

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\  
 Data File : BE090763.D  
 Acq On : 10 Sep 2015 16:16  
 Operator : UM/IZ  
 Sample : G3598-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 090515-D534-F-U-S

Quant Time: Sep 11 02:52:27 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 11:40:50 2015  
 Response via : Initial Calibration

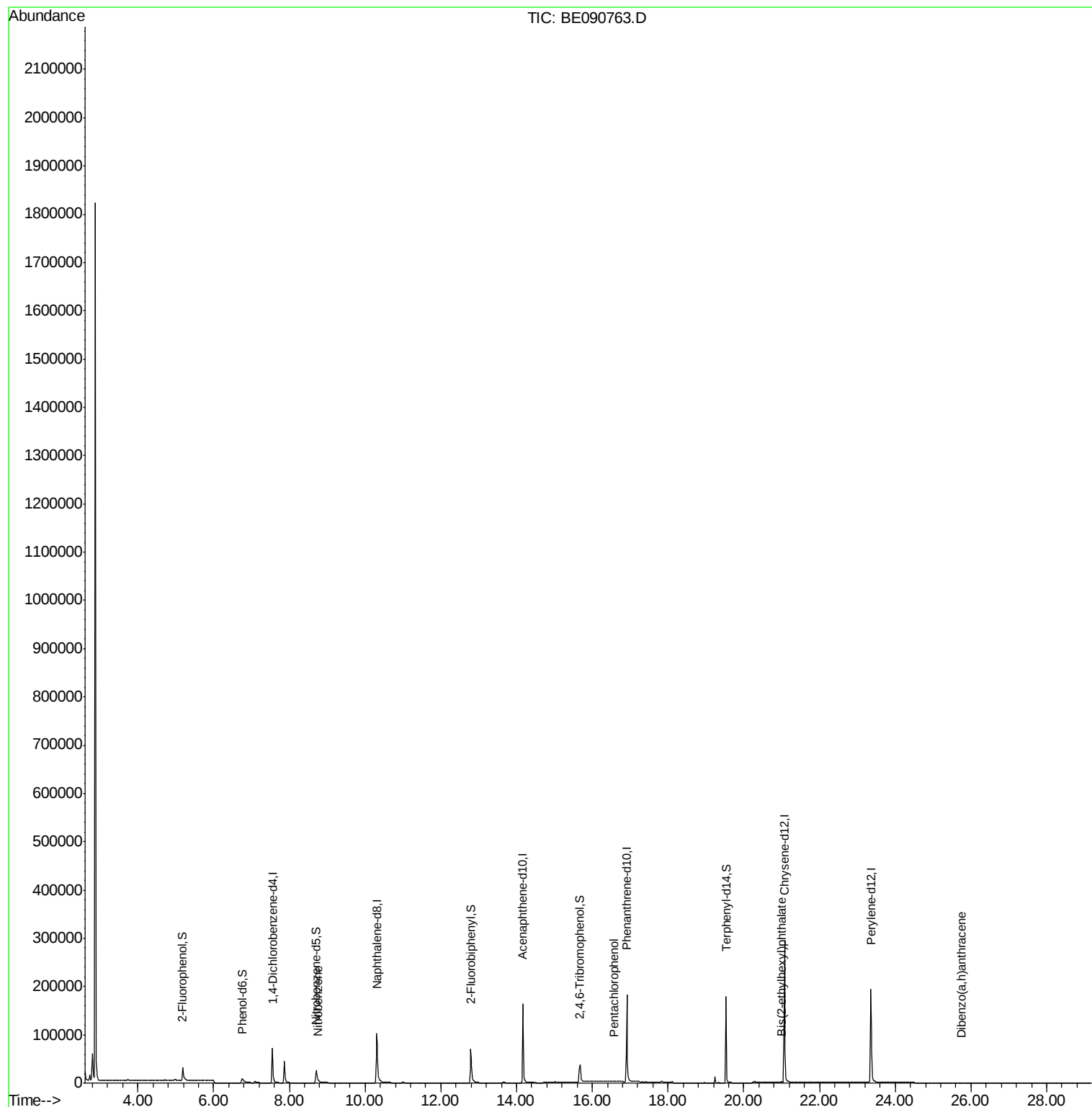
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 42791    | 5.00      | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.31 | 136  | 190814   | 5.00      | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.17 | 164  | 99858    | 5.00      | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.91 | 188  | 243163   | 5.00      | ng    | 0.00     |
| 25) Chrysene-d12               | 21.07 | 240  | 299815   | 5.00      | ng    | 0.00     |
| 32) Perylene-d12               | 23.36 | 264  | 273782   | 5.00      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.18  | 112  | 29813    | 3.58      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.75  | 99   | 24456    | 2.05      | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.71  | 82   | 48152    | 3.82      | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.68 | 330  | 22141    | 7.56      | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.79 | 172  | 105888   | 3.83      | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.53 | 244  | 185831   | 5.60      | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 3.16  | 88   | 43       | Below Cal | #     | 1        |
| 3) n-Nitrosodimethylamine      | 3.43  | 42   | 55       | Below Cal | #     | 1        |
| 8) Nitrobenzene                | 8.77  | 77   | 9        | 0.11 ng   | #     | 50       |
| 20) Hexachlorobenzene          | 16.23 | 284  | 109      | Below Cal | #     | 1        |
| 21) Pentachlorophenol          | 16.58 | 266  | 3        | 0.46 ng   | #     | 62       |
| 29) Chrysene                   | 21.11 | 228  | 758      | Below Cal | #     | 77       |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 3160     | 0.25 ng   | #     | 97       |
| 36) Dibenzo(a,h)anthracene     | 25.75 | 278  | 135      | 0.14 ng   | #     | 1        |

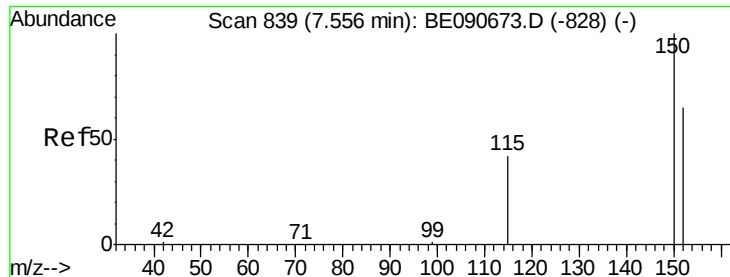
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\  
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Instrument :

BNA\_E

ClientSampleId :

090515-D534-F-U-S

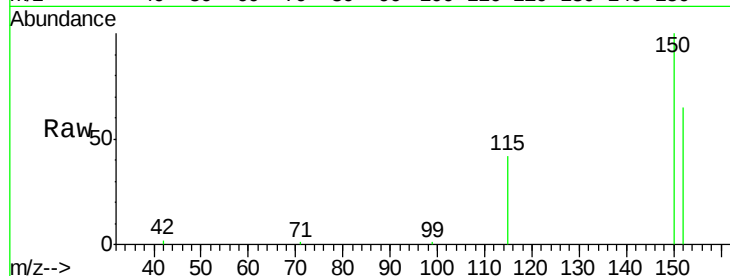
Tot Ion:152 Resp: 42791

Ion Ratio Lower Upper

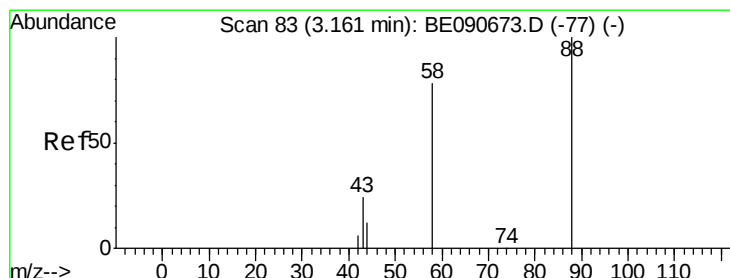
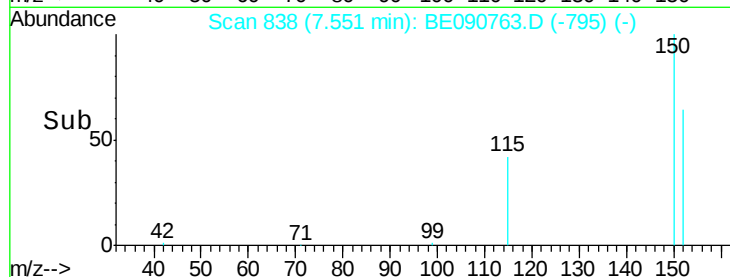
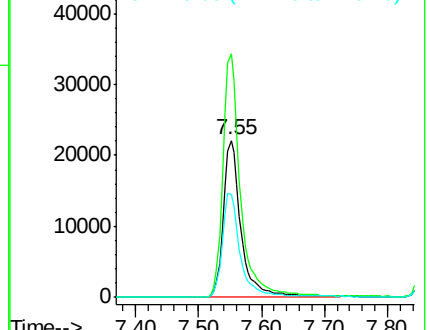
152 100

150 154.9 122.2 183.4

115 65.5 51.0 76.4



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

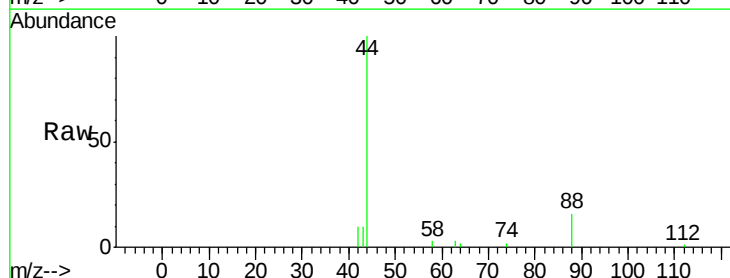
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

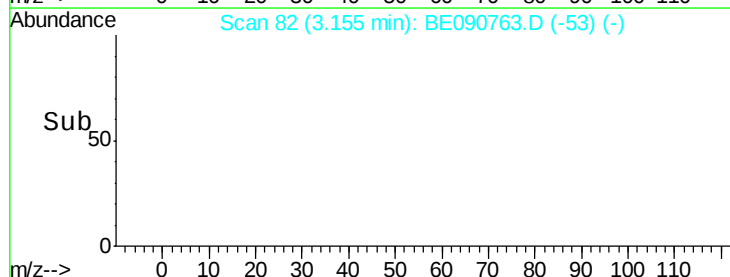
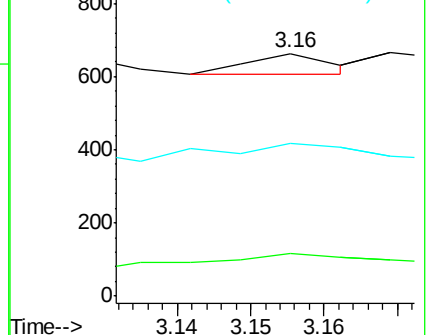
88 100

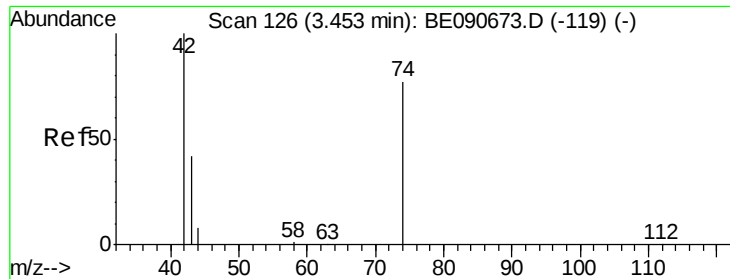
58 153.5 68.4 102.6#

43 372.1 26.9 40.3#



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0



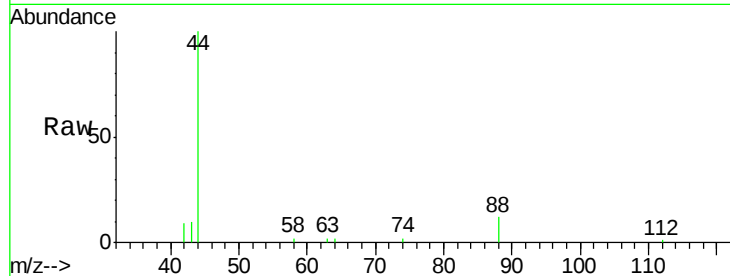


#3

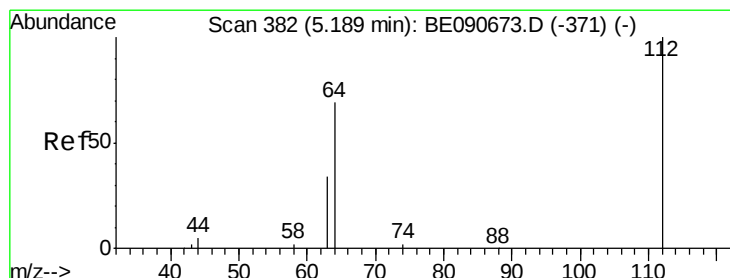
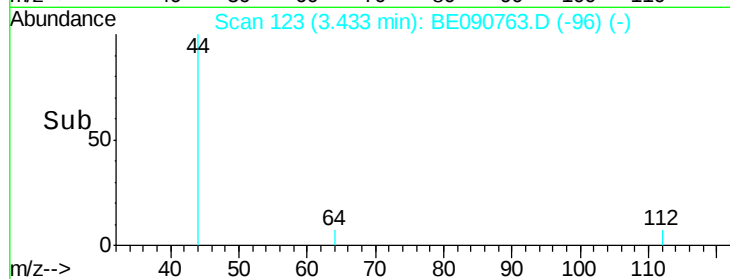
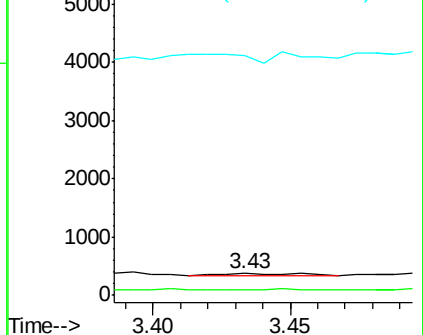
n-Nitrosodimethylamine  
 Concen: Below Cal  
 RT: 3.43 min Scan# 123  
 Delta R.T. -0.02 min  
 Lab File: BE090763.D  
 Acq: 10 Sep 2015 16:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 090515-D534-F-U-S

Tot Ion: 42 Resp: 55  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 83.7 125.5#  
 44 725.5 10.0 15.0#



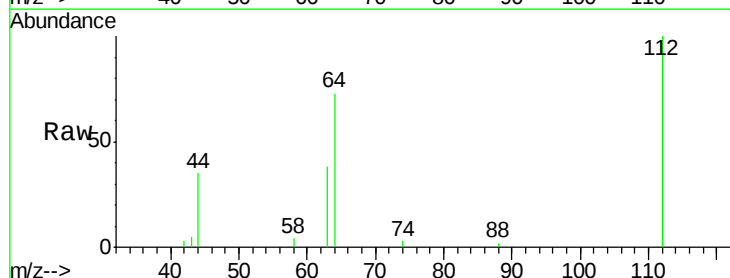
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



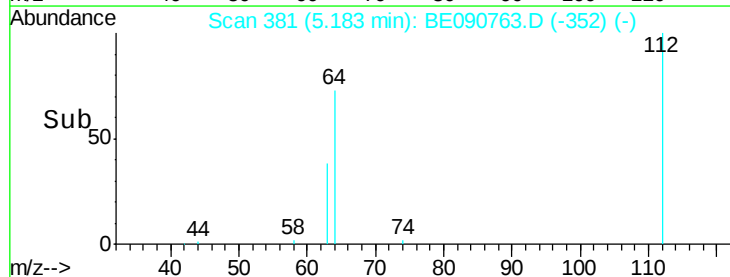
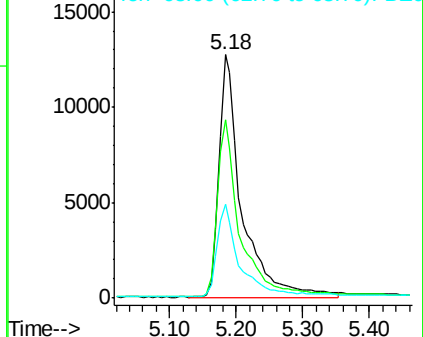
#4

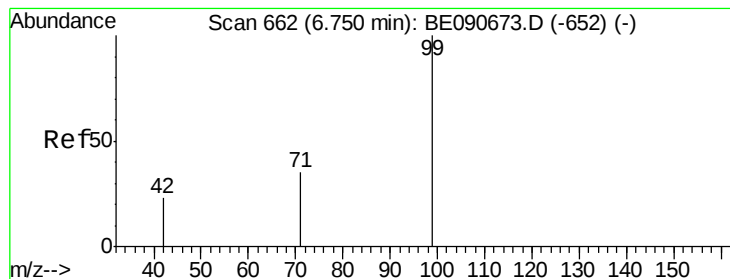
2-Fluorophenol  
 Concen: 3.58 ng  
 RT: 5.18 min Scan# 381  
 Delta R.T. -0.00 min  
 Lab File: BE090763.D  
 Acq: 10 Sep 2015 16:16

Tgt Ion: 112 Resp: 29813  
 Ion Ratio Lower Upper  
 112 100  
 64 72.6 57.3 85.9  
 63 37.7 29.2 43.8



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: 2.05 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Instrument :

BNA\_E

ClientSampleId :

090515-D534-F-U-S

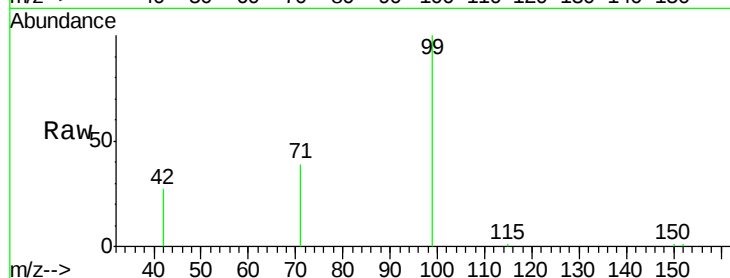
Tot Ion: 99 Resp: 24456

Ion Ratio Lower Upper

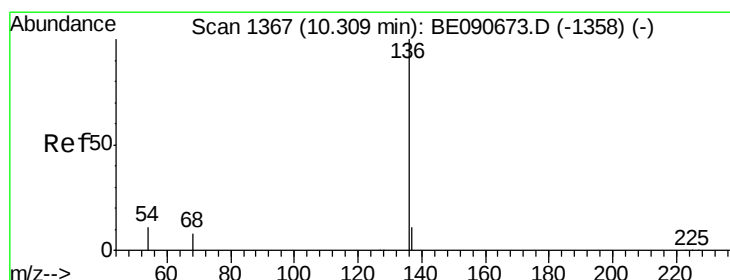
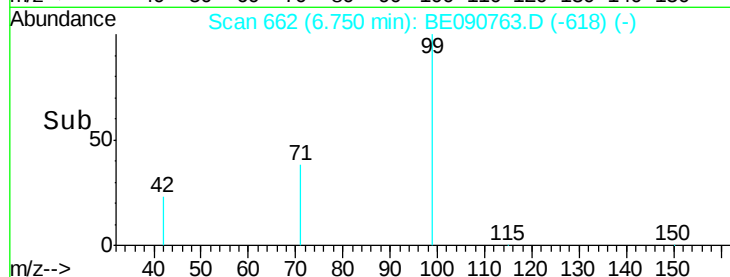
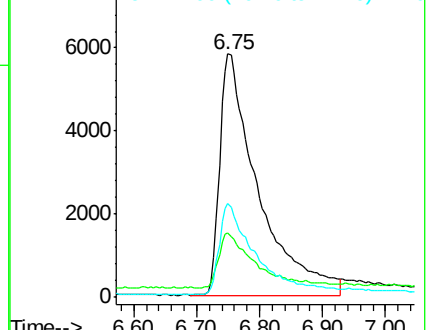
99 100

42 21.7 16.8 25.2

71 36.6 28.3 42.5



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Tgt Ion: 136 Resp: 190814

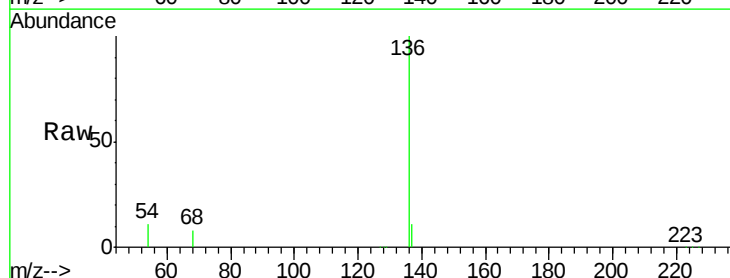
Ion Ratio Lower Upper

136 100

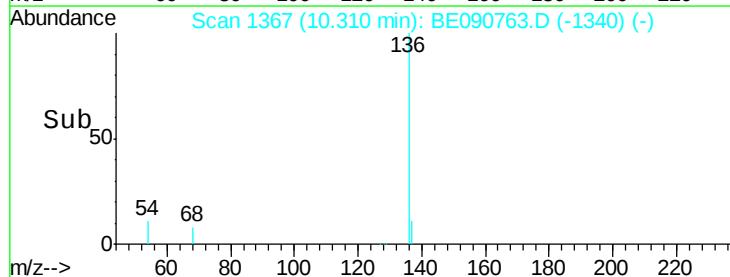
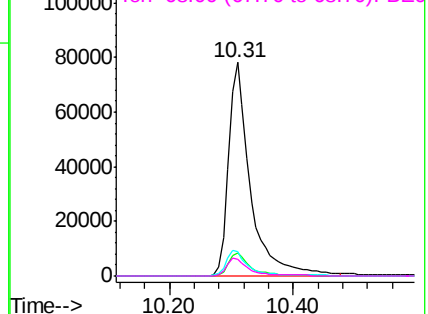
137 11.0 8.7 13.1

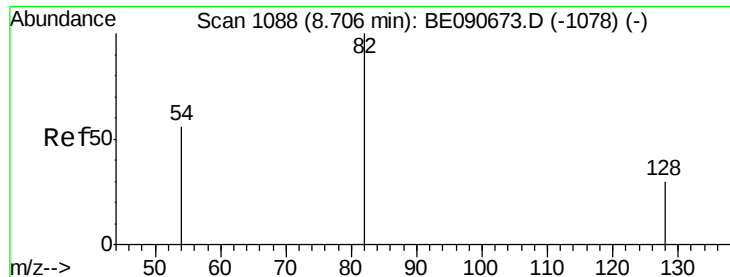
54 11.2 9.0 13.6

68 8.1 6.3 9.5



Abundance Ion 136.00 (135.70 to 136.70): BE0  
Ion 137.00 (136.70 to 137.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.82 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Instrument :

BNA\_E

ClientSampleId :

090515-D534-F-U-S

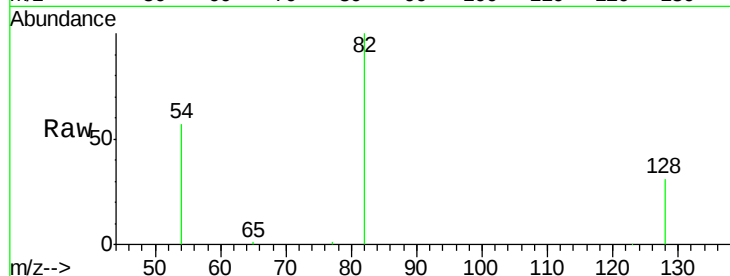
Tot Ion: 82 Resp: 48152

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.4

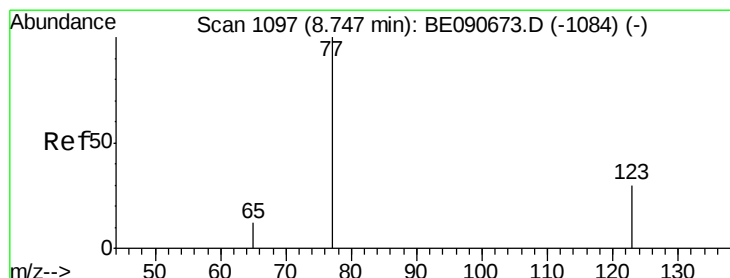
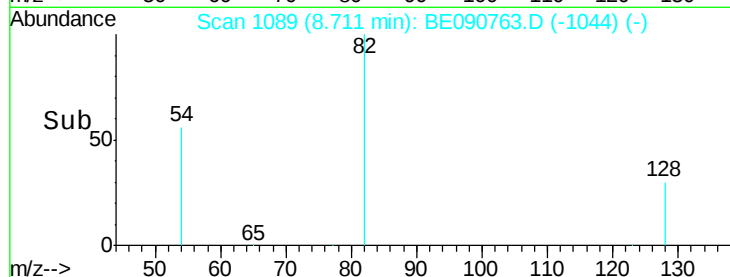
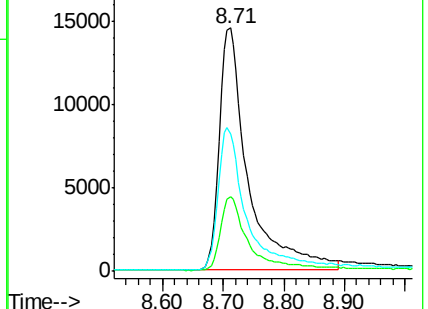
54 56.5 46.3 69.5



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



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.02 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

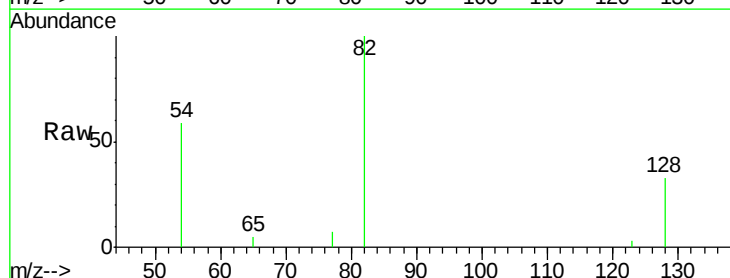
Tgt Ion: 77 Resp: 9

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

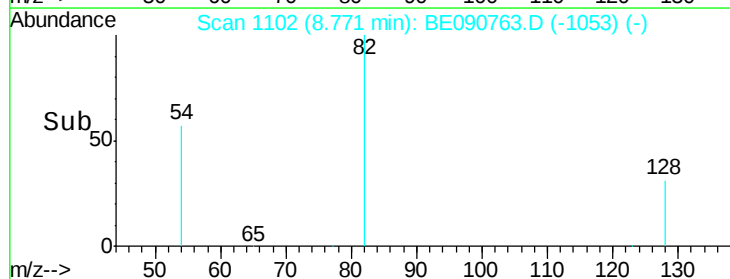
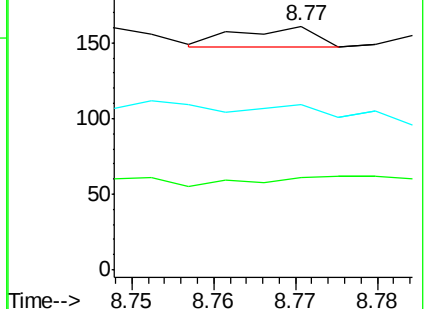
65 0.0 9.9 14.9#

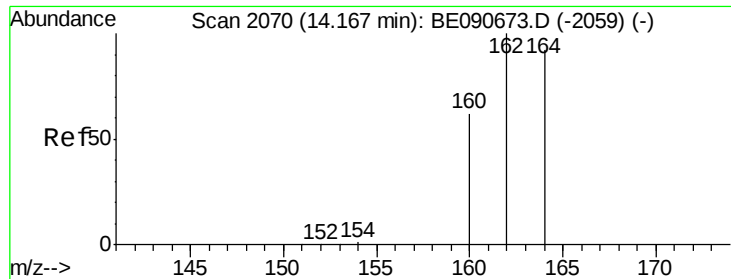


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090763.D

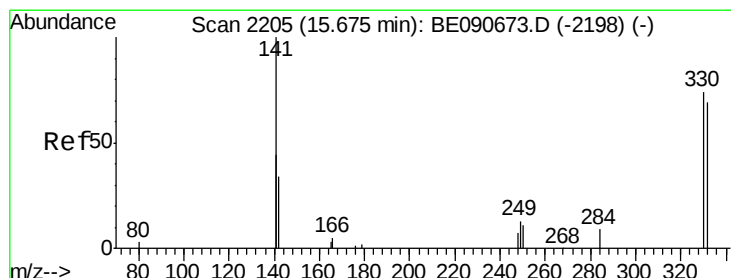
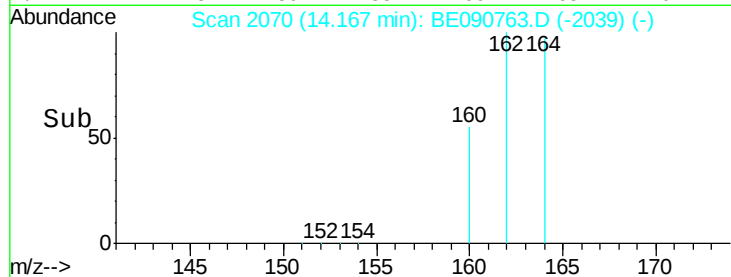
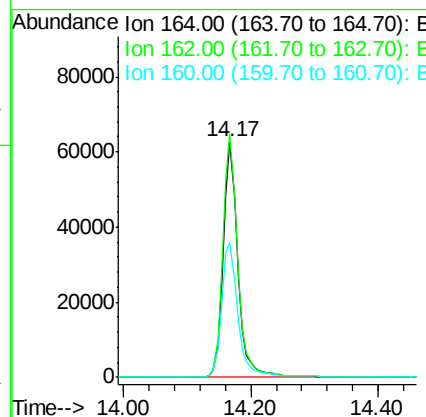
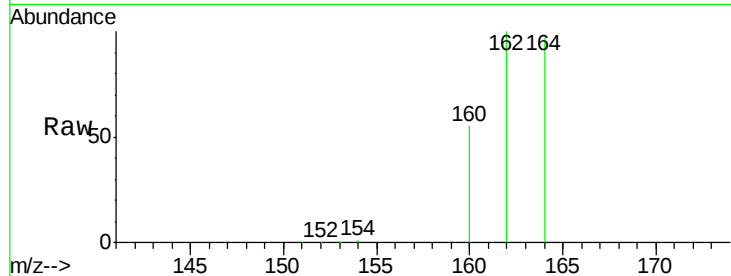
Acq: 10 Sep 2015 16:16

Instrument :  
BNA\_E

ClientSampleId :  
090515-D534-F-U-S

Tot Ion:164 Resp: 99858

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.6 | 86.8  | 130.2 |
| 160 | 57.5  | 53.9  | 80.9  |



#13

2,4,6-Tribromophenol

Concen: 7.56 ng

RT: 15.68 min Scan# 2205

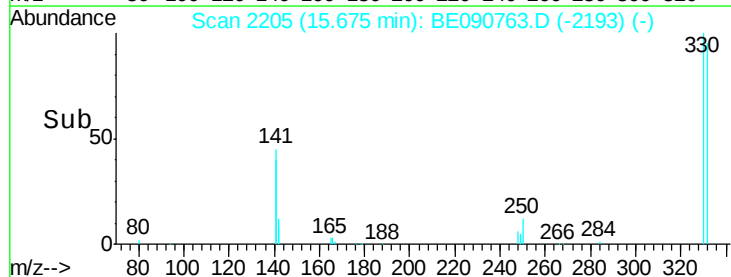
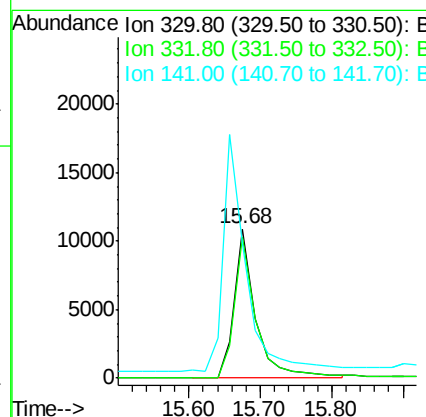
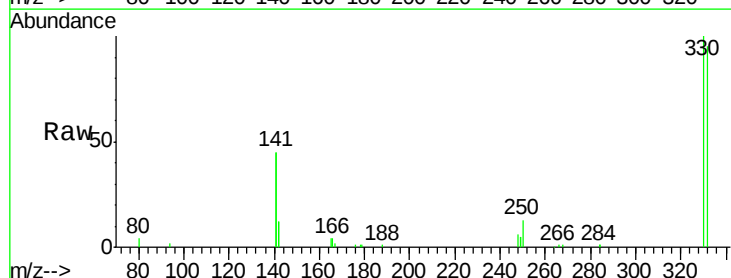
Delta R.T. 0.00 min

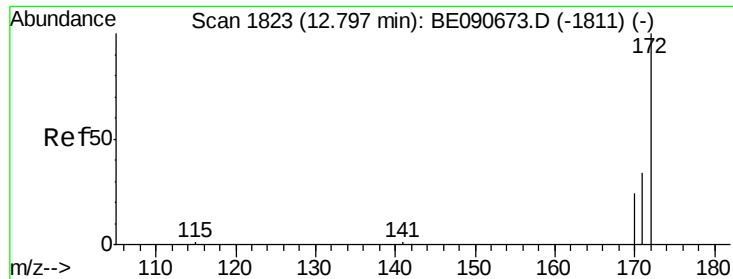
Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Tgt Ion:330 Resp: 22141

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.2  | 74.9  | 112.3 |
| 141 | 174.8 | 145.2 | 217.8 |

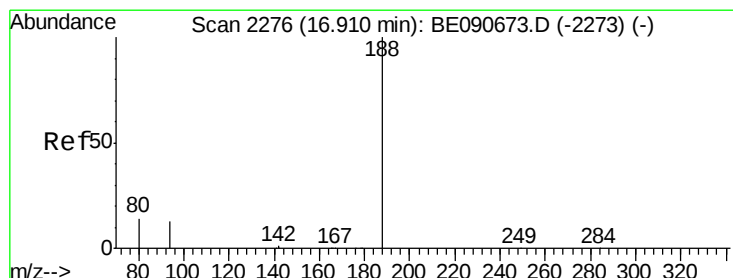
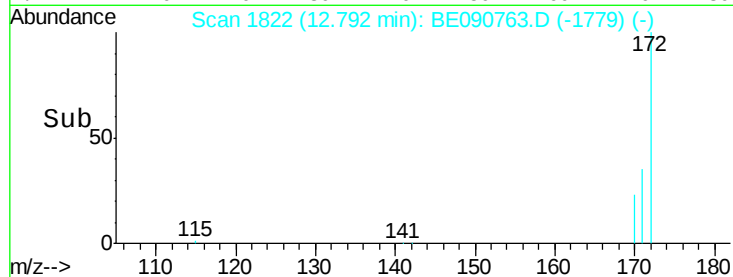
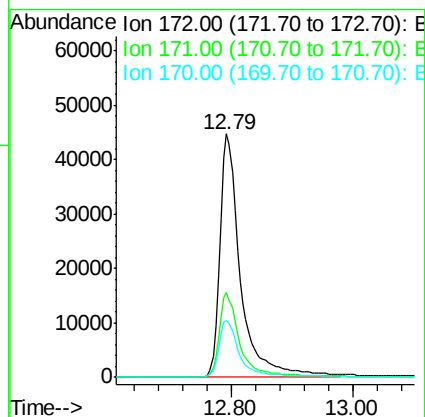
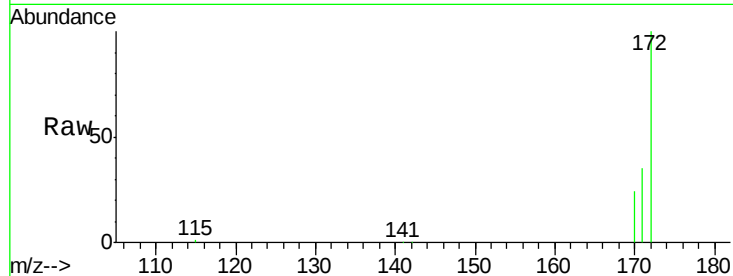




#14  
2-Fluorobiphenyl  
Concen: 3.83 ng  
RT: 12.79 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: BE090763.D  
Acq: 10 Sep 2015 16:16

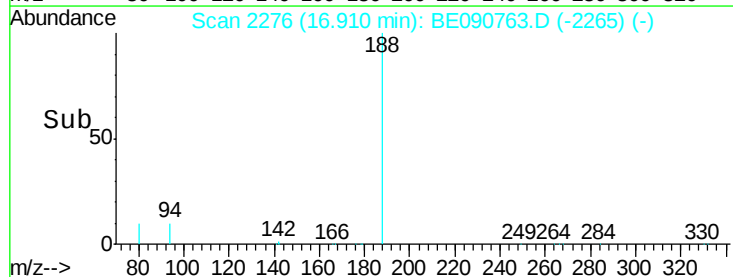
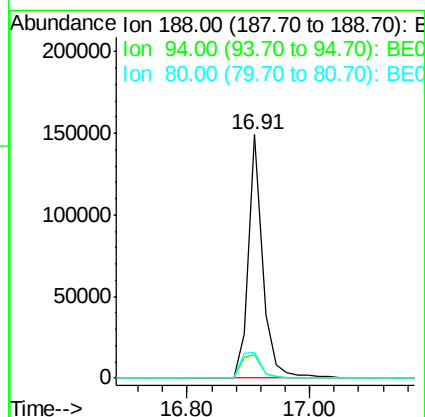
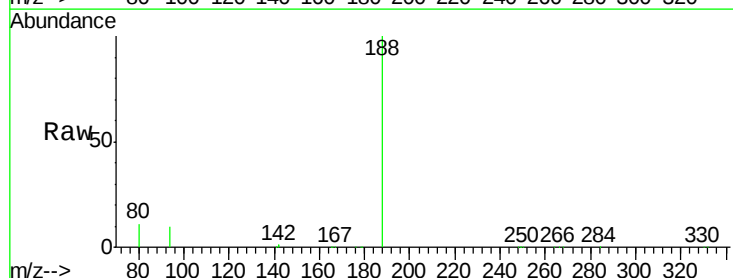
Instrument :  
BNA\_E  
ClientSampleId :  
090515-D534-F-U-S

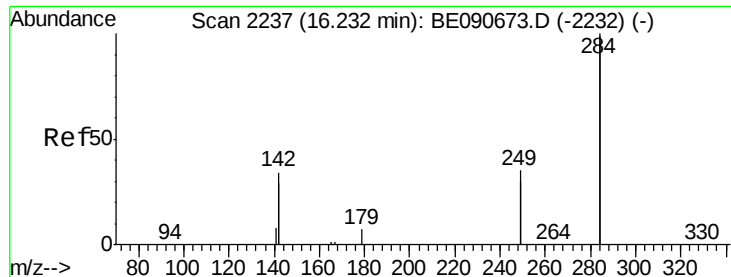
Tot Ion:172 Resp: 105888  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.8 41.8  
170 23.5 19.8 29.6



#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.91 min Scan# 2276  
Delta R.T. 0.00 min  
Lab File: BE090763.D  
Acq: 10 Sep 2015 16:16

Tgt Ion:188 Resp: 243163  
Ion Ratio Lower Upper  
188 100  
94 9.7 10.3 15.5#  
80 10.5 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Instrument :

BNA\_E

ClientSampleId :

090515-D534-F-U-S

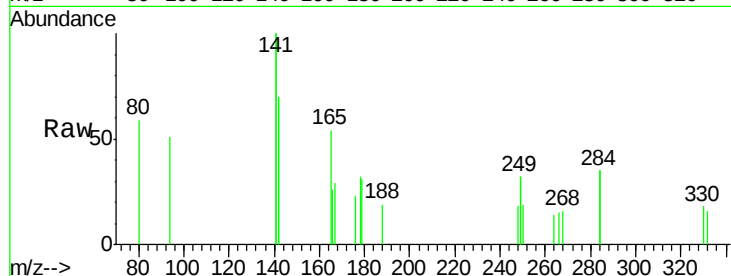
Tot Ion:284 Resp: 109

Ion Ratio Lower Upper

284 100

142 128.4 35.0 52.4#

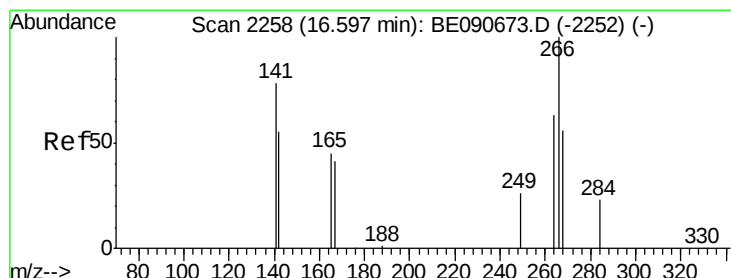
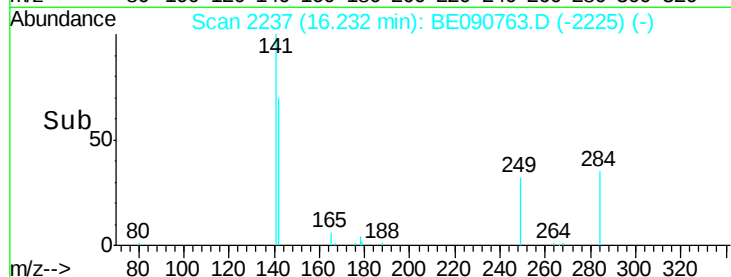
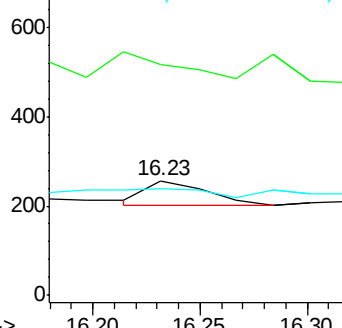
249 63.3 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.46 ng

RT: 16.58 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

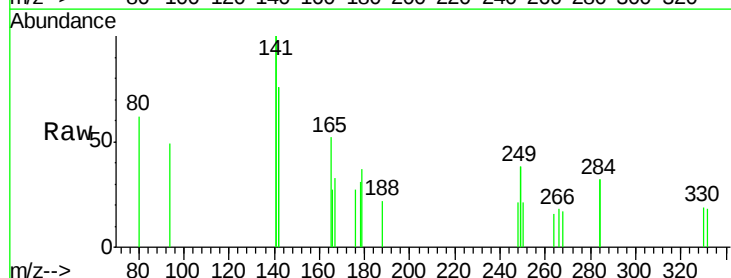
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

268 96.4 49.6 74.4#

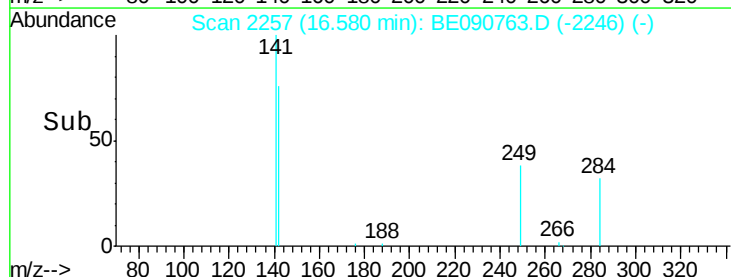
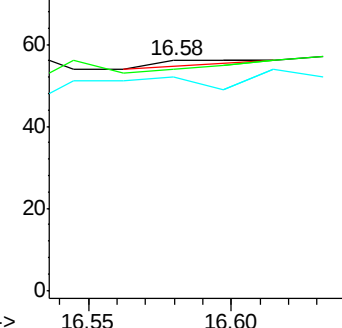
264 92.9 53.9 80.9#

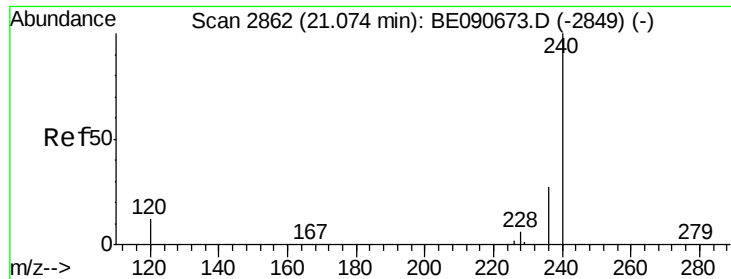


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrvsene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Instrument :

BNA\_E

ClientSampleId :

090515-D534-F-U-S

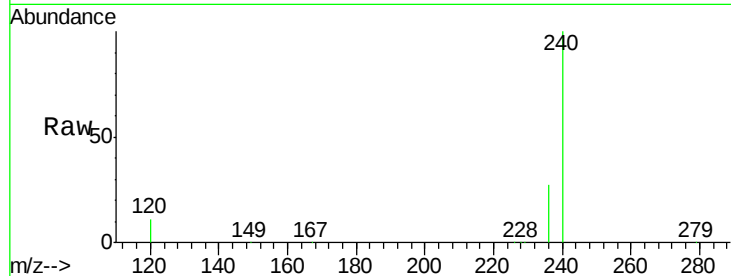
Tot Ion:240 Resp: 299815

Ion Ratio Lower Upper

240 100

120 10.8 10.1 15.1

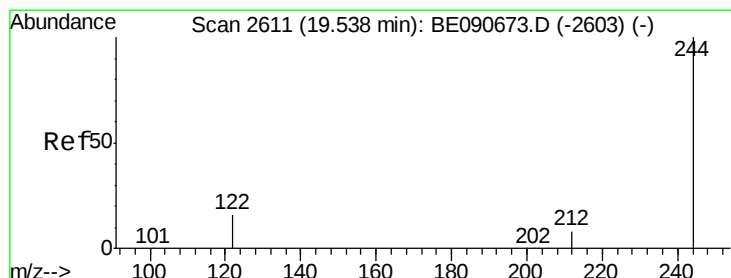
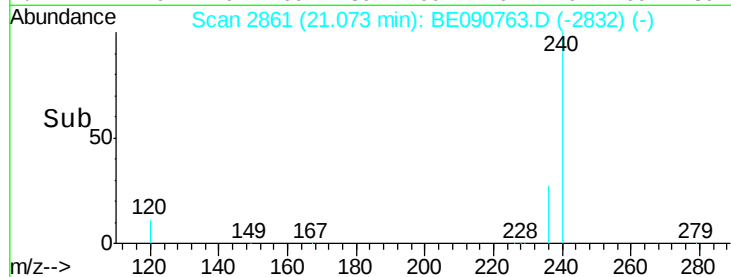
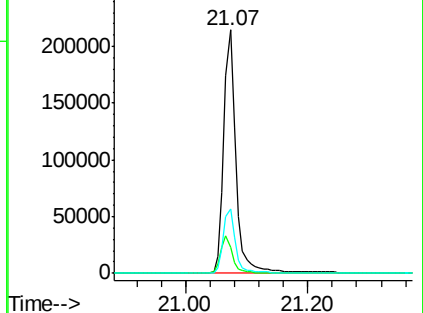
236 26.5 21.9 32.9



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



#27

Terphenyl-d14

Concen: 5.60 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

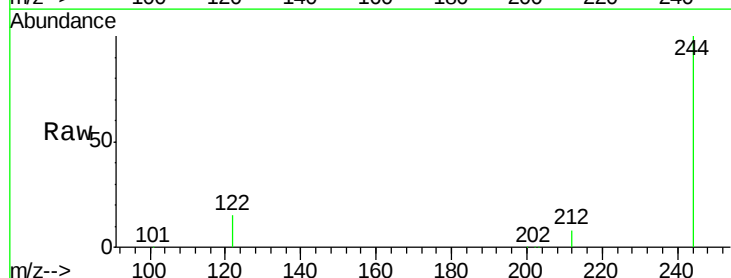
Tgt Ion:244 Resp: 185831

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

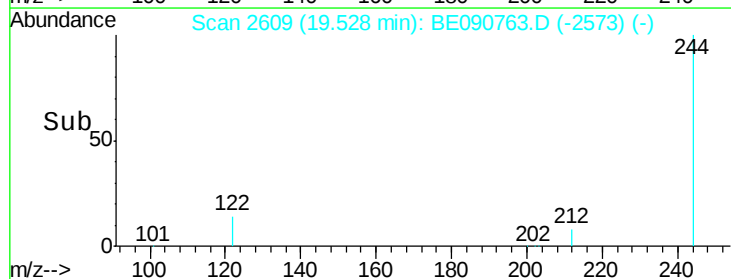
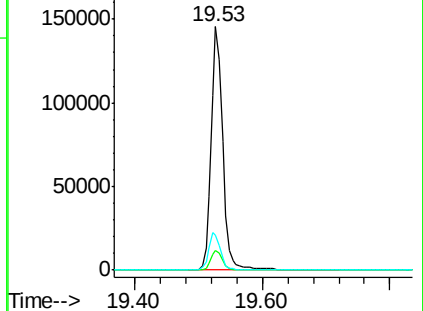
122 14.6 12.9 19.3

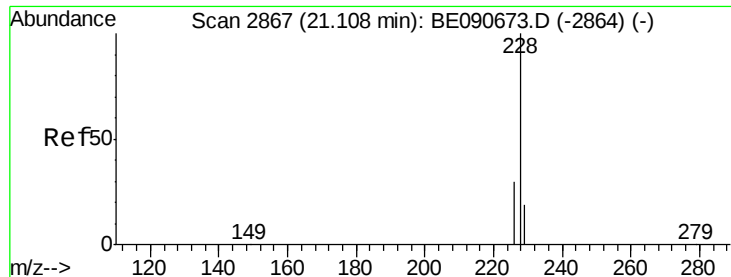


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2866

Delta R.T. -0.00 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

Instrument :

BNA\_E

ClientSampleId :

090515-D534-F-U-S

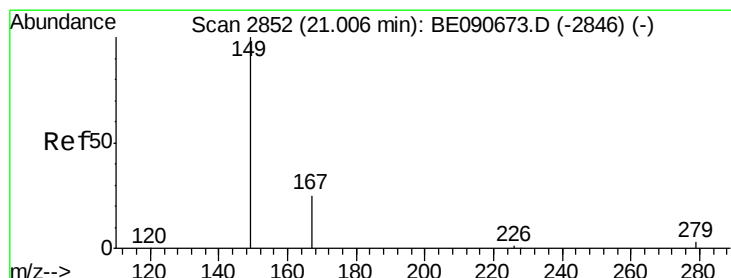
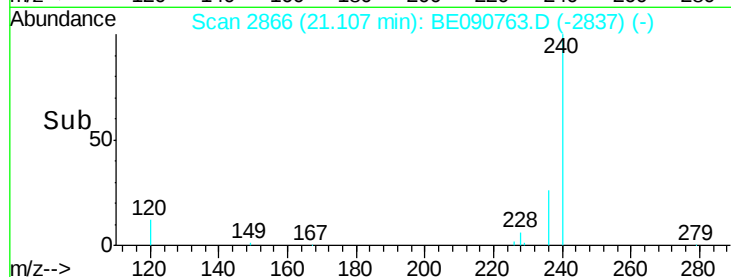
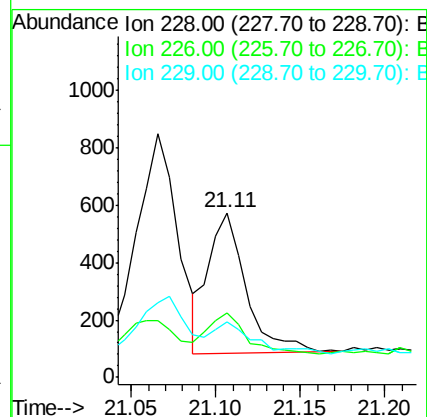
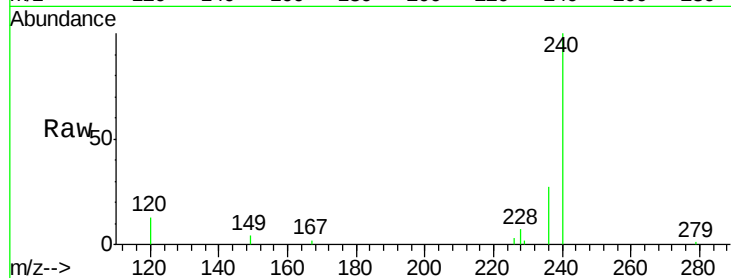
Tot Ion:228 Resp: 758

Ion Ratio Lower Upper

228 100

226 39.4 24.2 36.4#

229 34.0 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090763.D

Acq: 10 Sep 2015 16:16

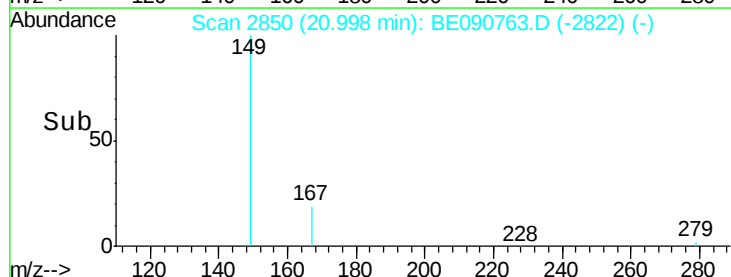
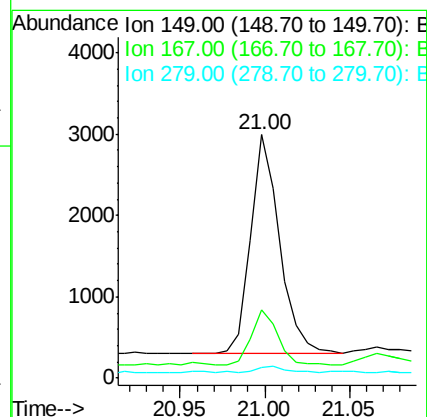
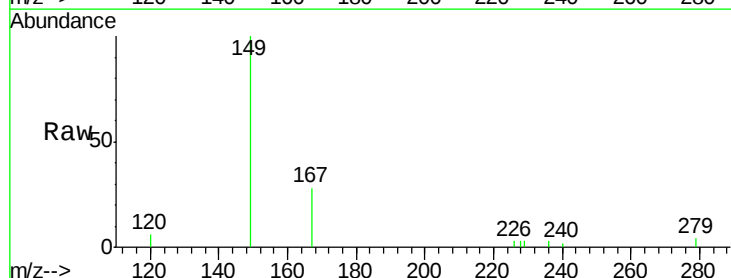
Tgt Ion:149 Resp: 3160

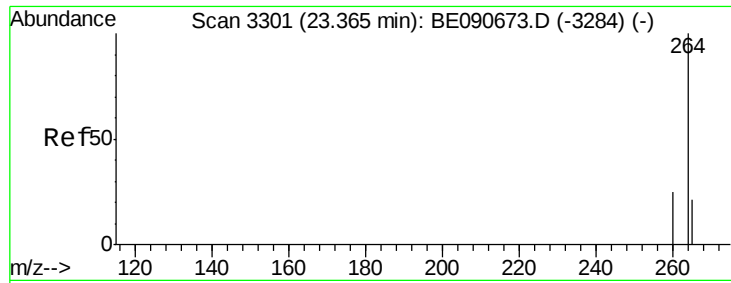
Ion Ratio Lower Upper

149 100

167 23.6 20.1 30.1

279 3.7 2.3 3.5#

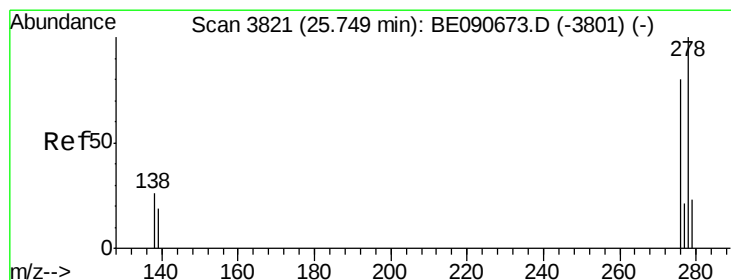
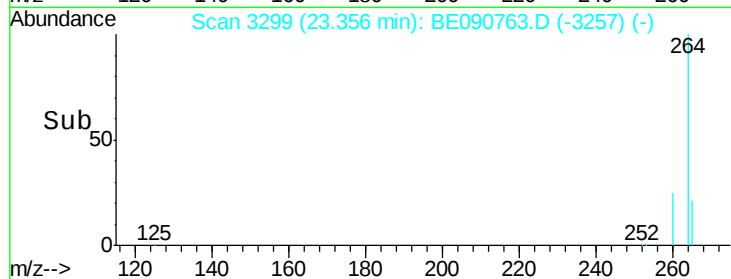
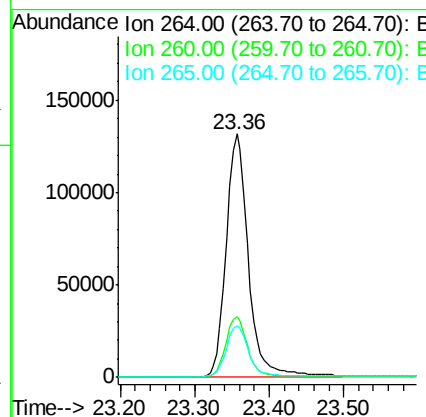
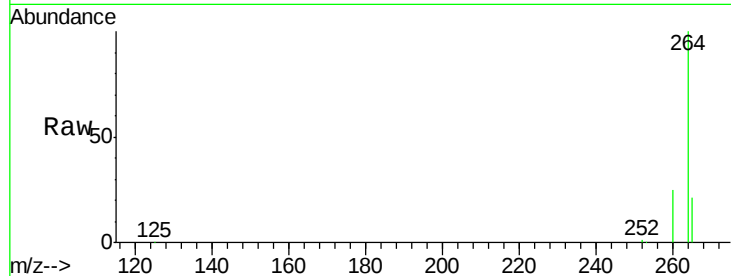




#32  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.36 min Scan# 3299  
Delta R.T. -0.01 min  
Lab File: BE090763.D  
Acq: 10 Sep 2015 16:16

Instrument :  
BNA\_E  
ClientSampleId :  
090515-D534-F-U-S

Tot Ion:264 Resp: 273782  
Ion Ratio Lower Upper  
264 100  
260 24.8 19.7 29.5  
265 21.4 17.5 26.3



#36  
Dibenzo(a,h)anthracene  
Concen: 0.14 ng  
RT: 25.75 min Scan# 3822  
Delta R.T. 0.01 min  
Lab File: BE090763.D  
Acq: 10 Sep 2015 16:16

Tgt Ion:278 Resp: 135  
Ion Ratio Lower Upper  
278 100  
139 112.8 15.4 23.0#  
279 93.6 18.8 28.2#

