

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020117\  
 Data File : BF092710.D  
 Acq On : 1 Feb 2017 17:58  
 Operator : SJ/MA  
 Sample : I1615-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-6

Quant Time: Feb 01 23:49:57 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 14:50:05 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 157497   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.24  | 136  | 600749   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 322753   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.48 | 188  | 505116   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.12 | 240  | 429067   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.59 | 264  | 306671   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.56  | 112  | 1304780  | 142.13 | ng    | -0.01    |
| 7) Phenol-d6                | 6.59  | 99   | 1599722  | 135.43 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 1074810  | 99.63  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 351809   | 150.71 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1834588  | 102.98 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.07 | 244  | 1409948  | 77.21  | ng    | -0.01    |

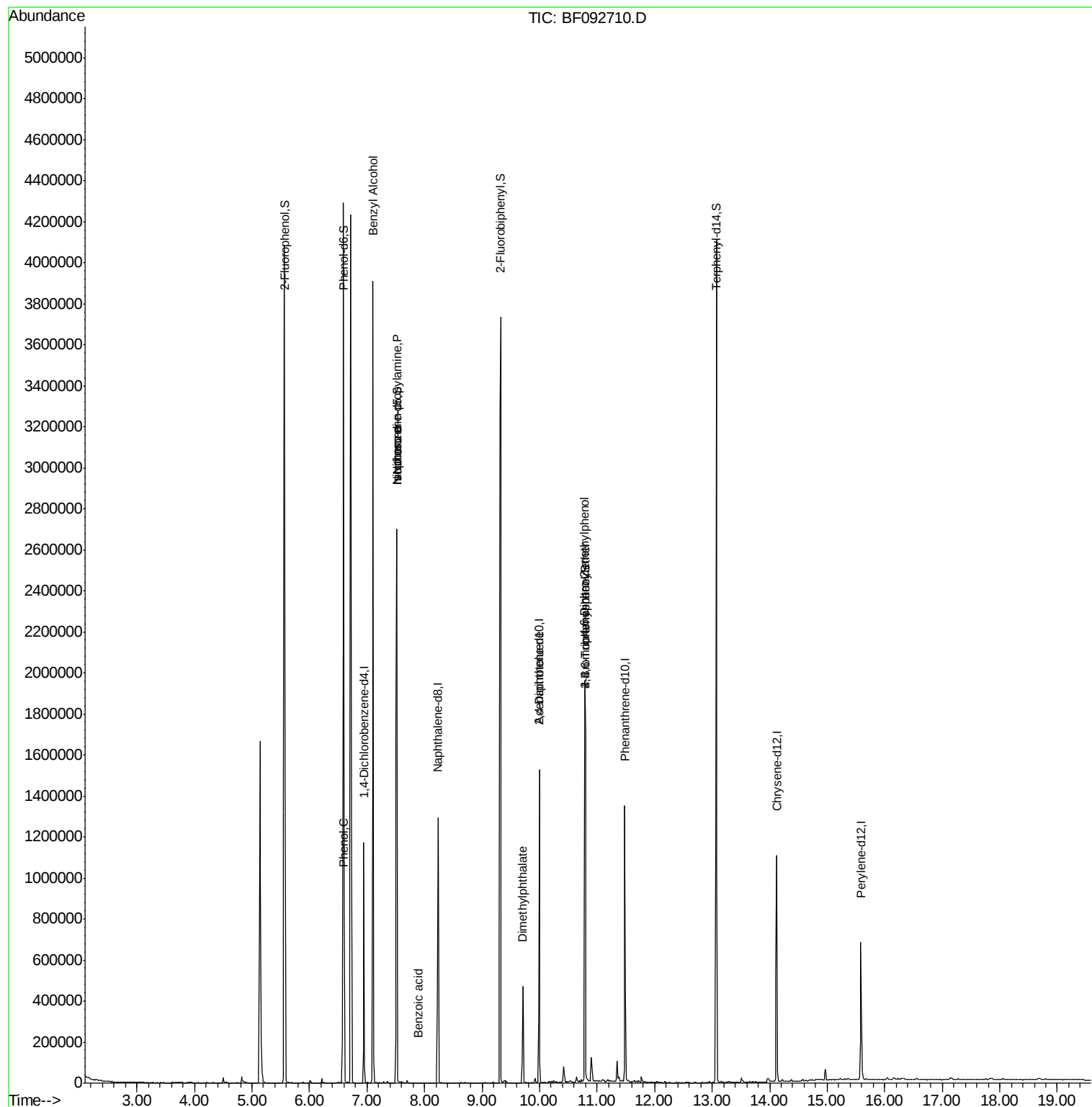
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 10) Phenol                     | 6.60  | 94   | 171155   | 12.38 | ng    | # 68   |
| 15) Benzyl Alcohol             | 7.10  | 79   | 19203    | 2.20  | ng    | # 30   |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 142657   | 18.97 | ng    | # 77   |
| 25) Isophorone                 | 7.52  | 82   | 1025989  | 51.04 | ng    | # 65   |
| 32) Benzoic acid               | 7.89  | 122  | 279      | 7.21  | ng    | # 1    |
| 49) Dimethylphthalate          | 9.71  | 163  | 191986   | 8.83  | ng    | 99     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 41399    | 6.62  | ng    | # 20   |
| 64) 4,6-Dinitro-2-methylphenol | 10.78 | 198  | 776      | 2.91  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 24888    | 4.72  | ng    | # 1    |

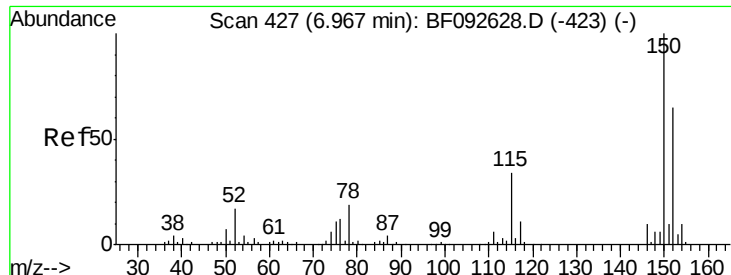
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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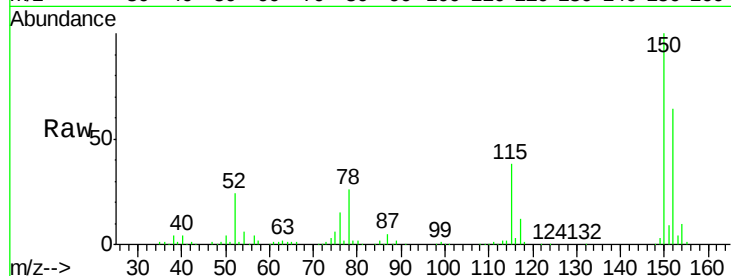


#1

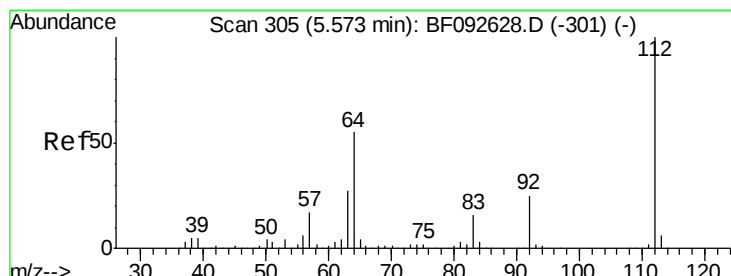
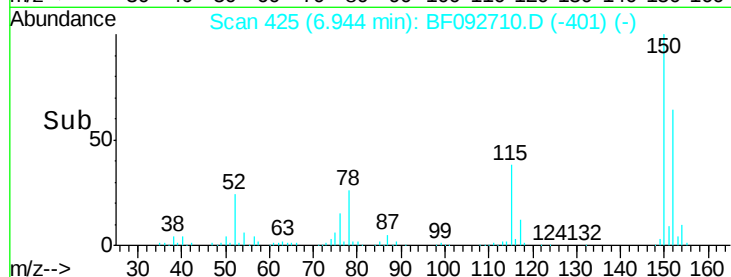
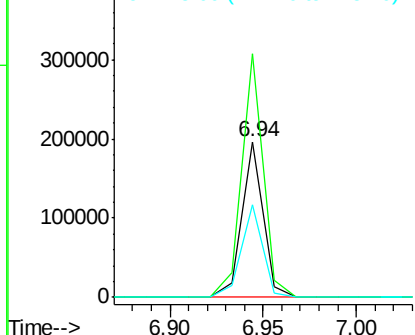
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.94 min Scan# 425  
Delta R.T. -0.02 min  
Lab File: BF092710.D  
Acq: 1 Feb 2017 17:58

Instrument :  
BNA\_F  
ClientSampleId :  
SS-6

Tgt Ion:152 Resp: 157497  
Ion Ratio Lower Upper  
152 100  
150 156.4 124.9 187.3  
115 59.6 46.0 69.0



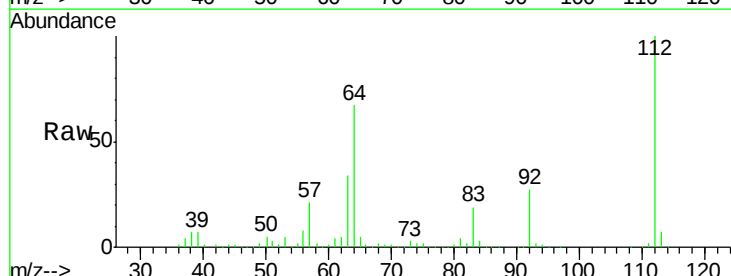
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



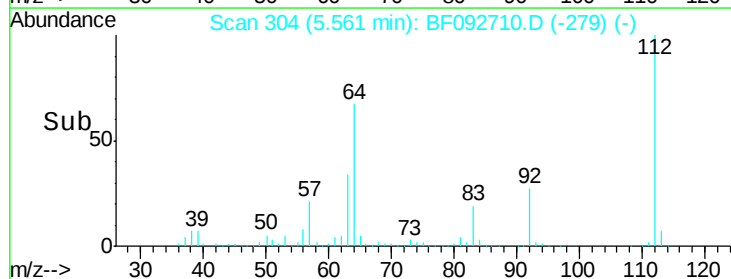
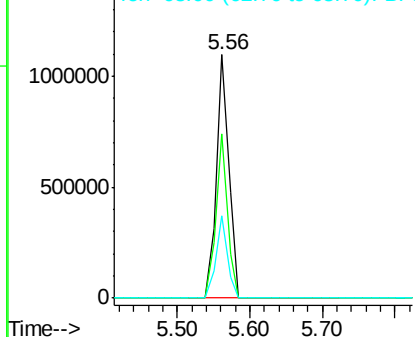
#5

2-Fluorophenol  
Concen: 142.13 ng  
RT: 5.56 min Scan# 304  
Delta R.T. -0.01 min  
Lab File: BF092710.D  
Acq: 1 Feb 2017 17:58

Tgt Ion:112 Resp: 1304780  
Ion Ratio Lower Upper  
112 100  
64 67.2 46.1 69.1  
63 33.9 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.43 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092710.D

Acq: 1 Feb 2017 17:58

Instrument :

BNA\_F

ClientSampleId :

SS-6

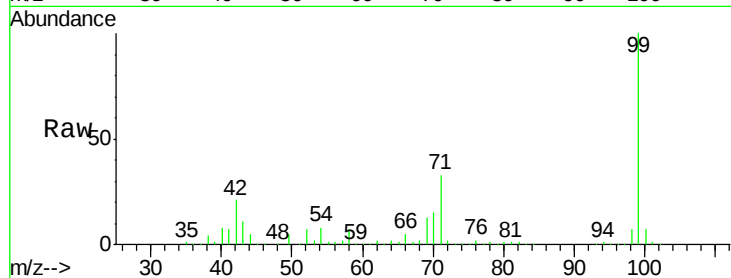
Tgt Ion: 99 Resp: 1599722

Ion Ratio Lower Upper

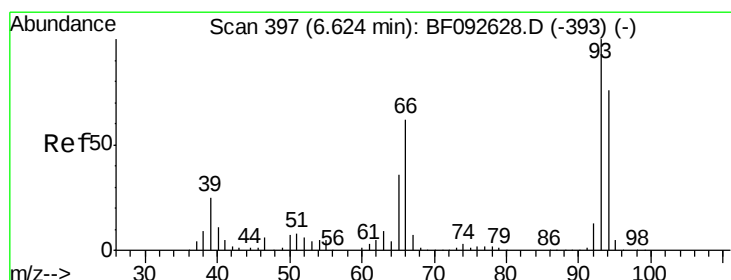
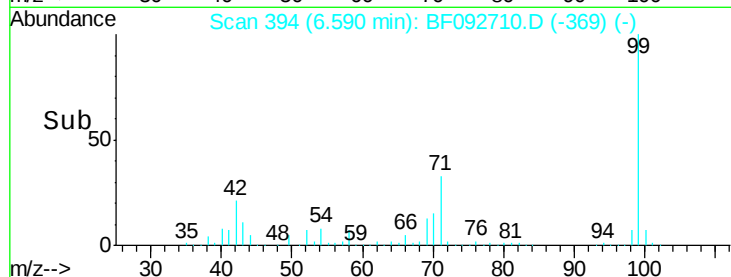
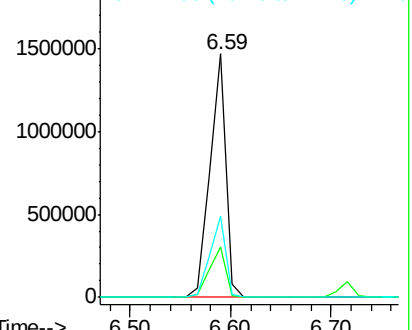
99 100

42 20.8 15.6 23.4

71 33.3 27.5 41.3



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



#10

Phenol

Concen: 12.38 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF092710.D

Acq: 1 Feb 2017 17:58

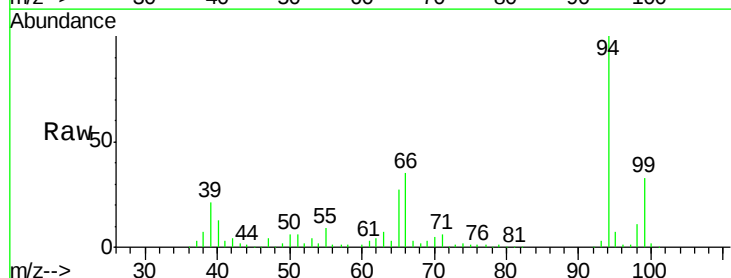
Tgt Ion: 94 Resp: 171155

Ion Ratio Lower Upper

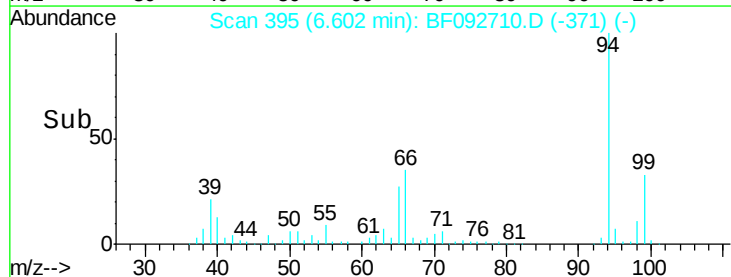
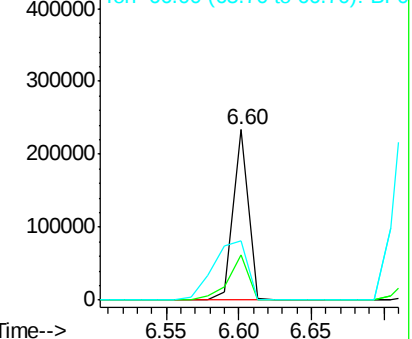
94 100

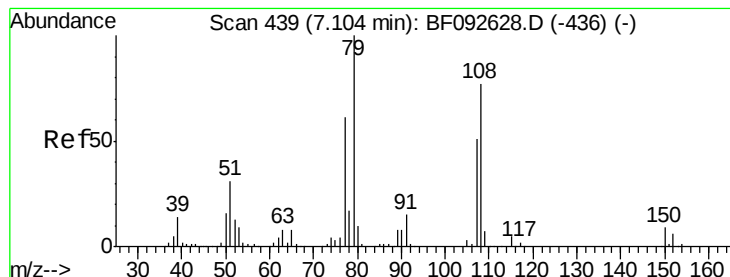
65 26.8 21.4 61.4

66 34.6 44.0 84.0#



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





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF092710.D

Acq: 1 Feb 2017 17:58

Instrument :

BNA\_F

ClientSampleId :

SS-6

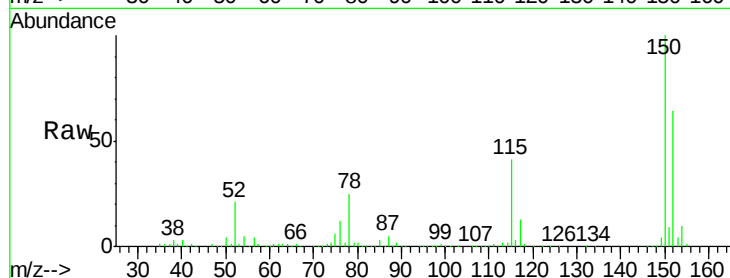
Tgt Ion: 79 Resp: 19203

Ion Ratio Lower Upper

79 100

108 26.0 61.4 92.0#

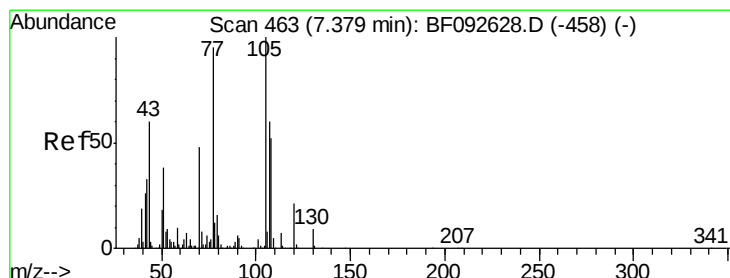
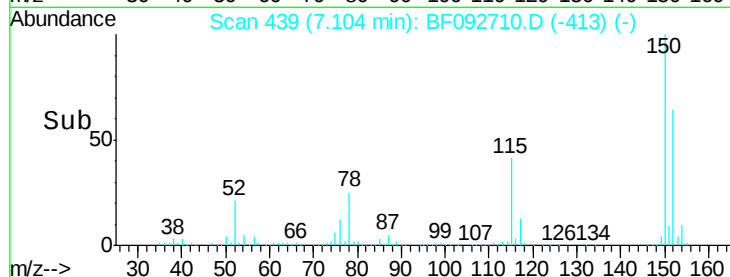
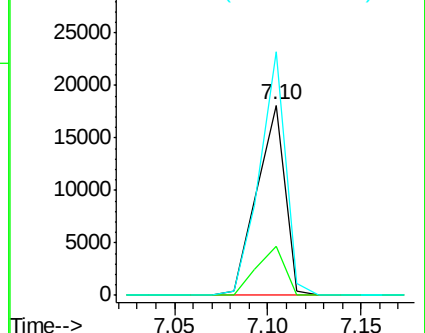
77 128.0 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.97 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092710.D

Acq: 1 Feb 2017 17:58

Tgt Ion: 70 Resp: 142657

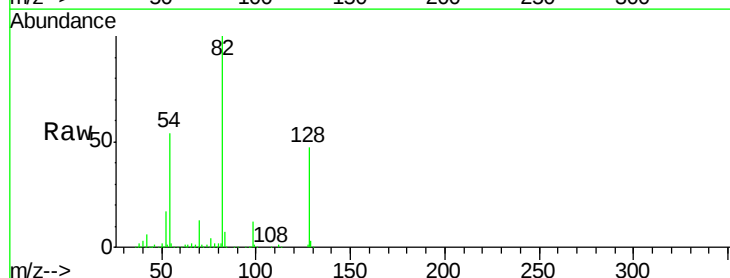
Ion Ratio Lower Upper

70 100

42 47.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

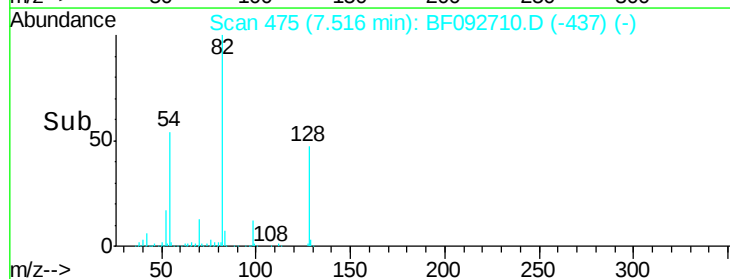
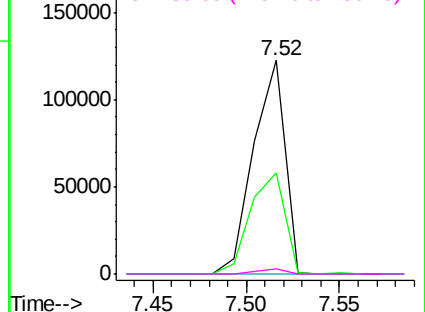


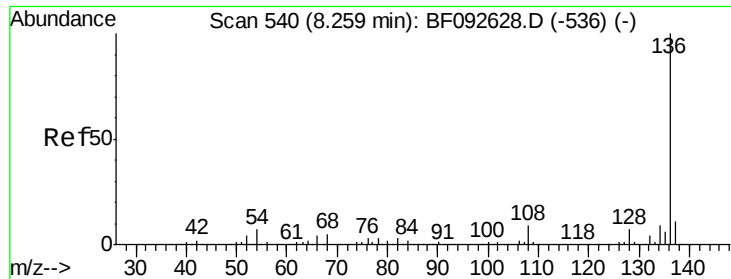
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

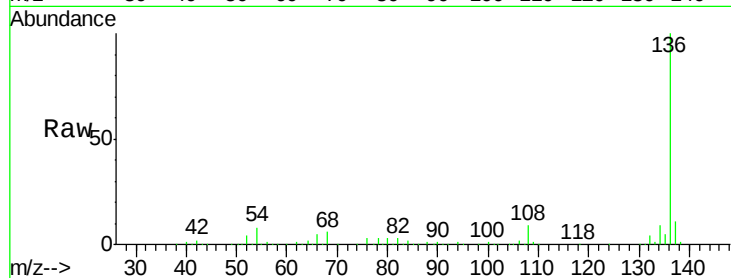




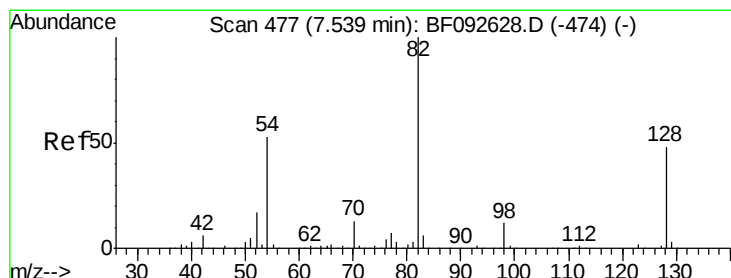
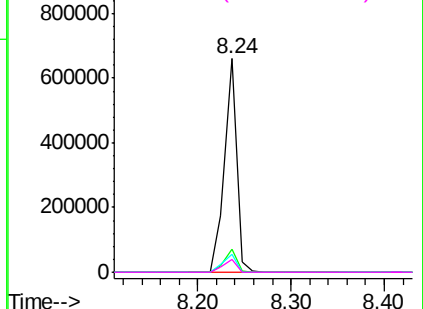
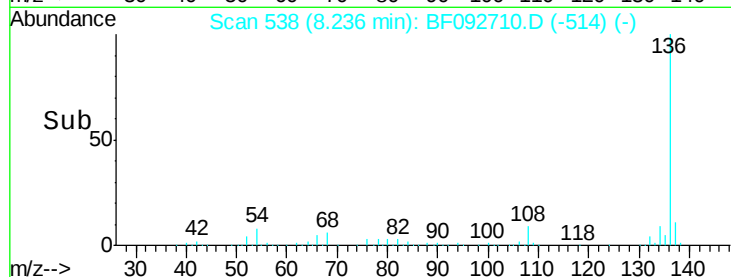
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.24 min Scan# 538  
Delta R.T. -0.02 min  
Lab File: BF092710.D  
Acq: 1 Feb 2017 17:58

Instrument :  
BNA\_F  
ClientSampleId :  
SS-6

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 600749 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.4   | 12.6   |
| 54       | 8.3   | 4.5   | 6.7#   |
| 68       | 6.1   | 3.6   | 5.4#   |

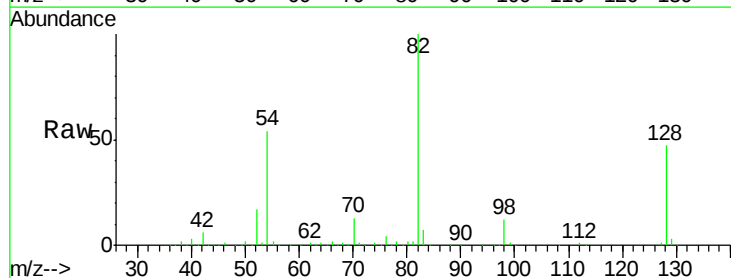


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

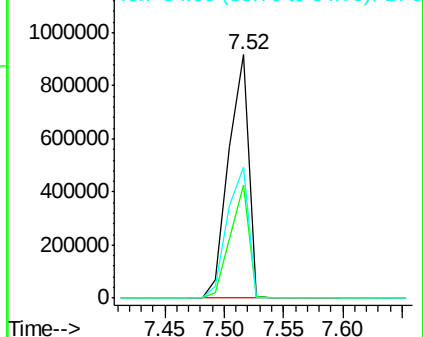
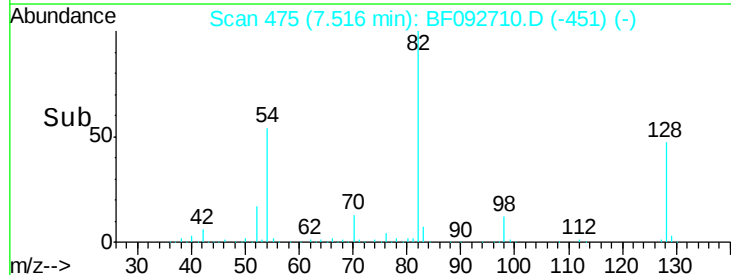


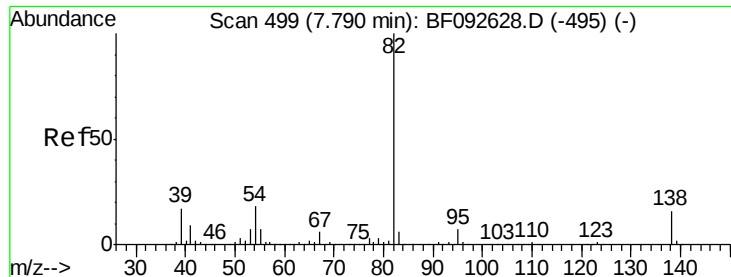
#23  
Nitrobenzene-d5  
Concen: 99.63 ng  
RT: 7.52 min Scan# 475  
Delta R.T. -0.02 min  
Lab File: BF092710.D  
Acq: 1 Feb 2017 17:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1074810 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 46.7  | 34.6  | 52.0    |
| 54       | 53.9  | 39.5  | 59.3    |



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





#25

Isophorone

Concen: 51.04 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

Lab File: BF092710.D

Acq: 1 Feb 2017 17:58

Instrument :

BNA\_F

ClientSampleId :

SS-6

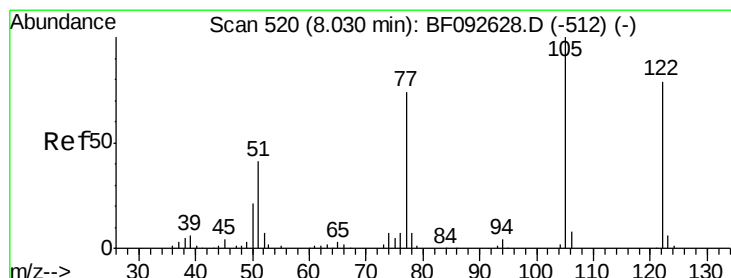
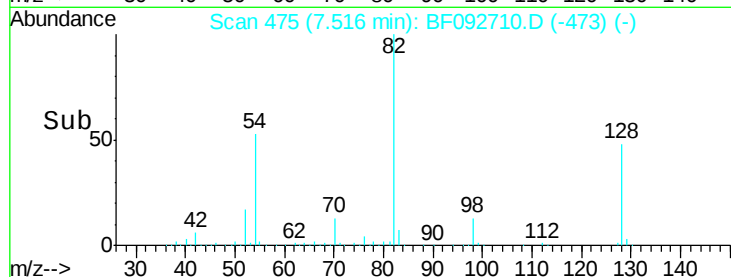
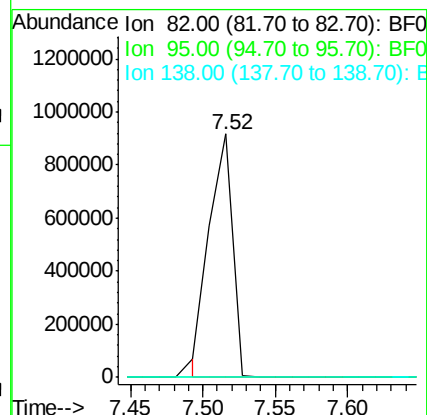
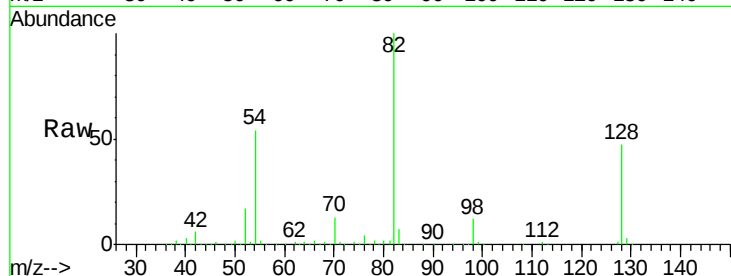
Tgt Ion: 82 Resp: 1025989

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 7.21 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.14 min

Lab File: BF092710.D

Acq: 1 Feb 2017 17:58

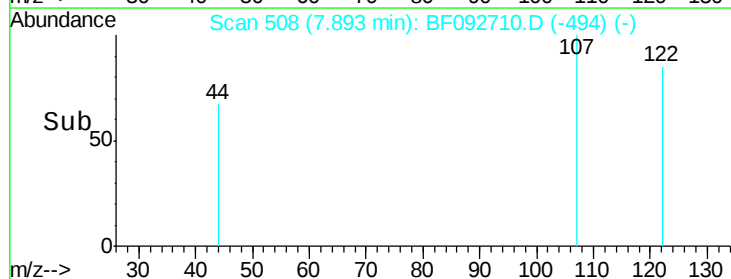
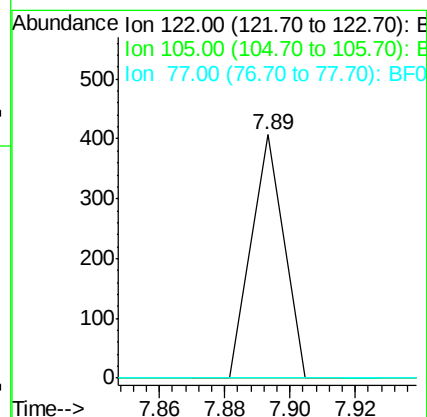
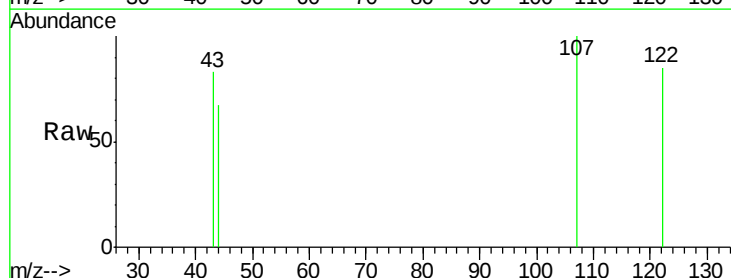
Tgt Ion: 122 Resp: 279

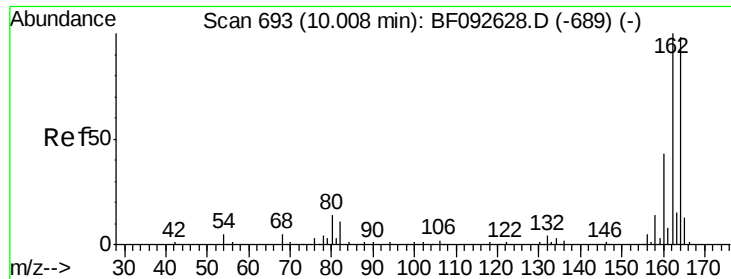
Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

77 0.0 74.5 114.5#

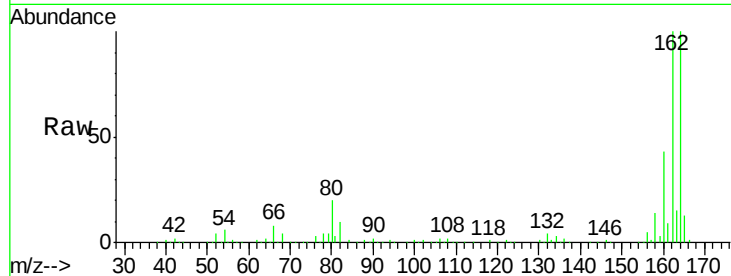




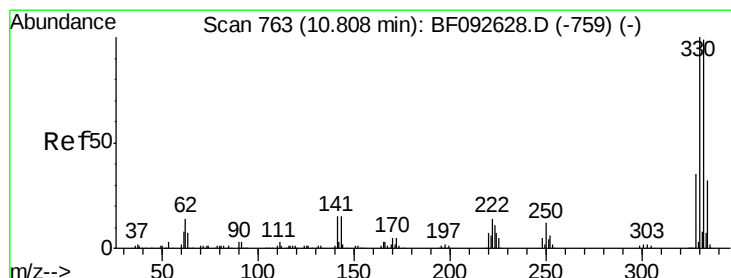
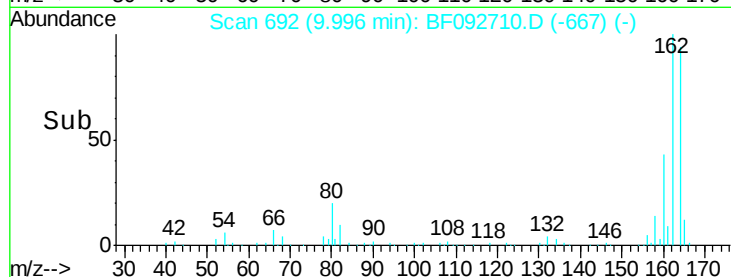
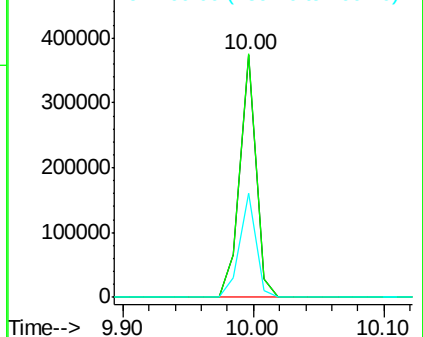
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.00 min Scan# 692  
Delta R.T. -0.01 min  
Lab File: BF092710.D  
Acq: 1 Feb 2017 17:58

Instrument :  
BNA\_F  
ClientSampleId :  
SS-6

Tgt Ion:164 Resp: 322753  
Ion Ratio Lower Upper  
164 100  
162 100.4 80.2 120.2  
160 42.8 36.9 55.3

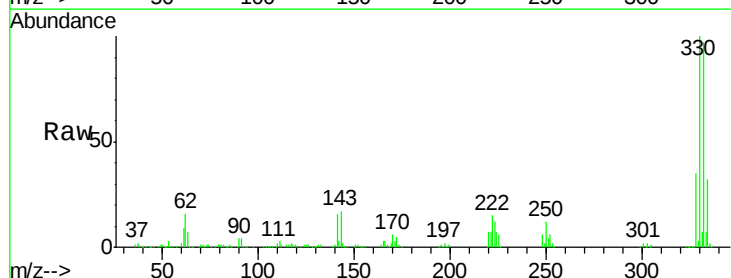


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



#41  
2,4,6-Tribromophenol  
Concen: 150.71 ng  
RT: 10.80 min Scan# 762  
Delta R.T. -0.01 min  
Lab File: BF092710.D  
Acq: 1 Feb 2017 17:58

Tgt Ion:330 Resp: 351809  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.4 116.2  
141 32.6 34.1 51.1#



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

