

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081215\  
 Data File : BE090488.D  
 Acq On : 13 Aug 2015 3:46  
 Operator : UM/IZ  
 Sample : PB84984BS  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84984BS

Quant Time: Aug 13 04:21:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 06 12:28:08 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 18116    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.33 | 136  | 84192    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.19 | 164  | 49323    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.94 | 188  | 115369   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.09 | 240  | 141285   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.40 | 264  | 121786   | 5.00 | ng    | 0.00     |

|                             |       |     |       |       |    |       |
|-----------------------------|-------|-----|-------|-------|----|-------|
| System Monitoring Compounds |       |     |       |       |    |       |
| 4) 2-Fluorophenol           | 5.21  | 112 | 31945 | 11.75 | ng | 0.00  |
| 5) Phenol-d6                | 6.76  | 99  | 51641 | 8.73  | ng | -0.01 |
| 7) Nitrobenzene-d5          | 8.72  | 82  | 25029 | 3.71  | ng | -0.01 |
| 13) 2,4,6-Tribromophenol    | 15.69 | 330 | 14794 | 9.16  | ng | -0.02 |
| 14) 2-Fluorobiphenyl        | 12.81 | 172 | 57441 | 4.23  | ng | 0.00  |
| 27) Terphenyl-d14           | 19.55 | 244 | 93467 | 4.49  | ng | -0.01 |

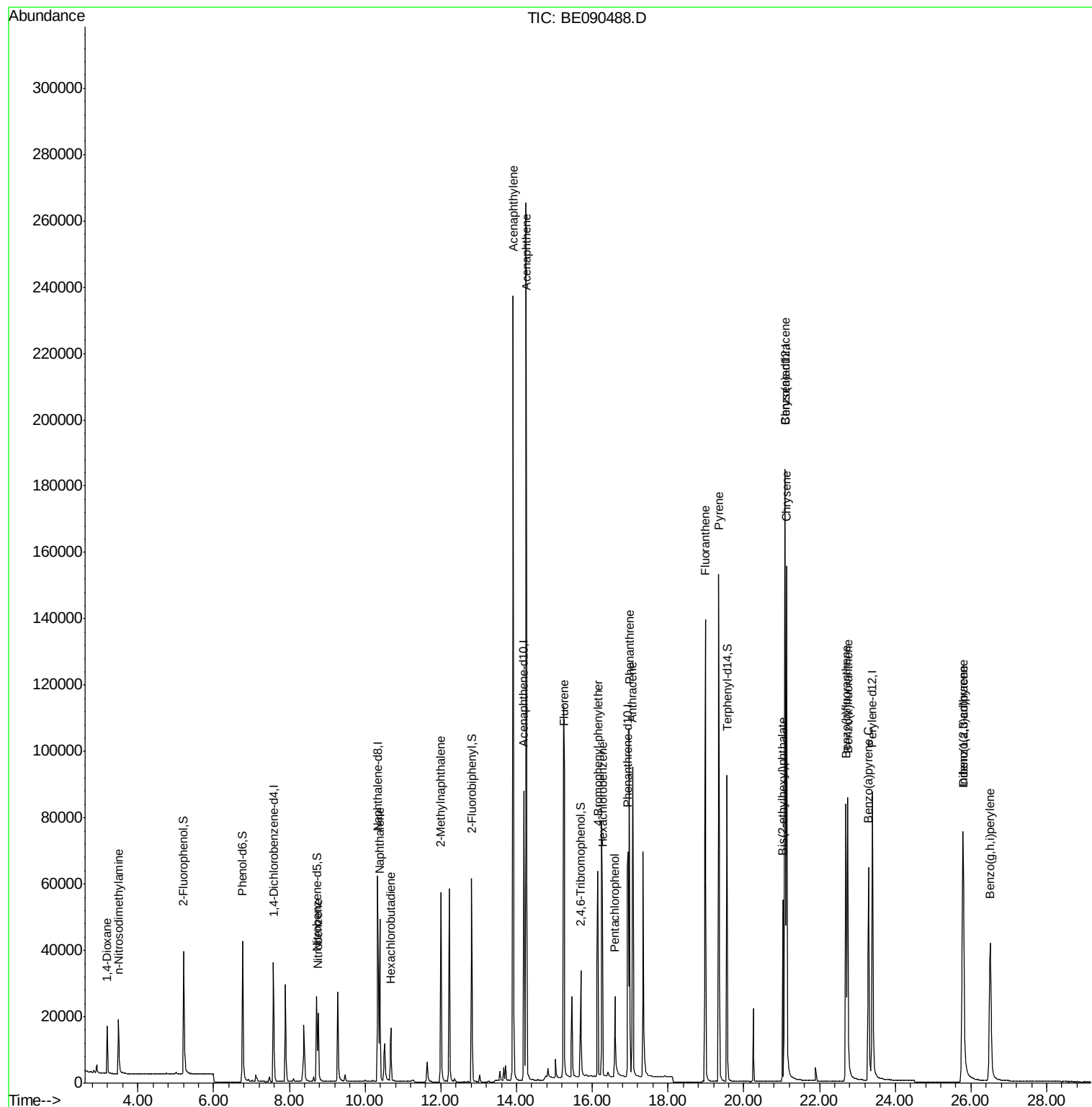
|                                |       |     |        |        |    |     |
|--------------------------------|-------|-----|--------|--------|----|-----|
| Target Compounds               |       |     |        | Qvalue |    |     |
| 2) 1,4-Dioxane                 | 3.20  | 88  | 8272   | 3.85   | ng | 98  |
| 3) n-Nitrosodimethylamine      | 3.49  | 42  | 10537  | 3.76   | ng | 89  |
| 8) Nitrobenzene                | 8.76  | 77  | 25403  | 3.53   | ng | 98  |
| 9) Naphthalene                 | 10.38 | 128 | 66876  | 3.60   | ng | 98  |
| 10) Hexachlorobutadiene        | 10.68 | 225 | 11220  | 3.98   | ng | 99  |
| 11) 2-Methylnaphthalene        | 12.00 | 142 | 44149  | 4.09   | ng | 99  |
| 15) Acenaphthylene             | 13.91 | 152 | 317281 | 3.97   | ng | 100 |
| 16) Acenaphthene               | 14.26 | 154 | 46942  | 3.78   | ng | 91  |
| 17) Fluorene                   | 15.26 | 166 | 64567  | 4.00   | ng | 97  |
| 19) 4-Bromophenyl-phenylether  | 16.14 | 248 | 18537  | 4.13   | ng | 98  |
| 20) Hexachlorobenzene          | 16.27 | 284 | 82398  | 3.55   | ng | 99  |
| 21) Pentachlorophenol          | 16.60 | 266 | 14228  | 7.83   | ng | 91  |
| 22) Phenanthrene               | 16.98 | 178 | 110704 | 3.83   | ng | 100 |
| 23) Anthracene                 | 17.07 | 178 | 106495 | 4.49   | ng | 100 |
| 24) Fluoranthene               | 18.98 | 202 | 125351 | 4.41   | ng | 100 |
| 26) Pyrene                     | 19.34 | 202 | 136603 | 4.46   | ng | 99  |
| 28) Benzo(a)anthracene         | 21.08 | 228 | 131848 | 4.21   | ng | 98  |
| 29) Chrysene                   | 21.13 | 228 | 136884 | 3.62   | ng | 97  |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 44264  | 4.18   | ng | 98  |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276 | 114047 | 3.42   | ng | 95  |
| 33) Benzo(b)fluoranthene       | 22.70 | 252 | 110023 | 4.04   | ng | 98  |
| 34) Benzo(k)fluoranthene       | 22.74 | 252 | 123776 | 3.65   | ng | 99  |
| 35) Benzo(a)pyrene             | 23.29 | 252 | 99659  | 3.88   | ng | 100 |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278 | 90482  | 3.63   | ng | 98  |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276 | 100316 | 4.46   | ng | 98  |

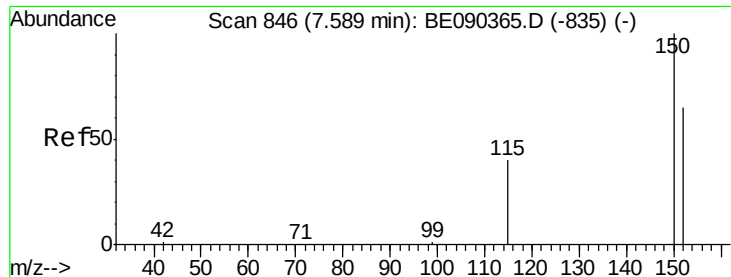
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 06 12:28:08 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

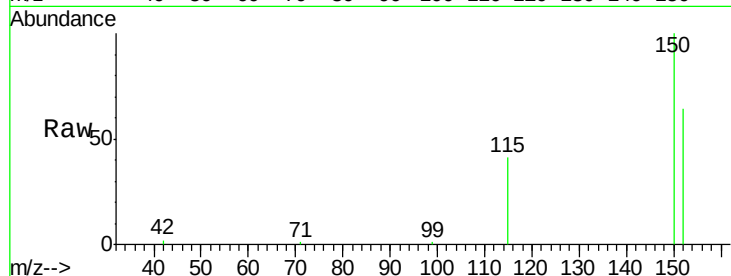
Tgt Ion:152 Resp: 18116

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

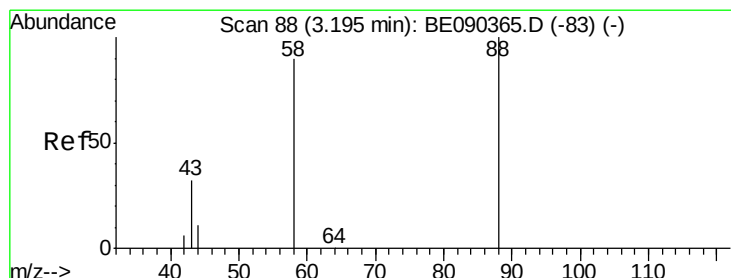
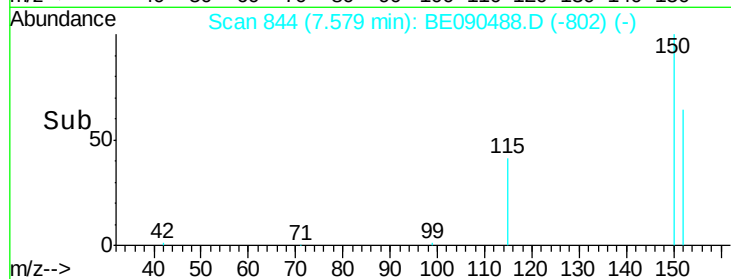
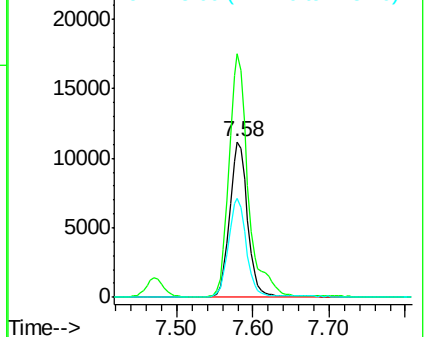
115 63.6 48.9 73.3



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: 3.85 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

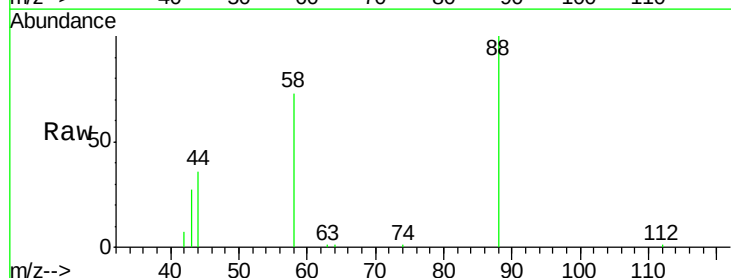
Tgt Ion: 88 Resp: 8272

Ion Ratio Lower Upper

88 100

58 86.6 70.0 105.0

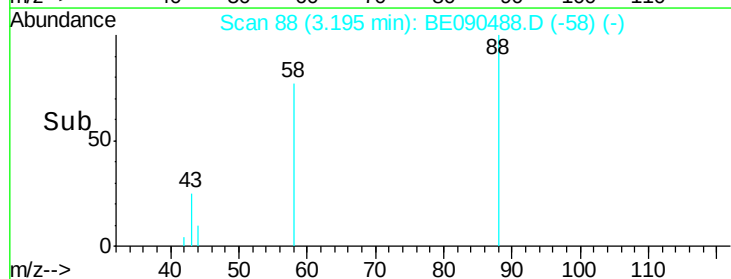
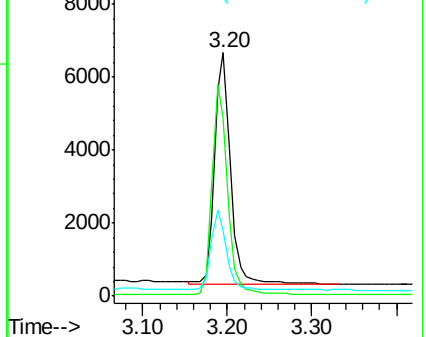
43 32.5 28.4 42.6

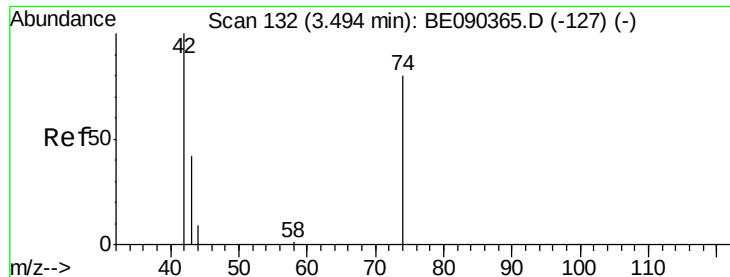


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



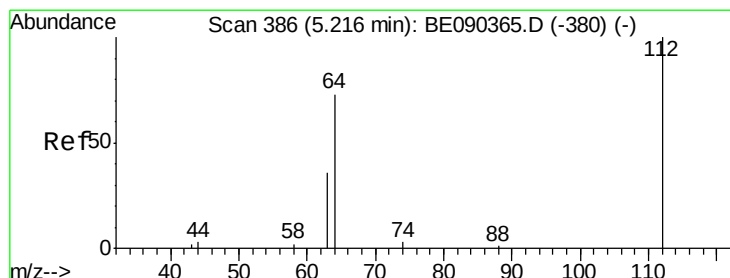
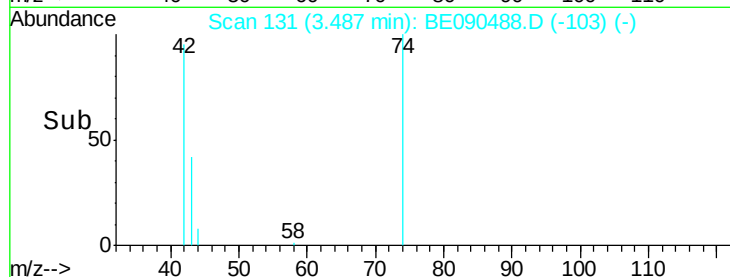
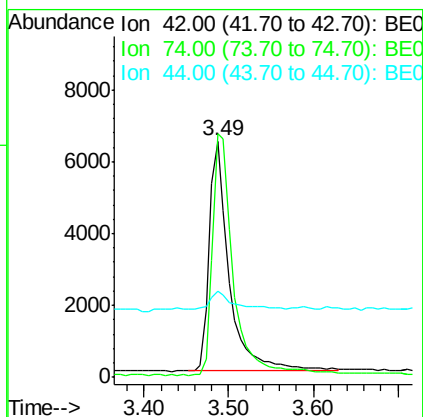
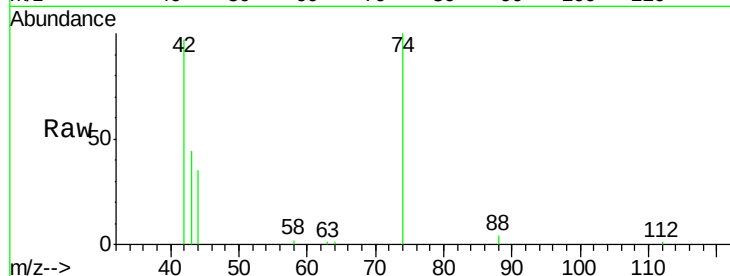


#3

n-Nitrosodimethylamine  
 Concen: 3.76 ng  
 RT: 3.49 min Scan# 131  
 Delta R.T. -0.01 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

Instrument :  
 BNA\_E  
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 PB84984BS

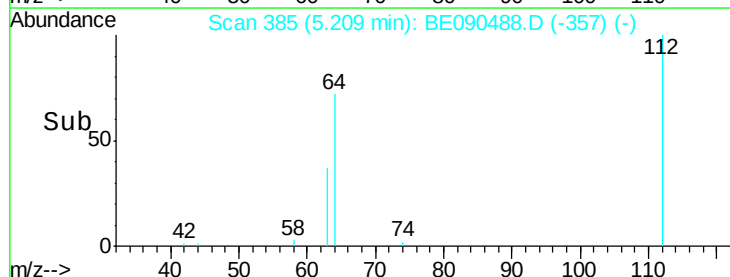
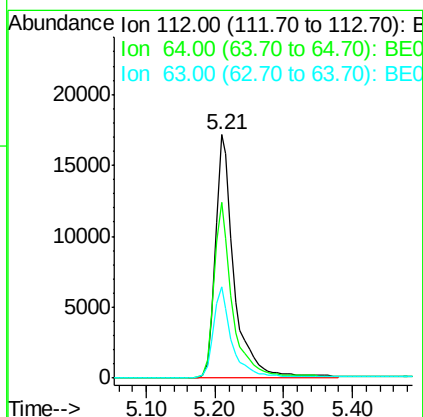
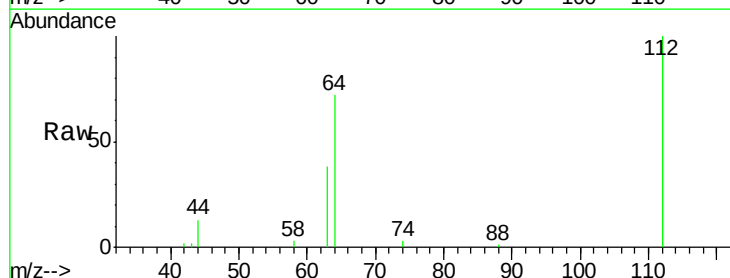
Tgt Ion: 42 Resp: 10537  
 Ion Ratio Lower Upper  
 42 100  
 74 105.2 75.2 112.8  
 44 9.8 8.7 13.1

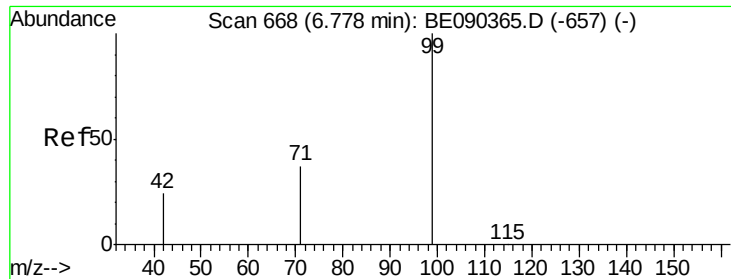


#4

2-Fluorophenol  
 Concen: 11.75 ng  
 RT: 5.21 min Scan# 385  
 Delta R.T. -0.01 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

Tgt Ion: 112 Resp: 31945  
 Ion Ratio Lower Upper  
 112 100  
 64 70.6 37.1 55.7#  
 63 36.7 19.5 29.3#





#5

Phenol-d6

Concen: 8.73 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

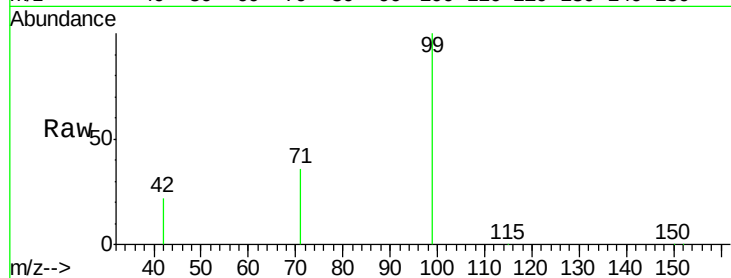
Tgt Ion: 99 Resp: 51641

Ion Ratio Lower Upper

99 100

42 21.9 18.2 27.4

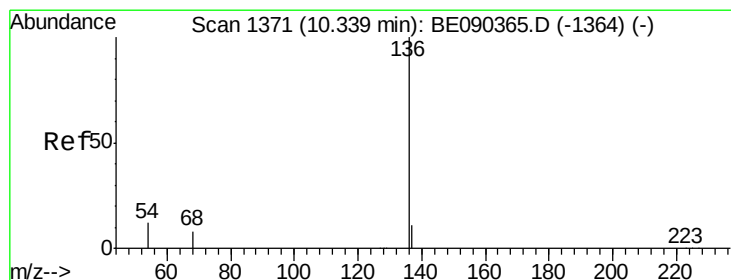
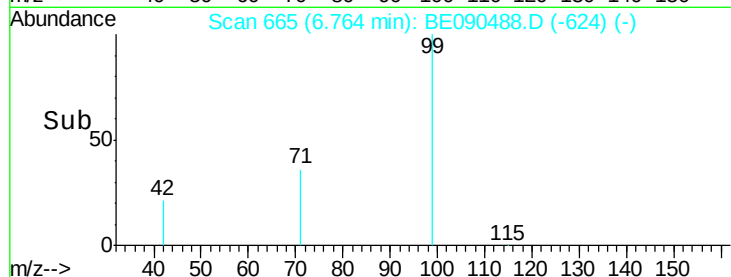
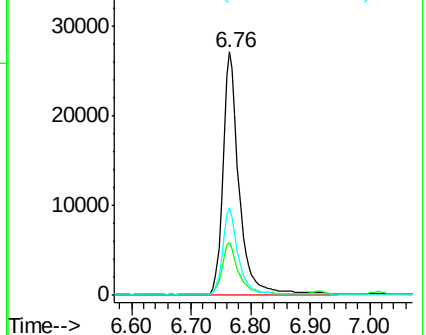
71 35.2 27.4 41.0



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: 10.33 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Tgt Ion: 136 Resp: 84192

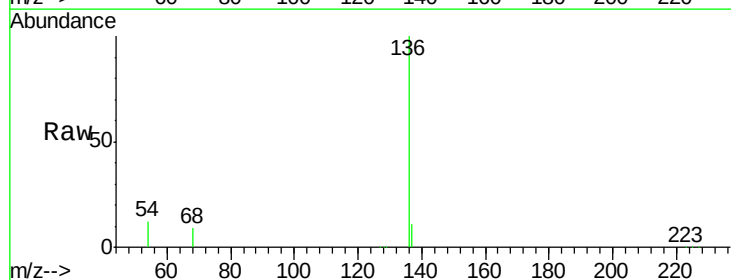
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 12.4 9.4 14.0

68 8.9 6.5 9.7

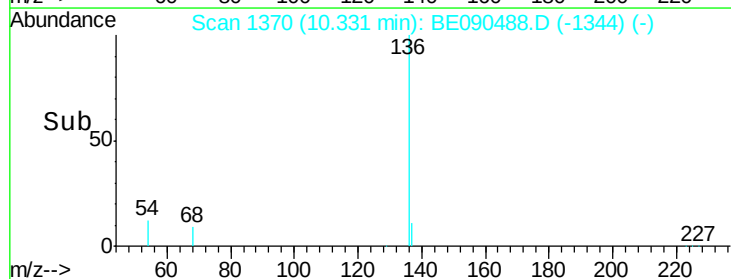
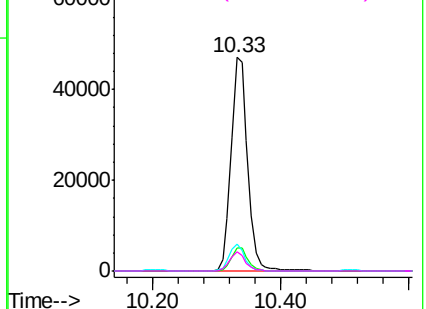


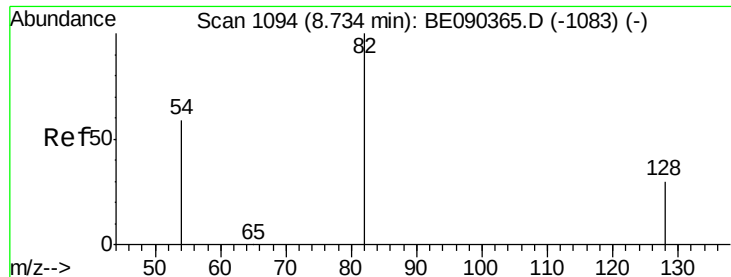
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.71 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

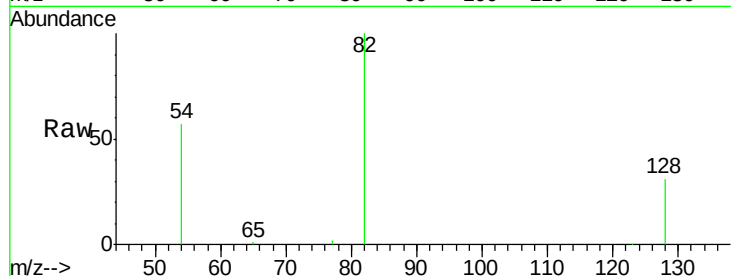
Tgt Ion: 82 Resp: 25029

Ion Ratio Lower Upper

82 100

128 31.2 25.0 37.6

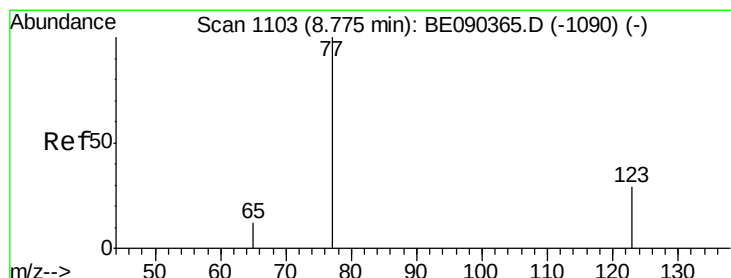
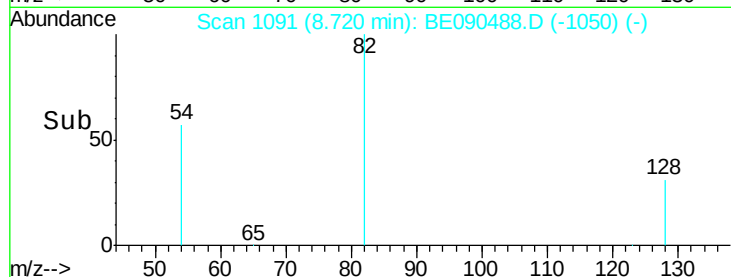
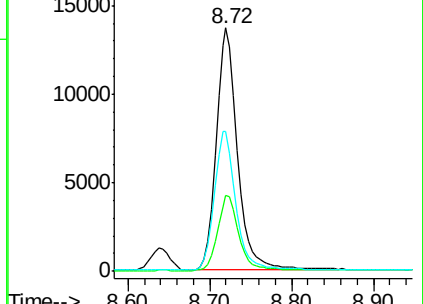
54 57.2 48.8 73.2



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: 3.53 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

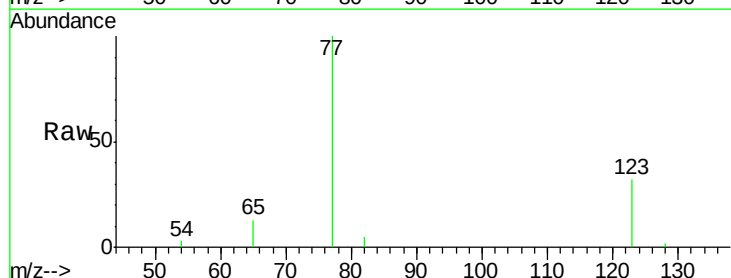
Tgt Ion: 77 Resp: 25403

Ion Ratio Lower Upper

77 100

123 32.4 25.1 37.7

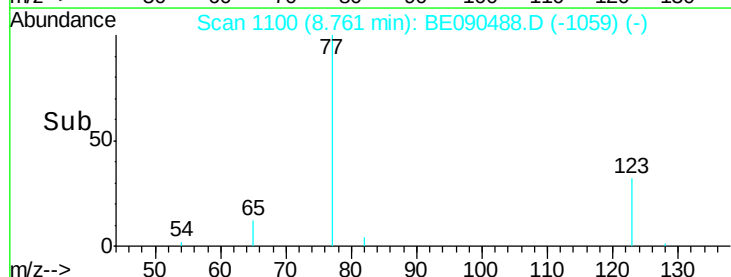
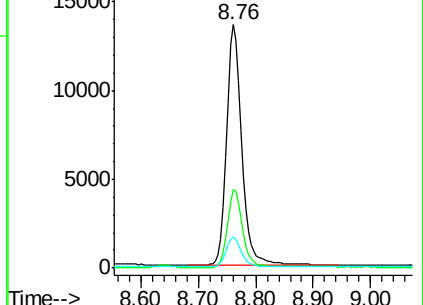
65 12.4 9.3 13.9

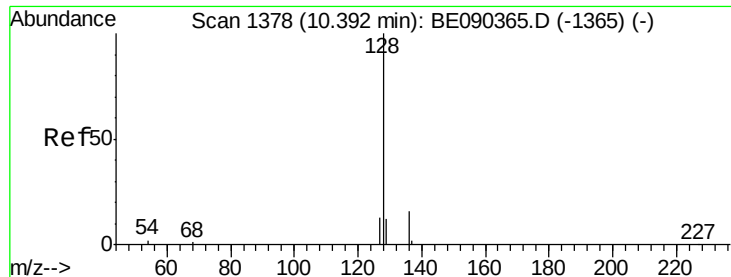


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.60 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

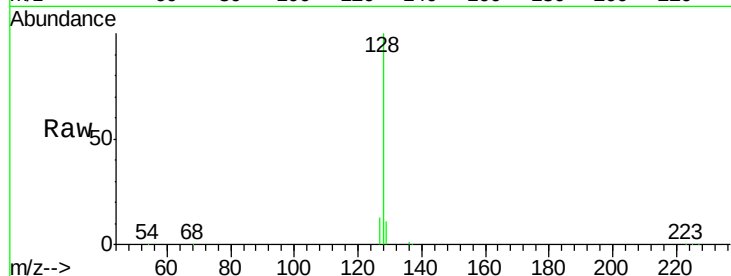
Tgt Ion:128 Resp: 66876

Ion Ratio Lower Upper

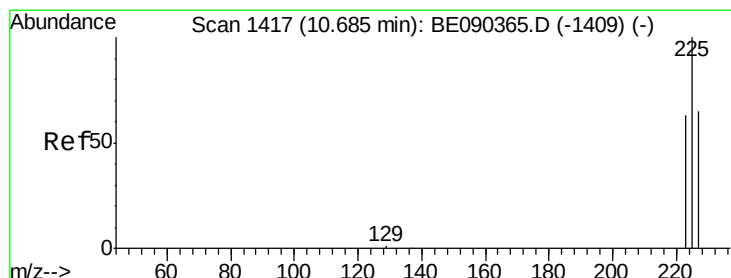
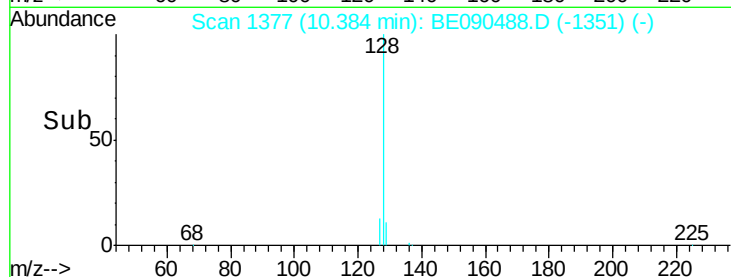
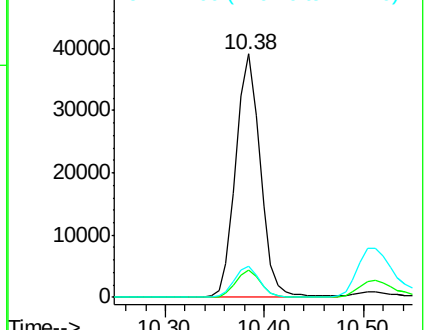
128 100

129 11.1 9.8 14.6

127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 3.98 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

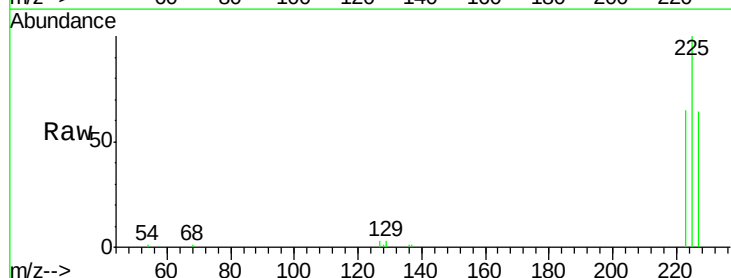
Tgt Ion:225 Resp: 11220

Ion Ratio Lower Upper

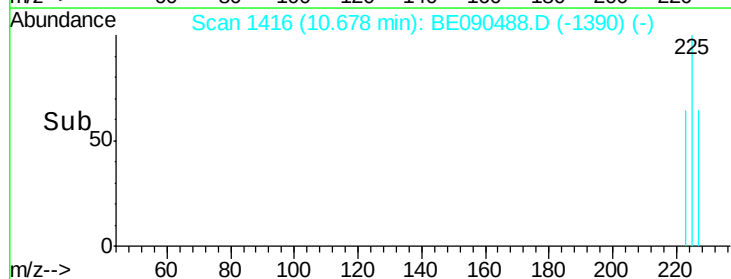
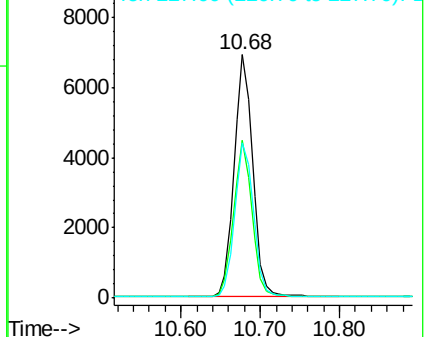
225 100

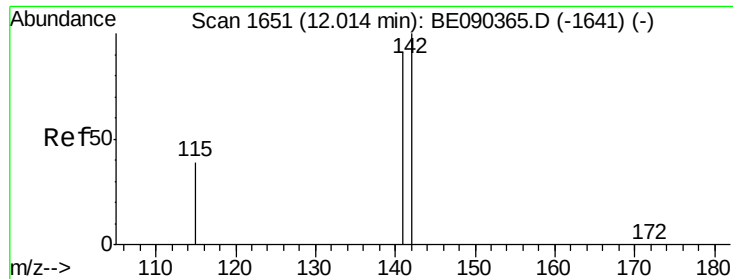
223 63.5 50.6 75.8

227 64.4 50.7 76.1



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

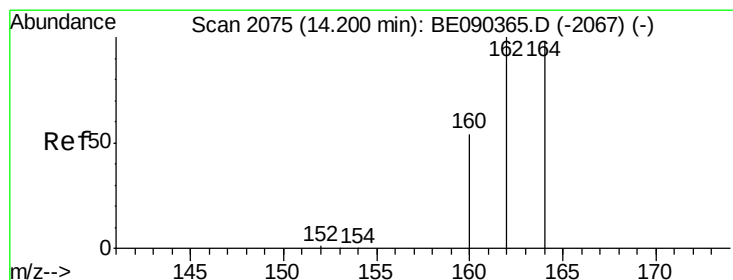
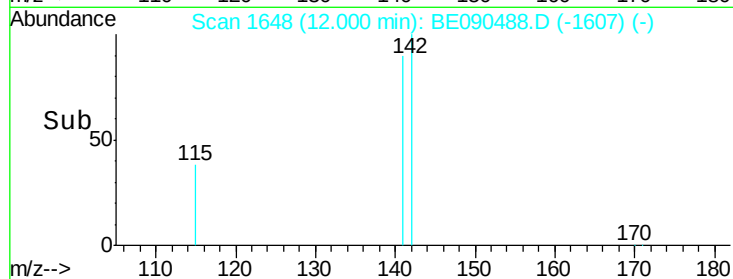
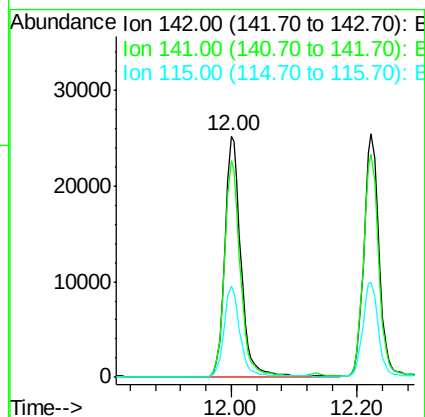
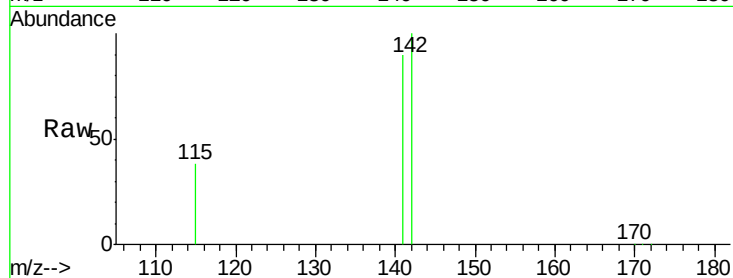




#11  
2-Methylnaphthalene  
Concen: 4.09 ng  
RT: 12.00 min Scan# 1648  
Delta R.T. -0.01 min  
Lab File: BE090488.D  
Acq: 13 Aug 2015 3:46

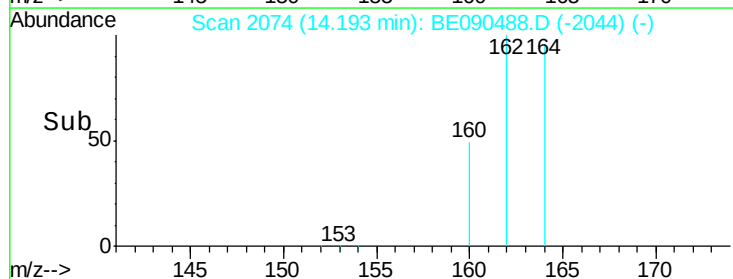
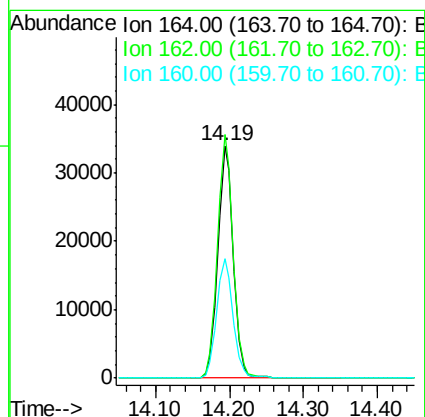
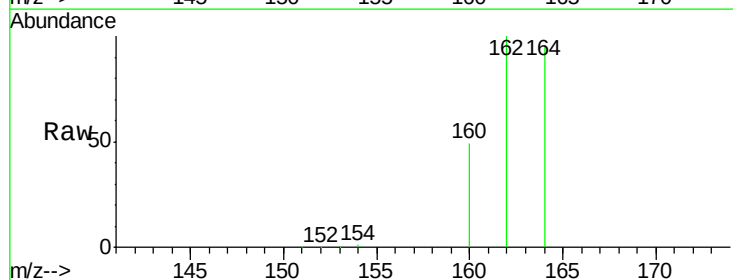
Instrument :  
BNA\_E  
ClientSampleId :  
PB84984BS

Tgt Ion:142 Resp: 44149  
Ion Ratio Lower Upper  
142 100  
141 89.9 72.6 109.0  
115 38.1 31.6 47.4

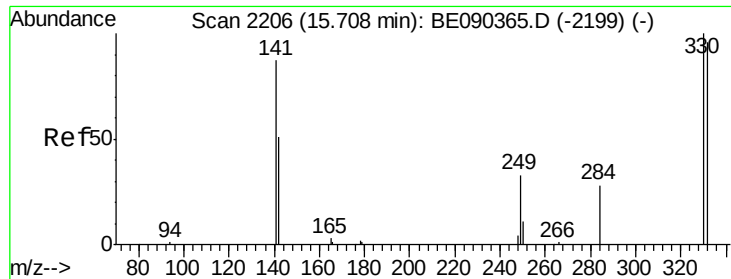


#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.19 min Scan# 2074  
Delta R.T. -0.01 min  
Lab File: BE090488.D  
Acq: 13 Aug 2015 3:46

Tgt Ion:164 Resp: 49323  
Ion Ratio Lower Upper  
164 100  
162 104.7 81.8 122.8  
160 51.4 44.2 66.4



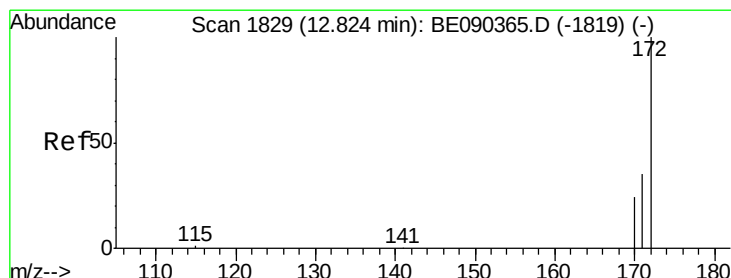
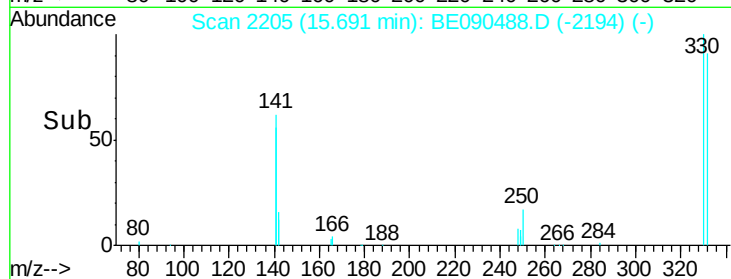
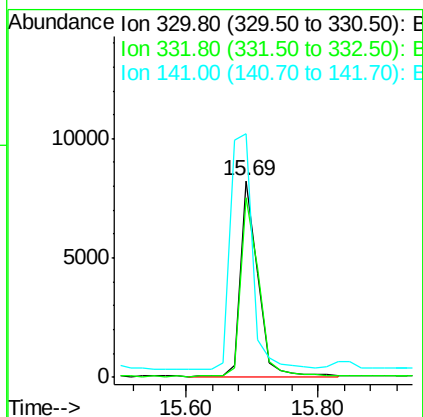
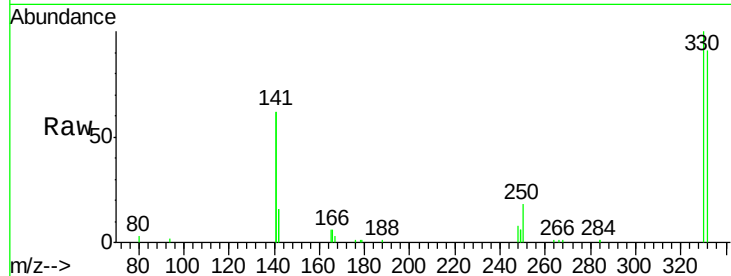




#13  
 2,4,6-Tribromophenol  
 Concen: 9.16 ng  
 RT: 15.69 min Scan# 2205  
 Delta R.T. -0.02 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

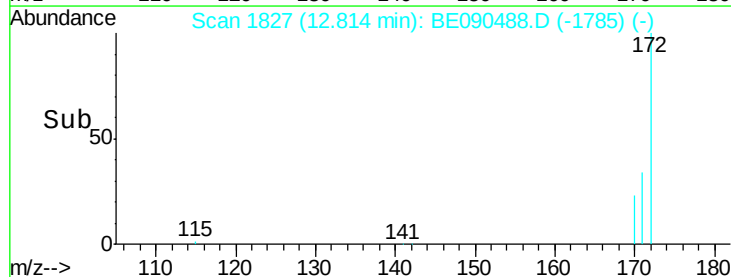
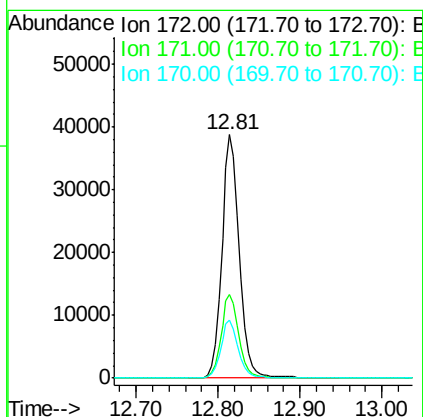
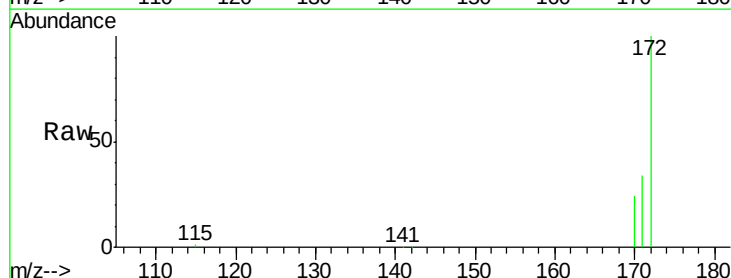
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84984BS

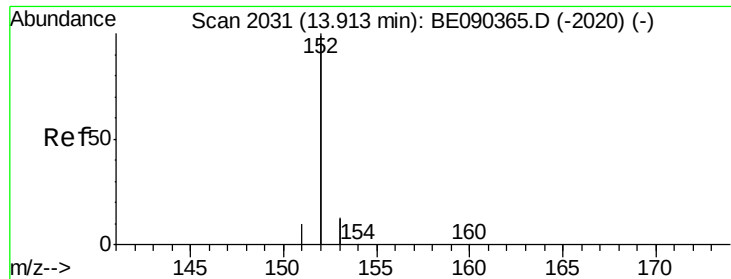
Tgt Ion: 330 Resp: 14794  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 75.8 113.6  
 141 156.0 114.4 171.6



#14  
 2-Fluorobiphenyl  
 Concen: 4.23 ng  
 RT: 12.81 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

Tgt Ion: 172 Resp: 57441  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 28.5 42.7  
 170 23.6 19.8 29.8





#15

Acenaphthylene

Concen: 3.97 ng

RT: 13.91 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

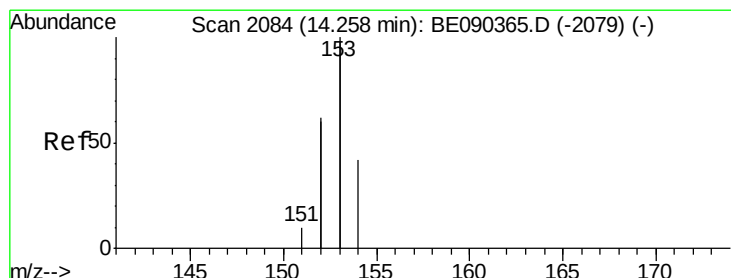
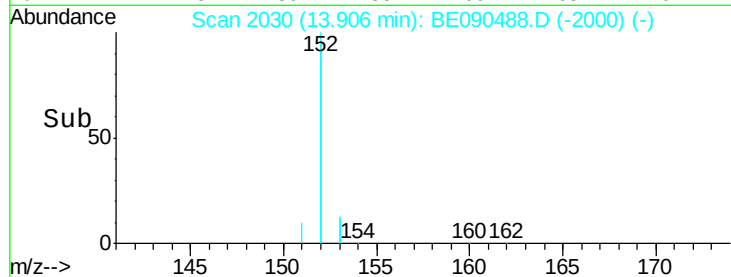
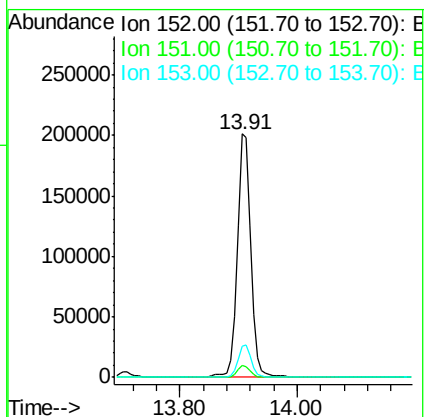
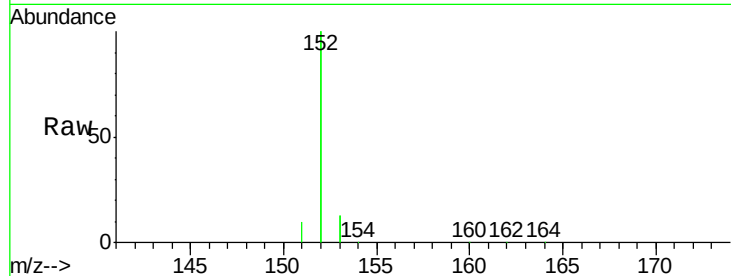
Tgt Ion:152 Resp: 317281

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

153 13.0 10.3 15.5



#16

Acenaphthene

Concen: 3.78 ng

RT: 14.26 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

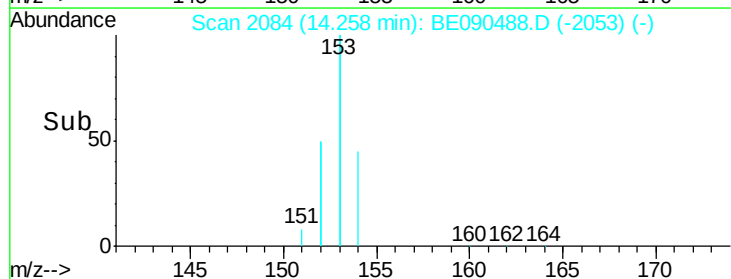
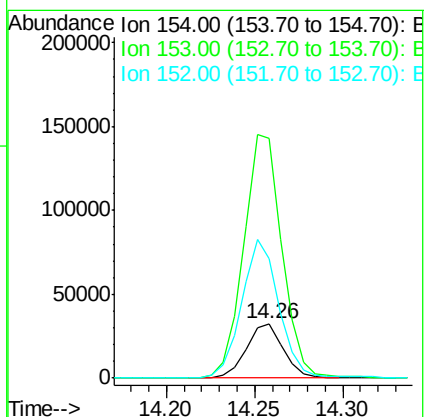
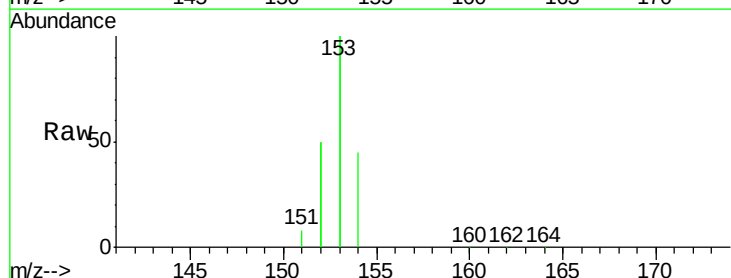
Tgt Ion:154 Resp: 46942

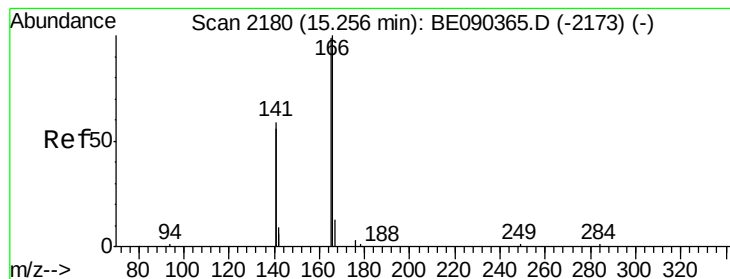
Ion Ratio Lower Upper

154 100

153 464.8 376.2 564.2

152 256.6 235.0 352.4





#17

Fluorene

Concen: 4.00 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

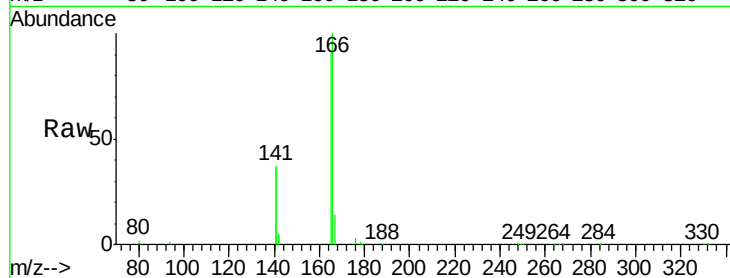
Tgt Ion:166 Resp: 64567

Ion Ratio Lower Upper

166 100

165 98.6 81.5 122.3

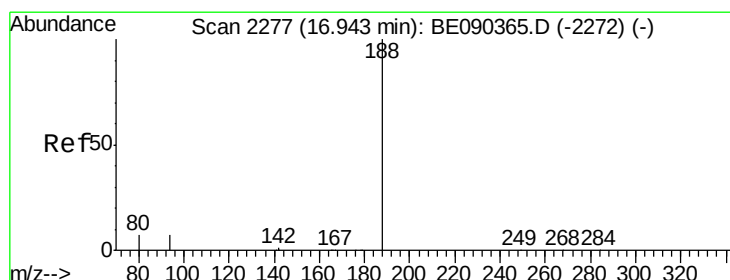
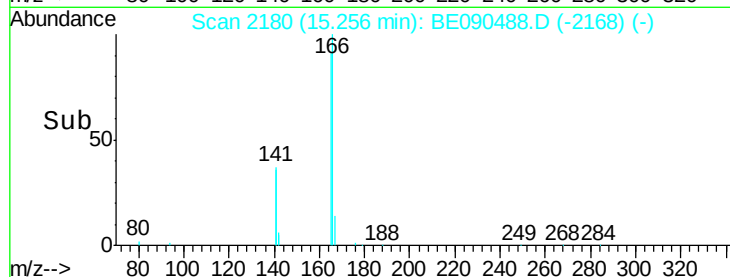
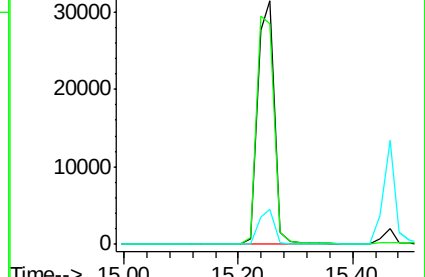
167 13.5 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

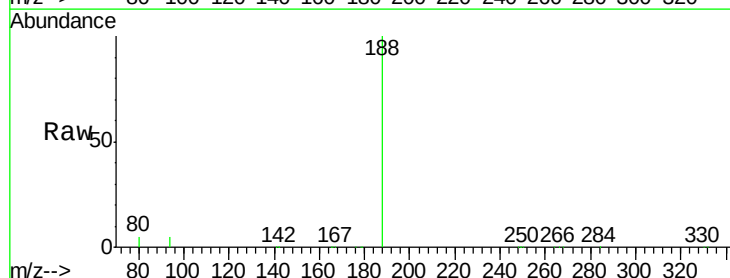
Tgt Ion:188 Resp: 115369

Ion Ratio Lower Upper

188 100

94 4.9 5.7 8.5#

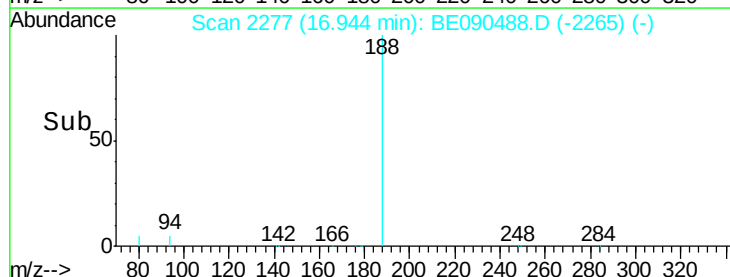
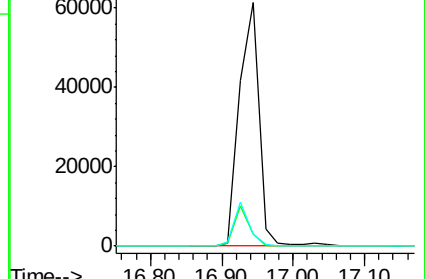
80 4.9 5.8 8.8#

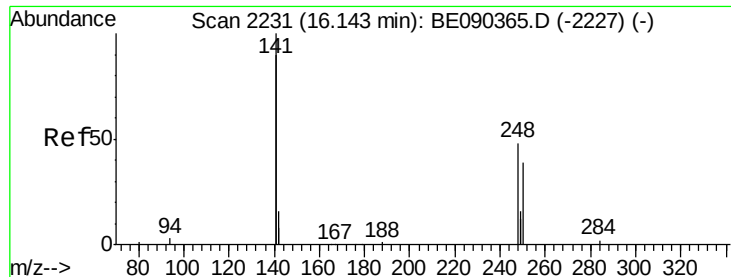


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

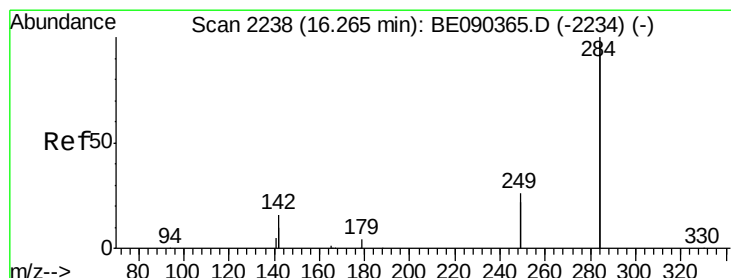
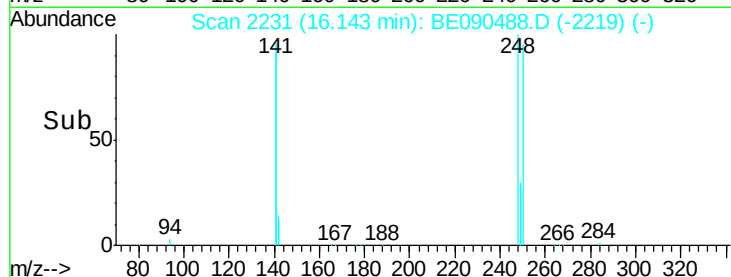
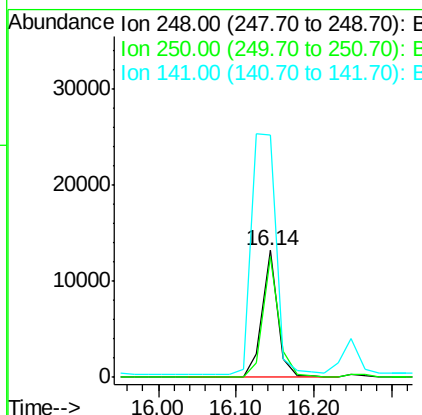
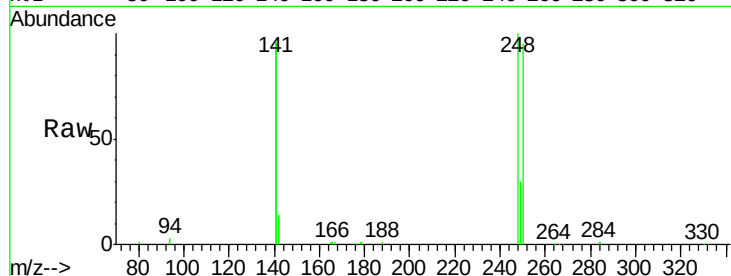




#19  
4-Bromophenyl-phenylether  
Concen: 4.13 ng  
RT: 16.14 min Scan# 2231  
Delta R.T. 0.00 min  
Lab File: BE090488.D  
Acq: 13 Aug 2015 3:46

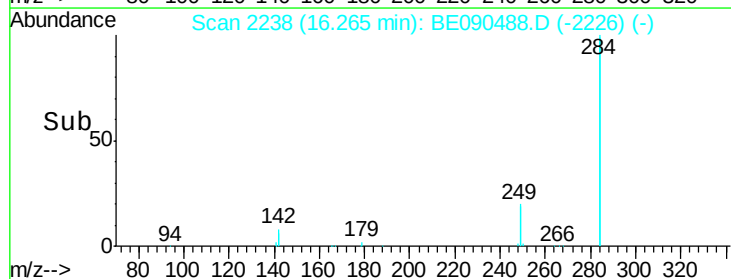
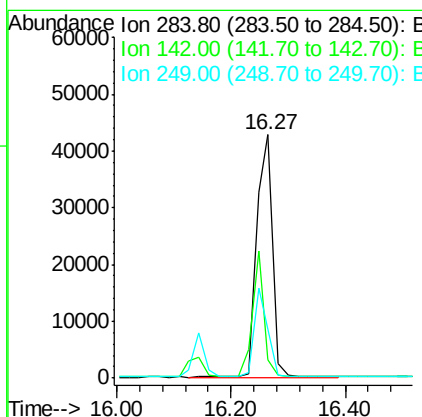
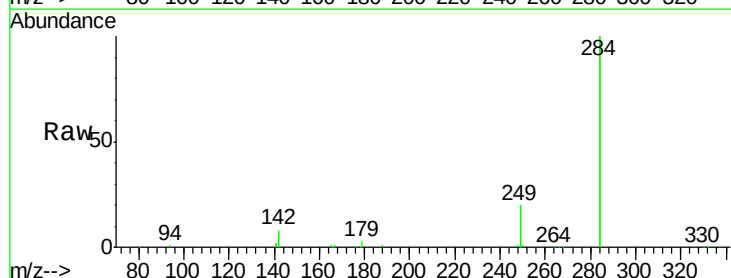
Instrument :  
BNA\_E  
ClientSampleId :  
PB84984BS

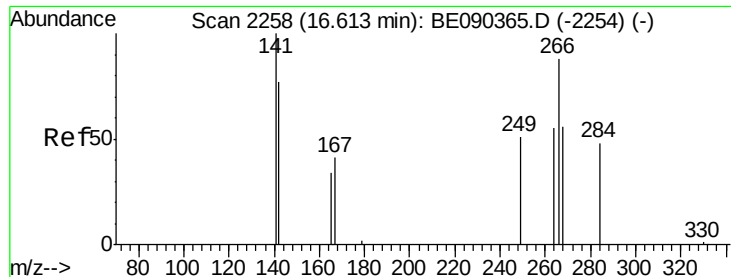
Tgt Ion:248 Resp: 18537  
Ion Ratio Lower Upper  
248 100  
250 95.9 79.0 118.6  
141 297.4 239.5 359.3



#20  
Hexachlorobenzene  
Concen: 3.55 ng  
RT: 16.27 min Scan# 2238  
Delta R.T. 0.00 min  
Lab File: BE090488.D  
Acq: 13 Aug 2015 3:46

Tgt Ion:284 Resp: 82398  
Ion Ratio Lower Upper  
284 100  
142 38.0 30.1 45.1  
249 31.8 25.7 38.5

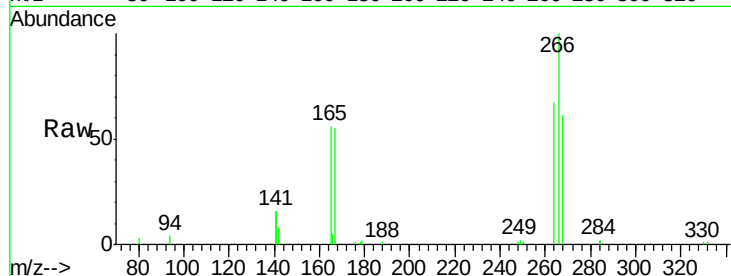




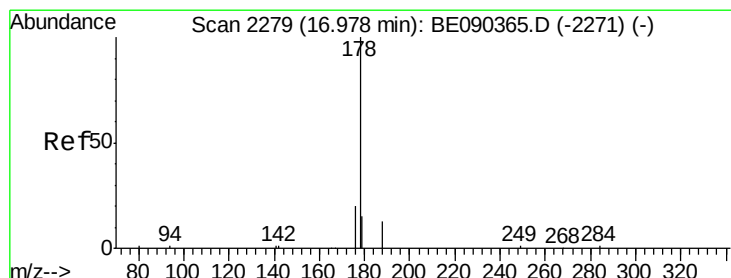
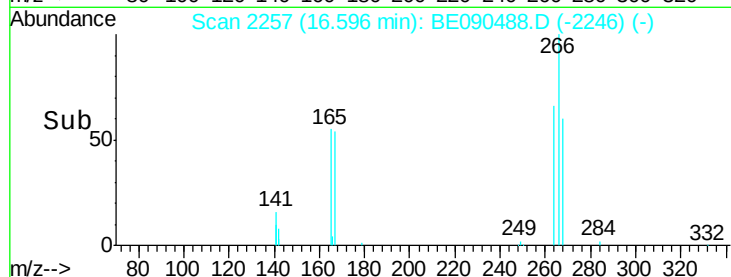
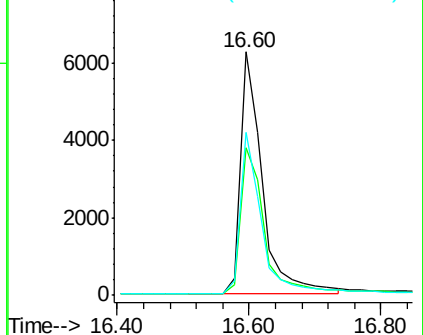
#21  
 Pentachlorophenol  
 Concen: 7.83 ng  
 RT: 16.60 min Scan# 2257  
 Delta R.T. -0.02 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84984BS

Tgt Ion: 266 Resp: 14228  
 Ion Ratio Lower Upper  
 266 100  
 268 60.8 58.5 87.7  
 264 66.7 56.0 84.0

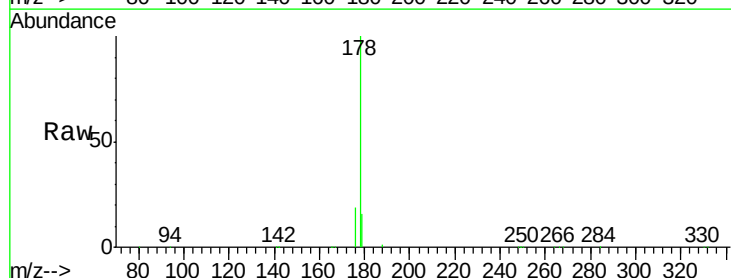


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

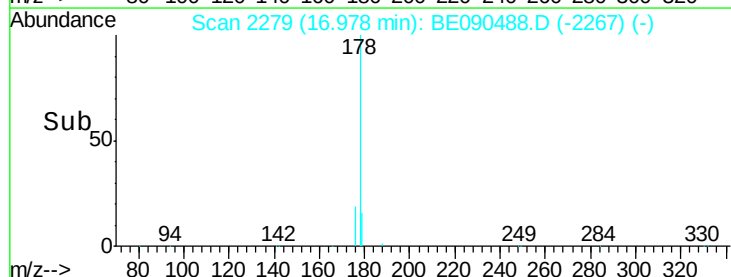
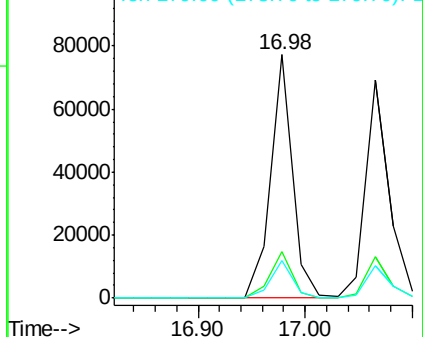


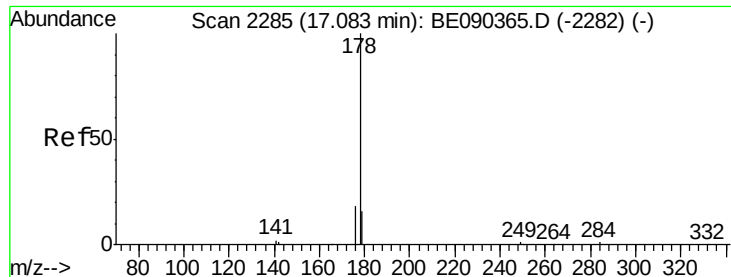
#22  
 Phenanthrene  
 Concen: 3.83 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

Tgt Ion: 178 Resp: 110704  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.4 23.2  
 179 15.5 12.5 18.7



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: 4.49 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

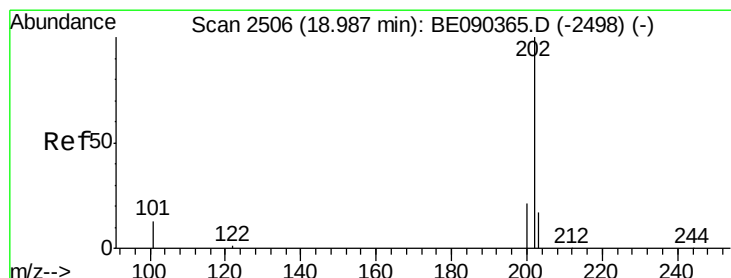
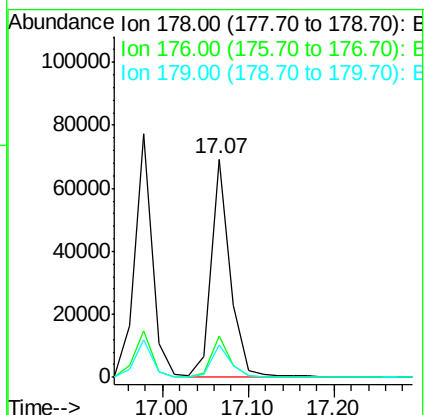
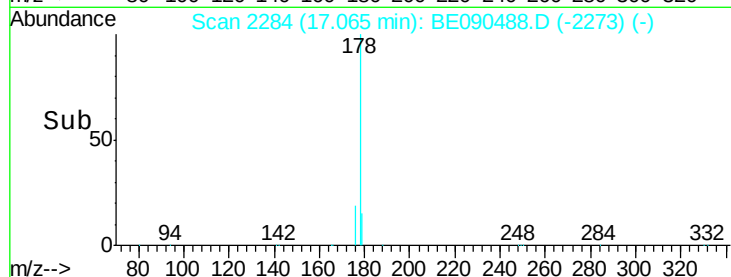
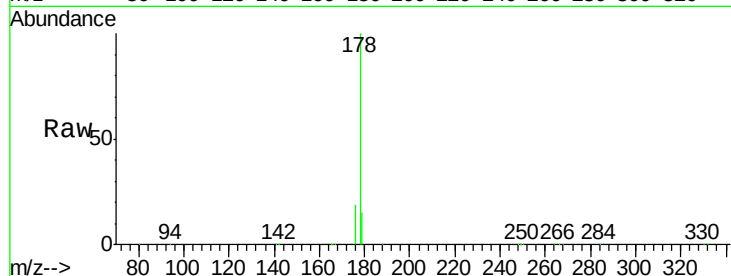
Tgt Ion:178 Resp: 106495

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.4 12.2 18.4



#24

Fluoranthene

Concen: 4.41 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

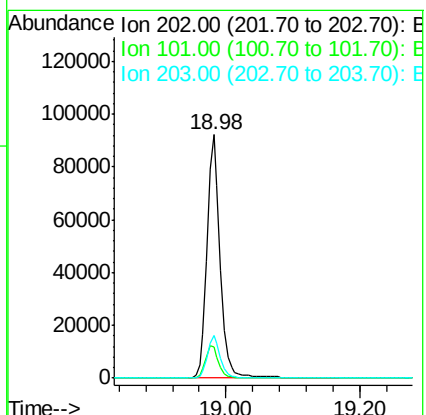
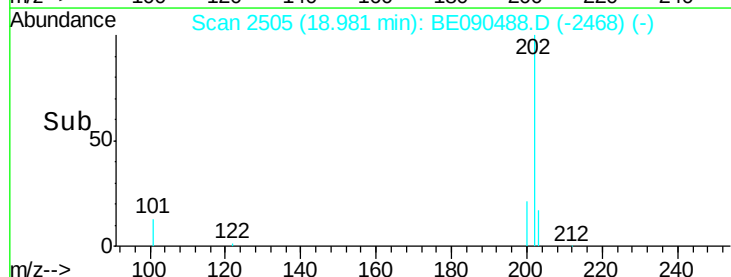
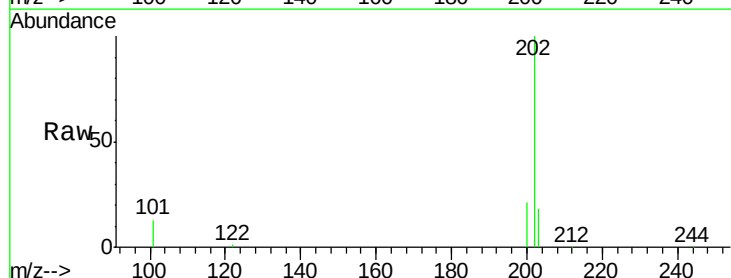
Tgt Ion:202 Resp: 125351

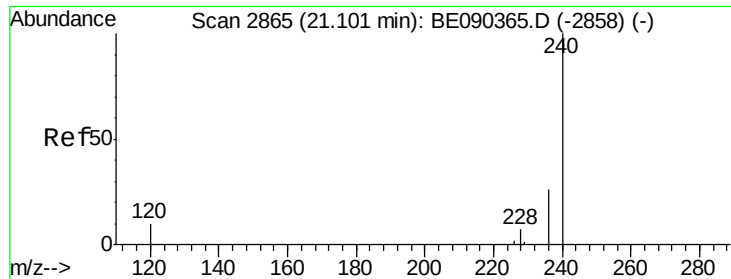
Ion Ratio Lower Upper

202 100

101 13.3 10.3 15.5

203 17.1 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

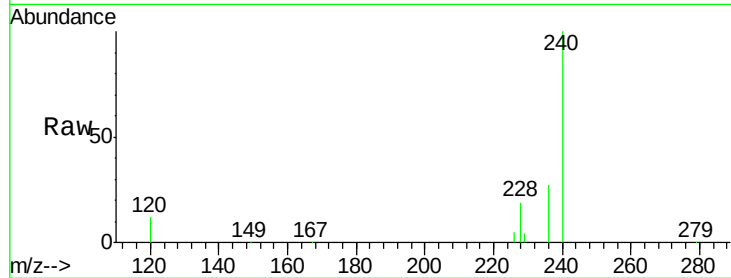
Tgt Ion:240 Resp: 141285

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

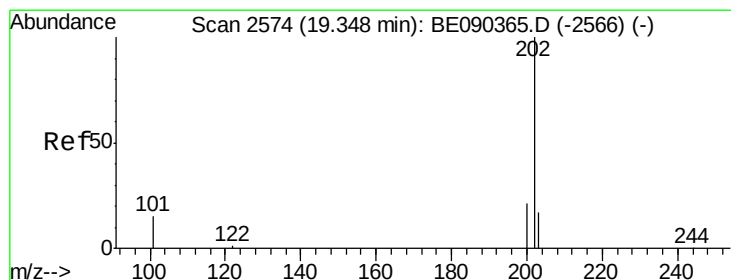
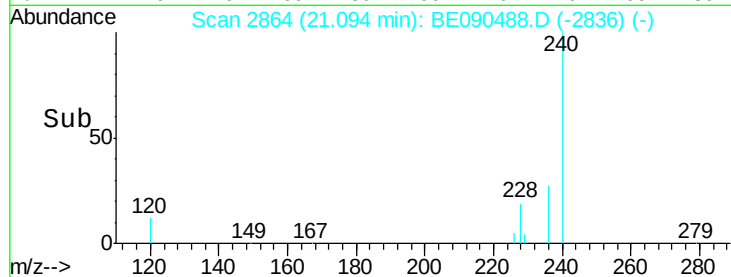
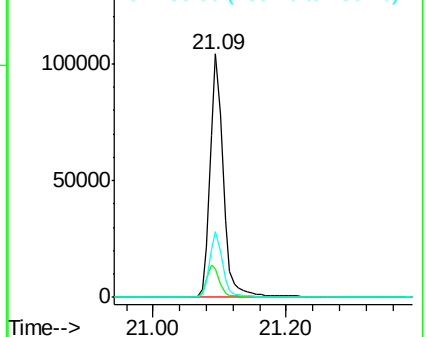
236 26.9 21.0 31.4



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: 4.46 ng

RT: 19.34 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

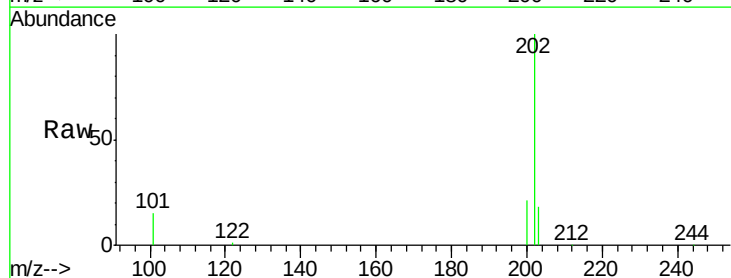
Tgt Ion:202 Resp: 136603

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

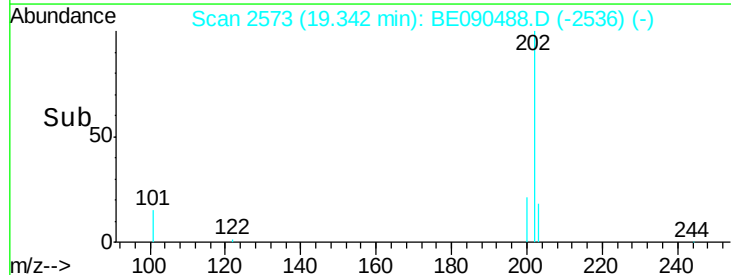
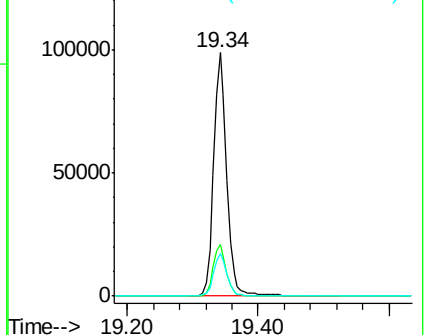
203 18.0 13.8 20.8

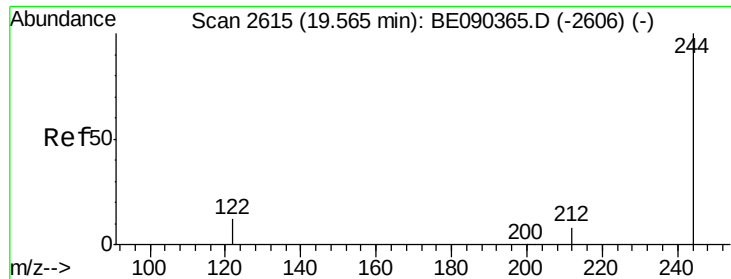


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

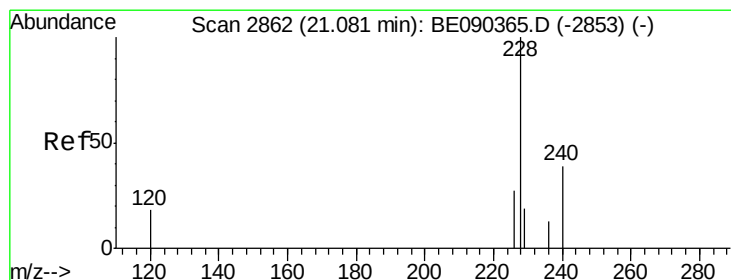
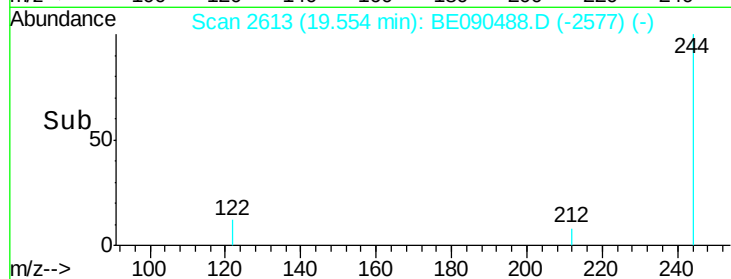
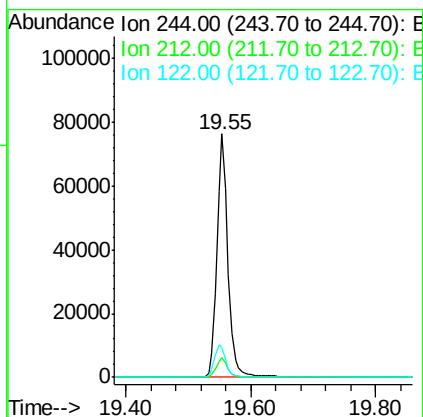
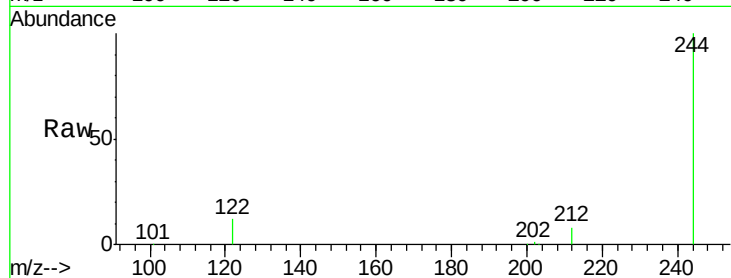




#27  
 Terphenyl-d14  
 Concen: 4.49 ng  
 RT: 19.55 min Scan# 2613  
 Delta R.T. -0.01 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

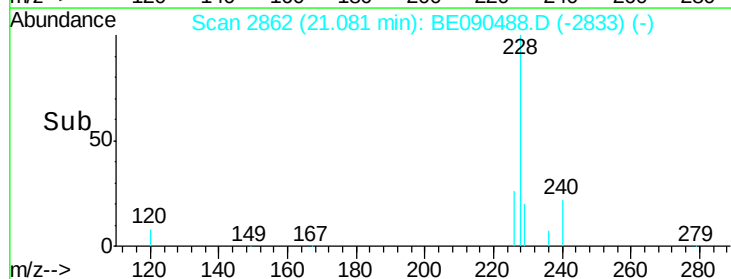
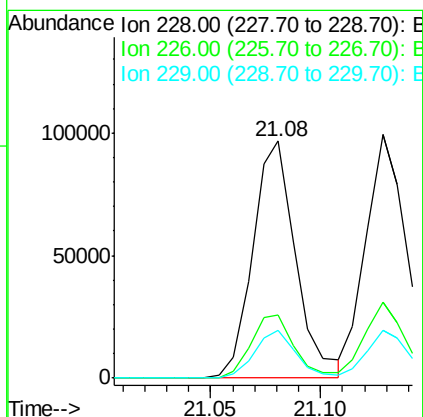
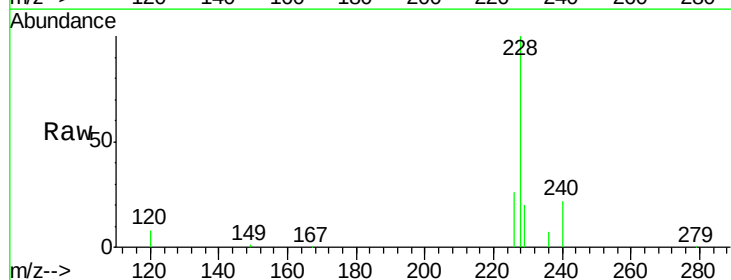
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84984BS

Tgt Ion:244 Resp: 93467  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.6 9.8  
 122 12.2 10.2 15.4

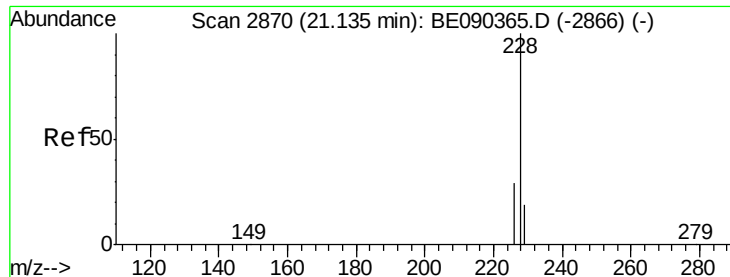


#28  
 Benzo(a)anthracene  
 Concen: 4.21 ng  
 RT: 21.08 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: BE090488.D  
 Acq: 13 Aug 2015 3:46

Tgt Ion:228 Resp: 131848  
 Ion Ratio Lower Upper  
 228 100  
 226 26.5 21.9 32.9  
 229 20.0 15.4 23.0







#29

Chrysene

Concen: 3.62 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

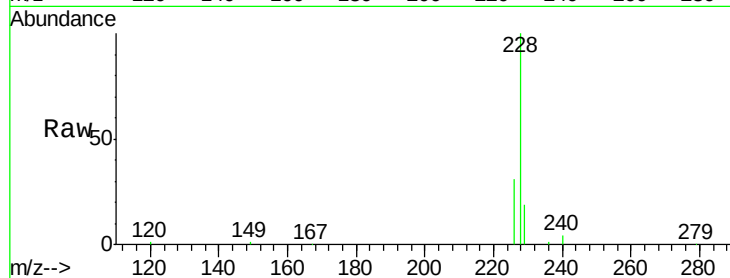
Tgt Ion:228 Resp: 136884

Ion Ratio Lower Upper

228 100

226 31.0 23.1 34.7

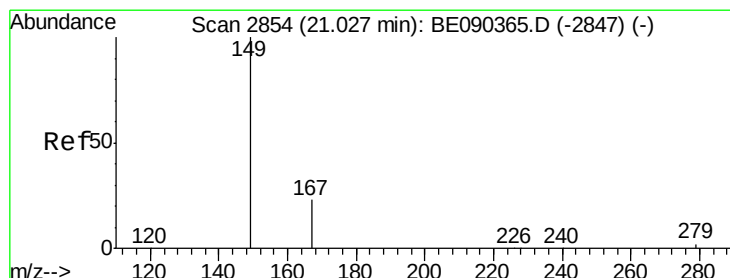
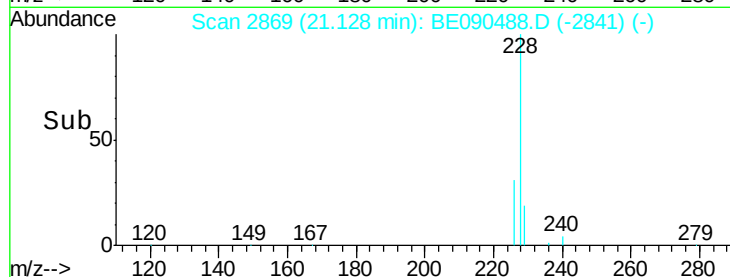
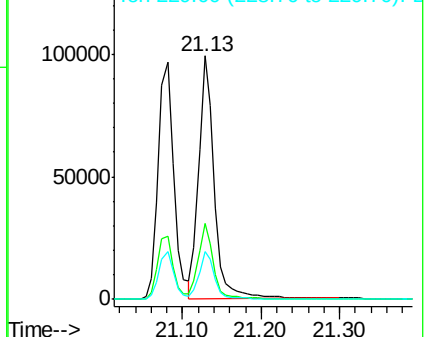
229 19.5 15.8 23.8



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: 4.18 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

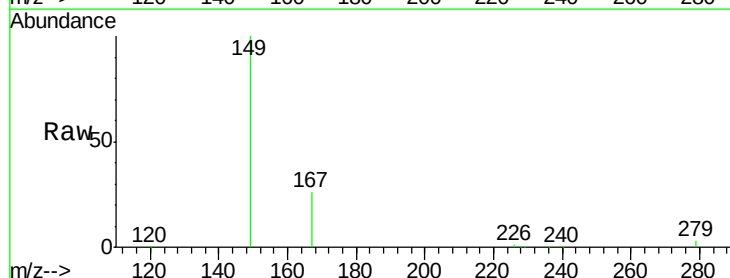
Tgt Ion:149 Resp: 44264

Ion Ratio Lower Upper

149 100

167 25.7 19.8 29.8

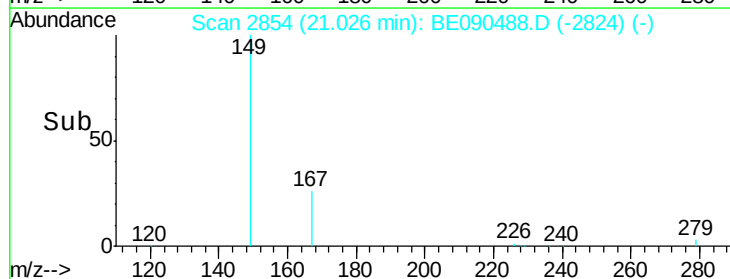
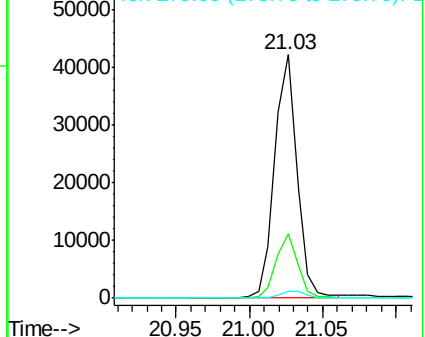
279 3.2 2.4 3.6

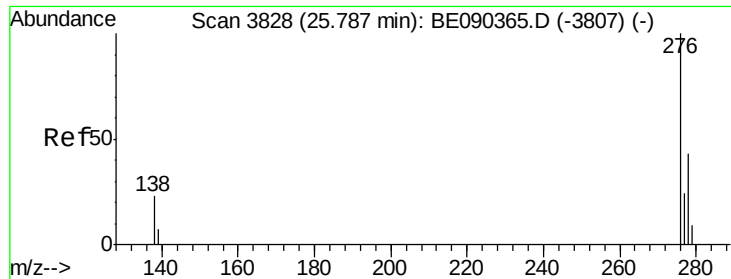


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.42 ng

RT: 25.78 min Scan# 3826

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

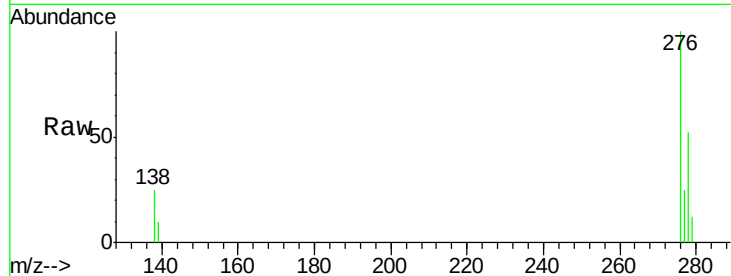
Tgt Ion: 276 Resp: 114047

Ion Ratio Lower Upper

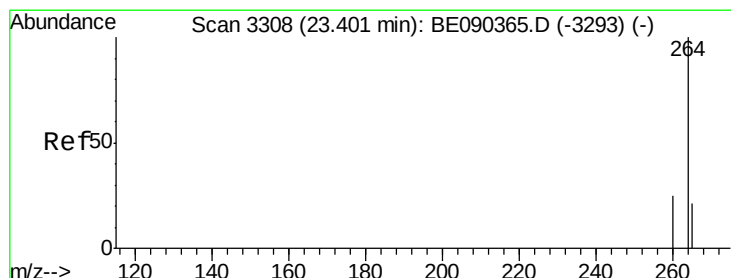
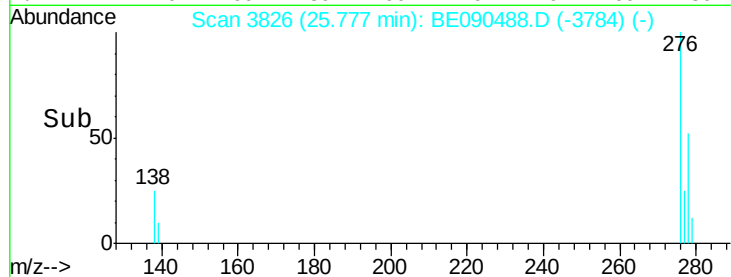
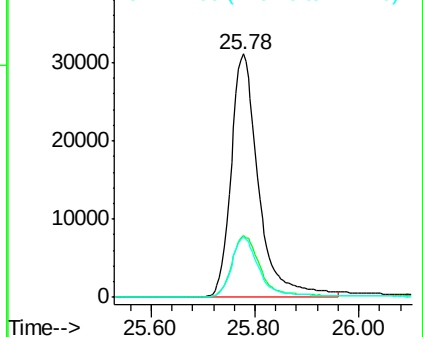
276 100

138 26.5 18.8 28.2

277 24.8 18.2 27.4



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: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

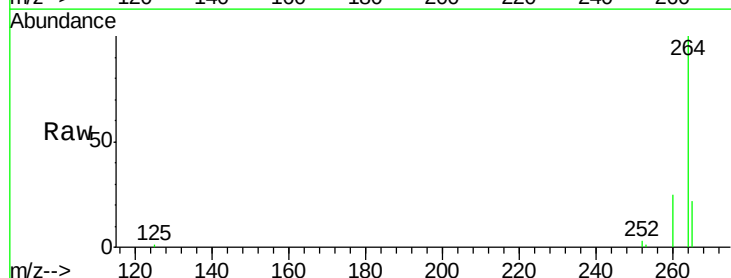
Tgt Ion: 264 Resp: 121786

Ion Ratio Lower Upper

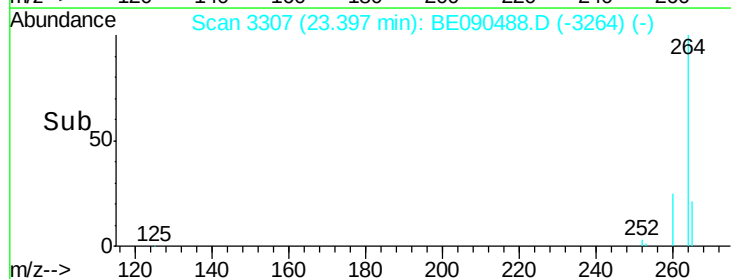
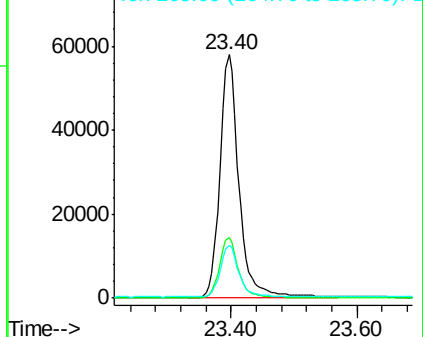
264 100

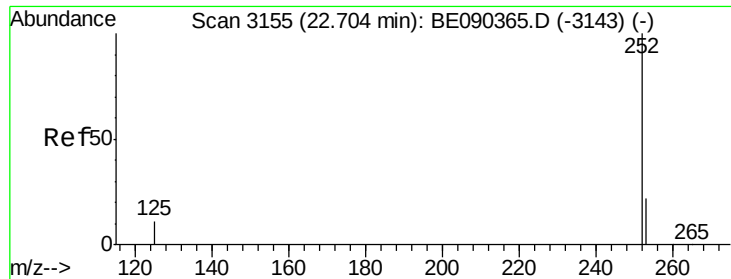
260 24.9 20.1 30.1

265 21.9 17.2 25.8



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: 4.04 ng

RT: 22.70 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

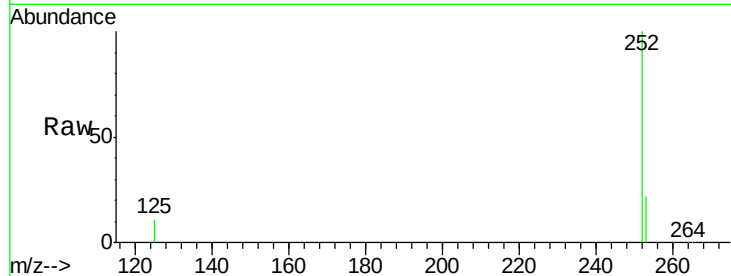
Tgt Ion:252 Resp: 110023

Ion Ratio Lower Upper

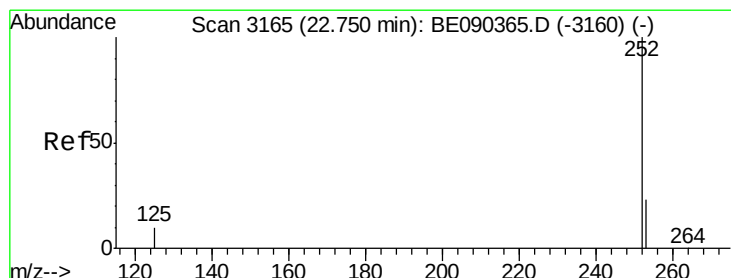
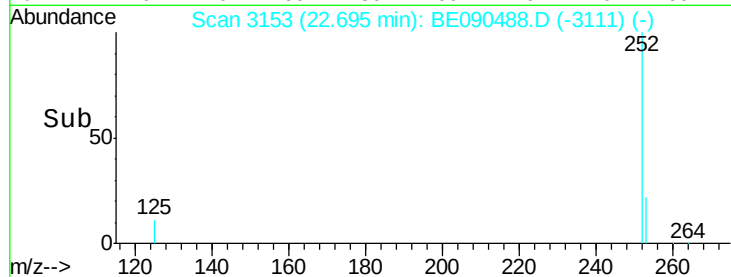
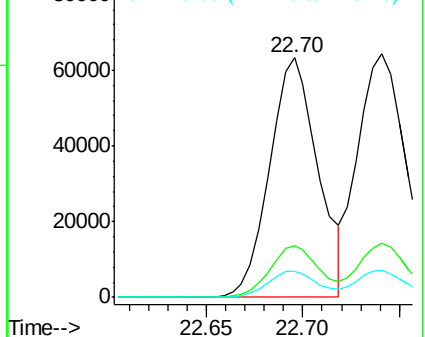
252 100

253 21.8 18.1 27.1

125 11.1 9.4 14.2



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



#34

Benzo(k)fluoranthene

Concen: 3.65 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

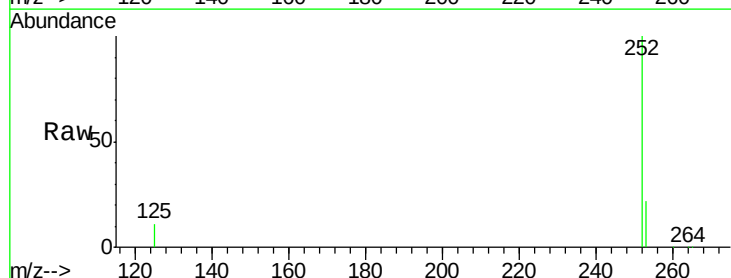
Tgt Ion:252 Resp: 123776

Ion Ratio Lower Upper

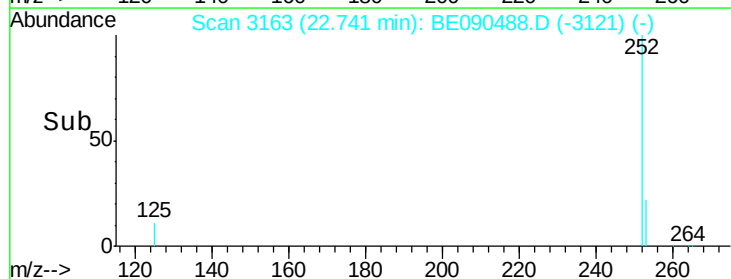
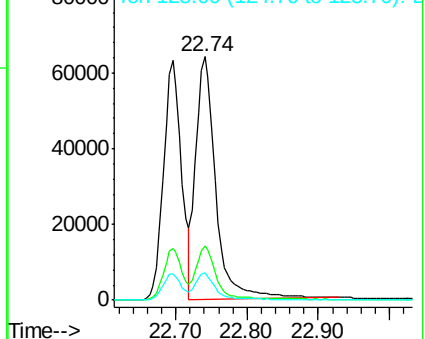
252 100

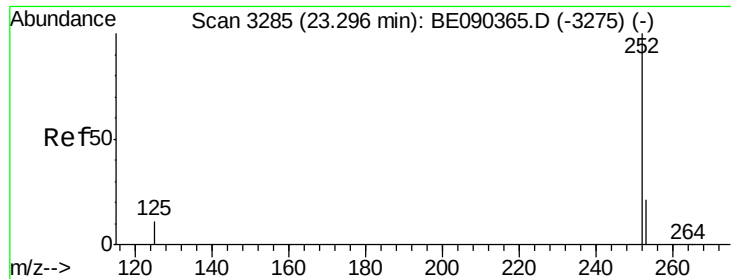
253 22.0 18.1 27.1

125 11.3 9.1 13.7



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





#35

Benzo(a)pyrene

Concen: 3.88 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS

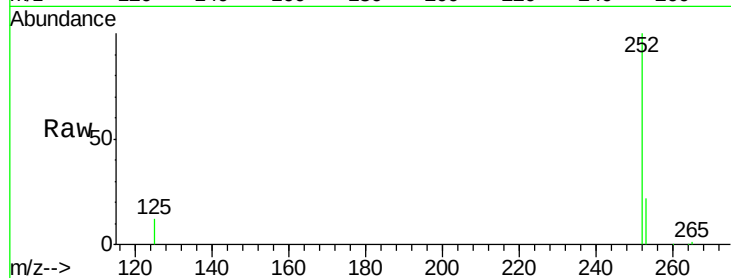
Tgt Ion:252 Resp: 99659

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

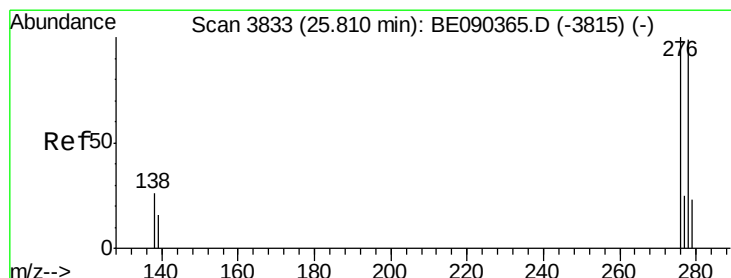
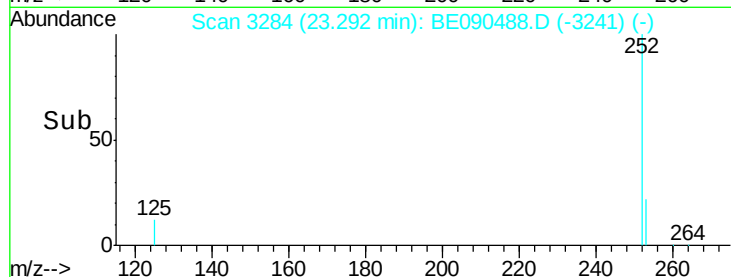
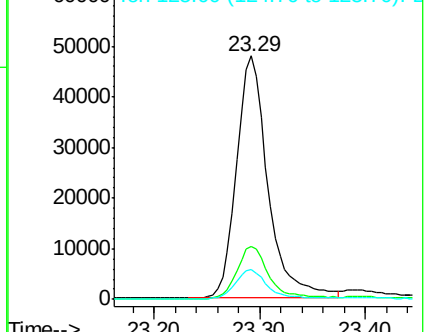
125 12.5 9.8 14.6



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



#36

Dibenzo(a,h)anthracene

Concen: 3.63 ng

RT: 25.80 min Scan# 3830

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

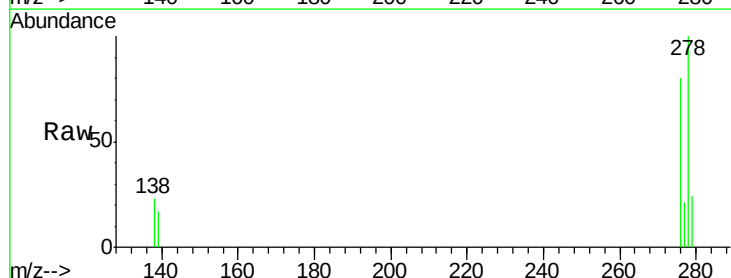
Tgt Ion:278 Resp: 90482

Ion Ratio Lower Upper

278 100

139 17.4 14.2 21.4

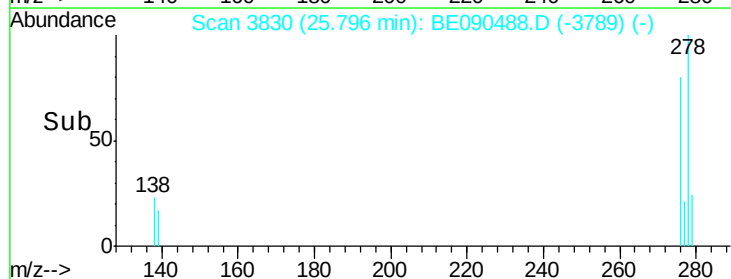
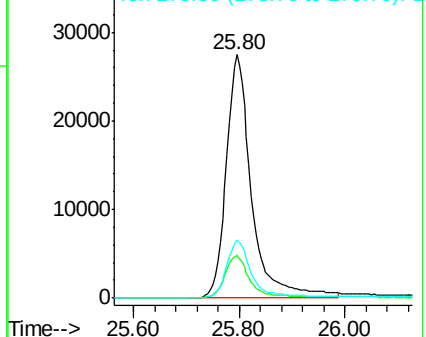
279 24.0 20.1 30.1

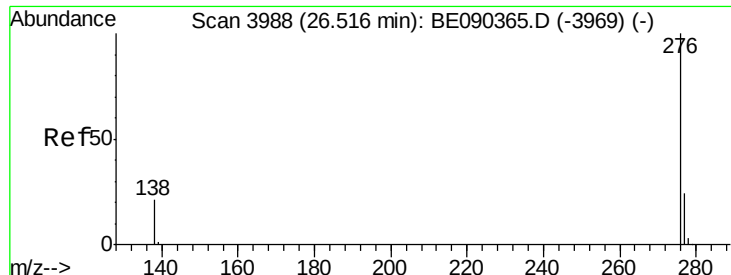


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 4.46 ng

RT: 26.51 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BE090488.D

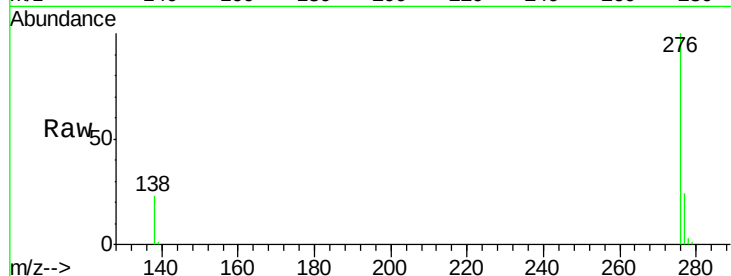
Acq: 13 Aug 2015 3:46

Instrument :

BNA\_E

ClientSampleId :

PB84984BS



Tgt Ion: 276 Resp: 100316

Ion Ratio Lower Upper

276 100

277 23.6 20.1 30.1

138 23.3 18.1 27.1

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

