

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE070815\  
 Data File : BE090065.D  
 Acq On : 8 Jul 2015 19:06  
 Operator : TP/IZ  
 Sample : G2824-14  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 X1SS0820624-150626

Quant Time: Jul 09 01:34:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BE062915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 30 07:01:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 13830    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.37 | 136  | 55068    | 5.00 | ng    | -0.01    |
| 12) Acenaphthene-d10        | 14.22 | 164  | 30650    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10        | 16.96 | 188  | 73139    | 5.00 | ng    | -0.02    |
| 25) Chrysene-d12            | 21.12 | 240  | 83251    | 5.00 | ng    | -0.01    |
| 32) Perylene-d12            | 23.43 | 264  | 72623    | 5.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.24  | 112  | 24504    | 7.71 | ng    | 0.00     |
| 5) Phenol-d6                | 6.80  | 99   | 37210    | 8.37 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.75  | 82   | 23143    | 5.29 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.73 | 330  | 6818     | 7.59 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.85 | 172  | 52560    | 5.71 | ng    | -0.01    |
| 27) Terphenyl-d14           | 19.58 | 244  | 83964    | 6.05 | ng    | -0.01    |

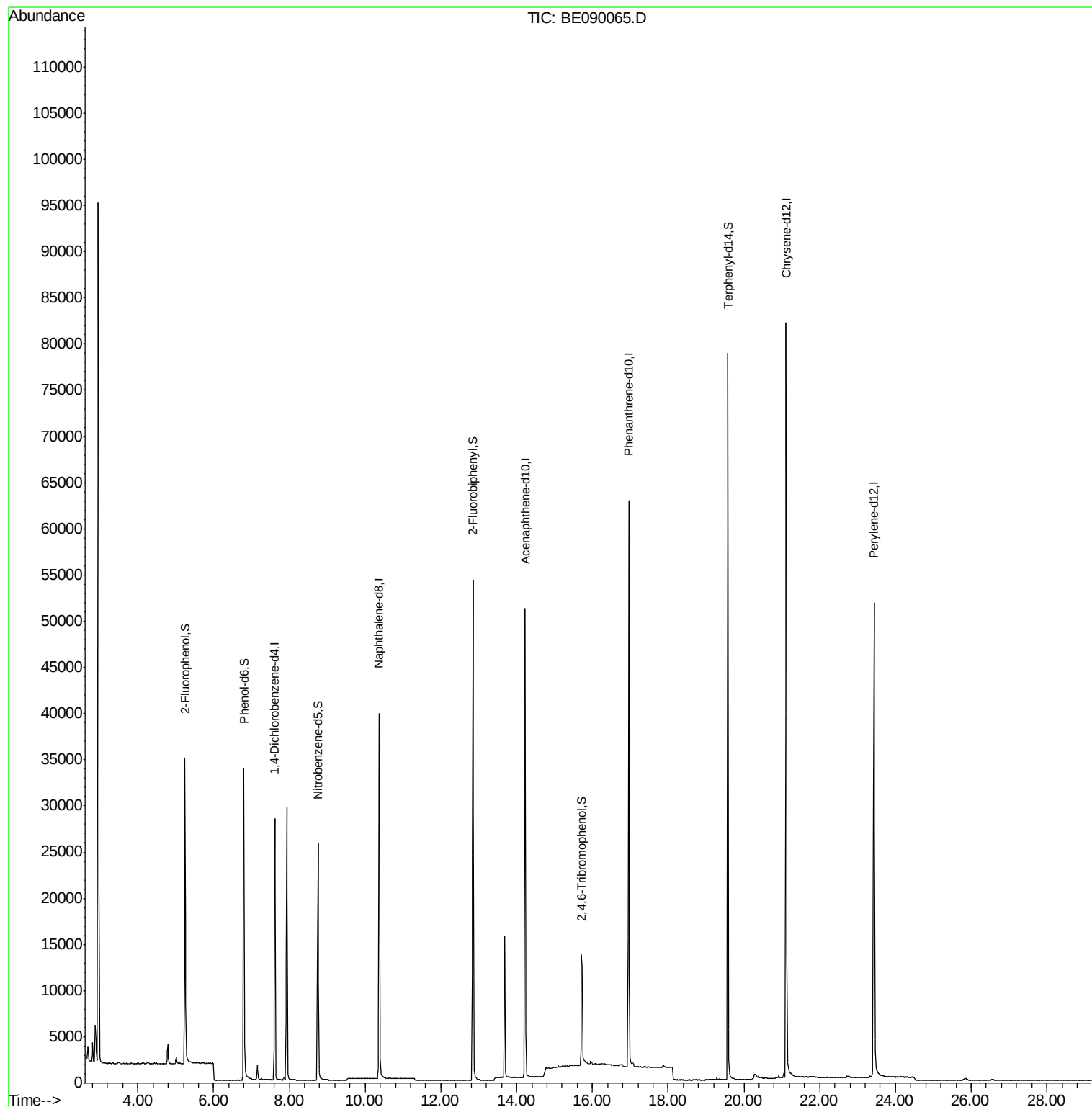
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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QLast Update : Tue Jun 30 07:01:01 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090065.D

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Instrument :

BNA\_E

ClientSampleId :

X1SS0820624-150626

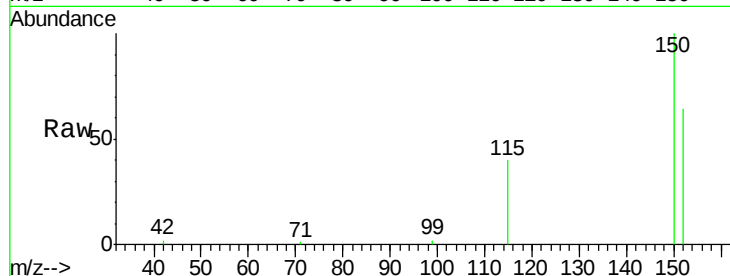
Tgt Ion:152 Resp: 13830

Ion Ratio Lower Upper

152 100

150 155.7 123.9 185.9

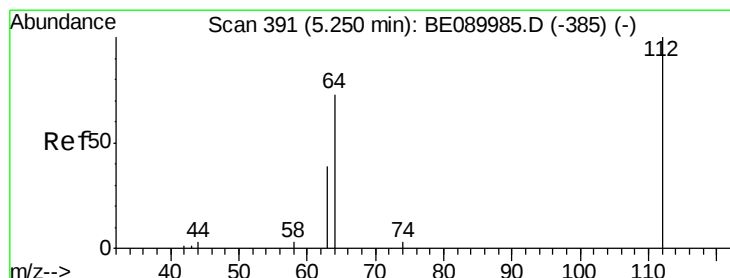
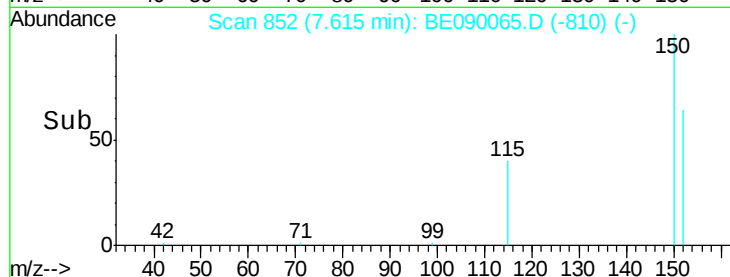
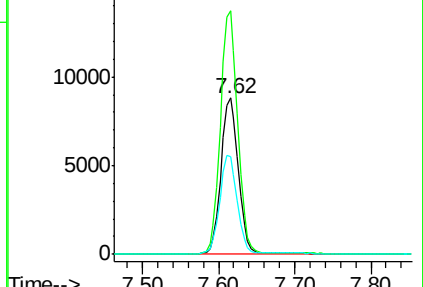
115 62.8 50.6 76.0



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: 7.71 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090065.D

Acq: 8 Jul 2015 19:06

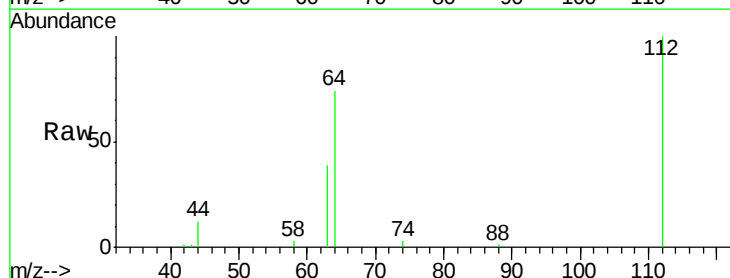
Tgt Ion:112 Resp: 24504

Ion Ratio Lower Upper

112 100

64 70.4 56.3 84.5

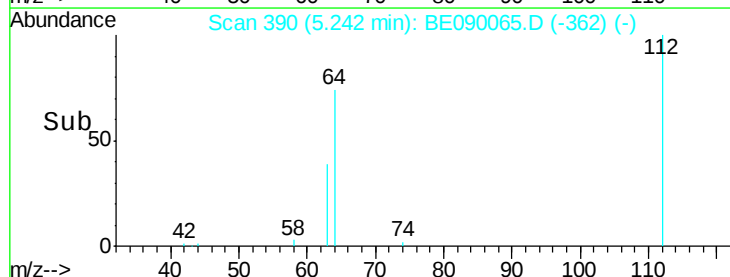
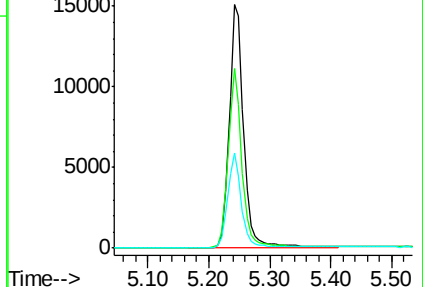
63 37.1 29.8 44.6

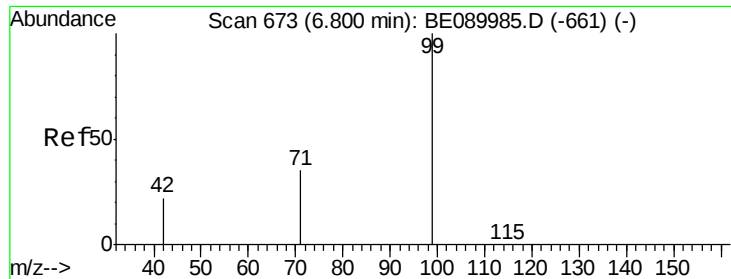


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.37 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090065.D

Acq: 8 Jul 2015 19:06

Instrument :

BNA\_E

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X1SS0820624-150626

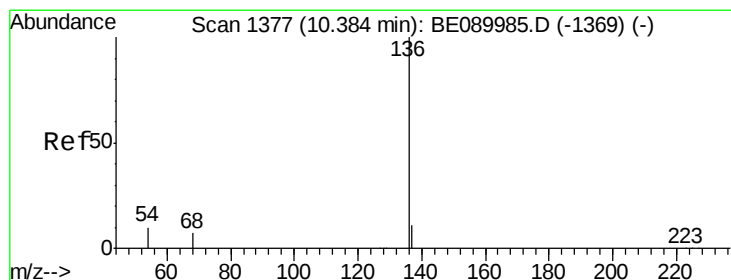
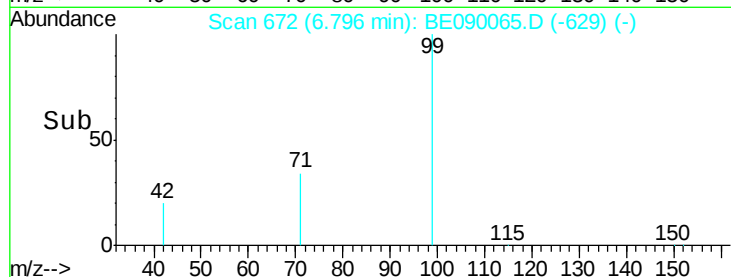
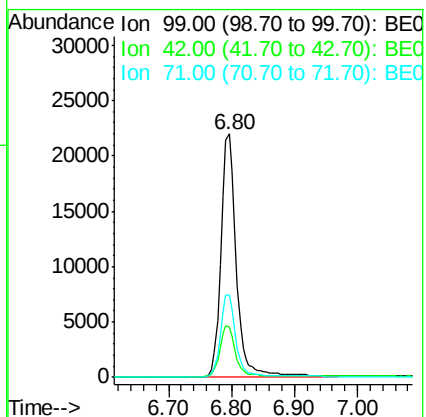
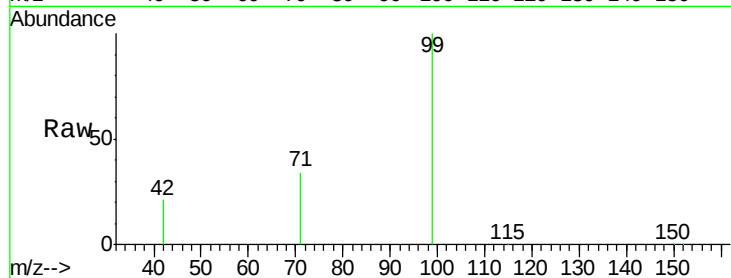
Tgt Ion: 99 Resp: 37210

Ion Ratio Lower Upper

99 100

42 21.1 18.7 28.1

71 33.8 27.5 41.3



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BE090065.D

Acq: 8 Jul 2015 19:06

Tgt Ion: 136 Resp: 55068

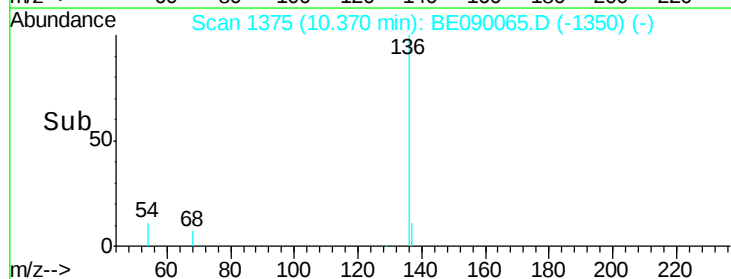
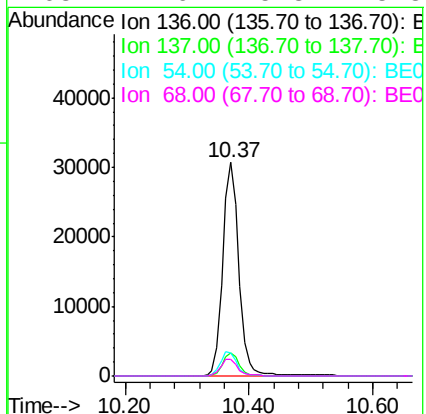
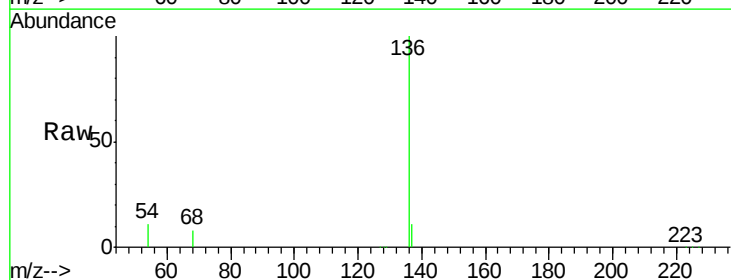
Ion Ratio Lower Upper

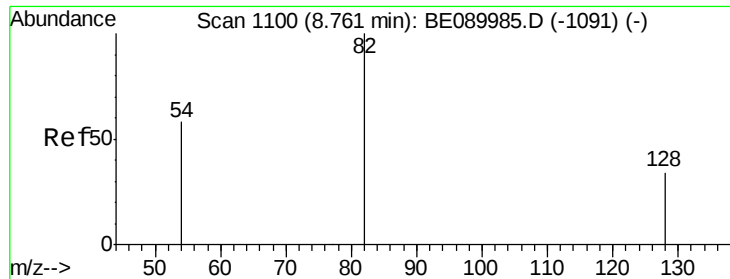
136 100

137 11.0 8.9 13.3

54 10.9 8.2 12.4

68 7.6 5.8 8.8





#7

Nitrobenzene-d5

Concen: 5.29 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090065.D

Acq: 8 Jul 2015 19:06

Instrument :

BNA\_E

ClientSampleId :

X1SS0820624-150626

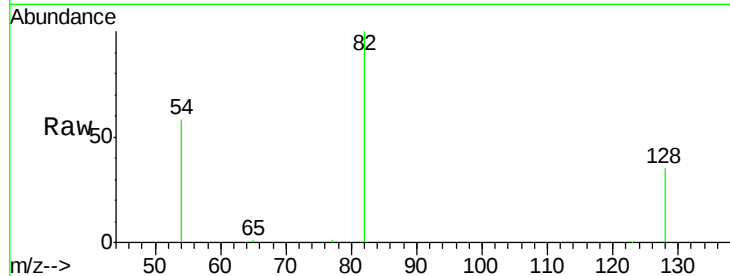
Tgt Ion: 82 Resp: 23143

Ion Ratio Lower Upper

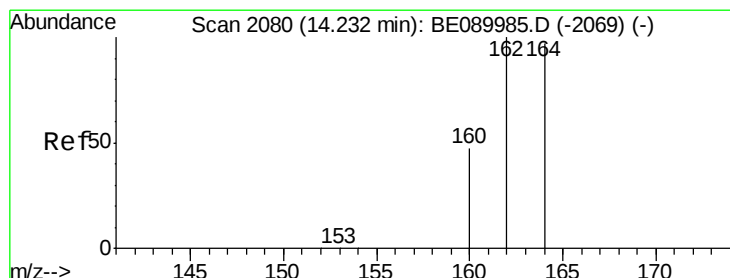
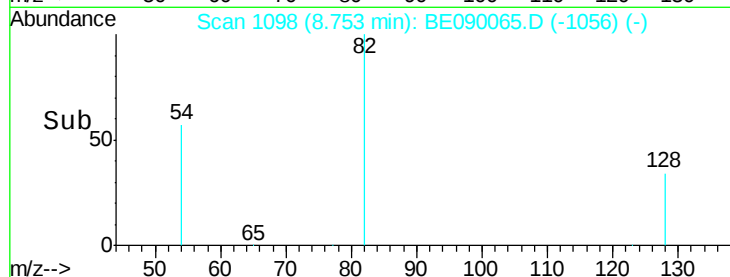
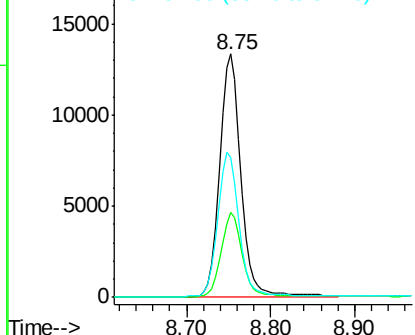
82 100

128 34.7 28.0 42.0

54 57.7 47.6 71.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090065.D

Acq: 8 Jul 2015 19:06

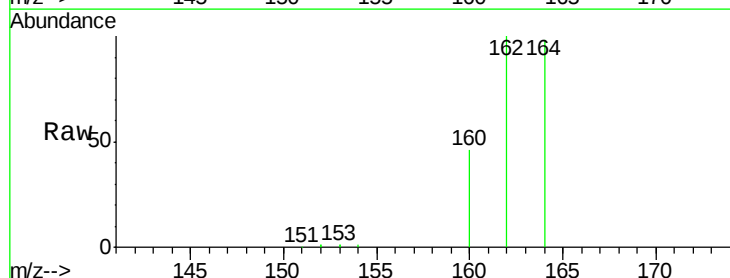
Tgt Ion: 164 Resp: 30650

Ion Ratio Lower Upper

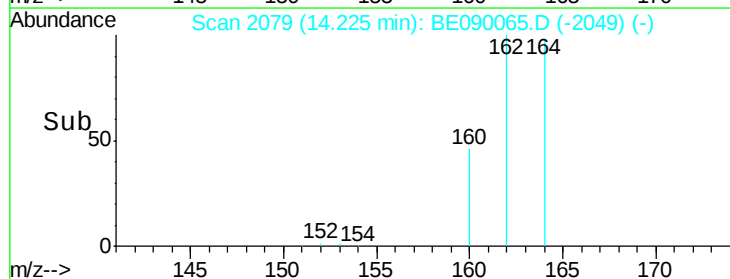
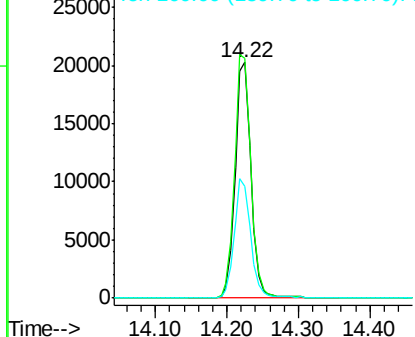
164 100

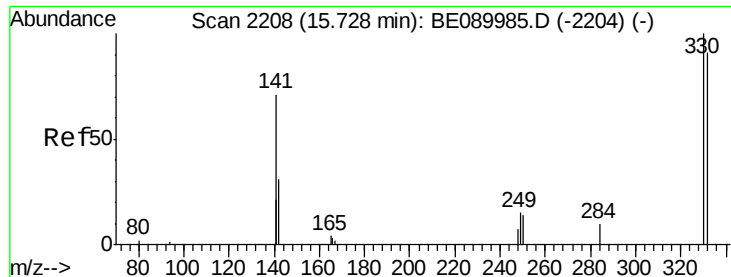
162 101.5 82.2 123.4

160 47.1 39.0 58.6



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

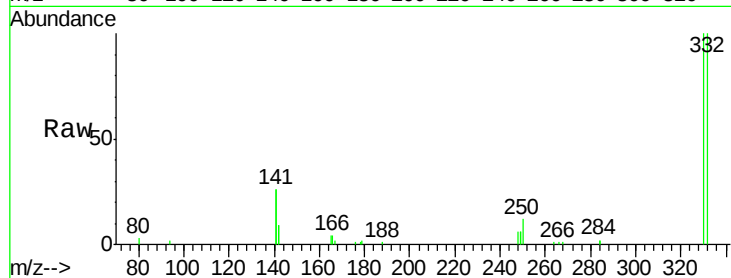




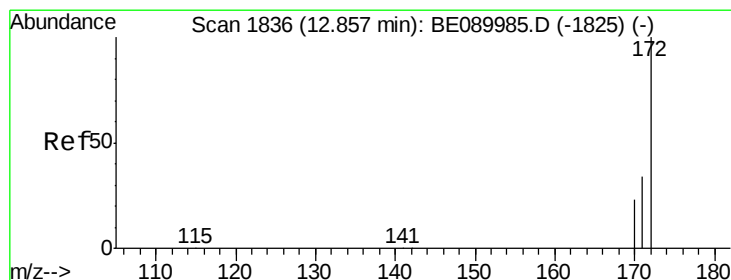
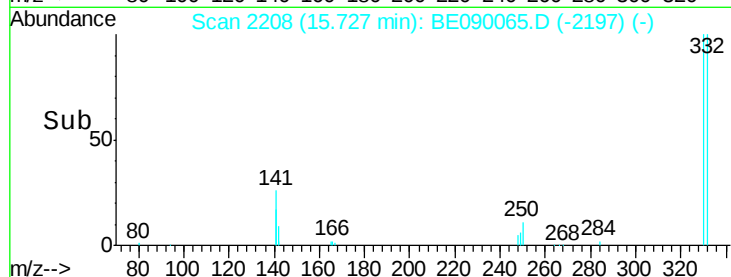
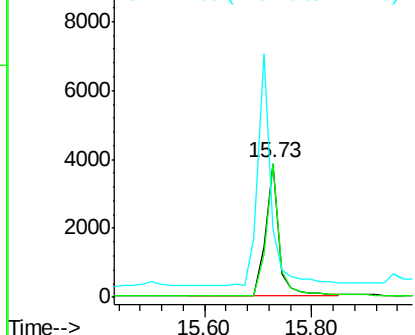
#13  
 2,4,6-Tribromophenol  
 Concen: 7.59 ng  
 RT: 15.73 min Scan# 2208  
 Delta R.T. -0.00 min  
 Lab File: BE090065.D  
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Tgt Ion:330 Resp: 6818  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.4 114.6  
 141 173.2 130.3 195.5

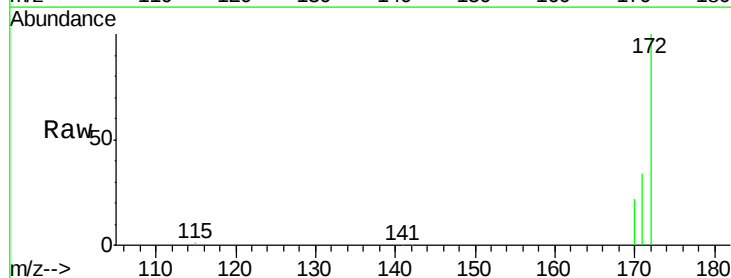


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

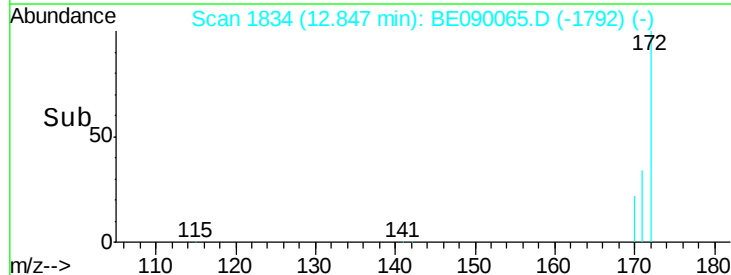
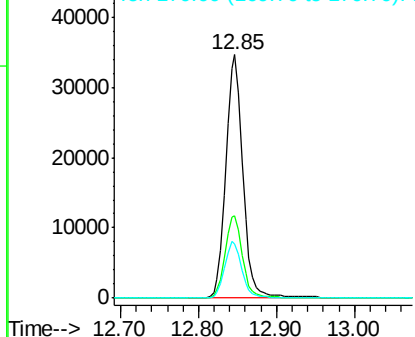


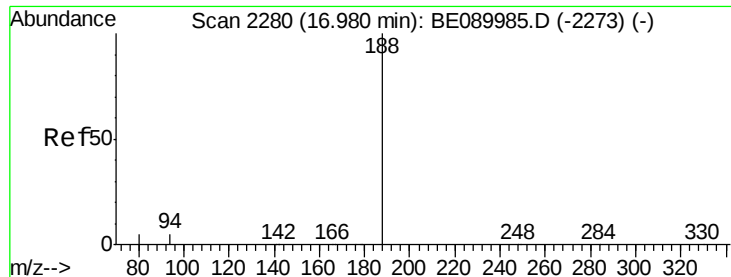
#14  
 2-Fluorobiphenyl  
 Concen: 5.71 ng  
 RT: 12.85 min Scan# 1834  
 Delta R.T. -0.01 min  
 Lab File: BE090065.D  
 Acq: 8 Jul 2015 19:06

Tgt Ion:172 Resp: 52560  
 Ion Ratio Lower Upper  
 172 100  
 171 33.8 27.8 41.6  
 170 22.3 18.3 27.5



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

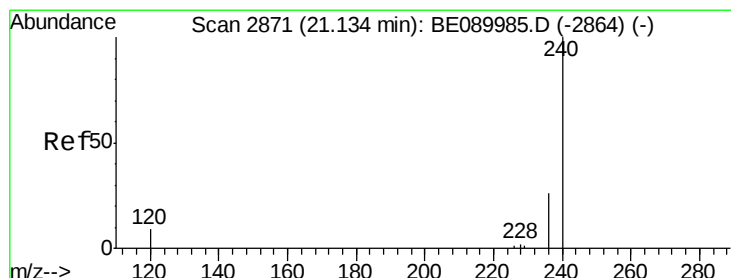
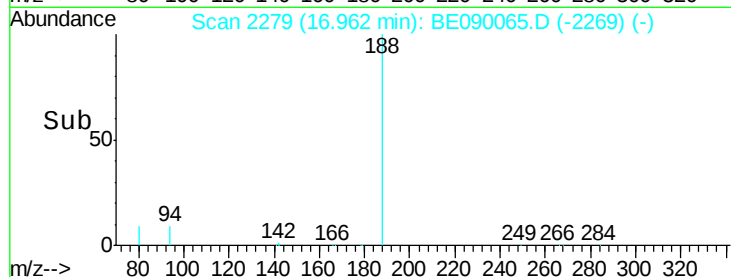
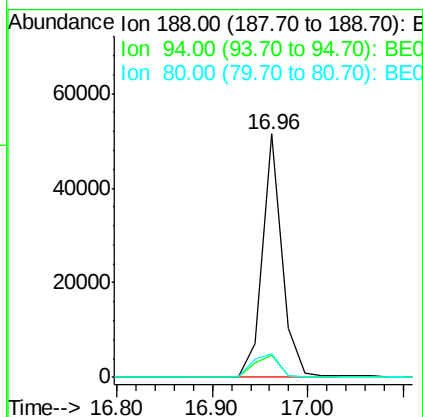
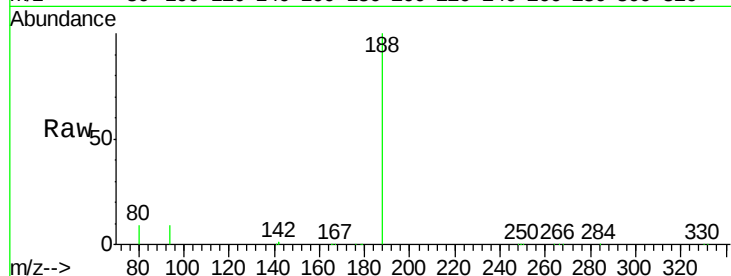




#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.96 min Scan# 2279  
Delta R.T. -0.02 min  
Lab File: BE090065.D  
Acq: 8 Jul 2015 19:06

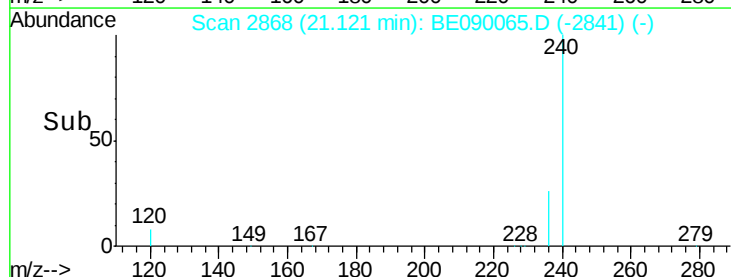
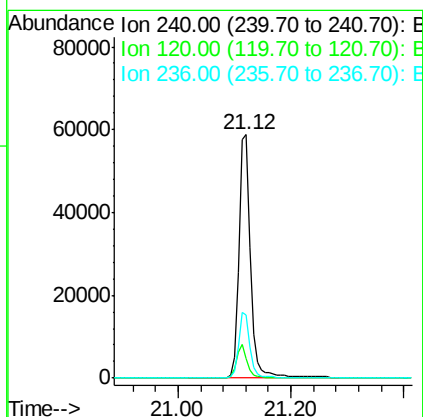
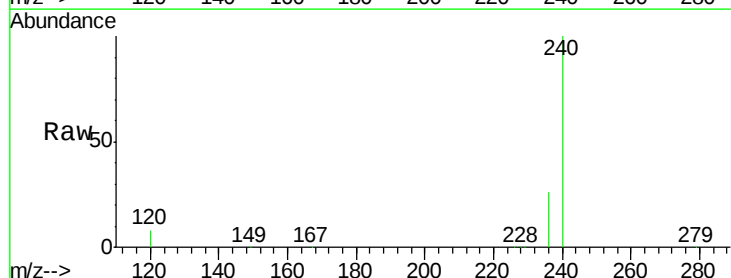
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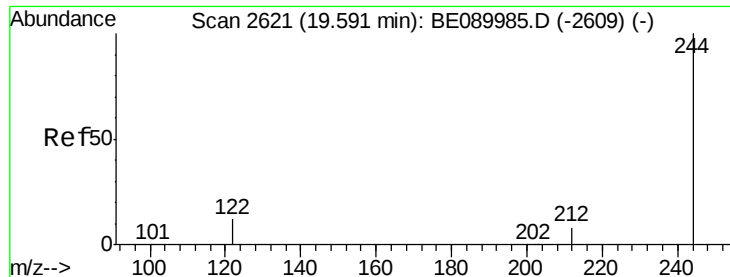
Tgt Ion:188 Resp: 73139  
Ion Ratio Lower Upper  
188 100  
94 8.9 4.1 6.1#  
80 9.4 4.2 6.2#



#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.12 min Scan# 2868  
Delta R.T. -0.01 min  
Lab File: BE090065.D  
Acq: 8 Jul 2015 19:06

Tgt Ion:240 Resp: 83251  
Ion Ratio Lower Upper  
240 100  
120 8.2 6.9 10.3  
236 26.1 20.8 31.2

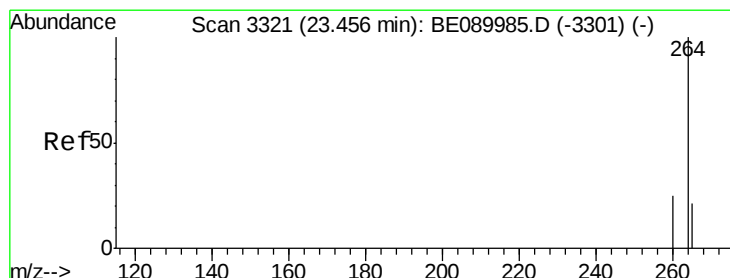
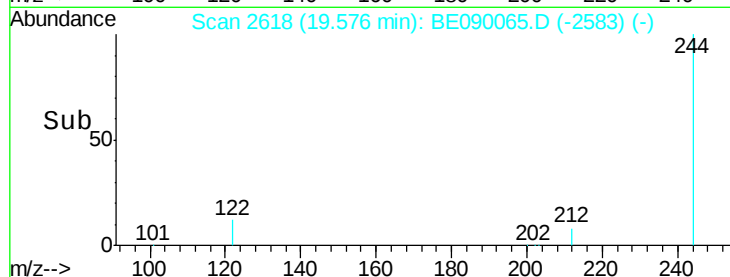
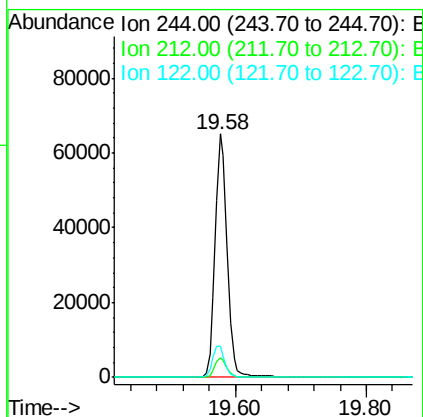
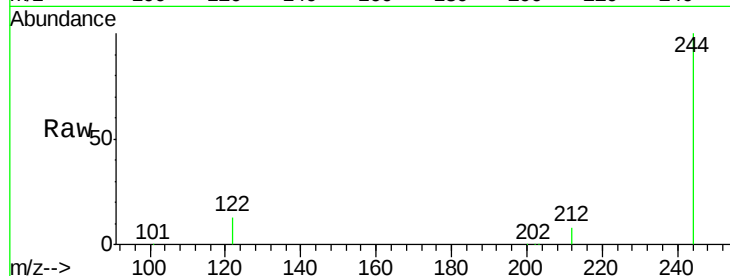




#27  
 Terphenyl-d14  
 Concen: 6.05 ng  
 RT: 19.58 min Scan# 2618  
 Delta R.T. -0.01 min  
 Lab File: BE090065.D  
 Acq: 8 Jul 2015 19:06

Instrument :  
 BNA\_E  
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 X1SS0820624-150626

Tgt Ion:244 Resp: 83964  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.6 9.8  
 122 12.6 9.8 14.8



#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.43 min Scan# 3316  
 Delta R.T. -0.02 min  
 Lab File: BE090065.D  
 Acq: 8 Jul 2015 19:06

Tgt Ion:264 Resp: 72623  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 20.2 30.2  
 265 22.1 17.1 25.7

