

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\  
 Data File : BF093330.D  
 Acq On : 2 Mar 2017 19:37  
 Operator : SJ/MA  
 Sample : I2052-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPS103051

Quant Time: Mar 03 01:09:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 03 00:22:20 2017  
 Response via : Initial Calibration

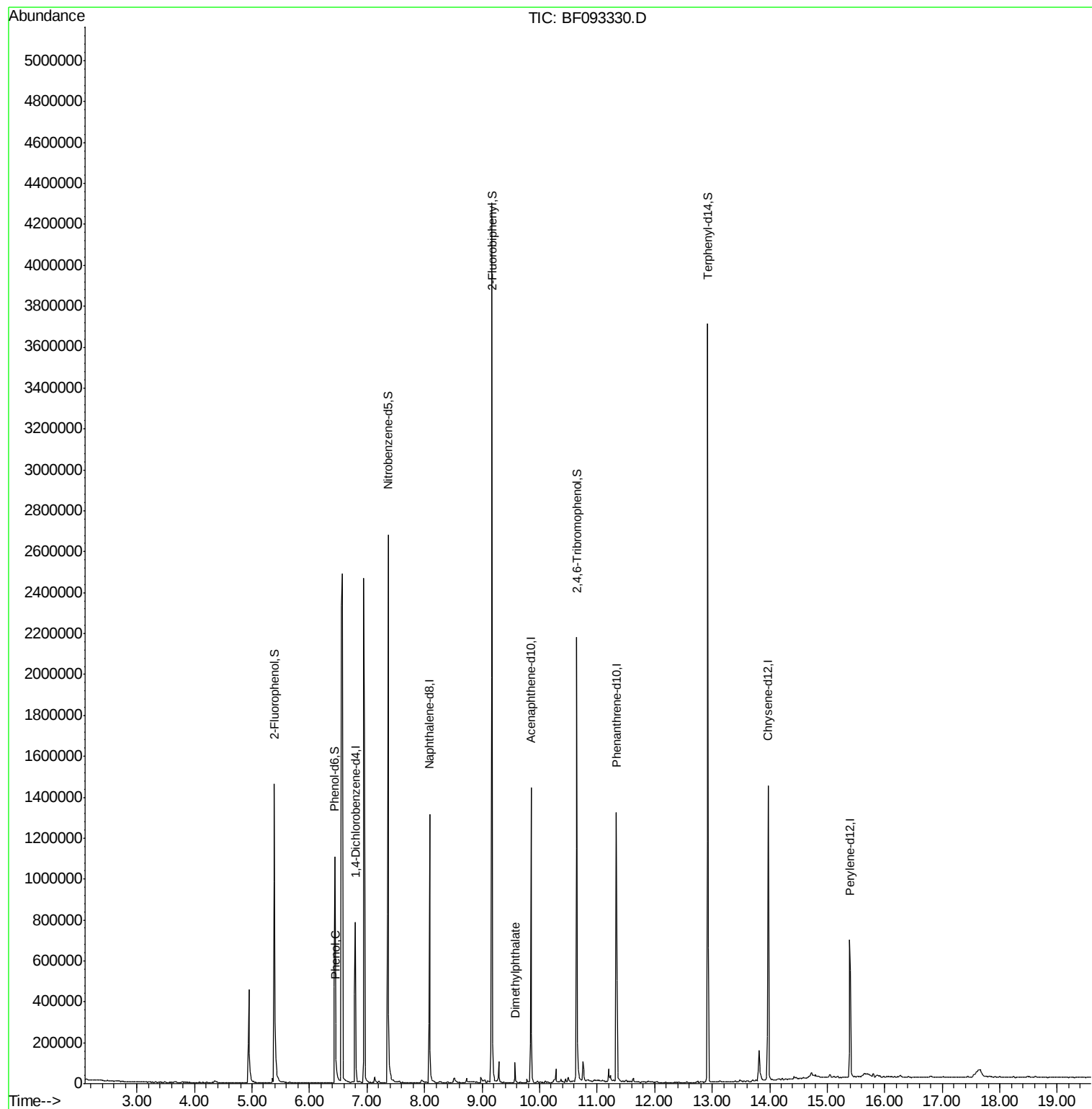
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 147339   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.09  | 136  | 614815   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 9.85  | 164  | 275264   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.33 | 188  | 522778   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 13.97 | 240  | 479389   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12            | 15.39 | 264  | 347831   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.39  | 112  | 573312   | 66.76  | ng    | 0.00        |
| 7) Phenol-d6                | 6.44  | 99   | 466290   | 42.20  | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 941854   | 85.31  | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 287075   | 144.20 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1545841  | 101.74 | ng    | 0.00        |
| 78) Terphenyl-d14           | 12.92 | 244  | 1222353  | 59.91  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.45  | 94   | 44893    | 3.47   | ng    | Qvalue # 76 |
| 49) Dimethylphthalate       | 9.57  | 163  | 43022    | 2.32   | ng    | 99          |

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

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CPS103051

Quant Time: Mar 03 01:09:38 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 03 00:22:20 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF093330.D

Acq: 2 Mar 2017 19:37

Instrument :

BNA\_F

ClientSampleId :

CPS103051

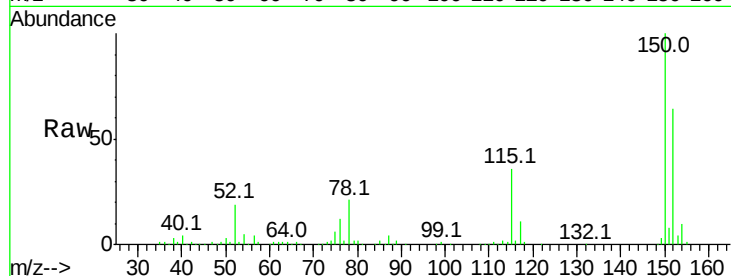
Tot Ion:152 Resp: 147339

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

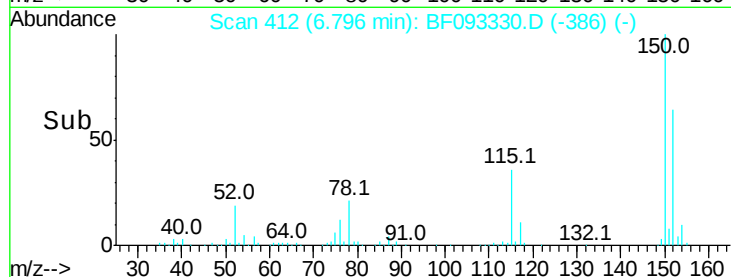
115 56.3 46.0 69.0



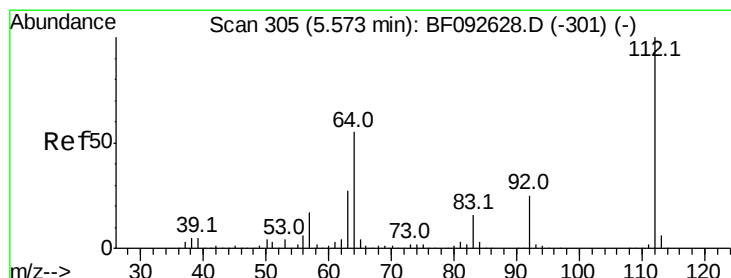
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 6.70 6.75 6.80 6.85 6.90



#5

2-Fluorophenol

Concen: 66.76 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.00 min

Lab File: BF093330.D

Acq: 2 Mar 2017 19:37

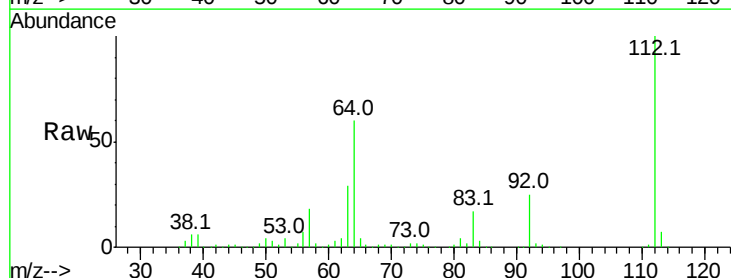
Tgt Ion:112 Resp: 573312

Ion Ratio Lower Upper

112 100

64 60.4 46.1 69.1

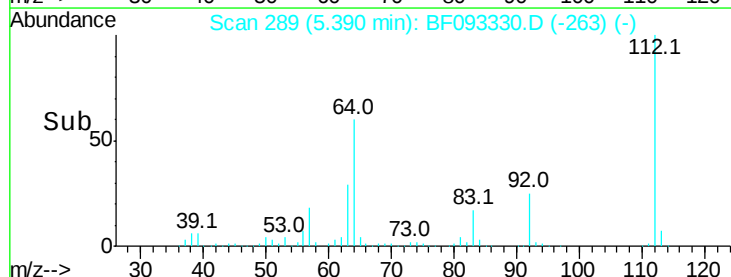
63 29.5 23.8 35.6



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



Time--> 5.30 5.40 5.50 5.60



#7

Phenol-d6

Concen: 42.20 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093330.D

Acq: 2 Mar 2017 19:37

Instrument :

BNA\_F

ClientSampled :

CPS103051

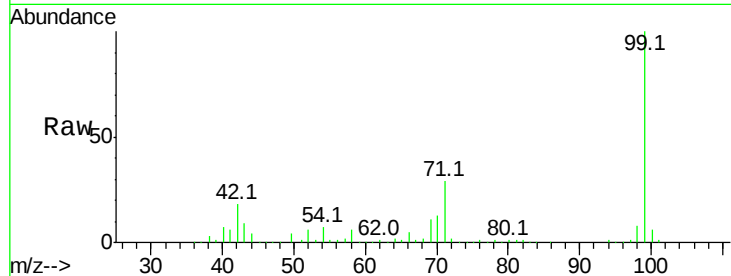
Tot Ion: 99 Resp: 466290

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

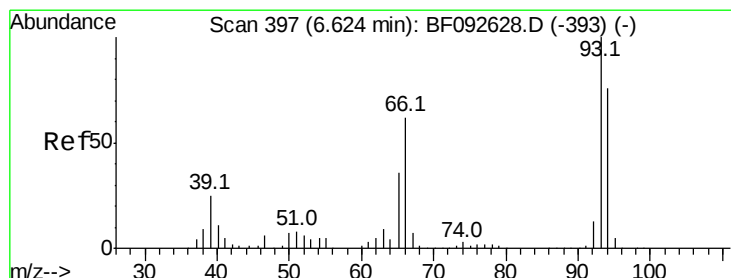
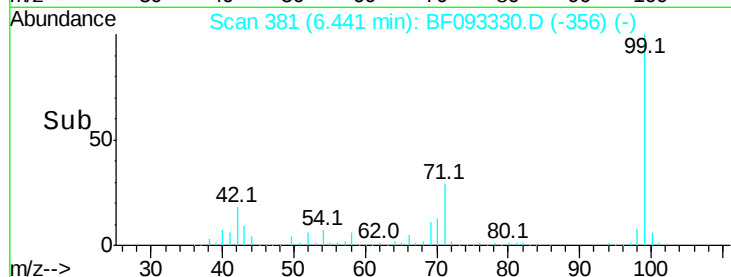
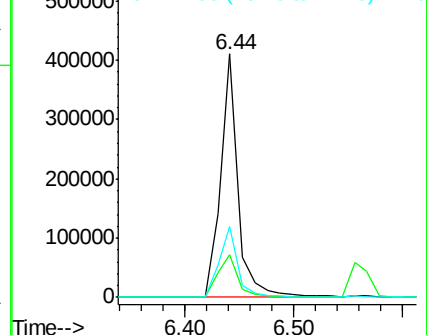
71 28.9 27.5 41.3



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: 3.47 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF093330.D

Acq: 2 Mar 2017 19:37

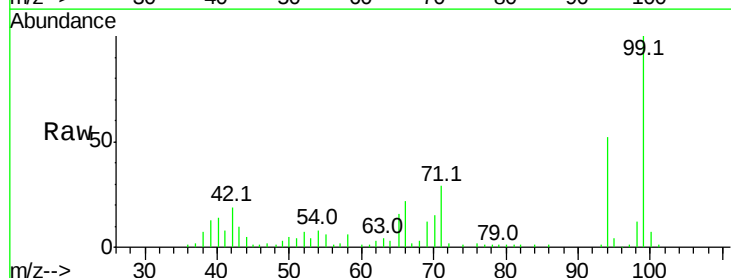
Tgt Ion: 94 Resp: 44893

Ion Ratio Lower Upper

94 100

65 30.5 21.4 61.4

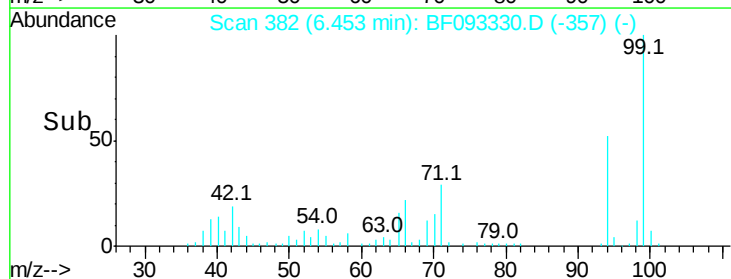
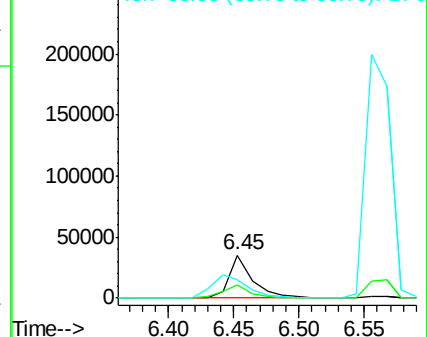
66 42.0 44.0 84.0#



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

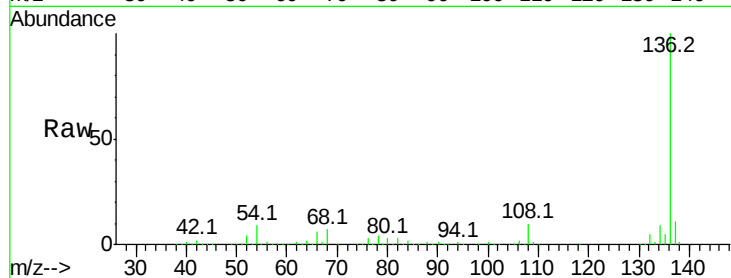




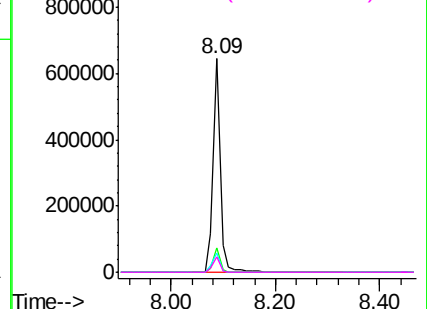
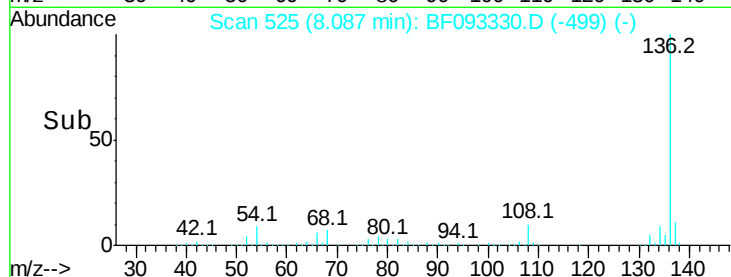
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.00 min  
Lab File: BF093330.D  
Acq: 2 Mar 2017 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
CPS103051

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 614815      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.2  | 8.4 12.6    |
| 54          | 9.1   | 4.5 6.7#    |
| 68          | 6.9   | 3.6 5.4#    |

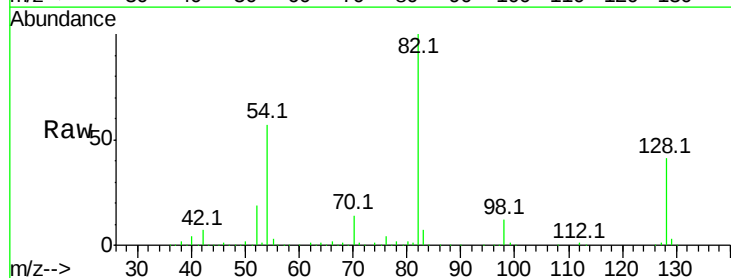


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

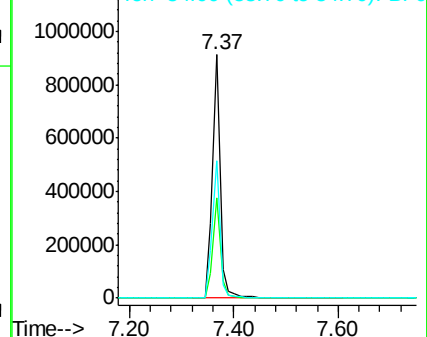
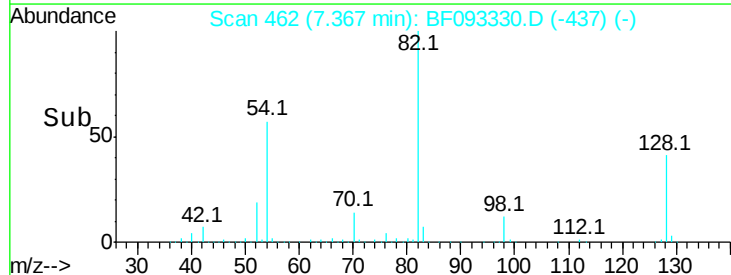


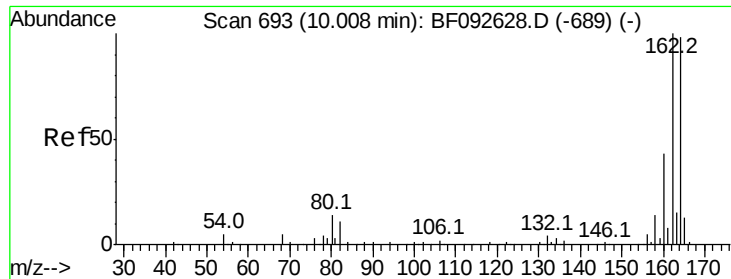
#23  
Nitrobenzene-d5  
Concen: 85.31 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.01 min  
Lab File: BF093330.D  
Acq: 2 Mar 2017 19:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 941854      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 41.3  | 34.6 52.0   |
| 54          | 56.7  | 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

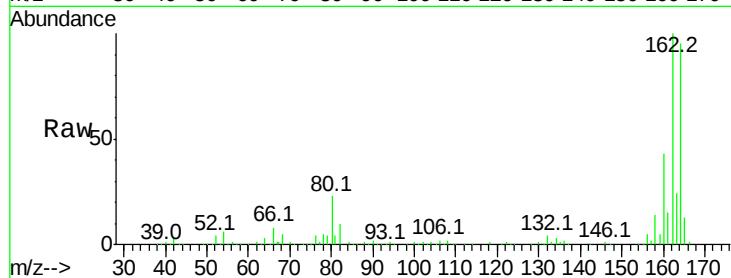




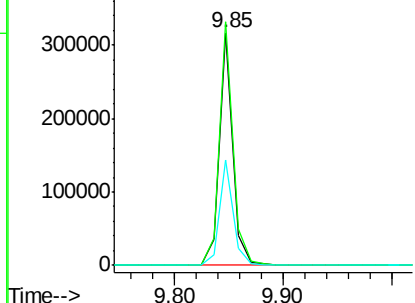
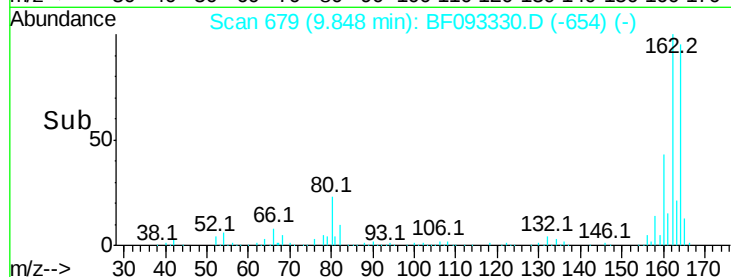
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. -0.01 min  
 Lab File: BF093330.D  
 Acq: 2 Mar 2017 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPS103051

Tot Ion:164 Resp: 275264  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 80.2 120.2  
 160 45.2 36.9 55.3

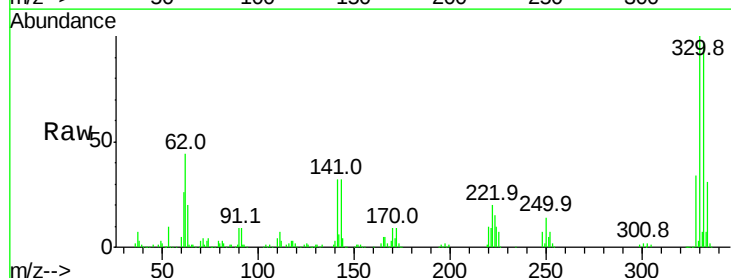


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

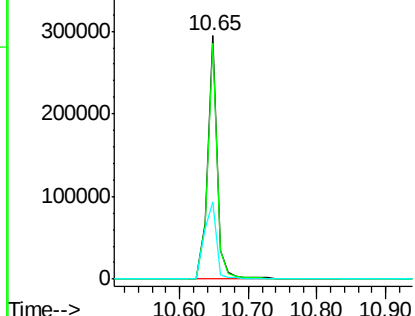
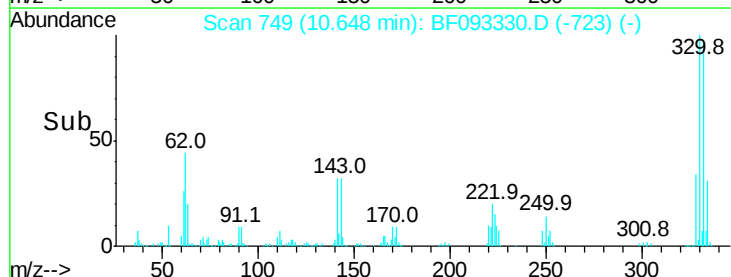


#41  
 2,4,6-Tribromophenol  
 Concen: 144.20 ng  
 RT: 10.65 min Scan# 749  
 Delta R.T. -0.00 min  
 Lab File: BF093330.D  
 Acq: 2 Mar 2017 19:37

Tgt Ion:330 Resp: 287075  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.2  
 141 40.4 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



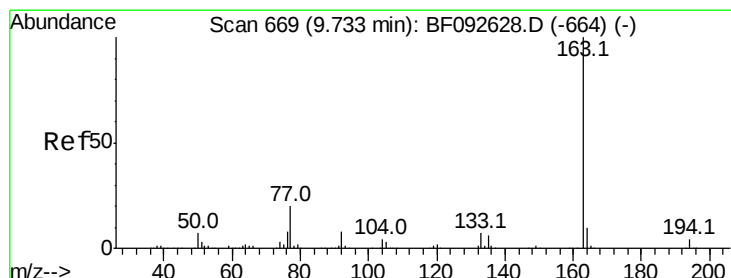
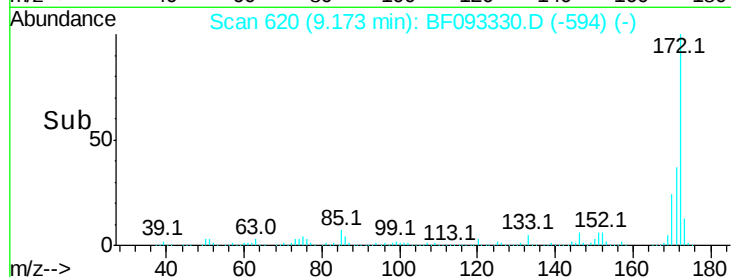
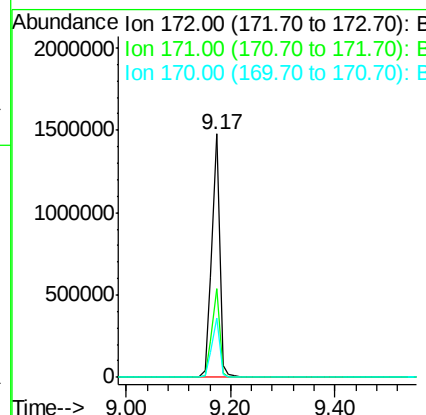
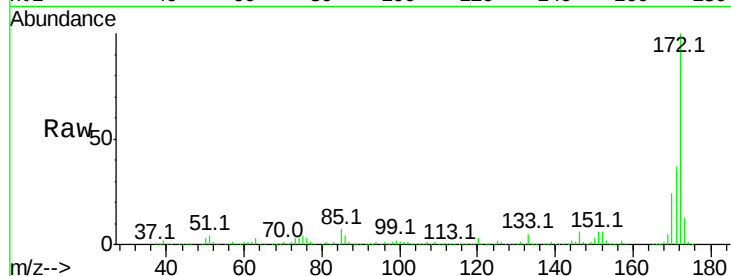


#44  
 2-Fluorobiphenyl  
 Concen: 101.74 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BF093330.D  
 Acq: 2 Mar 2017 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPS103051

Tot Ion:172 Resp: 1545841  

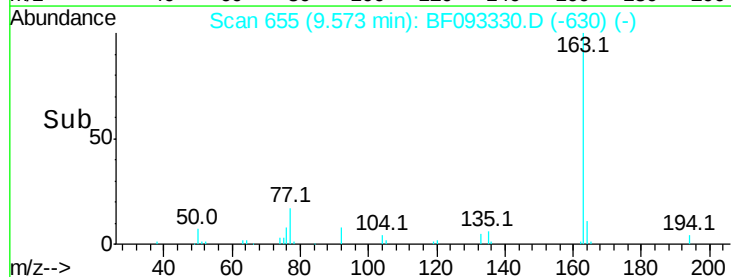
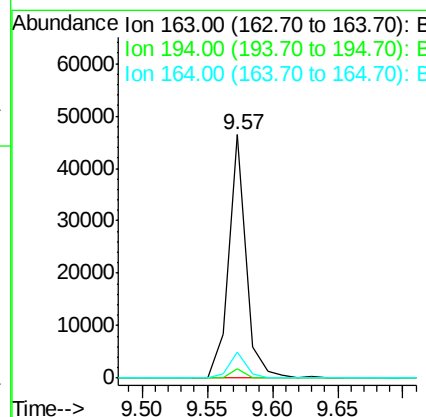
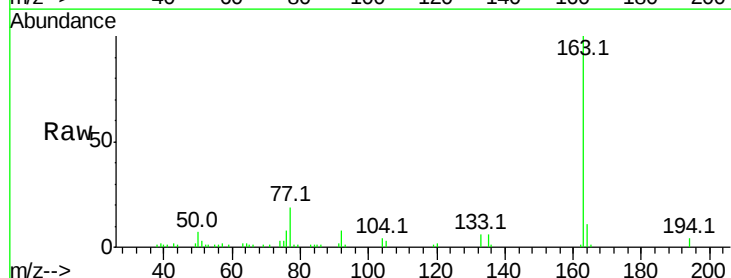
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.6  | 29.4  | 44.0  |
| 170 | 24.4  | 20.2  | 30.4  |



#49  
 Dimethylphthalate  
 Concen: 2.32 ng  
 RT: 9.57 min Scan# 655  
 Delta R.T. -0.01 min  
 Lab File: BF093330.D  
 Acq: 2 Mar 2017 19:37

Tgt Ion:163 Resp: 43022  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.8   | 3.0   | 4.4   |
| 164 | 10.5  | 8.0   | 12.0  |

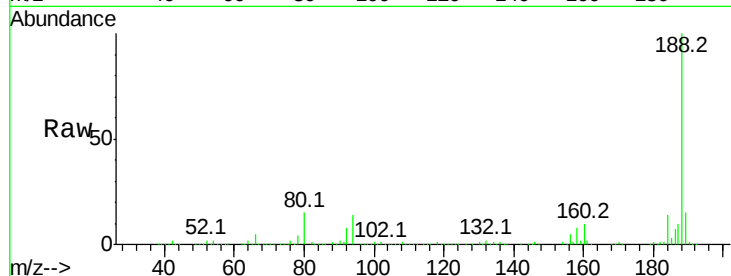




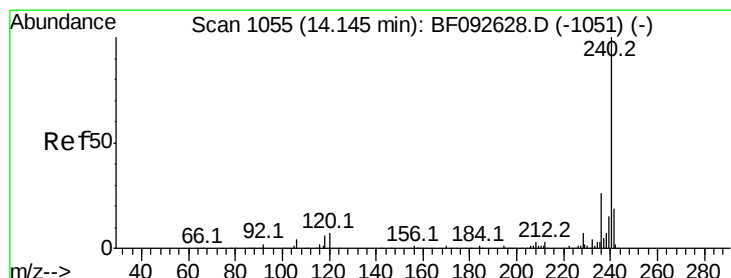
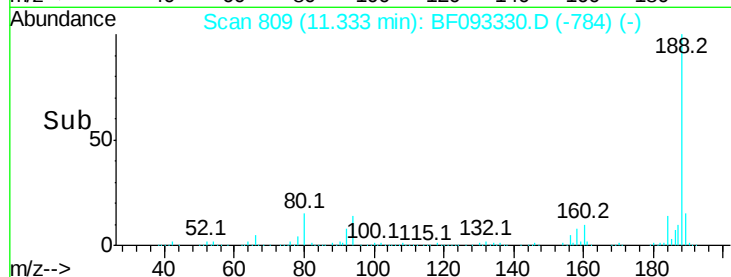
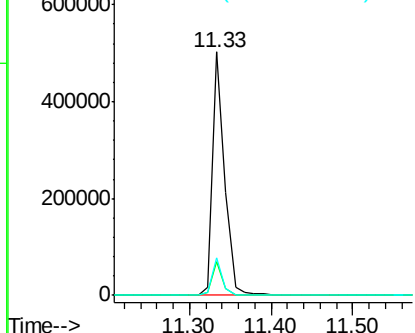
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.33 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF093330.D  
Acq: 2 Mar 2017 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
CPS103051

Tot Ion:188 Resp: 522778  
Ion Ratio Lower Upper  
188 100  
94 13.8 10.0 15.0  
80 15.2 11.2 16.8

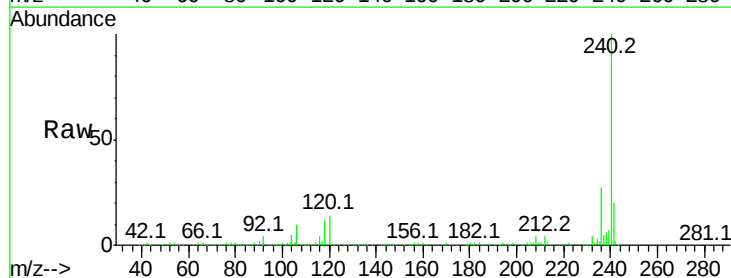


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

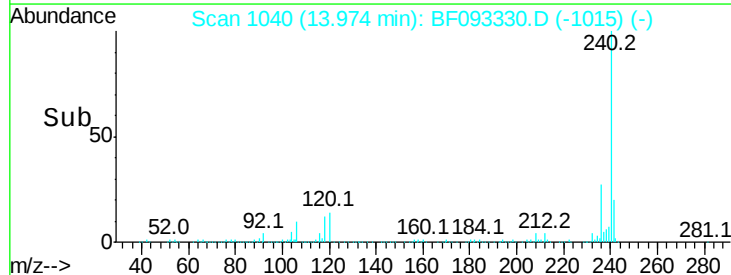
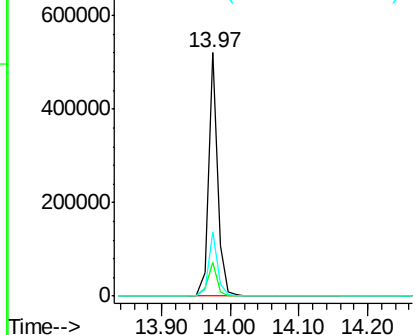


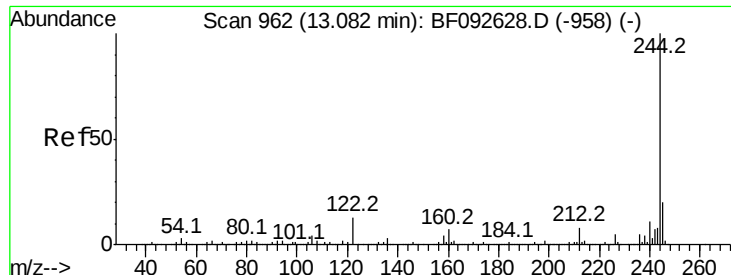
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BF093330.D  
Acq: 2 Mar 2017 19:37

Tgt Ion:240 Resp: 479389  
Ion Ratio Lower Upper  
240 100  
120 13.8 12.9 19.3  
236 26.7 20.9 31.3



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: 59.91 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF093330.D

Acq: 2 Mar 2017 19:37

Instrument :

BNA\_F

ClientSampleId :

CPS103051

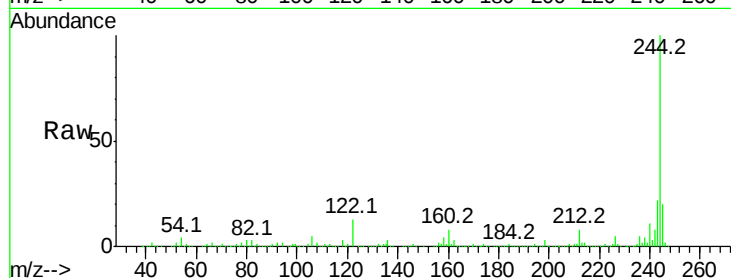
Tot Ion:244 Resp: 1222353

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

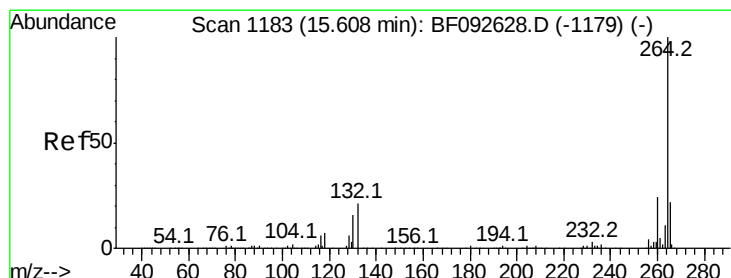
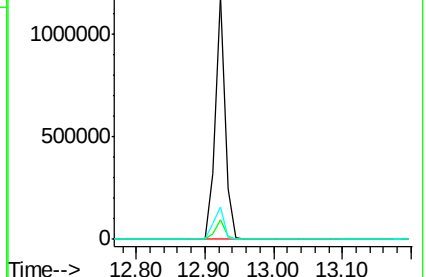
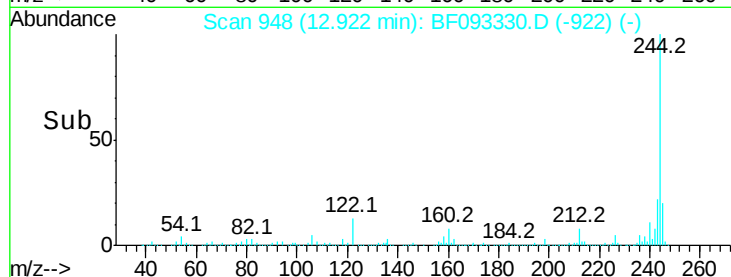
122 13.2 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF093330.D

Acq: 2 Mar 2017 19:37

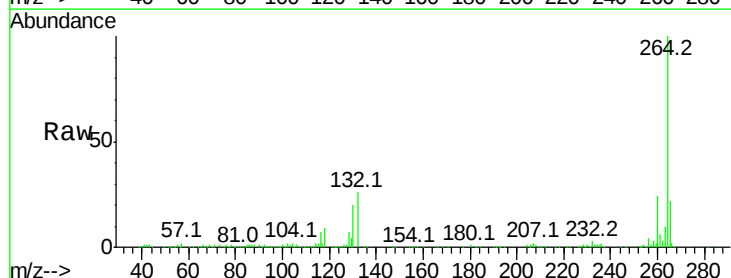
Tgt Ion:264 Resp: 347831

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.1 17.4 26.0



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

