

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102014\  
 Data File : BE088134.D  
 Acq On : 21 Oct 2014 10:12  
 Operator : TP/JJ  
 Sample : PB79718BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB79718BL

Quant Time: Oct 21 15:08:20 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE102014.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 21 02:11:14 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.14  | 152  | 34378    | 5.00 | ng    | 0.00     |
| 3) Naphthalene-d8           | 8.70  | 136  | 129459   | 5.00 | ng    | 0.00     |
| 7) Acenaphthene-d10         | 10.85 | 164  | 57619    | 5.00 | ng    | 0.00     |
| 12) Phenanthrene-d10        | 12.96 | 188  | 104705   | 5.00 | ng    | 0.00     |
| 16) Chrysene-d12            | 18.38 | 240  | 70219    | 5.00 | ng    | 0.00     |
| 22) Perylene-d12            | 21.44 | 264  | 65610    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) Nitrobenzene-d5          | 7.82  | 82   | 67078    | 7.19 | ng    | 0.00     |
| 8) 2-Fluorobiphenyl         | 10.03 | 172  | 113305   | 7.12 | ng    | 0.00     |
| 18) Terphenyl-d14           | 16.15 | 244  | 87696    | 7.76 | ng    | 0.00     |

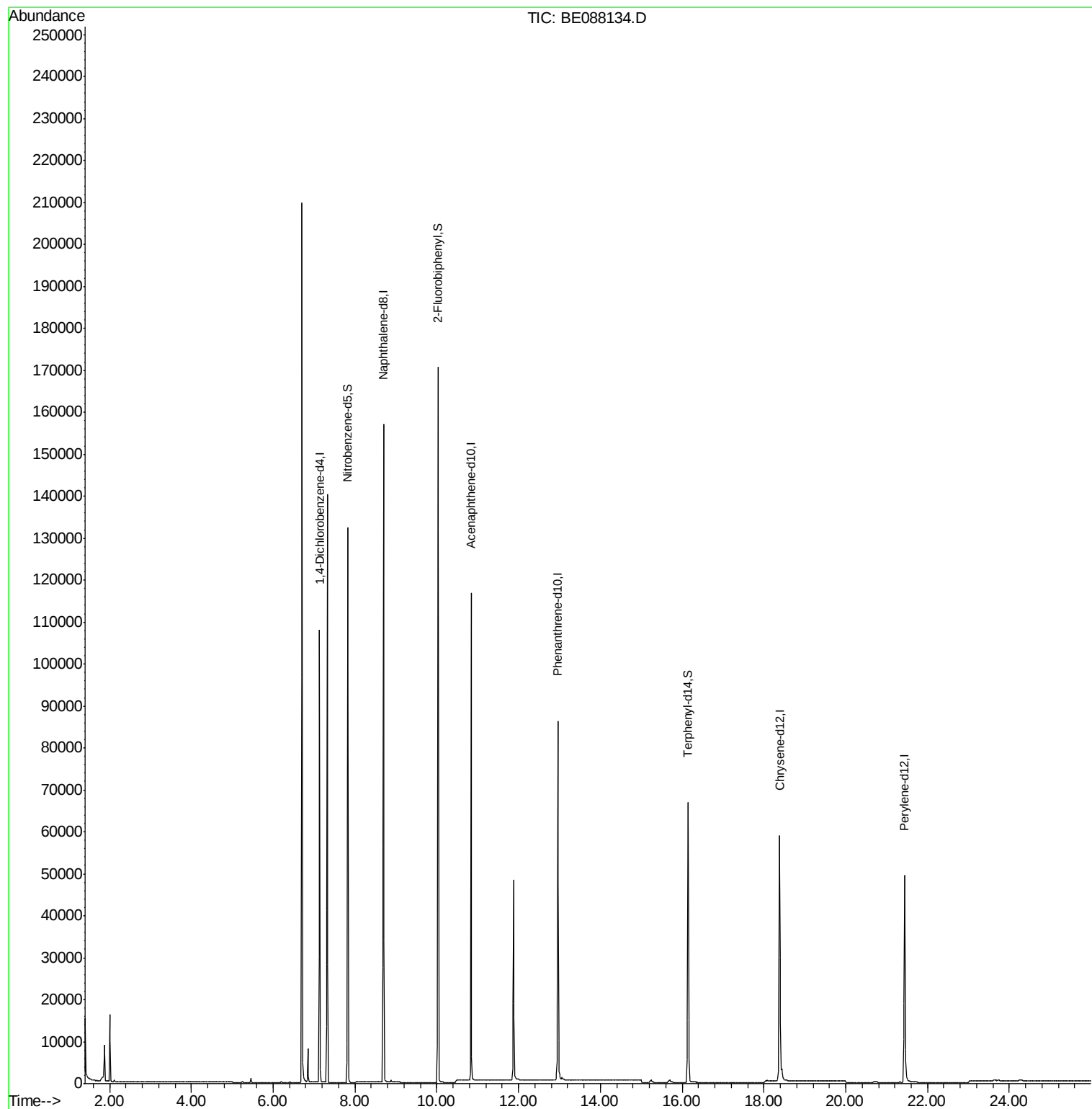
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

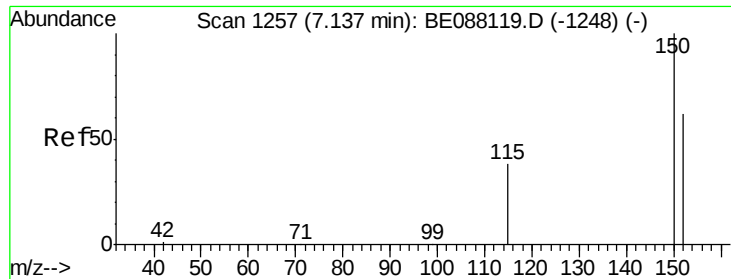
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

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BNA\_E

ClientSampleId :

PB79718BL

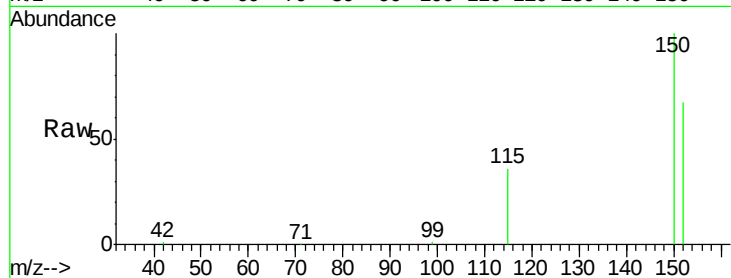
Tgt Ion:152 Resp: 34378

Ion Ratio Lower Upper

152 100

150 148.2 129.2 193.8

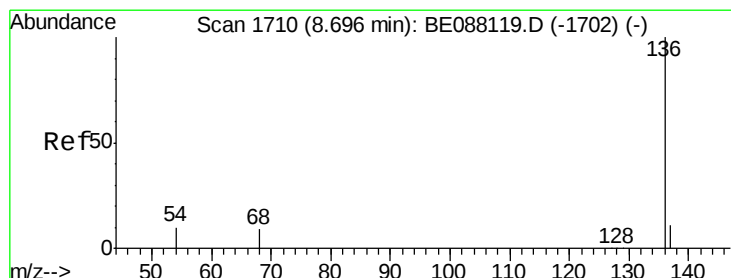
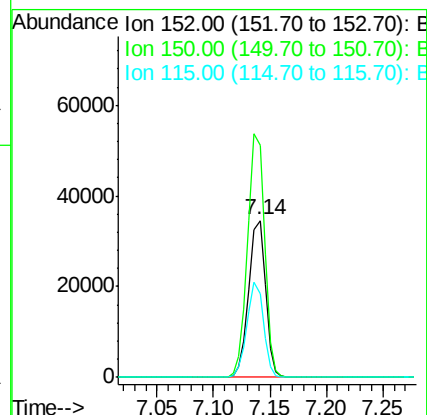
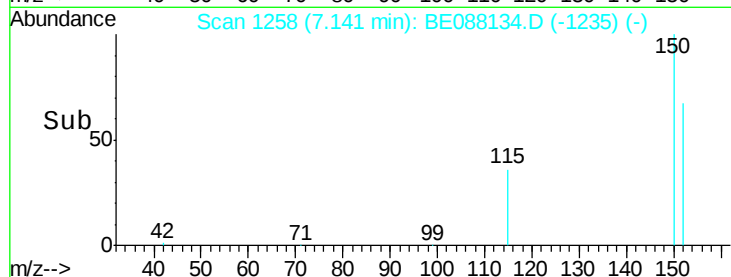
115 53.1 49.3 73.9



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



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

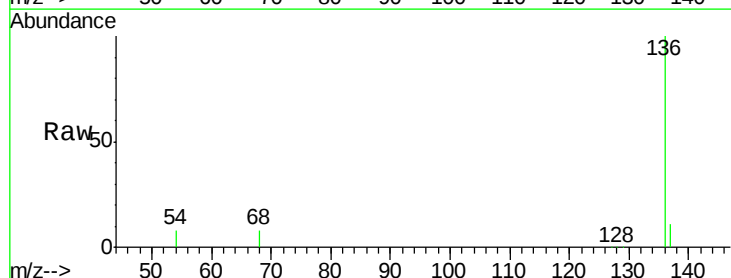
Tgt Ion:136 Resp: 129459

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

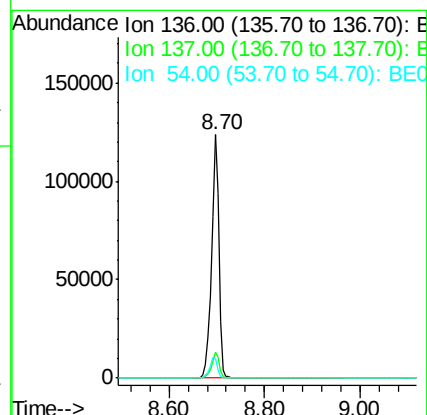
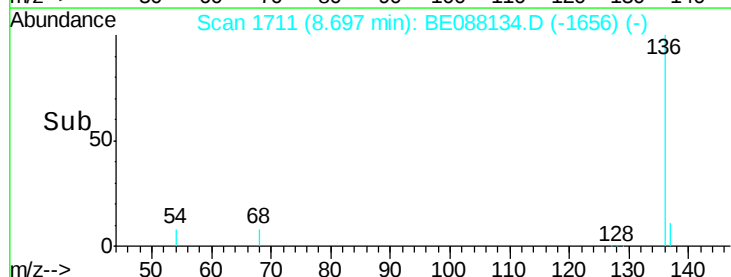
54 8.2 7.7 11.5

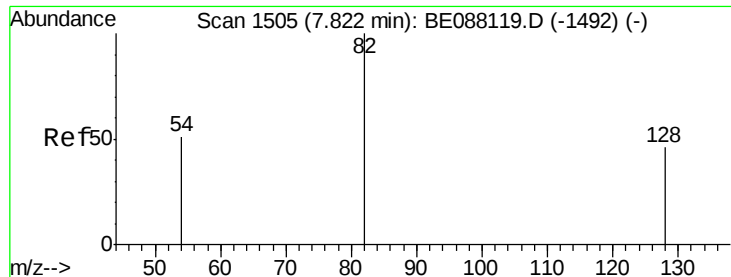


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 7.19 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

BNA\_E

ClientSampleId :

PB79718BL

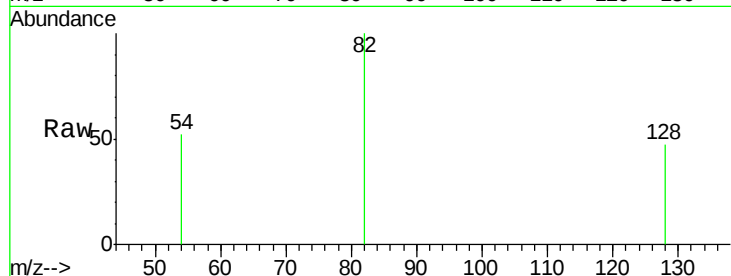
Tgt Ion: 82 Resp: 67078

Ion Ratio Lower Upper

82 100

128 47.1 37.1 55.7

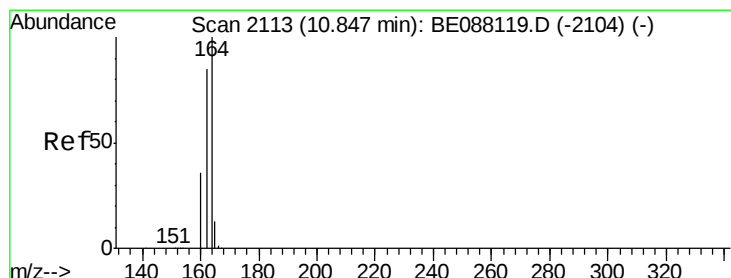
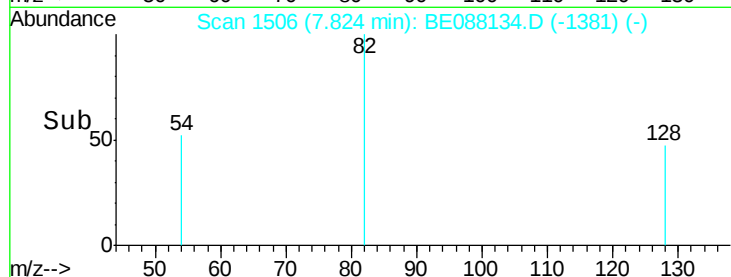
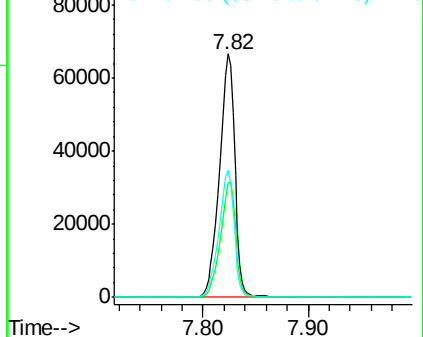
54 52.1 41.1 61.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

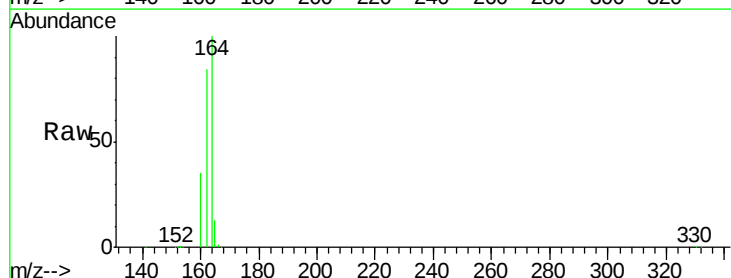
Tgt Ion: 164 Resp: 57619

Ion Ratio Lower Upper

164 100

162 83.5 68.3 102.5

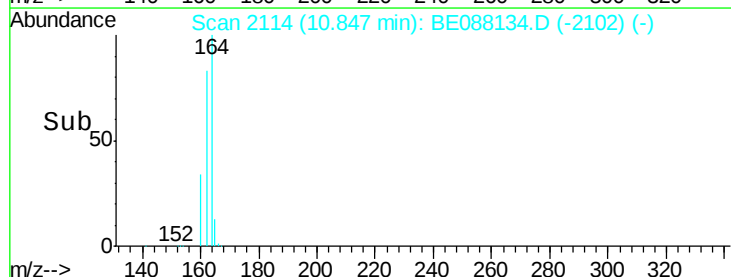
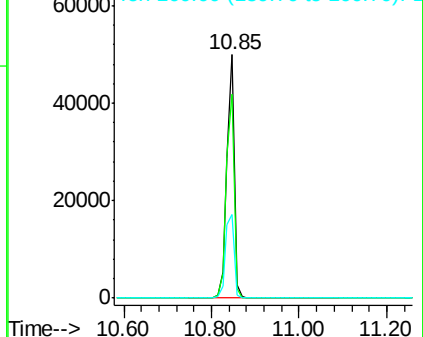
160 34.5 28.7 43.1

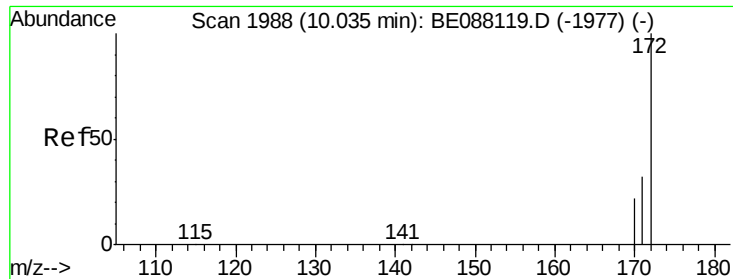


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#8

2-Fluorobiphenyl

Concen: 7.12 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

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PB79718BL

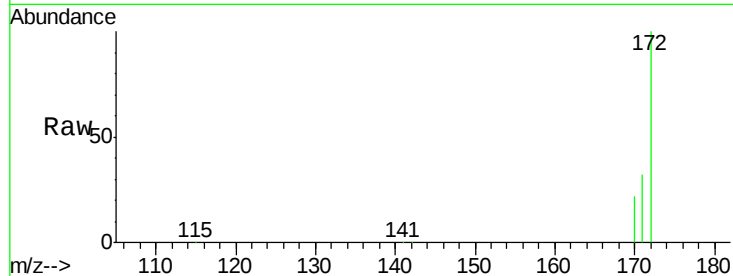
Tgt Ion:172 Resp: 113305

Ion Ratio Lower Upper

172 100

171 32.2 25.4 38.2

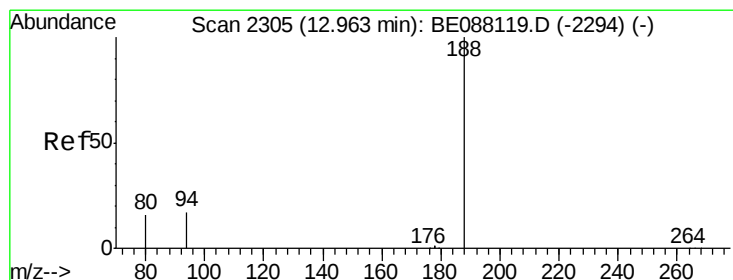
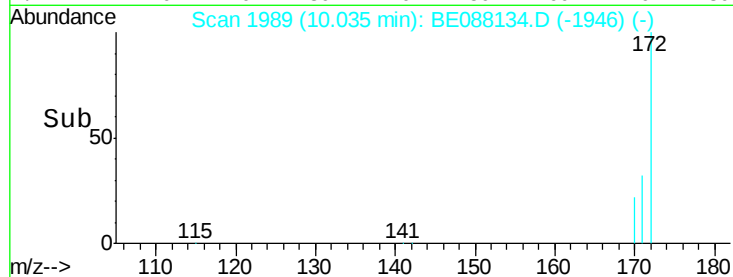
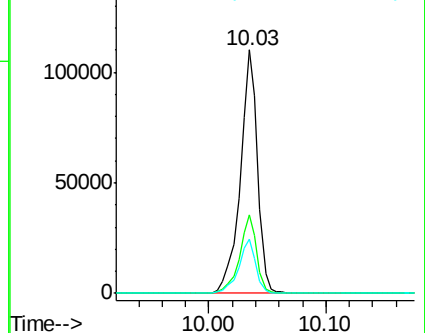
170 22.2 17.4 26.2



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



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.96 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

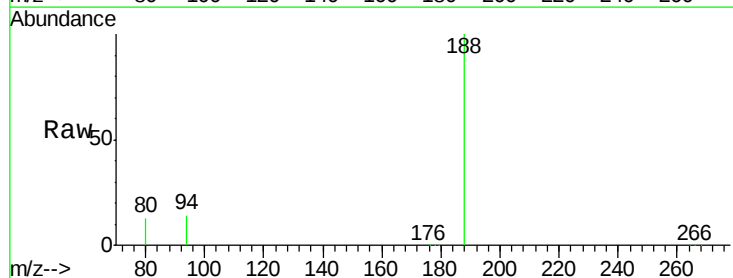
Tgt Ion:188 Resp: 104705

Ion Ratio Lower Upper

188 100

94 14.4 13.9 20.9

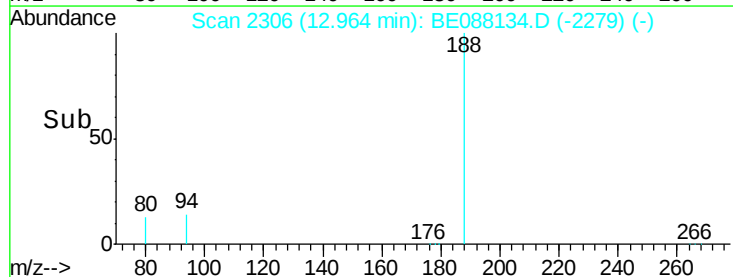
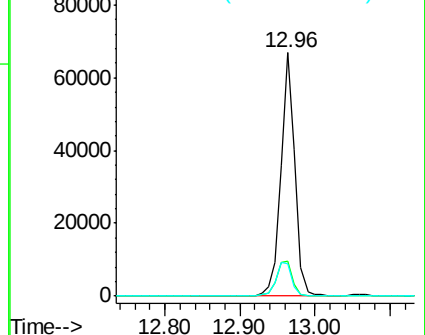
80 13.1 12.9 19.3

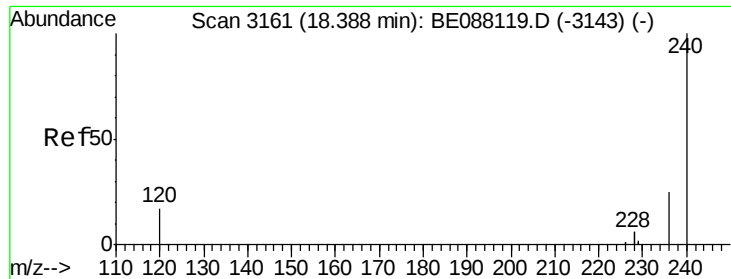


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

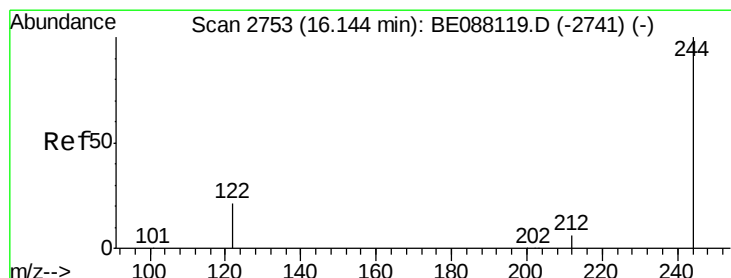
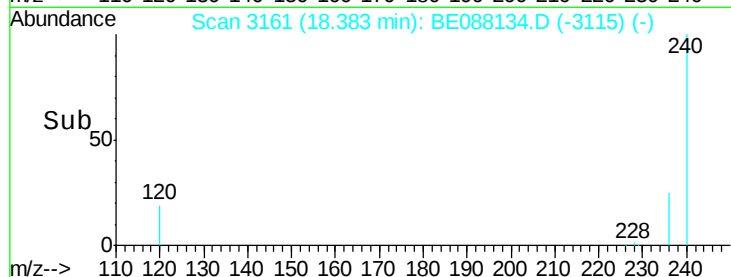
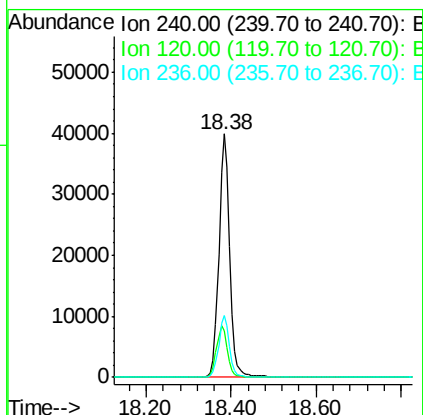
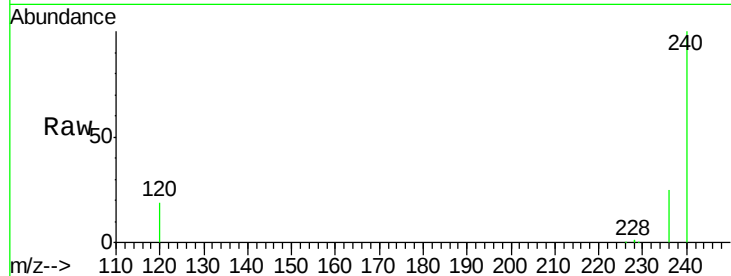




#16  
Chrysene-d12  
Concen: 5.00 ng  
RT: 18.38 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: BE088134.D  
Acq: 21 Oct 2014 10:12

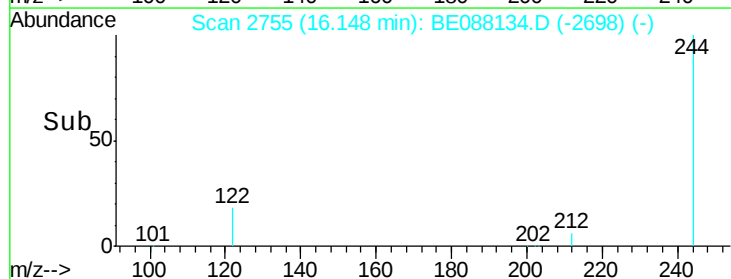
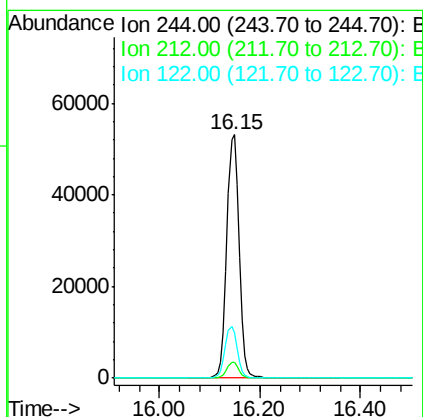
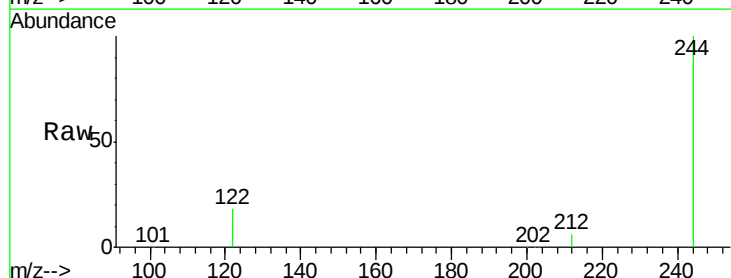
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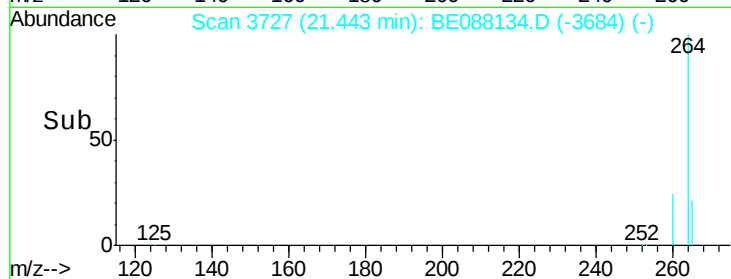
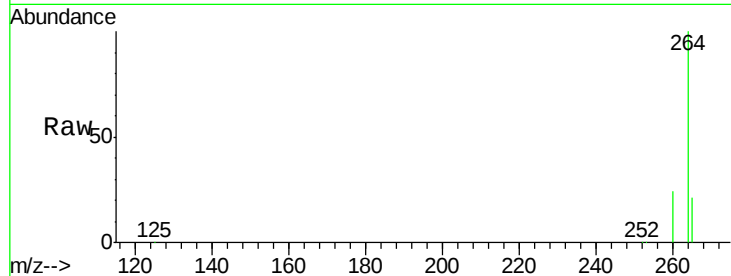
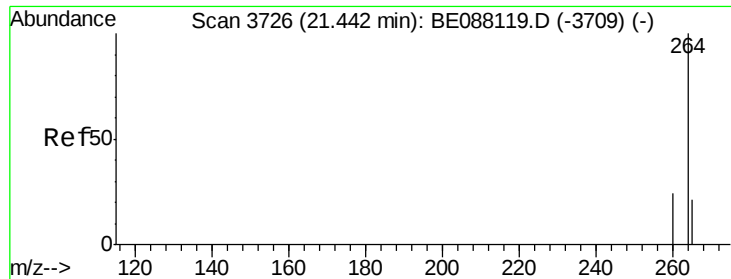
Tgt Ion:240 Resp: 70219  
Ion Ratio Lower Upper  
240 100  
120 19.1 13.9 20.9  
236 25.5 19.9 29.9



#18  
Terphenyl-d14  
Concen: 7.76 ng  
RT: 16.15 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: BE088134.D  
Acq: 21 Oct 2014 10:12

Tgt Ion:244 Resp: 87696  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.4 8.0  
122 18.4 17.5 26.3





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

BNA\_E

ClientSampleId :

PB79718BL

Tgt Ion: 264 Resp: 65610

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.4 17.2 25.8

