

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080315\  
 Data File : BE090330.D  
 Acq On : 4 Aug 2015 3:50  
 Operator : TP/UM  
 Sample : PB84826BL  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84826BL

Quant Time: Aug 04 07:41:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 04 02:31:31 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 81       | 5.00 | ng    | 0.01     |
| 6) Naphthalene-d8         | 10.37 | 136  | 251      | 5.00 | ng    | 0.01     |
| 12) Acenaphthene-d10      | 14.22 | 164  | 87       | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.98 | 188  | 150      | 5.00 | ng    | 0.03     |
| 25) Chrysene-d12          | 21.13 | 240  | 660      | 5.00 | ng    | 0.01     |
| 32) Perylene-d12          | 23.43 | 264  | 893      | 5.00 | ng    | 0.00     |

|                             |       |     |    |      |    |      |
|-----------------------------|-------|-----|----|------|----|------|
| System Monitoring Compounds |       |     |    |      |    |      |
| 4) 2-Fluorophenol           | 5.24  | 112 | 92 | 5.94 | ng | 0.01 |
| 5) Phenol-d6                | 6.81  | 99  | 19 | 1.00 | ng | 0.02 |
| 7) Nitrobenzene-d5          | 8.75  | 82  | 4  | 0.27 | ng | 0.01 |
| 13) 2,4,6-Tribromophenol    | 15.76 | 330 | 2  | 1.78 | ng | 0.03 |
| 14) 2-Fluorobiphenyl        | 12.86 | 172 | 78 | 3.09 | ng | 0.03 |
| 27) Terphenyl-d14           | 19.59 | 244 | 81 | 0.66 | ng | 0.01 |

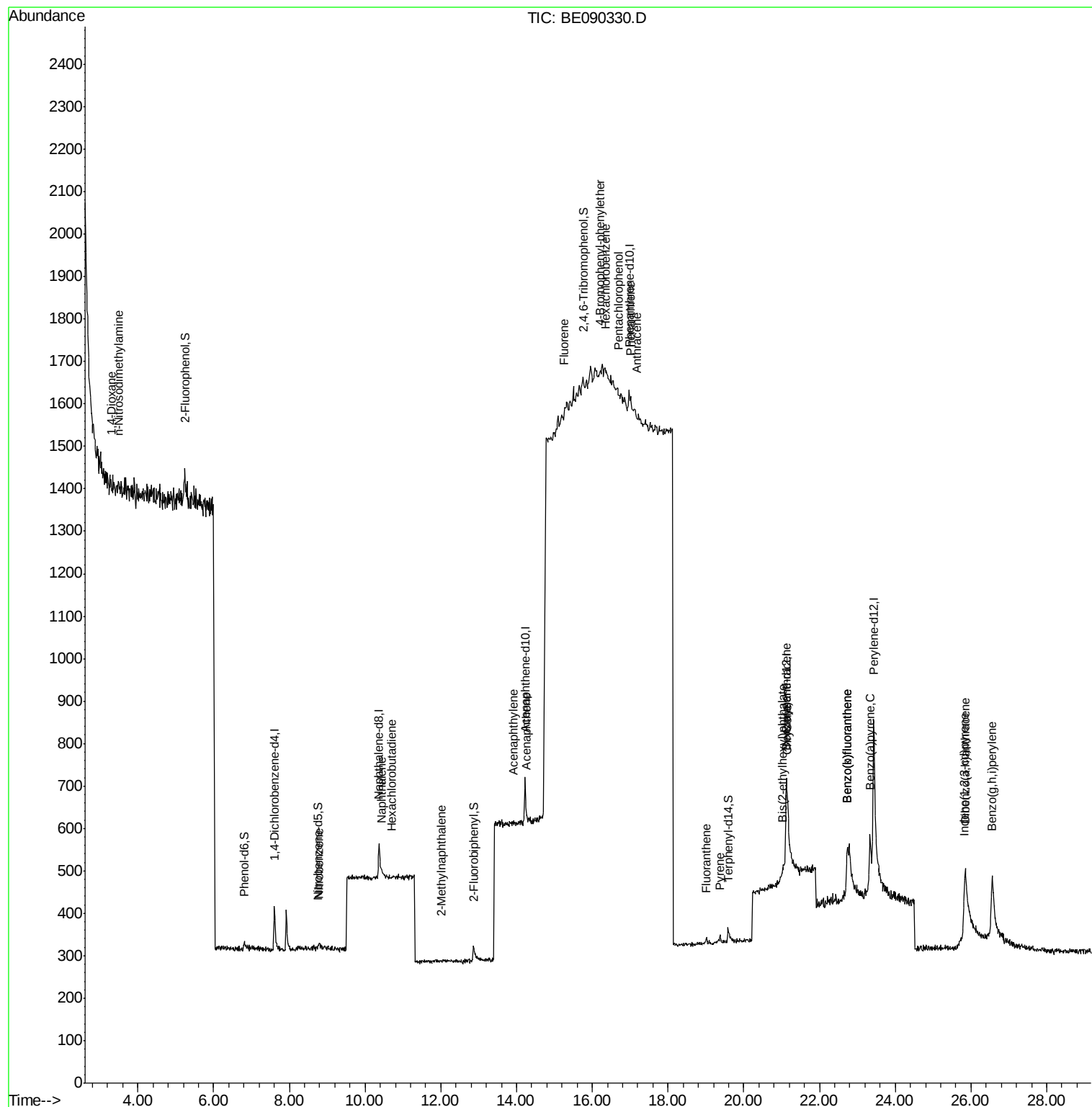
|                                |       |     |     |      |    |        |
|--------------------------------|-------|-----|-----|------|----|--------|
| Target Compounds               |       |     |     |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.29  | 88  | 13  | 1.21 | ng | # 36   |
| 3) n-Nitrosodimethylamine      | 3.49  | 42  | 3   | 0.22 | ng | # 91   |
| 8) Nitrobenzene                | 8.79  | 77  | 1   | 0.07 | ng | # 1    |
| 9) Naphthalene                 | 10.43 | 128 | 3   | 0.06 | ng | # 1    |
| 10) Hexachlorobutadiene        | 10.70 | 225 | 2   | 0.28 | ng | # 51   |
| 11) 2-Methylnaphthalene        | 12.02 | 142 | 2   | 0.06 | ng | # 63   |
| 15) Acenaphthylene             | 13.92 | 152 | 16  | 0.11 | ng | # 60   |
| 16) Acenaphthene               | 14.26 | 154 | 5   | 0.23 | ng | # 1    |
| 17) Fluorene                   | 15.26 | 166 | 13  | 0.49 | ng | # 1    |
| 19) 4-Bromophenyl-phenylether  | 16.21 | 248 | 3   | 0.53 | ng | # 1    |
| 20) Hexachlorobenzene          | 16.35 | 284 | 10  | 0.47 | ng | # 40   |
| 21) Pentachlorophenol          | 16.70 | 266 | 7   | 4.83 | ng | # 84   |
| 22) Phenanthrene               | 17.00 | 178 | 38  | 1.11 | ng | # 51   |
| 23) Anthracene                 | 17.17 | 178 | 2   | 0.07 | ng | # 1    |
| 24) Fluoranthene               | 19.00 | 202 | 13  | 0.38 | ng | # 65   |
| 26) Pyrene                     | 19.37 | 202 | 32  | 0.18 | ng | # 83   |
| 28) Benzo(a)anthracene         | 21.11 | 228 | 104 | 0.83 | ng | # 25   |
| 29) Chrysene                   | 21.16 | 228 | 157 | 1.00 | ng | # 40   |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 5   | 0.26 | ng | # 60   |
| 31) Indeno(1,2,3-cd)pyrene     | 25.82 | 276 | 176 | 2.31 | ng | # 65   |
| 33) Benzo(b)fluoranthene       | 22.73 | 252 | 165 | 1.24 | ng | # 29   |
| 34) Benzo(k)fluoranthene       | 22.73 | 252 | 188 | 0.78 | ng | # 24   |
| 35) Benzo(a)pyrene             | 23.33 | 252 | 296 | 2.05 | ng | # 41   |
| 36) Dibenzo(a,h)anthracene     | 25.85 | 278 | 118 | 1.52 | ng | # 62   |
| 37) Benzo(g,h,i)perylene       | 26.56 | 276 | 517 | 3.21 | ng | # 75   |

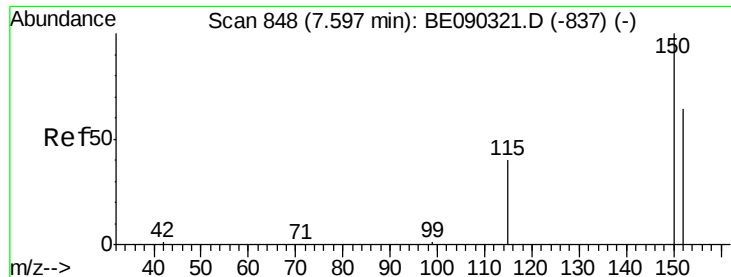
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080315\  
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Sample : PB84826BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
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Quant Time: Aug 04 07:41:44 2015  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 04 02:31:31 2015  
Response via : Initial Calibration

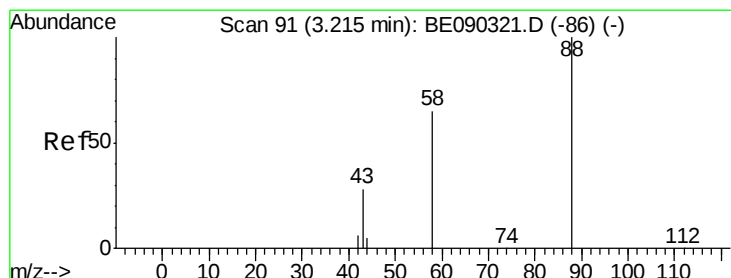
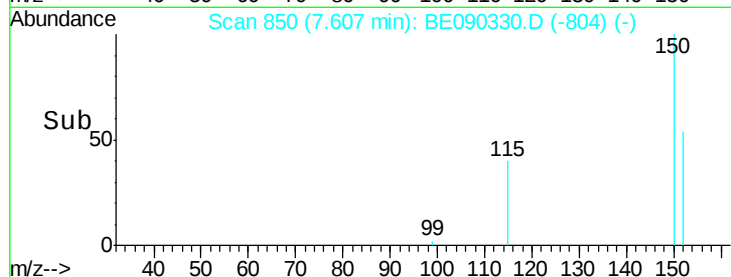
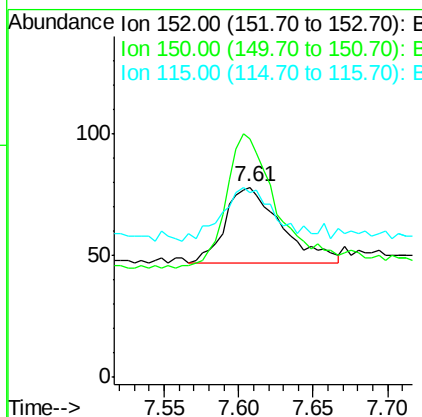
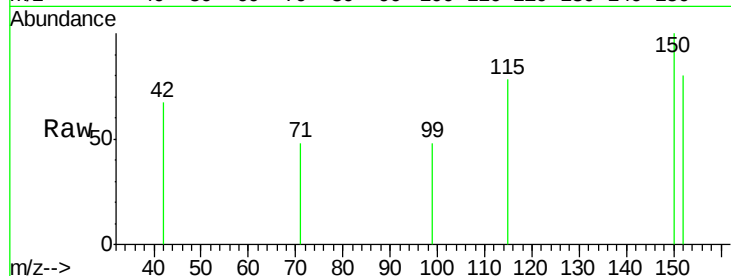




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.61 min Scan# 850  
 Delta R.T. 0.01 min  
 Lab File: BE090330.D  
 Acq: 4 Aug 2015 3:50

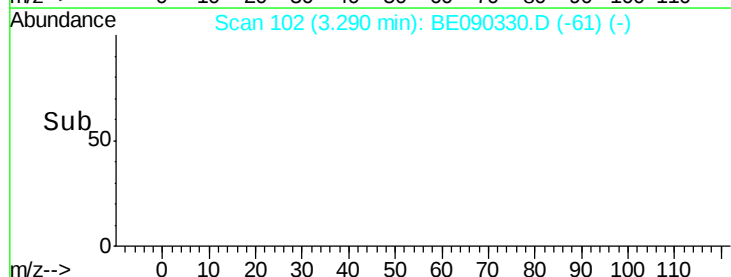
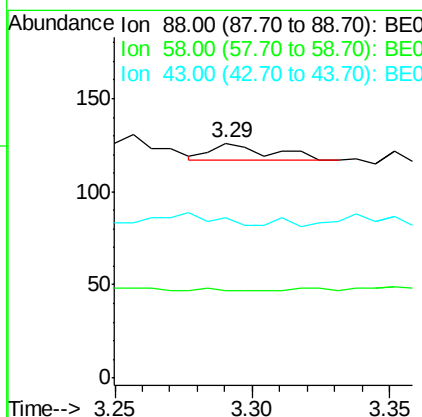
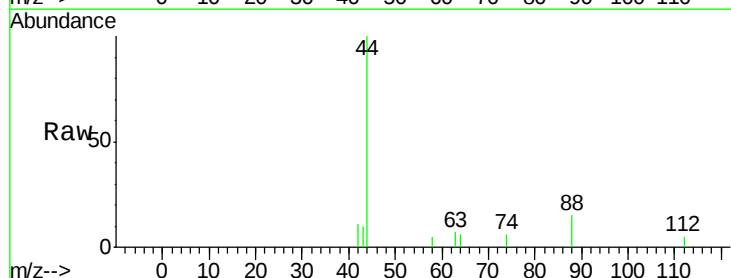
Instrument :  
 BNA\_E  
 ClientSampleID :  
 PB84826BL

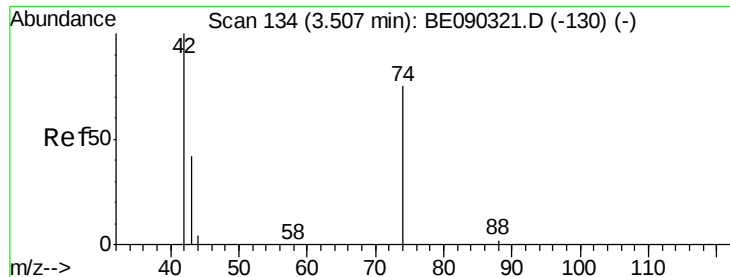
Tgt Ion: 152 Resp: 81  
 Ion Ratio Lower Upper  
 152 100  
 150 125.6 124.2 186.2  
 115 97.4 50.4 75.6#



#2  
 1,4-Dioxane  
 Concen: 1.21 ng  
 RT: 3.29 min Scan# 102  
 Delta R.T. 0.08 min  
 Lab File: BE090330.D  
 Acq: 4 Aug 2015 3:50

Tgt Ion: 88 Resp: 13  
 Ion Ratio Lower Upper  
 88 100  
 58 15.4 50.2 75.2#  
 43 69.2 25.0 37.6#





#3

n-Nitrosodimethylamine

Concen: 0.22 ng

RT: 3.49 min Scan# 132

Delta R.T. -0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

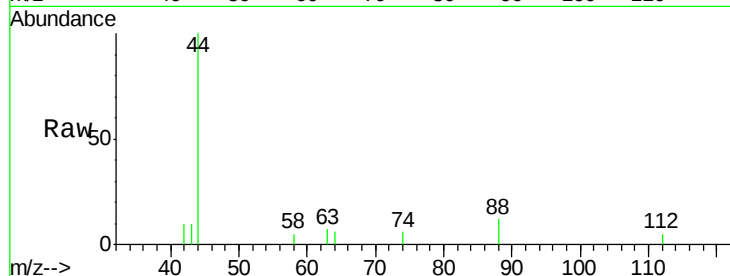
Instrument :

BNA\_E

ClientSampleId :

PB84826BL

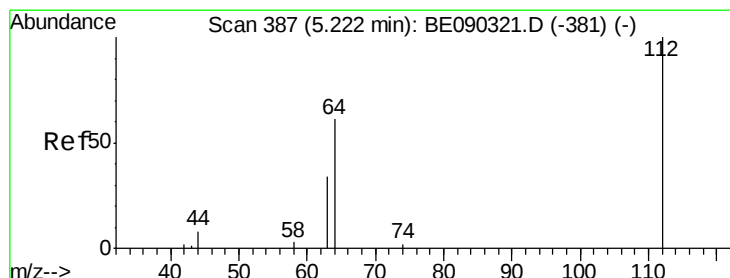
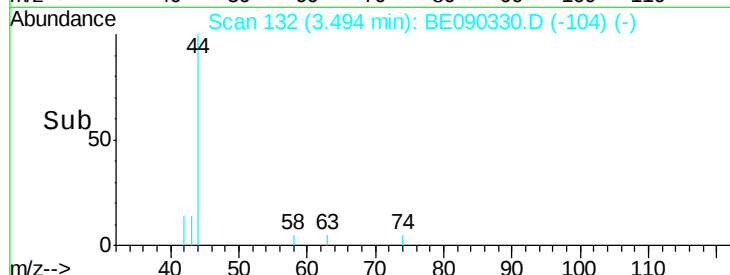
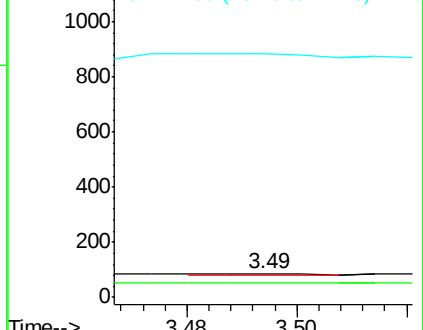
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3     |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 100.0 | 73.2  | 109.8 |
| 44       | 0.0   | 3.8   | 5.6#  |



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: 5.94 ng

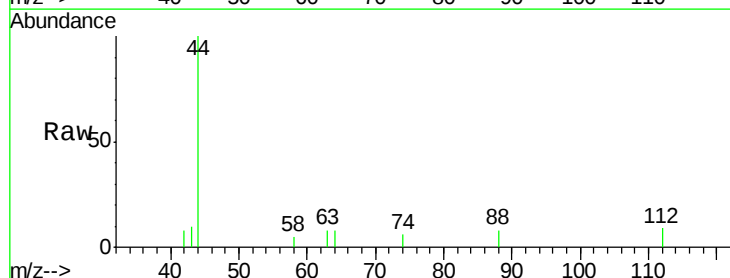
RT: 5.24 min Scan# 389

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

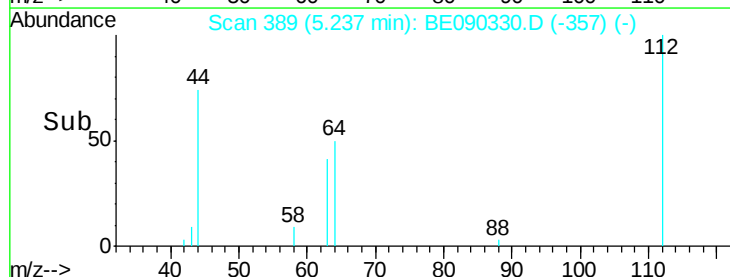
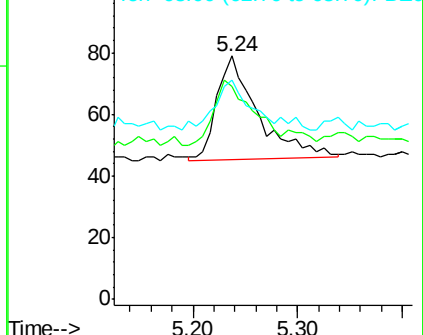
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 92    |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 58.7  | 49.0  | 73.4  |
| 63       | 33.7  | 27.7  | 41.5  |

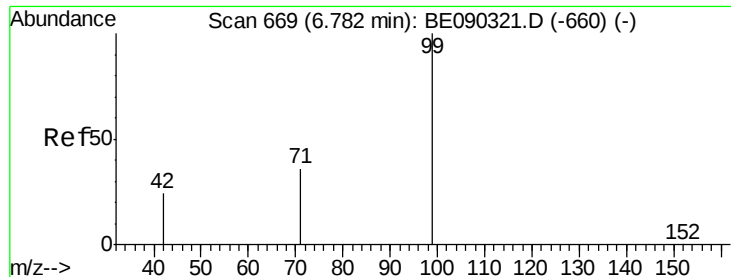


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.00 ng

RT: 6.81 min Scan# 674

Delta R.T. 0.02 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

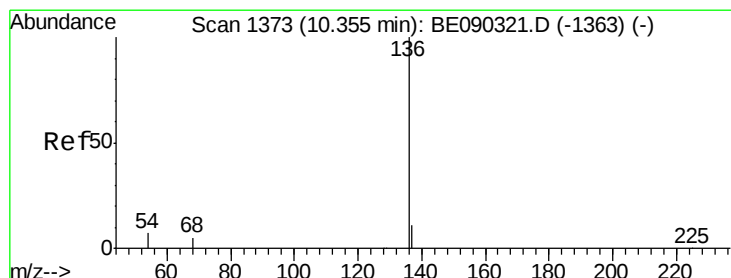
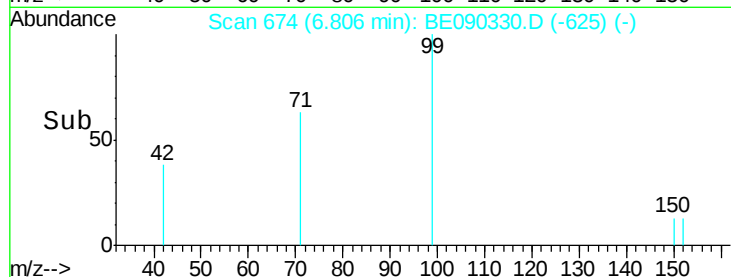
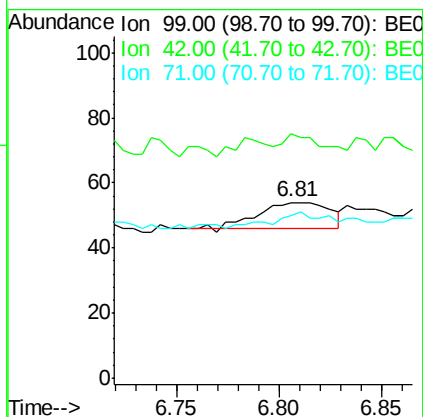
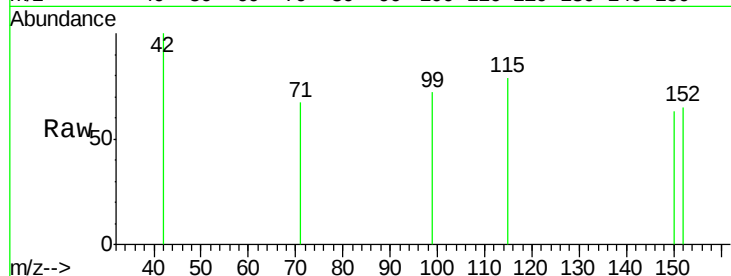
Tgt Ion: 99 Resp: 19

Ion Ratio Lower Upper

99 100

42 26.3 22.2 33.2

71 57.9 29.2 43.8#



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Tgt Ion: 136 Resp: 251

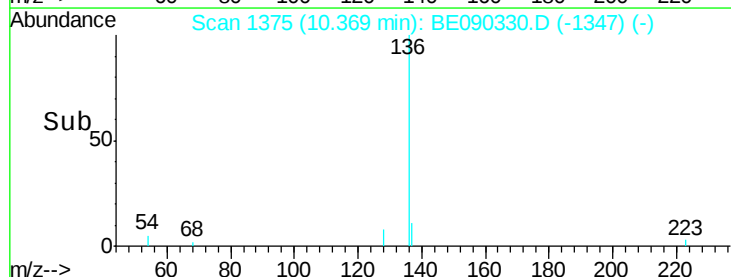
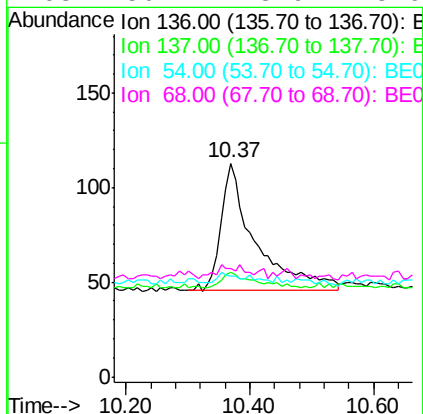
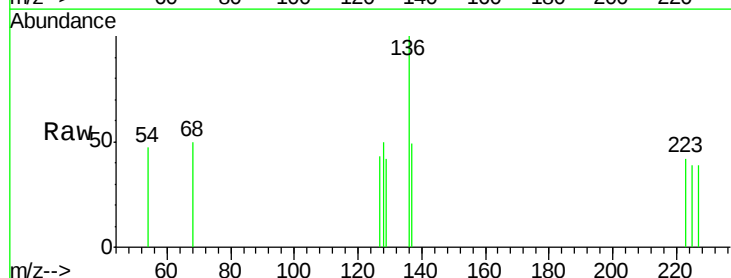
Ion Ratio Lower Upper

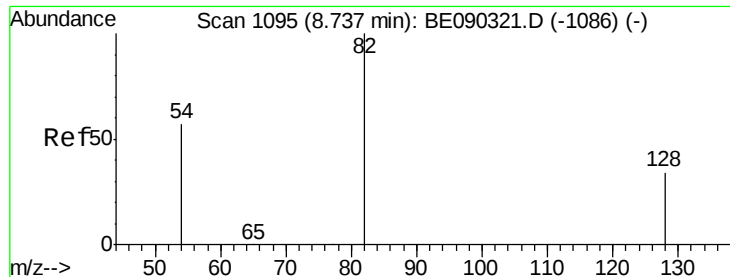
136 100

137 48.7 8.9 13.3#

54 46.9 6.0 9.0#

68 50.4 3.9 5.9#





#7

Nitrobenzene-d5

Concen: 0.27 ng

RT: 8.75 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

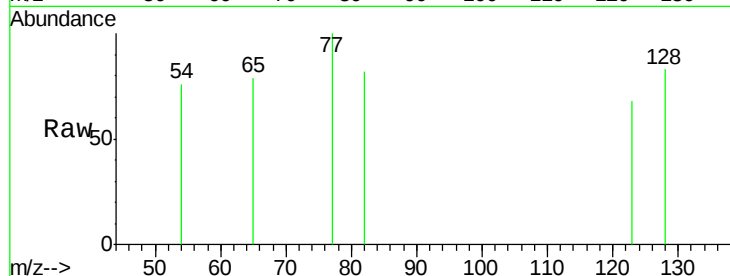
Tgt Ion: 82 Resp: 4

Ion Ratio Lower Upper

82 100

128 101.9 30.8 46.2#

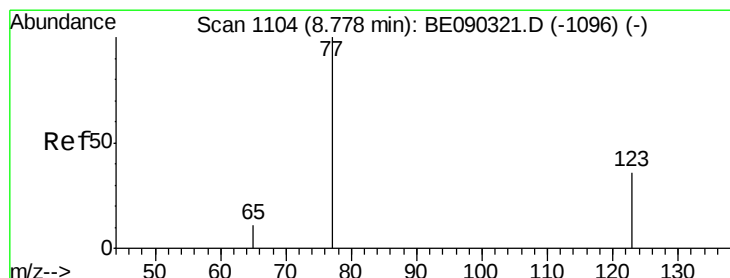
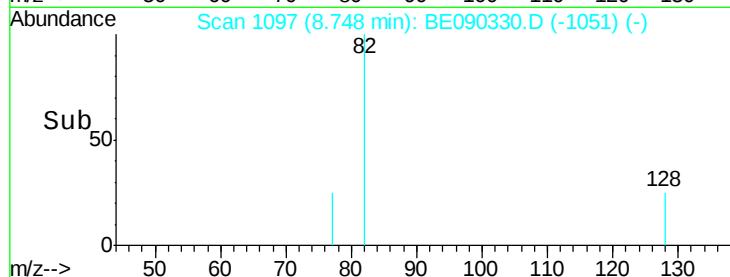
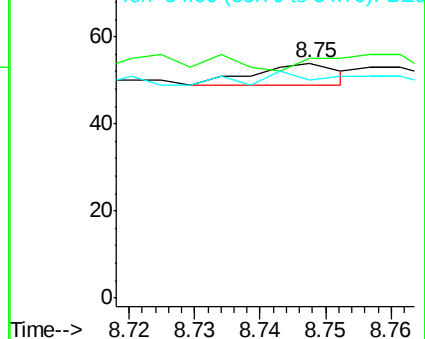
54 92.6 47.5 71.3#



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: 0.07 ng

RT: 8.79 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

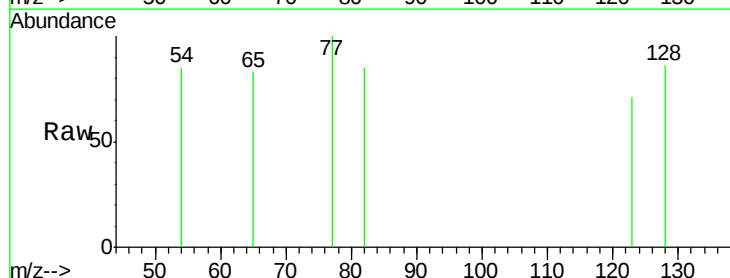
Tgt Ion: 77 Resp: 1

Ion Ratio Lower Upper

77 100

123 200.0 29.6 44.4#

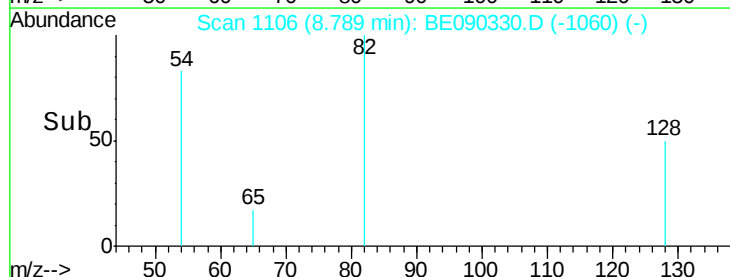
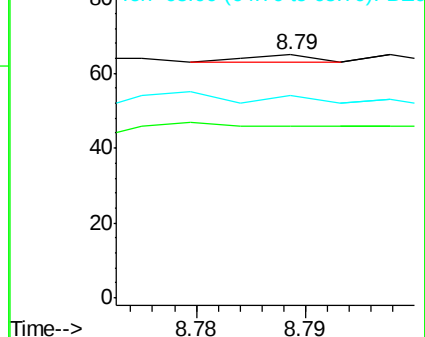
65 0.0 10.4 15.6#



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





#9

Naphthalene

Concen: 0.06 ng

RT: 10.43 min Scan# 1383

Delta R.T. 0.03 min

Lab File: BE090330.D

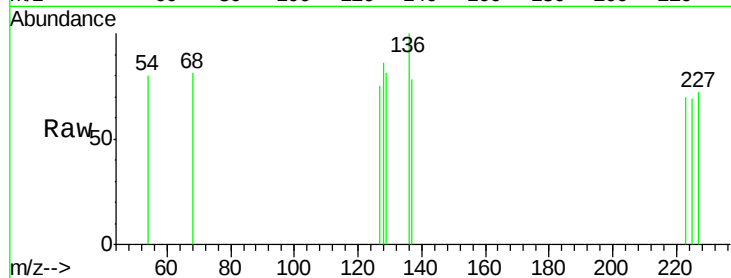
Acq: 4 Aug 2015 3:50

Instrument :

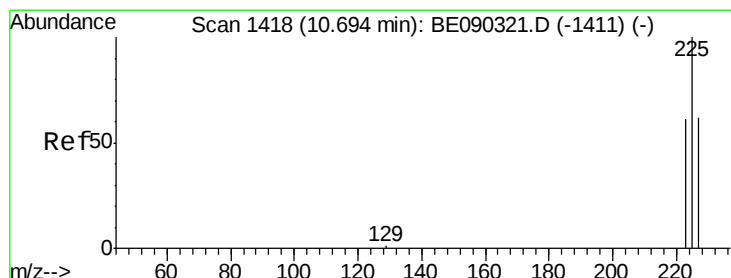
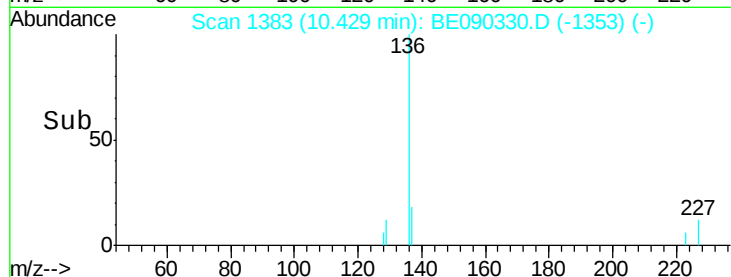
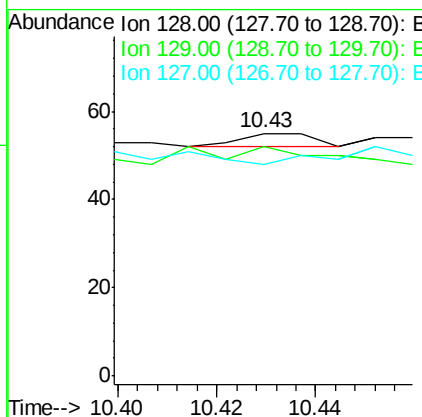
BNA\_E

ClientSampleId :

PB84826BL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3     |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 94.5  | 10.1  | 15.1# |
| 127      | 87.3  | 11.3  | 16.9# |



#10

Hexachlorobutadiene

Concen: 0.28 ng

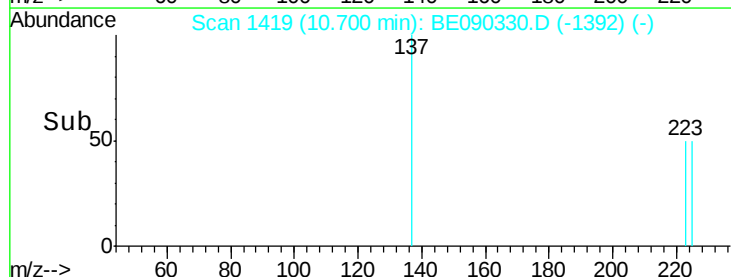
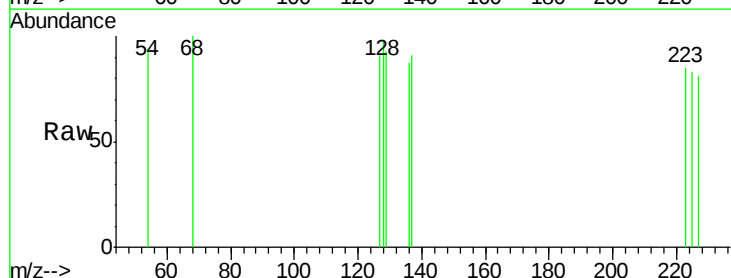
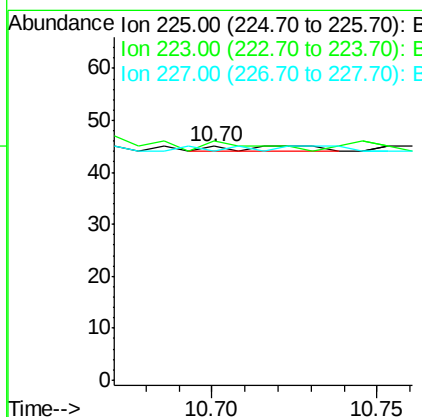
RT: 10.70 min Scan# 1419

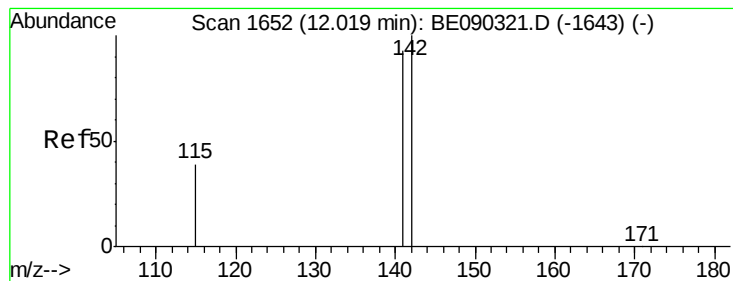
Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 2     |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 100.0 | 50.4  | 75.6# |
| 227      | 100.0 | 49.6  | 74.4# |





#11

2-Methylnaphthalene

Concen: 0.06 ng

RT: 12.02 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

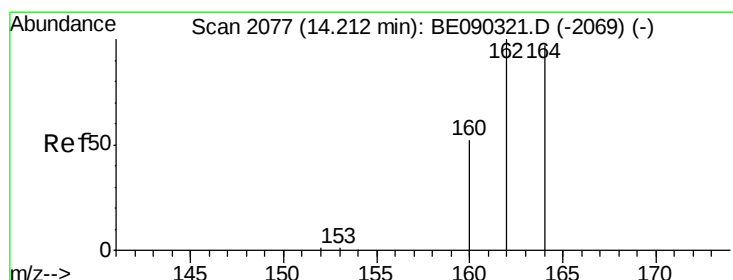
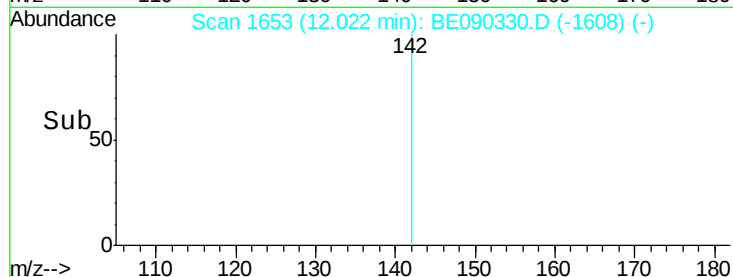
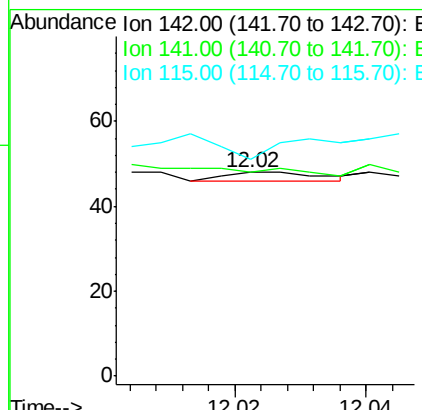
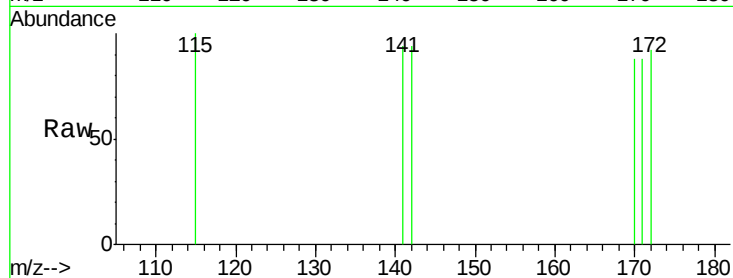
BNA\_E

ClientSampleId :

PB84826BL

Tgt Ion:142 Resp: 2

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 100.0 | 74.6  | 112.0 |
| 115 | 106.3 | 32.6  | 49.0# |



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2078

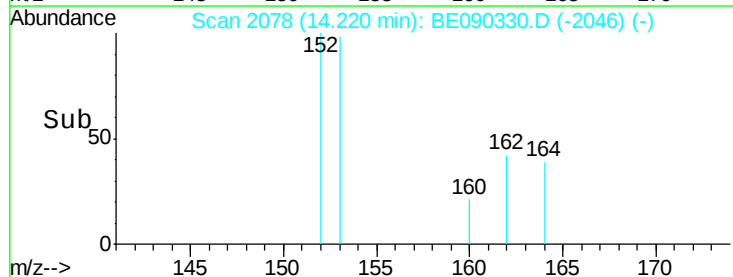
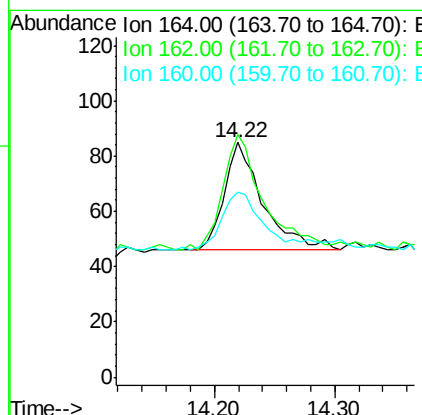
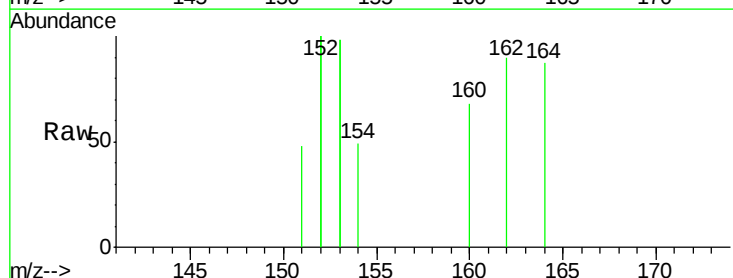
Delta R.T. 0.01 min

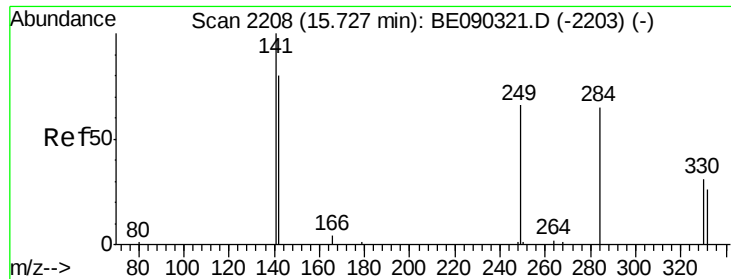
Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Tgt Ion:164 Resp: 87

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.5 | 82.7  | 124.1 |
| 160 | 78.8  | 43.0  | 64.6# |

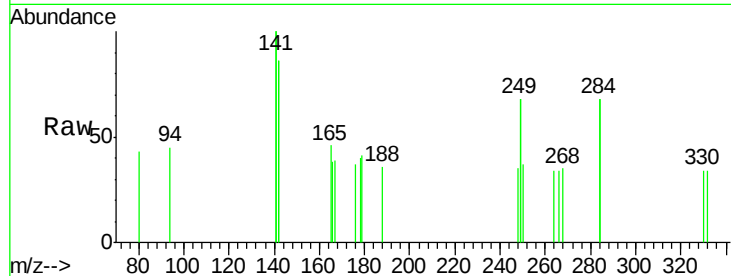




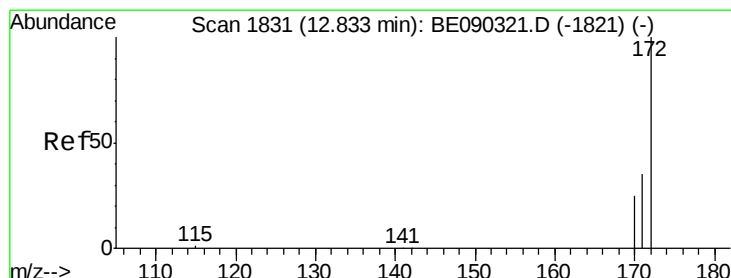
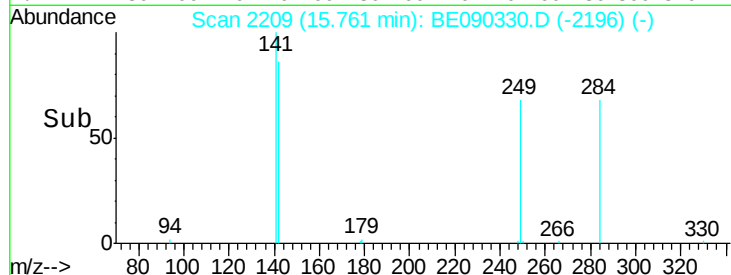
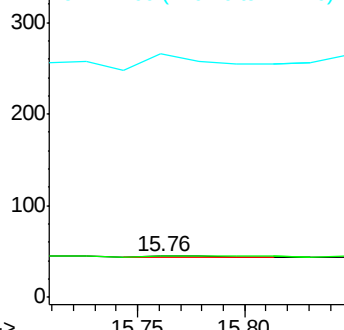
#13  
 2,4,6-Tribromophenol  
 Concen: 1.78 ng  
 RT: 15.76 min Scan# 2209  
 Delta R.T. 0.03 min  
 Lab File: BE090330.D  
 Acq: 4 Aug 2015 3:50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84826BL

Tgt Ion:330 Resp: 2  
 Ion Ratio Lower Upper  
 330 100  
 332 250.0 79.4 119.0#  
 141 5850.0 245.9 368.9#

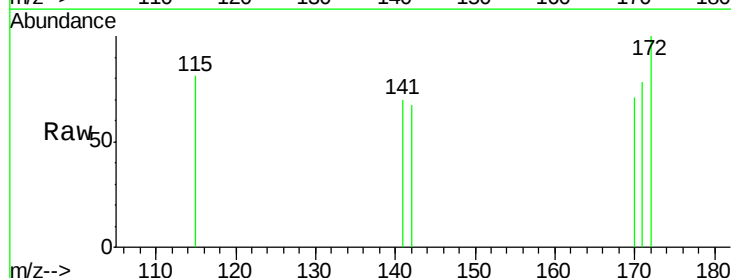


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

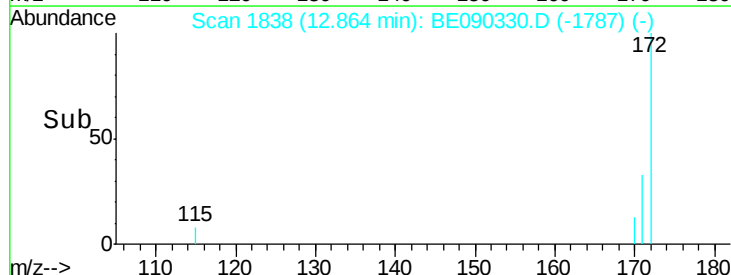
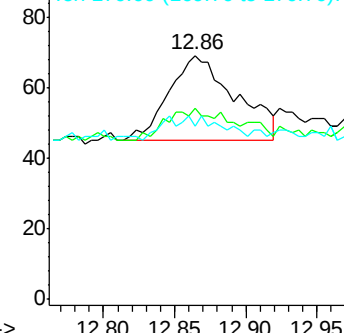


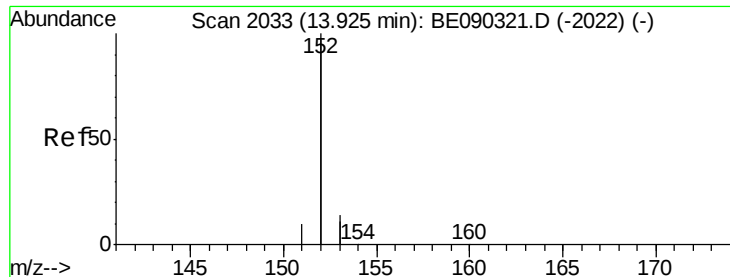
#14  
 2-Fluorobiphenyl  
 Concen: 3.09 ng  
 RT: 12.86 min Scan# 1838  
 Delta R.T. 0.03 min  
 Lab File: BE090330.D  
 Acq: 4 Aug 2015 3:50

Tgt Ion:172 Resp: 78  
 Ion Ratio Lower Upper  
 172 100  
 171 78.3 29.5 44.3#  
 170 71.0 21.3 31.9#



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





#15

Acenaphthylene

Concen: 0.11 ng

RT: 13.92 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

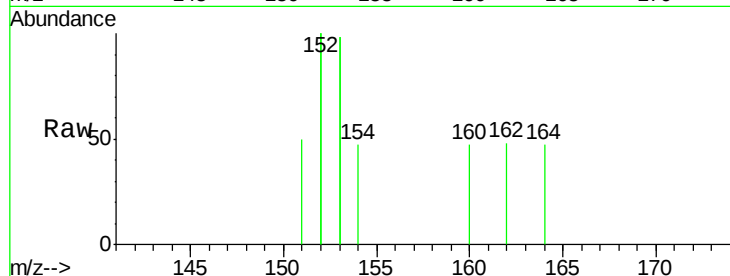
Tgt Ion:152 Resp: 16

Ion Ratio Lower Upper

152 100

151 25.0 4.0 6.0#

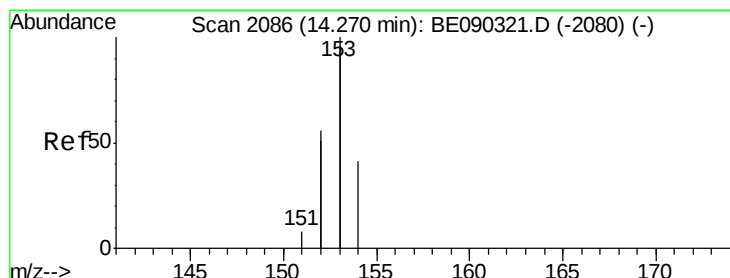
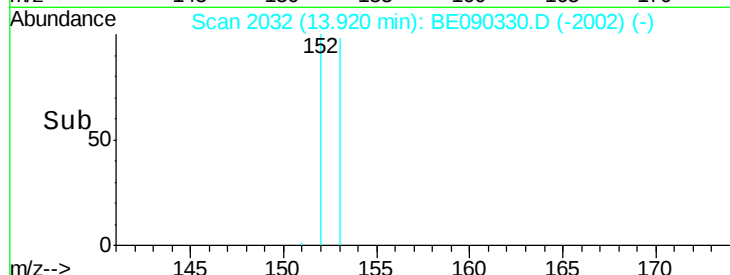
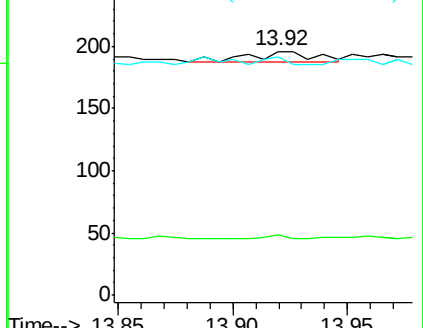
153 0.0 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.23 ng

RT: 14.26 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

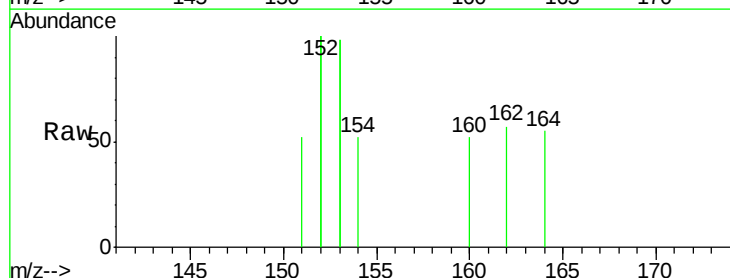
Tgt Ion:154 Resp: 5

Ion Ratio Lower Upper

154 100

153 200.0 378.0 567.0#

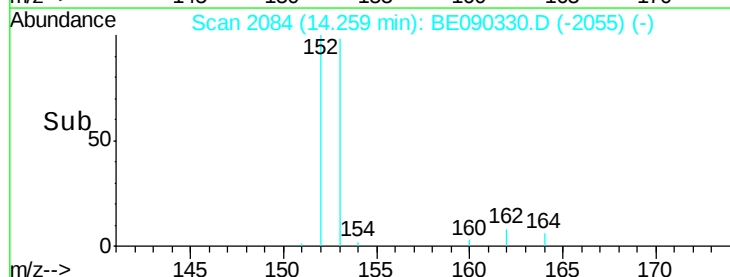
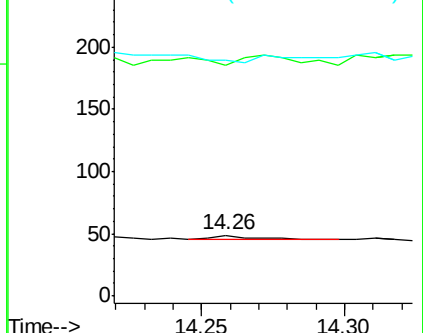
152 100.0 212.7 319.1#

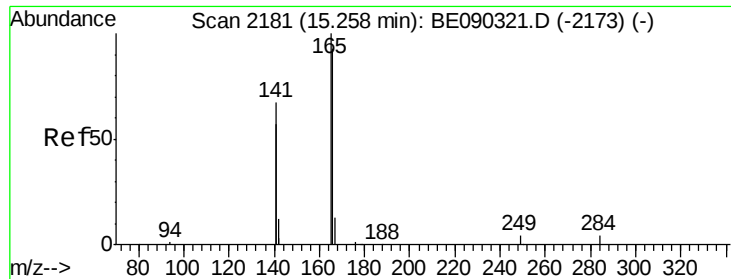


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

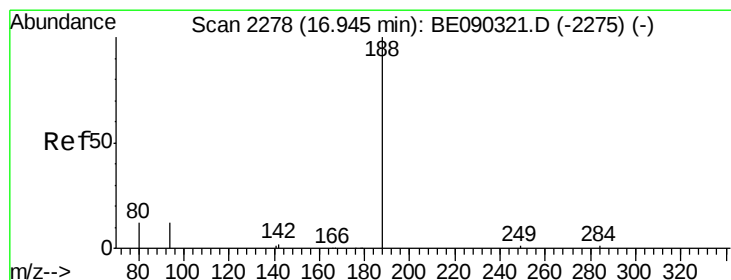
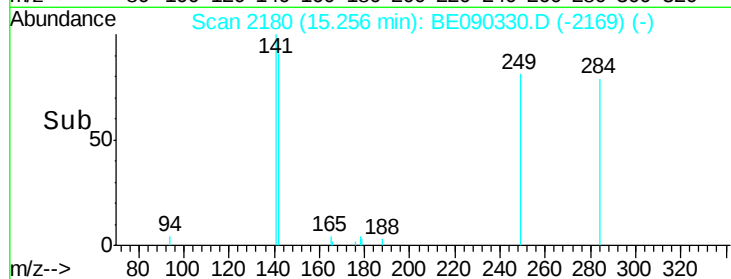
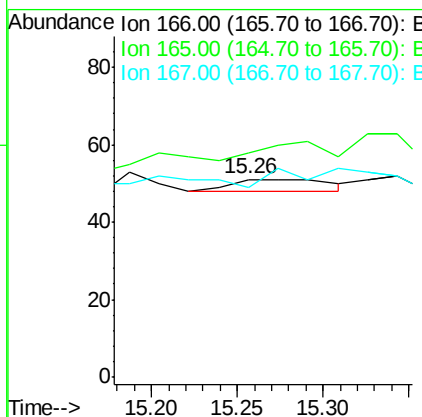
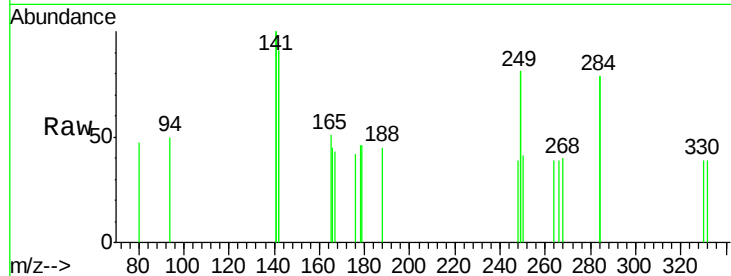




#17  
**Fluorene**  
 Concen: 0.49 ng  
 RT: 15.26 min Scan# 2180  
 Delta R.T. -0.00 min  
 Lab File: BE090330.D  
 Acq: 4 Aug 2015 3:50

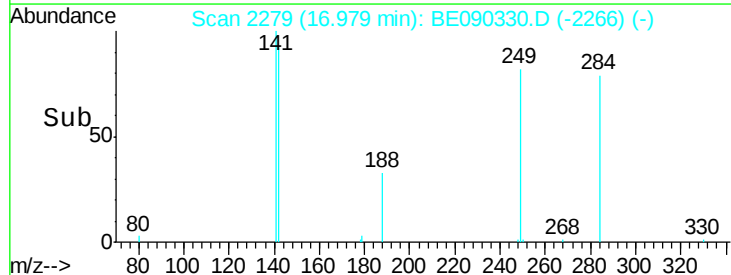
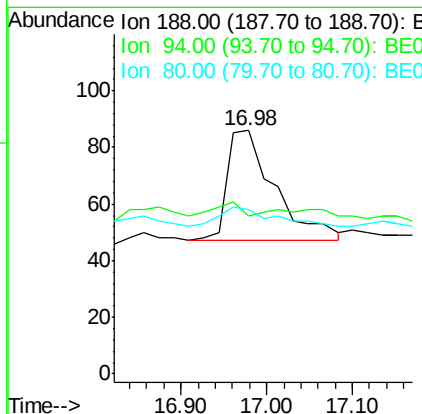
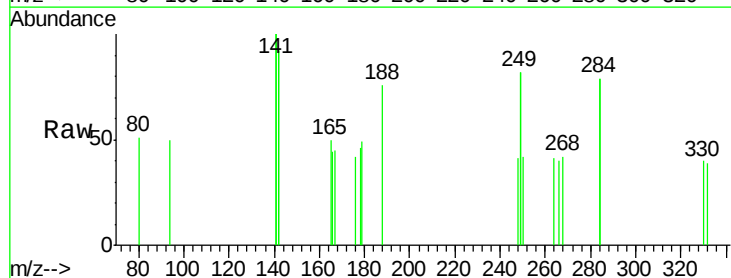
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84826BL

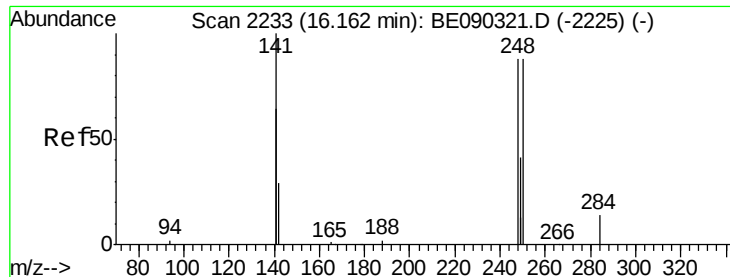
Tgt Ion:166 Resp: 13  
 Ion Ratio Lower Upper  
 166 100  
 165 0.0 82.6 123.8#  
 167 176.9 11.8 17.8#



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. 0.03 min  
 Lab File: BE090330.D  
 Acq: 4 Aug 2015 3:50

Tgt Ion:188 Resp: 150  
 Ion Ratio Lower Upper  
 188 100  
 94 65.1 9.5 14.3#  
 80 67.4 10.0 15.0#





#19

4-Bromophenyl-phenylether

Concen: 0.53 ng

RT: 16.21 min Scan# 2235

Delta R.T. 0.05 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

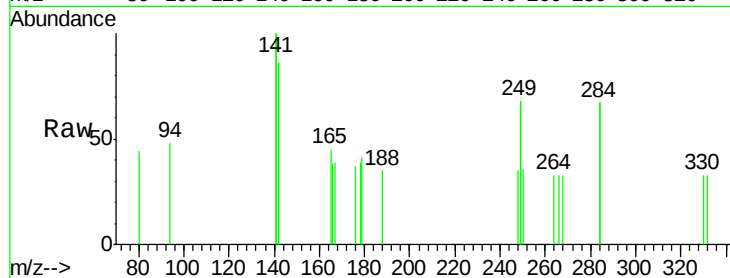
Tgt Ion:248 Resp: 3

Ion Ratio Lower Upper

248 100

250 266.7 74.0 111.0#

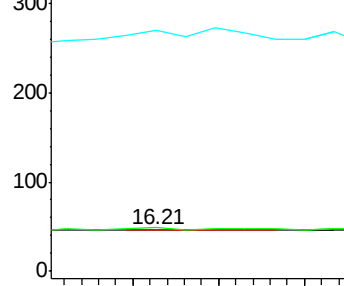
141 1166.7 258.9 388.3#



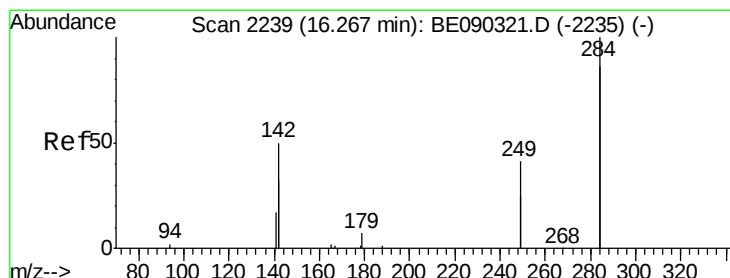
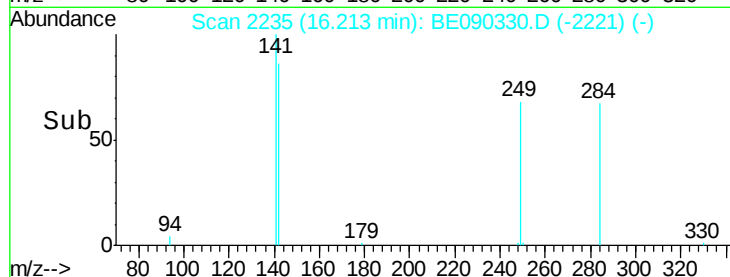
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#20

Hexachlorobenzene

Concen: 0.47 ng

RT: 16.35 min Scan# 2243

Delta R.T. 0.09 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

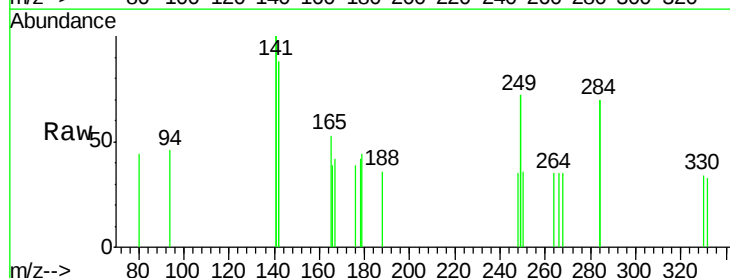
Tgt Ion:284 Resp: 10

Ion Ratio Lower Upper

284 100

142 100.0 44.2 66.4#

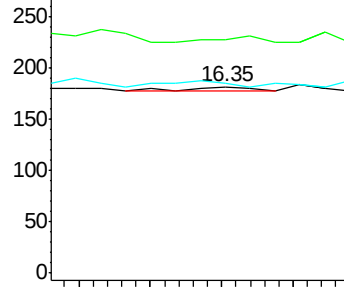
249 0.0 26.4 39.6#



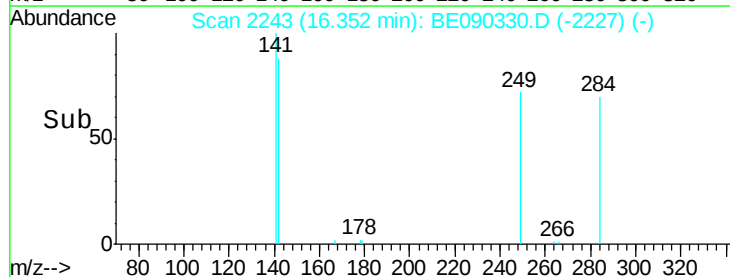
Abundance Ion 283.80 (283.50 to 284.50): E

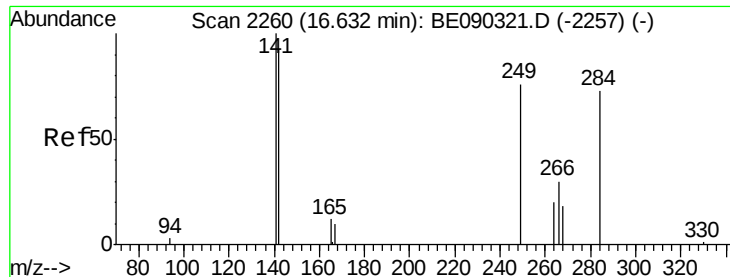
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->





#21

Pentachlorophenol

Concen: 4.83 ng

RT: 16.70 min Scan# 2263

Delta R.T. 0.07 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

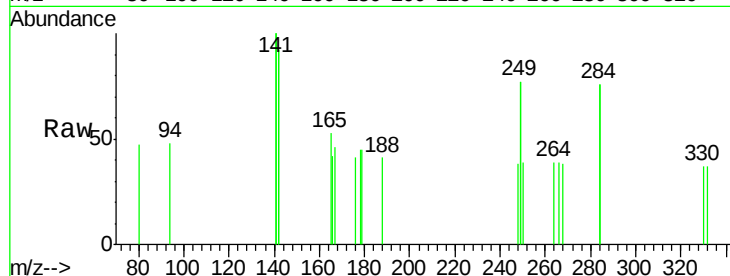
Instrument :

BNA\_E

ClientSampleId :

PB84826BL

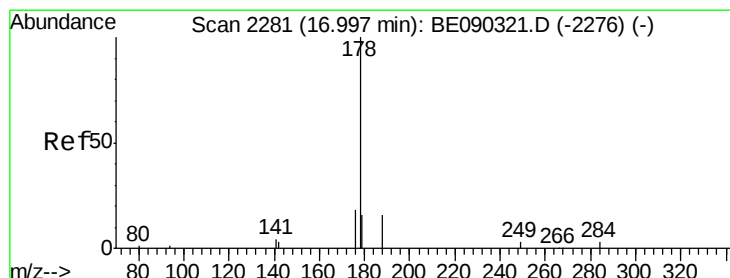
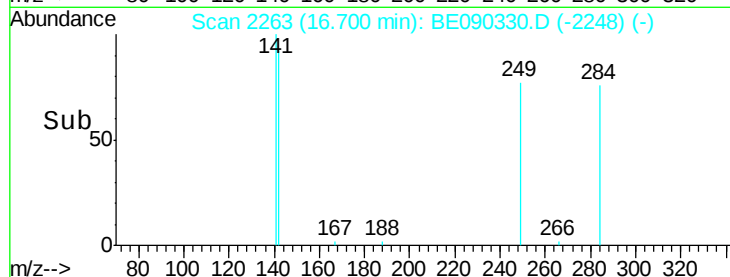
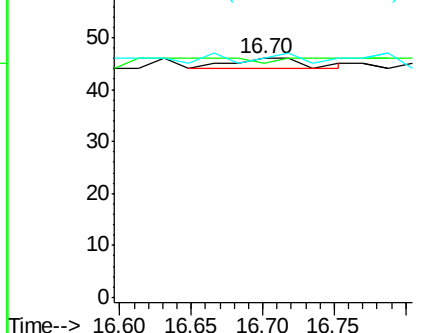
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 7     |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 268      | 97.8  | 66.2  | 99.2  |
| 264      | 100.0 | 69.1  | 103.7 |



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



#22

Phenanthrene

Concen: 1.11 ng

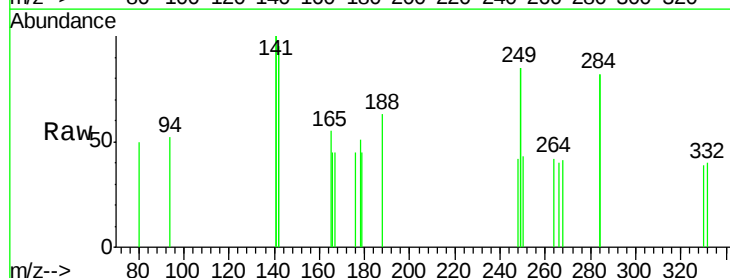
RT: 17.00 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

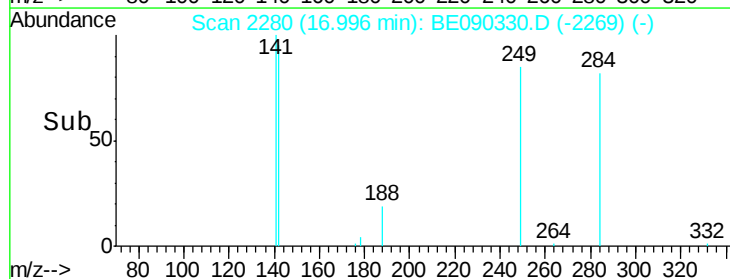
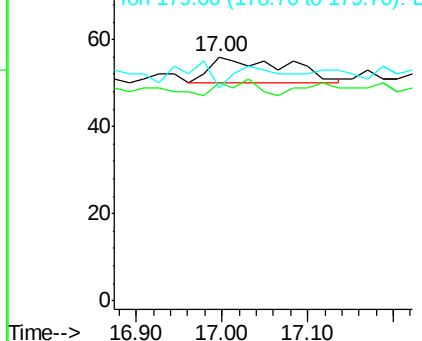
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 38    |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 0.0   | 15.5  | 23.3# |
| 179      | 39.5  | 12.6  | 18.8# |

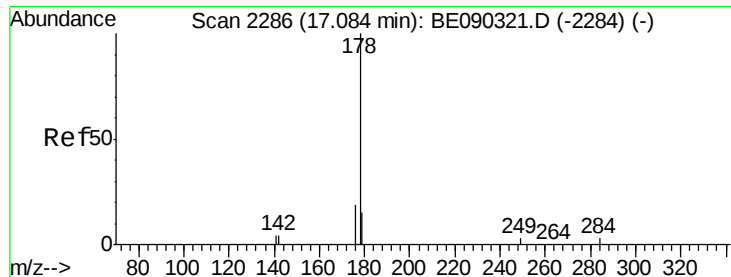


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.07 ng

RT: 17.17 min Scan# 2290

Delta R.T. 0.09 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

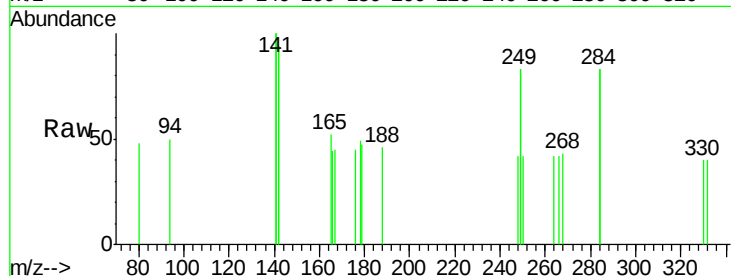
Instrument :

BNA\_E

ClientSampleId :

PB84826BL

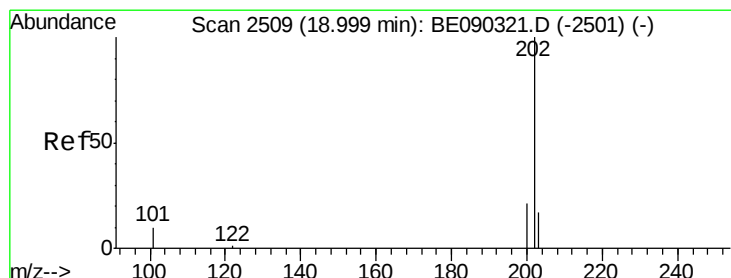
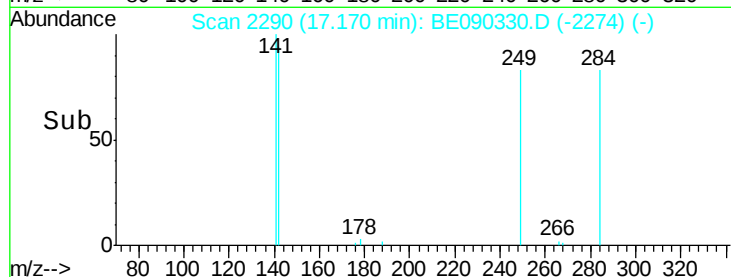
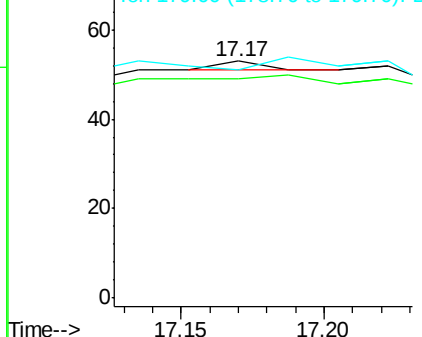
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 2     |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 0.0   | 15.1  | 22.7# |
| 179      | 400.0 | 12.1  | 18.1# |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 0.38 ng

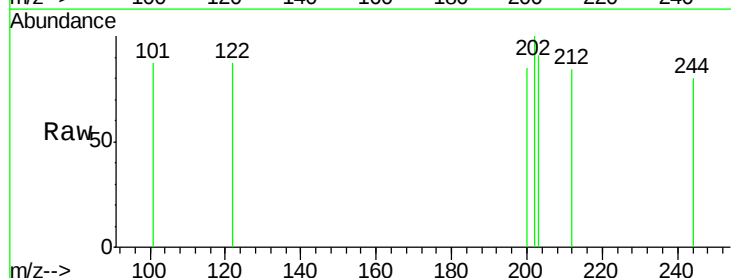
RT: 19.00 min Scan# 2509

Delta R.T. 0.00 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

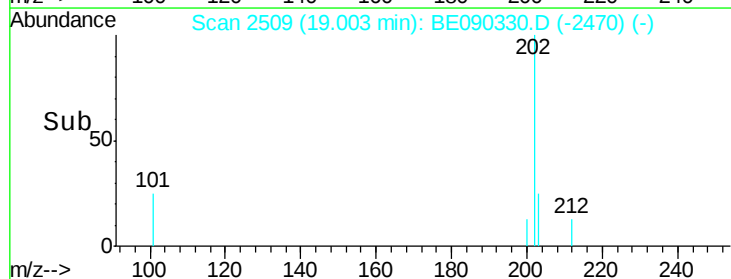
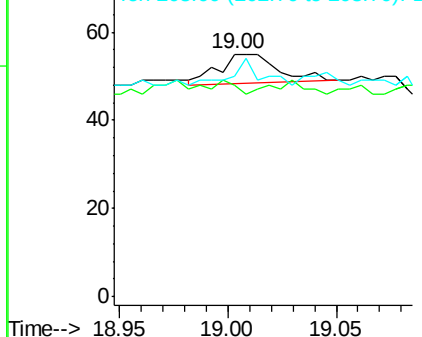
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 13    |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 15.4  | 8.3   | 12.5# |
| 203      | 38.5  | 13.8  | 20.8# |

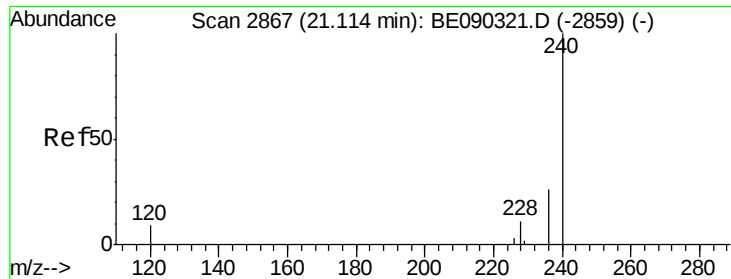


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.13 min Scan# 2869

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampled :

PB84826BL

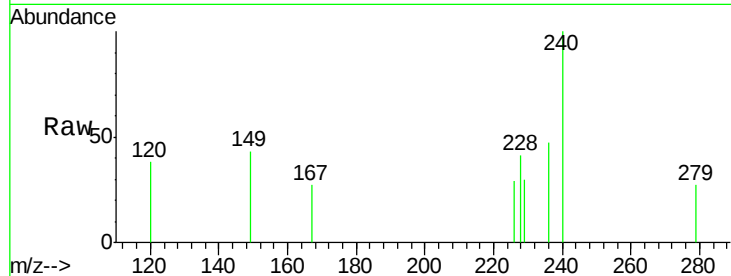
Tgt Ion:240 Resp: 660

Ion Ratio Lower Upper

240 100

120 38.3 7.5 11.3#

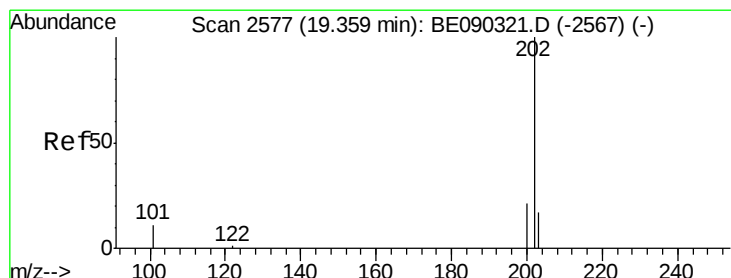
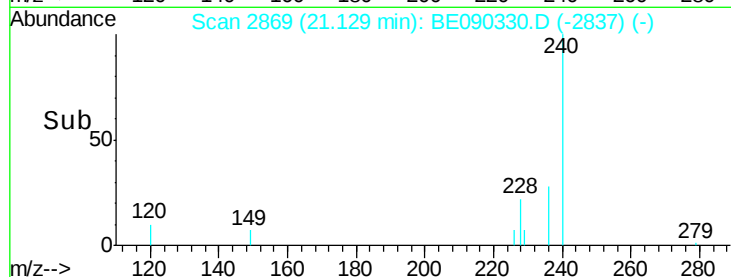
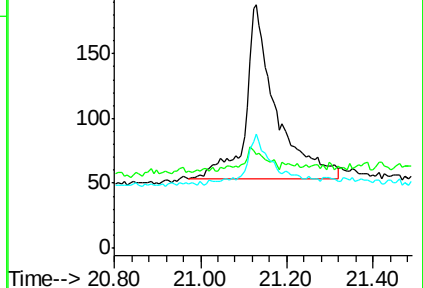
236 46.8 21.0 31.4#



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



#26

Pyrene

Concen: 0.18 ng

RT: 19.37 min Scan# 2578

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

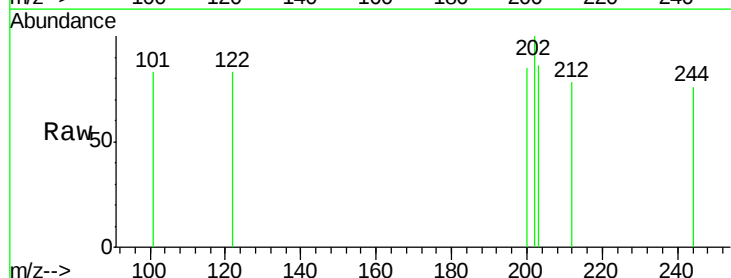
Tgt Ion:202 Resp: 32

Ion Ratio Lower Upper

202 100

200 28.1 16.6 24.8#

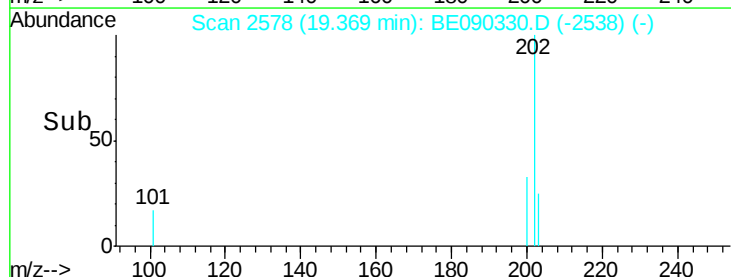
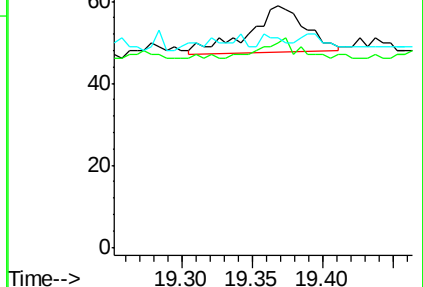
203 9.4 13.8 20.6#

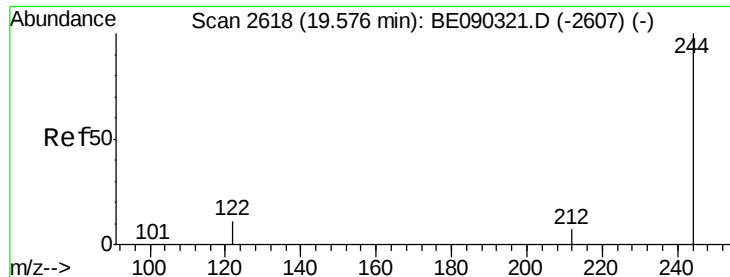


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 0.66 ng

RT: 19.59 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

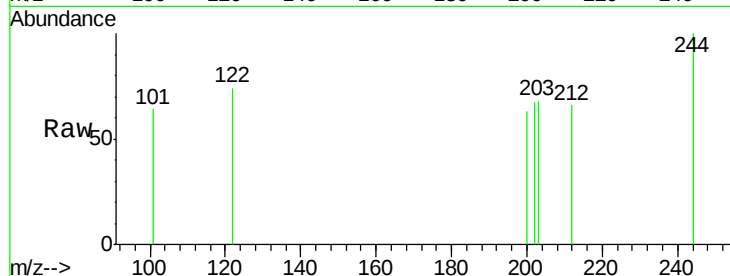
Tgt Ion:244 Resp: 81

Ion Ratio Lower Upper

244 100

212 65.8 7.4 11.2#

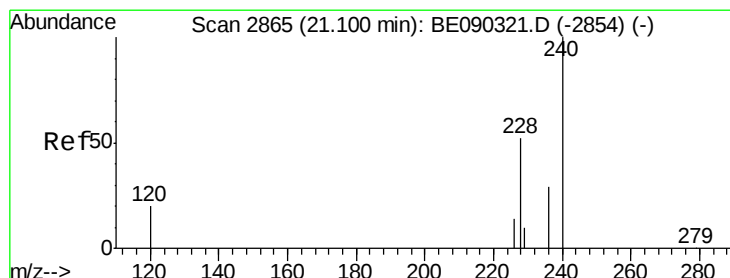
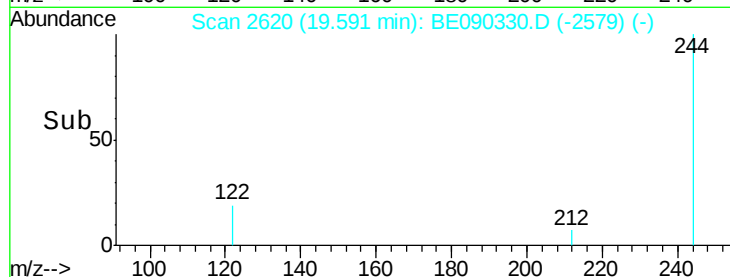
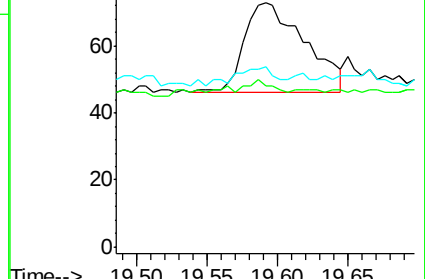
122 74.0 10.4 15.6#



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



#28

Benzo(a)anthracene

Concen: 0.83 ng

RT: 21.11 min Scan# 2866

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

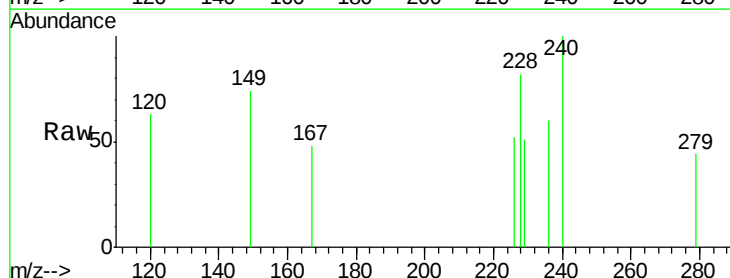
Tgt Ion:228 Resp: 104

Ion Ratio Lower Upper

228 100

226 64.0 23.0 34.4#

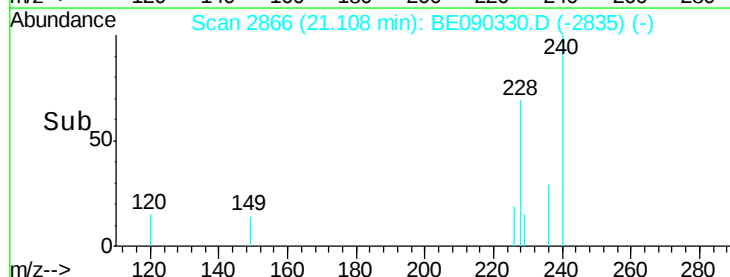
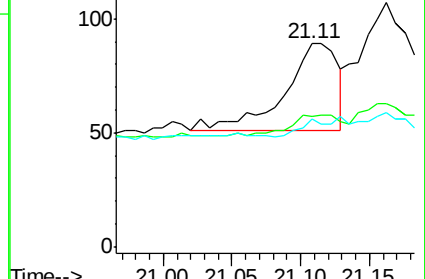
229 62.9 17.4 26.2#

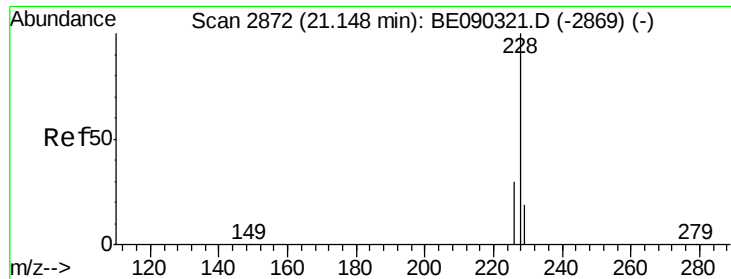


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 1.00 ng

RT: 21.16 min Scan# 2874

Delta R.T. 0.02 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

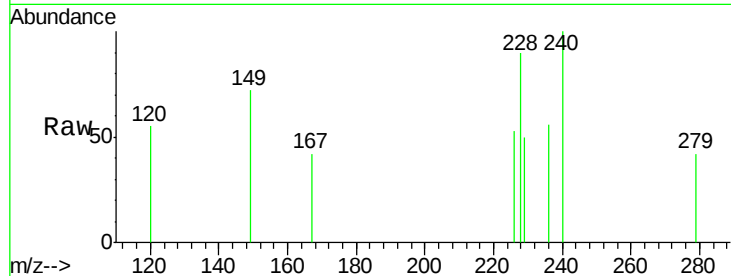
Tgt Ion:228 Resp: 157

Ion Ratio Lower Upper

228 100

226 58.9 24.9 37.3#

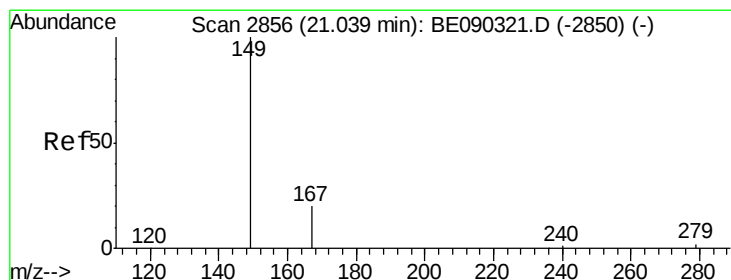
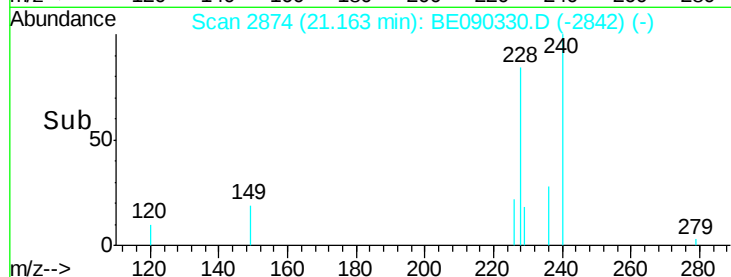
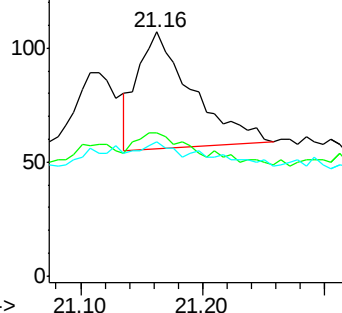
229 55.1 16.6 25.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

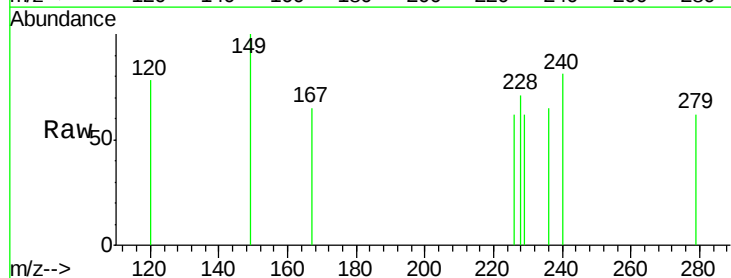
Tgt Ion:149 Resp: 5

Ion Ratio Lower Upper

149 100

167 0.0 16.6 24.8#

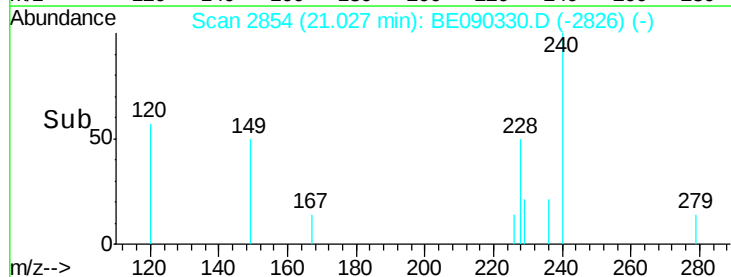
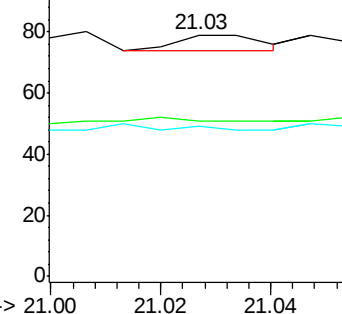
279 0.0 2.7 4.1#

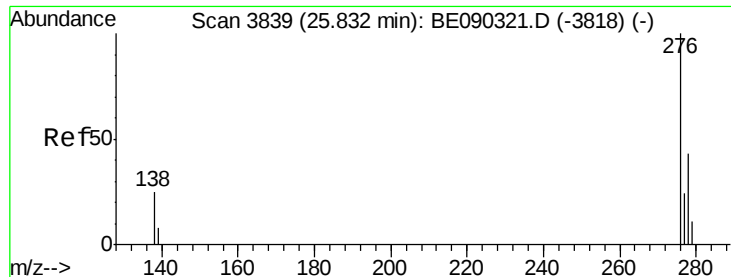


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 2.31 ng

RT: 25.82 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

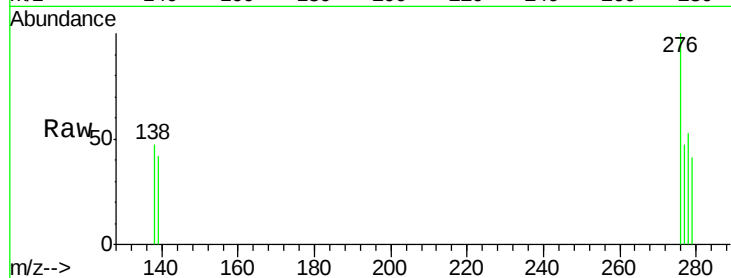
Tgt Ion:276 Resp: 176

Ion Ratio Lower Upper

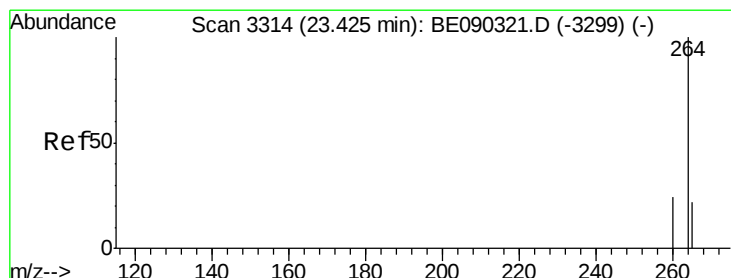
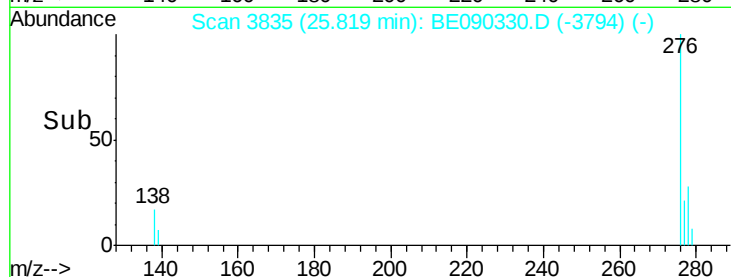
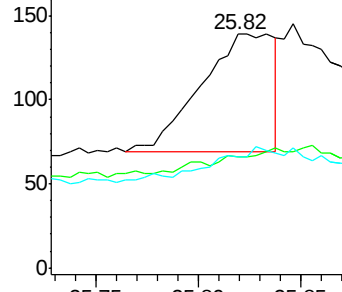
276 100

138 18.2 10.6 16.0#

277 41.5 14.6 22.0#



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.43 min Scan# 3314

Delta R.T. 0.00 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

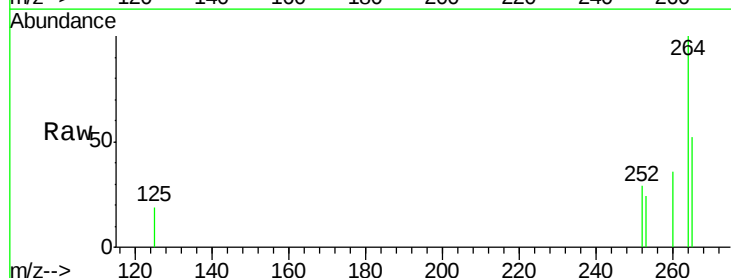
Tgt Ion:264 Resp: 893

Ion Ratio Lower Upper

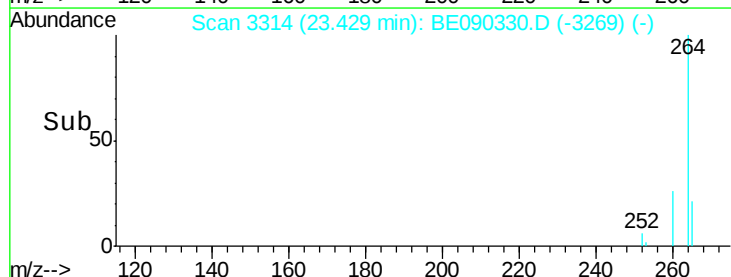
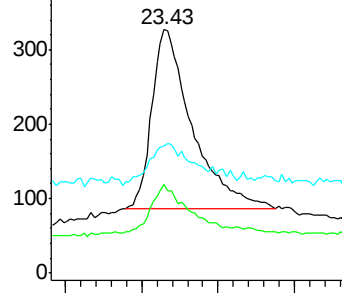
264 100

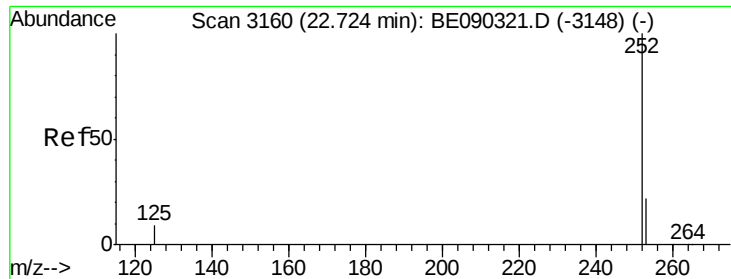
260 36.4 20.1 30.1#

265 52.0 18.6 28.0#



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

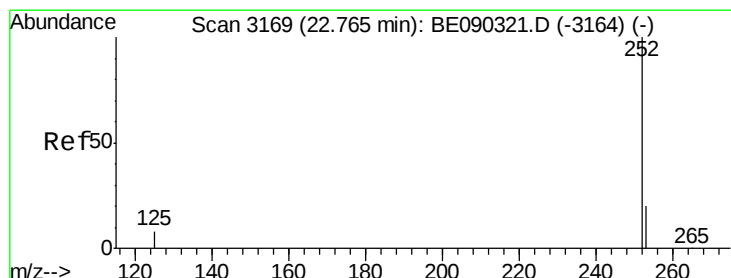
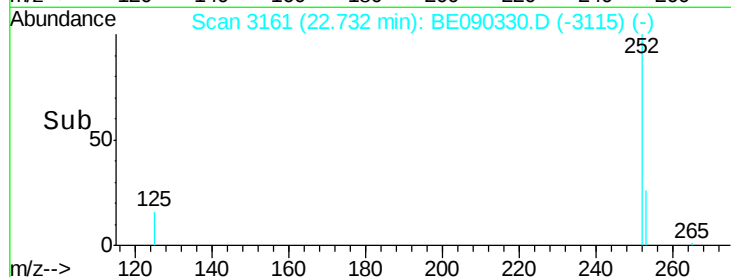
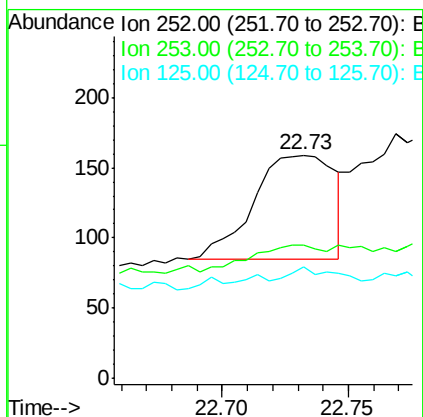
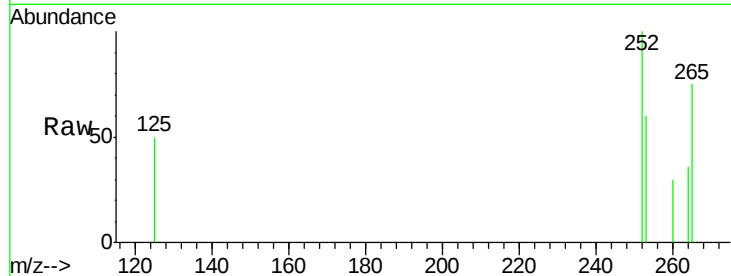




#33  
Benzo(b)fluoranthene  
Concen: 1.24 ng  
RT: 22.73 min Scan# 3161  
Delta R.T. 0.01 min  
Lab File: BE090330.D  
Acq: 4 Aug 2015 3:50

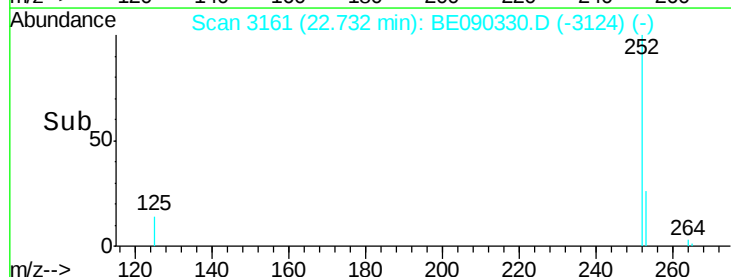
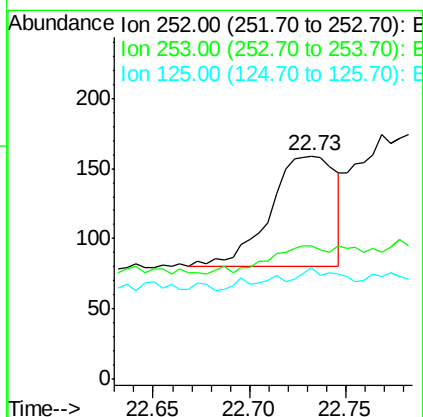
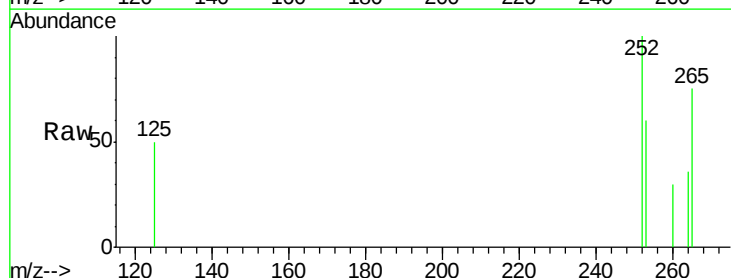
Instrument :  
BNA\_E  
ClientSampleID :  
PB84826BL

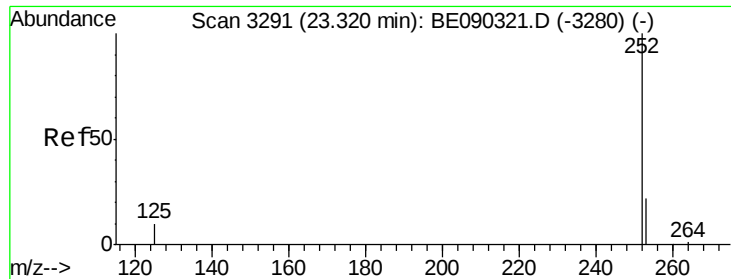
Tgt Ion: 252 Resp: 165  
Ion Ratio Lower Upper  
252 100  
253 59.7 21.5 32.3#  
125 49.7 11.8 17.8#



#34  
Benzo(k)fluoranthene  
Concen: 0.78 ng  
RT: 22.73 min Scan# 3161  
Delta R.T. -0.03 min  
Lab File: BE090330.D  
Acq: 4 Aug 2015 3:50

Tgt Ion: 252 Resp: 188  
Ion Ratio Lower Upper  
252 100  
253 59.7 19.9 29.9#  
125 49.7 11.2 16.8#





#35

Benzo(a)pyrene

Concen: 2.05 ng

RT: 23.33 min Scan# 3292

Delta R.T. 0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL

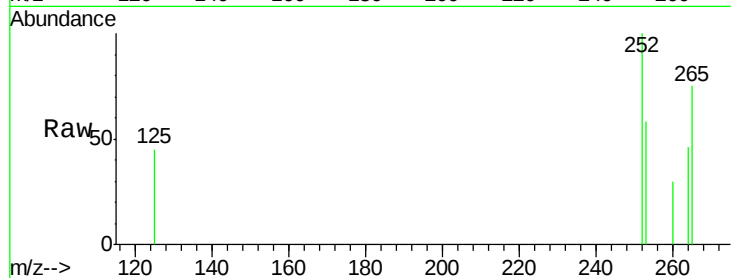
Tgt Ion: 252 Resp: 296

Ion Ratio Lower Upper

252 100

253 58.5 23.0 34.4#

125 45.3 14.2 21.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.33

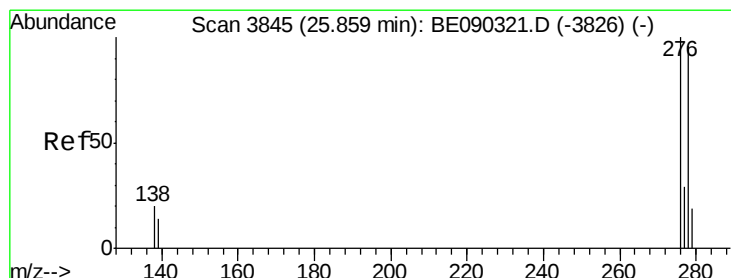
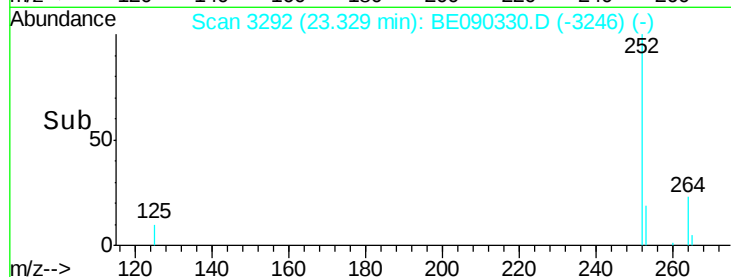
150

100

50

0

Time-->



#36

Dibenzo(a,h)anthracene

Concen: 1.52 ng

RT: 25.85 min Scan# 3842

Delta R.T. -0.01 min

Lab File: BE090330.D

Acq: 4 Aug 2015 3:50

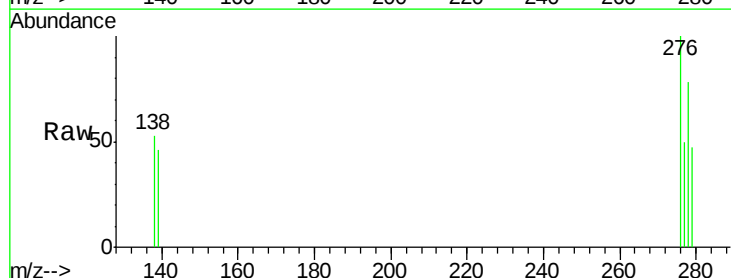
Tgt Ion: 278 Resp: 118

Ion Ratio Lower Upper

278 100

139 58.7 27.8 41.6#

279 59.6 30.9 46.3#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.85

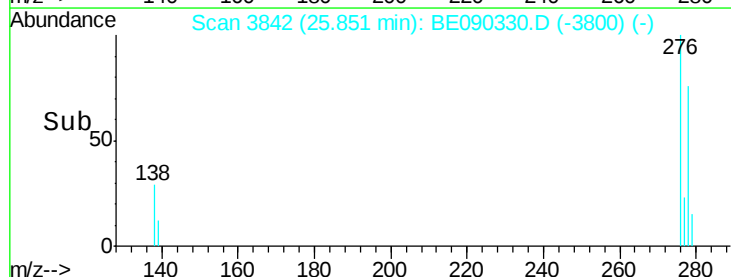
150

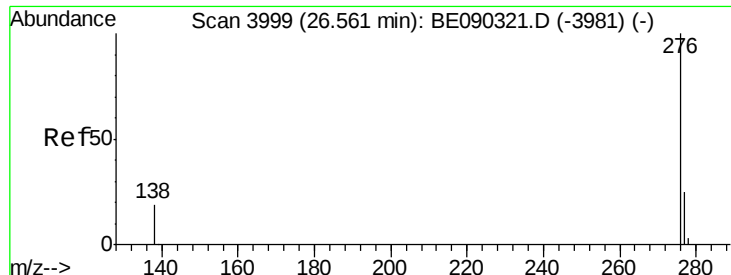
100

50

0

Time-->





#37

Benzo(g,h,i)perylene

Concen: 3.21 ng

RT: 26.56 min Scan# 3998

Delta R.T. 0.00 min

Lab File: BE090330.D

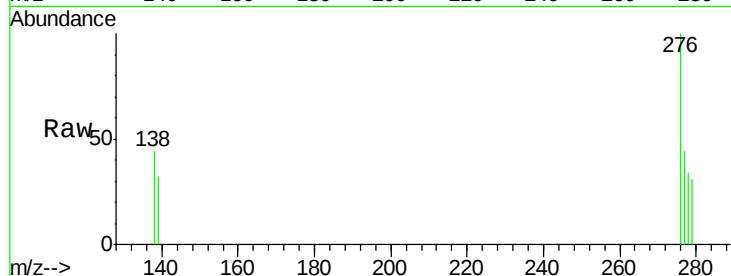
Acq: 4 Aug 2015 3:50

Instrument :

BNA\_E

ClientSampleId :

PB84826BL



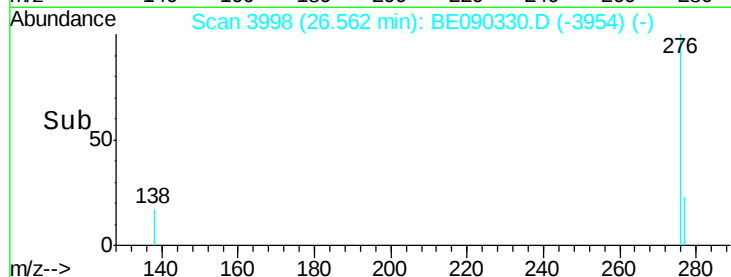
Tgt Ion: 276 Resp: 517

Ion Ratio Lower Upper

276 100

277 43.6 25.6 38.4#

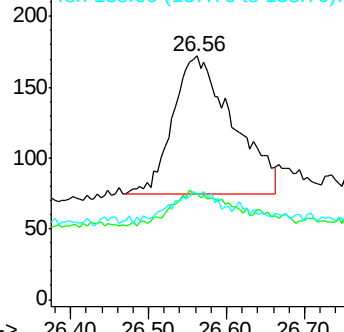
138 43.6 22.0 33.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->