

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\  
 Data File : BF095345.D  
 Acq On : 23 May 2017 9:52  
 Operator : SJ/MA  
 Sample : I3251-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 23 11:34:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

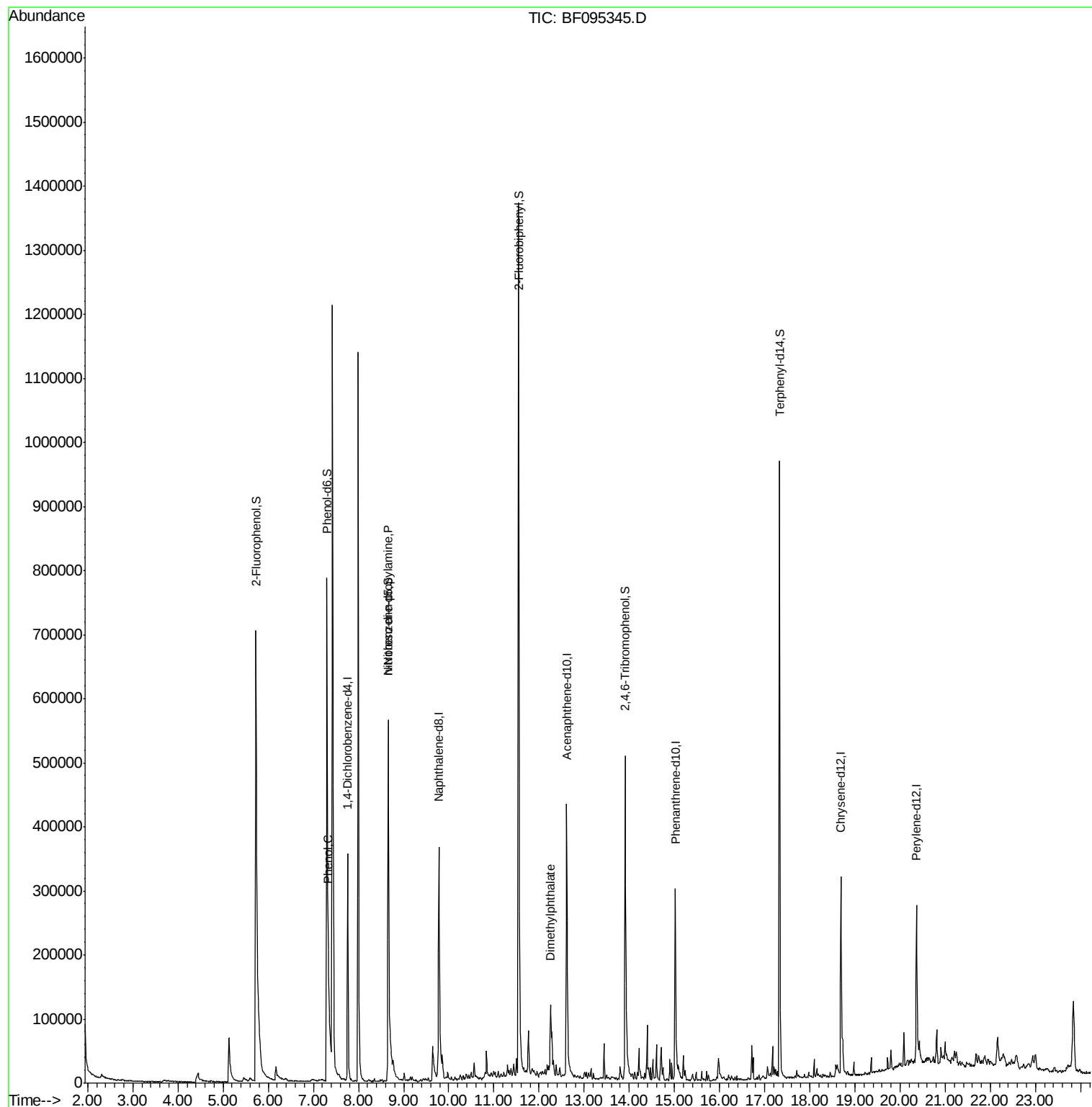
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 81737    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.78  | 136  | 345775   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.61 | 164  | 149412   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 15.02 | 188  | 218392   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 18.69 | 240  | 188566   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 20.36 | 264  | 152931   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.72  | 112  | 537657   | 109.67 | ng    | -0.01    |
| 7) Phenol-d6                   | 7.30  | 99   | 689616   | 117.23 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 8.66  | 82   | 399189   | 72.80  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.91 | 330  | 115554   | 94.43  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 11.55 | 172  | 724708   | 69.81  | ng    | -0.01    |
| 78) Terphenyl-d14              | 17.33 | 244  | 405059   | 47.31  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.33  | 94   | 13703    | 2.21   | ng    | # 37     |
| 19) n-Nitroso-di-n-propylamine | 8.66  | 70   | 47735    | 12.00  | ng    | # 74     |
| 49) Dimethylphthalate          | 12.25 | 163  | 101301   | 8.26   | ng    | 98       |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\  
Data File : BF095345.D  
Acq On : 23 May 2017 9:52  
Operator : SJ/MA  
Sample : I3251-01  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: May 23 11:34:31 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 18 17:07:53 2017  
Response via : Initial Calibration



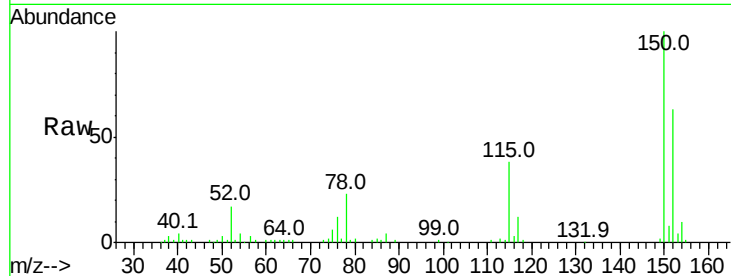


#1

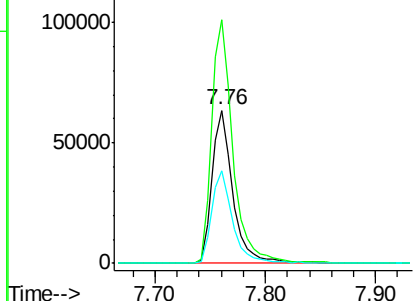
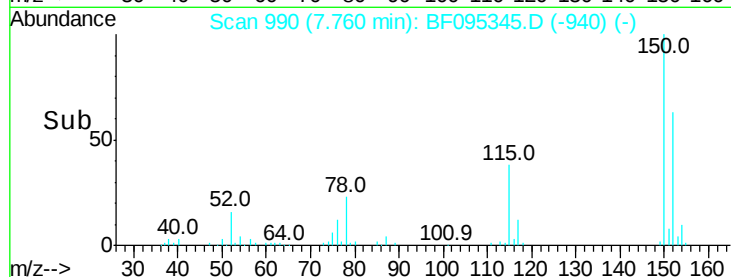
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.76 min Scan# 990  
 Delta R.T. -0.01 min  
 Lab File: BF095345.D  
 Acq: 23 May 2017 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 81737  
 Ion Ratio Lower Upper  
 152 100  
 150 158.8 126.2 189.2  
 115 60.0 52.2 78.2



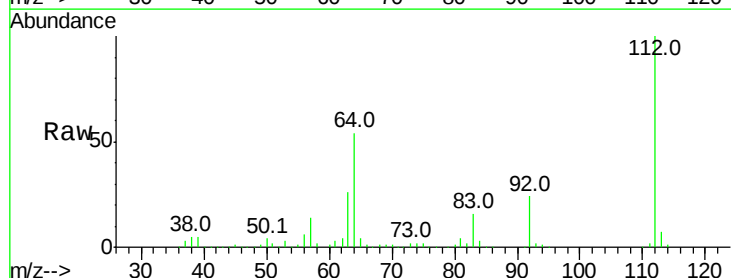
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



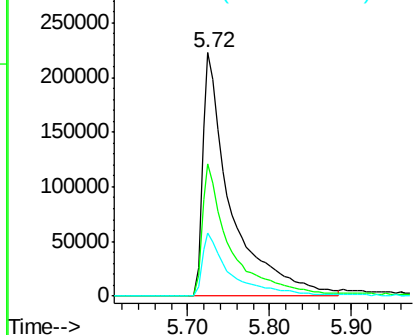
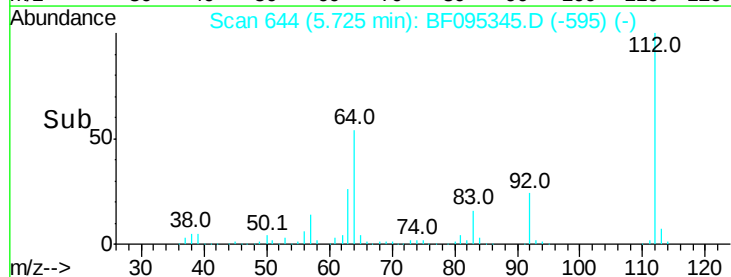
#5

2-Fluorophenol  
 Concen: 109.67 ng  
 RT: 5.72 min Scan# 644  
 Delta R.T. -0.01 min  
 Lab File: BF095345.D  
 Acq: 23 May 2017 9:52

Tgt Ion:112 Resp: 537657  
 Ion Ratio Lower Upper  
 112 100  
 64 54.3 46.0 69.0  
 63 26.0 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: 117.23 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095345.D

Acq: 23 May 2017 9:52

Instrument :

BNA\_F

ClientSampleId :

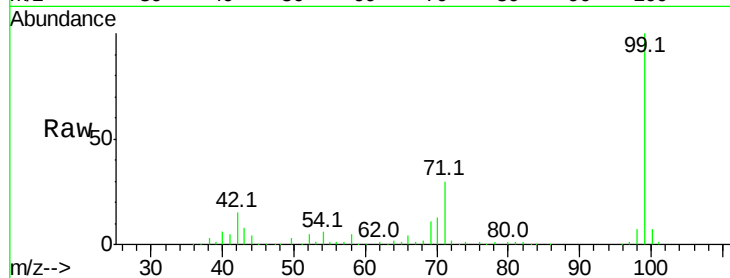
Tot Ion: 99 Resp: 689616

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

71 29.6 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

400000

300000

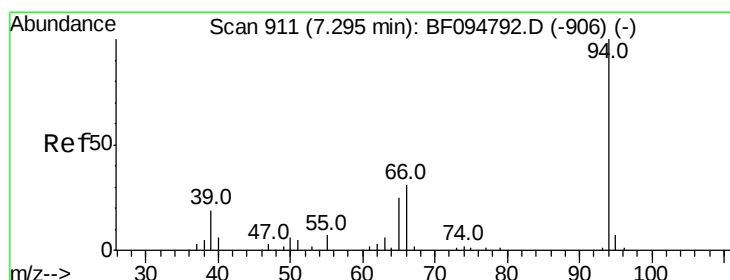
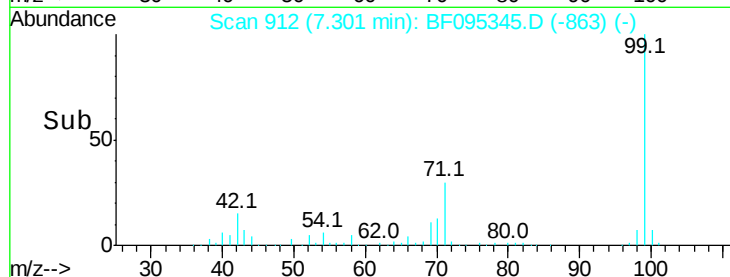
200000

100000

0

7.20 7.40 7.60

Time-->



#10

Phenol

Concen: 2.21 ng

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF095345.D

Acq: 23 May 2017 9:52

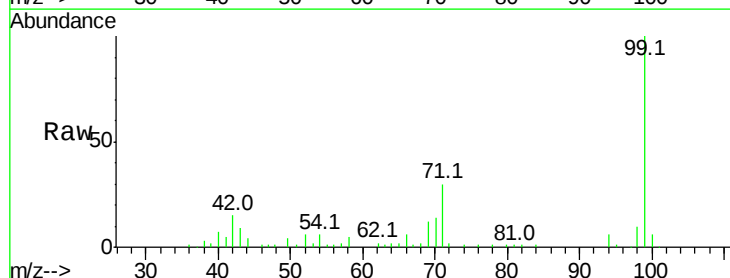
Tgt Ion: 94 Resp: 13703

Ion Ratio Lower Upper

94 100

65 42.7 9.9 49.9

66 100.7 23.1 63.1#



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

100000

80000

60000

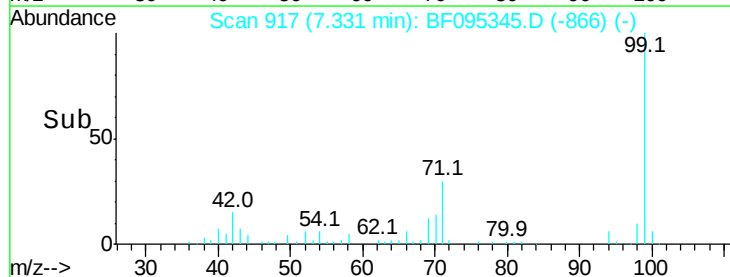
40000

20000

0

7.25 7.30 7.35 7.40 7.45

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 12.00 ng

RT: 8.66 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF095345.D

Acq: 23 May 2017 9:52

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 47735

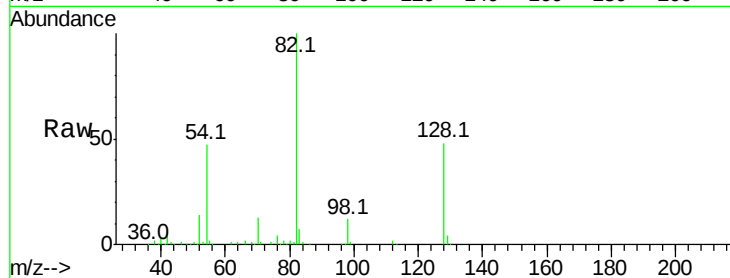
Ion Ratio Lower Upper

70 100

42 42.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

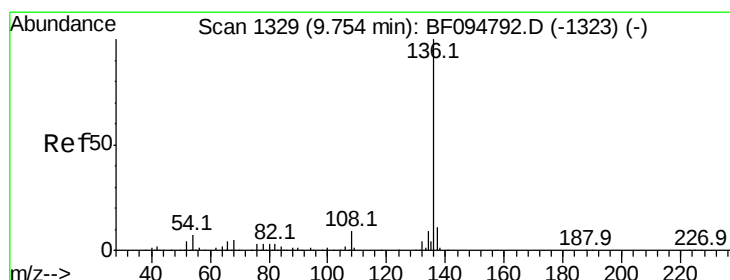
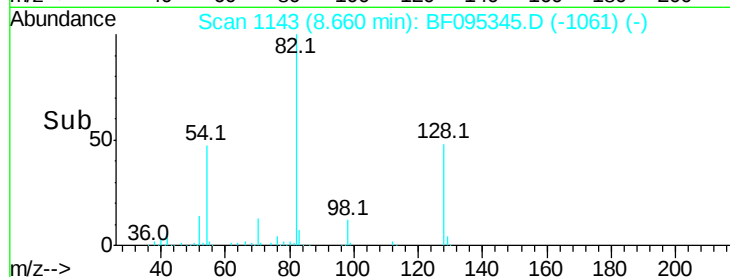
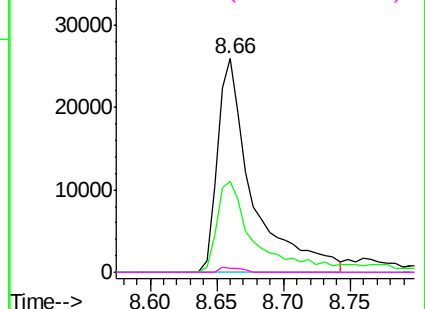


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095345.D

Acq: 23 May 2017 9:52

Tgt Ion: 136 Resp: 345775

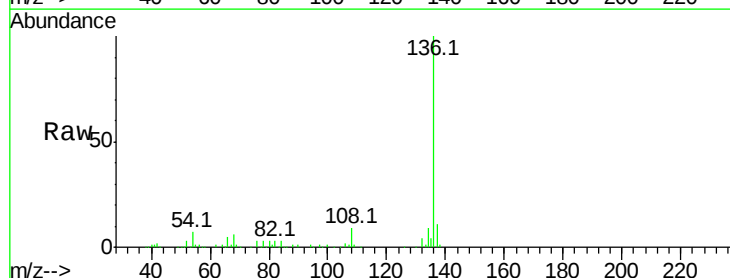
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.9 4.9 7.3

68 5.8 4.1 6.1

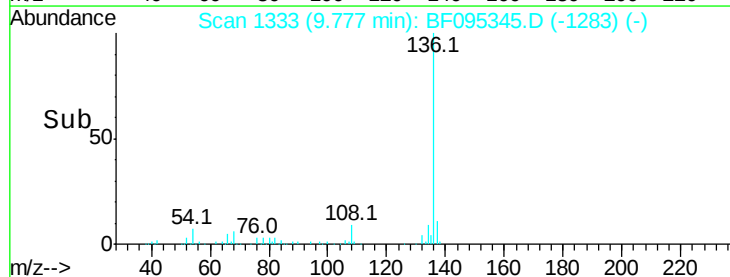
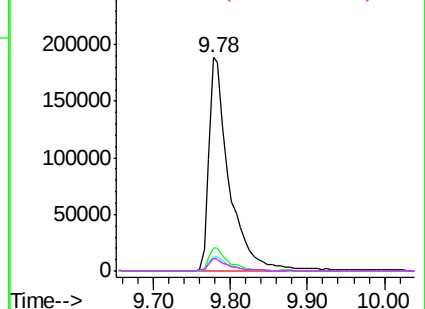


Abundance Ion 136.00 (135.70 to 136.70): E

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

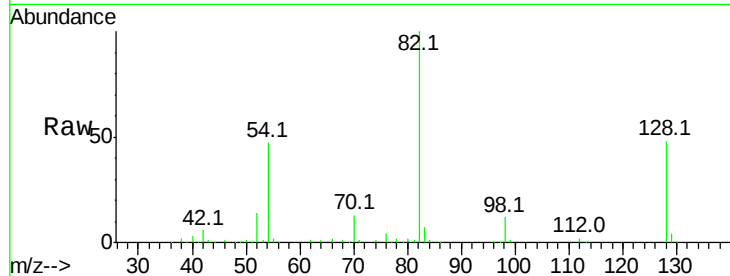




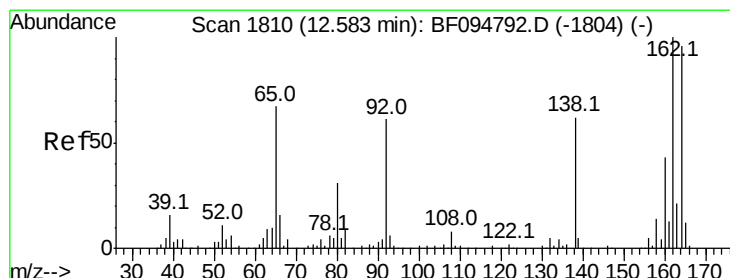
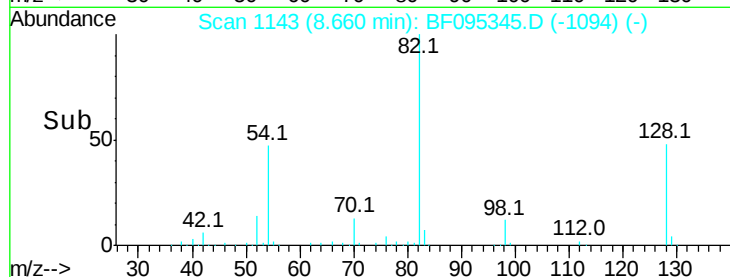
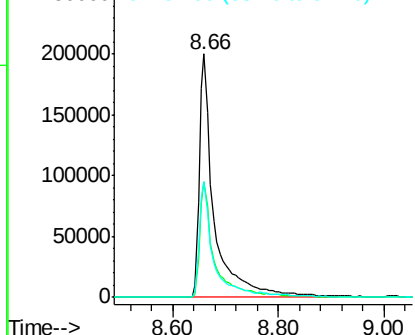
#23  
Nitrobenzene-d5  
Concen: 72.80 ng  
RT: 8.66 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BF095345.D  
Acq: 23 May 2017 9:52

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 399189  
Ion Ratio Lower Upper  
82 100  
128 47.6 34.0 51.0  
54 47.4 42.2 63.2

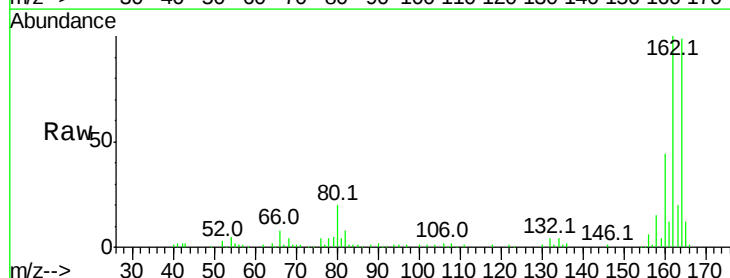


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

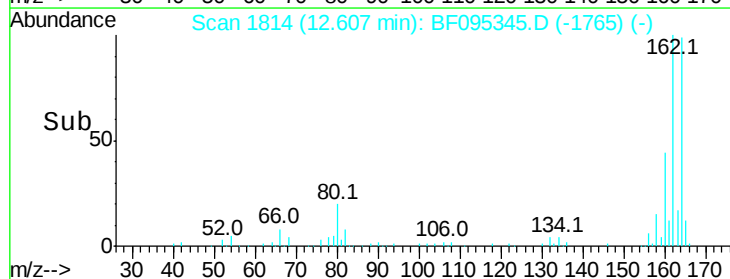
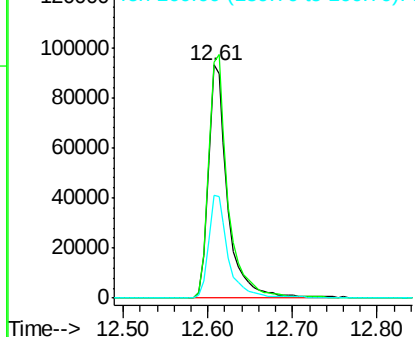


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.61 min Scan# 1814  
Delta R.T. -0.01 min  
Lab File: BF095345.D  
Acq: 23 May 2017 9:52

Tgt Ion:164 Resp: 149412  
Ion Ratio Lower Upper  
164 100  
162 101.2 82.6 123.8  
160 44.2 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

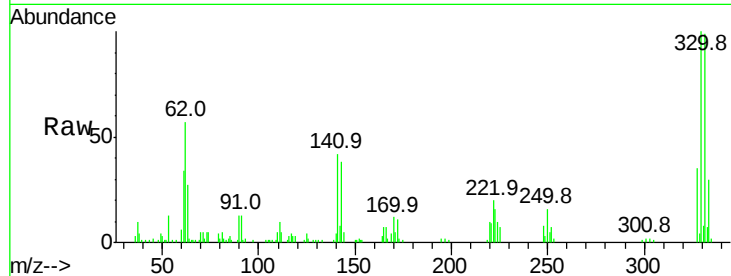




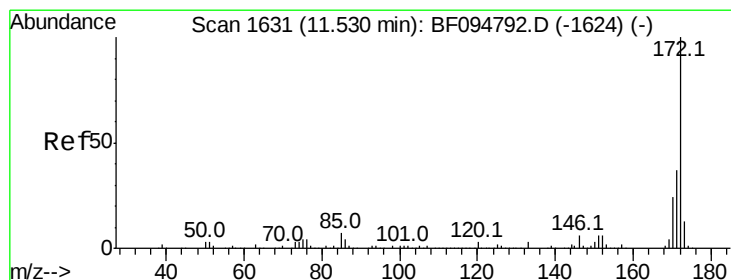
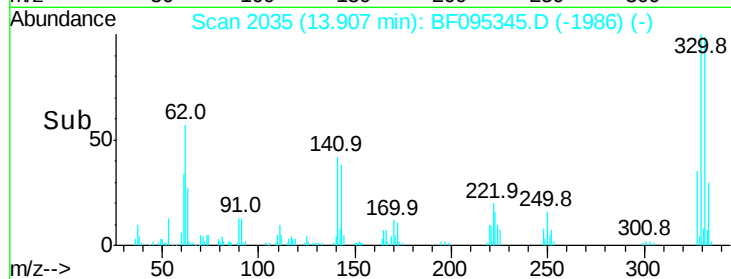
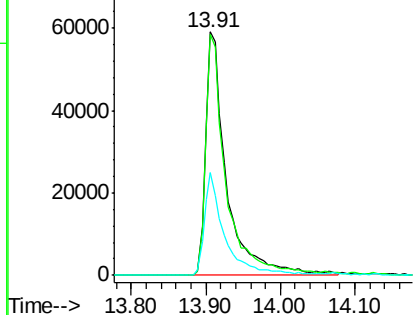
#41  
 2,4,6-Tribromophenol  
 Concen: 94.43 ng  
 RT: 13.91 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: BF095345.D  
 Acq: 23 May 2017 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 115.0 |
| 141     | 40.5  | 31.4  | 47.2  |

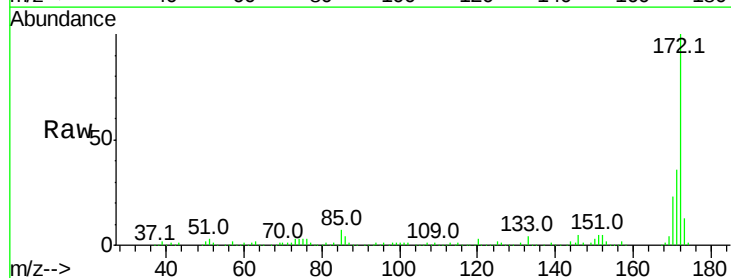


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

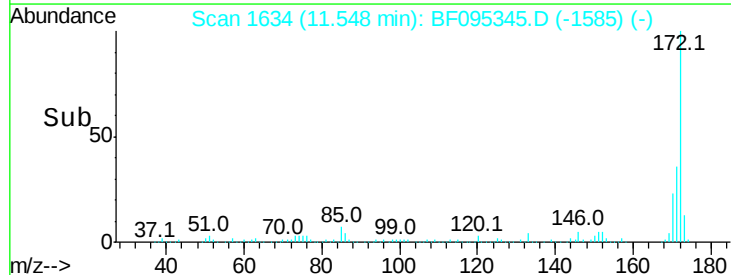
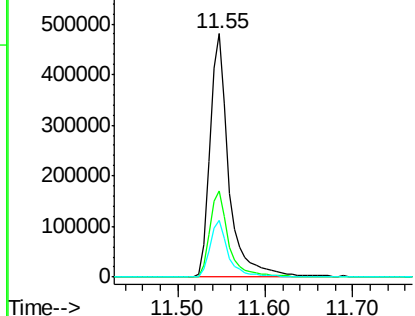


#44  
 2-Fluorobiphenyl  
 Concen: 69.81 ng  
 RT: 11.55 min Scan# 1634  
 Delta R.T. -0.01 min  
 Lab File: BF095345.D  
 Acq: 23 May 2017 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.6  | 44.4  |
| 170     | 23.4  | 19.8  | 29.8  |



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





#49

Dimethylphthalate

Concen: 8.26 ng

RT: 12.25 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF095345.D

Acq: 23 May 2017 9:52

Instrument :

BNA\_F

ClientSampleId :

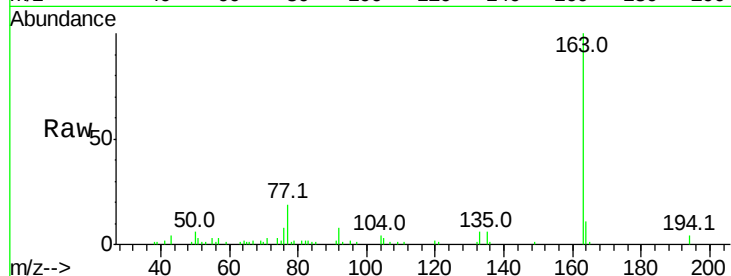
Tot Ion:163 Resp: 101301

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

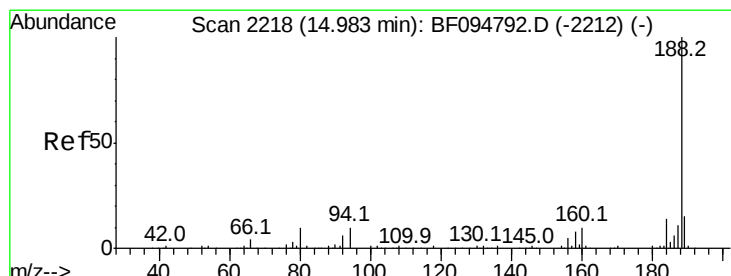
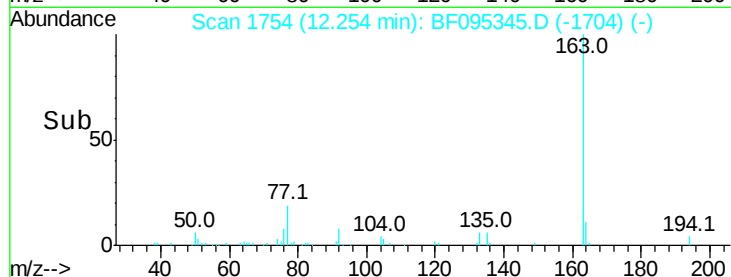
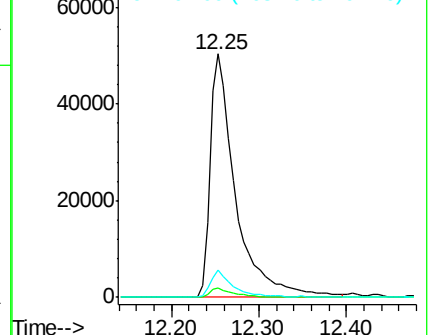
164 11.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF095345.D

Acq: 23 May 2017 9:52

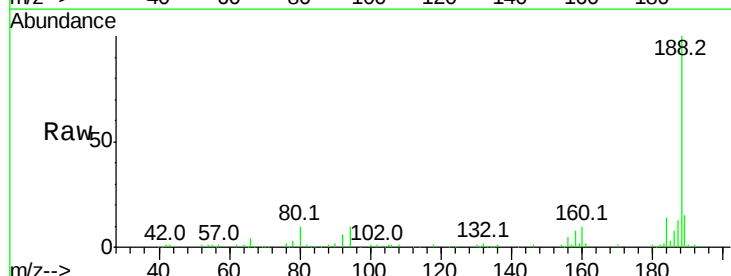
Tgt Ion:188 Resp: 218392

Ion Ratio Lower Upper

188 100

94 9.7 9.4 14.2

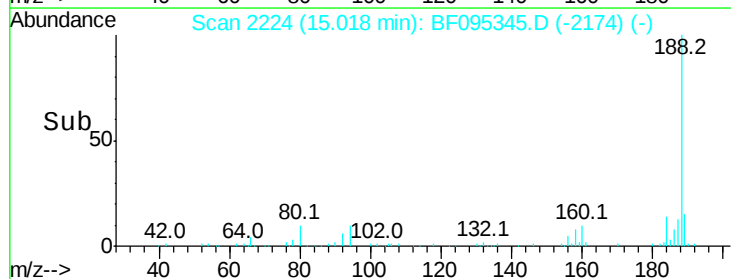
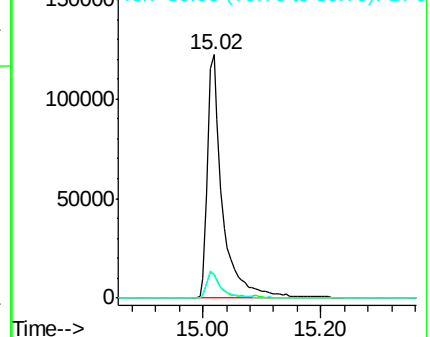
80 9.8 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

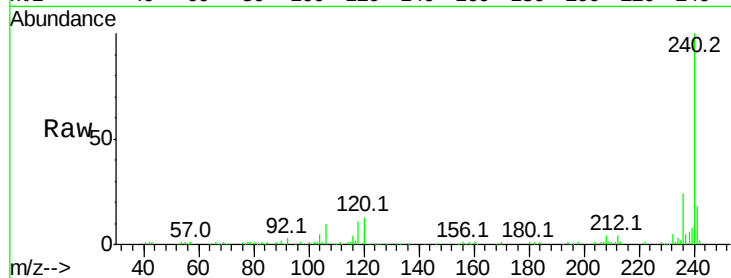




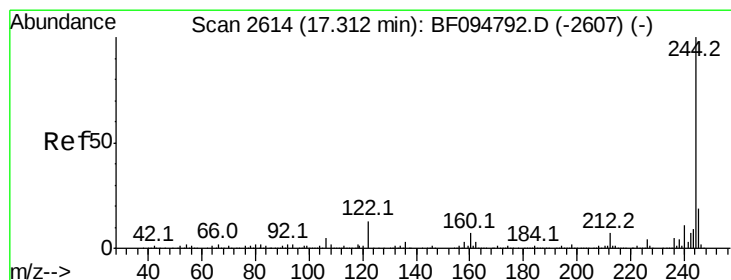
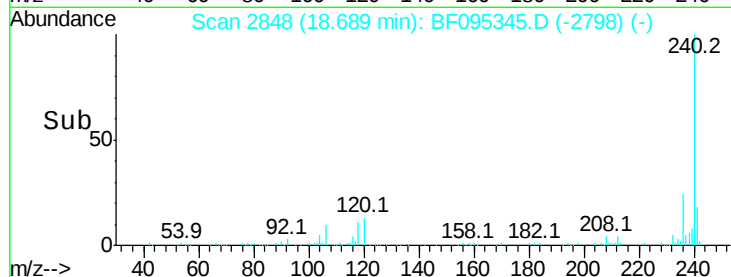
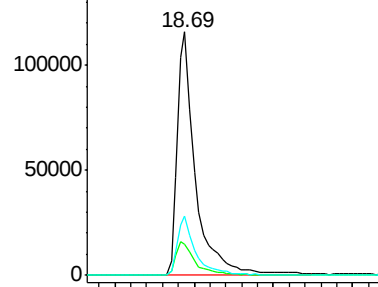
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.69 min Scan# 2848  
Delta R.T. -0.01 min  
Lab File: BF095345.D  
Acq: 23 May 2017 9:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:240 Resp: 188566  
Ion Ratio Lower Upper  
240 100  
120 12.6 5.8 8.8#  
236 24.1 20.5 30.7

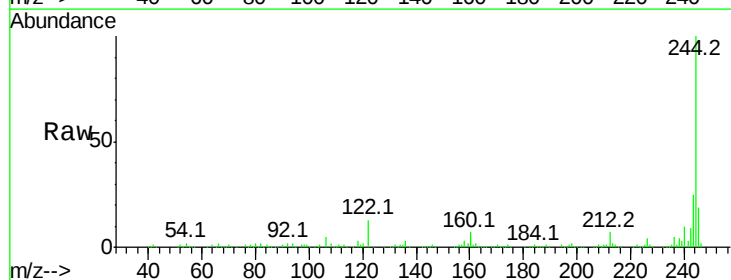


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

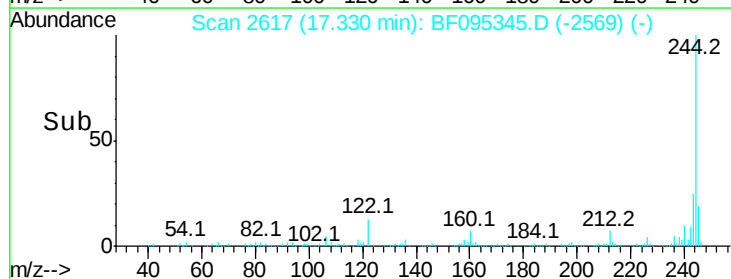
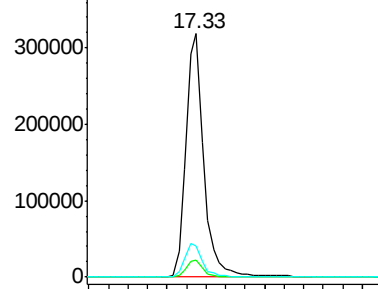


#78  
Terphenyl-d14  
Concen: 47.31 ng  
RT: 17.33 min Scan# 2617  
Delta R.T. -0.02 min  
Lab File: BF095345.D  
Acq: 23 May 2017 9:52

Tgt Ion:244 Resp: 405059  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.0 9.0  
122 13.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E

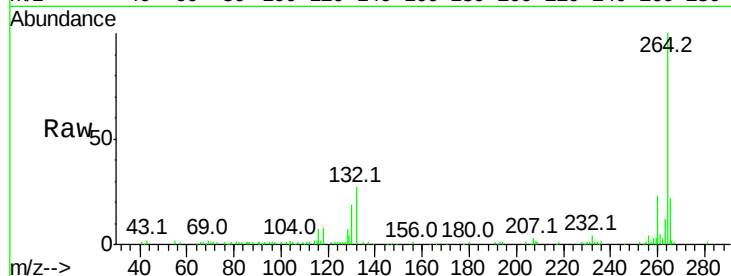




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.36 min Scan# 3132  
Delta R.T. -0.01 min  
Lab File: BF095345.D  
Acq: 23 May 2017 9:52

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.5  | 29.3  |
| 265     | 21.9  | 17.2  | 25.8  |



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

