

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081415\  
 Data File : BE090517.D  
 Acq On : 14 Aug 2015 12:54  
 Operator : UM/IZ  
 Sample : SSTDICC0.5  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

Quant Time: Aug 14 15:27:25 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 14 15:17:14 2015  
 Response via : Initial Calibration

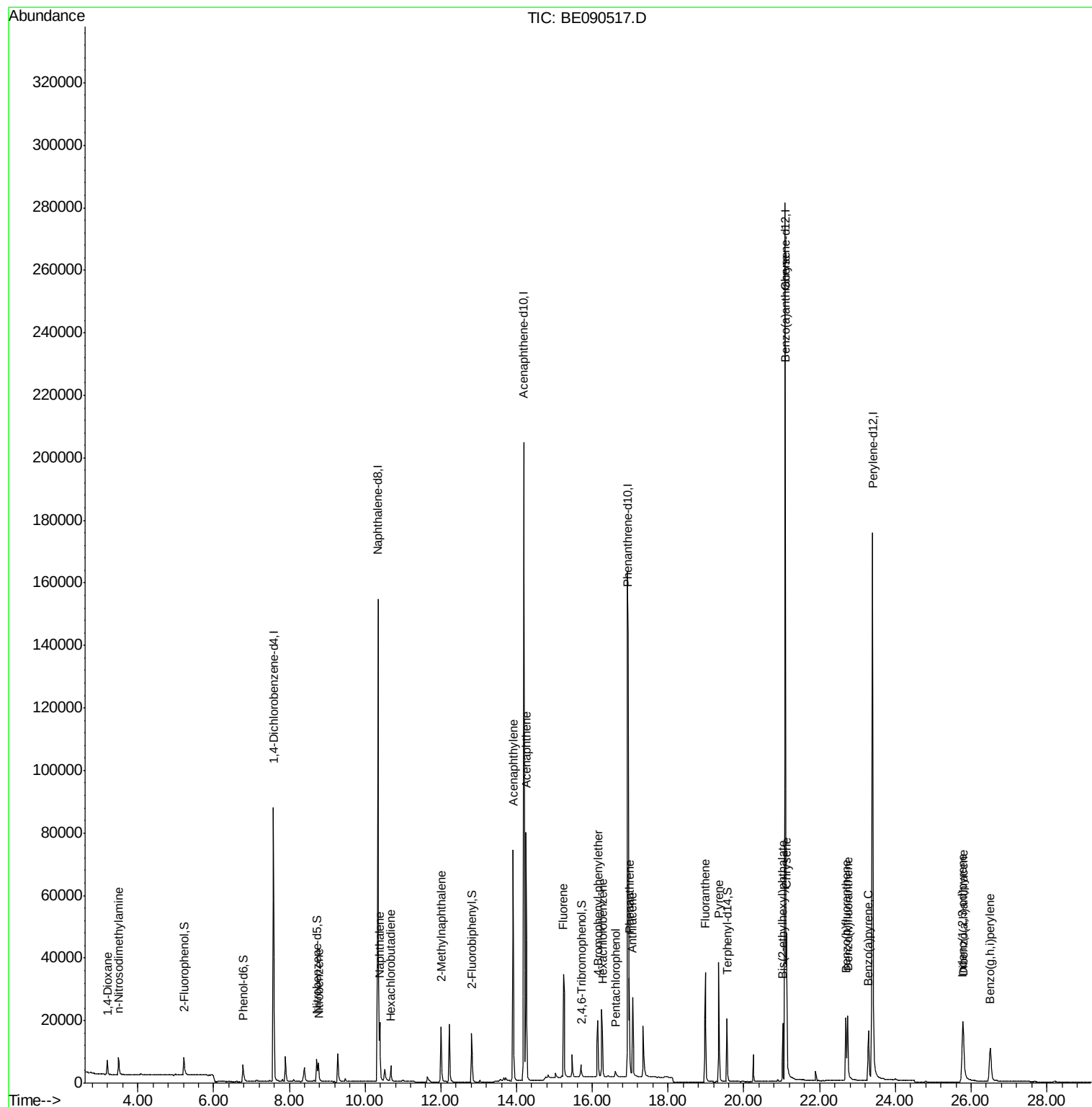
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 43945    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.34 | 136  | 219466   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.19 | 164  | 121235   | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.94 | 188  | 262001   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12               | 21.09 | 240  | 268798   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.40 | 264  | 250618   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.22  | 112  | 5913     | 0.44 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.77  | 99   | 8679     | 0.46 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.72  | 82   | 7923     | 0.46 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.71 | 330  | 2036     | 0.45 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.81 | 172  | 17133    | 0.45 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.55 | 244  | 22989    | 0.45 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.20  | 88   | 2767     | 0.44 | ng    | 92       |
| 3) n-Nitrosodimethylamine      | 3.49  | 42   | 3584     | 0.45 | ng    | # 80     |
| 8) Nitrobenzene                | 8.77  | 77   | 8166     | 0.46 | ng    | 97       |
| 9) Naphthalene                 | 10.38 | 128  | 23794    | 0.45 | ng    | 99       |
| 10) Hexachlorobutadiene        | 10.68 | 225  | 3478     | 0.45 | ng    | 100      |
| 11) 2-Methylnaphthalene        | 12.00 | 142  | 15291    | 0.45 | ng    | 99       |
| 15) Acenaphthylene             | 13.91 | 152  | 103554   | 0.45 | ng    | 100      |
| 16) Acenaphthene               | 14.26 | 154  | 15712    | 0.45 | ng    | # 78     |
| 17) Fluorene                   | 15.24 | 166  | 19092    | 0.44 | ng    | 98       |
| 19) 4-Bromophenyl-phenylether  | 16.14 | 248  | 5139     | 0.45 | ng    | 83       |
| 20) Hexachlorobenzene          | 16.27 | 284  | 23294    | 0.46 | ng    | 95       |
| 21) Pentachlorophenol          | 16.61 | 266  | 1561     | 0.44 | ng    | 93       |
| 22) Phenanthrene               | 16.98 | 178  | 33019    | 0.45 | ng    | 99       |
| 23) Anthracene                 | 17.07 | 178  | 30022    | 0.46 | ng    | 99       |
| 24) Fluoranthene               | 18.98 | 202  | 34860    | 0.46 | ng    | 99       |
| 26) Pyrene                     | 19.34 | 202  | 36089    | 0.45 | ng    | 100      |
| 28) Benzo(a)anthracene         | 21.08 | 228  | 33227    | 0.45 | ng    | 98       |
| 29) Chrysene                   | 21.13 | 228  | 34487    | 0.45 | ng    | 98       |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 16536    | 0.43 | ng    | 98       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 31141    | 0.45 | ng    | # 93     |
| 33) Benzo(b)fluoranthene       | 22.70 | 252  | 27281    | 0.44 | ng    | 98       |
| 34) Benzo(k)fluoranthene       | 22.74 | 252  | 31120    | 0.44 | ng    | 99       |
| 35) Benzo(a)pyrene             | 23.29 | 252  | 25286    | 0.45 | ng    | # 96     |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278  | 23871    | 0.44 | ng    | 96       |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276  | 26829    | 0.45 | ng    | 96       |

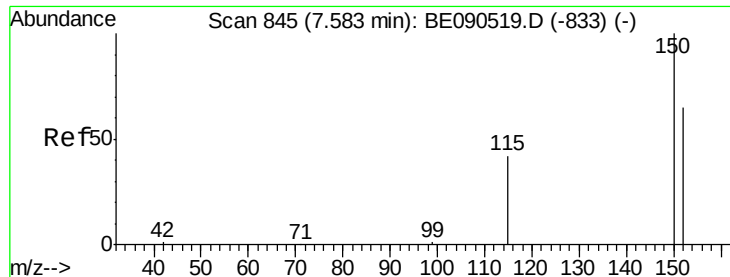
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

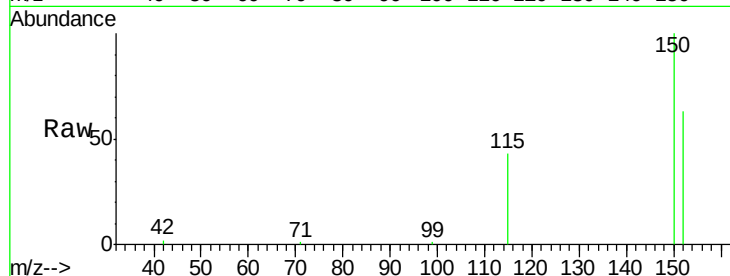
Tot Ion:152 Resp: 43945

Ion Ratio Lower Upper

152 100

150 159.1 123.0 184.4

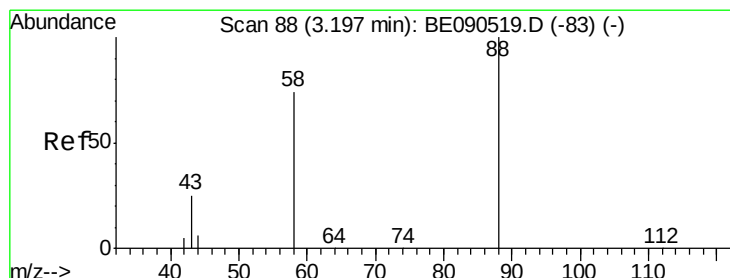
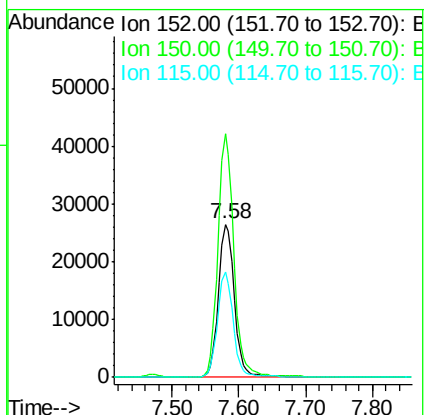
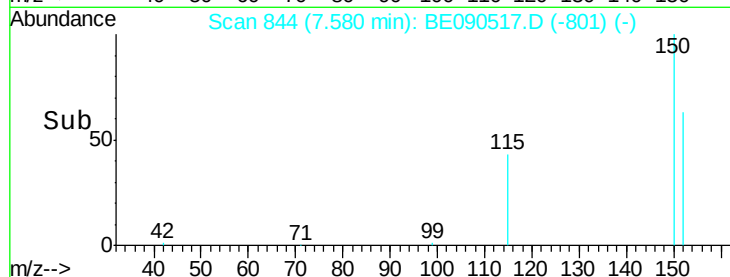
115 69.0 48.9 73.3



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: 0.44 ng

RT: 3.20 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

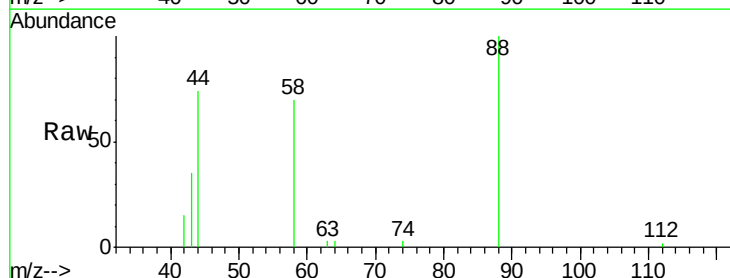
Tgt Ion: 88 Resp: 2767

Ion Ratio Lower Upper

88 100

58 80.5 70.0 105.0

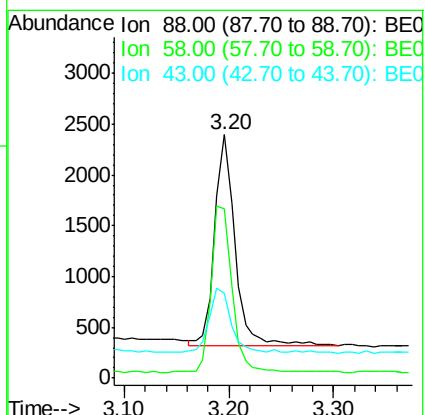
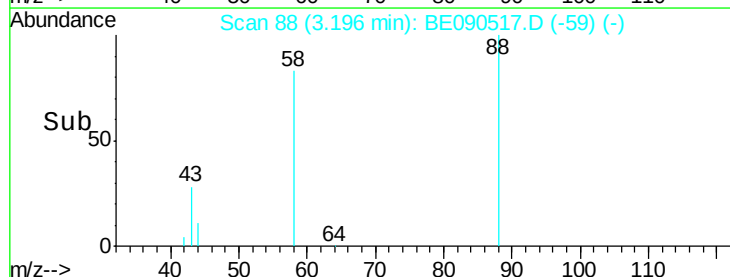
43 31.1 28.4 42.6

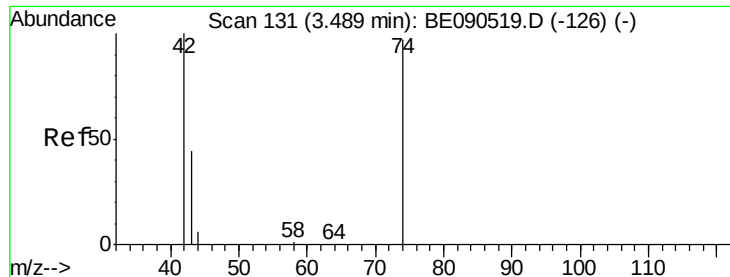


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.45 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

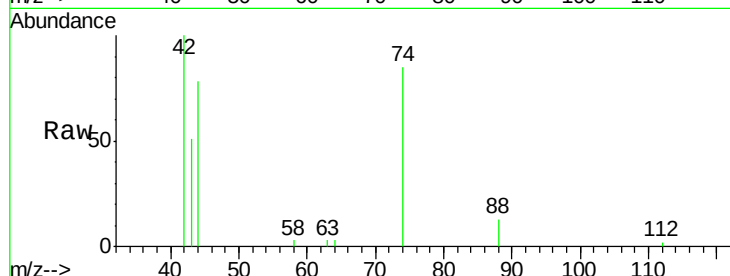
Tot Ion: 42 Resp: 3584

Ion Ratio Lower Upper

42 100

74 115.9 75.2 112.8#

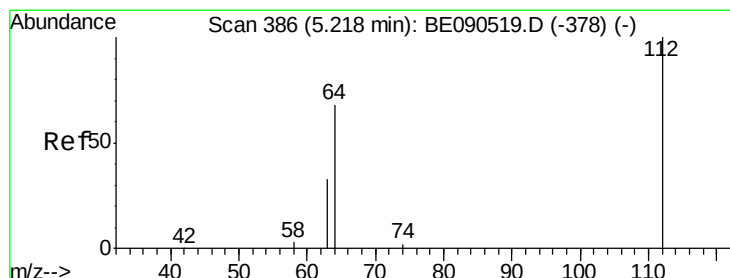
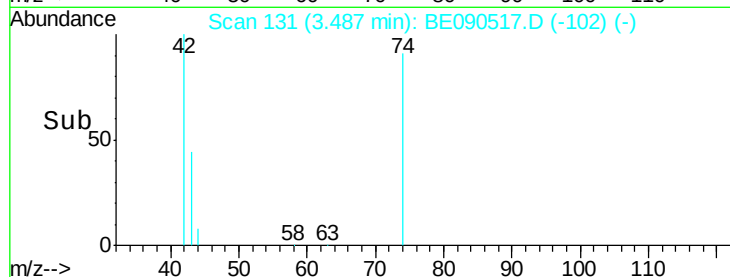
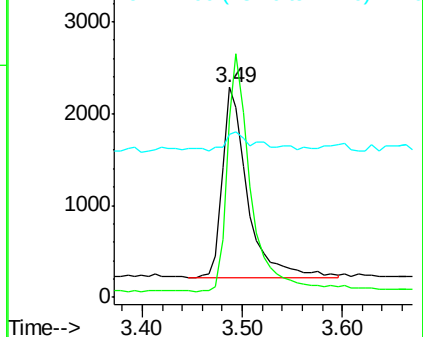
44 11.0 8.7 13.1



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: 0.44 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

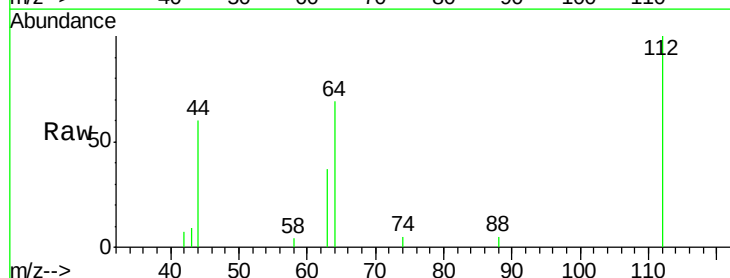
Tgt Ion: 112 Resp: 5913

Ion Ratio Lower Upper

112 100

64 69.0 37.1 55.7#

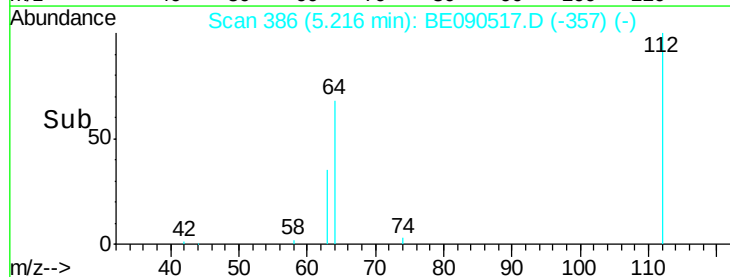
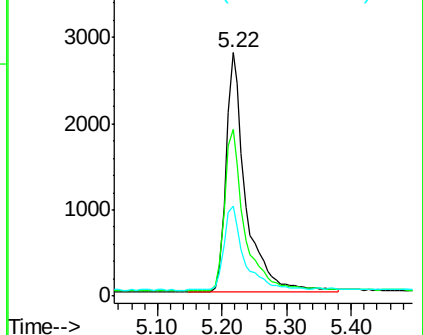
63 35.8 19.5 29.3#

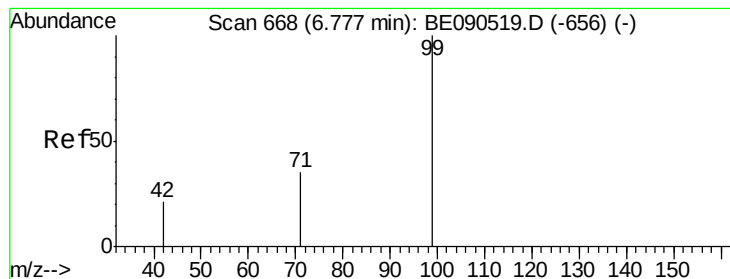


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.46 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

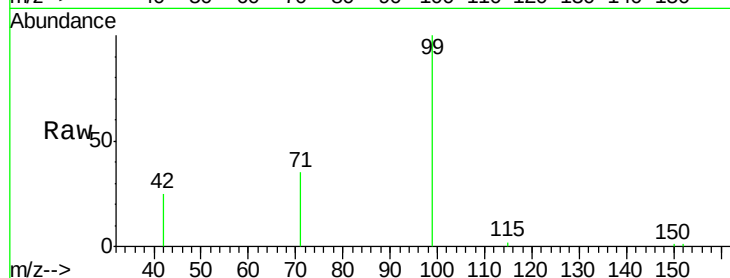
Tot Ion: 99 Resp: 8679

Ion Ratio Lower Upper

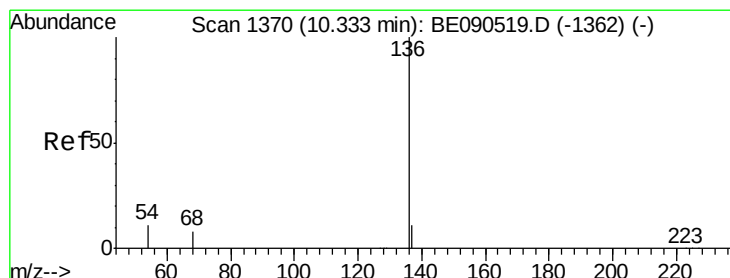
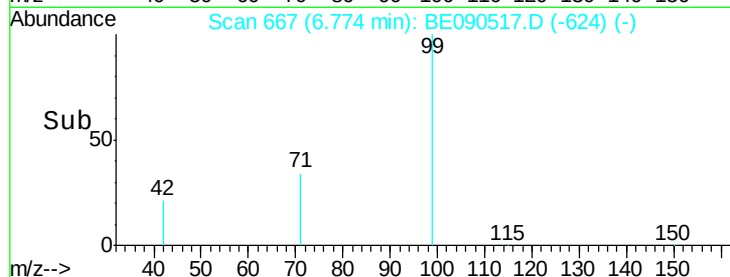
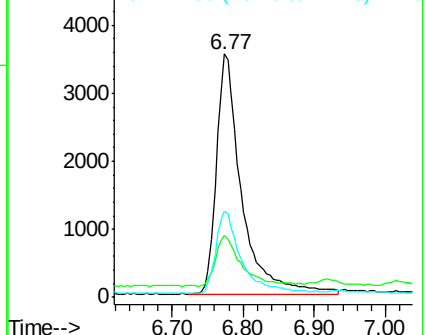
99 100

42 22.2 18.2 27.4

71 34.5 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: 10.34 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Tgt Ion: 136 Resp: 219466

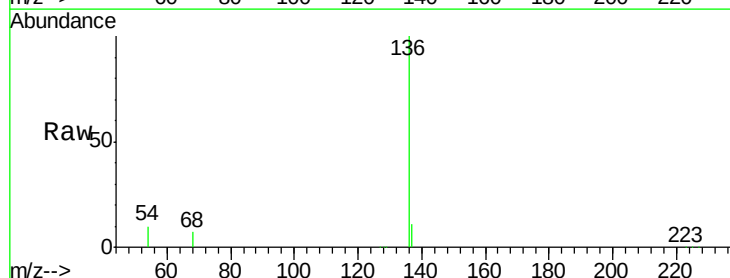
Ion Ratio Lower Upper

136 100

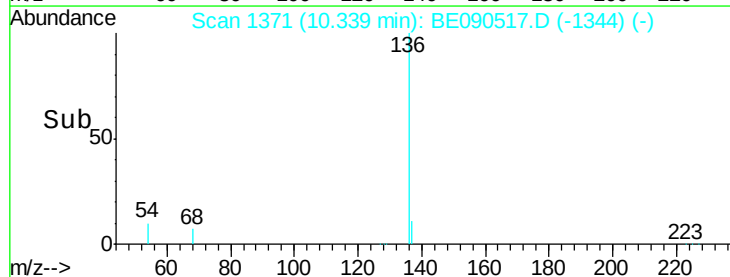
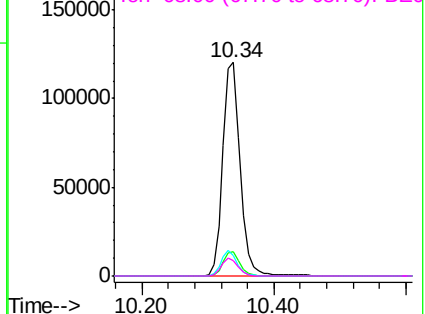
137 11.2 8.7 13.1

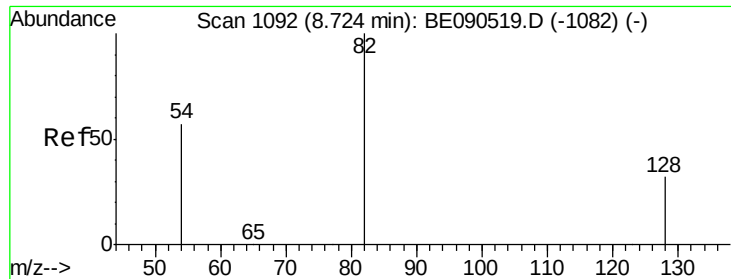
54 9.7 9.4 14.0

68 7.4 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: 0.46 ng

RT: 8.72 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

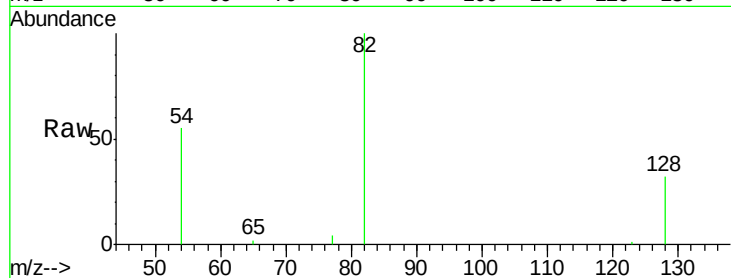
Tot Ion: 82 Resp: 7923

Ion Ratio Lower Upper

82 100

128 32.3 25.0 37.6

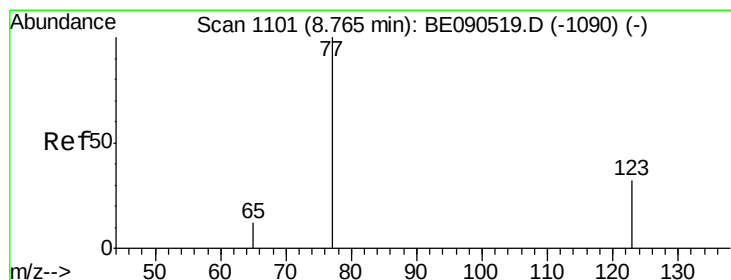
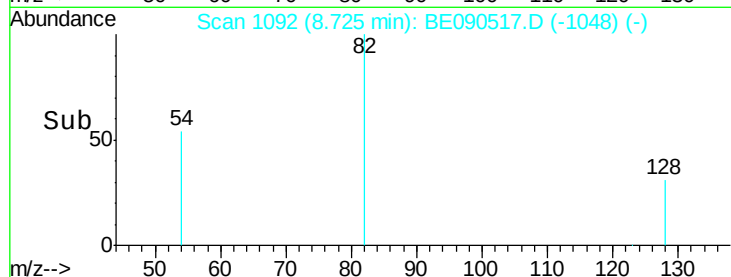
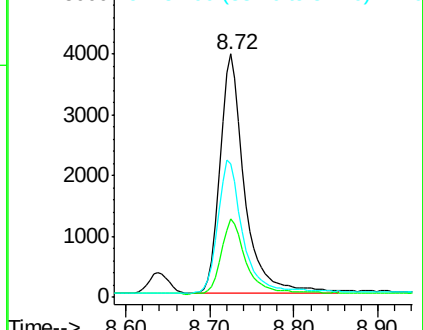
54 55.1 48.8 73.2



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: 0.46 ng

RT: 8.77 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

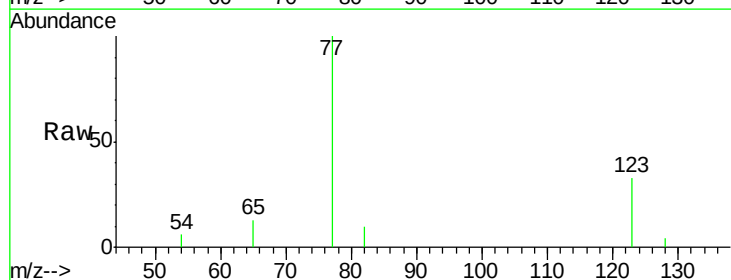
Tgt Ion: 77 Resp: 8166

Ion Ratio Lower Upper

77 100

123 33.3 25.1 37.7

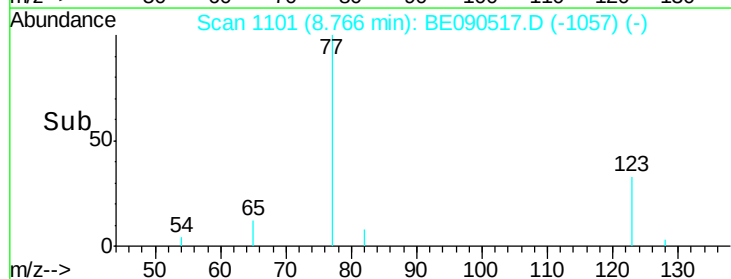
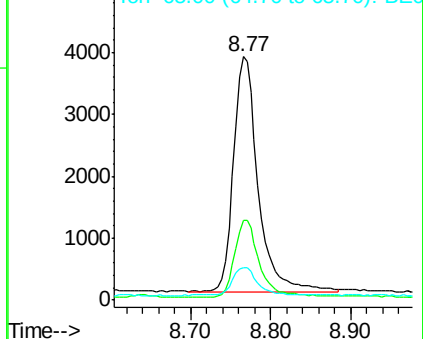
65 12.1 9.3 13.9

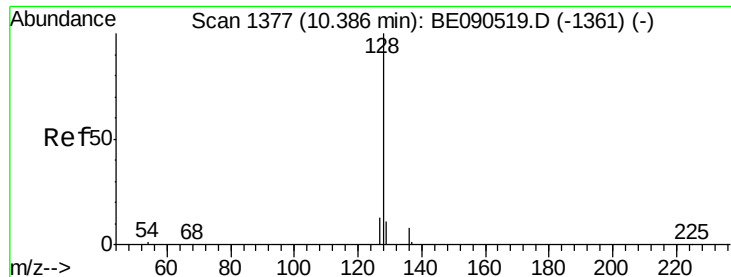


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.45 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.5

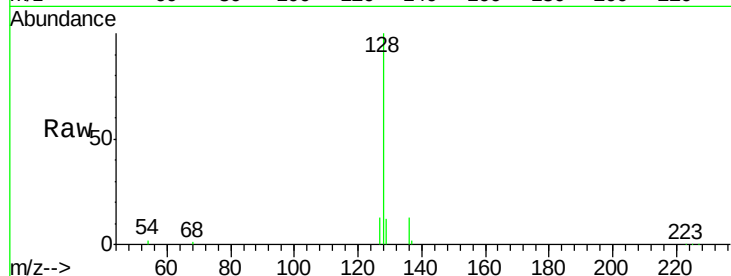
Tot Ion:128 Resp: 23794

Ion Ratio Lower Upper

128 100

129 11.7 9.8 14.6

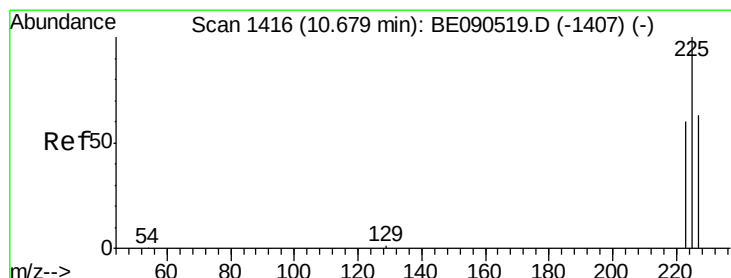
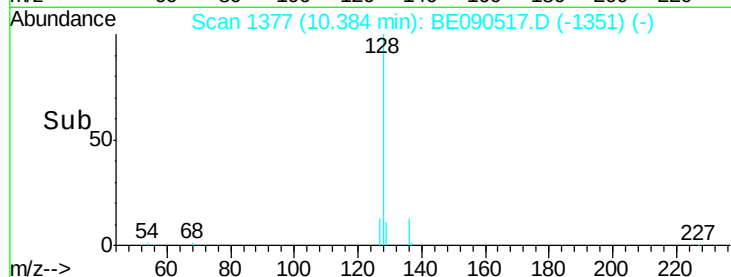
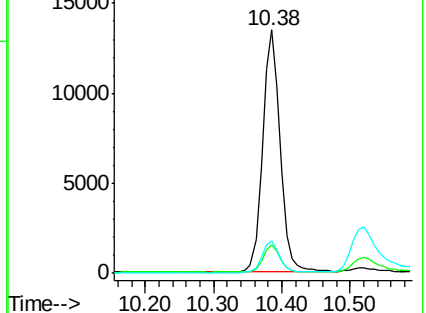
127 13.4 10.6 16.0



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: 0.45 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

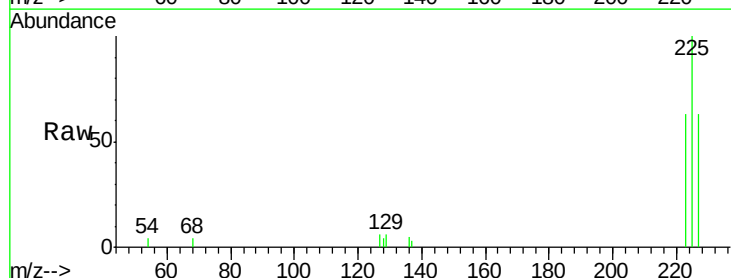
Tgt Ion:225 Resp: 3478

Ion Ratio Lower Upper

225 100

223 62.5 50.6 75.8

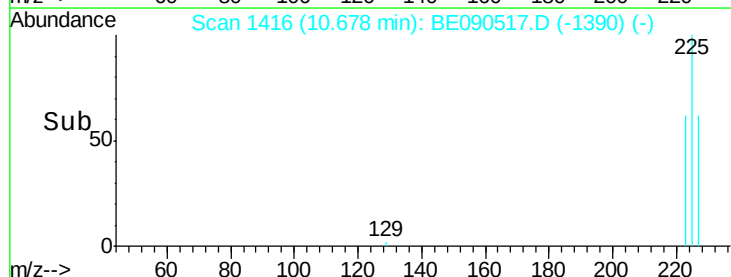
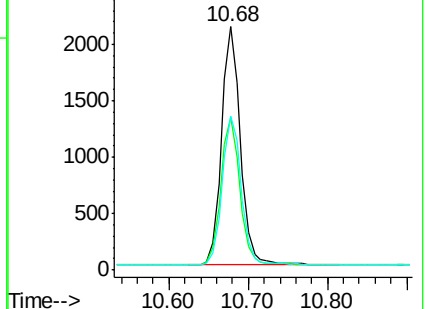
227 63.4 50.7 76.1

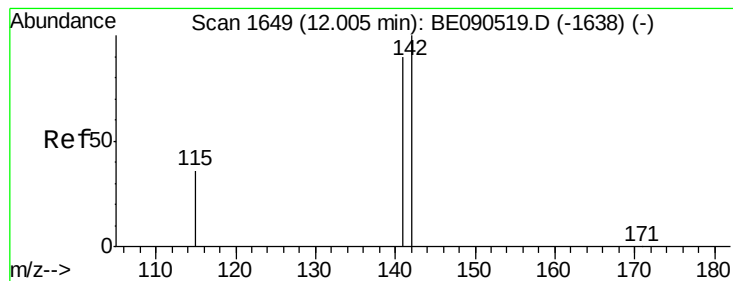


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.45 ng

RT: 12.00 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

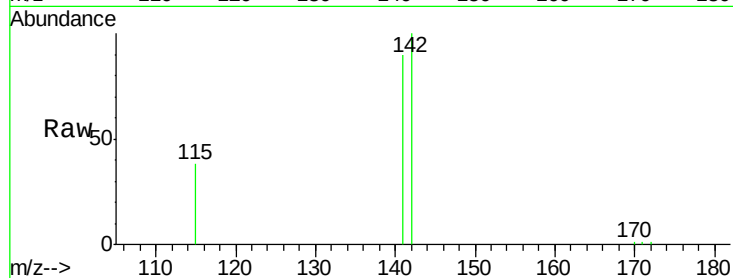
Tot Ion:142 Resp: 15291

Ion Ratio Lower Upper

142 100

141 90.4 72.6 109.0

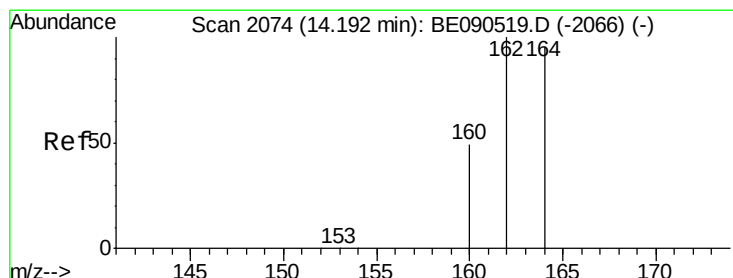
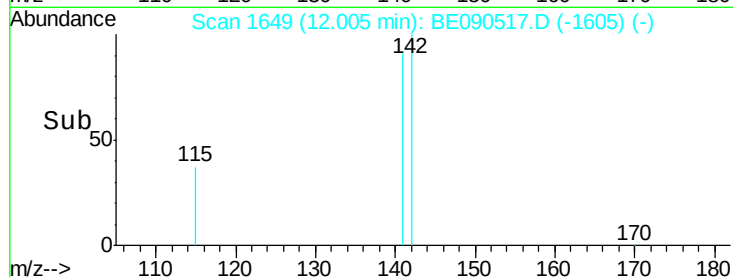
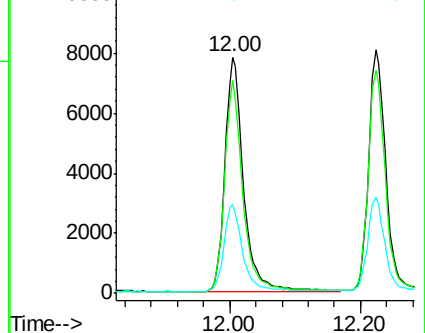
115 37.6 31.6 47.4



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: 14.19 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

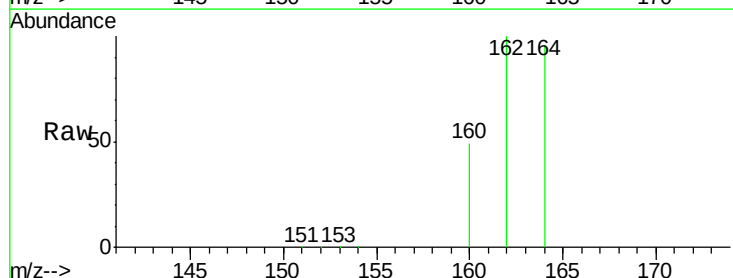
Tgt Ion:164 Resp: 121235

Ion Ratio Lower Upper

164 100

162 104.4 81.8 122.8

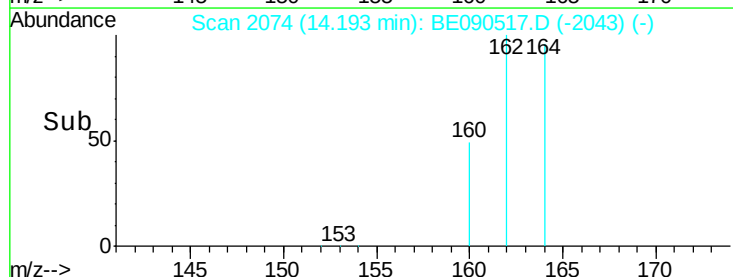
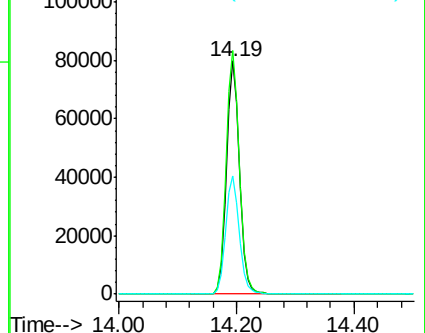
160 50.9 44.2 66.4



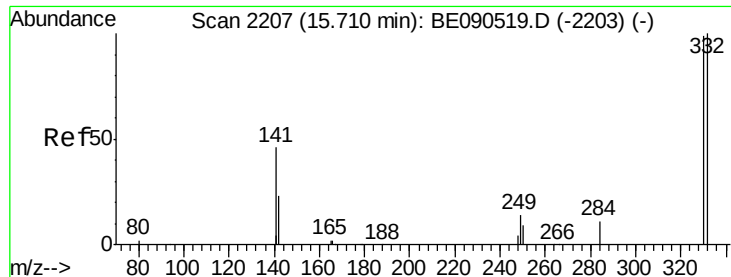
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



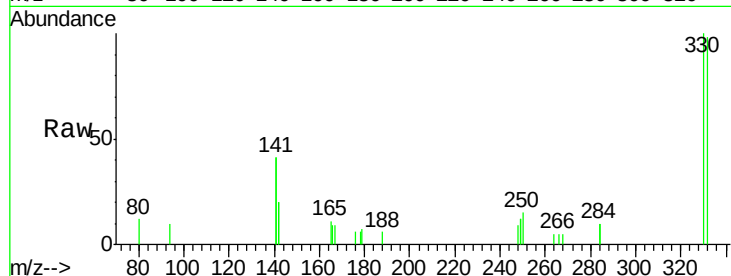




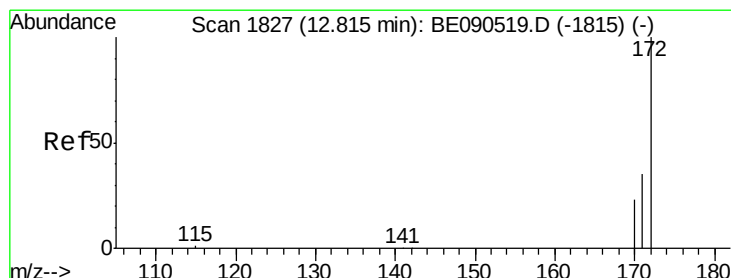
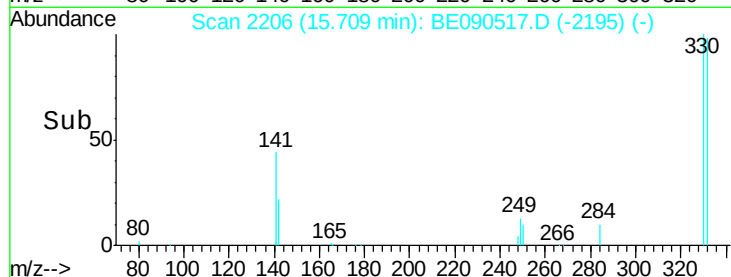
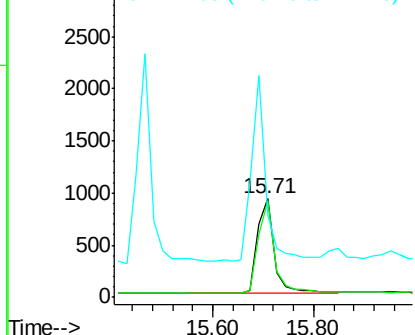
#13  
 2,4,6-Tribromophenol  
 Concen: 0.45 ng  
 RT: 15.71 min Scan# 2206  
 Delta R.T. -0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

Tot Ion:330 Resp: 2036  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 75.8 113.6  
 141 172.0 114.4 171.6#

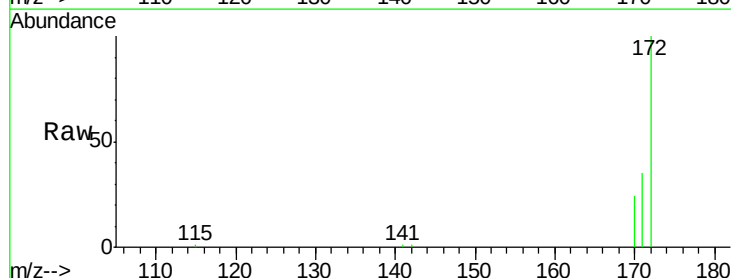


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

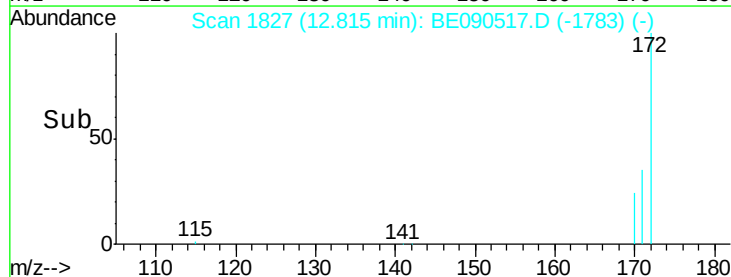
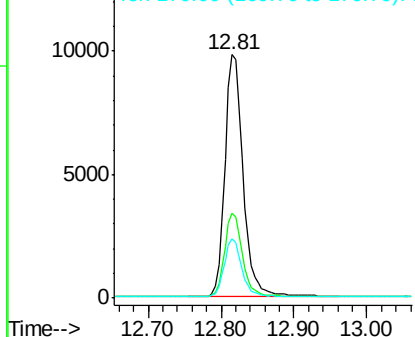


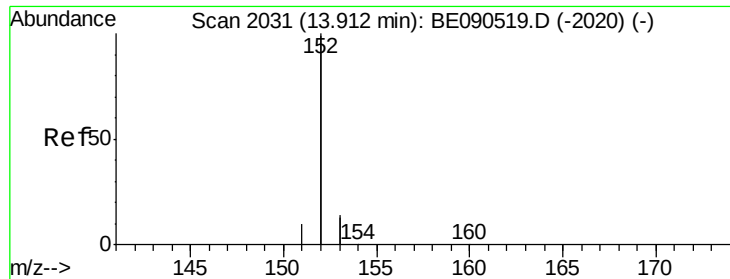
#14  
 2-Fluorobiphenyl  
 Concen: 0.45 ng  
 RT: 12.81 min Scan# 1827  
 Delta R.T. -0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

Tgt Ion:172 Resp: 17133  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.5 42.7  
 170 24.2 19.8 29.8



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: 0.45 ng

RT: 13.91 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

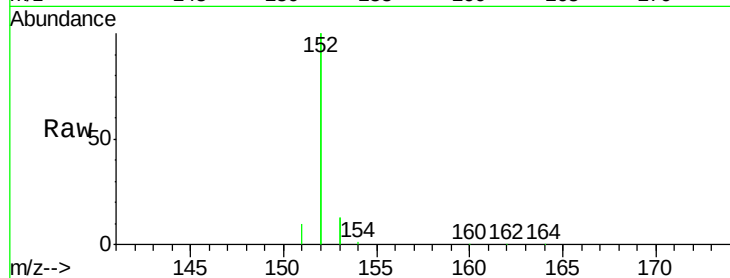
Tot Ion:152 Resp: 103554

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

153 13.0 10.3 15.5



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

80000

60000

40000

20000

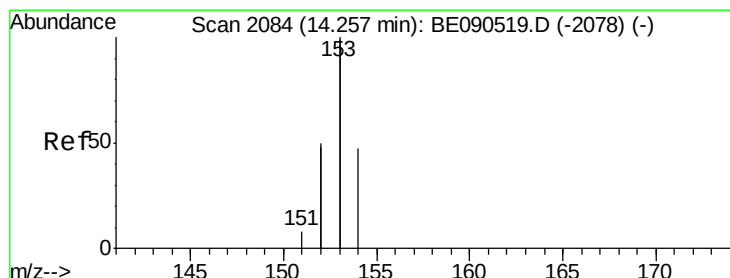
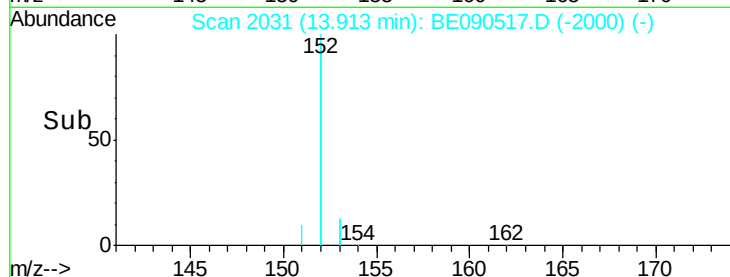
0

13.80

13.91

14.00

Time-->



#16

Acenaphthene

Concen: 0.45 ng

RT: 14.26 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

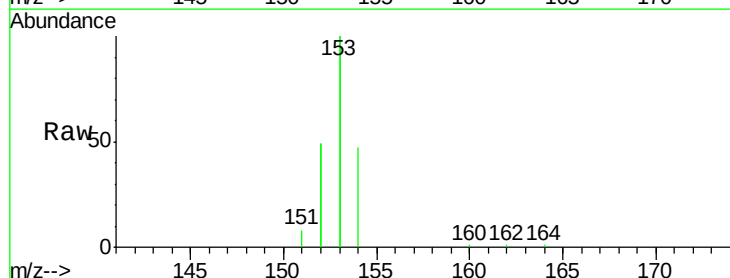
Tgt Ion:154 Resp: 15712

Ion Ratio Lower Upper

154 100

153 435.0 376.2 564.2

152 226.6 235.0 352.4#



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

60000

50000

40000

30000

20000

10000

0

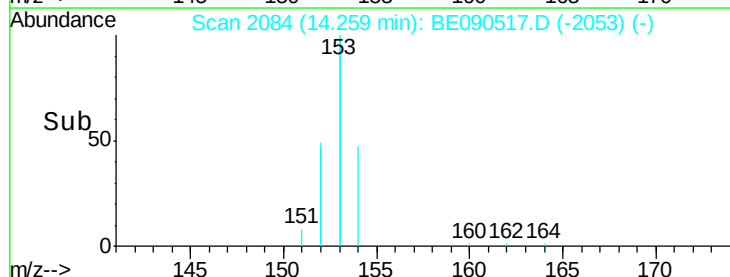
14.20

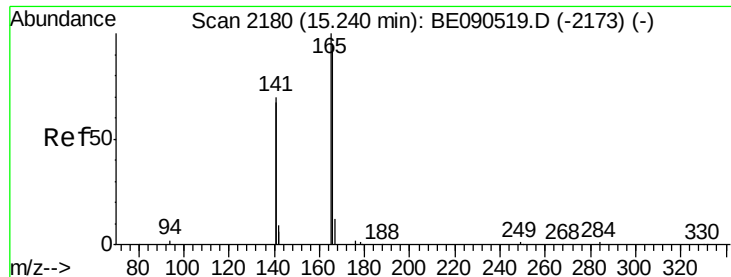
14.26

14.30

14.40

Time-->

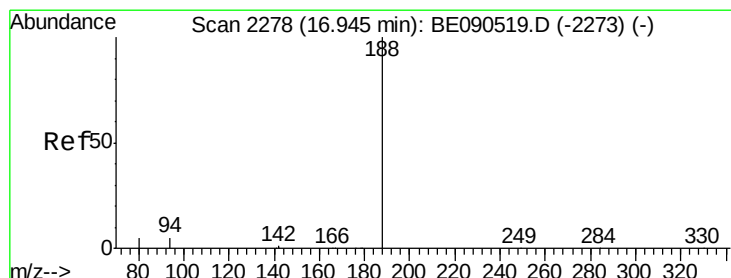
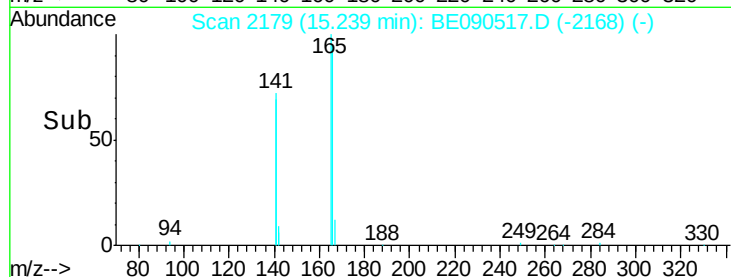
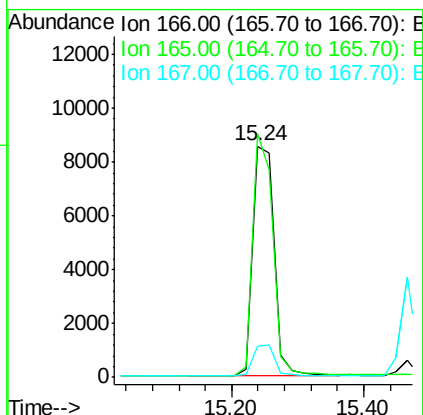
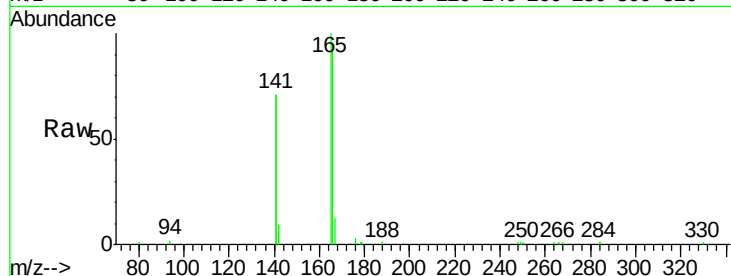




#17  
Fluorene  
Concen: 0.44 ng  
RT: 15.24 min Scan# 2179  
Delta R.T. -0.00 min  
Lab File: BE090517.D  
Acq: 14 Aug 2015 12:54

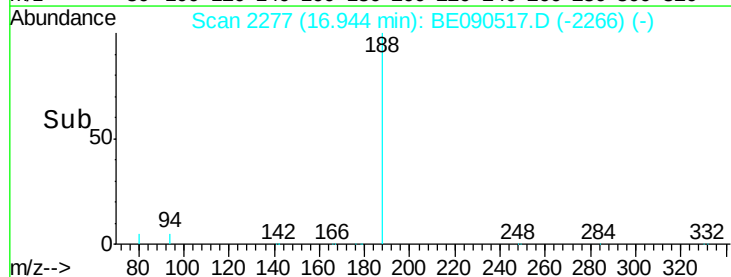
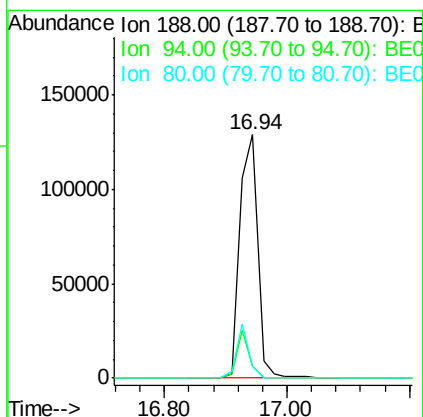
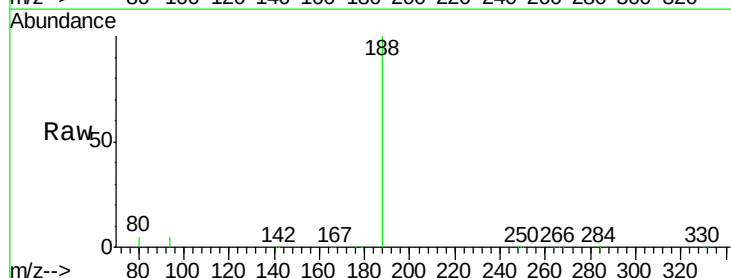
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.5

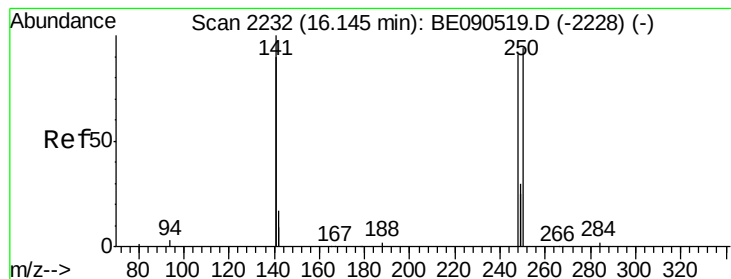
Tot Ion:166 Resp: 19092  
Ion Ratio Lower Upper  
166 100  
165 99.6 81.5 122.3  
167 13.7 11.4 17.0



#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.94 min Scan# 2277  
Delta R.T. -0.00 min  
Lab File: BE090517.D  
Acq: 14 Aug 2015 12:54

Tgt Ion:188 Resp: 262001  
Ion Ratio Lower Upper  
188 100  
94 4.8 5.7 8.5#  
80 4.8 5.8 8.8#





#19

4-Bromophenyl-phenylether

Concen: 0.45 ng

RT: 16.14 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

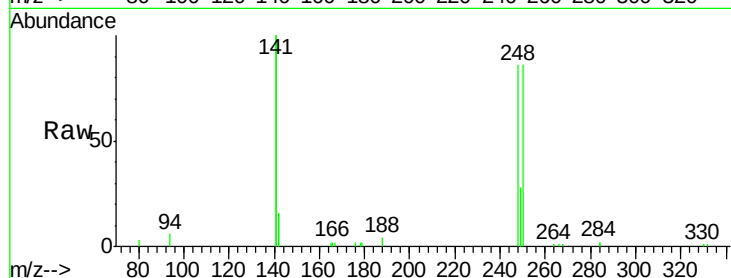
Tot Ion:248 Resp: 5139

Ion Ratio Lower Upper

248 100

250 99.5 79.0 118.6

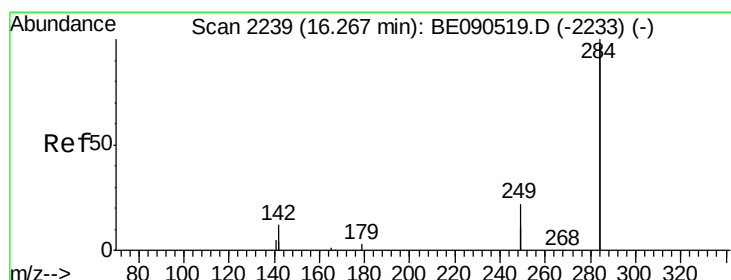
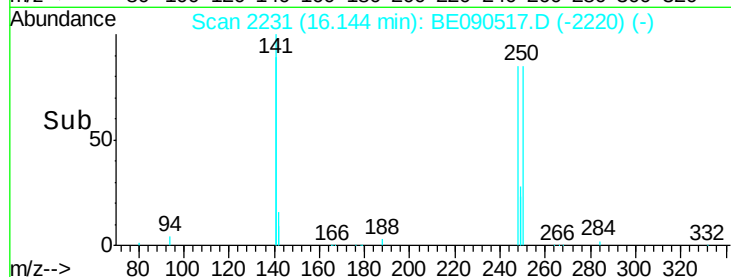
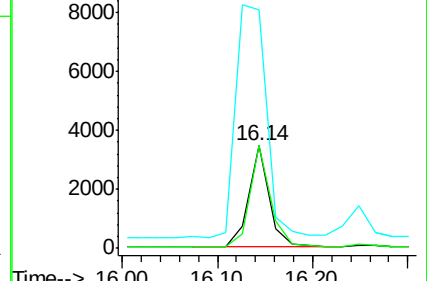
141 344.0 239.5 359.3



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



#20

Hexachlorobenzene

Concen: 0.46 ng

RT: 16.27 min Scan# 2238

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

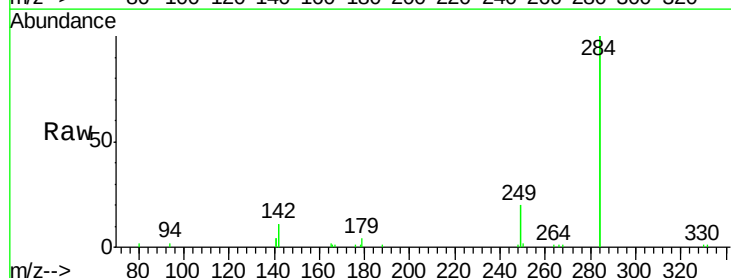
Tgt Ion:284 Resp: 23294

Ion Ratio Lower Upper

284 100

142 40.9 30.1 45.1

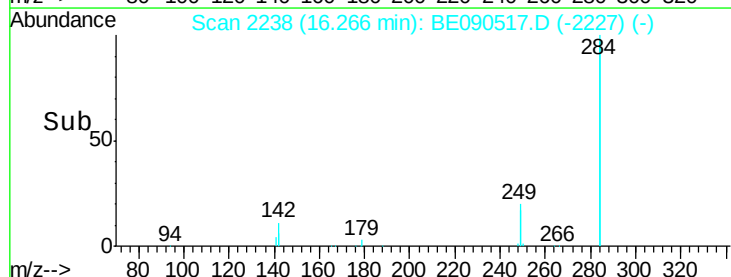
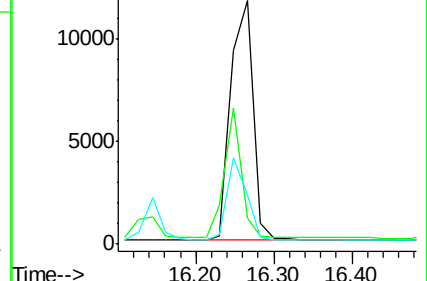
249 29.8 25.7 38.5

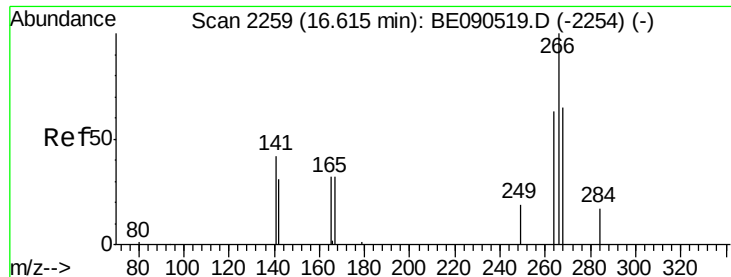


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

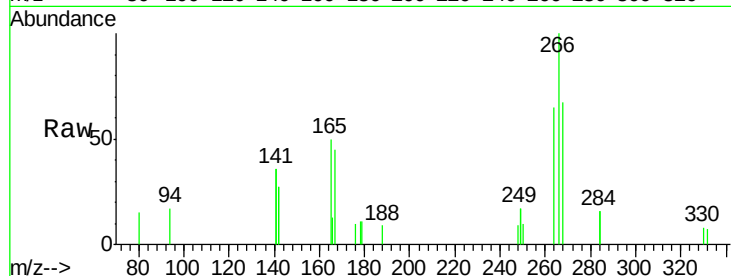




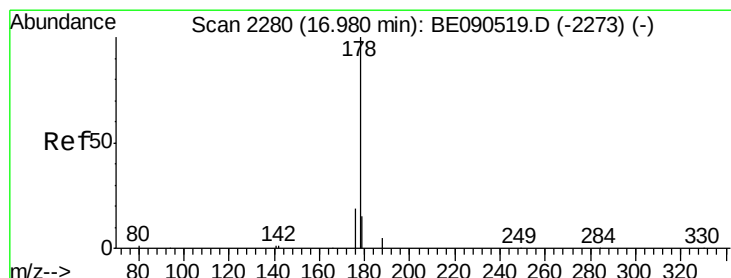
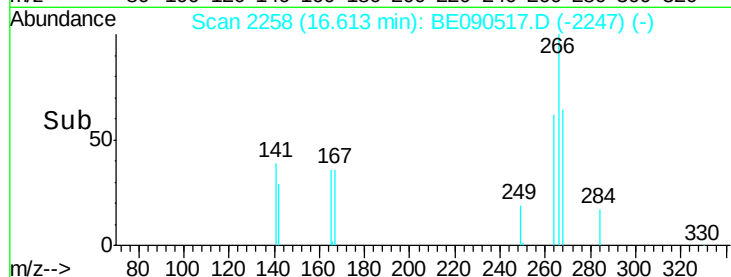
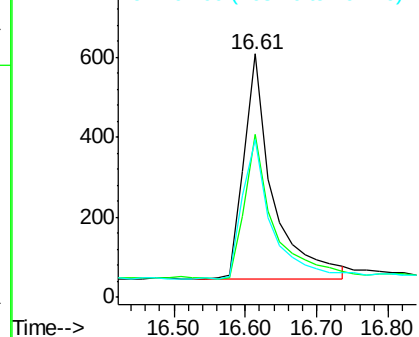
#21  
 Pentachlorophenol  
 Concen: 0.44 ng  
 RT: 16.61 min Scan# 2258  
 Delta R.T. -0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

Tot Ion:266 Resp: 1561  
 Ion Ratio Lower Upper  
 266 100  
 268 66.9 58.5 87.7  
 264 65.0 56.0 84.0

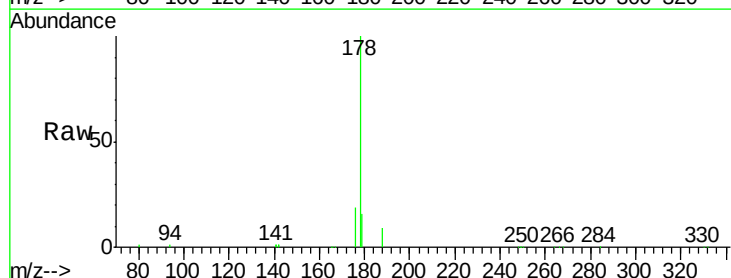


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

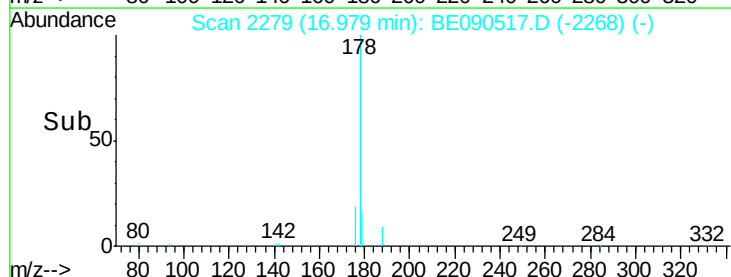
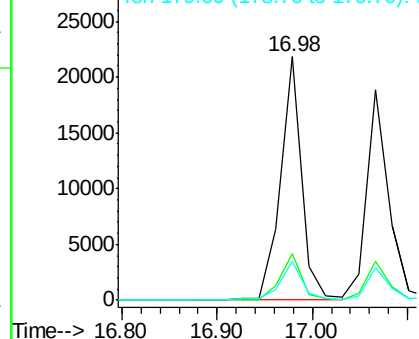


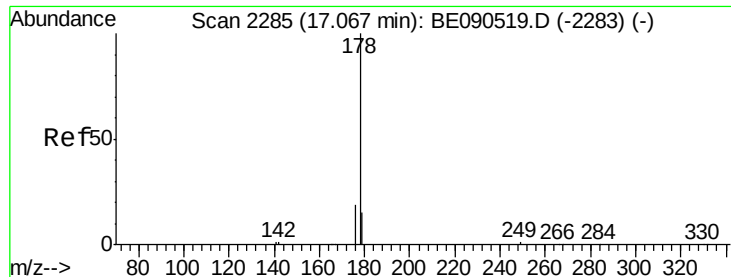
#22  
 Phenanthrene  
 Concen: 0.45 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

Tgt Ion:178 Resp: 33019  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.4 23.2  
 179 15.8 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: 0.46 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

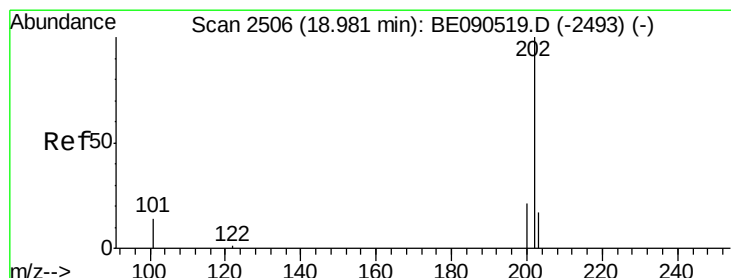
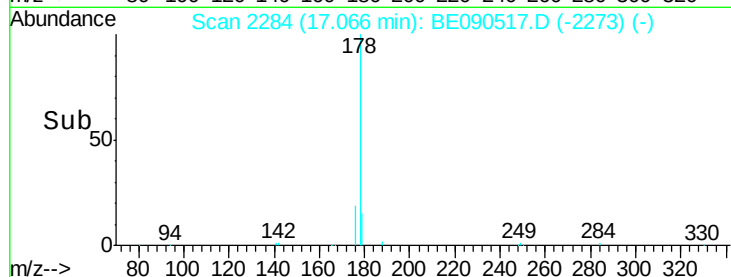
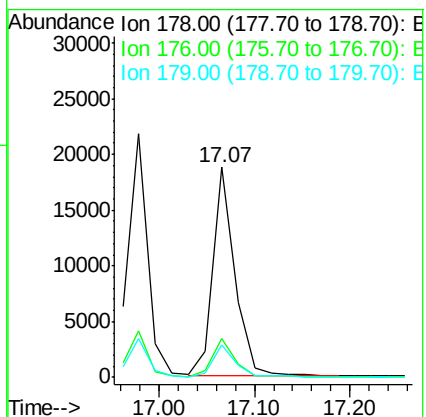
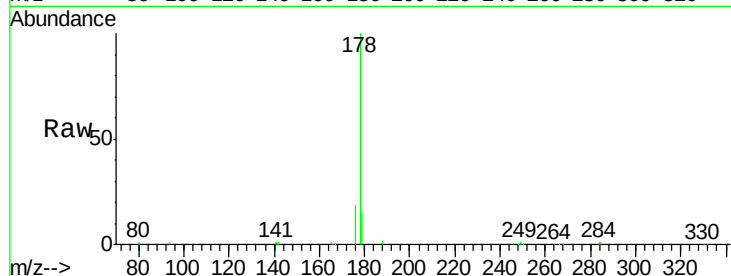
Tot Ion:178 Resp: 30022

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 15.0 12.2 18.4



#24

Fluoranthene

Concen: 0.46 ng

RT: 18.98 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

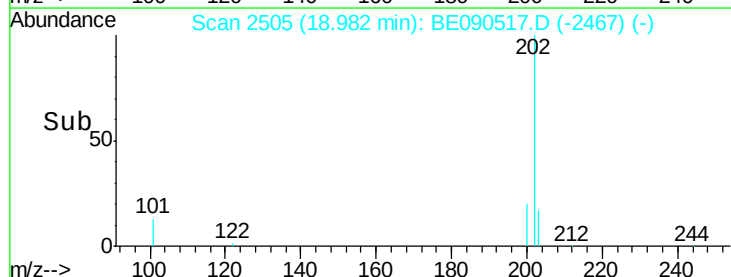
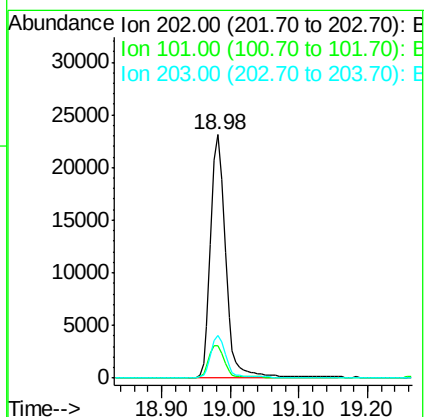
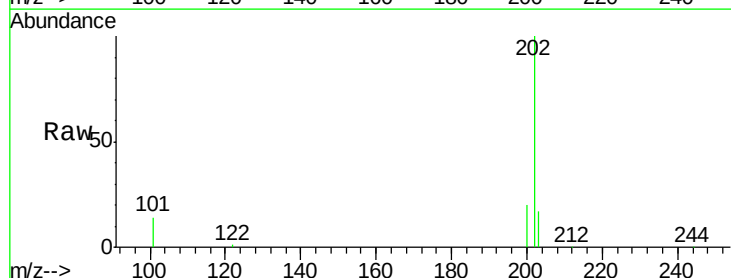
Tgt Ion:202 Resp: 34860

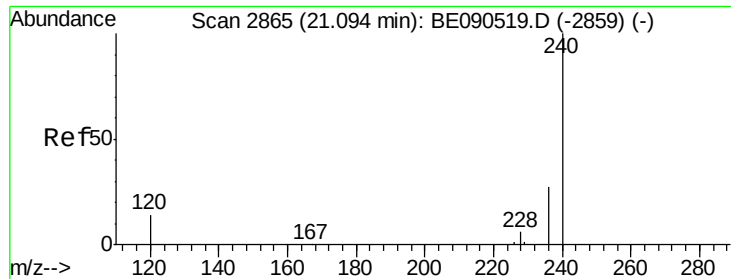
Ion Ratio Lower Upper

202 100

101 13.7 10.3 15.5

203 17.2 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

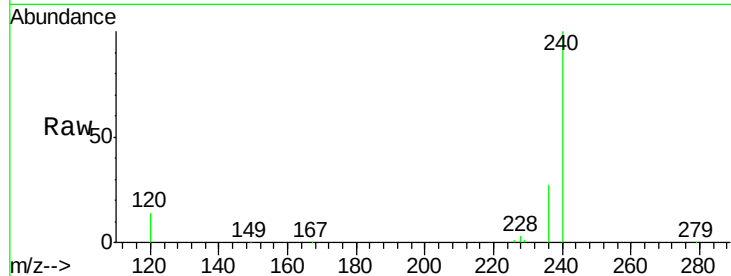
Tot Ion:240 Resp: 268798

Ion Ratio Lower Upper

240 100

120 13.8 8.3 12.5#

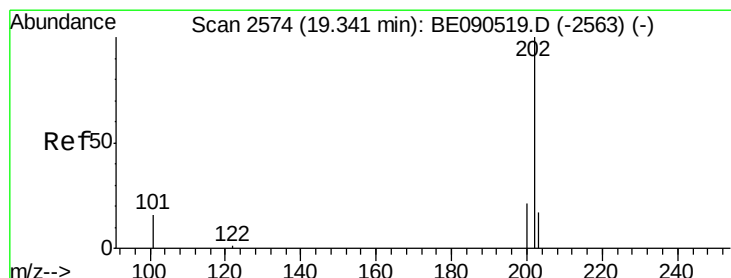
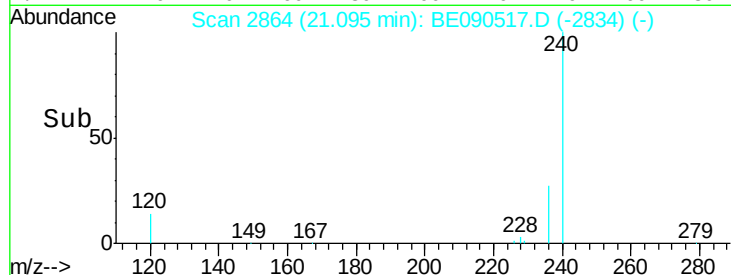
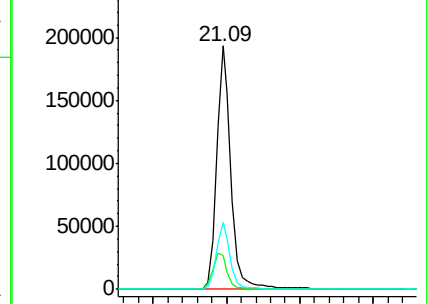
236 27.3 21.0 31.4



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: 0.45 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

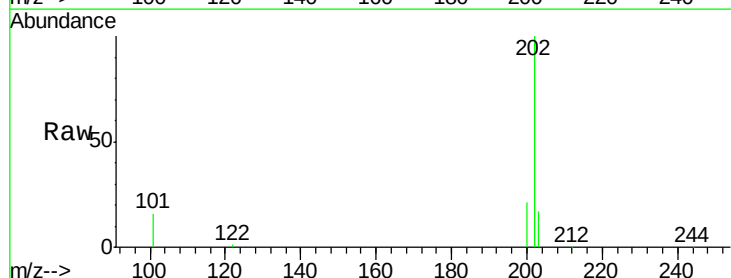
Tgt Ion:202 Resp: 36089

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

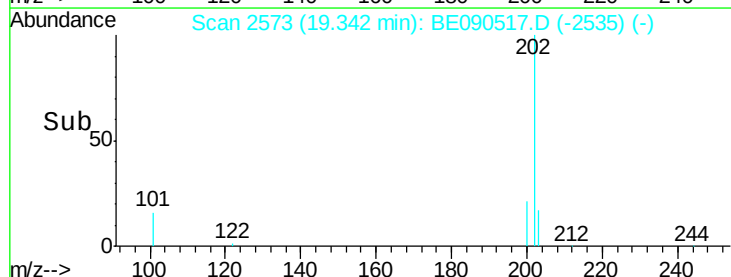
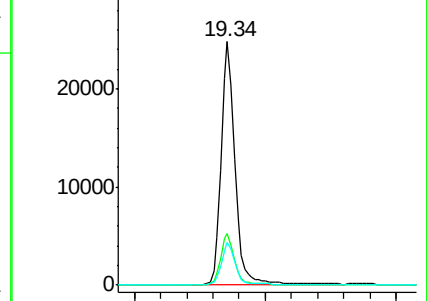
203 17.1 13.8 20.8

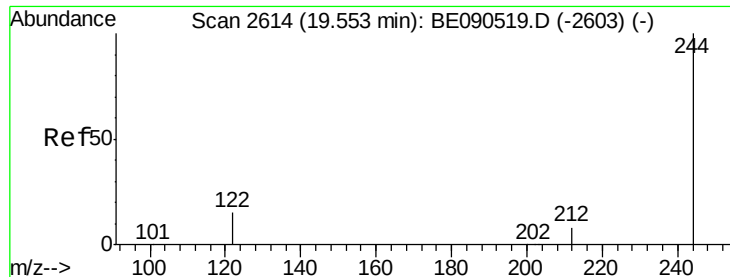


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

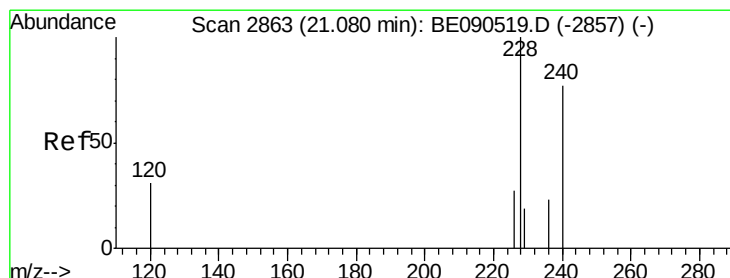
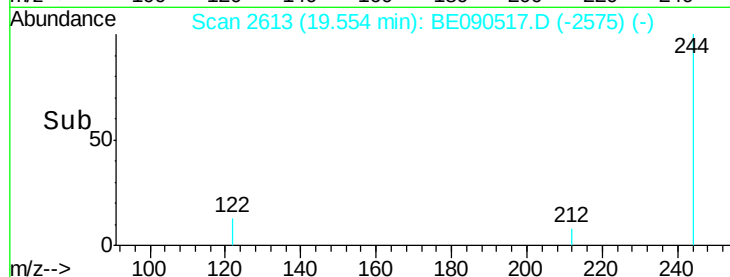
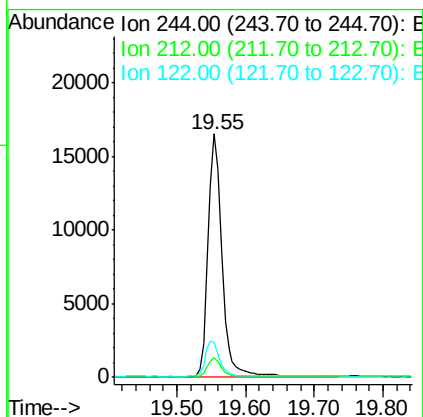
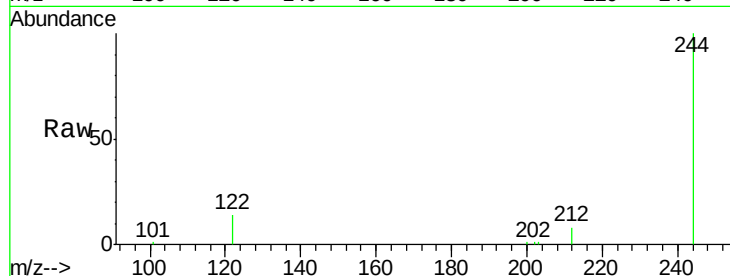




#27  
 Terphenyl-d14  
 Concen: 0.45 ng  
 RT: 19.55 min Scan# 2613  
 Delta R.T. 0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

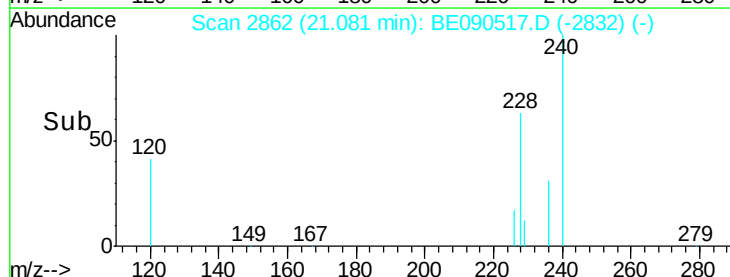
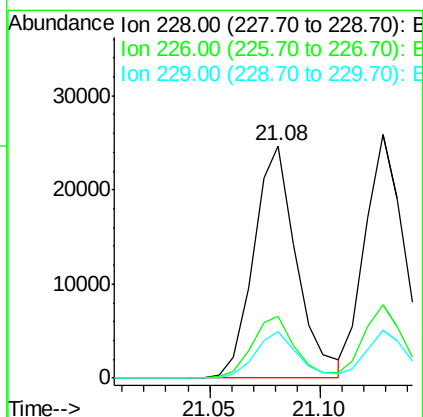
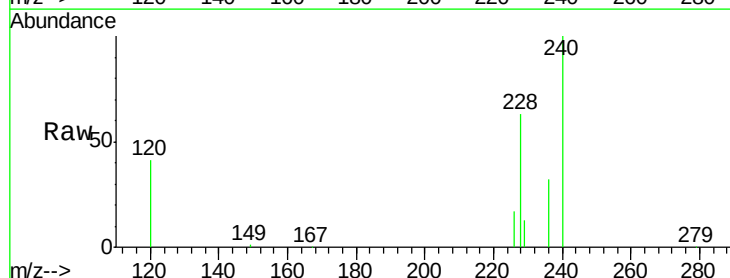
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

Tot Ion:244 Resp: 22989  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.6 9.8  
 122 14.2 10.2 15.4

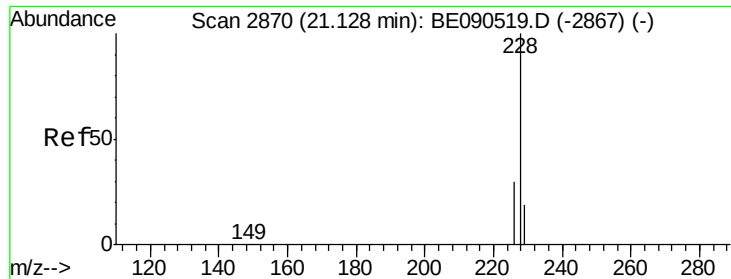


#28  
 Benzo(a)anthracene  
 Concen: 0.45 ng  
 RT: 21.08 min Scan# 2862  
 Delta R.T. 0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

Tgt Ion:228 Resp: 33227  
 Ion Ratio Lower Upper  
 228 100  
 226 26.5 21.9 32.9  
 229 19.9 15.4 23.0







#29

Chrysene

Concen: 0.45 ng

RT: 21.13 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

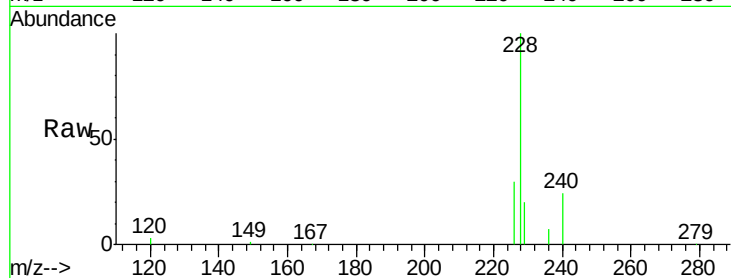
Tot Ion:228 Resp: 34487

Ion Ratio Lower Upper

228 100

226 30.2 23.1 34.7

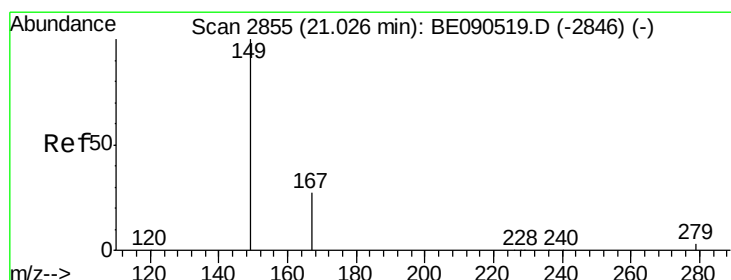
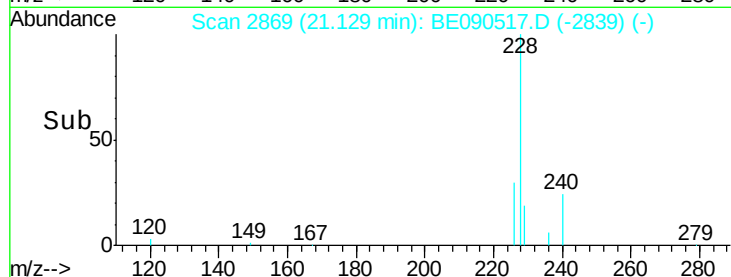
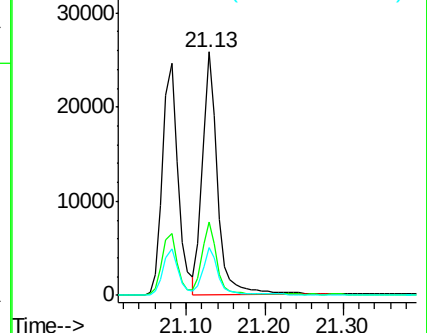
229 19.5 15.8 23.8



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: 0.43 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

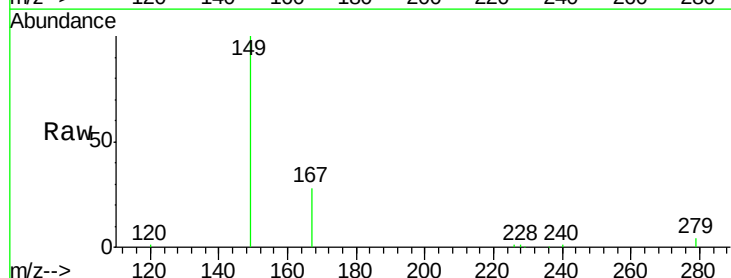
Tgt Ion:149 Resp: 16536

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

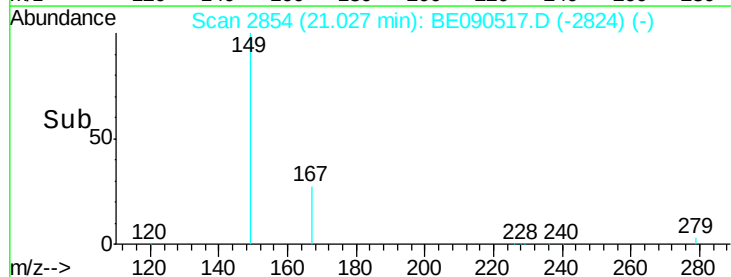
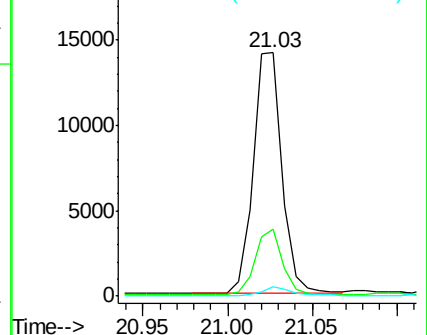
279 3.0 2.4 3.6

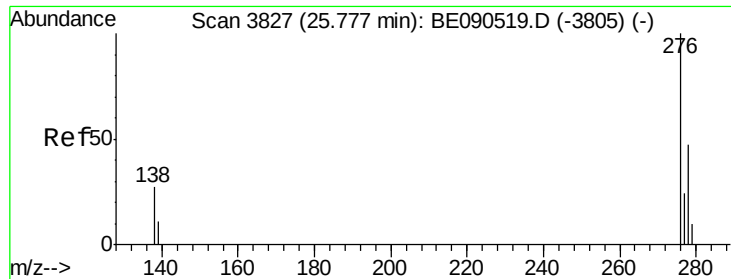


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

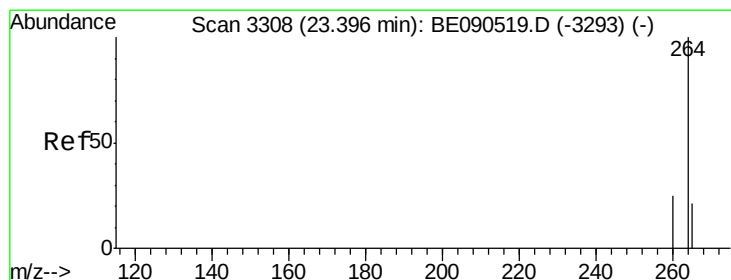
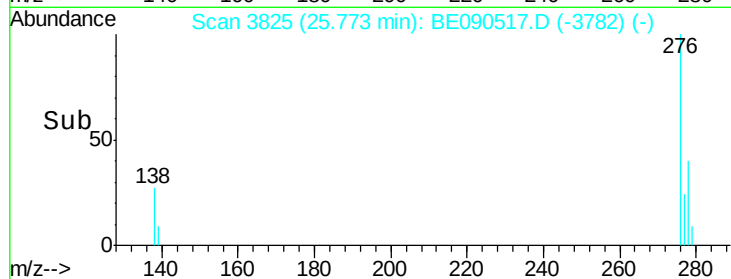
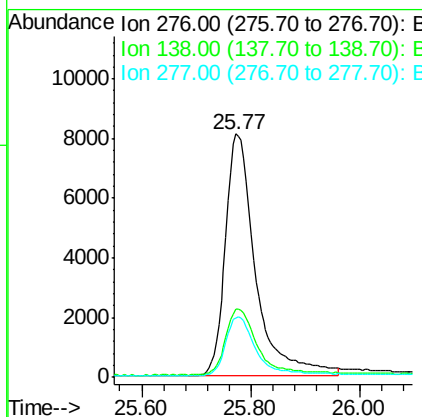
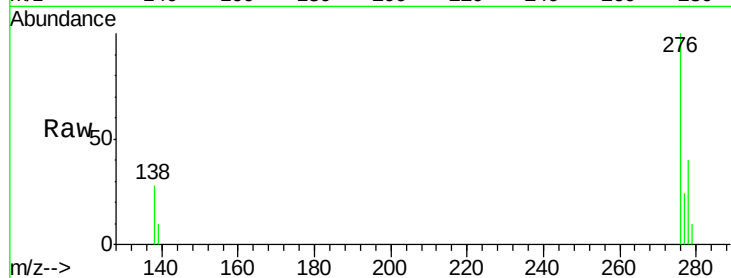




#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.45 ng  
 RT: 25.77 min Scan# 3825  
 Delta R.T. -0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

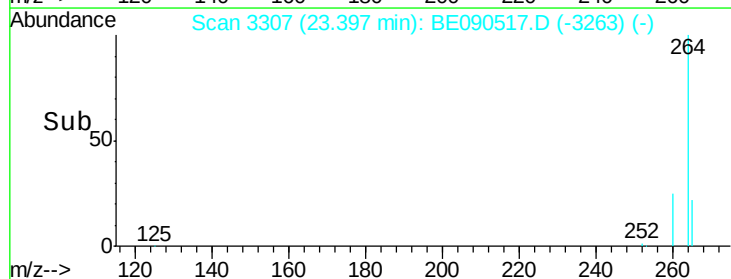
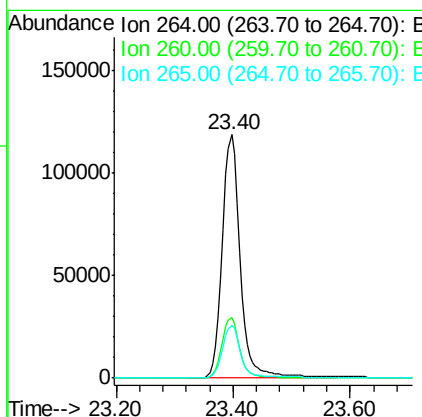
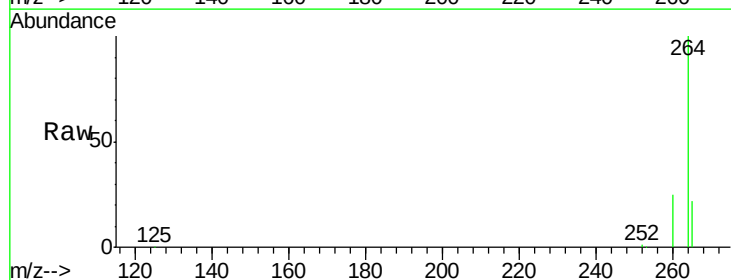
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.5

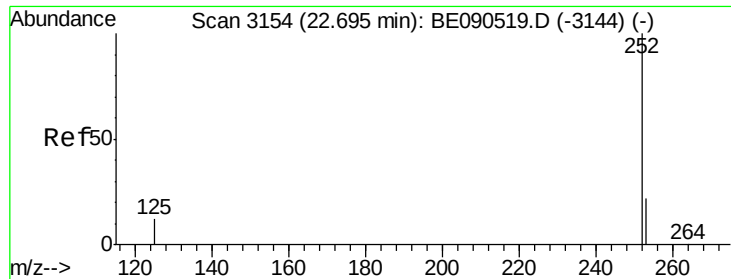
Tot Ion:276 Resp: 31141  
 Ion Ratio Lower Upper  
 276 100  
 138 28.4 18.8 28.2#  
 277 24.8 18.2 27.4



#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.40 min Scan# 3307  
 Delta R.T. 0.00 min  
 Lab File: BE090517.D  
 Acq: 14 Aug 2015 12:54

Tgt Ion:264 Resp: 250618  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 20.1 30.1  
 265 21.7 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.44 ng

RT: 22.70 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

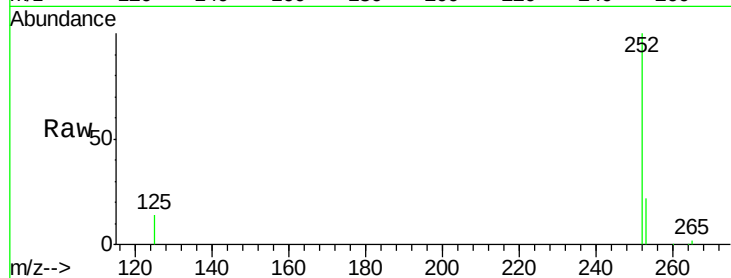
Tot Ion:252 Resp: 27281

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

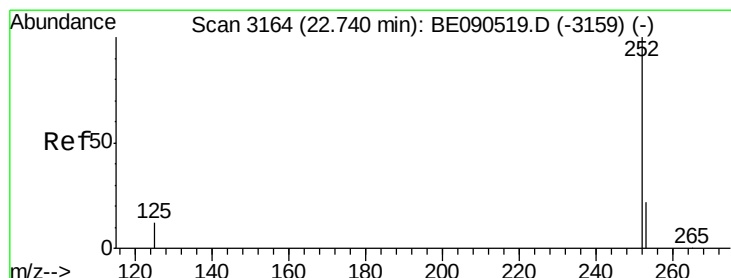
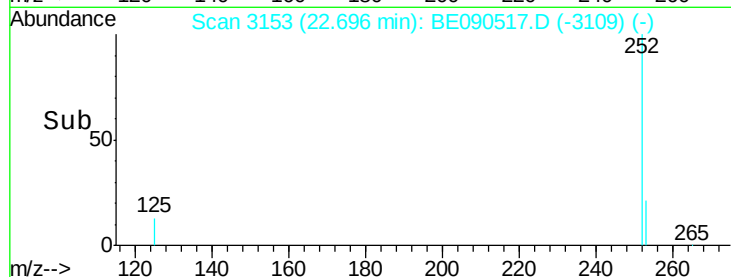
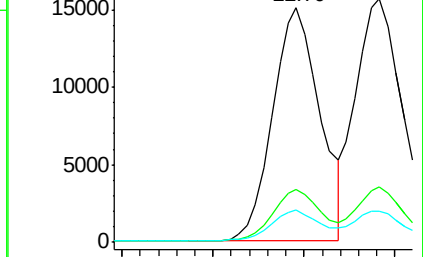
125 13.7 9.4 14.2



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: 0.44 ng

RT: 22.74 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

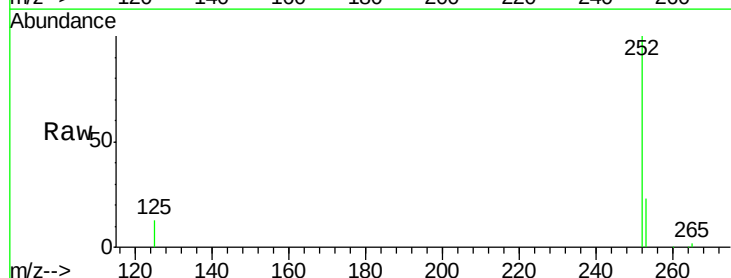
Tgt Ion:252 Resp: 31120

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

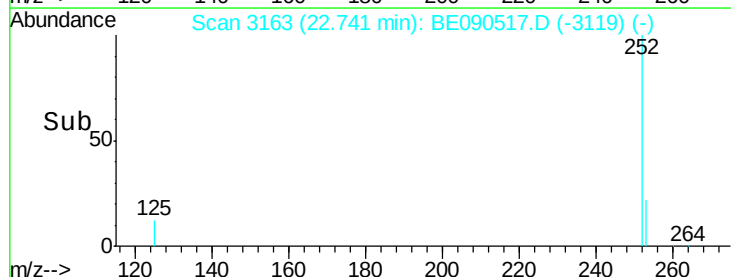
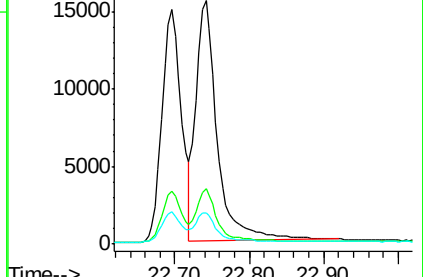
125 12.6 9.1 13.7

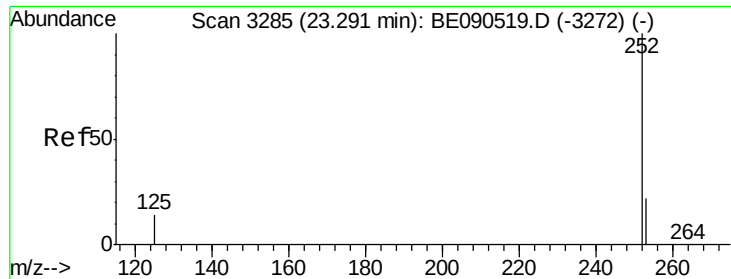


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.45 ng

RT: 23.29 min Scan# 3284

Delta R.T. 0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

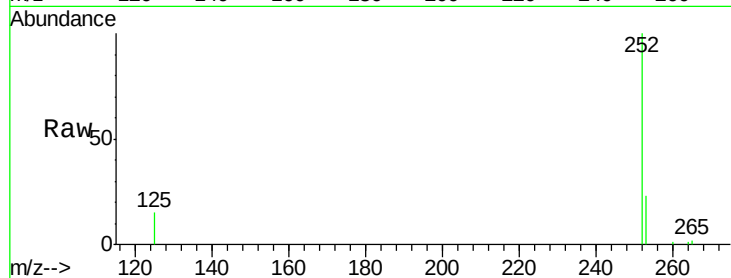
Tot Ion:252 Resp: 25286

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

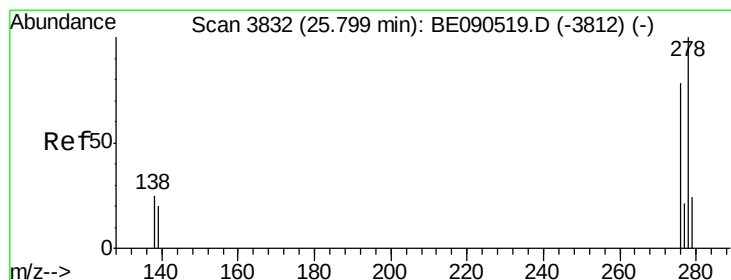
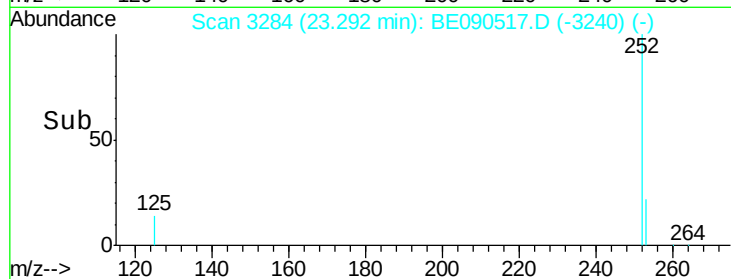
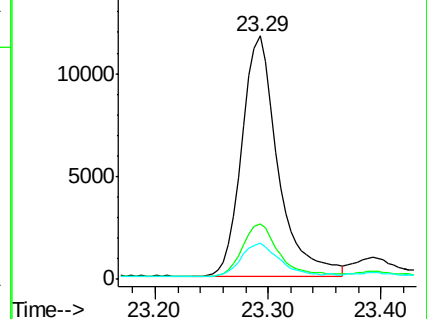
125 14.9 9.8 14.6#



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: 0.44 ng

RT: 25.80 min Scan# 3830

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

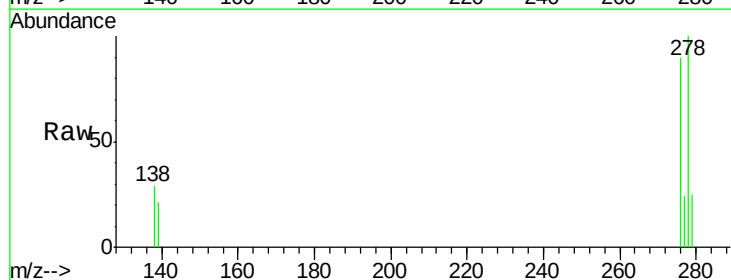
Tgt Ion:278 Resp: 23871

Ion Ratio Lower Upper

278 100

139 21.2 14.2 21.4

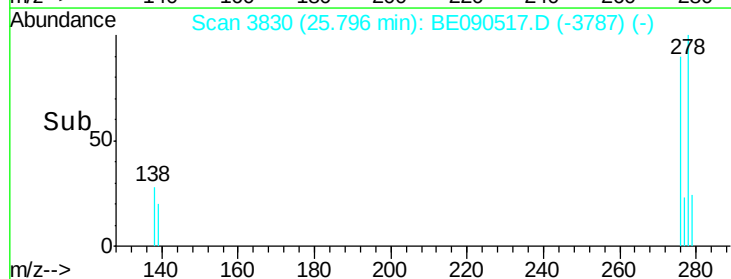
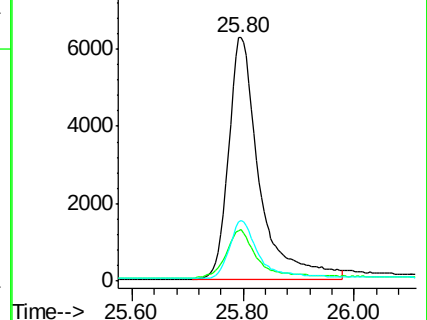
279 24.7 20.1 30.1

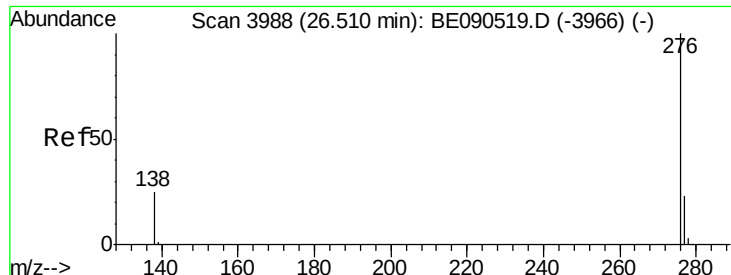


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 0.45 ng

RT: 26.51 min Scan# 3986

Delta R.T. -0.00 min

Lab File: BE090517.D

Acq: 14 Aug 2015 12:54

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.5

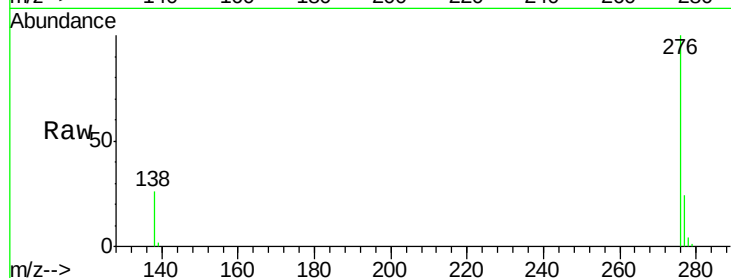
Tot Ion: 276 Resp: 26829

Ion Ratio Lower Upper

276 100

277 24.4 20.1 30.1

138 25.6 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

