

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012717\  
 Data File : BF092621.D  
 Acq On : 28 Jan 2017 12:28  
 Operator : SJ/MA  
 Sample : I1528-18  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-23-COMP

Quant Time: Jan 30 00:46:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

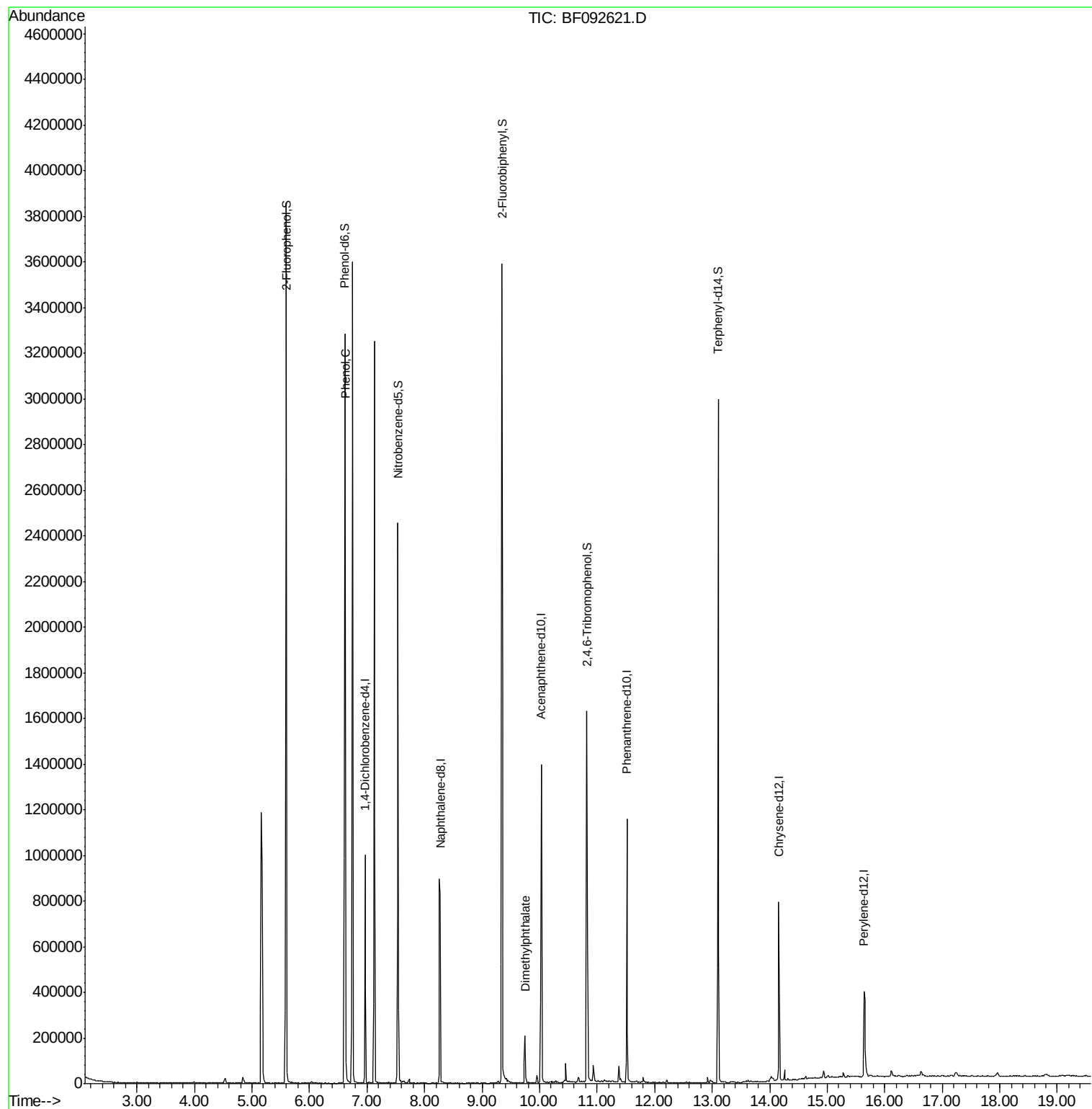
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 160610   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.27  | 136  | 614181   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 10.03 | 164  | 312194   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 11.52 | 188  | 410240   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 14.16 | 240  | 319636   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12            | 15.64 | 264  | 226367   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.60  | 112  | 1325956  | 128.45 | ng    | 0.05        |
| 7) Phenol-d6                | 6.61  | 99   | 1650982  | 125.56 | ng    | 0.02        |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 826916   | 73.55  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 203209   | 95.52  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 1468067  | 86.96  | ng    | -0.01       |
| 78) Terphenyl-d14           | 13.11 | 244  | 925435   | 77.10  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.62  | 94   | 48861    | 3.08   | ng    | Qvalue # 37 |
| 49) Dimethylphthalate       | 9.74  | 163  | 110443   | 5.56   | ng    | 98          |

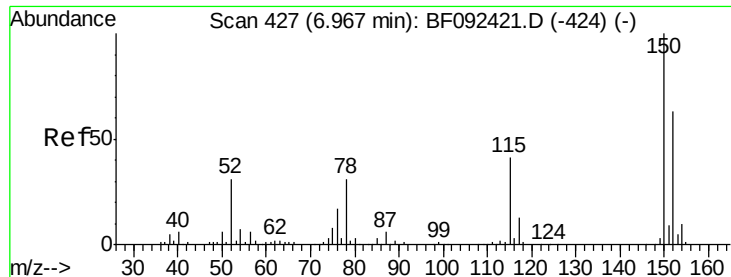
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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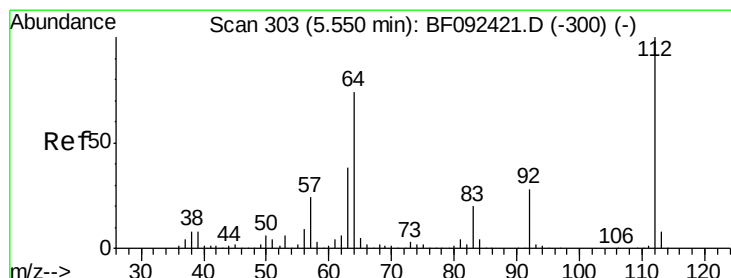
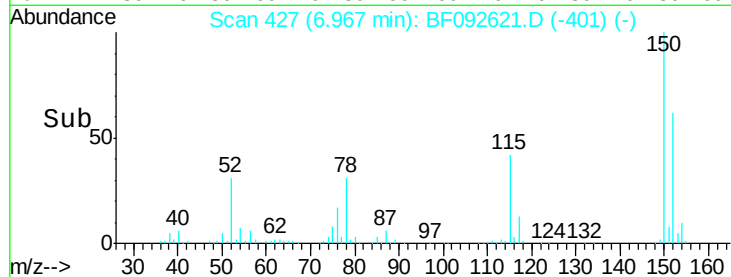
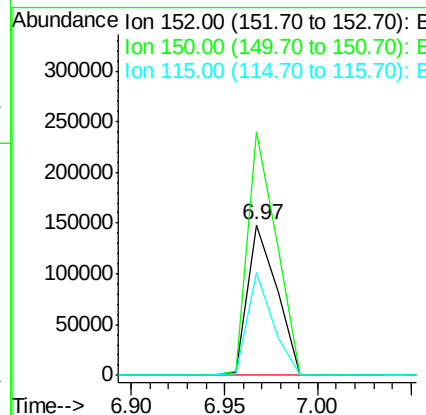
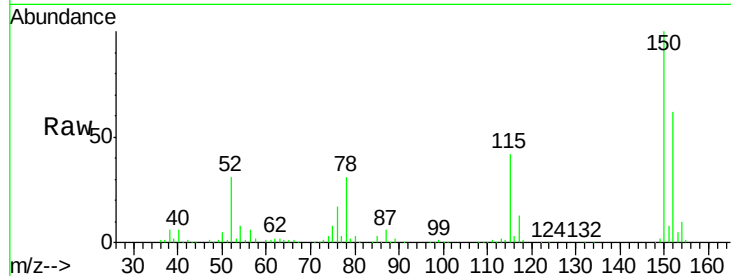


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.97 min Scan# 427  
Delta R.T. -0.00 min  
Lab File: BF092621.D  
Acq: 28 Jan 2017 12:28

Instrument :  
BNA\_F  
ClientSampleId :  
SB-23-COMP

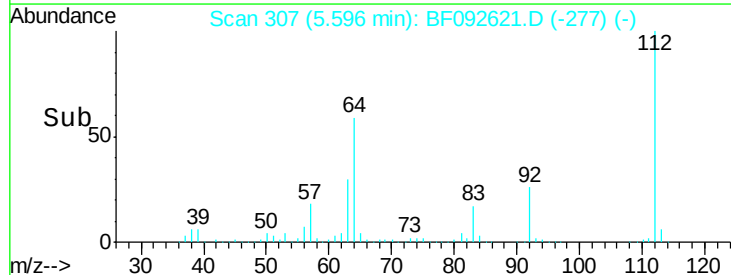
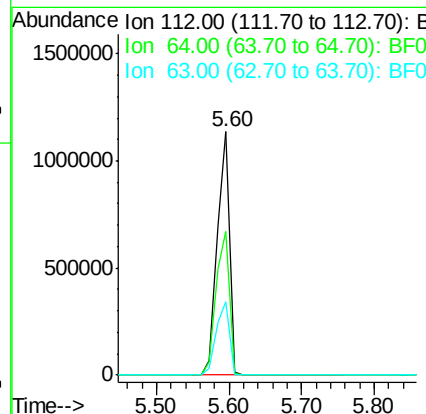
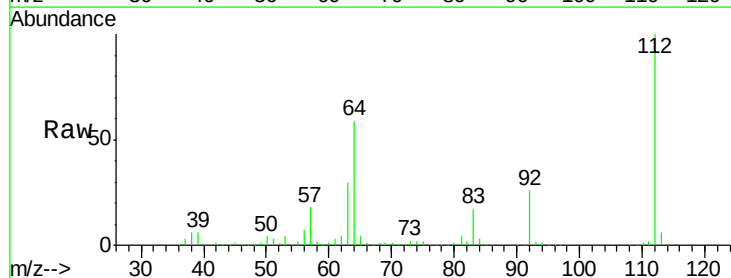
Tgt Ion:152 Resp: 160610  
Ion Ratio Lower Upper  
152 100  
150 161.6 124.9 187.3  
115 68.4 46.0 69.0

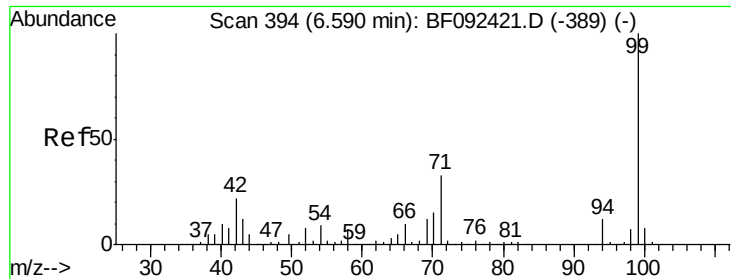


#5

2-Fluorophenol  
Concen: 128.45 ng  
RT: 5.60 min Scan# 307  
Delta R.T. 0.05 min  
Lab File: BF092621.D  
Acq: 28 Jan 2017 12:28

Tgt Ion:112 Resp: 1325956  
Ion Ratio Lower Upper  
112 100  
64 59.1 46.1 69.1  
63 29.9 23.8 35.6





#7

Phenol-d6

Concen: 125.56 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA\_F

ClientSampleId :

SB-23-COMP

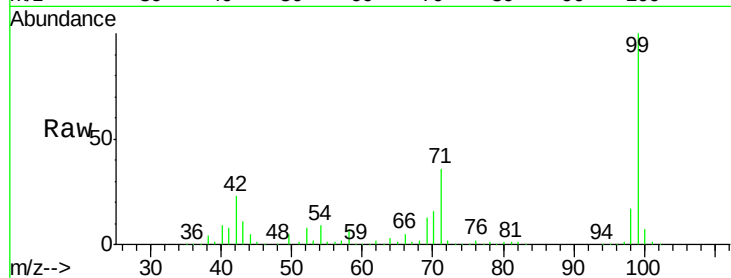
Tgt Ion: 99 Resp: 1650982

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

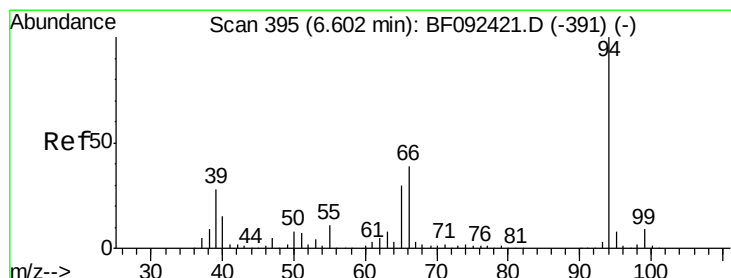
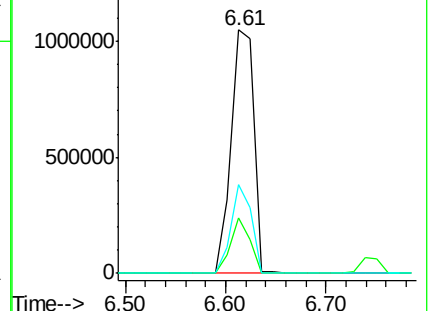
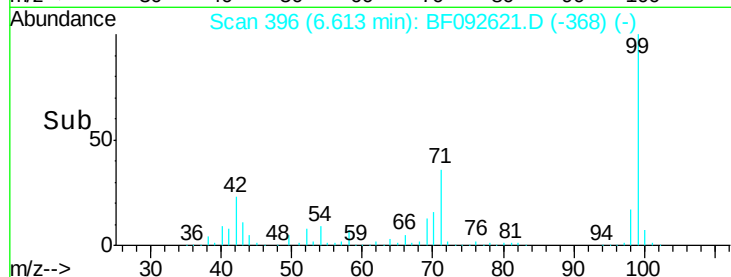
71 36.4 27.5 41.3



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: 3.08 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.02 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

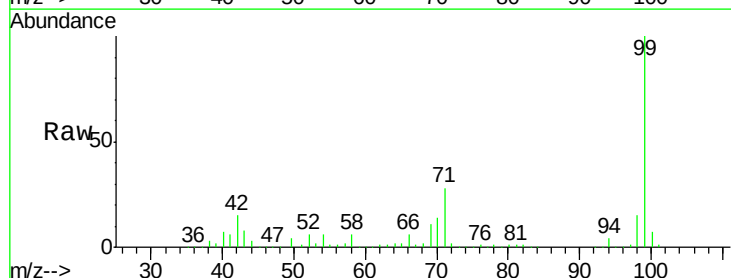
Tgt Ion: 94 Resp: 48861

Ion Ratio Lower Upper

94 100

65 53.8 21.4 61.4

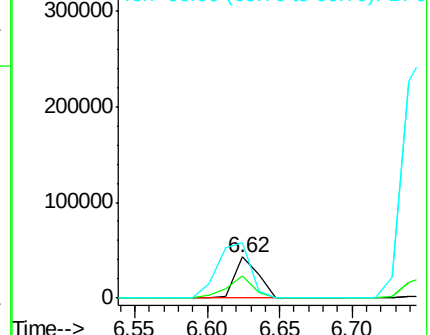
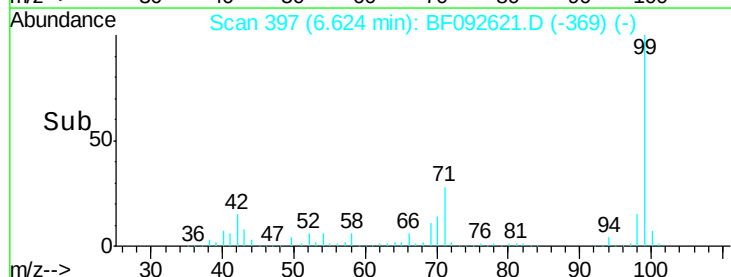
66 134.6 44.0 84.0#

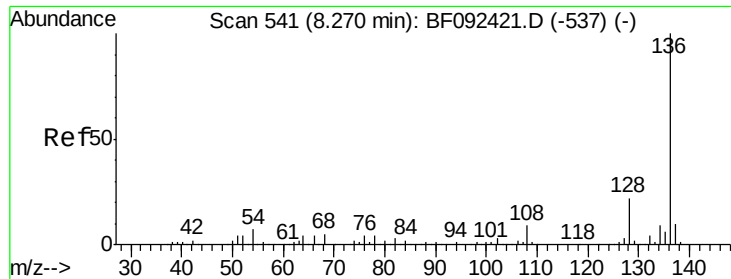


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

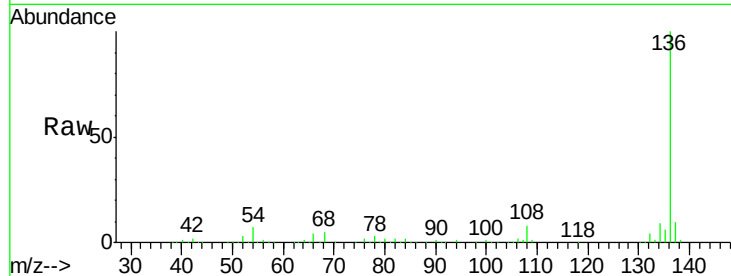




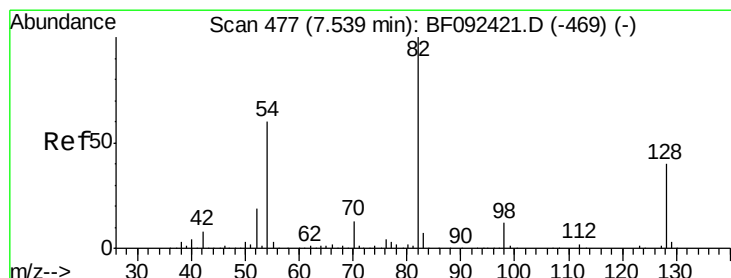
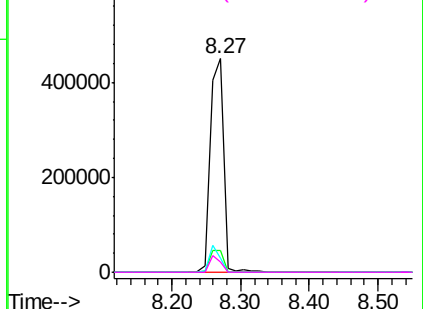
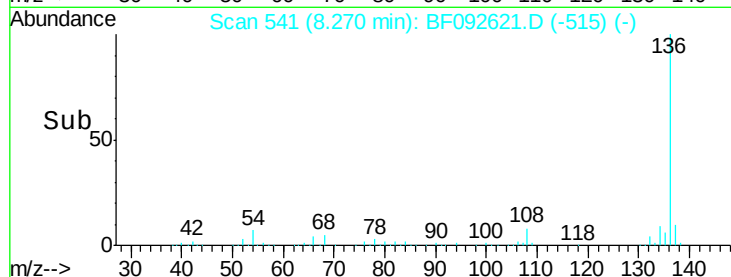
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.27 min Scan# 541  
Delta R.T. -0.00 min  
Lab File: BF092621.D  
Acq: 28 Jan 2017 12:28

Instrument :  
BNA\_F  
ClientSampleId :  
SB-23-COMP

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 614181 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.4   | 12.6   |
| 54       | 6.6   | 4.5   | 6.7    |
| 68       | 4.8   | 3.6   | 5.4    |

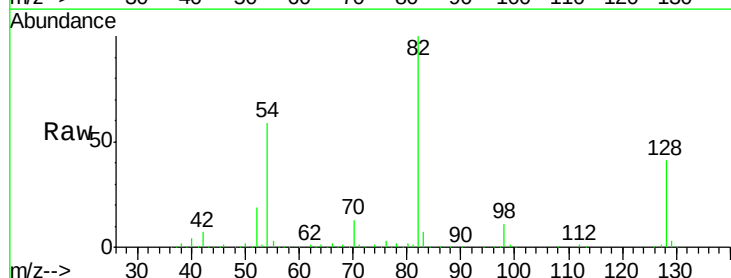


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

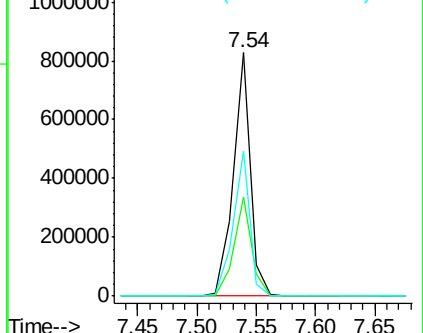
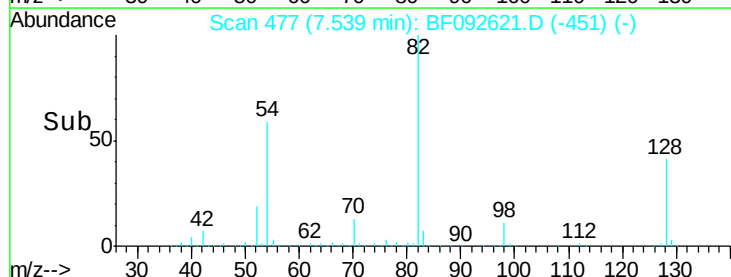


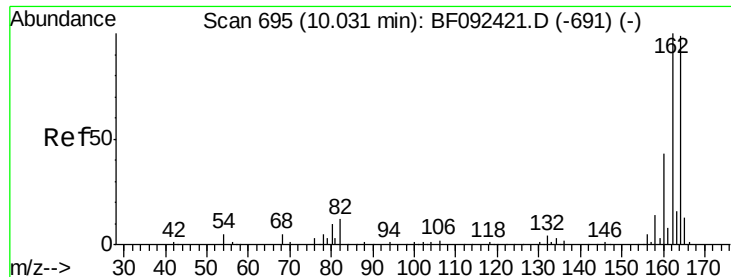
#23  
Nitrobenzene-d5  
Concen: 73.55 ng  
RT: 7.54 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: BF092621.D  
Acq: 28 Jan 2017 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 826916 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.9  | 34.6  | 52.0   |
| 54       | 59.3  | 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

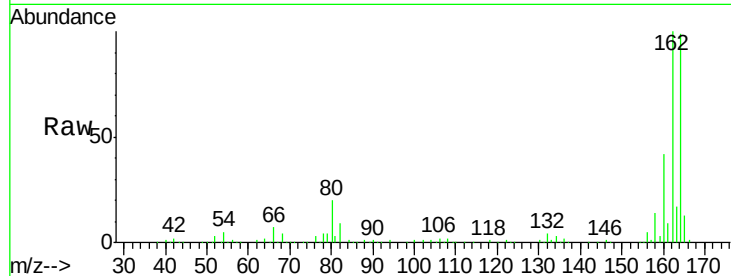




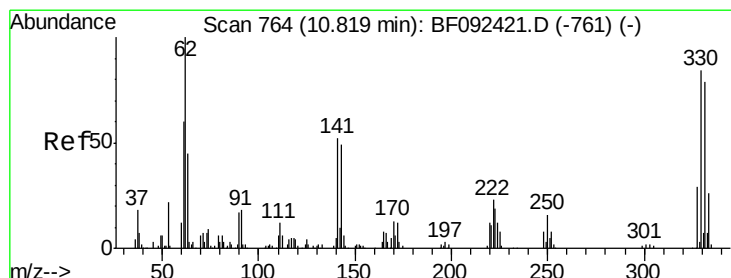
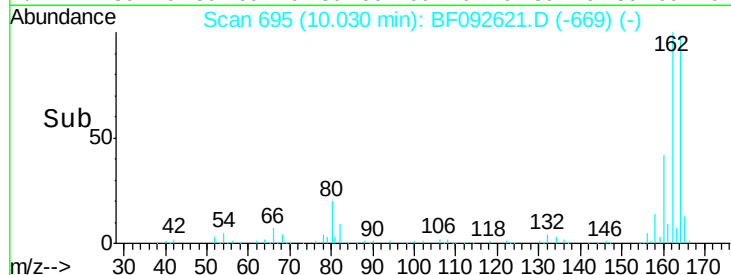
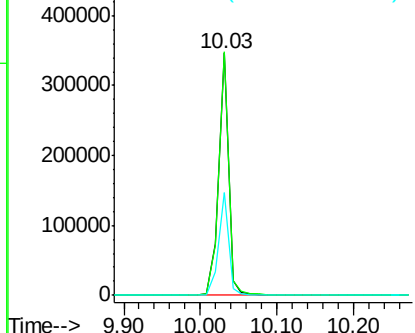
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.03 min Scan# 695  
 Delta R.T. -0.00 min  
 Lab File: BF092621.D  
 Acq: 28 Jan 2017 12:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-23-COMP

Tgt Ion:164 Resp: 312194  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 80.2 120.2  
 160 42.5 36.9 55.3

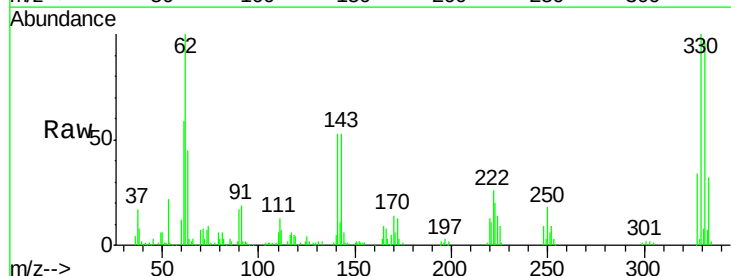


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

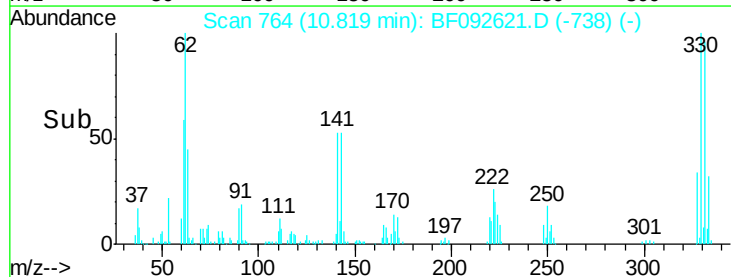
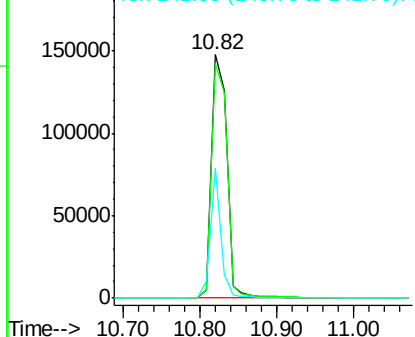


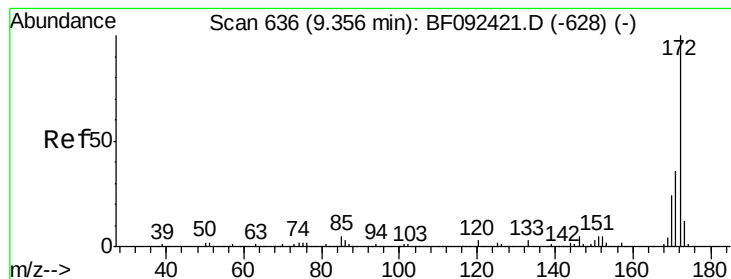
#41  
 2,4,6-Tribromophenol  
 Concen: 95.52 ng  
 RT: 10.82 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BF092621.D  
 Acq: 28 Jan 2017 12:28

Tgt Ion:330 Resp: 203209  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 77.4 116.2  
 141 36.3 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: 86.96 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

Instrument :

BNA\_F

ClientSampleId :

SB-23-COMP

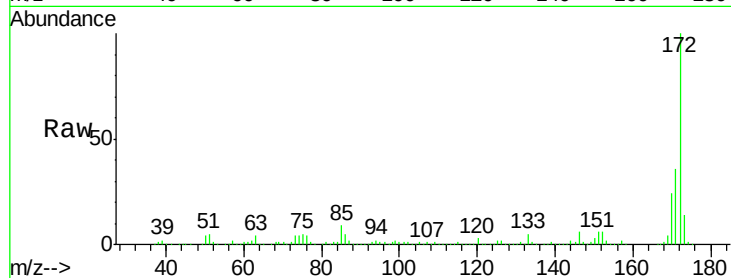
Tgt Ion:172 Resp: 1468067

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.0

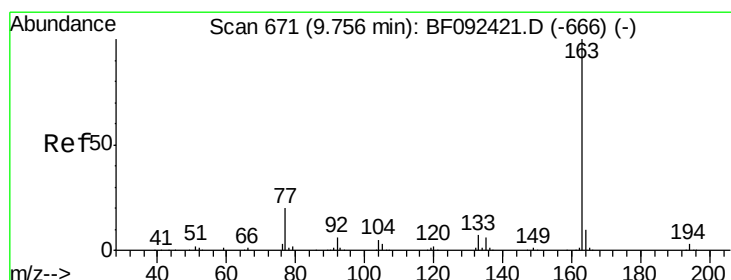
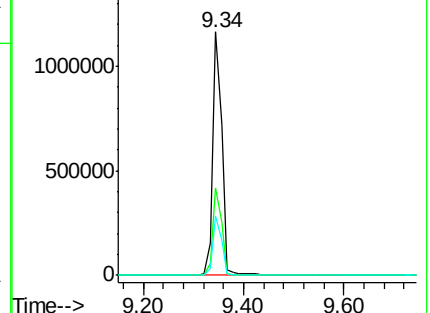
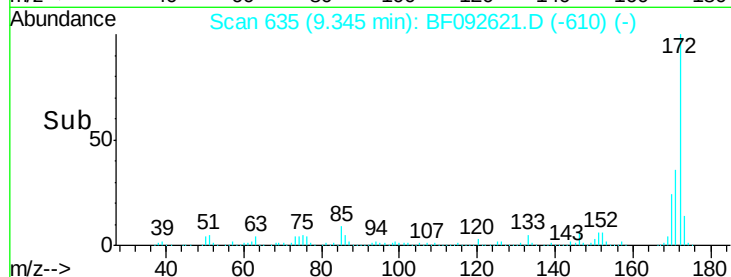
170 24.2 20.2 30.4



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: 5.56 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092621.D

Acq: 28 Jan 2017 12:28

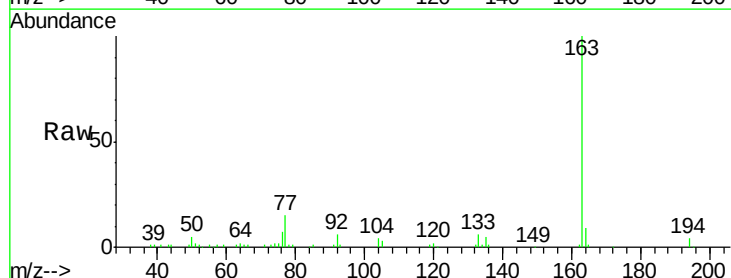
Tgt Ion:163 Resp: 110443

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

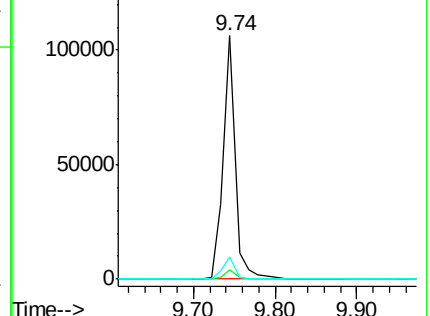
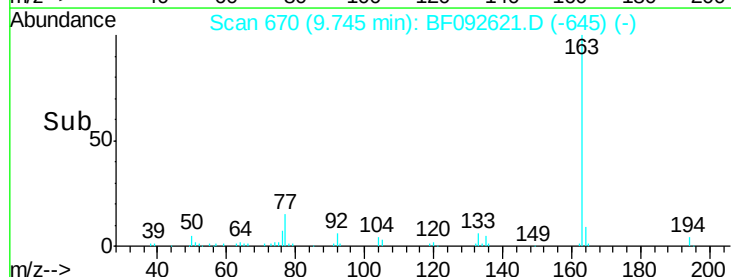
164 9.2 8.0 12.0

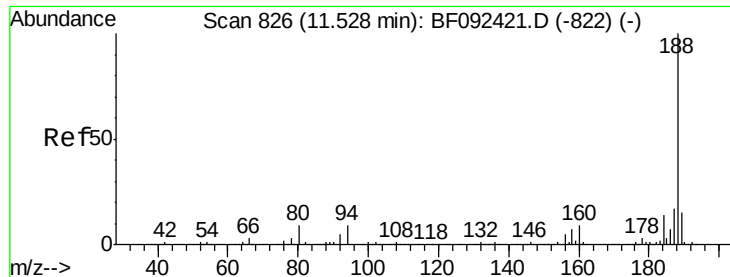


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

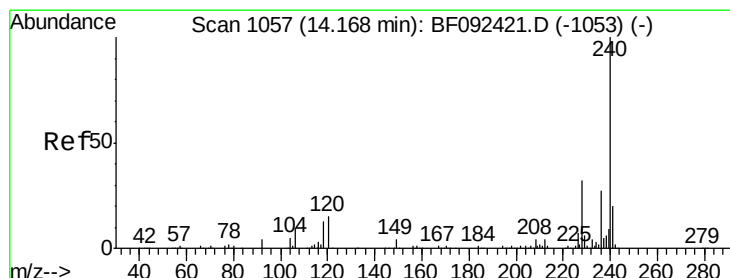
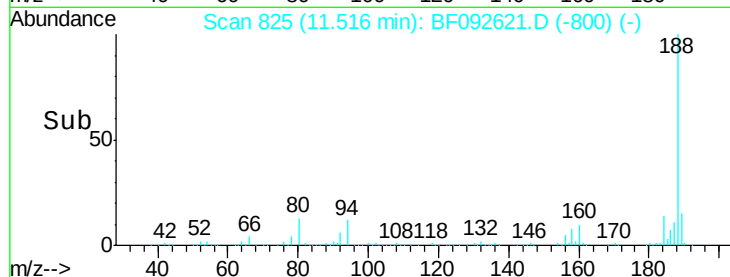
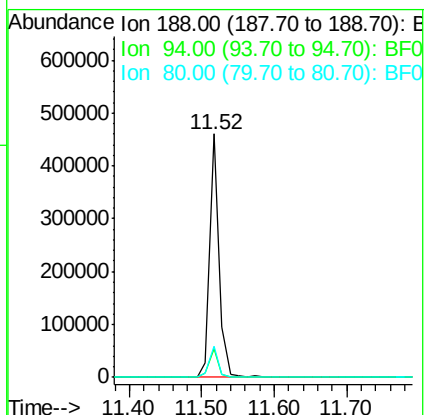
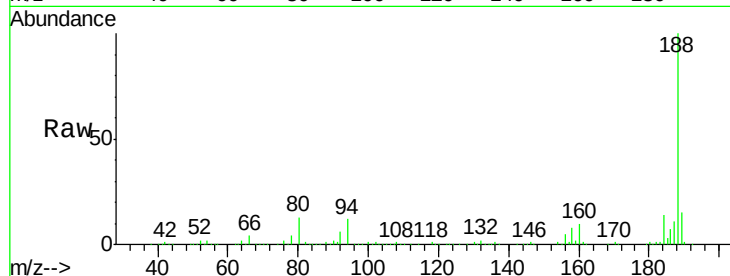




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.52 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BF092621.D  
Acq: 28 Jan 2017 12:28

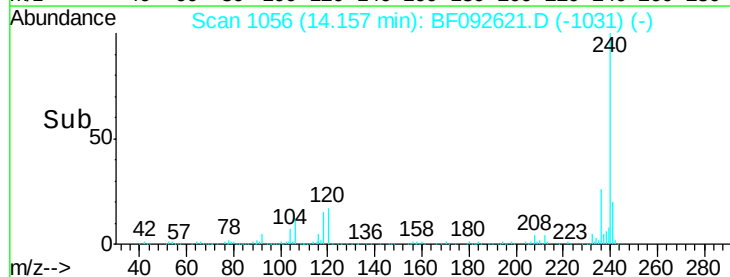
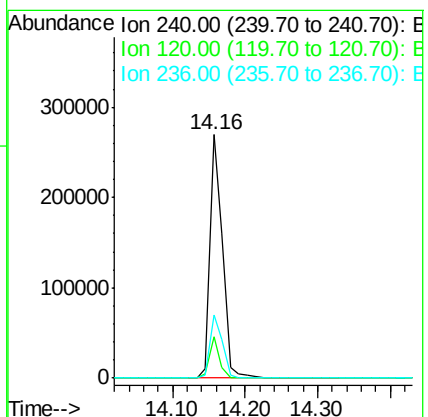
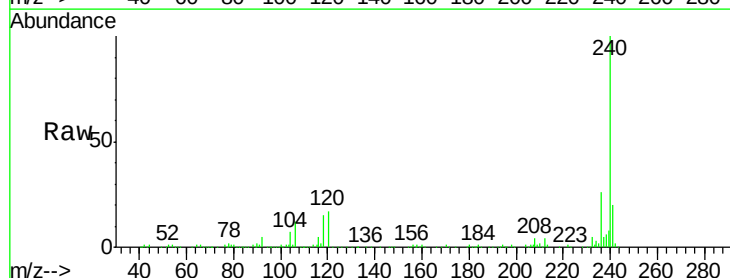
Instrument :  
BNA\_F  
ClientSampleId :  
SB-23-COMP

Tgt Ion:188 Resp: 410240  
Ion Ratio Lower Upper  
188 100  
94 11.8 10.0 15.0  
80 12.9 11.2 16.8

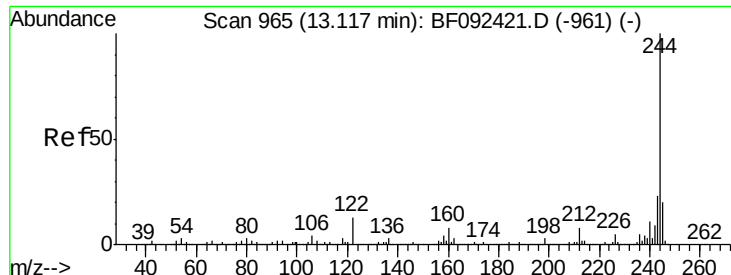


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.16 min Scan# 1056  
Delta R.T. -0.01 min  
Lab File: BF092621.D  
Acq: 28 Jan 2017 12:28

Tgt Ion:240 Resp: 319636  
Ion Ratio Lower Upper  
240 100  
120 17.1 12.9 19.3  
236 25.7 20.9 31.3



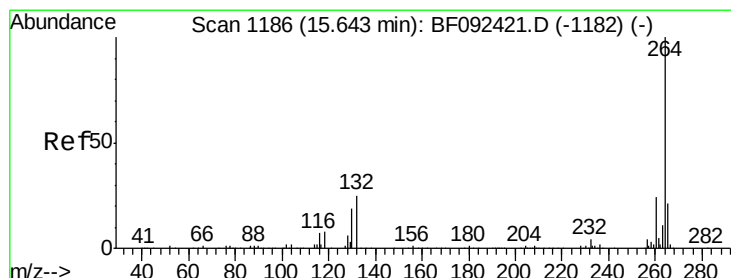
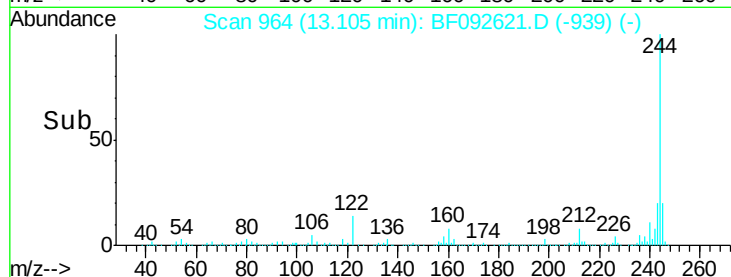
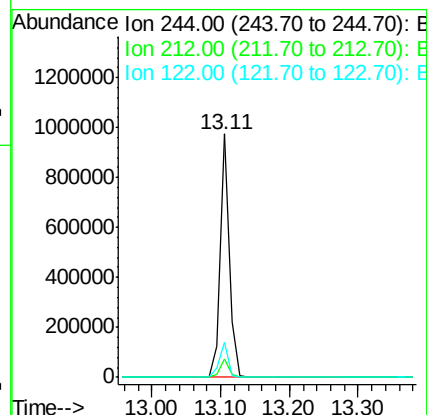
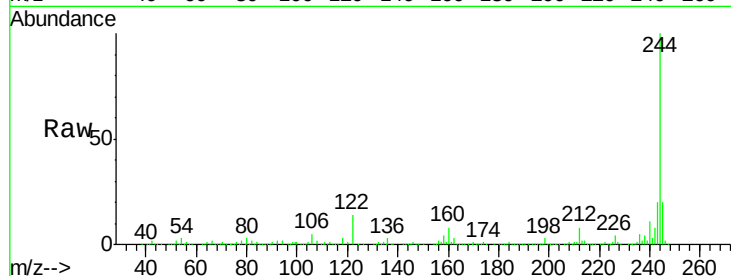




#78  
 Terphenyl-d14  
 Concen: 77.10 ng  
 RT: 13.11 min Scan# 964  
 Delta R.T. -0.01 min  
 Lab File: BF092621.D  
 Acq: 28 Jan 2017 12:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-23-COMP

Tgt Ion:244 Resp: 925435  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.2  
 122 14.2 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.64 min Scan# 1186  
 Delta R.T. -0.00 min  
 Lab File: BF092621.D  
 Acq: 28 Jan 2017 12:28

Tgt Ion:264 Resp: 226367  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.2 28.8  
 265 21.9 17.4 26.0

