

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\  
 Data File : BF095970.D  
 Acq On : 16 Jun 2017 22:59  
 Operator : SJ/MA  
 Sample : I3681-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 17 00:38:40 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 17:12:03 2017  
 Response via : Initial Calibration

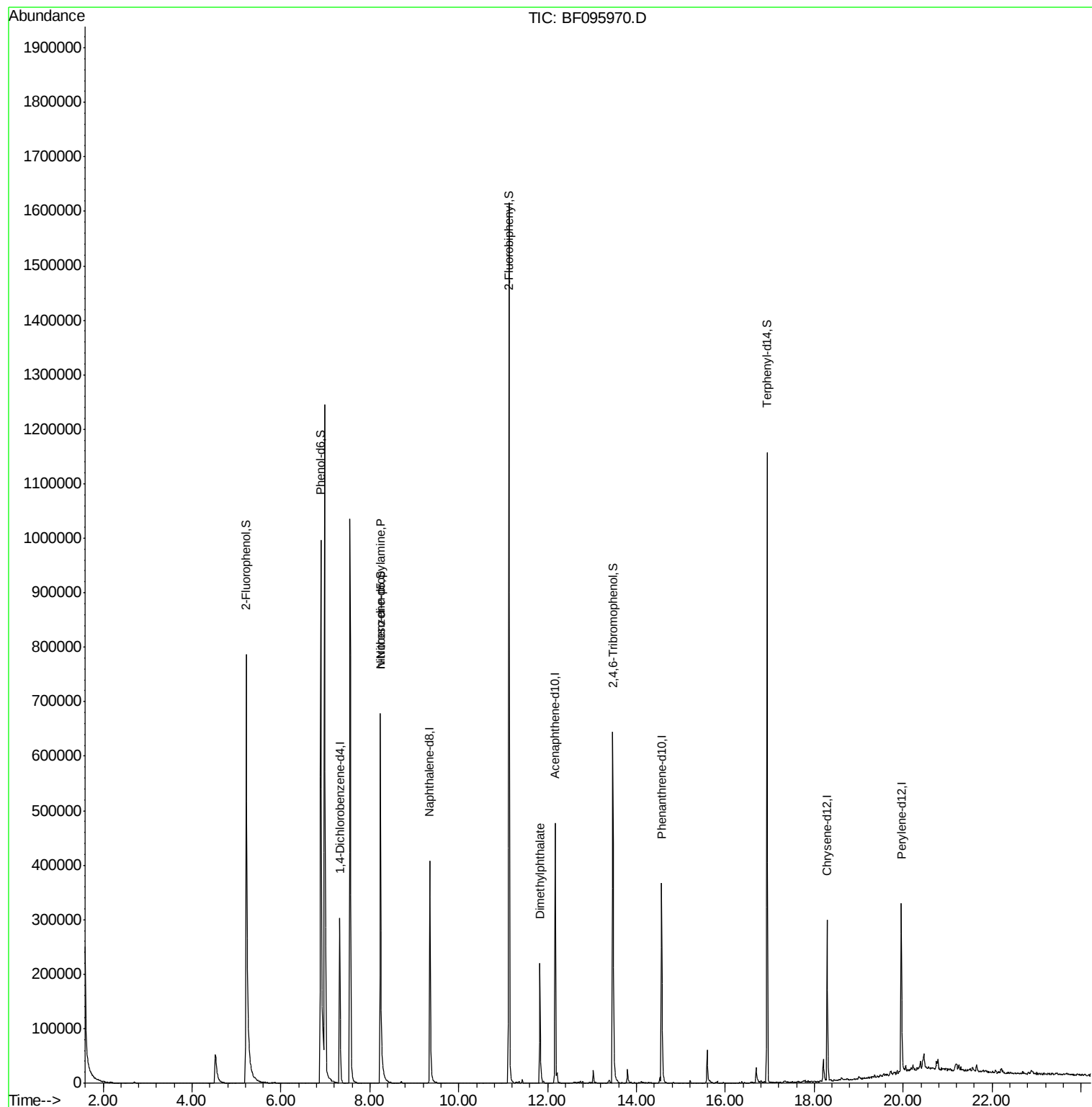
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.32  | 152  | 75208    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 9.35  | 136  | 310436   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10           | 12.17 | 164  | 135264   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10           | 14.56 | 188  | 214649   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12               | 18.29 | 240  | 149930   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12               | 19.96 | 264  | 148417   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.22  | 112  | 538252   | 114.04 | ng    | 0.00        |
| 7) Phenol-d6                   | 6.90  | 99   | 662968   | 117.33 | ng    | -0.01       |
| 23) Nitrobenzene-d5            | 8.24  | 82   | 375885   | 75.20  | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol       | 13.47 | 330  | 121701   | 101.69 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl           | 11.13 | 172  | 738667   | 75.99  | ng    | 0.00        |
| 78) Terphenyl-d14              | 16.94 | 244  | 449881   | 74.47  | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 8.24  | 70   | 47433    | 13.25  | ng    | Qvalue # 78 |
| 49) Dimethylphthalate          | 11.83 | 163  | 152631   | 14.86  | ng    | 99          |

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

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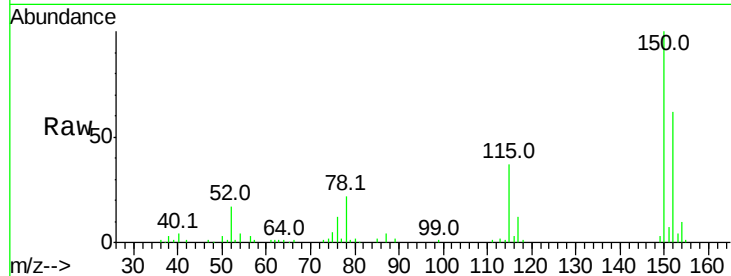


#1

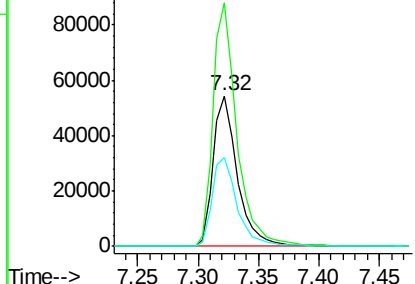
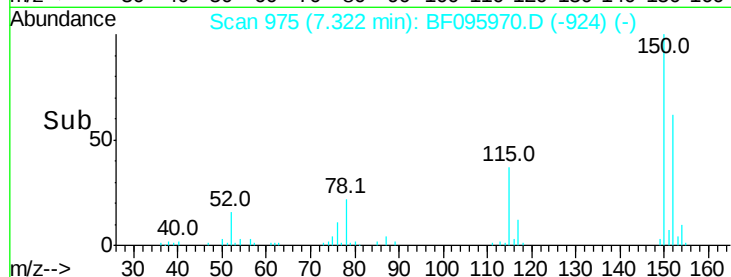
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.32 min Scan# 975  
Delta R.T. 0.00 min  
Lab File: BF095970.D  
Acq: 16 Jun 2017 22:59

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 75208  
Ion Ratio Lower Upper  
152 100  
150 162.1 126.2 189.2  
115 59.5 52.2 78.2



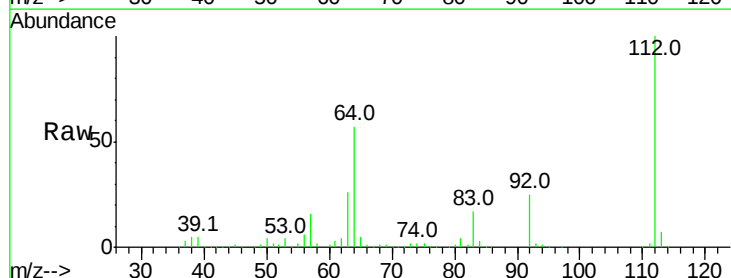
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



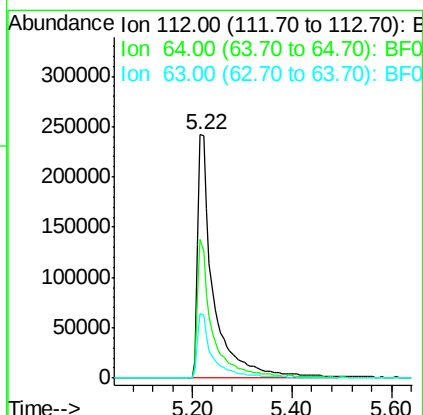
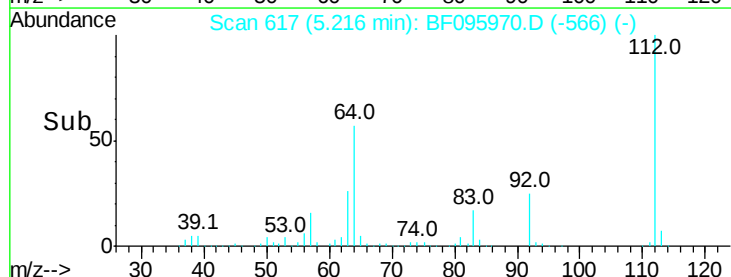
#5

2-Fluorophenol  
Concen: 114.04 ng  
RT: 5.22 min Scan# 617  
Delta R.T. 0.00 min  
Lab File: BF095970.D  
Acq: 16 Jun 2017 22:59

Tgt Ion:112 Resp: 538252  
Ion Ratio Lower Upper  
112 100  
64 57.0 46.0 69.0  
63 26.3 23.4 35.0



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: 117.33 ng

RT: 6.90 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF095970.D

Acq: 16 Jun 2017 22:59

Instrument :

BNA\_F

ClientSampled :

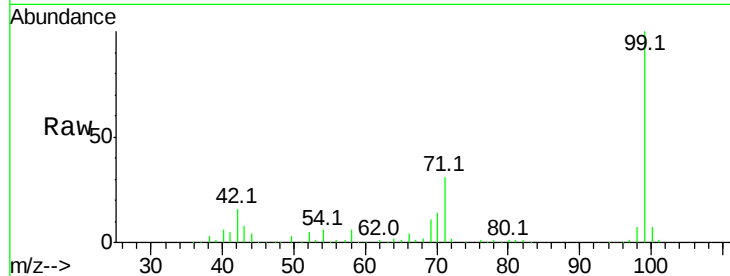
Tot Ion: 99 Resp: 662968

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

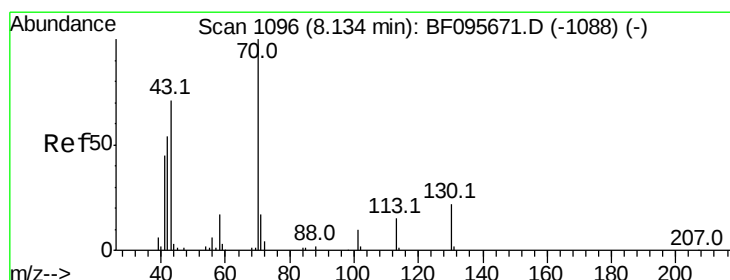
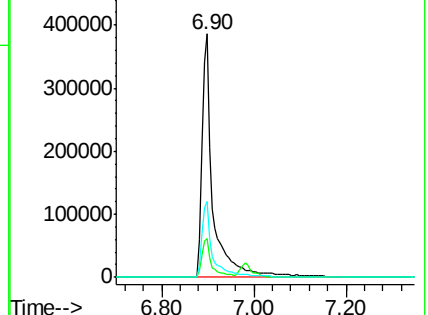
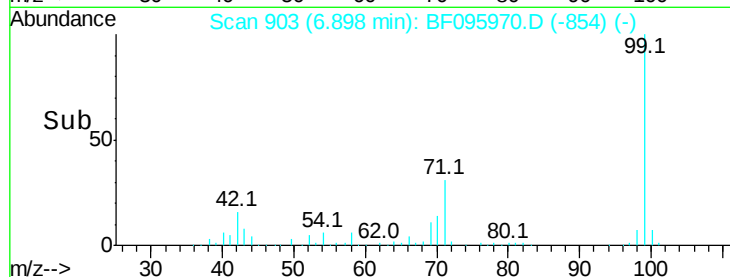
71 31.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.25 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095970.D

Acq: 16 Jun 2017 22:59

Tgt Ion: 70 Resp: 47433

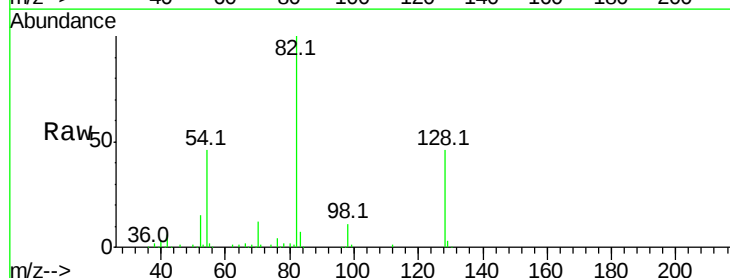
Ion Ratio Lower Upper

70 100

42 47.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

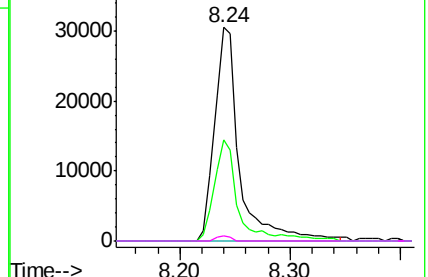
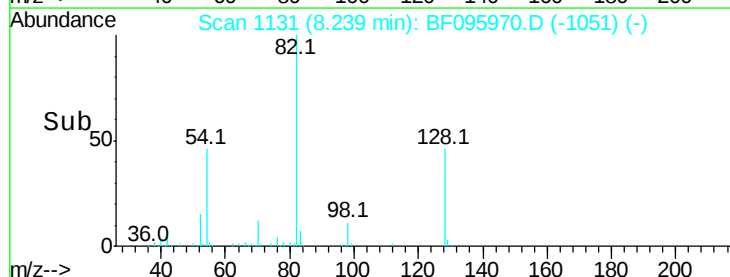


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.35 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF095970.D

Acq: 16 Jun 2017 22:59

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 310436

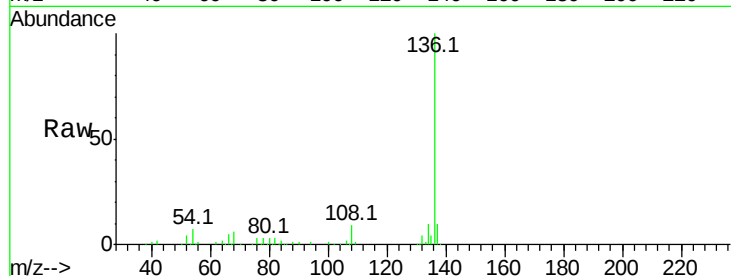
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.0 4.9 7.3

68 6.0 4.1 6.1

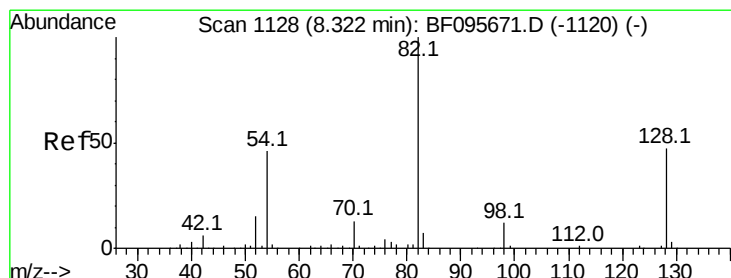
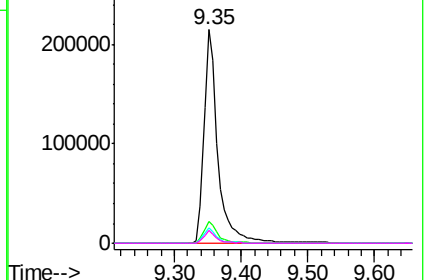
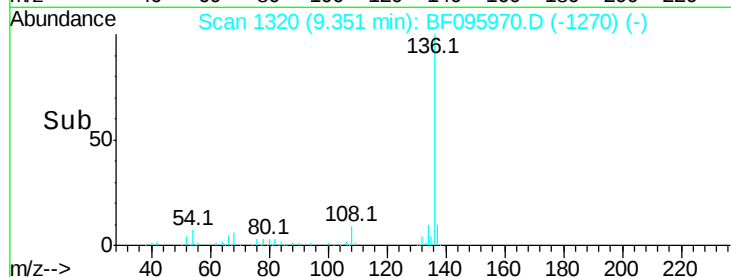


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 75.20 ng

RT: 8.24 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF095970.D

Acq: 16 Jun 2017 22:59

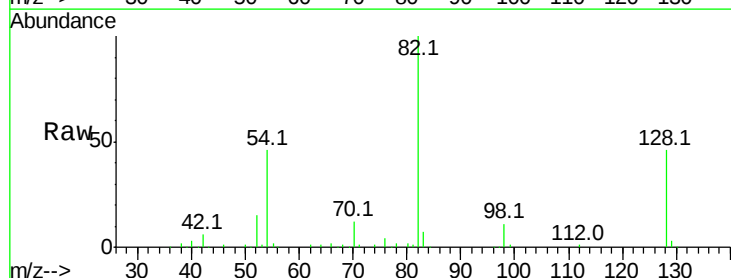
Tgt Ion: 82 Resp: 375885

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

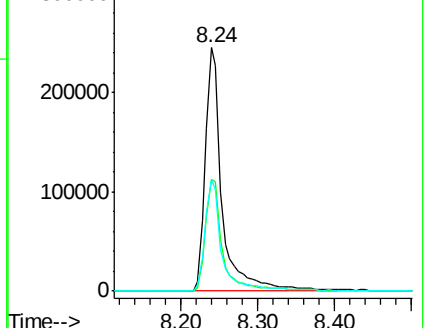
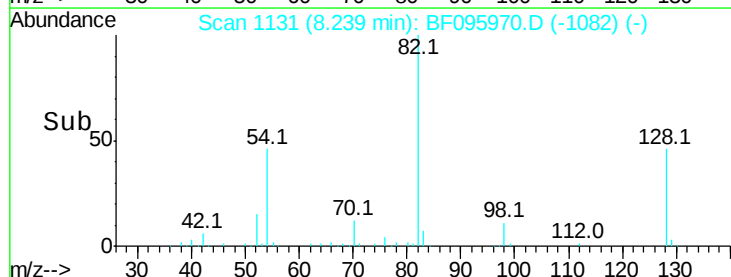
54 45.9 42.2 63.2



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

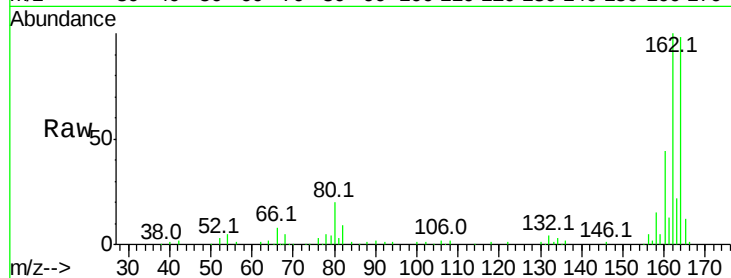




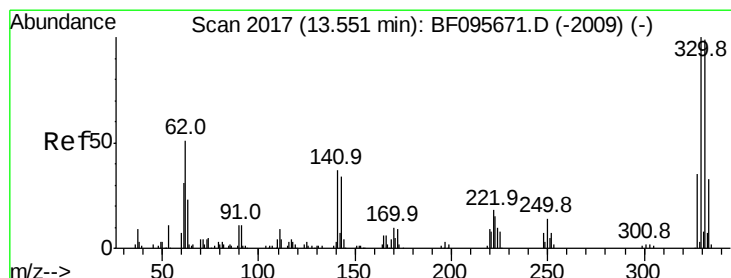
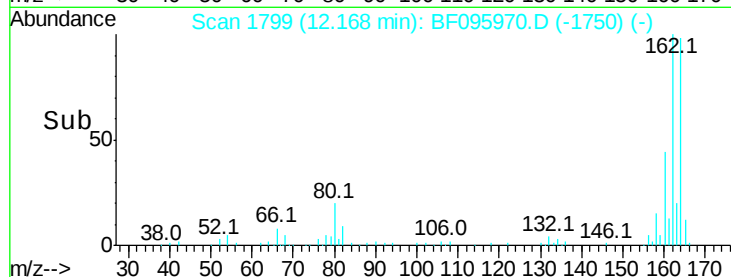
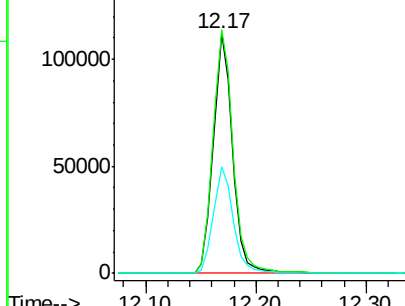
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.17 min Scan# 1799  
 Delta R.T. -0.01 min  
 Lab File: BF095970.D  
 Acq: 16 Jun 2017 22:59

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 135264  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 82.6 123.8  
 160 44.5 36.2 54.2

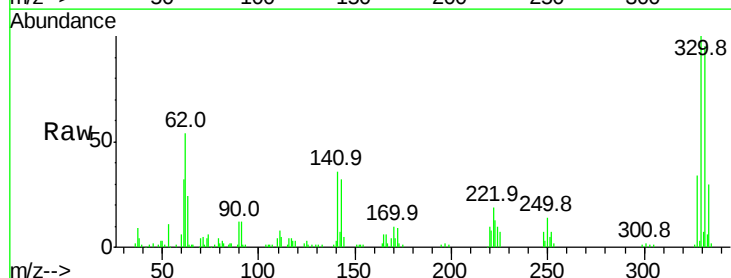


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

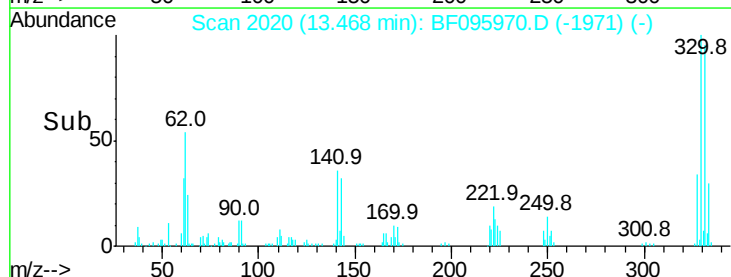
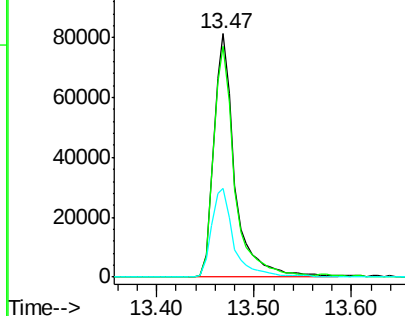


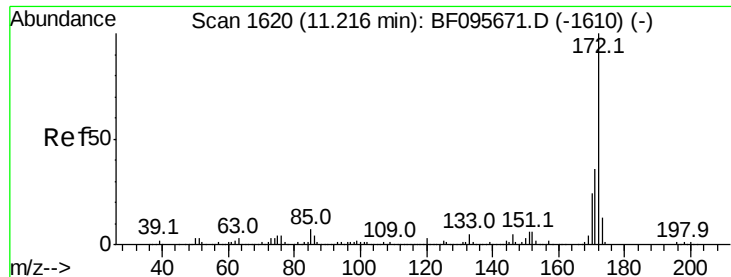
#41  
 2,4,6-Tribromophenol  
 Concen: 101.69 ng  
 RT: 13.47 min Scan# 2020  
 Delta R.T. -0.01 min  
 Lab File: BF095970.D  
 Acq: 16 Jun 2017 22:59

Tgt Ion:330 Resp: 121701  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 76.6 115.0  
 141 38.6 31.4 47.2



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

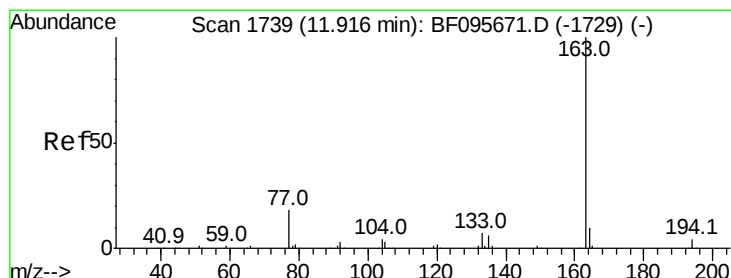
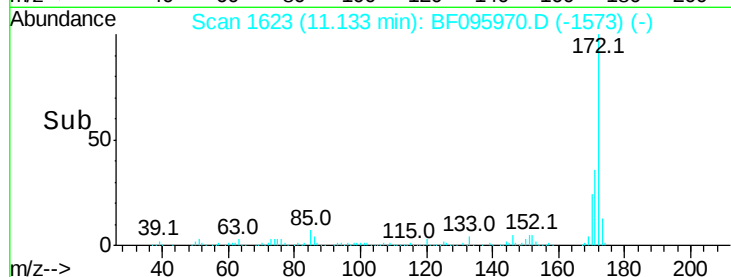
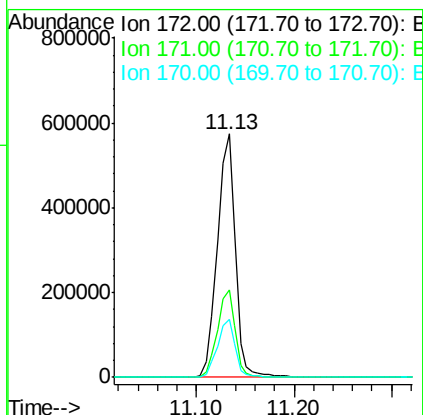
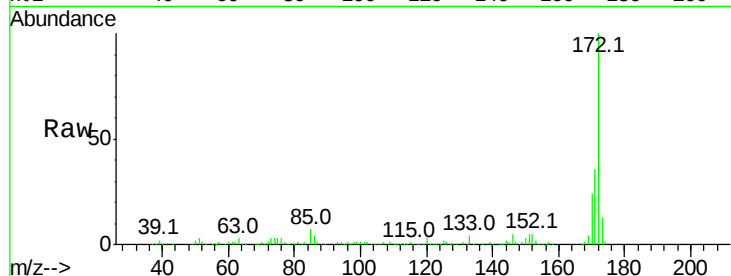




#44  
2-Fluorobiphenyl  
Concen: 75.99 ng  
RT: 11.13 min Scan# 1623  
Delta R.T. -0.01 min  
Lab File: BF095970.D  
Acq: 16 Jun 2017 22:59

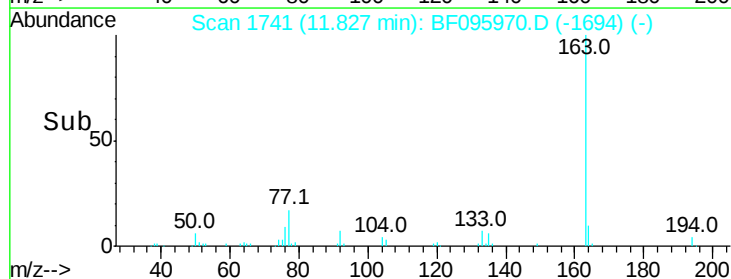
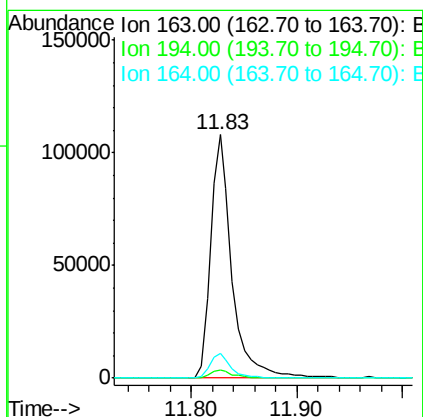
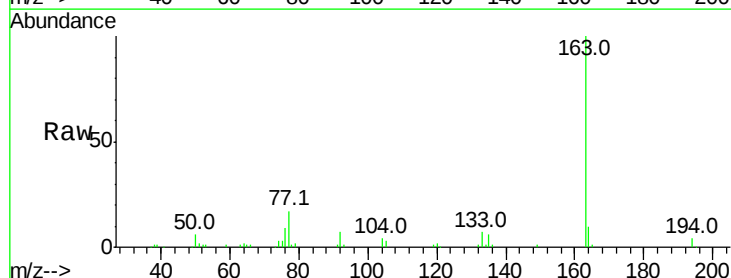
Instrument :  
BNA\_F  
ClientSampleId :

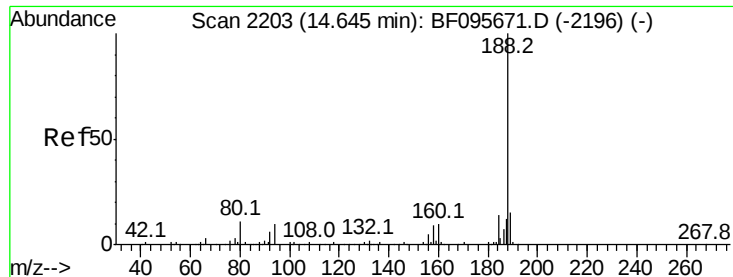
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.6  | 44.4  |
| 170     | 23.7  | 19.8  | 29.8  |



#49  
Dimethylphthalate  
Concen: 14.86 ng  
RT: 11.83 min Scan# 1741  
Delta R.T. -0.02 min  
Lab File: BF095970.D  
Acq: 16 Jun 2017 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 2.6   | 4.0   |
| 164     | 10.2  | 8.4   | 12.6  |

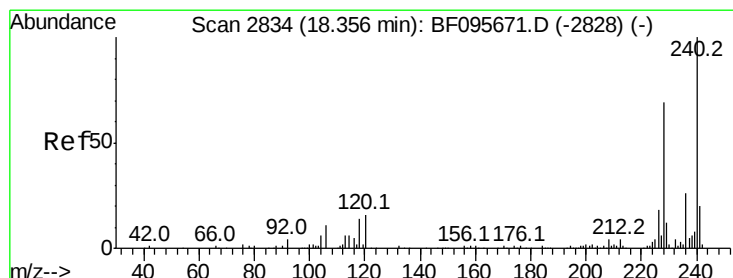
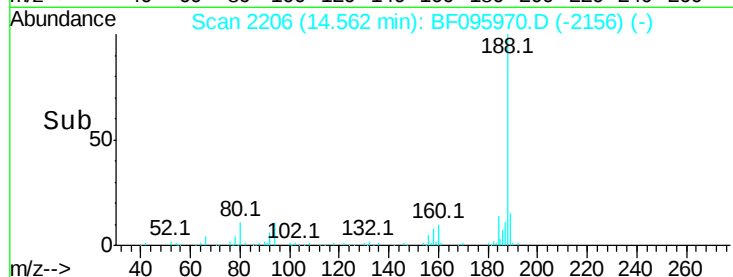
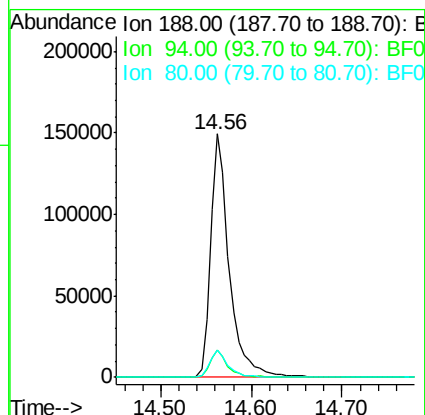
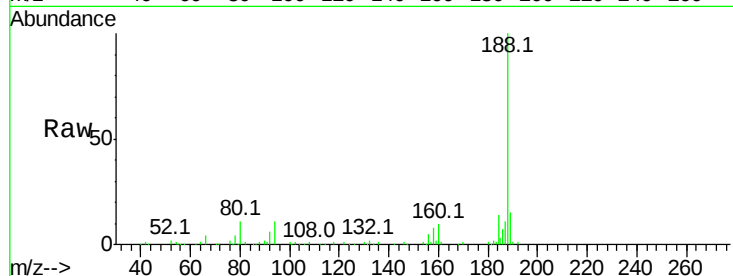




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.56 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF095970.D  
Acq: 16 Jun 2017 22:59

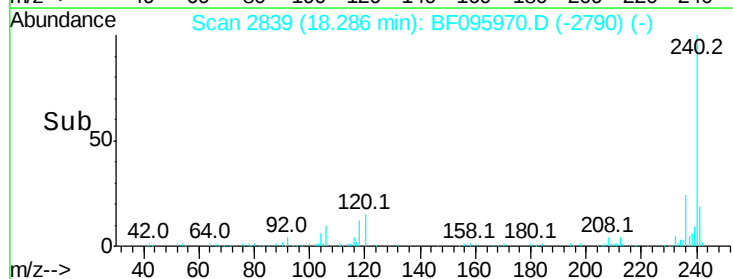
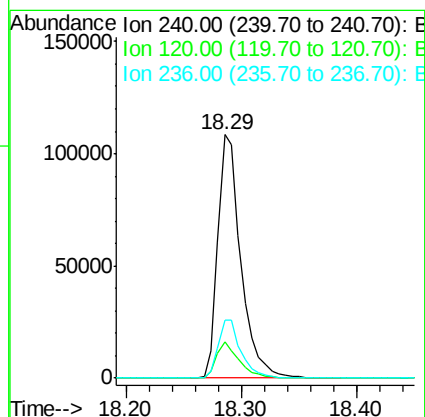
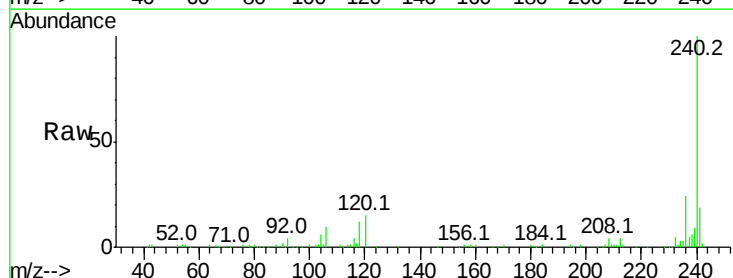
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 214649  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.2  
80 11.4 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.29 min Scan# 2839  
Delta R.T. -0.01 min  
Lab File: BF095970.D  
Acq: 16 Jun 2017 22:59

Tgt Ion:240 Resp: 149930  
Ion Ratio Lower Upper  
240 100  
120 14.9 5.8 8.8#  
236 24.1 20.5 30.7

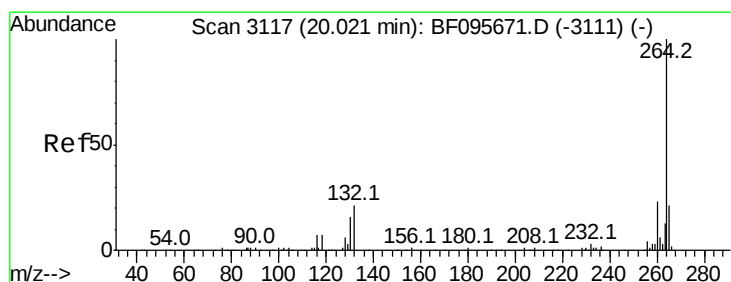
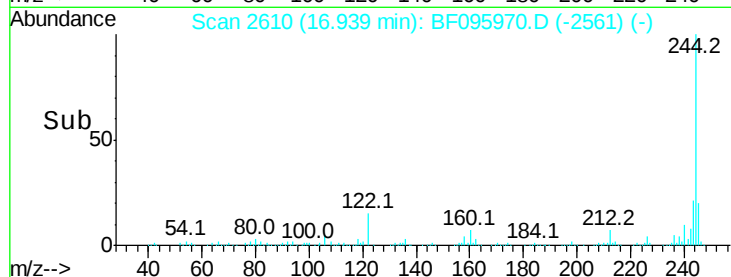
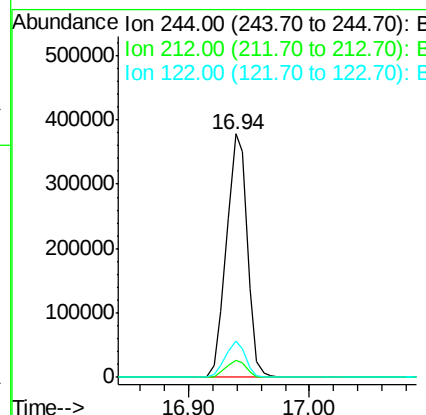
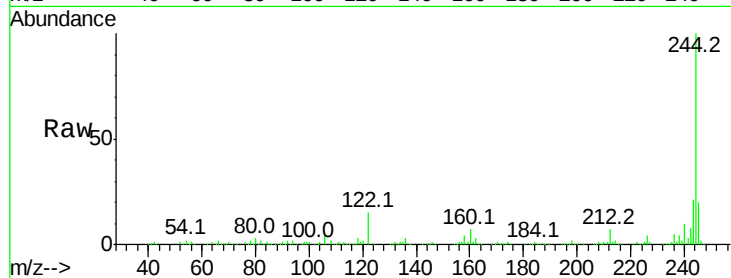




#78  
 Terphenyl-d14  
 Concen: 74.47 ng  
 RT: 16.94 min Scan# 2610  
 Delta R.T. -0.01 min  
 Lab File: BF095970.D  
 Acq: 16 Jun 2017 22:59

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 449881  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.7 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 19.96 min Scan# 3123  
 Delta R.T. -0.01 min  
 Lab File: BF095970.D  
 Acq: 16 Jun 2017 22:59

Tgt Ion:264 Resp: 148417  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 19.5 29.3  
 265 20.5 17.2 25.8

