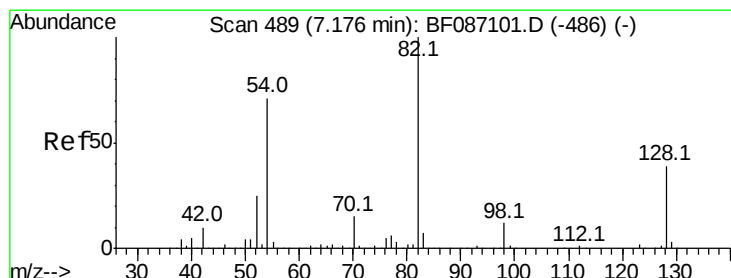
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 147.54 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

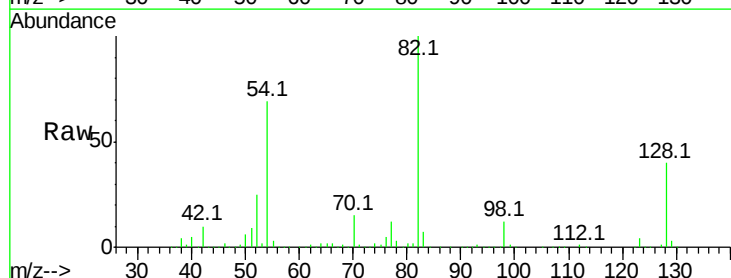
Tgt Ion: 82 Resp: 1837623

Ion Ratio Lower Upper

82 100

128 40.2 40.6 61.0#

54 69.5 38.1 57.1#

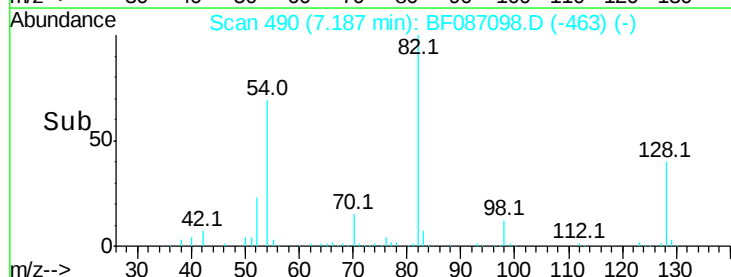


Abundance Ion 82.00 (81.70 to 82.70): BF0

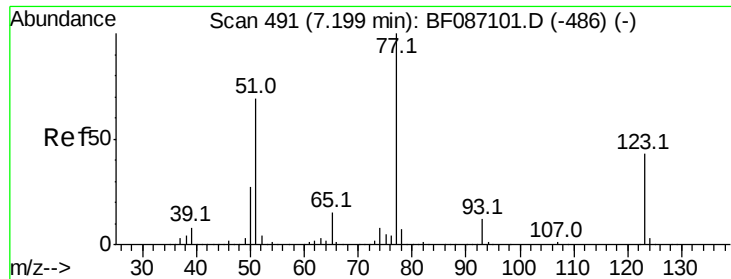
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



Time-->



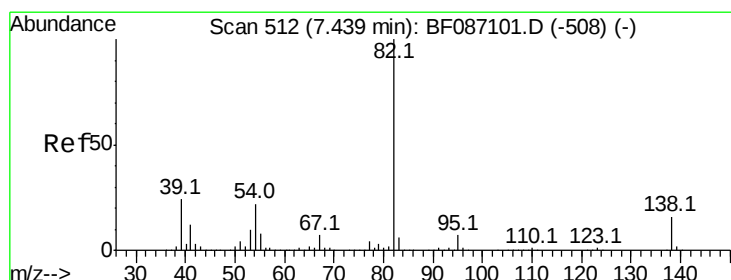
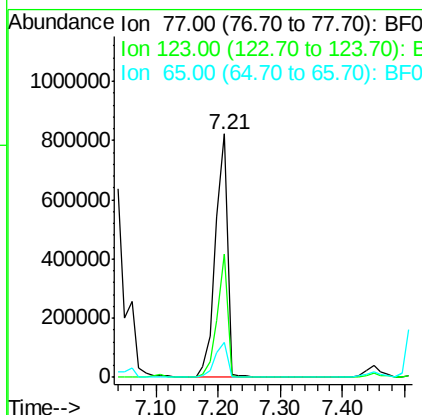
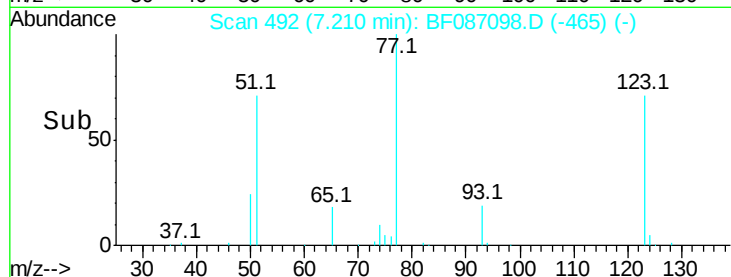
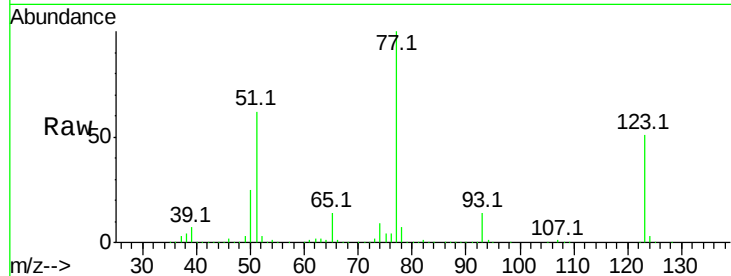
#24  
Nitrobenzene  
Concen: 84.07 ng  
RT: 7.21 min Scan# 492  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion: 77 Resp: 1077150  
Ion Ratio Lower Upper  
77 100  
123 50.7 33.0 49.4#  
65 14.5 10.8 16.2

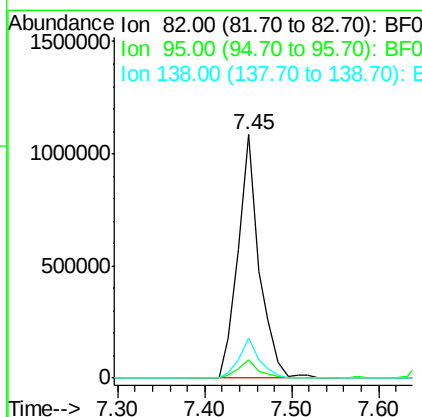
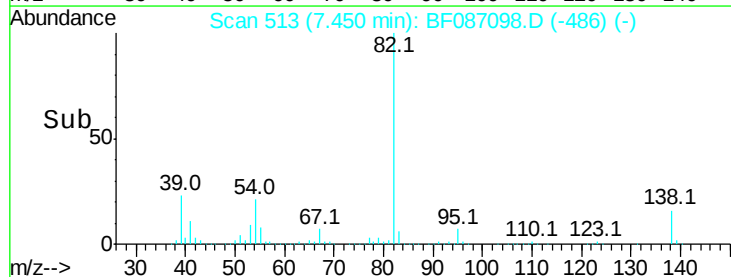
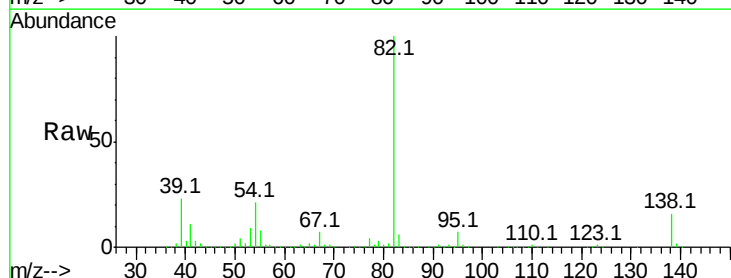
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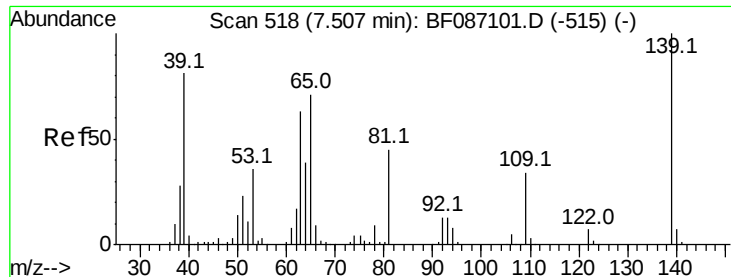
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#25  
Isophorone  
Concen: 79.36 ng  
RT: 7.45 min Scan# 513  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Tgt Ion: 82 Resp: 1833938  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.1 7.7  
138 16.2 12.4 18.6





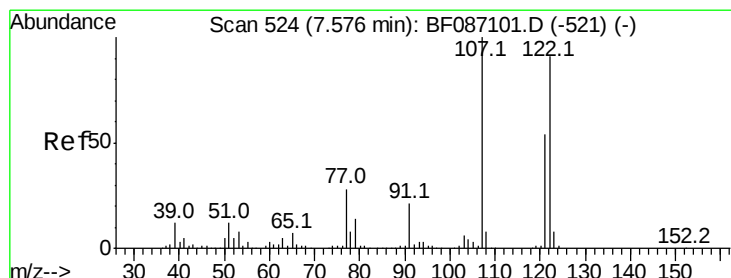
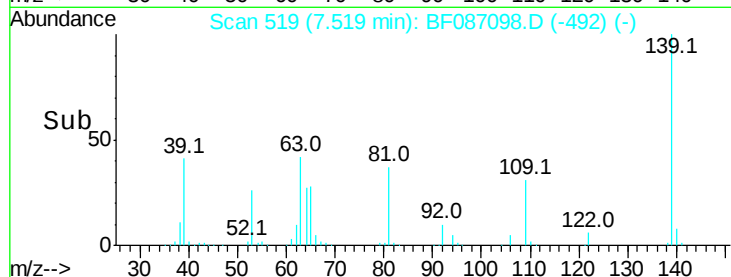
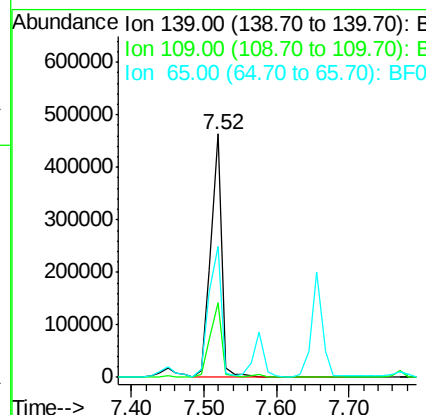
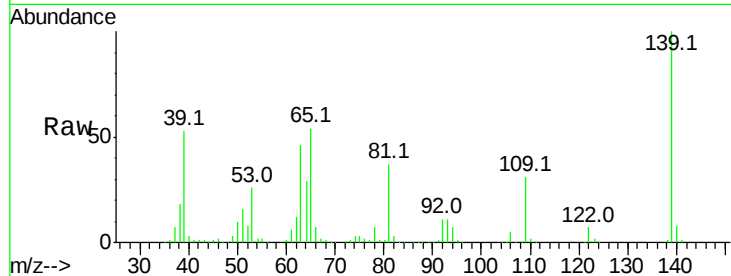
#26  
2-Nitrophenol  
Concen: 87.72 ng  
RT: 7.52 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 493988 |       |       |
| 109     | 30.7  | 19.5   | 29.3# |       |
| 65      | 54.0  | 37.5   | 56.3  |       |

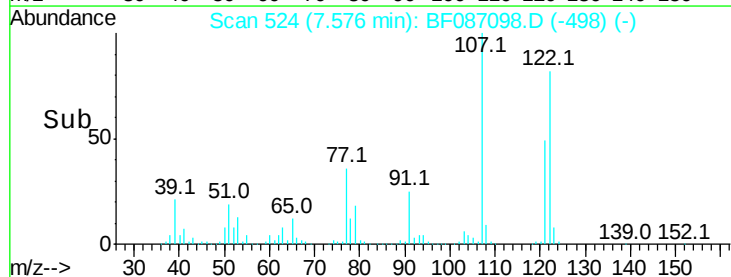
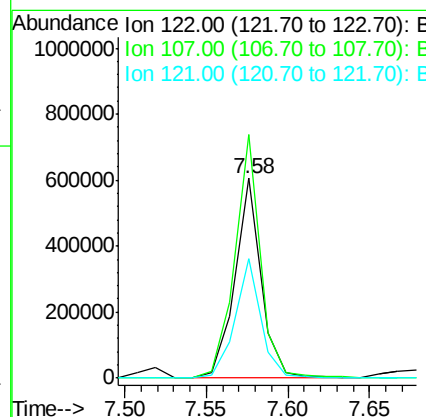
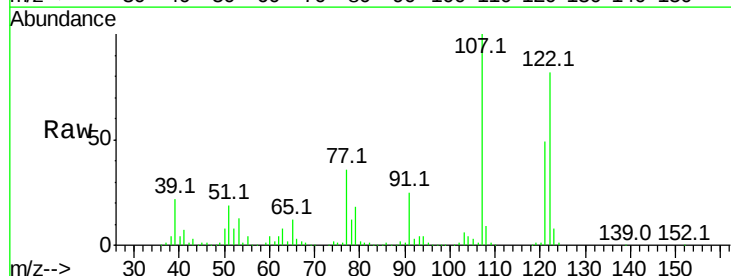
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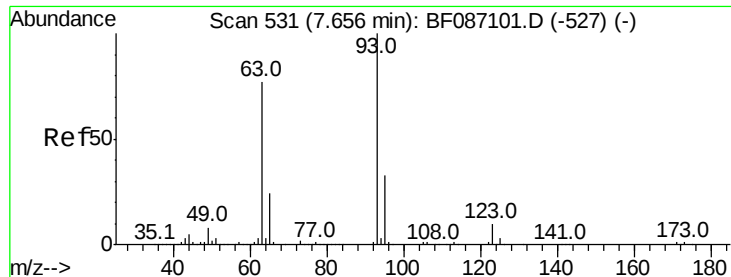
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#27  
2,4-Dimethylphenol  
Concen: 69.47 ng  
RT: 7.58 min Scan# 524  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 666420 |       |       |
| 107     | 121.8 | 82.0   | 123.0 |       |
| 121     | 59.9  | 46.1   | 69.1  |       |





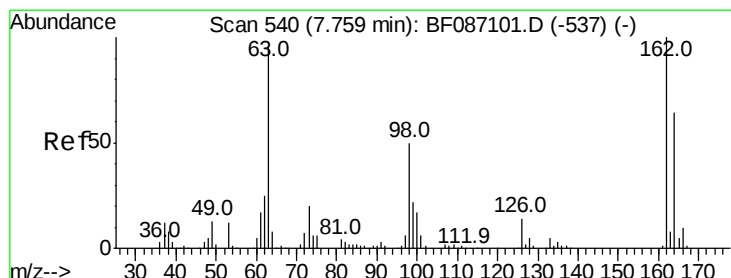
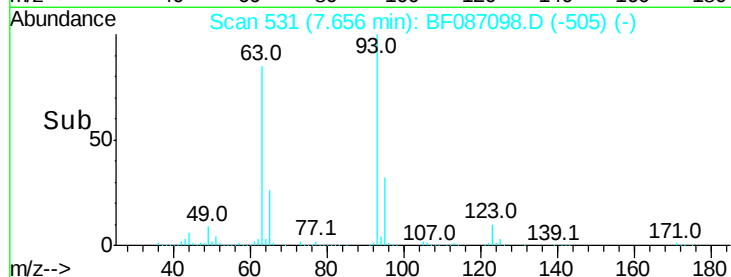
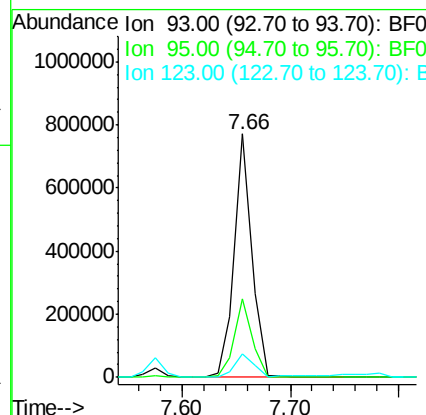
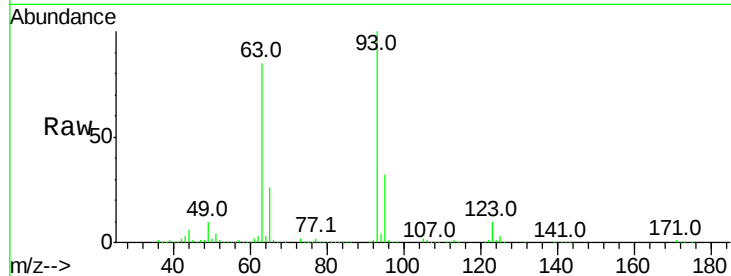
#28  
bis(2-Chloroethoxy)methane  
Concen: 69.31 ng  
RT: 7.66 min Scan# 531  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 95      | 32.5  | 26.0 | 39.0  |       |
| 123     | 9.7   | 9.5  | 14.3  |       |

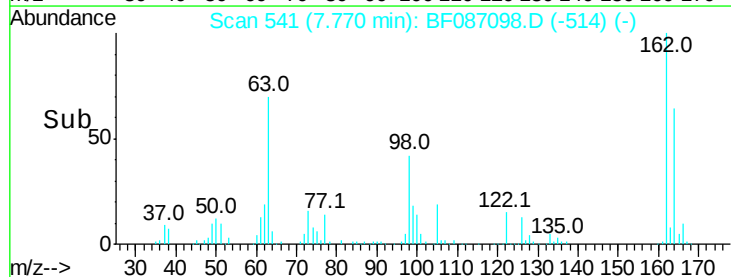
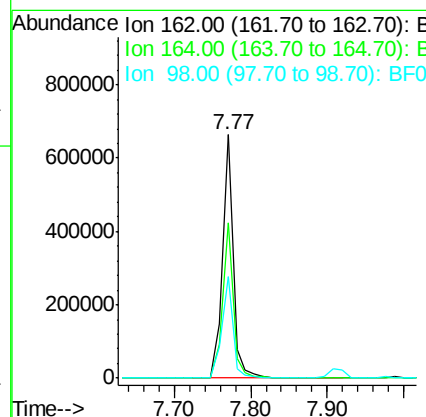
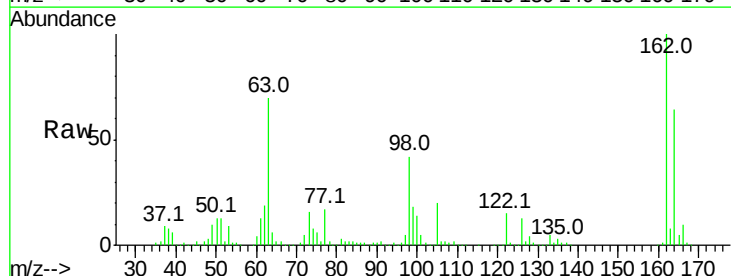
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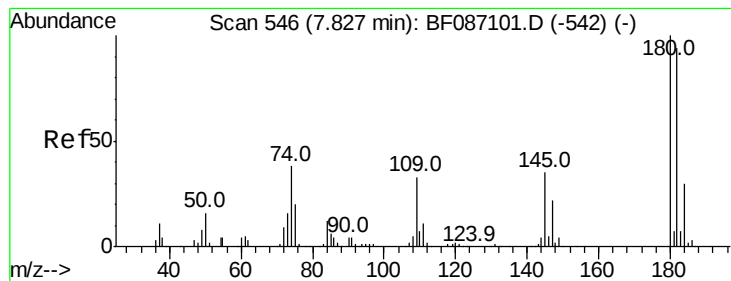
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#29  
2,4-Dichlorophenol  
Concen: 76.59 ng  
RT: 7.77 min Scan# 541  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 164     | 63.5  | 42.2 | 82.2  |       |
| 98      | 41.7  | 19.0 | 59.0  |       |





#30

1,2,4-Trichlorobenzene

Concen: 77.86 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

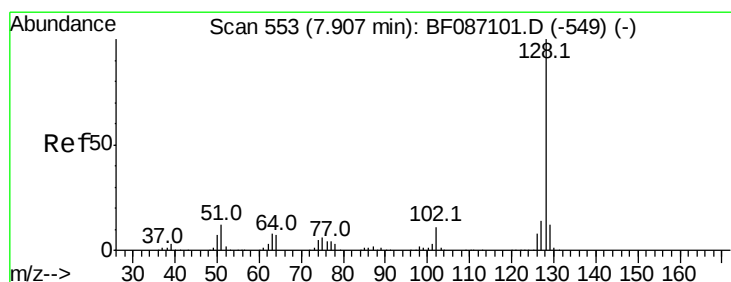
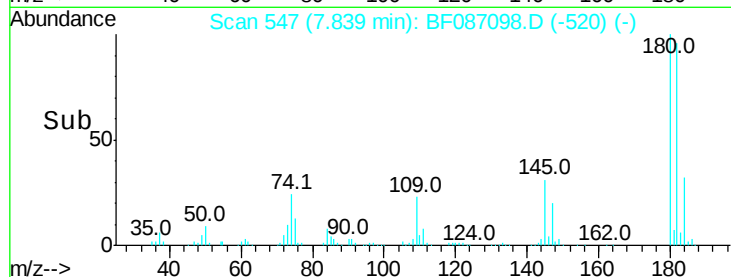
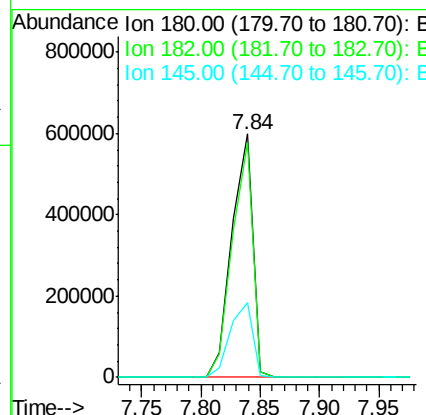
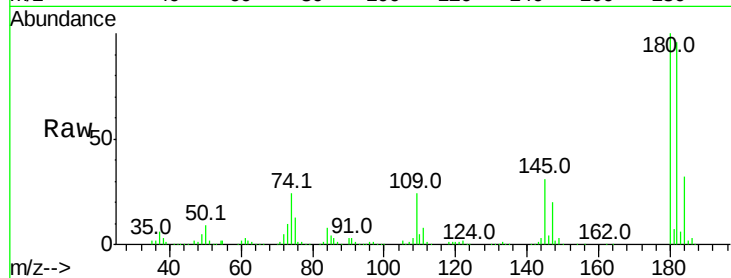
ClientSampleId :

SSTDIC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 735065 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.4  | 78.0  | 117.0  |
| 145       | 30.8  | 24.2  | 36.2   |

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#31

Naphthalene

Concen: 72.58 ng

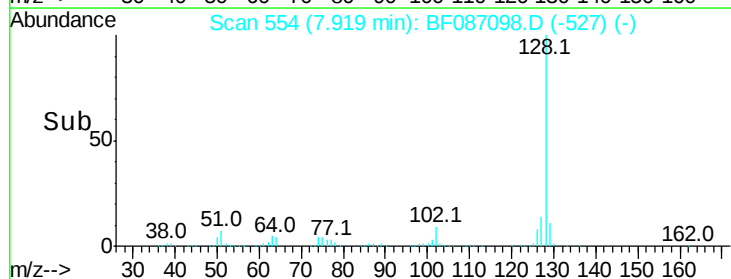
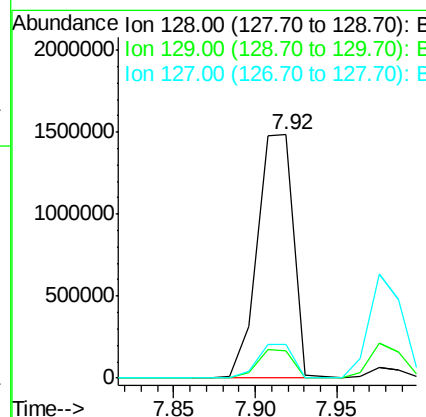
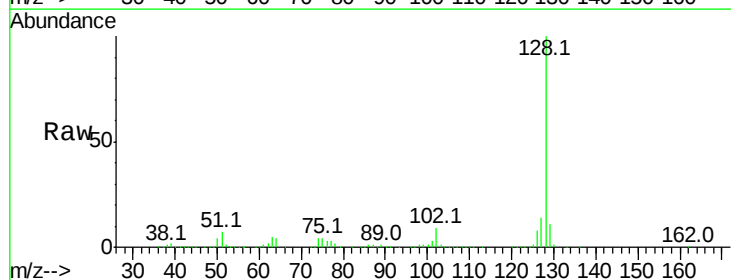
RT: 7.92 min Scan# 554

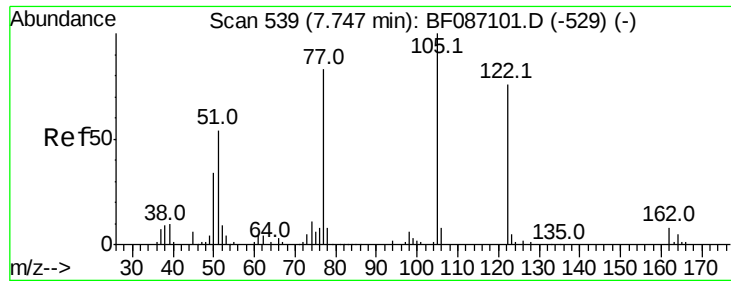
Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 128   | Resp: | 2273514 |
| Ion Ratio | Lower | Upper |         |
| 128       | 100   |       |         |
| 129       | 11.0  | 8.6   | 13.0    |
| 127       | 13.6  | 10.8  | 16.2    |





#32

Benzoic acid

Concen: 91.08 ng

RT: 7.78 min Scan# 542

Delta R.T. 0.03 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

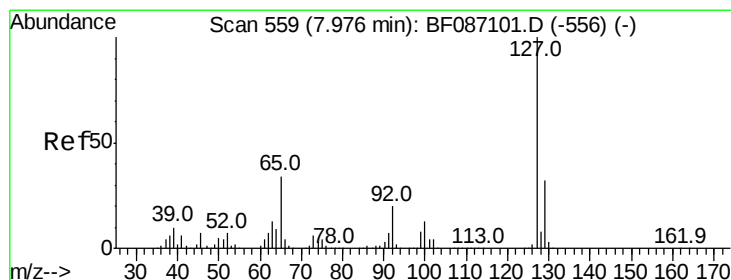
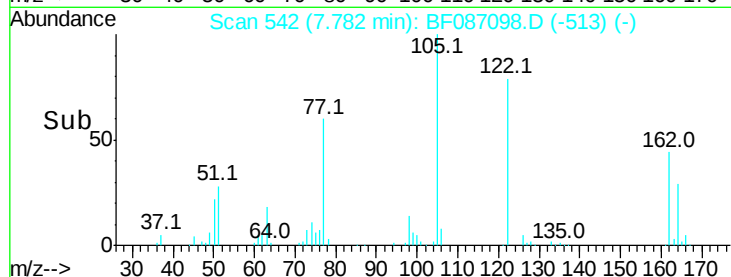
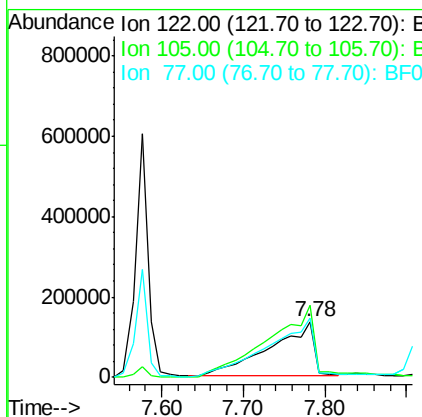
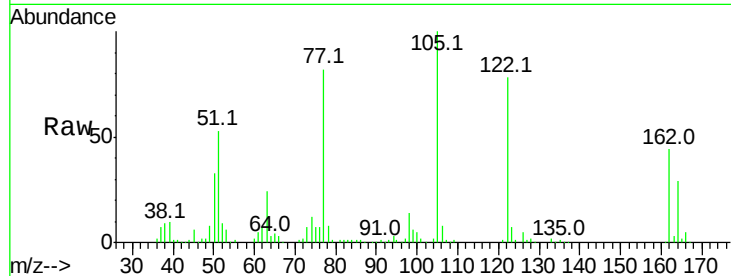
ClientSampleId :

SSTDIC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 513200 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 128.4 | 92.6  | 132.6  |
| 77        | 105.6 | 60.0  | 100.0# |

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#33

4-Chloroaniline

Concen: 78.59 ng

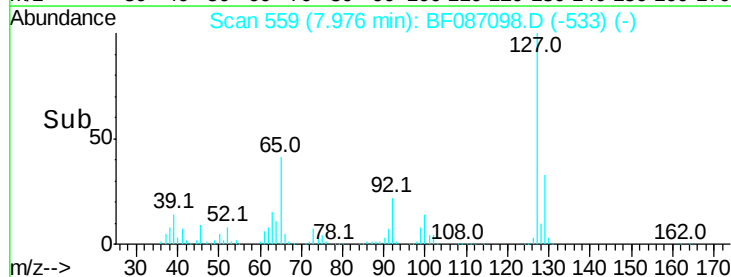
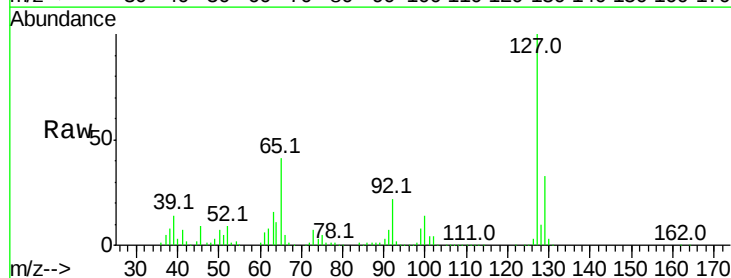
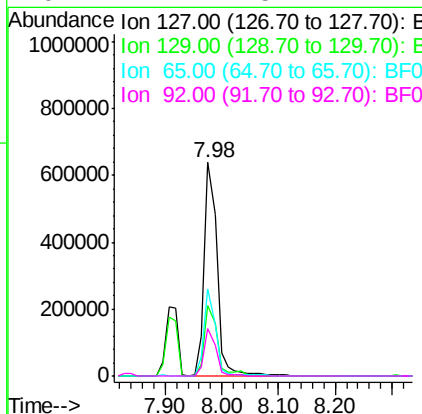
RT: 7.98 min Scan# 559

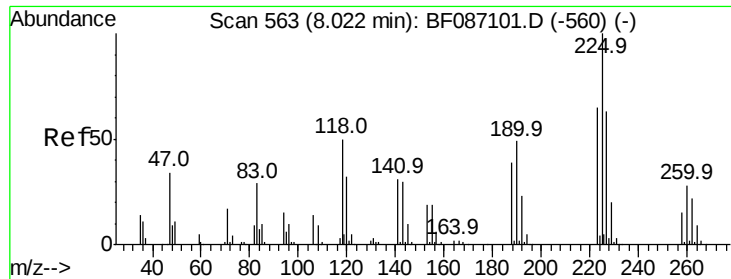
Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 956520 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 32.9  | 26.2  | 39.4   |
| 65        | 41.0  | 23.0  | 34.4#  |
| 92        | 22.4  | 15.1  | 22.7   |





#34

Hexachlorobutadiene

Concen: 75.45 ng

RT: 8.03 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

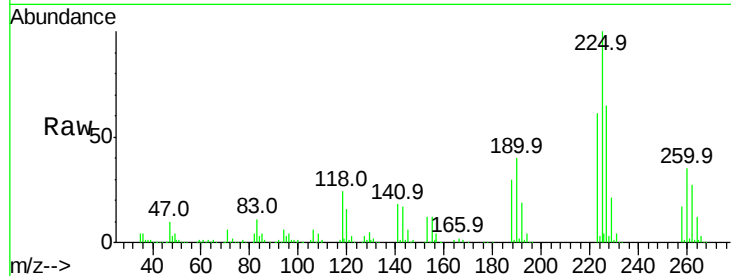
ClientSampleId :

SSTDIC080

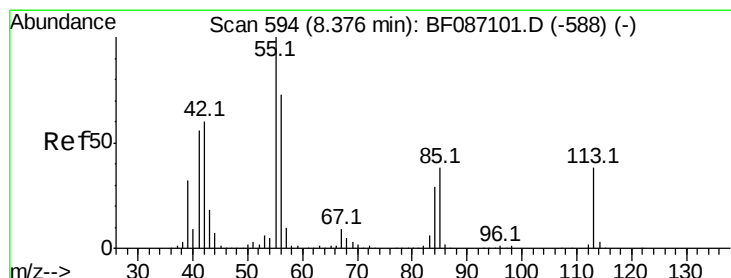
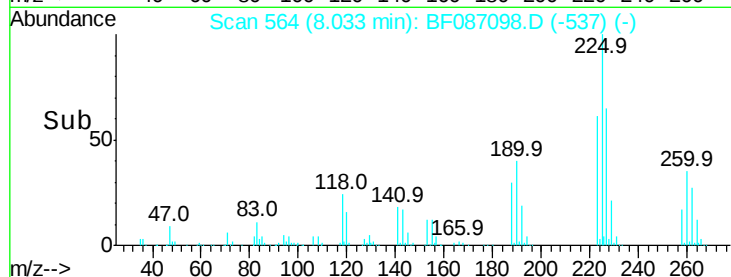
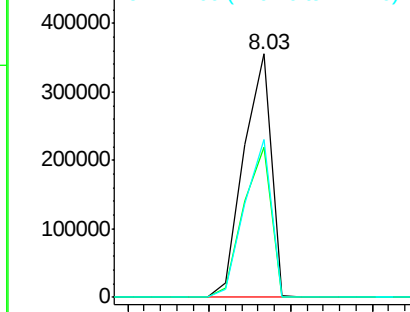
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 225  | Resp: | 413314 |
| Ion Ratio |      | Lower | Upper  |
| 225       | 100  |       |        |
| 223       | 61.5 | 51.5  | 77.3   |
| 227       | 64.6 | 52.2  | 78.2   |

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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: 82.33 ng m

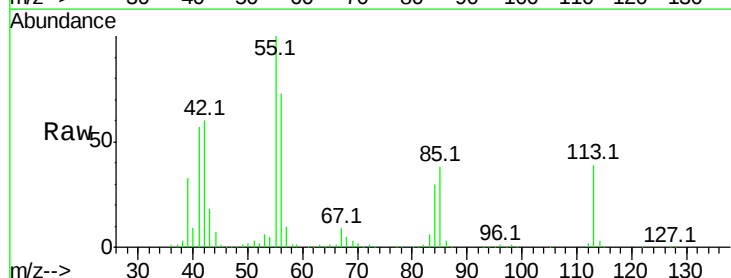
RT: 8.40 min Scan# 596

Delta R.T. 0.02 min

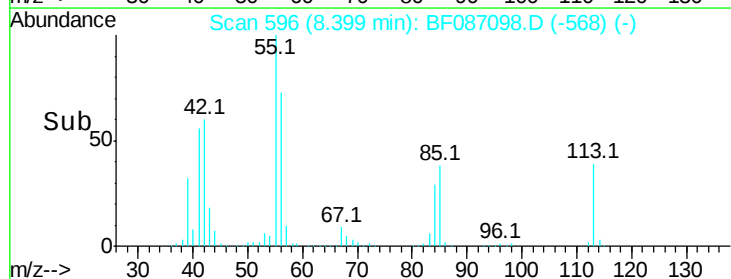
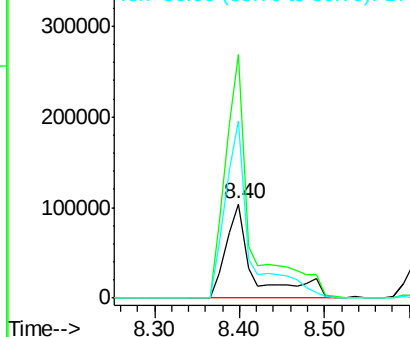
Lab File: BF087098.D

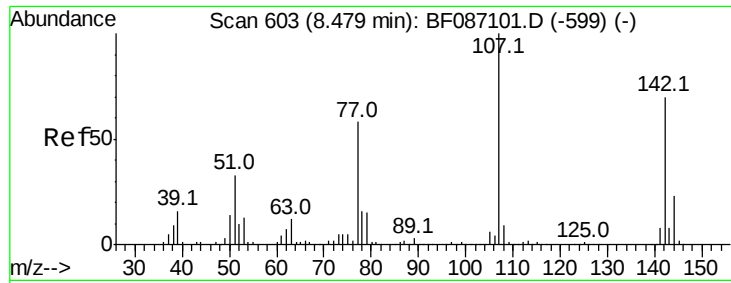
Acq: 17 May 2016 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 236535 |
| Ion Ratio |       | Lower | Upper  |
| 113       | 100   |       |        |
| 55        | 258.2 | 162.0 | 202.0# |
| 56        | 188.1 | 115.3 | 155.3# |



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





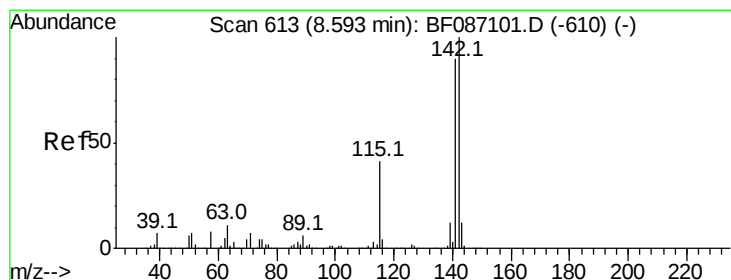
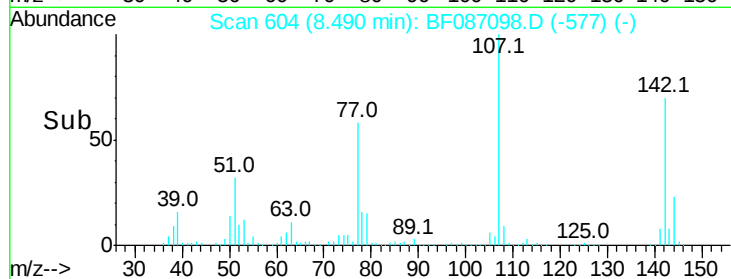
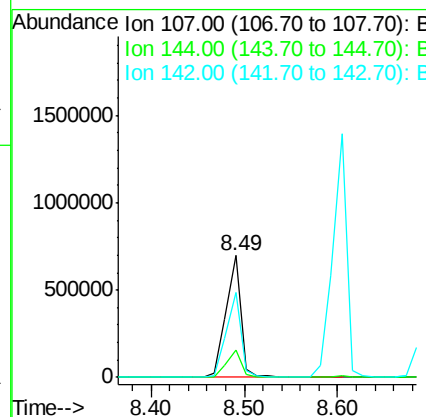
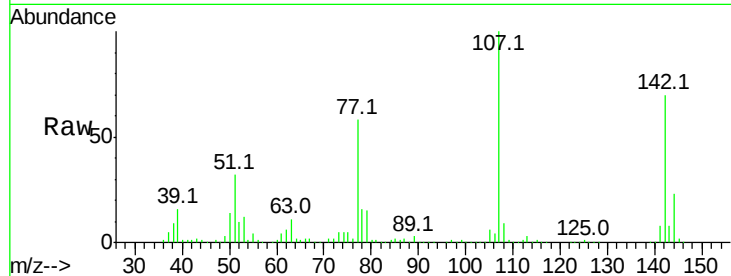
#36  
 4-Chloro-3-methylphenol  
 Concen: 75.99 ng  
 RT: 8.49 min Scan# 604  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 778210 |       |       |
| 144     | 22.7  | 20.7   | 31.1  |       |
| 142     | 69.7  | 63.2   | 94.8  |       |

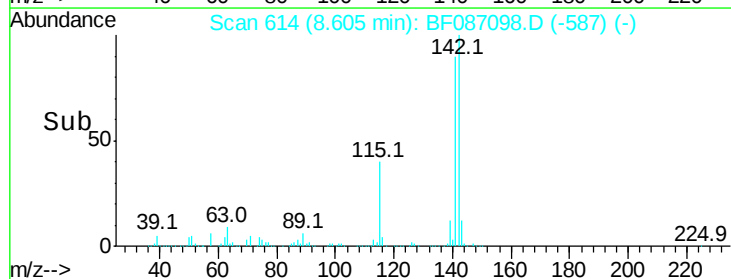
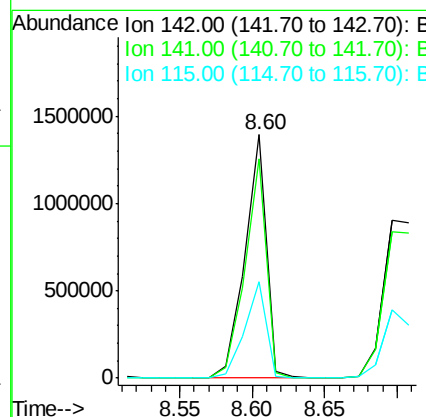
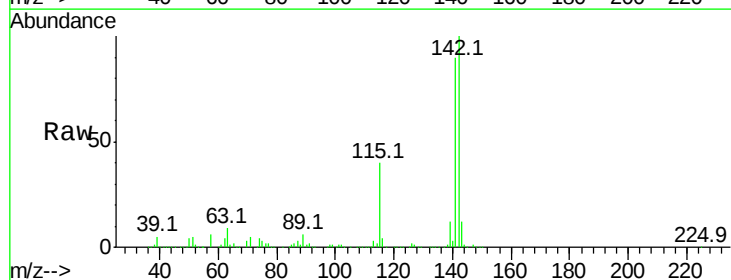
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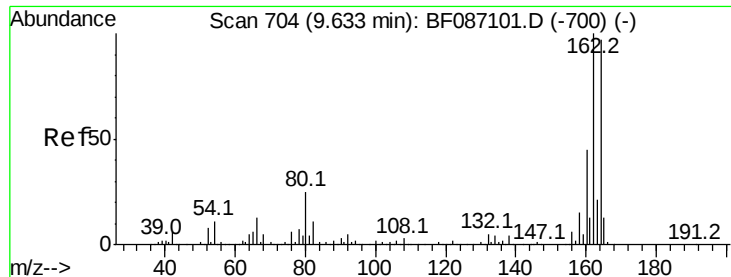
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#37  
 2-Methylnaphthalene  
 Concen: 78.00 ng  
 RT: 8.60 min Scan# 614  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 142     | 100   | 1428430 |       |       |
| 141     | 90.2  | 71.0    | 106.6 |       |
| 115     | 39.6  | 26.6    | 39.8  |       |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

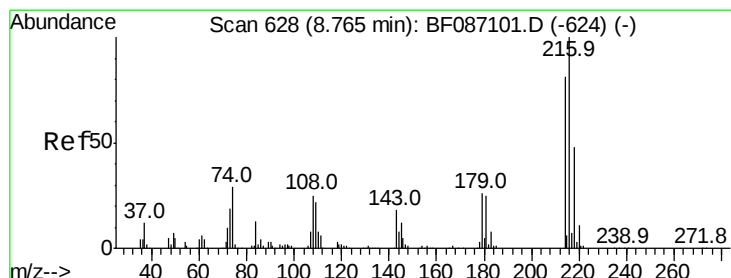
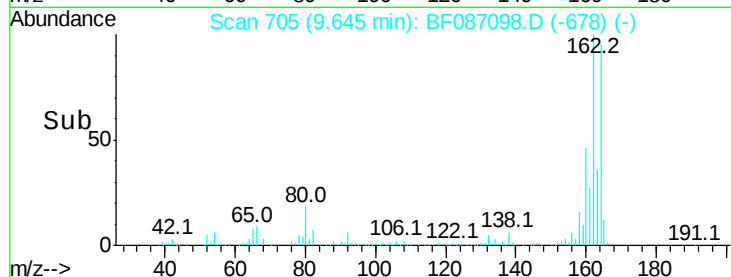
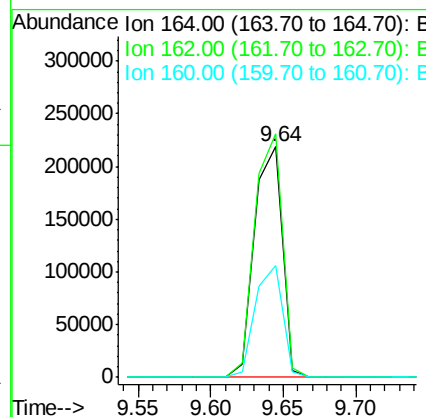
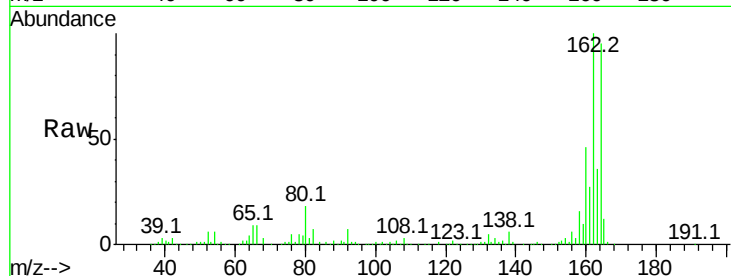
ClientSampleId :

SSTDIC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 291574 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.8 | 82.8  | 124.2  |
| 160       | 48.5  | 36.9  | 55.3   |

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 79.21 ng

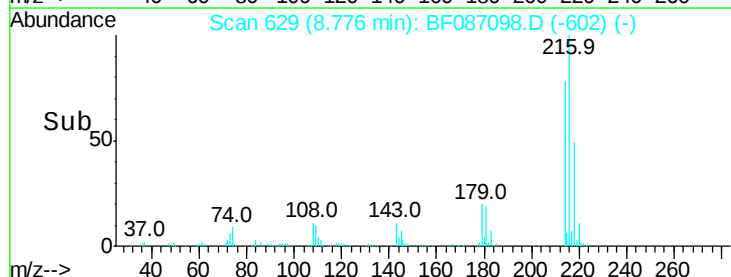
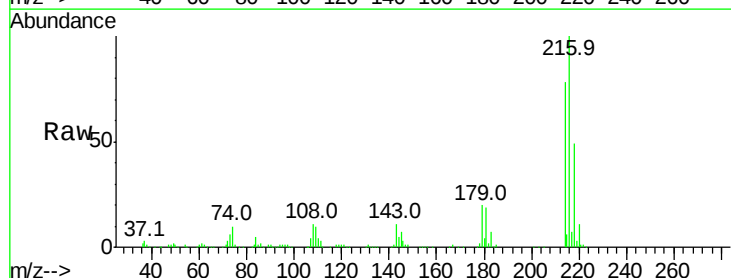
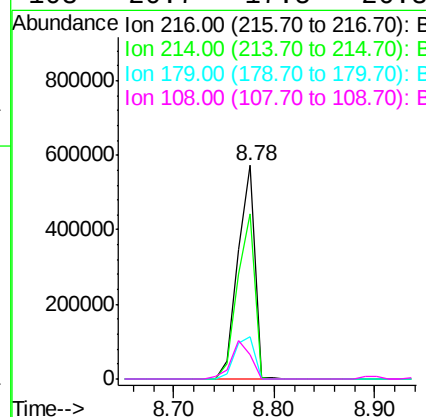
RT: 8.78 min Scan# 629

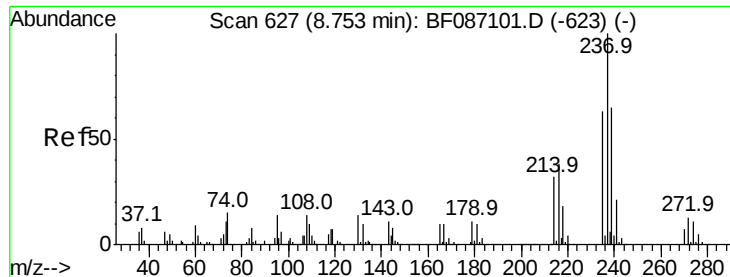
Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 671522 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.0  | 62.6  | 93.8   |
| 179       | 23.0  | 18.2  | 27.4   |
| 108       | 20.7  | 17.5  | 26.3   |





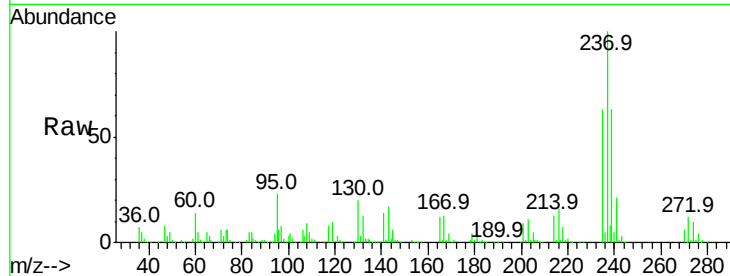
#40  
Hexachlorocyclopentadiene  
Concen: 64.90 ng  
RT: 8.75 min Scan# 627  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

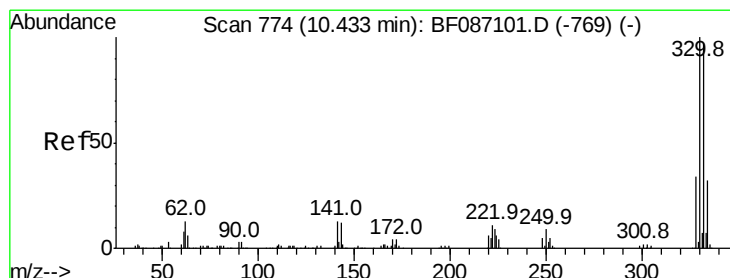
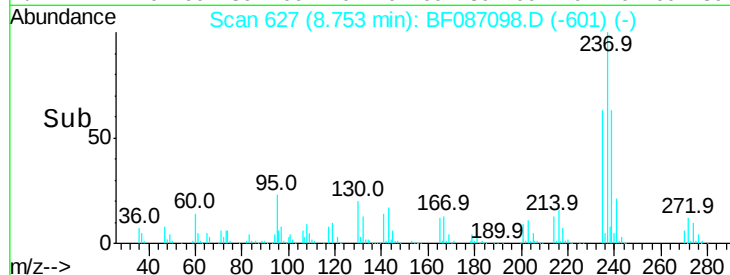
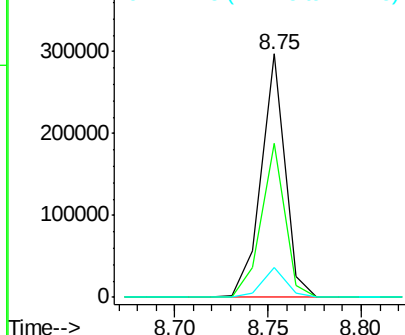
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 63.3  | 47.2       | 87.2  |
| 272     | 12.3  | 0.0        | 31.1  |

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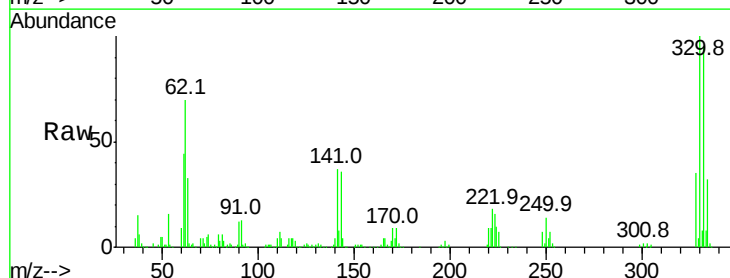


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

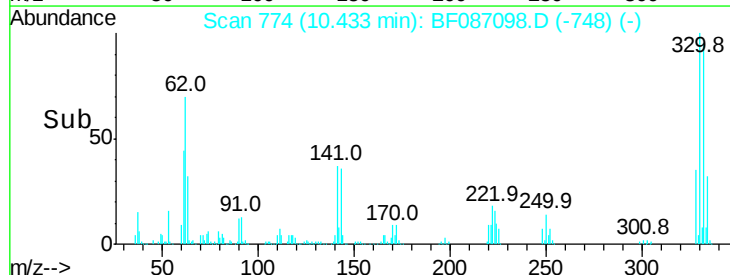
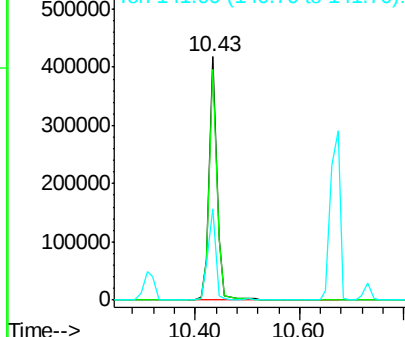


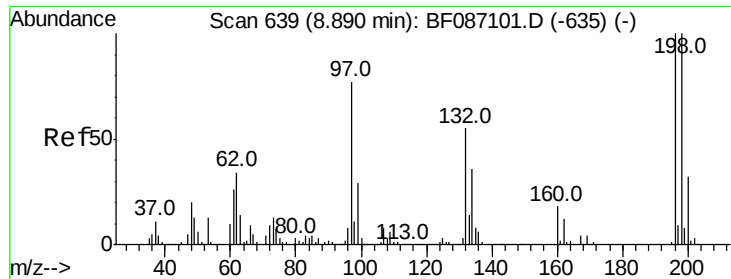
#41  
2,4,6-Tribromophenol  
Concen: 140.90 ng  
RT: 10.43 min Scan# 774  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.6  | 79.0       | 118.4 |
| 141     | 37.4  | 31.2       | 46.8  |



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





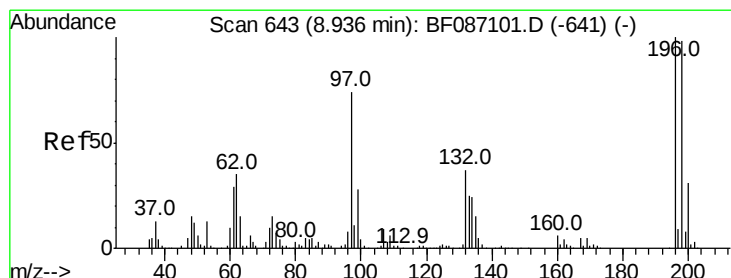
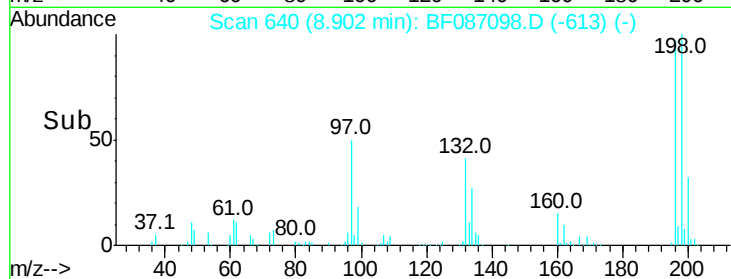
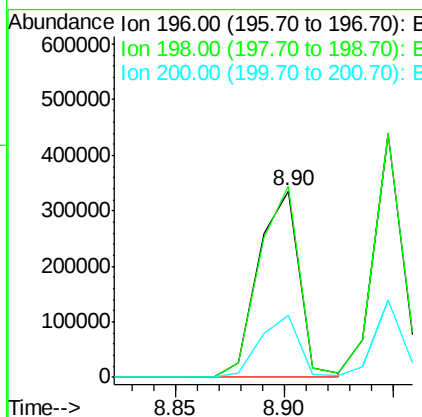
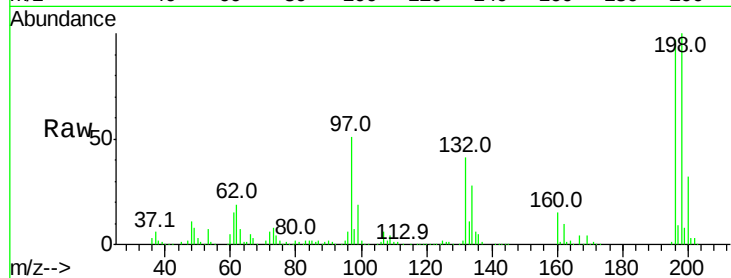
#42  
 2,4,6-Trichlorophenol  
 Concen: 77.93 ng  
 RT: 8.90 min Scan# 640  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 441801 |       |       |
| 198     | 102.6 | 74.7   | 112.1 |       |
| 200     | 33.0  | 23.8   | 35.6  |       |

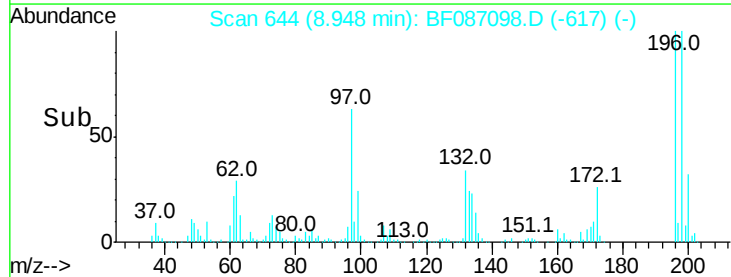
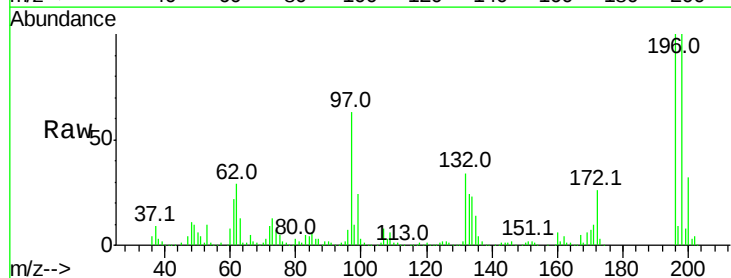
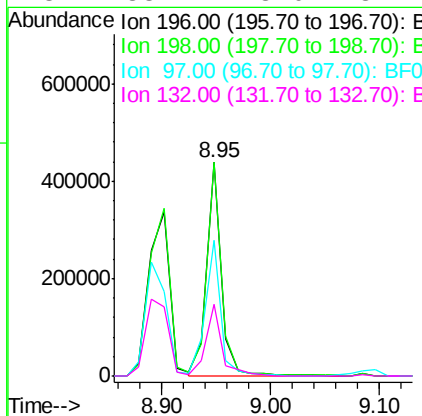
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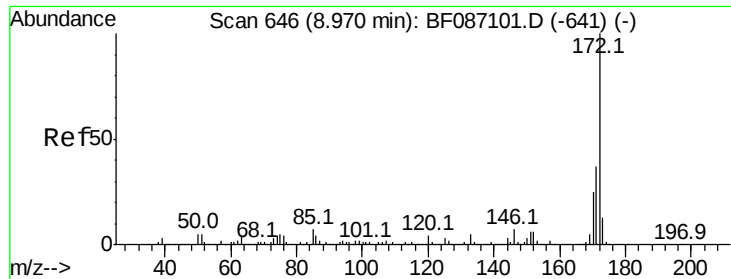
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#43  
 2,4,5-Trichlorophenol  
 Concen: 70.76 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 414810 |       |       |
| 198     | 100.1 | 77.5   | 116.3 |       |
| 97      | 63.4  | 34.8   | 52.2# |       |
| 132     | 33.7  | 23.0   | 34.4  |       |





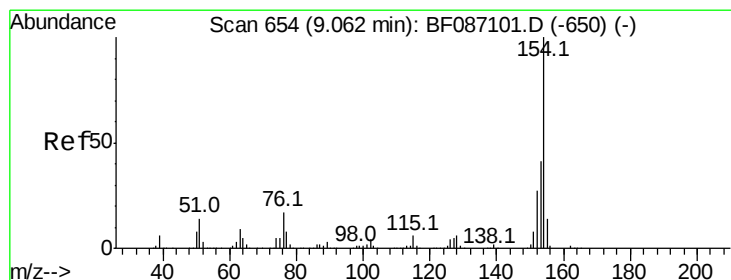
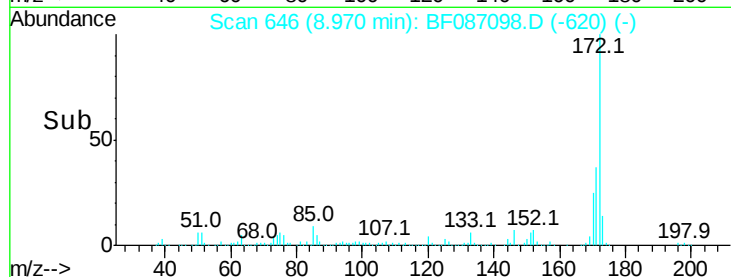
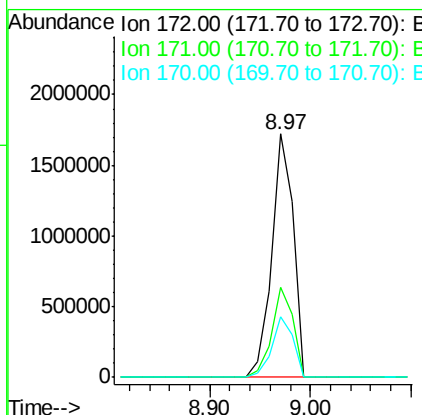
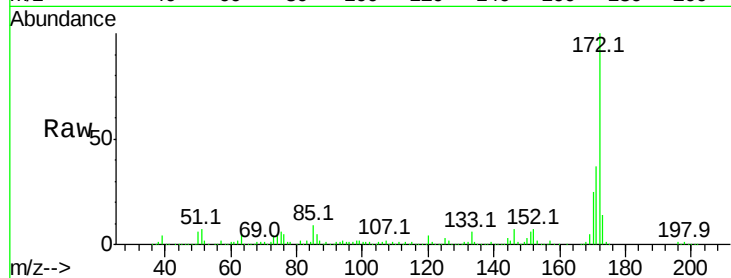
#44  
2-Fluorobiphenyl  
Concen: 146.73 ng  
RT: 8.97 min Scan# 646  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.0  | 43.6  |
| 170     | 24.9  | 19.8  | 29.8  |

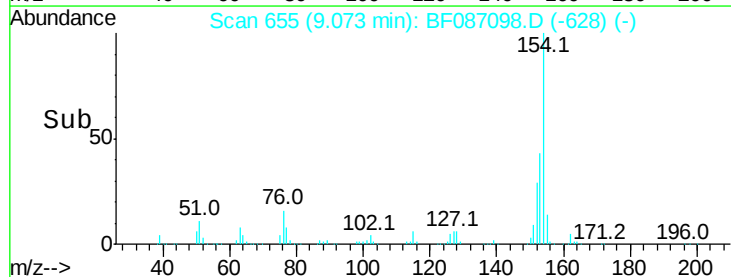
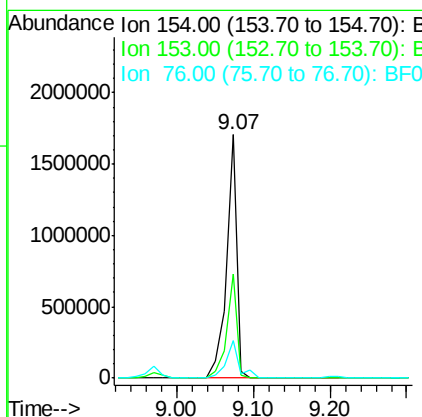
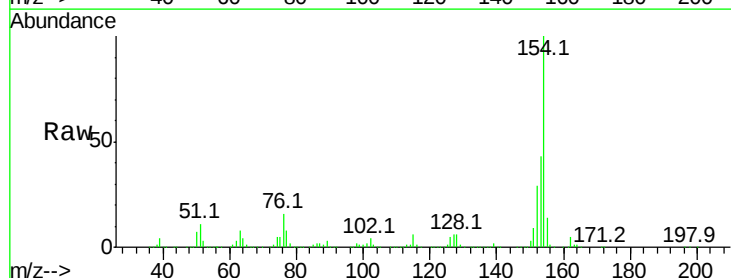
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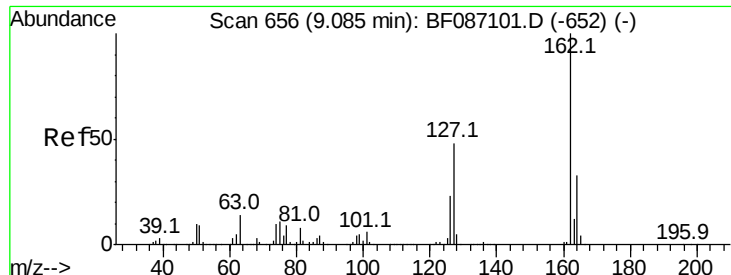
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#45  
1,1'-Biphenyl  
Concen: 70.02 ng  
RT: 9.07 min Scan# 655  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.7  | 20.3  | 60.3  |
| 76      | 15.5  | 0.0   | 30.2  |





#46

2-Chloronaphthalene

Concen: 77.08 ng

RT: 9.10 min Scan# 657

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:162 Resp: 1400503

Ion Ratio Lower Upper

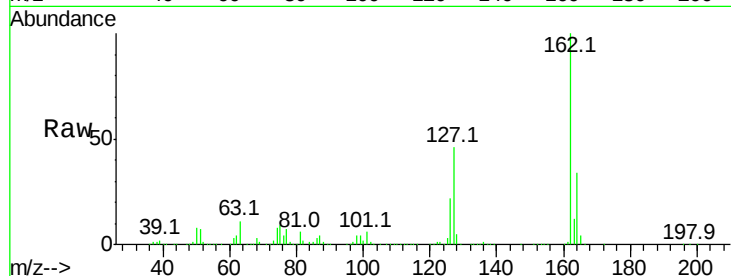
162 100

127 45.8 31.8 47.6

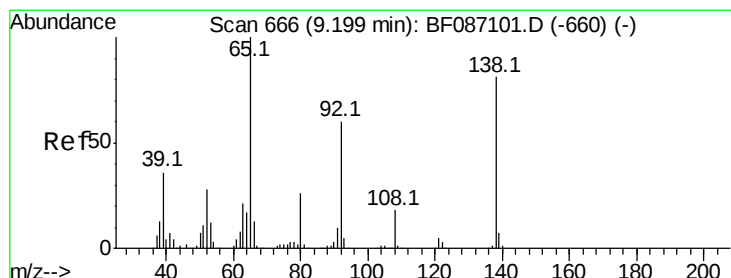
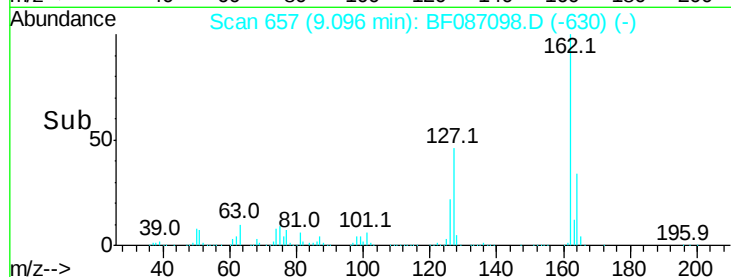
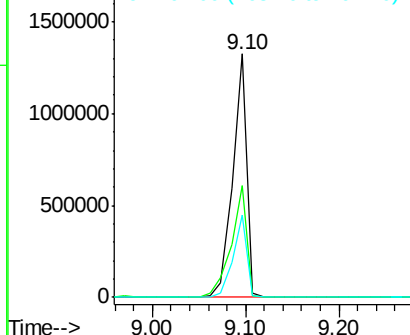
164 33.6 27.0 40.6

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Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 92.79 ng

RT: 9.21 min Scan# 667

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

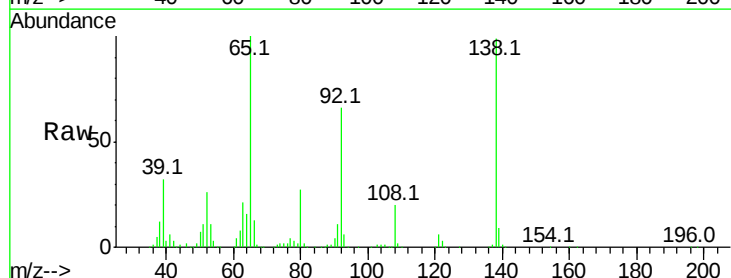
Tgt Ion: 65 Resp: 616218

Ion Ratio Lower Upper

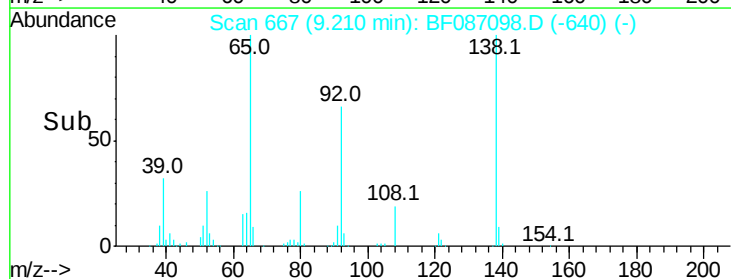
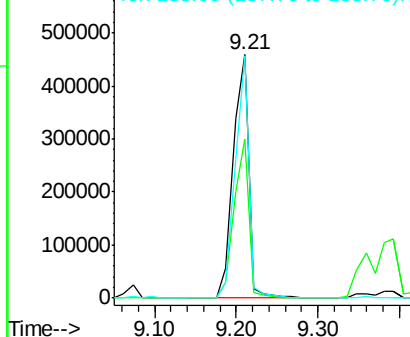
65 100

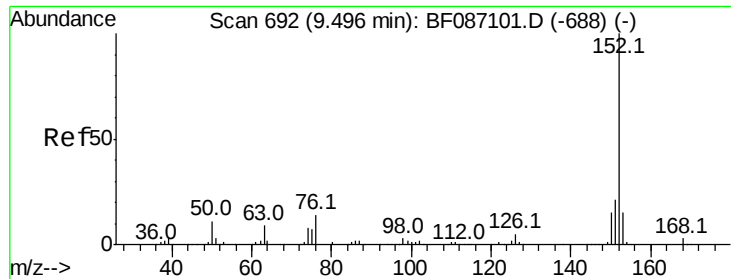
92 65.5 57.4 86.2

138 99.5 90.1 135.1



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 81.22 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:152 Resp: 2170699

Ion Ratio Lower Upper

152 100

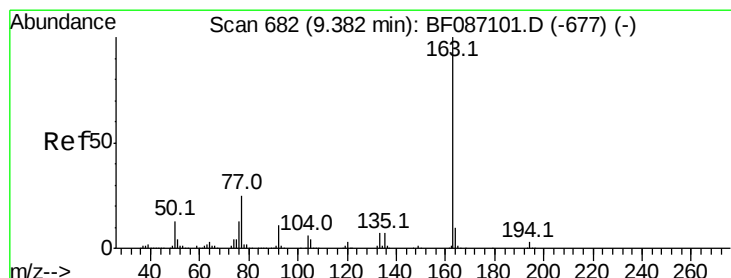
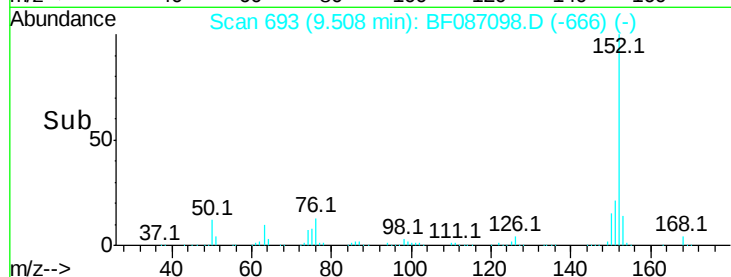
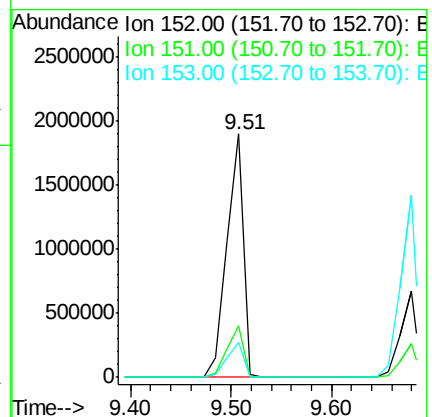
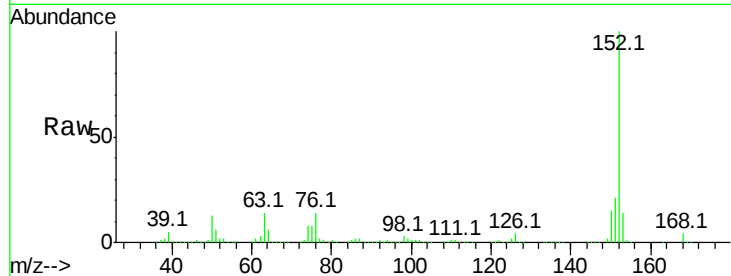
151 21.4 16.8 25.2

153 14.2 10.9 16.3

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#49

Dimethylphthalate

Concen: 76.23 ng

RT: 9.39 min Scan# 683

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

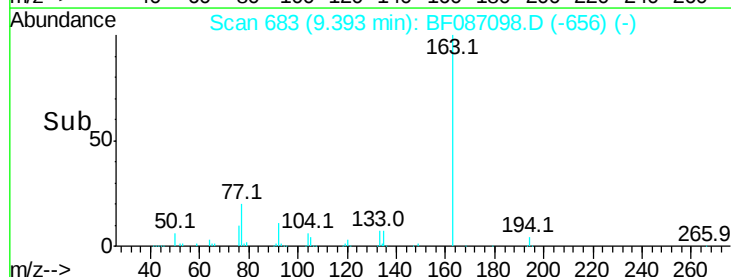
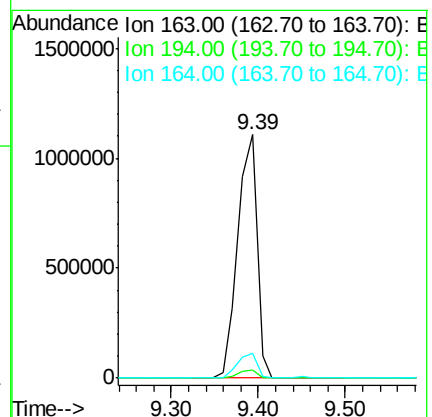
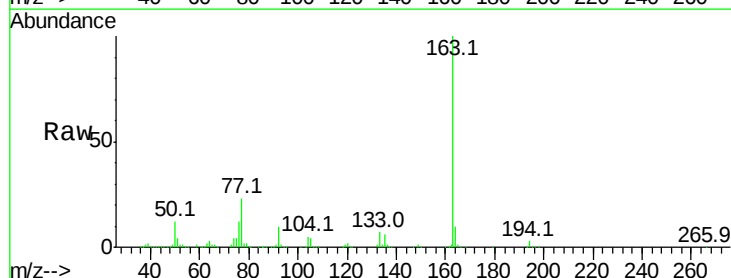
Tgt Ion:163 Resp: 1695690

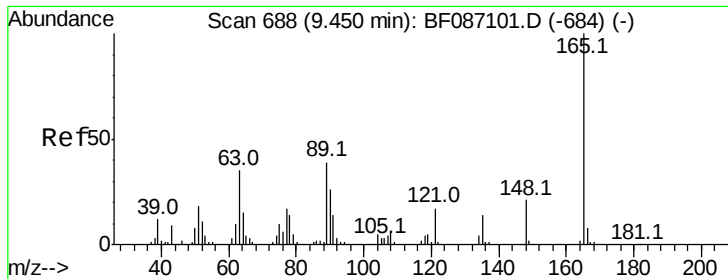
Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 10.3 8.2 12.4





#50

2,6-Dinitrotoluene

Concen: 67.31 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

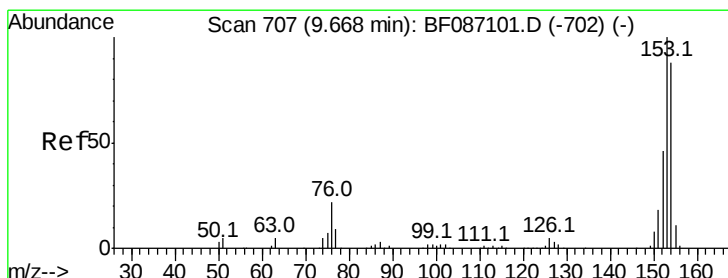
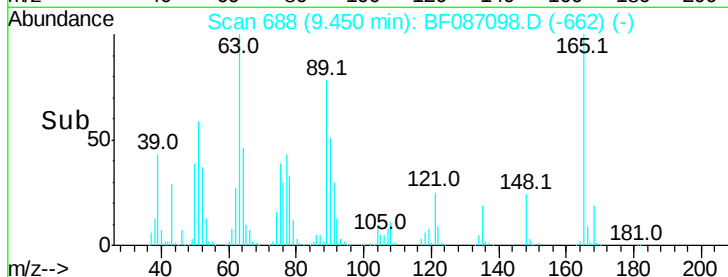
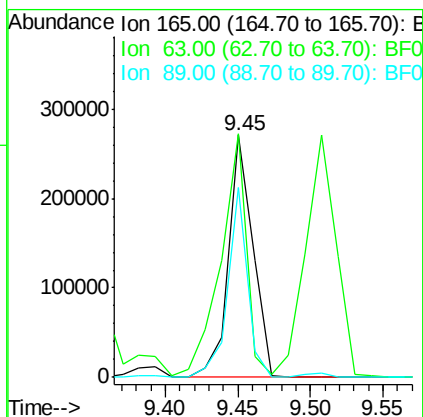
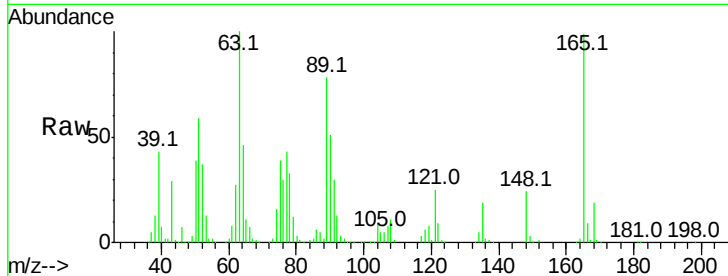
ClientSampleId :

SSTDIC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 315125 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 100.6 | 51.8  | 77.8#  |
| 89        | 78.2  | 50.7  | 76.1#  |

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#51

Acenaphthene

Concen: 81.09 ng

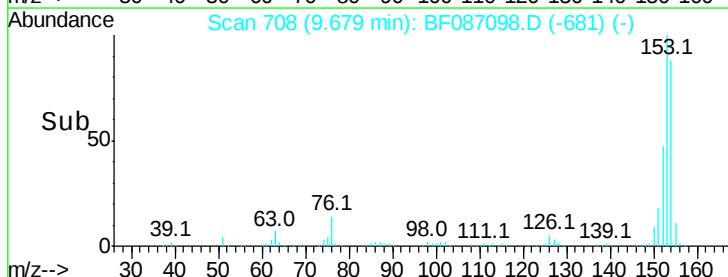
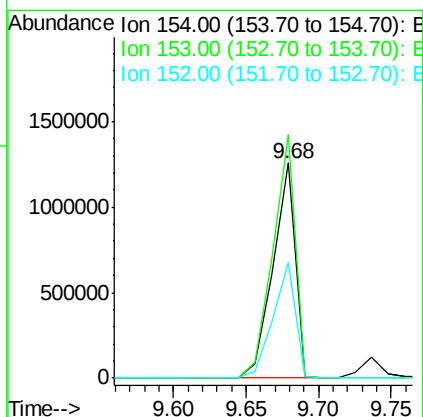
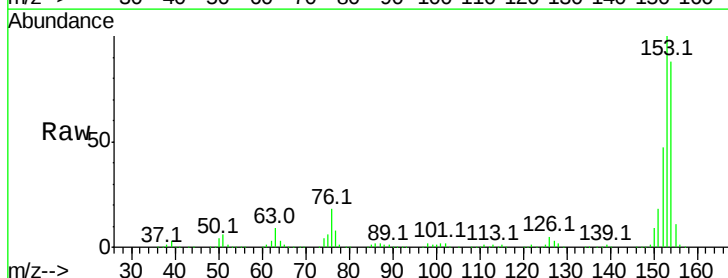
RT: 9.68 min Scan# 708

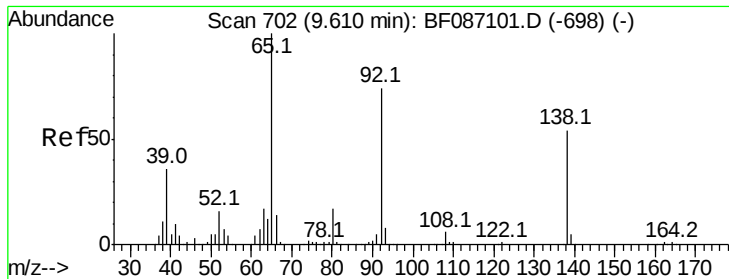
Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1348129 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 113.1 | 89.8  | 134.6   |
| 152       | 53.6  | 43.4  | 65.0    |





#52

3-Nitroaniline

Concen: 75.71 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

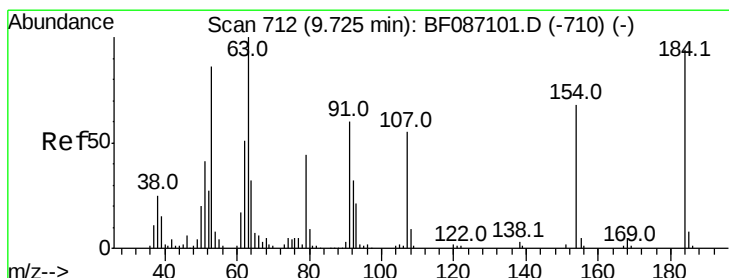
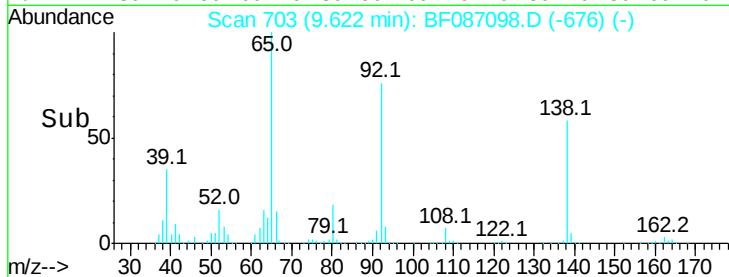
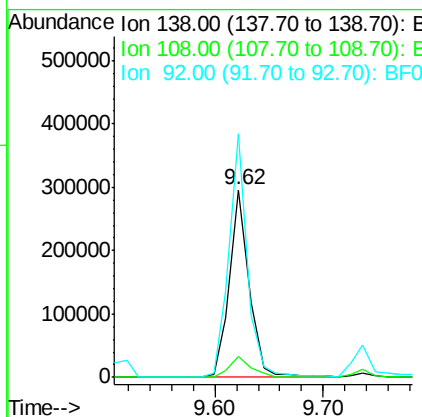
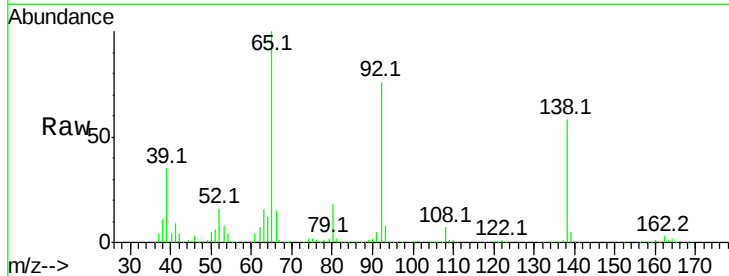
ClientSampleId :

SSTDIC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 373134 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 11.4  | 7.8   | 11.6   |
| 92        | 129.7 | 87.8  | 131.8  |

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#53

2,4-Dinitrophenol

Concen: 113.10 ng

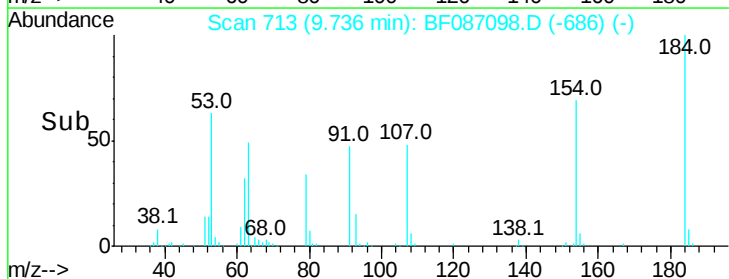
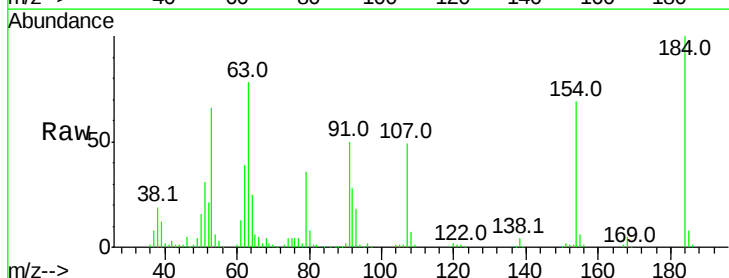
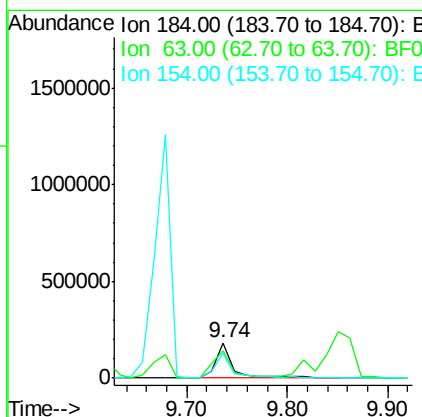
RT: 9.74 min Scan# 713

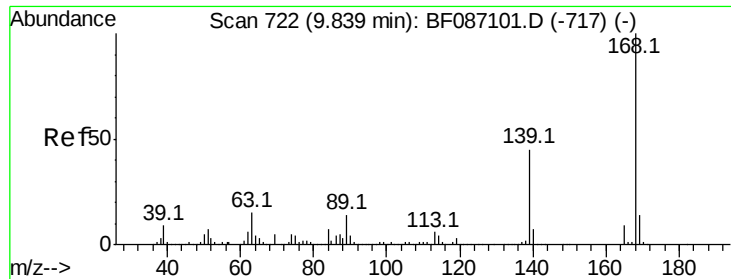
Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 220390 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 63        | 77.6  | 55.8  | 83.8   |
| 154       | 68.9  | 62.4  | 93.6   |





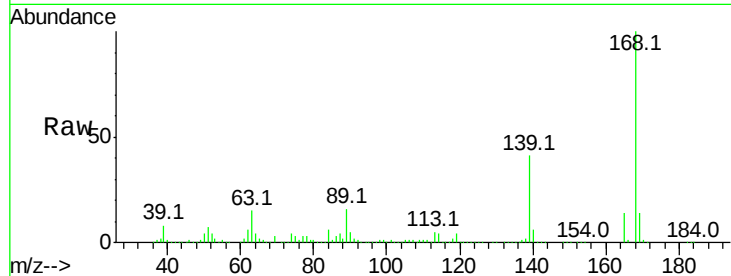
#54  
Dibenzofuran  
Concen: 81.06 ng  
RT: 9.85 min Scan# 723  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.3  | 31.4  | 47.0  |
| 169     | 13.6  | 10.7  | 16.1  |

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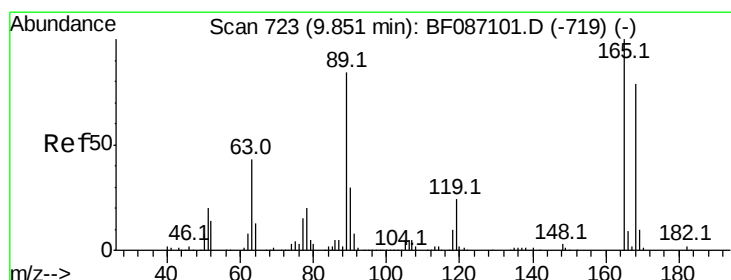
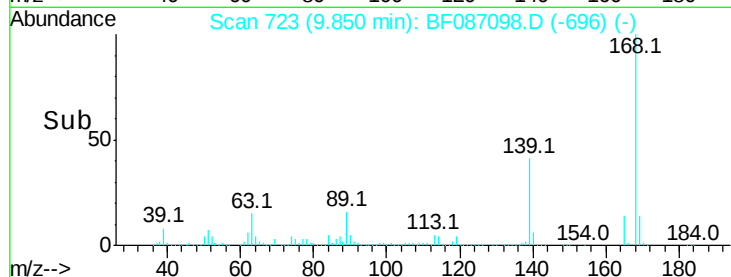
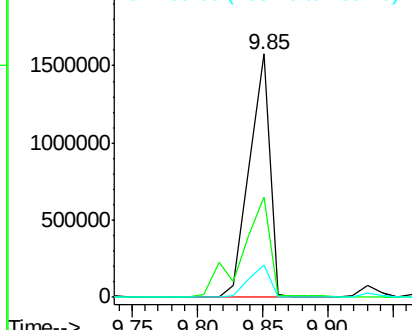


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
2,4-Dinitrotoluene  
Concen: 89.57 ng  
RT: 9.86 min Scan# 724  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 43.5  | 44.3  | 66.5#  |
| 89      | 68.1  | 70.0  | 105.0# |
| 182     | 2.4   | 1.8   | 2.6    |

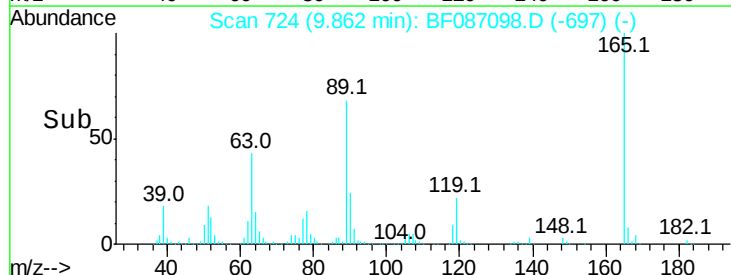
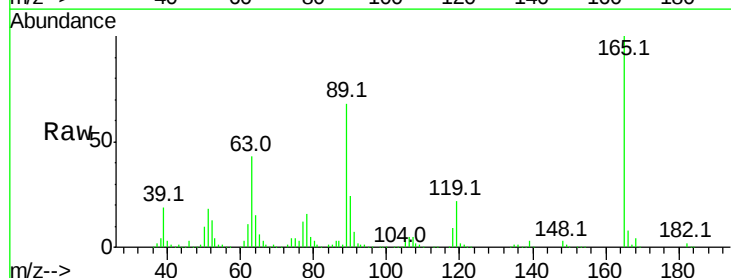
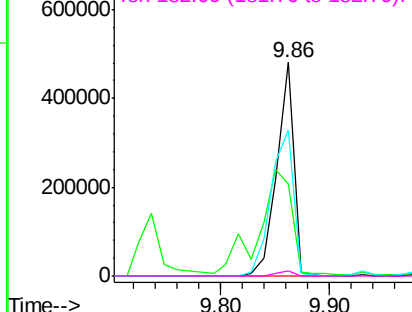
Abundance

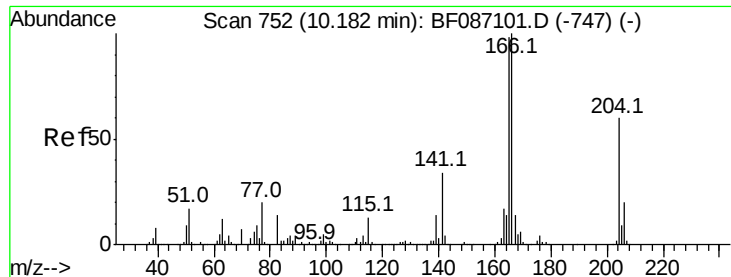
Ion 165.00 (164.70 to 165.70): E

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





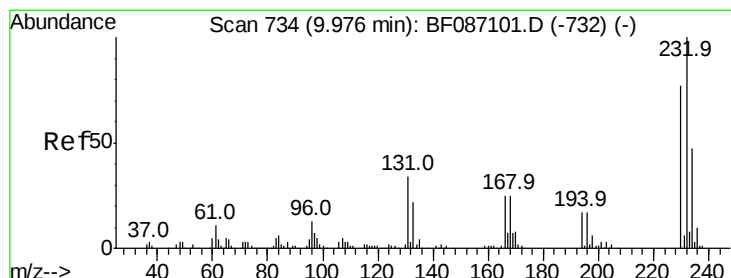
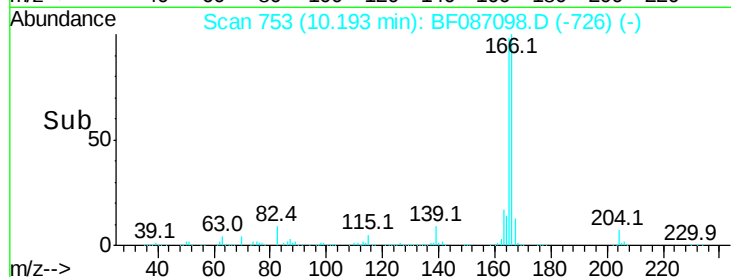
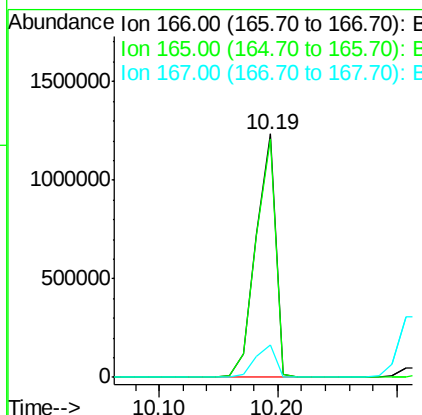
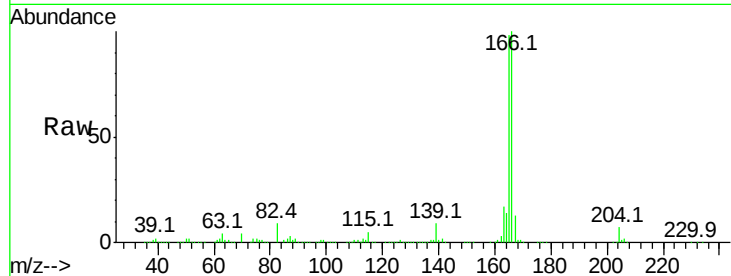
#57  
 Fluorene  
 Concen: 79.35 ng  
 RT: 10.19 min Scan# 753  
 Delta R.T. 0.01 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Tot Ion:166 Resp: 1444125  
 Ion Ratio Lower Upper  
 166 100  
 165 98.2 79.0 118.6  
 167 13.3 10.6 15.8

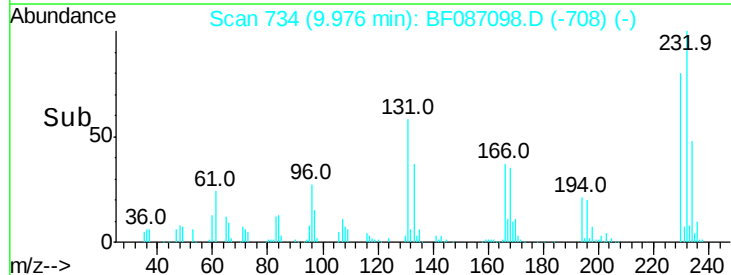
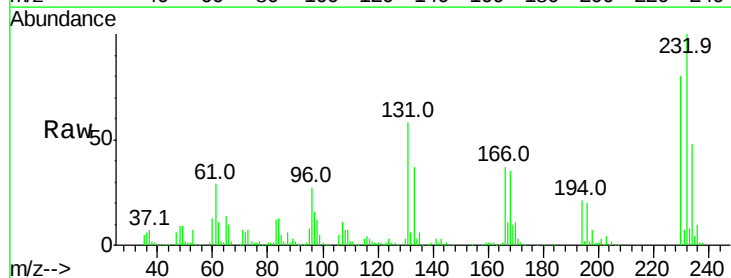
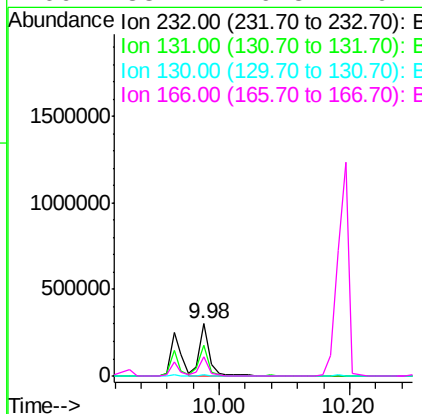
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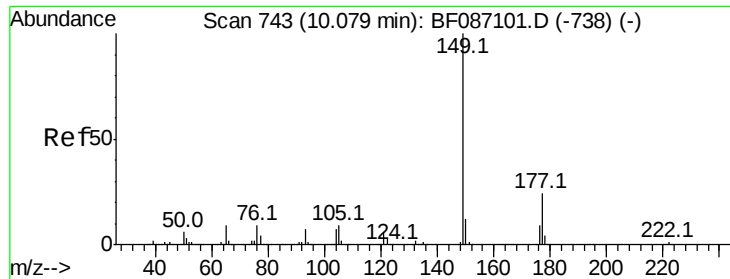
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 72.18 ng  
 RT: 9.98 min Scan# 734  
 Delta R.T. -0.00 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

Tgt Ion:232 Resp: 318587  
 Ion Ratio Lower Upper  
 232 100  
 131 53.6 41.9 62.9  
 130 2.9 2.2 3.4  
 166 33.2 26.8 40.2





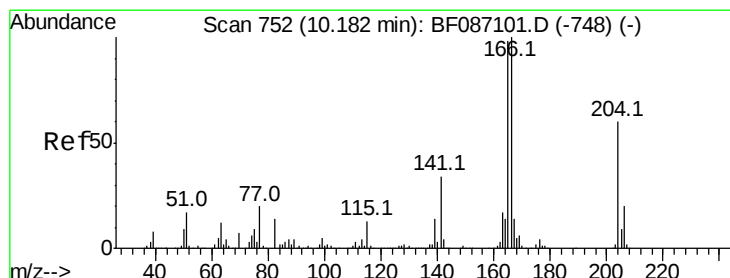
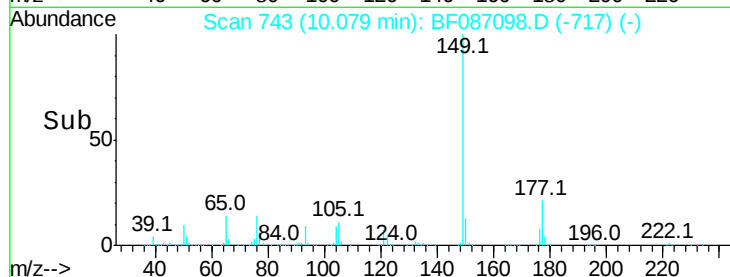
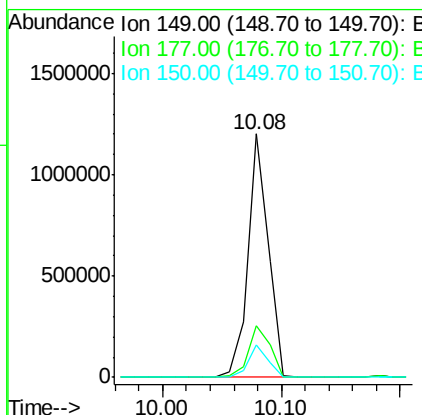
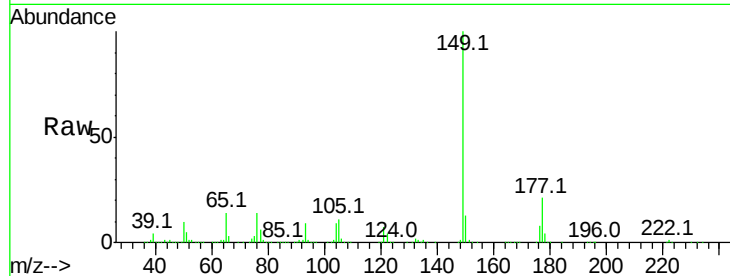
#59  
Diethylphthalate  
Concen: 66.10 ng  
RT: 10.08 min Scan# 743  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.2  | 16.6  | 24.8  |
| 150     | 13.2  | 10.0  | 15.0  |

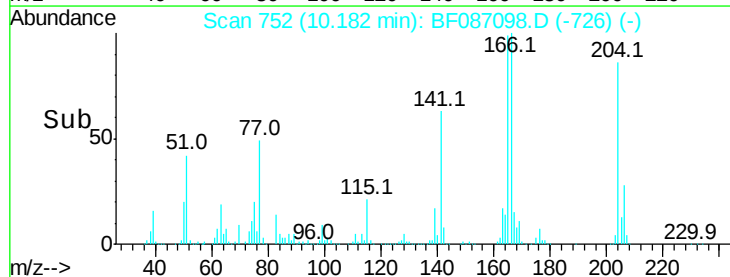
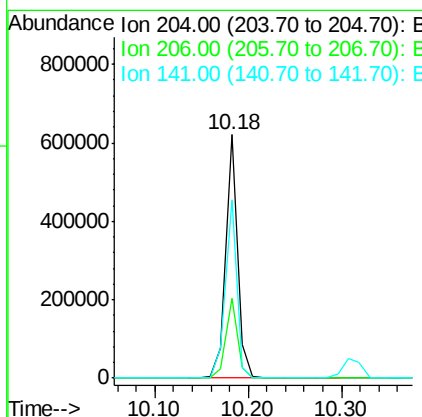
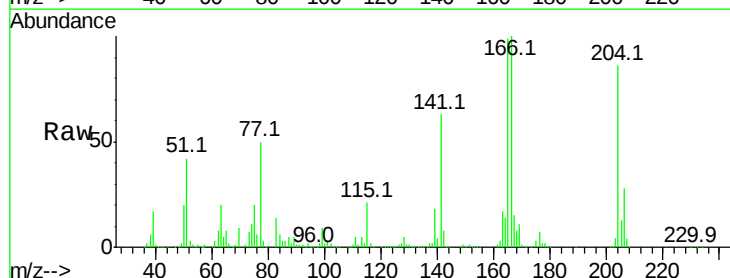
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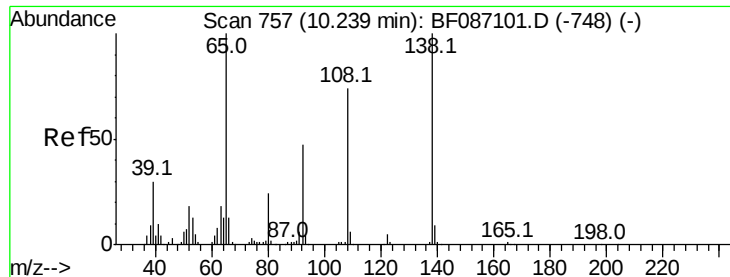
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#60  
4-Chlorophenyl-phenylether  
Concen: 58.87 ng  
RT: 10.18 min Scan# 752  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.9  | 25.4  | 38.0  |
| 141     | 73.1  | 61.6  | 92.4  |





#61

4-Nitroaniline

Concen: 83.96 ng

RT: 10.25 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

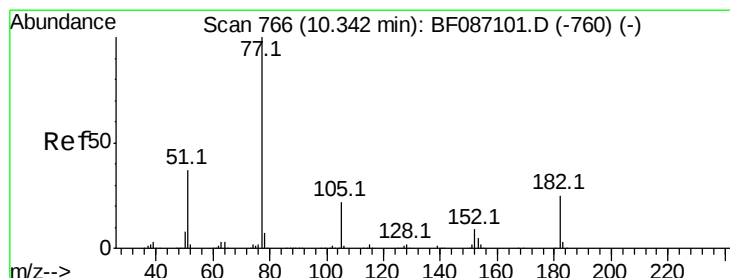
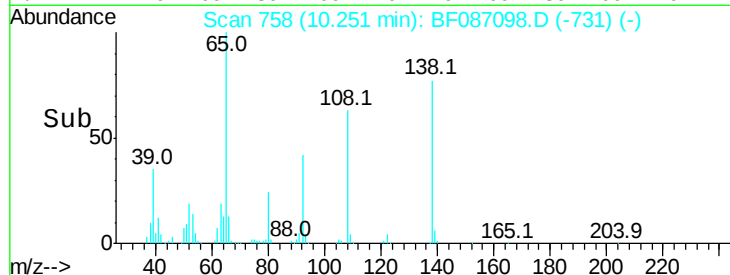
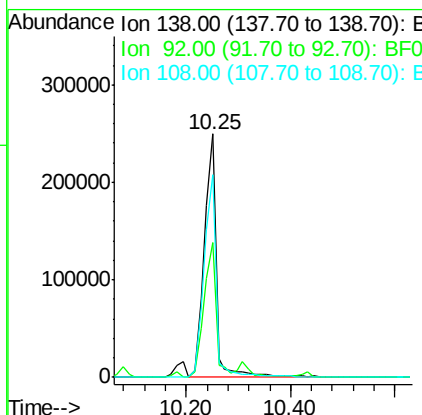
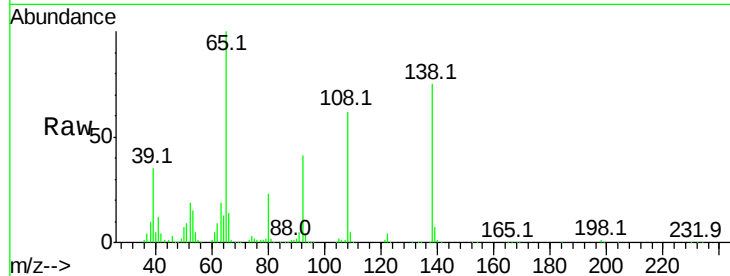
ClientSampleId :

SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 55.3  | 24.7  | 64.7  |
| 108     | 83.1  | 37.4  | 77.4  |

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#62

Azobenzene

Concen: 67.27 ng

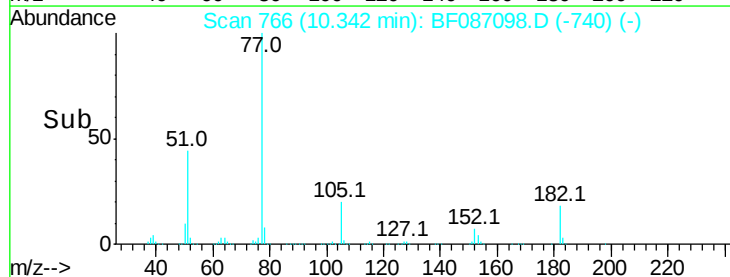
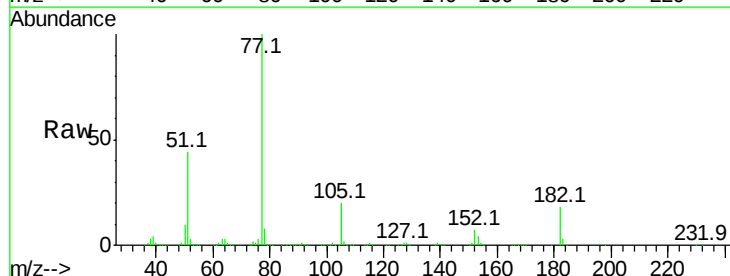
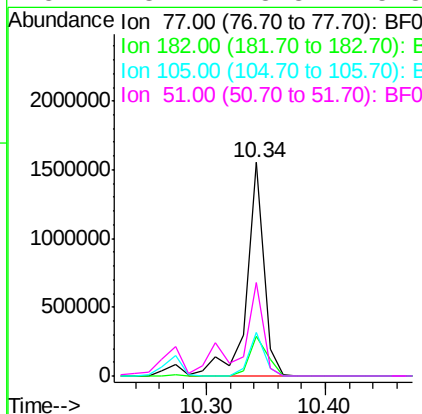
RT: 10.34 min Scan# 766

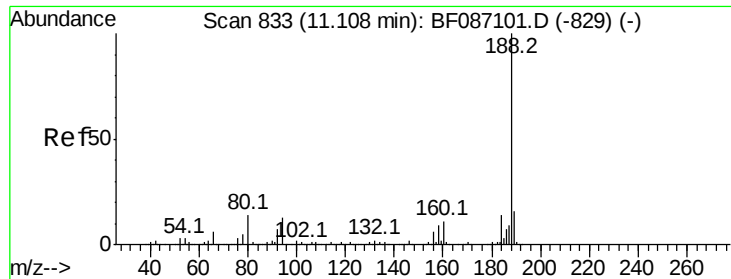
Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 18.4  | 0.0   | 38.8  |
| 105     | 20.3  | 3.2   | 43.2  |
| 51      | 43.7  | 8.8   | 48.8  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

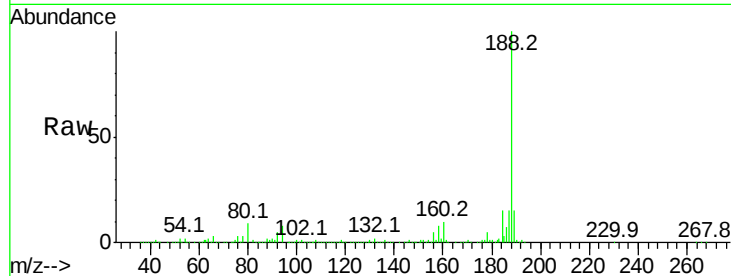
ClientSampleId :

SSTDIC080

|             |              |
|-------------|--------------|
| Tot Ion:188 | Resp: 549552 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 8.4      | 6.8 10.2     |
| 80 9.0      | 7.1 10.7     |

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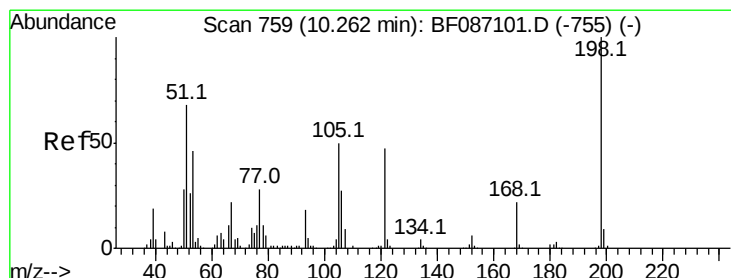
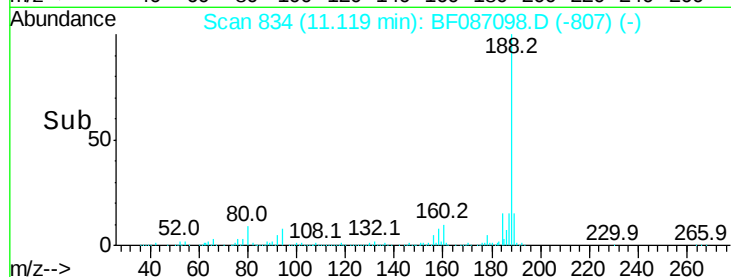
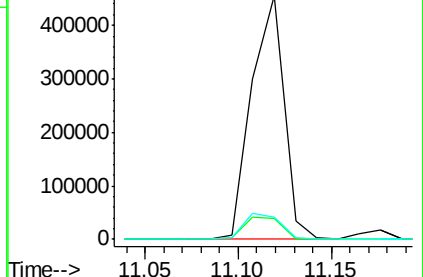
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Abundance Ion 188.00 (187.70 to 188.70): E

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: 86.94 ng

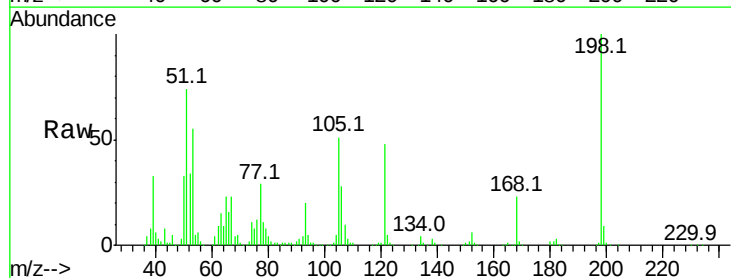
RT: 10.27 min Scan# 760

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

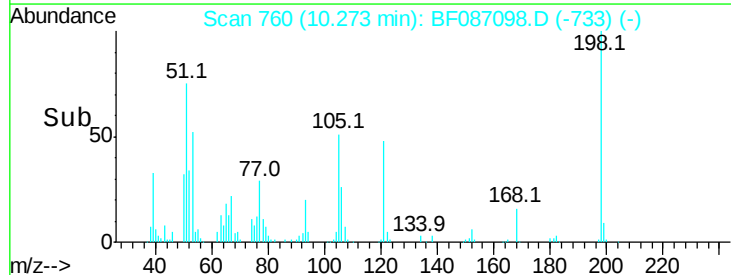
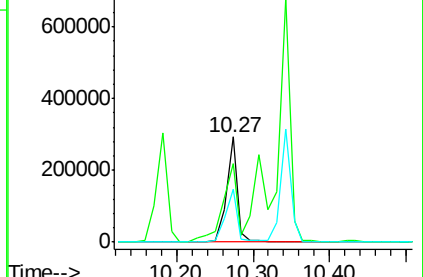
|             |              |
|-------------|--------------|
| Tgt Ion:198 | Resp: 296809 |
| Ion Ratio   | Lower Upper  |
| 198 100     |              |
| 51 74.4     | 20.5 60.5#   |
| 105 50.7    | 24.5 64.5    |

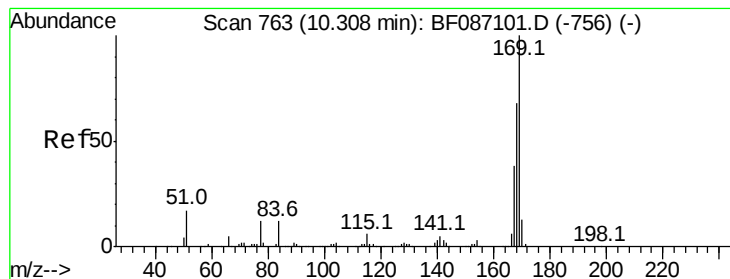


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 75.33 ng

RT: 10.32 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:169 Resp: 1271838

Ion Ratio Lower Upper

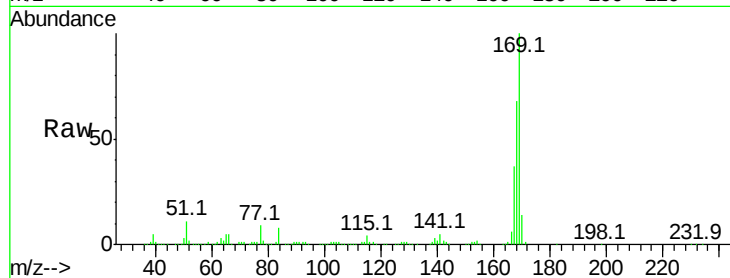
169 100

168 67.7 53.8 80.6

167 37.5 29.5 44.3

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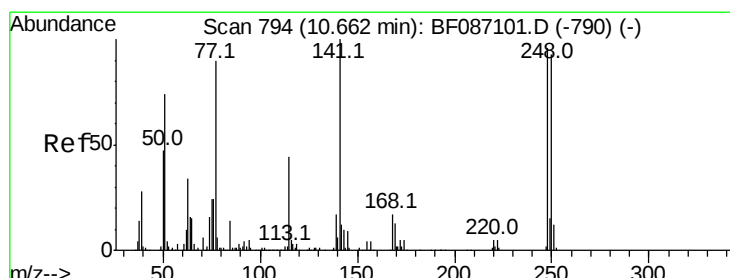
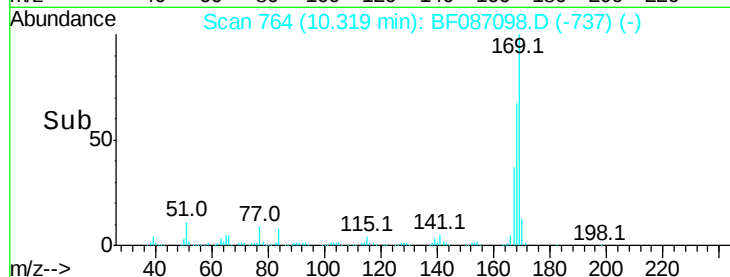
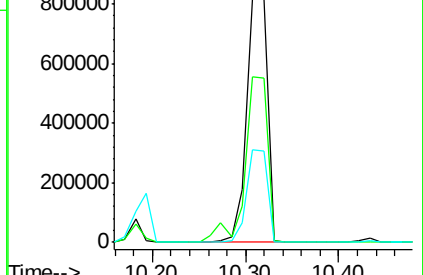
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 79.78 ng

RT: 10.67 min Scan# 795

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

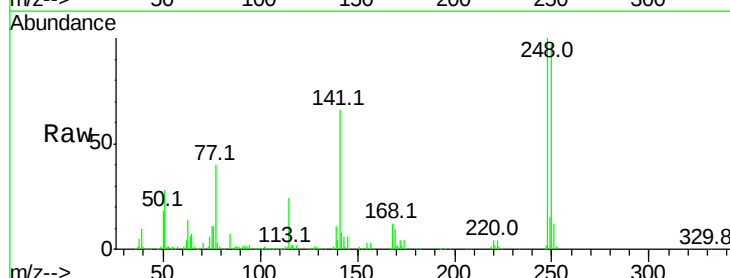
Tgt Ion:248 Resp: 444494

Ion Ratio Lower Upper

248 100

250 97.3 78.6 117.8

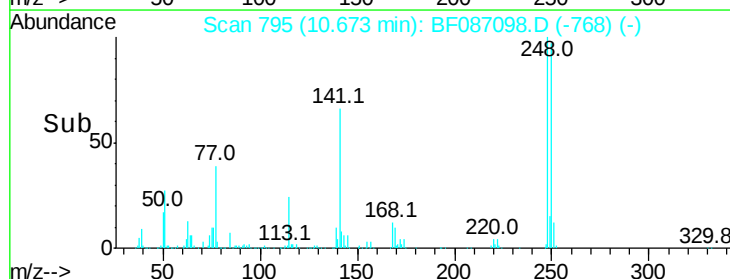
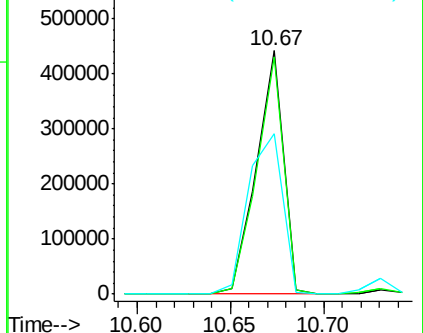
141 65.7 76.0 114.0#

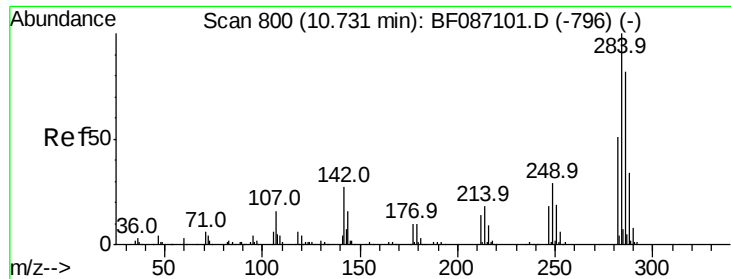


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 67.93 ng

RT: 10.73 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

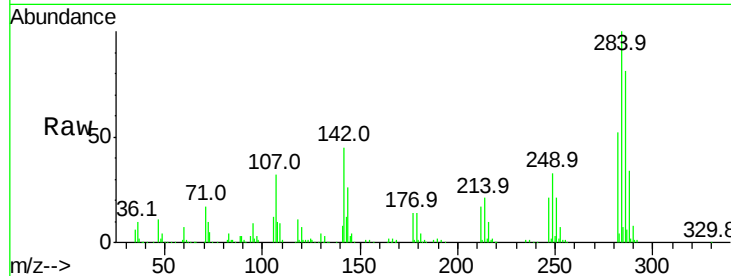
ClientSampled :

SSTDIC080

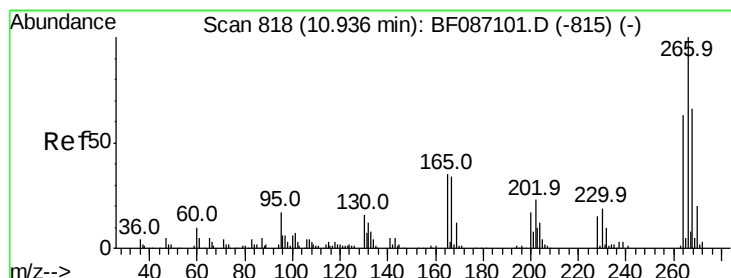
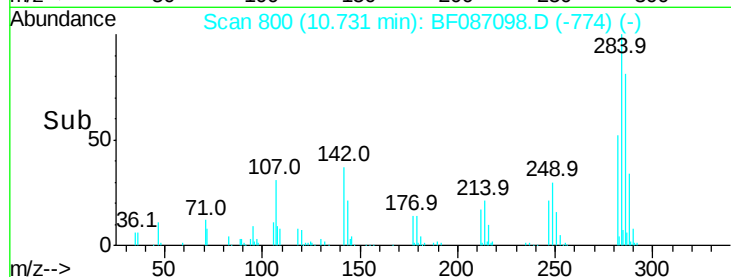
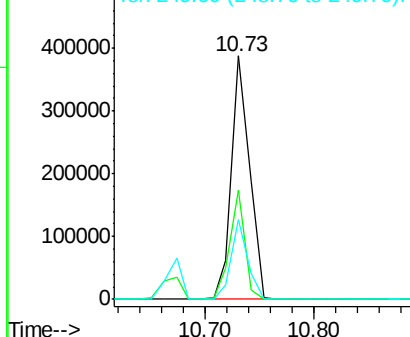
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 442316 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 44.8  | 16.7  | 25.1#  |
| 249       | 32.7  | 21.3  | 31.9#  |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#69

Pentachlorophenol

Concen: 66.69 ng

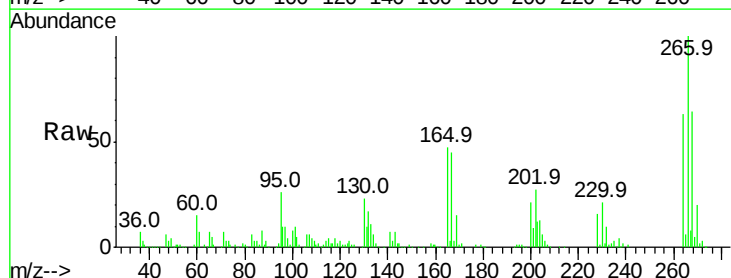
RT: 10.94 min Scan# 818

Delta R.T. -0.00 min

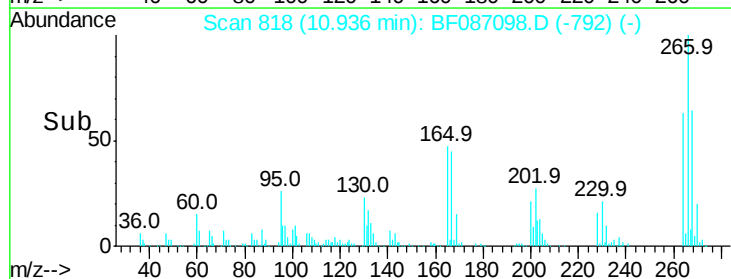
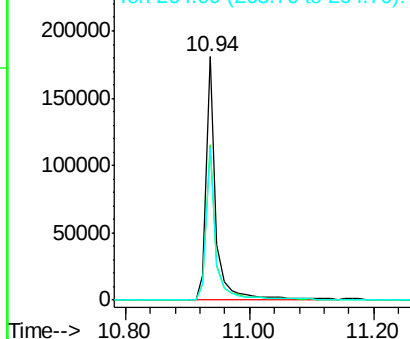
Lab File: BF087098.D

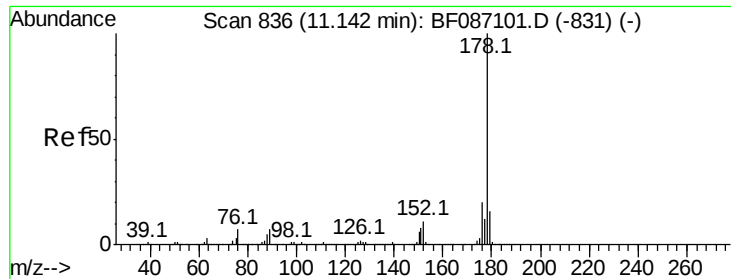
Acq: 17 May 2016 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 200690 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 63.6  | 51.5  | 77.3   |
| 264       | 62.8  | 52.9  | 79.3   |



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: 63.28 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampled :

SSTDICC080

Tot Ion:178 Resp: 1855730

Ion Ratio Lower Upper

178 100

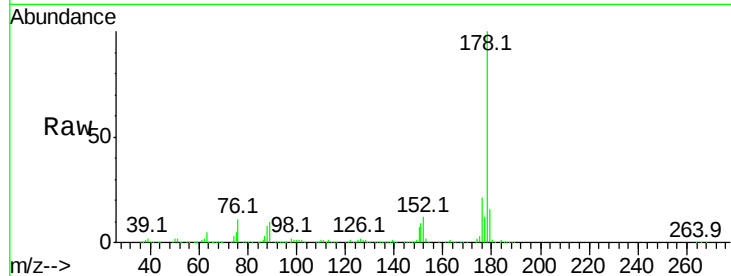
176 20.9 16.0 24.0

179 16.1 12.6 18.8

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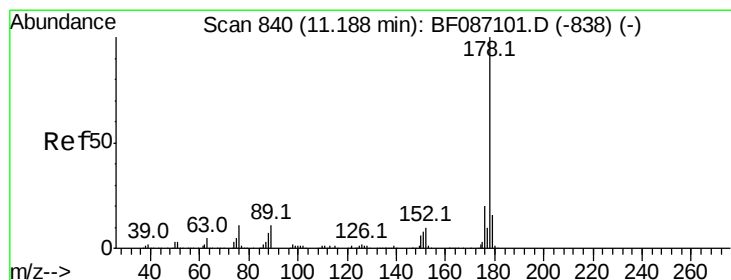
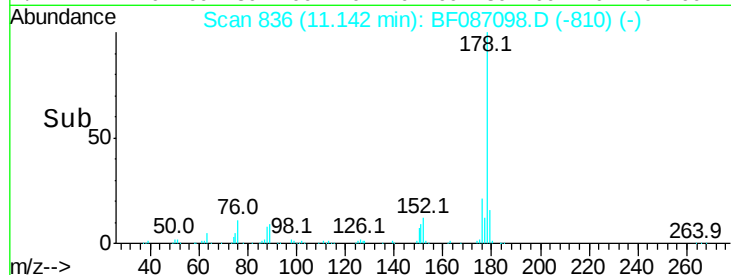
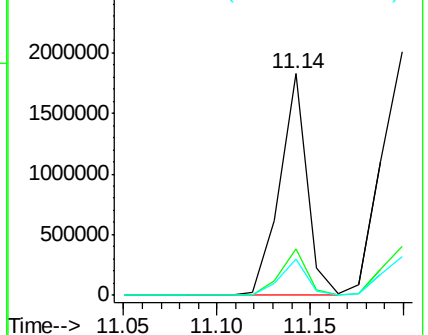
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 74.58 ng

RT: 11.20 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Tgt Ion:178 Resp: 2236897

Ion Ratio Lower Upper

178 100

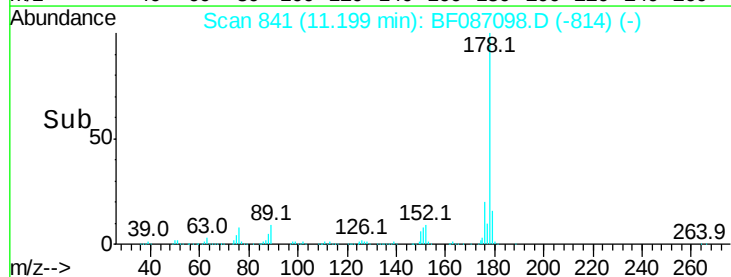
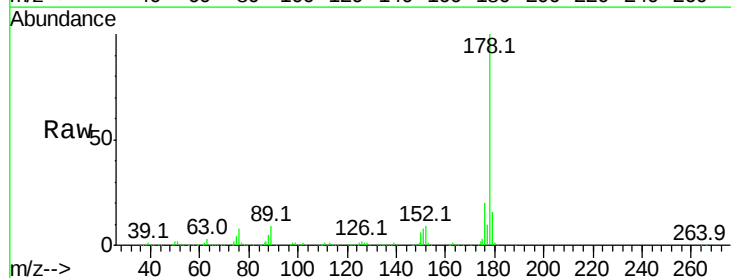
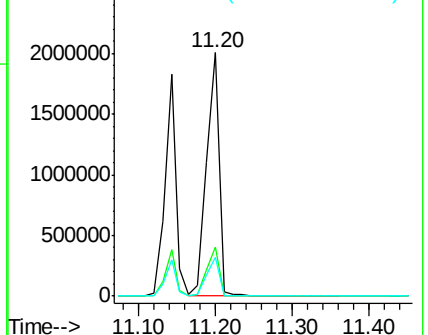
176 20.0 15.6 23.4

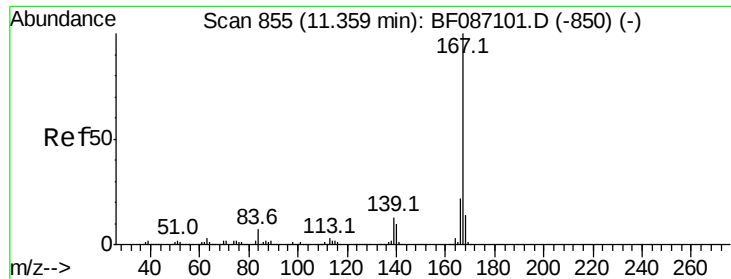
179 16.1 12.7 19.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 66.68 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:167 Resp: 1719260

Ion Ratio Lower Upper

167 100

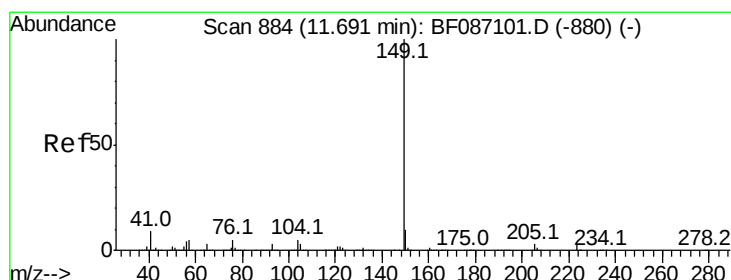
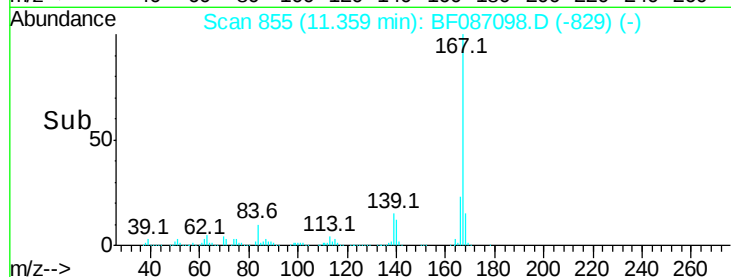
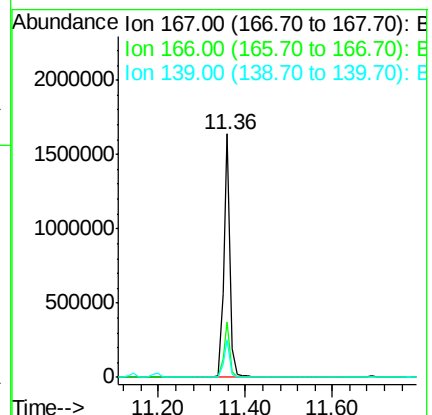
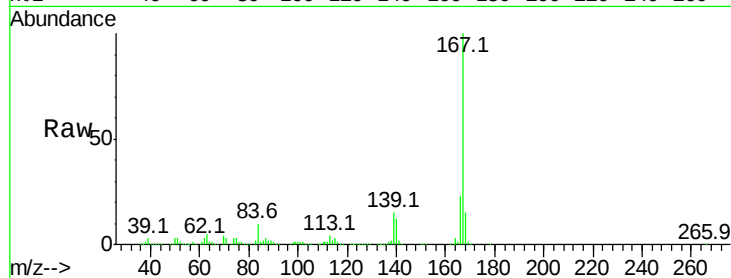
166 22.8 17.7 26.5

139 15.5 10.8 16.2

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#73

Di-n-butylphthalate

Concen: 66.50 ng

RT: 11.69 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

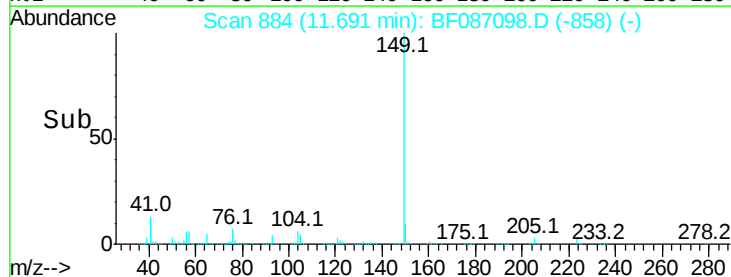
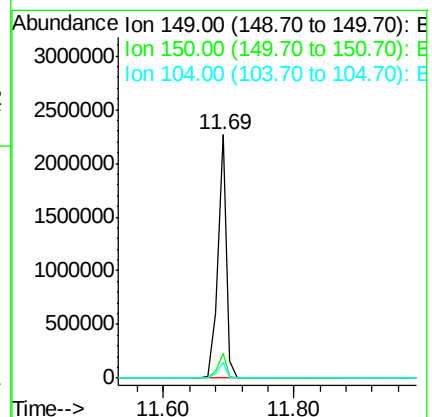
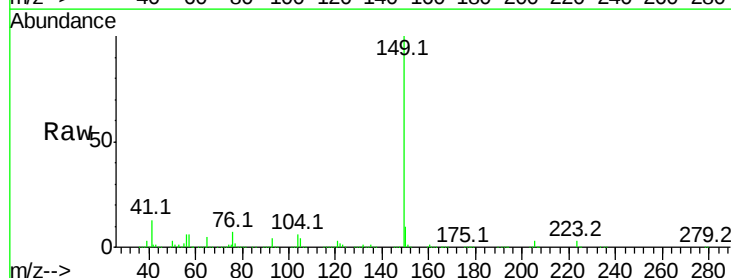
Tgt Ion:149 Resp: 2093787

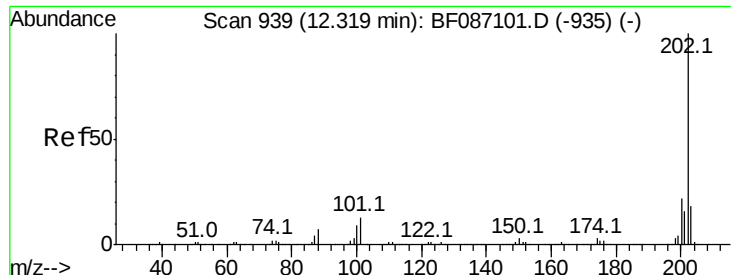
Ion Ratio Lower Upper

149 100

150 10.0 7.6 11.4

104 6.2 3.8 5.6#





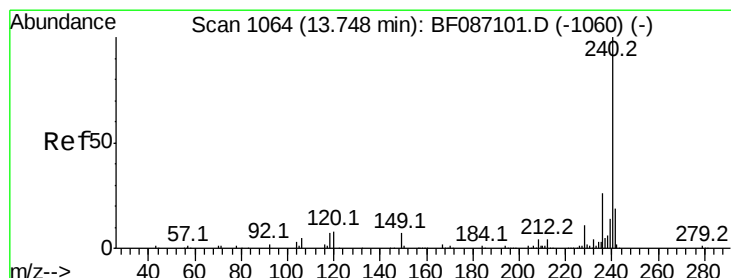
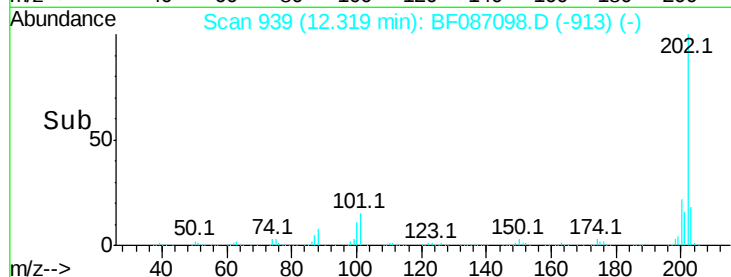
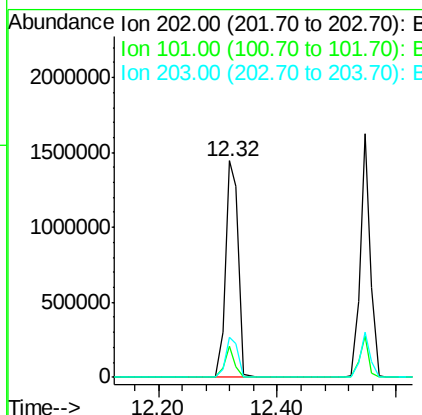
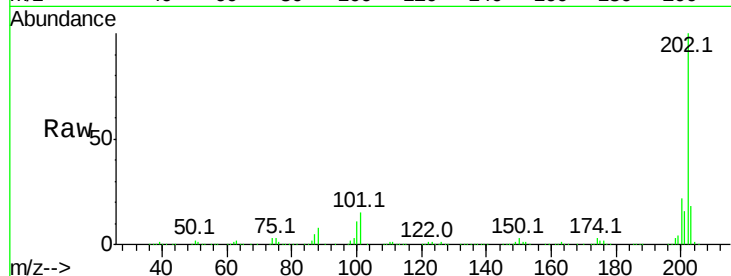
#74  
**Fluoranthene**  
 Concen: 69.91 ng  
 RT: 12.32 min Scan# 939  
 Delta R.T. -0.00 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 2108750 |       |       |
| 101     | 14.6  |         | 0.0   | 35.4  |
| 203     | 18.3  |         | 0.0   | 38.1  |

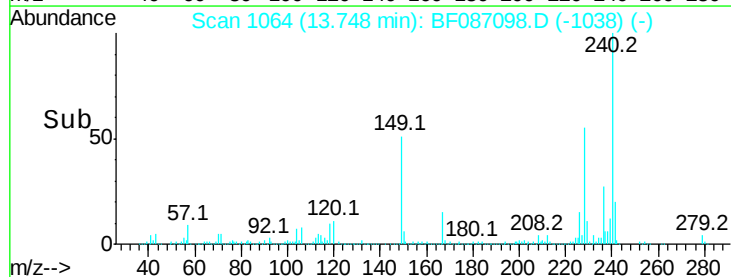
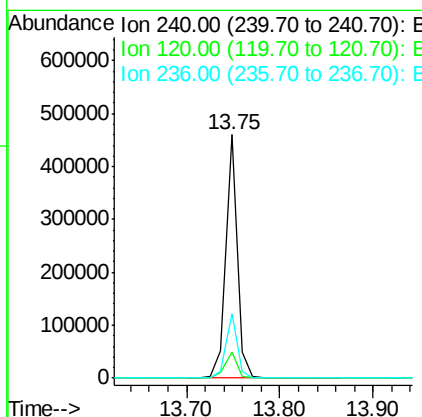
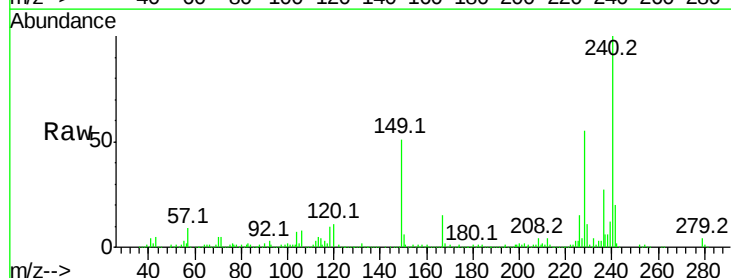
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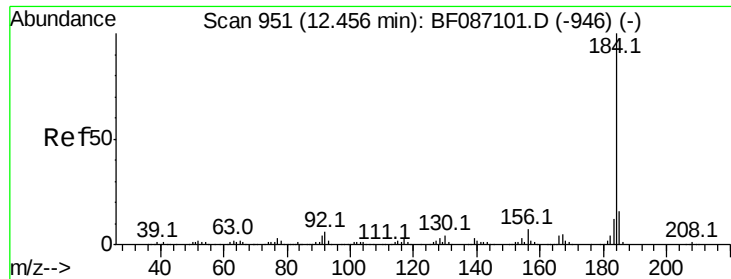
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#75  
**Chrysene-d12**  
 Concen: 20.00 ng  
 RT: 13.75 min Scan# 1064  
 Delta R.T. -0.00 min  
 Lab File: BF087098.D  
 Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 392605 |       |       |
| 120     | 10.6  |        | 11.2  | 16.8# |
| 236     | 26.5  |        | 21.2  | 31.8  |





#76

Benzidine

Concen: 56.78 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

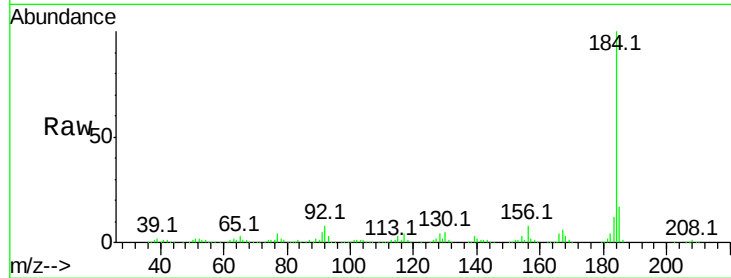
ClientSampleId :

SSTDIC080

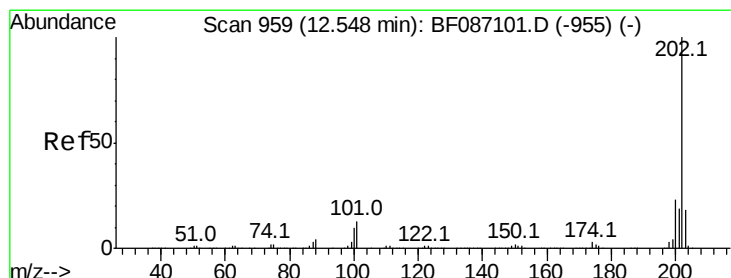
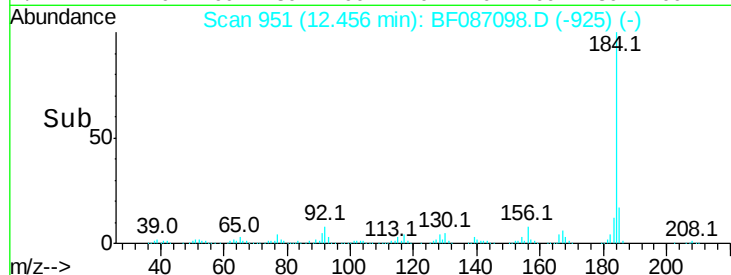
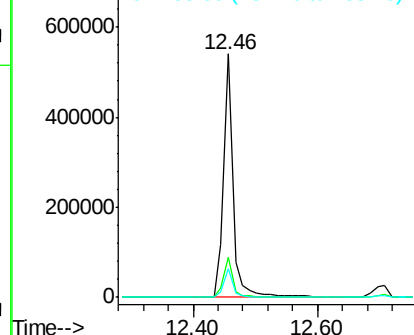
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 568307 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 16.6  | 13.6  | 20.4   |
| 183       | 12.0  | 9.8   | 14.6   |

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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: 63.27 ng

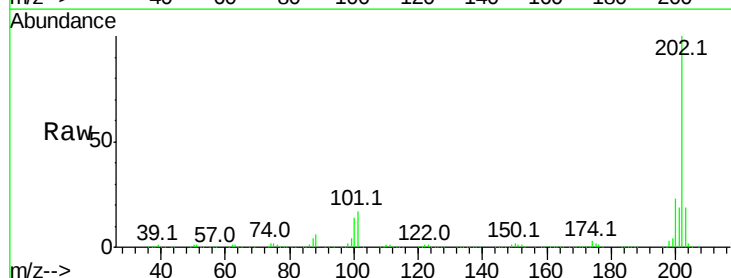
RT: 12.55 min Scan# 959

Delta R.T. -0.00 min

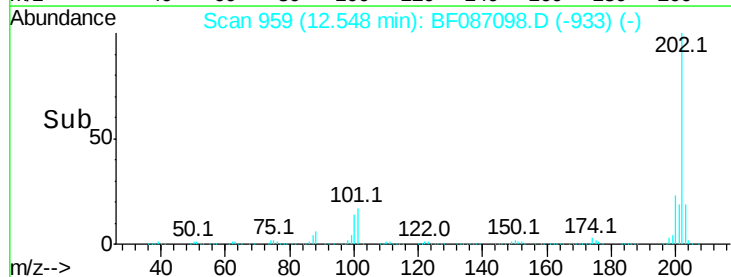
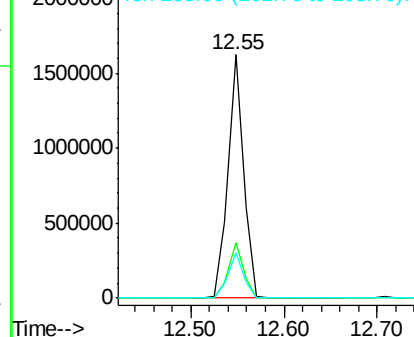
Lab File: BF087098.D

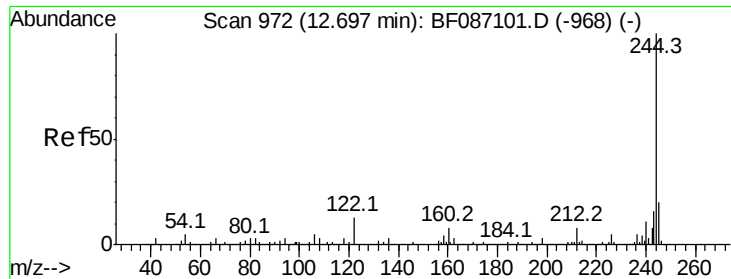
Acq: 17 May 2016 12:40

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1901758 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.9  | 17.7  | 26.5    |
| 203       | 18.6  | 14.2  | 21.4    |



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: 149.70 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:244 Resp: 2770013

Ion Ratio Lower Upper

244 100

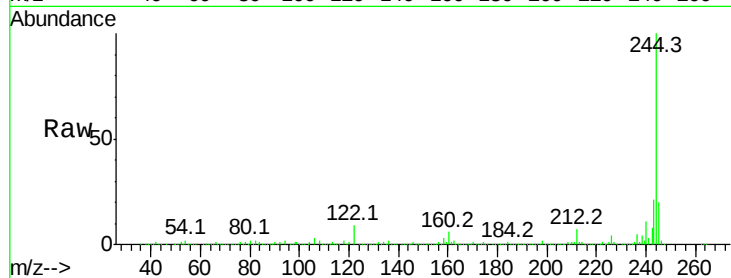
212 7.0 6.2 9.2

122 8.6 12.0 18.0#

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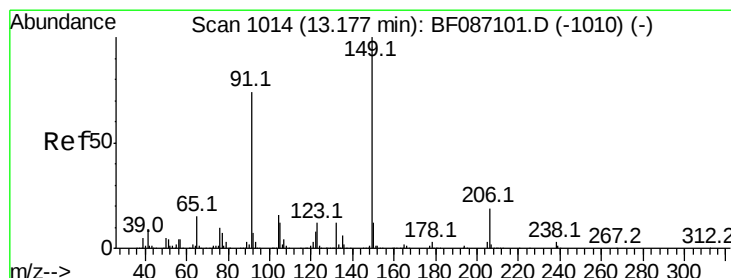
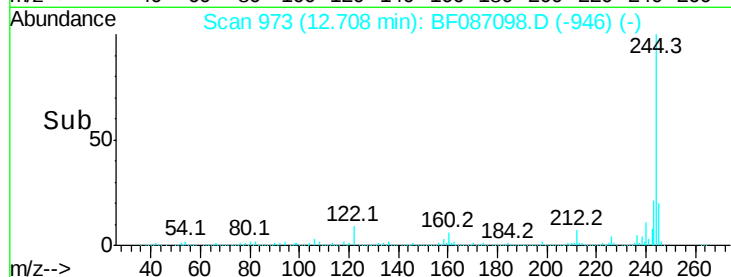
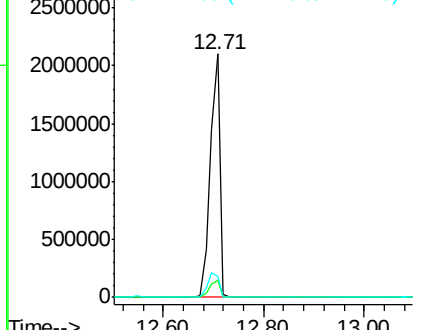
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 66.12 ng

RT: 13.18 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

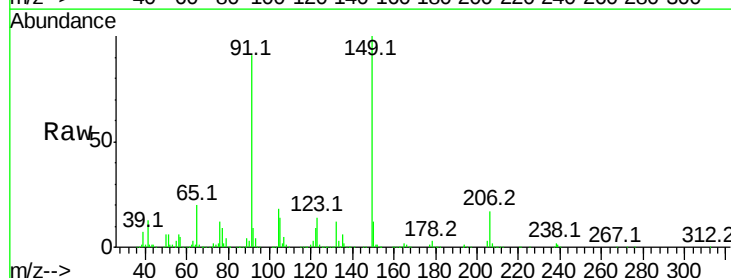
Tgt Ion:149 Resp: 840598

Ion Ratio Lower Upper

149 100

91 91.1 48.0 72.0#

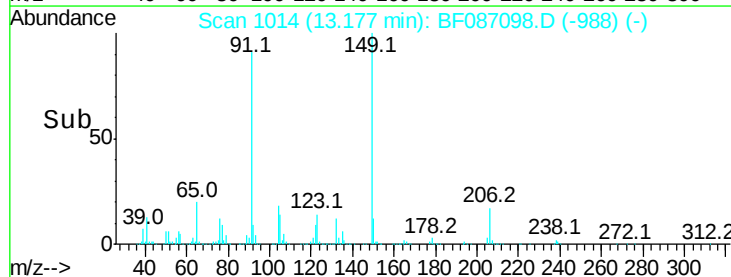
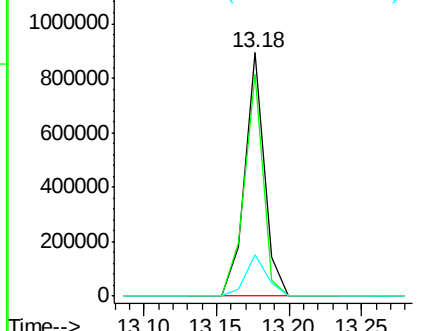
206 16.9 15.8 23.6

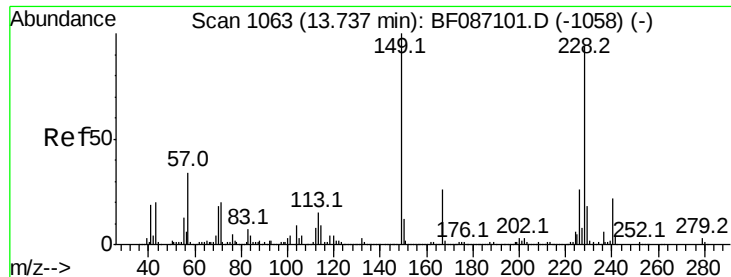


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 71.25 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:228 Resp: 1570234

Ion Ratio Lower Upper

228 100

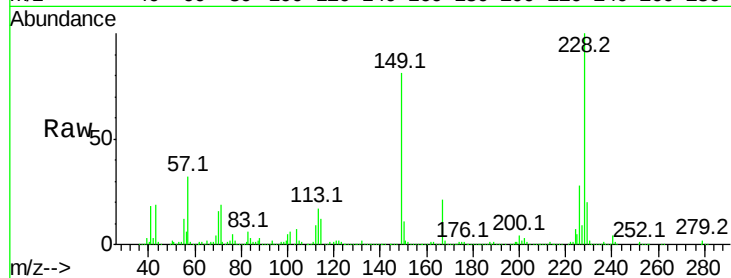
226 28.4 22.5 33.7

229 20.3 16.6 25.0

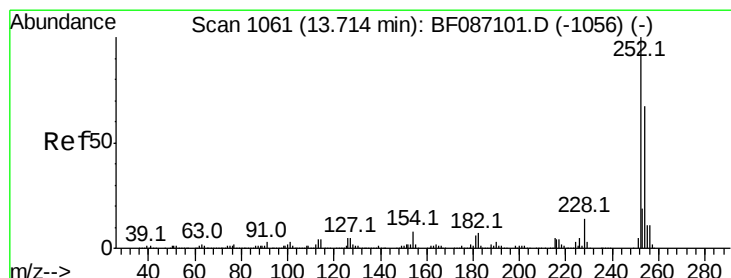
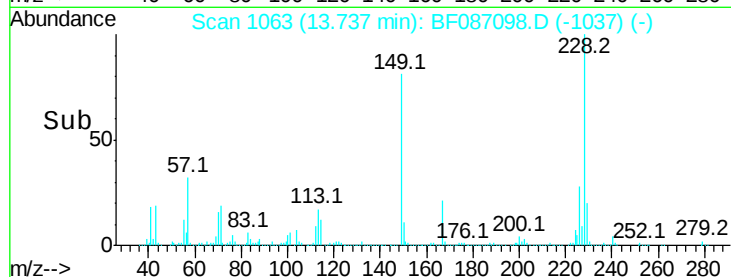
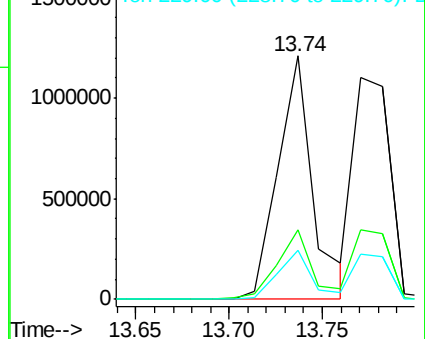
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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 65.37 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

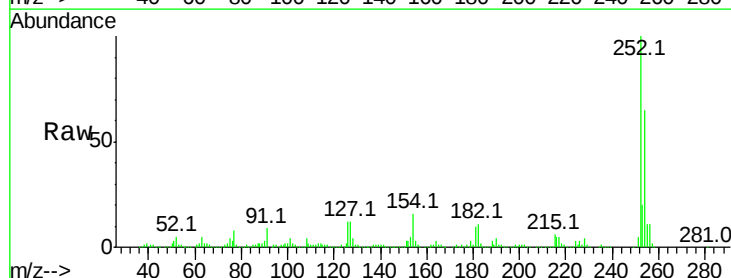
Tgt Ion:252 Resp: 915391

Ion Ratio Lower Upper

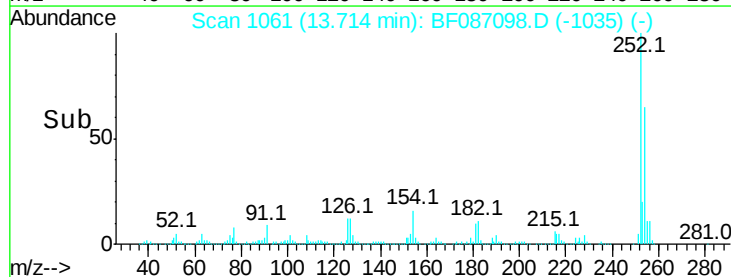
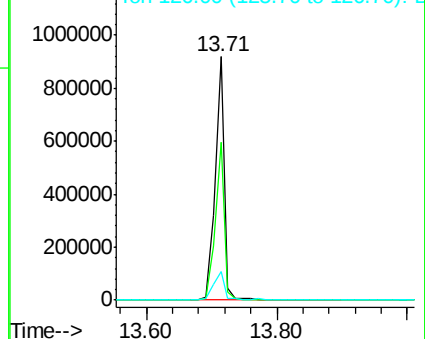
252 100

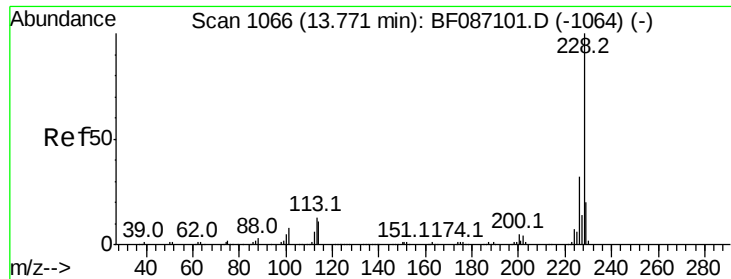
254 65.0 50.7 76.1

126 11.9 12.7 19.1#



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





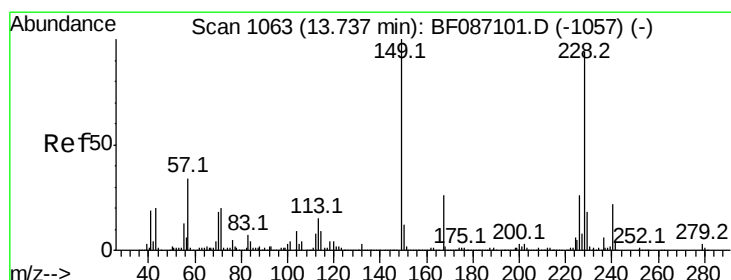
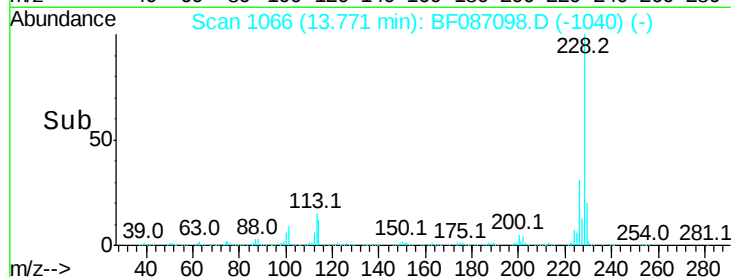
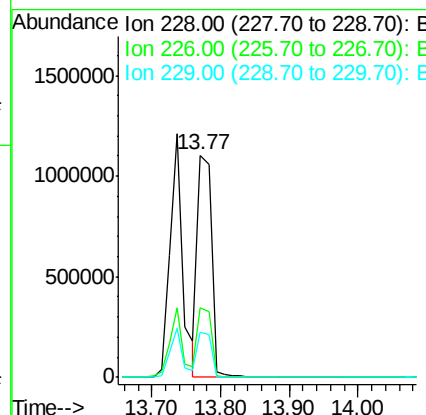
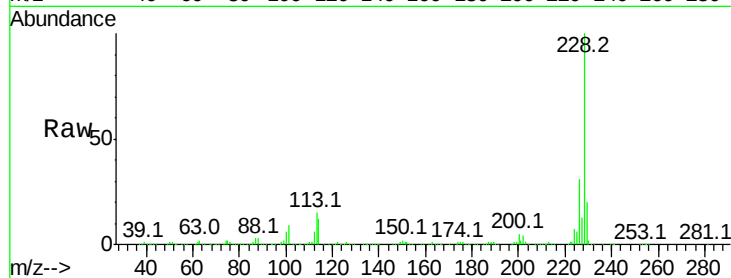
#82  
Chrysene  
Concen: 68.32 ng  
RT: 13.77 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion:228 Resp: 1531746  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.4 36.6  
229 20.5 15.8 23.8

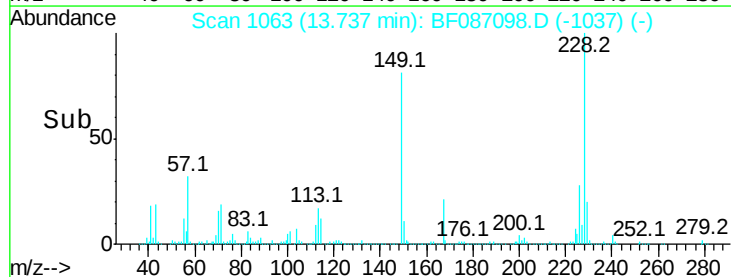
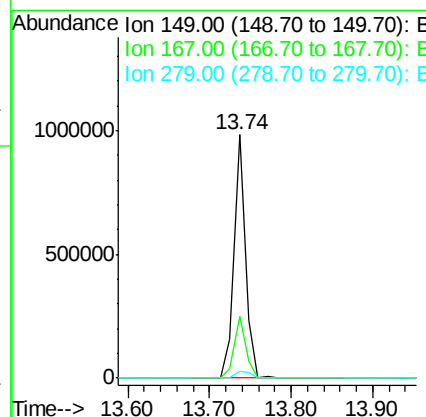
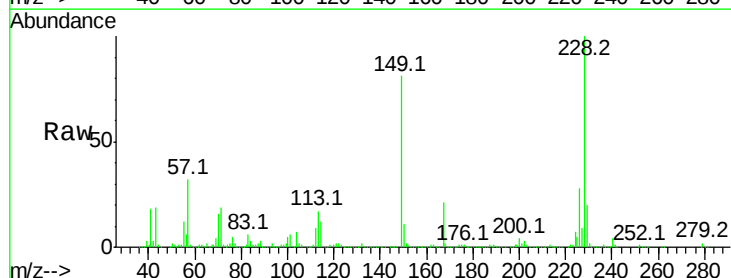
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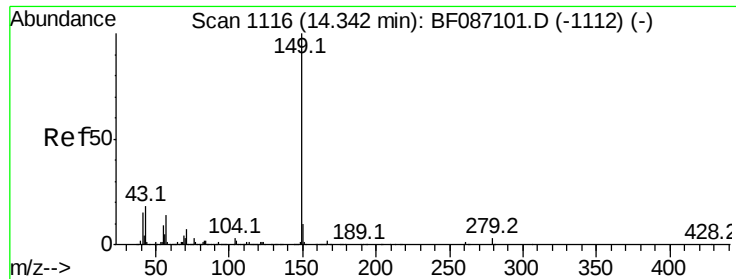
sohil  
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#83  
Bis(2-ethylhexyl)phthalate  
Concen: 62.62 ng  
RT: 13.74 min Scan# 1063  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Tgt Ion:149 Resp: 957608  
Ion Ratio Lower Upper  
149 100  
167 25.4 21.8 32.6  
279 2.9 2.6 4.0





#84

Di-n-octyl phthalate

Concen: 70.21 ng

RT: 14.35 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:149 Resp: 1778627

Ion Ratio Lower Upper

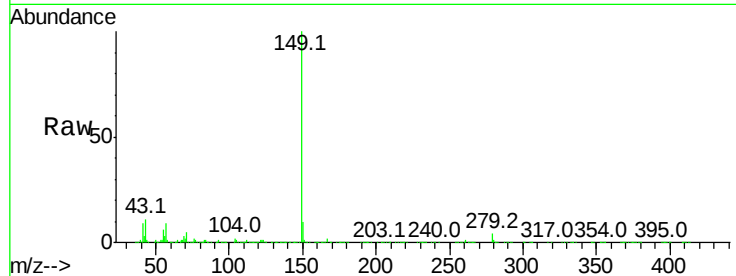
149 100

167 1.6 1.2 1.8

43 17.8 8.2 12.4#

Manual Integrations  
APPROVED

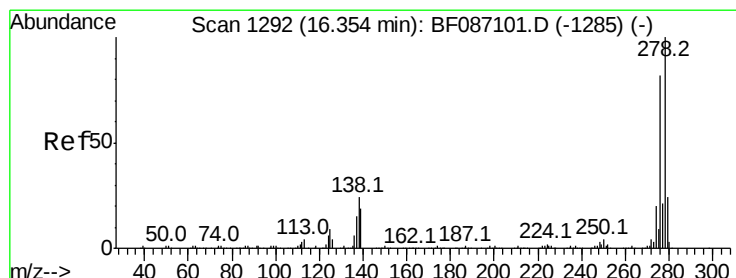
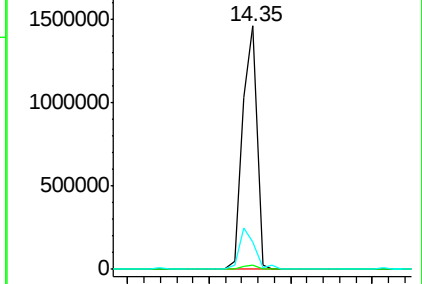
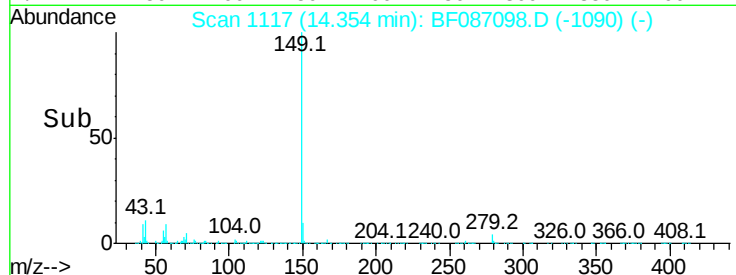
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 84.43 ng

RT: 16.37 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BF087098.D

Acq: 17 May 2016 12:40

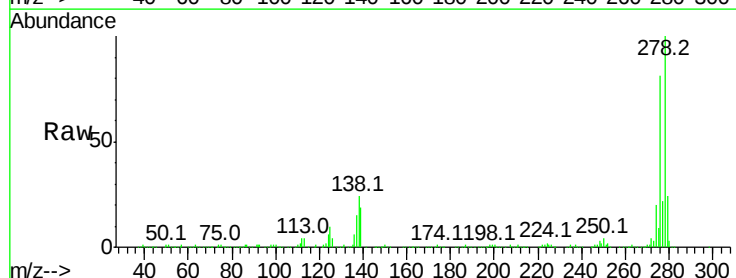
Tgt Ion:276 Resp: 1574904

Ion Ratio Lower Upper

276 100

138 26.2 25.6 38.4

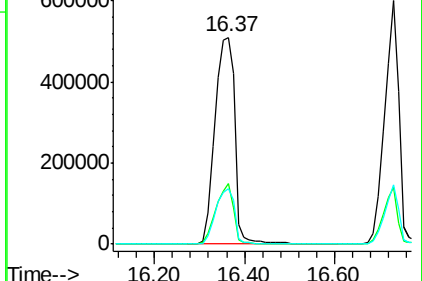
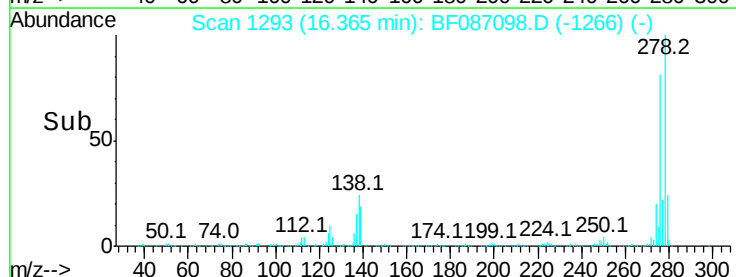
277 25.8 20.5 30.7

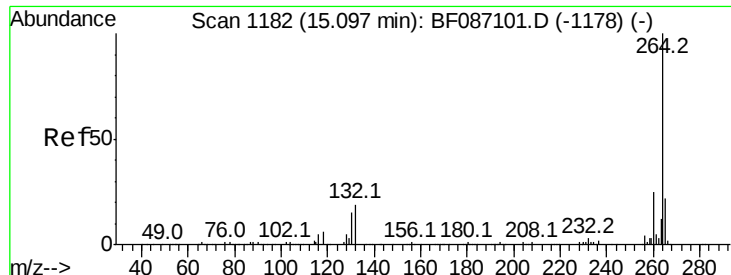


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





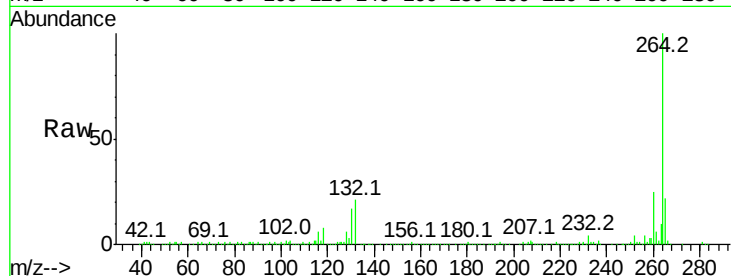
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.10 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

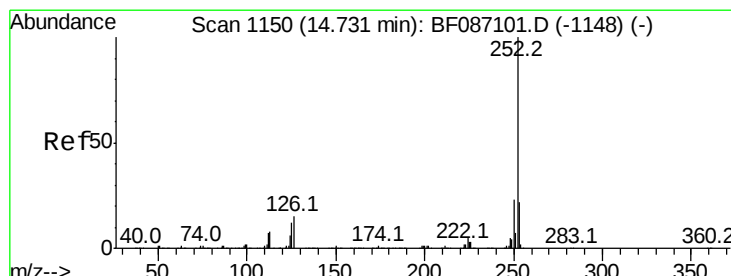
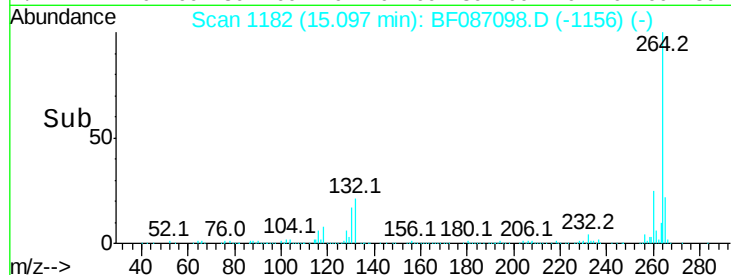
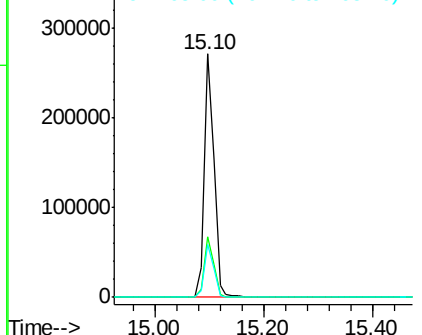
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.5  | 29.3  |
| 265     | 21.8  | 17.3  | 25.9  |

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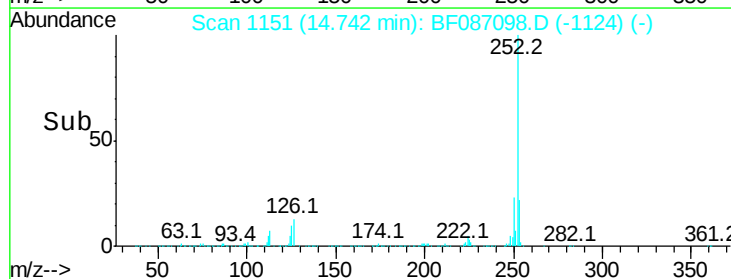
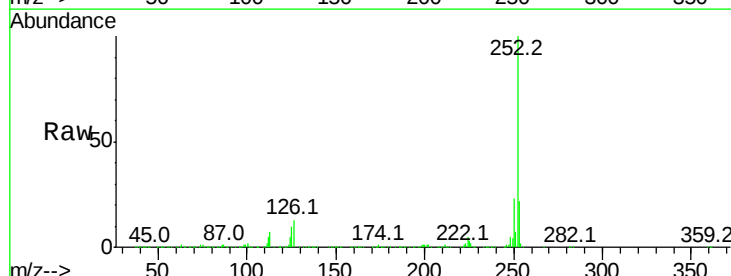
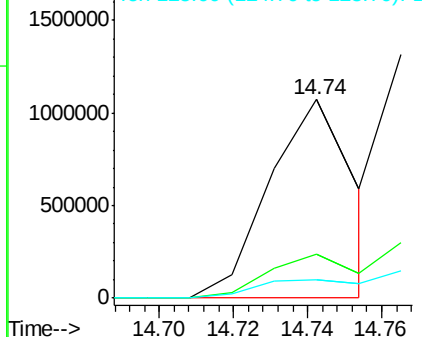
Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

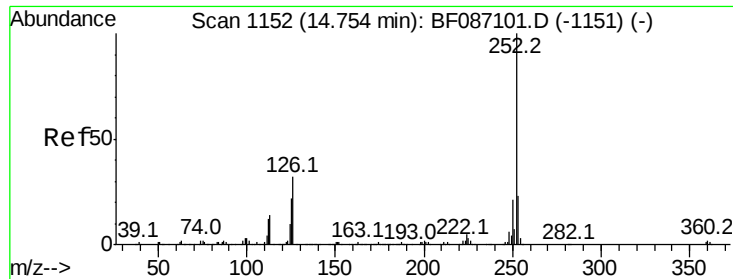


#87  
Benzo(b)fluoranthene  
Concen: 78.83 ng m  
RT: 14.74 min Scan# 1151  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.8  | 26.6  |
| 125     | 9.6   | 11.4  | 17.0  |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





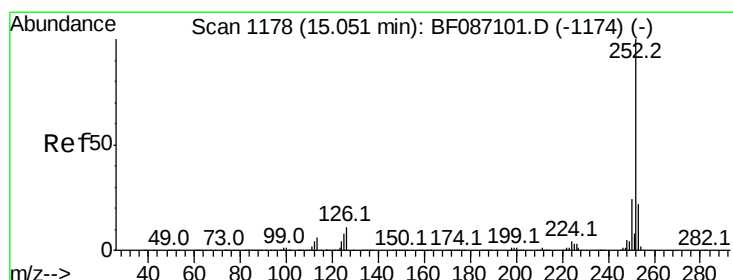
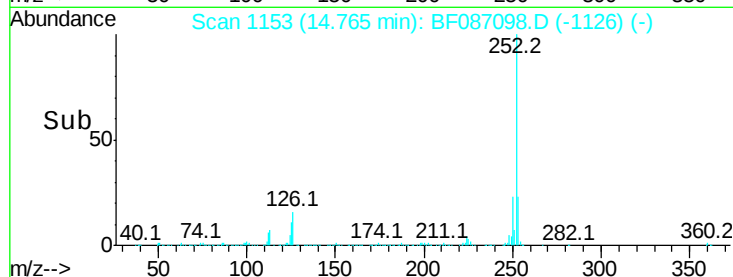
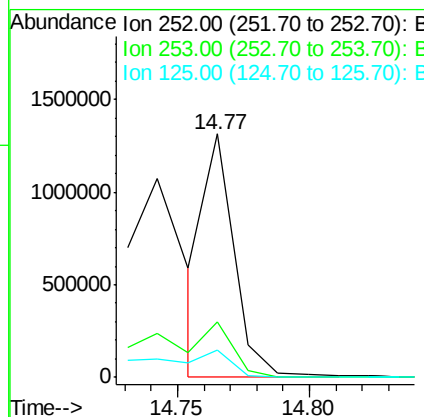
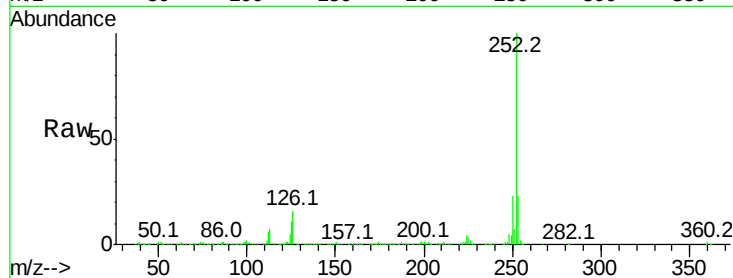
#88  
Benzo(k)fluoranthene  
Concen: 59.49 ng m  
RT: 14.77 min Scan# 1153  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.8  | 26.6  |
| 125     | 11.0  | 9.1   | 13.7  |

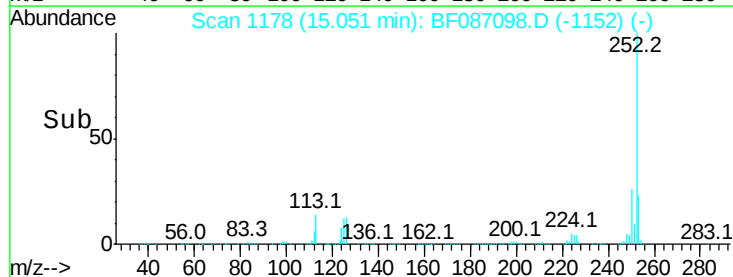
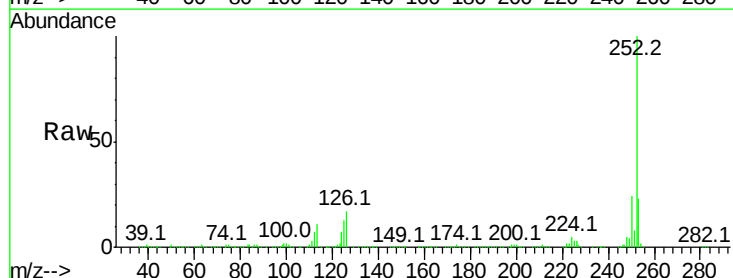
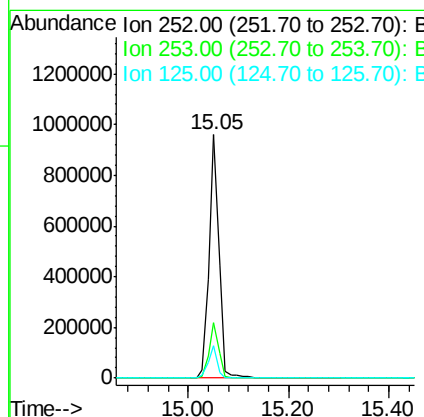
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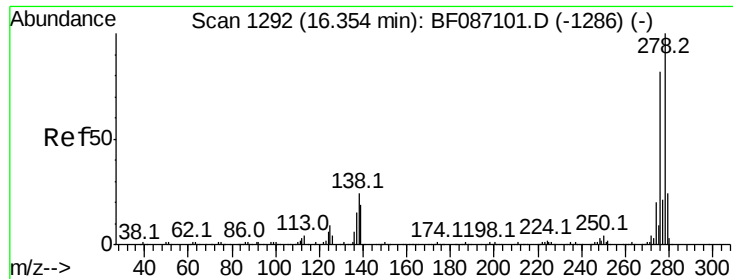
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#89  
Benzo(a)pyrene  
Concen: 69.71 ng  
RT: 15.05 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.2  | 25.8  |
| 125     | 13.2  | 9.0   | 13.6  |





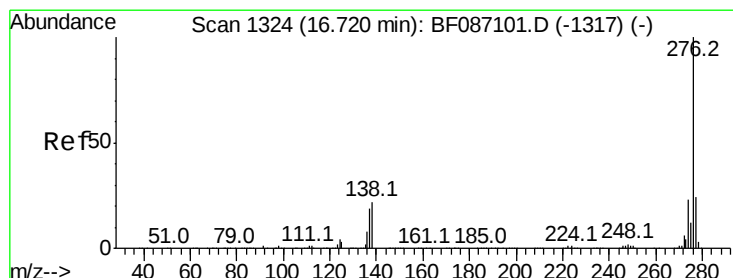
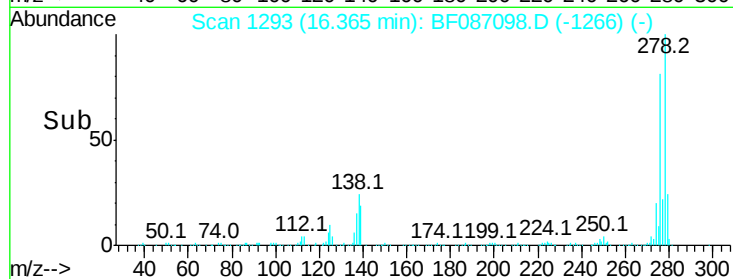
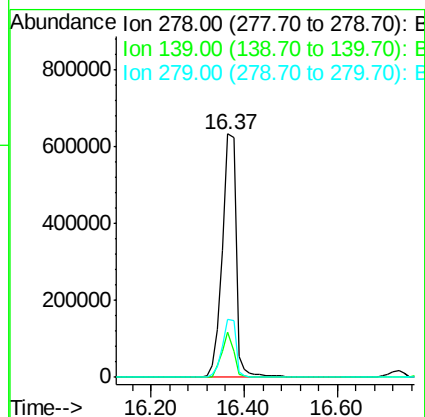
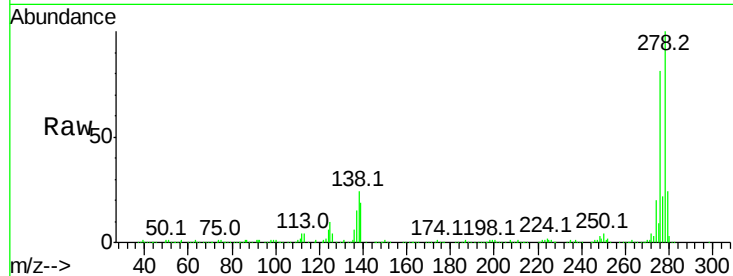
#90  
Dibenzo(a,h)anthracene  
Concen: 81.89 ng  
RT: 16.37 min Scan# 1293  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

|     |         |       |         |
|-----|---------|-------|---------|
| Tot | Ion:278 | Resp: | 1288560 |
| Ion | Ratio   | Lower | Upper   |
| 278 | 100     |       |         |
| 139 | 18.8    | 16.6  | 24.8    |
| 279 | 24.0    | 19.6  | 29.4    |

Manual Integrations  
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#91  
Benzo(g,h,i)perylene  
Concen: 83.31 ng  
RT: 16.73 min Scan# 1325  
Delta R.T. 0.01 min  
Lab File: BF087098.D  
Acq: 17 May 2016 12:40

|     |         |               |       |
|-----|---------|---------------|-------|
| Tgt | Ion:276 | Resp: 1332061 |       |
| Ion | Ratio   | Lower         | Upper |
| 276 | 100     |               |       |
| 277 | 24.1    | 19.6          | 29.4  |
| 138 | 23.5    | 23.6          | 35.4# |

