

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\  
 Data File : BE091870.D  
 Acq On : 25 May 2016 22:19  
 Operator : UM/SJ  
 Sample : PB90774BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB90774BL

Quant Time: May 26 01:57:30 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 19:42:30 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.78  | 152  | 29133    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8           | 10.55 | 136  | 143810   | 5.00 | ng    | 0.00     |
| 15) Acenaphthene-d10        | 14.40 | 164  | 93051    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10        | 17.14 | 188  | 265547   | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12            | 21.29 | 240  | 277678   | 5.00 | ng    | 0.00     |
| 40) Perylene-d12            | 23.72 | 264  | 251238   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.38  | 112  | 53804    | 6.46 | ng    | -0.02    |
| 5) Phenol-d6                | 6.95  | 99   | 81271    | 7.44 | ng    | 0.00     |
| 9) Nitrobenzene-d5          | 8.94  | 82   | 38009    | 3.25 | ng    | 0.00     |
| 16) 2,4,6-Tribromophenol    | 15.89 | 330  | 28183    | 6.79 | ng    | 0.00     |
| 17) 2-Fluorobiphenyl        | 13.01 | 172  | 101233   | 3.66 | ng    | -0.02    |
| 34) Terphenyl-d14           | 19.74 | 244  | 180996   | 4.32 | ng    | 0.00     |

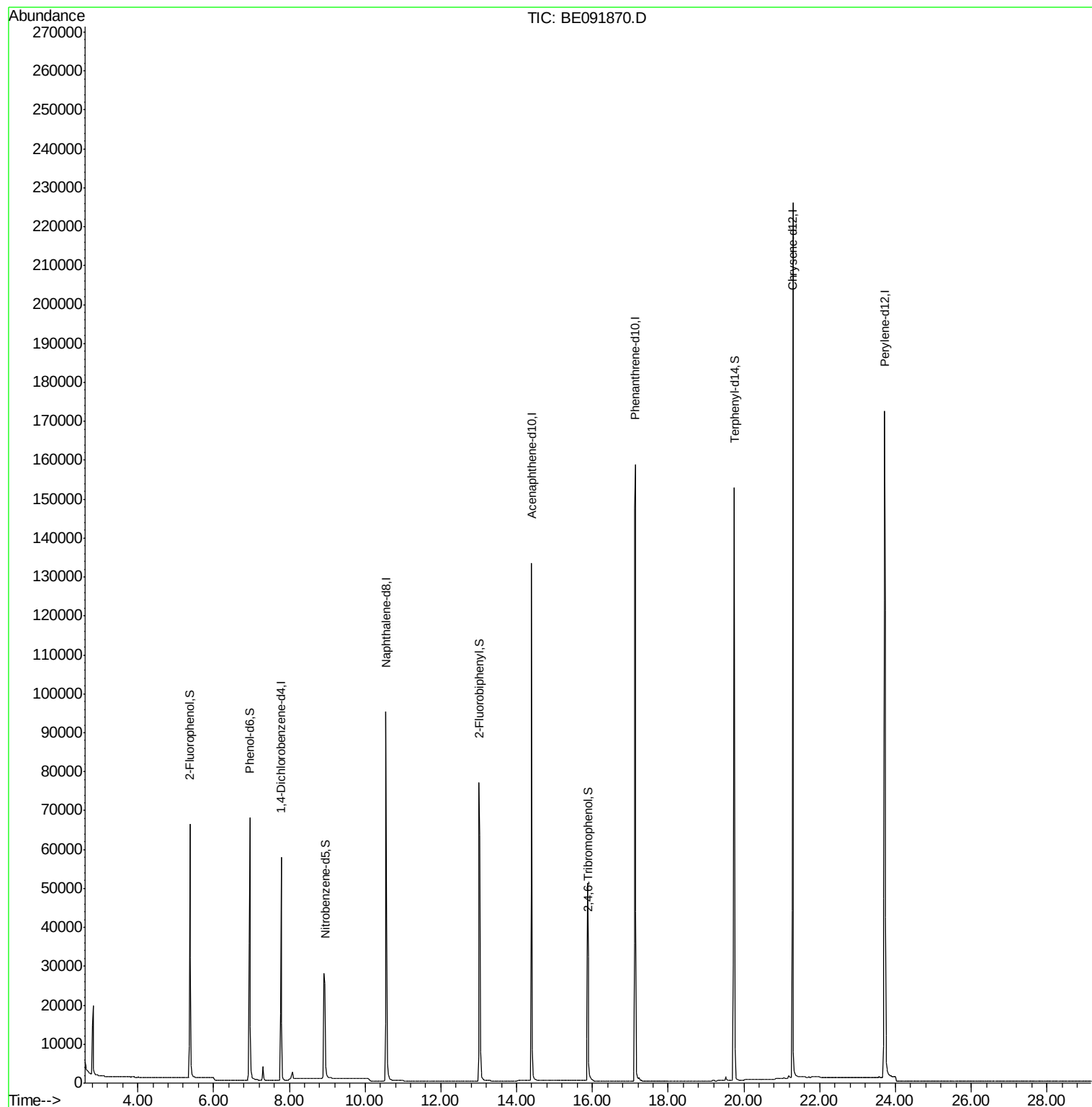
Target Compounds Qvalue

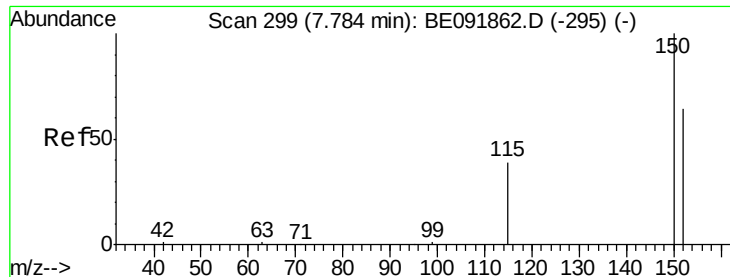
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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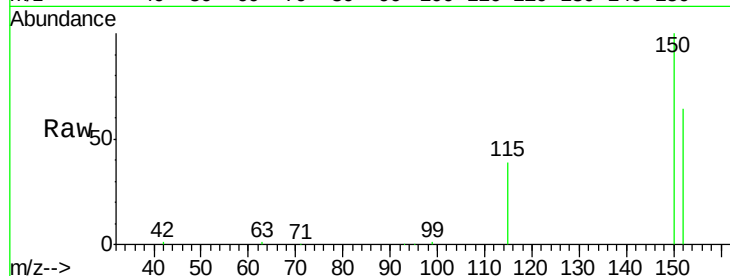


#1

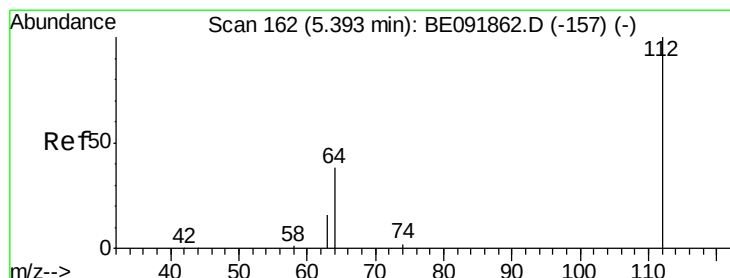
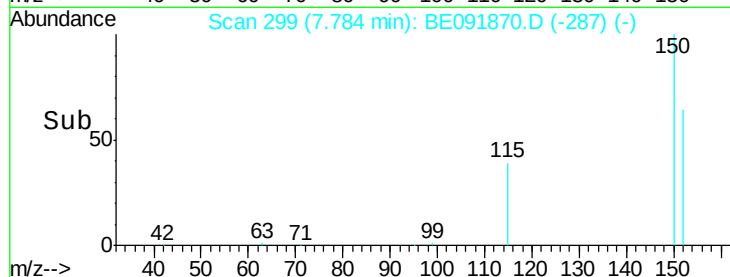
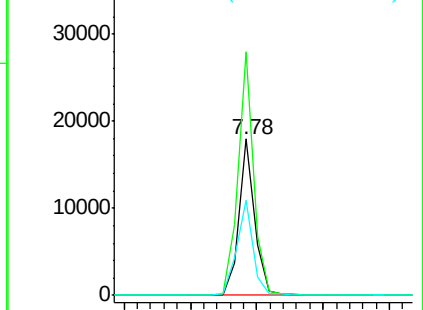
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.78 min Scan# 299  
Delta R.T. 0.00 min  
Lab File: BE091870.D  
Acq: 25 May 2016 22:19

Instrument :  
BNA\_E  
ClientSampleId :  
PB90774BL

Tot Ion:152 Resp: 29133  
Ion Ratio Lower Upper  
152 100  
150 155.6 123.9 185.9  
115 60.7 48.3 72.5



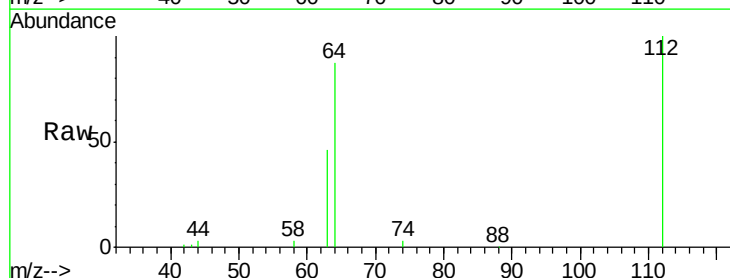
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



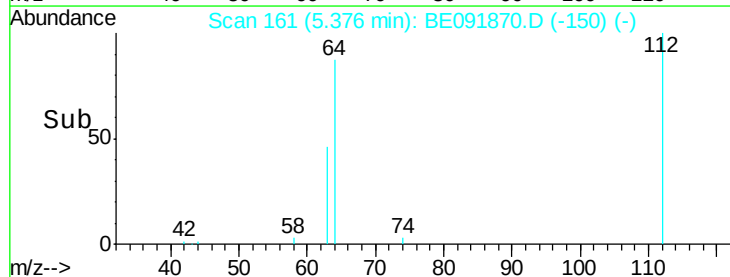
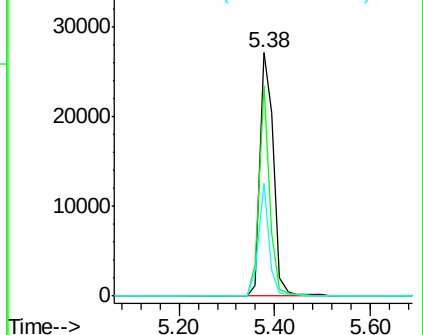
#4

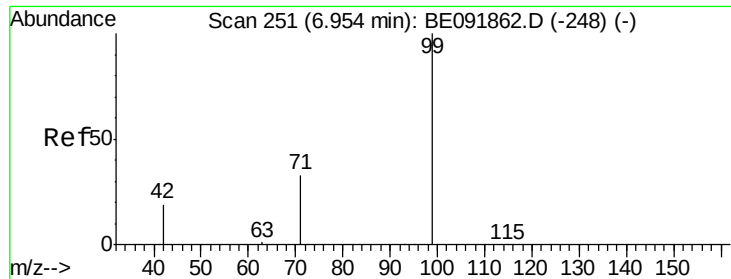
2-Fluorophenol  
Concen: 6.46 ng  
RT: 5.38 min Scan# 161  
Delta R.T. -0.02 min  
Lab File: BE091870.D  
Acq: 25 May 2016 22:19

Tgt Ion:112 Resp: 53804  
Ion Ratio Lower Upper  
112 100  
64 67.8 53.7 80.5  
63 35.9 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.44 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA\_E

ClientSampleId :

PB90774BL

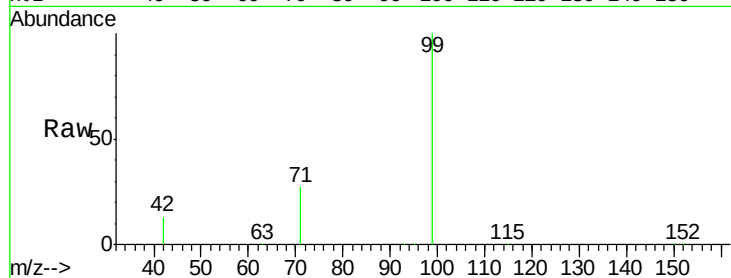
Tot Ion: 99 Resp: 81271

Ion Ratio Lower Upper

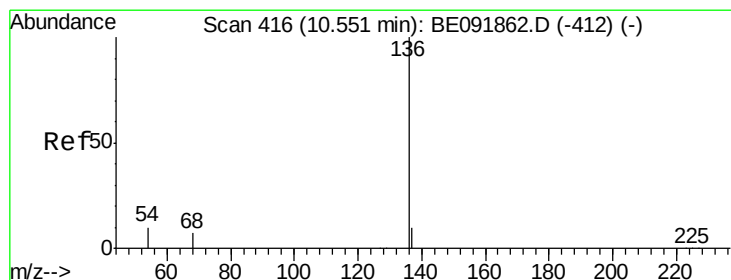
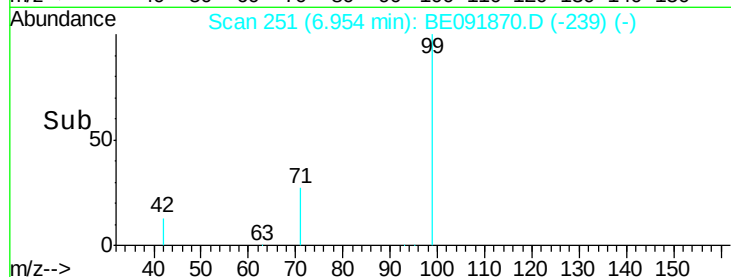
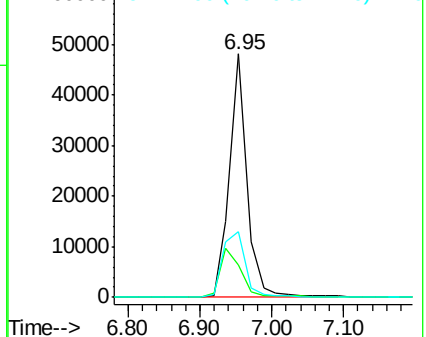
99 100

42 23.0 19.6 29.4

71 34.9 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Tgt Ion: 136 Resp: 143810

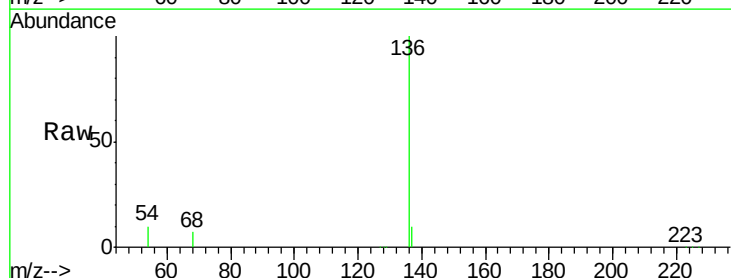
Ion Ratio Lower Upper

136 100

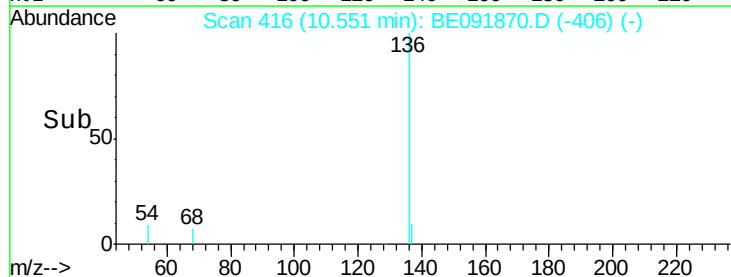
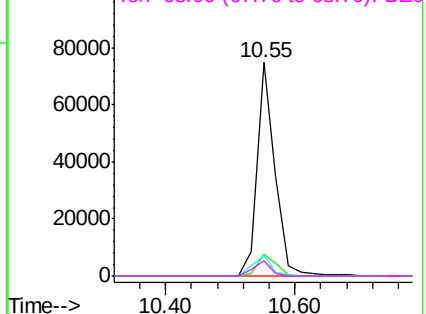
137 10.4 8.3 12.5

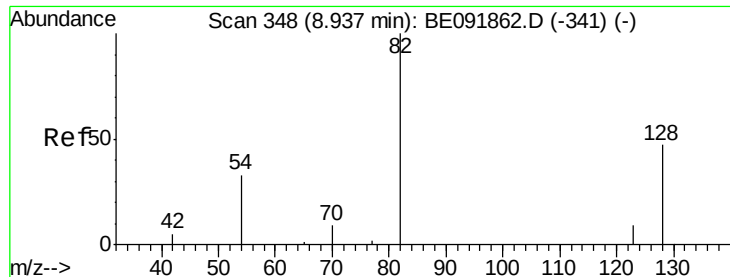
54 9.6 8.2 12.4

68 7.1 5.9 8.9



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  
Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 3.25 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA\_E

ClientSampleId :

PB90774BL

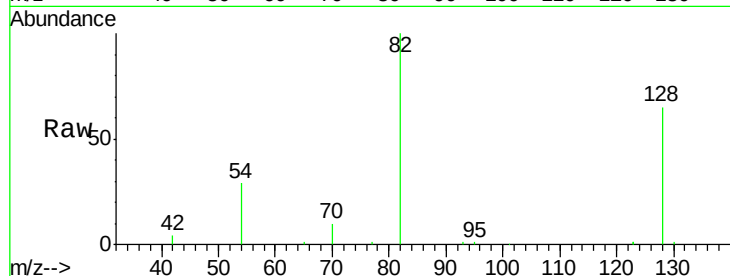
Tot Ion: 82 Resp: 38009

Ion Ratio Lower Upper

82 100

128 64.7 39.5 59.3#

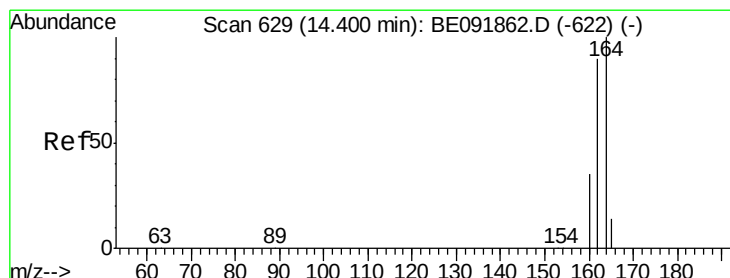
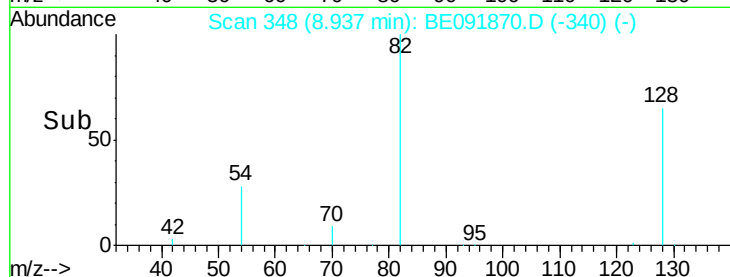
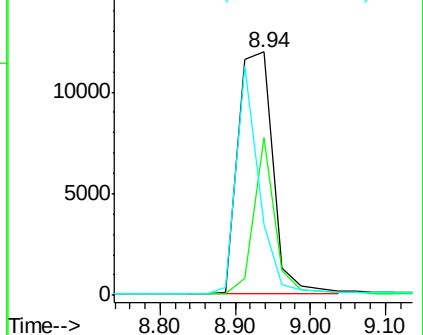
54 28.9 30.3 45.5#



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



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

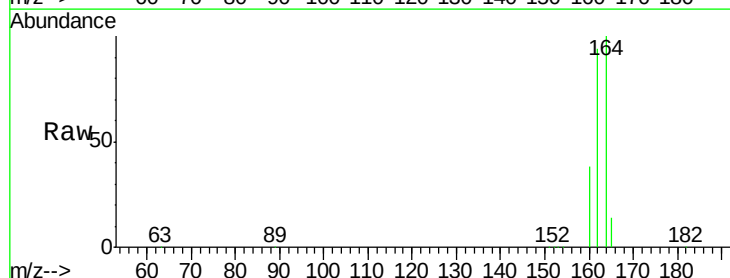
Tgt Ion: 164 Resp: 93051

Ion Ratio Lower Upper

164 100

162 93.7 71.8 107.8

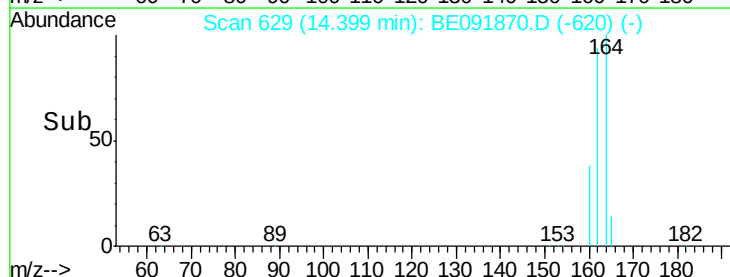
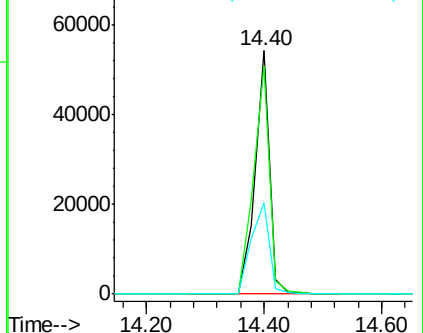
160 37.6 28.0 42.0

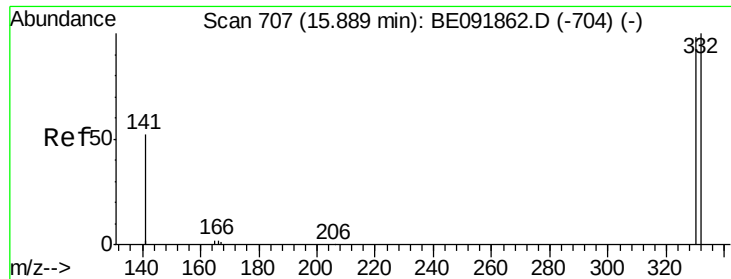


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

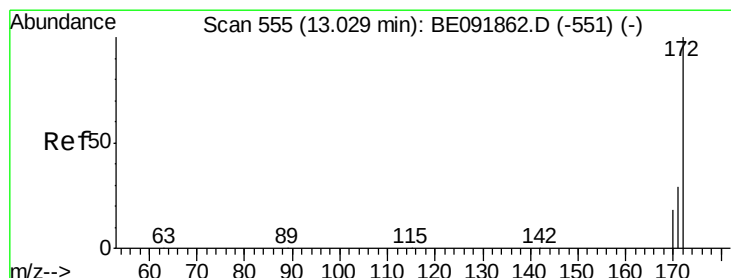
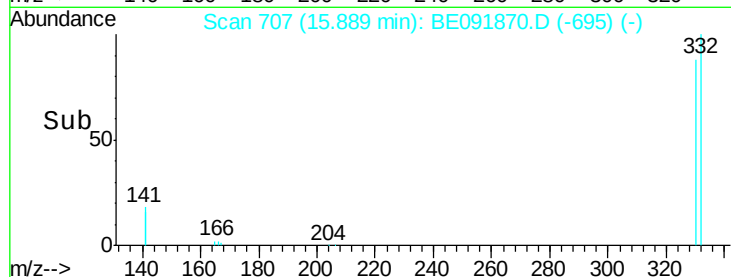
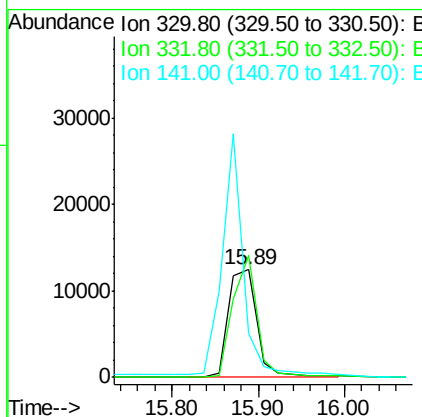
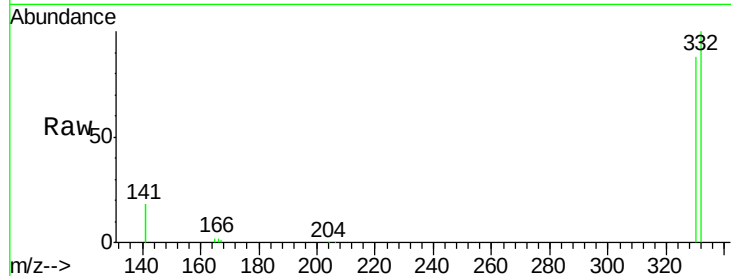




#16  
 2,4,6-Tribromophenol  
 Concen: 6.79 ng  
 RT: 15.89 min Scan# 707  
 Delta R.T. 0.00 min  
 Lab File: BE091870.D  
 Acq: 25 May 2016 22:19

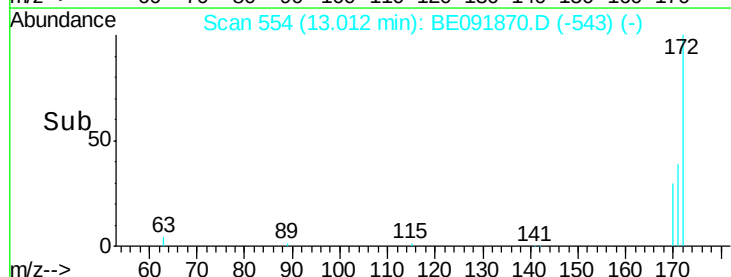
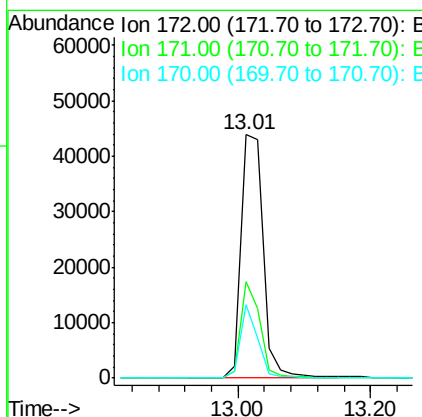
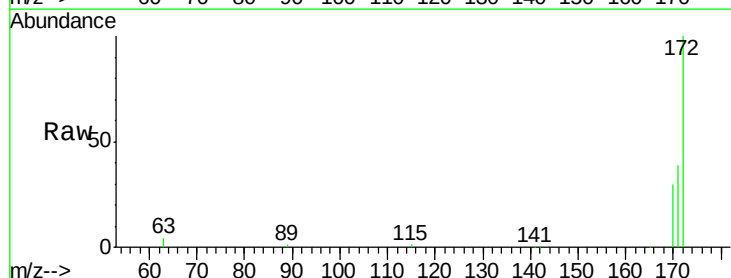
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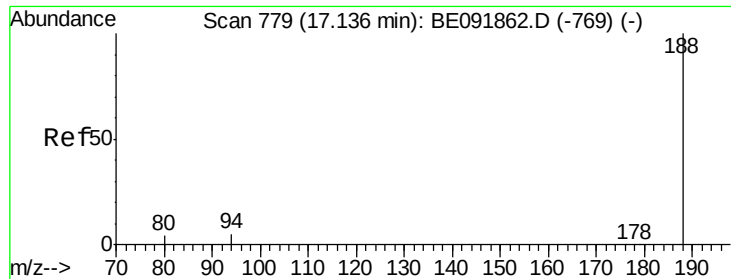
Tot Ion:330 Resp: 28183  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 165.5 138.4 207.6



#17  
 2-Fluorobiphenyl  
 Concen: 3.66 ng  
 RT: 13.01 min Scan# 554  
 Delta R.T. -0.02 min  
 Lab File: BE091870.D  
 Acq: 25 May 2016 22:19

Tgt Ion:172 Resp: 101233  
 Ion Ratio Lower Upper  
 172 100  
 171 39.4 24.3 36.5#  
 170 30.1 14.9 22.3#

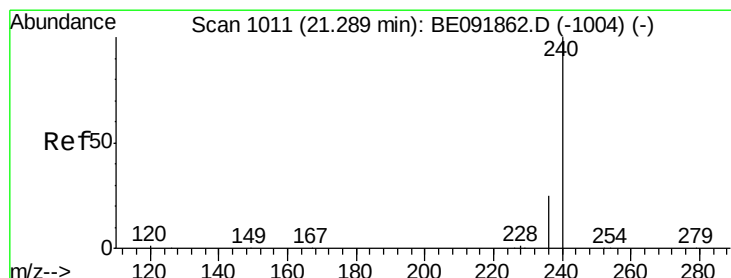
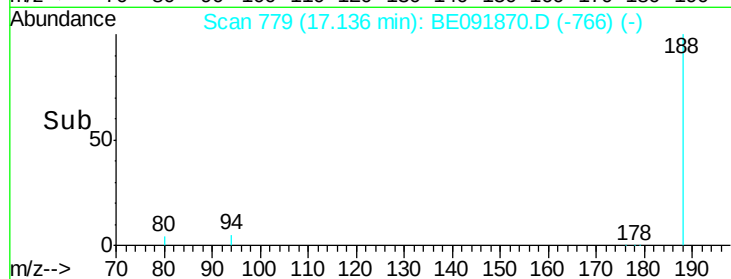
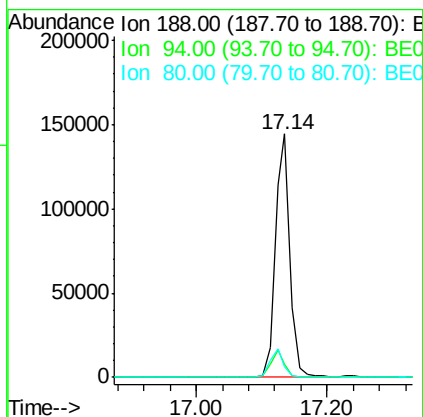
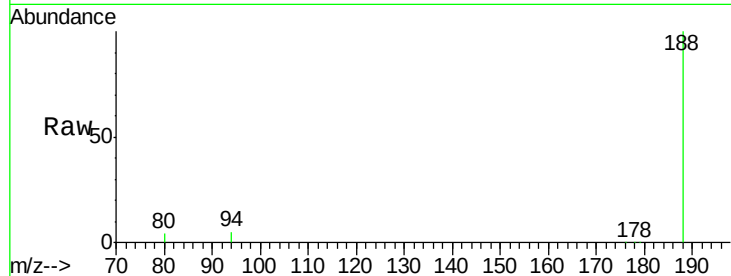




#24  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.14 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BE091870.D  
Acq: 25 May 2016 22:19

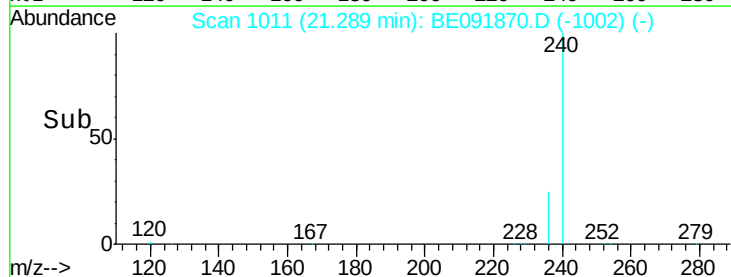
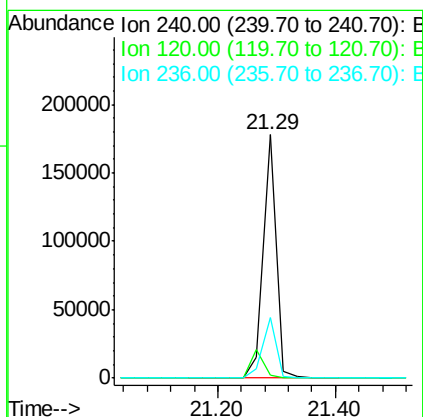
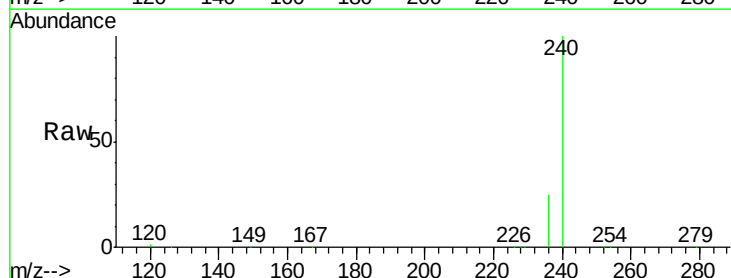
Instrument :  
BNA\_E  
ClientSampleId :  
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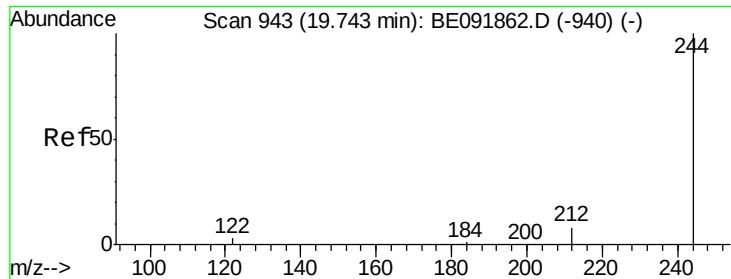
Tot Ion:188 Resp: 265547  
Ion Ratio Lower Upper  
188 100  
94 5.3 4.1 6.1  
80 4.5 3.4 5.2



#31  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.29 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BE091870.D  
Acq: 25 May 2016 22:19

Tgt Ion:240 Resp: 277678  
Ion Ratio Lower Upper  
240 100  
120 1.4 1.2 1.8  
236 24.7 19.8 29.8

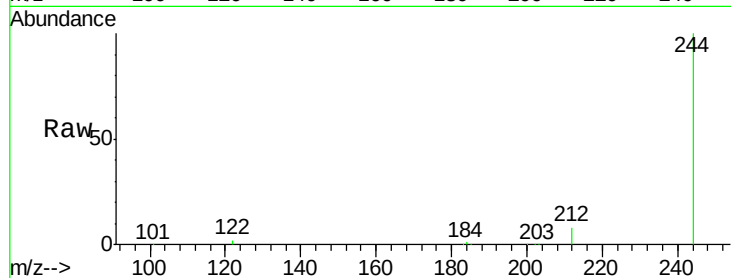




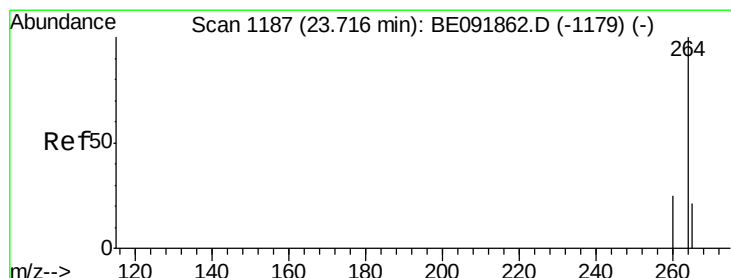
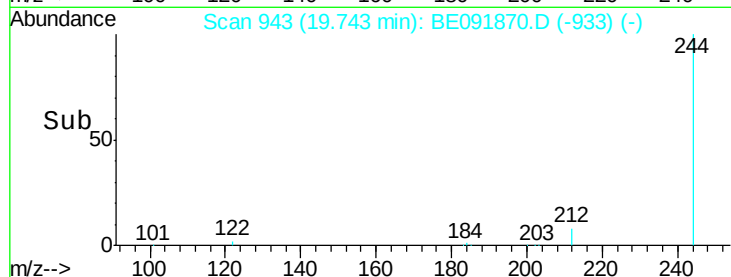
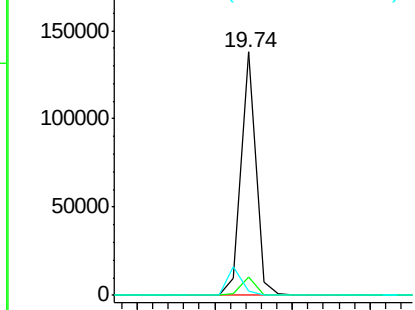
#34  
 Terphenyl-d14  
 Concen: 4.32 ng  
 RT: 19.74 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BE091870.D  
 Acq: 25 May 2016 22:19

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB90774BL

Tot Ion:244 Resp: 180996  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.5 9.7  
 122 1.8 2.9 4.3#

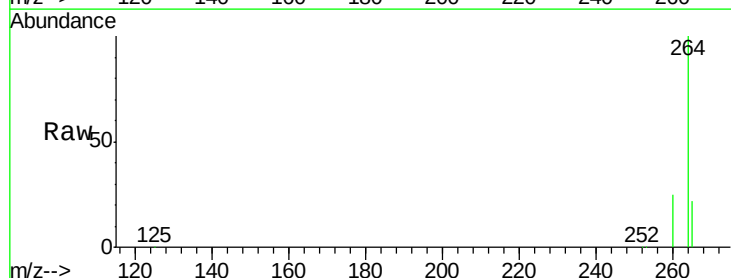


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#40  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.72 min Scan# 1187  
 Delta R.T. 0.00 min  
 Lab File: BE091870.D  
 Acq: 25 May 2016 22:19

Tgt Ion:264 Resp: 251238  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 20.3 30.5  
 265 22.0 17.6 26.4



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

