

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE103114\  
 Data File : BE088431.D  
 Acq On : 31 Oct 2014 19:48  
 Operator : TP/JJ  
 Sample : F4275-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 IDW-101314

Quant Time: Nov 02 03:07:07 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE103114.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 01 00:42:07 2014  
 Response via : Initial Calibration

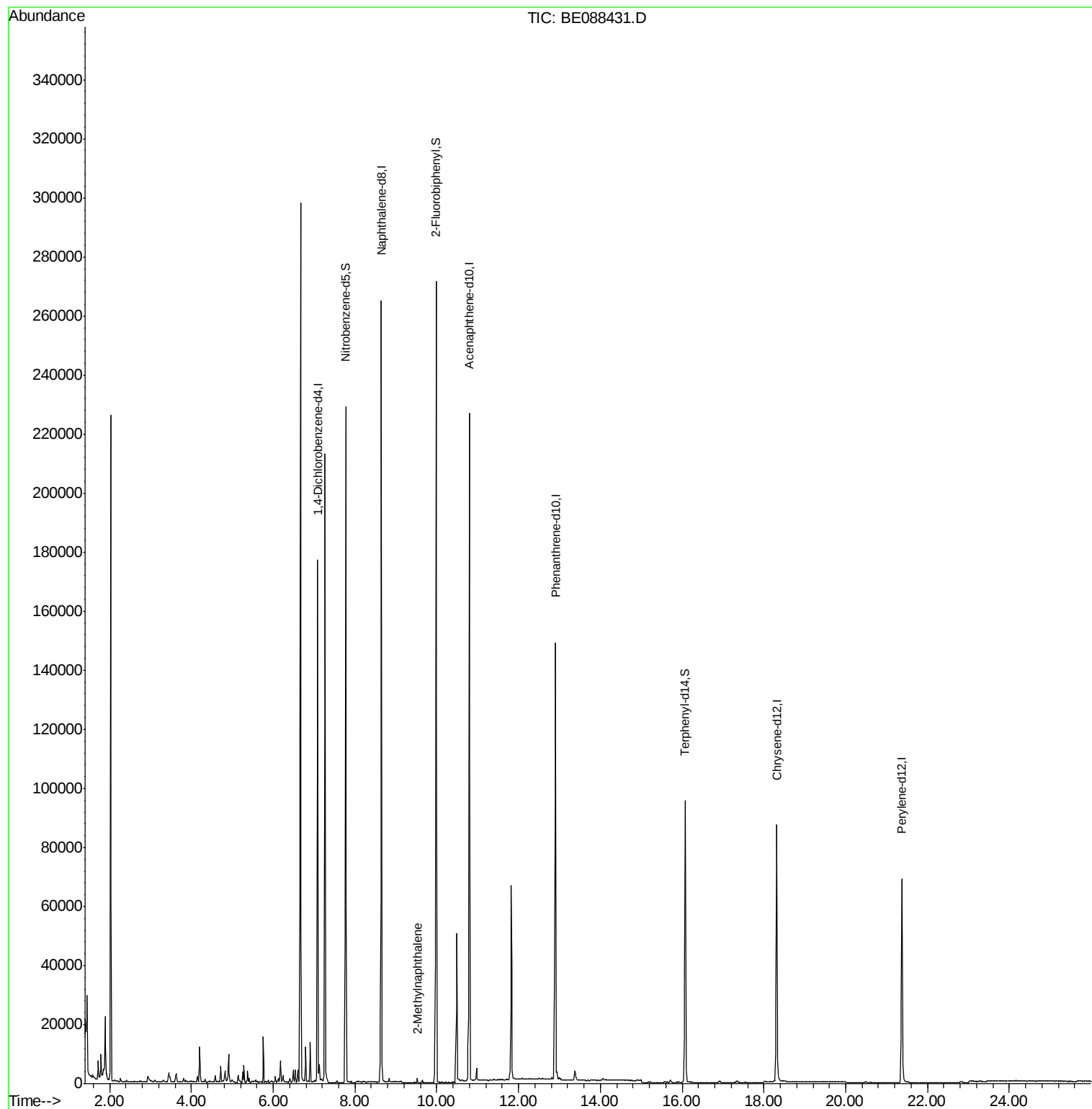
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.09  | 152  | 63297    | 5.00 | ng    | 0.00           |
| 3) Naphthalene-d8           | 8.65  | 136  | 244569   | 5.00 | ng    | 0.00           |
| 7) Acenaphthene-d10         | 10.79 | 164  | 111562   | 5.00 | ng    | 0.00           |
| 12) Phenanthrene-d10        | 12.90 | 188  | 205131   | 5.00 | ng    | 0.00           |
| 16) Chrysene-d12            | 18.31 | 240  | 104070   | 5.00 | ng    | 0.00           |
| 22) Perylene-d12            | 21.37 | 264  | 92330    | 5.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |      |       |                |
| 4) Nitrobenzene-d5          | 7.77  | 82   | 127345   | 7.10 | ng    | 0.00           |
| 8) 2-Fluorobiphenyl         | 9.98  | 172  | 205621   | 6.54 | ng    | 0.00           |
| 18) Terphenyl-d14           | 16.08 | 244  | 127802   | 6.68 | ng    | 0.00           |
| Target Compounds            |       |      |          |      |       |                |
| 6) 2-Methylnaphthalene      | 9.52  | 142  | 773      | 0.02 | ng    | Qvalue<br># 96 |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

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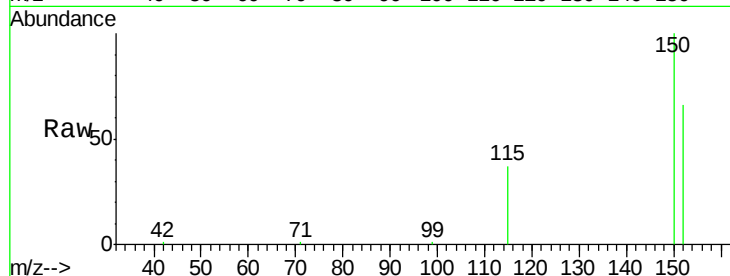
Tgt Ion:152 Resp: 63297

Ion Ratio Lower Upper

152 100

150 152.0 121.8 182.8

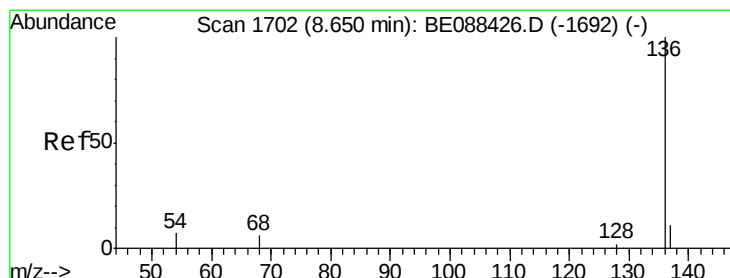
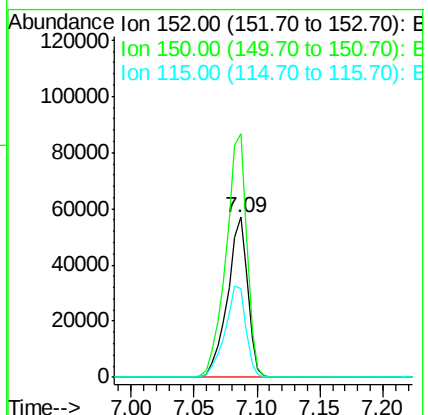
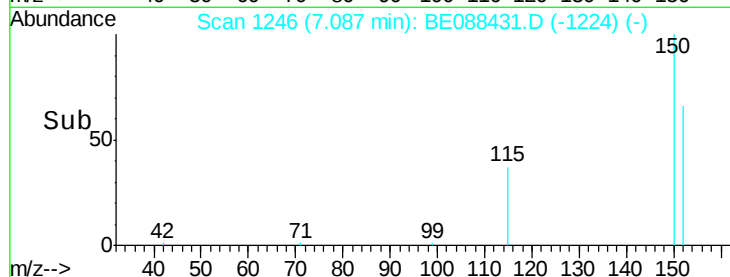
115 55.8 43.9 65.9



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: 8.65 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BE088431.D

Acq: 31 Oct 2014 19:48

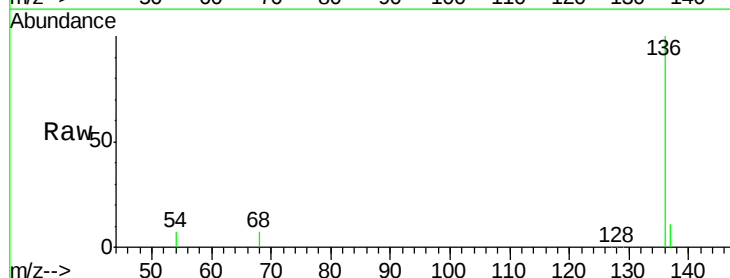
Tgt Ion:136 Resp: 244569

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

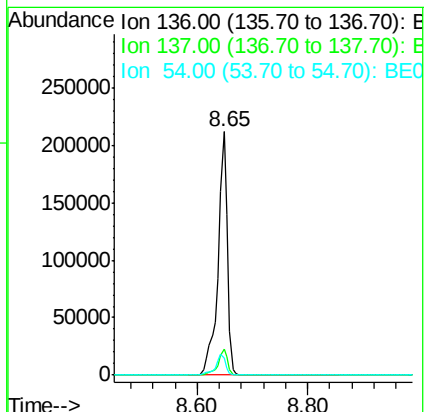
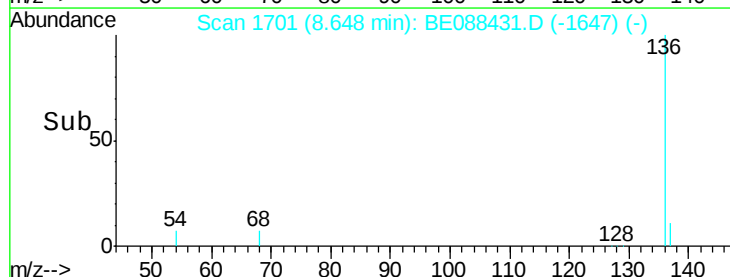
54 7.3 5.3 7.9

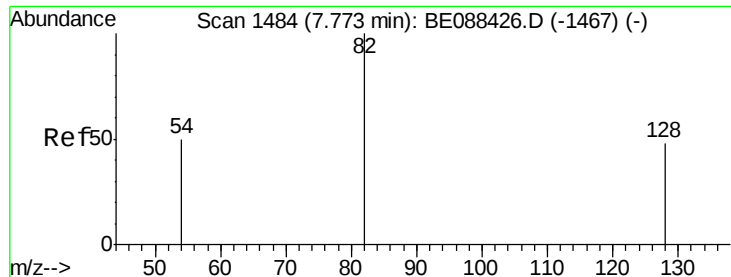


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 7.10 ng

RT: 7.77 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BE088431.D

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Instrument :

BNA\_E

ClientSampleId :

IDW-101314

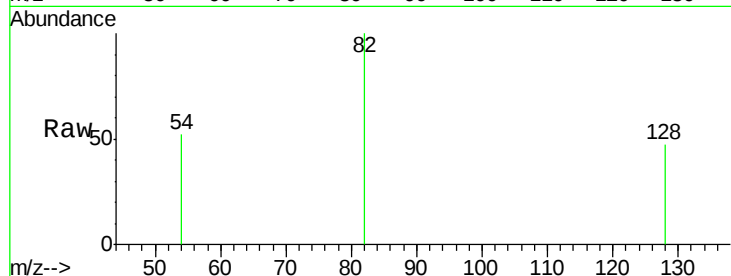
Tgt Ion: 82 Resp: 127345

Ion Ratio Lower Upper

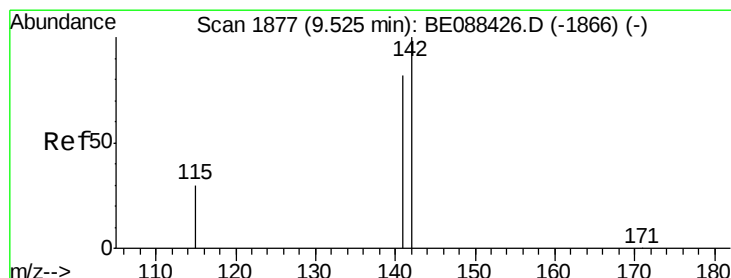
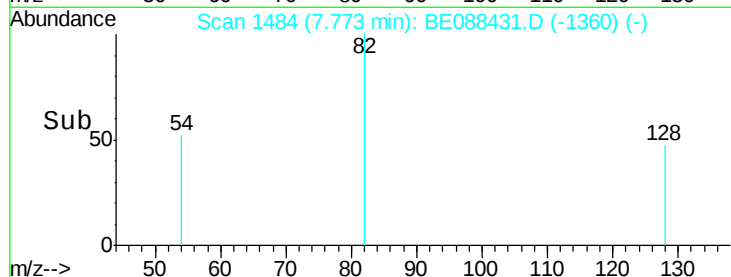
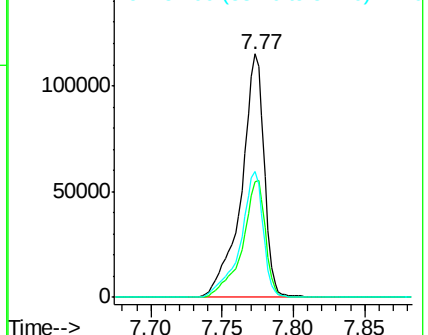
82 100

128 47.5 38.4 57.6

54 51.9 40.2 60.2



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



#6

2-Methylnaphthalene

Concen: 0.02 ng

RT: 9.52 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BE088431.D

Acq: 31 Oct 2014 19:48

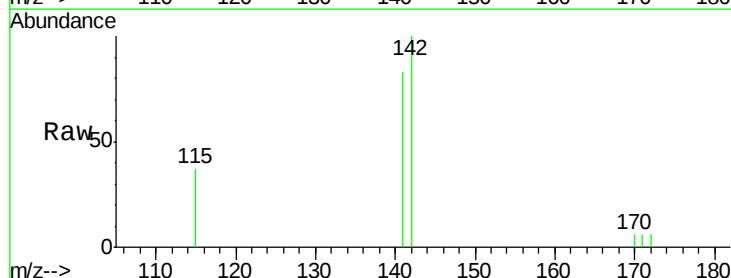
Tgt Ion: 142 Resp: 773

Ion Ratio Lower Upper

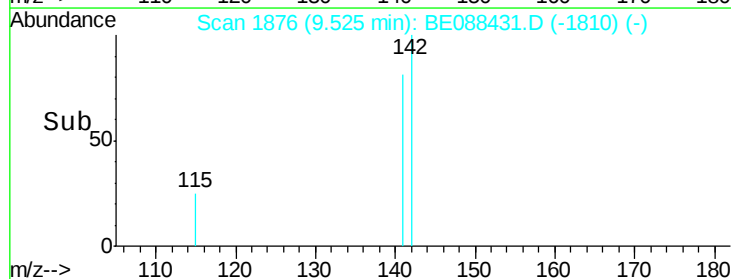
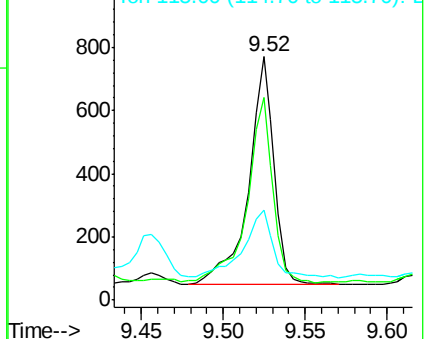
142 100

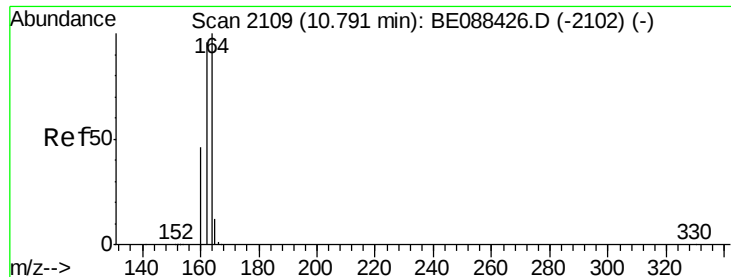
141 83.1 65.8 98.8

115 37.1 24.2 36.4#



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088431.D

Acq: 31 Oct 2014 19:48

Instrument :

BNA\_E

ClientSampleId :

IDW-101314

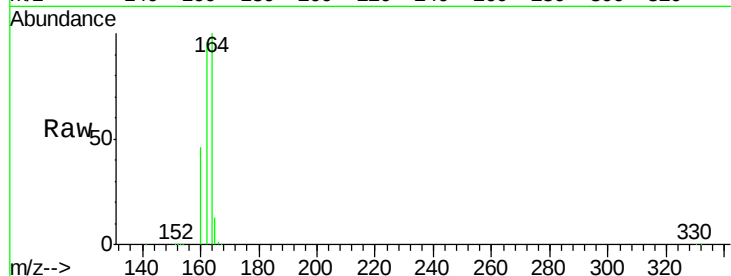
Tgt Ion:164 Resp: 111562

Ion Ratio Lower Upper

164 100

162 96.1 77.0 115.4

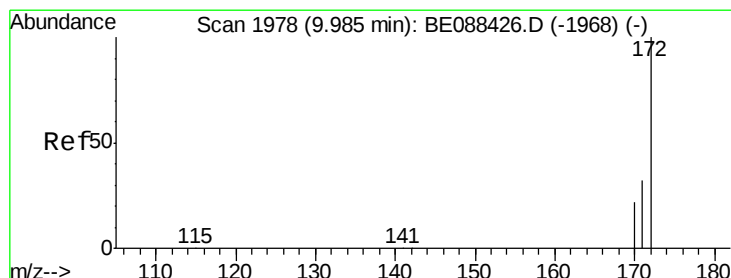
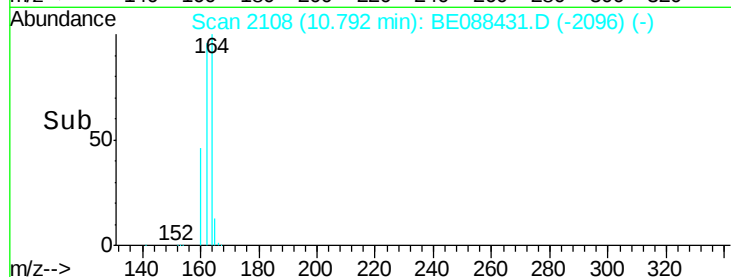
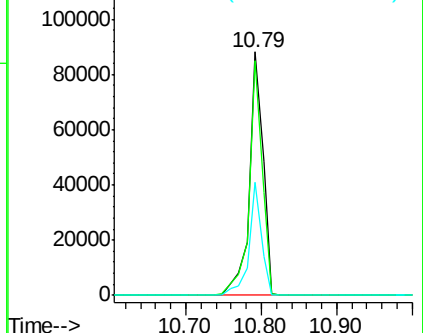
160 46.2 36.8 55.2



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: 6.54 ng

RT: 9.98 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BE088431.D

Acq: 31 Oct 2014 19:48

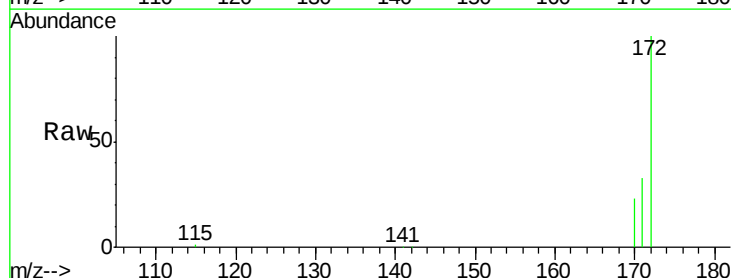
Tgt Ion:172 Resp: 205621

Ion Ratio Lower Upper

172 100

171 33.1 26.0 39.0

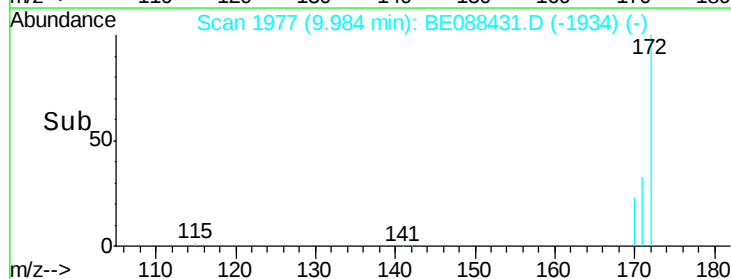
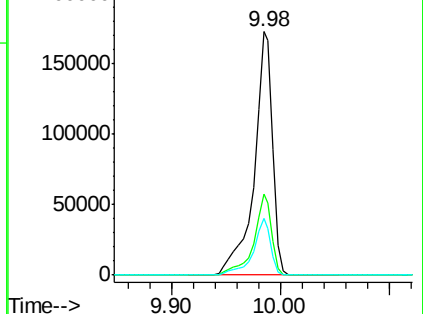
170 23.2 17.6 26.4

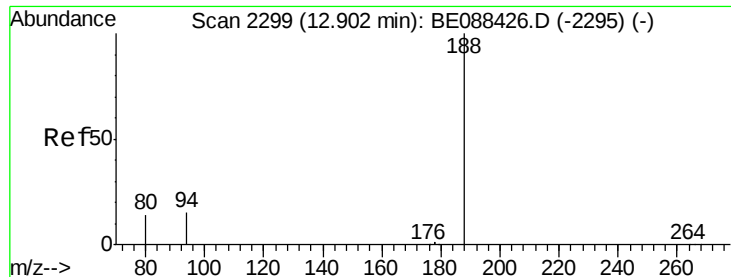


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

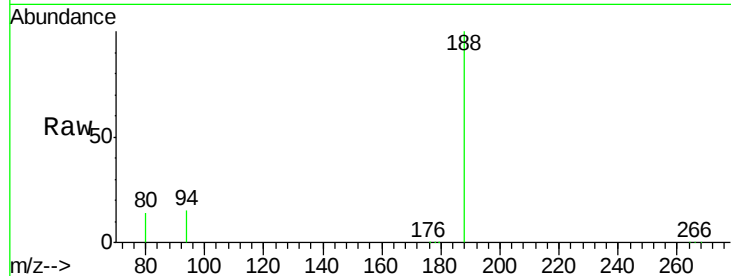




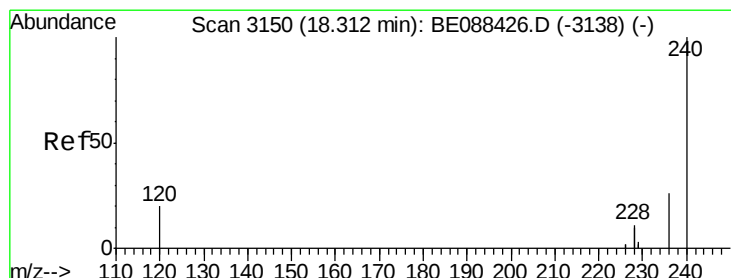
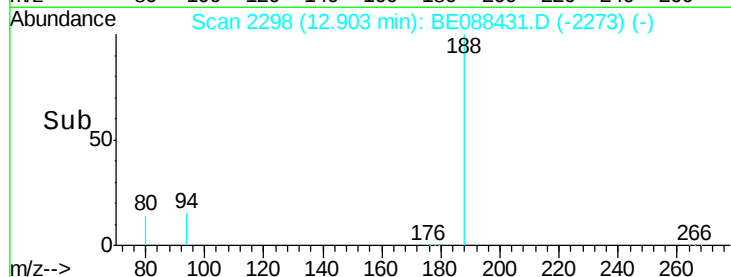
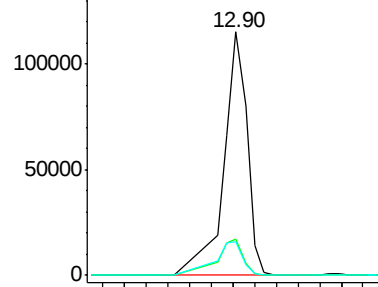
#12  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 12.90 min Scan# 2298  
Delta R.T. 0.00 min  
Lab File: BE088431.D  
Acq: 31 Oct 2014 19:48

Instrument :  
BNA\_E  
ClientSampleId :  
IDW-101314

Tgt Ion:188 Resp: 205131  
Ion Ratio Lower Upper  
188 100  
94 14.8 11.8 17.8  
80 13.7 10.9 16.3

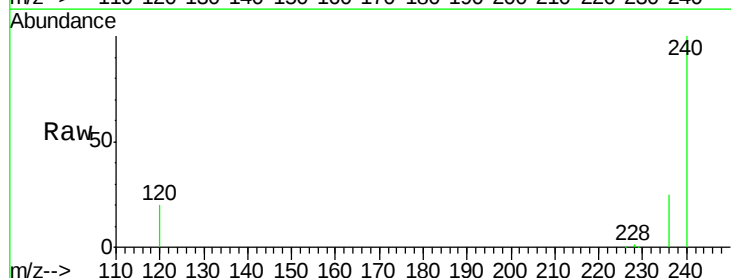


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

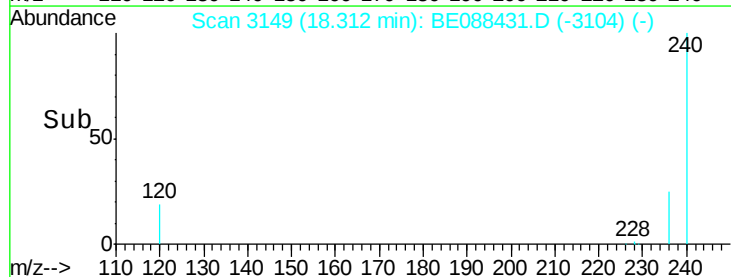
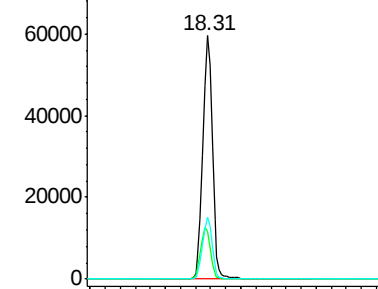


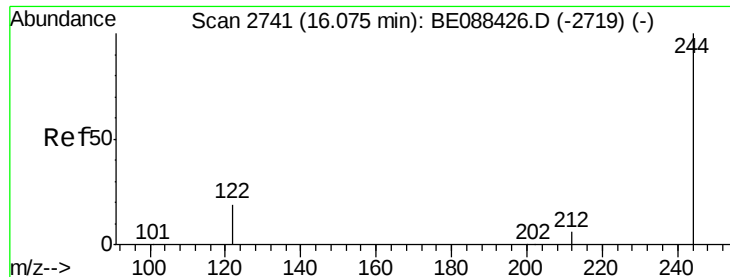
#16  
Chrysene-d12  
Concen: 5.00 ng  
RT: 18.31 min Scan# 3149  
Delta R.T. -0.00 min  
Lab File: BE088431.D  
Acq: 31 Oct 2014 19:48

Tgt Ion:240 Resp: 104070  
Ion Ratio Lower Upper  
240 100  
120 19.6 16.4 24.6  
236 25.5 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





#18

Terphenyl-d14

Concen: 6.68 ng

RT: 16.08 min Scan# 2740

Delta R.T. 0.00 min

Lab File: BE088431.D

Acq: 31 Oct 2014 19:48

Instrument :

BNA\_E

ClientSampleId :

IDW-101314

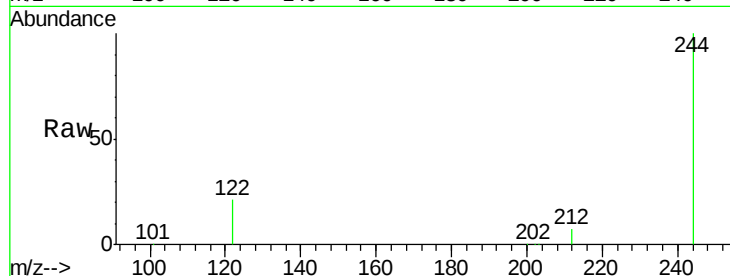
Tgt Ion:244 Resp: 127802

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

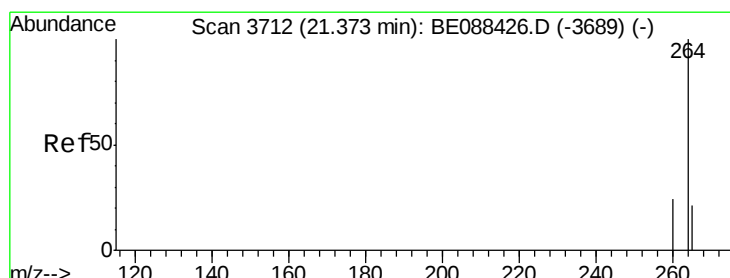
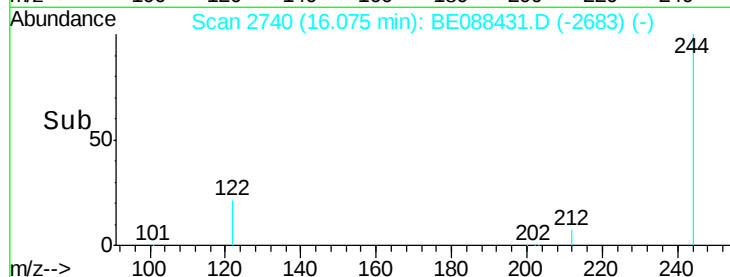
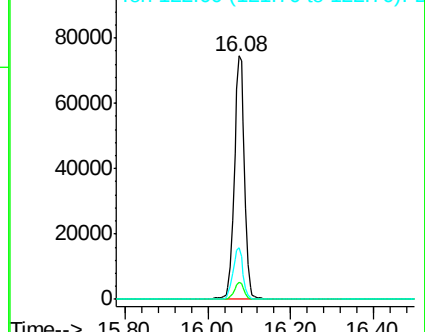
122 21.0 15.6 23.4



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3711

Delta R.T. 0.00 min

Lab File: BE088431.D

Acq: 31 Oct 2014 19:48

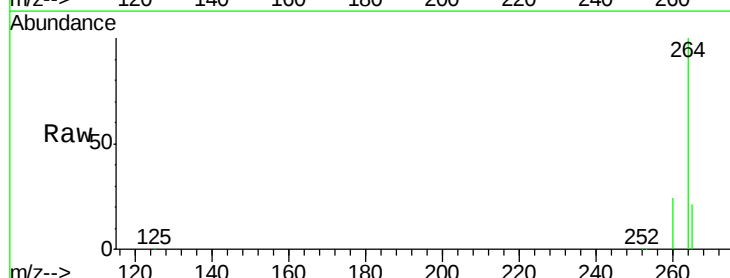
Tgt Ion:264 Resp: 92330

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.5 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

