

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\  
 Data File : BF095272.D  
 Acq On : 19 May 2017 20:02  
 Operator : SJ/MA  
 Sample : I3203-06MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 20 00:30:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 80965    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.78  | 136  | 363678   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.61 | 164  | 178574   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 15.02 | 188  | 322541   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.69 | 240  | 246051   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.37 | 264  | 166338   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.74  | 112 | 699921  | 144.13 | ng | 0.00  |
| 7) Phenol-d6                | 7.31  | 99  | 859805  | 147.56 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 8.67  | 82  | 548849  | 95.17  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 13.92 | 330 | 220358  | 150.68 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 11.55 | 172 | 1006009 | 81.09  | ng | 0.00  |
| 78) Terphenyl-d14           | 17.34 | 244 | 858211  | 76.82  | ng | -0.01 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.27  | 88  | 90188  | 37.87 | ng | 92     |
| 3) Pyridine                    | 2.98  | 79  | 182442 | 33.05 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 2.90  | 42  | 81611  | 35.47 | ng | 91     |
| 6) Aniline                     | 7.28  | 93  | 285870 | 38.86 | ng | 95     |
| 8) 2-Chlorophenol              | 7.46  | 128 | 273907 | 49.55 | ng | 94     |
| 9) Benzaldehyde                | 7.10  | 77  | 85334  | 23.98 | ng | 97     |
| 10) Phenol                     | 7.33  | 94  | 286750 | 46.70 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 252851 | 49.88 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.67  | 146 | 282798 | 45.10 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.80  | 146 | 290337 | 45.66 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.02  | 146 | 285478 | 48.10 | ng | 98     |
| 15) Benzyl Alcohol             | 8.05  | 79  | 224193 | 59.82 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 339424 | 47.31 | ng | 57     |
| 17) 2-Methylphenol             | 8.26  | 107 | 231429 | 51.16 | ng | # 91   |
| 18) Hexachloroethane           | 8.54  | 117 | 100059 | 46.45 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 205742 | 52.21 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.52  | 107 | 313935 | 51.07 | ng | # 60   |
| 22) Acetophenone               | 8.44  | 105 | 406143 | 46.55 | ng | # 84   |
| 24) Nitrobenzene               | 8.70  | 77  | 283297 | 46.86 | ng | 90     |
| 25) Isophorone                 | 9.10  | 82  | 525701 | 51.05 | ng | 95     |
| 26) 2-Nitrophenol              | 9.21  | 139 | 167101 | 51.23 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.34  | 122 | 264075 | 50.07 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.46  | 93  | 351940 | 49.40 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 9.62  | 162 | 246543 | 49.51 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 9.71  | 180 | 242448 | 45.45 | ng | 98     |
| 31) Naphthalene                | 9.81  | 128 | 840177 | 45.97 | ng | 100    |
| 32) Benzoic acid               | 9.62  | 122 | 55357  | 19.38 | ng | 98     |
| 33) 4-Chloroaniline            | 9.99  | 127 | 77318  | 11.35 | ng | 94     |
| 34) Hexachlorobutadiene        | 10.03 | 225 | 117691 | 41.81 | ng | 97     |
| 35) Caprolactam                | 10.60 | 113 | 38046  | 25.44 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 10.81 | 107 | 285220 | 53.57 | ng | 88     |
| 37) 2-Methylnaphthalene        | 10.94 | 142 | 600385 | 50.05 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.22 | 216 | 235824 | 42.94 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.19 | 237 | 116053 | 52.52 | ng | 99     |

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 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

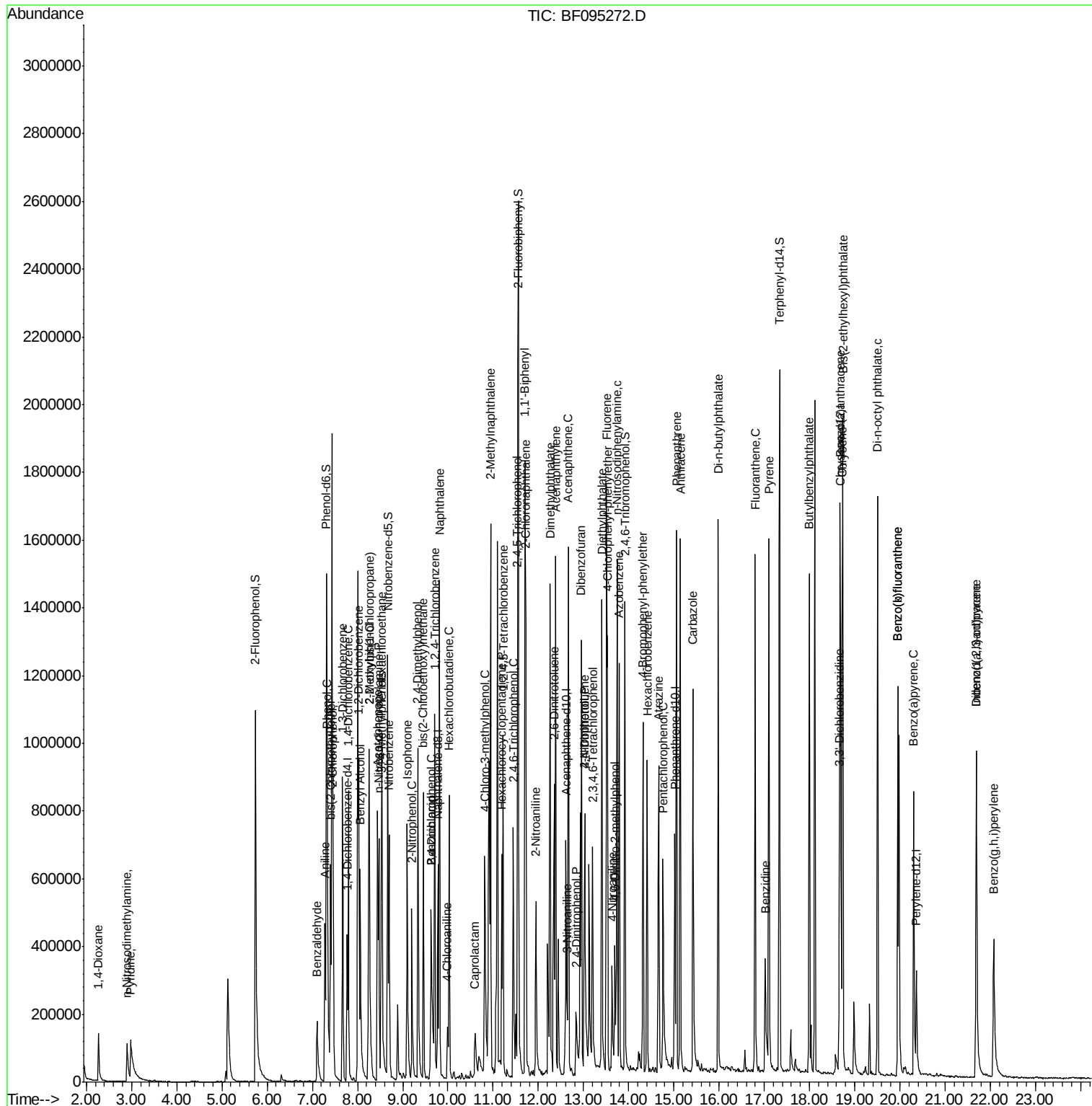
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.44 | 196  | 172921   | 47.16 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 11.54 | 196  | 162407   | 41.21 | nq    | 92       |
| 45) 1,1'-Biphenyl              | 11.71 | 154  | 665746   | 44.28 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 11.72 | 162  | 532156   | 43.83 | nq    | 95       |
| 47) 2-Nitroaniline             | 11.95 | 65   | 155286   | 46.73 | nq    | # 78     |
| 48) Acenaphthylene             | 12.38 | 152  | 842934   | 44.33 | nq    | 98       |
| 49) Dimethylphthalate          | 12.26 | 163  | 852436   | 58.15 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.35 | 165  | 141443   | 47.29 | nq    | 93       |
| 51) Acenaphthene               | 12.67 | 154  | 458472   | 40.37 | nq    | 98       |
| 52) 3-Nitroaniline             | 12.64 | 138  | 61384    | 19.12 | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 12.84 | 184  | 83048    | 52.73 | nq    | # 66     |
| 54) Dibenzofuran               | 12.95 | 168  | 731249   | 46.53 | nq    | 98       |
| 55) 4-Nitrophenol              | 13.02 | 139  | 156989   | 81.43 | nq    | # 72     |
| 56) 2,4-Dinitrotoluene         | 13.02 | 165  | 191439   | 49.81 | nq    | # 92     |
| 57) Fluorene                   | 13.51 | 166  | 621259   | 45.46 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.20 | 232  | 129452   | 52.19 | nq    | 96       |
| 59) Diethylphthalate           | 13.41 | 149  | 638937   | 45.47 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 13.53 | 204  | 276543   | 46.04 | nq    | 90       |
| 61) 4-Nitroaniline             | 13.63 | 138  | 123644   | 41.96 | nq    | 97       |
| 62) Azobenzene                 | 13.79 | 77   | 585903   | 51.89 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 13.69 | 198  | 95183    | 44.02 | nq    | # 70     |
| 65) n-Nitrosodiphenylamine     | 13.74 | 169  | 537989   | 45.96 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 14.32 | 248  | 155945   | 45.76 | nq    | 98       |
| 67) Hexachlorobenzene          | 14.41 | 284  | 157457   | 45.09 | nq    | # 88     |
| 68) Atrazine                   | 14.67 | 200  | 162161   | 49.06 | nq    | 95       |
| 69) Pentachlorophenol          | 14.77 | 266  | 129065   | 81.61 | nq    | 99       |
| 70) Phenanthrene               | 15.06 | 178  | 839808   | 45.32 | nq    | 98       |
| 71) Anthracene                 | 15.14 | 178  | 883549   | 46.67 | nq    | 99       |
| 72) Carbazole                  | 15.42 | 167  | 835935   | 48.53 | nq    | 97       |
| 73) Di-n-butylphthalate        | 15.98 | 149  | 1050320  | 48.90 | nq    | 99       |
| 74) Fluoranthene               | 16.80 | 202  | 853122   | 44.88 | nq    | 99       |
| 76) Benzidine                  | 17.02 | 184  | 265918   | 41.06 | nq    | # 93     |
| 77) Pyrene                     | 17.10 | 202  | 861902   | 46.84 | nq    | 99       |
| 79) Butylbenzylphthalate       | 17.99 | 149  | 438446   | 51.22 | nq    | # 85     |
| 80) Benzo(a)anthracene         | 18.68 | 228  | 665027   | 46.44 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 18.66 | 252  | 147264   | 29.78 | nq    | # 97     |
| 82) Chrysene                   | 18.72 | 228  | 625181   | 45.15 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.74 | 149  | 617537   | 50.64 | nq    | # 100    |
| 84) Di-n-octyl phthalate       | 19.51 | 149  | 994547   | 49.74 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.69 | 276  | 463851   | 41.25 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 19.95 | 252  | 466675   | 45.40 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 19.95 | 252  | 466675   | 47.07 | nq    | 96       |
| 89) Benzo(a)pyrene             | 20.31 | 252  | 455716   | 48.05 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 21.69 | 278  | 378834   | 48.36 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 22.08 | 276  | 410165   | 53.36 | nq    | 98       |

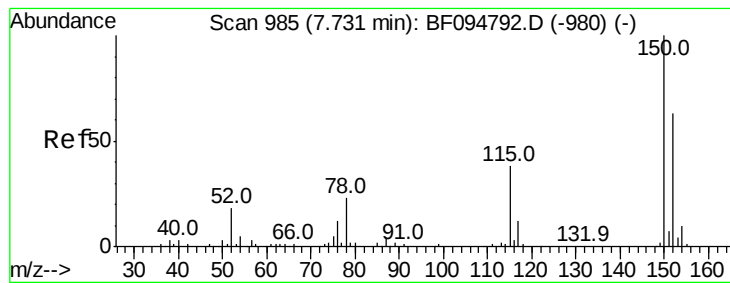
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc      :  
ALS Vial  : 8      Sample Multiplier: 1
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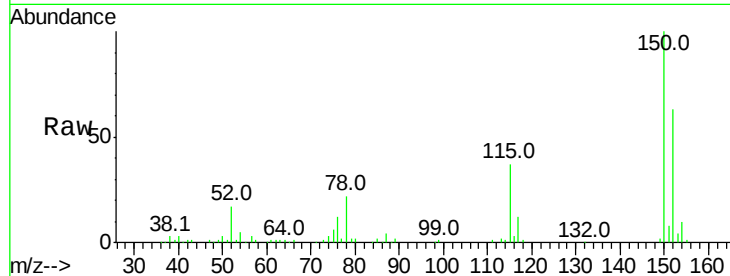


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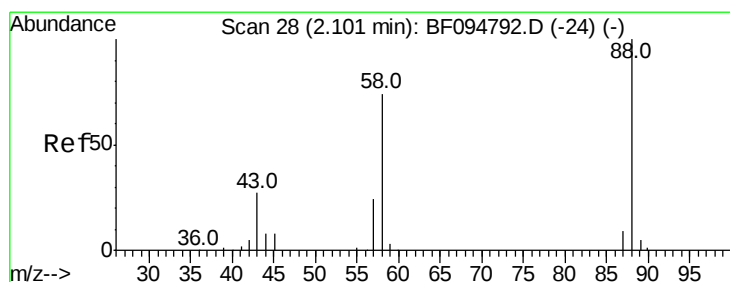
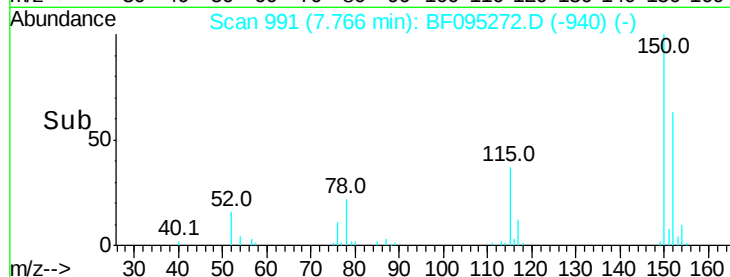
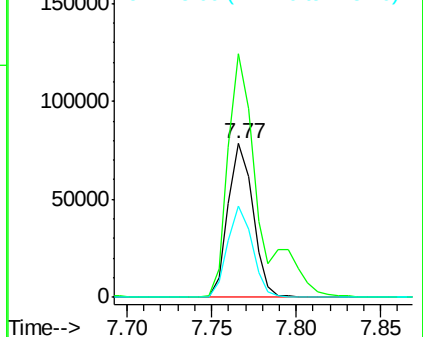
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 80965  
Ion Ratio Lower Upper  
152 100  
150 158.5 126.2 189.2  
115 59.3 52.2 78.2



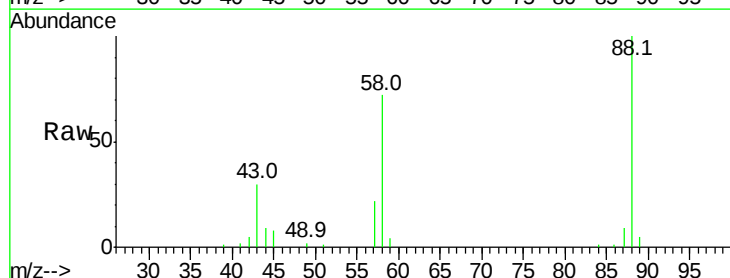
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



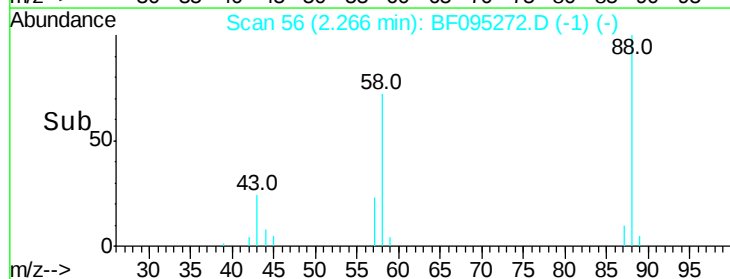
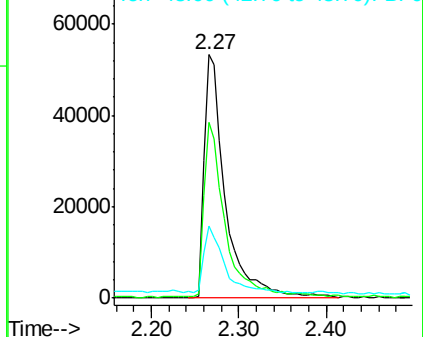
#2

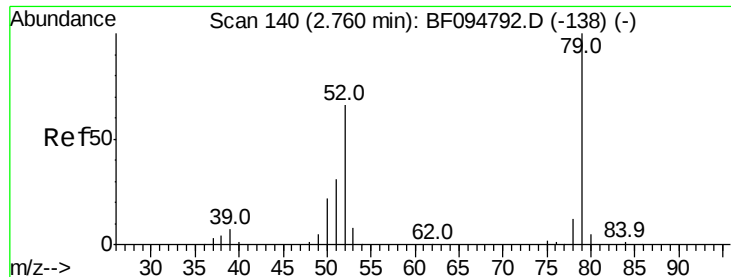
1,4-Dioxane  
Concen: 37.87 ng  
RT: 2.27 min Scan# 56  
Delta R.T. 0.04 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion: 88 Resp: 90188  
Ion Ratio Lower Upper  
88 100  
58 68.5 61.4 92.0  
43 27.3 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 33.05 ng

RT: 2.98 min Scan# 177

Delta R.T. 0.05 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampled :

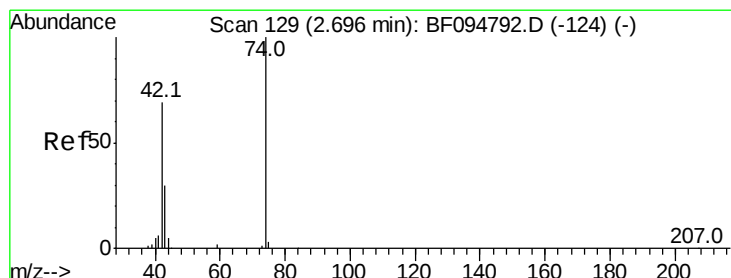
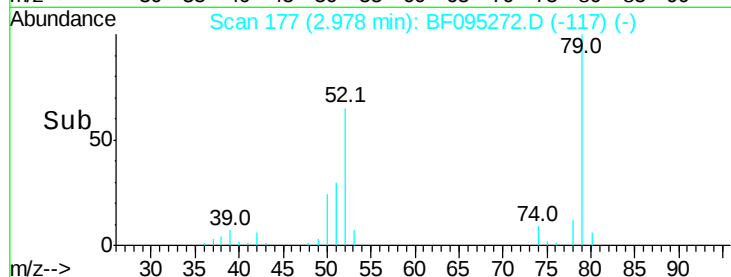
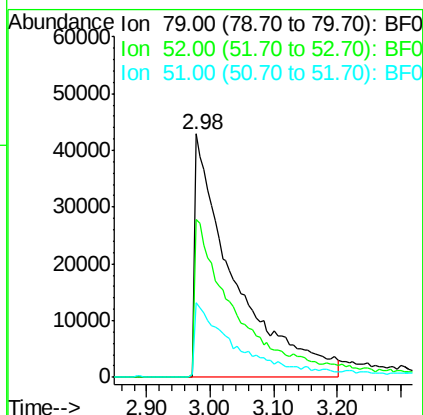
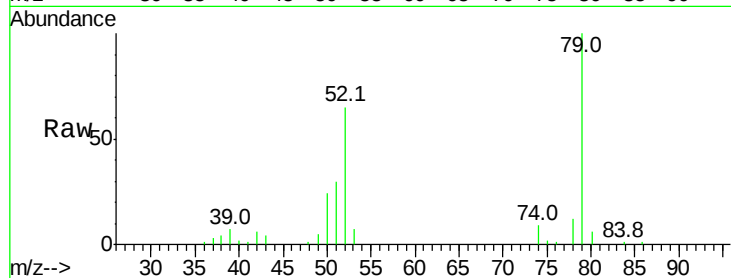
Tot Ion: 79 Resp: 182442

Ion Ratio Lower Upper

79 100

52 64.6 54.8 82.2

51 30.5 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 35.47 ng

RT: 2.90 min Scan# 164

Delta R.T. 0.05 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

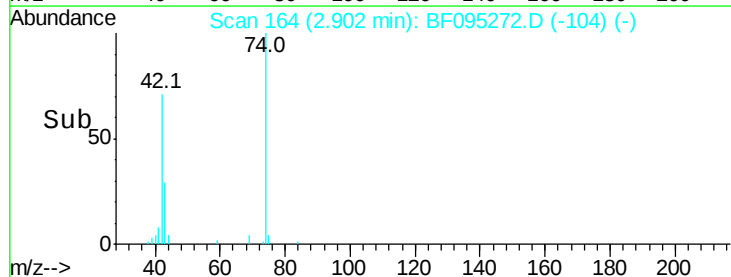
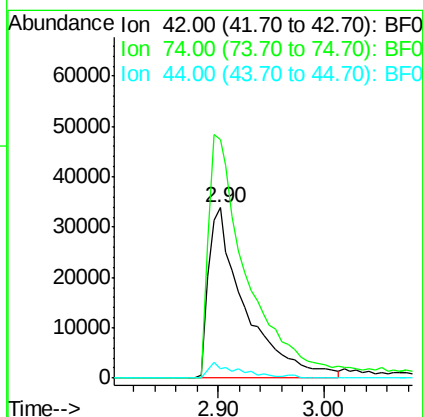
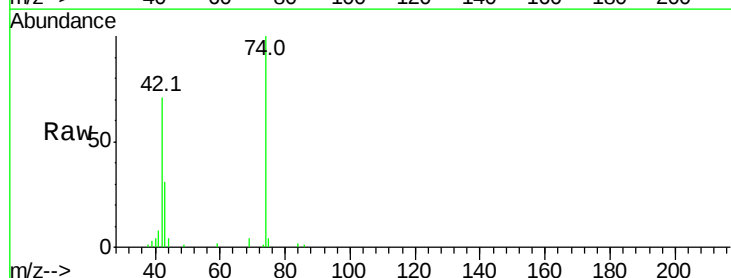
Tgt Ion: 42 Resp: 81611

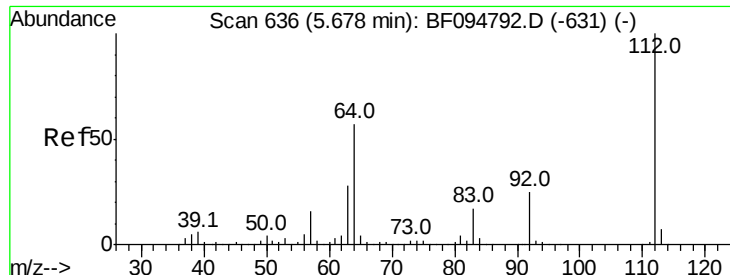
Ion Ratio Lower Upper

42 100

74 140.5 103.9 155.9

44 5.8 5.7 8.5





#5

2-Fluorophenol

Concen: 144.13 ng

RT: 5.74 min Scan# 646

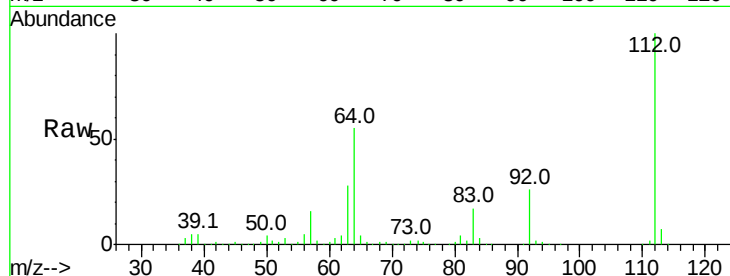
Delta R.T. 0.00 min

Lab File: BF095272.D

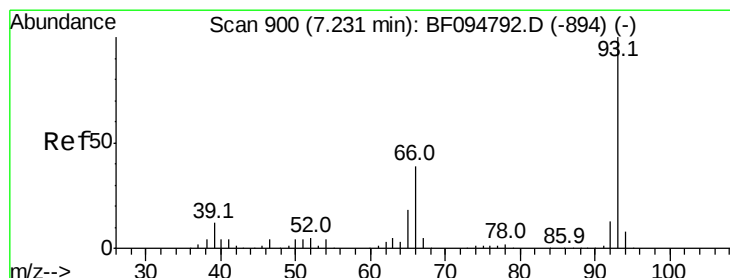
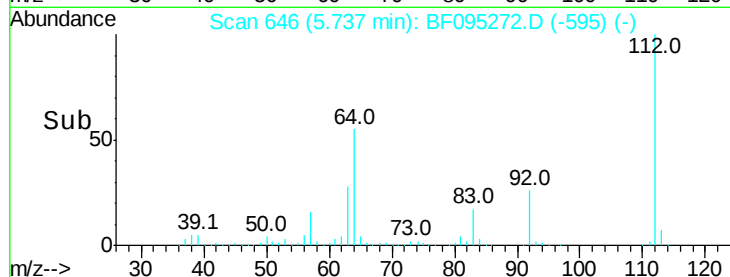
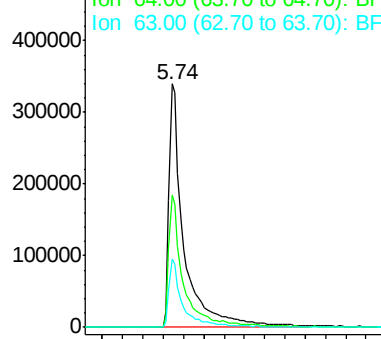
Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 699921 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 54.6  | 46.0  | 69.0   |
| 63       | 27.9  | 23.4  | 35.0   |



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 38.86 ng

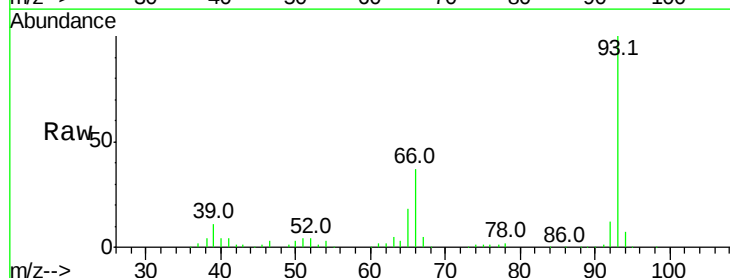
RT: 7.28 min Scan# 908

Delta R.T. 0.00 min

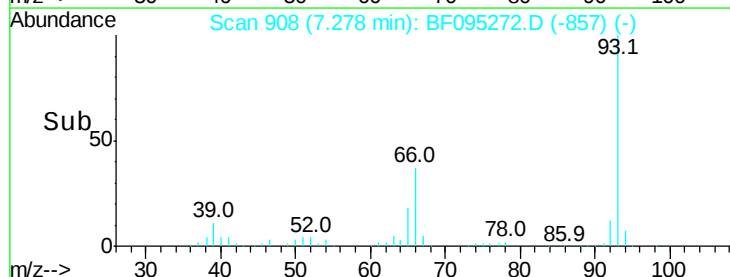
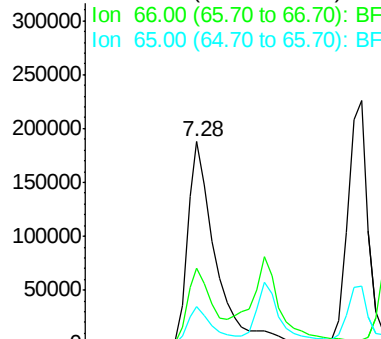
Lab File: BF095272.D

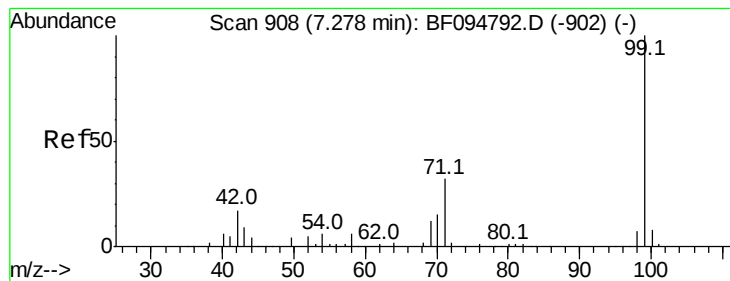
Acq: 19 May 2017 20:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 285870 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 37.3  | 32.9  | 49.3   |
| 65       | 18.5  | 16.0  | 24.0   |



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 147.56 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampled :

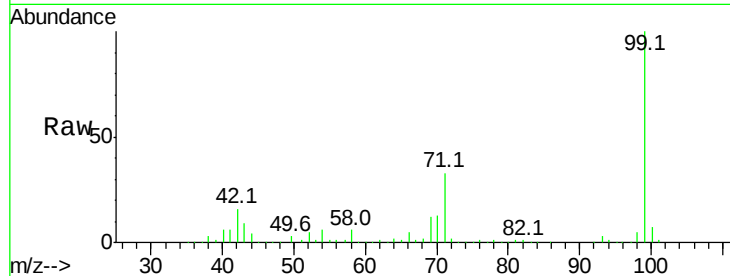
Tot Ion: 99 Resp: 859805

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

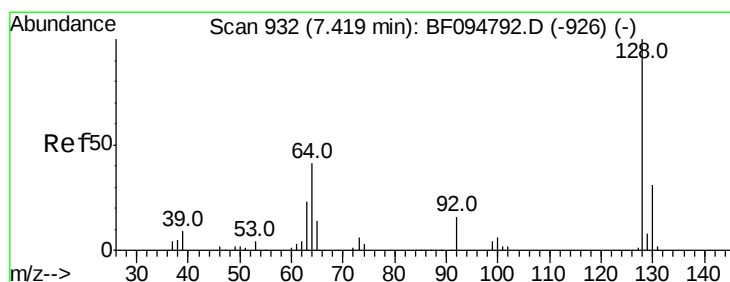
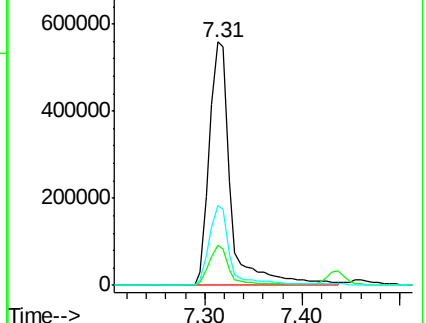
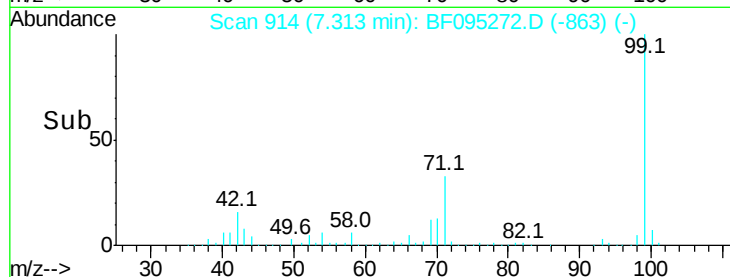
71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 49.55 ng

RT: 7.46 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

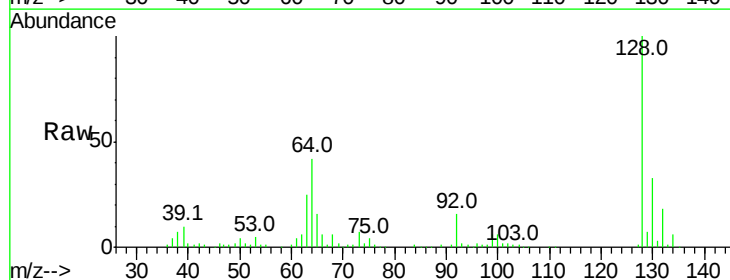
Tgt Ion: 128 Resp: 273907

Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

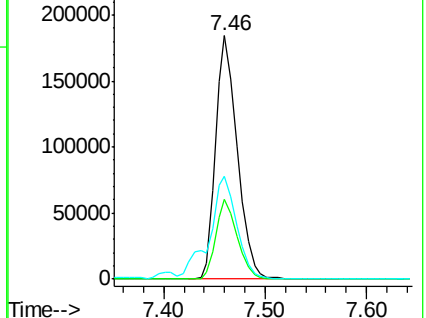
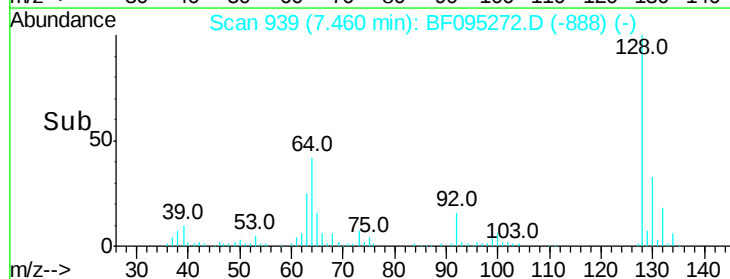
64 42.3 28.4 68.4

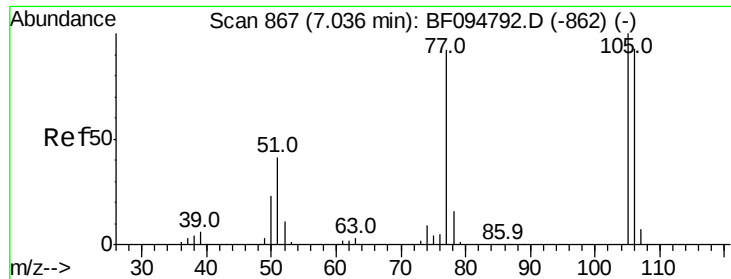


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

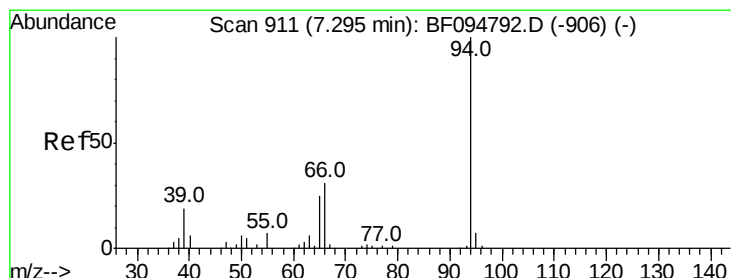
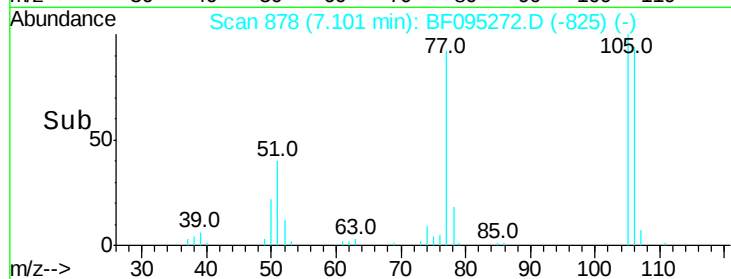
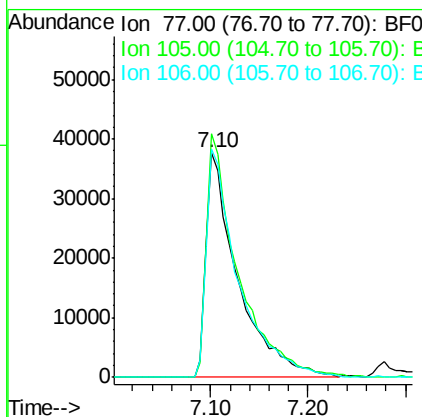
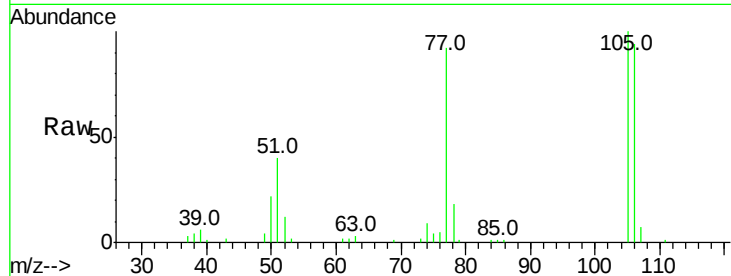




#9  
Benzaldehyde  
Concen: 23.98 ng  
RT: 7.10 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

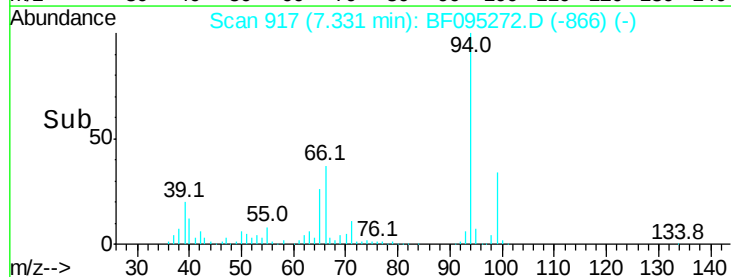
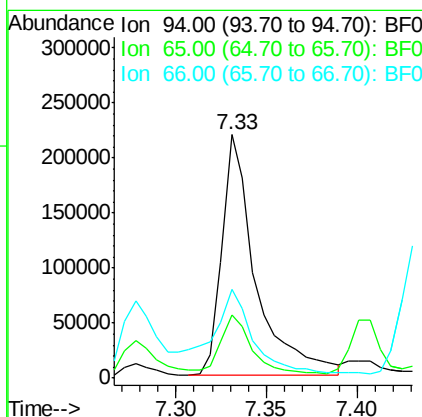
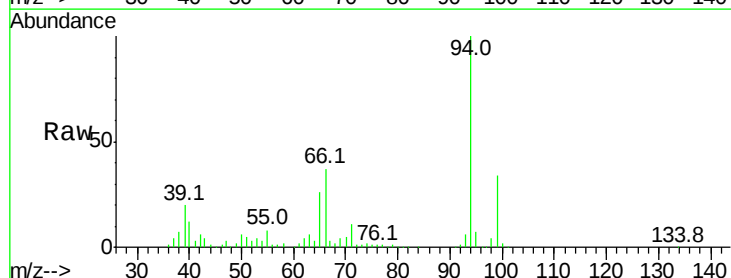
Instrument :  
BNA\_F  
ClientSampled :

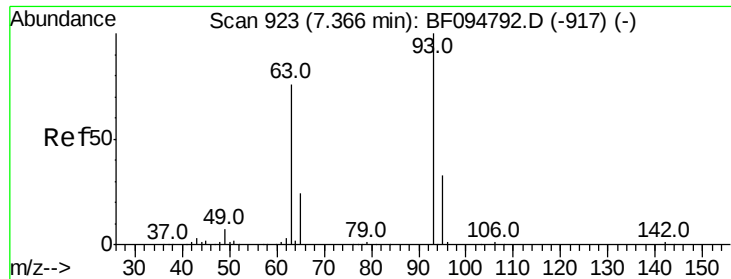
Tot Ion: 77 Resp: 85334  
Ion Ratio Lower Upper  
77 100  
105 108.2 83.8 123.8  
106 101.3 79.1 119.1



#10  
Phenol  
Concen: 46.70 ng  
RT: 7.33 min Scan# 917  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion: 94 Resp: 286750  
Ion Ratio Lower Upper  
94 100  
65 26.1 9.9 49.9  
66 36.5 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 49.88 ng

RT: 7.41 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

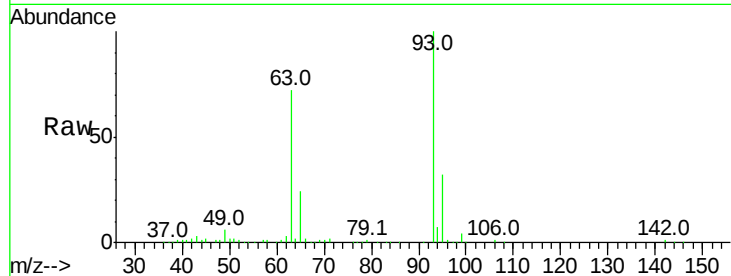
Tot Ion: 93 Resp: 252851

Ion Ratio Lower Upper

93 100

63 71.6 59.2 99.2

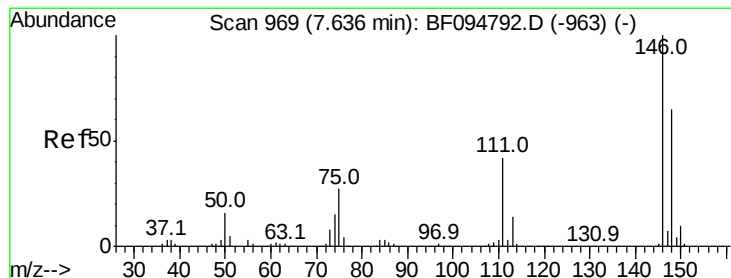
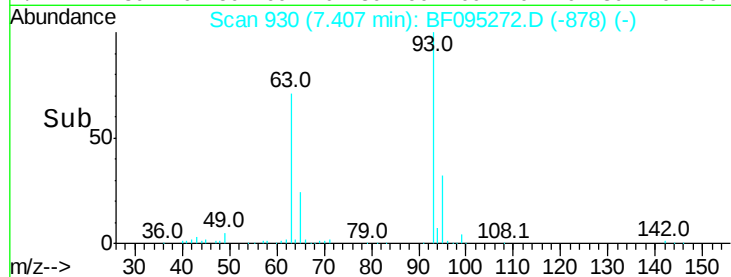
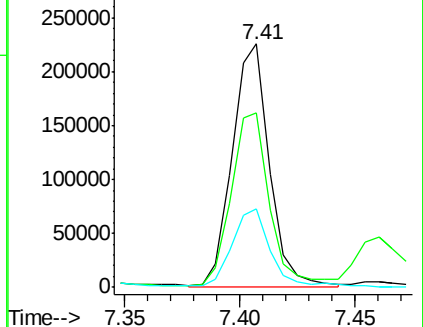
95 32.3 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 45.10 ng

RT: 7.67 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

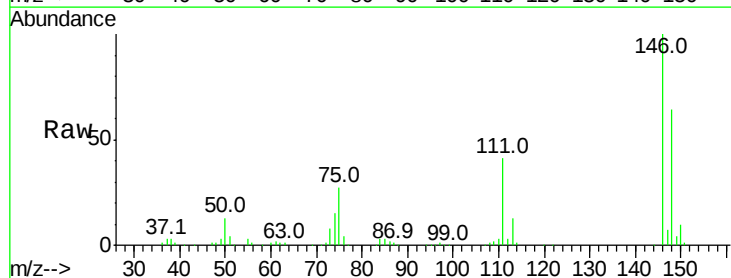
Tgt Ion: 146 Resp: 282798

Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

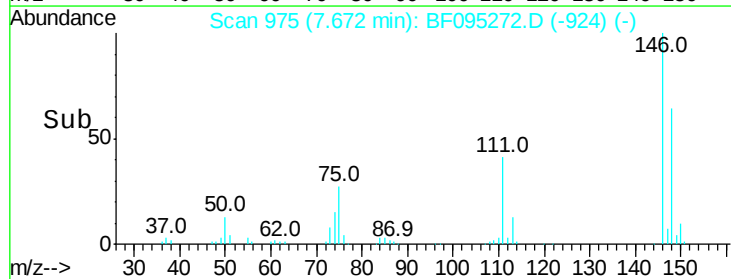
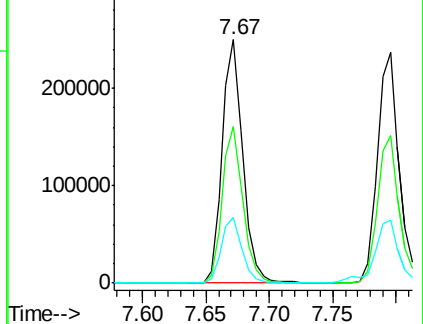
75 27.1 23.1 34.7

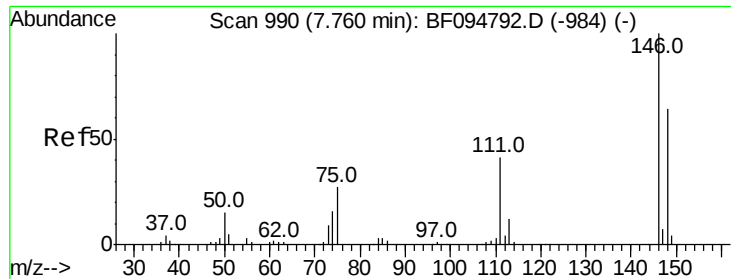


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

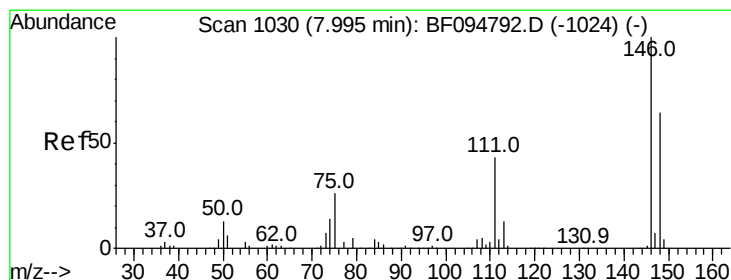
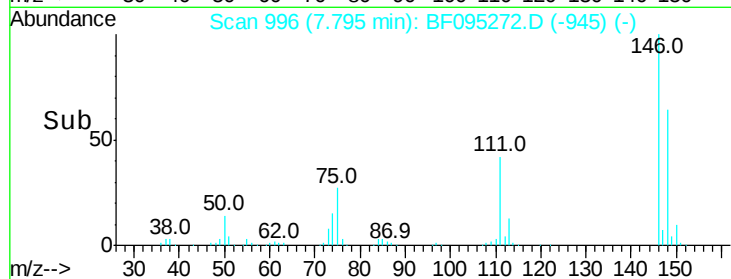
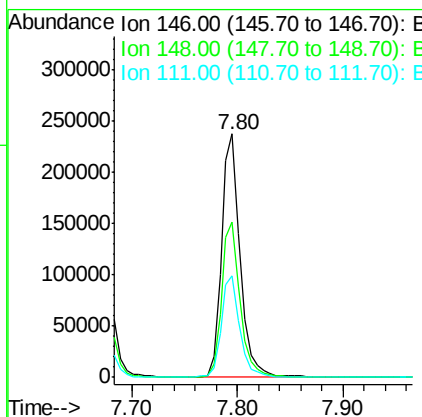
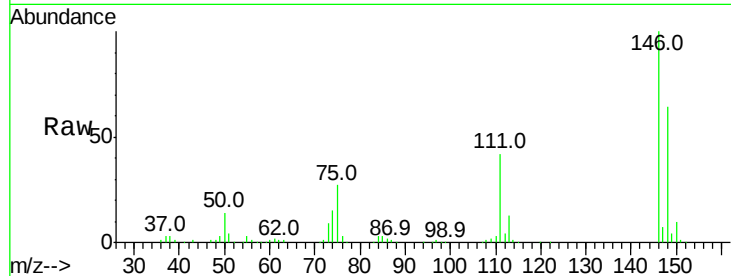




#13  
 1,4-Dichlorobenzene  
 Concen: 45.66 ng  
 RT: 7.80 min Scan# 996  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

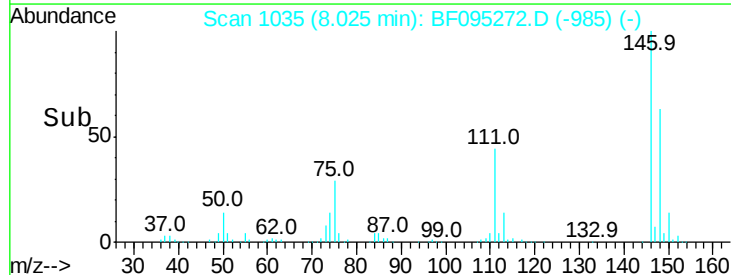
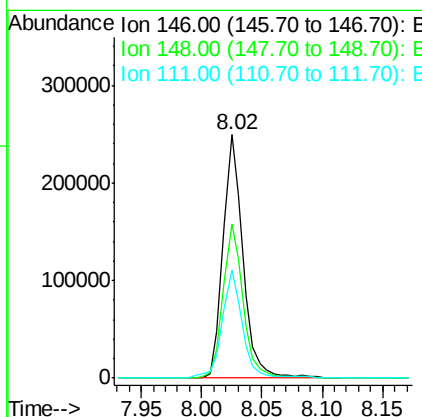
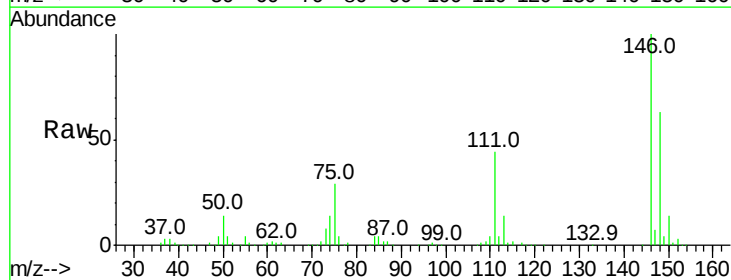
Instrument :  
 BNA\_F  
 ClientSampleId :

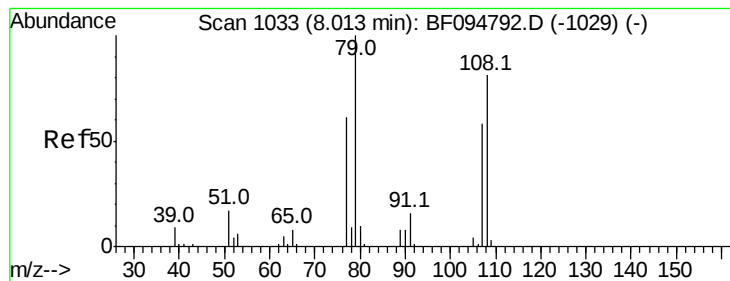
Tot Ion:146 Resp: 290337  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 52.2 78.2  
 111 41.5 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 48.10 ng  
 RT: 8.02 min Scan# 1035  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Tgt Ion:146 Resp: 285478  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 50.4 75.6  
 111 44.2 38.2 57.4





#15

Benzyl Alcohol

Concen: 59.82 ng

RT: 8.05 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

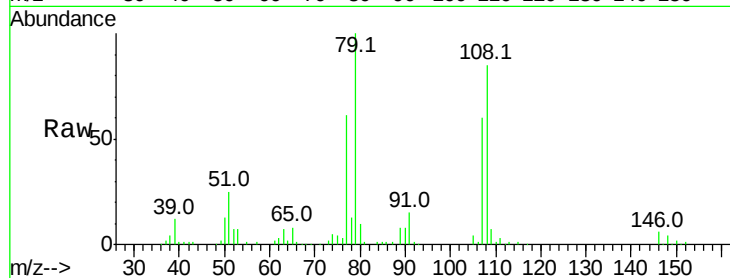
Tot Ion: 79 Resp: 224193

Ion Ratio Lower Upper

79 100

108 85.3 63.4 95.0

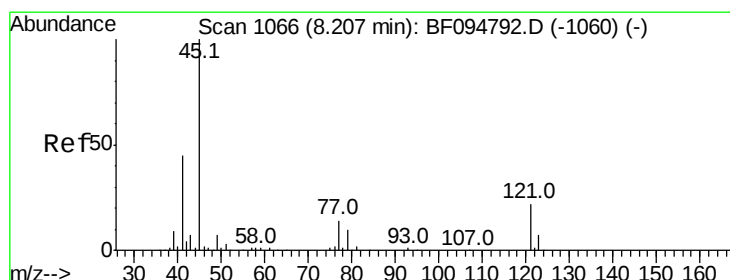
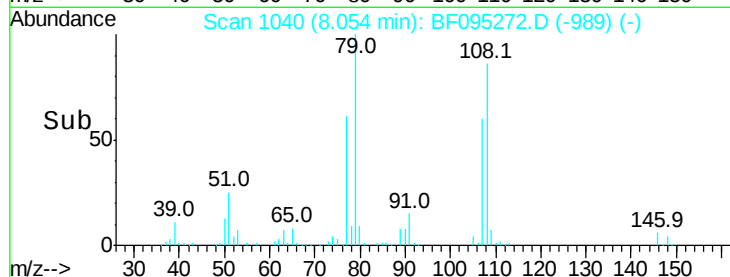
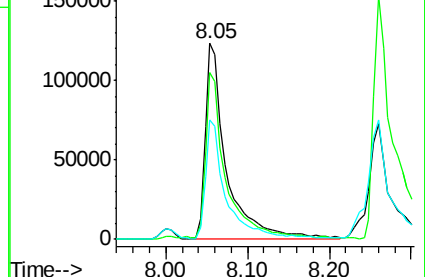
77 61.0 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.31 ng

RT: 8.25 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

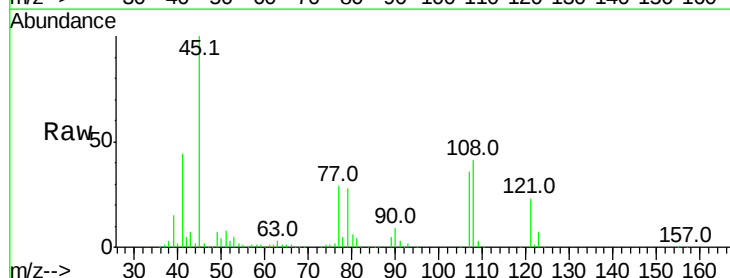
Tgt Ion: 45 Resp: 339424

Ion Ratio Lower Upper

45 100

77 29.0 0.0 33.2

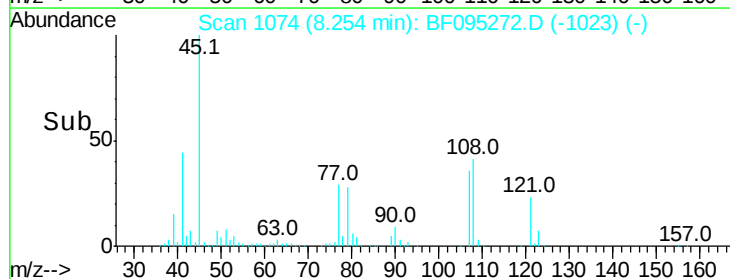
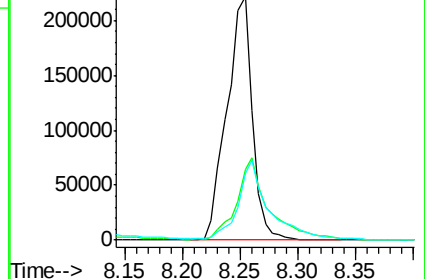
79 27.5 0.0 30.0

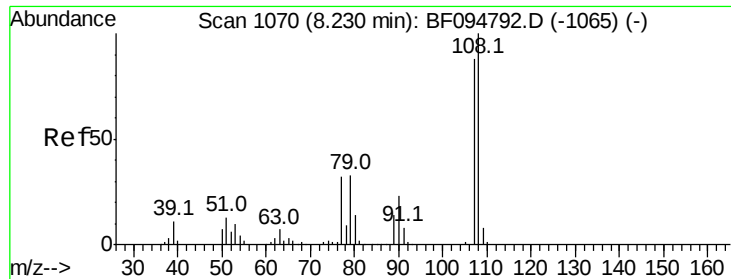


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

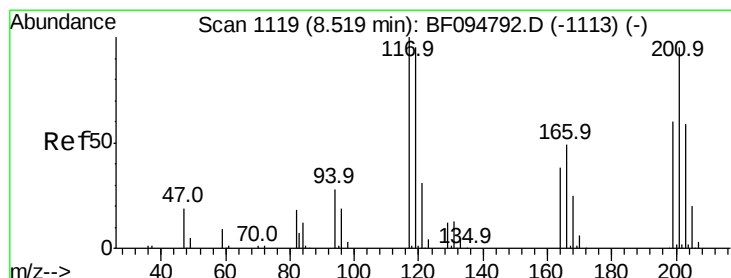
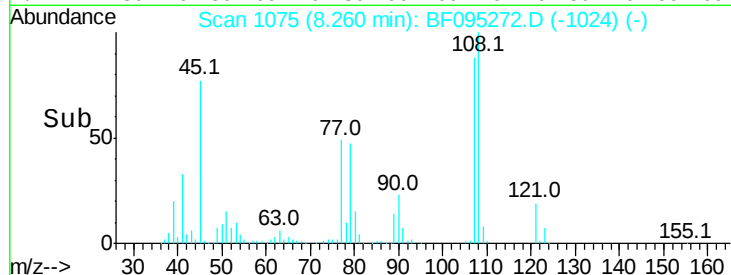
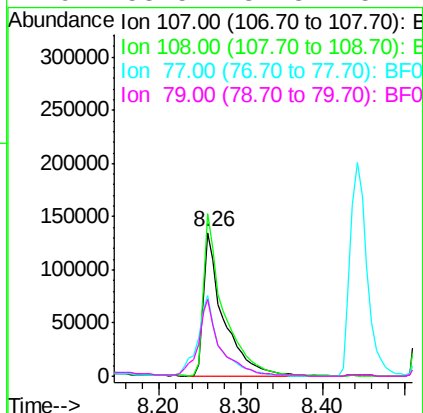
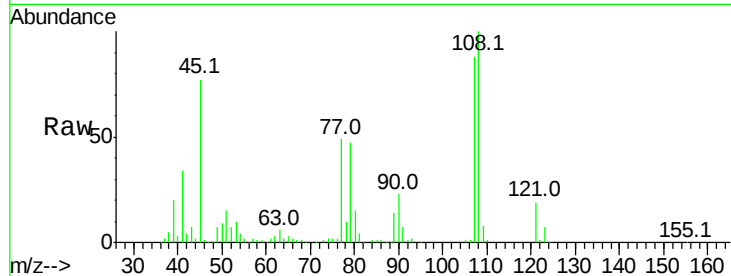




#17  
2-Methylphenol  
Concen: 51.16 ng  
RT: 8.26 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

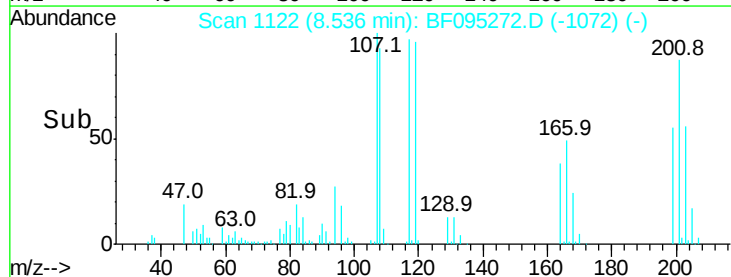
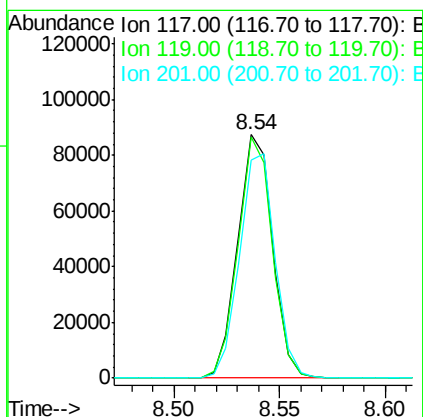
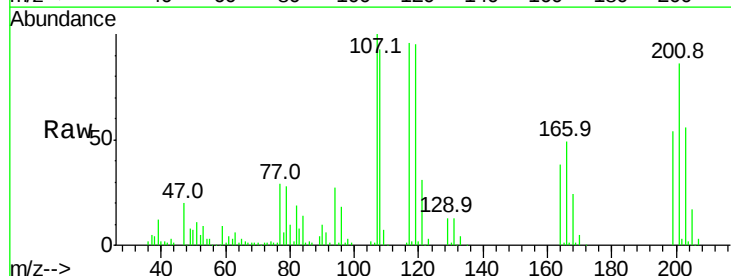
Instrument :  
BNA\_F  
ClientSampleId :

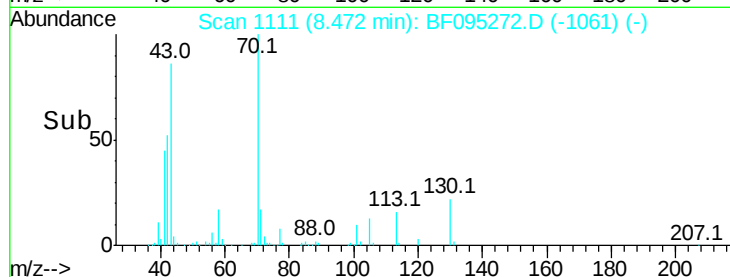
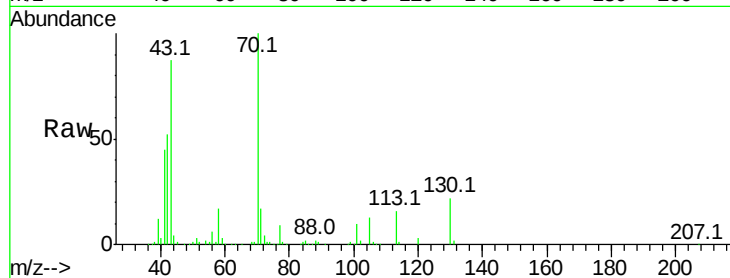
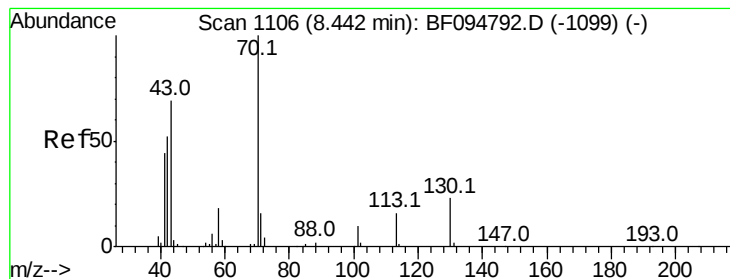
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 231429 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.2 | 93.4  | 140.0  |
| 77       | 55.8  | 35.8  | 53.6#  |
| 79       | 53.5  | 34.8  | 52.2#  |



#18  
Hexachloroethane  
Concen: 46.45 ng  
RT: 8.54 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 100059 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 99.1  | 77.4  | 116.0  |
| 201      | 89.6  | 94.6  | 141.8# |





#19

n-Nitroso-di-n-propylamine

Concen: 52.21 ng

RT: 8.47 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 70 Resp: 205742

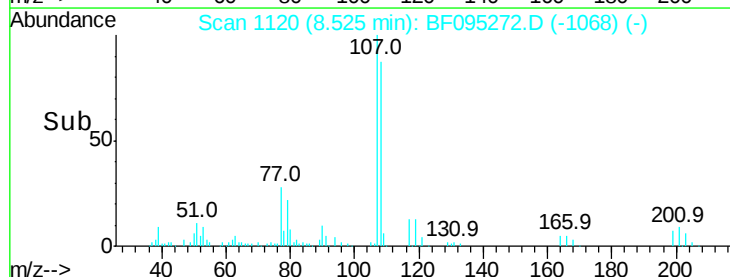
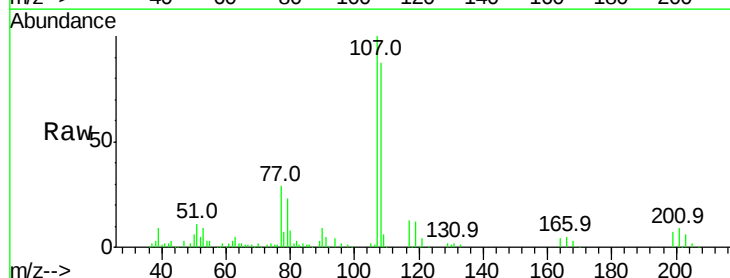
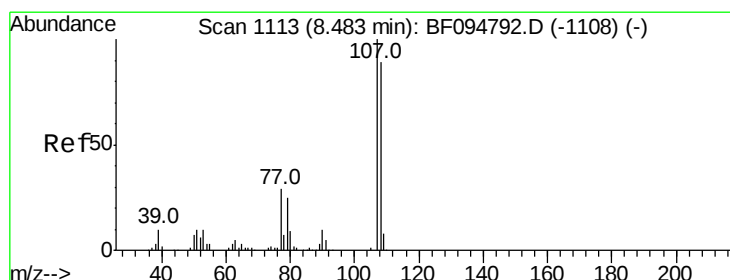
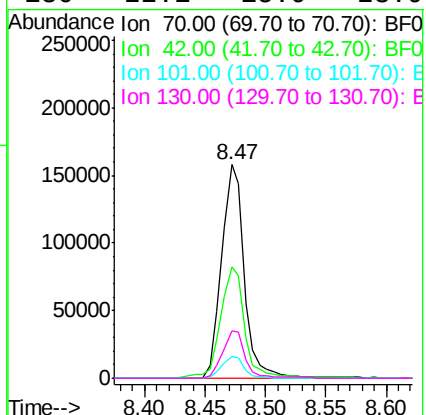
Ion Ratio Lower Upper

70 100

42 52.1 47.2 70.8

101 10.0 7.2 10.8

130 22.1 15.9 23.9



#20

3+4-Methylphenols

Concen: 51.07 ng

RT: 8.52 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Tgt Ion: 107 Resp: 313935

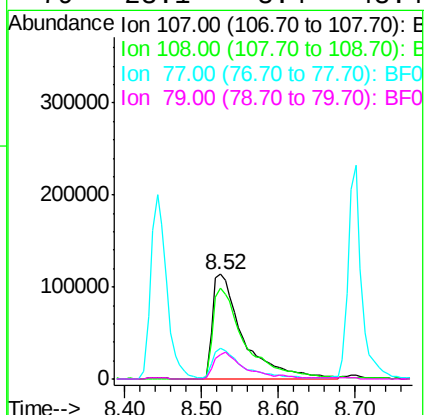
Ion Ratio Lower Upper

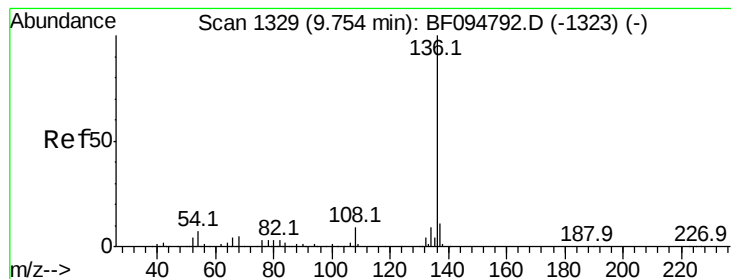
107 100

108 86.8 71.0 111.0

77 28.8 90.5 130.5#

79 23.1 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 363678

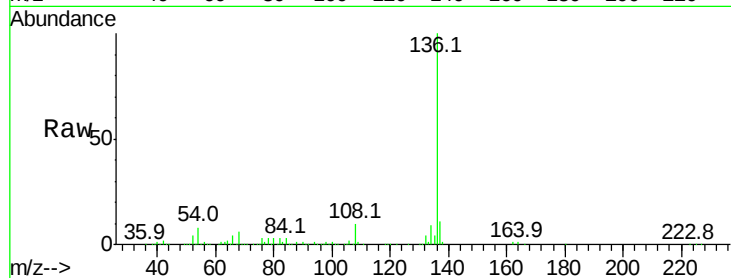
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.5 4.9 7.3#

68 5.7 4.1 6.1

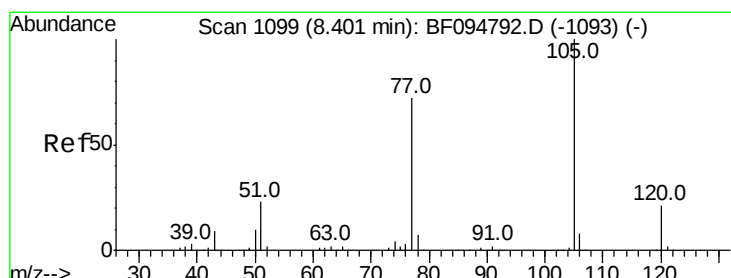
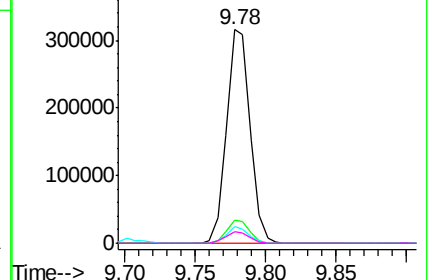
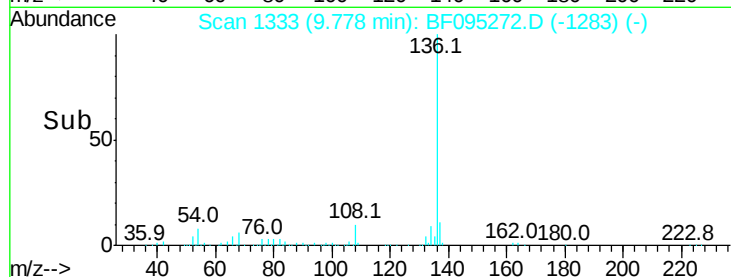


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.55 ng

RT: 8.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Tgt Ion:105 Resp: 406143

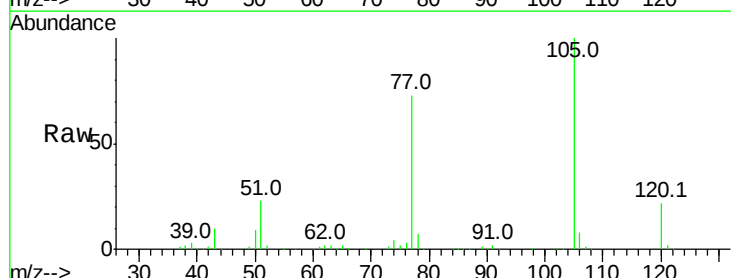
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 23.3 30.7 46.1#

120 22.4 17.4 26.0

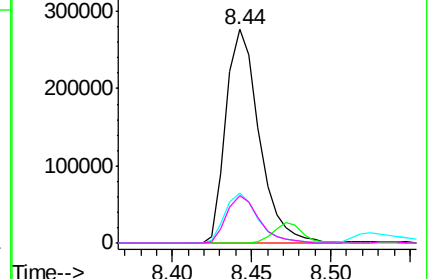
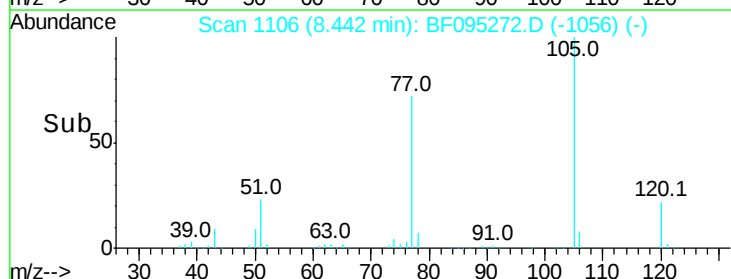


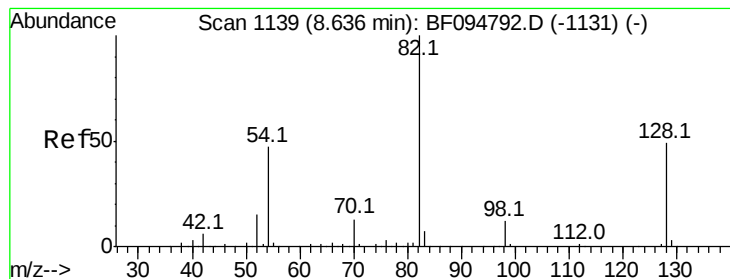
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 95.17 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampled :

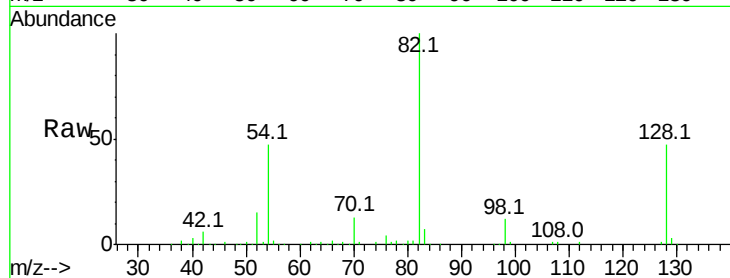
Tot Ion: 82 Resp: 548849

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

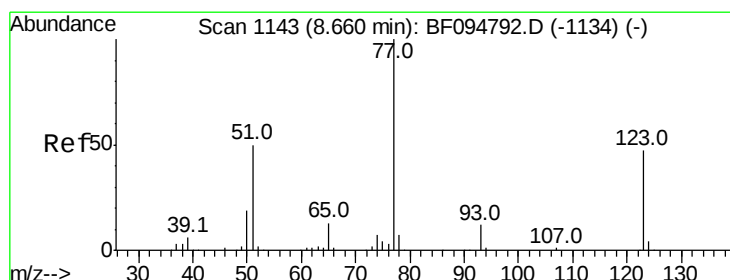
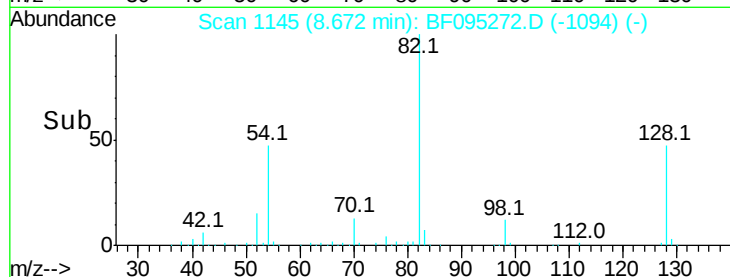
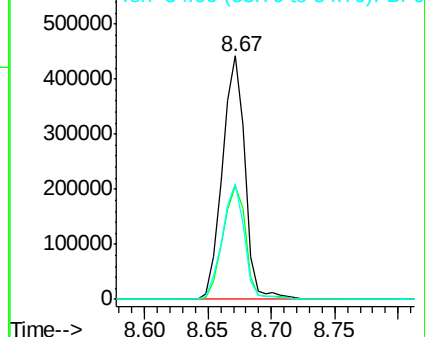
54 47.2 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 46.86 ng

RT: 8.70 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

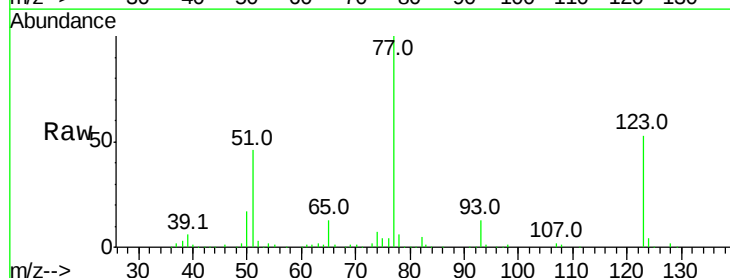
Tgt Ion: 77 Resp: 283297

Ion Ratio Lower Upper

77 100

123 52.7 35.8 53.8

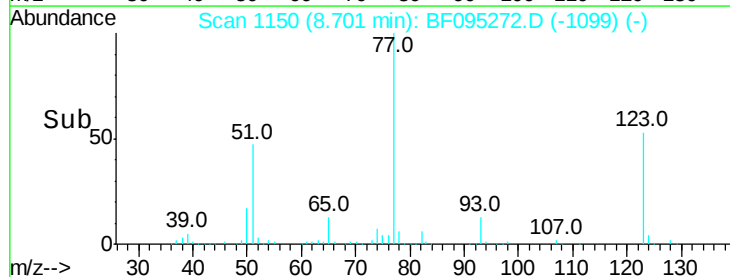
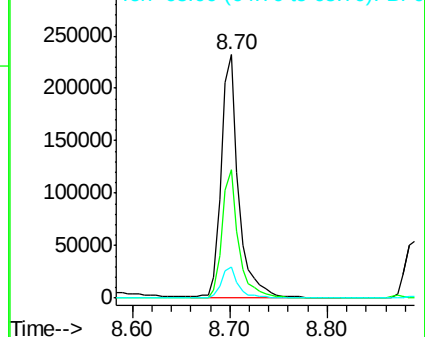
65 12.8 10.6 15.8

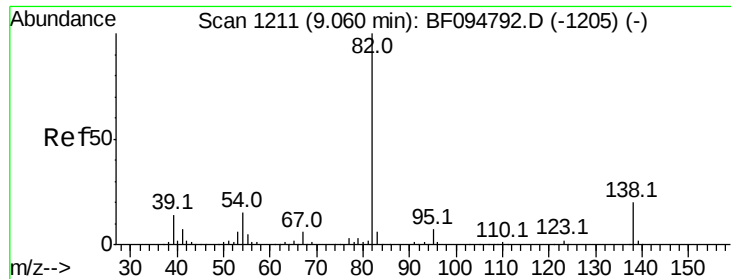


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 51.05 ng

RT: 9.10 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampleId :

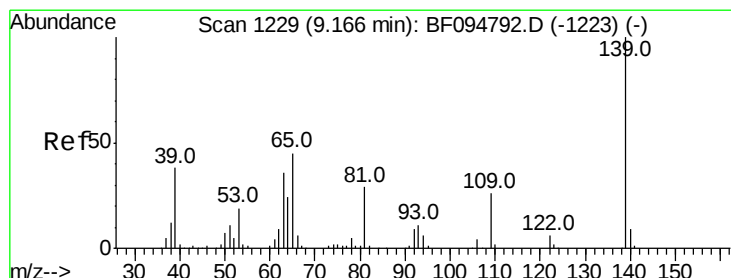
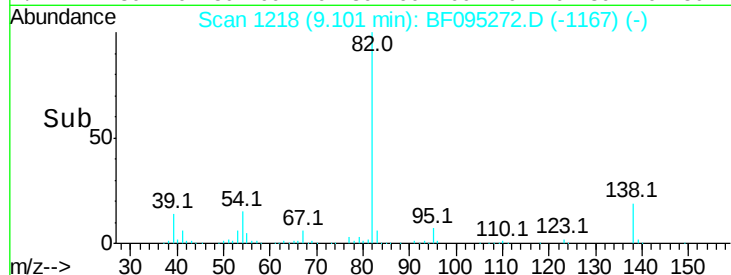
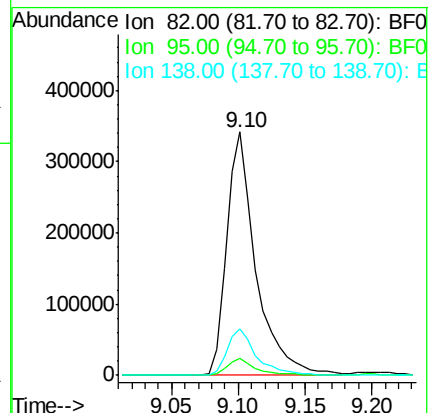
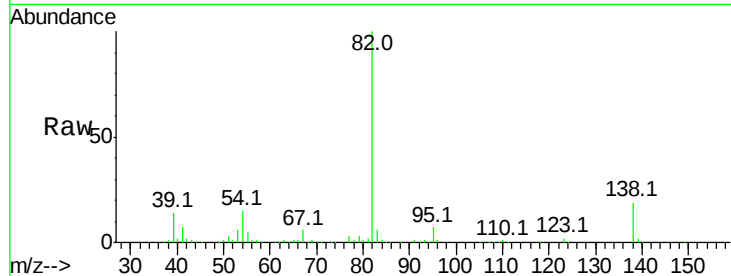
Tot Ion: 82 Resp: 525701

Ion Ratio Lower Upper

82 100

95 7.0 5.3 7.9

138 19.2 13.1 19.7



#26

2-Nitrophenol

Concen: 51.23 ng

RT: 9.21 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

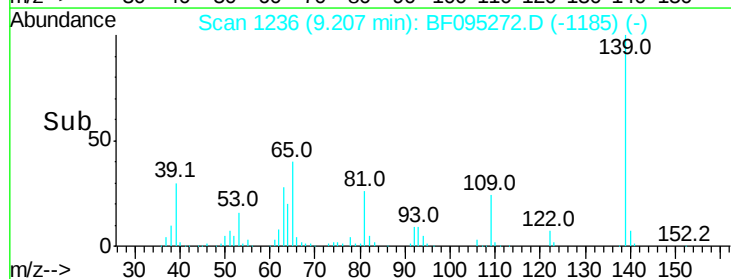
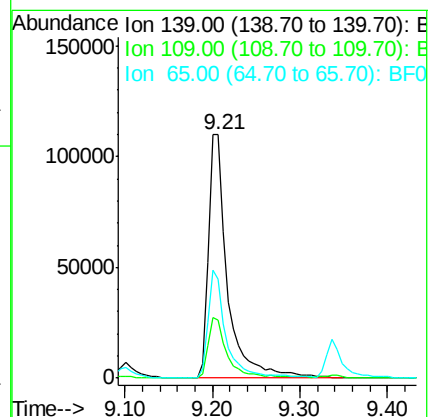
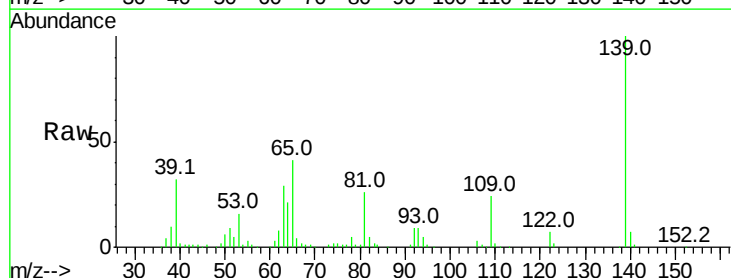
Tgt Ion: 139 Resp: 167101

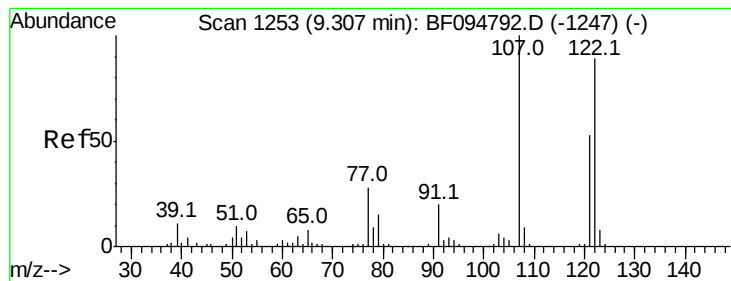
Ion Ratio Lower Upper

139 100

109 23.7 21.0 31.6

65 40.8 33.0 49.6

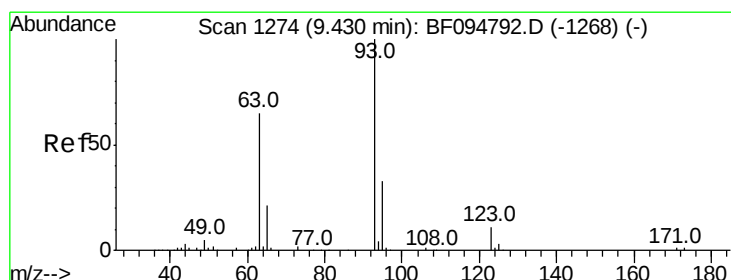
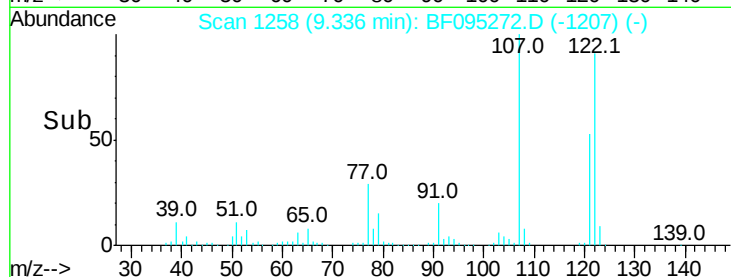
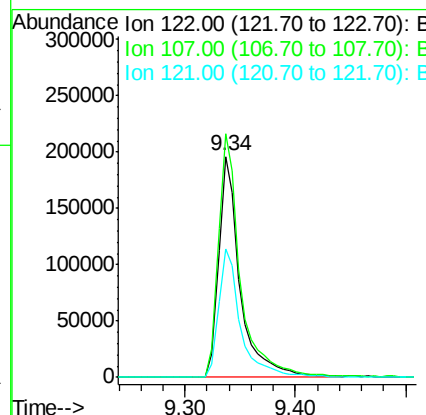
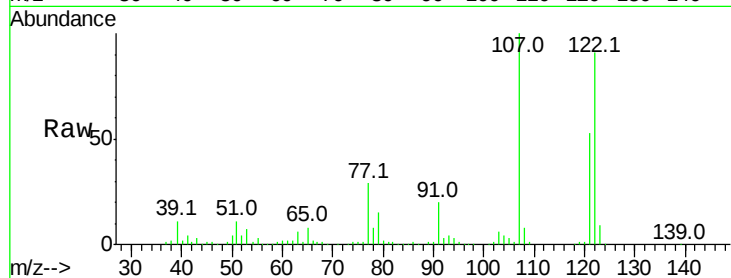




#27  
 2,4-Dimethylphenol  
 Concen: 50.07 ng  
 RT: 9.34 min Scan# 1258  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

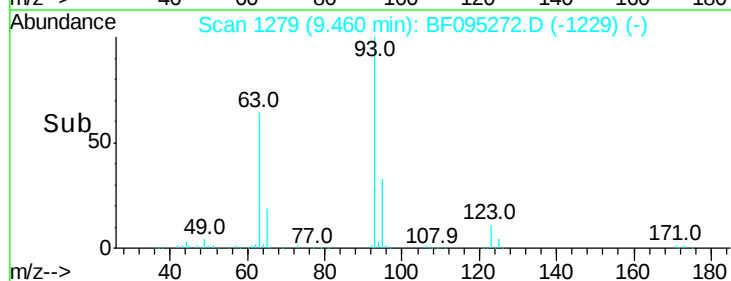
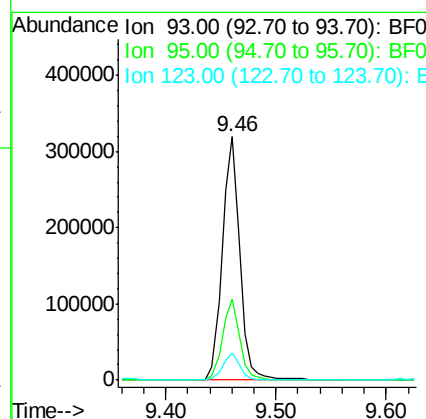
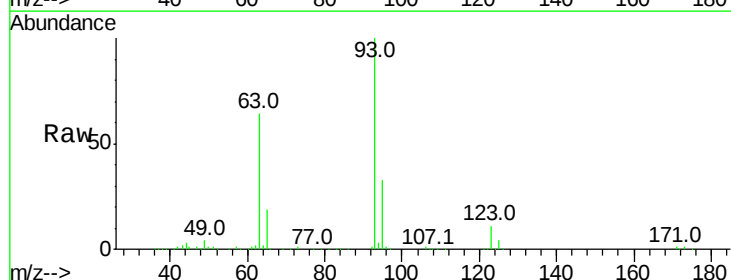
Instrument :  
 BNA\_F  
 ClientSampleId :

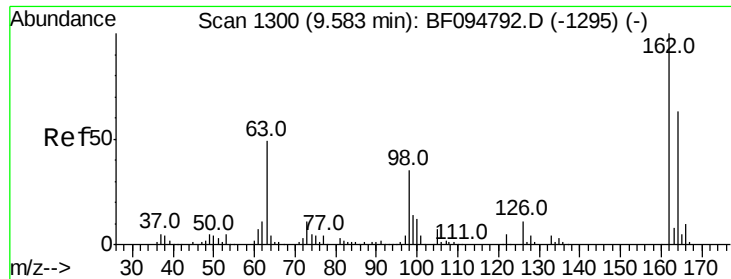
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 122   | Resp: | 264075 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 110.4 | 89.2  | 133.8  |
| 121      | 58.4  | 45.2  | 67.8   |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.40 ng  
 RT: 9.46 min Scan# 1279  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 351940 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 33.2  | 26.5  | 39.7   |
| 123      | 11.1  | 9.0   | 13.4   |

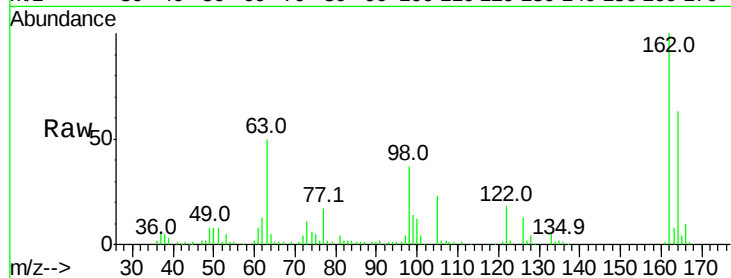




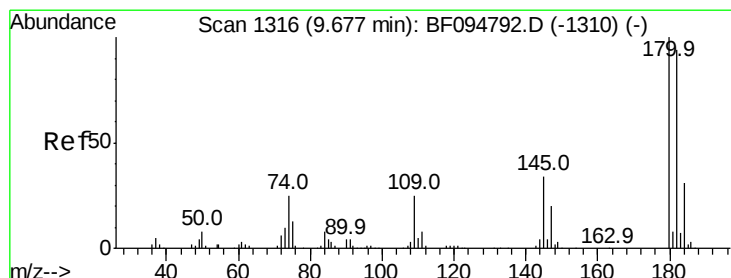
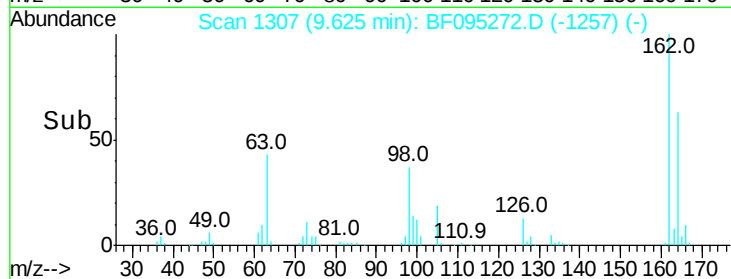
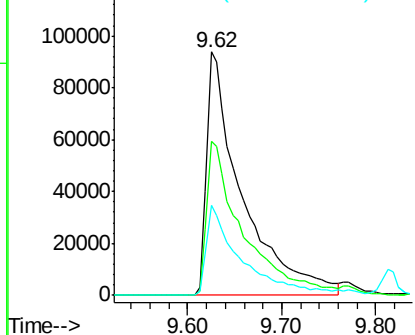
#29  
 2,4-Dichlorophenol  
 Concen: 49.51 ng  
 RT: 9.62 min Scan# 1307  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.1  | 44.6  | 84.6  |
| 98      | 36.8  | 14.8  | 54.8  |

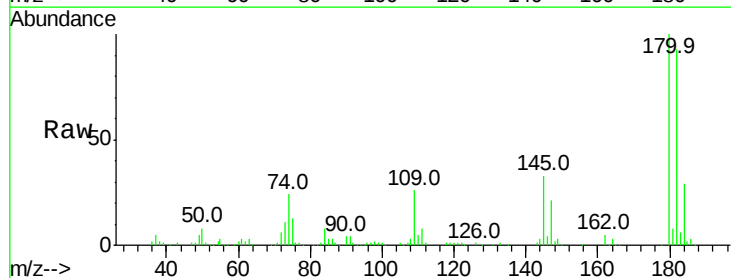


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

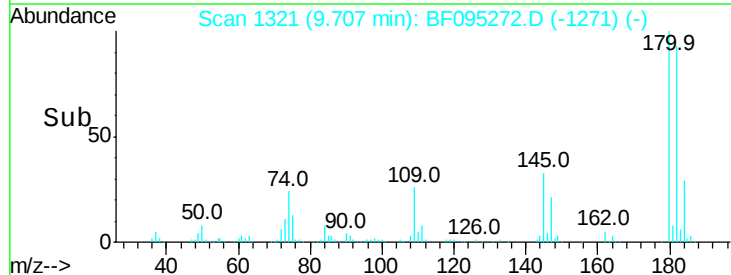
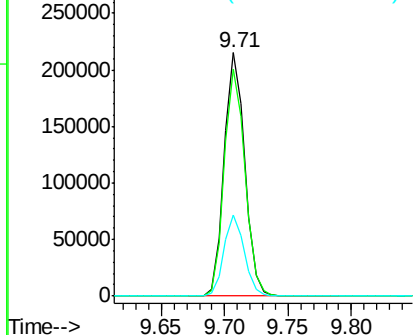


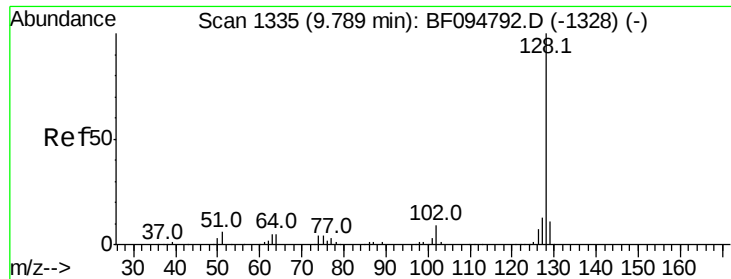
#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.45 ng  
 RT: 9.71 min Scan# 1321  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.1  | 75.8  | 113.6 |
| 145     | 33.1  | 25.3  | 37.9  |



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

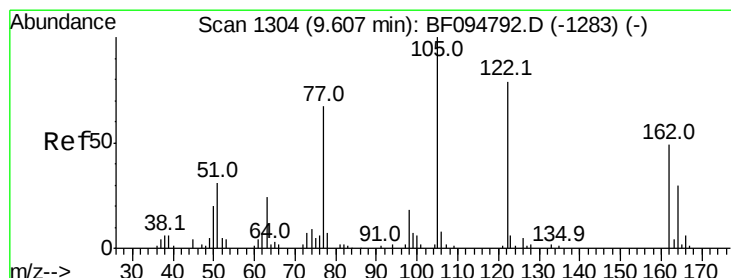
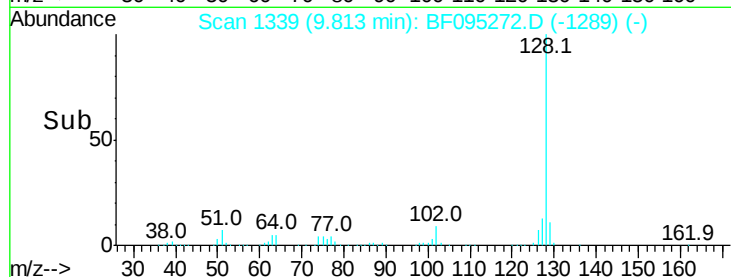
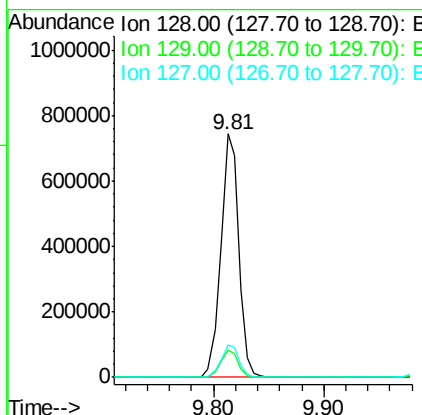
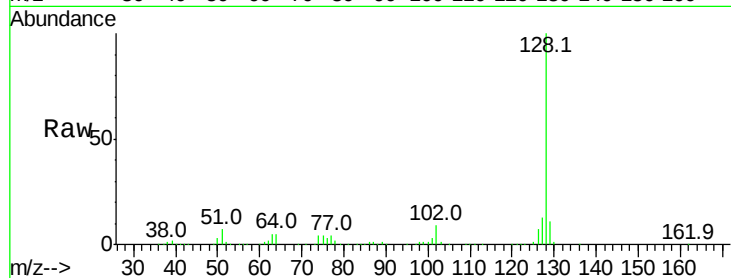




#31  
Naphthalene  
Concen: 45.97 ng  
RT: 9.81 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

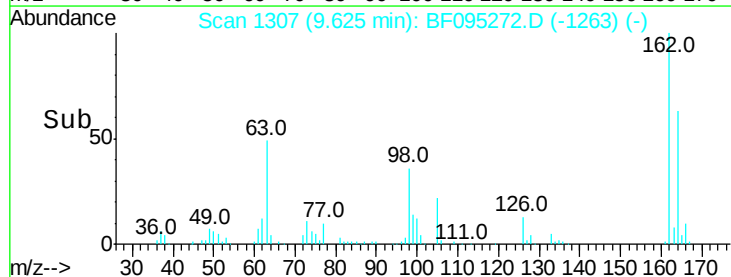
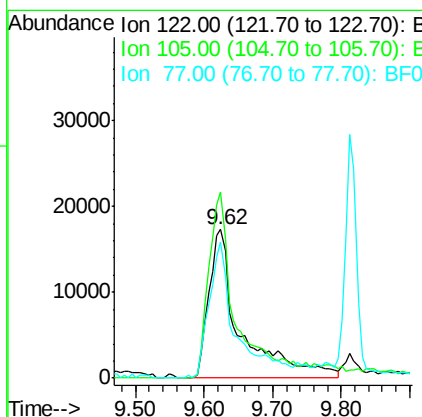
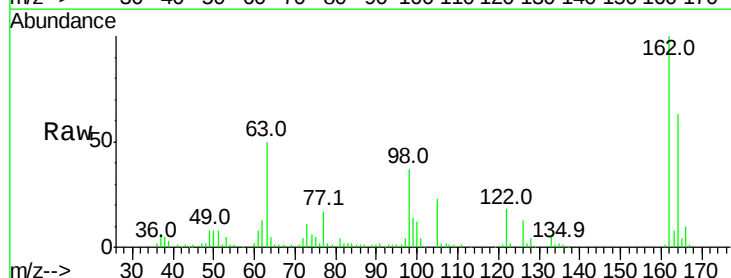
Instrument :  
BNA\_F  
ClientSampled :

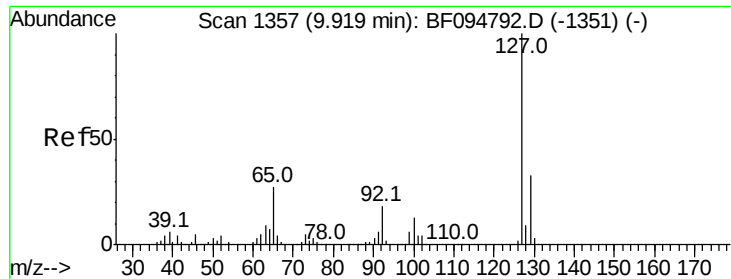
Tot Ion:128 Resp: 840177  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.6  
127 13.3 10.8 16.2



#32  
Benzoic acid  
Concen: 19.38 ng  
RT: 9.62 min Scan# 1307  
Delta R.T. -0.04 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion:122 Resp: 55357  
Ion Ratio Lower Upper  
122 100  
105 125.0 103.3 143.3  
77 91.5 73.7 113.7

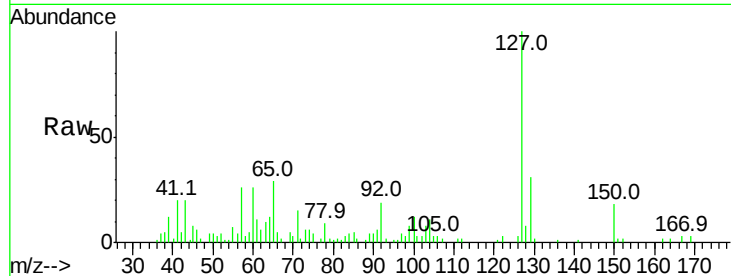




#33  
4-Chloroaniline  
Concen: 11.35 ng  
RT: 9.99 min Scan# 1369  
Delta R.T. 0.03 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 77318 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.0  | 26.2  | 39.2  |
| 65       | 29.1  | 27.8  | 41.8  |
| 92       | 19.1  | 16.8  | 25.2  |



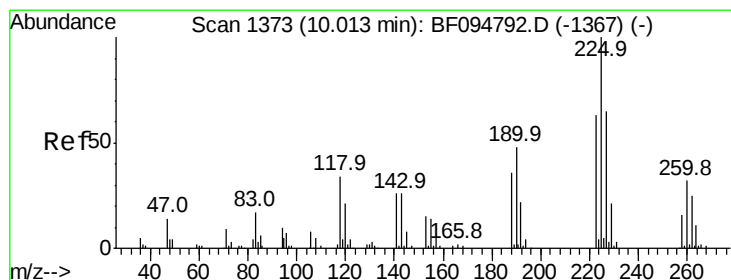
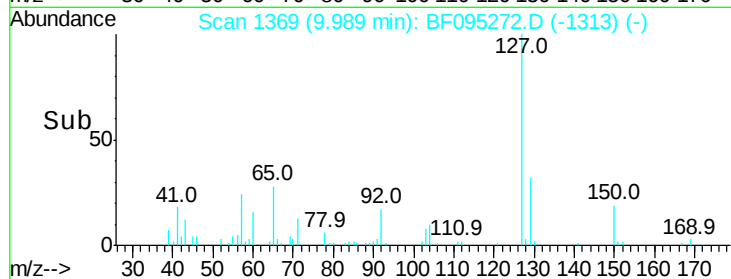
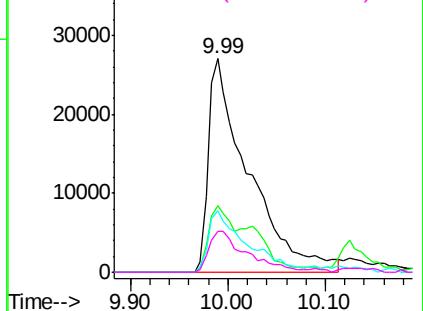
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

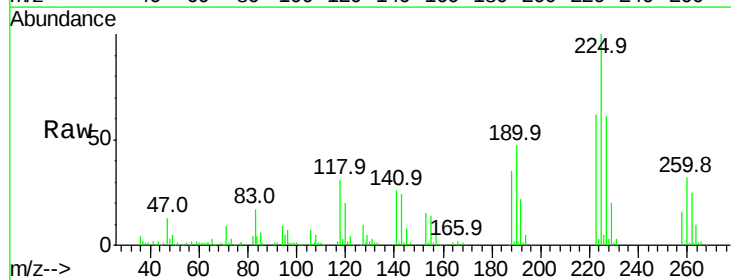
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34  
Hexachlorobutadiene  
Concen: 41.81 ng  
RT: 10.03 min Scan# 1376  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 117691 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.7  | 48.8  | 73.2   |
| 227      | 60.7  | 51.1  | 76.7   |

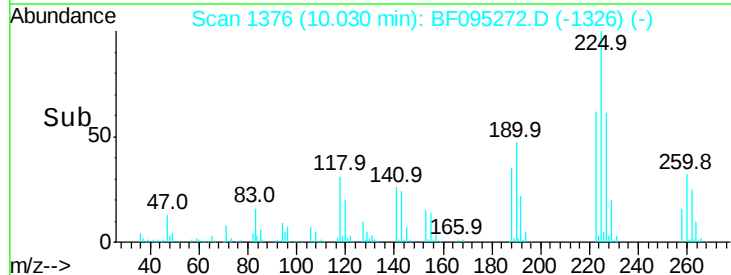
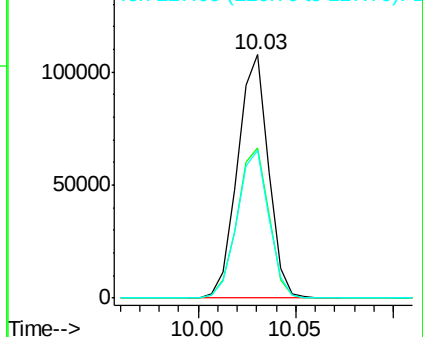


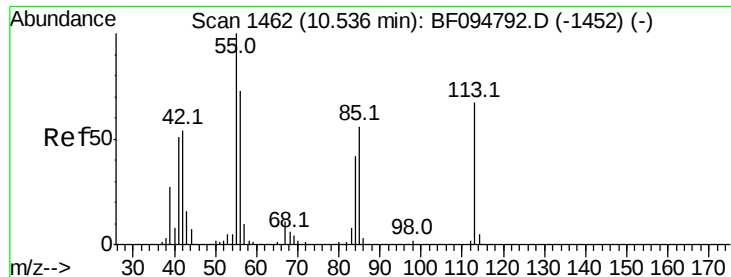
Abundance

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: 25.44 ng

RT: 10.60 min Scan# 1473

Delta R.T. 0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

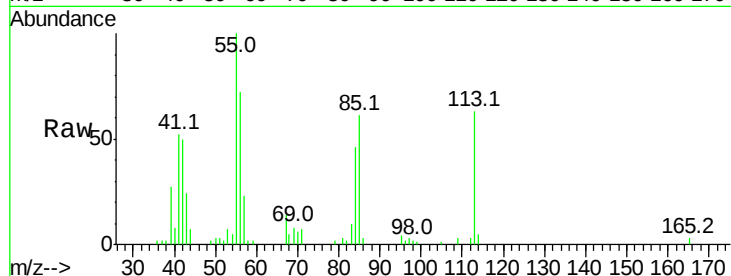
Tot Ion:113 Resp: 38046

Ion Ratio Lower Upper

113 100

55 158.2 150.2 190.2

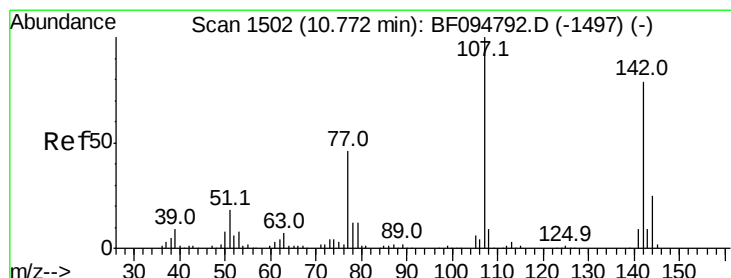
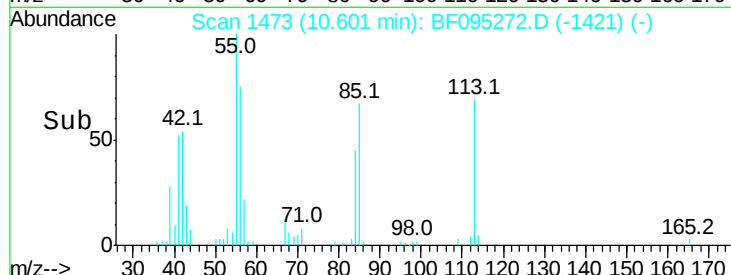
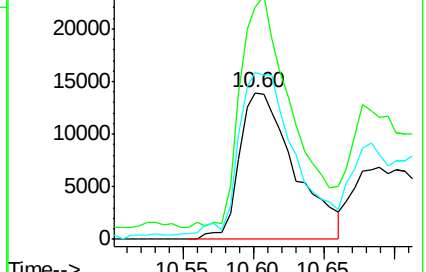
56 113.6 107.8 147.8



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: 53.57 ng

RT: 10.81 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

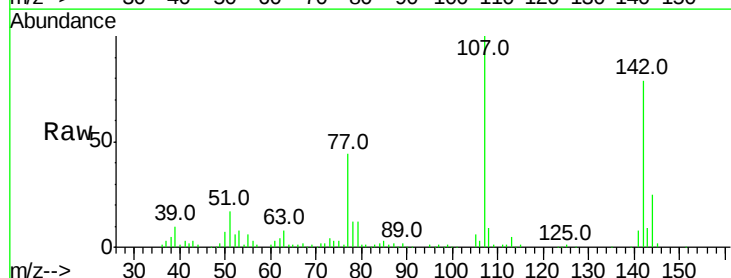
Tgt Ion:107 Resp: 285220

Ion Ratio Lower Upper

107 100

144 24.7 24.2 36.4

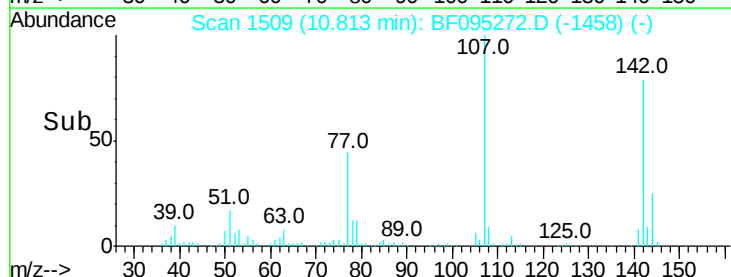
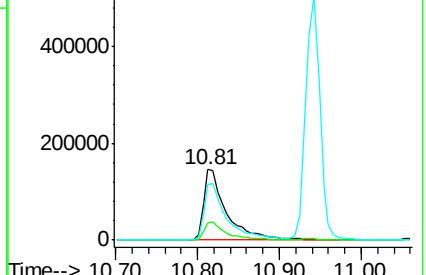
142 79.3 73.4 110.0

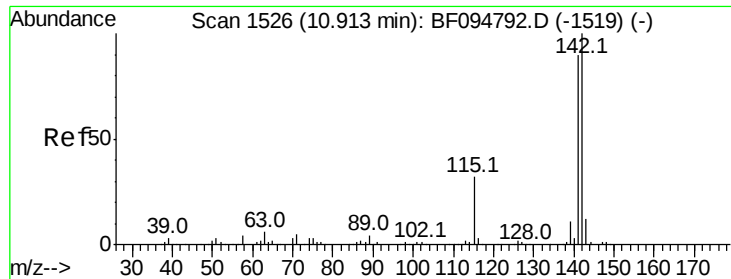


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

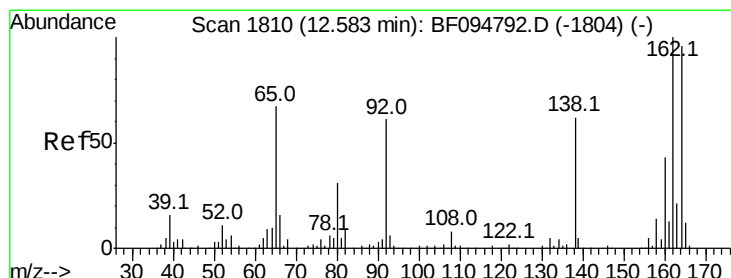
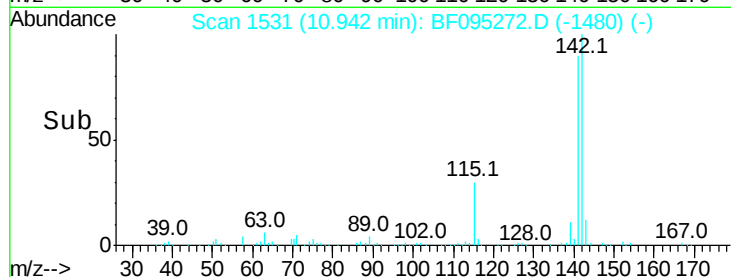
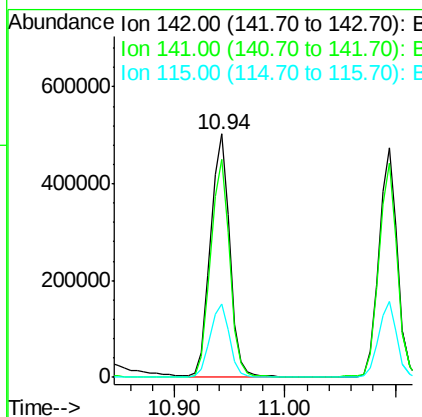
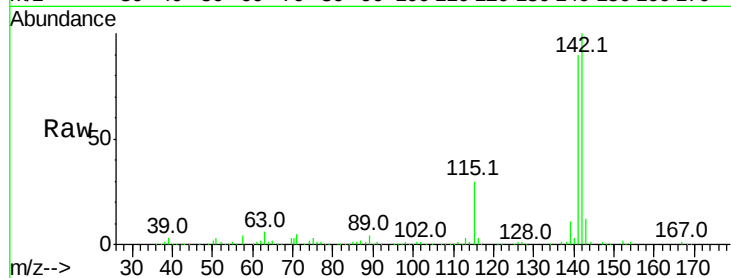




#37  
2-Methylnaphthalene  
Concen: 50.05 ng  
RT: 10.94 min Scan# 1531  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

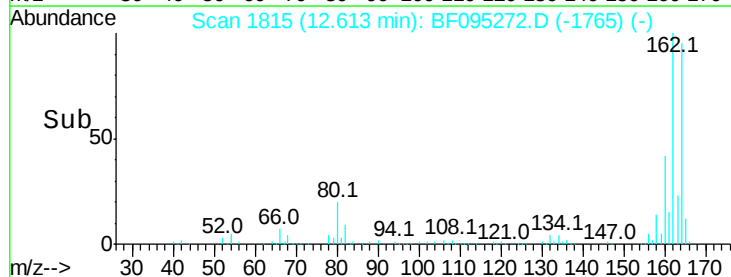
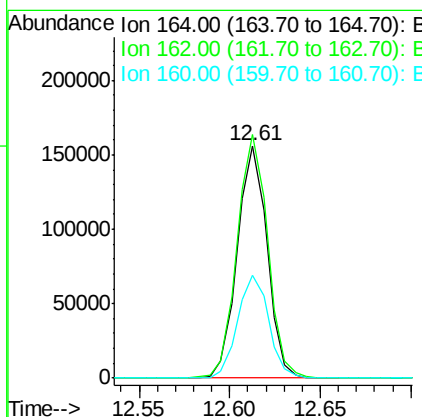
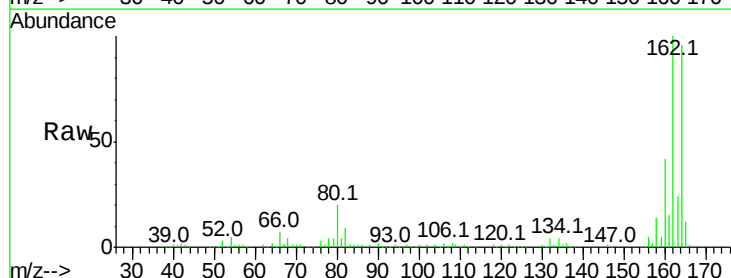
Instrument :  
BNA\_F  
ClientSampleId :

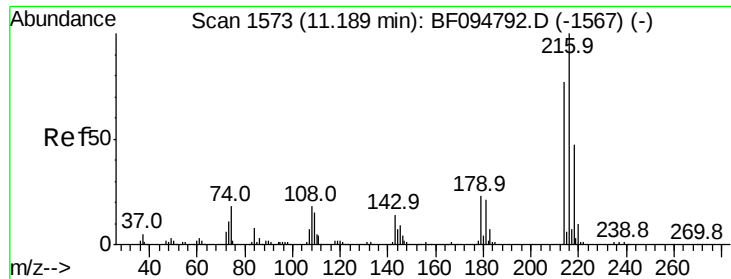
Tot Ion:142 Resp: 600385  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.3 106.9  
115 30.0 27.1 40.7



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.61 min Scan# 1815  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion:164 Resp: 178574  
Ion Ratio Lower Upper  
164 100  
162 104.7 82.6 123.8  
160 44.3 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.94 ng

RT: 11.22 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 235824

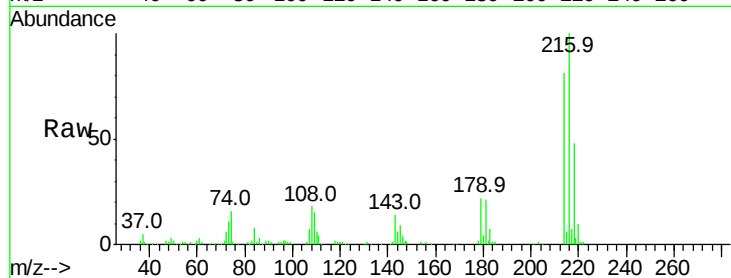
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.2

179 22.1 17.9 26.9

108 19.8 16.5 24.7

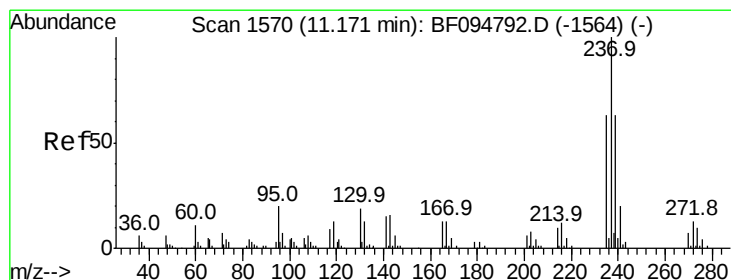
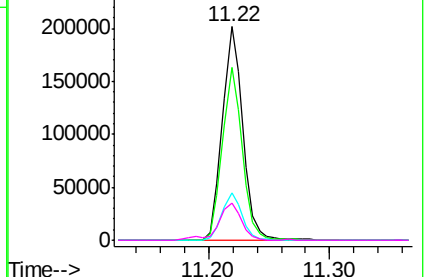
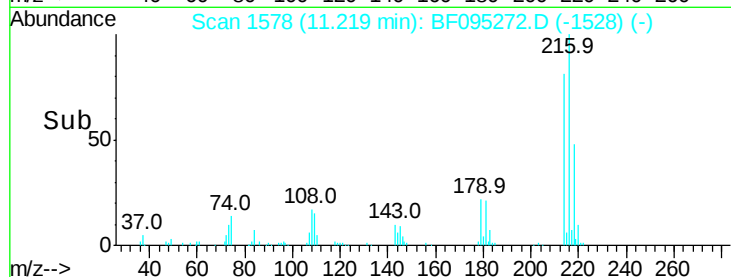


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 52.52 ng

RT: 11.19 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

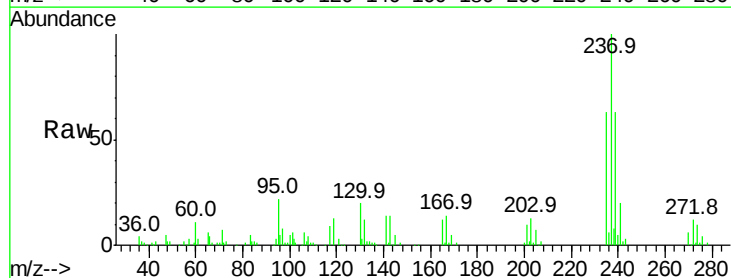
Tgt Ion:237 Resp: 116053

Ion Ratio Lower Upper

237 100

235 63.5 42.6 82.6

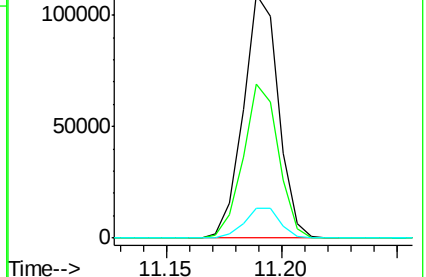
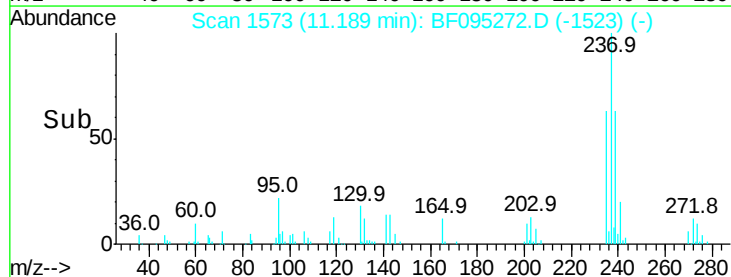
272 12.4 0.0 31.9

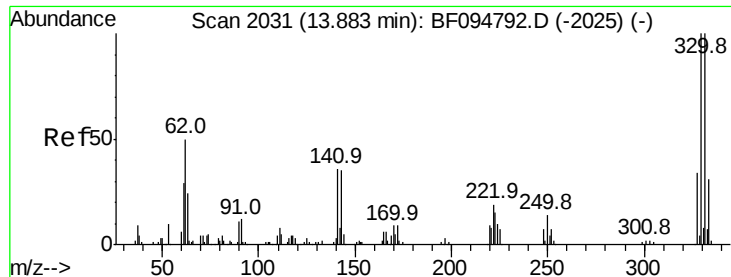


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

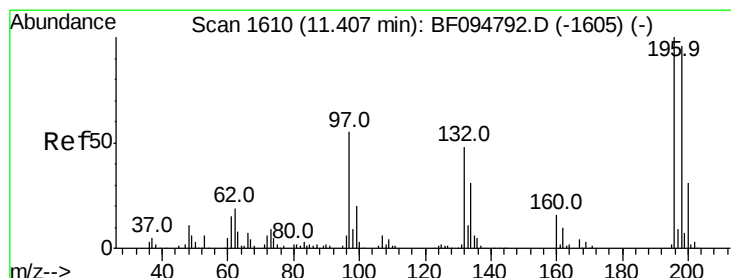
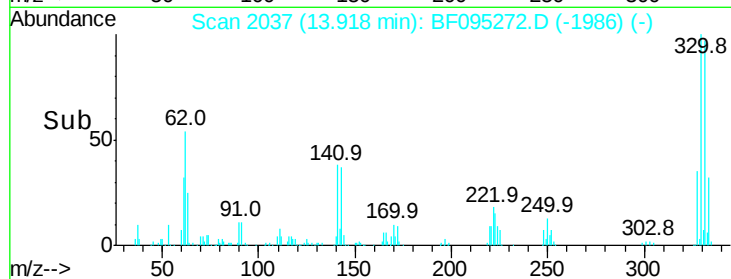
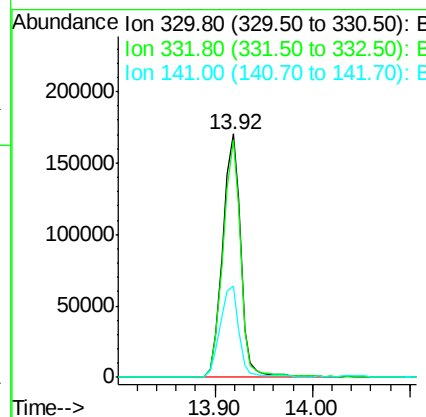
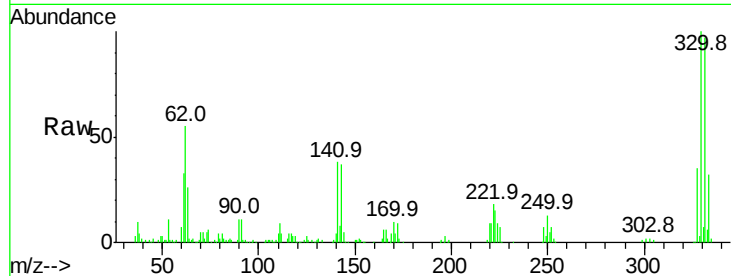




#41  
 2,4,6-Tribromophenol  
 Concen: 150.68 ng  
 RT: 13.92 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

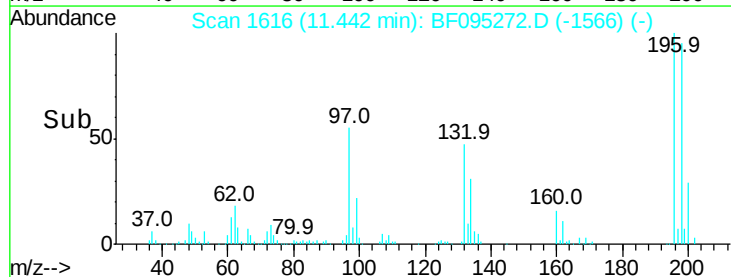
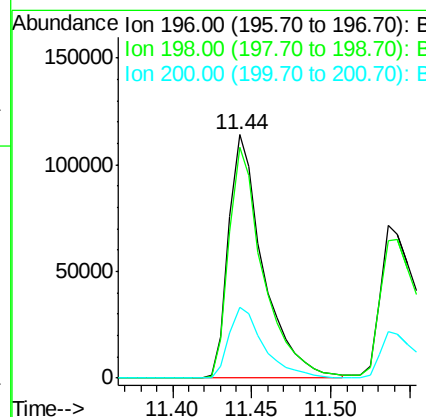
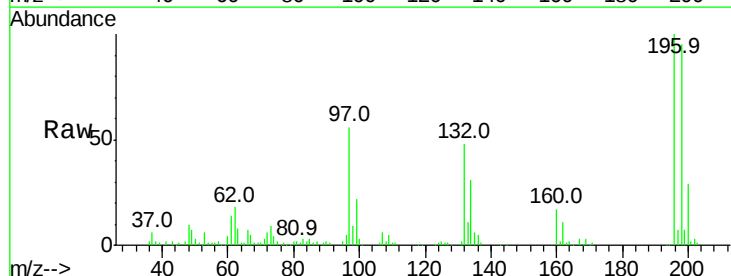
Instrument :  
 BNA\_F  
 ClientSampleId :

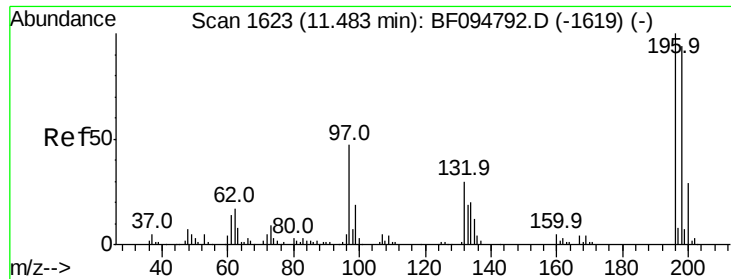
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 76.6  | 115.0 |
| 141     | 39.5  | 31.4  | 47.2  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 47.16 ng  
 RT: 11.44 min Scan# 1616  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.7  | 74.2  | 111.4 |
| 200     | 29.0  | 24.0  | 36.0  |

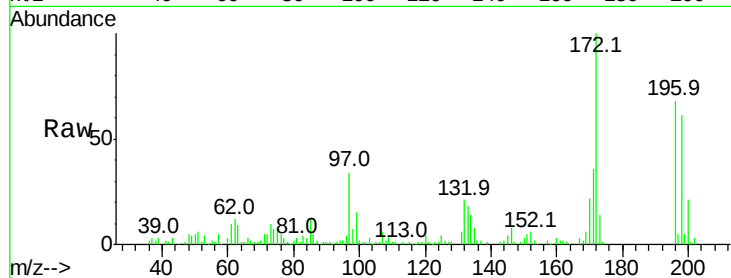




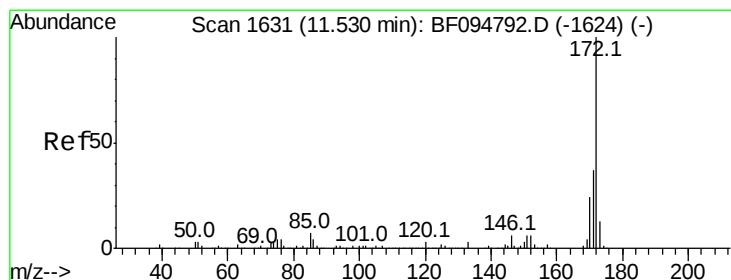
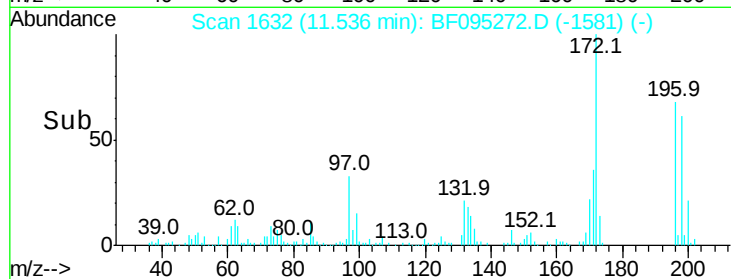
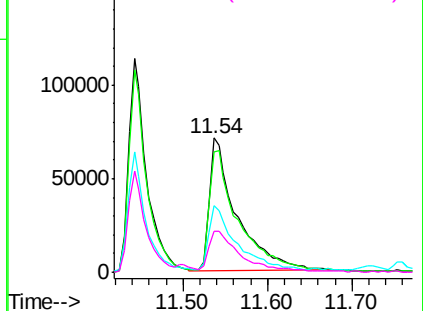
#43  
 2,4,5-Trichlorophenol  
 Concen: 41.21 ng  
 RT: 11.54 min Scan# 1632  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:196 Resp: 162407  
 Ion Ratio Lower Upper  
 196 100  
 198 90.1 75.7 113.5  
 97 49.8 47.7 71.5  
 132 30.7 28.0 42.0

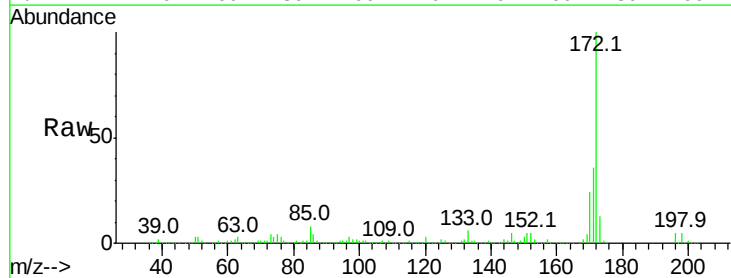


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

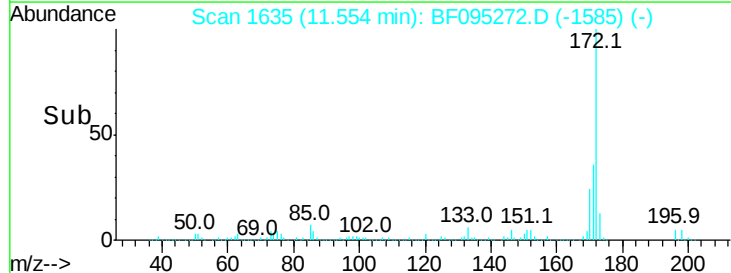
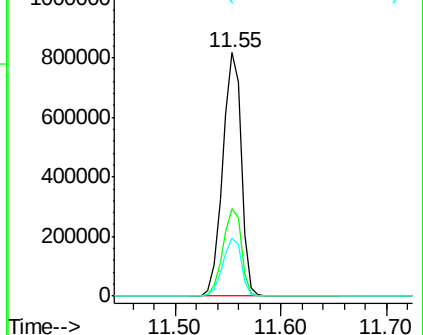


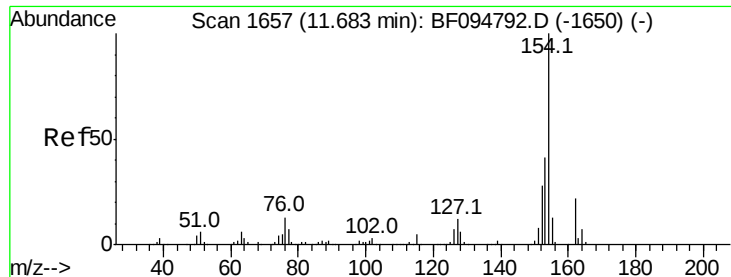
#44  
 2-Fluorobiphenyl  
 Concen: 81.09 ng  
 RT: 11.55 min Scan# 1635  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Tgt Ion:172 Resp: 1006009  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.6 44.4  
 170 23.9 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 44.28 ng

RT: 11.71 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

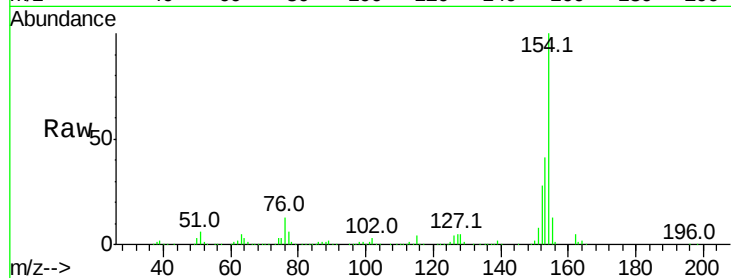
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:154 Resp: 665746

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 40.6  | 21.2  | 61.2  |
| 76  | 12.9  | 0.0   | 29.9  |

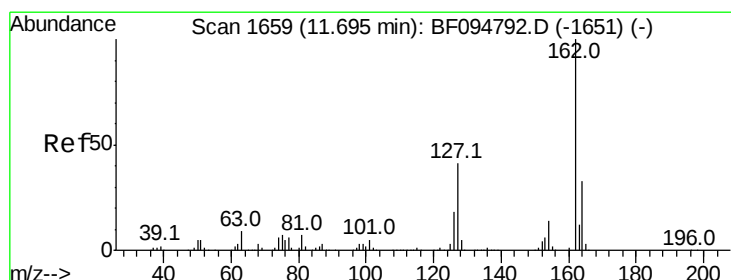
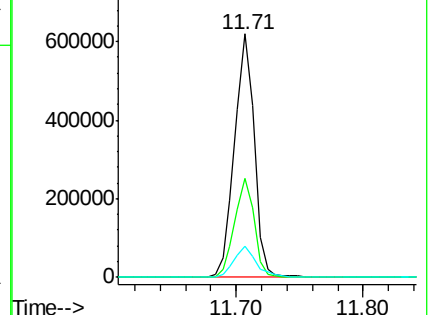
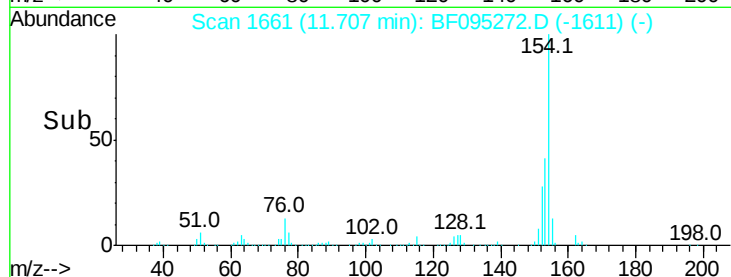


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 43.83 ng

RT: 11.72 min Scan# 1664

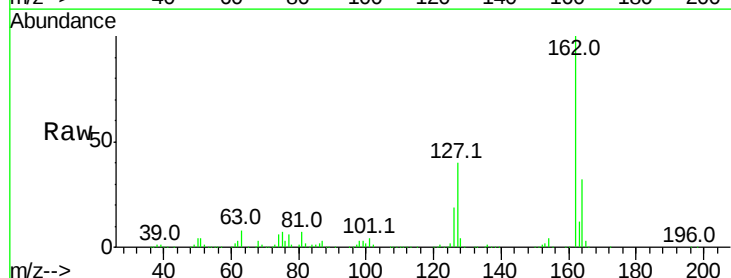
Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Tgt Ion:162 Resp: 532156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 40.3  | 28.3  | 42.5  |
| 164 | 32.4  | 27.0  | 40.4  |

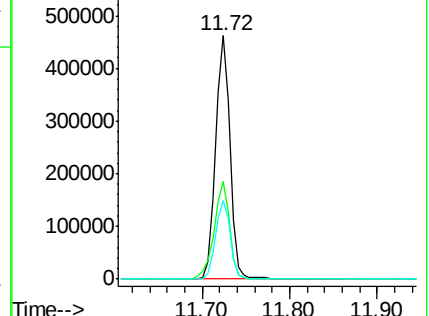
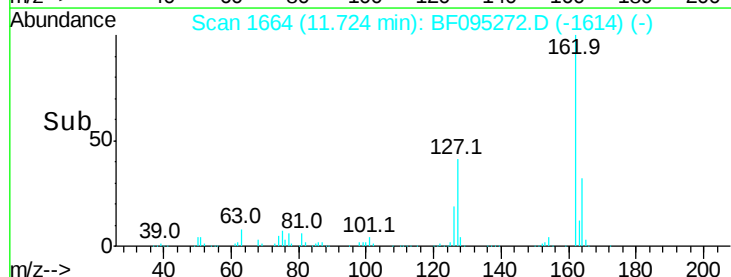


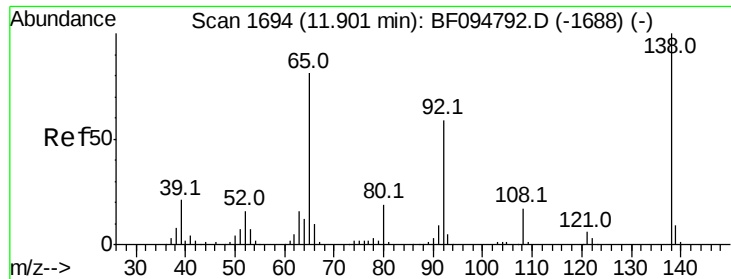
Abundance

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: 46.73 ng

RT: 11.95 min Scan# 1702

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

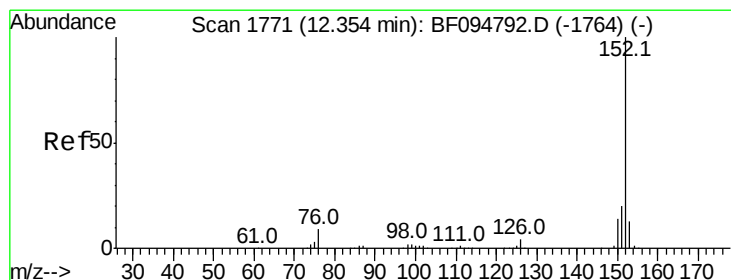
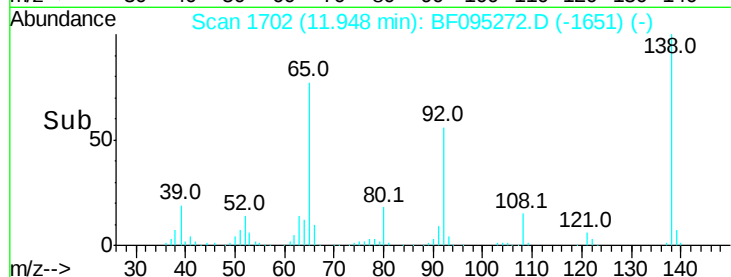
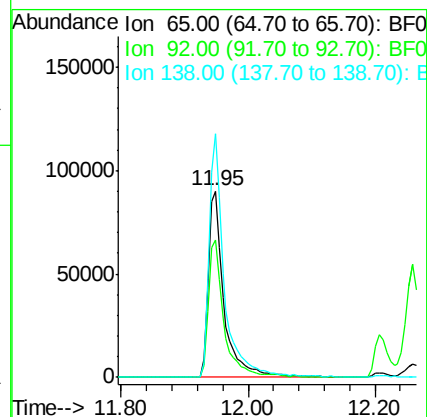
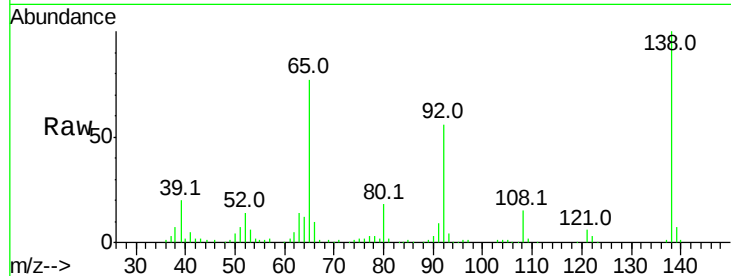
Tot Ion: 65 Resp: 155286

Ion Ratio Lower Upper

65 100

92 73.6 53.9 80.9

138 130.5 78.8 118.2#



#48

Acenaphthylene

Concen: 44.33 ng

RT: 12.38 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

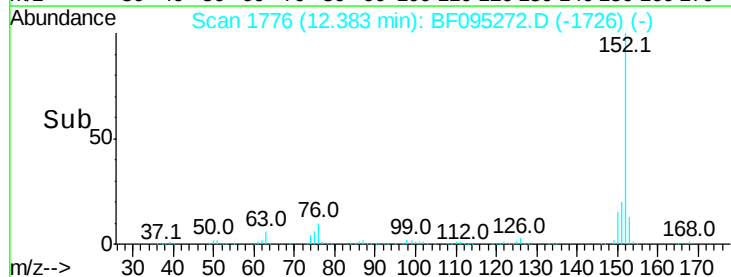
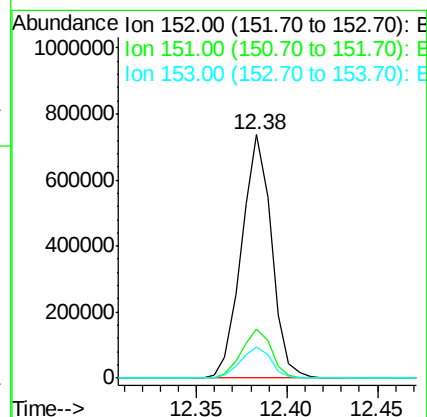
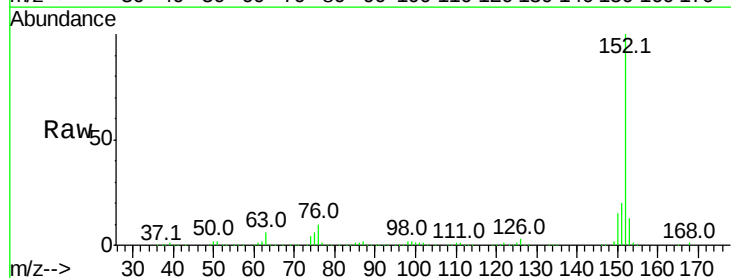
Tgt Ion: 152 Resp: 842934

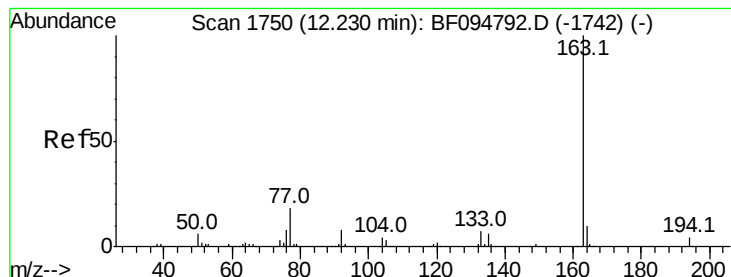
Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

153 13.0 10.8 16.2





#49

Dimethylphthalate

Concen: 58.15 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

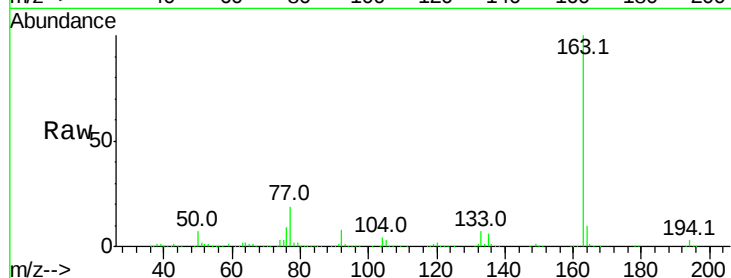
Tot Ion:163 Resp: 852436

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

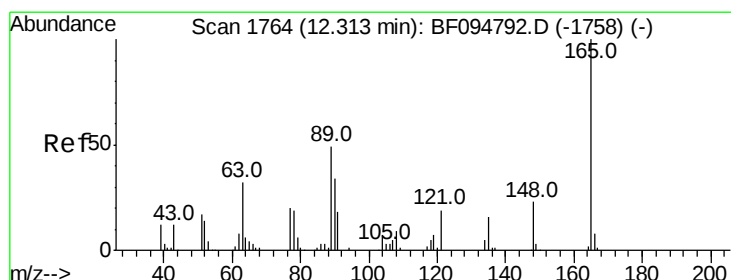
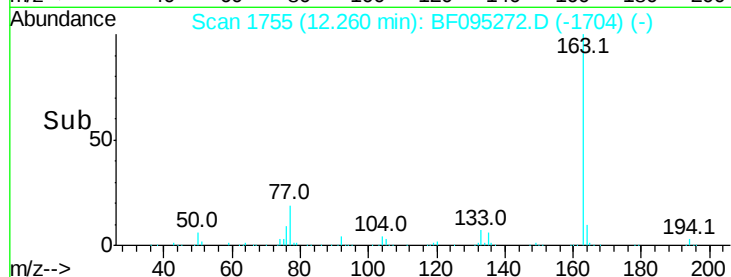
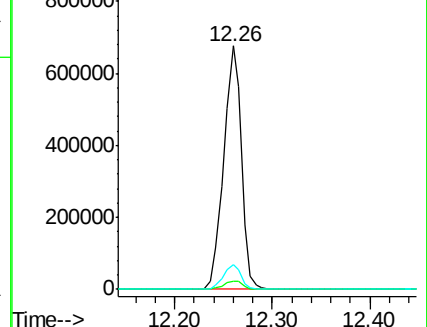
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 47.29 ng

RT: 12.35 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

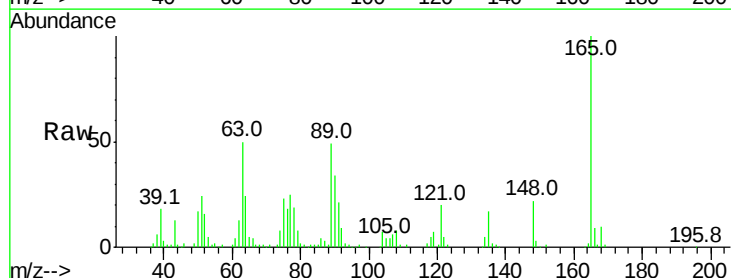
Tgt Ion:165 Resp: 141443

Ion Ratio Lower Upper

165 100

63 49.7 34.3 51.5

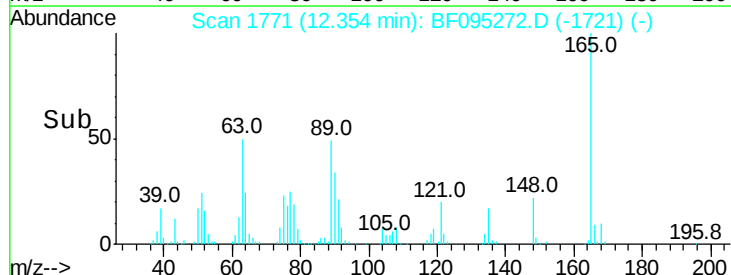
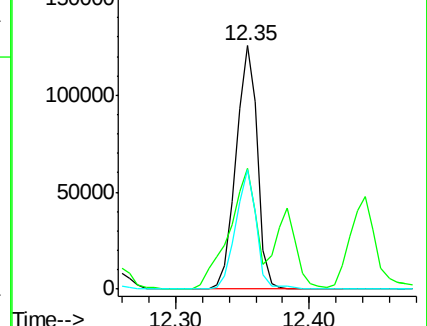
89 49.0 37.1 55.7

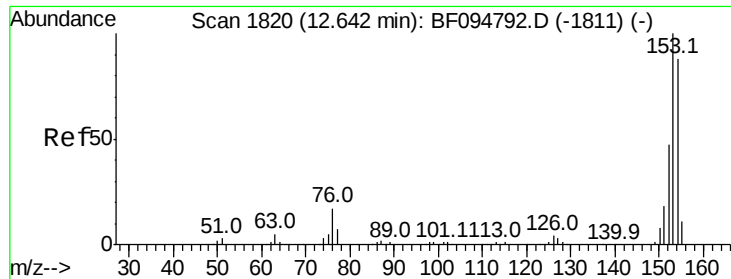


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.37 ng

RT: 12.67 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampled :

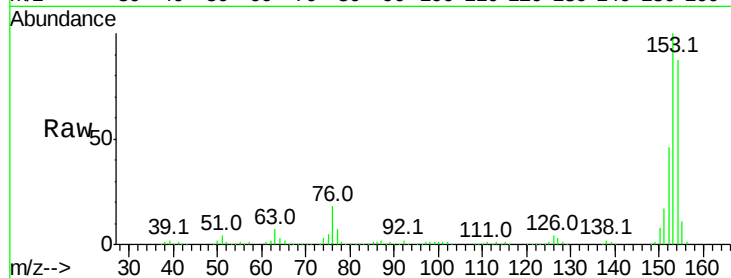
Tot Ion:154 Resp: 458472

Ion Ratio Lower Upper

154 100

153 114.7 90.5 135.7

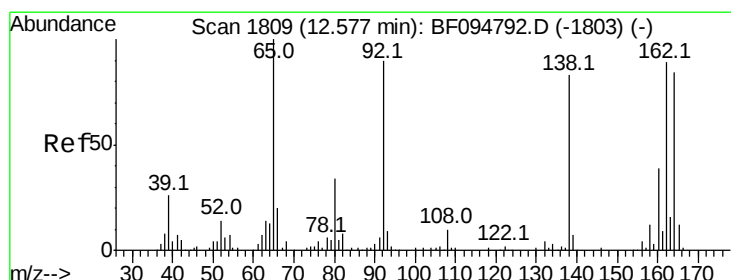
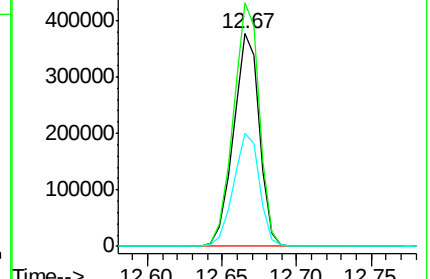
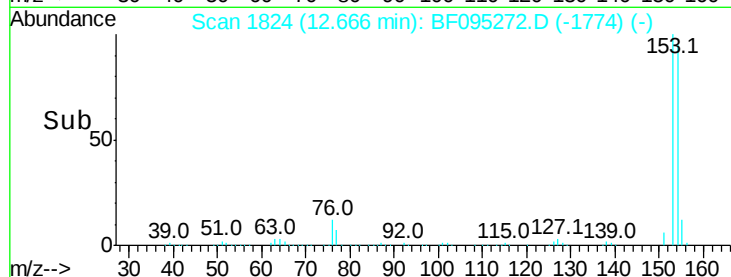
152 53.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 19.12 ng

RT: 12.64 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

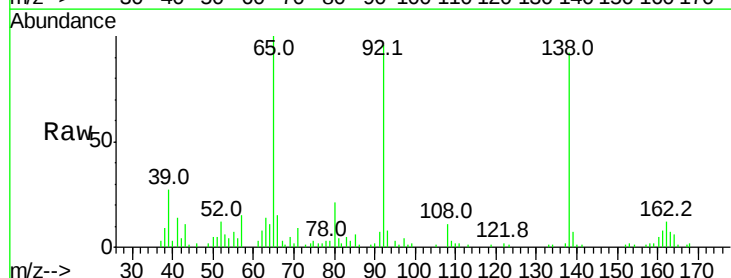
Tgt Ion:138 Resp: 61384

Ion Ratio Lower Upper

138 100

108 12.2 9.1 13.7

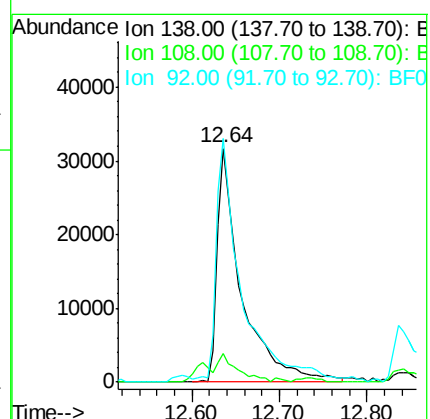
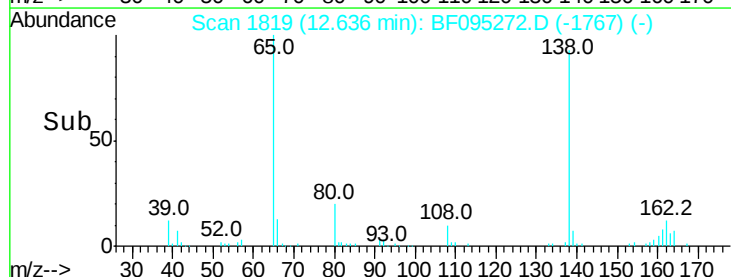
92 104.1 93.8 140.6

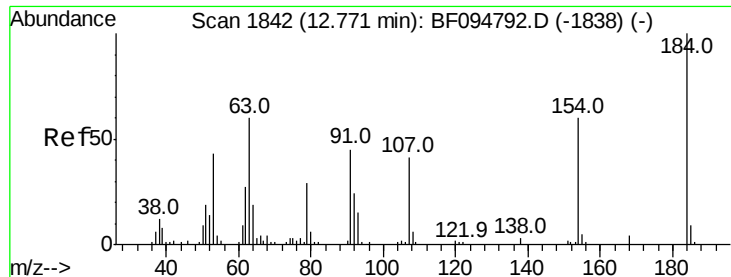


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

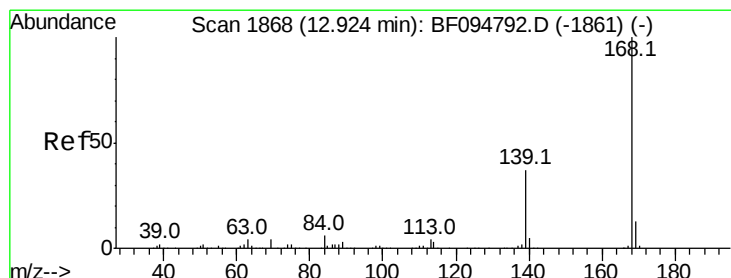
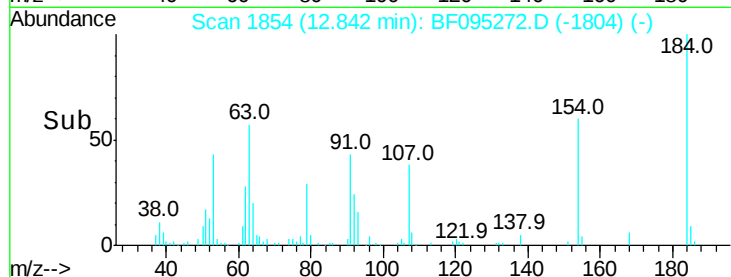
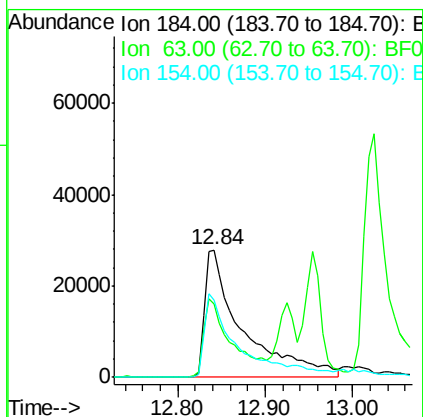
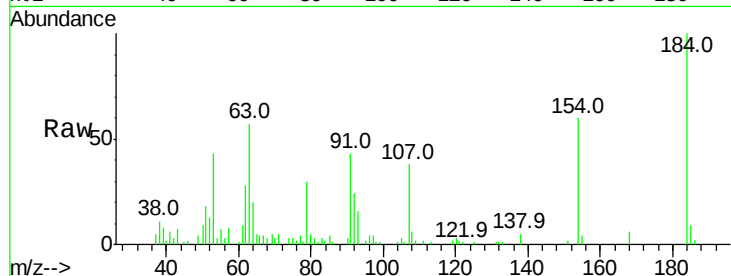




#53  
 2,4-Dinitrophenol  
 Concen: 52.73 ng  
 RT: 12.84 min Scan# 1854  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

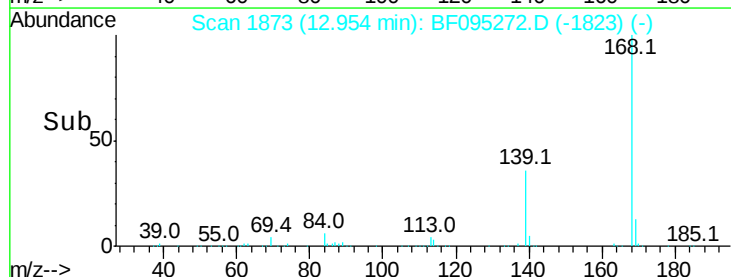
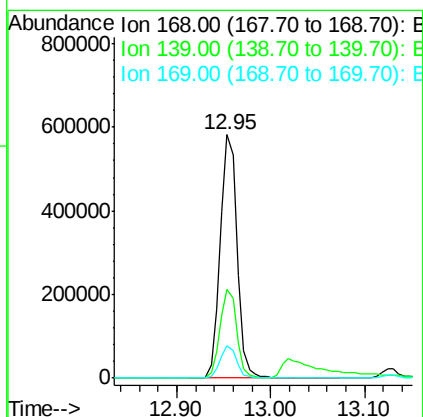
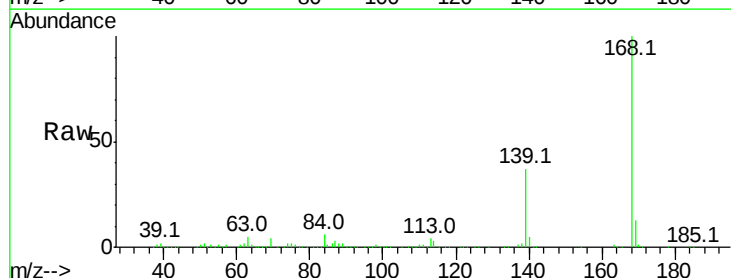
Instrument :  
 BNA\_F  
 ClientSampled :

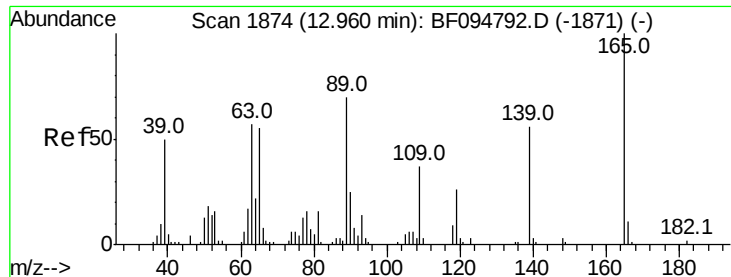
Tot Ion:184 Resp: 83048  
 Ion Ratio Lower Upper  
 184 100  
 63 57.0 62.7 94.1#  
 154 60.3 81.1 121.7#



#54  
 Dibenzofuran  
 Concen: 46.53 ng  
 RT: 12.95 min Scan# 1873  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Tgt Ion:168 Resp: 731249  
 Ion Ratio Lower Upper  
 168 100  
 139 36.6 30.6 45.8  
 169 13.5 10.8 16.2

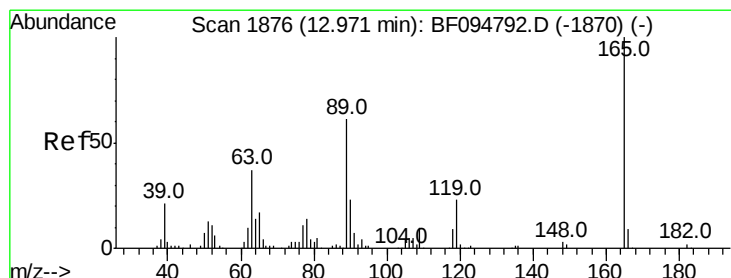
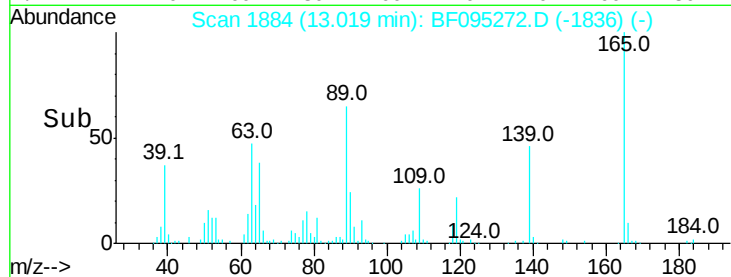
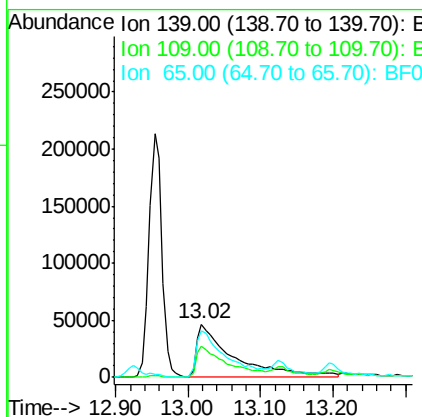
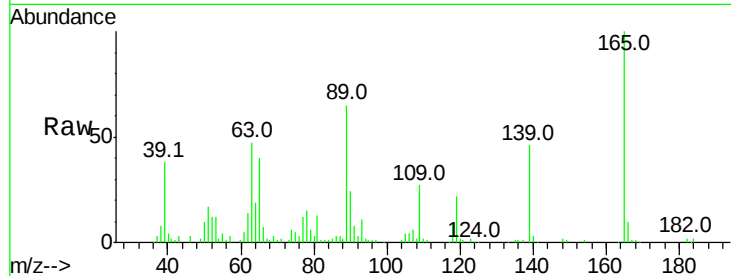




#55  
4-Nitrophenol  
Concen: 81.43 ng  
RT: 13.02 min Scan# 1884  
Delta R.T. -0.02 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

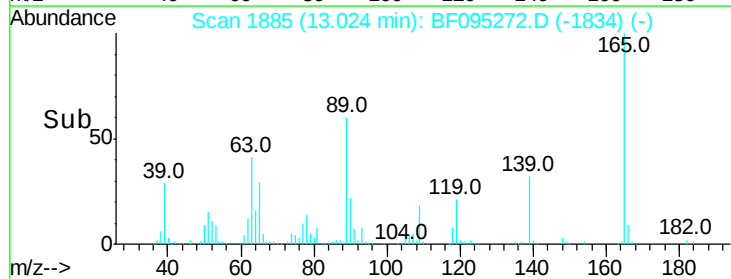
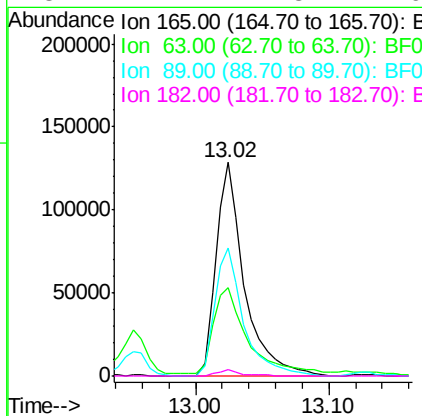
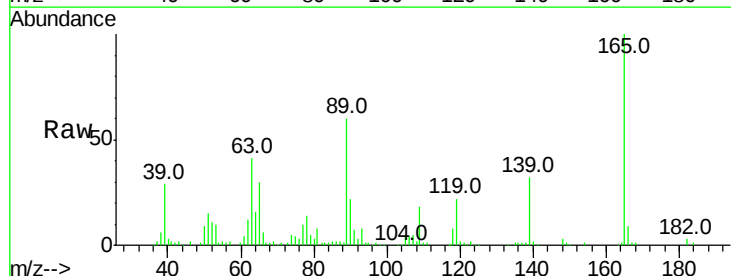
Instrument :  
BNA\_F  
ClientSampled :

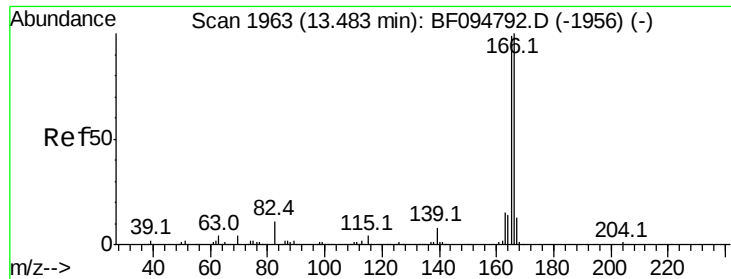
Tot Ion:139 Resp: 156989  
Ion Ratio Lower Upper  
139 100  
109 58.4 34.1 74.1  
65 86.8 31.4 71.4#



#56  
2,4-Dinitrotoluene  
Concen: 49.81 ng  
RT: 13.02 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion:165 Resp: 191439  
Ion Ratio Lower Upper  
165 100  
63 41.4 25.4 38.0#  
89 59.8 46.4 69.6  
182 2.7 1.8 2.6#

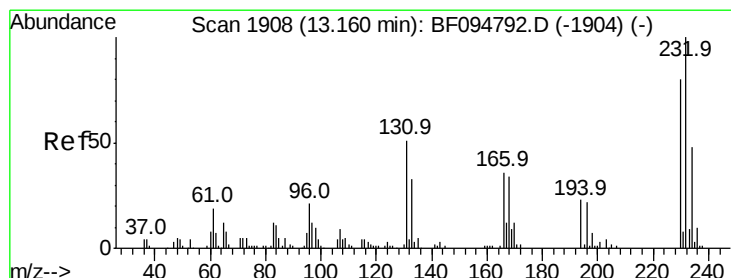
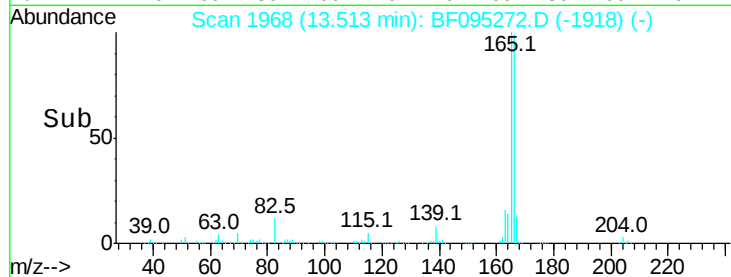
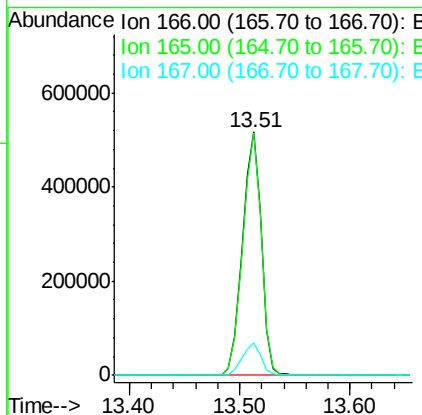
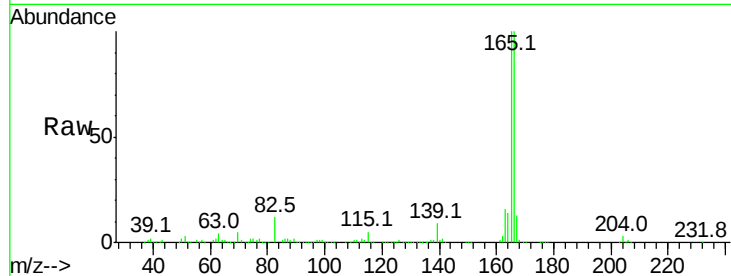




#57  
 Fluorene  
 Concen: 45.46 ng  
 RT: 13.51 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

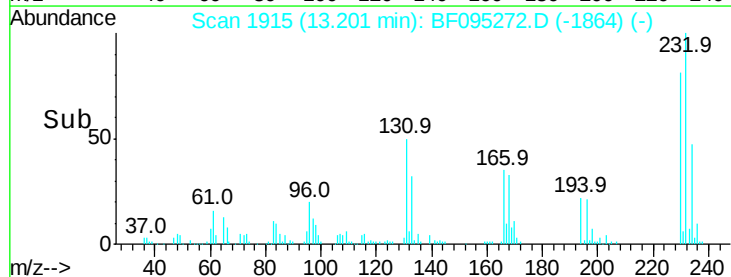
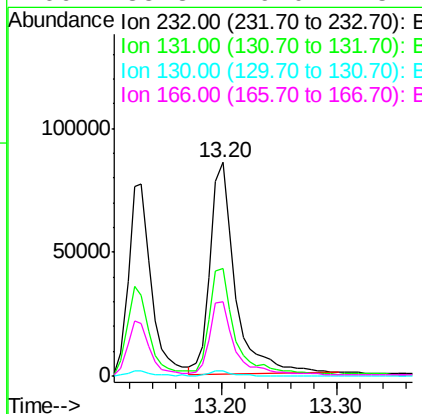
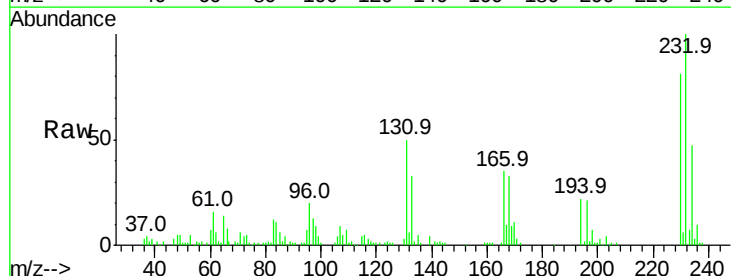
Instrument :  
 BNA\_F  
 ClientSampleId :

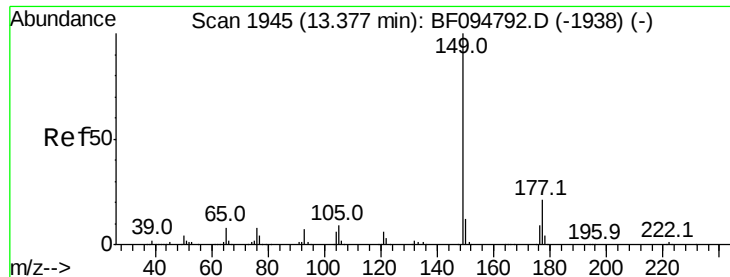
Tot Ion:166 Resp: 621259  
 Ion Ratio Lower Upper  
 166 100  
 165 99.7 78.8 118.2  
 167 13.2 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 52.19 ng  
 RT: 13.20 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Tgt Ion:232 Resp: 129452  
 Ion Ratio Lower Upper  
 232 100  
 131 52.3 44.8 67.2  
 130 2.5 2.3 3.5  
 166 35.3 29.0 43.4

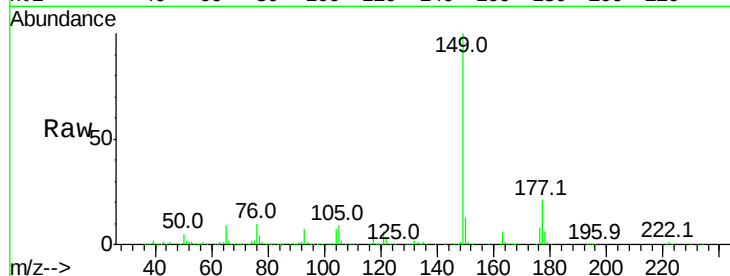




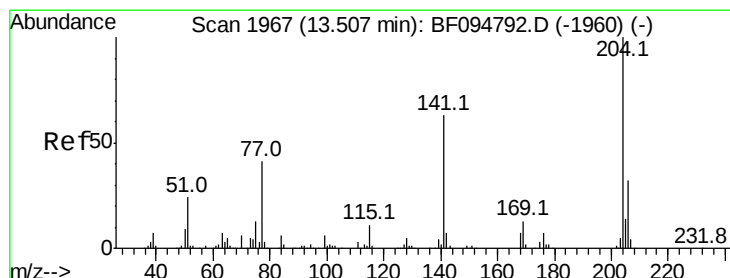
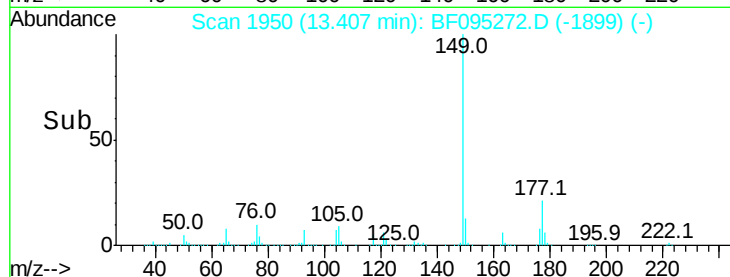
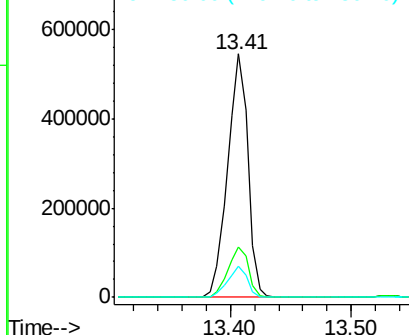
#59  
Diethylphthalate  
Concen: 45.47 ng  
RT: 13.41 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 638937  
Ion Ratio Lower Upper  
149 100  
177 20.8 16.7 25.1  
150 12.6 10.2 15.2

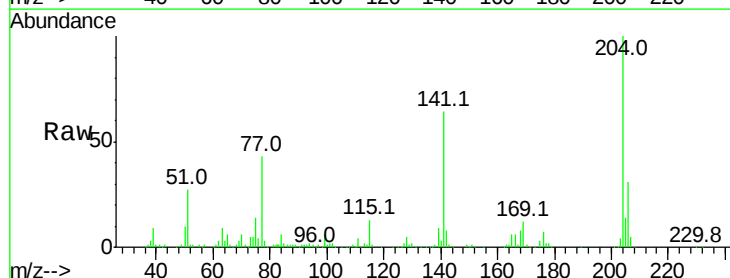


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

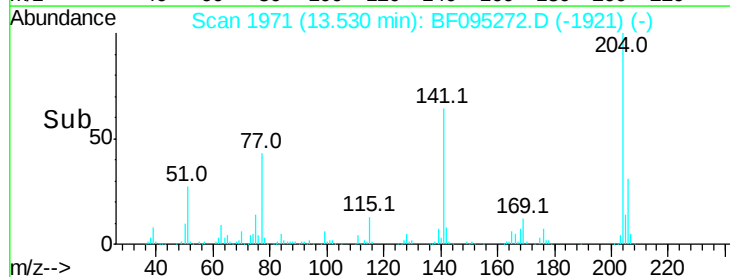
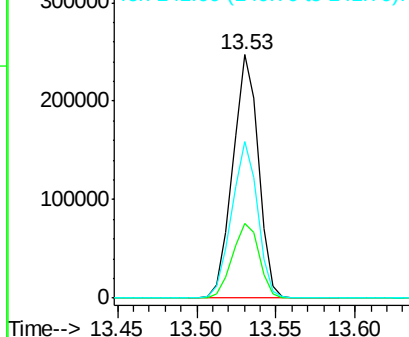


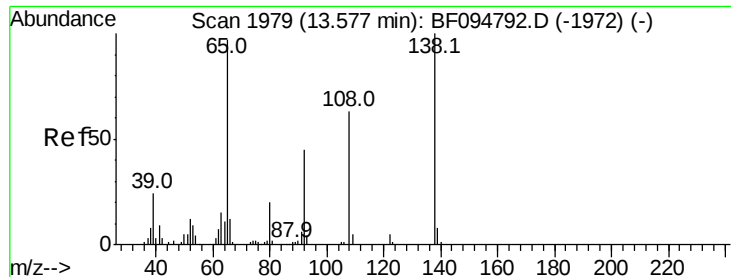
#60  
4-Chlorophenyl-phenylether  
Concen: 46.04 ng  
RT: 13.53 min Scan# 1971  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion:204 Resp: 276543  
Ion Ratio Lower Upper  
204 100  
206 30.8 26.2 39.2  
141 64.4 60.8 91.2



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





#61

4-Nitroaniline

Concen: 41.96 ng

RT: 13.63 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

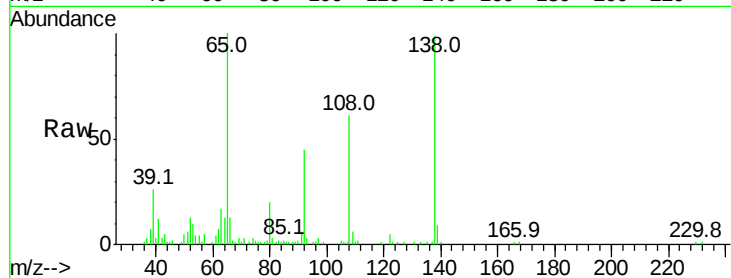
Tot Ion:138 Resp: 123644

Ion Ratio Lower Upper

138 100

92 45.6 21.8 61.8

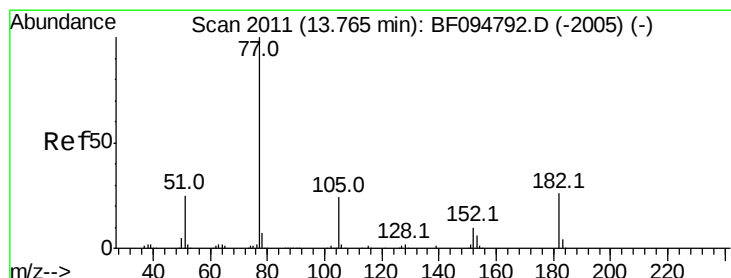
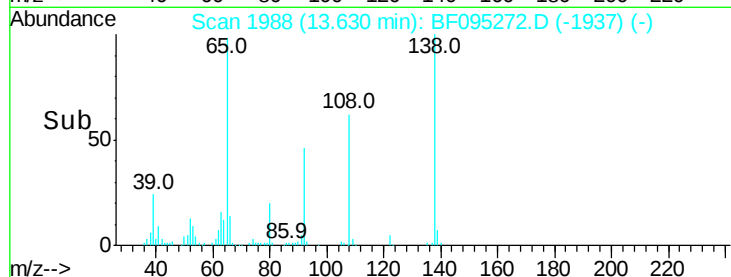
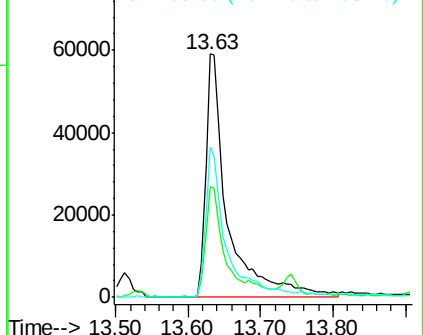
108 61.5 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 51.89 ng

RT: 13.79 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Tgt Ion: 77 Resp: 585903

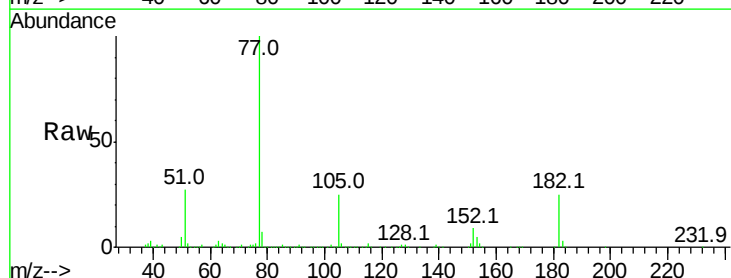
Ion Ratio Lower Upper

77 100

182 24.7 0.1 40.1

105 24.7 3.6 43.6

51 26.6 9.4 49.4

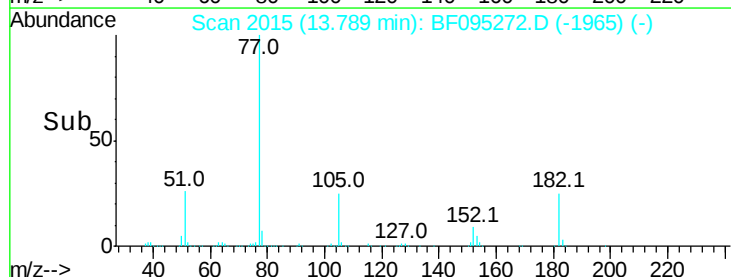
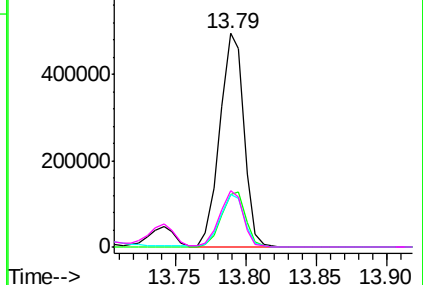


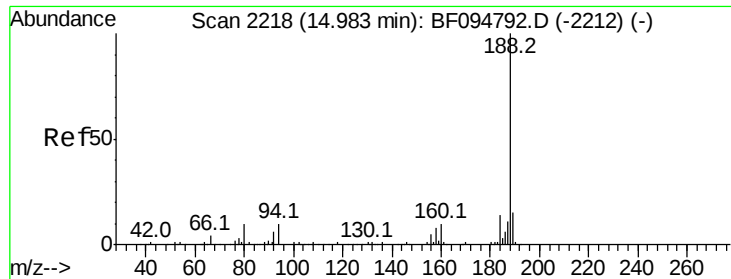
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

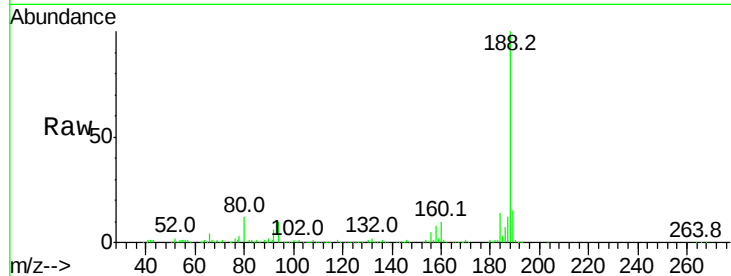
Tot Ion:188 Resp: 322541

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

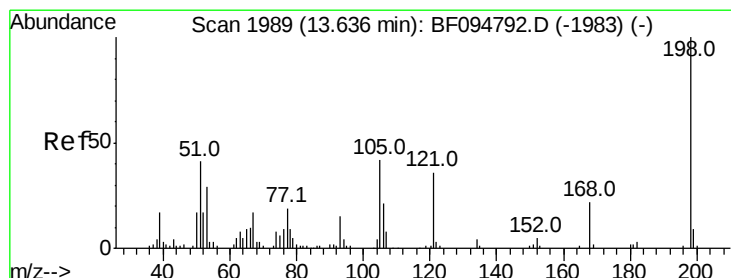
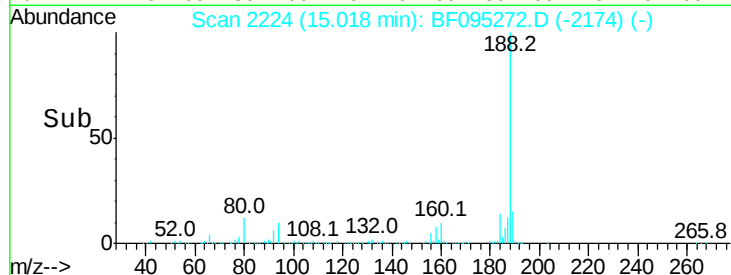
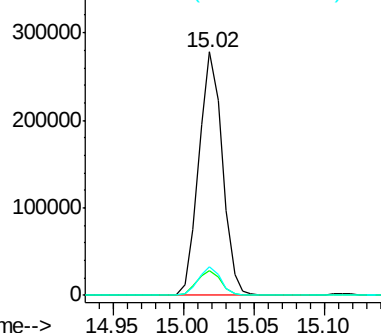
80 11.5 10.2 15.2



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: 44.02 ng

RT: 13.69 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

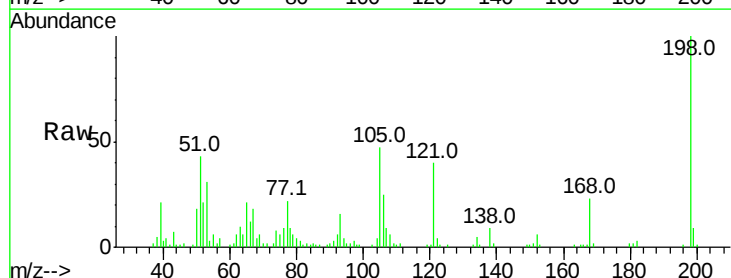
Tgt Ion:198 Resp: 95183

Ion Ratio Lower Upper

198 100

51 42.9 53.2 93.2#

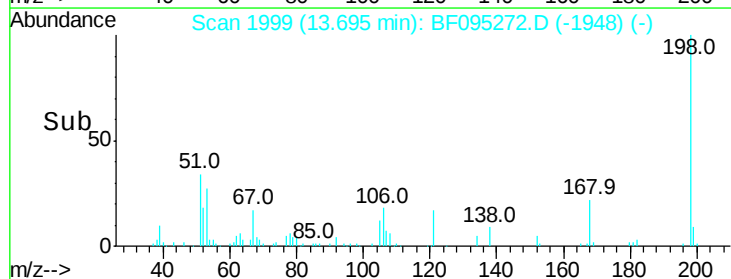
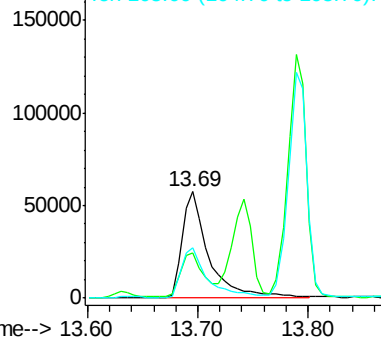
105 47.4 45.8 85.8

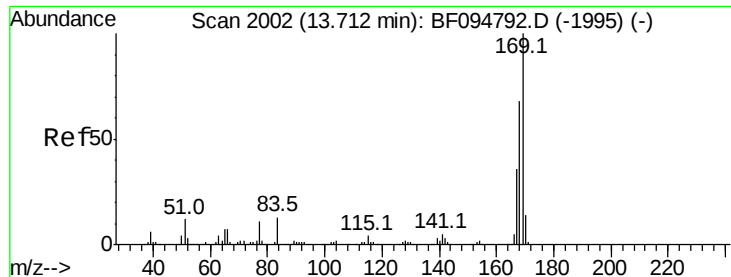


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 45.96 ng

RT: 13.74 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

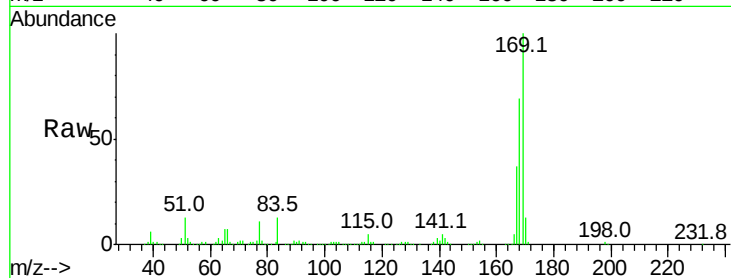
Tot Ion:169 Resp: 537989

Ion Ratio Lower Upper

169 100

168 68.7 53.2 79.8

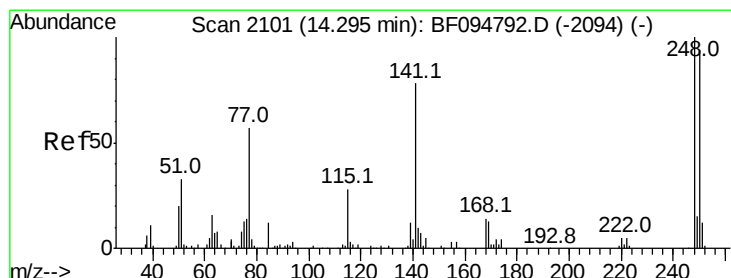
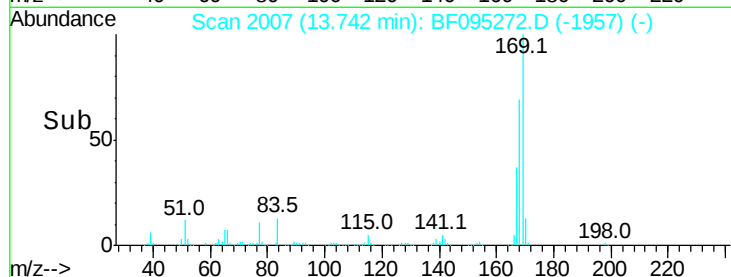
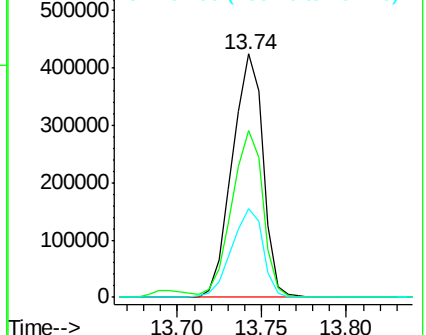
167 36.5 29.5 44.3



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: 45.76 ng

RT: 14.32 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

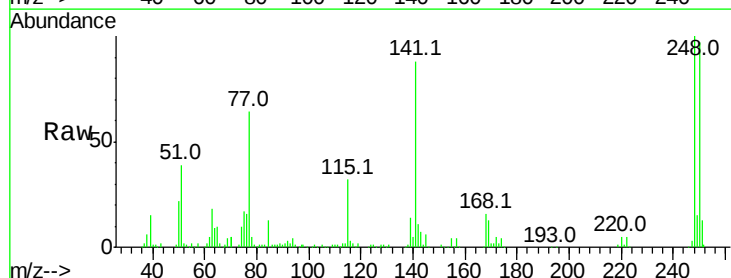
Tgt Ion:248 Resp: 155945

Ion Ratio Lower Upper

248 100

250 97.5 76.8 115.2

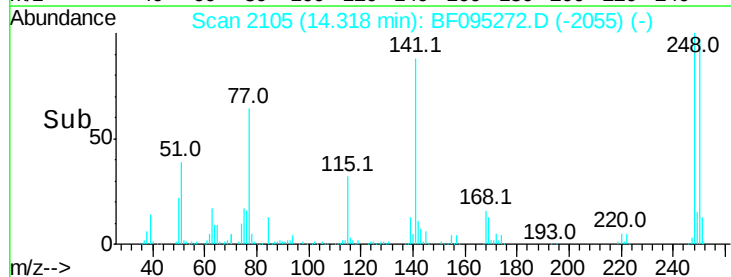
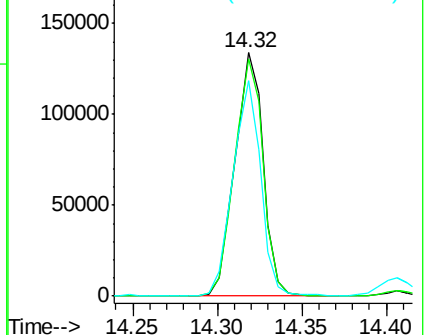
141 88.5 68.6 103.0

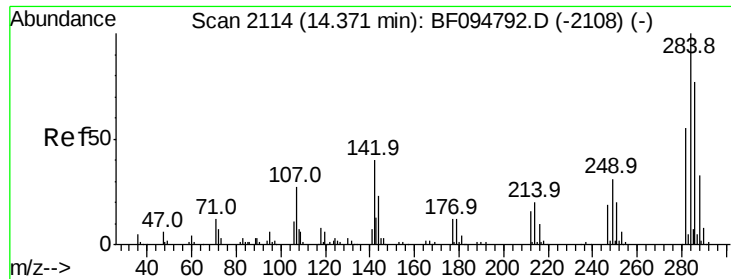


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 45.09 ng

RT: 14.41 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

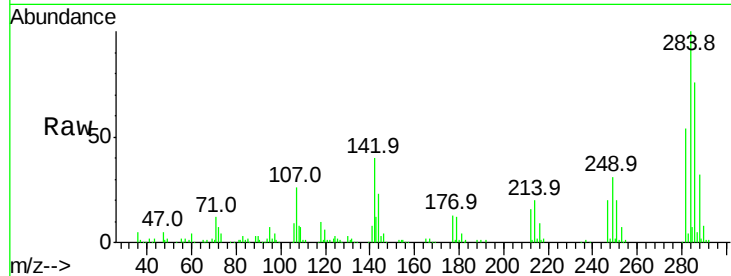
Tot Ion:284 Resp: 157457

Ion Ratio Lower Upper

284 100

142 40.4 22.8 34.2#

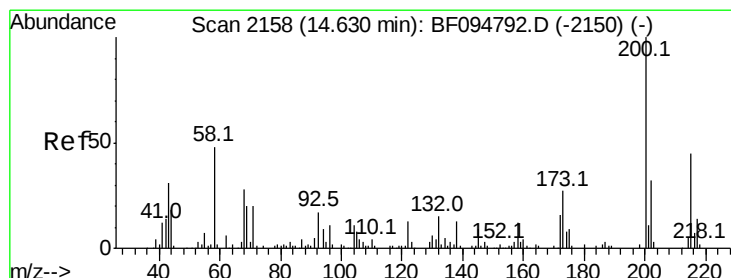
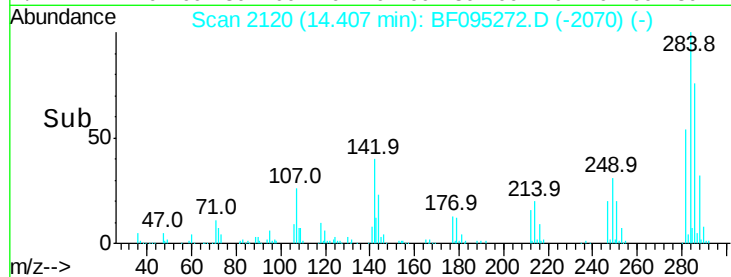
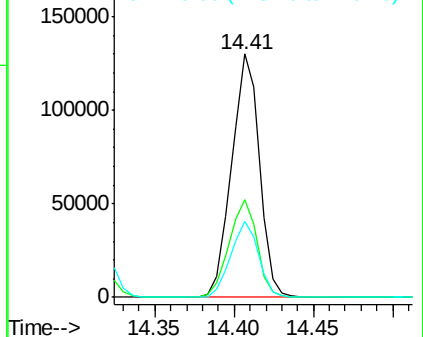
249 31.1 24.0 36.0



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



#68

Atrazine

Concen: 49.06 ng

RT: 14.67 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

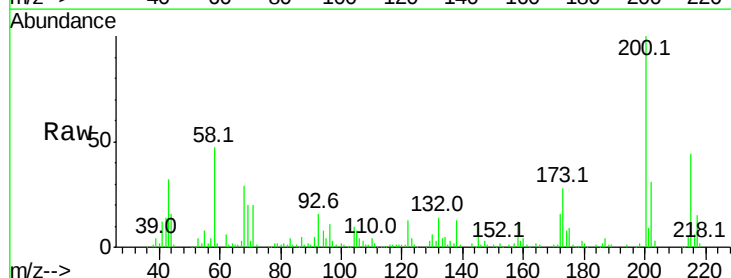
Tgt Ion:200 Resp: 162161

Ion Ratio Lower Upper

200 100

173 28.2 6.3 46.3

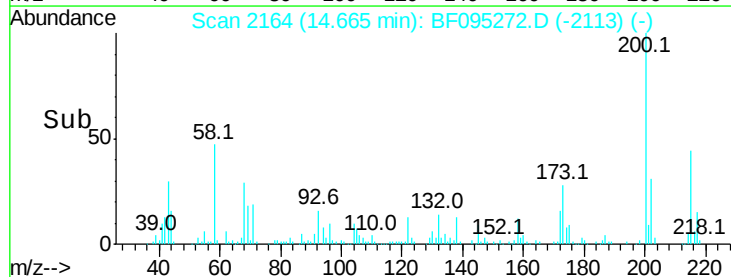
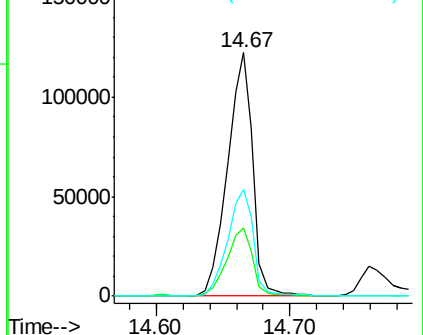
215 43.9 27.2 67.2

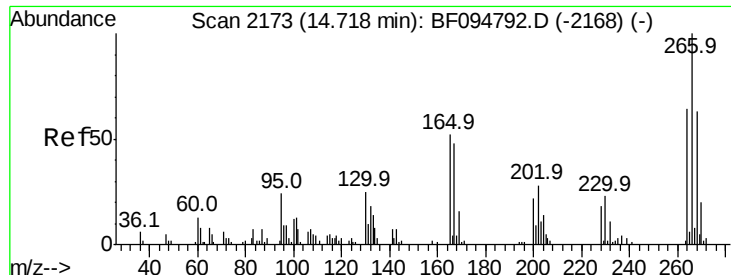


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

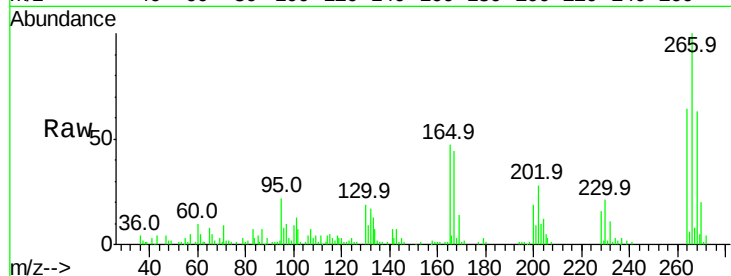




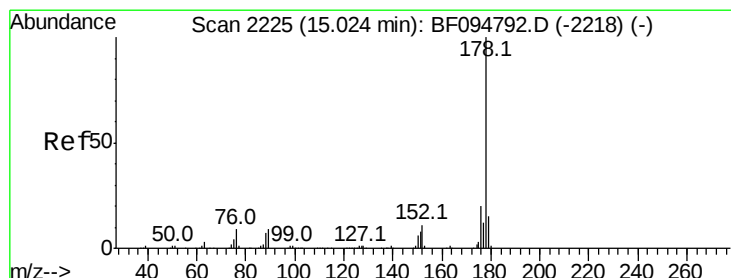
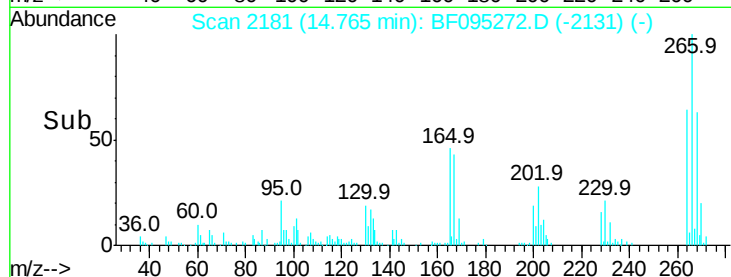
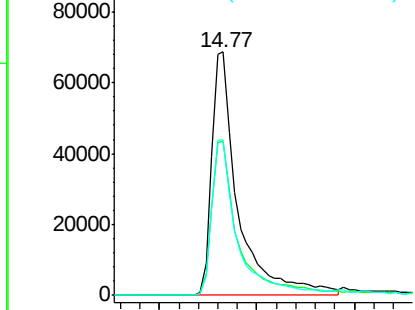
#69  
 Pentachlorophenol  
 Concen: 81.61 ng  
 RT: 14.77 min Scan# 2181  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.5  | 51.1  | 76.7  |
| 264     | 63.7  | 51.7  | 77.5  |

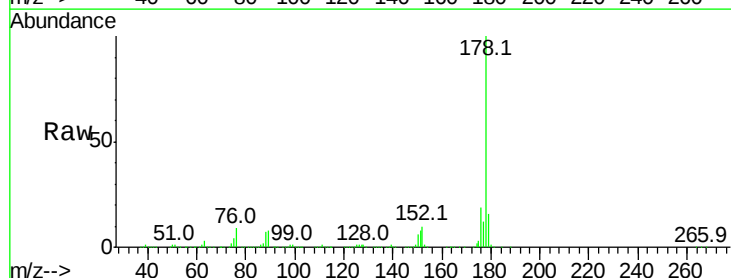


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

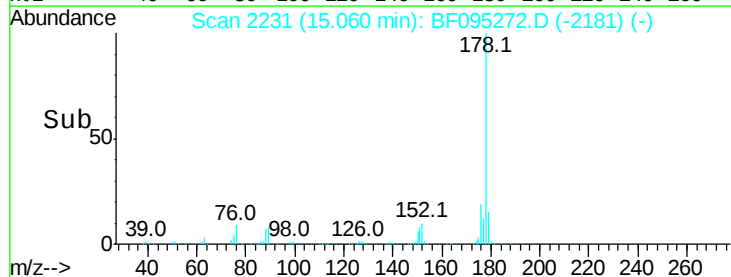
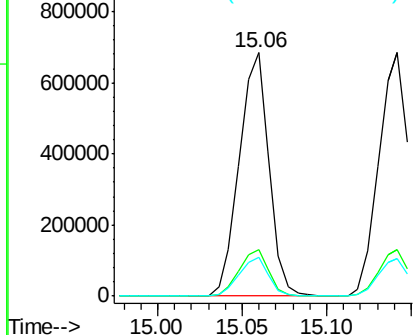


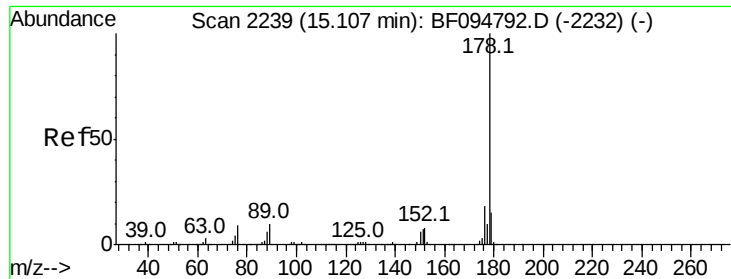
#70  
 Phenanthrene  
 Concen: 45.32 ng  
 RT: 15.06 min Scan# 2231  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 16.2  | 24.4  |
| 179     | 15.7  | 12.6  | 19.0  |



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

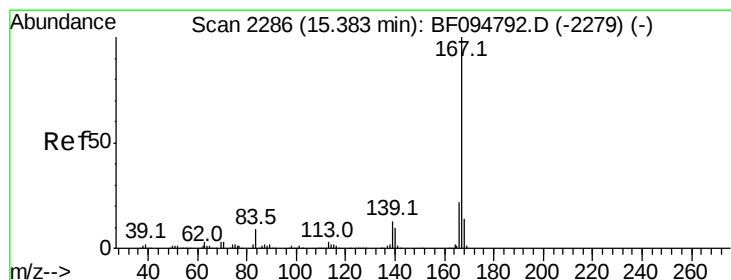
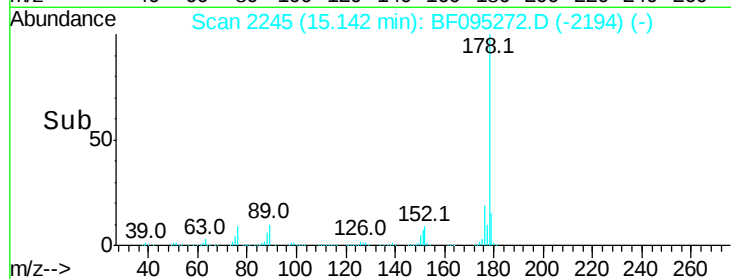
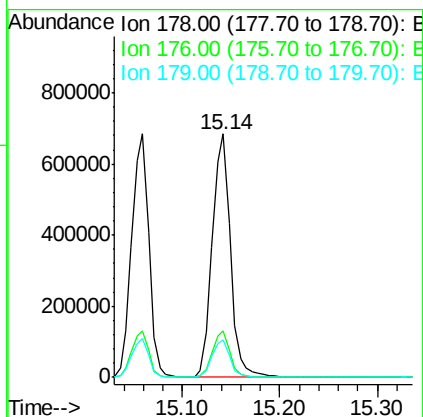
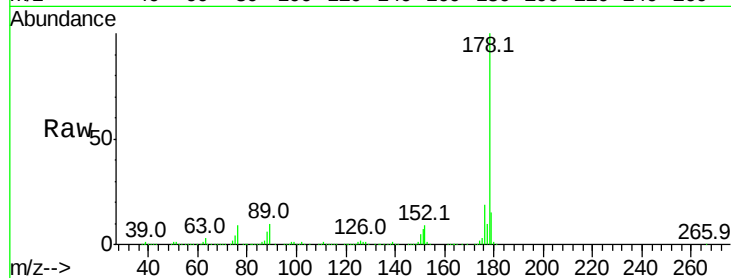




#71  
 Anthracene  
 Concen: 46.67 ng  
 RT: 15.14 min Scan# 2245  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

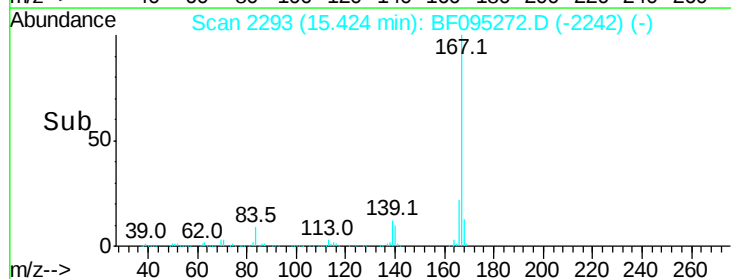
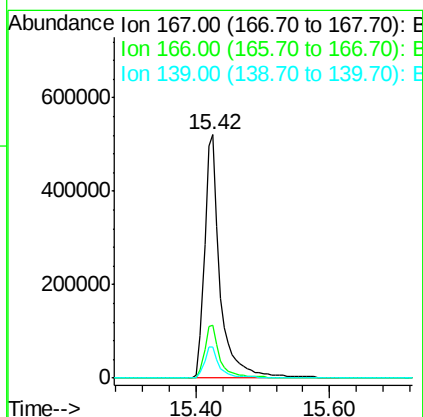
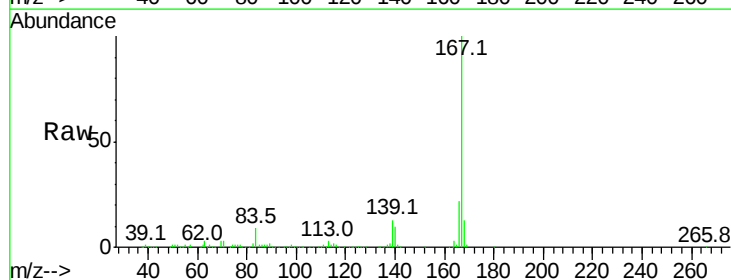
Instrument :  
 BNA\_F  
 ClientSampleId :

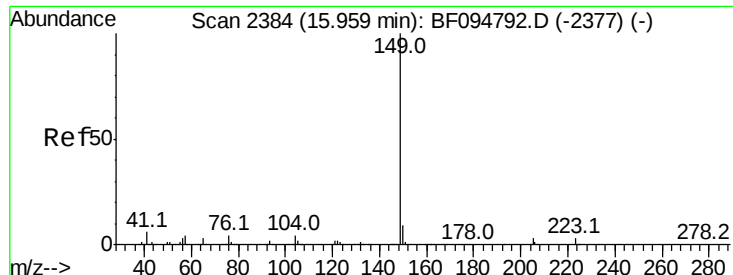
Tot Ion:178 Resp: 883549  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.8 23.8  
 179 15.4 12.7 19.1



#72  
 Carbazole  
 Concen: 48.53 ng  
 RT: 15.42 min Scan# 2293  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Tgt Ion:167 Resp: 835935  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 18.1 27.1  
 139 12.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 48.90 ng

RT: 15.98 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

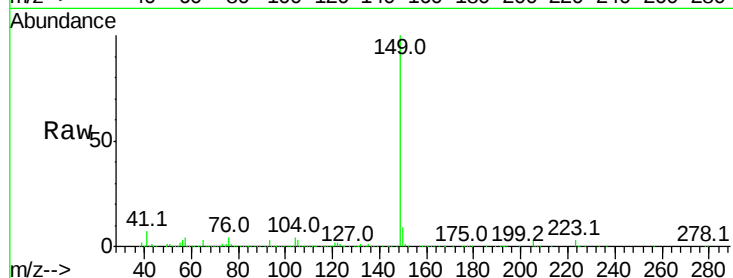
Tot Ion:149 Resp: 1050320

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

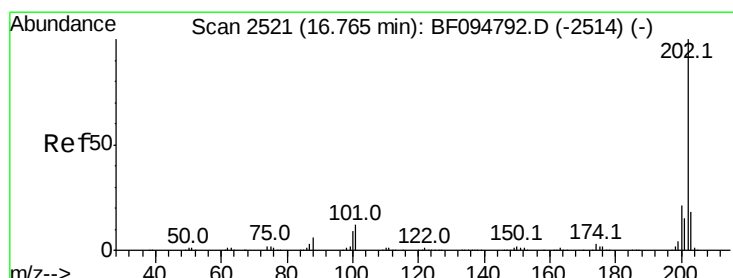
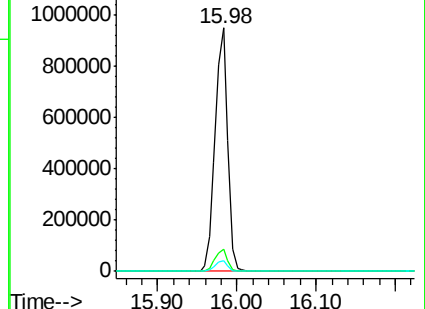
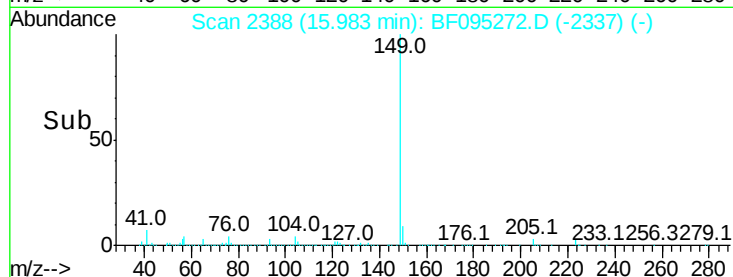
104 4.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.88 ng

RT: 16.80 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

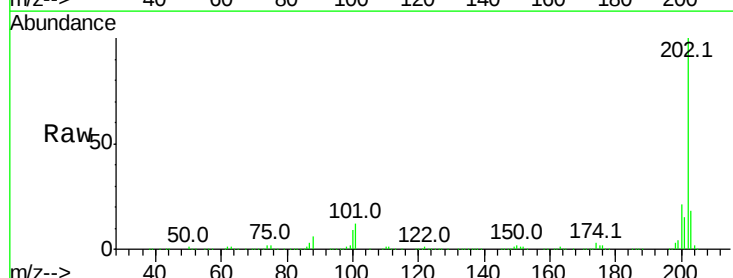
Tgt Ion:202 Resp: 853122

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

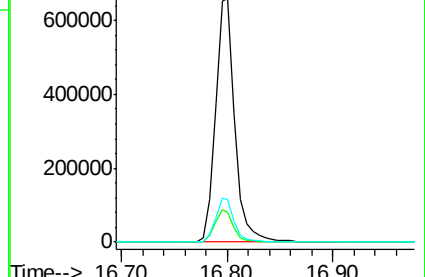
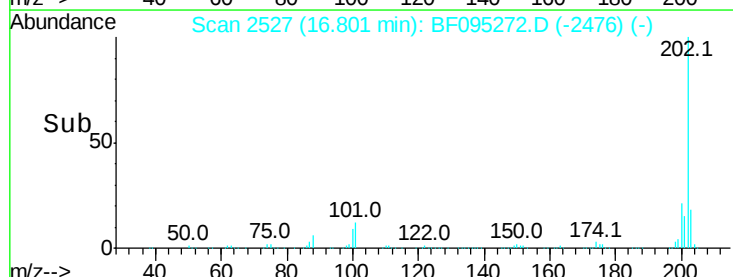
203 17.7 0.0 38.1

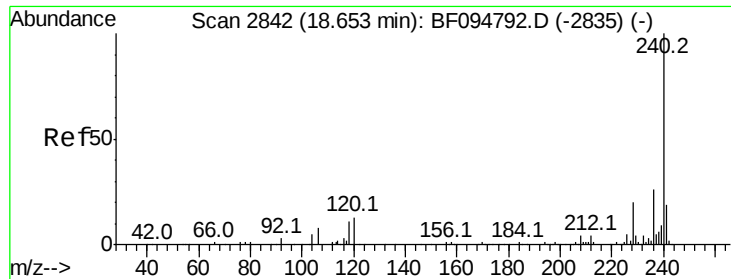


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

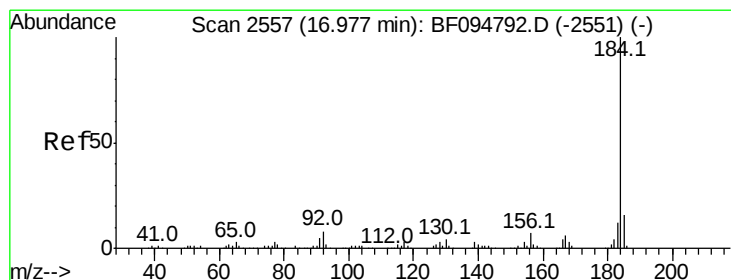
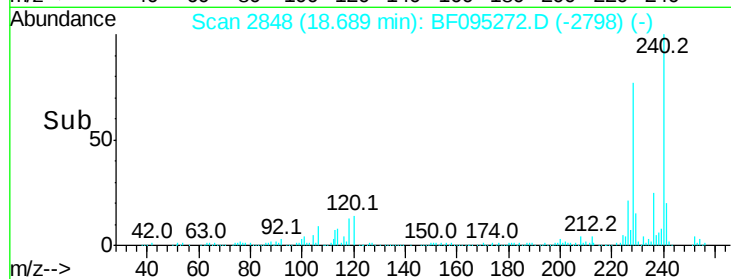
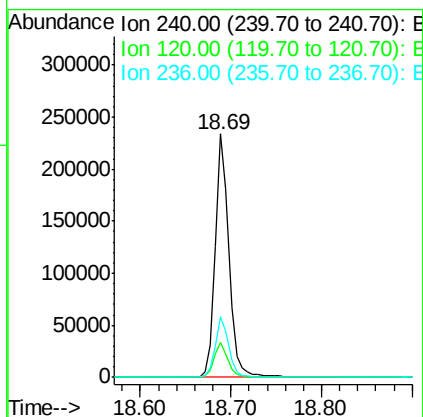
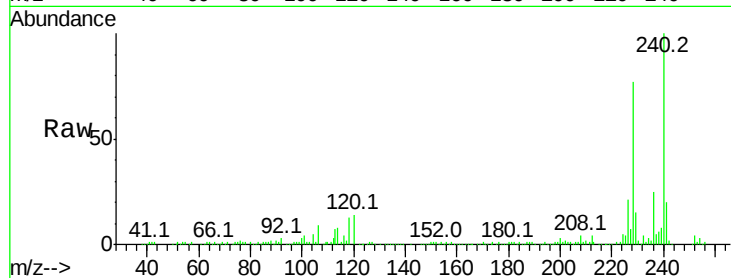




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 18.69 min Scan# 2848  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

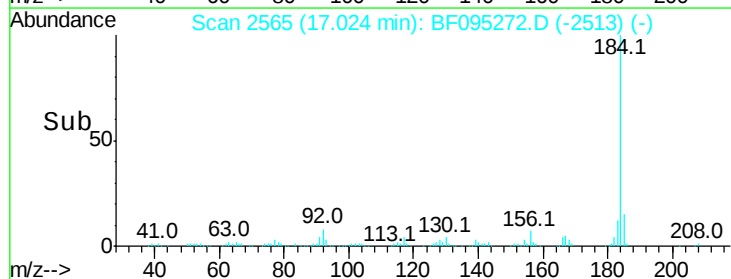
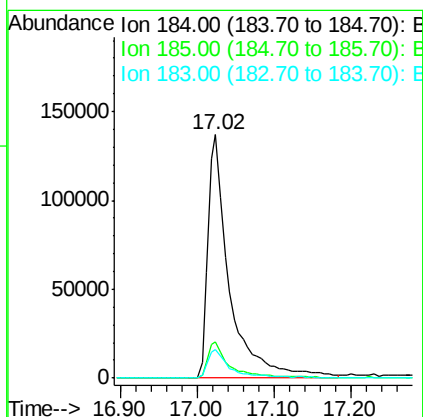
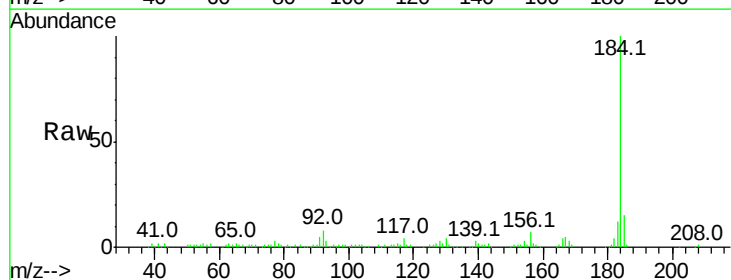
Instrument :  
 BNA\_F  
 ClientSampleId :

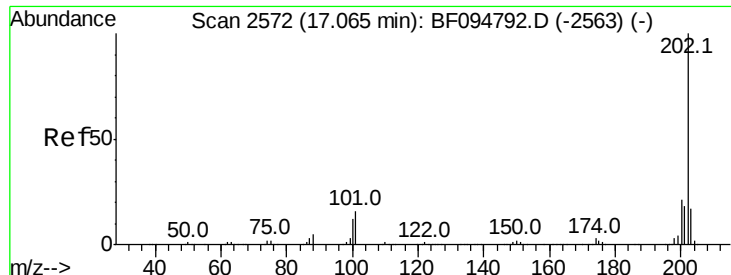
Tot Ion:240 Resp: 246051  
 Ion Ratio Lower Upper  
 240 100  
 120 14.4 5.8 8.8#  
 236 25.0 20.5 30.7



#76  
 Benzidine  
 Concen: 41.06 ng  
 RT: 17.02 min Scan# 2565  
 Delta R.T. 0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Tgt Ion:184 Resp: 265918  
 Ion Ratio Lower Upper  
 184 100  
 185 14.8 15.5 23.3#  
 183 11.7 9.8 14.6

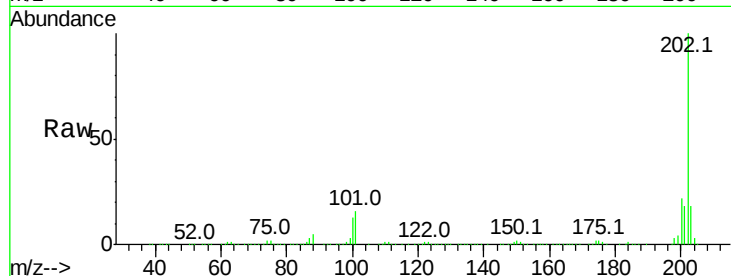




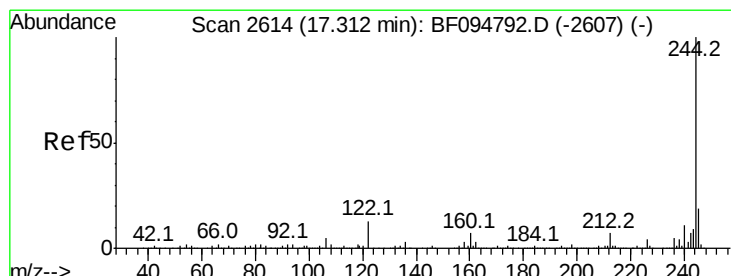
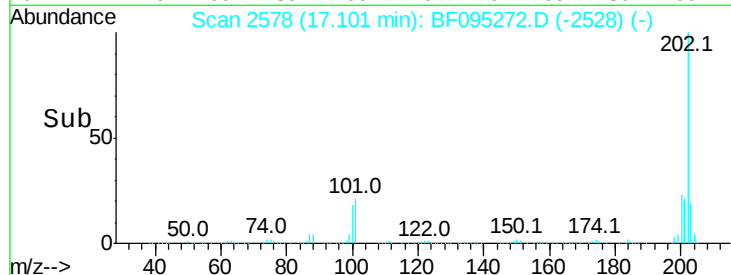
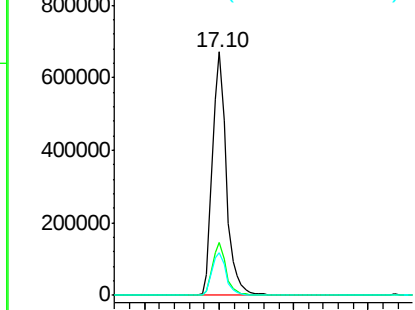
#77  
Pvrene  
Concen: 46.84 ng  
RT: 17.10 min Scan# 2578  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 861902  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.6 26.4  
203 17.7 14.4 21.6

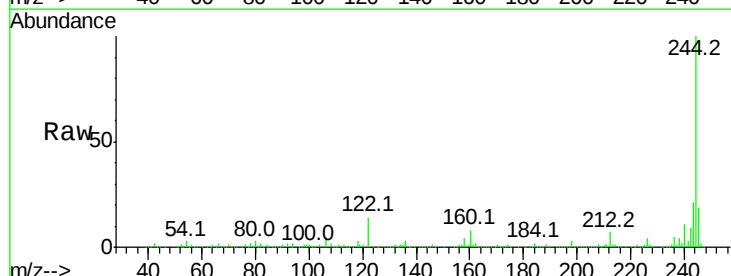


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

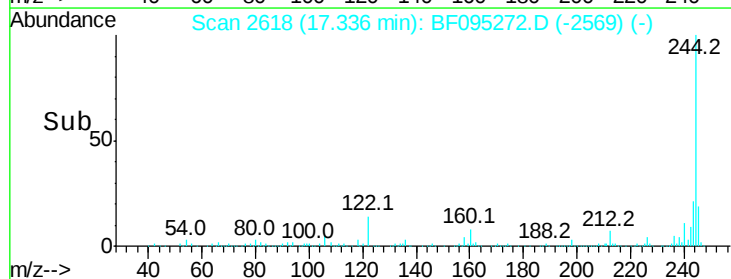
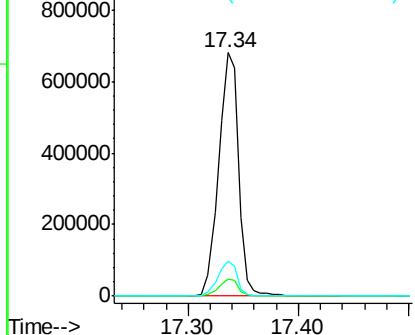


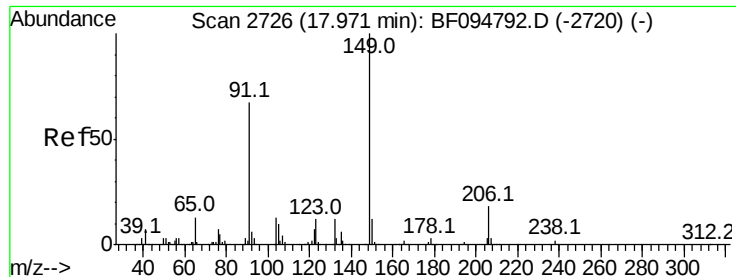
#78  
Terphenyl-d14  
Concen: 76.82 ng  
RT: 17.34 min Scan# 2618  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion:244 Resp: 858211  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.0 9.0  
122 14.5 10.3 15.5



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

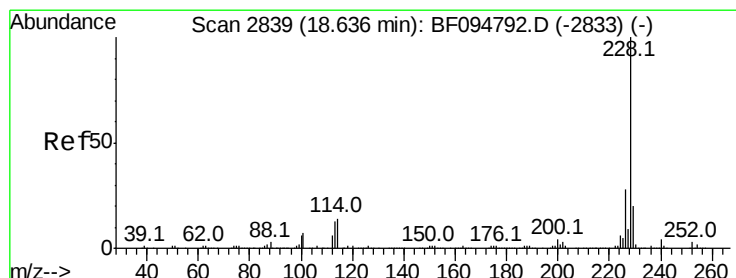
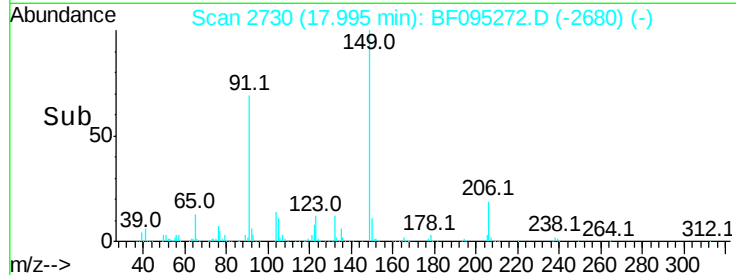
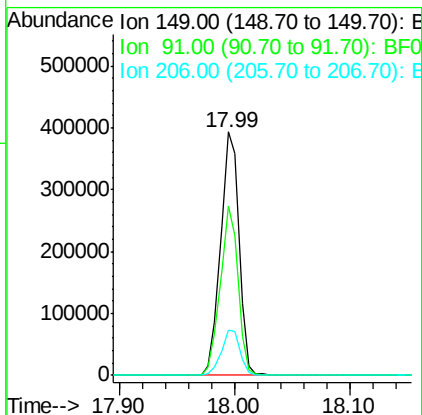
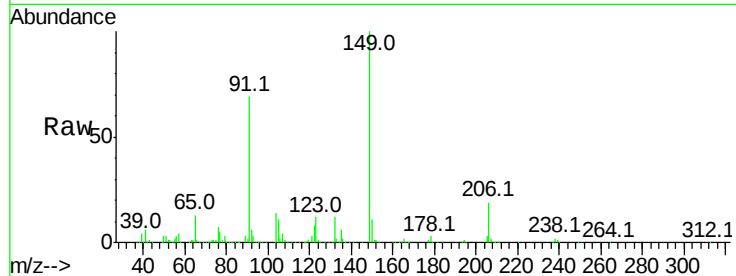




#79  
Butylbenzylphthalate  
Concen: 51.22 ng  
RT: 17.99 min Scan# 2730  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

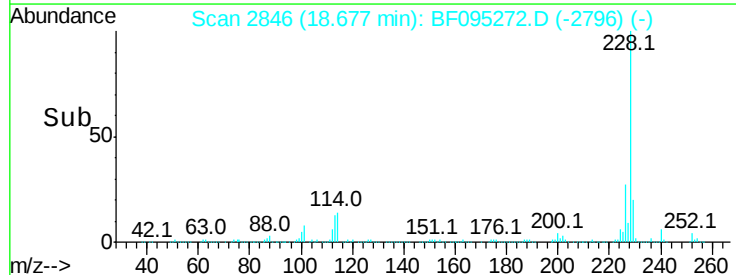
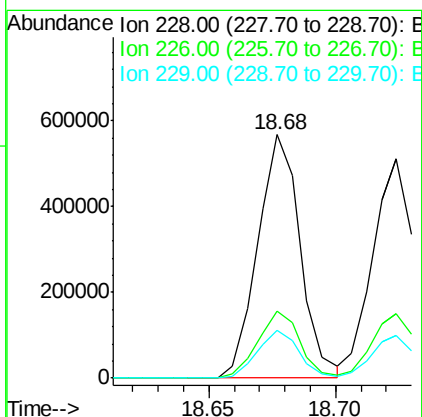
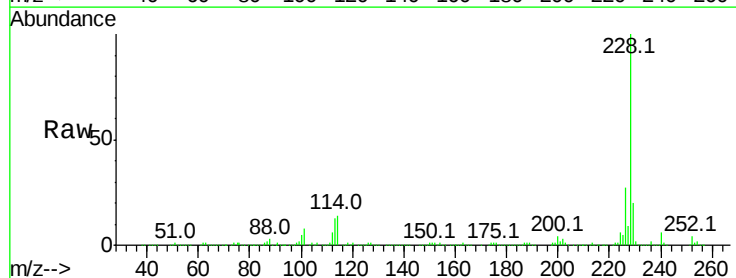
Instrument :  
BNA\_F  
ClientSampleId :

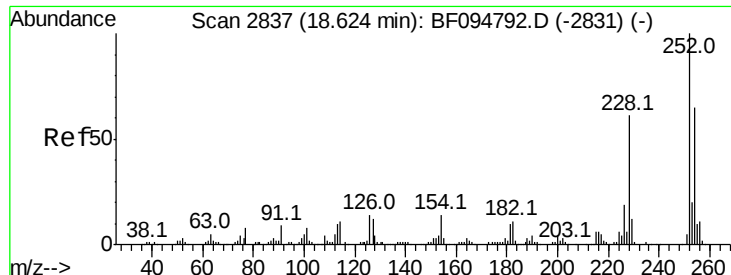
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 69.4  | 45.0  | 67.4# |
| 206     | 18.7  | 17.0  | 25.6  |



#80  
Benzo(a)anthracene  
Concen: 46.44 ng  
RT: 18.68 min Scan# 2846  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 22.6  | 33.8  |
| 229     | 19.8  | 16.3  | 24.5  |

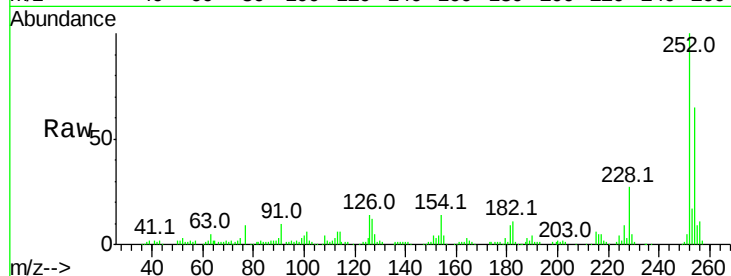




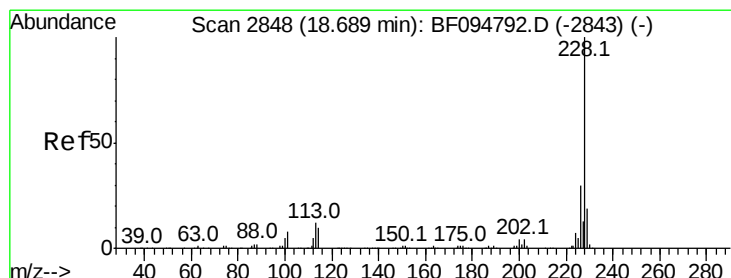
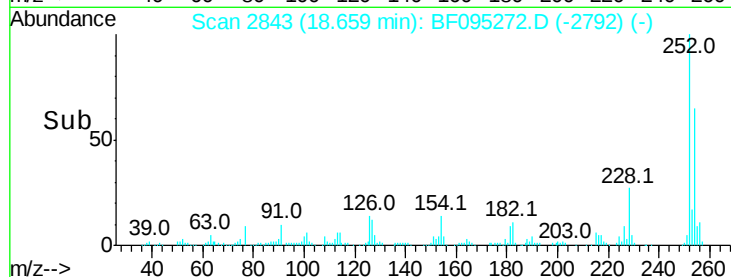
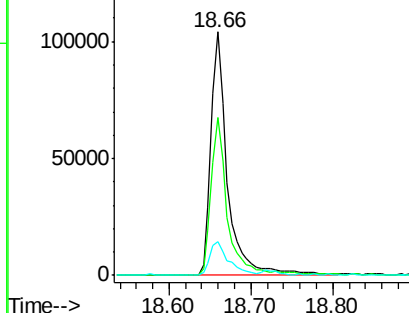
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.78 ng  
 RT: 18.66 min Scan# 2843  
 Delta R.T. 0.00 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.7  | 51.5  | 77.3  |
| 126     | 13.7  | 15.8  | 23.8# |

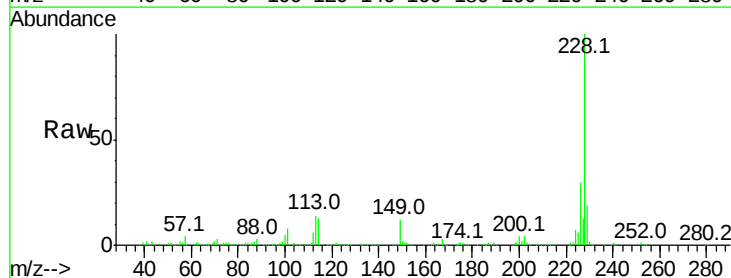


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

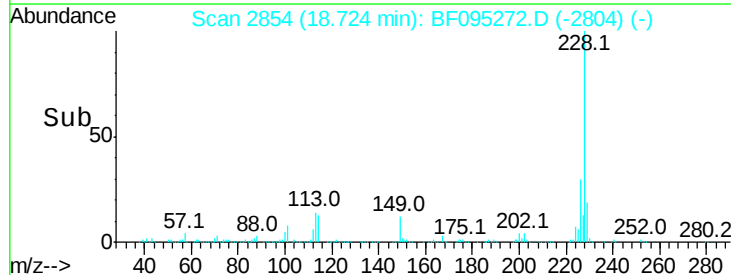
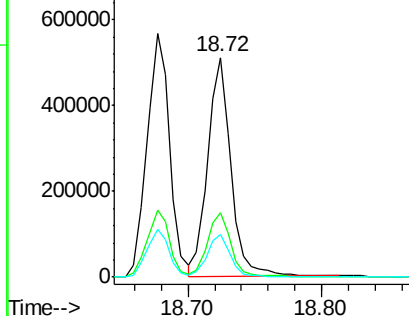


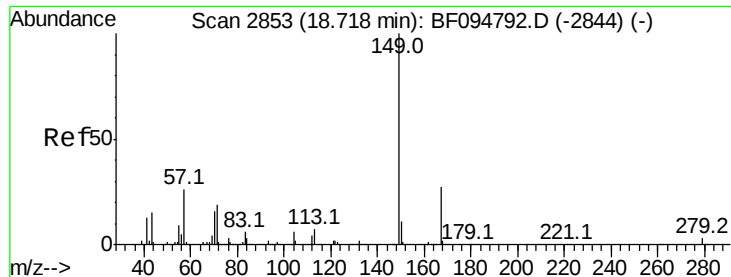
#82  
 Chrysene  
 Concen: 45.15 ng  
 RT: 18.72 min Scan# 2854  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 24.9  | 37.3  |
| 229     | 19.3  | 15.8  | 23.6  |



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 50.64 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

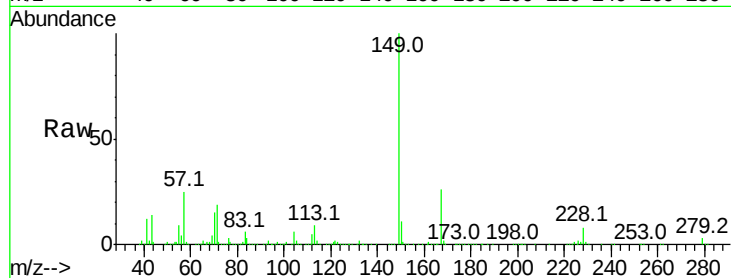
Tot Ion:149 Resp: 617537

Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

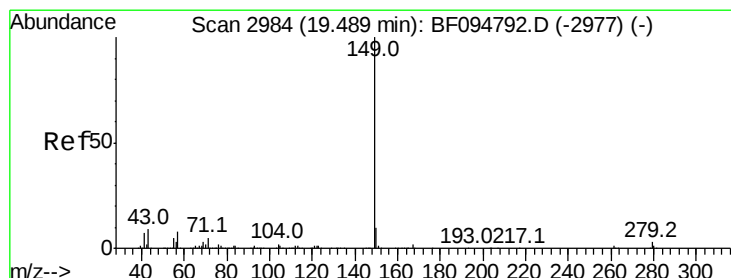
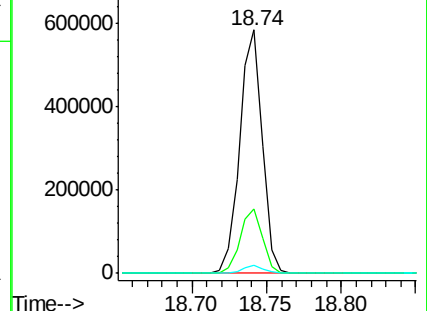
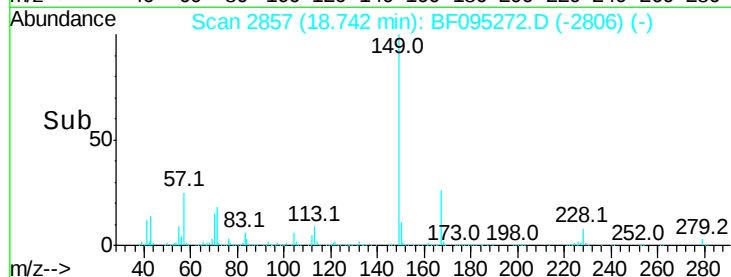
279 3.1 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 49.74 ng

RT: 19.51 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

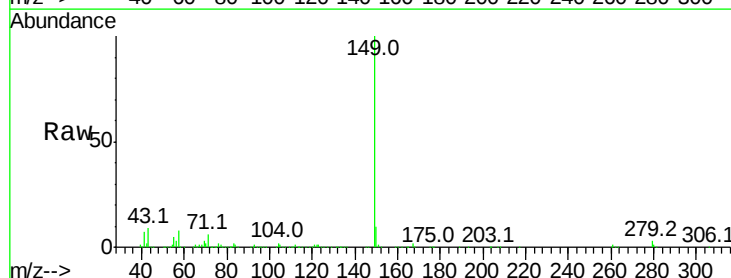
Tgt Ion:149 Resp: 994547

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

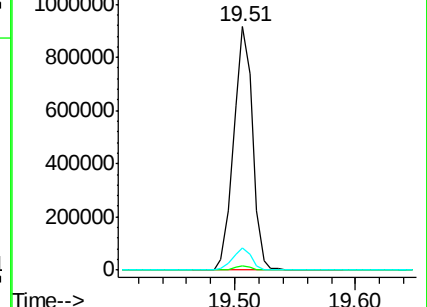
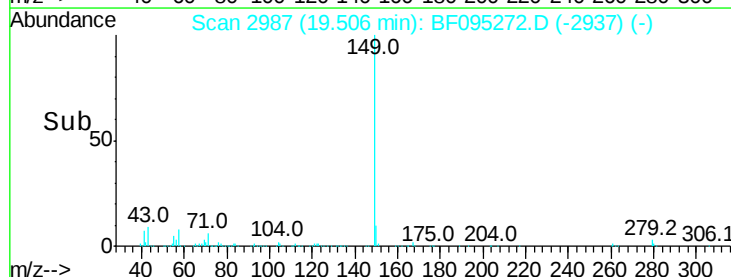
43 8.9 8.5 12.7

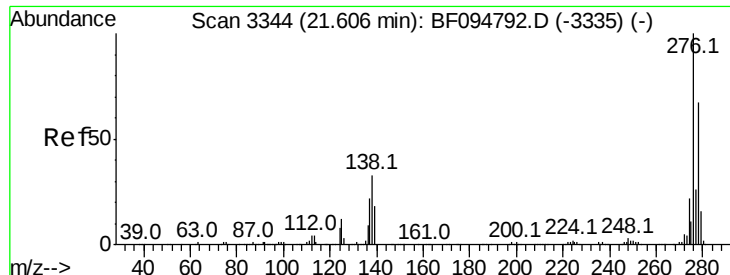


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

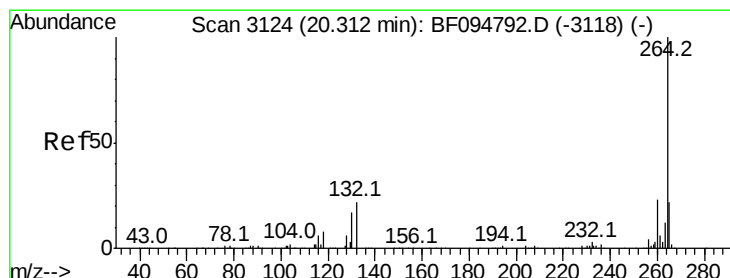
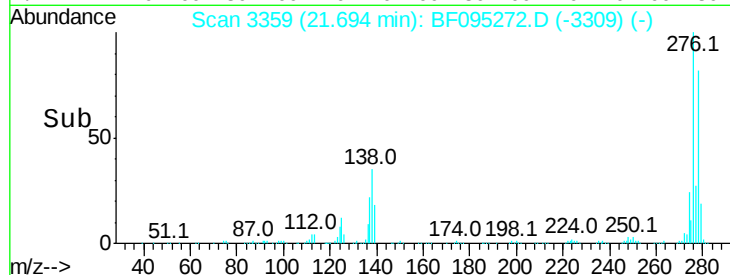
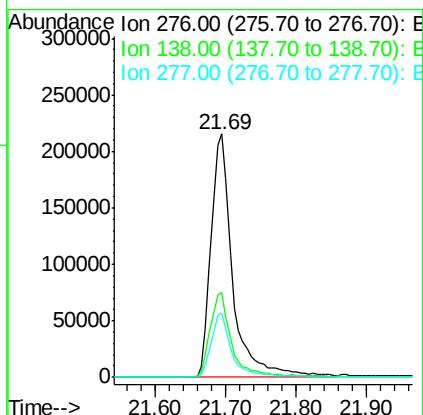
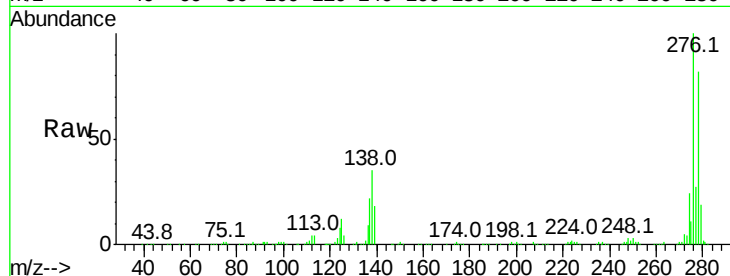




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 41.25 ng  
RT: 21.69 min Scan# 3359  
Delta R.T. -0.01 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

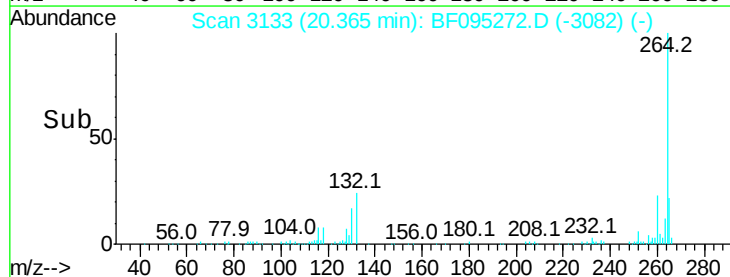
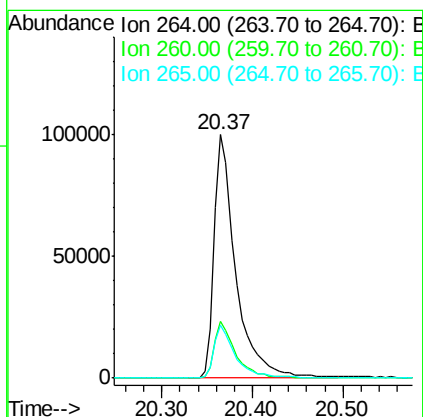
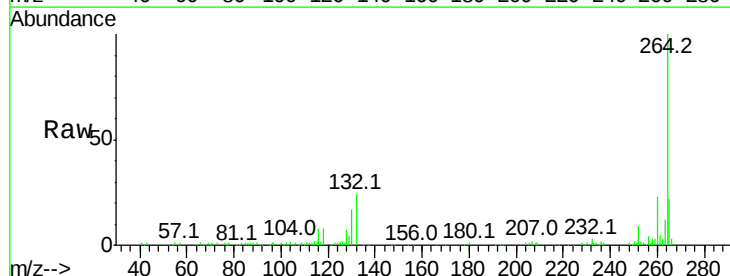
Instrument :  
BNA\_F  
ClientSampled :

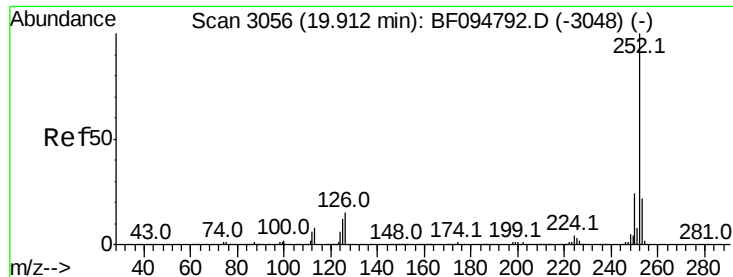
Tot Ion:276 Resp: 463851  
Ion Ratio Lower Upper  
276 100  
138 33.9 27.8 41.6  
277 25.4 20.2 30.4



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 20.37 min Scan# 3133  
Delta R.T. 0.00 min  
Lab File: BF095272.D  
Acq: 19 May 2017 20:02

Tgt Ion:264 Resp: 166338  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.5 29.3  
265 21.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 45.40 ng

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

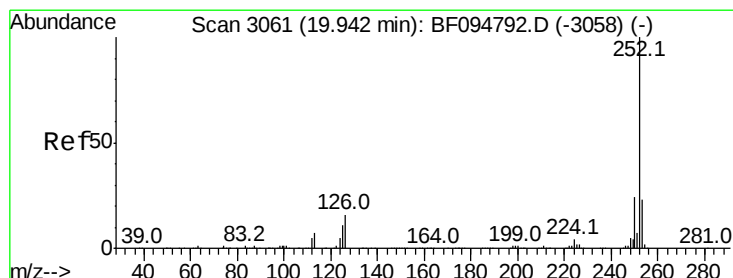
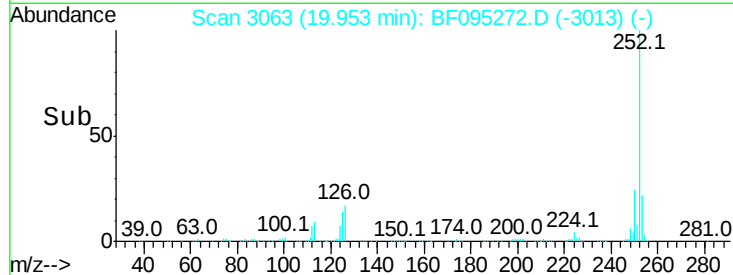
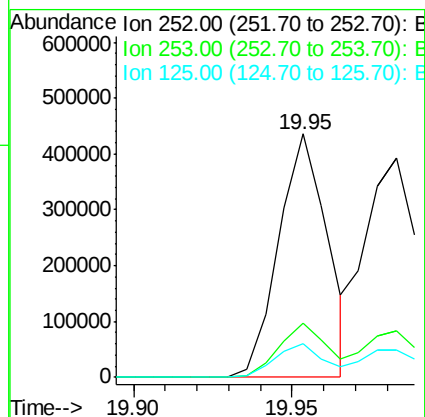
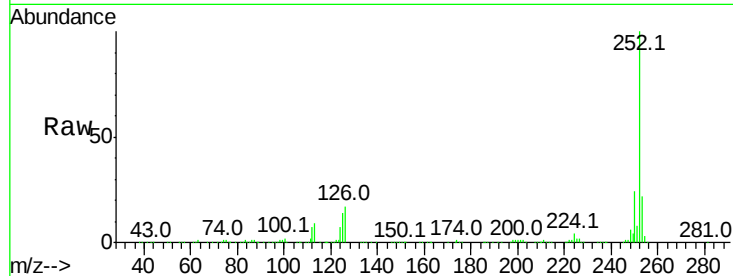
Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 466675

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 18.1  | 27.1  |
| 125 | 13.7  | 9.8   | 14.8  |



#88

Benzo(k)fluoranthene

Concen: 47.07 ng

RT: 19.95 min Scan# 3063

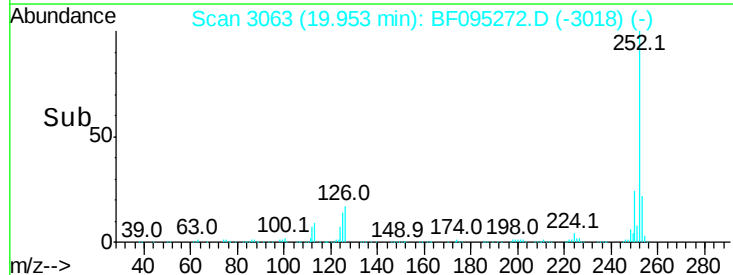
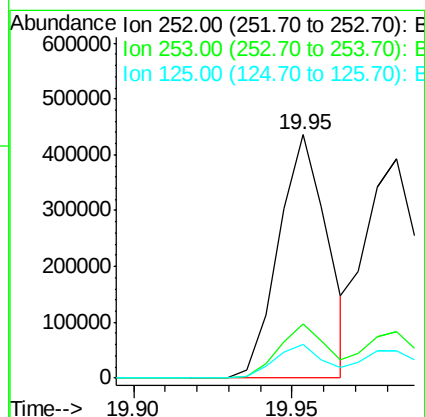
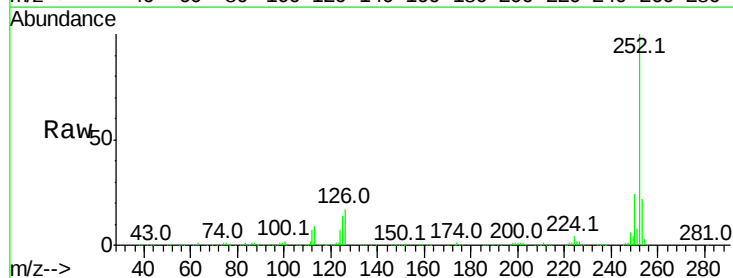
Delta R.T. -0.04 min

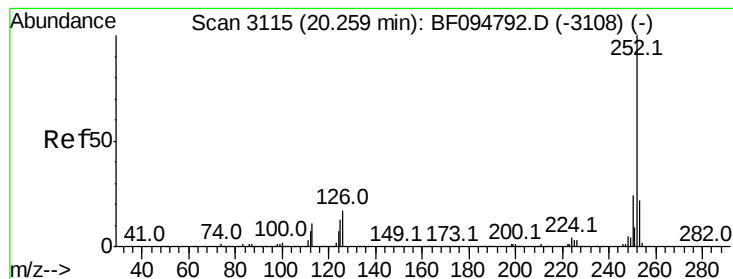
Lab File: BF095272.D

Acq: 19 May 2017 20:02

Tgt Ion:252 Resp: 466675

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 18.4  | 27.6  |
| 125 | 13.7  | 13.1  | 19.7  |





#89

Benzo(a)pyrene

Concen: 48.05 ng

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

Instrument :

BNA\_F

ClientSampleId :

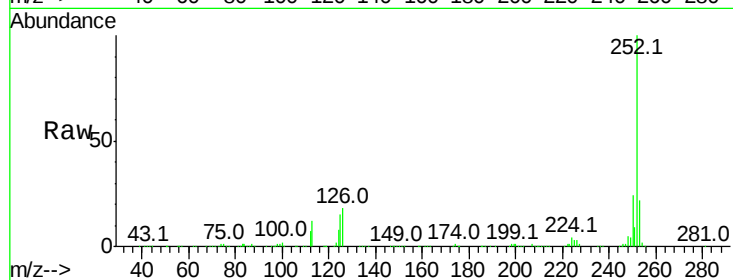
Tot Ion:252 Resp: 455716

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

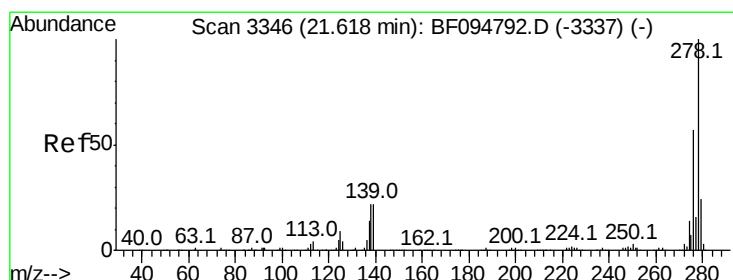
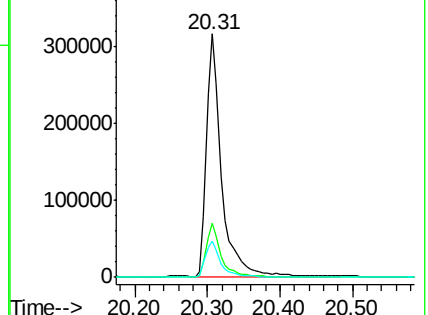
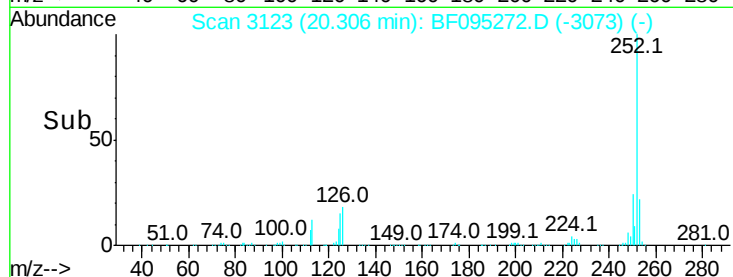
125 15.0 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 48.36 ng

RT: 21.69 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BF095272.D

Acq: 19 May 2017 20:02

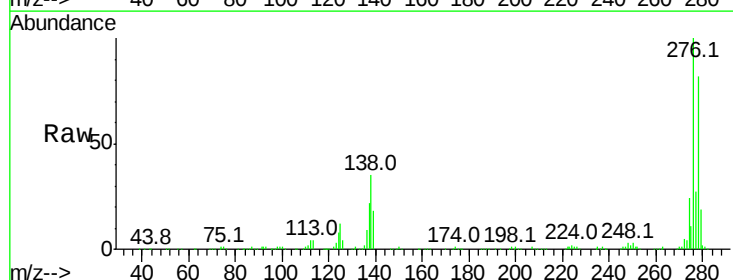
Tgt Ion:278 Resp: 378834

Ion Ratio Lower Upper

278 100

139 22.3 16.6 24.8

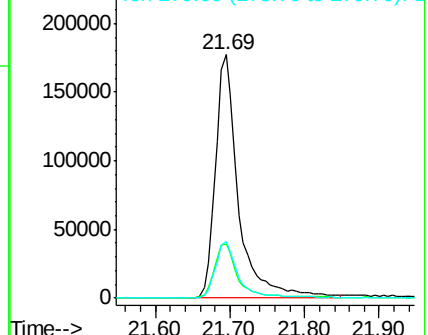
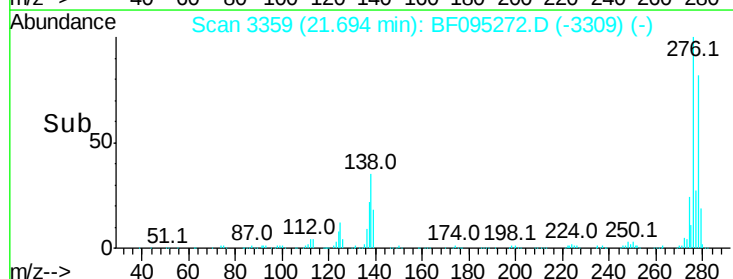
279 23.5 19.3 28.9

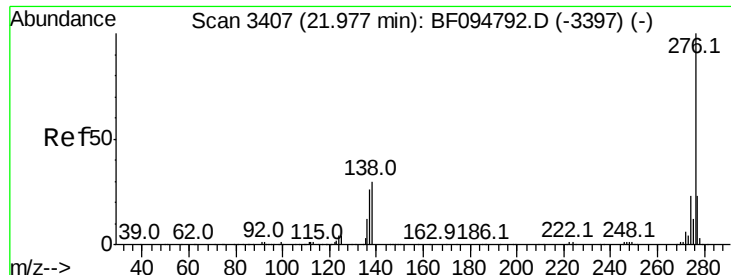


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

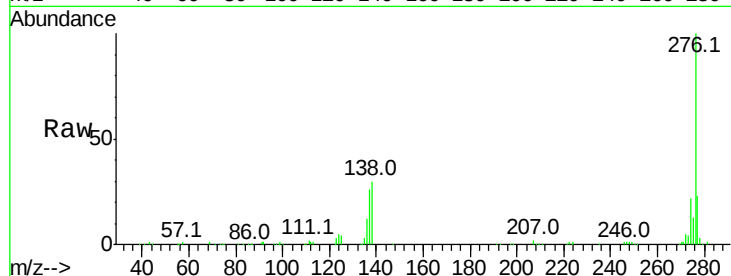




#91  
 Benzo(a,h,i)perylene  
 Concen: 53.36 ng  
 RT: 22.08 min Scan# 3424  
 Delta R.T. -0.01 min  
 Lab File: BF095272.D  
 Acq: 19 May 2017 20:02

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.2  | 18.6  | 28.0  |
| 138     | 30.3  | 25.4  | 38.0  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

