

Data Path : S:\HPCHEM1\BNA\_E\DATA\BE050517\  
 Data File : BE092957.D  
 Acq On : 6 May 2017 8:12  
 Operator : SJ/MA  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: May 08 04:29:46 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE050517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 14:05:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 719      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3501     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1807     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 4422     | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 5448     | 0.40 | ng    | 0.00     |
| 33) Perylene-d12          | 23.70 | 264  | 4756     | 0.40 | ng    | 0.01     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.37  | 112 | 920  | 0.57 | ng | 0.01 |
| 5) Phenol-d6                | 6.94  | 99  | 1399 | 0.62 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.90  | 82  | 1273 | 0.54 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152 | 2031 | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 227  | 0.80 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 2882 | 0.35 | ng | 0.00 |
| 24) Fluoranthene-d10        | 19.15 | 212 | 5108 | 0.50 | ng | 0.00 |
| 28) Terphenyl-d14           | 19.74 | 244 | 3204 | 0.34 | ng | 0.00 |

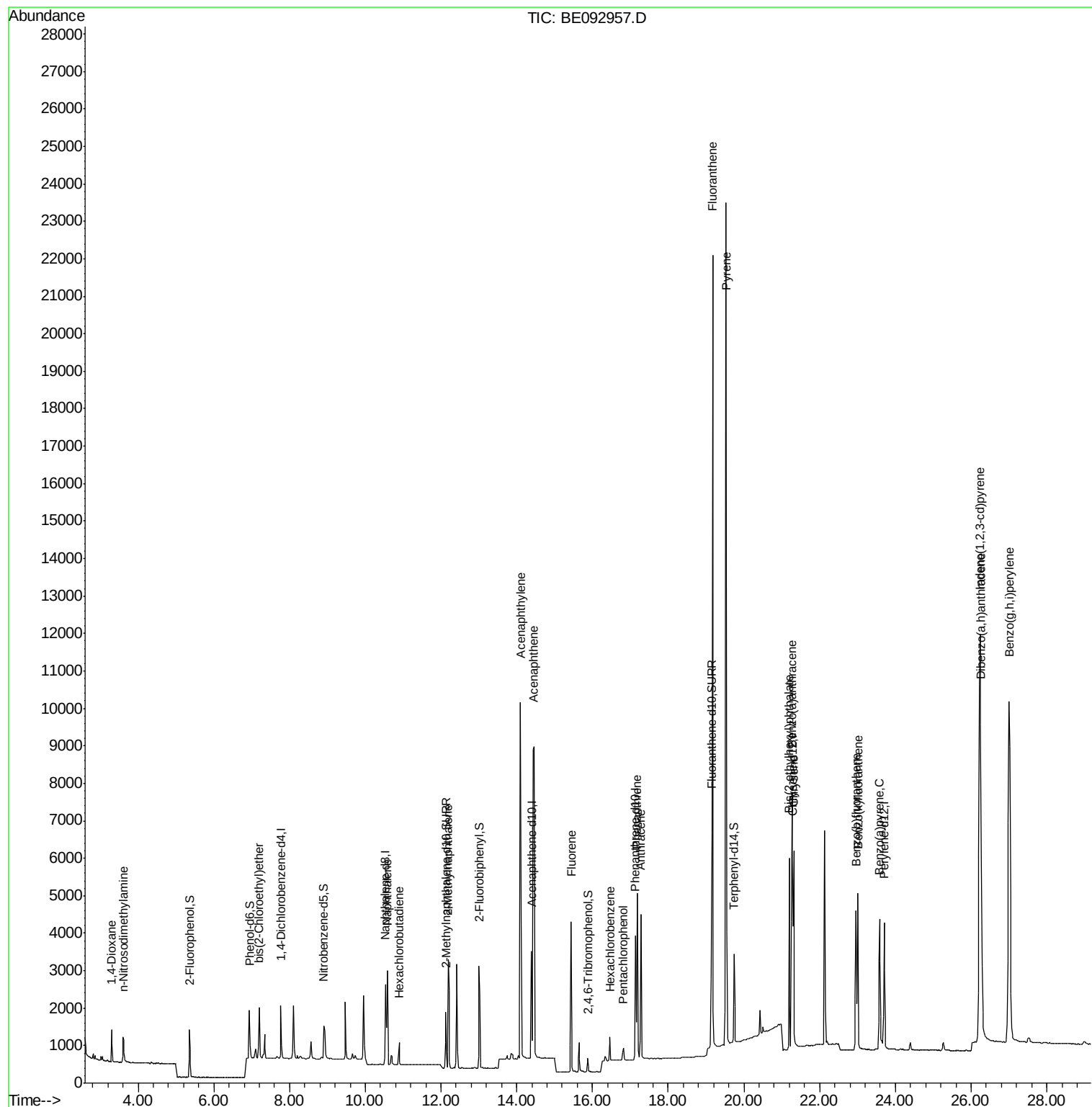
|                                |       |     |       |      |        |       |
|--------------------------------|-------|-----|-------|------|--------|-------|
| Target Compounds               |       |     |       |      | Qvalue |       |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 522   | 0.38 | ng     | 98    |
| 3) n-Nitrosodimethylamine      | 3.60  | 42  | 504   | 0.47 | ng     | # 85  |
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93  | 1117  | 0.42 | ng     | 99    |
| 9) Naphthalene                 | 10.58 | 128 | 3516  | 0.38 | ng     | # 86  |
| 10) Hexachlorobutadiene        | 10.89 | 225 | 468   | 0.37 | ng     | 97    |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 2265  | 0.40 | ng     | 94    |
| 16) Acenaphthylene             | 14.10 | 152 | 13083 | 0.46 | ng     | 98    |
| 17) Acenaphthene               | 14.45 | 154 | 2280  | 0.40 | ng     | 99    |
| 18) Fluorene                   | 15.44 | 166 | 2809  | 0.40 | ng     | 98    |
| 20) Hexachlorobenzene          | 16.47 | 284 | 771   | 0.41 | ng     | # 100 |
| 21) Pentachlorophenol          | 16.81 | 266 | 319   | 0.82 | ng     | # 77  |
| 22) Phenanthrene               | 17.18 | 178 | 5132  | 0.41 | ng     | 98    |
| 23) Anthracene                 | 17.27 | 178 | 4761  | 0.50 | ng     | 99    |
| 25) Fluoranthene               | 19.17 | 202 | 25640 | 0.48 | ng     | # 98  |
| 27) Pyrene                     | 19.53 | 202 | 27811 | 0.40 | ng     | # 100 |
| 29) Benzo(a)anthracene         | 21.27 | 228 | 5946  | 0.46 | ng     | # 83  |
| 30) Chrysene                   | 21.32 | 228 | 5915  | 0.36 | ng     | # 83  |
| 31) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 5316  | 1.52 | ng     | # 97  |
| 32) Indeno(1,2,3-cd)pyrene     | 26.24 | 276 | 23644 | 0.40 | ng     | 98    |
| 34) Benzo(b)fluoranthene       | 22.96 | 252 | 5998  | 0.39 | ng     | # 89  |
| 35) Benzo(k)fluoranthene       | 23.01 | 252 | 5250  | 0.34 | ng     | # 85  |
| 36) Benzo(a)pyrene             | 23.58 | 252 | 5272  | 0.41 | ng     | # 78  |
| 37) Dibenzo(a,h)anthracene     | 26.25 | 278 | 5017  | 0.35 | ng     | # 83  |
| 38) Benzo(g,h,i)perylene       | 27.00 | 276 | 21098 | 0.35 | ng     | # 82  |

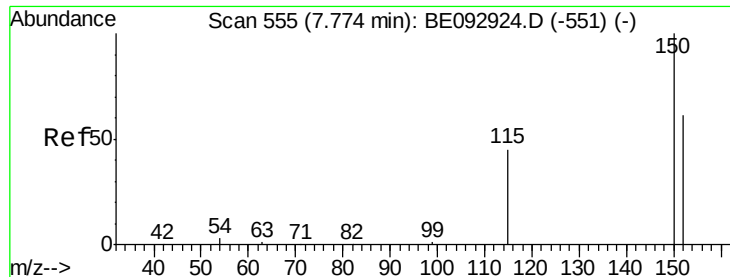
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : S:\HPCHEM1\BNA\_E\DATA\BE050517\  
Data File : BE092957.D  
Acq On : 6 May 2017 8:12  
Operator : SJ/MA  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Quant Time: May 08 04:29:46 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE050517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 05 14:05:07 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

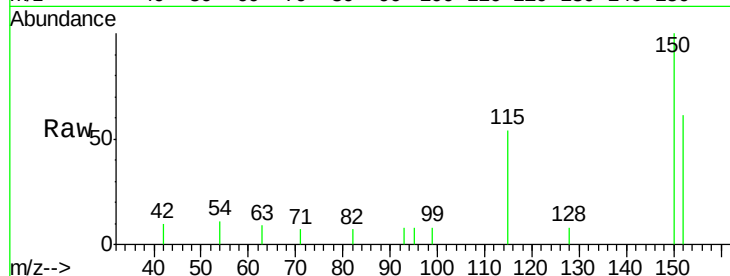
Tgt Ion:152 Resp: 719

Ion Ratio Lower Upper

152 100

150 164.2 129.9 194.9

115 88.7 62.6 93.8



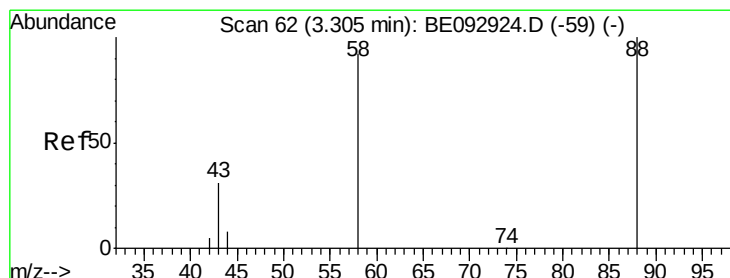
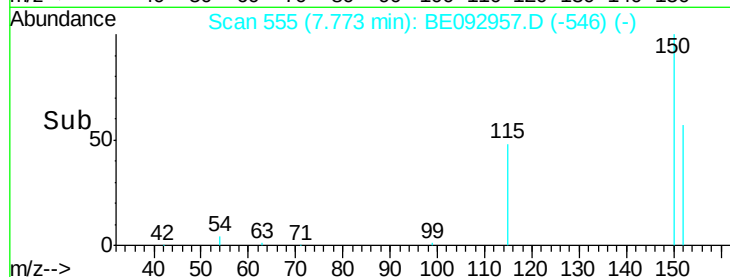
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.77

Time-->



#2

1,4-Dioxane

Concen: 0.38 ng

RT: 3.30 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

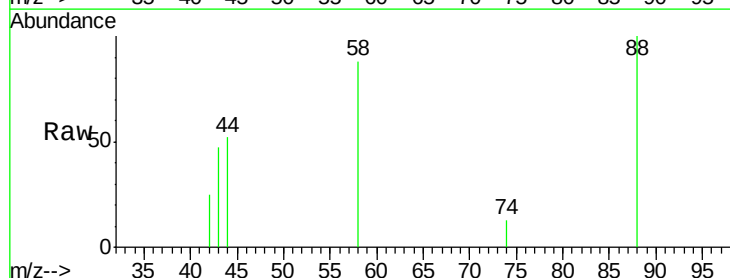
Tgt Ion: 88 Resp: 522

Ion Ratio Lower Upper

88 100

58 81.0 64.9 97.3

43 30.5 26.6 40.0



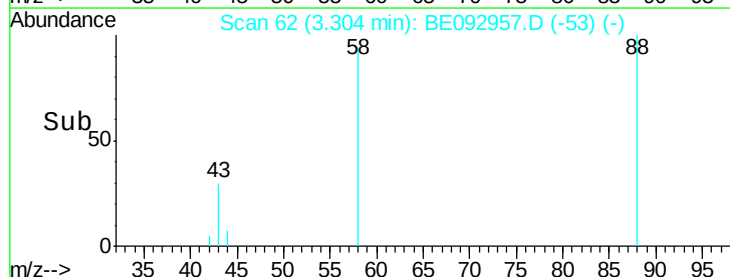
Abundance Ion 88.00 (87.70 to 88.70): BE0

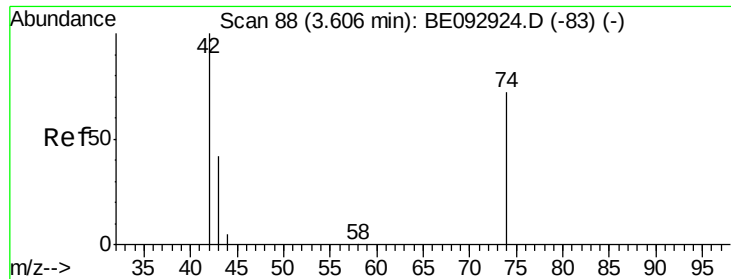
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.30

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.47 ng

RT: 3.60 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

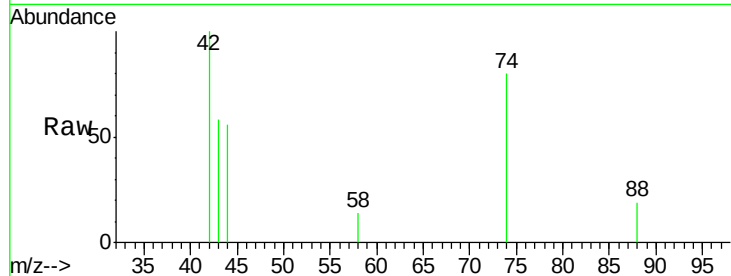
Tgt Ion: 42 Resp: 504

Ion Ratio Lower Upper

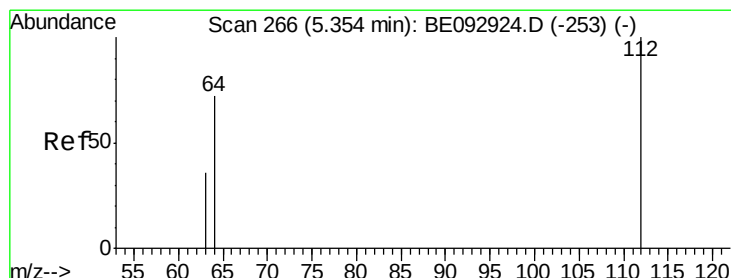
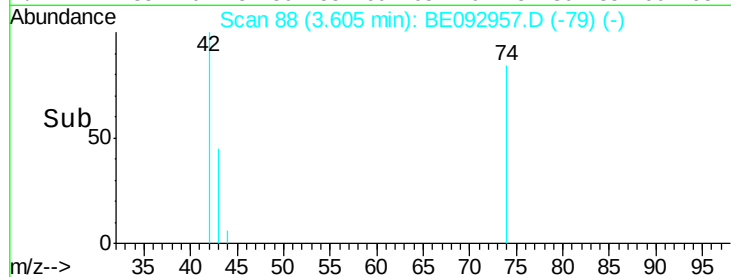
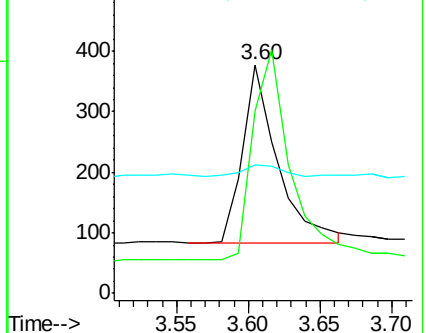
42 100

74 124.4 106.6 160.0

44 6.9 25.7 38.5#



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: 0.57 ng

RT: 5.37 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

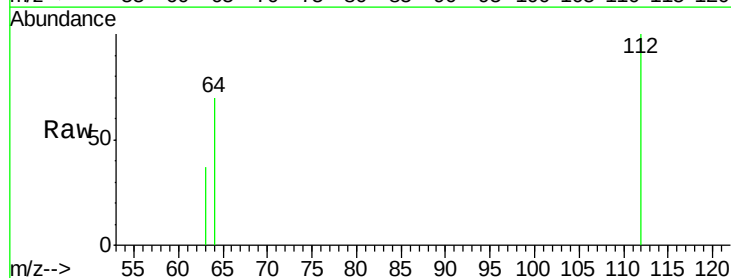
Tgt Ion: 112 Resp: 920

Ion Ratio Lower Upper

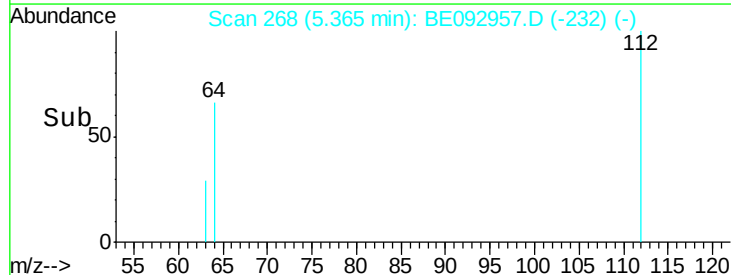
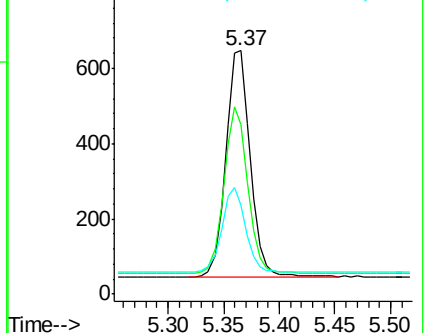
112 100

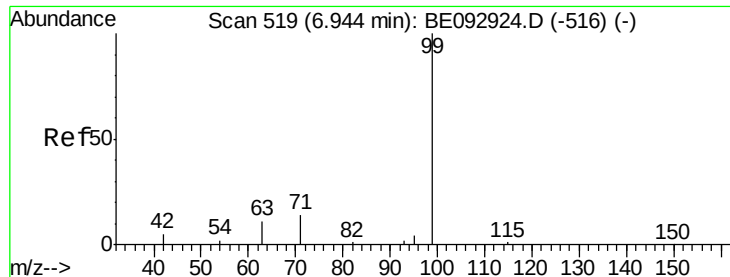
64 71.5 52.6 79.0

63 35.9 29.0 43.4



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: 0.62 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

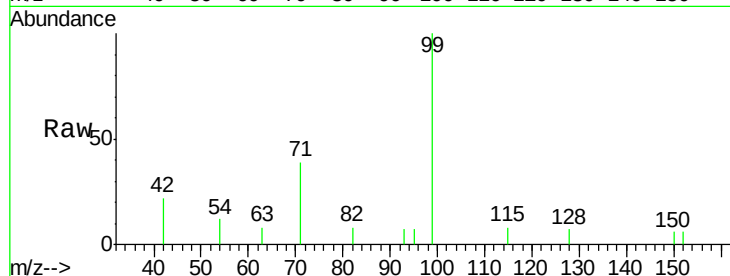
Tgt Ion: 99 Resp: 1399

Ion Ratio Lower Upper

99 100

42 20.4 0.0 0.0#

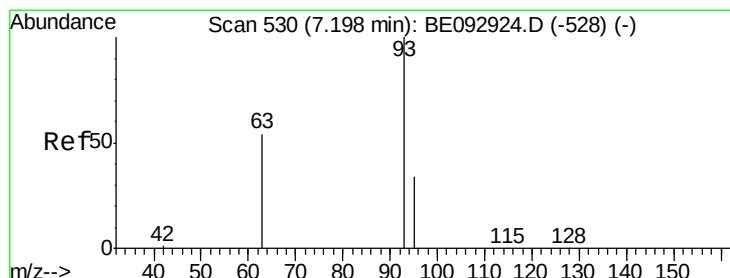
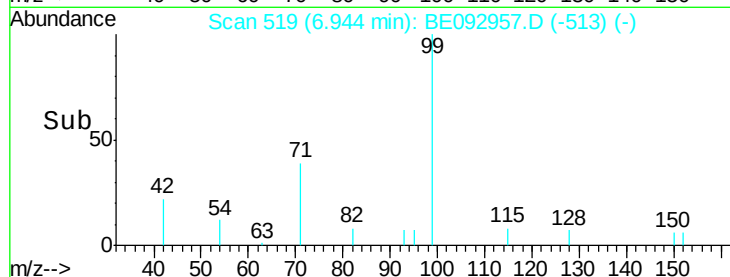
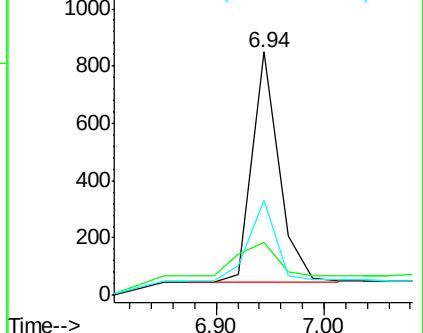
71 35.4 0.0 0.0#



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

bis(2-Chloroethyl)ether

Concen: 0.42 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

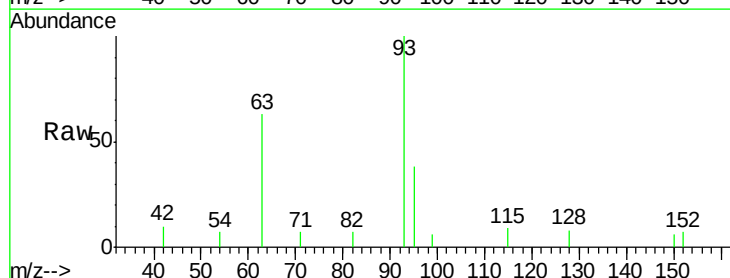
Tgt Ion: 93 Resp: 1117

Ion Ratio Lower Upper

93 100

63 76.2 61.2 91.8

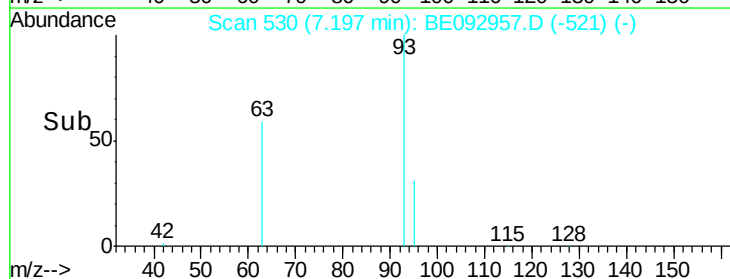
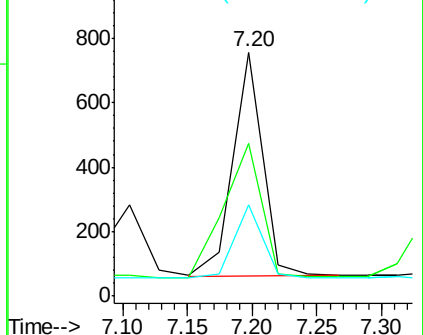
95 32.5 25.5 38.3

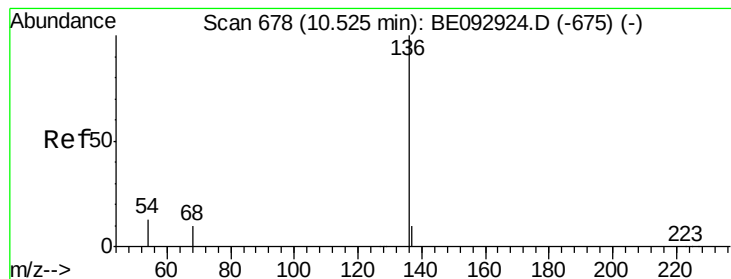


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 136 Resp: 3501

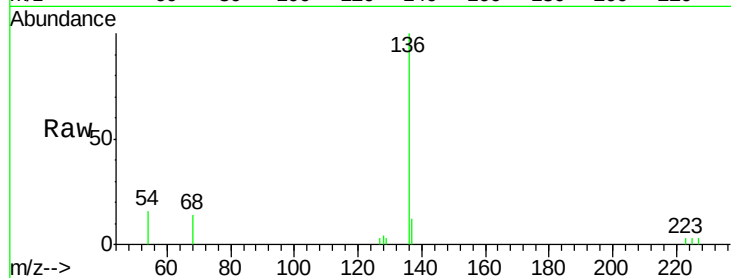
Ion Ratio Lower Upper

136 100

137 12.3 10.4 15.6

54 16.3 12.6 18.8

68 14.2 10.7 16.1

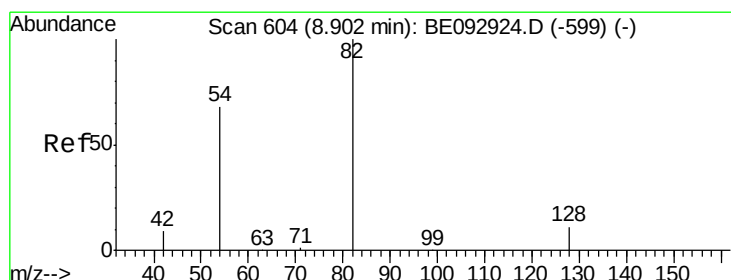
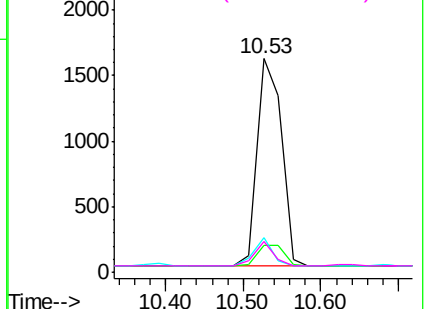
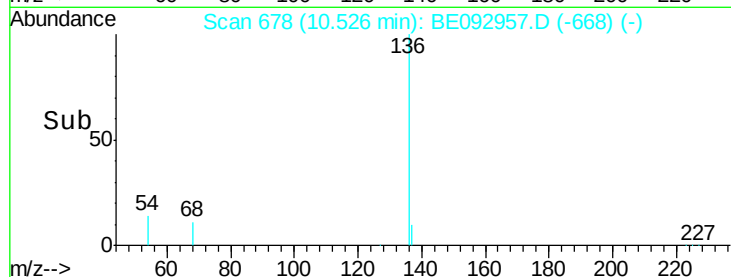


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.54 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

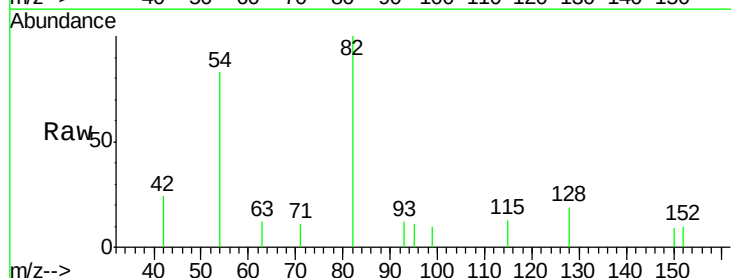
Tgt Ion: 82 Resp: 1273

Ion Ratio Lower Upper

82 100

128 19.2 35.3 52.9#

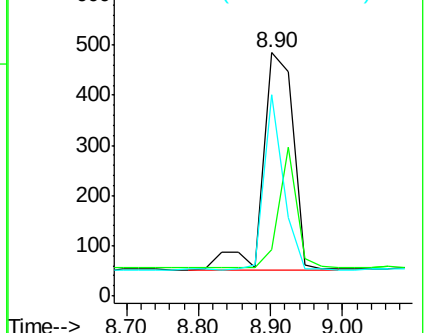
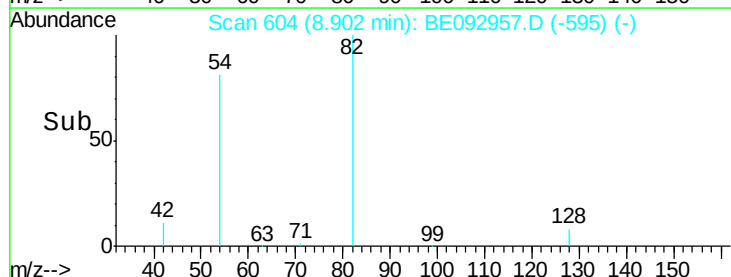
54 82.7 65.1 97.7

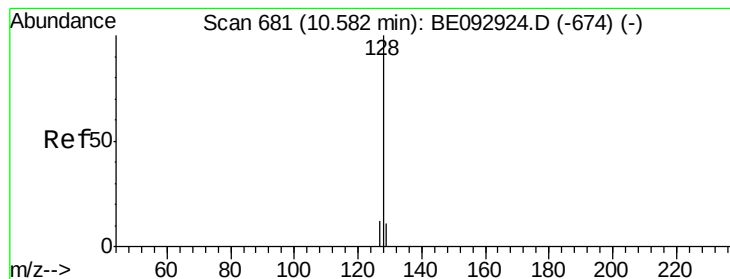


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.38 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

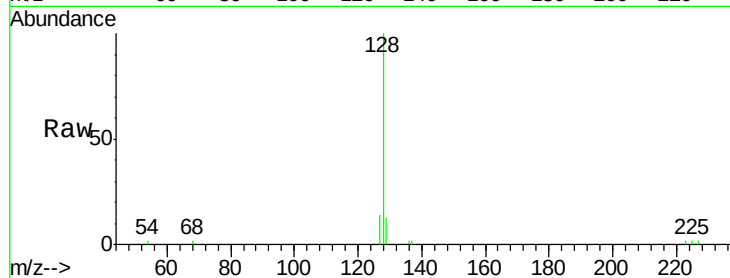
Tgt Ion:128 Resp: 3516

Ion Ratio Lower Upper

128 100

129 13.3 15.8 23.8#

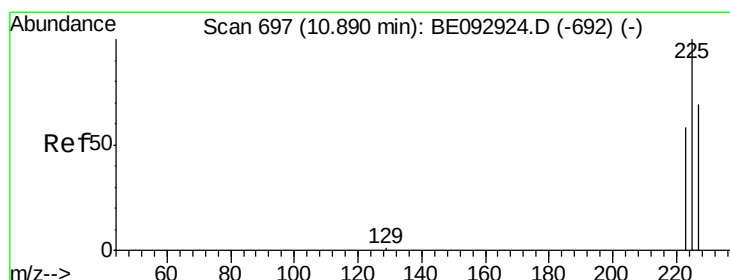
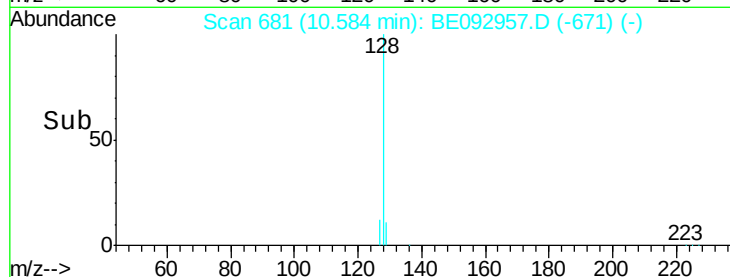
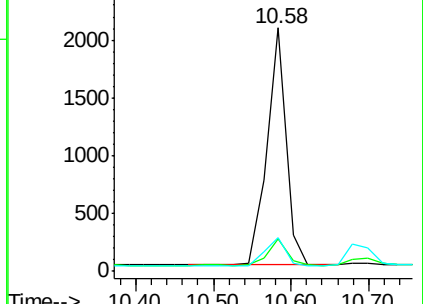
127 13.9 16.0 24.0#



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: 0.37 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

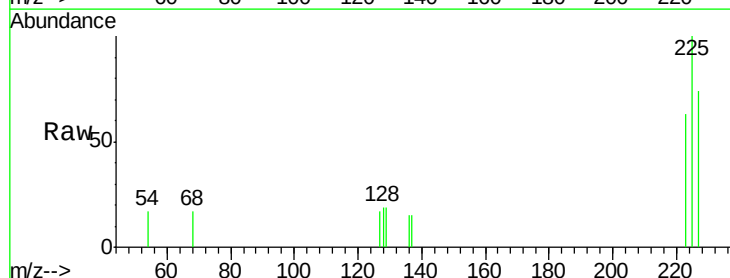
Tgt Ion:225 Resp: 468

Ion Ratio Lower Upper

225 100

223 64.5 55.4 83.2

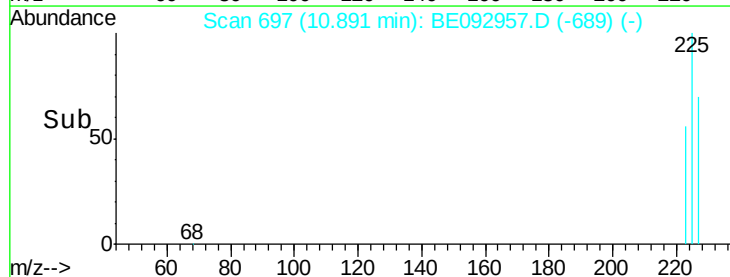
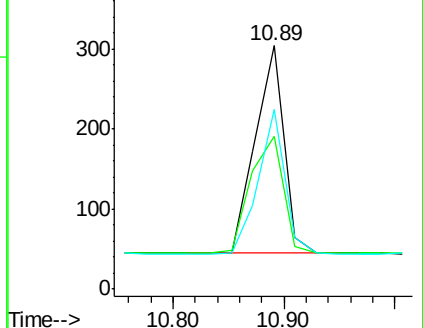
227 65.0 52.2 78.4

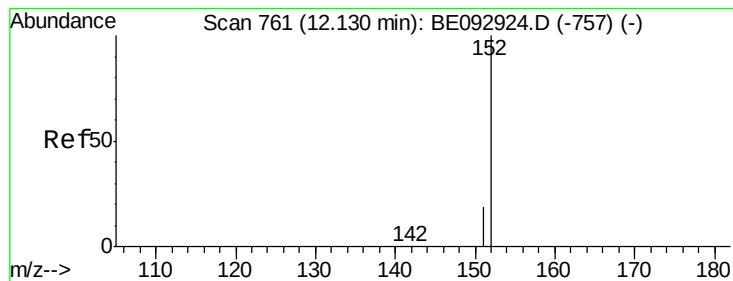


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.39 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

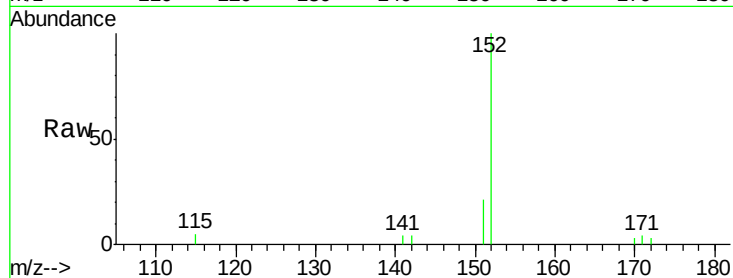
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2031

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.13

1500

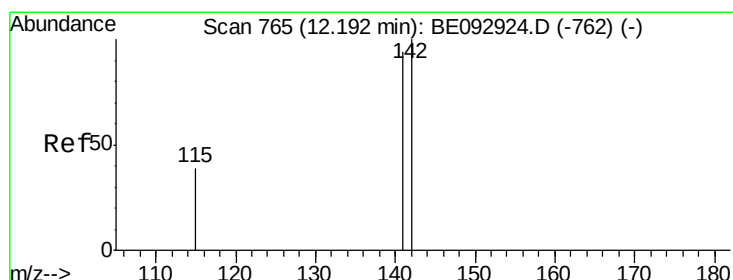
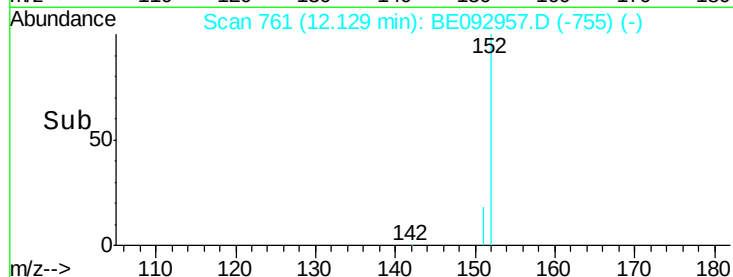
1000

500

0

Time-->

12.05 12.10 12.15 12.20



#12

2-Methylnaphthalene

Concen: 0.40 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

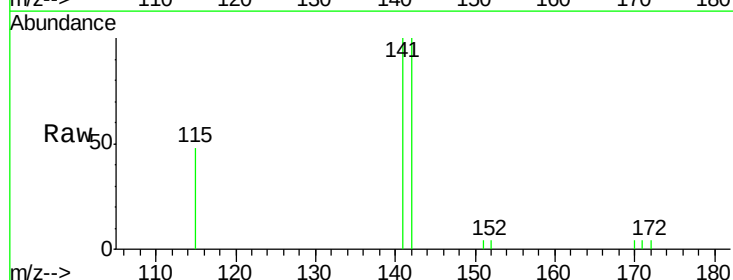
Tgt Ion:142 Resp: 2265

Ion Ratio Lower Upper

142 100

141 99.9 76.0 114.0

115 47.5 41.6 62.4



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

12.19

1500

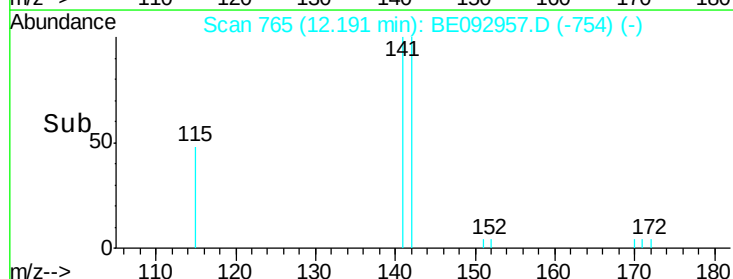
1000

500

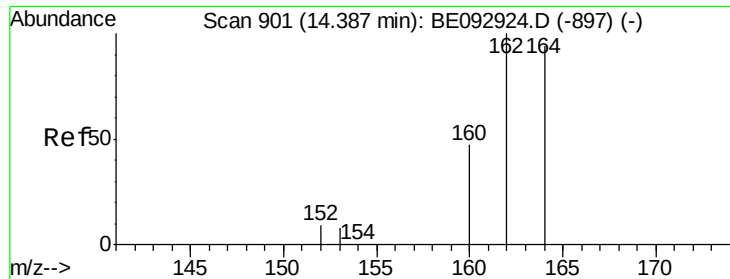
0

Time-->

12.10 12.20 12.30



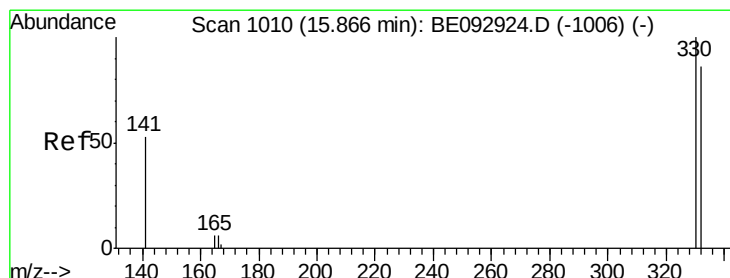
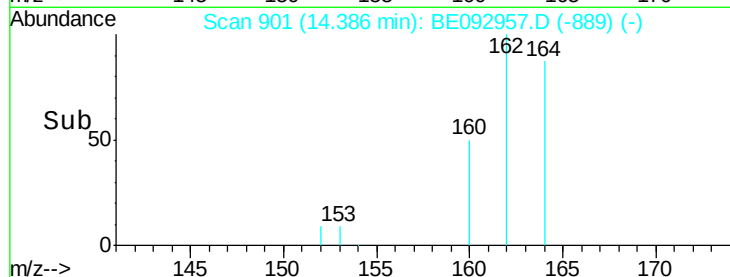
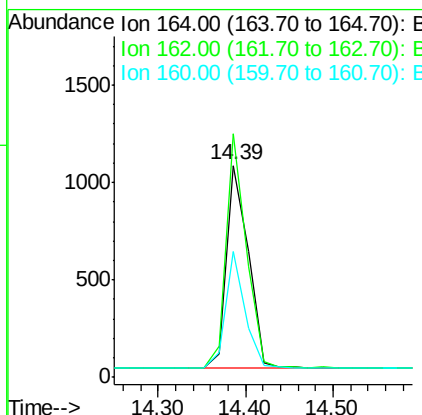
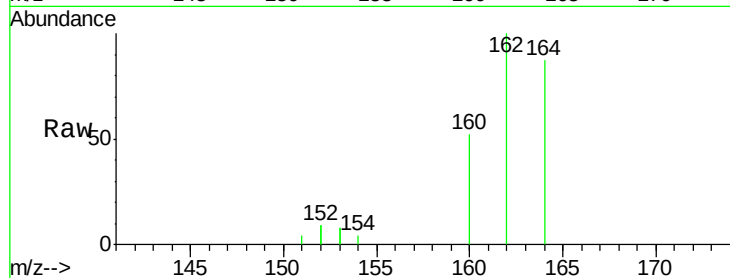




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.39 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

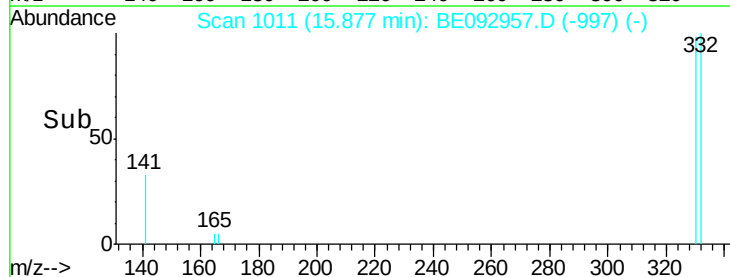
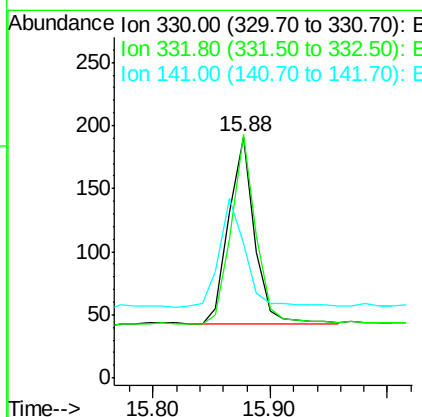
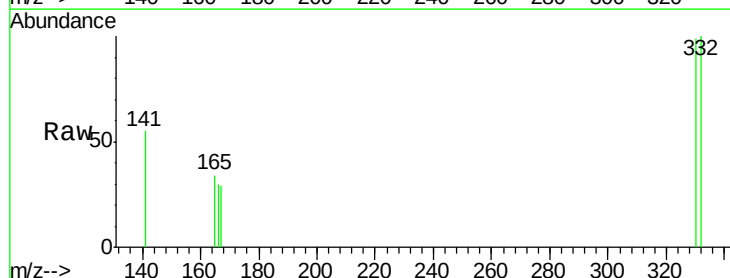
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

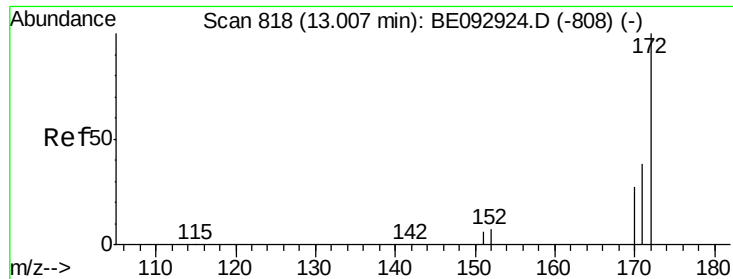
Tgt Ion:164 Resp: 1807  
Ion Ratio Lower Upper  
164 100  
162 114.9 86.6 130.0  
160 59.4 44.5 66.7



#14  
2,4,6-Tribromophenol  
Concen: 0.80 ng  
RT: 15.88 min Scan# 1011  
Delta R.T. 0.01 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

Tgt Ion:330 Resp: 227  
Ion Ratio Lower Upper  
330 100  
332 97.4 69.1 103.7  
141 59.0 54.6 81.8

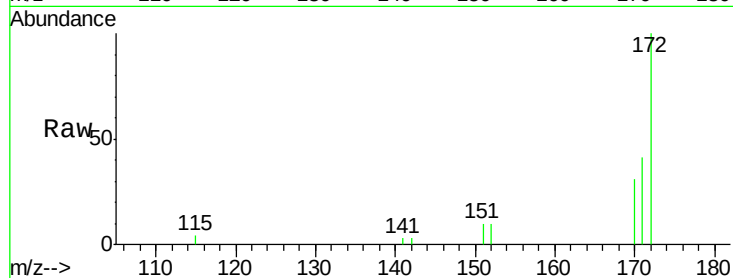




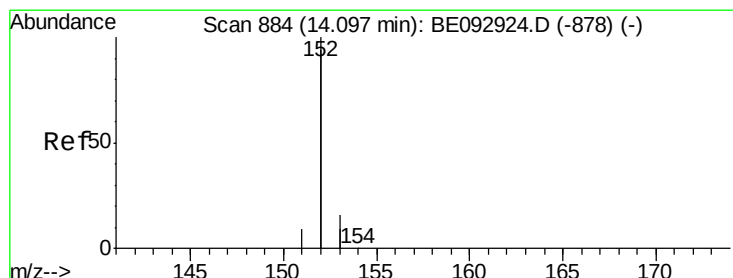
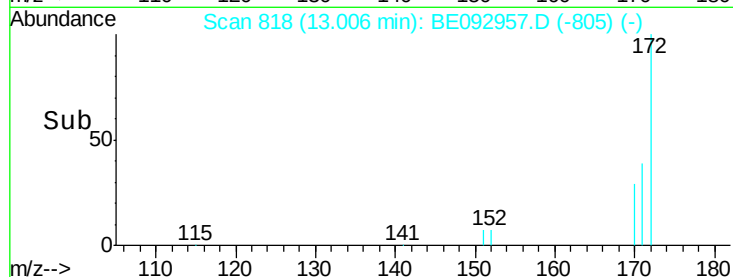
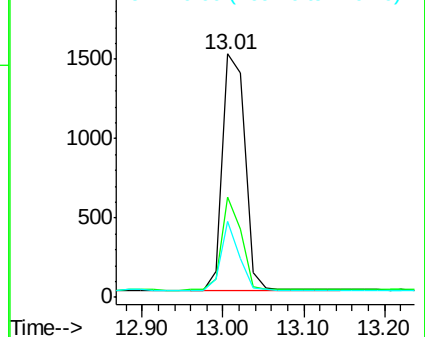
#15  
2-Fluorobiphenyl  
Concen: 0.35 ng  
RT: 13.01 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:172 Resp: 2882  
Ion Ratio Lower Upper  
172 100  
171 41.0 35.8 53.6  
170 31.2 28.5 42.7

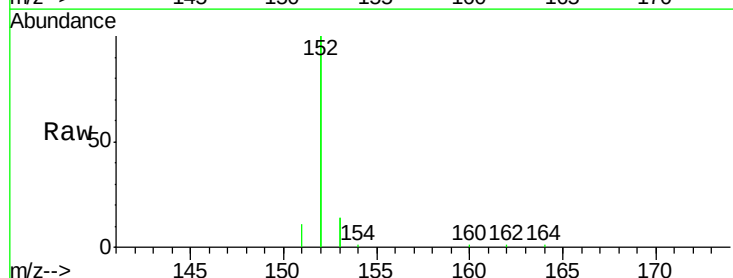


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

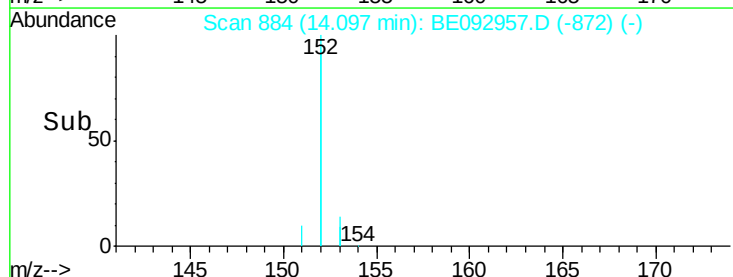
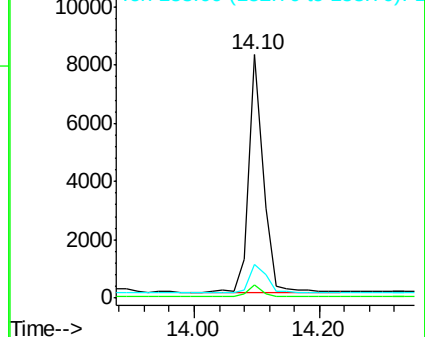


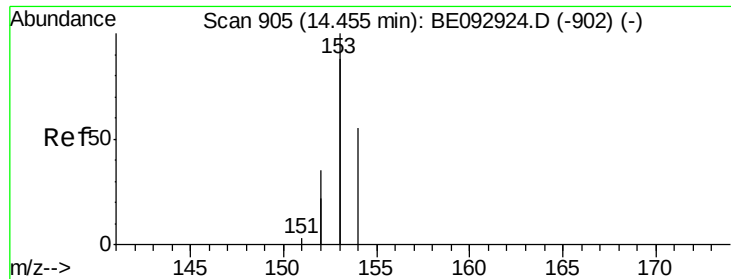
#16  
Acenaphthylene  
Concen: 0.46 ng  
RT: 14.10 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

Tgt Ion:152 Resp: 13083  
Ion Ratio Lower Upper  
152 100  
151 4.9 3.8 5.8  
153 13.5 10.0 15.0



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

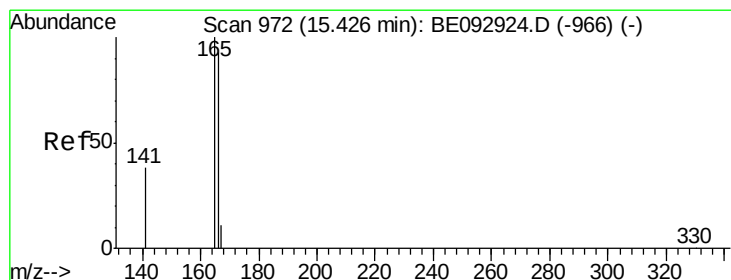
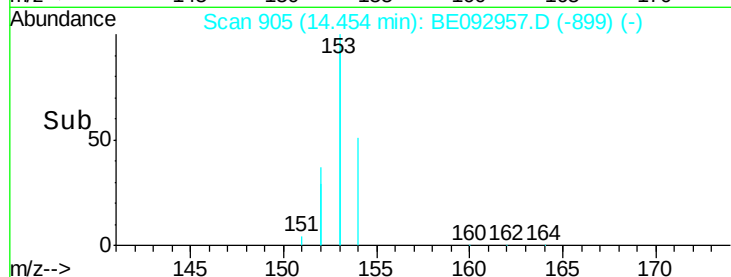
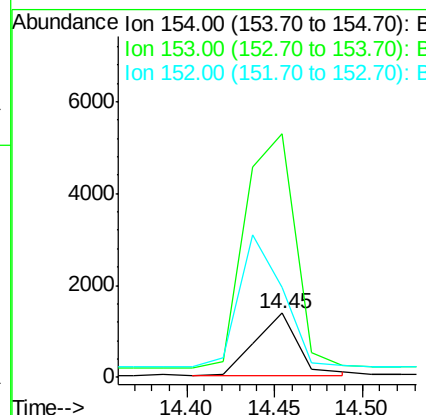
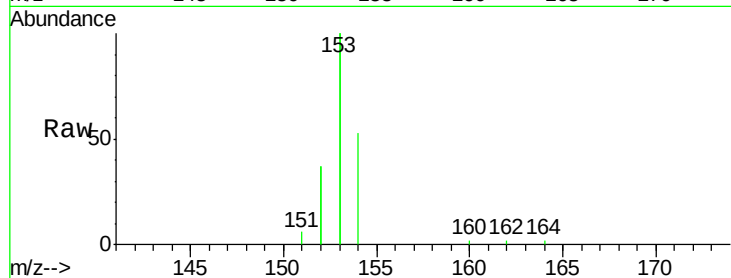




#17  
Acenaphthene  
Concen: 0.40 ng  
RT: 14.45 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

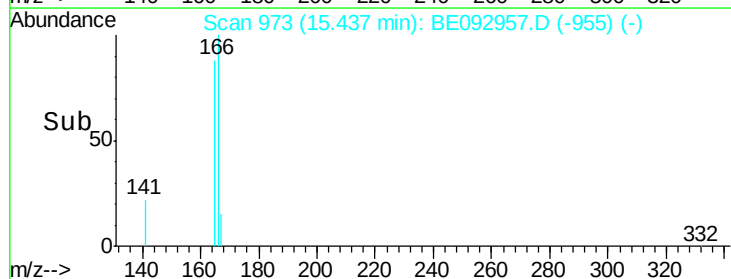
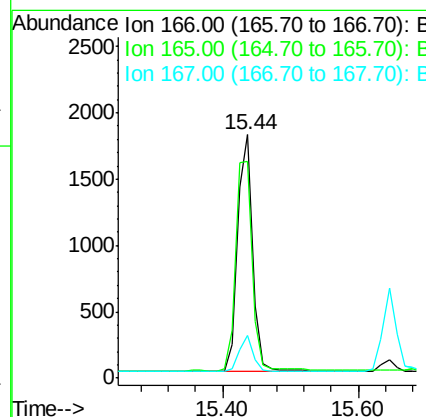
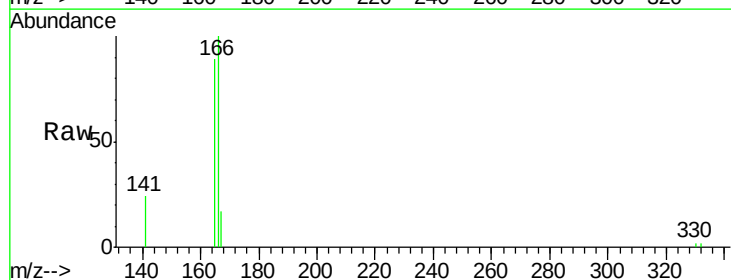
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

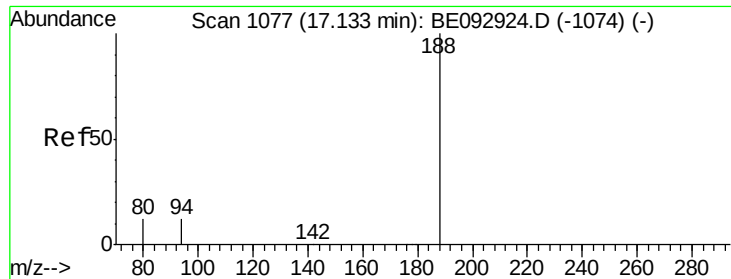
Tgt Ion:154 Resp: 2280  
Ion Ratio Lower Upper  
154 100  
153 446.8 355.6 533.4  
152 223.0 177.8 266.8



#18  
Fluorene  
Concen: 0.40 ng  
RT: 15.44 min Scan# 973  
Delta R.T. 0.01 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

Tgt Ion:166 Resp: 2809  
Ion Ratio Lower Upper  
166 100  
165 98.6 80.7 121.1  
167 14.1 11.3 16.9

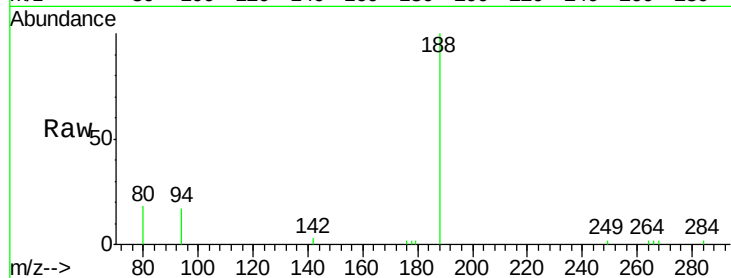




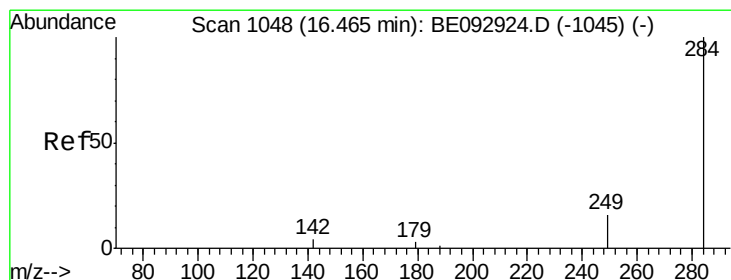
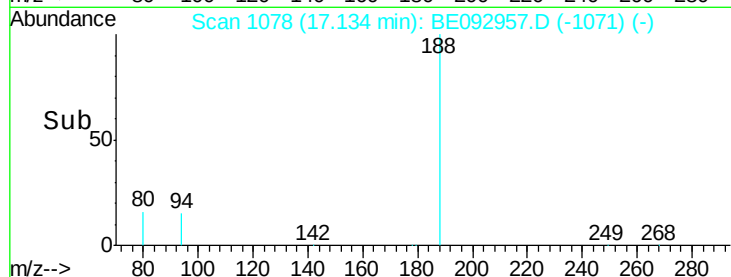
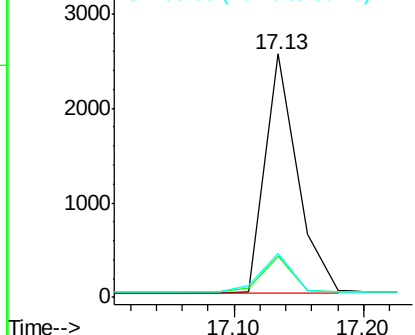
#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.13 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:188 Resp: 4422  
Ion Ratio Lower Upper  
188 100  
94 16.9 10.2 15.4#  
80 17.9 10.6 15.8#

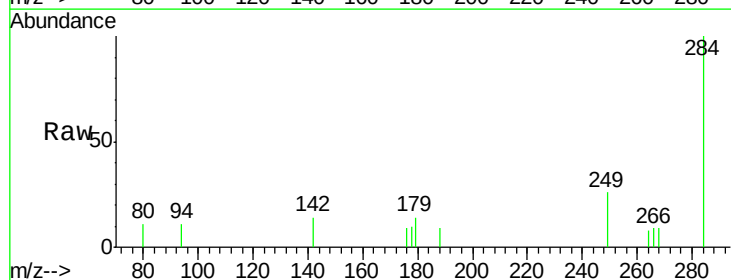


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

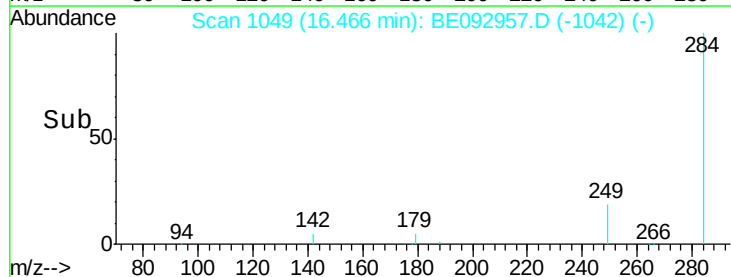
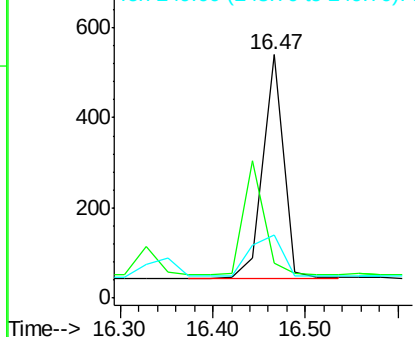


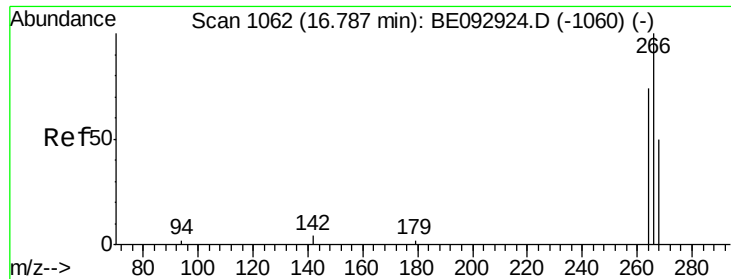
#20  
Hexachlorobenzene  
Concen: 0.41 ng  
RT: 16.47 min Scan# 1049  
Delta R.T. 0.00 min  
Lab File: BE092957.D  
Acq: 6 May 2017 8:12

Tgt Ion:284 Resp: 771  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 29.6 0.0 0.0#



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

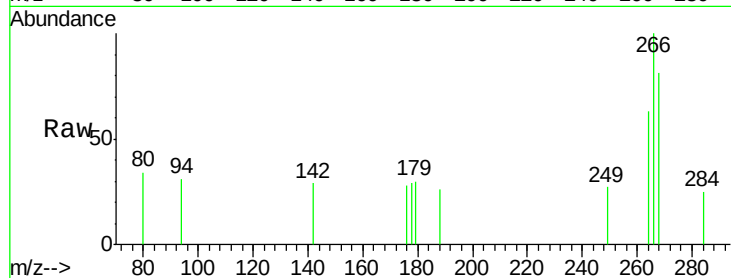




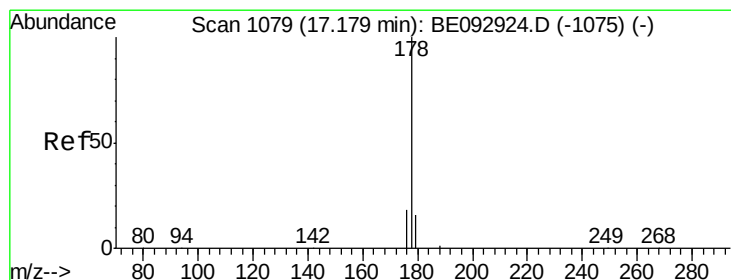
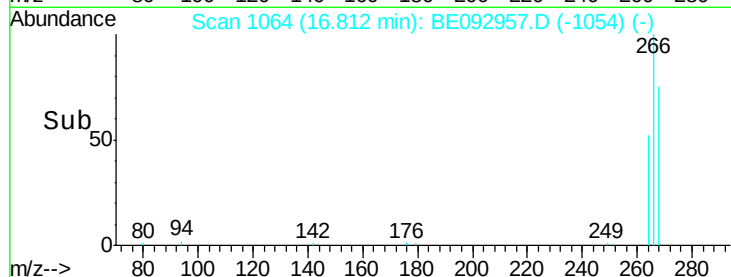
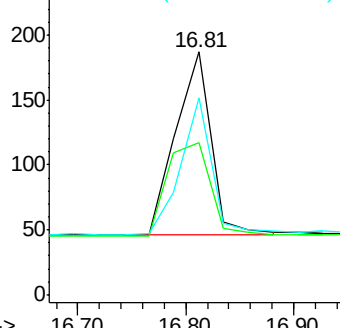
#21  
 Pentachlorophenol  
 Concen: 0.82 ng  
 RT: 16.81 min Scan# 1064  
 Delta R.T. 0.02 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Tgt Ion: 266 Resp: 319  
 Ion Ratio Lower Upper  
 266 100  
 264 62.6 75.4 113.2#  
 268 81.3 75.4 113.2

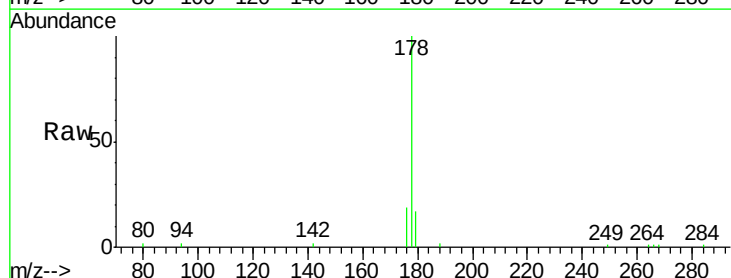


Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

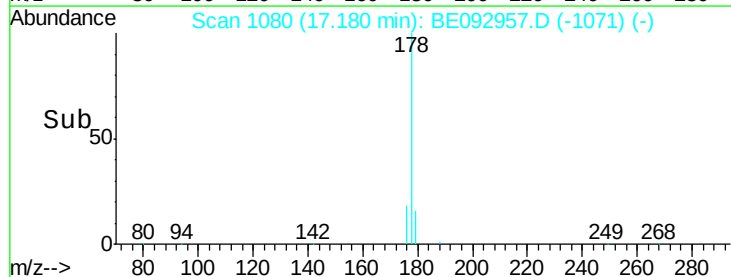
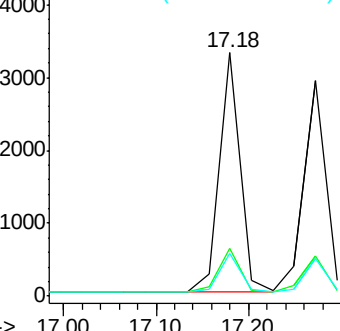


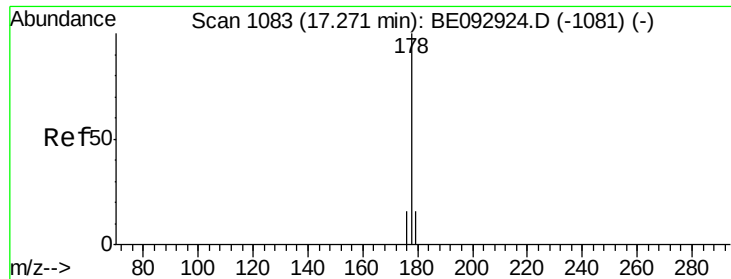
#22  
 Phenanthrene  
 Concen: 0.41 ng  
 RT: 17.18 min Scan# 1080  
 Delta R.T. 0.00 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

Tgt Ion: 178 Resp: 5132  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 14.2 21.4  
 179 15.8 13.6 20.4



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: 0.50 ng

RT: 17.27 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

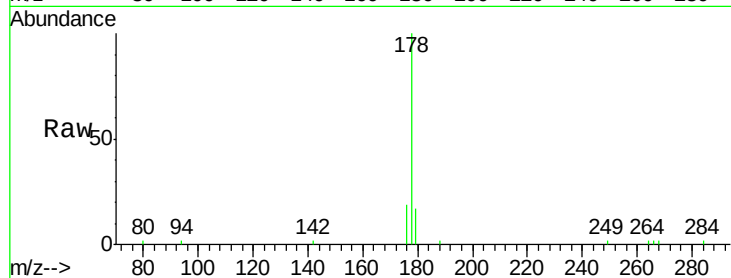
Tgt Ion:178 Resp: 4761

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

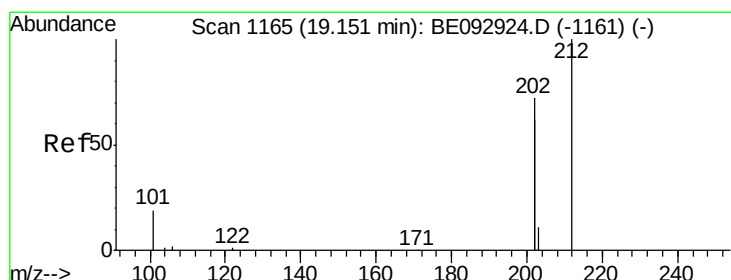
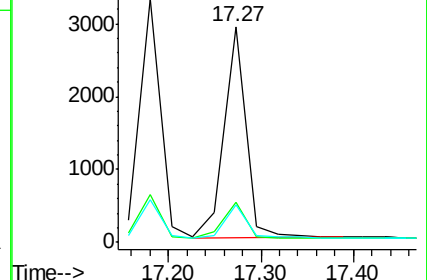
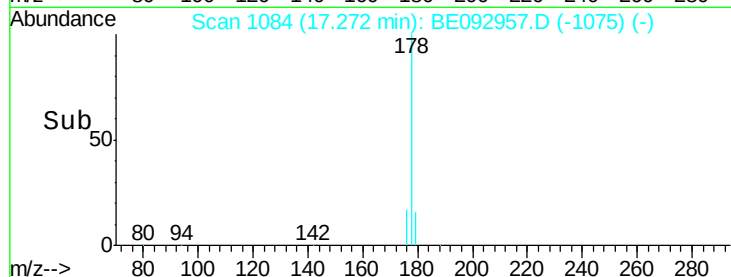
179 15.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene-d10

Concen: 0.50 ng

RT: 19.15 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

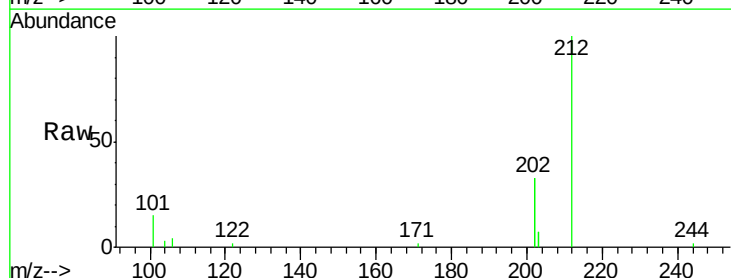
Tgt Ion:212 Resp: 5108

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

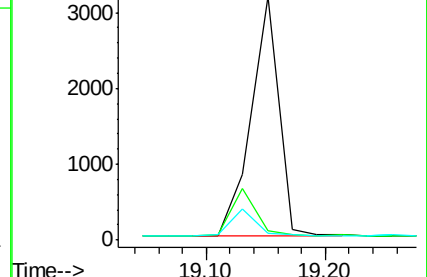
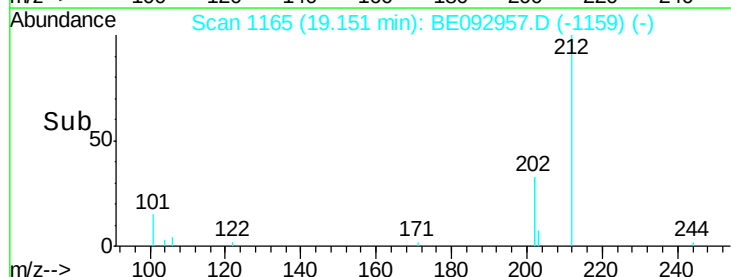
104 0.0 0.0 0.0

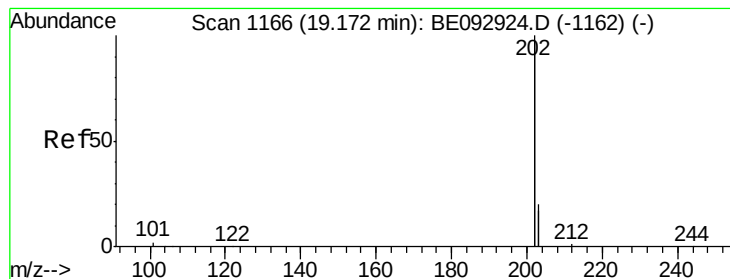


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.48 ng

RT: 19.17 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

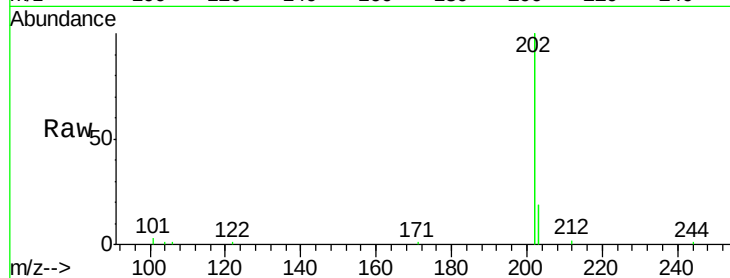
Tgt Ion:202 Resp: 25640

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

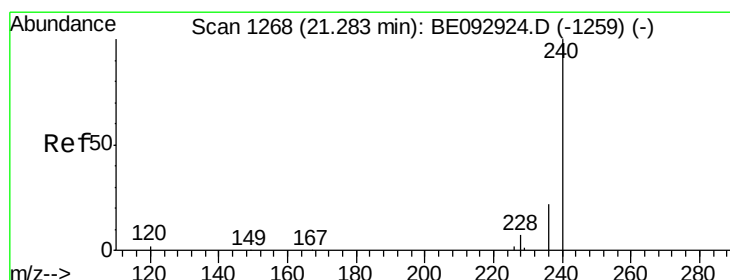
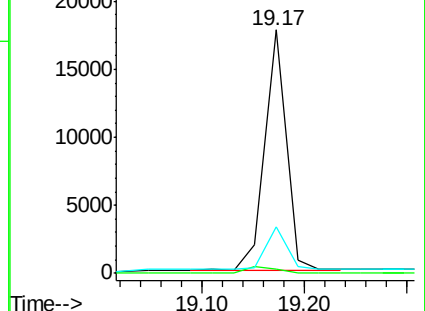
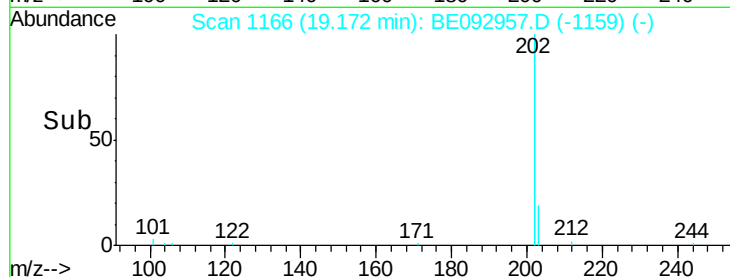
203 18.0 15.3 22.9



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



#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

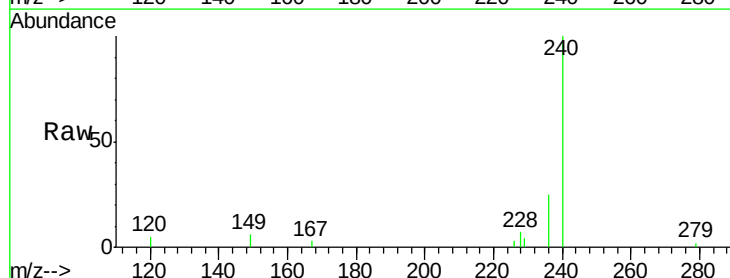
Tgt Ion:240 Resp: 5448

Ion Ratio Lower Upper

240 100

120 5.0 4.6 6.8

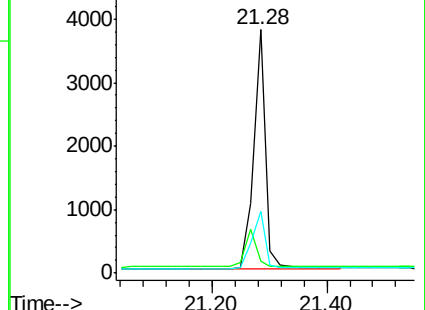
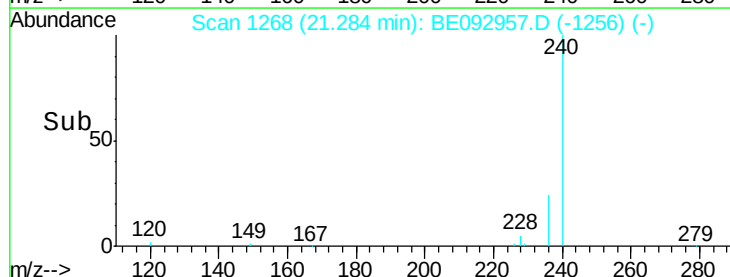
236 25.3 19.8 29.8

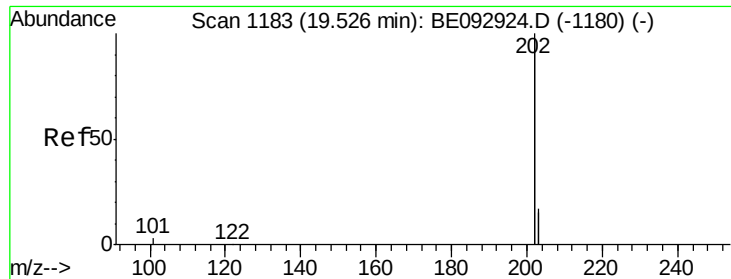


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

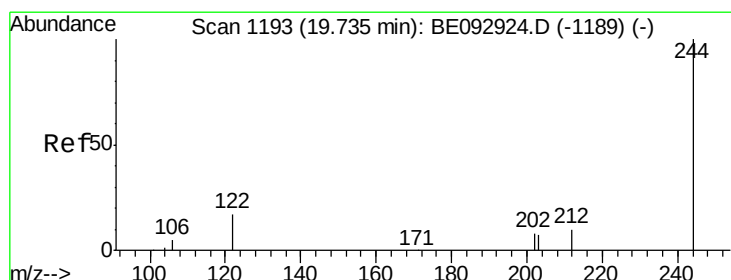
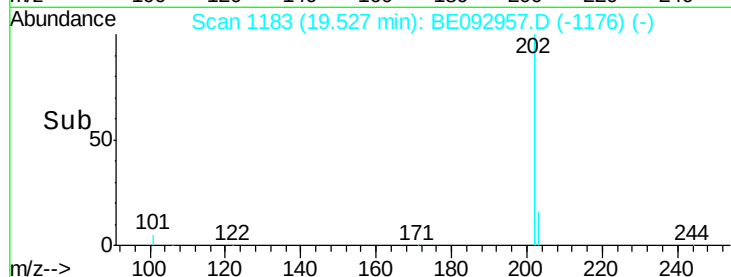
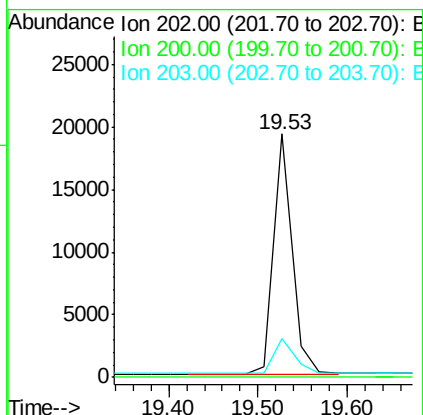
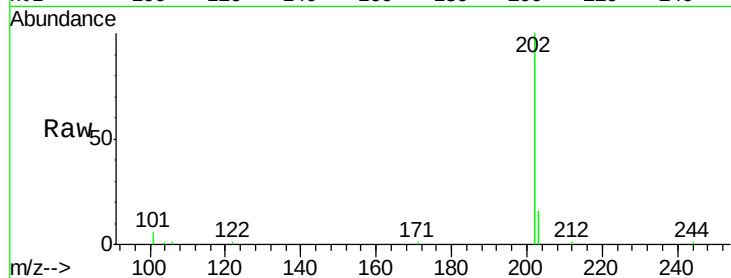




#27  
 Pyrene  
 Concen: 0.40 ng  
 RT: 19.53 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

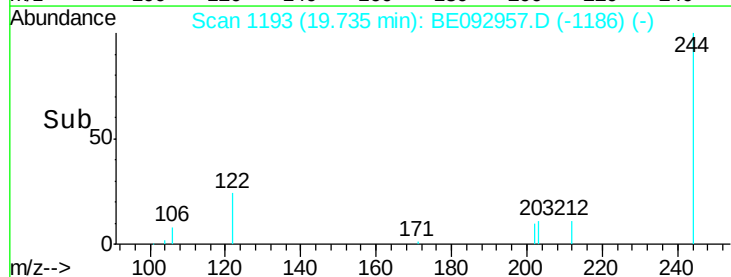
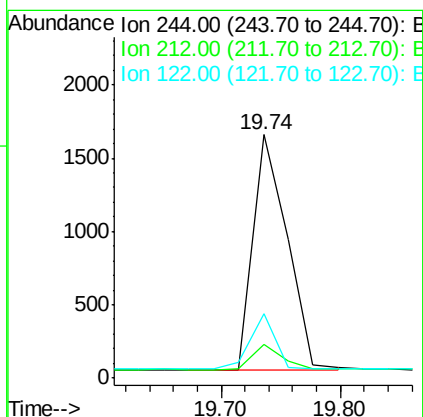
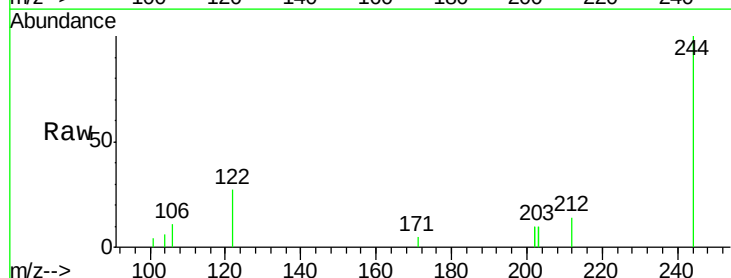
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Tgt Ion: 202 Resp: 27811  
 Ion Ratio Lower Upper  
 202 100  
 200 0.0 0.0 0.0  
 203 16.9 13.5 20.3

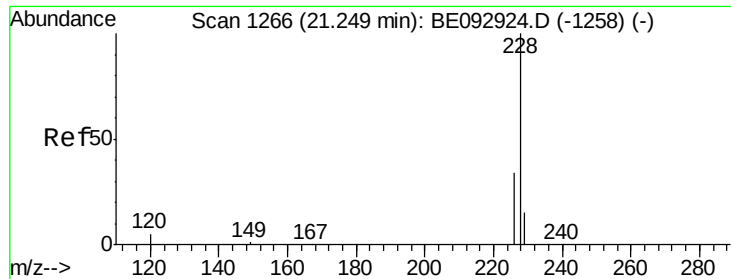


#28  
 Terphenyl-d14  
 Concen: 0.34 ng  
 RT: 19.74 min Scan# 1193  
 Delta R.T. 0.00 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

Tgt Ion: 244 Resp: 3204  
 Ion Ratio Lower Upper  
 244 100  
 212 13.8 18.4 27.6#  
 122 26.6 23.3 34.9







#29

Benzo(a)anthracene

Concen: 0.46 ng

RT: 21.27 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

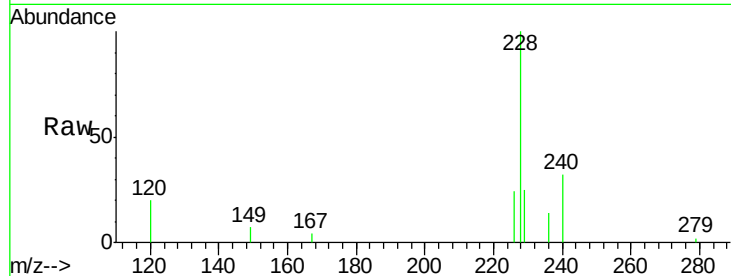
Tgt Ion:228 Resp: 5946

Ion Ratio Lower Upper

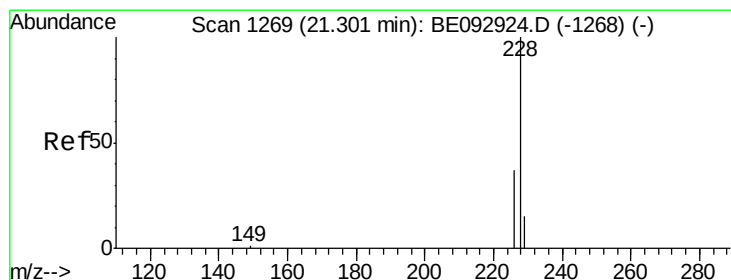
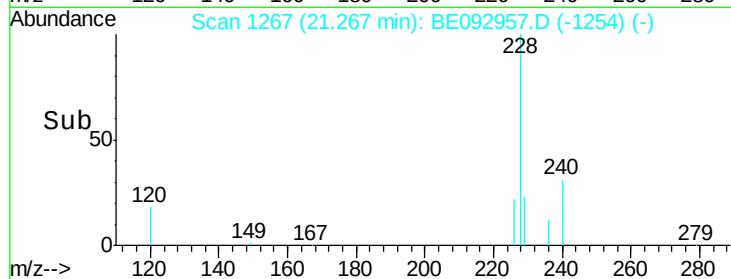
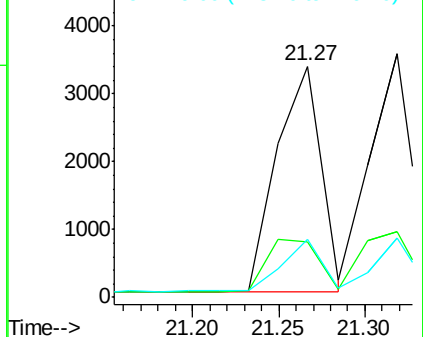
228 100

226 23.9 32.0 48.0#

229 24.9 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#30

Chrysene

Concen: 0.36 ng

RT: 21.32 min Scan# 1270

Delta R.T. 0.02 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

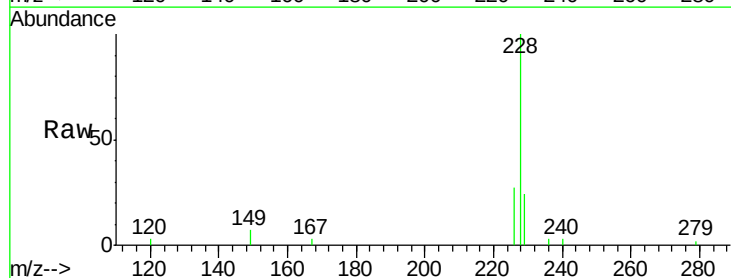
Tgt Ion:228 Resp: 5915

Ion Ratio Lower Upper

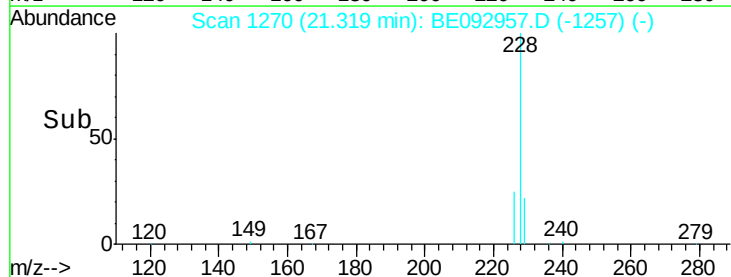
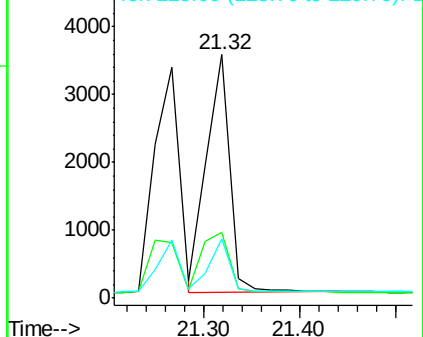
228 100

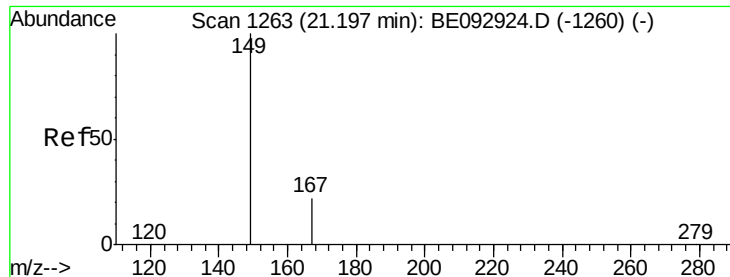
226 26.9 34.2 51.2#

229 24.4 18.6 28.0



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

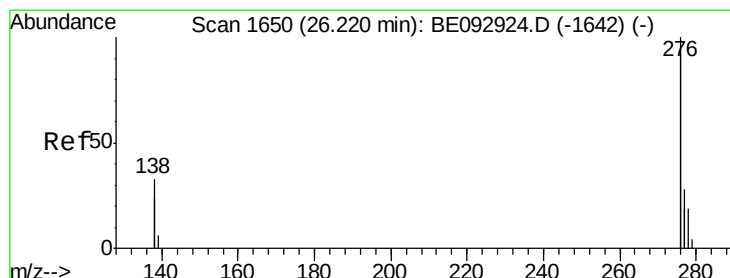
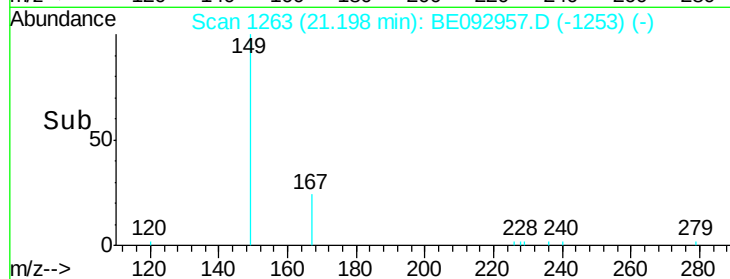
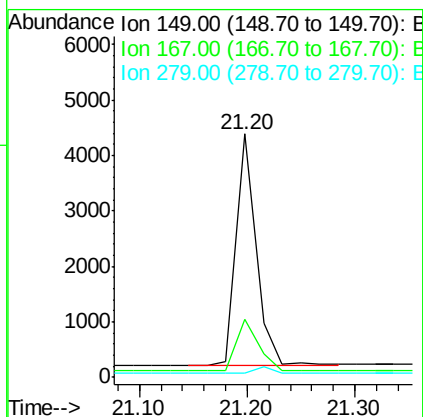
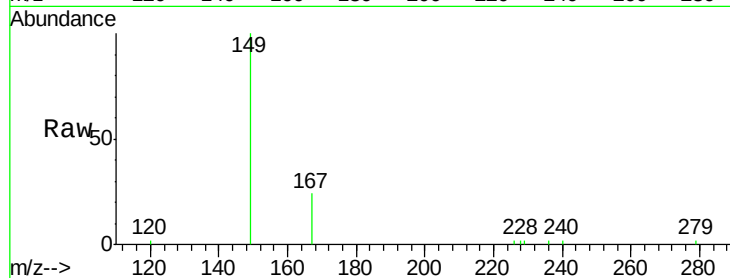




#31  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.52 ng  
 RT: 21.20 min Scan# 1263  
 Delta R.T. 0.00 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

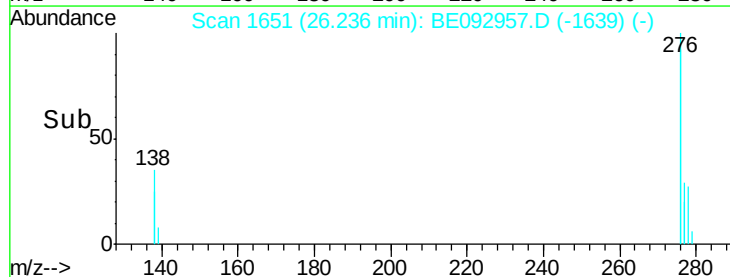
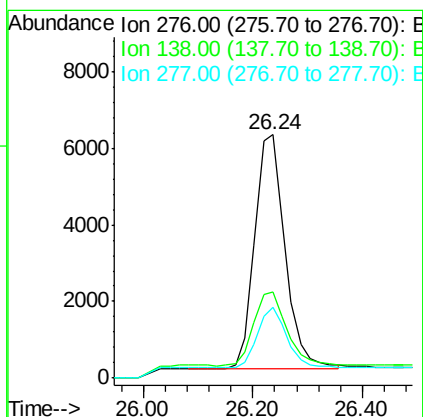
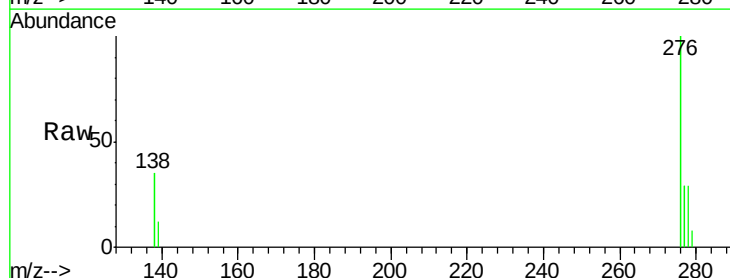
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDC00.4EC

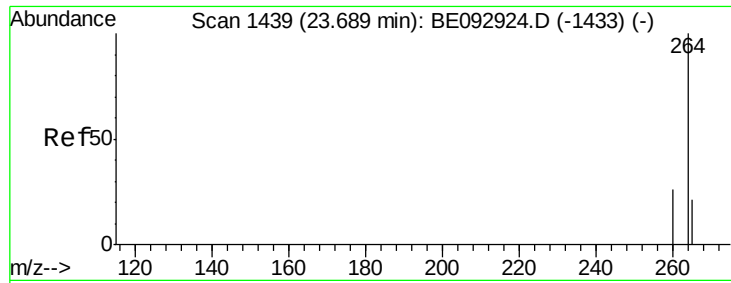
Tgt Ion: 149 Resp: 5316  
 Ion Ratio Lower Upper  
 149 100  
 167 24.7 20.9 31.3  
 279 2.7 0.0 0.0#



#32  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.40 ng  
 RT: 26.24 min Scan# 1651  
 Delta R.T. 0.02 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

Tgt Ion: 276 Resp: 23644  
 Ion Ratio Lower Upper  
 276 100  
 138 34.0 25.8 38.6  
 277 24.9 20.2 30.4

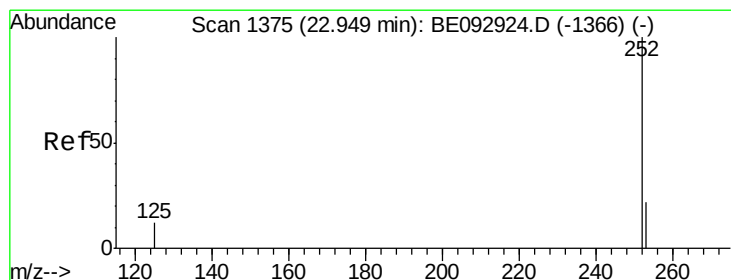
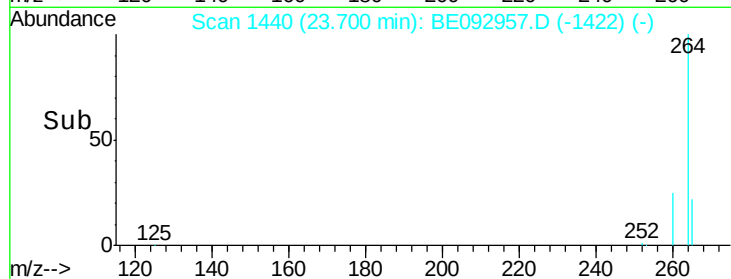
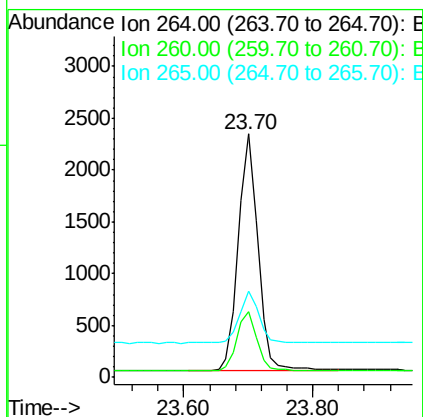
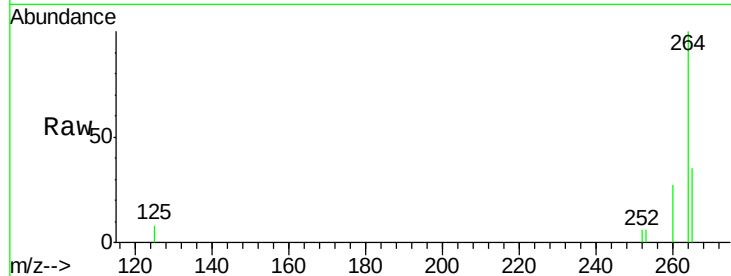




#33  
**Perylene-d12**  
 Concen: 0.40 ng  
 RT: 23.70 min Scan# 1440  
 Delta R.T. 0.01 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

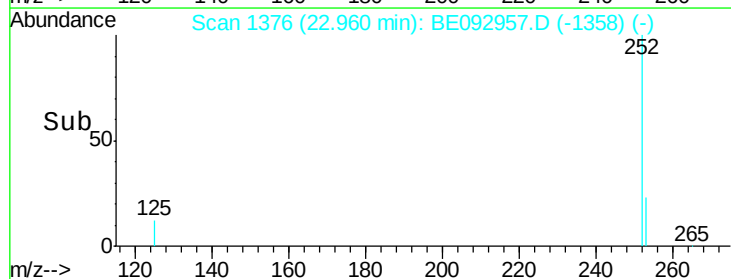
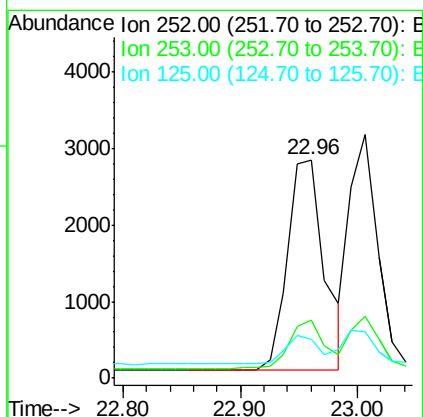
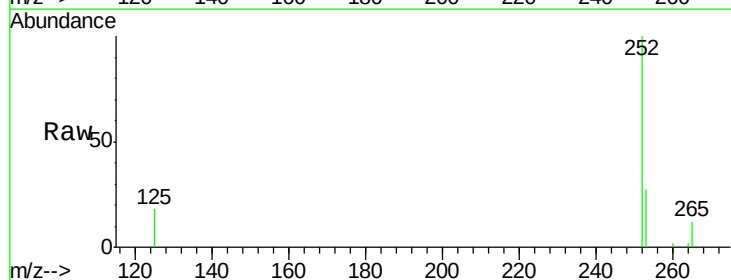
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

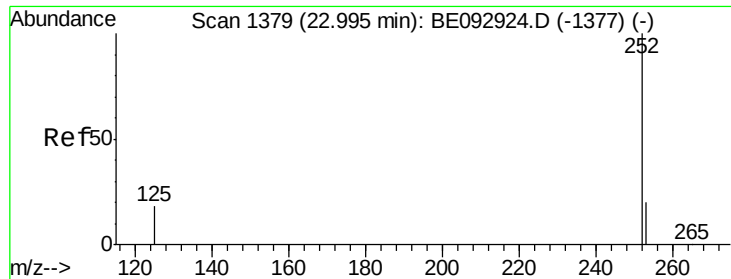
Tgt Ion: 264 Resp: 4756  
 Ion Ratio Lower Upper  
 264 100  
 260 26.9 23.5 35.3  
 265 35.4 27.2 40.8



#34  
**Benzo(b)fluoranthene**  
 Concen: 0.39 ng  
 RT: 22.96 min Scan# 1376  
 Delta R.T. 0.01 min  
 Lab File: BE092957.D  
 Acq: 6 May 2017 8:12

Tgt Ion: 252 Resp: 5998  
 Ion Ratio Lower Upper  
 252 100  
 253 26.7 24.7 37.1  
 125 17.8 20.3 30.5#





#35

Benzo(k)fluoranthene

Concen: 0.34 ng

RT: 23.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

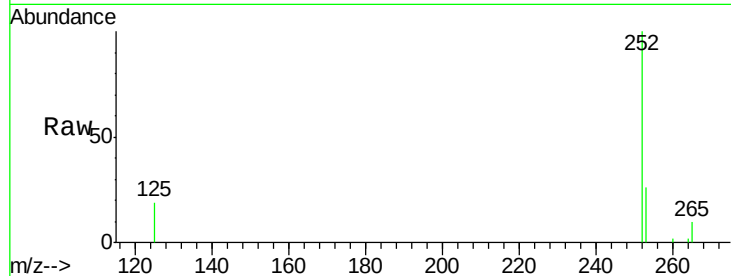
Tgt Ion:252 Resp: 5250

Ion Ratio Lower Upper

252 100

253 25.6 25.8 38.8#

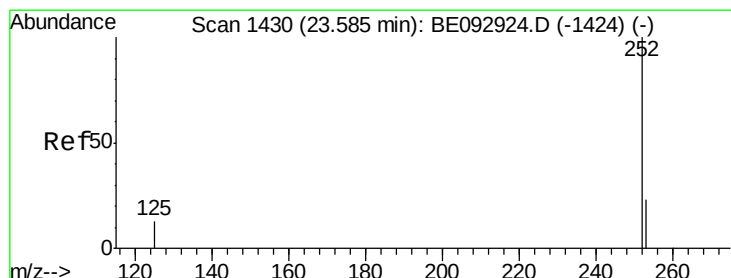
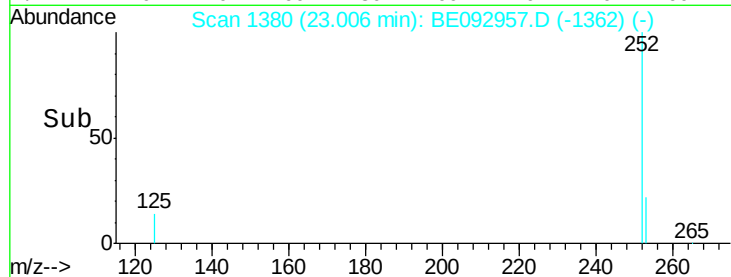
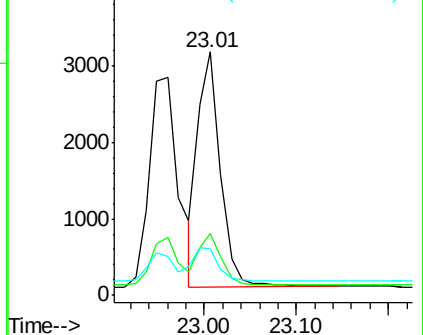
125 19.1 22.9 34.3#



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

Benzo(a)pyrene

Concen: 0.41 ng

RT: 23.58 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

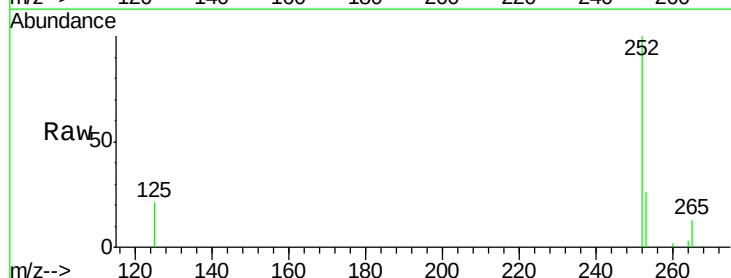
Tgt Ion:252 Resp: 5272

Ion Ratio Lower Upper

252 100

253 25.7 31.3 46.9#

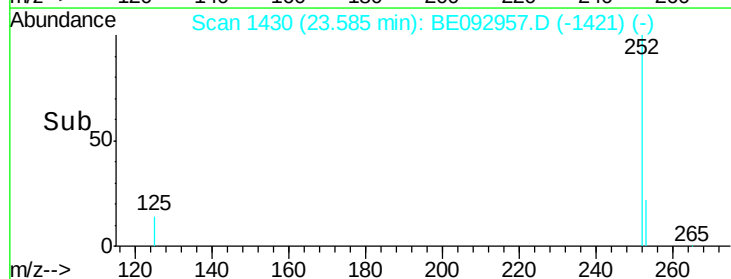
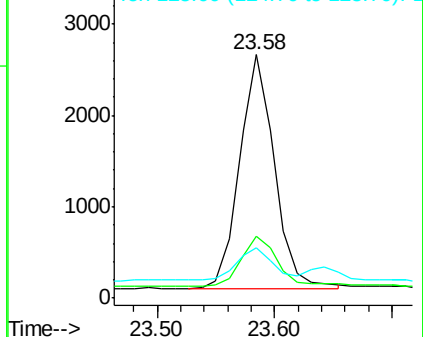
125 20.7 26.4 39.6#

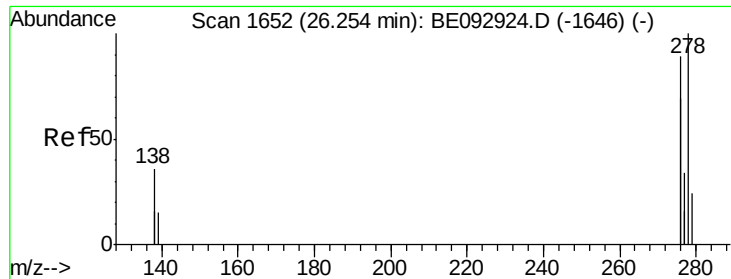


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Dibenzo(a,h)anthracene

Concen: 0.35 ng

RT: 26.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

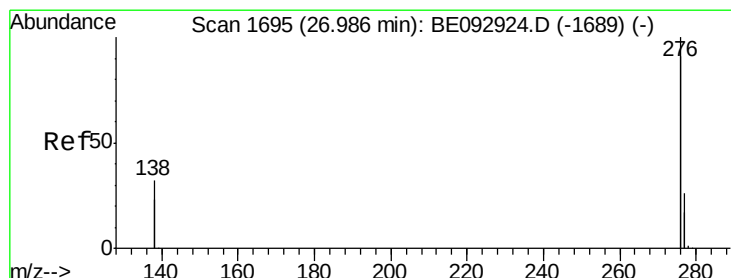
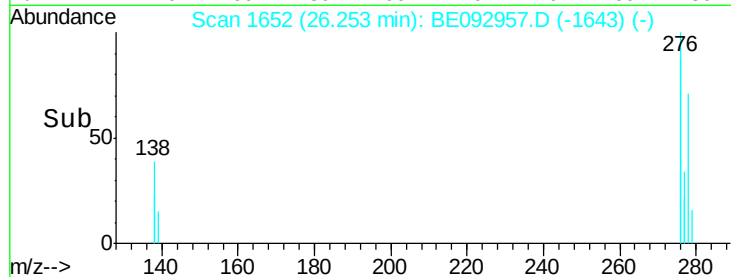
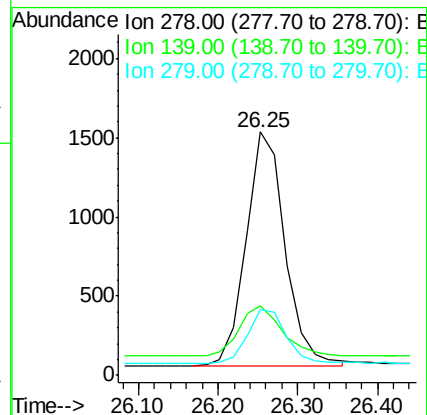
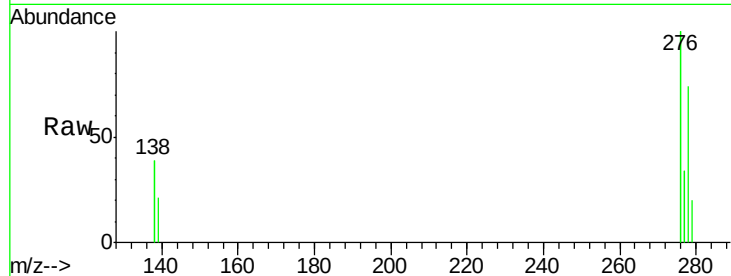
Tgt Ion: 278 Resp: 5017

Ion Ratio Lower Upper

278 100

139 28.8 27.4 41.2

279 26.9 33.3 49.9#



#38

Benzo(g,h,i)perylene

Concen: 0.35 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.02 min

Lab File: BE092957.D

Acq: 6 May 2017 8:12

Tgt Ion: 276 Resp: 21098

Ion Ratio Lower Upper

276 100

277 25.3 29.9 44.9#

138 33.2 34.6 51.8#

