

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE101716\  
 Data File : BE092460.D  
 Acq On : 17 Oct 2016 19:44  
 Operator : UM/SJ  
 Sample : PB93716BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

Quant Time: Oct 18 00:58:30 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 22 18:25:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 14921    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.95 | 136  | 65925    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.82 | 164  | 41933    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.58 | 188  | 72838    | 5.00 | ng    | 0.02     |
| 24) Chrysene-d12          | 21.75 | 240  | 106652   | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.11 | 264  | 96367    | 5.00 | ng    | 0.02     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.67  | 112 | 26248 | 7.46 | ng | -0.02 |
| 5) Phenol-d6                | 7.34  | 99  | 33436 | 6.67 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 9.32  | 82  | 16291 | 3.48 | ng | -0.04 |
| 13) 2,4,6-Tribromophenol    | 16.31 | 330 | 8606  | 5.83 | ng | 0.00  |
| 14) 2-Fluorobiphenyl        | 13.43 | 172 | 37935 | 3.82 | ng | -0.01 |
| 26) Terphenyl-d14           | 20.17 | 244 | 45003 | 3.40 | ng | 0.00  |

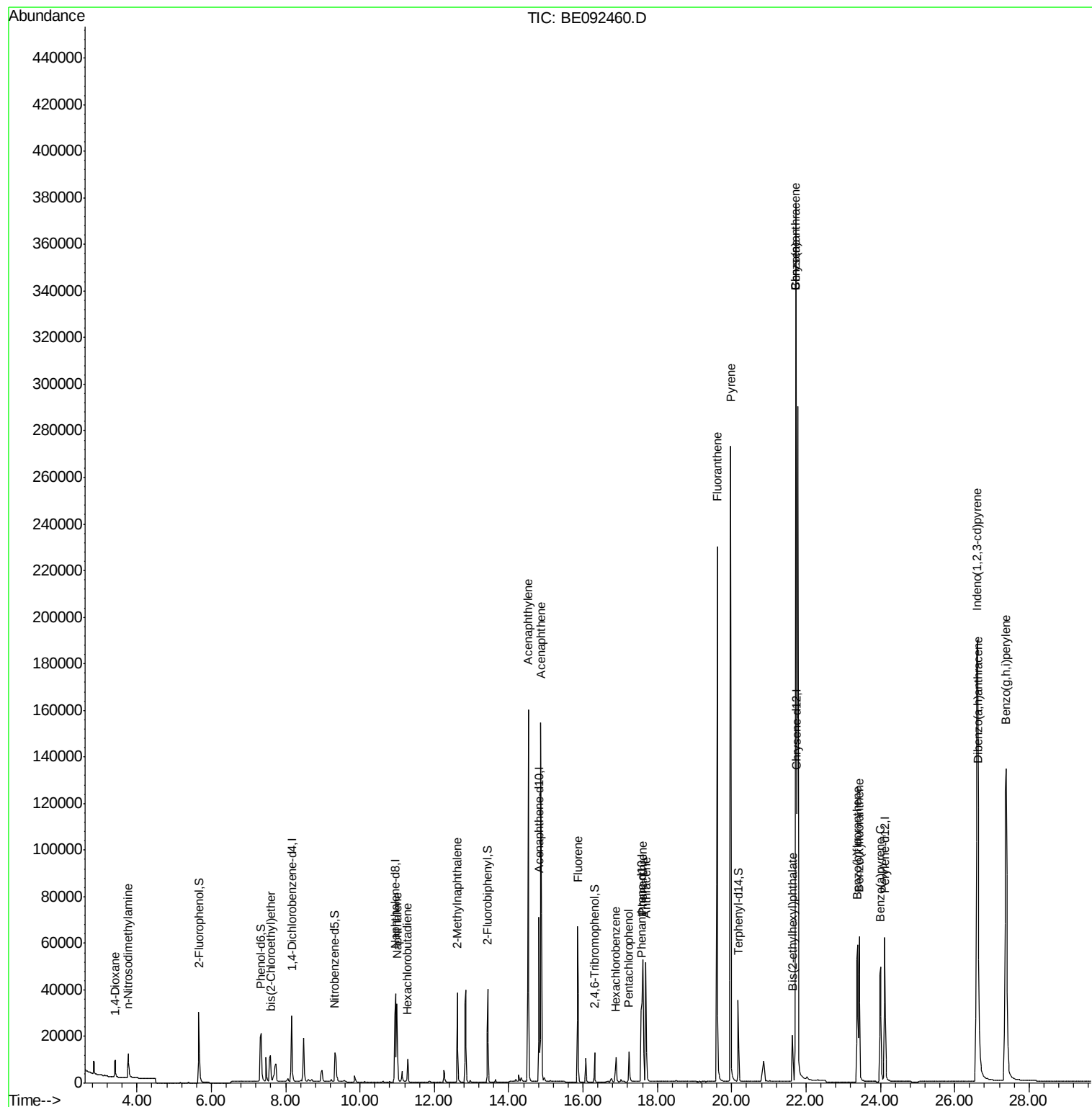
|                                |       |     |        |      |    |        |
|--------------------------------|-------|-----|--------|------|----|--------|
| Target Compounds               |       |     |        |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 4965   | 3.07 | ng | # 84   |
| 3) n-Nitrosodimethylamine      | 3.76  | 42  | 8560   | 3.67 | ng | # 95   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 13716  | 3.50 | ng | # 27   |
| 9) Naphthalene                 | 10.99 | 128 | 48065  | 3.37 | ng | # 95   |
| 10) Hexachlorobutadiene        | 11.28 | 225 | 7225   | 3.22 | ng | 100    |
| 11) 2-Methylnaphthalene        | 12.62 | 142 | 32446  | 3.43 | ng | # 87   |
| 15) Acenaphthylene             | 14.53 | 152 | 209079 | 3.44 | ng | 99     |
| 16) Acenaphthene               | 14.87 | 154 | 31734  | 3.34 | ng | 94     |
| 17) Fluorene                   | 15.86 | 166 | 41150  | 3.41 | ng | 99     |
| 19) Hexachlorobenzene          | 16.89 | 284 | 11891  | 3.81 | ng | # 63   |
| 20) Pentachlorophenol          | 17.23 | 266 | 10324  | 9.03 | ng | 85     |
| 21) Phenanthrene               | 17.60 | 178 | 65994  | 3.94 | ng | # 94   |
| 22) Anthracene                 | 17.69 | 178 | 67608  | 4.20 | ng | 99     |
| 23) Fluoranthene               | 19.61 | 202 | 288872 | 3.63 | ng | 99     |
| 25) Pyrene                     | 19.97 | 202 | 313364 | 3.39 | ng | 99     |
| 27) Benzo(a)anthracene         | 21.72 | 228 | 718068 | 6.91 | ng | # 90   |
| 28) Chrysene                   | 21.72 | 228 | 722054 | 7.59 | ng | # 70   |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 29705  | 3.32 | ng | # 74   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.60 | 276 | 407133 | 4.03 | ng | 98     |
| 32) Benzo(b)fluoranthene       | 23.38 | 252 | 92959  | 3.98 | ng | # 96   |
| 33) Benzo(k)fluoranthene       | 23.43 | 252 | 84408  | 3.46 | ng | 94     |
| 34) Benzo(a)pyrene             | 24.01 | 252 | 87247  | 3.81 | ng | # 95   |
| 35) Dibenzo(a,h)anthracene     | 26.63 | 278 | 84610  | 4.03 | ng | # 94   |
| 36) Benzo(g,h,i)perylene       | 27.38 | 276 | 350417 | 3.89 | ng | 97     |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

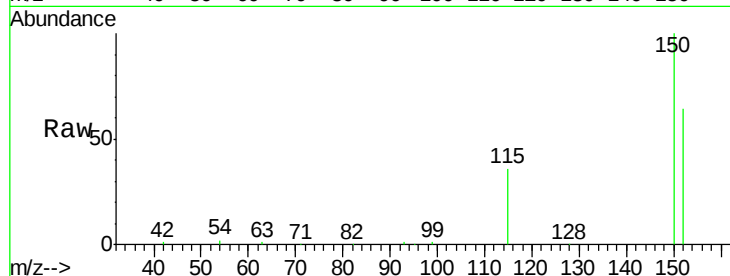
Tgt Ion:152 Resp: 14921

Ion Ratio Lower Upper

152 100

150 157.3 106.0 159.0

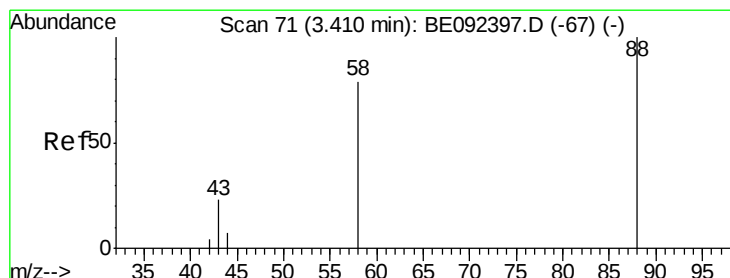
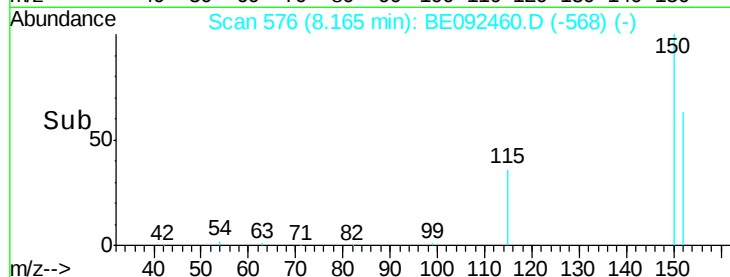
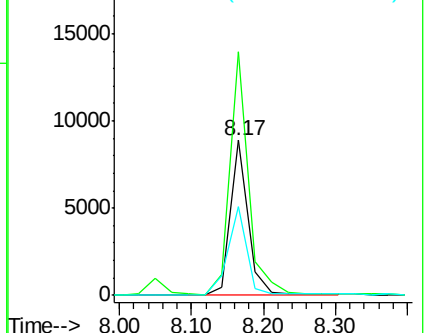
115 57.3 31.2 46.8#



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: 3.07 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

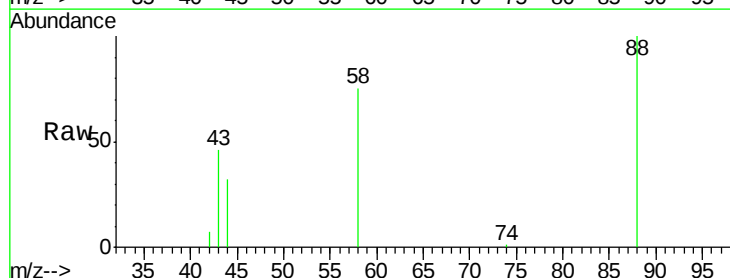
Tgt Ion: 88 Resp: 4965

Ion Ratio Lower Upper

88 100

58 90.9 63.6 95.4

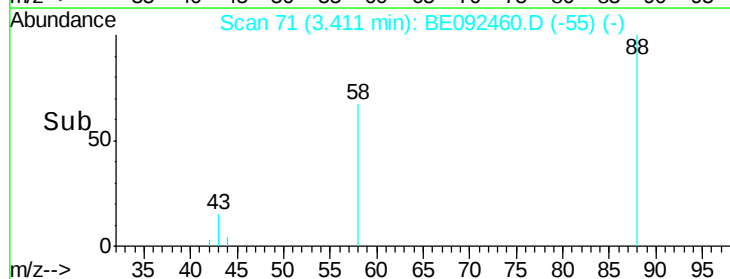
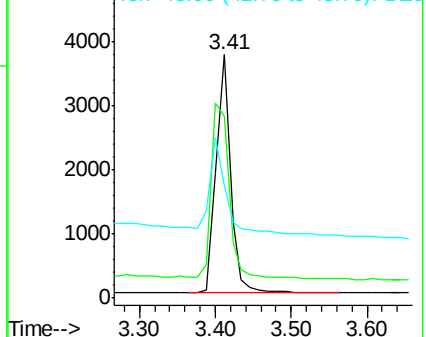
43 48.0 28.0 42.0#

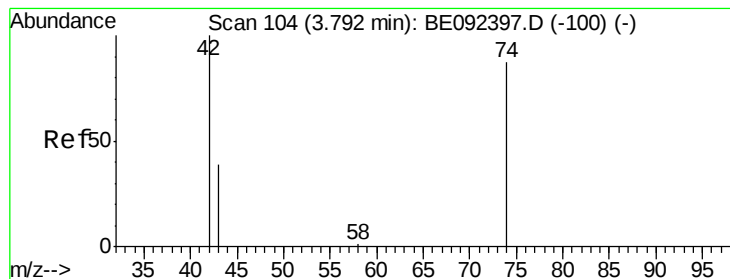


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.67 ng

RT: 3.76 min Scan# 101

Delta R.T. -0.04 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

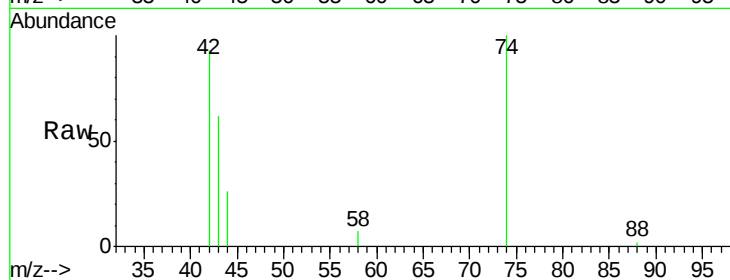
Tgt Ion: 42 Resp: 8560

Ion Ratio Lower Upper

42 100

74 102.4 86.0 129.0

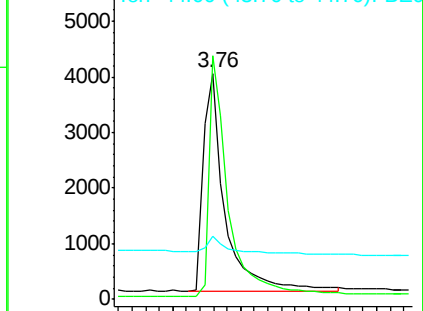
44 8.8 5.1 7.7#



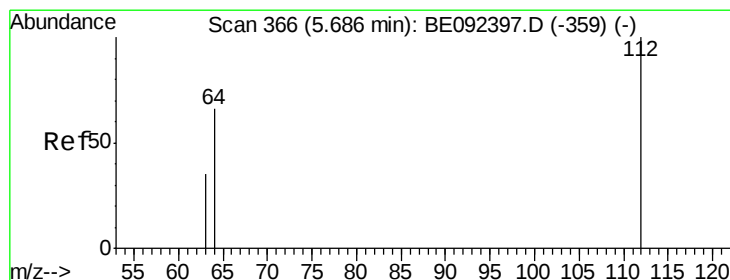
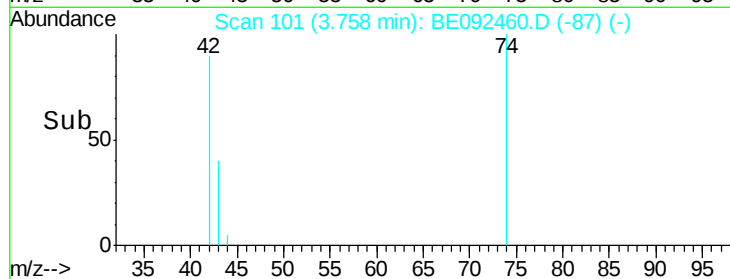
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 7.46 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

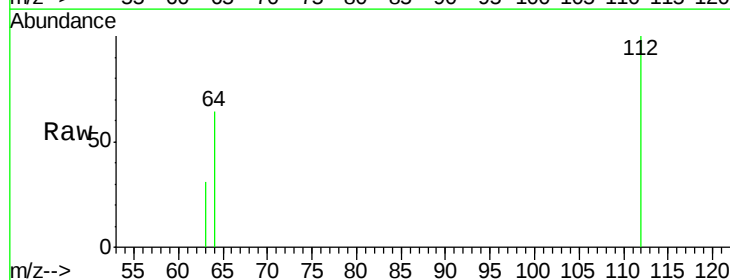
Tgt Ion: 112 Resp: 26248

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

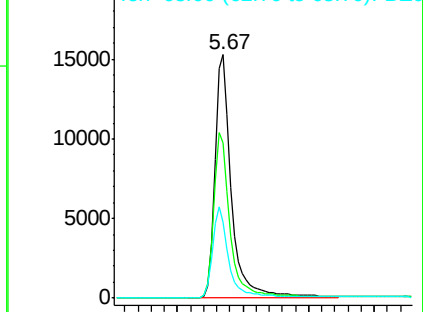
63 36.4 27.9 41.9



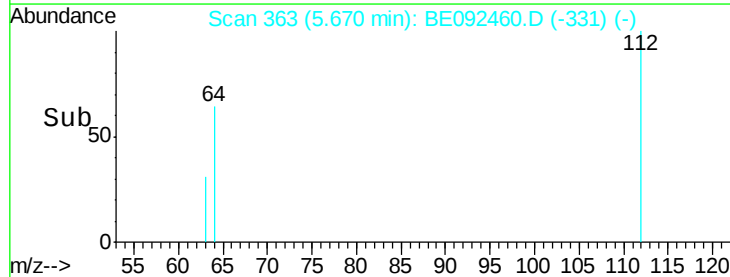
Abundance Ion 112.00 (111.70 to 112.70): E

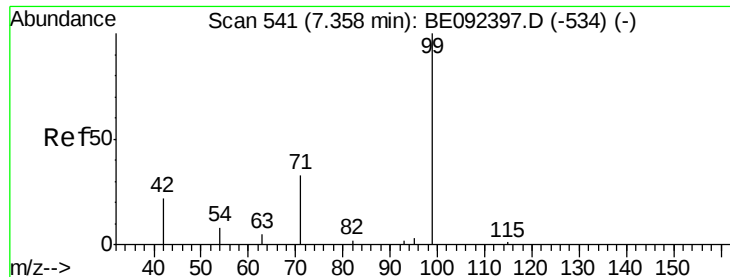
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 6.67 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

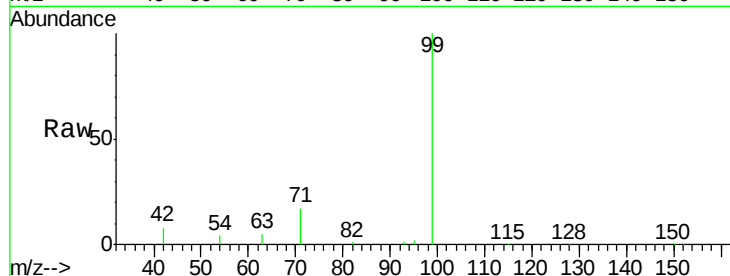
Tgt Ion: 99 Resp: 33436

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

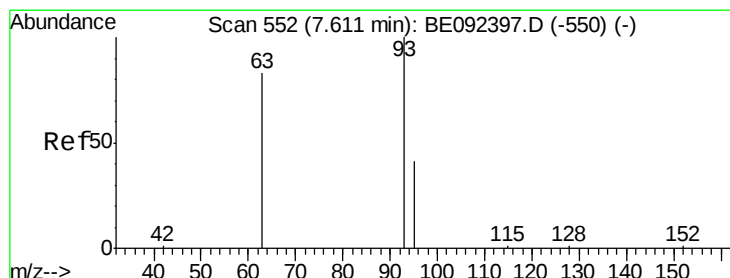
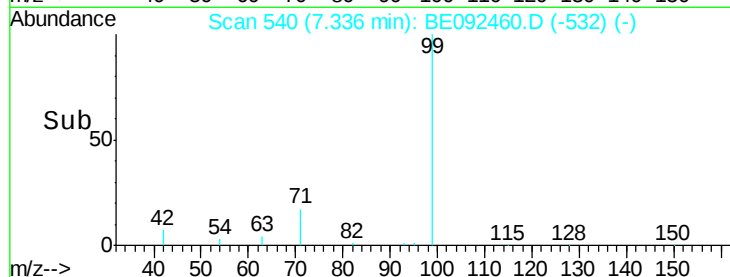
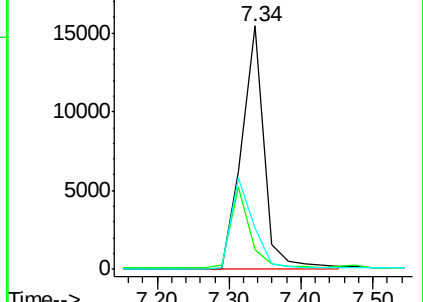
71 0.0 30.6 45.8#



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

bis(2-Chloroethyl)ether

Concen: 3.50 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

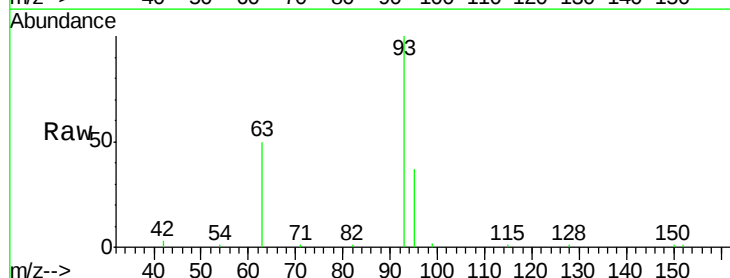
Tgt Ion: 93 Resp: 13716

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

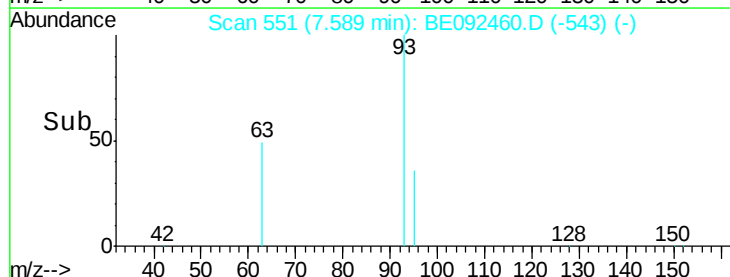
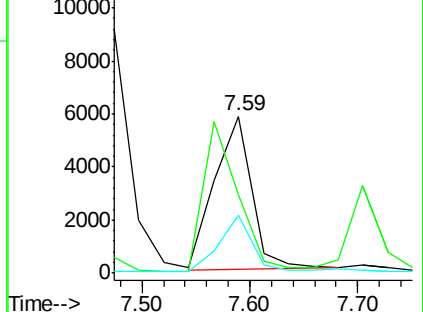
95 32.7 24.0 36.0

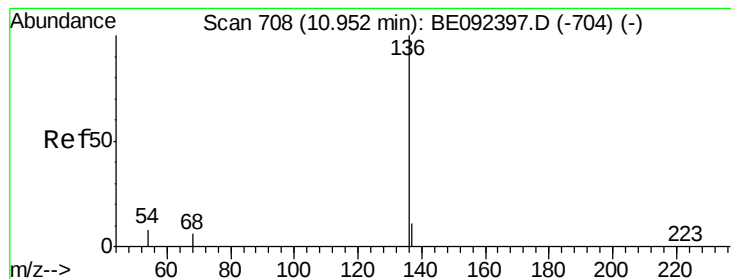


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

Tgt Ion:136 Resp: 65925

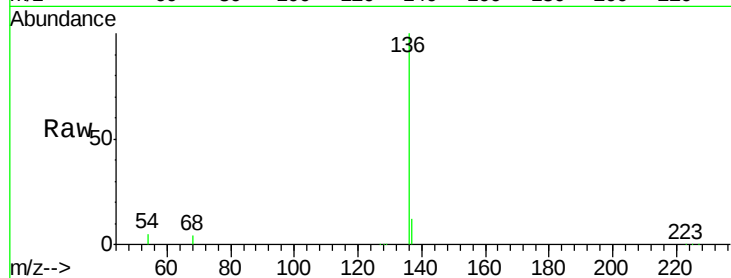
Ion Ratio Lower Upper

136 100

137 11.8 8.2 12.4

54 4.5 9.6 14.4#

68 3.7 6.7 10.1#

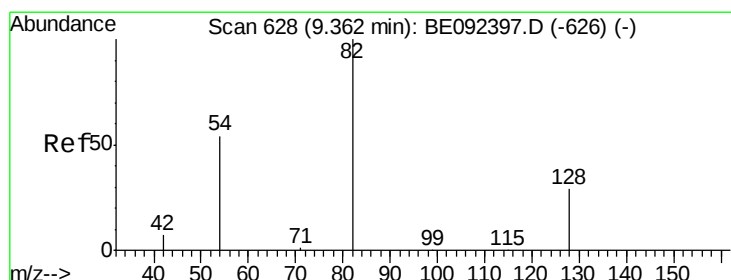
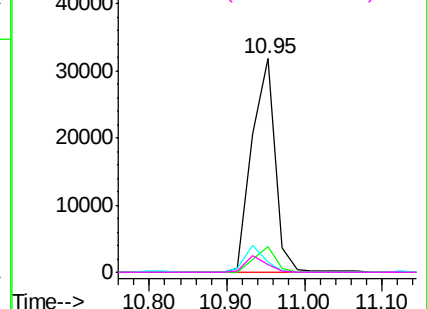
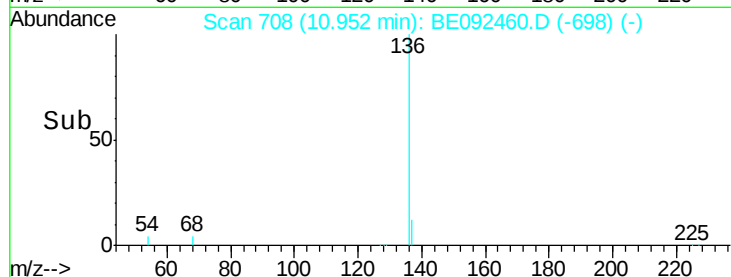


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.48 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

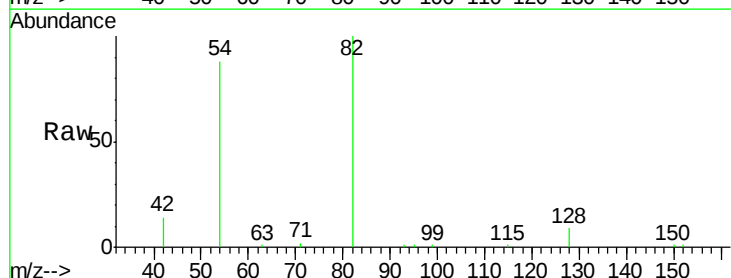
Tgt Ion: 82 Resp: 16291

Ion Ratio Lower Upper

82 100

128 9.5 39.0 58.4#

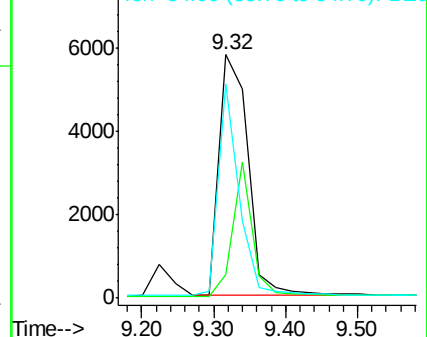
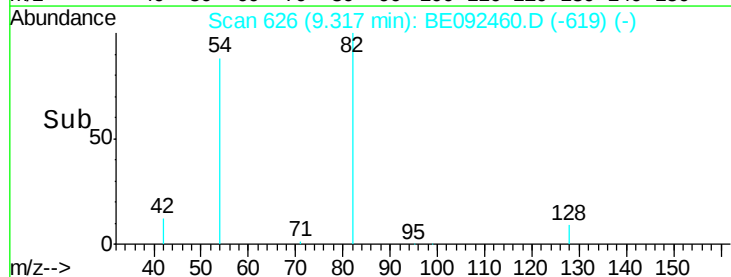
54 88.2 44.8 67.2#

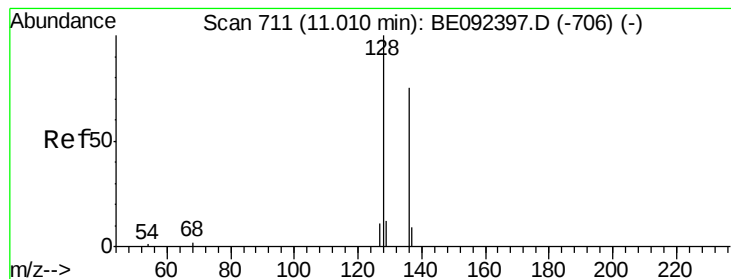


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.37 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

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ClientSampleId :

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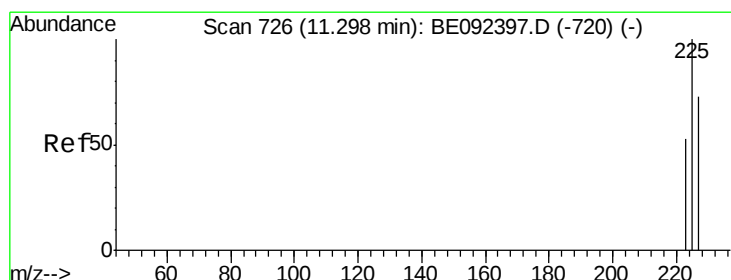
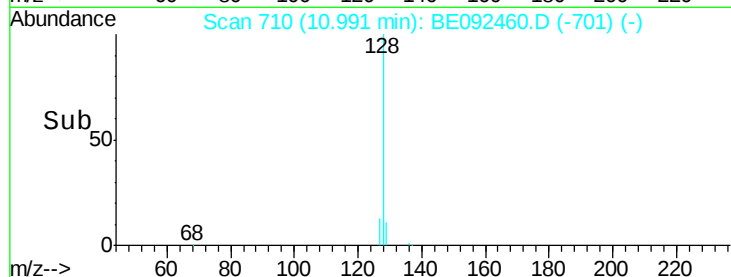
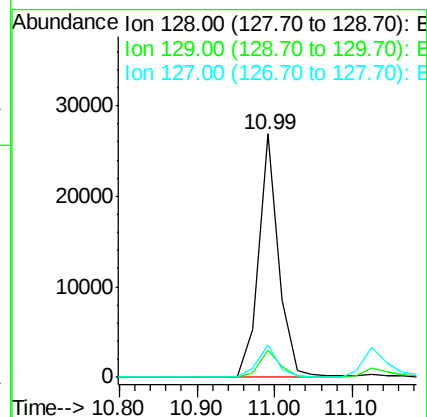
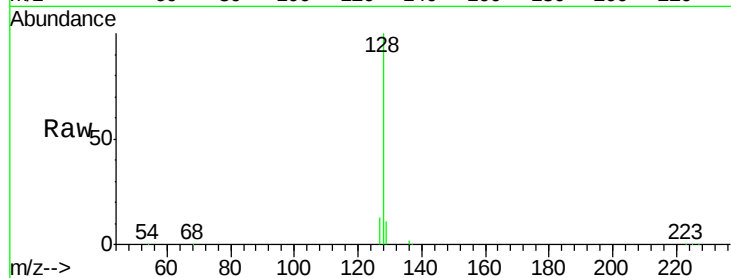
Tgt Ion:128 Resp: 48065

Ion Ratio Lower Upper

128 100

129 11.1 11.2 16.8#

127 13.1 11.6 17.4



#10

Hexachlorobutadiene

Concen: 3.22 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

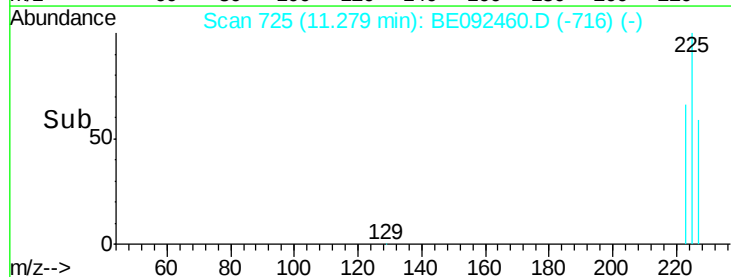
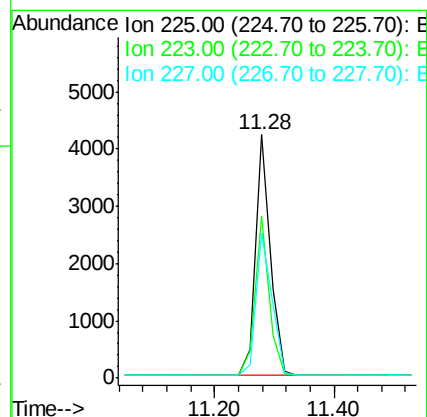
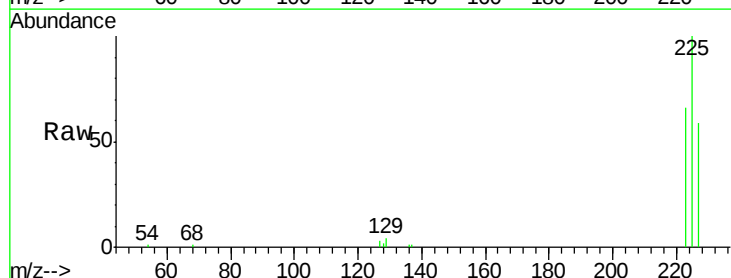
Tgt Ion:225 Resp: 7225

Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 63.7 51.4 77.0





#11

2-Methylnaphthalene

Concen: 3.43 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

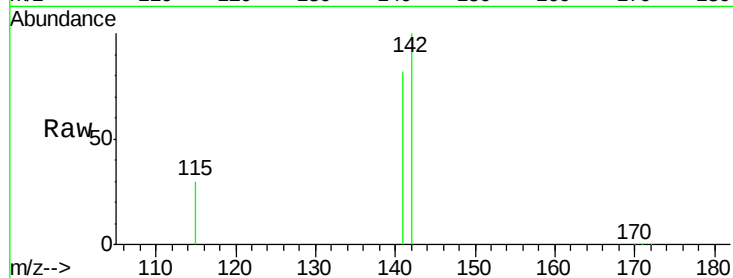
Tgt Ion:142 Resp: 32446

Ion Ratio Lower Upper

142 100

141 82.3 73.7 110.5

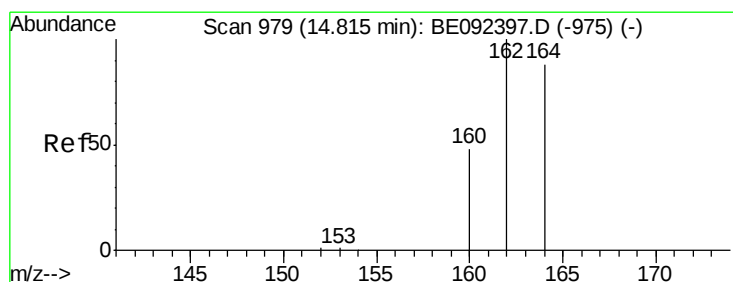
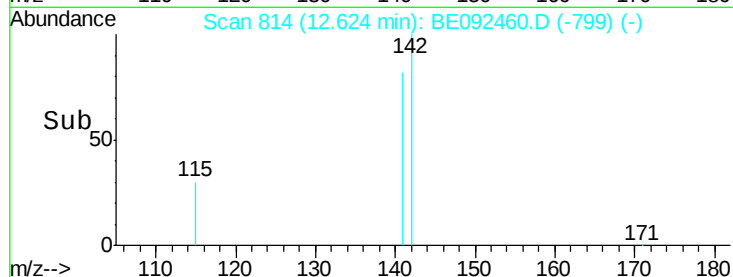
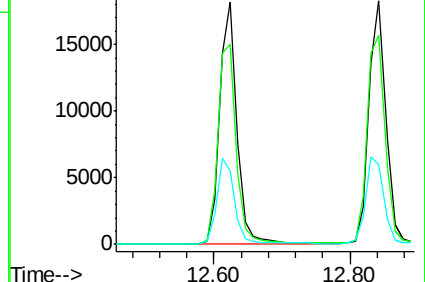
115 30.5 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

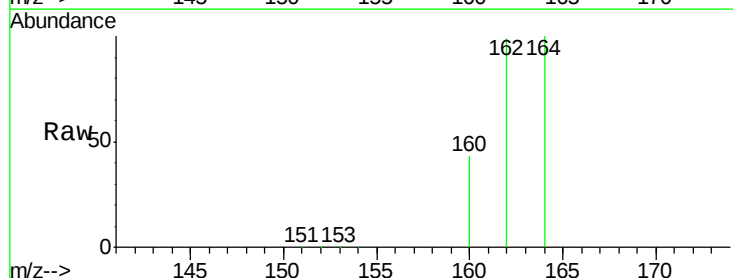
Tgt Ion:164 Resp: 41933

Ion Ratio Lower Upper

164 100

162 98.8 71.4 107.0

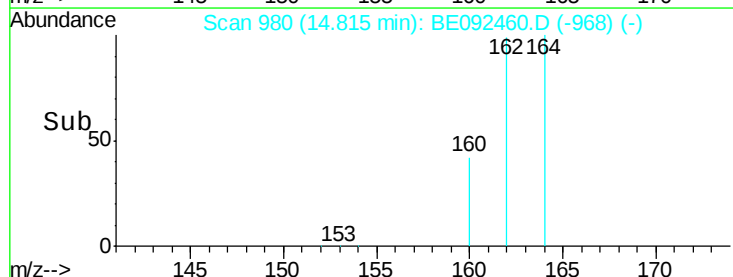
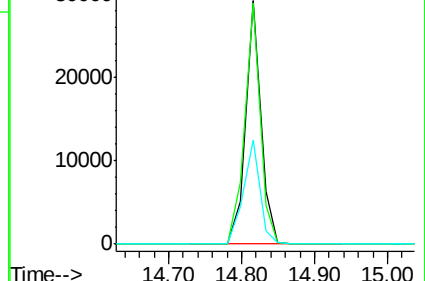
160 42.5 27.4 41.2#

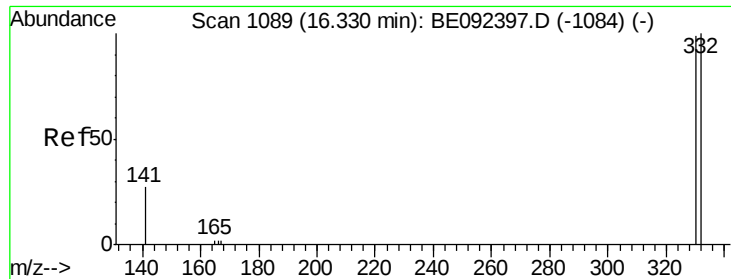


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

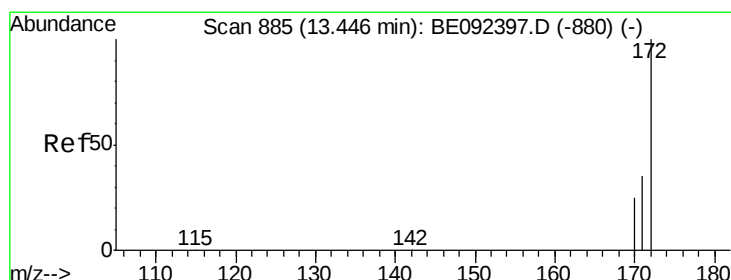
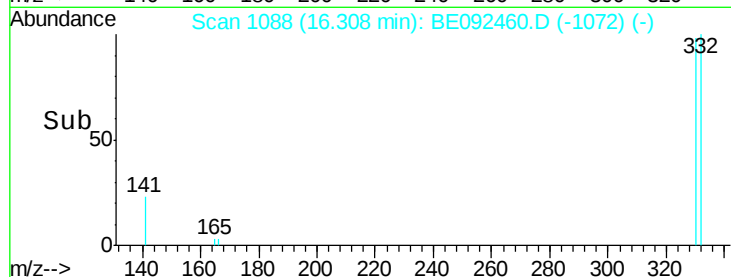
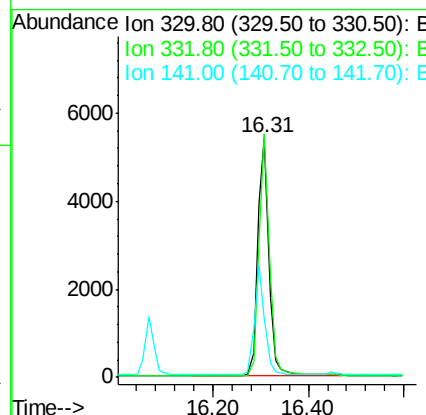
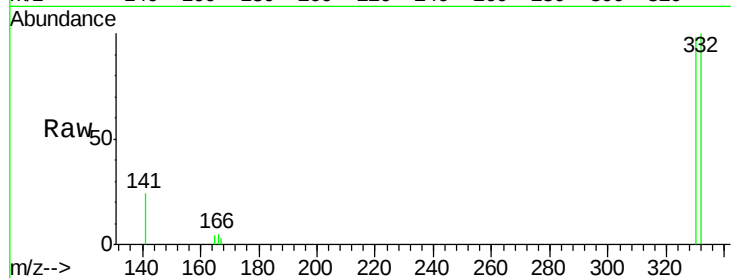




#13  
 2,4,6-Tribromophenol  
 Concen: 5.83 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

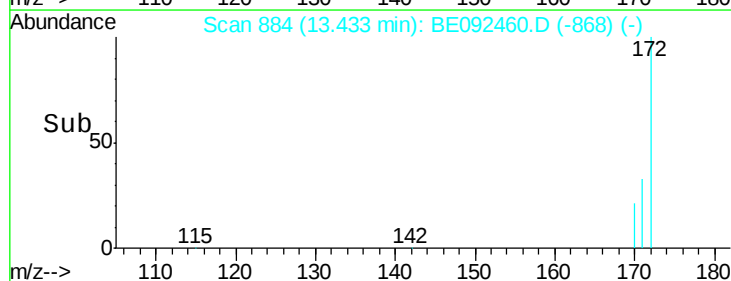
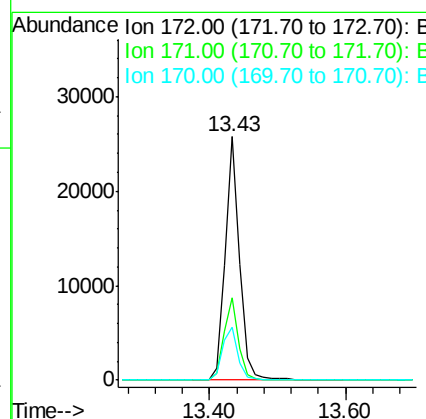
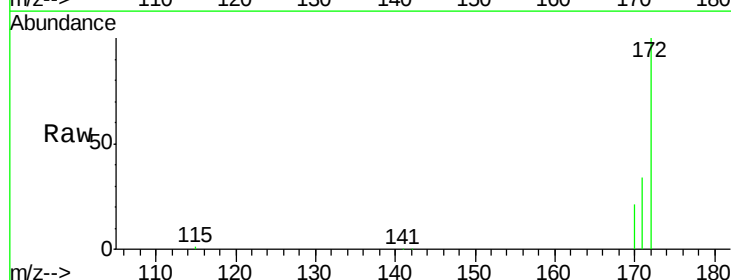
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

Tgt Ion: 330 Resp: 8606  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 75.4 113.0  
 141 43.4 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 3.82 ng  
 RT: 13.43 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Tgt Ion: 172 Resp: 37935  
 Ion Ratio Lower Upper  
 172 100  
 171 33.8 30.1 45.1  
 170 21.5 21.8 32.6#





#15

Acenaphthylene

Concen: 3.44 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

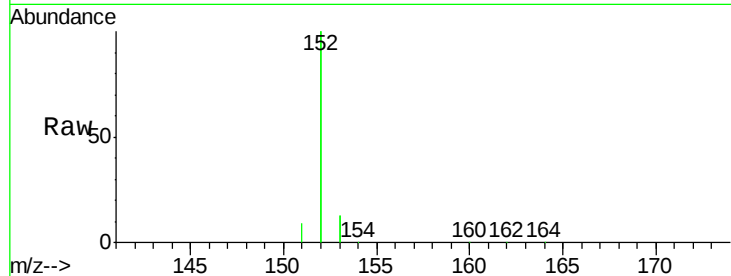
Tgt Ion:152 Resp: 209079

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

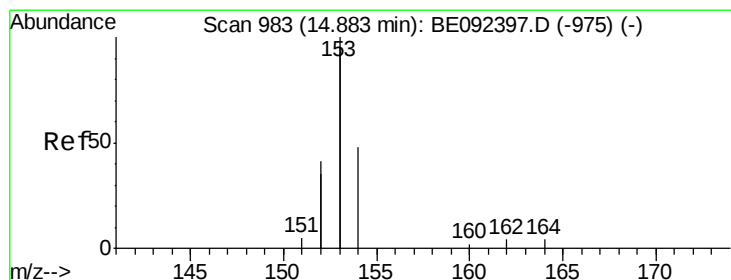
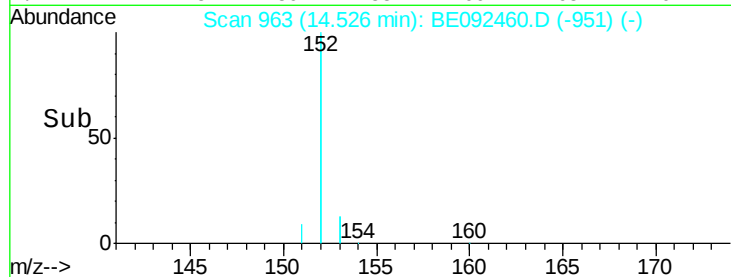
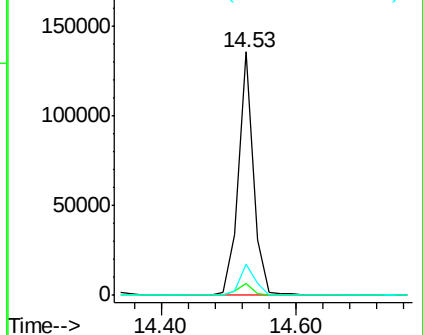
153 13.3 10.4 15.6



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: 3.34 ng

RT: 14.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

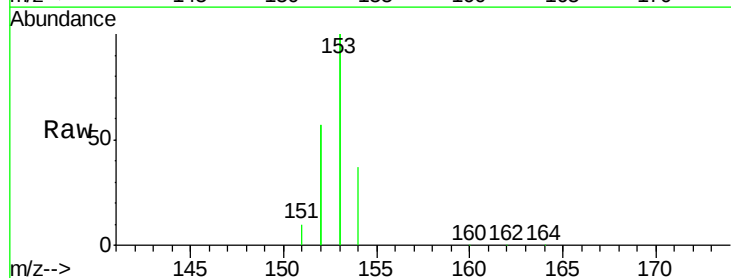
Tgt Ion:154 Resp: 31734

Ion Ratio Lower Upper

154 100

153 451.0 350.8 526.2

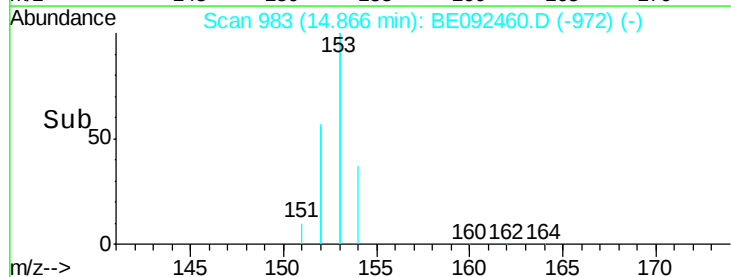
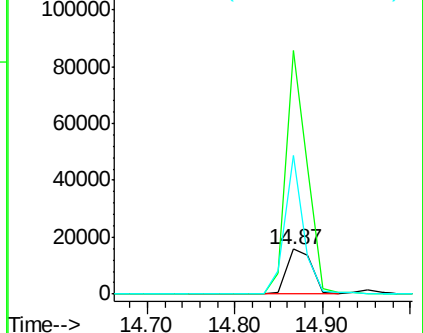
152 227.7 171.1 256.7



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

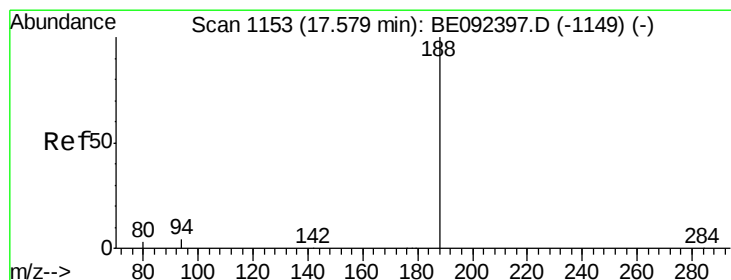
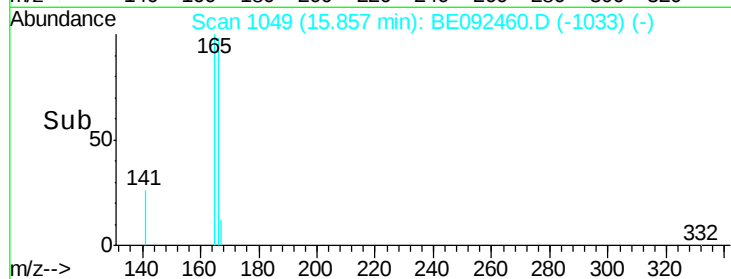
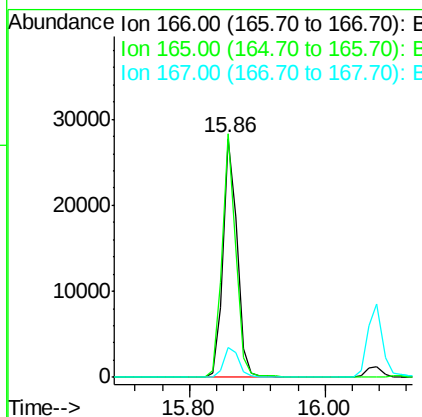
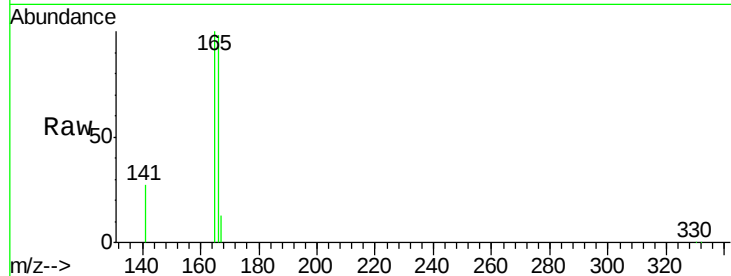




#17  
**Fluorene**  
 Concen: 3.41 ng  
 RT: 15.86 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

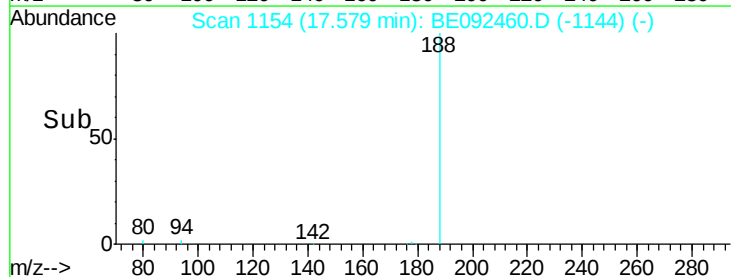
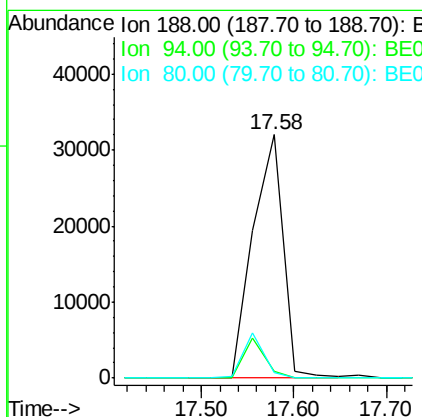
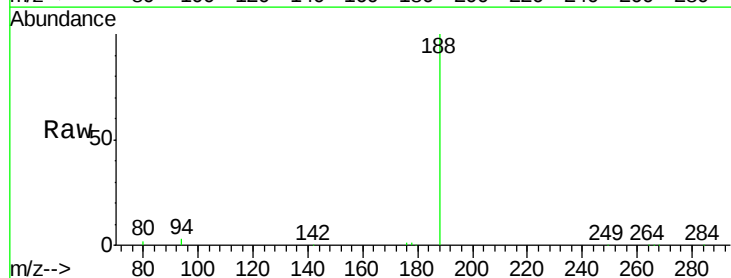
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

Tgt Ion:166 Resp: 41150  
 Ion Ratio Lower Upper  
 166 100  
 165 98.3 78.2 117.4  
 167 13.4 11.0 16.4



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.58 min Scan# 1154  
 Delta R.T. 0.02 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Tgt Ion:188 Resp: 72838  
 Ion Ratio Lower Upper  
 188 100  
 94 2.7 3.2 4.8#  
 80 2.2 2.6 3.8#

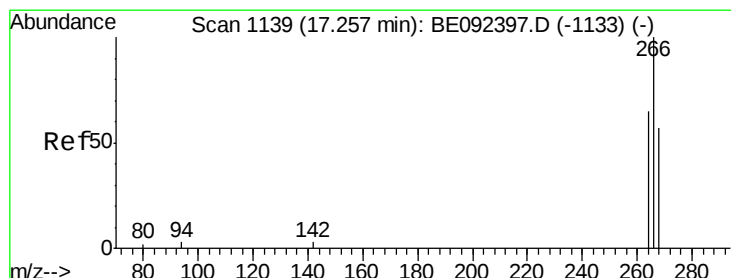
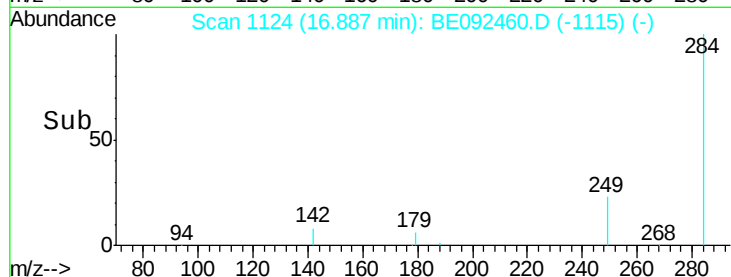
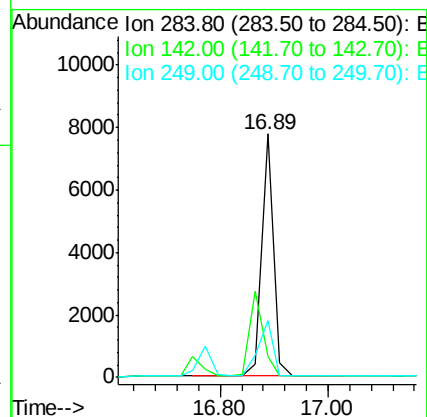
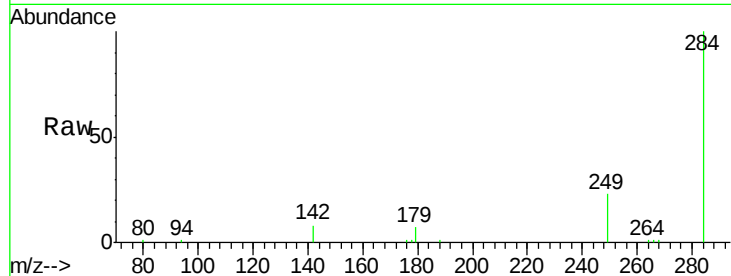




#19  
Hexachlorobenzene  
Concen: 3.81 ng  
RT: 16.89 min Scan# 1124  
Delta R.T. -0.00 min  
Lab File: BE092460.D  
Acq: 17 Oct 2016 19:44

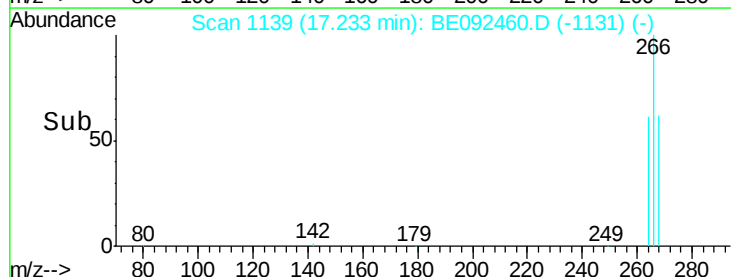
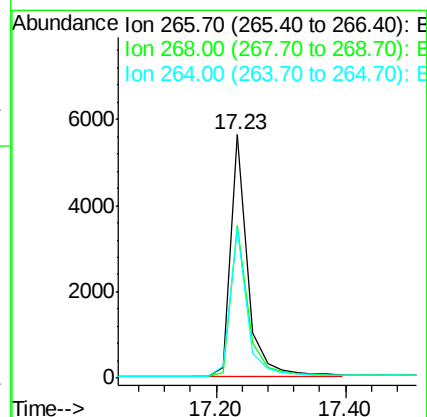
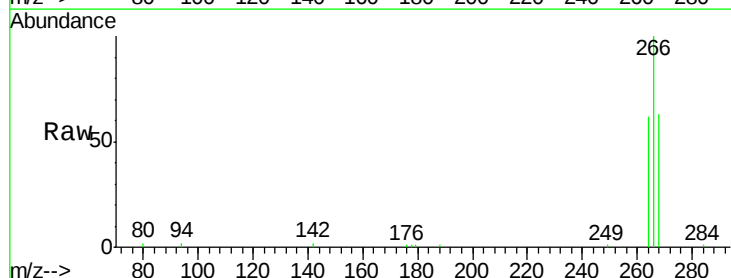
Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

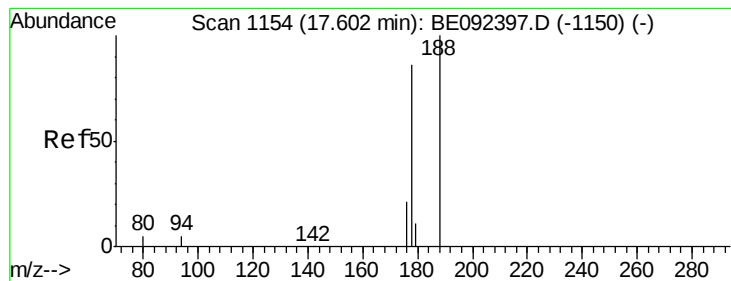
Tgt Ion: 284 Resp: 11891  
Ion Ratio Lower Upper  
284 100  
142 0.0 29.1 43.7#  
249 28.4 27.9 41.9



#20  
Pentachlorophenol  
Concen: 9.03 ng  
RT: 17.23 min Scan# 1139  
Delta R.T. -0.02 min  
Lab File: BE092460.D  
Acq: 17 Oct 2016 19:44

Tgt Ion: 266 Resp: 10324  
Ion Ratio Lower Upper  
266 100  
268 62.6 62.5 93.7  
264 61.7 57.2 85.8





#21

Phenanthrene

Concen: 3.94 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

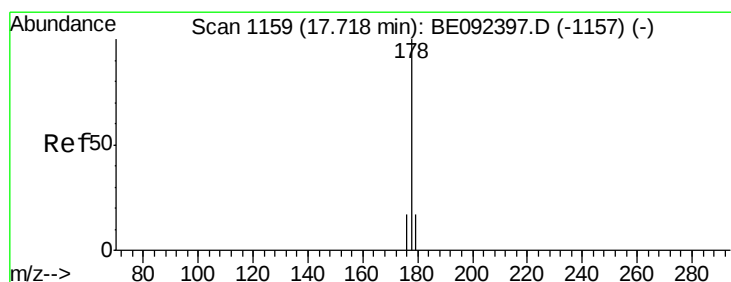
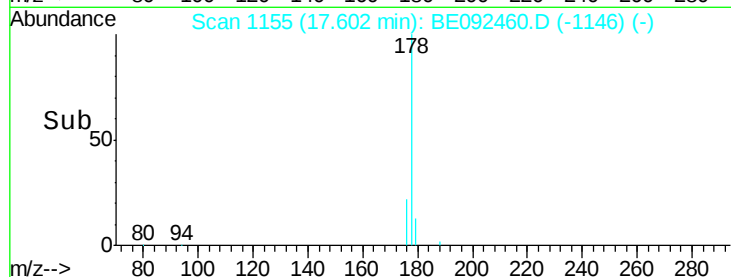
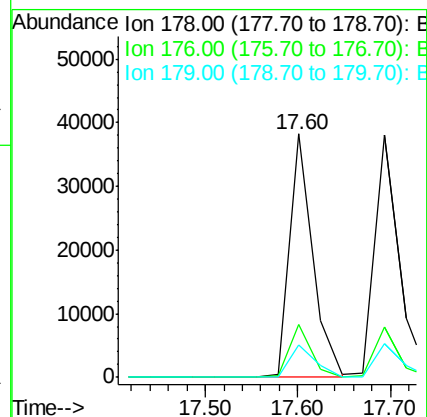
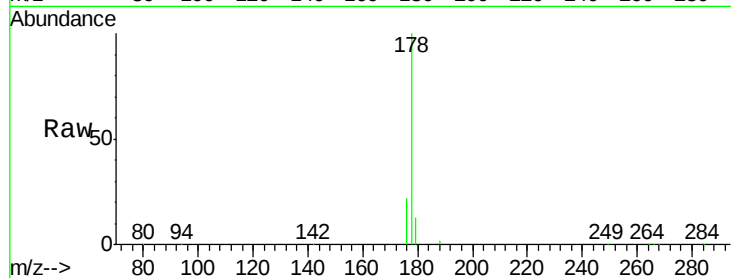
Tgt Ion:178 Resp: 65994

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

179 15.0 16.0 24.0#



#22

Anthracene

Concen: 4.20 ng

RT: 17.69 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

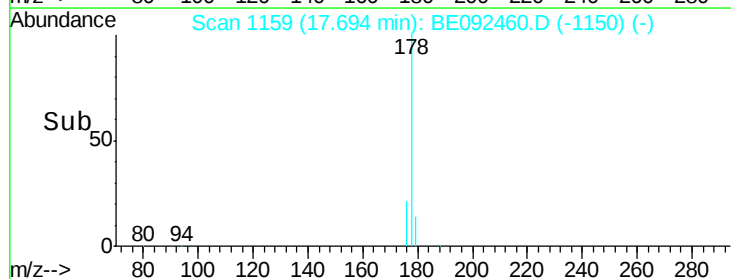
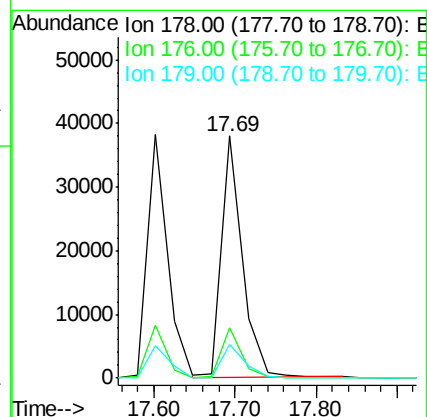
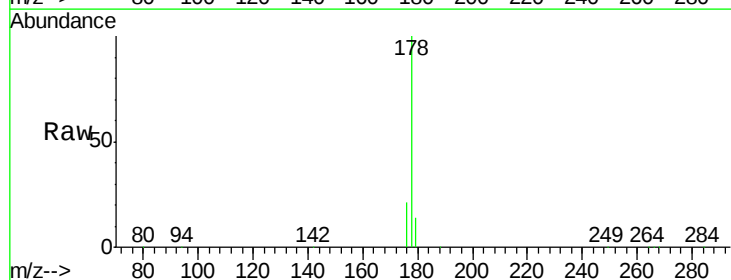
Tgt Ion:178 Resp: 67608

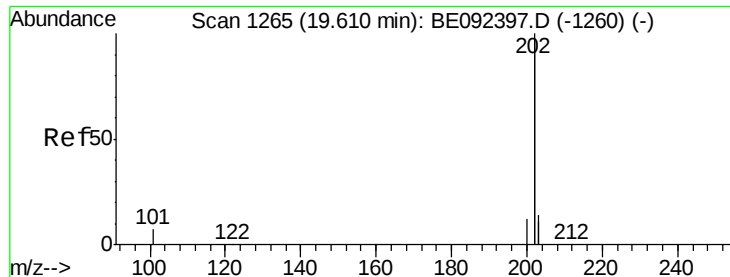
Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

179 14.7 12.2 18.2

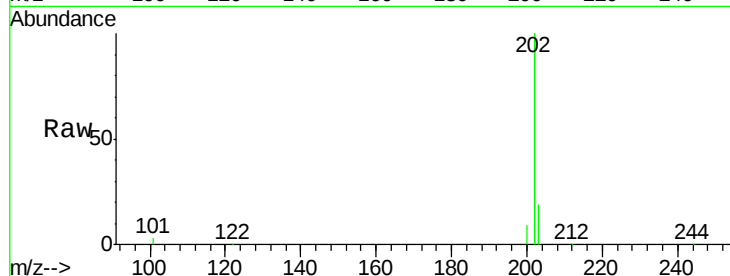




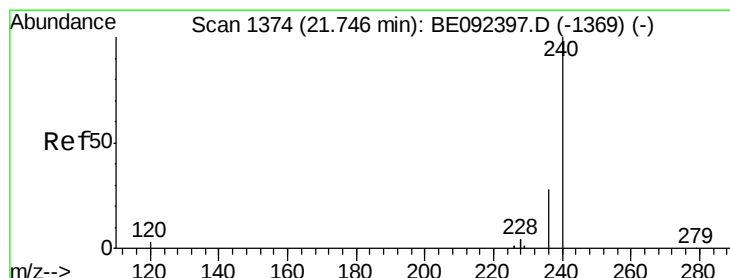
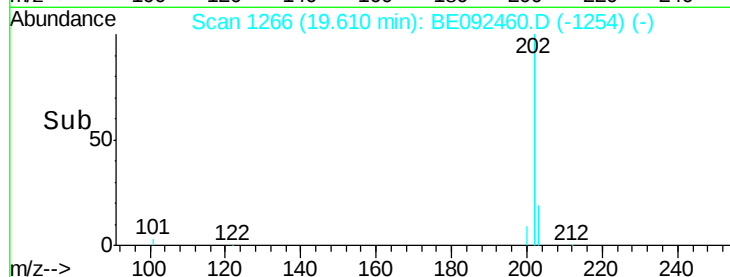
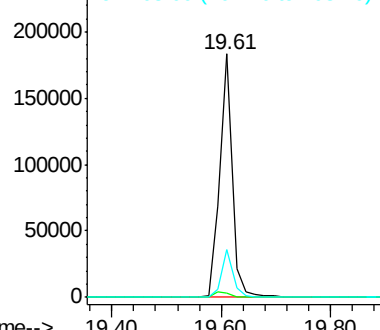
#23  
 Fluoranthene  
 Concen: 3.63 ng  
 RT: 19.61 min Scan# 1266  
 Delta R.T. -0.00 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

Tgt Ion: 202 Resp: 288872  
 Ion Ratio Lower Upper  
 202 100  
 101 2.9 2.2 3.4  
 203 17.8 13.7 20.5

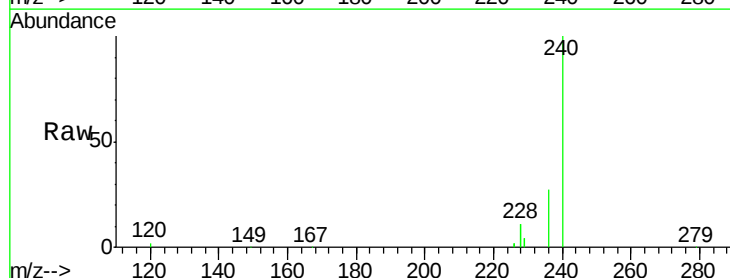


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

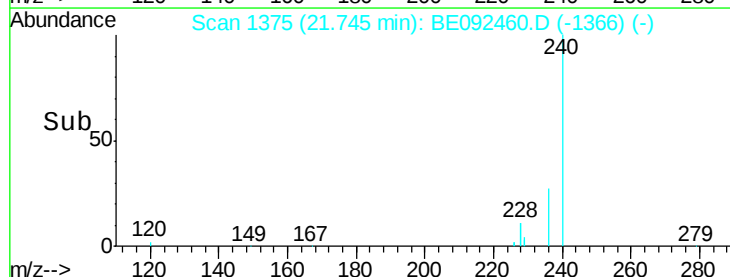
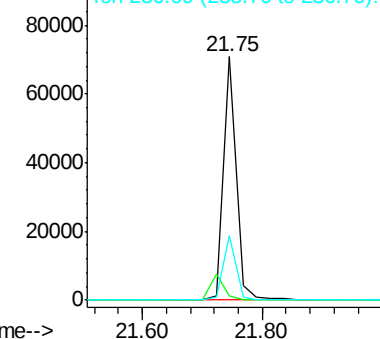


#24  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.75 min Scan# 1375  
 Delta R.T. -0.00 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Tgt Ion: 240 Resp: 106652  
 Ion Ratio Lower Upper  
 240 100  
 120 1.6 2.6 4.0#  
 236 26.7 24.6 37.0



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

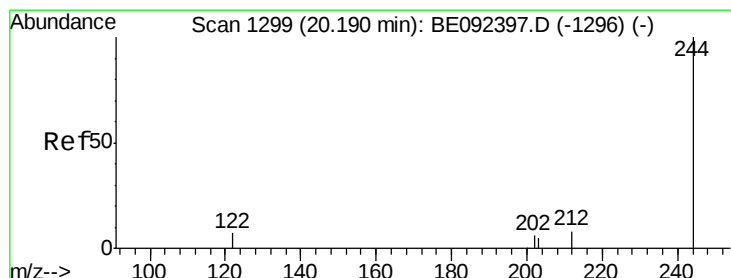
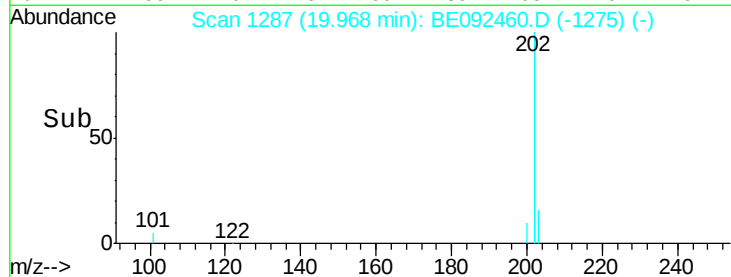
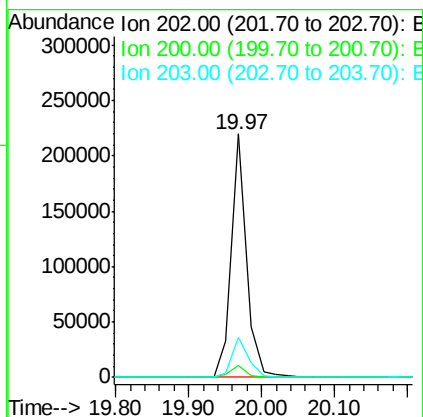
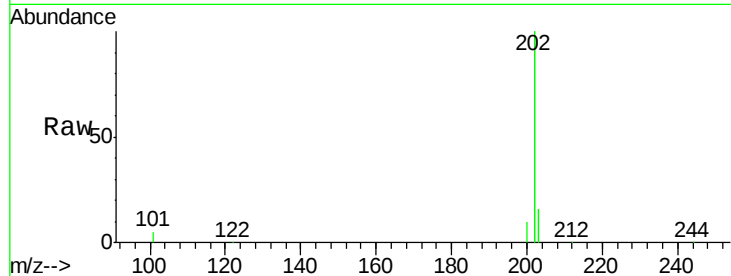




#25  
 Pyrene  
 Concen: 3.39 ng  
 RT: 19.97 min Scan# 1287  
 Delta R.T. -0.00 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

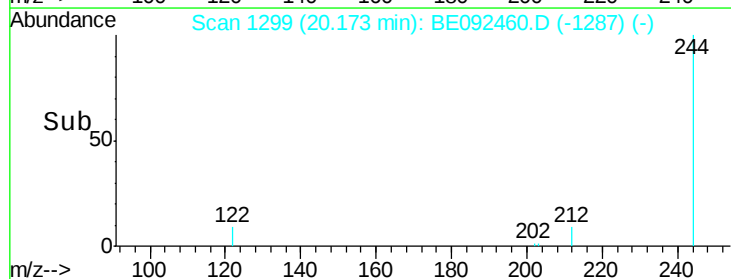
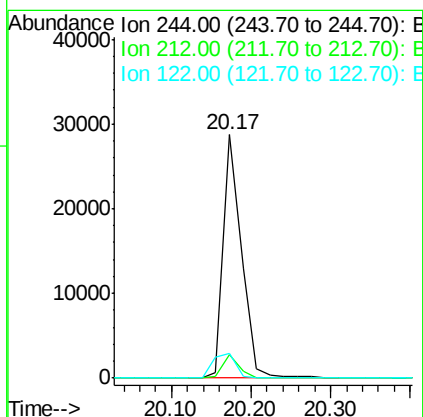
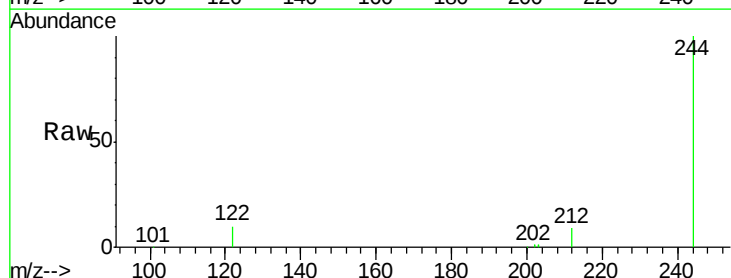
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

Tgt Ion: 202 Resp: 313364  
 Ion Ratio Lower Upper  
 202 100  
 200 5.3 4.2 6.4  
 203 17.9 13.9 20.9



#26  
 Terphenyl-d14  
 Concen: 3.40 ng  
 RT: 20.17 min Scan# 1299  
 Delta R.T. -0.00 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Tgt Ion: 244 Resp: 45003  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 6.7 10.1  
 122 10.4 3.6 5.4#

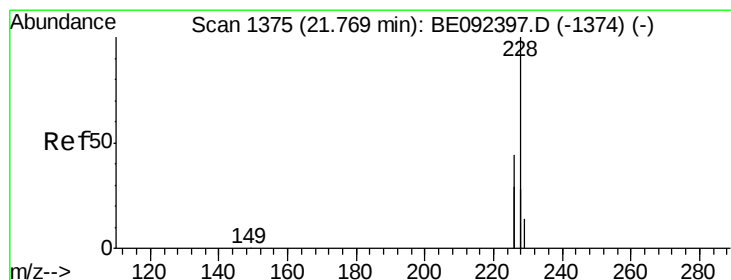
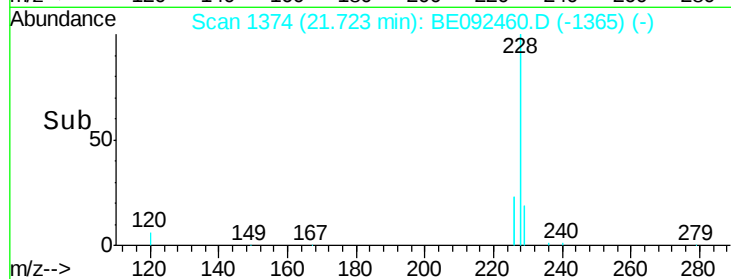
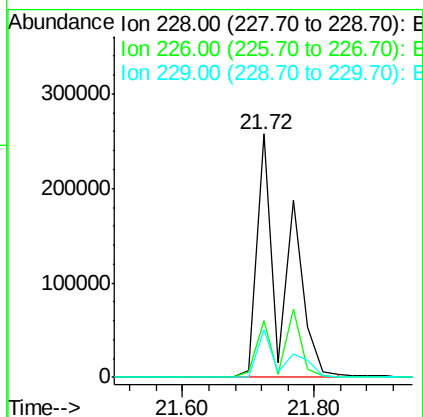
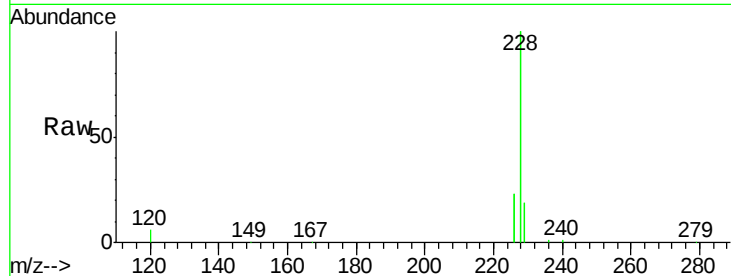




#27  
Benzo(a)anthracene  
Concen: 6.91 ng  
RT: 21.72 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BE092460.D  
Acq: 17 Oct 2016 19:44

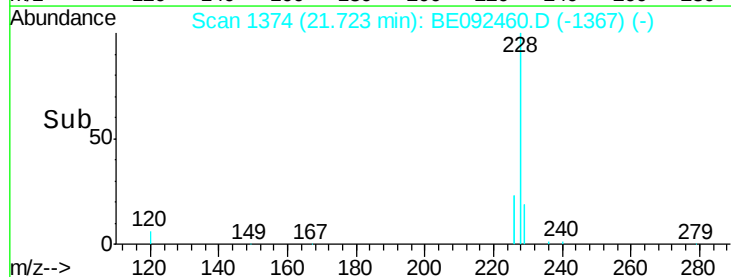
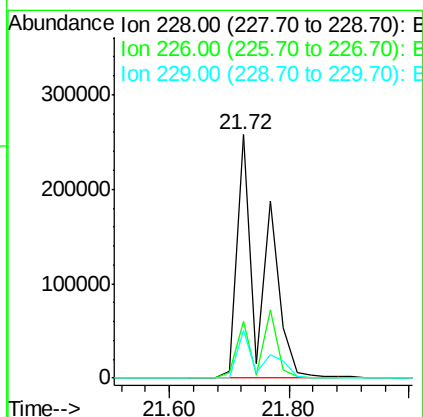
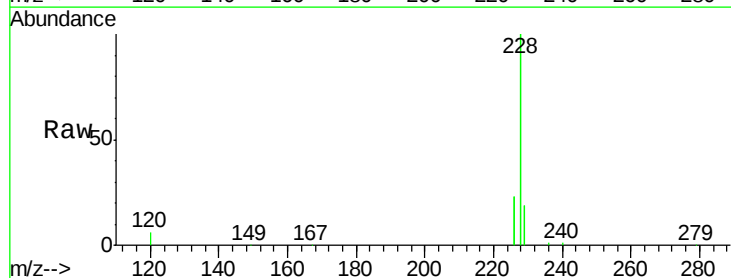
Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

Tgt Ion:228 Resp: 718068  
Ion Ratio Lower Upper  
228 100  
226 23.2 23.6 35.4#  
229 19.4 13.3 19.9



#28  
Chrysene  
Concen: 7.59 ng  
RT: 21.72 min Scan# 1374  
Delta R.T. -0.05 min  
Lab File: BE092460.D  
Acq: 17 Oct 2016 19:44

Tgt Ion:228 Resp: 722054  
Ion Ratio Lower Upper  
228 100  
226 23.2 36.3 54.5#  
229 19.4 10.6 16.0#

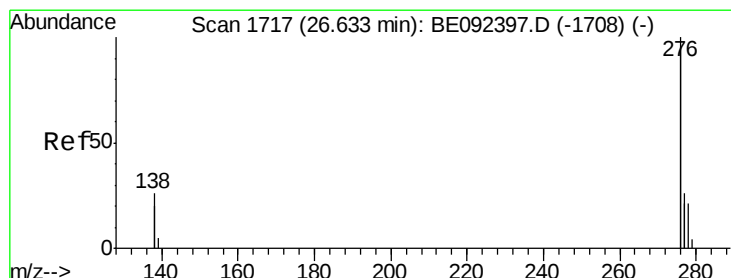
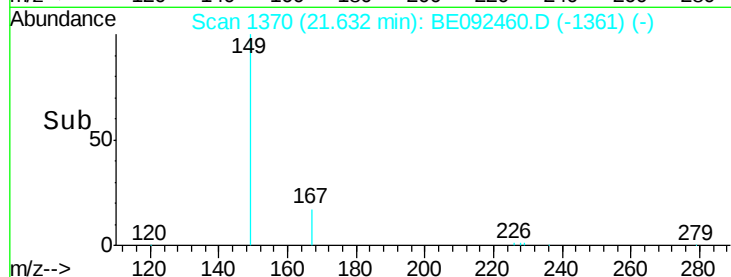
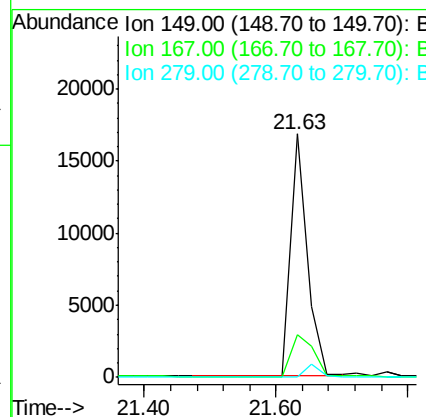
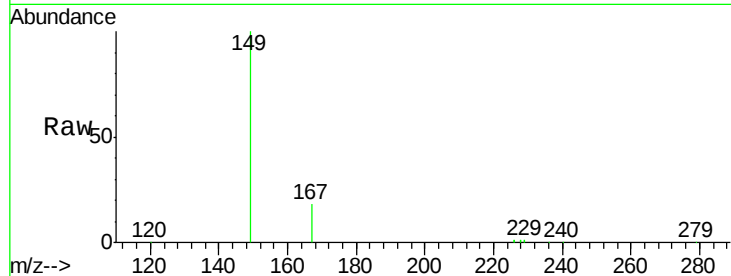




#29  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.32 ng  
 RT: 21.63 min Scan# 1370  
 Delta R.T. -0.00 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

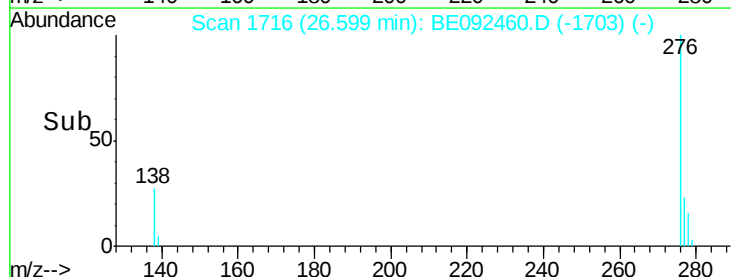
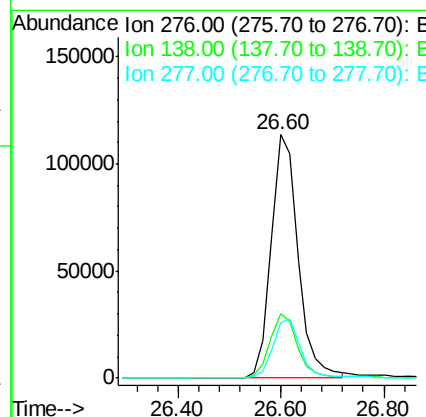
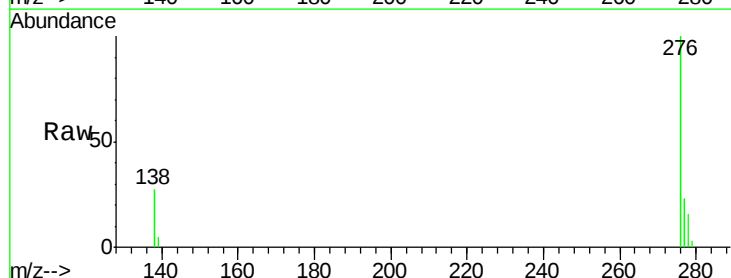
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

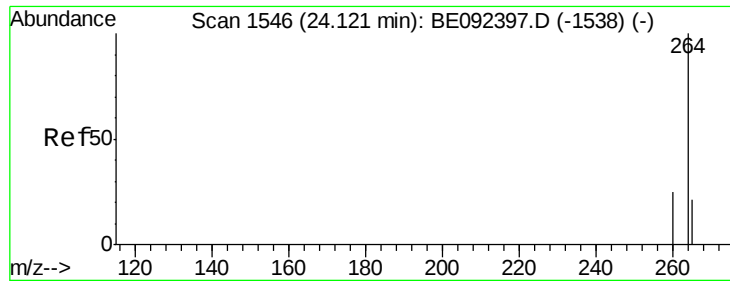
Tgt Ion:149 Resp: 29705  
 Ion Ratio Lower Upper  
 149 100  
 167 23.6 16.0 24.0  
 279 0.0 16.0 24.0#



#30  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.03 ng  
 RT: 26.60 min Scan# 1716  
 Delta R.T. 0.02 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Tgt Ion:276 Resp: 407133  
 Ion Ratio Lower Upper  
 276 100  
 138 27.1 20.3 30.5  
 277 24.6 19.7 29.5

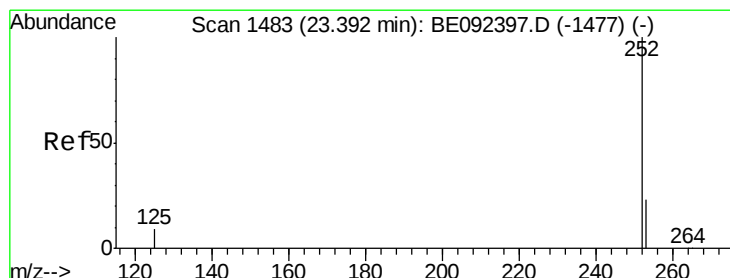
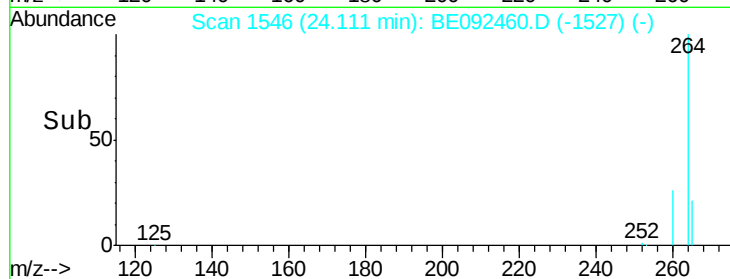
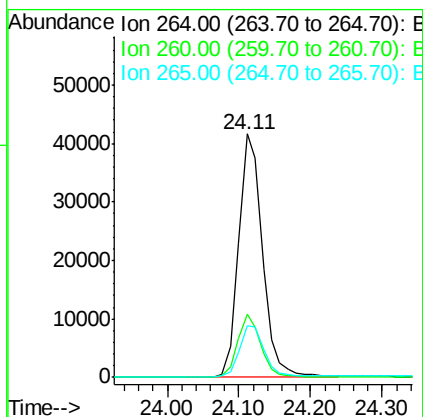
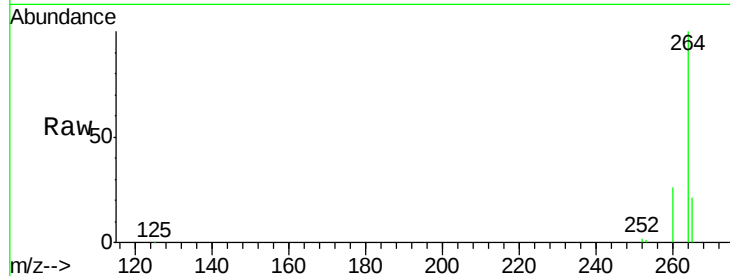




#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.11 min Scan# 1546  
 Delta R.T. 0.02 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

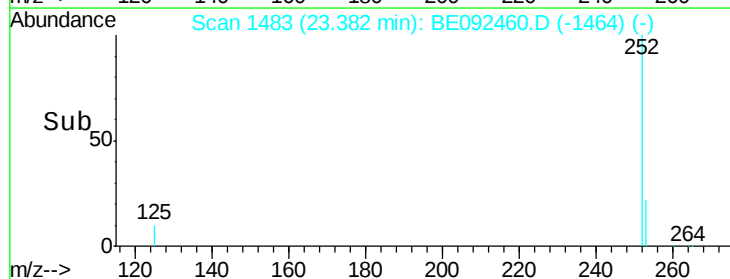
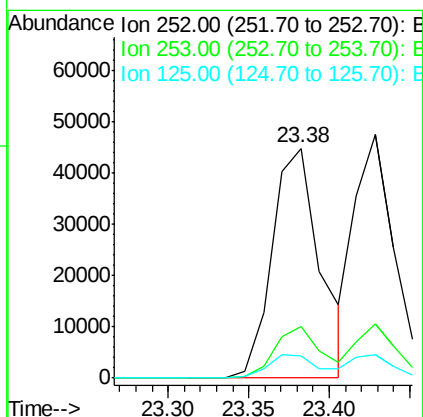
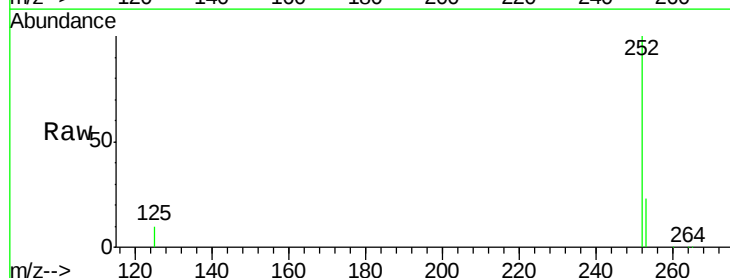
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

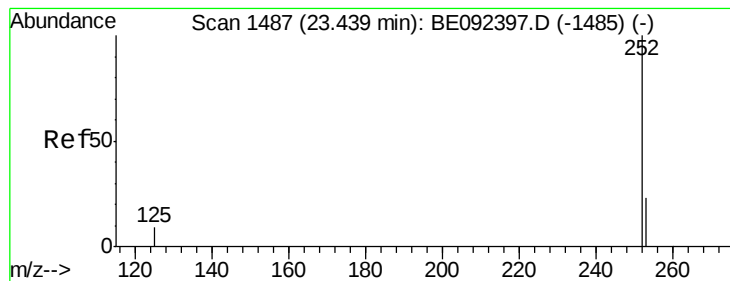
Tgt Ion: 264 Resp: 96367  
 Ion Ratio Lower Upper  
 264 100  
 260 25.9 20.1 30.1  
 265 21.0 17.9 26.9



#32  
 Benzo(b)fluoranthene  
 Concen: 3.98 ng  
 RT: 23.38 min Scan# 1483  
 Delta R.T. 0.02 min  
 Lab File: BE092460.D  
 Acq: 17 Oct 2016 19:44

Tgt Ion: 252 Resp: 92959  
 Ion Ratio Lower Upper  
 252 100  
 253 22.7 18.7 28.1  
 125 9.7 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 3.46 ng

RT: 23.43 min Scan# 1487

Delta R.T. 0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

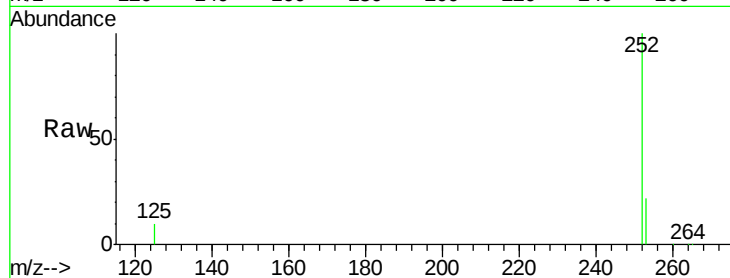
Tgt Ion: 252 Resp: 84408

Ion Ratio Lower Upper

252 100

253 22.2 20.3 30.5

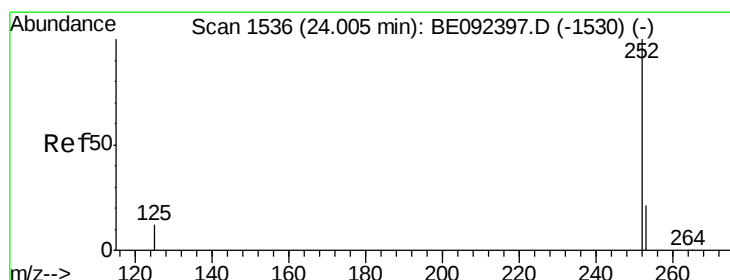
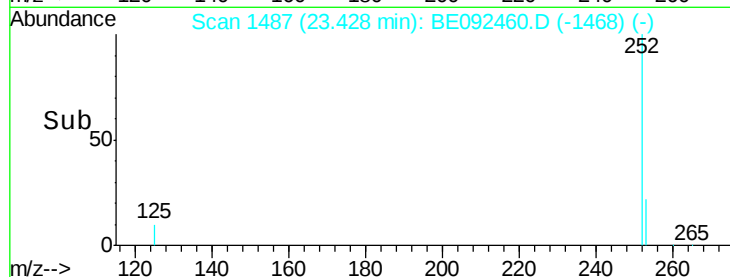
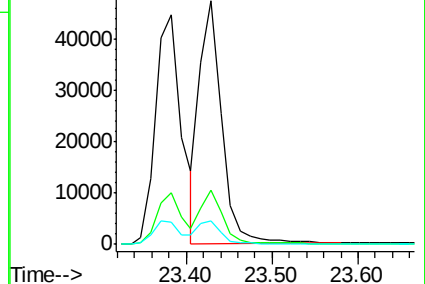
125 9.9 9.6 14.4



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(a)pyrene

Concen: 3.81 ng

RT: 24.01 min Scan# 1537

Delta R.T. 0.02 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

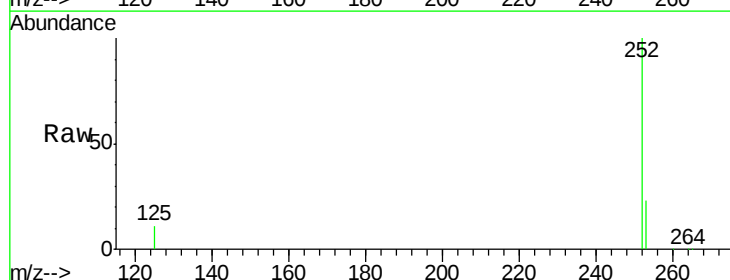
Tgt Ion: 252 Resp: 87247

Ion Ratio Lower Upper

252 100

253 22.8 19.0 28.6

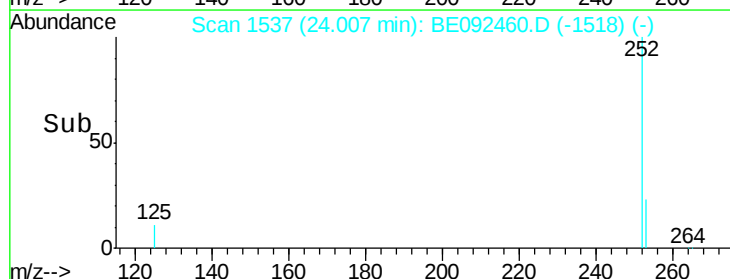
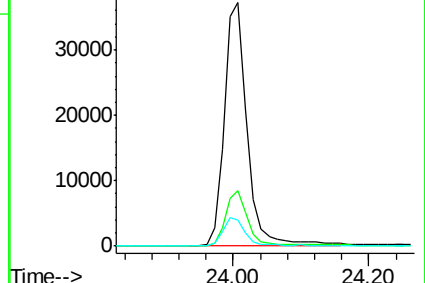
125 10.9 11.8 17.8#

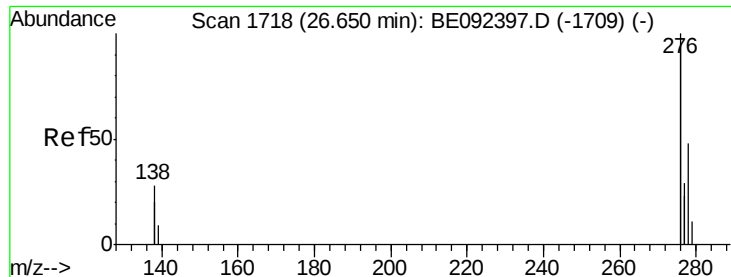


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.03 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.04 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

Instrument :

BNA\_E

ClientSampleId :

PB93716BS

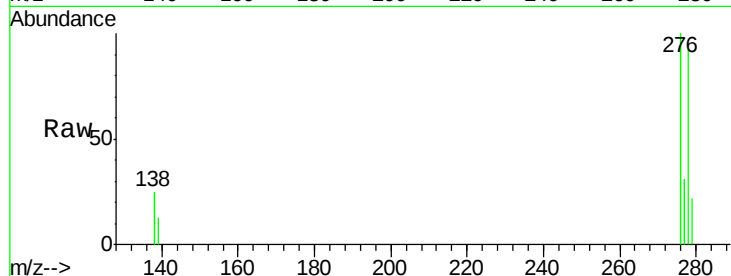
Tgt Ion:278 Resp: 84610

Ion Ratio Lower Upper

278 100

139 13.8 13.8 20.8#

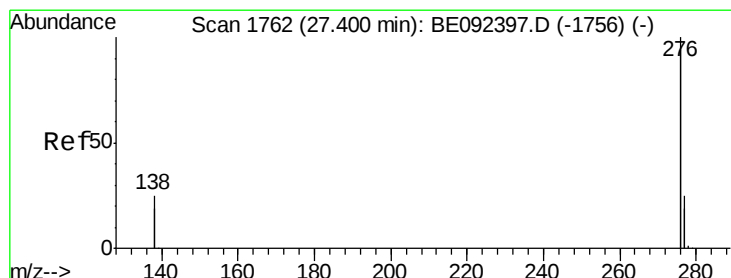
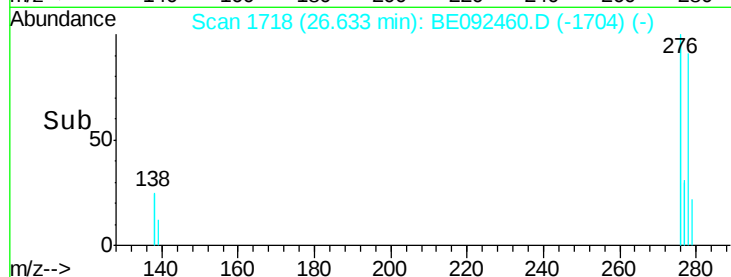
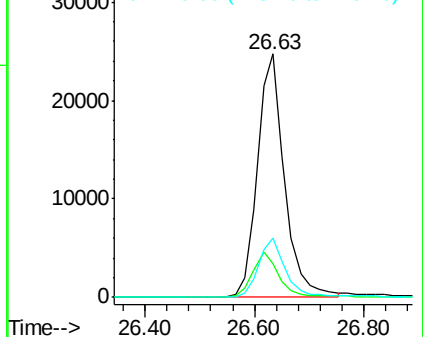
279 24.3 21.4 32.2



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



#36

Benzo(g,h,i)perylene

Concen: 3.89 ng

RT: 27.38 min Scan# 1762

Delta R.T. 0.04 min

Lab File: BE092460.D

Acq: 17 Oct 2016 19:44

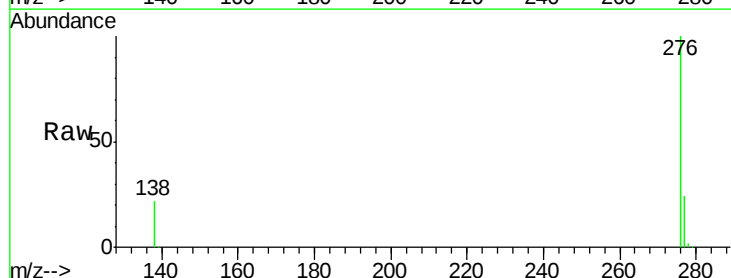
Tgt Ion:276 Resp: 350417

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 22.1 19.8 29.6



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

