

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\  
 Data File : BF083729.D  
 Acq On : 13 Dec 2015 15:14  
 Operator : UM/IZ  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 14 01:00:29 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 14 00:56:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.92  | 152  | 121914   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.20  | 136  | 475956   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.96  | 164  | 225208   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.44 | 188  | 416291   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.07 | 240  | 287206   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.49 | 264  | 210713   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.52  | 112  | 617374   | 78.86  | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 802139   | 81.60  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 727454   | 101.00 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 184574   | 86.08  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 1278926  | 82.94  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.01 | 244  | 1062328  | 82.93  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.56 | 88   | 157112   | 40.63 | ng    | 100    |
| 3) Pyridine                    | 3.30 | 79   | 410128   | 41.00 | ng    | 100    |
| 4) n-Nitrosodimethylamine      | 3.24 | 42   | 150967   | 37.53 | ng    | 100    |
| 6) Aniline                     | 6.58 | 93   | 558866   | 41.66 | ng    | 100    |
| 8) 2-Chlorophenol              | 6.70 | 128  | 397974   | 45.19 | ng    | 100    |
| 9) Benzaldehyde                | 6.46 | 77   | 229319   | 42.44 | ng    | 100    |
| 10) Phenol                     | 6.56 | 94   | 471346   | 40.84 | ng    | 100    |
| 11) bis(2-Chloroethyl)ether    | 6.65 | 93   | 316255   | 38.75 | ng    | 100    |
| 12) 1,3-Dichlorobenzene        | 6.86 | 146  | 414815   | 42.96 | ng    | 100    |
| 13) 1,4-Dichlorobenzene        | 6.93 | 146  | 391554   | 40.86 | ng    | 100    |
| 14) 1,2-Dichlorobenzene        | 7.09 | 146  | 385378   | 42.93 | ng    | 100    |
| 15) Benzyl Alcohol             | 7.06 | 79   | 325260   | 46.00 | ng    | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.20 | 45   | 438359   | 38.46 | ng    | 100    |
| 17) 2-Methylphenol             | 7.17 | 107  | 311816   | 44.09 | ng    | 100    |
| 18) Hexachloroethane           | 7.44 | 117  | 144140   | 43.89 | ng    | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.33 | 70   | 229646   | 40.68 | ng    | 100    |
| 20) 3+4-Methylphenols          | 7.32 | 107  | 345199   | 40.48 | ng    | 100    |
| 22) Acetophenone               | 7.33 | 105  | 501658   | 43.27 | ng    | 100    |
| 24) Nitrobenzene               | 7.49 | 77   | 367030   | 46.30 | ng    | 100    |
| 25) Isophorone                 | 7.74 | 82   | 716968   | 44.80 | ng    | 100    |
| 26) 2-Nitrophenol              | 7.81 | 139  | 173894   | 51.60 | ng    | 100    |
| 27) 2,4-Dimethylphenol         | 7.86 | 122  | 354151   | 44.50 | ng    | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.95 | 93   | 389379   | 43.42 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 8.05 | 162  | 286617   | 44.09 | ng    | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.14 | 180  | 294749   | 41.20 | ng    | 100    |
| 31) Naphthalene                | 8.22 | 128  | 1026741  | 43.51 | ng    | 100    |
| 32) Benzoic acid               | 7.96 | 122  | 220973   | 49.21 | ng    | 100    |
| 33) 4-Chloroaniline            | 8.27 | 127  | 464490   | 46.13 | ng    | 100    |
| 34) Hexachlorobutadiene        | 8.35 | 225  | 167618   | 41.93 | ng    | 100    |
| 35) Caprolactam                | 8.64 | 113  | 93262    | 43.93 | ng    | 100    |
| 36) 4-Chloro-3-methylphenol    | 8.75 | 107  | 363430   | 49.22 | ng    | 100    |
| 37) 2-Methylnaphthalene        | 8.91 | 142  | 641564   | 42.64 | ng    | 100    |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.08 | 216  | 267981   | 38.95 | ng    | 100    |
| 40) Hexachlorocyclopentadiene  | 9.08 | 237  | 152643   | 45.39 | ng    | 100    |

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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 14 00:56:24 2015  
 Response via : Initial Calibration

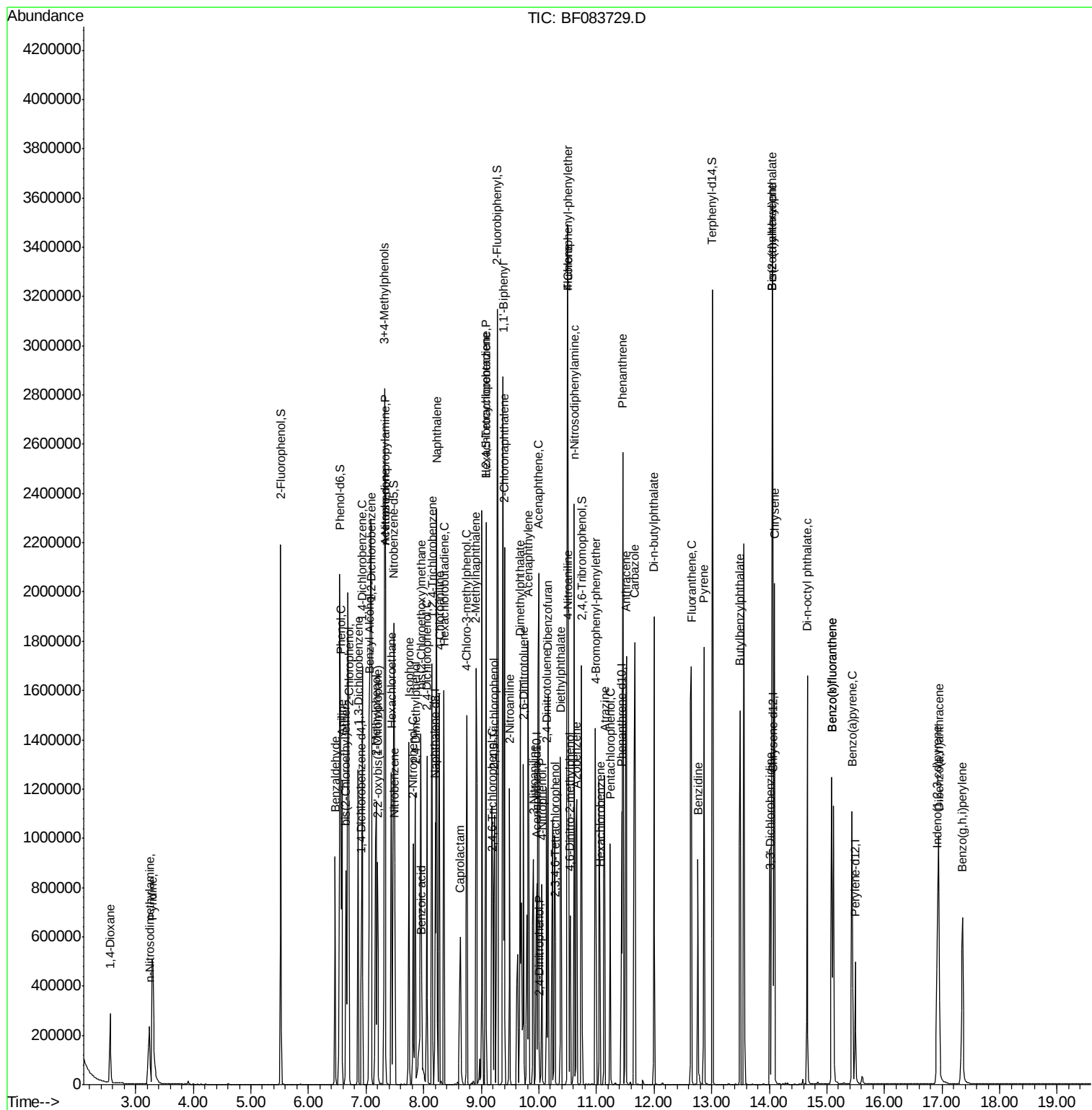
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.20  | 196  | 202832   | 42.45 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.23  | 196  | 210112   | 44.37 | nq    | 100      |
| 45) 1,1'-Biphenyl              | 9.38  | 154  | 822161   | 42.19 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 9.40  | 162  | 598927   | 40.89 | nq    | 100      |
| 47) 2-Nitroaniline             | 9.49  | 65   | 201902   | 51.82 | nq    | 100      |
| 48) Acenaphthylene             | 9.81  | 152  | 1013514  | 41.38 | nq    | 100      |
| 49) Dimethylphthalate          | 9.68  | 163  | 707013   | 41.21 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.73  | 165  | 155411   | 45.94 | nq    | 100      |
| 51) Acenaphthene               | 10.00 | 154  | 620830   | 42.34 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.90  | 138  | 202975   | 50.84 | nq    | 100      |
| 53) 2,4-Dinitrophenol          | 10.01 | 184  | 56161    | 61.02 | nq    | 100      |
| 54) Dibenzofuran               | 10.16 | 168  | 799226   | 41.36 | nq    | 100      |
| 55) 4-Nitrophenol              | 10.05 | 139  | 160173   | 48.23 | nq    | 100      |
| 56) 2,4-Dinitrotoluene         | 10.13 | 165  | 202596   | 46.75 | nq    | 100      |
| 57) Fluorene                   | 10.50 | 166  | 603261   | 39.81 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.28 | 232  | 143531   | 41.95 | nq    | 100      |
| 59) Diethylphthalate           | 10.37 | 149  | 754354   | 45.75 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.50 | 204  | 315327   | 42.86 | nq    | 100      |
| 61) 4-Nitroaniline             | 10.51 | 138  | 158628   | 44.29 | nq    | 100      |
| 62) Azobenzene                 | 10.65 | 77   | 706774   | 44.63 | nq    | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 114404   | 74.26 | nq    | 100      |
| 65) n-Nitrosodiphenylamine     | 10.61 | 169  | 630194   | 44.63 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.98 | 248  | 193457   | 43.04 | nq    | 100      |
| 67) Hexachlorobenzene          | 11.06 | 284  | 205141   | 41.99 | nq    | 100      |
| 68) Atrazine                   | 11.14 | 200  | 193801   | 47.43 | nq    | 100      |
| 69) Pentachlorophenol          | 11.24 | 266  | 130226   | 47.25 | nq    | 100      |
| 70) Phenanthrene               | 11.46 | 178  | 893164   | 39.78 | nq    | 100      |
| 71) Anthracene                 | 11.52 | 178  | 989016   | 41.60 | nq    | 100      |
| 72) Carbazole                  | 11.66 | 167  | 944330   | 42.80 | nq    | 100      |
| 73) Di-n-butylphthalate        | 12.00 | 149  | 1041522  | 43.86 | nq    | 100      |
| 74) Fluoranthene               | 12.65 | 202  | 1004864  | 41.54 | nq    | 100      |
| 76) Benzidine                  | 12.76 | 184  | 438100   | 40.28 | nq    | 100      |
| 77) Pyrene                     | 12.87 | 202  | 959739   | 41.97 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.49 | 149  | 459823   | 59.58 | nq    | 100      |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 694286   | 41.28 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.02 | 252  | 263109   | 47.88 | nq    | 100      |
| 82) Chrysene                   | 14.09 | 228  | 675593   | 41.92 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149  | 498565   | 59.70 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.66 | 149  | 776199   | 60.28 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.92 | 276  | 637868   | 41.83 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.08 | 252  | 559845   | 42.12 | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 15.08 | 252  | 559845   | 44.01 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 15.44 | 252  | 523846   | 43.72 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 16.95 | 278  | 532287   | 45.21 | nq    | 100      |
| 91) Benzo(g,h,i)perylene       | 17.36 | 276  | 549299   | 44.27 | nq    | 100      |

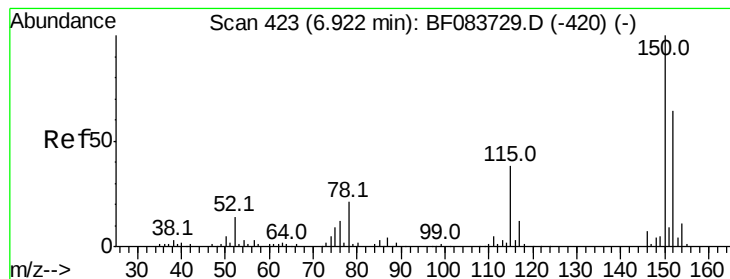
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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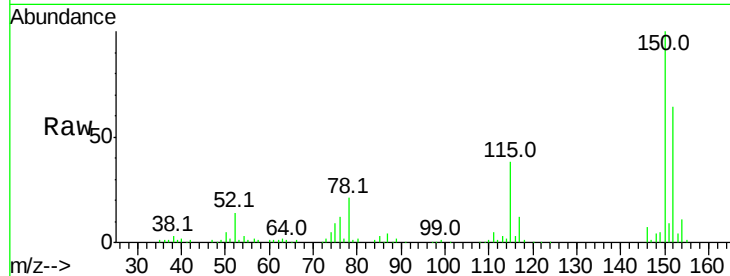


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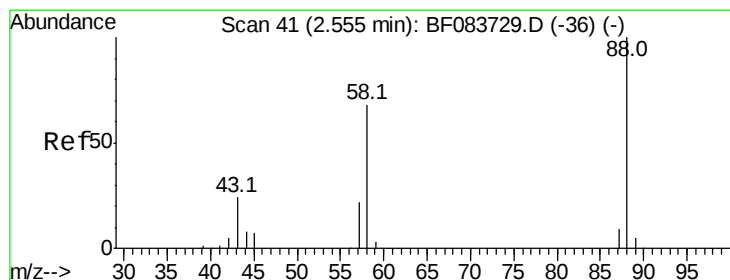
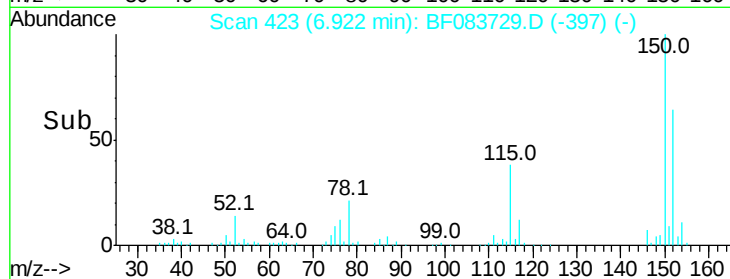
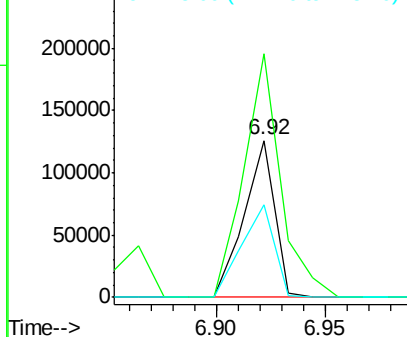
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.92 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 121914  
Ion Ratio Lower Upper  
152 100  
150 155.1 124.1 186.1  
115 59.0 47.2 70.8



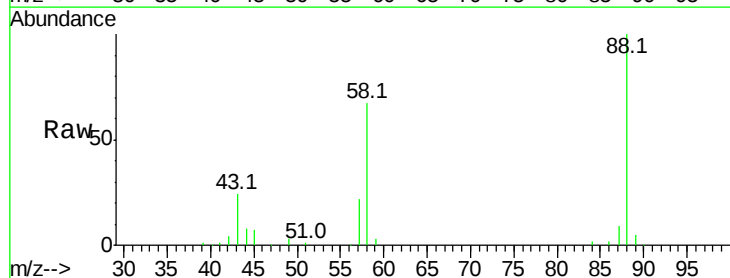
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



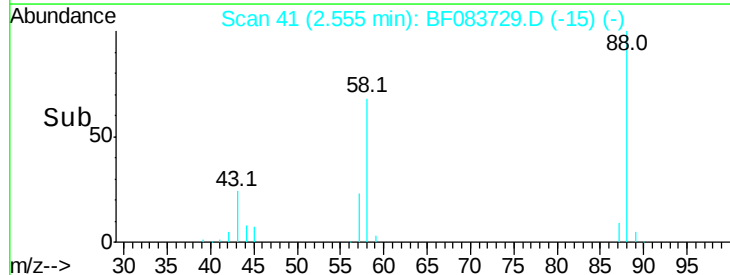
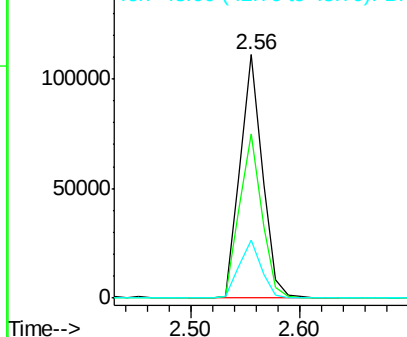
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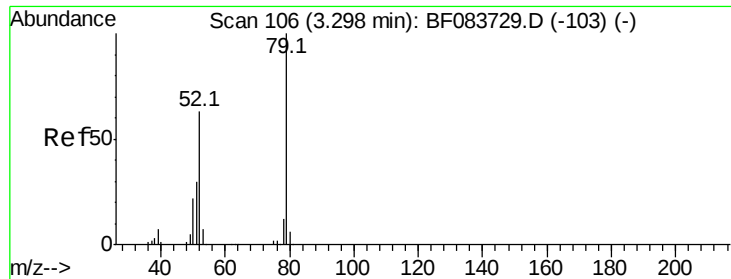
1,4-Dioxane  
Concen: 40.63 ng  
RT: 2.56 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion: 88 Resp: 157112  
Ion Ratio Lower Upper  
88 100  
58 66.9 53.5 80.3  
43 23.4 18.7 28.1



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



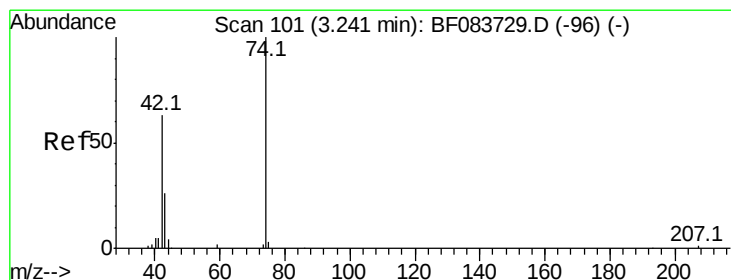
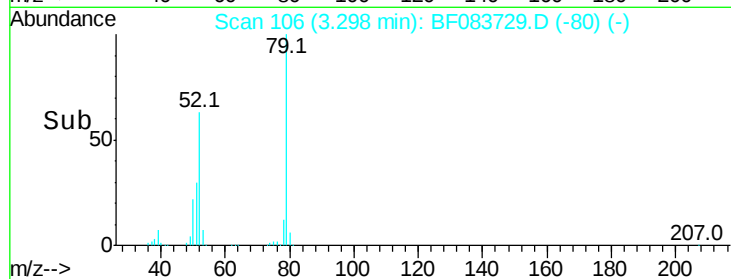
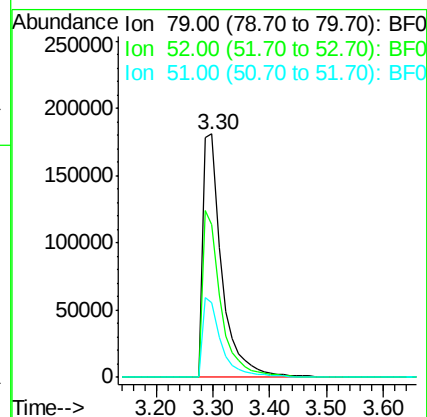
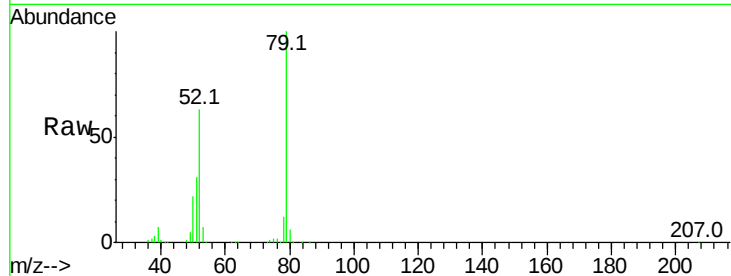


#3  
Pvridine  
Concen: 41.00 ng  
RT: 3.30 min Scan# 106  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 79 Resp: 410128  

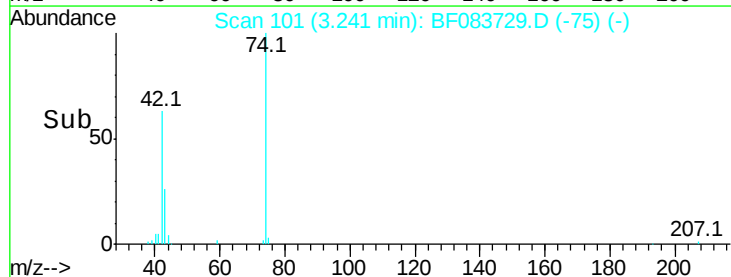
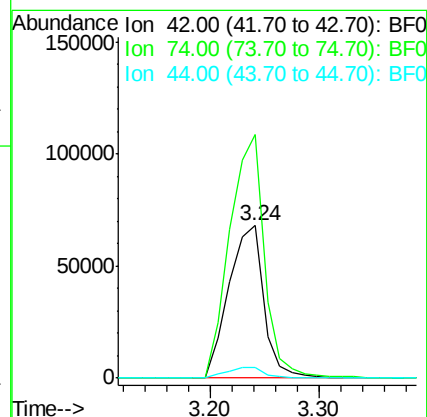
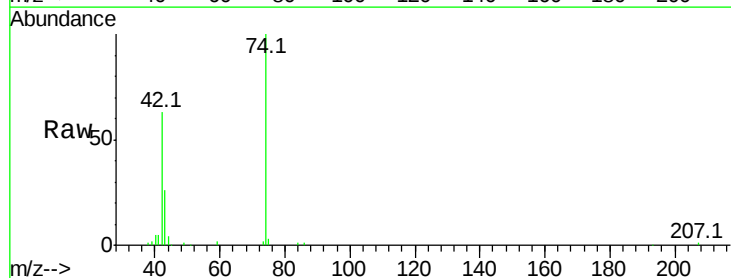
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 62.8  | 50.2  | 75.4  |
| 51  | 30.5  | 24.4  | 36.6  |

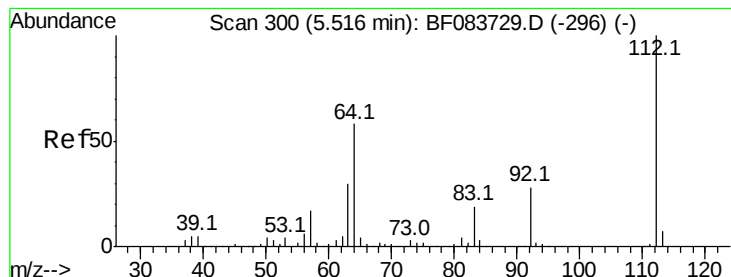


#4  
n-Nitrosodimethylamine  
Concen: 37.53 ng  
RT: 3.24 min Scan# 101  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion: 42 Resp: 150967  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 160.0 | 128.0 | 192.0 |
| 44  | 6.8   | 5.4   | 8.2   |





#5

2-Fluorophenol

Concen: 78.86 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

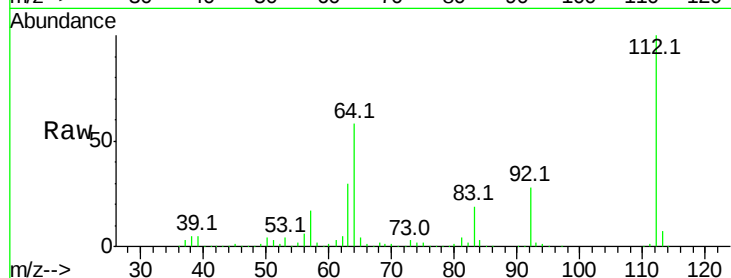
Tot Ion:112 Resp: 617374

Ion Ratio Lower Upper

112 100

64 57.6 46.1 69.1

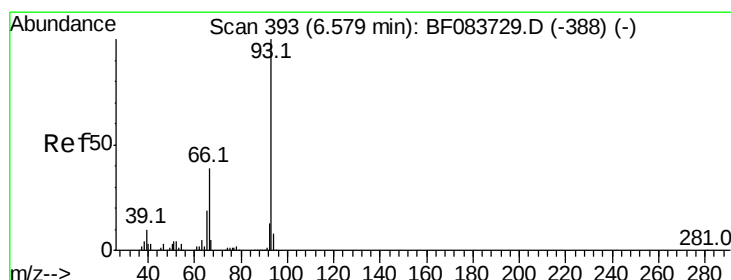
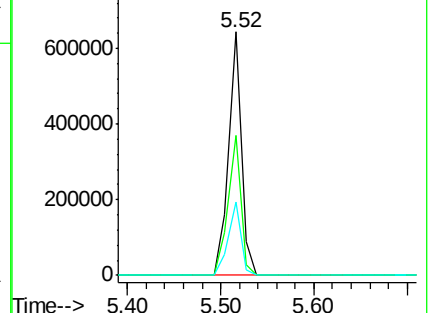
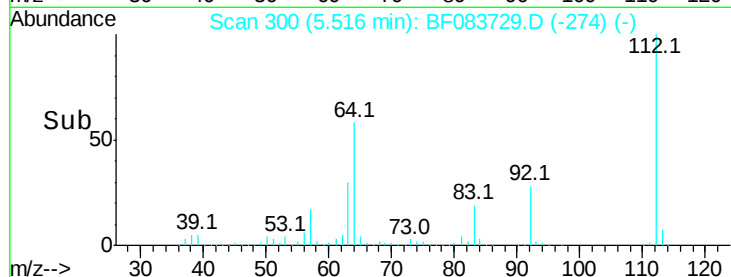
63 30.1 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 41.66 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

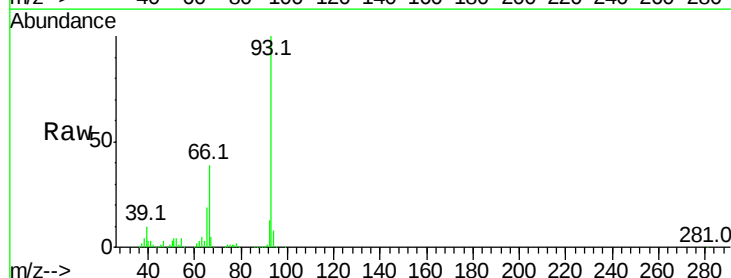
Tgt Ion: 93 Resp: 558866

Ion Ratio Lower Upper

93 100

66 39.0 31.2 46.8

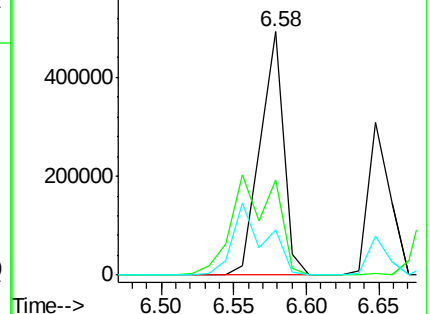
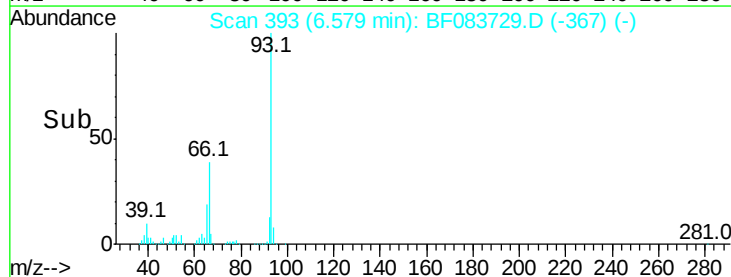
65 18.6 14.9 22.3

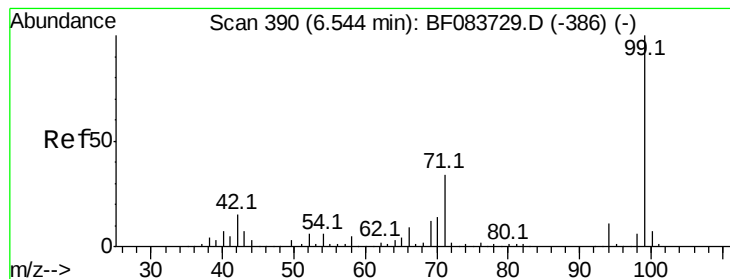


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 81.60 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampled :

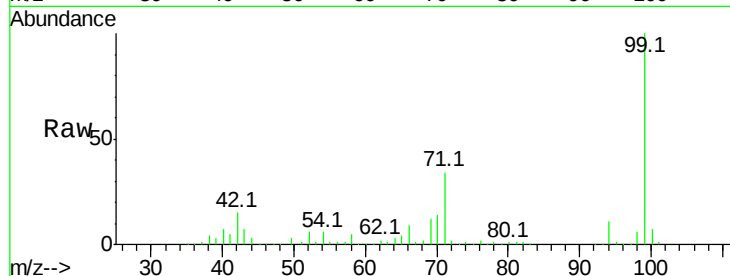
Tot Ion: 99 Resp: 802139

Ion Ratio Lower Upper

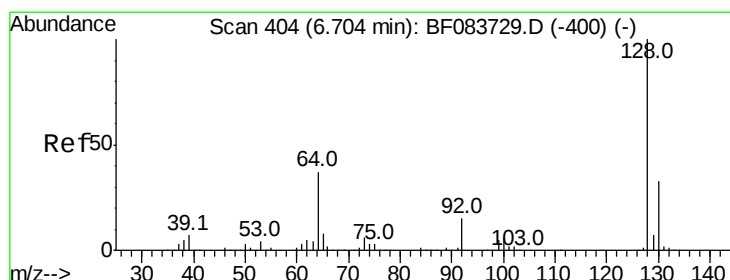
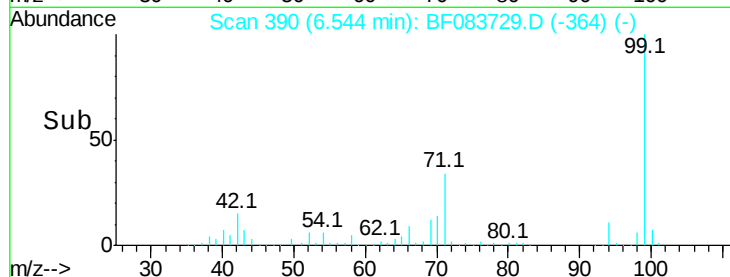
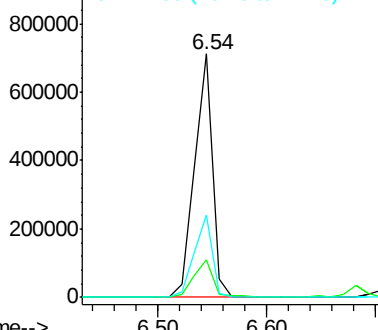
99 100

42 15.2 12.2 18.2

71 33.6 26.9 40.3



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: 45.19 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

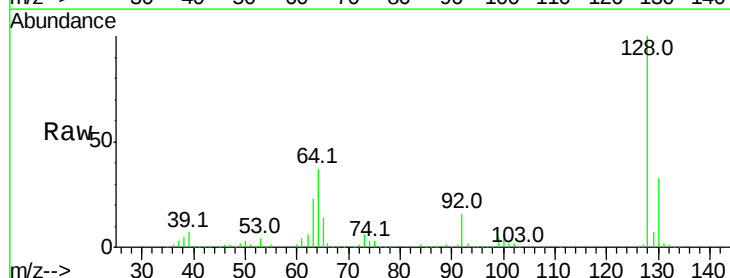
Tgt Ion:128 Resp: 397974

Ion Ratio Lower Upper

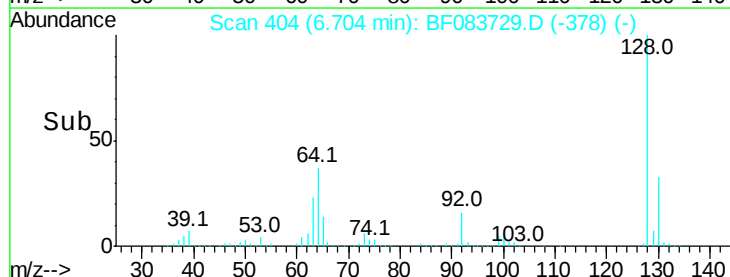
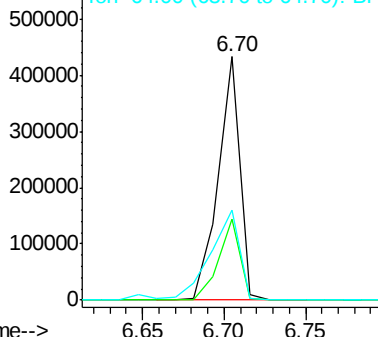
128 100

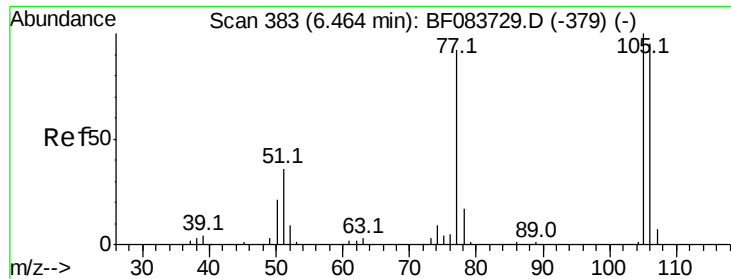
130 33.4 13.4 53.4

64 37.1 17.1 57.1



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

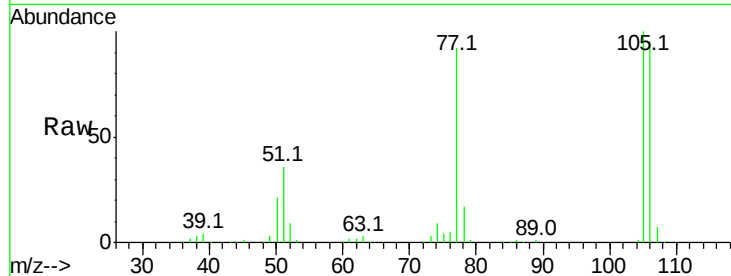




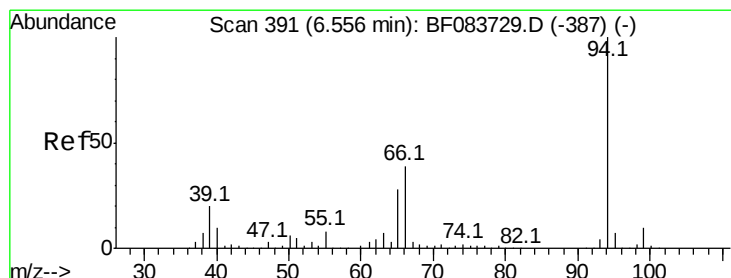
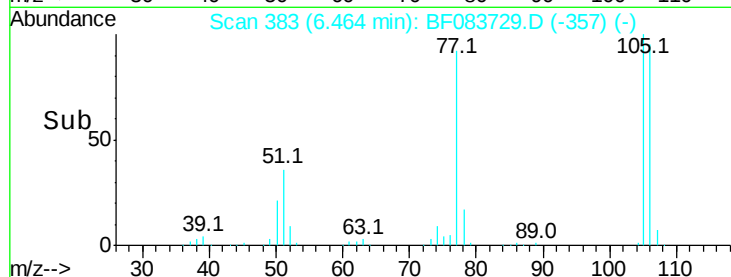
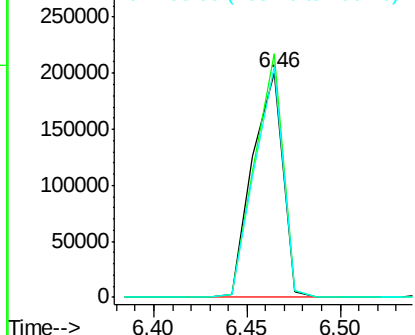
#9  
Benzaldehyde  
Concen: 42.44 ng  
RT: 6.46 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 229319  
Ion Ratio Lower Upper  
77 100  
105 108.5 88.5 128.5  
106 102.8 82.8 122.8

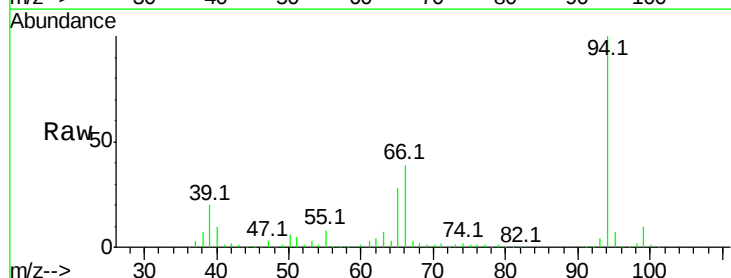


Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0

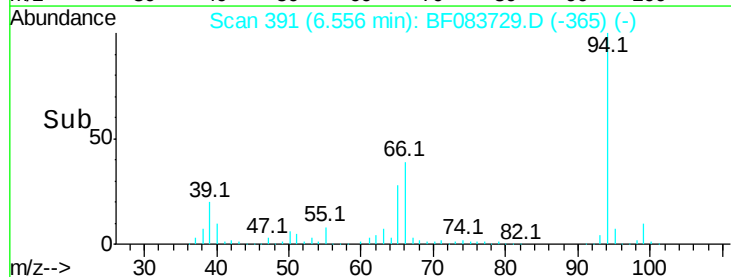
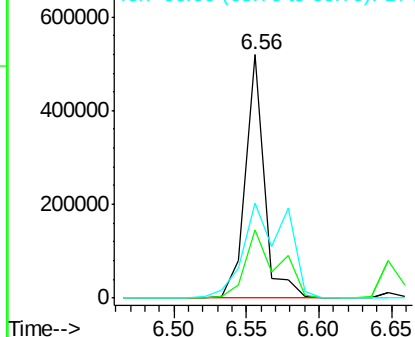


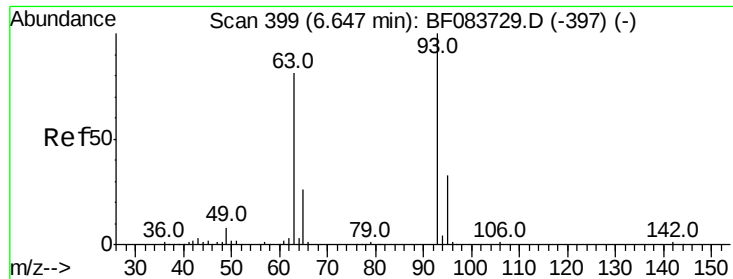
#10  
Phenol  
Concen: 40.84 ng  
RT: 6.56 min Scan# 391  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion: 94 Resp: 471346  
Ion Ratio Lower Upper  
94 100  
65 28.0 8.0 48.0  
66 39.1 19.1 59.1



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0

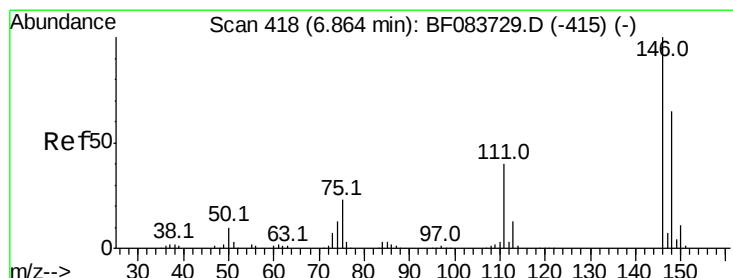
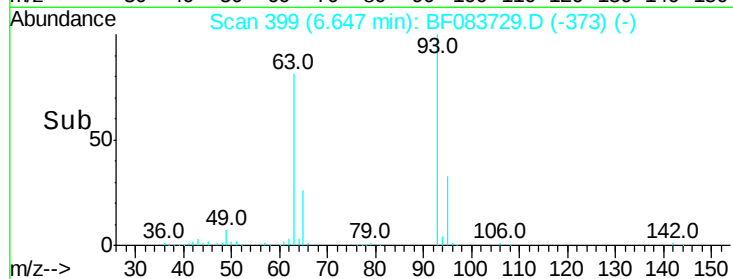
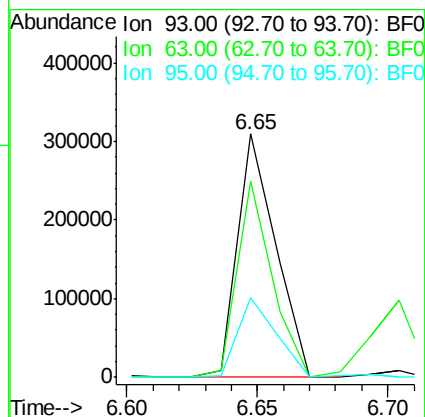
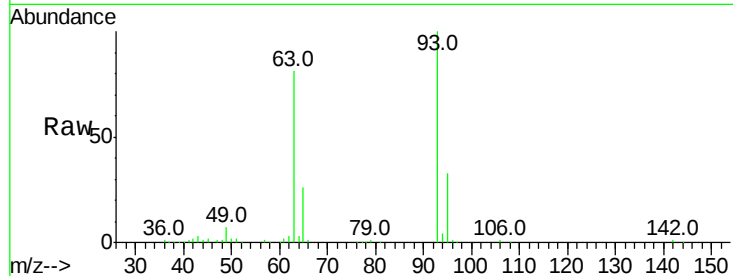




#11  
bis(2-Chloroethyl)ether  
Concen: 38.75 ng  
RT: 6.65 min Scan# 399  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

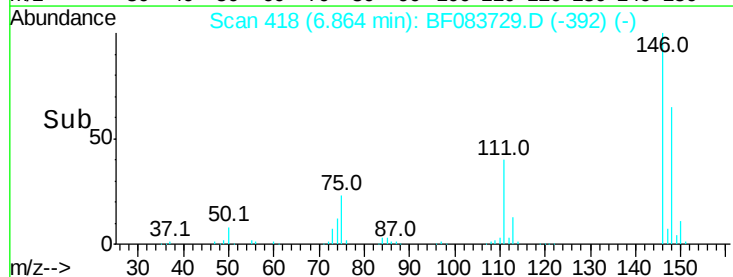
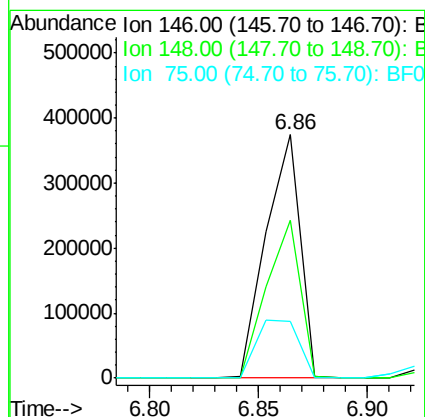
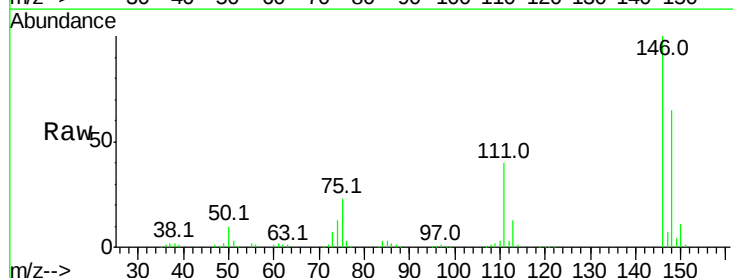
Instrument :  
BNA\_F  
ClientSampleId :

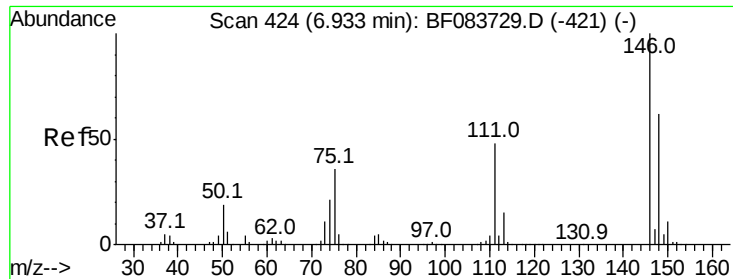
Tot Ion: 93 Resp: 316255  
Ion Ratio Lower Upper  
93 100  
63 80.7 60.7 100.7  
95 32.8 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 42.96 ng  
RT: 6.86 min Scan# 418  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion: 146 Resp: 414815  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.9 77.9  
75 23.5 18.8 28.2





#13

1,4-Dichlorobenzene

Concen: 40.86 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

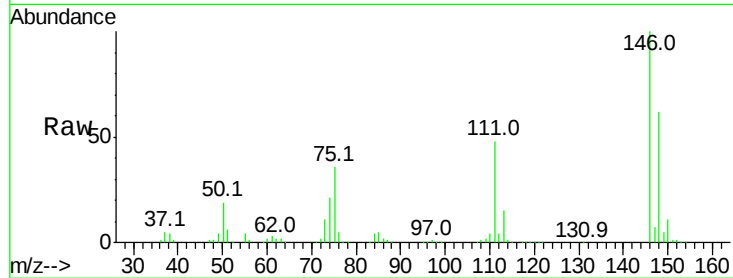
Tot Ion:146 Resp: 391554

Ion Ratio Lower Upper

146 100

148 62.5 50.0 75.0

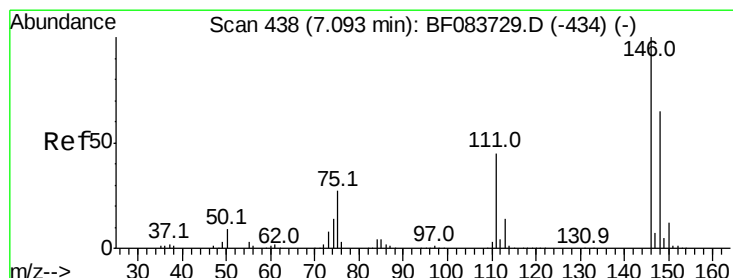
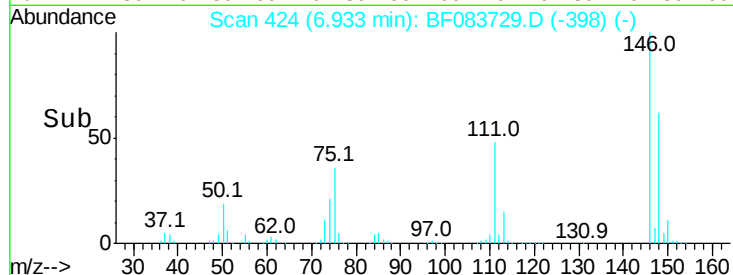
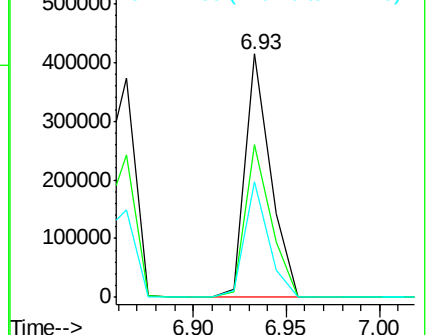
111 47.6 38.1 57.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.93 ng

RT: 7.09 min Scan# 438

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

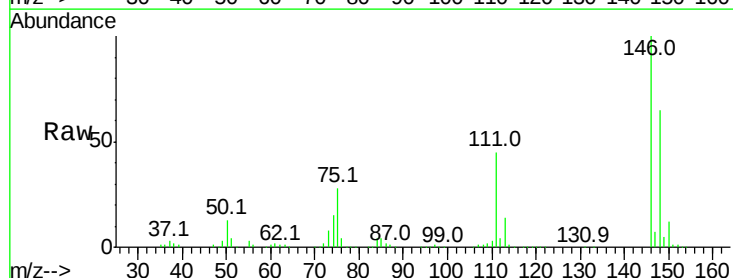
Tgt Ion:146 Resp: 385378

Ion Ratio Lower Upper

146 100

148 65.3 52.2 78.4

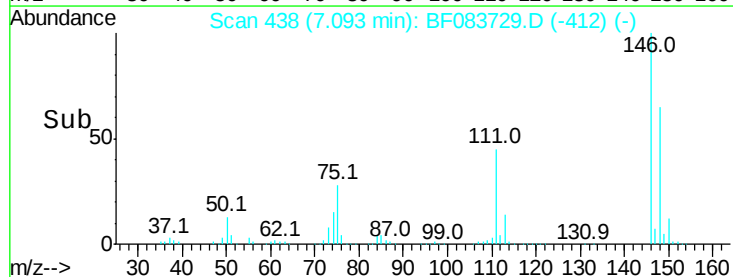
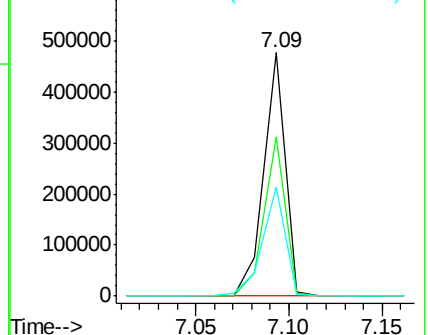
111 44.7 35.8 53.6

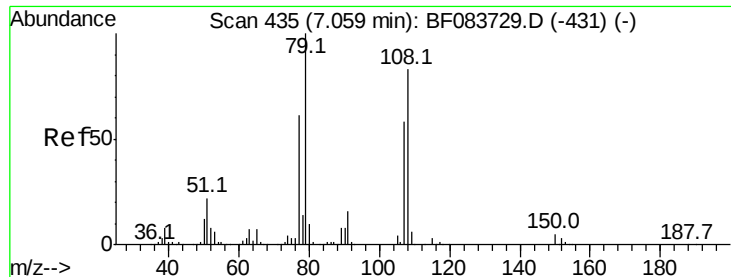


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 46.00 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

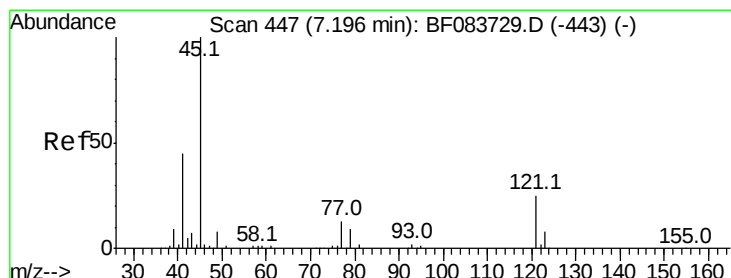
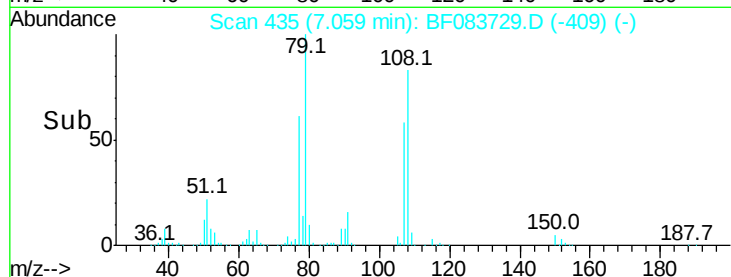
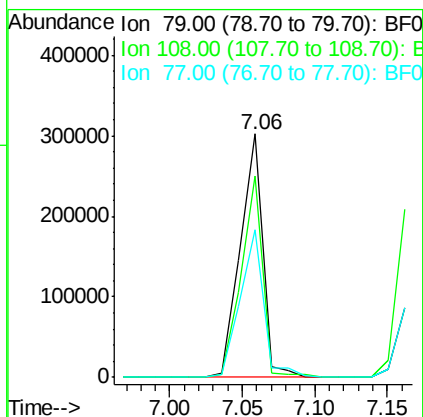
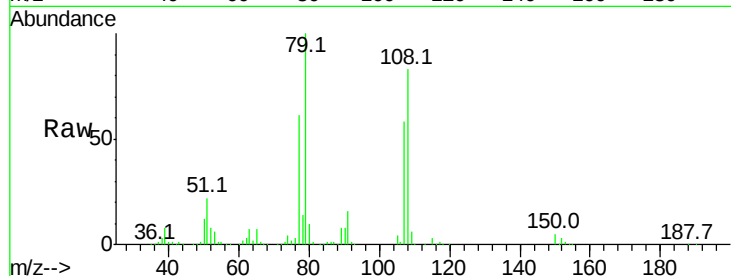
Tot Ion: 79 Resp: 325260

Ion Ratio Lower Upper

79 100

108 82.9 66.3 99.5

77 60.6 48.5 72.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.46 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

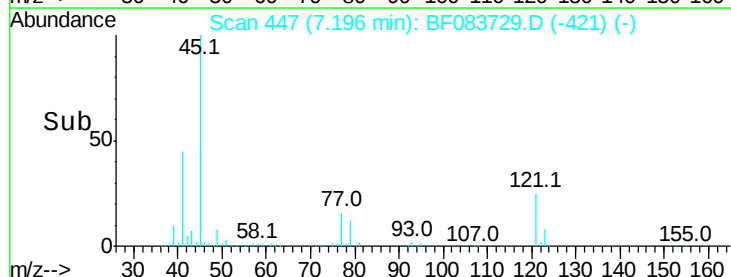
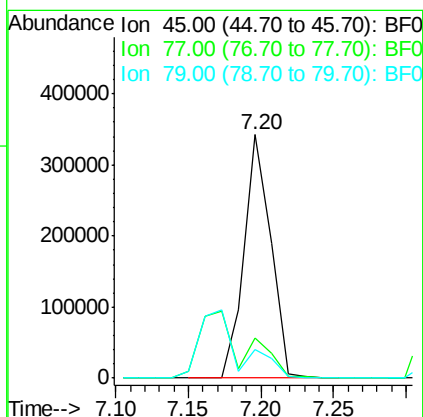
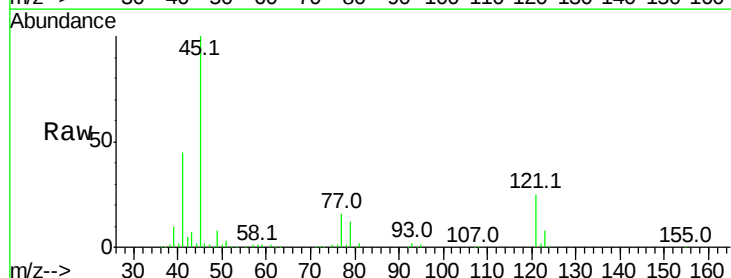
Tgt Ion: 45 Resp: 438359

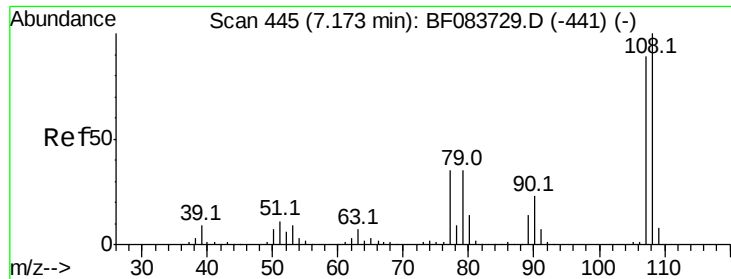
Ion Ratio Lower Upper

45 100

77 16.3 0.0 36.3

79 12.0 0.0 32.0

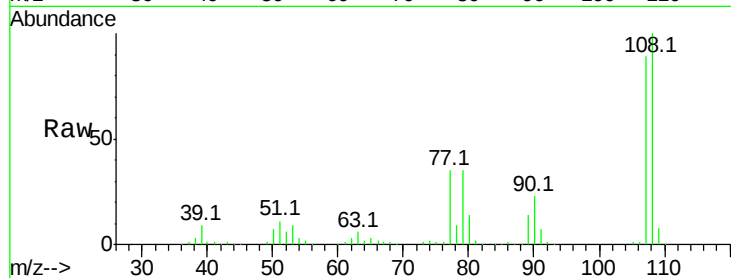




#17  
2-Methylphenol  
Concen: 44.09 ng  
RT: 7.17 min Scan# 445  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.9 | 89.5  | 134.3 |
| 77      | 38.7  | 31.0  | 46.4  |
| 79      | 39.3  | 31.4  | 47.2  |



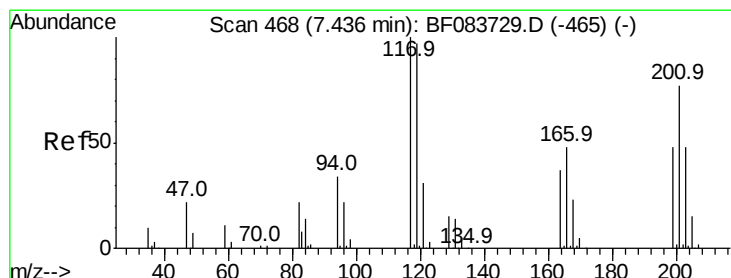
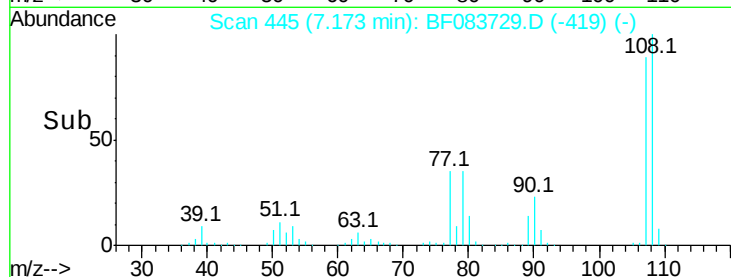
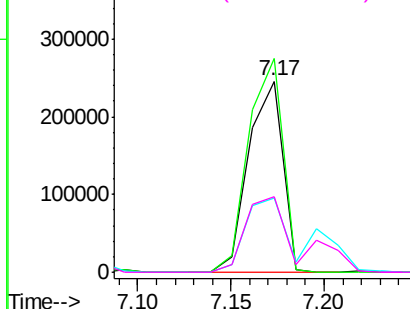
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

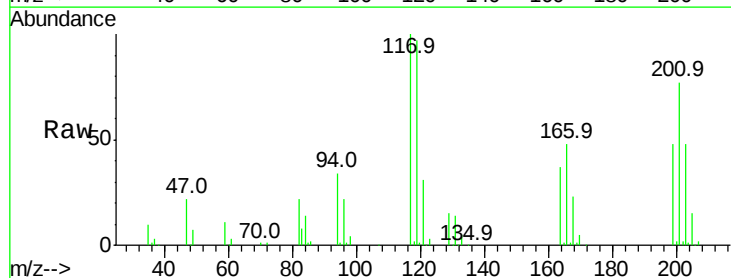
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18  
Hexachloroethane  
Concen: 43.89 ng  
RT: 7.44 min Scan# 468  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 77.4  | 116.0 |
| 201     | 76.6  | 61.3  | 91.9  |

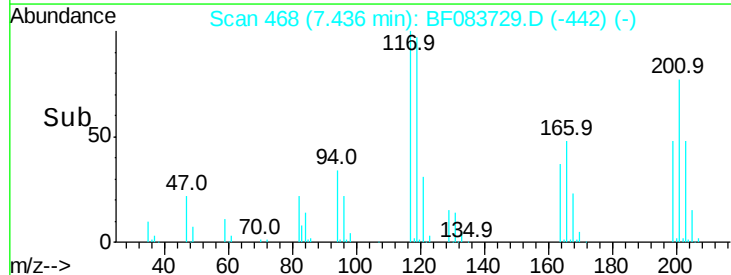
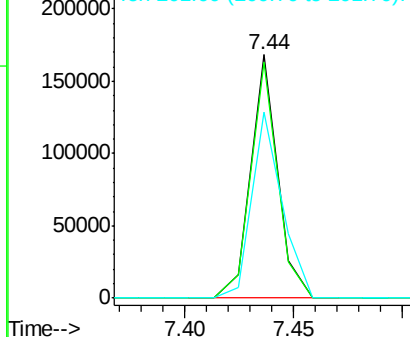


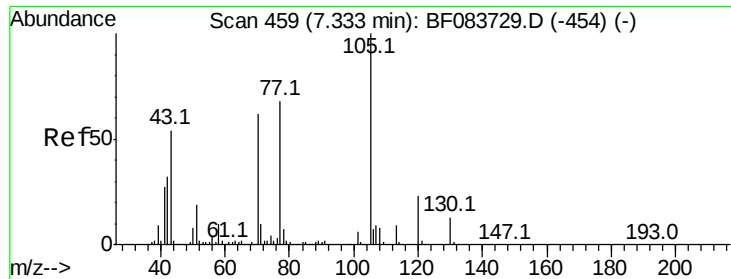
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

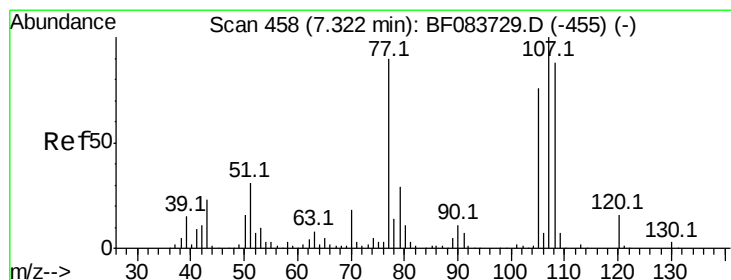
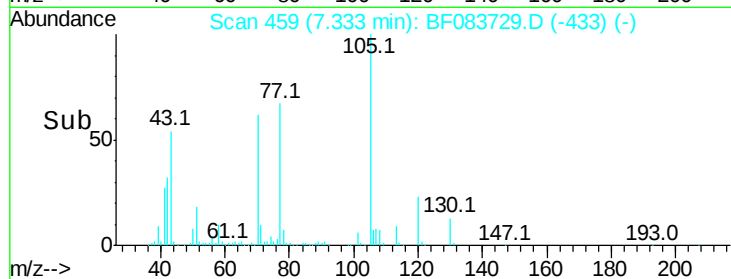
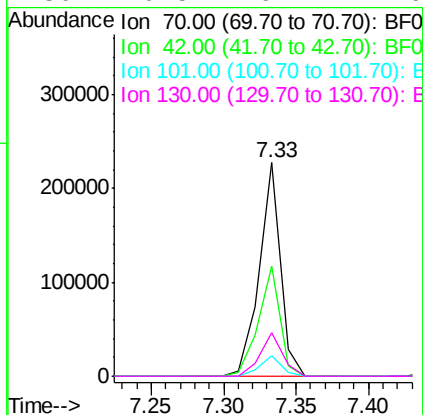
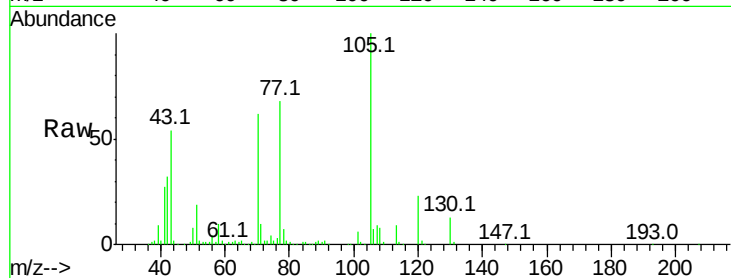




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.68 ng  
RT: 7.33 min Scan# 459  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

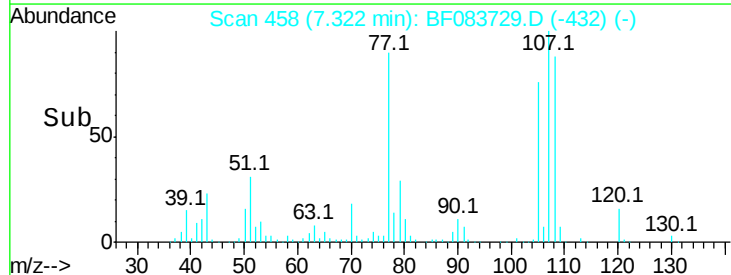
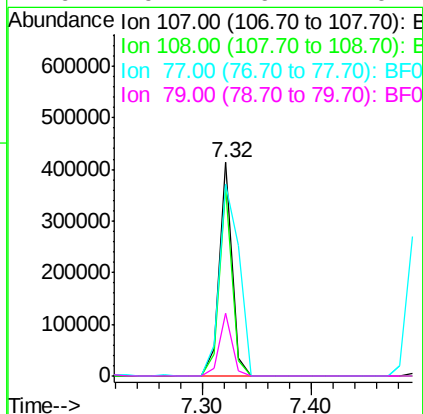
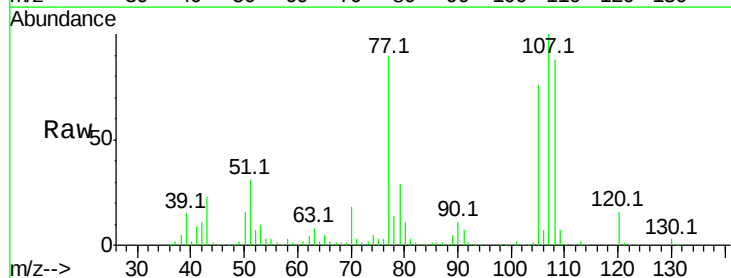
Instrument :  
BNA\_F  
ClientSampleId :

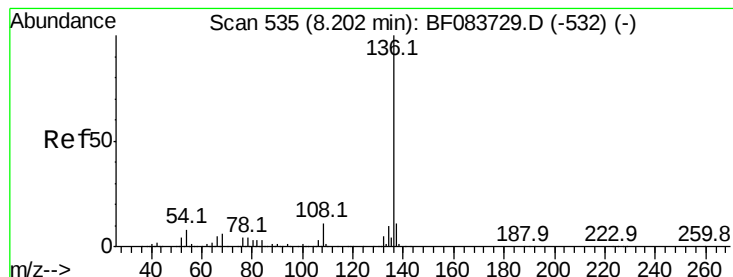
Tot Ion: 70 Resp: 229646  
Ion Ratio Lower Upper  
70 100  
42 51.8 41.4 62.2  
101 9.6 7.7 11.5  
130 20.5 16.4 24.6



#20  
3+4-Methylphenols  
Concen: 40.48 ng  
RT: 7.32 min Scan# 458  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion:107 Resp: 345199  
Ion Ratio Lower Upper  
107 100  
108 88.3 68.3 108.3  
77 89.9 69.9 109.9  
79 29.1 9.1 49.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 475956

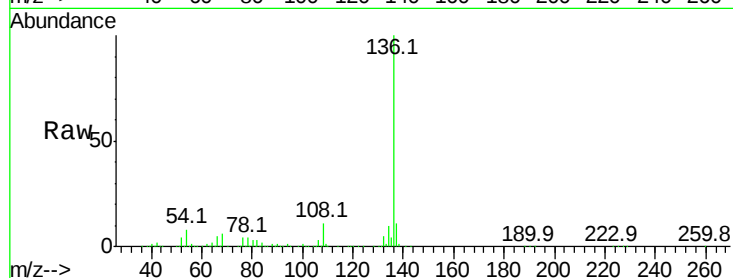
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.1 6.5 9.7

68 6.1 4.9 7.3

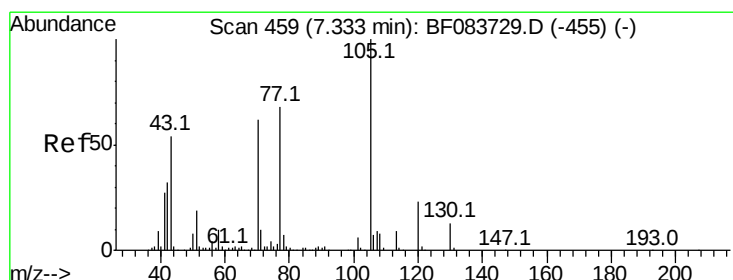
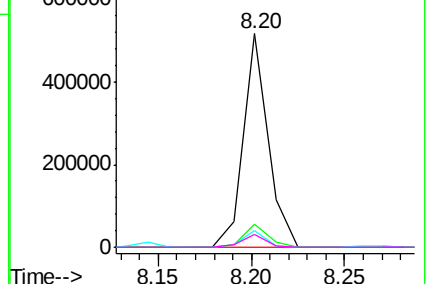
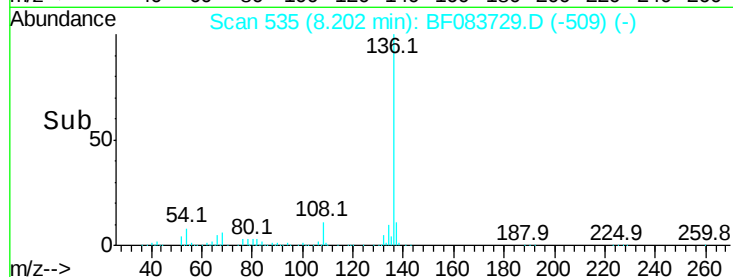


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.27 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Tgt Ion:105 Resp: 501658

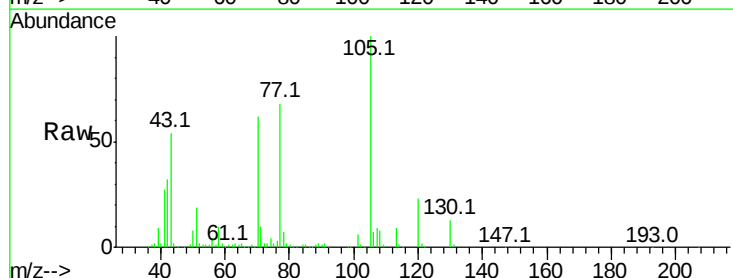
Ion Ratio Lower Upper

105 100

71 10.3 8.2 12.4

51 18.8 15.0 22.6

120 22.9 18.3 27.5

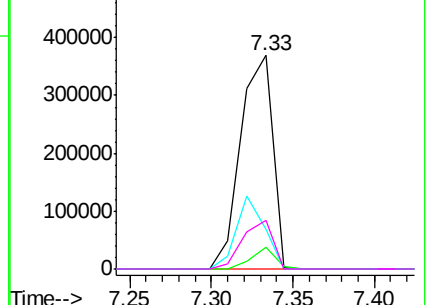
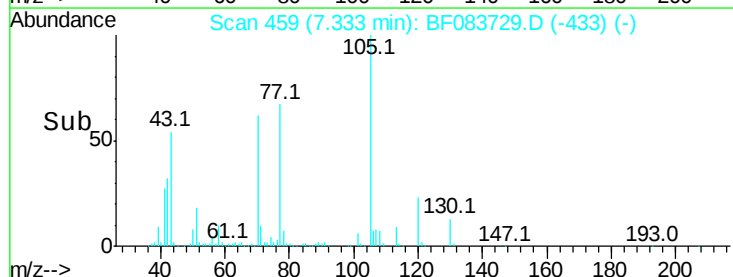


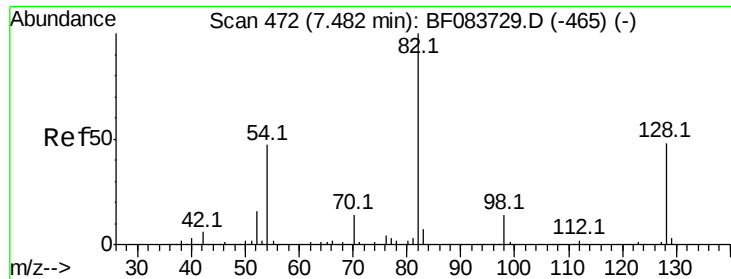
Abundance Ion 105.00 (104.70 to 105.70): E

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

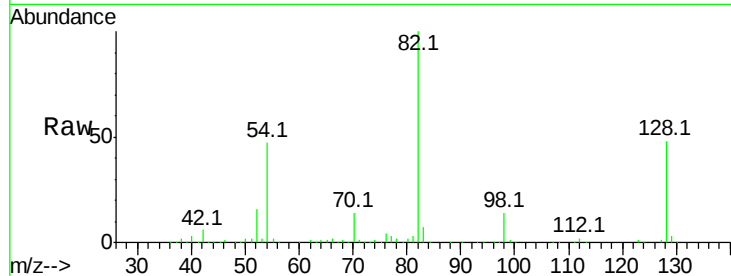




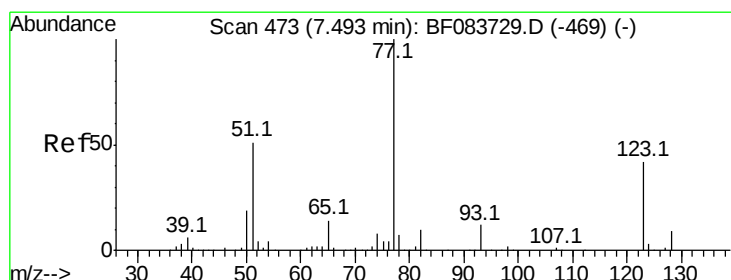
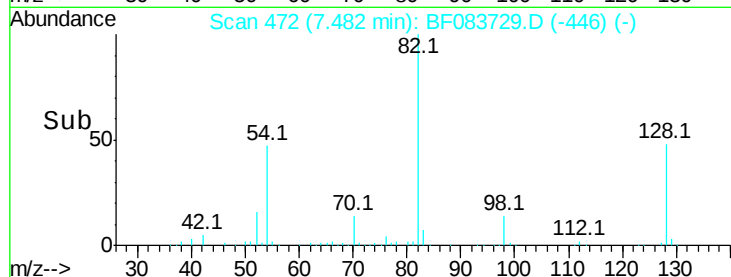
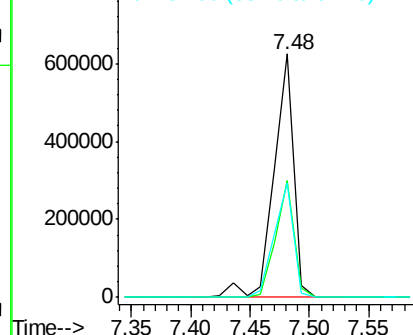
#23  
 Nitrobenzene-d5  
 Concen: 101.00 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleID :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.8  | 38.2  | 57.4  |
| 54      | 47.0  | 37.6  | 56.4  |

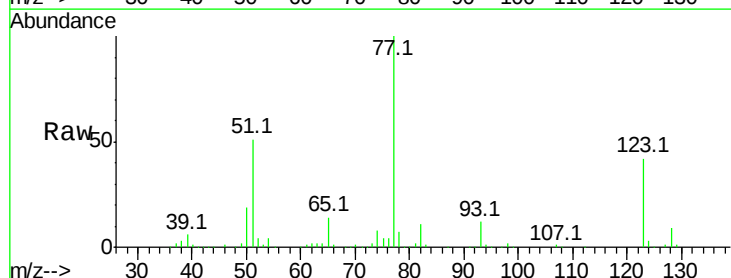


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

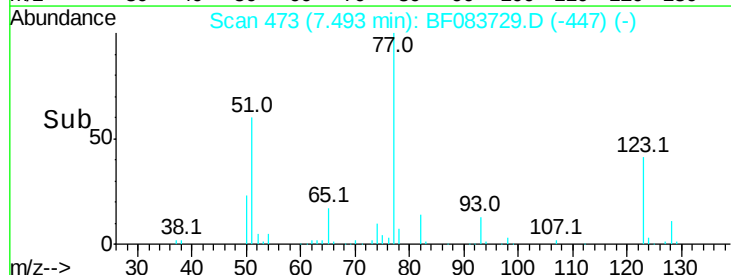
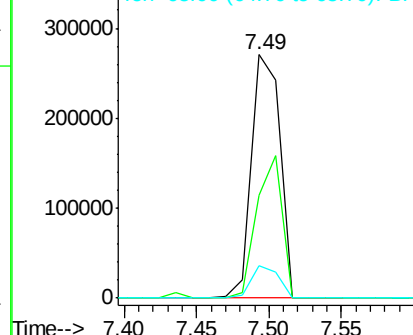


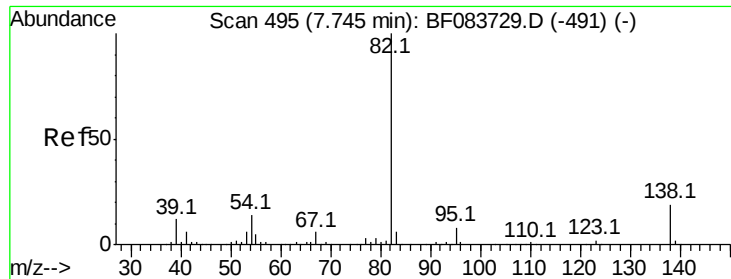
#24  
 Nitrobenzene  
 Concen: 46.30 ng  
 RT: 7.49 min Scan# 473  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 42.1  | 33.7  | 50.5  |
| 65      | 13.5  | 10.8  | 16.2  |



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 44.80 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

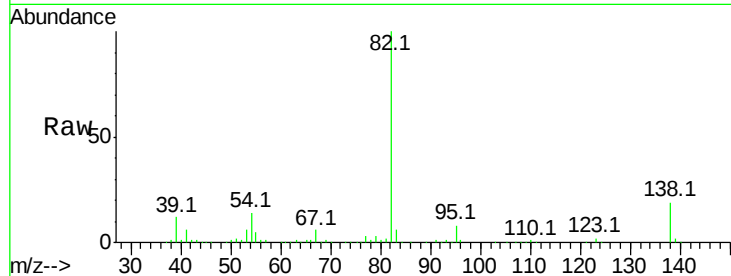
Tot Ion: 82 Resp: 716968

Ion Ratio Lower Upper

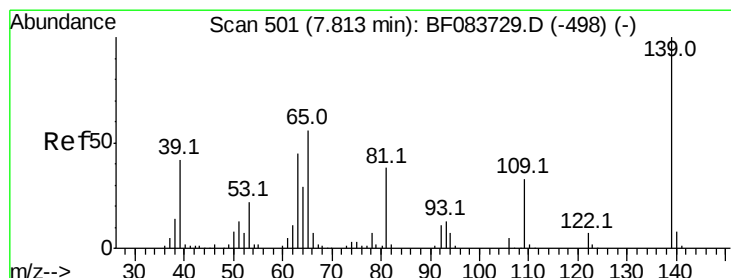
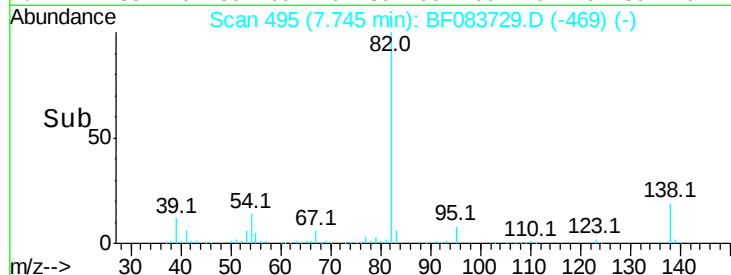
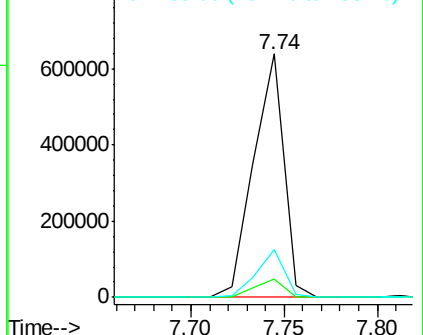
82 100

95 7.5 6.0 9.0

138 19.4 15.5 23.3



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 51.60 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

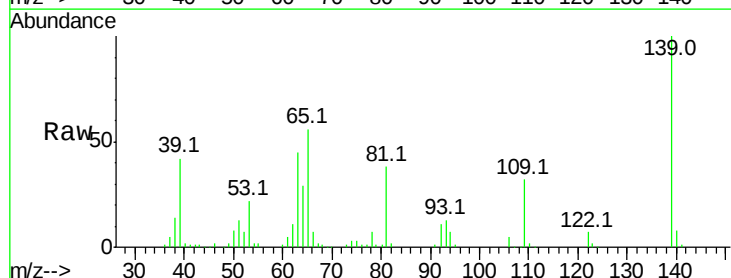
Tgt Ion: 139 Resp: 173894

Ion Ratio Lower Upper

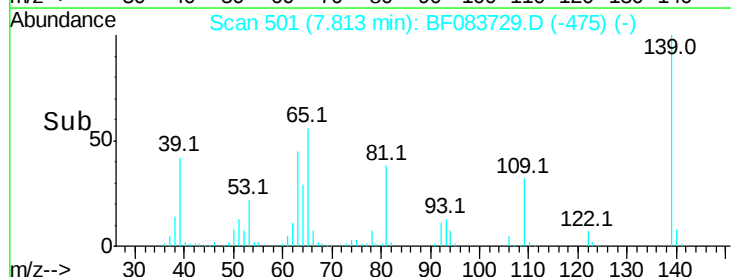
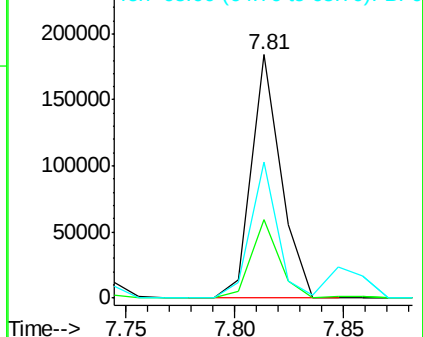
139 100

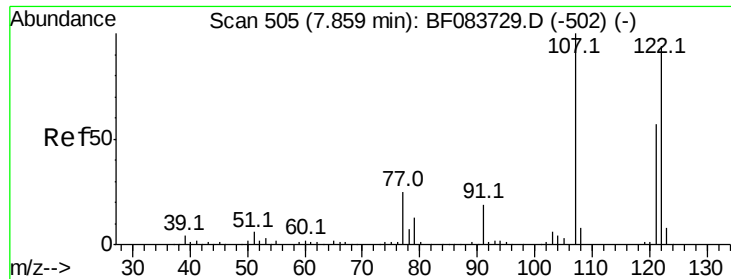
109 32.5 26.0 39.0

65 55.7 44.6 66.8



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

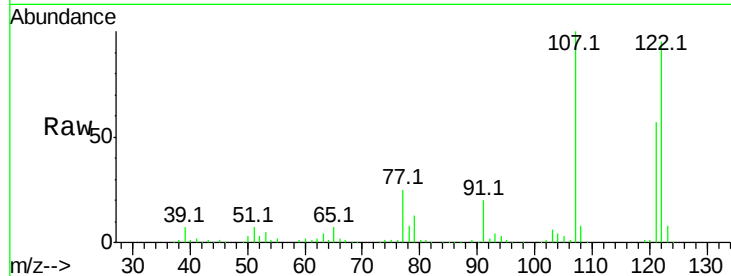




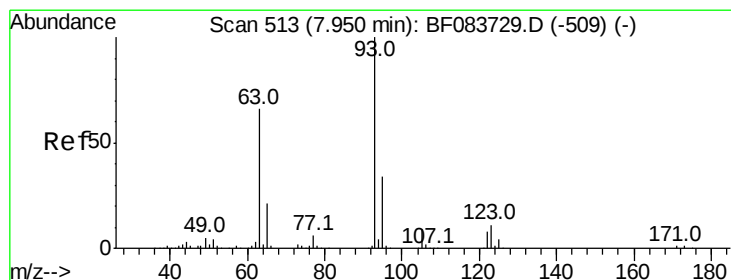
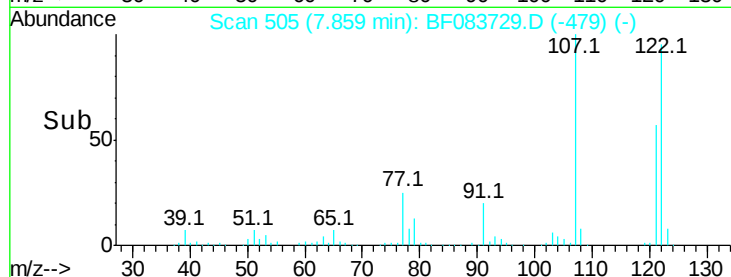
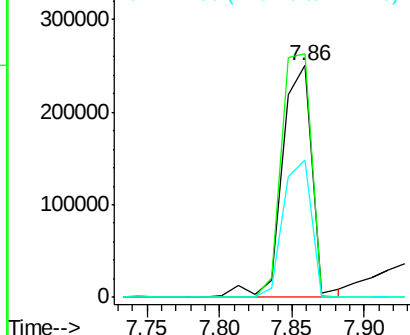
#27  
 2,4-Dimethylphenol  
 Concen: 44.50 ng  
 RT: 7.86 min Scan# 505  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:122 Resp: 354151  
 Ion Ratio Lower Upper  
 122 100  
 107 104.9 83.9 125.9  
 121 59.4 47.5 71.3

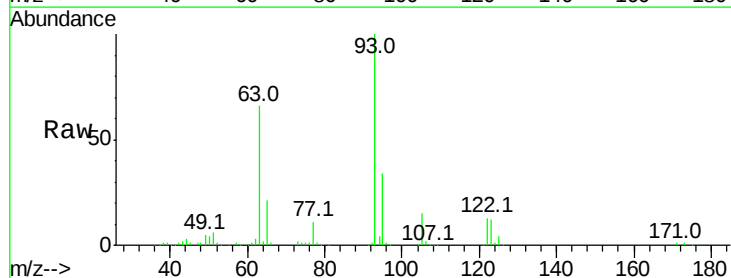


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

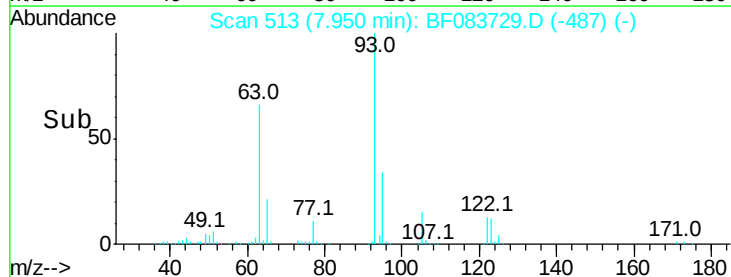
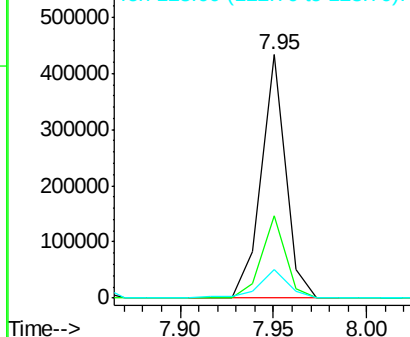


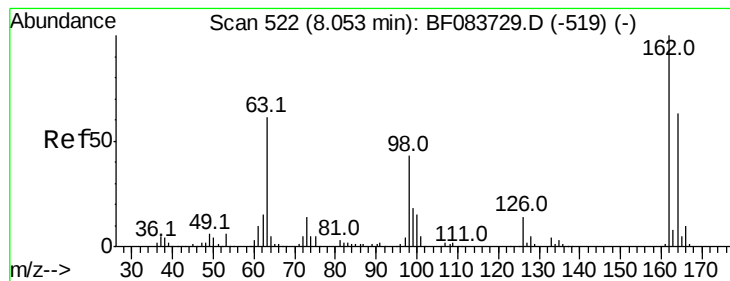
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.42 ng  
 RT: 7.95 min Scan# 513  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion: 93 Resp: 389379  
 Ion Ratio Lower Upper  
 93 100  
 95 33.6 26.9 40.3  
 123 11.6 9.3 13.9



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 44.09 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

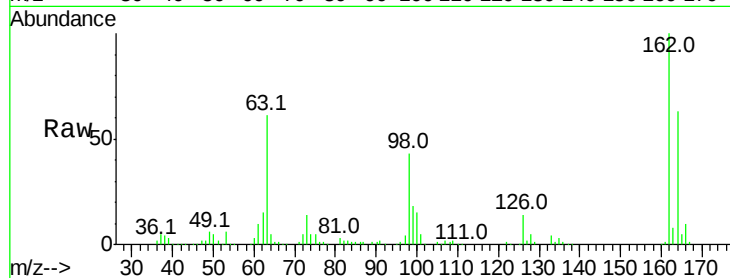
Tot Ion:162 Resp: 286617

Ion Ratio Lower Upper

162 100

164 62.8 42.8 82.8

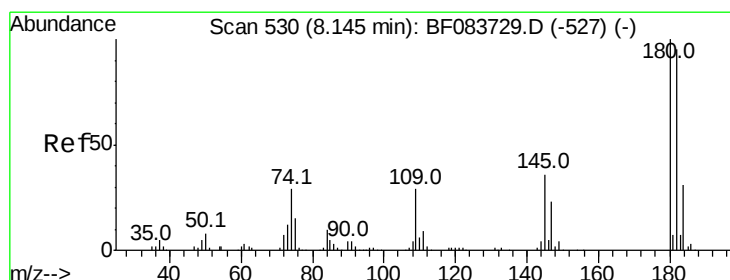
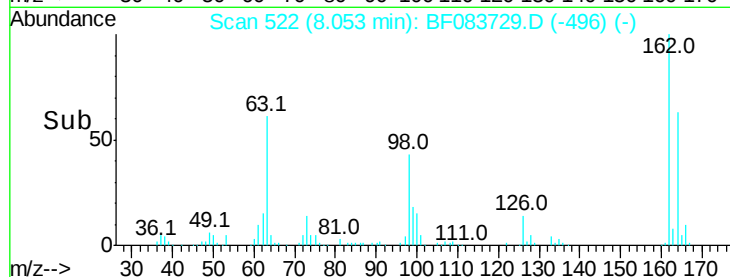
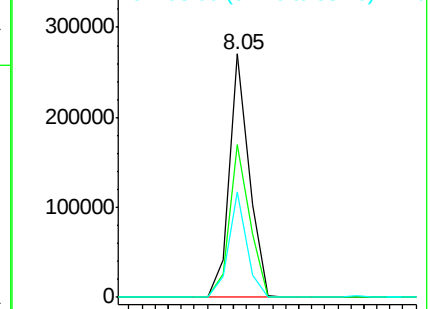
98 43.1 23.1 63.1



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: 41.20 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

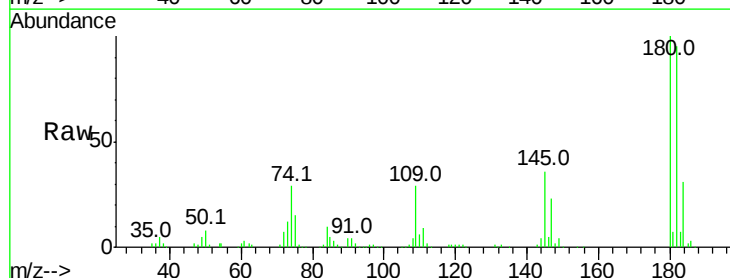
Tgt Ion:180 Resp: 294749

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

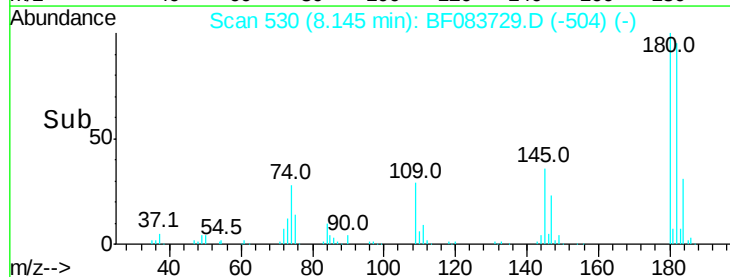
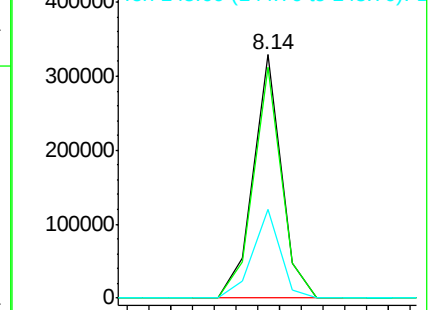
145 36.3 29.0 43.6

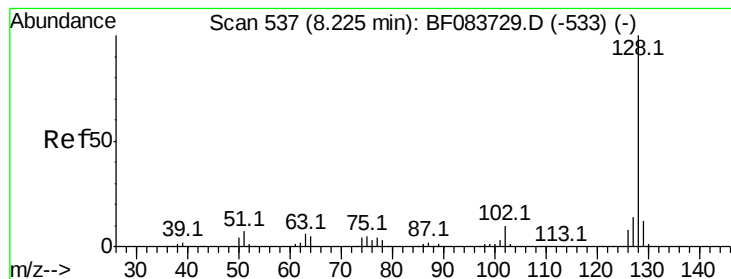


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.51 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

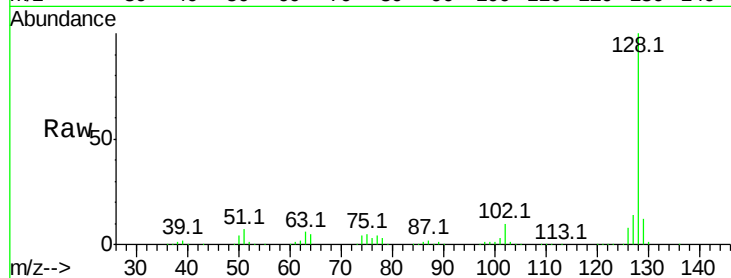
Tot Ion:128 Resp: 1026741

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.0

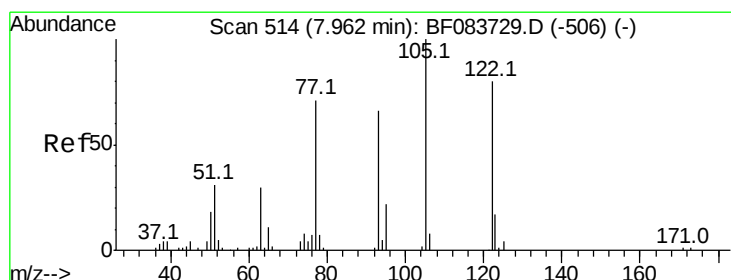
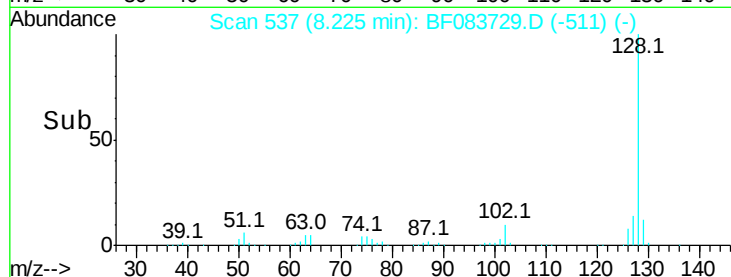
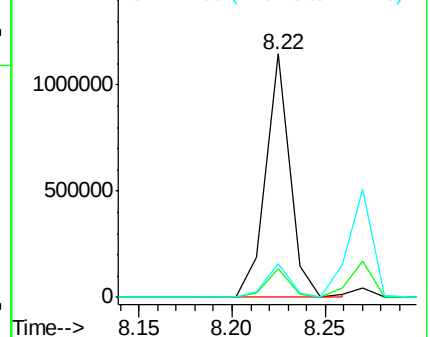
127 13.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 49.21 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

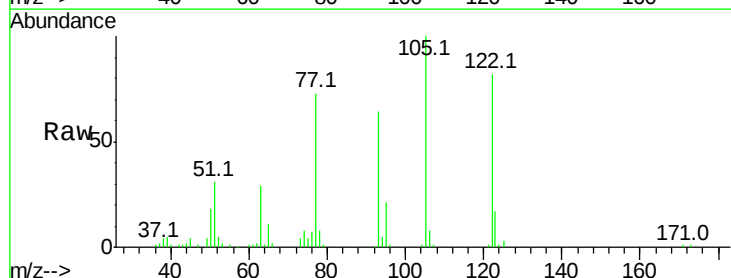
Tgt Ion:122 Resp: 220973

Ion Ratio Lower Upper

122 100

105 122.6 102.6 142.6

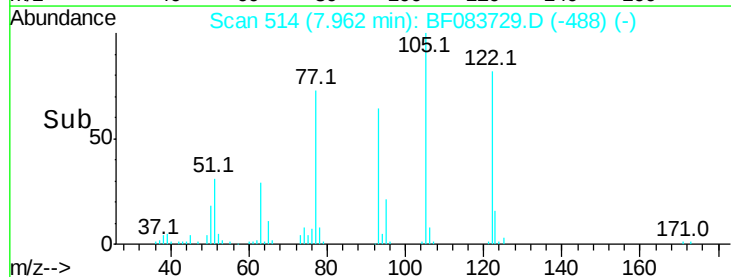
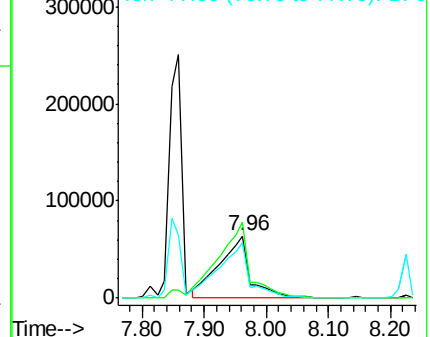
77 89.1 69.1 109.1

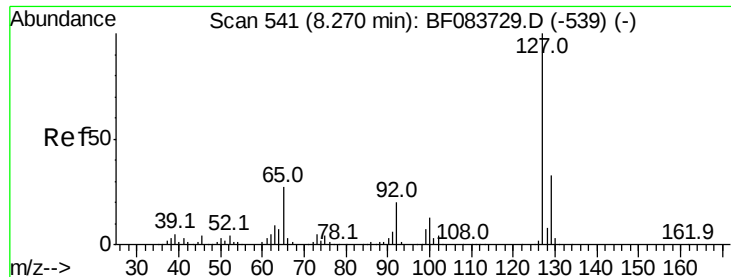


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

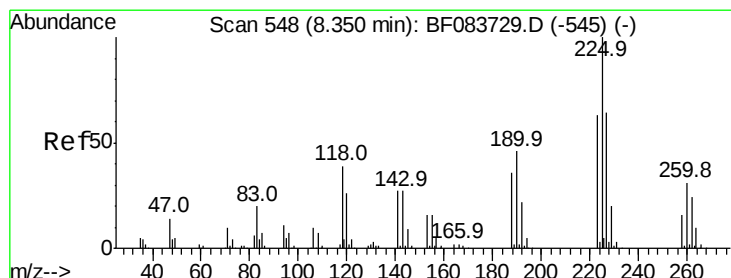
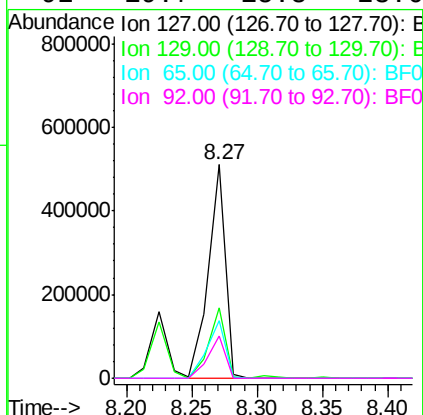
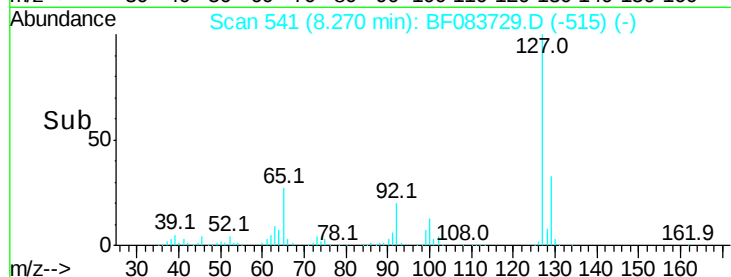
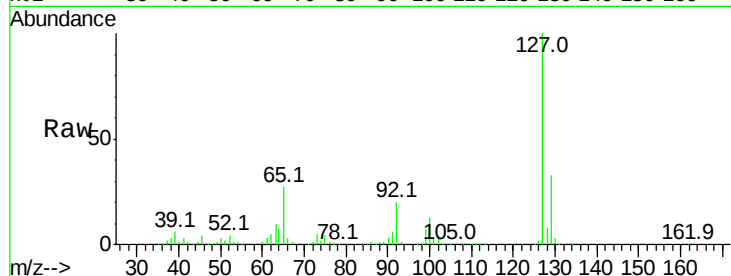




#33  
4-Chloroaniline  
Concen: 46.13 ng  
RT: 8.27 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

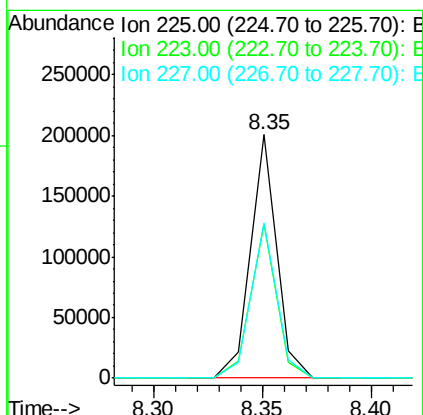
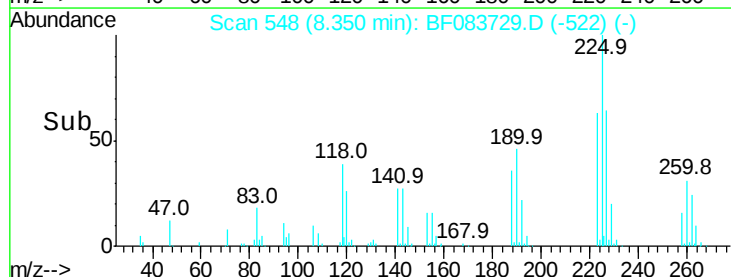
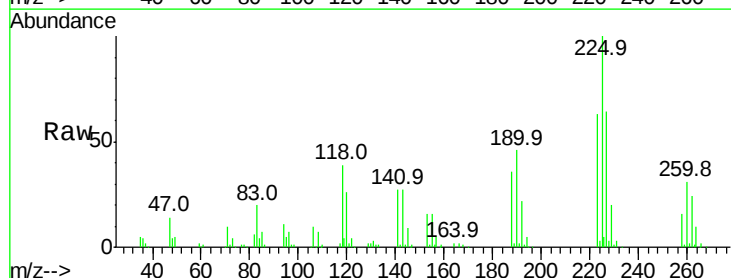
Instrument :  
BNA\_F  
ClientSampleId :

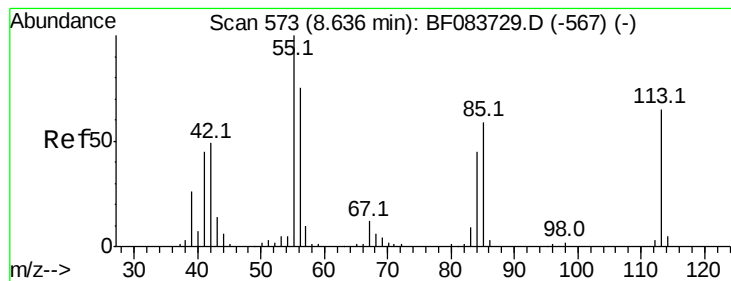
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 464490 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.2  | 26.6  | 39.8   |
| 65       | 27.1  | 21.7  | 32.5   |
| 92       | 19.7  | 15.8  | 23.6   |



#34  
Hexachlorobutadiene  
Concen: 41.93 ng  
RT: 8.35 min Scan# 548  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 167618 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 50.6  | 75.8   |
| 227      | 63.5  | 50.8  | 76.2   |





#35

Caprolactam

Concen: 43.93 ng

RT: 8.64 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

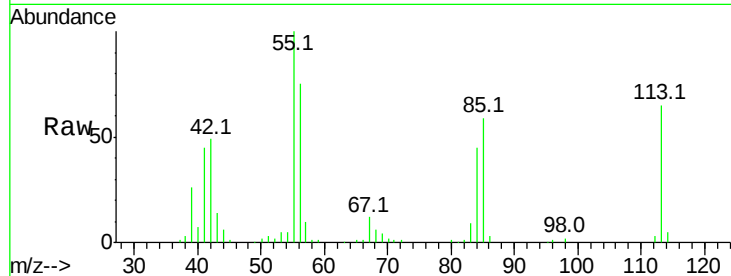
Tot Ion:113 Resp: 93262

Ion Ratio Lower Upper

113 100

55 153.7 133.7 173.7

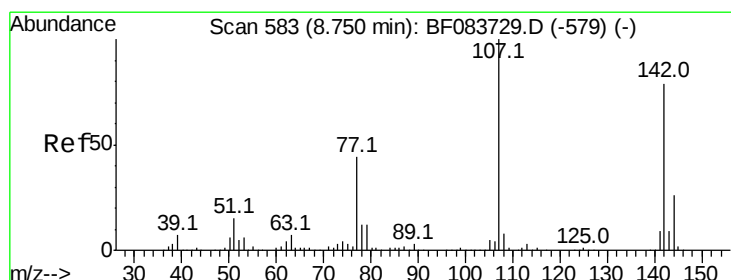
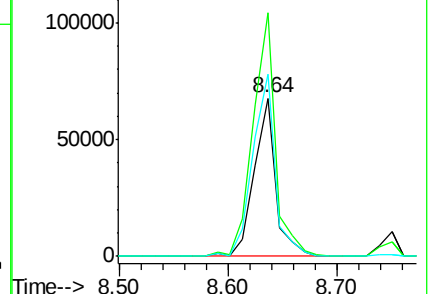
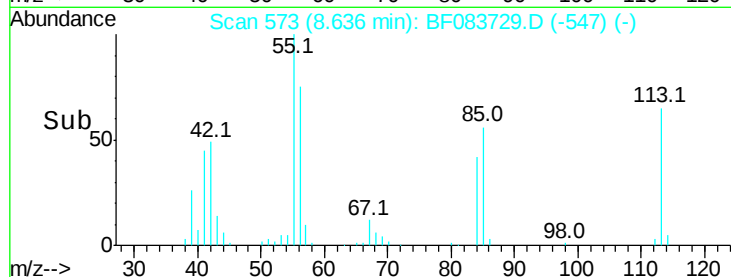
56 115.4 95.4 135.4



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: 49.22 ng

RT: 8.75 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

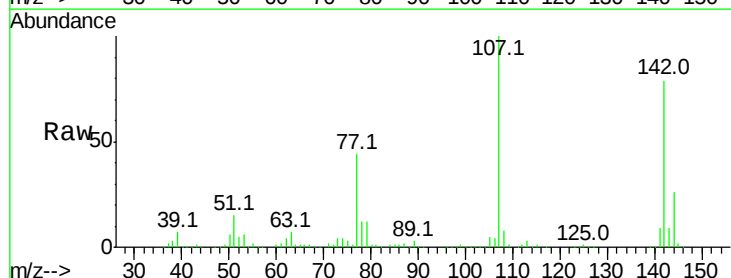
Tgt Ion:107 Resp: 363430

Ion Ratio Lower Upper

107 100

144 25.6 20.5 30.7

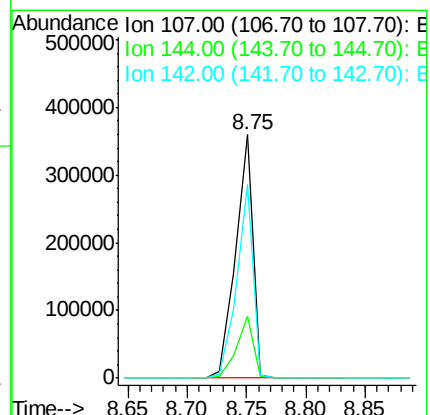
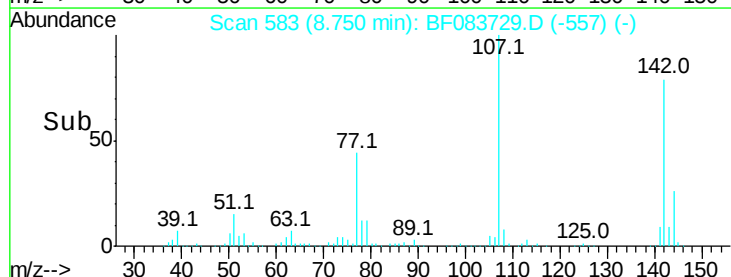
142 79.3 63.4 95.2

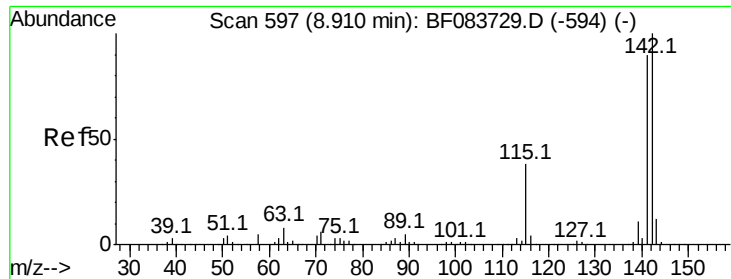


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

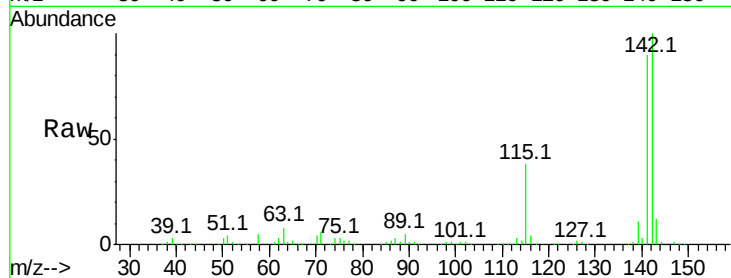




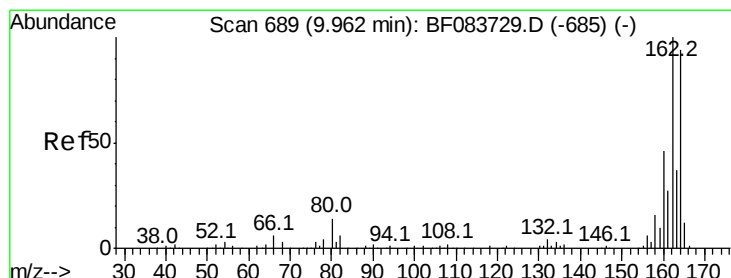
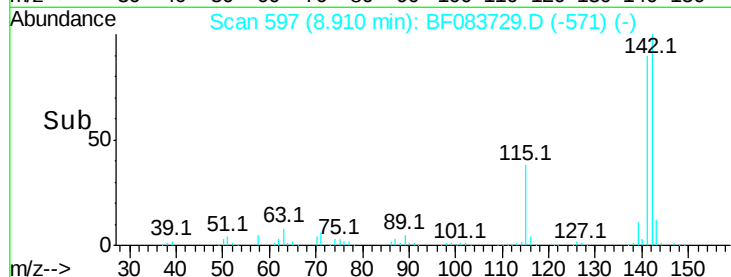
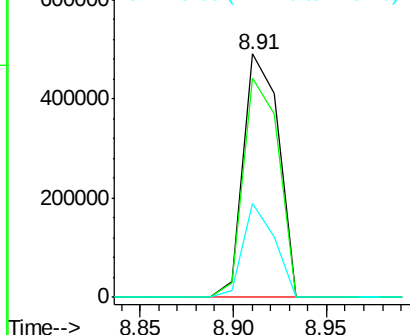
#37  
2-Methylnaphthalene  
Concen: 42.64 ng  
RT: 8.91 min Scan# 597  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 641564  
Ion Ratio Lower Upper  
142 100  
141 90.0 72.0 108.0  
115 38.5 30.8 46.2

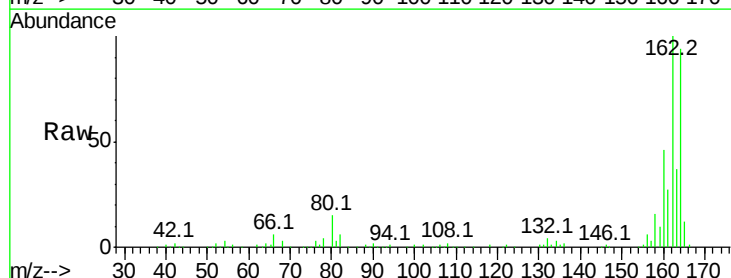


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

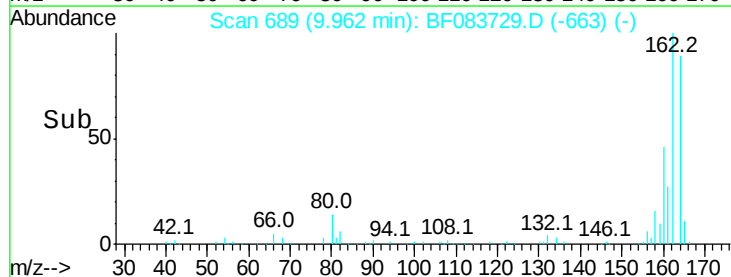
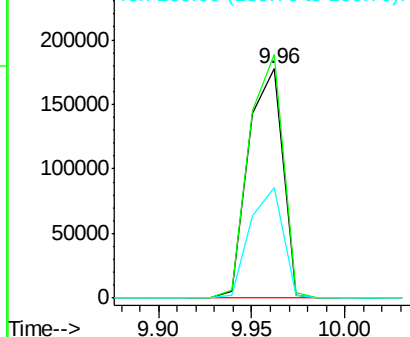


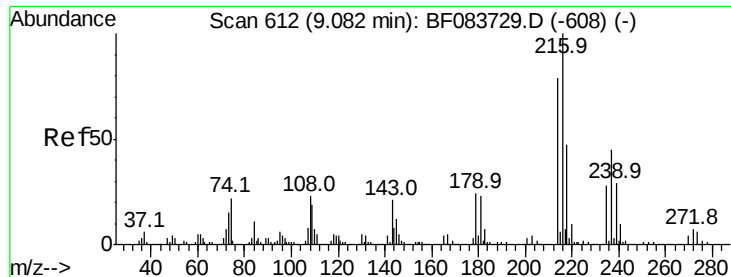
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.96 min Scan# 689  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion:164 Resp: 225208  
Ion Ratio Lower Upper  
164 100  
162 106.2 85.0 127.4  
160 48.4 38.7 58.1



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.95 ng

RT: 9.08 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampled :

Tot Ion:216 Resp: 267981

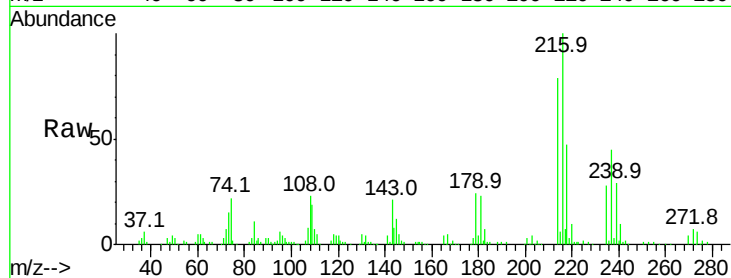
Ion Ratio Lower Upper

216 100

214 78.2 62.6 93.8

179 22.8 18.2 27.4

108 23.3 18.6 28.0

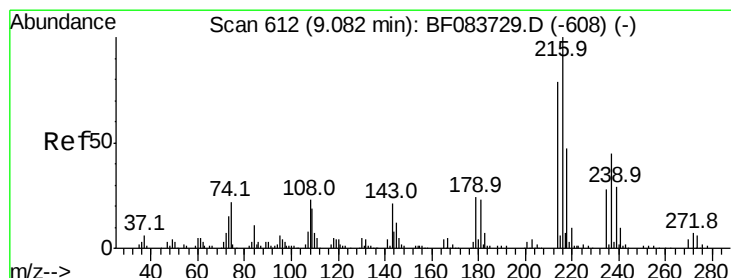
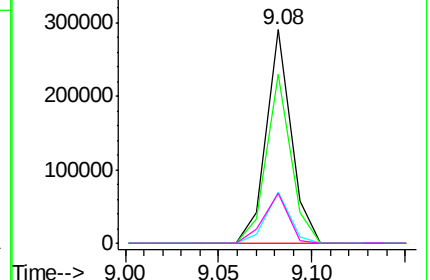
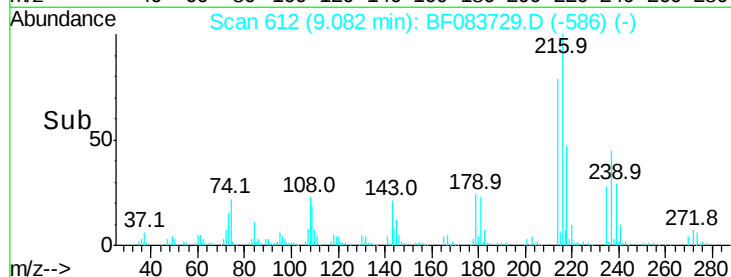


Abundance Ion 216.00 (215.70 to 216.70): E

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: 45.39 ng

RT: 9.08 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

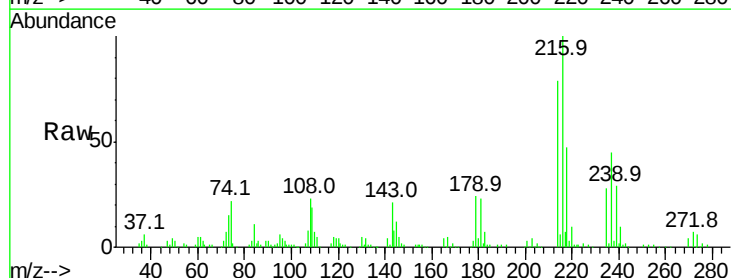
Tgt Ion:237 Resp: 152643

Ion Ratio Lower Upper

237 100

235 61.8 41.8 81.8

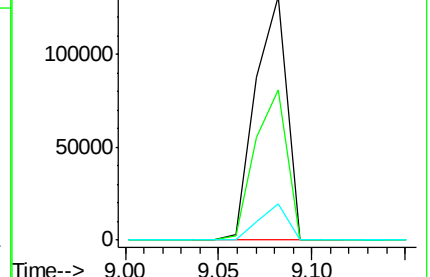
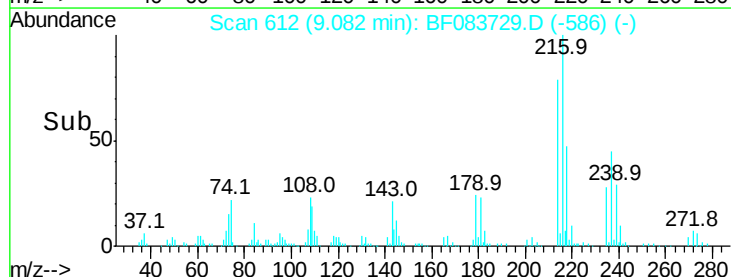
272 14.9 0.0 34.9

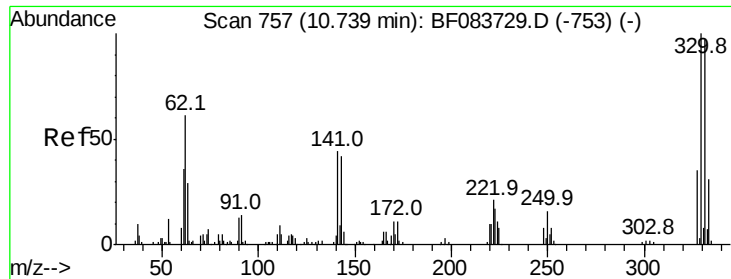


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

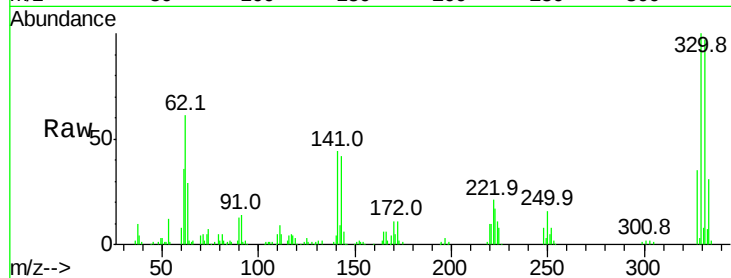




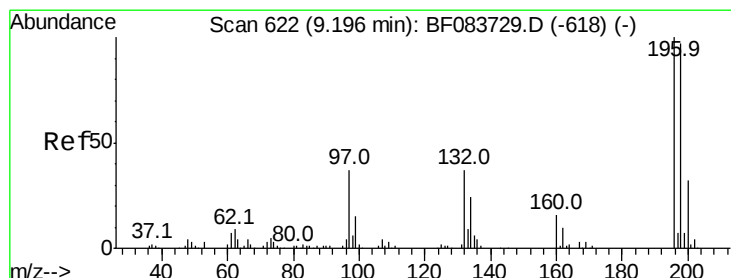
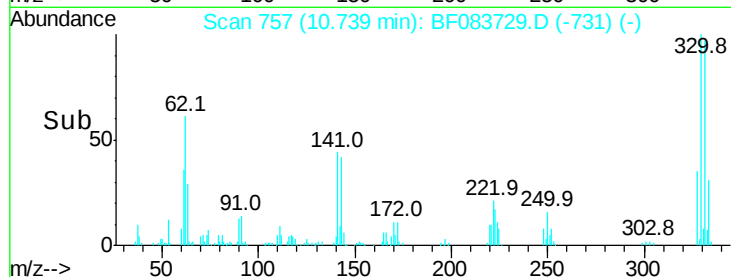
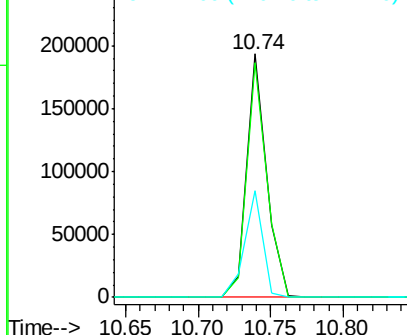
#41  
 2,4,6-Tribromophenol  
 Concen: 86.08 ng  
 RT: 10.74 min Scan# 757  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 184574  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 78.0 117.0  
 141 39.9 31.9 47.9

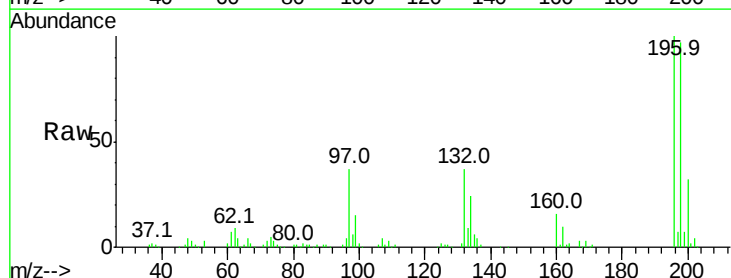


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

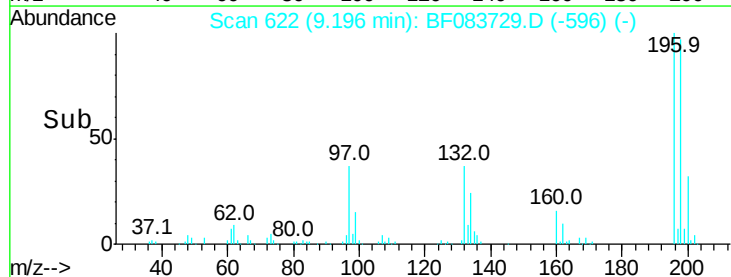
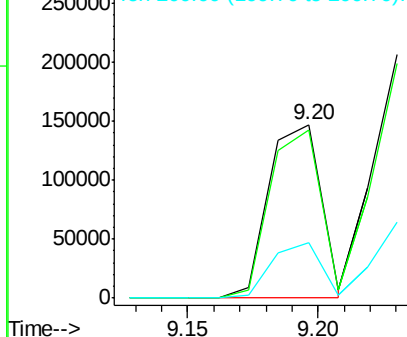


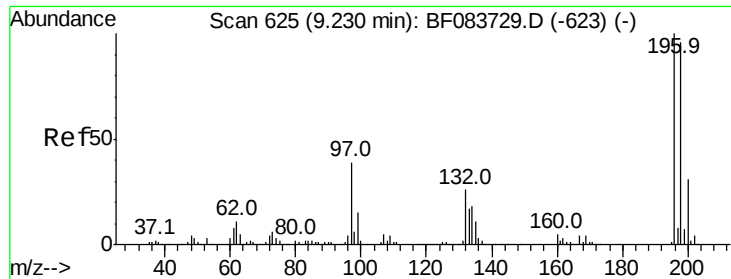
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.45 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:196 Resp: 202832  
 Ion Ratio Lower Upper  
 196 100  
 198 97.2 77.8 116.6  
 200 32.0 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

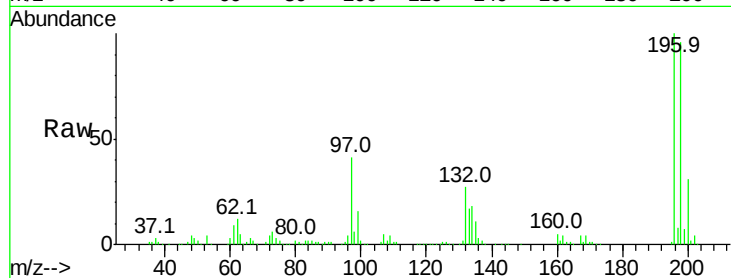




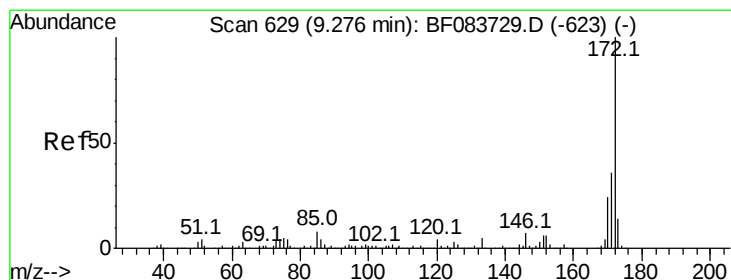
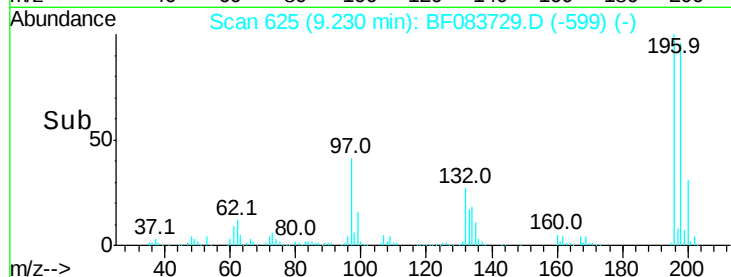
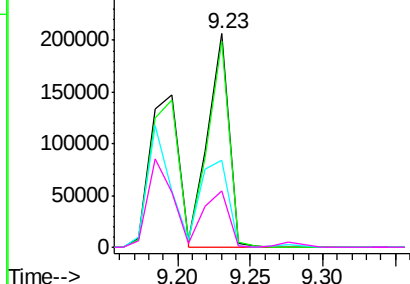
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.37 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 210112 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 96.4  | 77.1  | 115.7  |
| 97       | 41.0  | 32.8  | 49.2   |
| 132      | 26.6  | 21.3  | 31.9   |

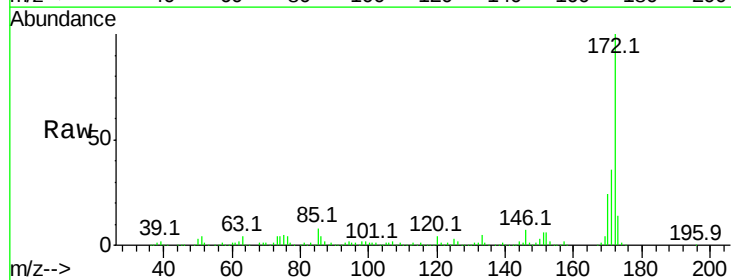


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

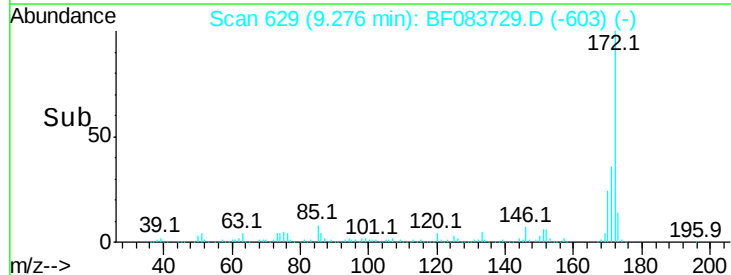
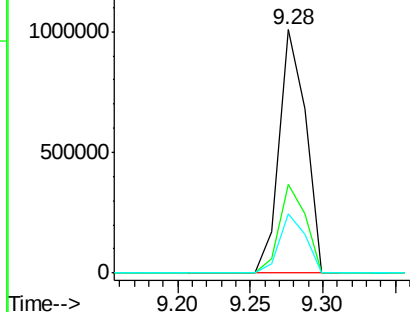


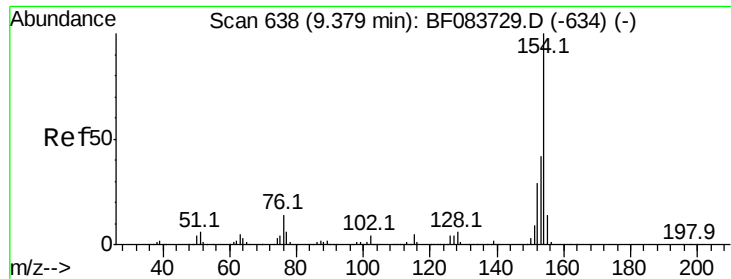
#44  
 2-Fluorobiphenyl  
 Concen: 82.94 ng  
 RT: 9.28 min Scan# 629  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1278926 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.3  | 29.0  | 43.6    |
| 170      | 24.3  | 19.4  | 29.2    |



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

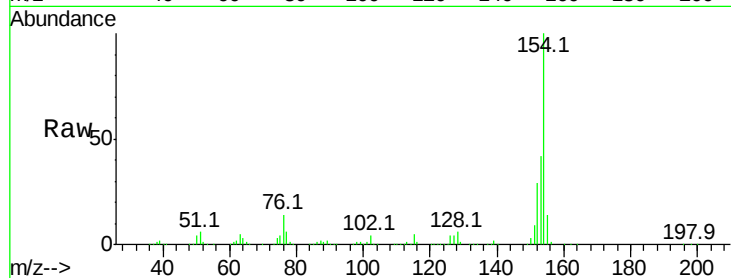




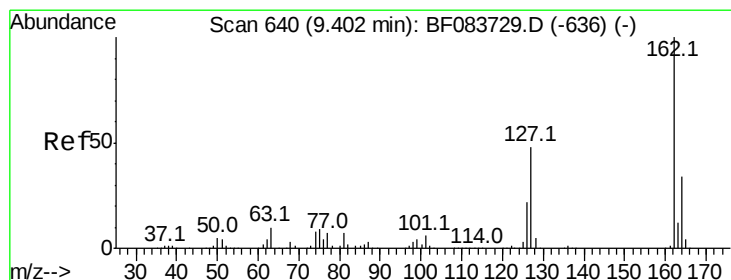
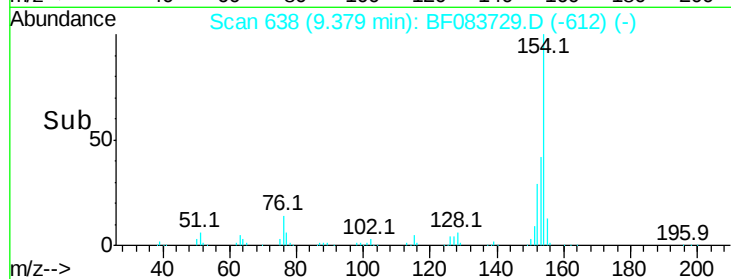
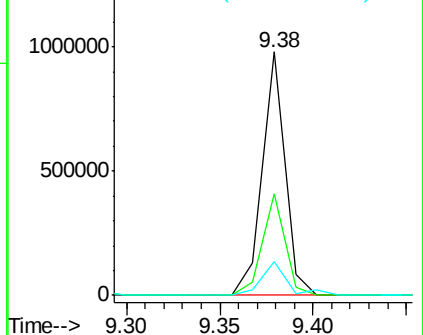
#45  
 1,1'-Biphenyl  
 Concen: 42.19 ng  
 RT: 9.38 min Scan# 638  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:154 Resp: 822161  
 Ion Ratio Lower Upper  
 154 100  
 153 41.9 21.9 61.9  
 76 13.9 0.0 33.9

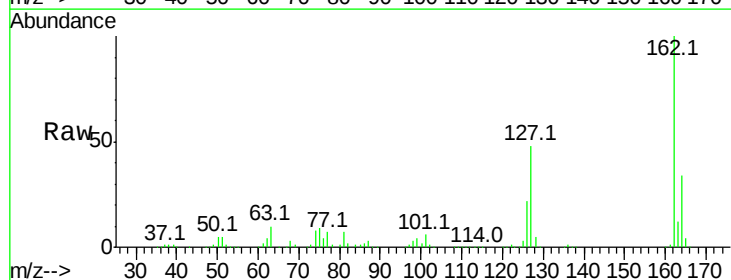


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

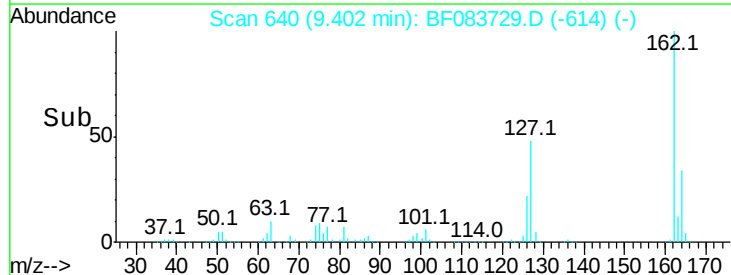
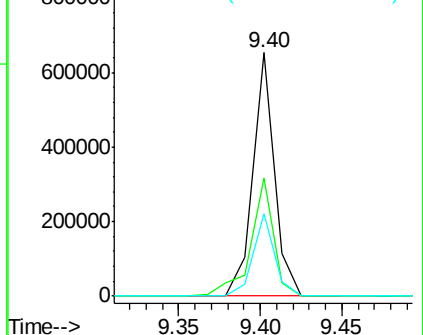


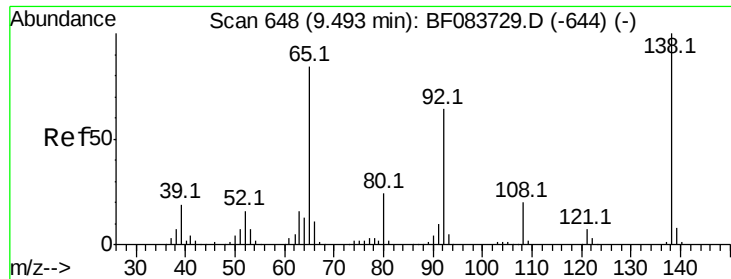
#46  
 2-Chloronaphthalene  
 Concen: 40.89 ng  
 RT: 9.40 min Scan# 640  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:162 Resp: 598927  
 Ion Ratio Lower Upper  
 162 100  
 127 48.5 38.8 58.2  
 164 33.6 26.9 40.3



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

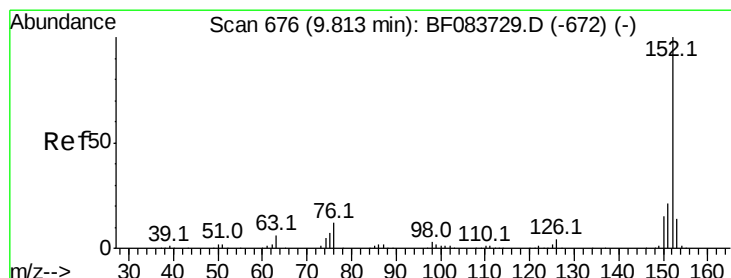
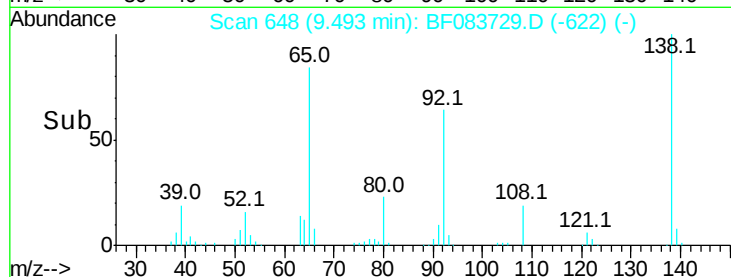
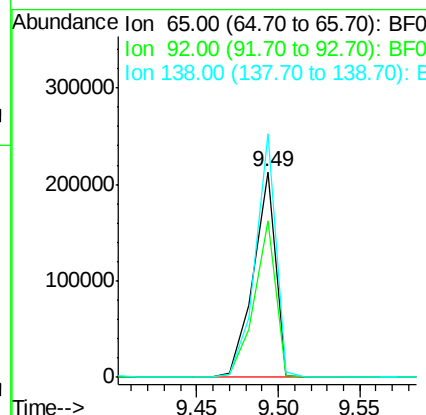
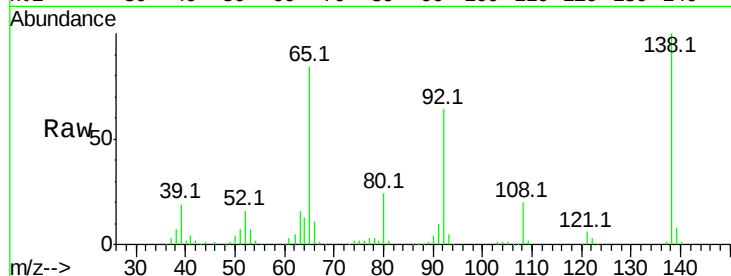




#47  
 2-Nitroaniline  
 Concen: 51.82 ng  
 RT: 9.49 min Scan# 648  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

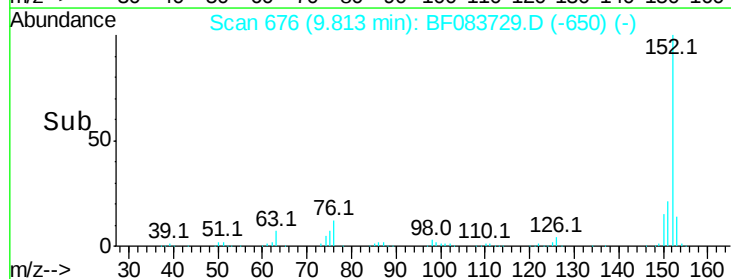
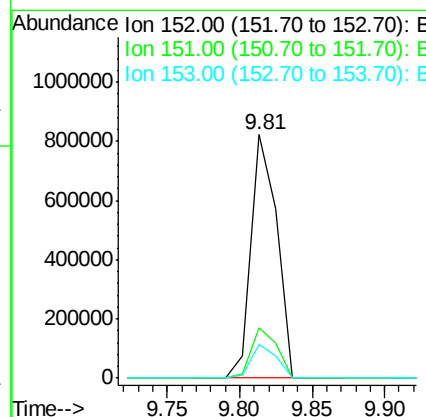
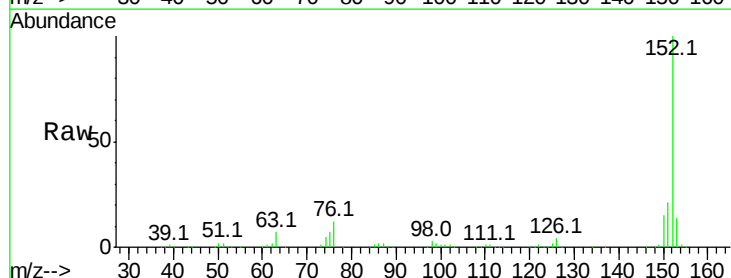
Instrument :  
 BNA\_F  
 ClientSampleId :

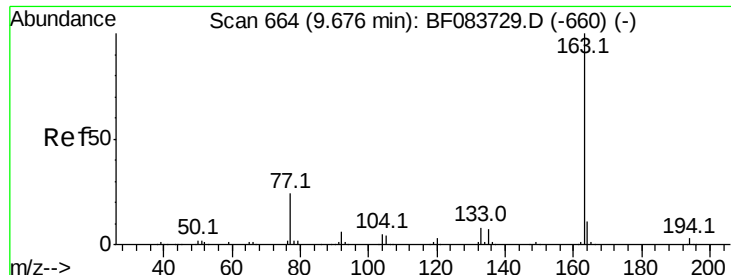
Tot Ion: 65 Resp: 201902  
 Ion Ratio Lower Upper  
 65 100  
 92 76.4 61.1 91.7  
 138 118.7 95.0 142.4



#48  
 Acenaphthylene  
 Concen: 41.38 ng  
 RT: 9.81 min Scan# 676  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:152 Resp: 1013514  
 Ion Ratio Lower Upper  
 152 100  
 151 20.6 16.5 24.7  
 153 13.9 11.1 16.7





#49

Dimethylphthalate

Concen: 41.21 ng

RT: 9.68 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

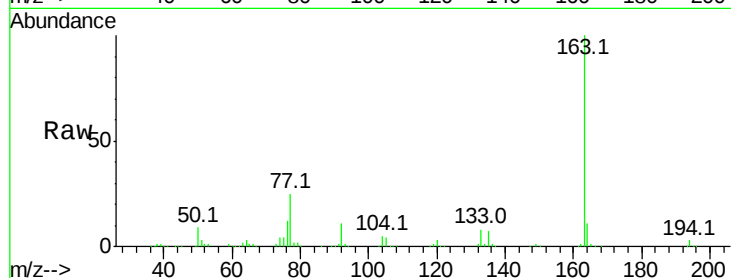
Tot Ion:163 Resp: 707013

Ion Ratio Lower Upper

163 100

194 3.1 2.5 3.7

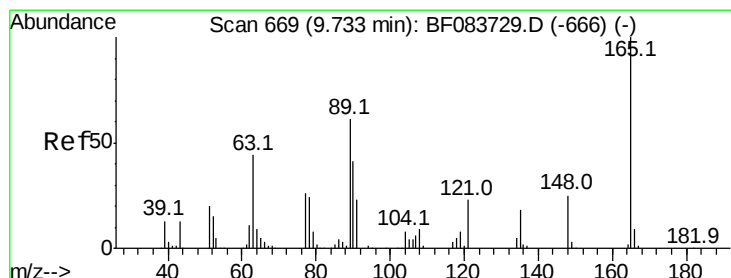
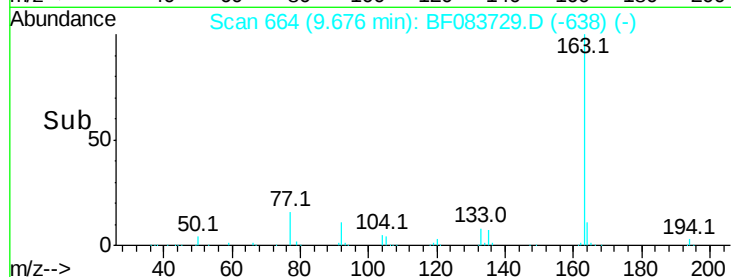
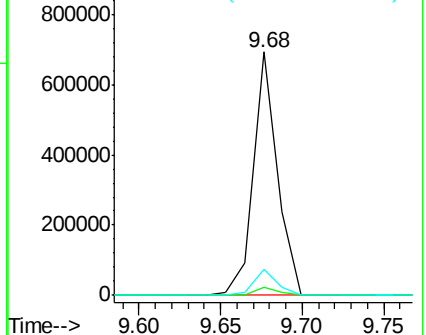
164 10.9 8.7 13.1



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: 45.94 ng

RT: 9.73 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

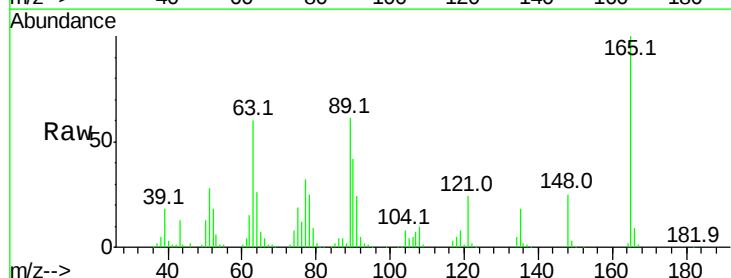
Tgt Ion:165 Resp: 155411

Ion Ratio Lower Upper

165 100

63 59.9 47.9 71.9

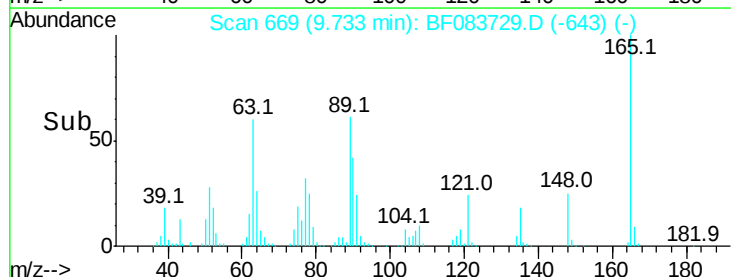
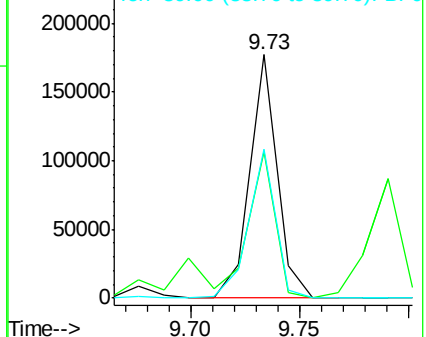
89 61.3 49.0 73.6

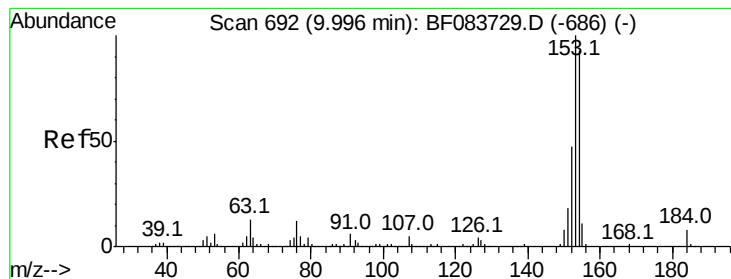


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.34 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

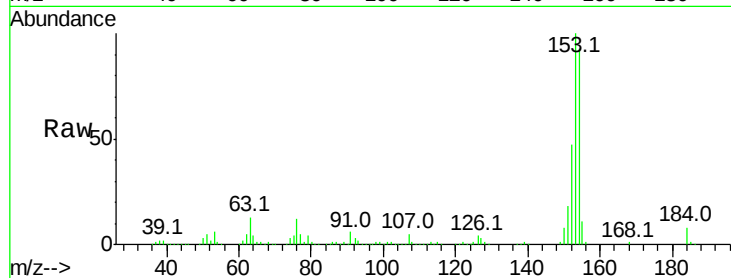
Tot Ion:154 Resp: 620830

Ion Ratio Lower Upper

154 100

153 107.3 85.8 128.8

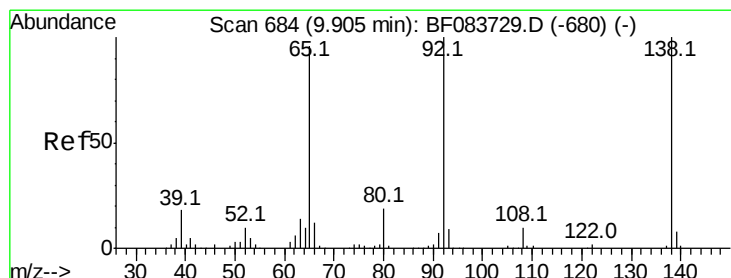
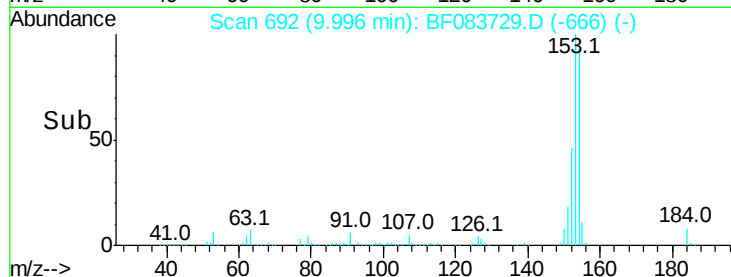
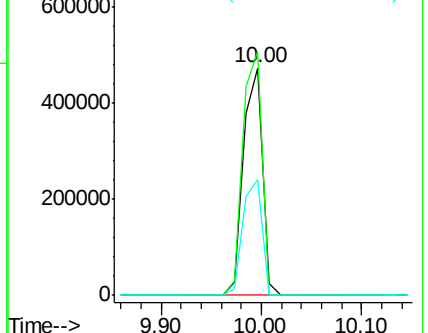
152 50.8 40.6 61.0



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: 50.84 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

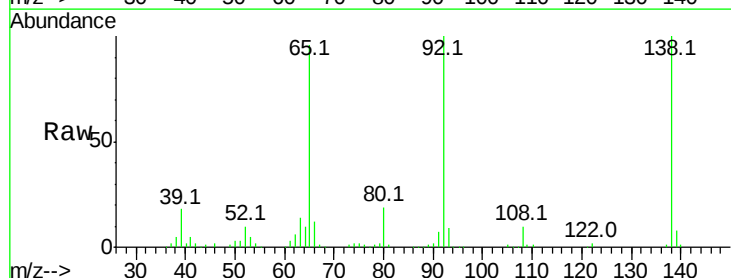
Tgt Ion:138 Resp: 202975

Ion Ratio Lower Upper

138 100

108 10.5 8.4 12.6

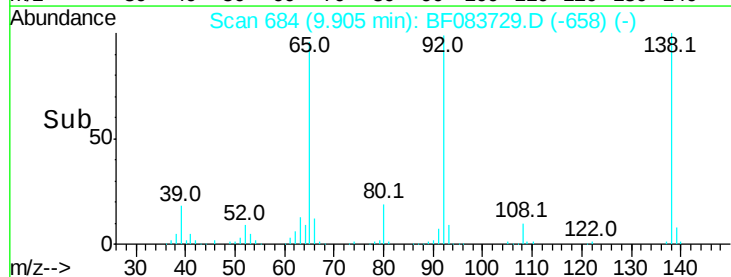
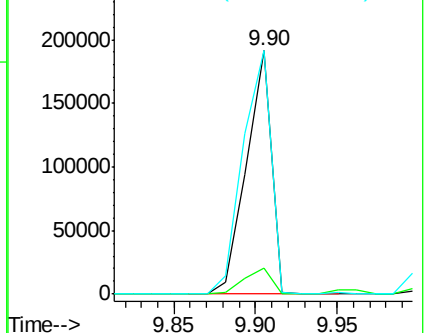
92 100.2 80.2 120.2

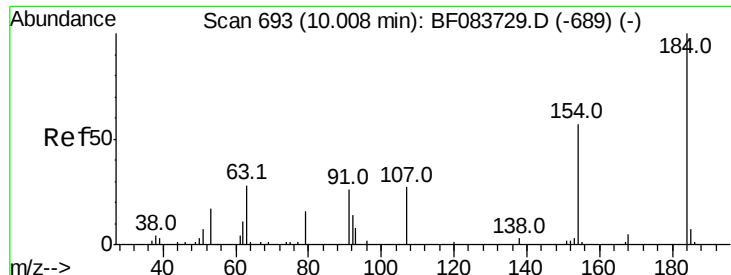


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

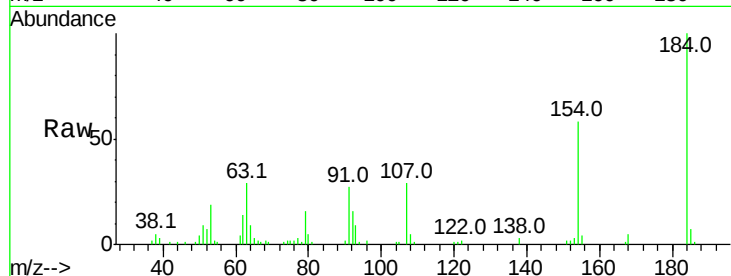




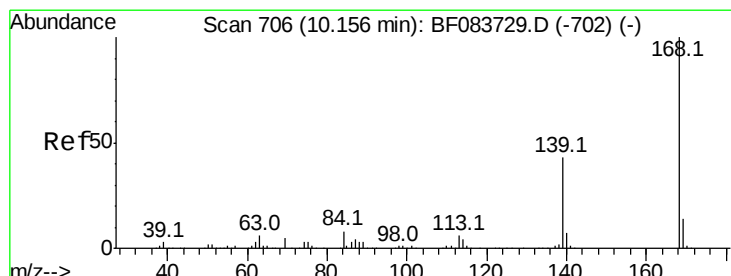
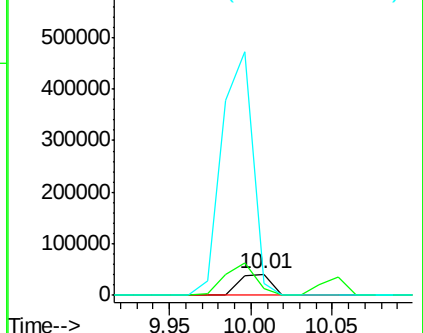
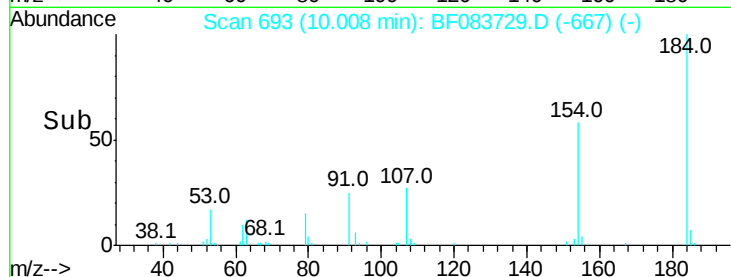
#53  
 2,4-Dinitrophenol  
 Concen: 61.02 ng  
 RT: 10.01 min Scan# 693  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:184 Resp: 56161  
 Ion Ratio Lower Upper  
 184 100  
 63 29.2 23.4 35.0  
 154 58.4 46.7 70.1

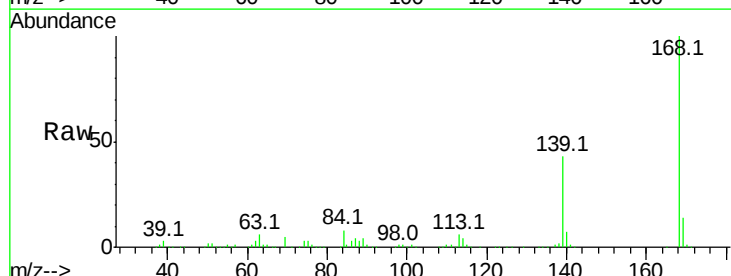


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

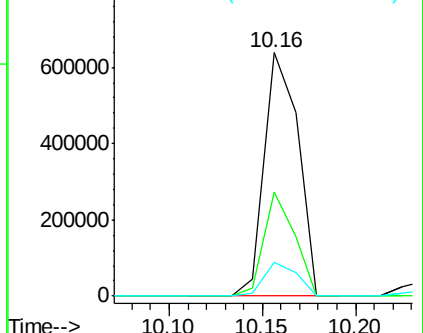
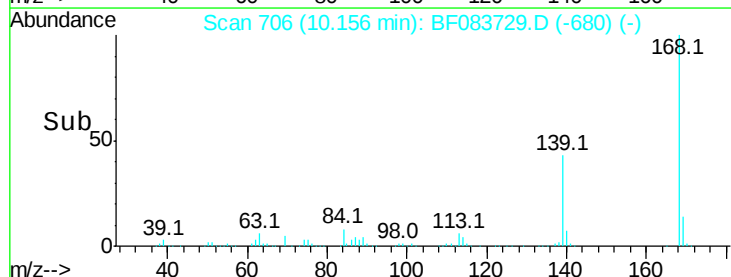


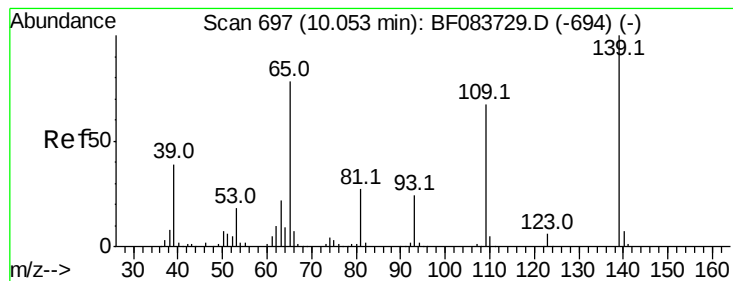
#54  
 Dibenzofuran  
 Concen: 41.36 ng  
 RT: 10.16 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:168 Resp: 799226  
 Ion Ratio Lower Upper  
 168 100  
 139 43.0 34.4 51.6  
 169 14.1 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E  
 Ion 139.00 (138.70 to 139.70): E  
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 48.23 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

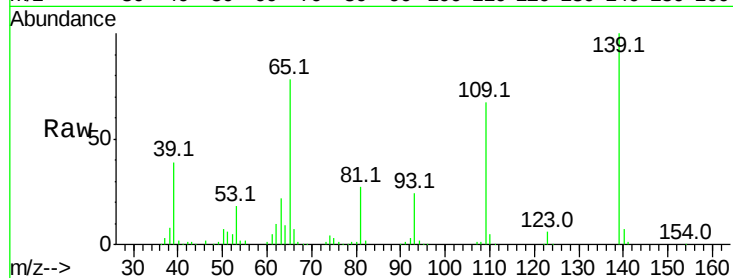
Tot Ion:139 Resp: 160173

Ion Ratio Lower Upper

139 100

109 67.4 47.4 87.4

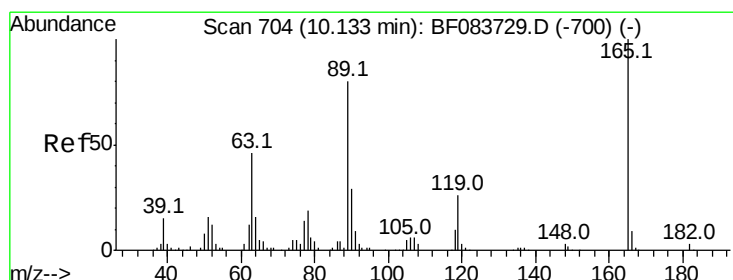
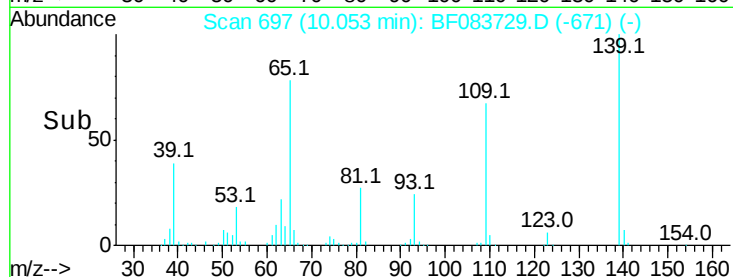
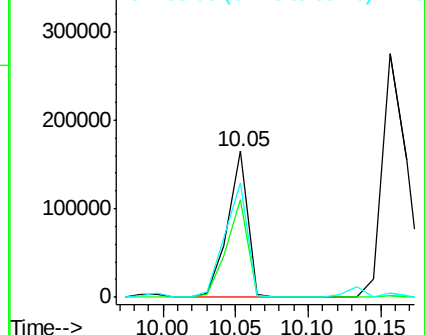
65 78.0 58.0 98.0



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 46.75 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Tgt Ion:165 Resp: 202596

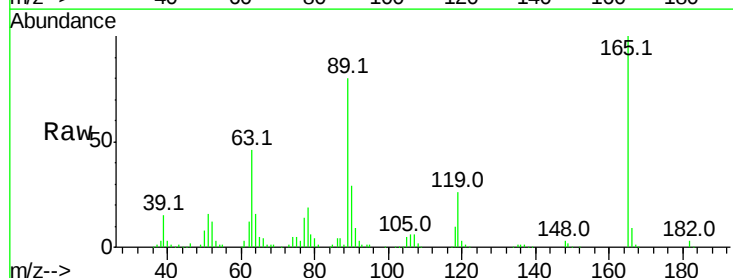
Ion Ratio Lower Upper

165 100

63 46.0 36.8 55.2

89 79.8 63.8 95.8

182 2.5 2.0 3.0

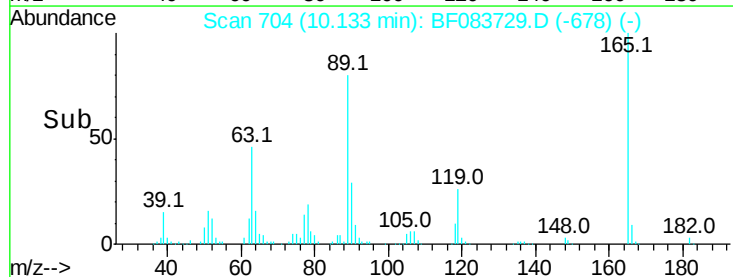
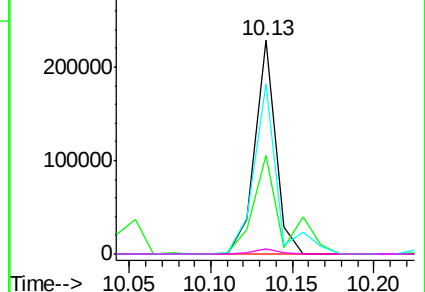


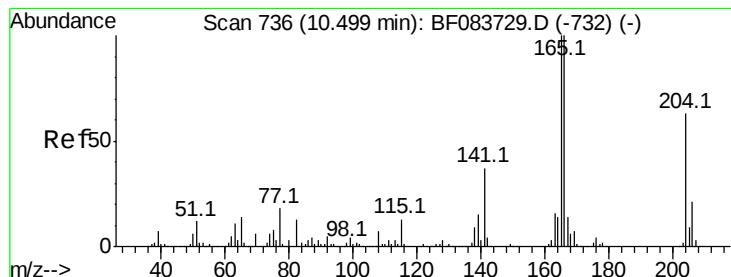
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 39.81 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

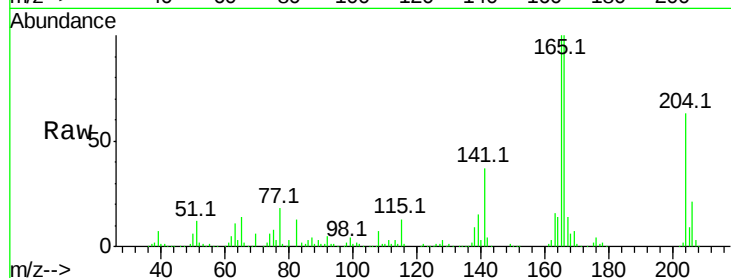
Tot Ion:166 Resp: 603261

Ion Ratio Lower Upper

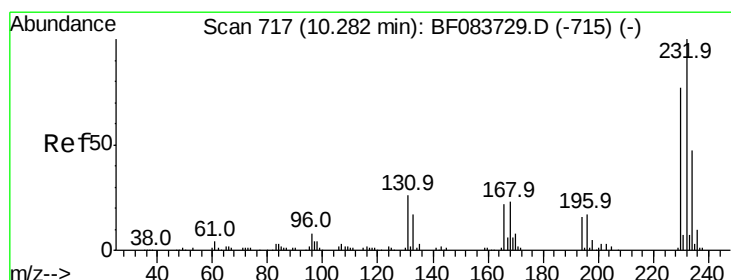
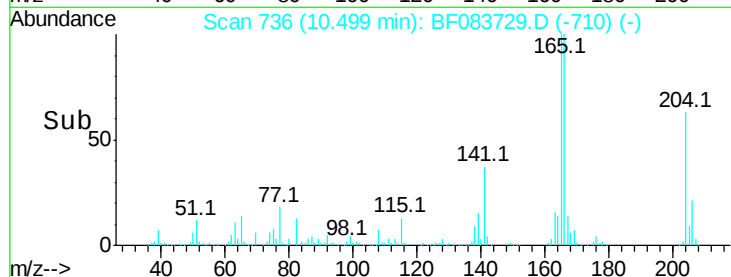
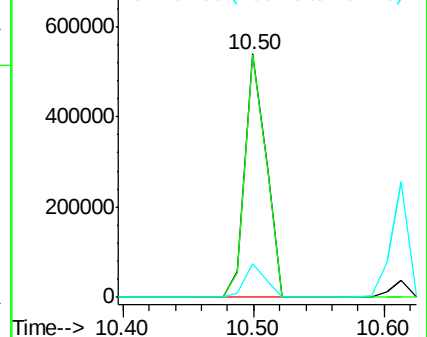
166 100

165 99.6 79.7 119.5

167 14.0 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.95 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Tgt Ion:232 Resp: 143531

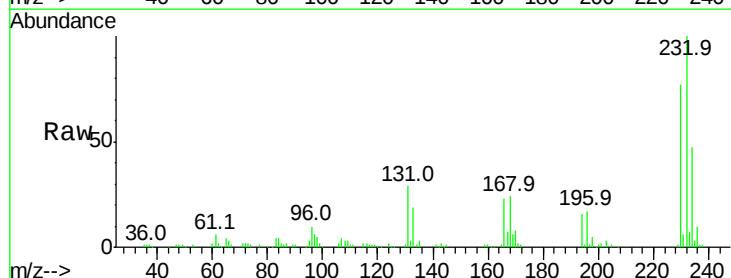
Ion Ratio Lower Upper

232 100

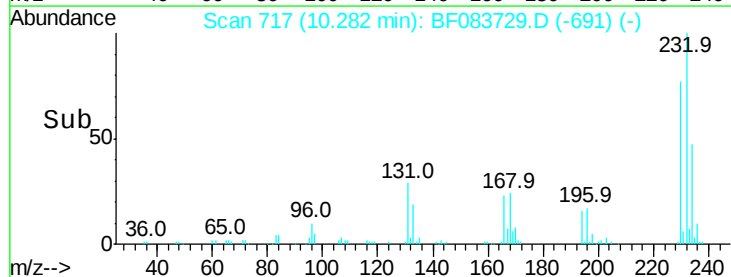
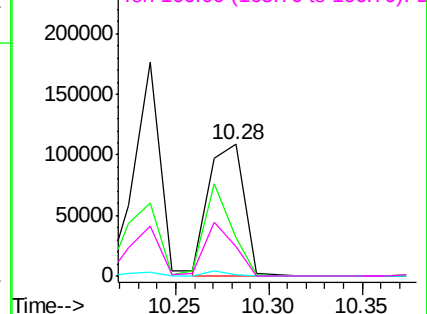
131 53.8 43.0 64.6

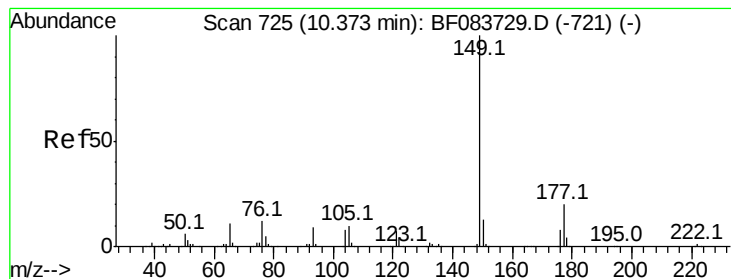
130 2.5 2.0 3.0

166 34.7 27.8 41.6



Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 45.75 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

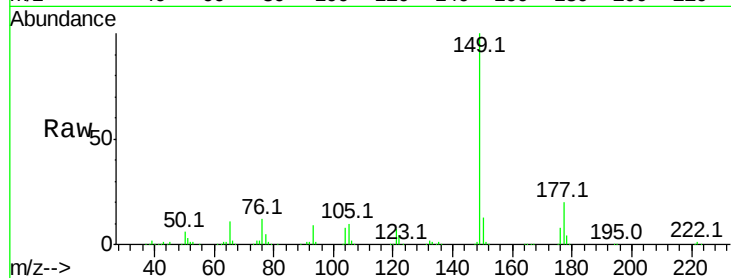
Tot Ion:149 Resp: 754354

Ion Ratio Lower Upper

149 100

177 19.6 15.7 23.5

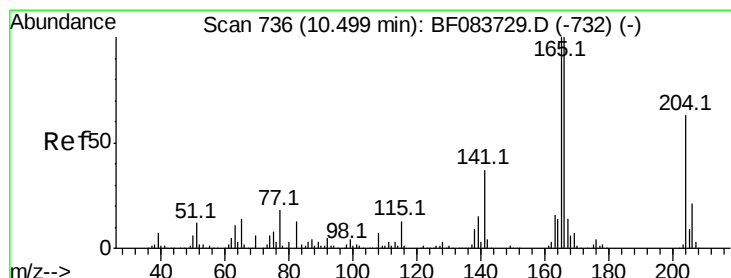
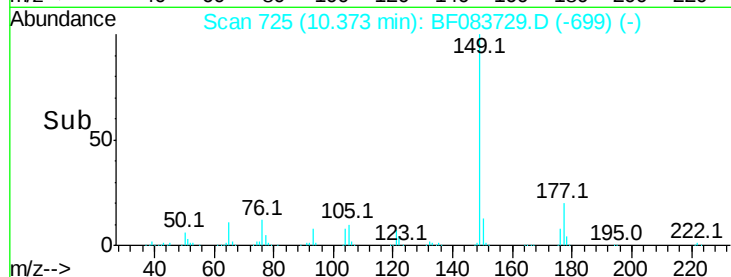
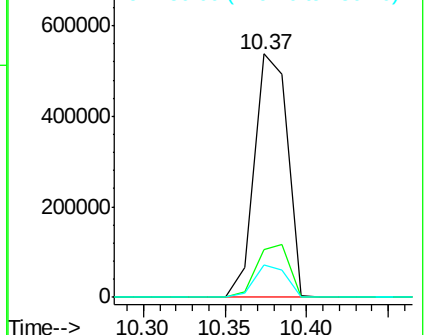
150 13.2 10.6 15.8



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: 42.86 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

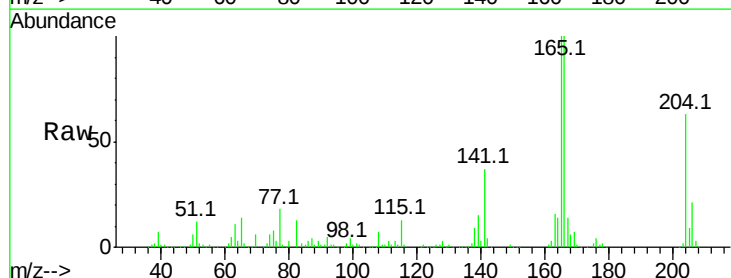
Tgt Ion:204 Resp: 315327

Ion Ratio Lower Upper

204 100

206 33.3 26.6 40.0

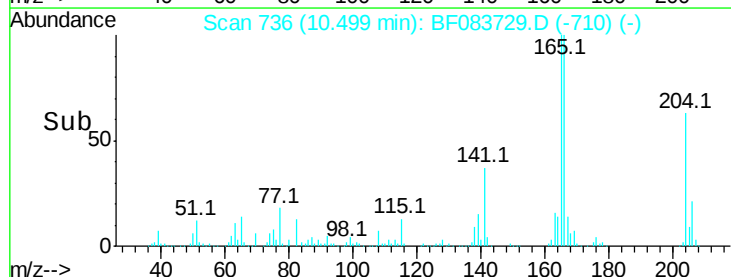
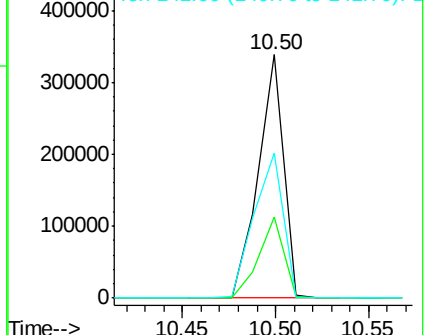
141 59.4 47.5 71.3

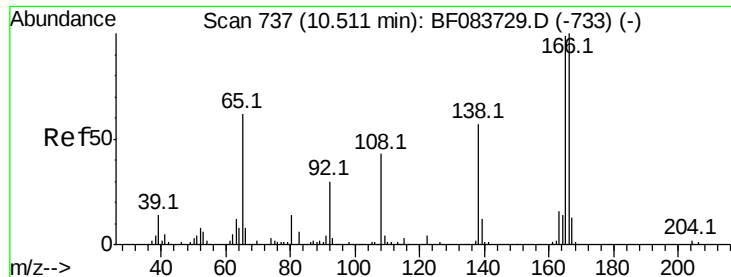


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

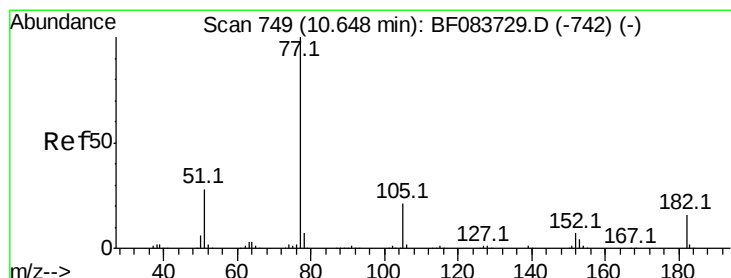
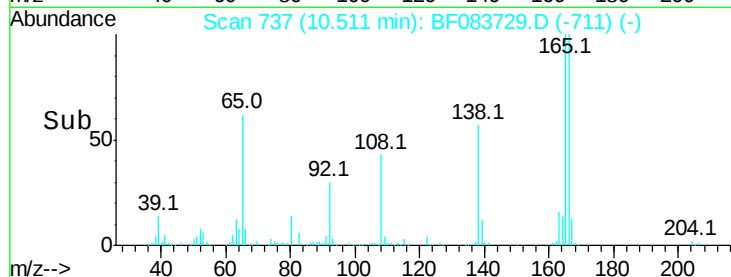
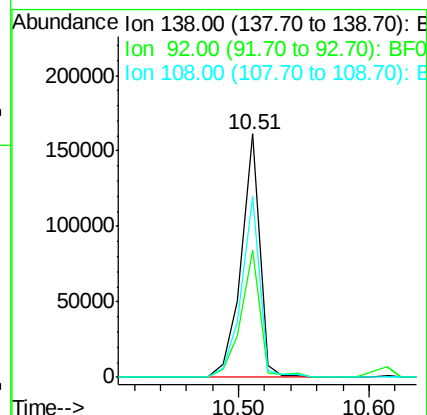
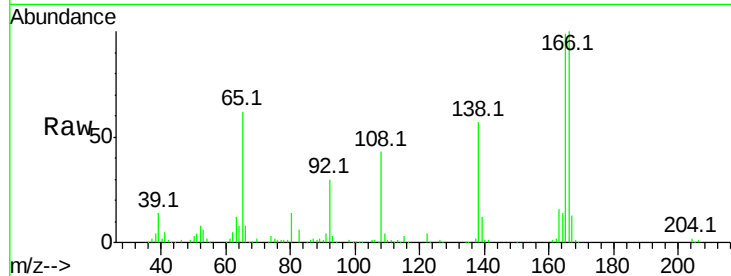




#61  
4-Nitroaniline  
Concen: 44.29 ng  
RT: 10.51 min Scan# 737  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

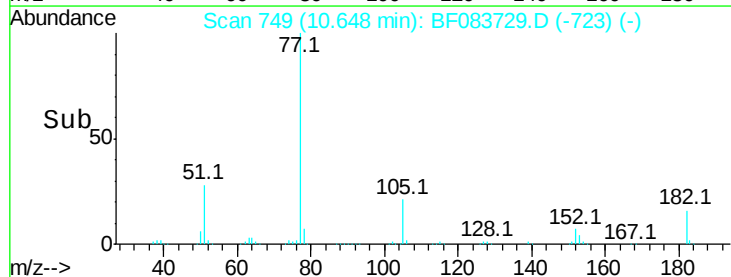
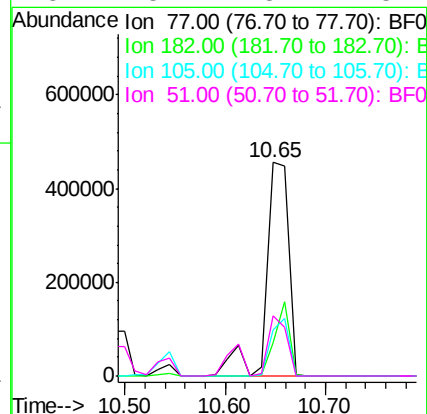
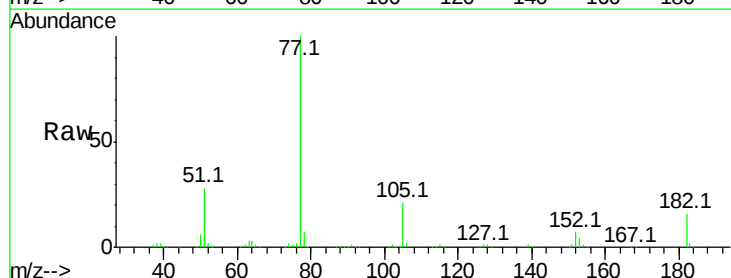
Instrument :  
BNA\_F  
ClientSampled :

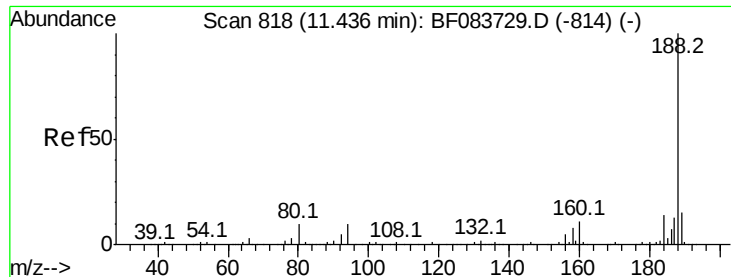
Tot Ion:138 Resp: 158628  
Ion Ratio Lower Upper  
138 100  
92 52.0 32.0 72.0  
108 74.3 54.3 94.3



#62  
Azobenzene  
Concen: 44.63 ng  
RT: 10.65 min Scan# 749  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion: 77 Resp: 706774  
Ion Ratio Lower Upper  
77 100  
182 15.6 0.0 35.6  
105 21.4 1.4 41.4  
51 28.2 8.2 48.2

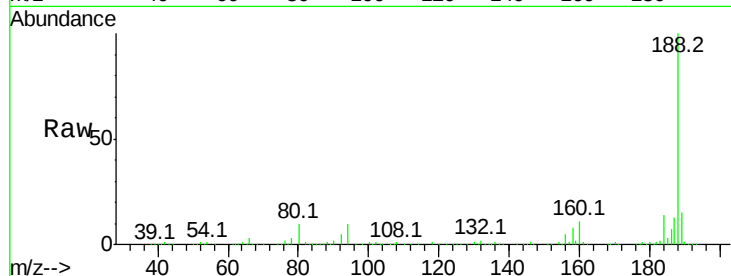




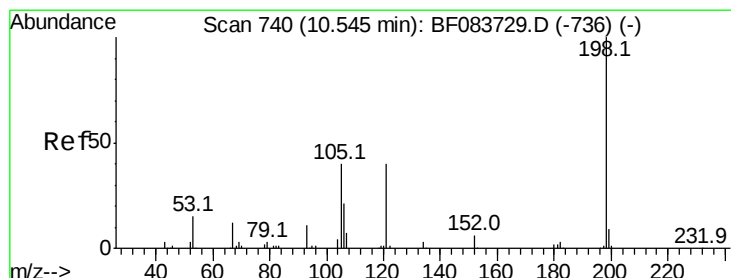
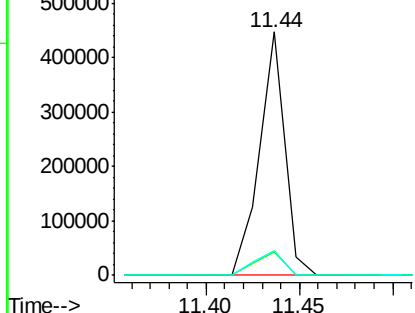
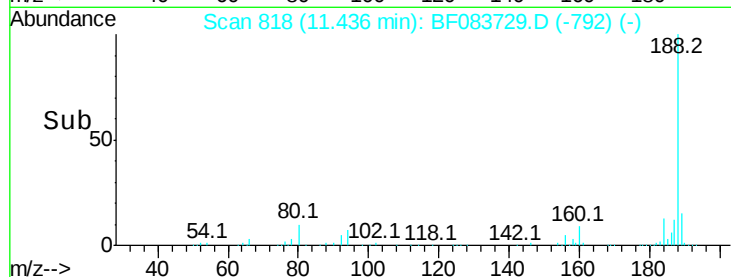
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.44 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 416291  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.6 11.4  
80 10.4 8.3 12.5

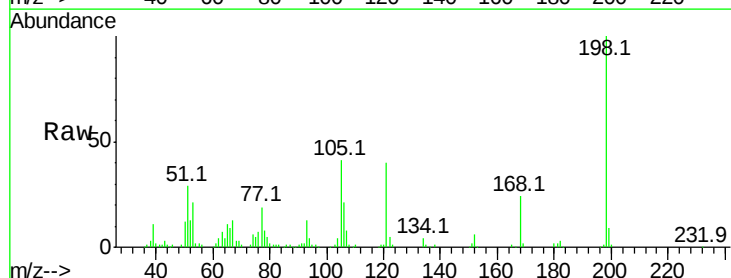


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

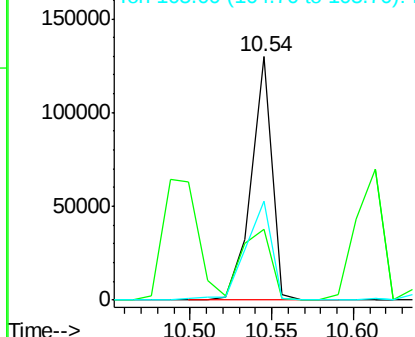
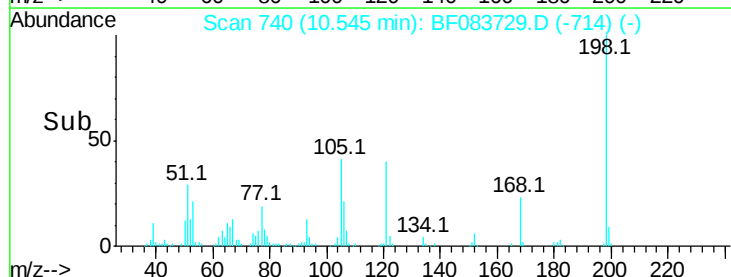


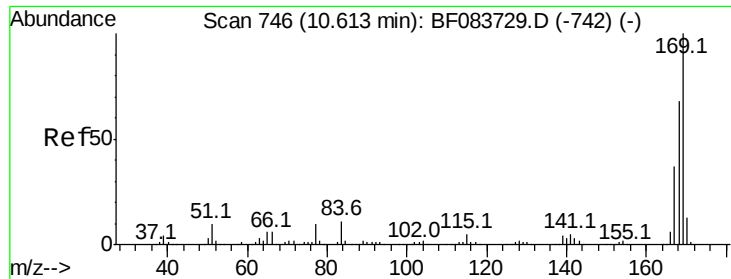
#64  
4,6-Dinitro-2-methylphenol  
Concen: 74.26 ng  
RT: 10.54 min Scan# 740  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion:198 Resp: 114404  
Ion Ratio Lower Upper  
198 100  
51 29.0 9.0 49.0  
105 40.7 20.7 60.7



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

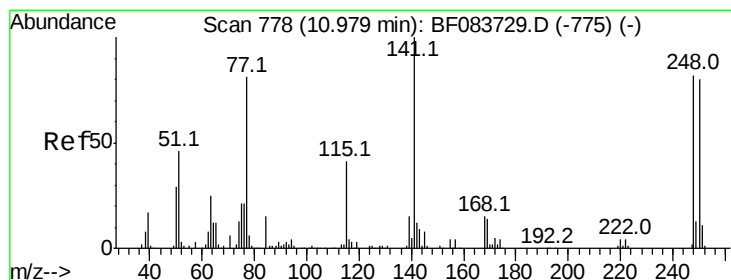
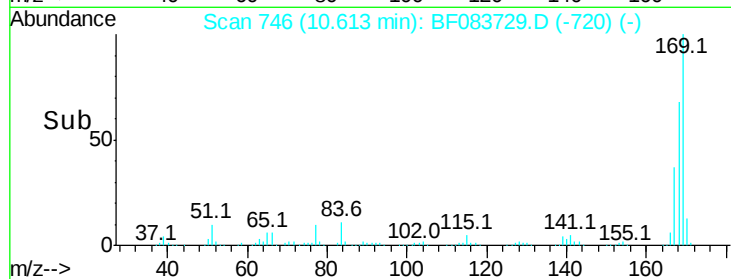
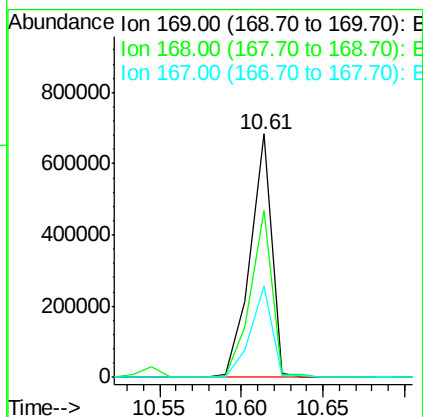
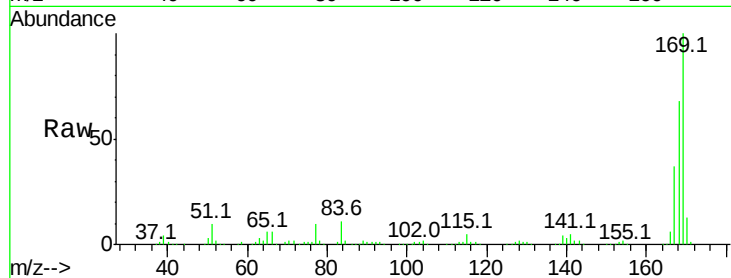




#65  
 n-Nitrosodiphenylamine  
 Concen: 44.63 ng  
 RT: 10.61 min Scan# 746  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

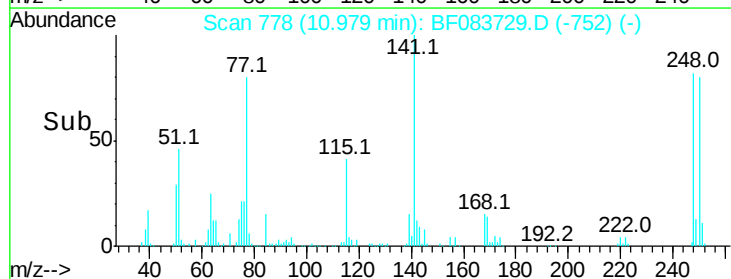
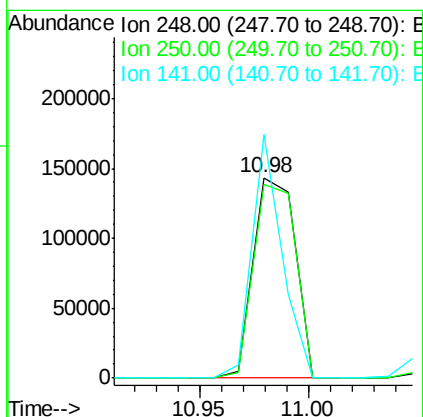
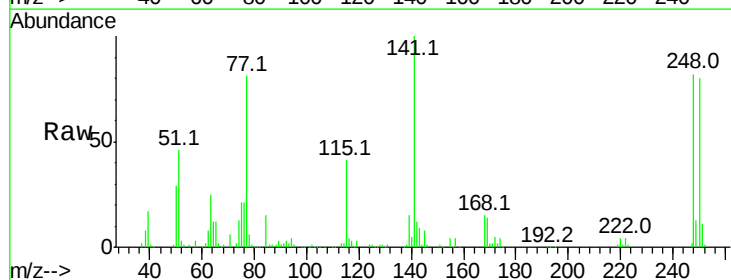
Instrument :  
 BNA\_F  
 ClientSampleId :

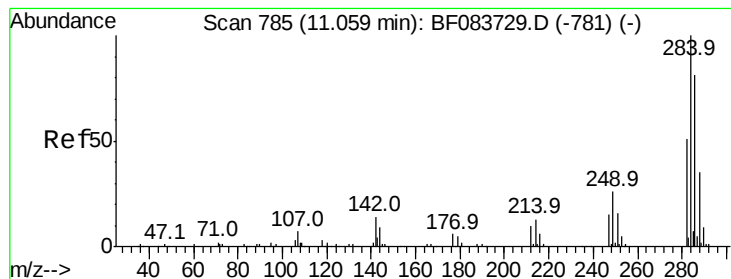
Tot Ion:169 Resp: 630194  
 Ion Ratio Lower Upper  
 169 100  
 168 68.3 54.6 82.0  
 167 37.5 30.0 45.0



#66  
 4-Bromophenyl-phenylether  
 Concen: 43.04 ng  
 RT: 10.98 min Scan# 778  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:248 Resp: 193457  
 Ion Ratio Lower Upper  
 248 100  
 250 96.8 77.4 116.2  
 141 121.4 97.1 145.7





#67

Hexachlorobenzene

Concen: 41.99 ng

RT: 11.06 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

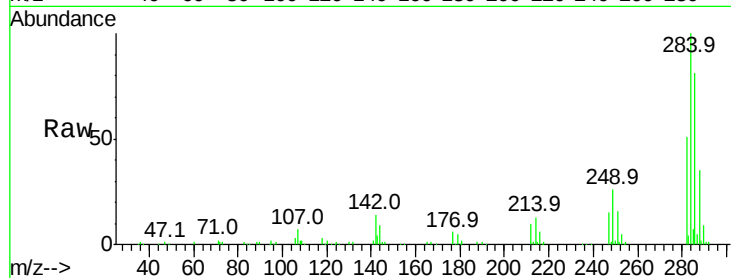
Tot Ion:284 Resp: 205141

Ion Ratio Lower Upper

284 100

142 13.9 11.1 16.7

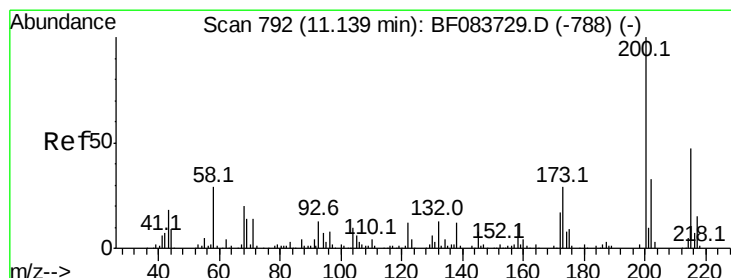
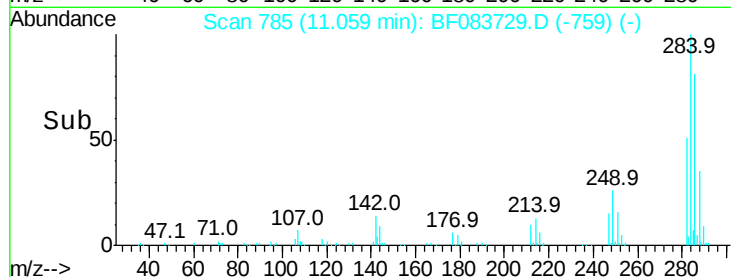
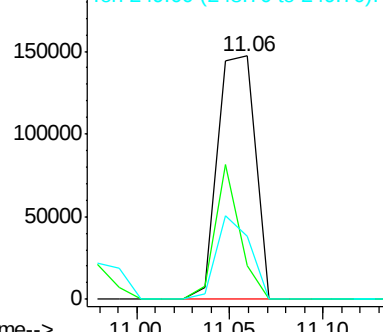
249 25.7 20.6 30.8



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: 47.43 ng

RT: 11.14 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

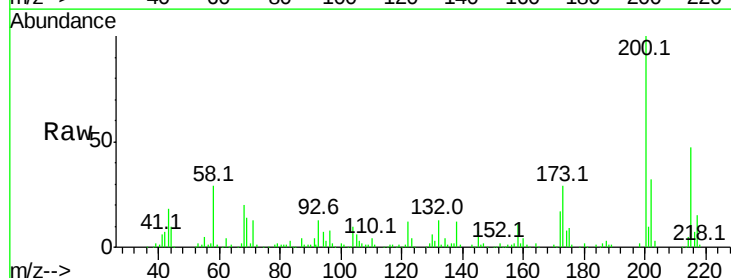
Tgt Ion:200 Resp: 193801

Ion Ratio Lower Upper

200 100

173 28.5 8.5 48.5

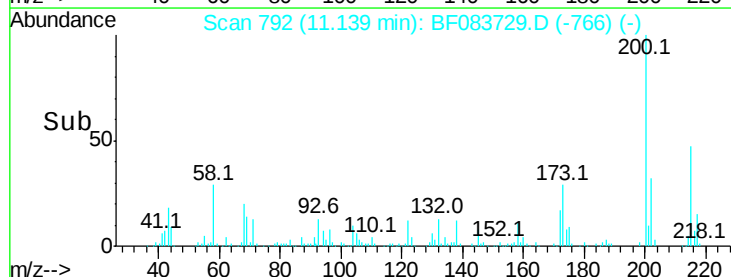
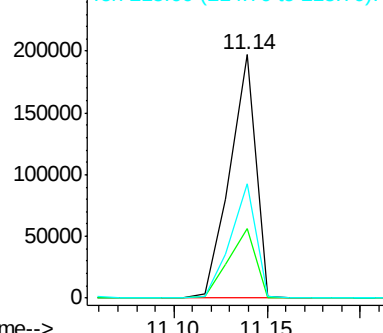
215 46.9 26.9 66.9

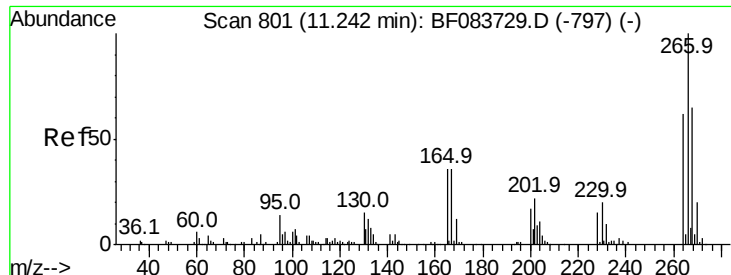


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

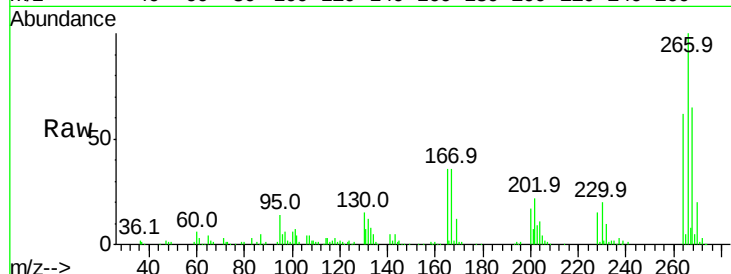




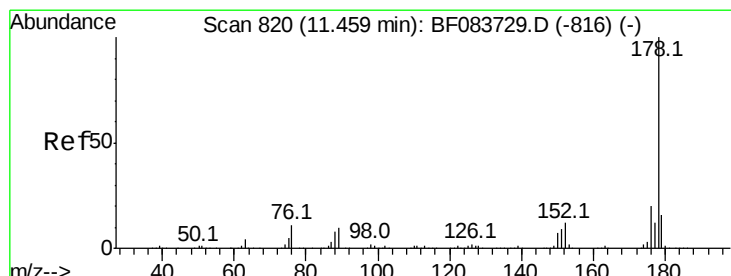
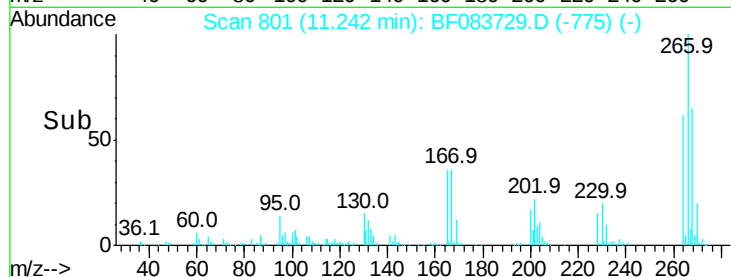
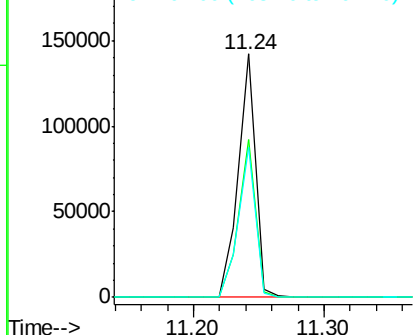
#69  
 Pentachlorophenol  
 Concen: 47.25 ng  
 RT: 11.24 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.8  | 51.8  | 77.8  |
| 264     | 61.8  | 49.4  | 74.2  |

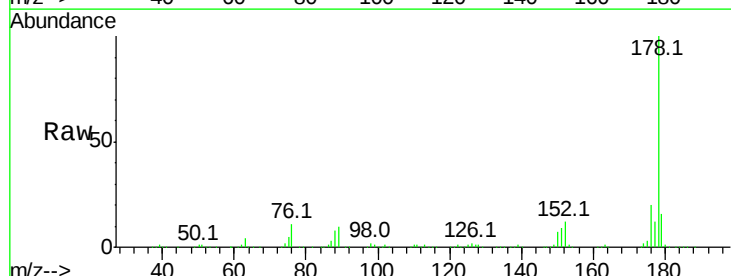


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

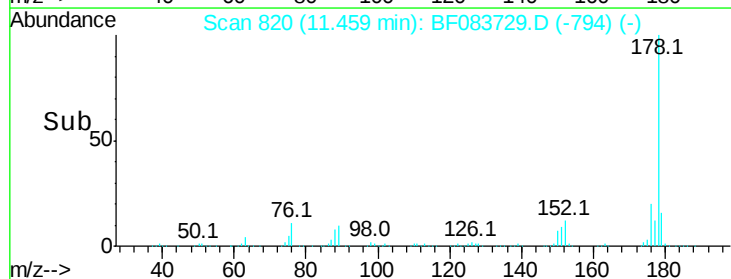
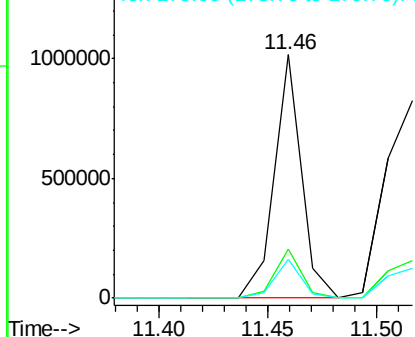


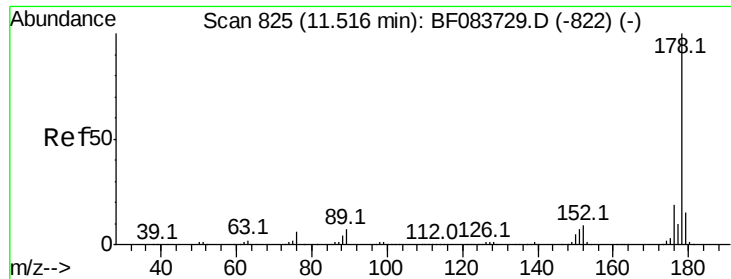
#70  
 Phenanthrene  
 Concen: 39.78 ng  
 RT: 11.46 min Scan# 820  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 16.1  | 24.1  |
| 179     | 16.1  | 12.9  | 19.3  |



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

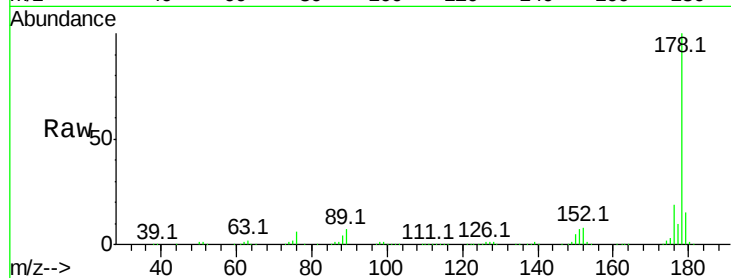




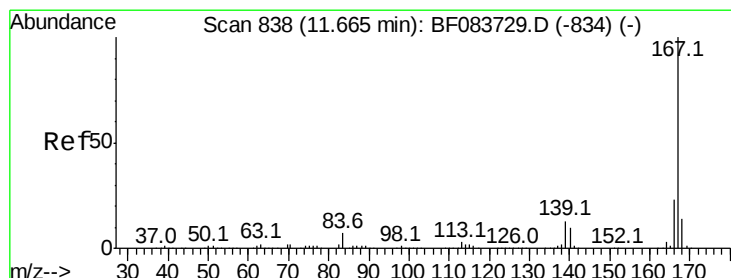
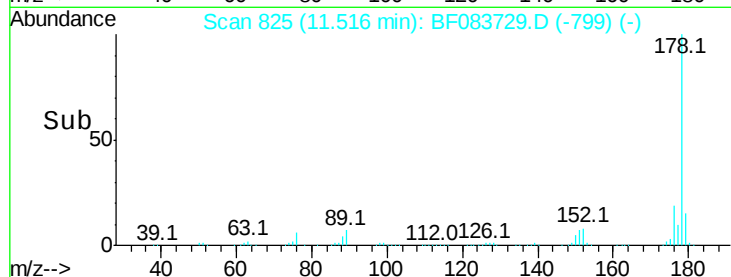
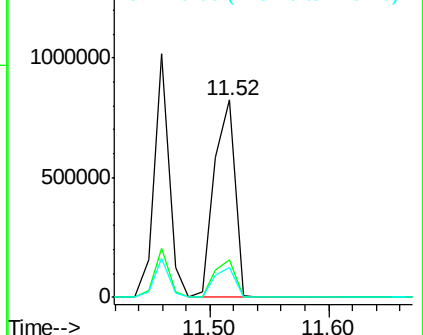
#71  
 Anthracene  
 Concen: 41.60 ng  
 RT: 11.52 min Scan# 825  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 989016  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.2 22.8  
 179 15.4 12.3 18.5

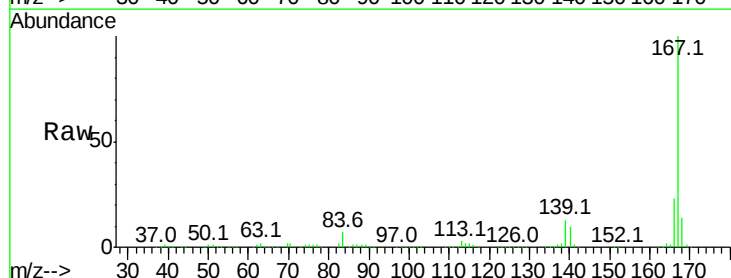


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

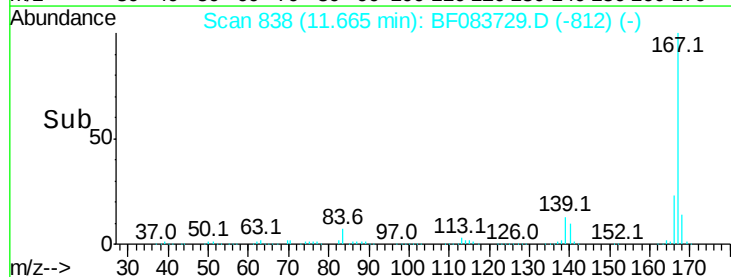
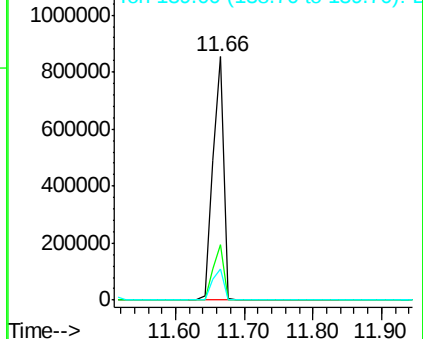


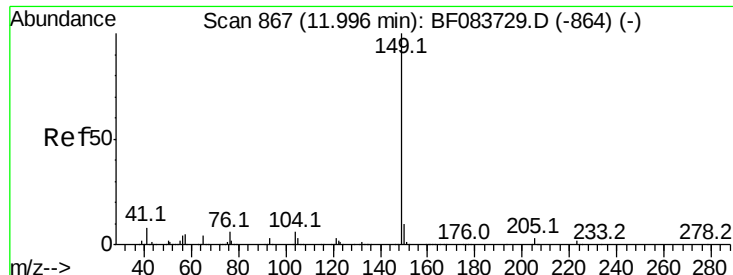
#72  
 Carbazole  
 Concen: 42.80 ng  
 RT: 11.66 min Scan# 838  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:167 Resp: 944330  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 18.0 27.0  
 139 12.8 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

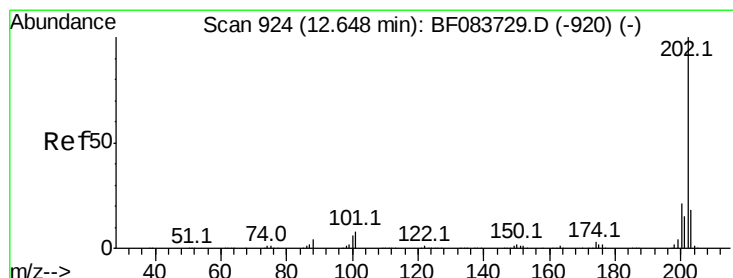
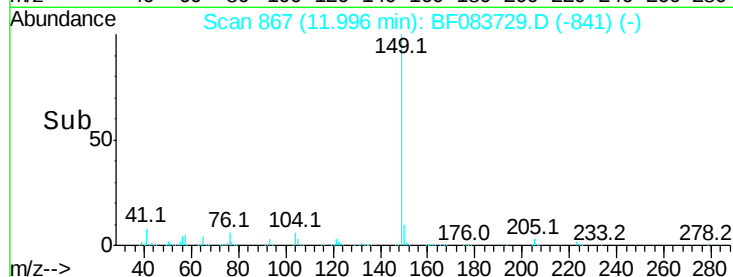
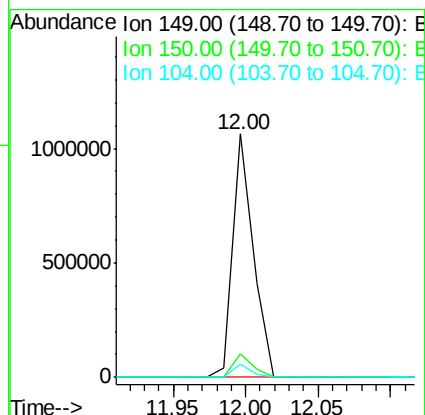
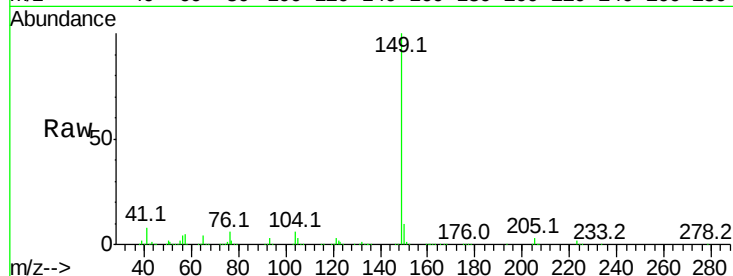




#73  
Di-n-butylphthalate  
Concen: 43.86 ng  
RT: 12.00 min Scan# 867  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

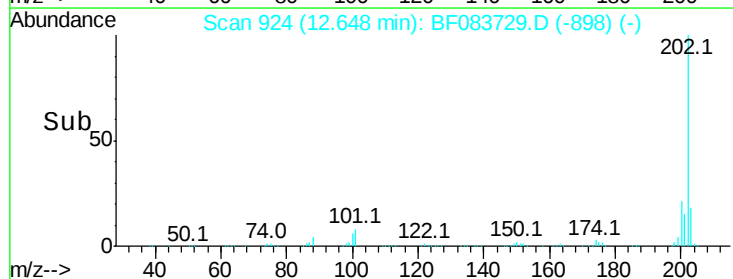
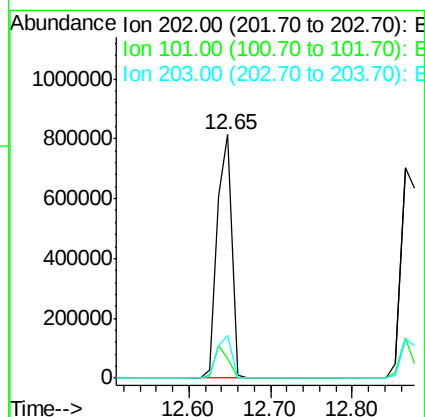
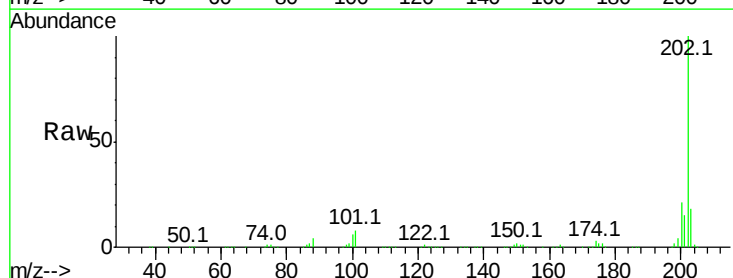
Instrument :  
BNA\_F  
ClientSampled :

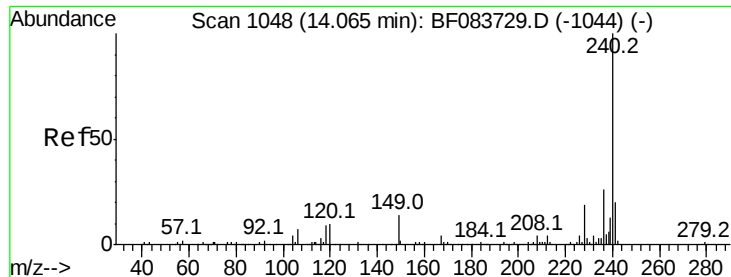
Tot Ion:149 Resp: 1041522  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.8 11.6  
104 5.7 4.6 6.8



#74  
Fluoranthene  
Concen: 41.54 ng  
RT: 12.65 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

Tgt Ion:202 Resp: 1004864  
Ion Ratio Lower Upper  
202 100  
101 8.2 0.0 28.2  
203 17.6 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

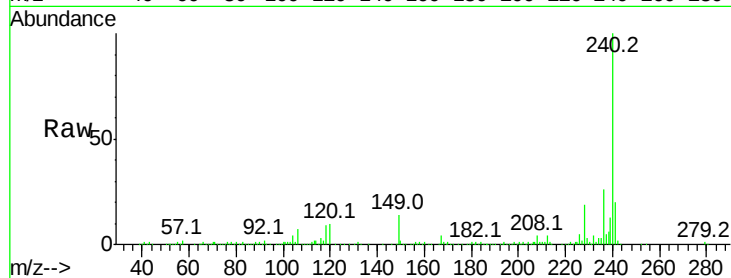
Tot Ion:240 Resp: 287206

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

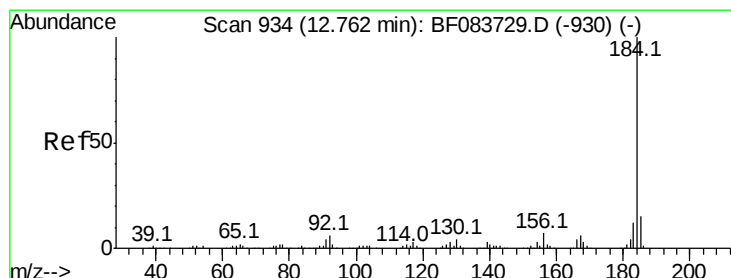
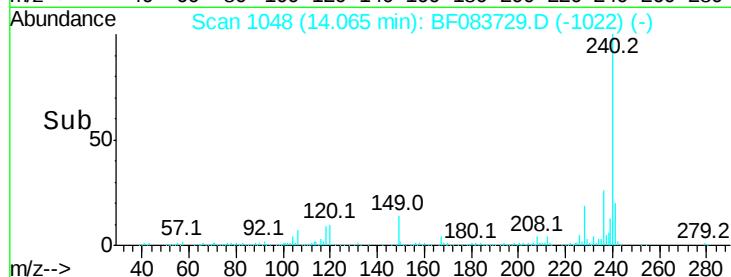
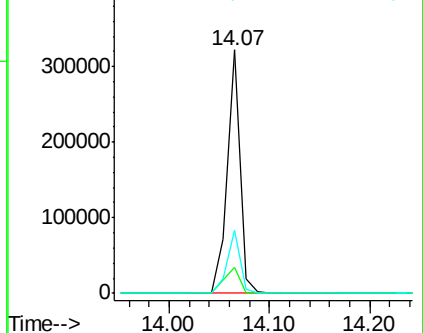
236 25.8 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 40.28 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

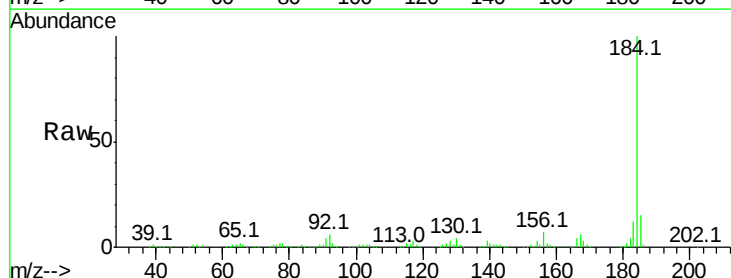
Tgt Ion:184 Resp: 438100

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.4

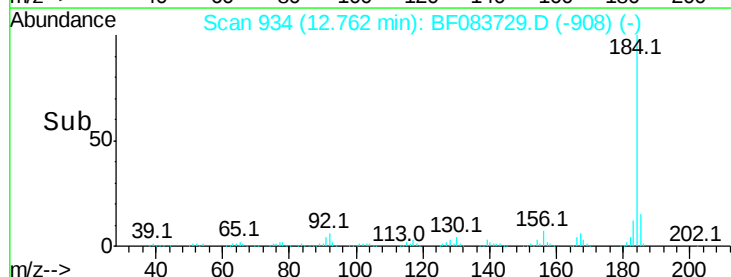
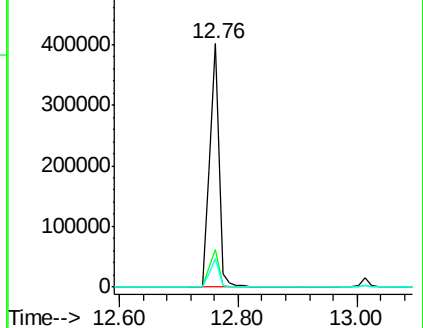
183 11.9 9.5 14.3

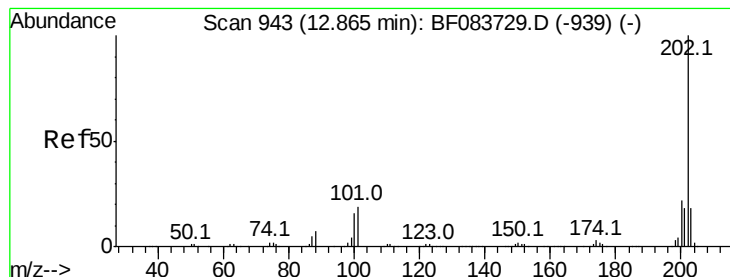


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 41.97 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

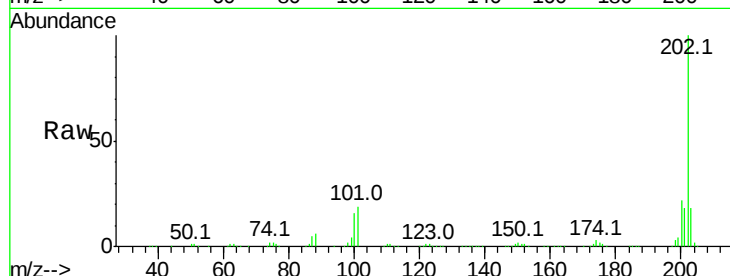
Tot Ion:202 Resp: 959739

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

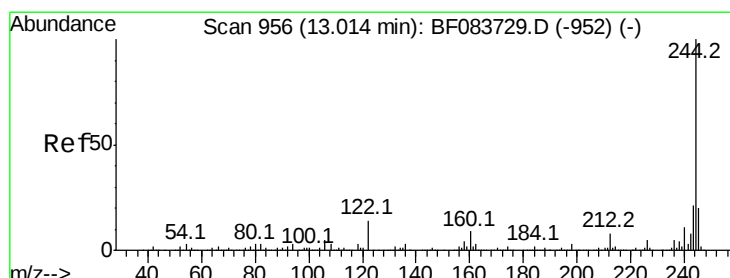
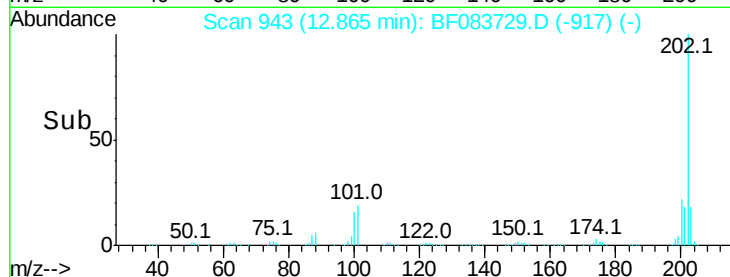
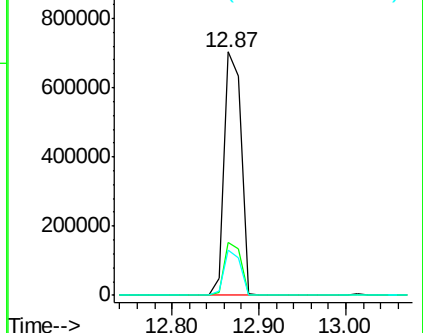
203 18.4 14.7 22.1



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: 82.93 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

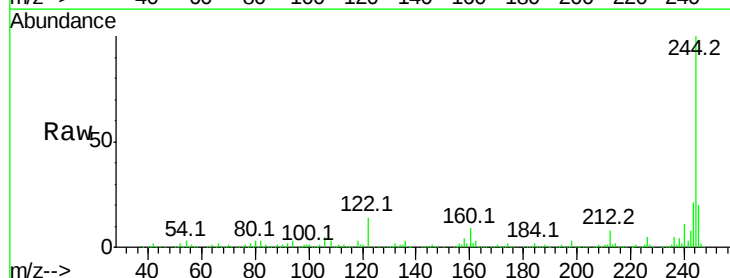
Tgt Ion:244 Resp: 1062328

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

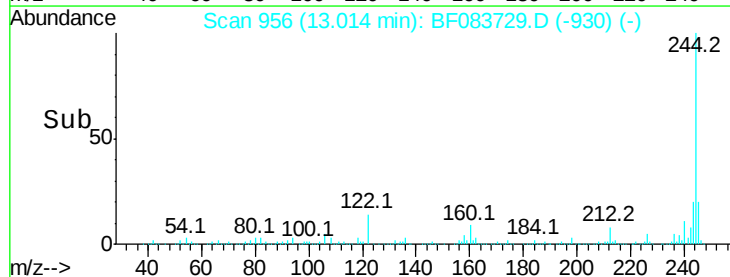
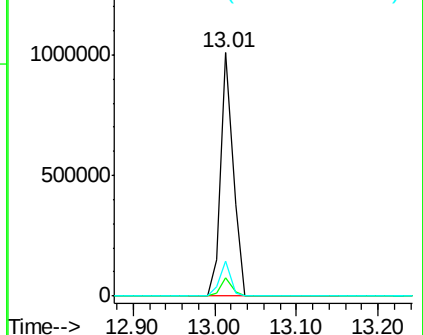
122 14.5 11.6 17.4

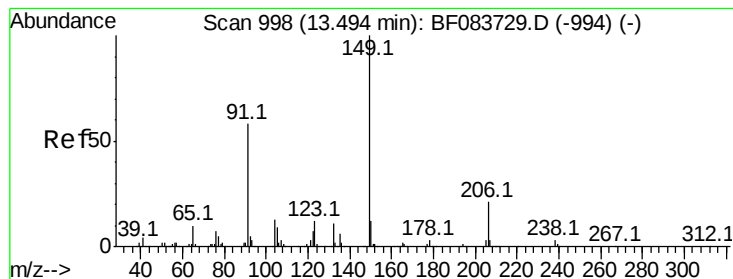


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 59.58 ng

RT: 13.49 min Scan# 998

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampled :

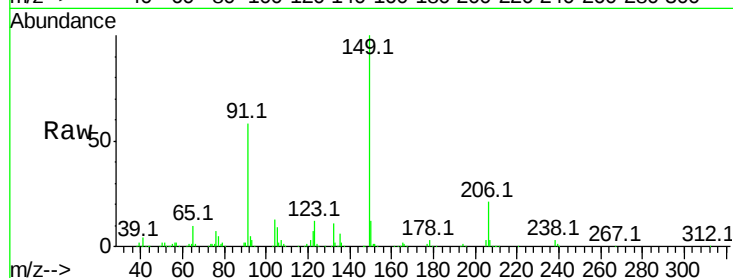
Tot Ion:149 Resp: 459823

Ion Ratio Lower Upper

149 100

91 58.3 46.6 70.0

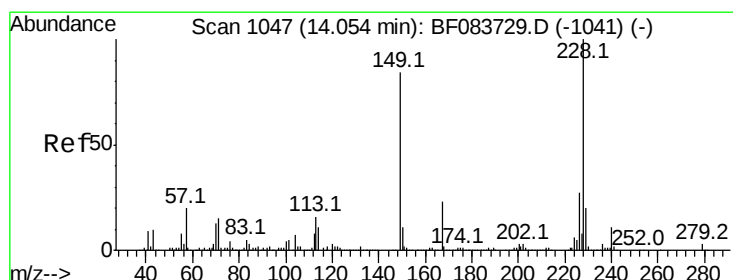
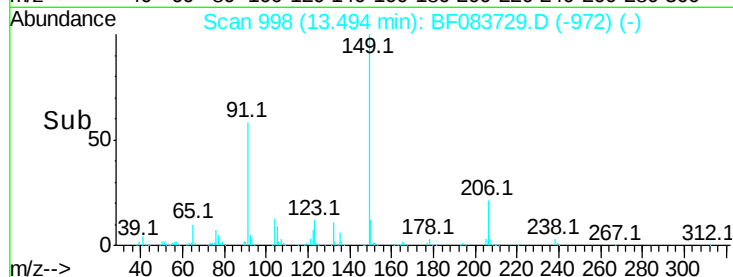
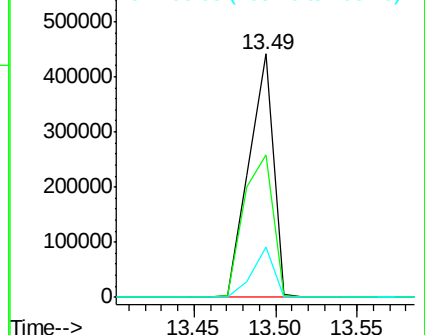
206 20.6 16.5 24.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 41.28 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

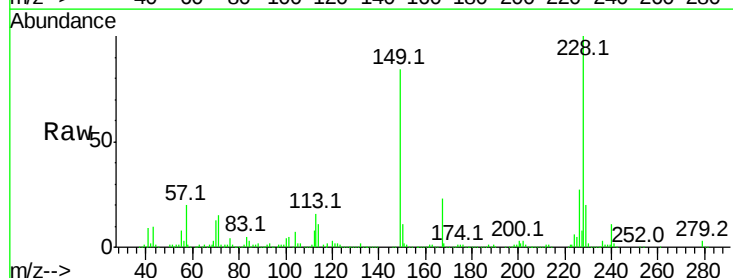
Tgt Ion:228 Resp: 694286

Ion Ratio Lower Upper

228 100

226 27.4 21.9 32.9

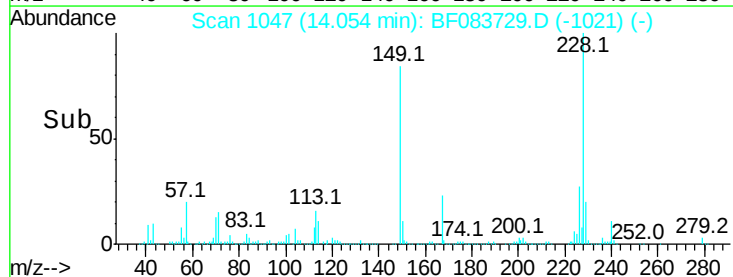
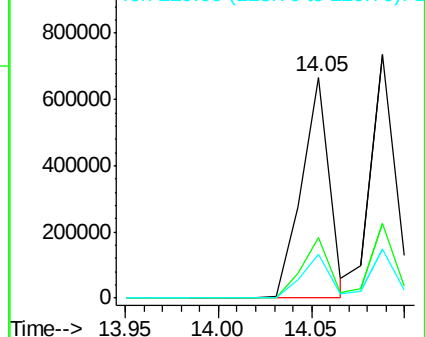
229 19.8 15.8 23.8

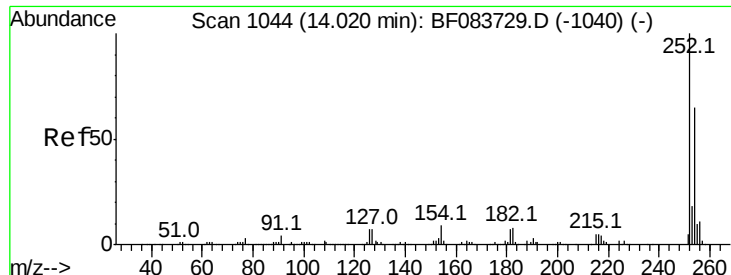


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

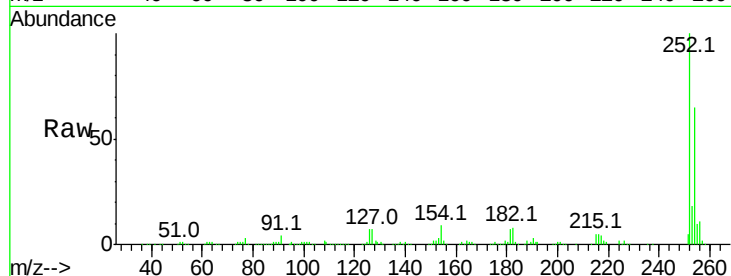




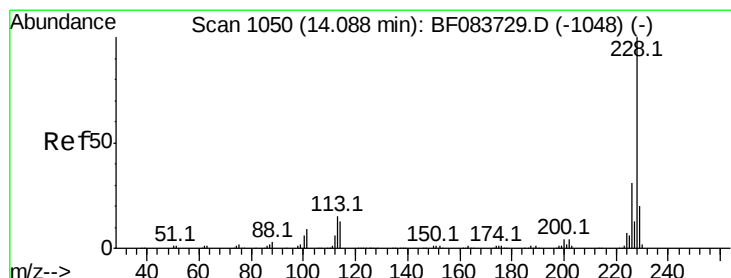
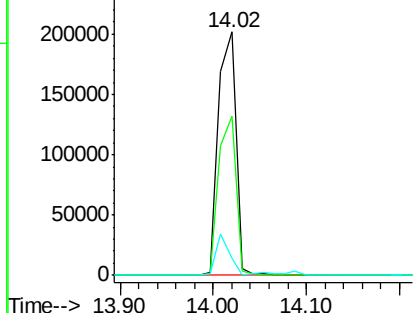
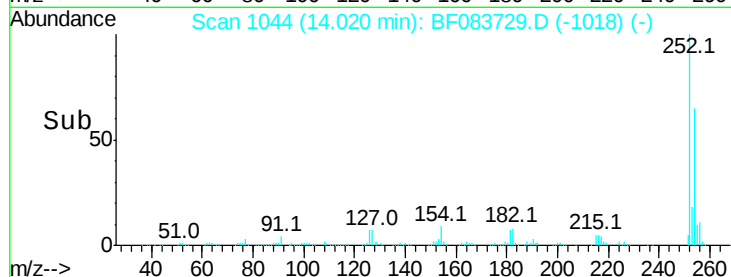
#81  
 3,3'-Dichlorobenzidine  
 Concen: 47.88 ng  
 RT: 14.02 min Scan# 1044  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:252 Resp: 263109  
 Ion Ratio Lower Upper  
 252 100  
 254 65.2 52.2 78.2  
 126 6.9 5.5 8.3

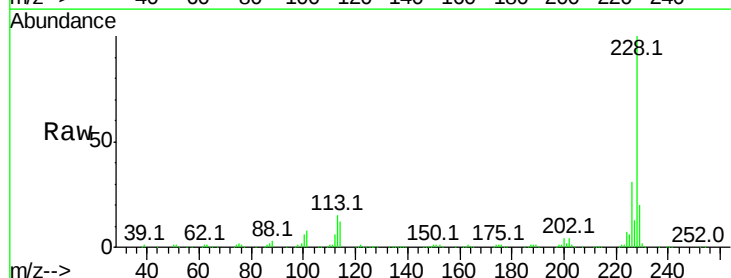


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

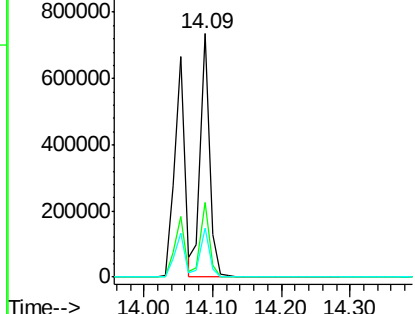
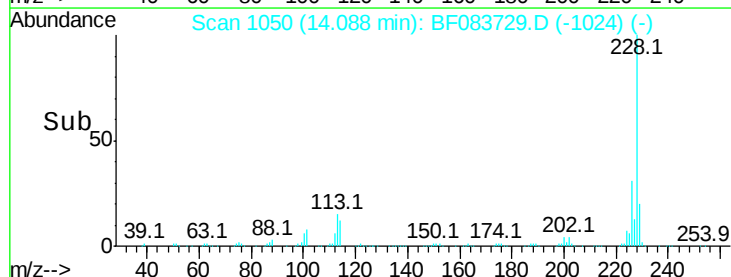


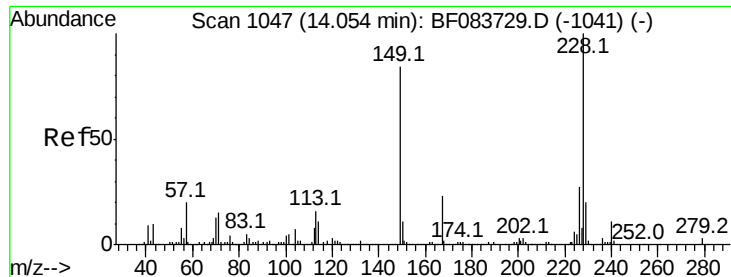
#82  
 Chrysene  
 Concen: 41.92 ng  
 RT: 14.09 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

Tgt Ion:228 Resp: 675593  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 24.6 36.8  
 229 20.2 16.2 24.2



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: 59.70 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

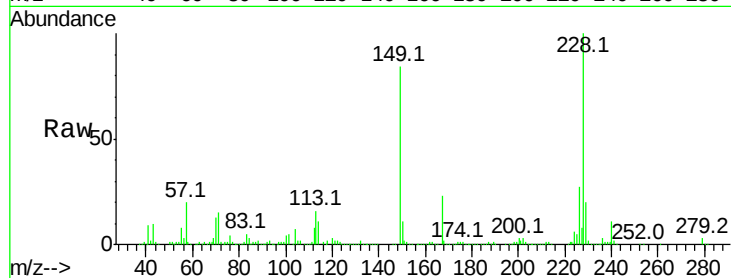
Tot Ion:149 Resp: 498565

Ion Ratio Lower Upper

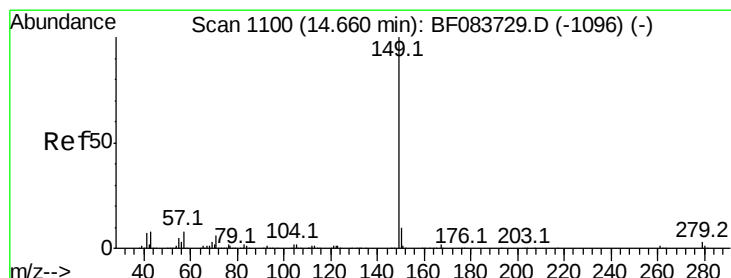
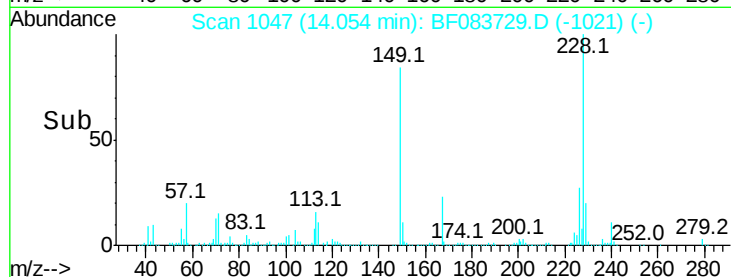
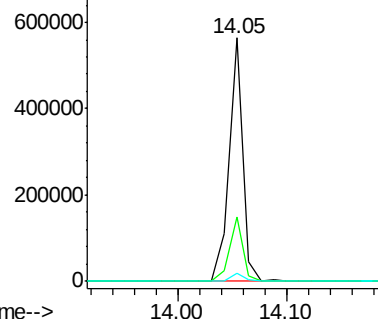
149 100

167 26.7 21.4 32.0

279 3.1 2.5 3.7



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: 60.28 ng

RT: 14.66 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

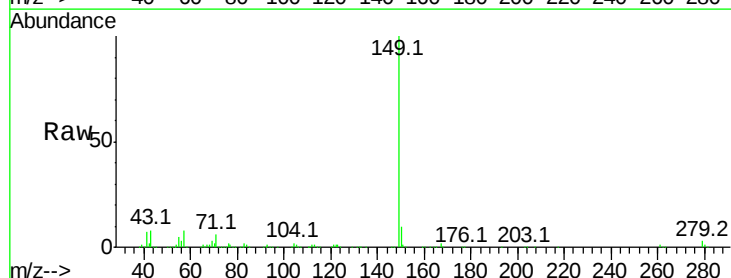
Tgt Ion:149 Resp: 776199

Ion Ratio Lower Upper

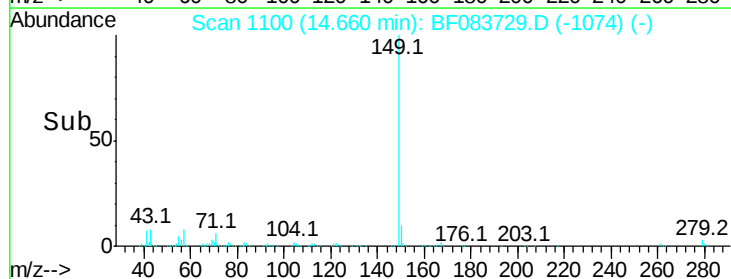
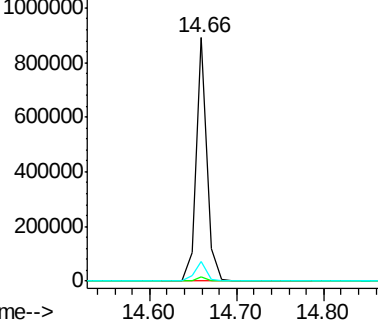
149 100

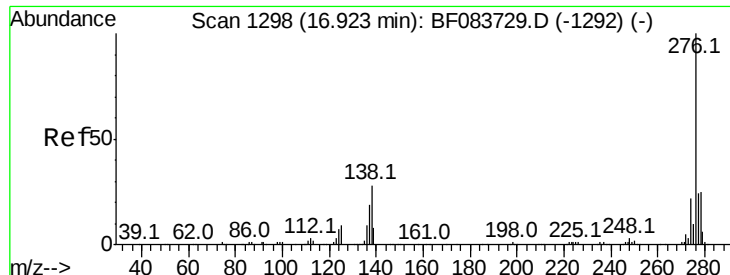
167 1.5 1.2 1.8

43 9.2 7.4 11.0



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

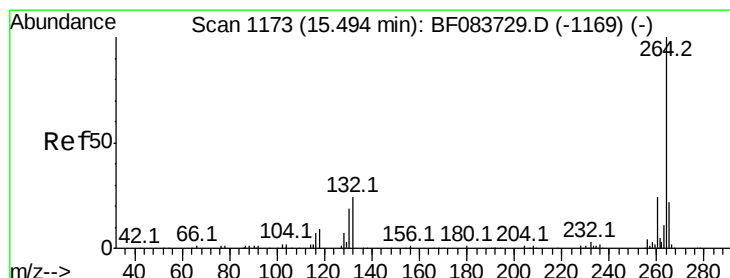
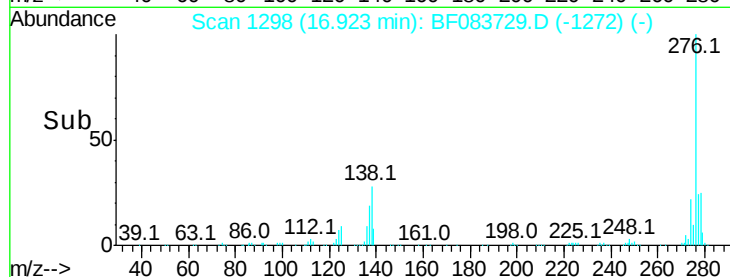
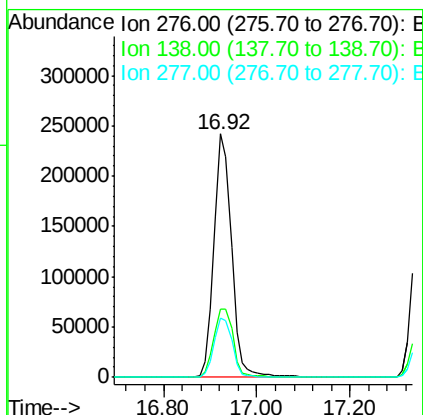
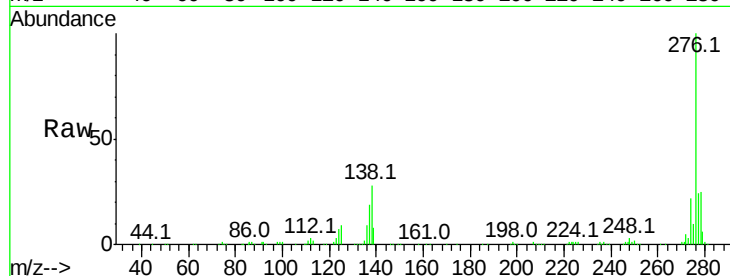




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 41.83 ng  
 RT: 16.92 min Scan# 1298  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

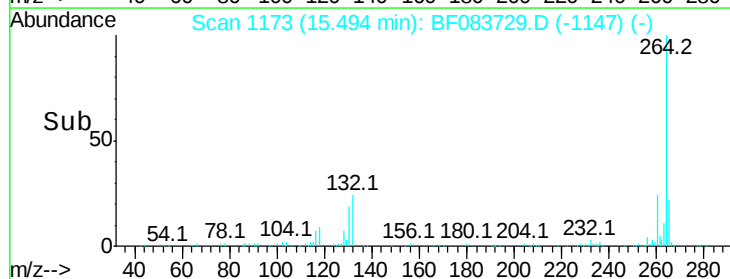
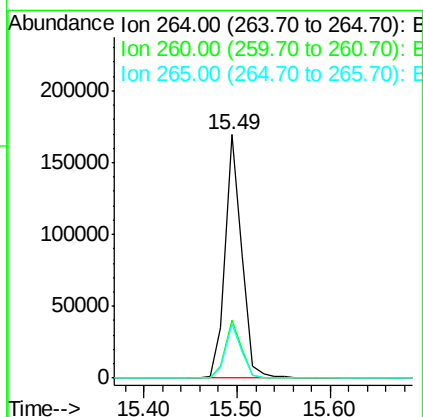
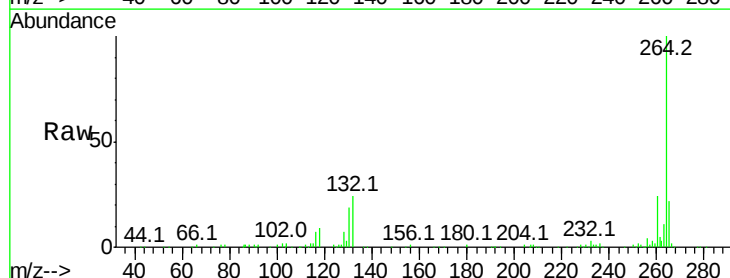
Instrument :  
 BNA\_F  
 ClientSampleId :

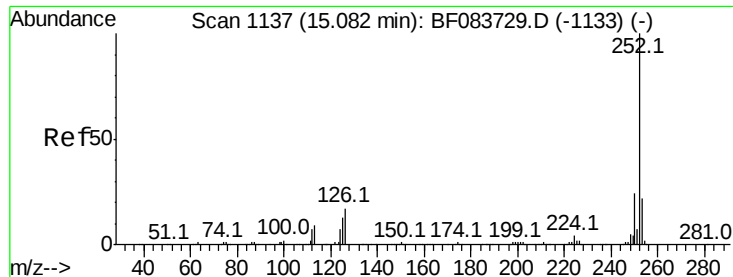
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.4  | 25.1  | 37.7  |
| 277     | 25.4  | 20.3  | 30.5  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: BF083729.D  
 Acq: 13 Dec 2015 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.3  | 28.9  |
| 265     | 22.1  | 17.7  | 26.5  |

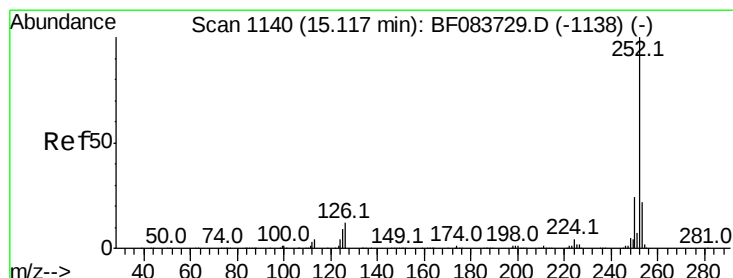
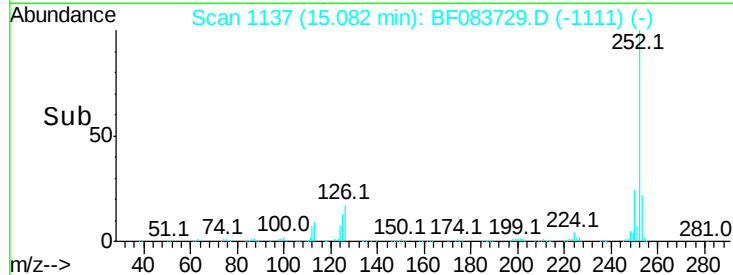
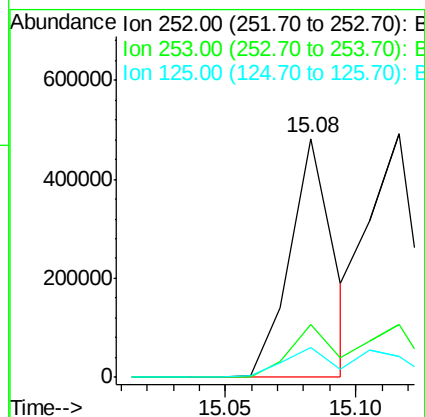
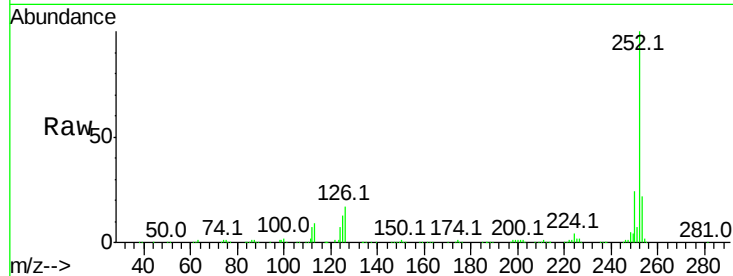




#87  
Benzo(b)fluoranthene  
Concen: 42.12 ng  
RT: 15.08 min Scan# 1137  
Delta R.T. 0.00 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

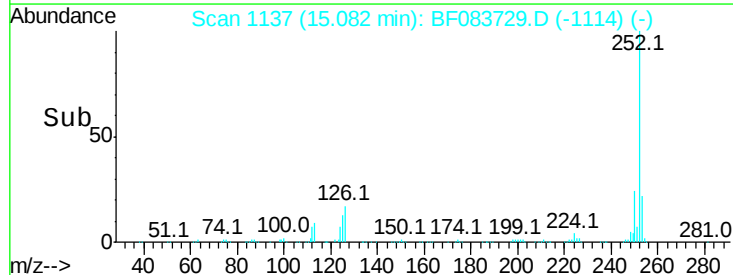
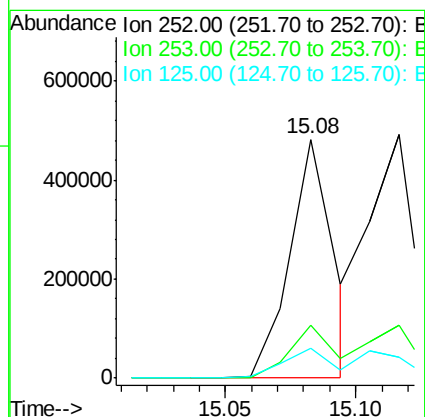
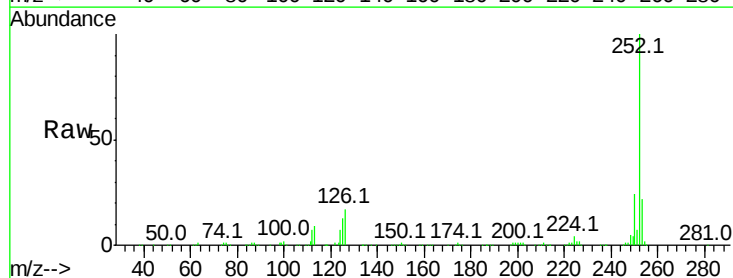
Instrument :  
BNA\_F  
ClientSampleId :

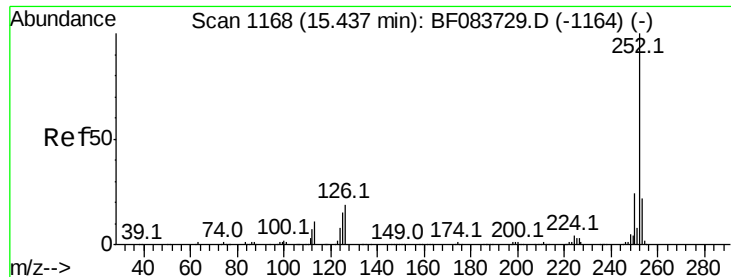
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.6  | 26.4  |
| 125     | 12.6  | 10.1  | 15.1  |



#88  
Benzo(k)fluoranthene  
Concen: 44.01 ng  
RT: 15.08 min Scan# 1137  
Delta R.T. -0.03 min  
Lab File: BF083729.D  
Acq: 13 Dec 2015 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.3  | 25.9  |
| 125     | 12.6  | 7.0   | 10.4  |





#89

Benzo(a)pyrene

Concen: 43.72 ng

RT: 15.44 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

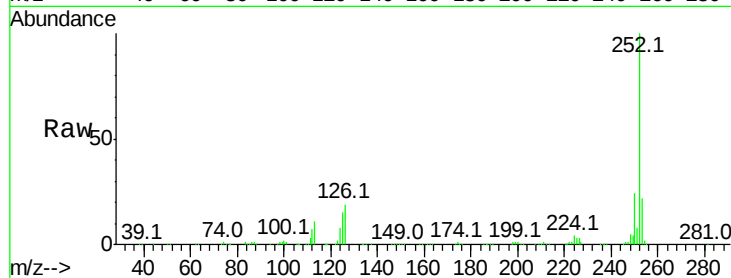
Tot Ion:252 Resp: 523846

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

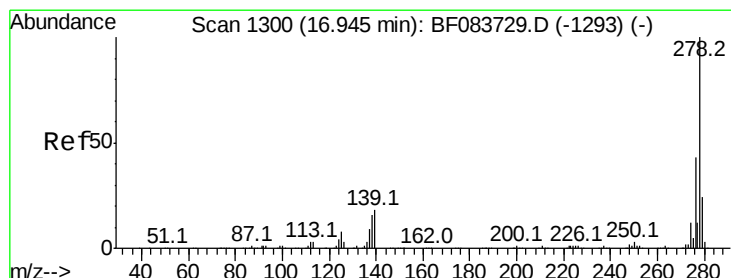
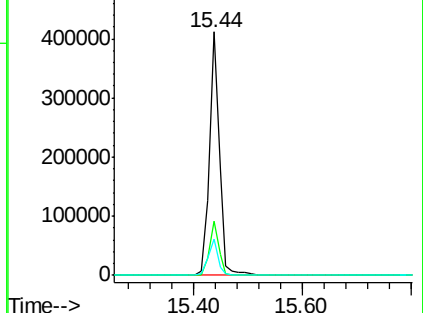
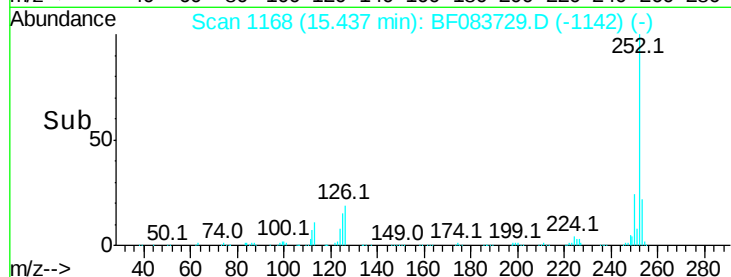
125 15.1 12.1 18.1



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: 45.21 ng

RT: 16.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

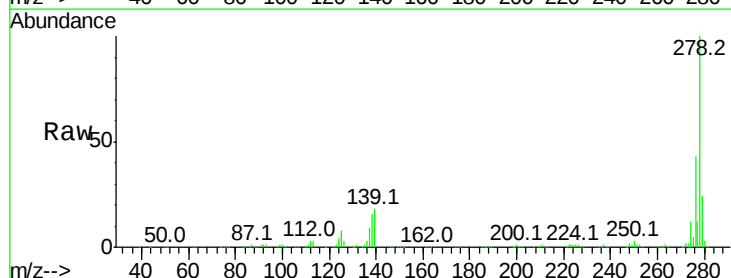
Tgt Ion:278 Resp: 532287

Ion Ratio Lower Upper

278 100

139 18.0 14.4 21.6

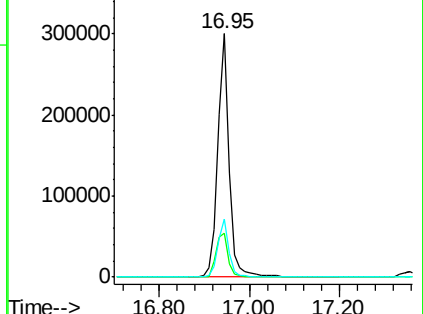
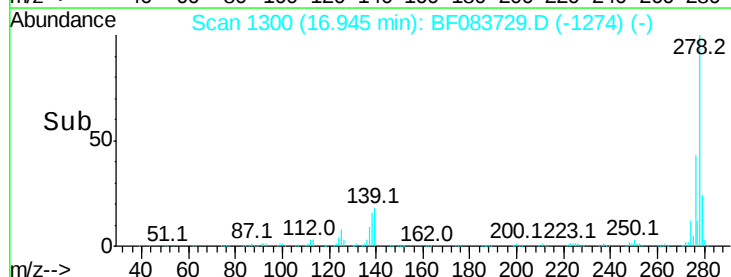
279 23.8 19.0 28.6

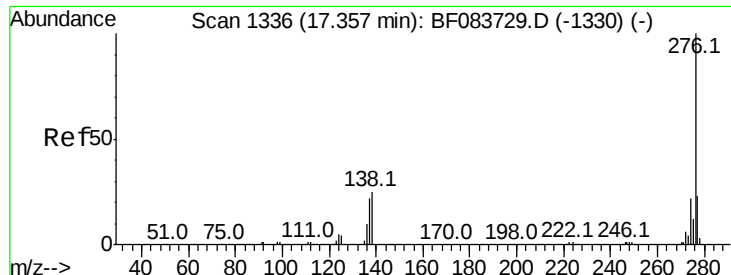


Abundance Ion 278.00 (277.70 to 278.70): E

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: 44.27 ng

RT: 17.36 min Scan# 1336

Delta R.T. 0.00 min

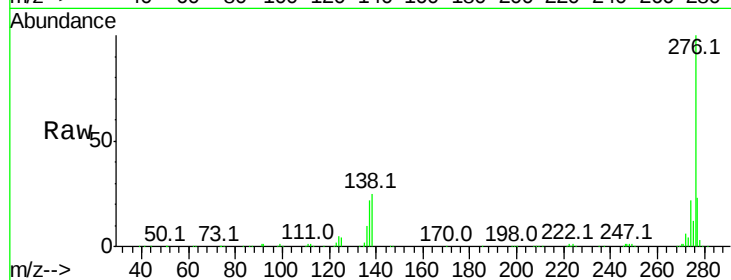
Lab File: BF083729.D

Acq: 13 Dec 2015 15:14

Instrument :

BNA\_F

ClientSampleId :



Tot Ion:276 Resp: 549299

Ion Ratio Lower Upper

276 100

277 23.2 18.6 27.8

138 25.3 20.2 30.4

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

