

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE022615\  
 Data File : BE089714.D  
 Acq On : 27 Feb 2015 6:35  
 Operator : TP/JJ  
 Sample : PB81904BL  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB81904BL

Quant Time: Feb 27 14:22:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-BE022615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 27 13:38:44 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 9.33  | 152  | 41060    | 5.00  | ng    | 0.00     |
| 7) Naphthalene-d8           | 12.23 | 136  | 171954   | 5.00  | ng    | 0.00     |
| 13) Acenaphthene-d10        | 16.40 | 164  | 78993    | 5.00  | ng    | 0.00     |
| 17) Phenanthrene-d10        | 19.76 | 188  | 143181   | 5.00  | ng    | 0.00     |
| 20) Chrysene-d12            | 23.65 | 240  | 114393   | 5.00  | ng    | 0.00     |
| 27) Perylene-d12            | 25.33 | 264  | 93340    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 3) 2-Fluorophenol           | 6.49  | 112  | 175035   | 17.61 | ng    | 0.00     |
| 4) Phenol-d6                | 8.61  | 99   | 234630   | 17.39 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 10.60 | 82   | 123845   | 11.59 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 18.30 | 330  | 17787    | 13.06 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 14.87 | 172  | 216256   | 12.32 | ng    | 0.00     |
| 22) Terphenyl-d14           | 22.30 | 244  | 204041   | 14.72 | ng    | 0.00     |

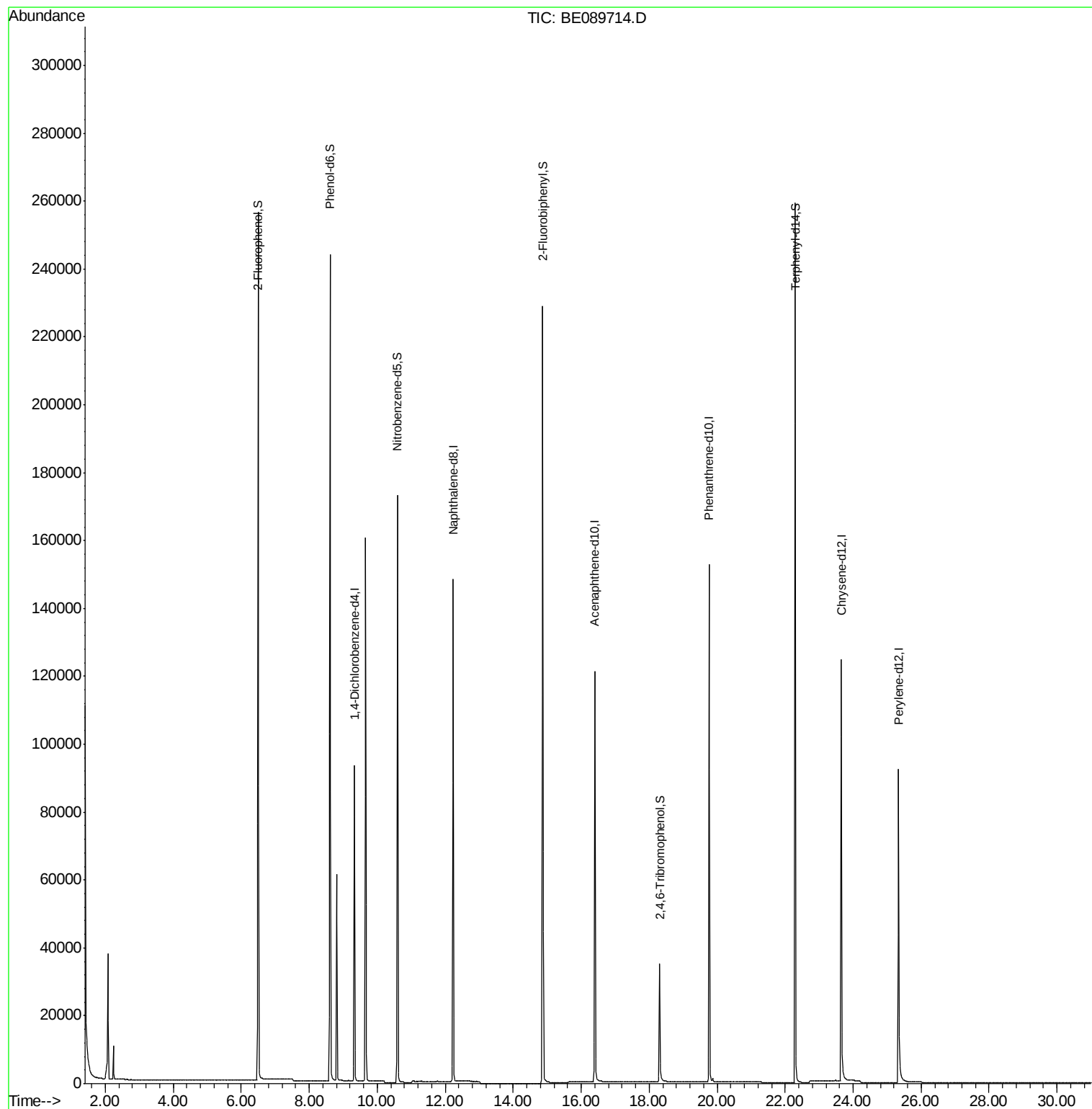
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

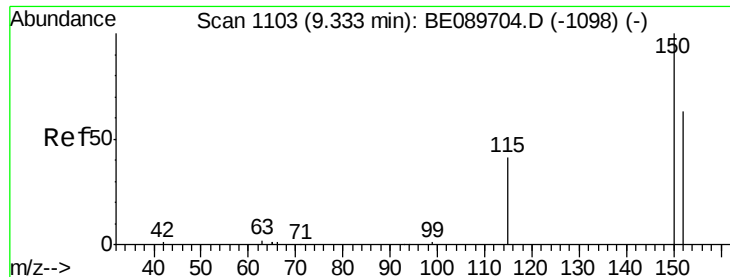
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

Instrument :

BNA\_E

ClientSampleId :

PB81904BL

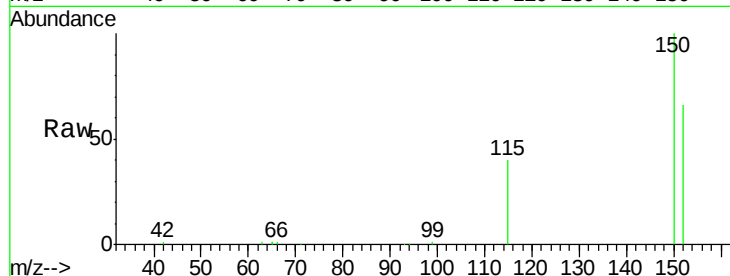
Tgt Ion:152 Resp: 41060

Ion Ratio Lower Upper

152 100

150 152.5 127.3 190.9

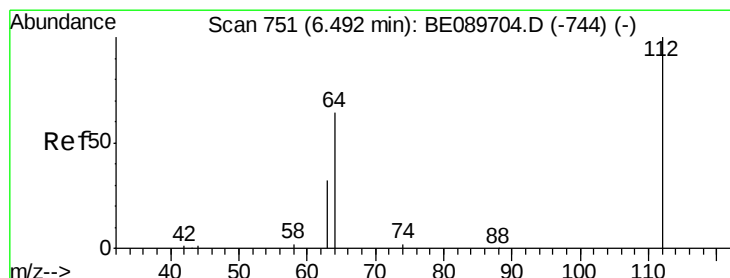
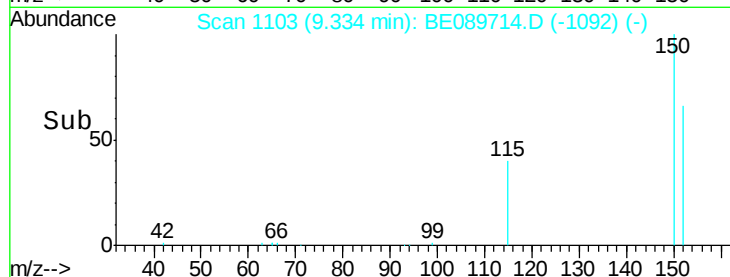
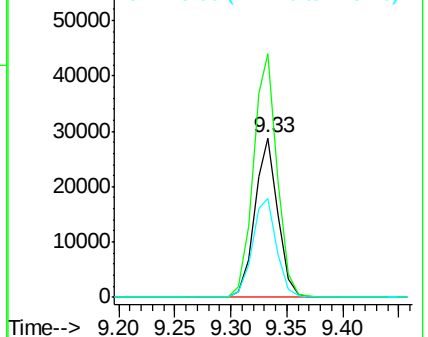
115 61.6 52.0 78.0



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



#3

2-Fluorophenol

Concen: 17.61 ng

RT: 6.49 min Scan# 751

Delta R.T. -0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

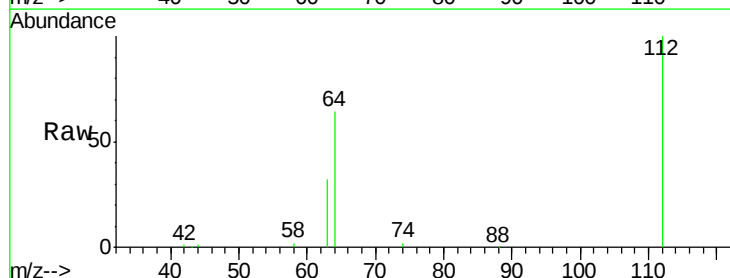
Tgt Ion:112 Resp: 175035

Ion Ratio Lower Upper

112 100

64 63.8 51.3 76.9

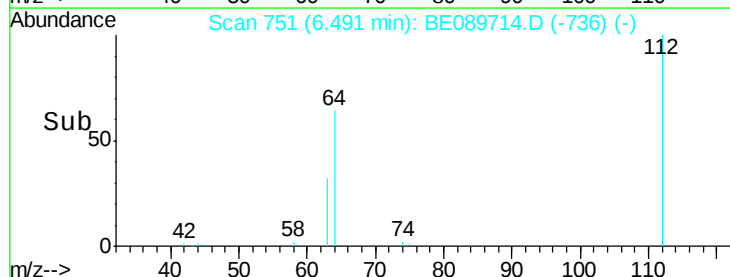
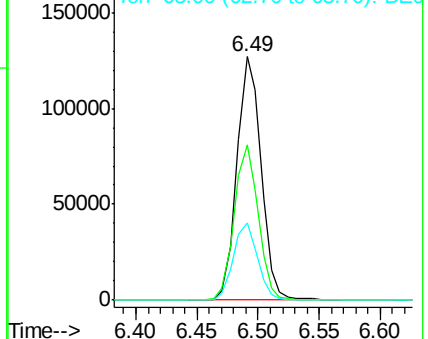
63 31.8 26.2 39.2

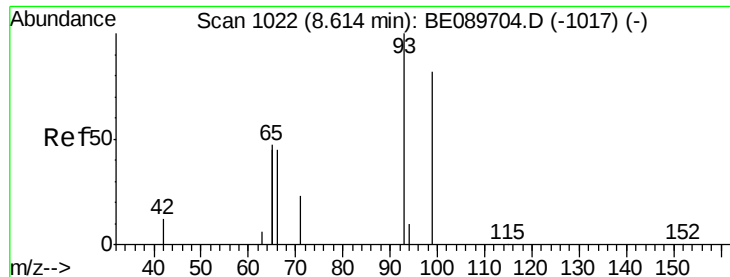


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#4

Phenol-d6

Concen: 17.39 ng

RT: 8.61 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

Instrument :

BNA\_E

ClientSampleId :

PB81904BL

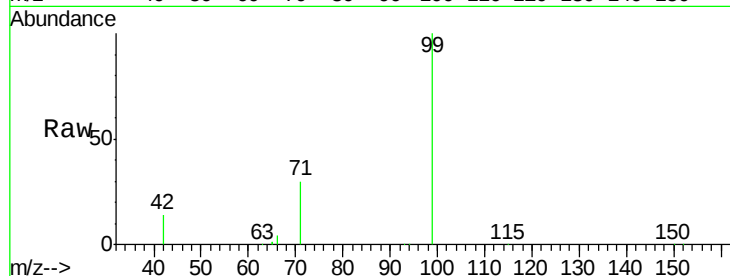
Tgt Ion: 99 Resp: 234630

Ion Ratio Lower Upper

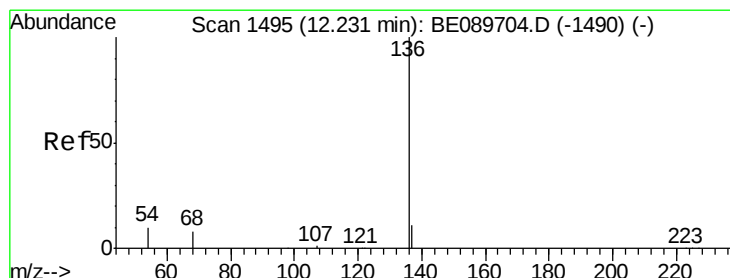
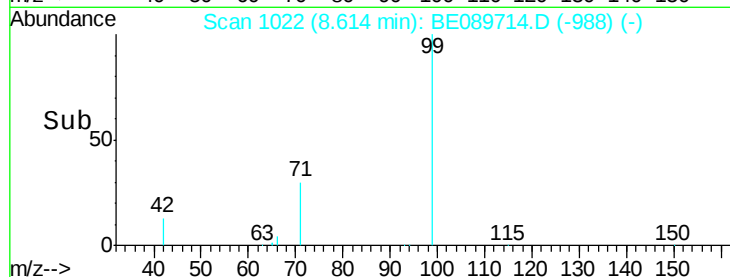
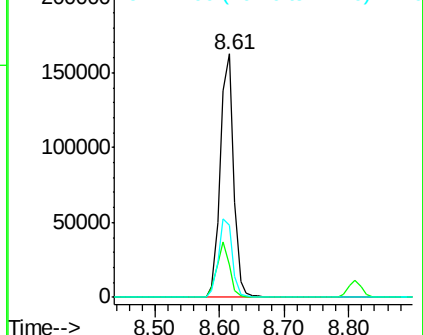
99 100

42 13.5 12.3 18.5

71 29.5 22.9 34.3



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

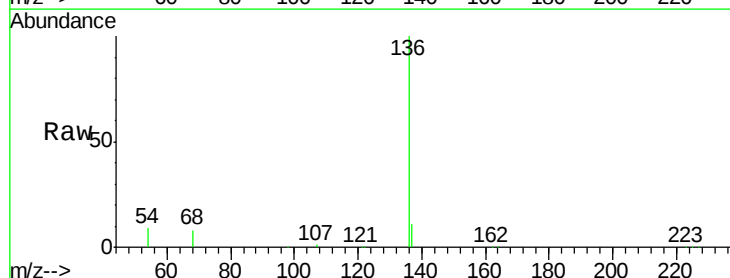
Tgt Ion: 136 Resp: 171954

Ion Ratio Lower Upper

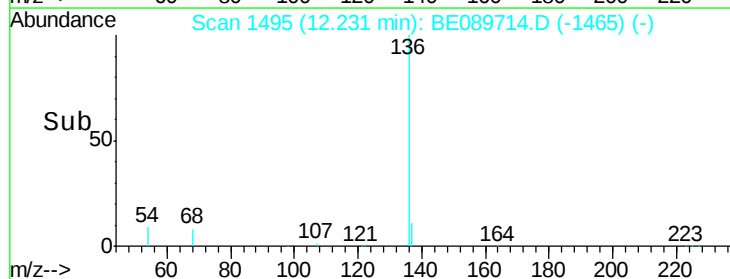
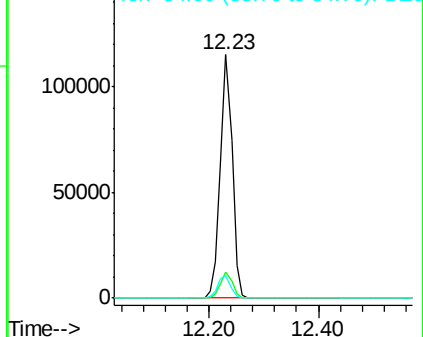
136 100

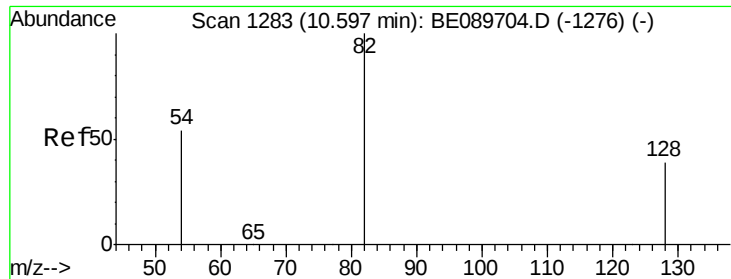
137 10.9 8.6 13.0

54 9.3 8.1 12.1



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





#8

Nitrobenzene-d5

Concen: 11.59 ng

RT: 10.60 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

Instrument :

BNA\_E

ClientSampleId :

PB81904BL

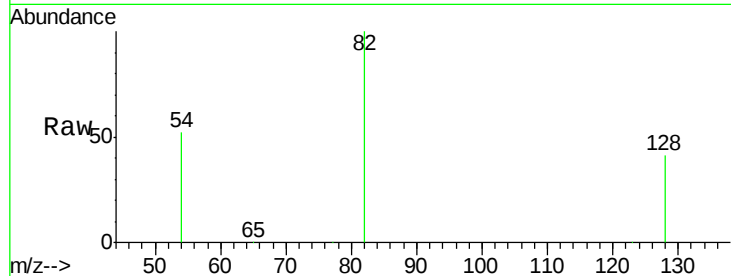
Tgt Ion: 82 Resp: 123845

Ion Ratio Lower Upper

82 100

128 41.3 31.4 47.2

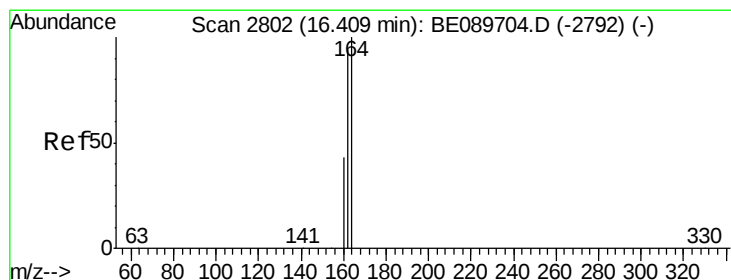
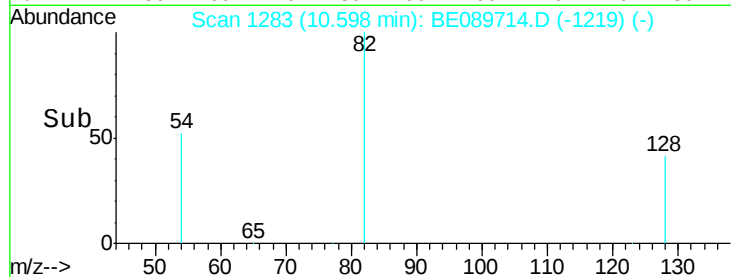
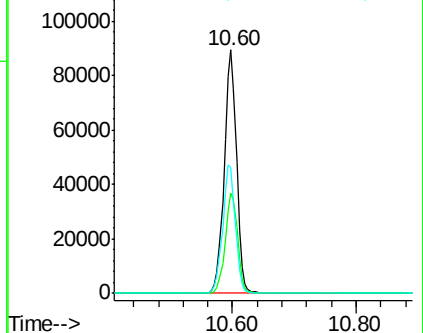
54 51.8 43.8 65.8



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



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.40 min Scan# 2801

Delta R.T. -0.01 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

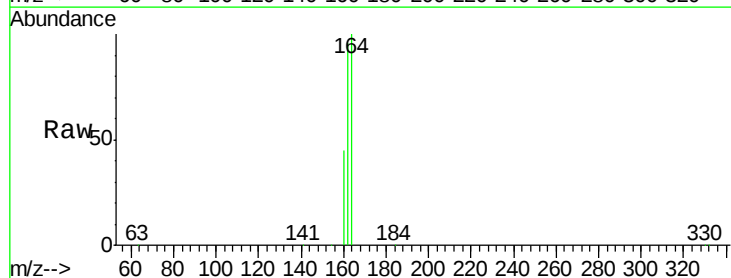
Tgt Ion: 164 Resp: 78993

Ion Ratio Lower Upper

164 100

162 96.4 75.0 112.6

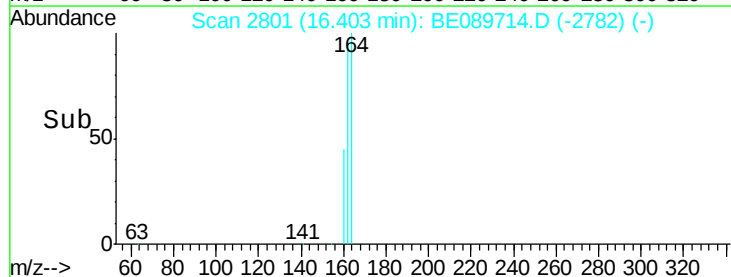
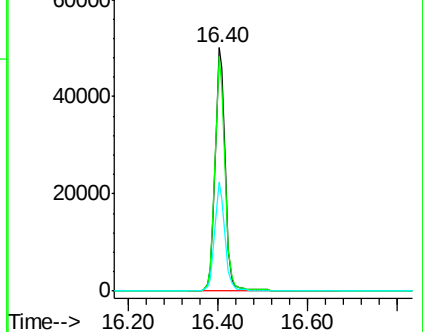
160 45.0 34.3 51.5

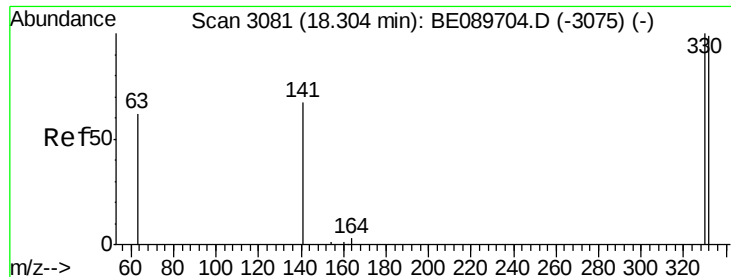


Abundance Ion 164.00 (163.70 to 164.70): BE0

Ion 162.00 (161.70 to 162.70): BE0

Ion 160.00 (159.70 to 160.70): BE0

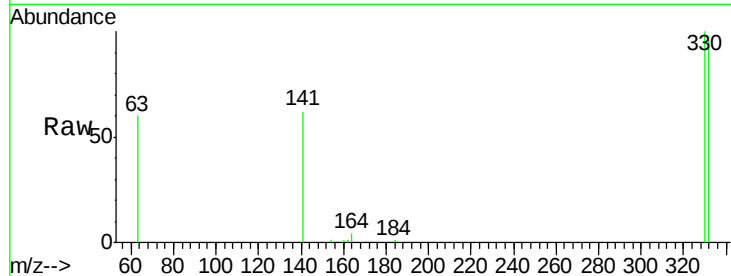




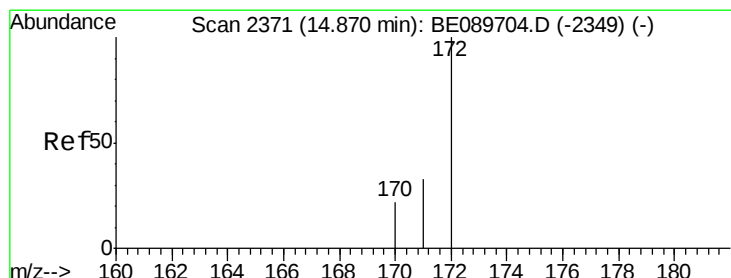
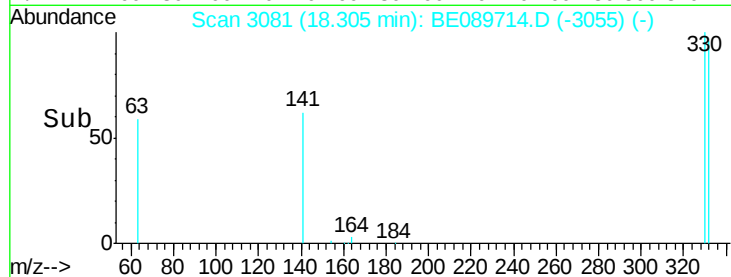
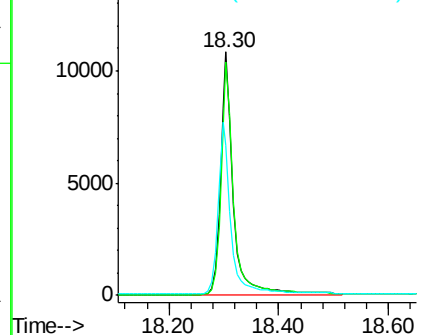
#14  
 2,4,6-Tribromophenol  
 Concen: 13.06 ng  
 RT: 18.30 min Scan# 3081  
 Delta R.T. 0.00 min  
 Lab File: BE089714.D  
 Acq: 27 Feb 2015 6:35

Instrument :  
 BNA\_E  
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 PB81904BL

Tgt Ion:330 Resp: 17787  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 0.0 0.0#  
 141 73.3 0.0 0.0#

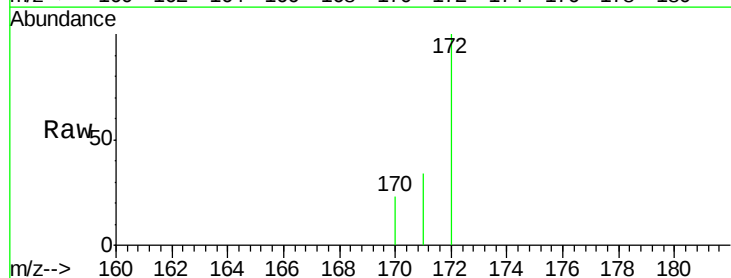


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

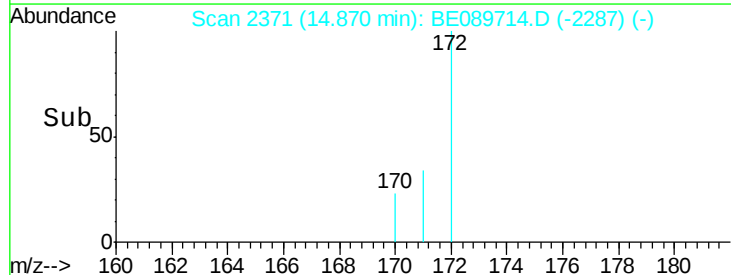
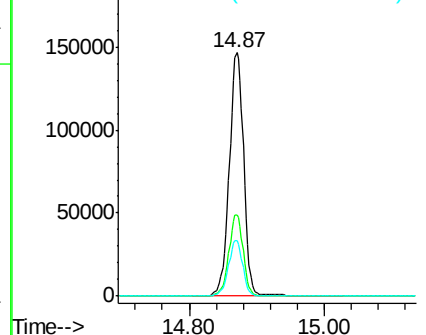


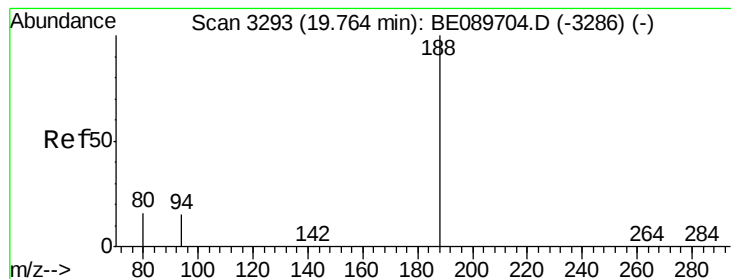
#15  
 2-Fluorobiphenyl  
 Concen: 12.32 ng  
 RT: 14.87 min Scan# 2371  
 Delta R.T. 0.00 min  
 Lab File: BE089714.D  
 Acq: 27 Feb 2015 6:35

Tgt Ion:172 Resp: 216256  
 Ion Ratio Lower Upper  
 172 100  
 171 33.5 26.8 40.2  
 170 22.7 18.0 27.0



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





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.76 min Scan# 3293

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

Instrument :

BNA\_E

ClientSampleId :

PB81904BL

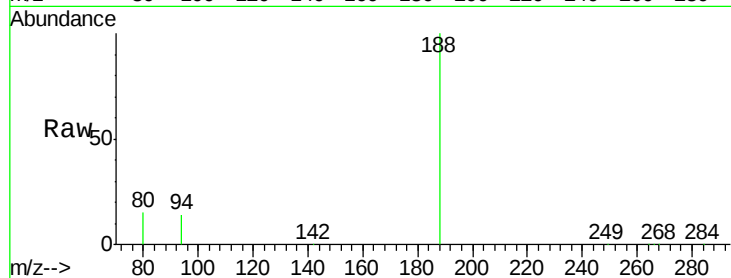
Tgt Ion:188 Resp: 143181

Ion Ratio Lower Upper

188 100

94 14.2 12.1 18.1

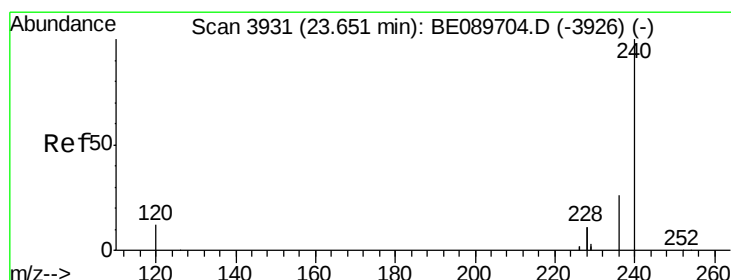
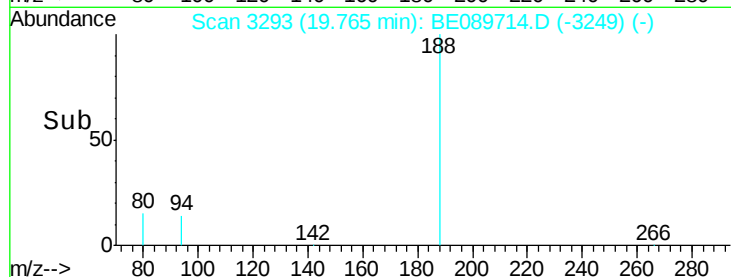
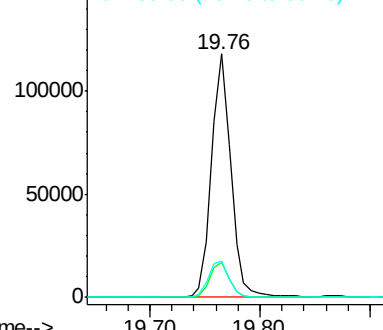
80 15.0 12.7 19.1



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



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

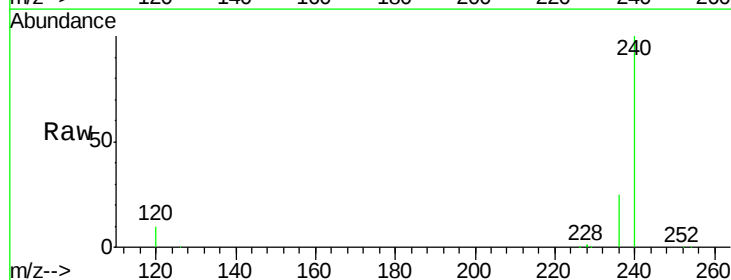
Tgt Ion:240 Resp: 114393

Ion Ratio Lower Upper

240 100

120 9.8 9.9 14.9#

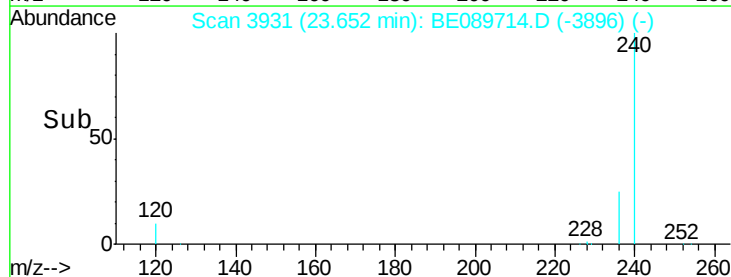
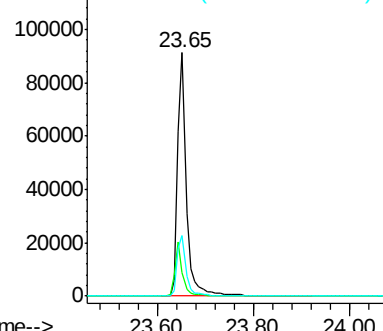
236 24.8 21.0 31.6

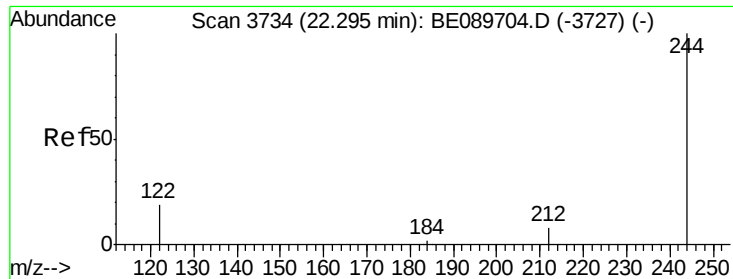


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#22

Terphenyl-d14

Concen: 14.72 ng

RT: 22.30 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

Instrument :

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PB81904BL

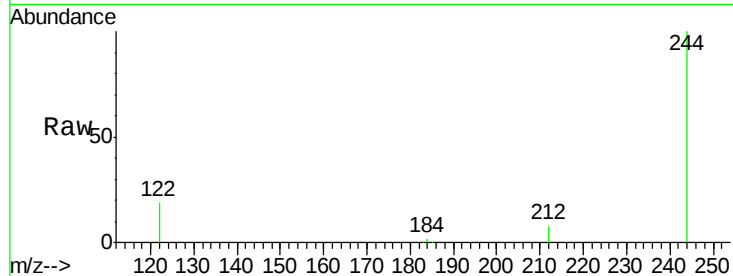
Tgt Ion:244 Resp: 204041

Ion Ratio Lower Upper

244 100

212 8.1 6.7 10.1

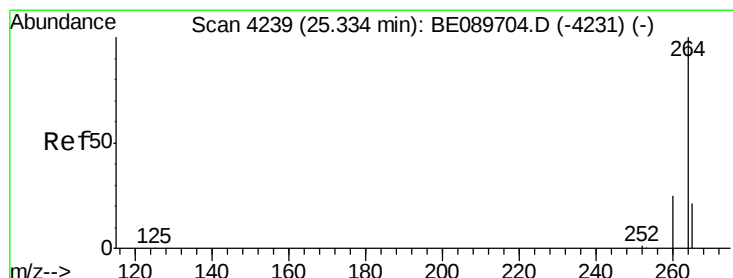
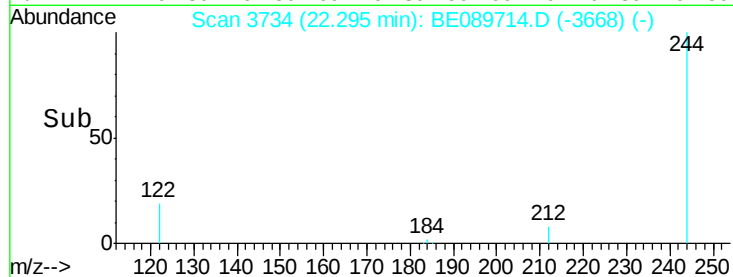
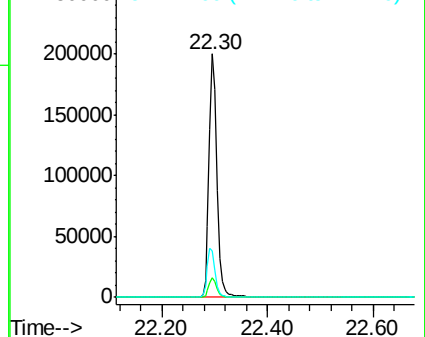
122 19.1 15.7 23.5



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



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.33 min Scan# 4239

Delta R.T. 0.00 min

Lab File: BE089714.D

Acq: 27 Feb 2015 6:35

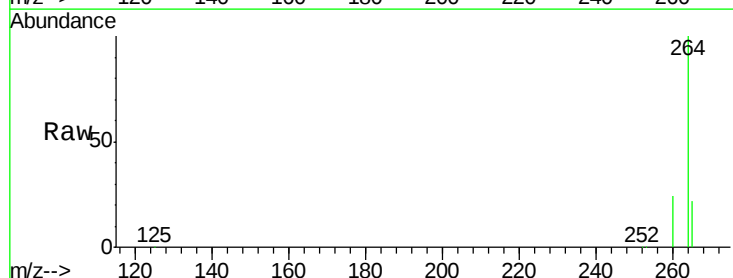
Tgt Ion:264 Resp: 93340

Ion Ratio Lower Upper

264 100

260 24.4 20.2 30.2

265 21.7 16.9 25.3



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

