

Data Path : Z:\HPCHEM1\BNA\_L\DATA\BL062111\  
 Data File : BL000326.D  
 Acq On : 21 Jun 2011 23:37  
 Operator : HLM/JCSA  
 Sample : C2622-09  
 Misc : SOIL BNA\_L HLM  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 05:25:34 2011  
 Quant Method : H:\VOL1\GCMSDATA\L\METHODS\BL060911.M  
 Quant Title : SW-846 Method 8270  
 QLast Update : Wed Jun 22 15:00:59 2011  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 0.00  | 152  | 0        | 0.00  | ug/ml | -9.86    |
| 22) Naphthalene-d8        | 0.00  | 136  | 0        | 0.00  | ug/ml | -12.18   |
| 39) Acenaphthene-d10      | 0.00  | 164  | 0        | 0.00  | ug/ml | -15.42   |
| 62) Phenanthrene-d10      | 0.00  | 188  | 0        | 0.00  | ug/ml | -18.20   |
| 78) Chrysene-d12          | 21.80 | 240  | 2076     | 40.00 | ug/ml | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 2860     | 40.00 | ug/ml | -0.01    |

## System Monitoring Compounds

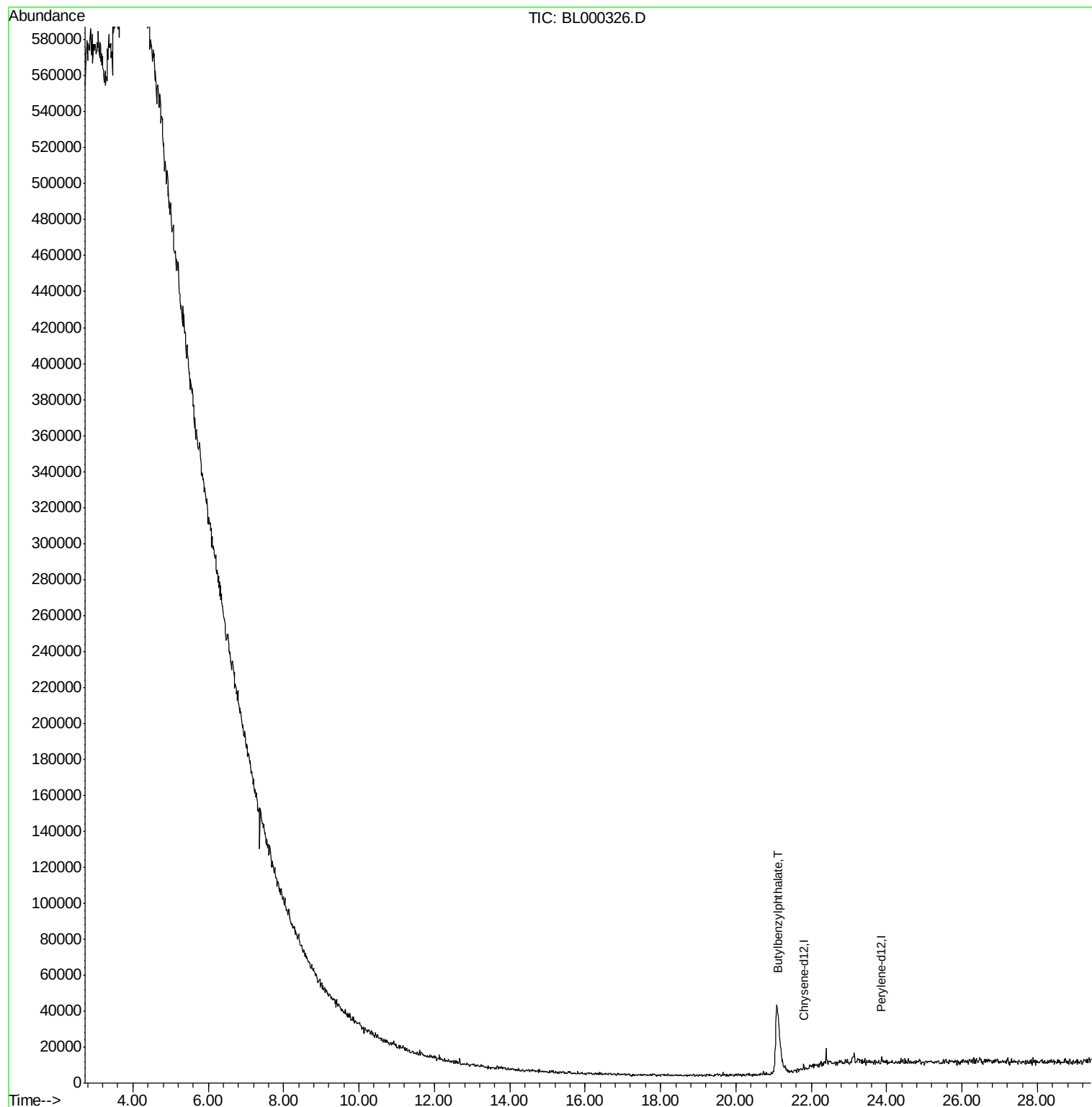
|                          |         |       |          |          |       |        |
|--------------------------|---------|-------|----------|----------|-------|--------|
| 5) 2-Fluorophenol        | 0.00    | 112   | 0        | 0.00     | ug/ml |        |
| Spiked Amount            | 200.000 | Range | 35 - 105 | Recovery | =     | 0.00%# |
| 9) Phenol-d5             | 9.18    | 99    | 440      | 0.00     | ug/ml | -0.02  |
| Spiked Amount            | 200.000 | Range | 40 - 100 | Recovery | =     | 0.00%# |
| 23) Nitrobenzene-d5      | 0.00    | 82    | 0        | 0.00     | ug/ml |        |
| Spiked Amount            | 100.000 | Range | 35 - 100 | Recovery | =     | 0.00%# |
| 43) 2-Fluorobiphenyl     | 0.00    | 172   | 0        | 0.00     | ug/ml |        |
| Spiked Amount            | 100.000 | Range | 45 - 105 | Recovery | =     | 0.00%# |
| 61) 2,4,6-Tribromophenol | 0.00    | 330   | 0        | 0.00     | ug/ml |        |
| Spiked Amount            | 200.000 | Range | 35 - 125 | Recovery | =     | 0.00%# |
| 80) Terphenyl-d14        | 0.00    | 244   | 0        | 0.00     | ug/ml |        |
| Spiked Amount            | 100.000 | Range | 30 - 125 | Recovery | =     | 0.00%# |

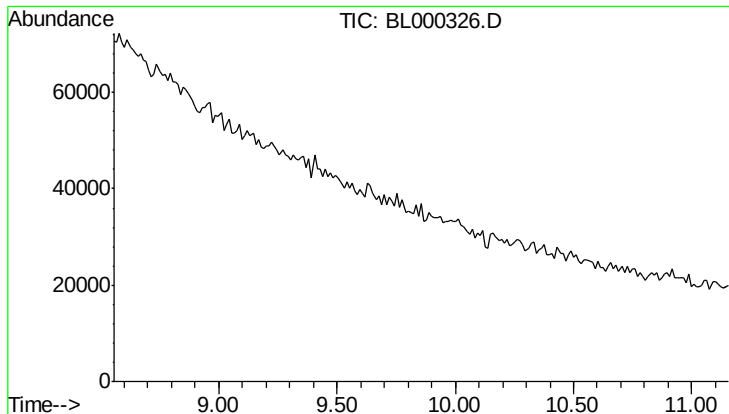
| Target Compounds         |       |     |      |              | Qvalue |
|--------------------------|-------|-----|------|--------------|--------|
| 81) Butylbenzylphthalate | 21.12 | 149 | 1991 | 36.58 ug/ml# | 62     |

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

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Misc : SOIL BNA\_L HLM  
ALS Vial : 15 Sample Multiplier: 1

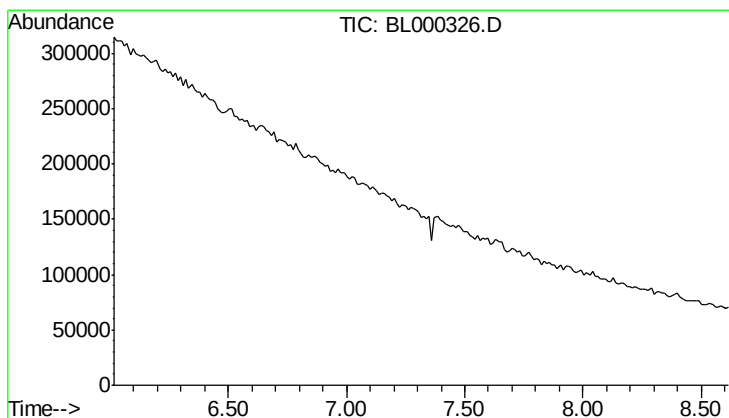
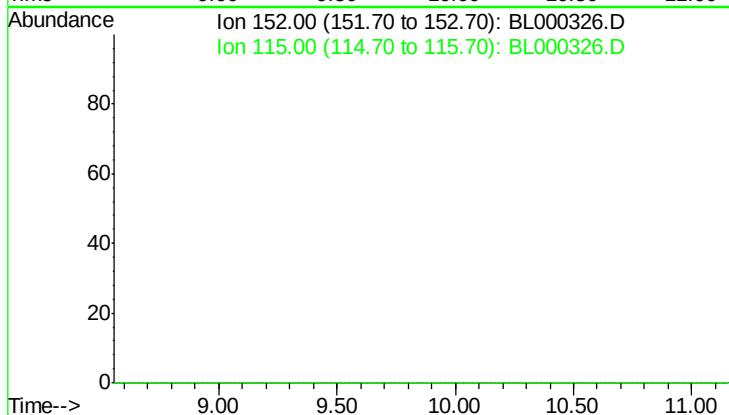
Quant Time: Jun 25 05:25:34 2011  
Quant Method : H:\VOL1\GCMSDATA\L\METHODS\BL060911.M  
Quant Title : SW-846 Method 8270  
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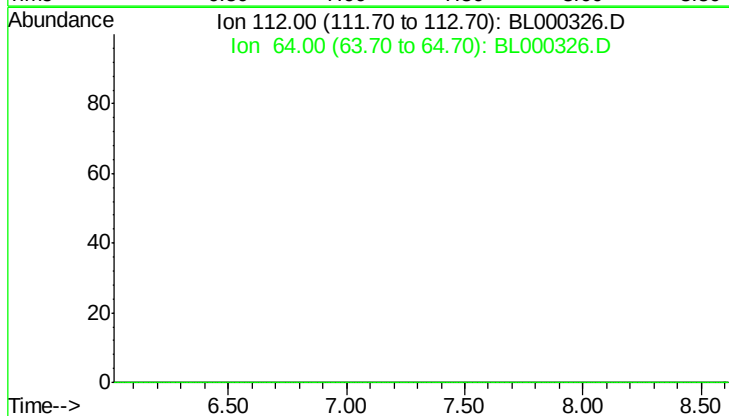
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ug/ml  
 Expected RT: 9.86 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

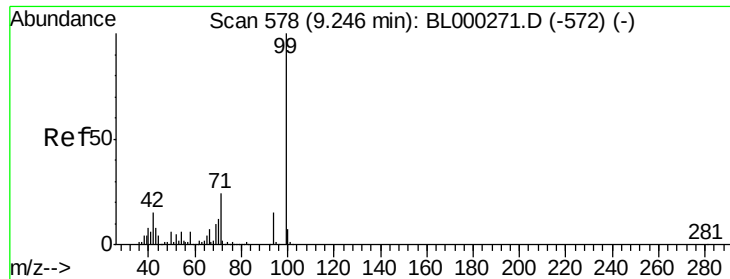
| Tgt Ion | Exp Ratio |
|---------|-----------|
| 152     | 100       |
| 115     | 47.0      |



#5  
 2-Fluorophenol  
 Concen: 0.00 ug/ml  
 Expected RT: 7.32 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 112     | 100       |
| 64      | 52.8      |





#9

Phenol-d5

Concen: 0.00 ug/ml

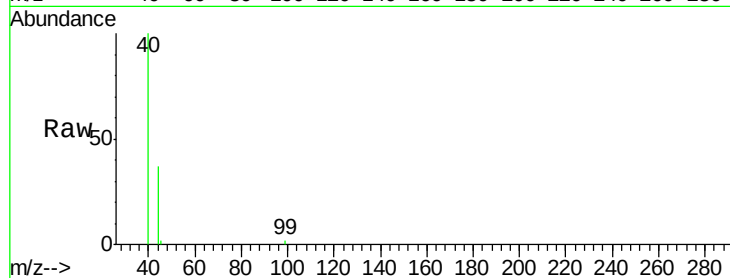
RT: 9.18 min Scan# 572

Delta R.T. -0.02 min

Lab File: BL000326.D

Acq: 21 Jun 2011 23:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 440   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 0.0   | 35.6  |
| 71       | 0.0   | 3.6   | 43.6# |



Abundance Ion 99.00 (98.70 to 99.70): BL0

Ion 42.00 (41.70 to 42.70): BL0

Ion 71.00 (70.70 to 71.70): BL0

9.18

600

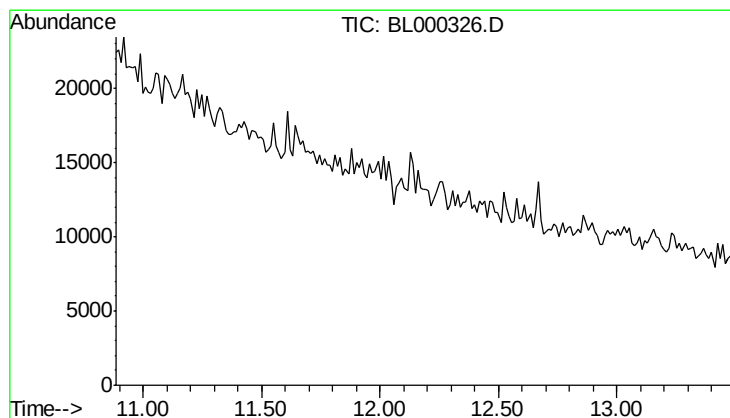
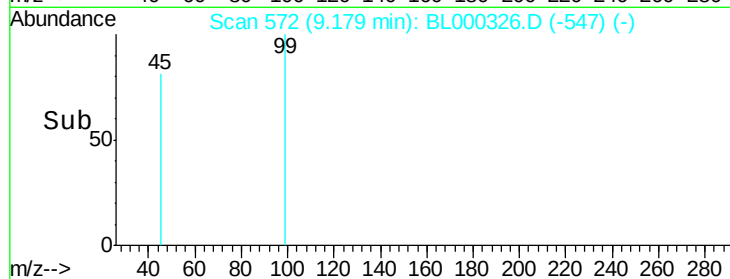
400

200

0

9.14 9.16 9.18 9.20

Time-->



#22

Naphthalene-d8

Concen: 0.00 ug/ml

Expected RT: 12.18 min

Lab File: BL000326.D

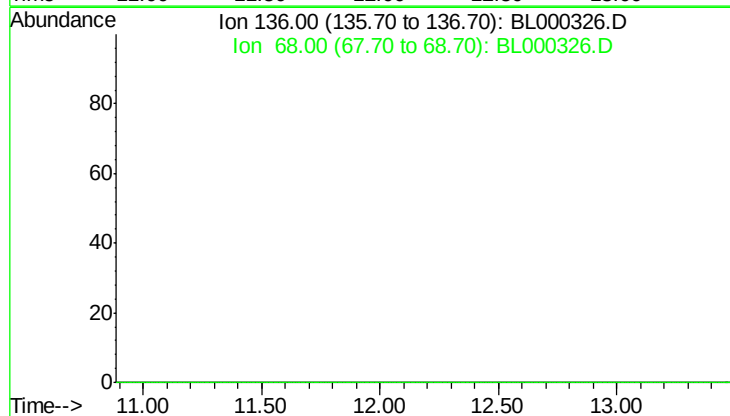
Acq: 21 Jun 2011 23:37

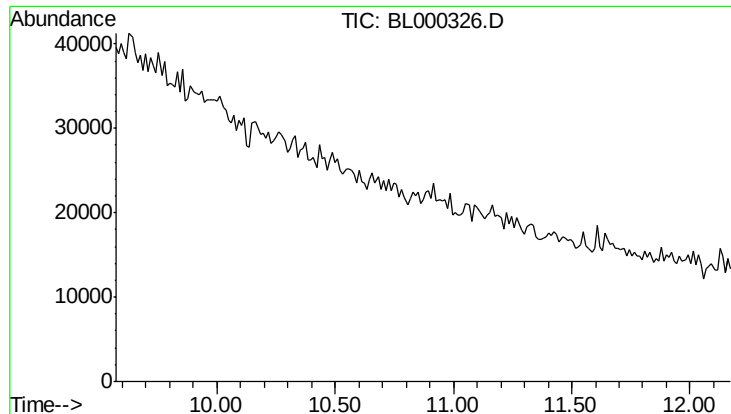
Tgt Ion: 136

Sig Exp Ratio

136 100

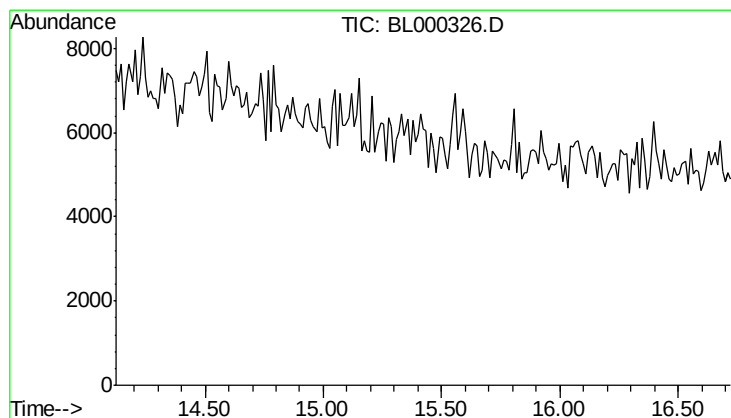
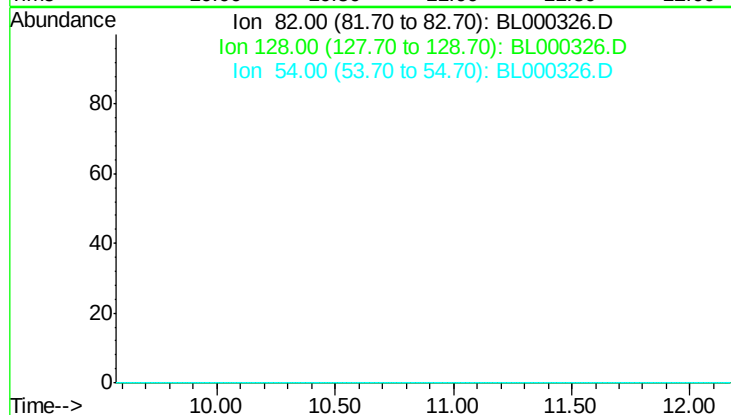
68 9.0





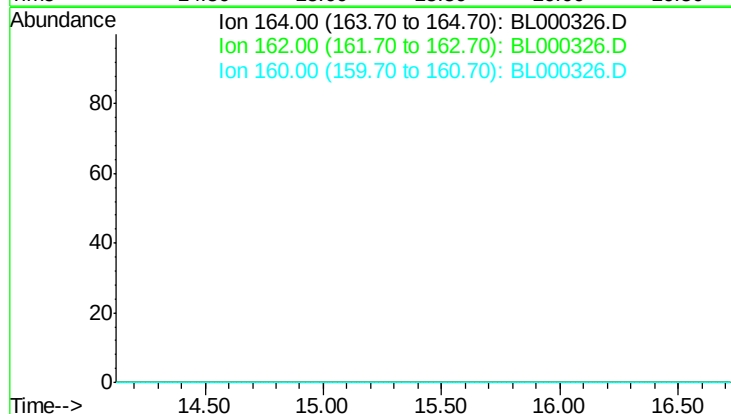
#23  
 Nitrobenzene-d5  
 Concen: 0.00 ug/ml  
 Expected RT: 10.87 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

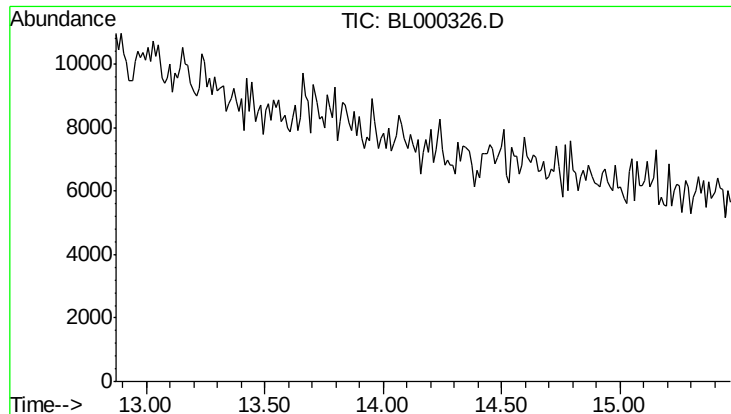
| Tgt Ion | Exp Ratio |
|---------|-----------|
| 82      | 100       |
| 128     | 56.8      |
| 54      | 44.1      |



#39  
 Acenaphthene-d10  
 Concen: 0.00 ug/ml  
 Expected RT: 15.42 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 164     | 100       |
| 162     | 92.4      |
| 160     | 39.7      |

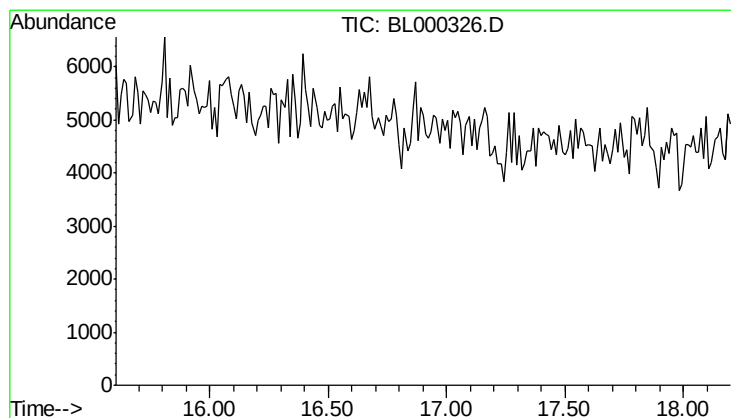
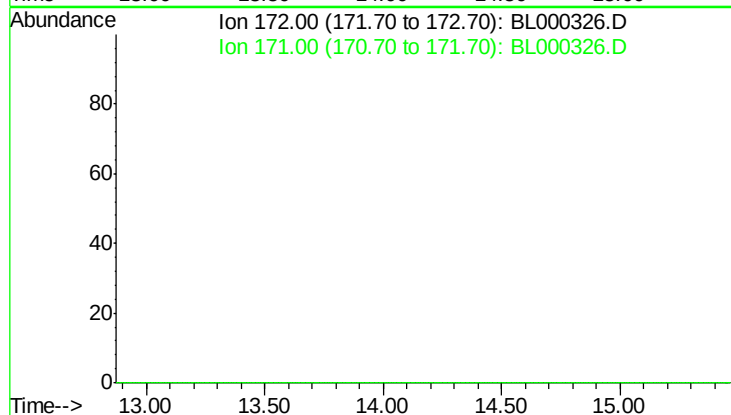




#43  
2-Fluorobiphenyl  
Concen: 0.00 ug/ml  
Expected RT: 14.17 min

Lab File: BL000326.D  
Acq: 21 Jun 2011 23:37

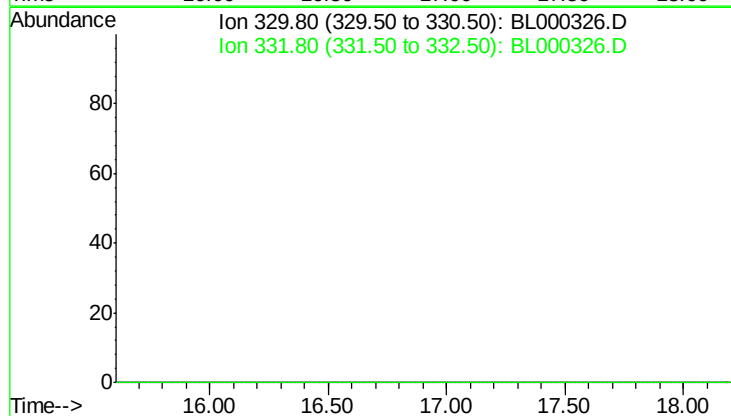
| Tgt Ion: | 172       |
|----------|-----------|
| Sig      | Exp Ratio |
| 172      | 100       |
| 171      | 36.0      |

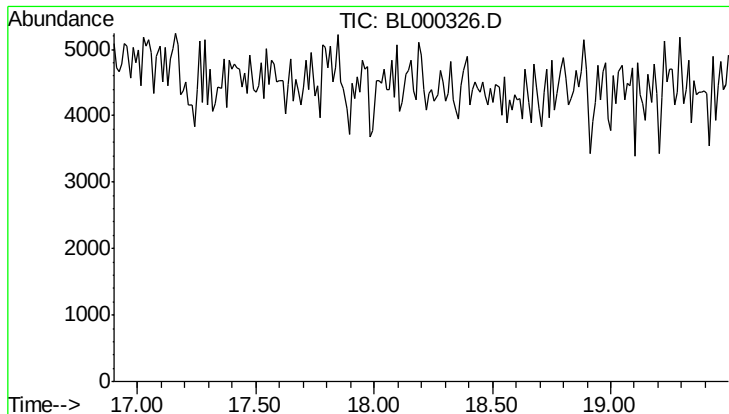


#61  
2,4,6-Tribromophenol  
Concen: 0.00 ug/ml  
Expected RT: 16.90 min

Lab File: BL000326.D  
Acq: 21 Jun 2011 23:37

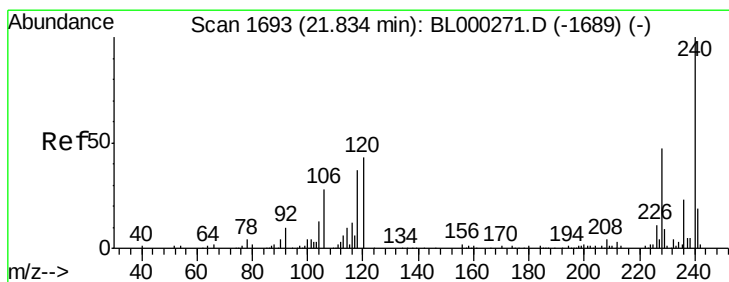
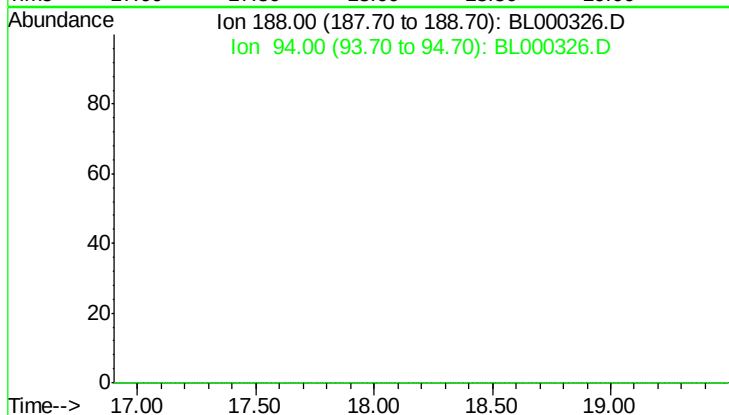
| Tgt Ion: | 330       |
|----------|-----------|
| Sig      | Exp Ratio |
| 330      | 100       |
| 332      | 94.6      |





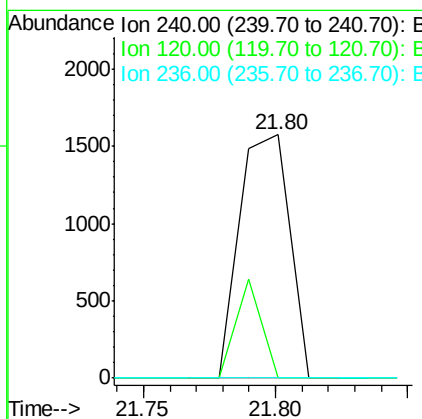
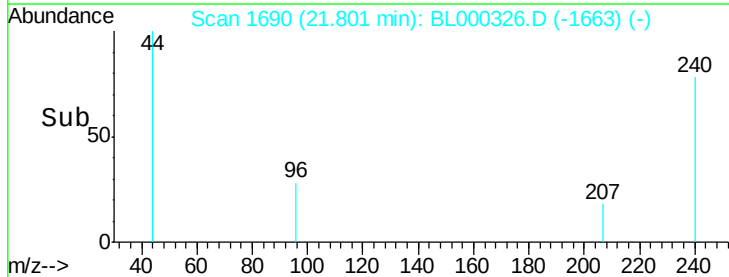
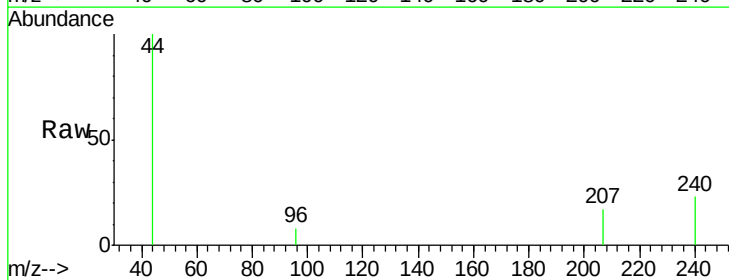
#62  
 Phenanthrene-d10  
 Concen: 0.00 ug/ml  
 Expected RT: 18.20 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

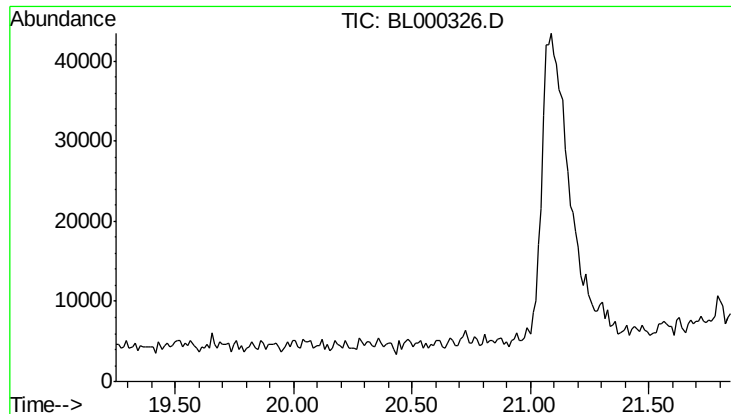
Tgt Ion: 188  
 Sig Exp Ratio  
 188 100  
 94 19.3



#78  
 Chrysene-d12  
 Concen: 40.00 ug/ml  
 RT: 21.80 min Scan# 1690  
 Delta R.T. 0.00 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

Tgt Ion: 240 Resp: 2076  
 Ion Ratio Lower Upper  
 240 100  
 120 0.0 16.3 56.3#  
 236 0.0 3.9 43.9#

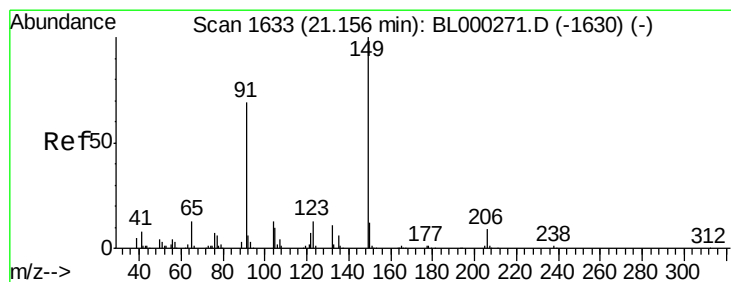
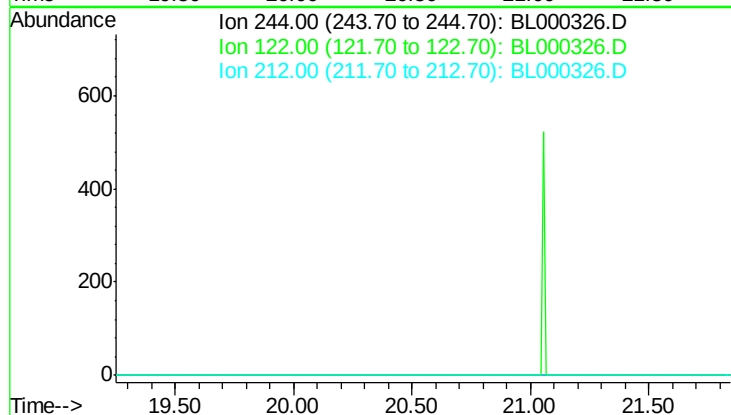




#80  
 Terphenyl-d14  
 Concen: 0.00 ug/ml  
 Expected RT: 20.55 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

Tgt Ion: 244  

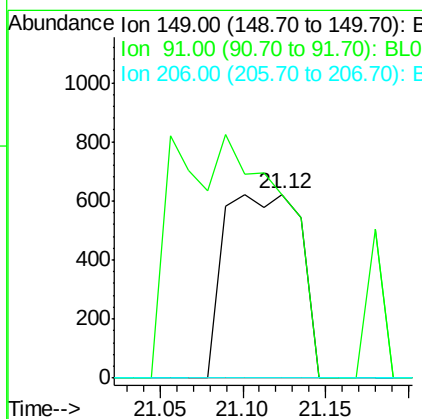
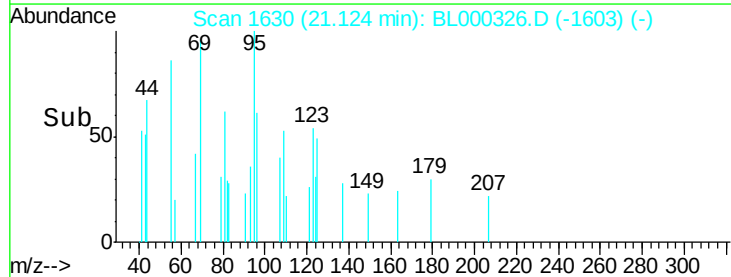
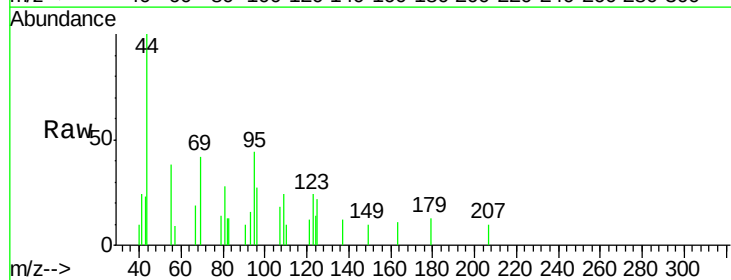
| Sig | Exp Ratio |
|-----|-----------|
| 244 | 100       |
| 122 | 38.3      |
| 212 | 7.0       |



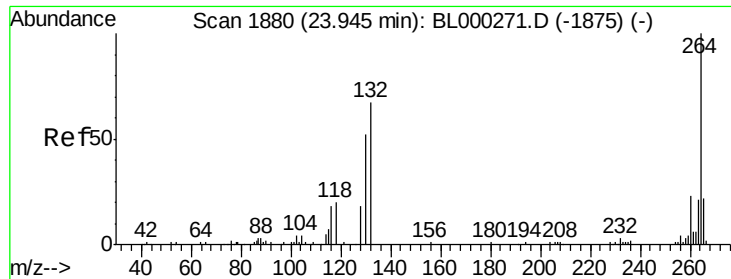
#81  
 Butylbenzylphthalate  
 Concen: 36.58 ug/ml  
 RT: 21.12 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: BL000326.D  
 Acq: 21 Jun 2011 23:37

Tgt Ion: 149 Resp: 1991  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 100.2 | 48.4  | 88.4# |
| 206 | 0.0   | 0.0   | 29.9  |

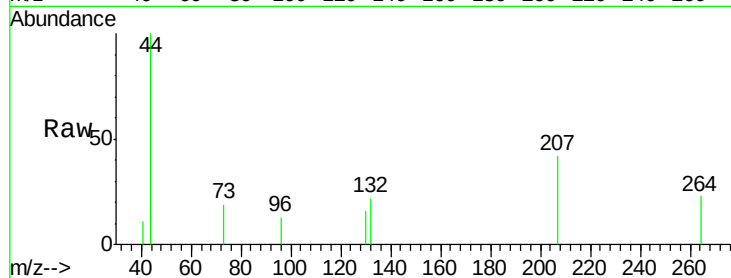






#86  
Perylene-d12  
Concen: 40.00 ug/ml  
RT: 23.87 min Scan# 1873  
Delta R.T. -0.01 min  
Lab File: BL000326.D  
Acq: 21 Jun 2011 23:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 2860  |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 0.0   | 2.7   | 42.7# |
| 265       | 0.0   | 0.6   | 40.6# |



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

