

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\  
 Data File : BF094652.D  
 Acq On : 26 Apr 2017 17:41  
 Operator : SJ/MA  
 Sample : I2805-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA3-COMP2

Quant Time: Apr 27 04:26:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.75  | 152  | 123015   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.24  | 136  | 503377   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.38  | 164  | 240445   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.20 | 188  | 487568   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.45 | 240  | 406450   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 16.08 | 264  | 297944   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.31  | 112  | 831428   | 112.13 | ng    | 0.00     |
| 7) Phenol-d6                | 5.38  | 99   | 984578   | 112.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.40  | 82   | 678194   | 83.19  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.36 | 330  | 278846   | 148.27 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.57  | 172  | 1319292  | 80.73  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.19 | 244  | 1359490  | 89.40  | ng    | 0.00     |

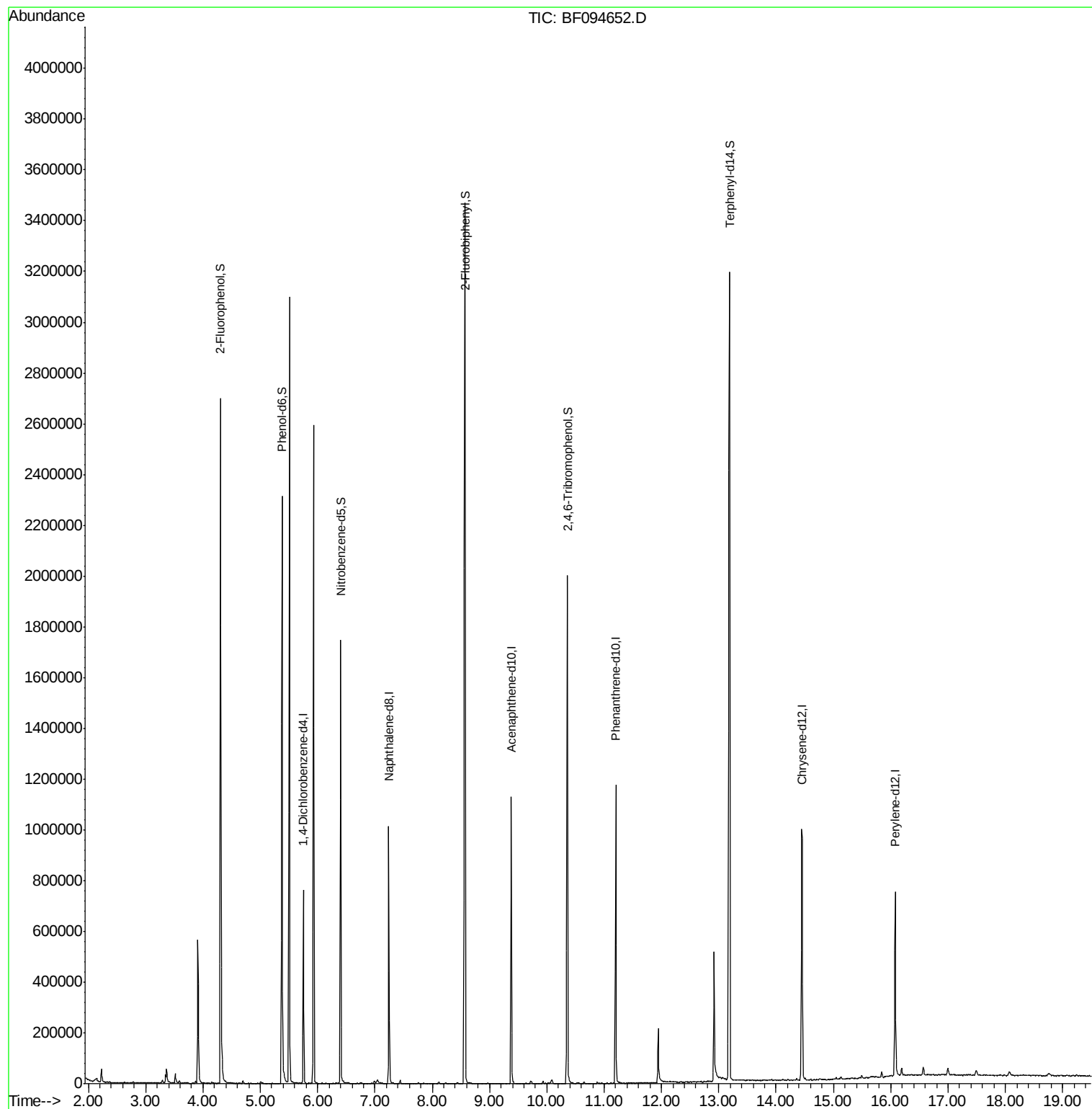
Target Compounds Qvalue

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

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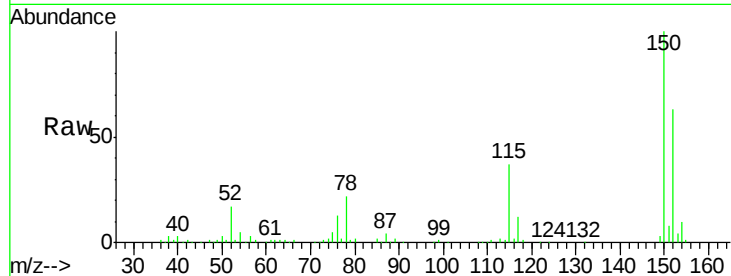


#1

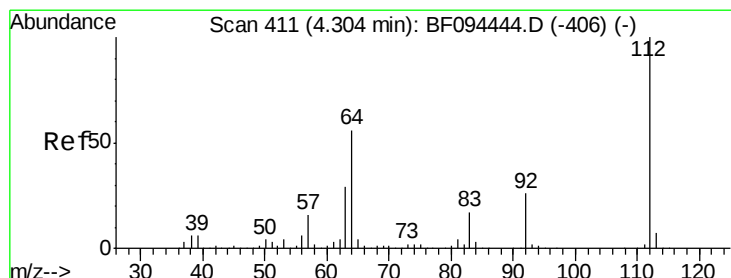
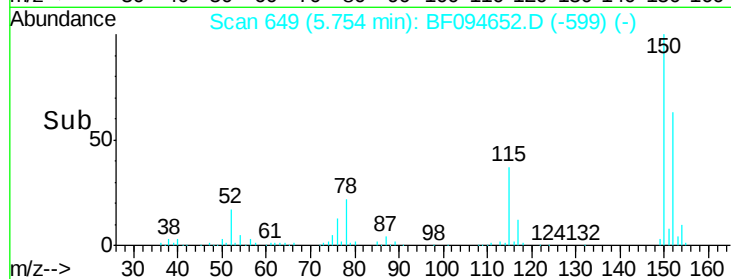
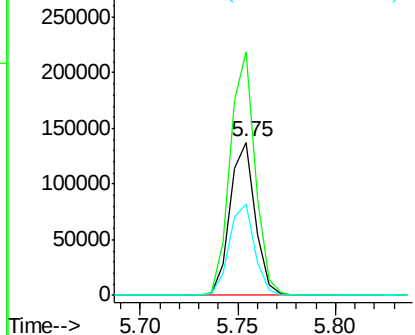
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.75 min Scan# 649  
Delta R.T. -0.01 min  
Lab File: BF094652.D  
Acq: 26 Apr 2017 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
AREA3-COMP2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.4 | 126.2 | 189.2 |
| 115     | 59.5  | 52.2  | 78.2  |



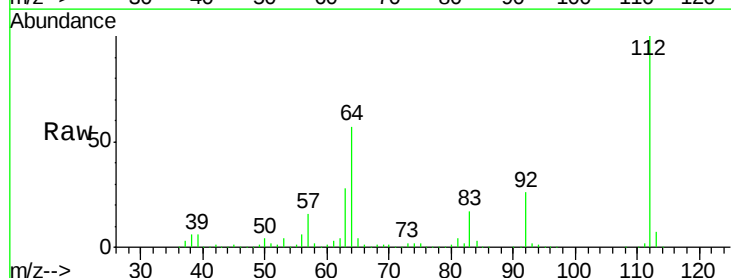
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



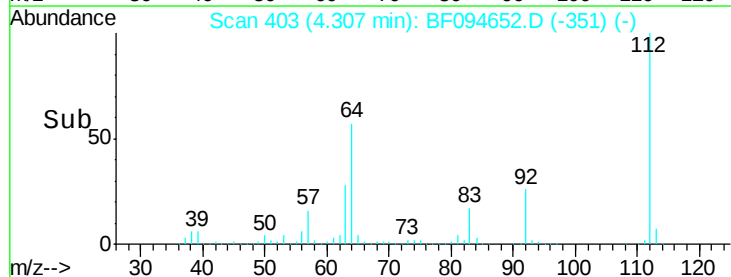
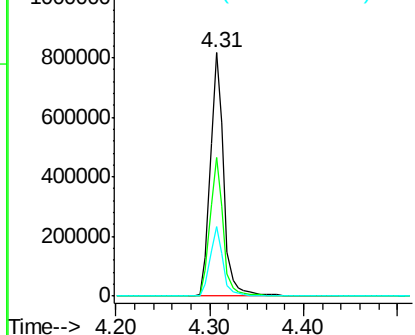
#5

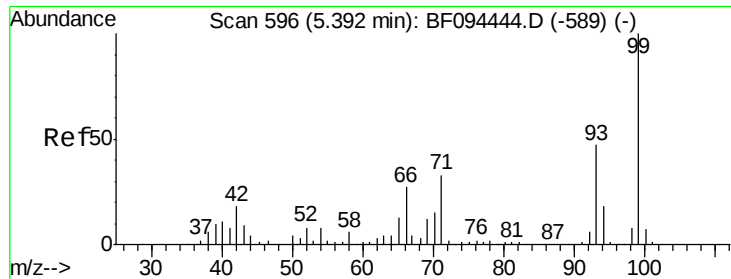
2-Fluorophenol  
Concen: 112.13 ng  
RT: 4.31 min Scan# 403  
Delta R.T. 0.00 min  
Lab File: BF094652.D  
Acq: 26 Apr 2017 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.8  | 46.0  | 69.0  |
| 63      | 28.5  | 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: 112.64 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094652.D

Acq: 26 Apr 2017 17:41

Instrument :

BNA\_F

ClientSampleId :

AREA3-COMP2

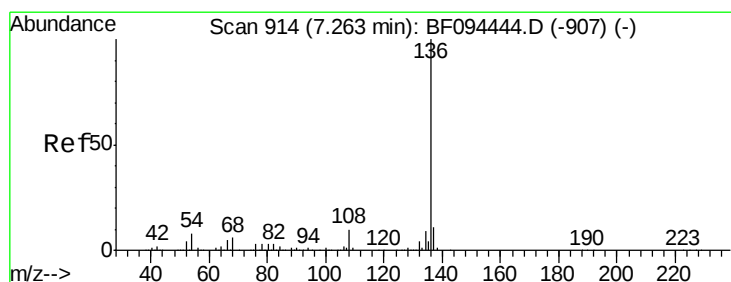
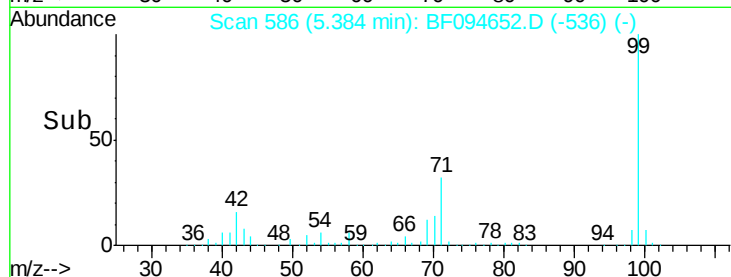
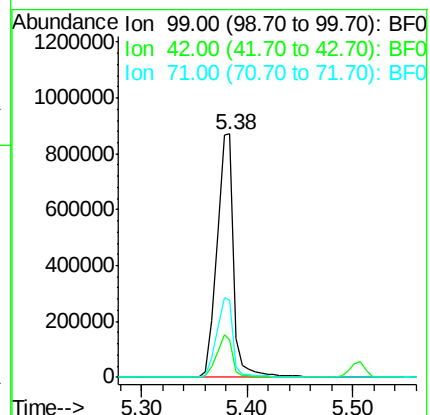
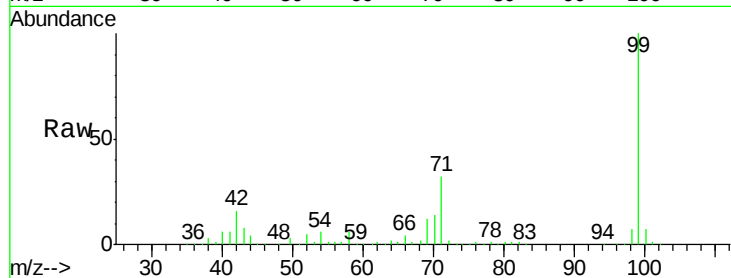
Tot Ion: 99 Resp: 984578

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

71 31.9 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.24 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF094652.D

Acq: 26 Apr 2017 17:41

Tgt Ion: 136 Resp: 503377

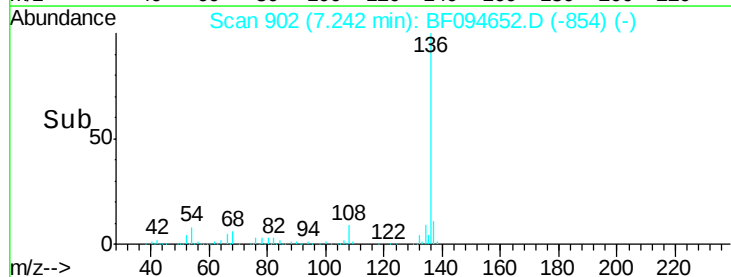
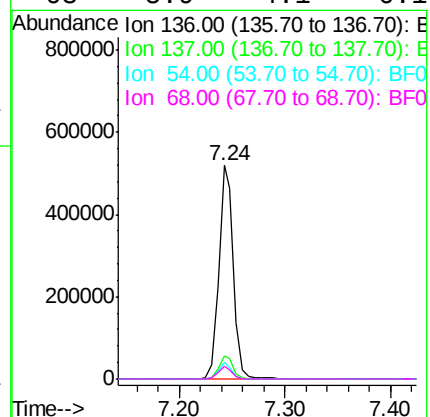
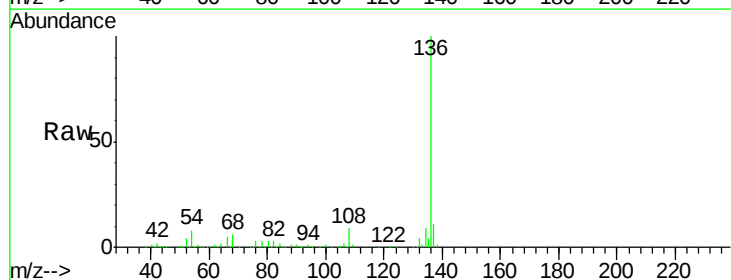
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.6 4.9 7.3#

68 5.9 4.1 6.1

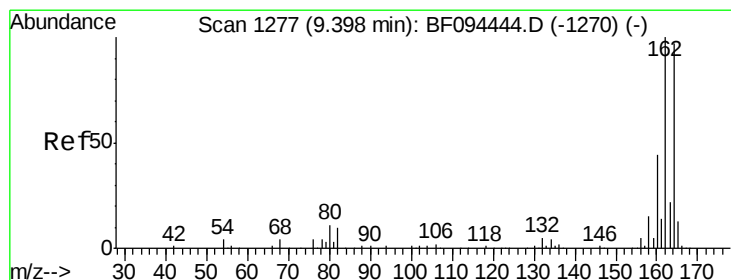
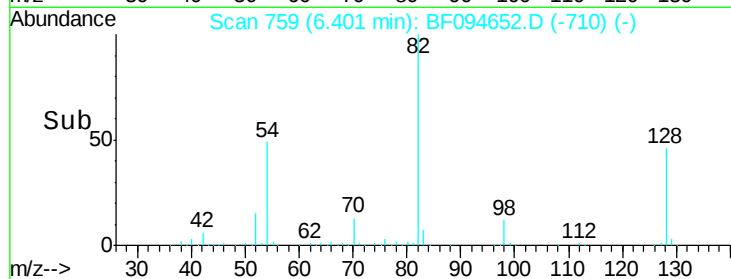
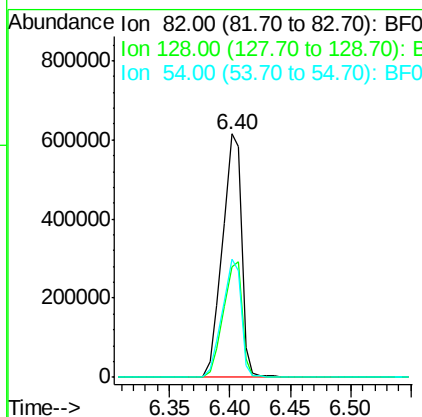
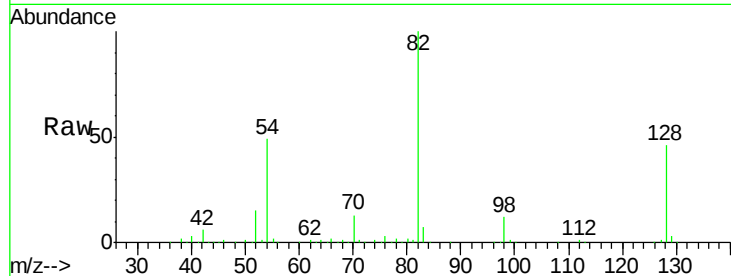




#23  
 Nitrobenzene-d5  
 Concen: 83.19 ng  
 RT: 6.40 min Scan# 759  
 Delta R.T. -0.01 min  
 Lab File: BF094652.D  
 Acq: 26 Apr 2017 17:41

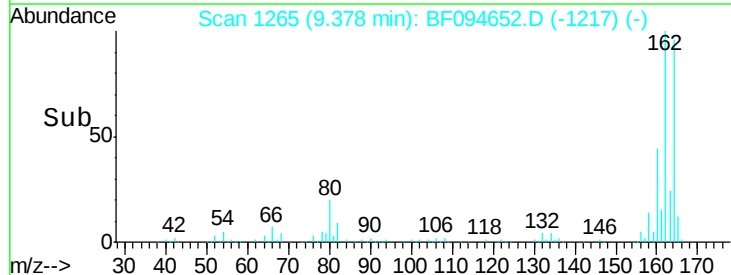
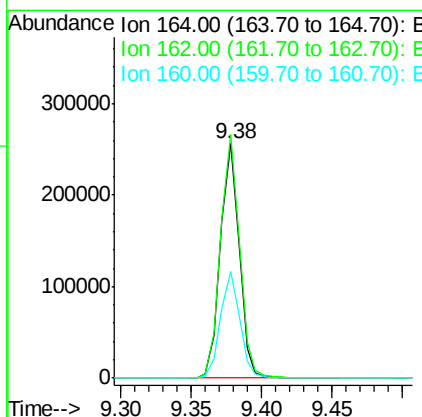
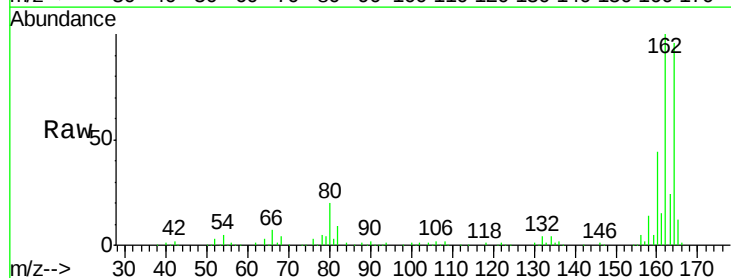
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA3-COMP2

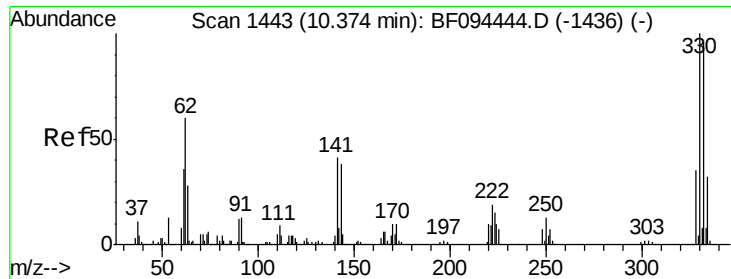
Tot Ion: 82 Resp: 678194  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 34.0 51.0  
 54 48.8 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.38 min Scan# 1265  
 Delta R.T. -0.02 min  
 Lab File: BF094652.D  
 Acq: 26 Apr 2017 17:41

Tgt Ion:164 Resp: 240445  
 Ion Ratio Lower Upper  
 164 100  
 162 103.8 82.6 123.8  
 160 45.6 36.2 54.2

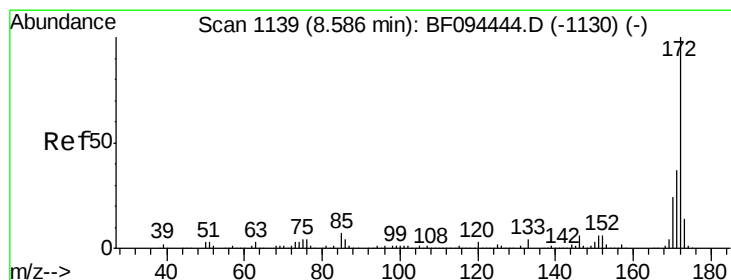
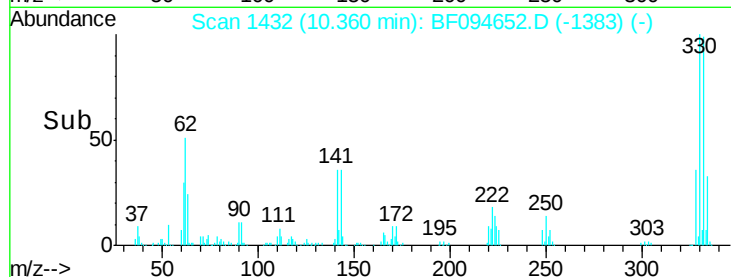
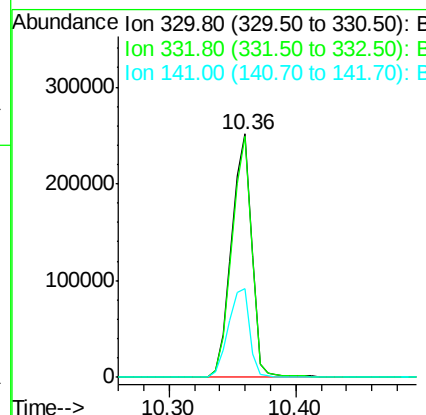
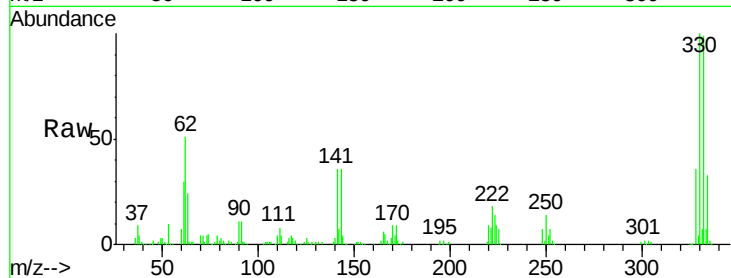




#41  
 2,4,6-Tribromophenol  
 Concen: 148.27 ng  
 RT: 10.36 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF094652.D  
 Acq: 26 Apr 2017 17:41

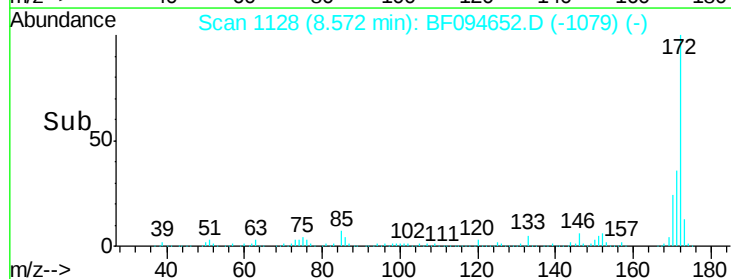
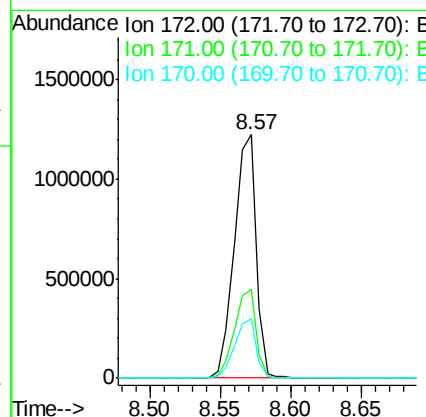
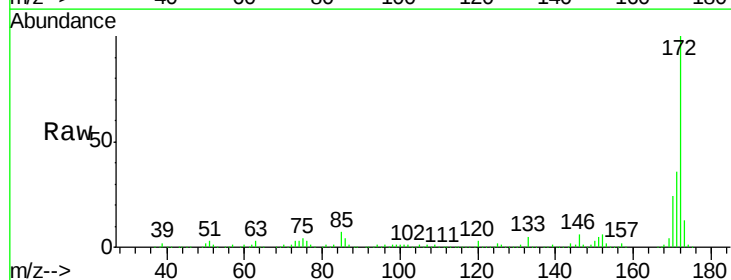
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA3-COMP2

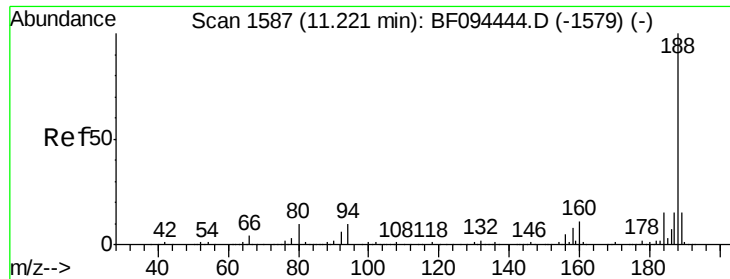
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 76.6  | 115.0 |
| 141     | 38.8  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 80.73 ng  
 RT: 8.57 min Scan# 1128  
 Delta R.T. -0.01 min  
 Lab File: BF094652.D  
 Acq: 26 Apr 2017 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.6  | 44.4  |
| 170     | 24.2  | 19.8  | 29.8  |

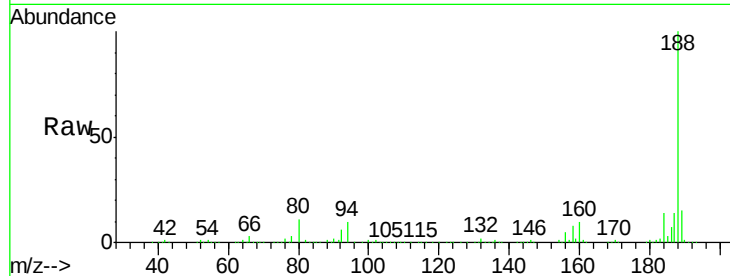




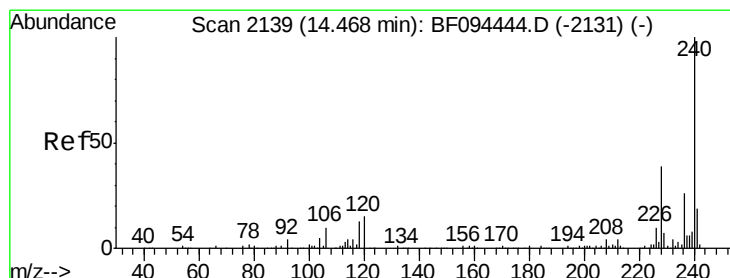
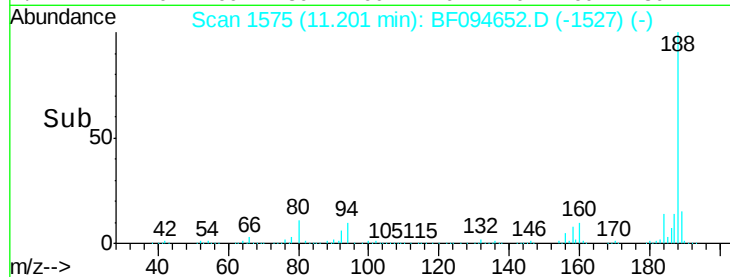
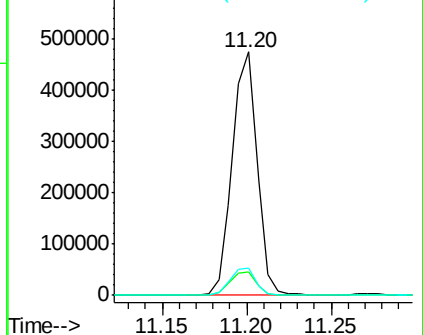
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.20 min Scan# 1575  
 Delta R.T. -0.02 min  
 Lab File: BF094652.D  
 Acq: 26 Apr 2017 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AREA3-COMP2

Tot Ion:188 Resp: 487568  
 Ion Ratio Lower Upper  
 188 100  
 94 9.7 9.4 14.2  
 80 11.1 10.2 15.2

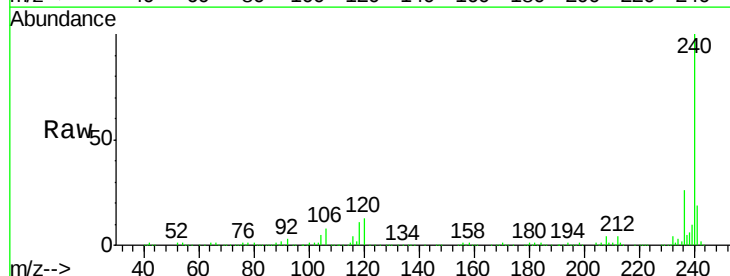


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

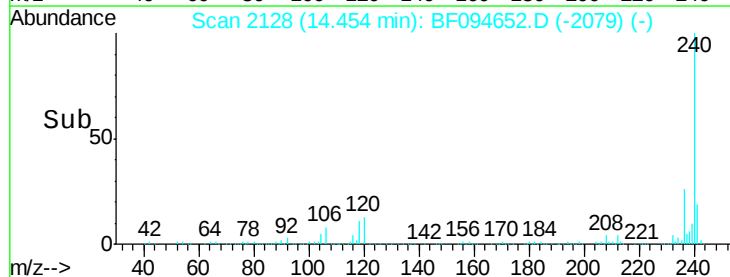
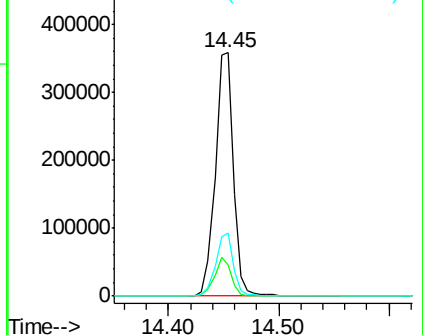


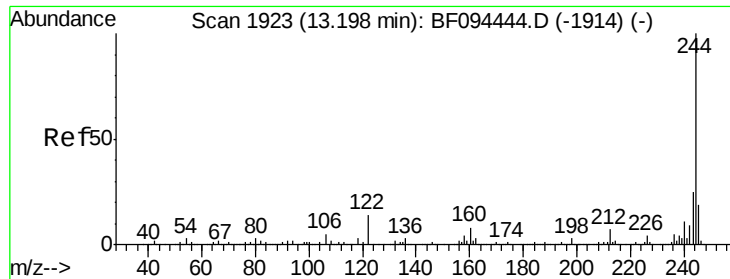
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.45 min Scan# 2128  
 Delta R.T. -0.01 min  
 Lab File: BF094652.D  
 Acq: 26 Apr 2017 17:41

Tgt Ion:240 Resp: 406450  
 Ion Ratio Lower Upper  
 240 100  
 120 12.9 5.8 8.8#  
 236 25.7 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: 89.40 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094652.D

Acq: 26 Apr 2017 17:41

Instrument :

BNA\_F

ClientSampleId :

AREA3-COMP2

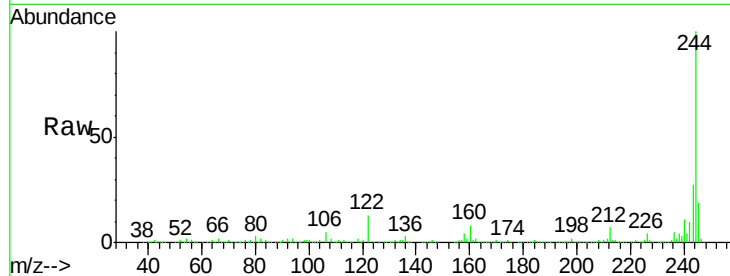
Tot Ion:244 Resp: 1359490

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

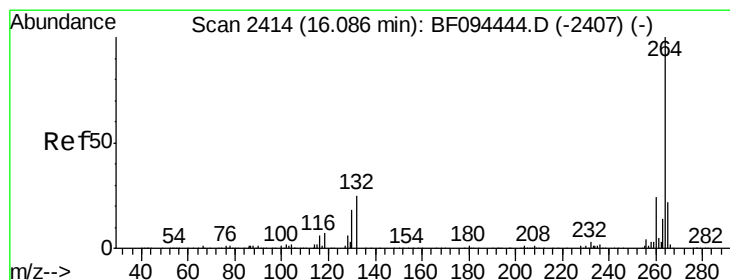
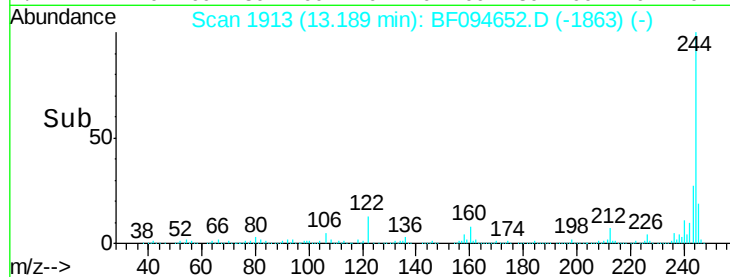
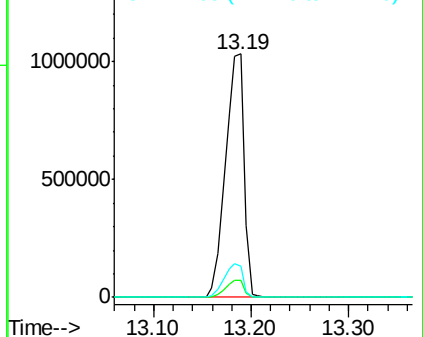
122 12.8 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094652.D

Acq: 26 Apr 2017 17:41

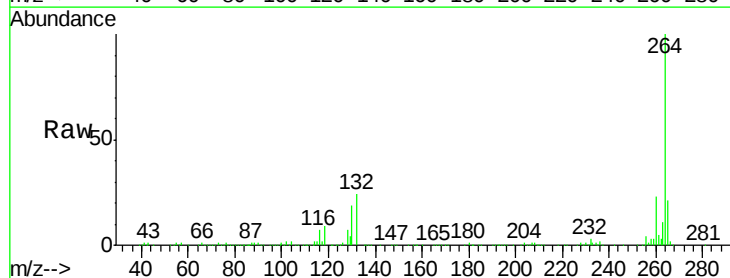
Tgt Ion:264 Resp: 297944

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

265 21.0 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

