

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE051017\  
 Data File : BE092975.D  
 Acq On : 10 May 2017 9:46  
 Operator : SJ/MA  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: May 10 11:35:31 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 10 03:43:15 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 781      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3092     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1504     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 3837     | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 4004     | 0.40 | ng    | 0.00     |
| 33) Perylene-d12          | 23.69 | 264  | 3662     | 0.40 | ng    | -0.01    |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.35  | 112 | 812  | 0.37 | ng | 0.00 |
| 5) Phenol-d6                | 6.94  | 99  | 992  | 0.36 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.90  | 82  | 911  | 0.38 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152 | 1649 | 0.38 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 132  | 0.34 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 2219 | 0.39 | ng | 0.00 |
| 24) Fluoranthene-d10        | 19.15 | 212 | 3409 | 0.34 | ng | 0.00 |
| 28) Terphenyl-d14           | 19.74 | 244 | 2325 | 0.38 | ng | 0.00 |

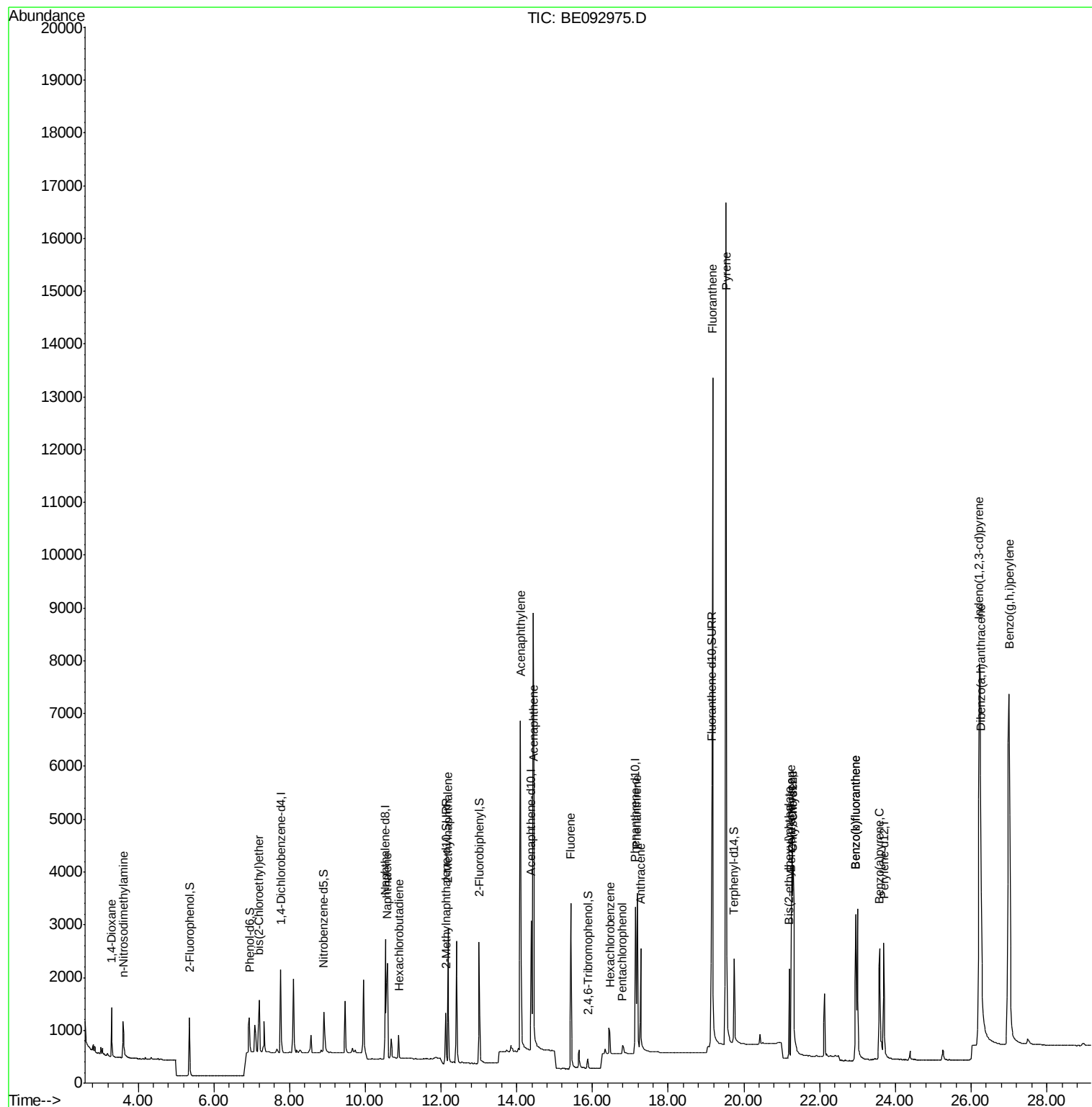
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 604   | 0.37   | ng | 99    |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 521   | 0.39   | ng | 98    |
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93  | 1002  | 0.38   | ng | # 98  |
| 9) Naphthalene                 | 10.58 | 128 | 3175  | 0.38   | ng | 99    |
| 10) Hexachlorobutadiene        | 10.89 | 225 | 446   | 0.38   | ng | 97    |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 1823  | 0.38   | ng | 100   |
| 16) Acenaphthylene             | 14.10 | 152 | 9149  | 0.36   | ng | 100   |
| 17) Acenaphthene               | 14.45 | 154 | 1805  | 0.38   | ng | 98    |
| 18) Fluorene                   | 15.42 | 166 | 2168  | 0.38   | ng | 99    |
| 20) Hexachlorobenzene          | 16.47 | 284 | 610   | 0.34   | ng | # 100 |
| 21) Pentachlorophenol          | 16.79 | 266 | 188   | 0.45   | ng | # 82  |
| 22) Phenanthrene               | 17.18 | 178 | 3927  | 0.36   | ng | 99    |
| 23) Anthracene                 | 17.27 | 178 | 2980  | 0.34   | ng | 99    |
| 25) Fluoranthene               | 19.17 | 202 | 17715 | 0.34   | ng | # 99  |
| 27) Pyrene                     | 19.53 | 202 | 19913 | 0.37   | ng | # 99  |
| 29) Benzo(a)anthracene         | 21.25 | 228 | 3721  | 0.39   | ng | # 84  |
| 30) Chrysene                   | 21.30 | 228 | 4784  | 0.37   | ng | # 85  |
| 31) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 1619  | 0.44   | ng | 100   |
| 32) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 17883 | 0.40   | ng | 99    |
| 34) Benzo(b)fluoranthene       | 22.95 | 252 | 3937  | 0.35   | ng | 99    |
| 35) Benzo(k)fluoranthene       | 22.95 | 252 | 3937  | 0.33   | ng | 97    |
| 36) Benzo(a)pyrene             | 23.58 | 252 | 3798  | 0.36   | ng | 99    |
| 37) Dibenzo(a,h)anthracene     | 26.25 | 278 | 3748  | 0.36   | ng | 98    |
| 38) Benzo(g,h,i)perylene       | 27.00 | 276 | 16313 | 0.36   | ng | 98    |

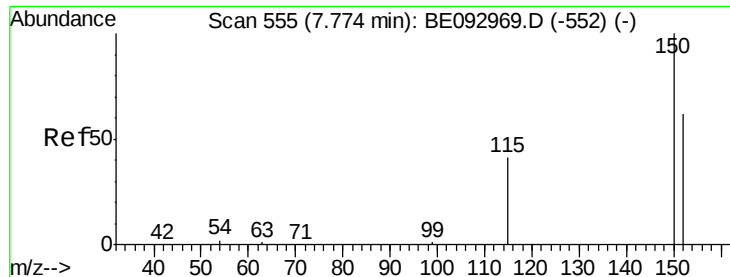
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 10 03:43:15 2017  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

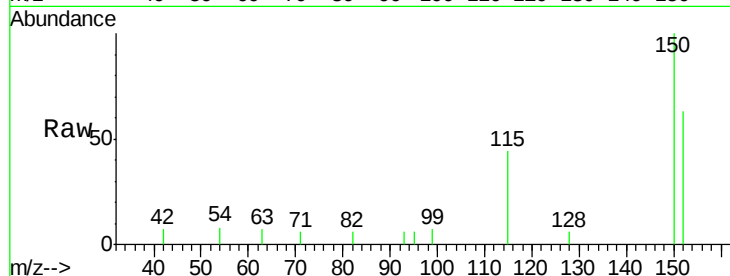
Tgt Ion: 152 Resp: 781

Ion Ratio Lower Upper

152 100

150 157.9 125.1 187.7

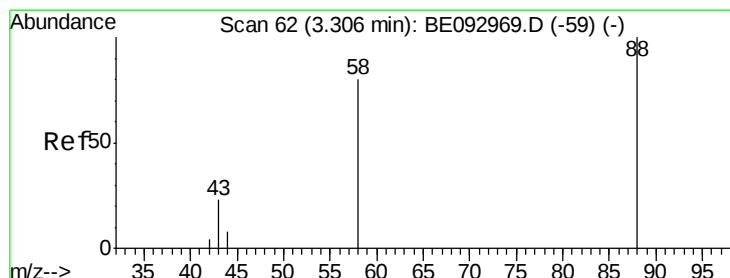
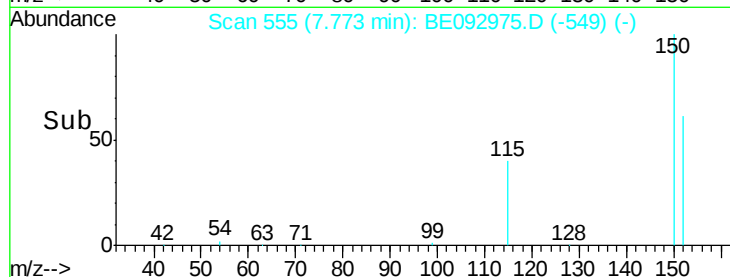
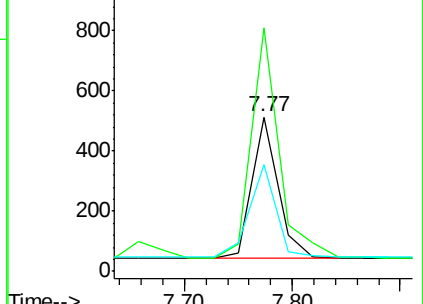
115 69.6 55.7 83.5



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: 0.37 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

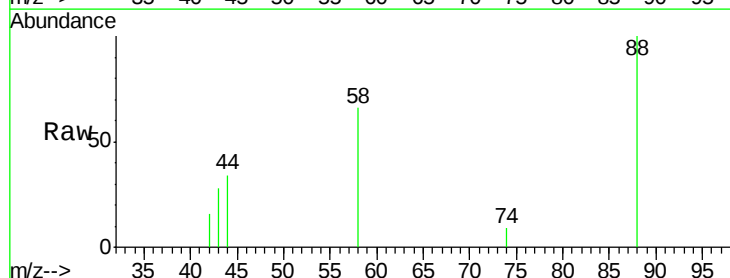
Tgt Ion: 88 Resp: 604

Ion Ratio Lower Upper

88 100

58 78.0 62.2 93.4

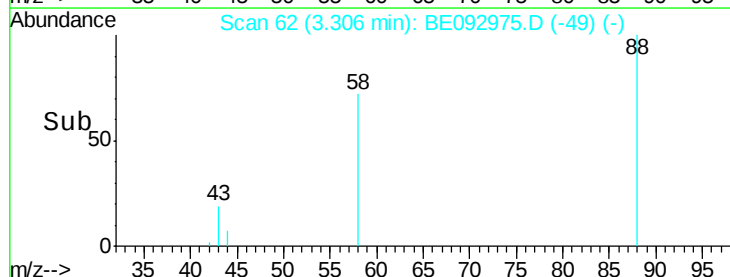
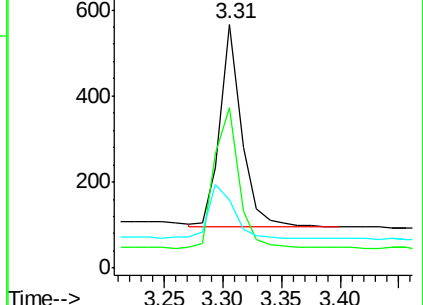
43 31.3 23.2 34.8

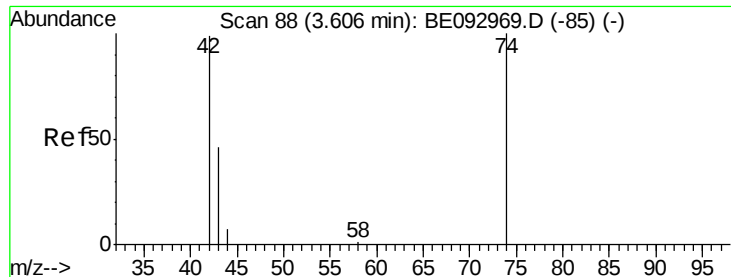


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

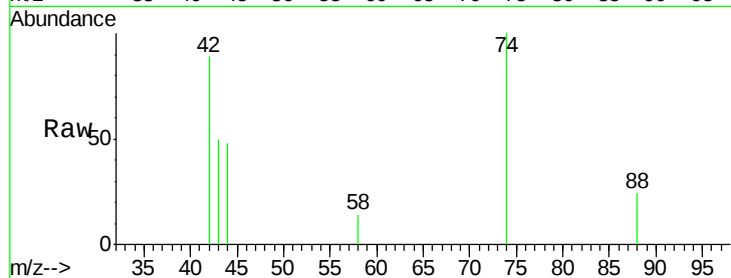
Tgt Ion: 42 Resp: 521

Ion Ratio Lower Upper

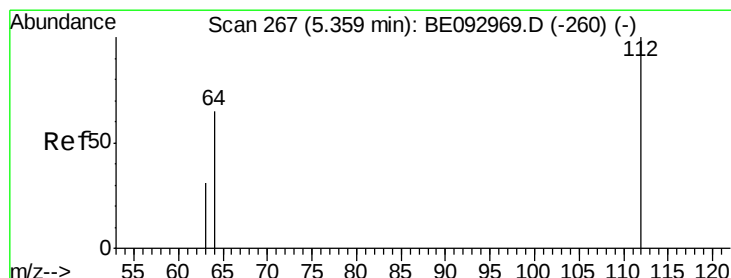
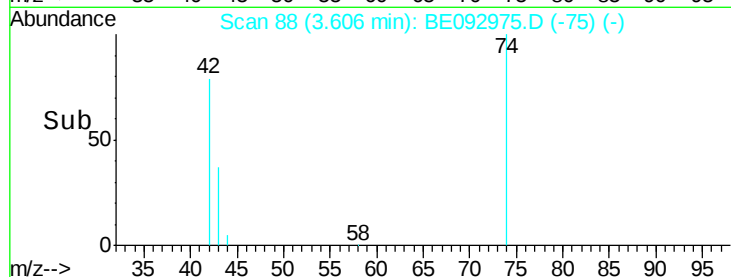
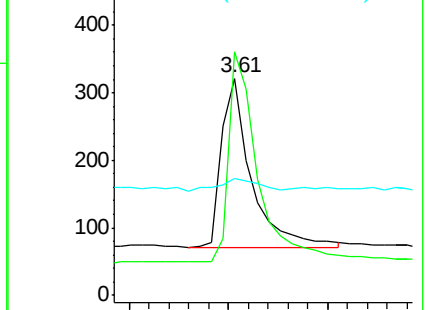
42 100

74 122.1 99.1 148.7

44 8.8 7.4 11.2



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: 0.37 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

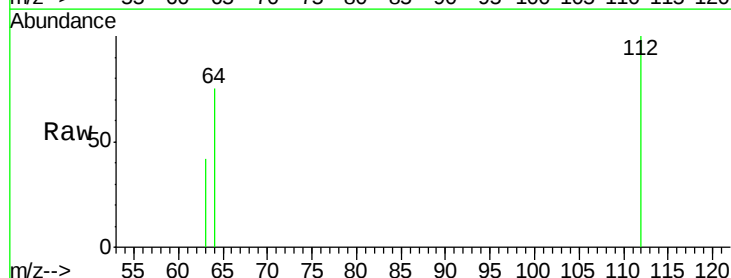
Tgt Ion: 112 Resp: 812

Ion Ratio Lower Upper

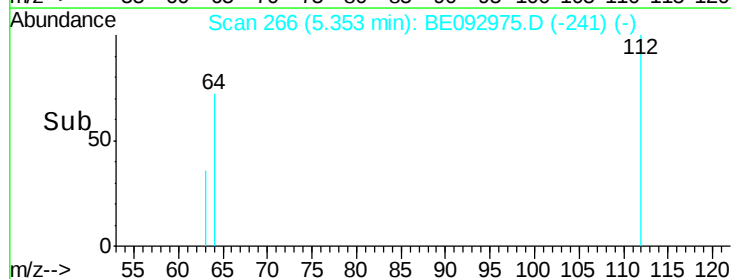
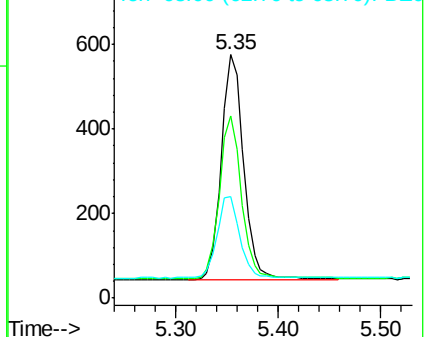
112 100

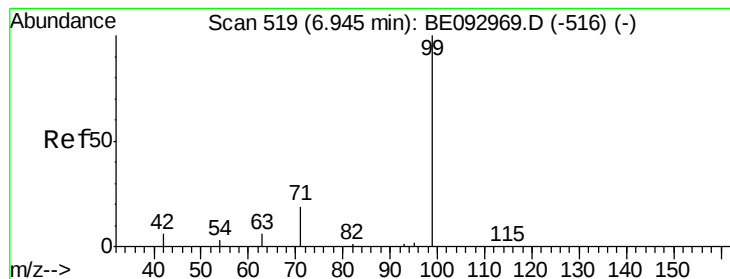
64 70.4 56.4 84.6

63 37.4 29.3 43.9



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





#5

Phenol-d6

Concen: 0.36 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

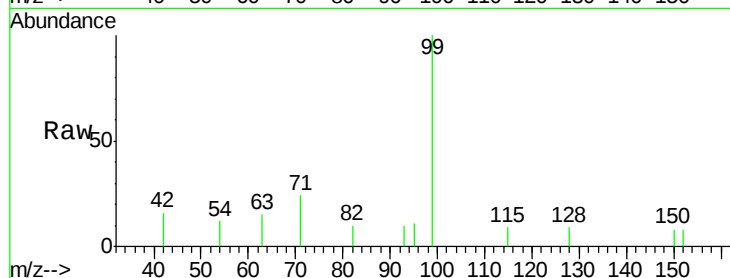
Tgt Ion: 99 Resp: 992

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

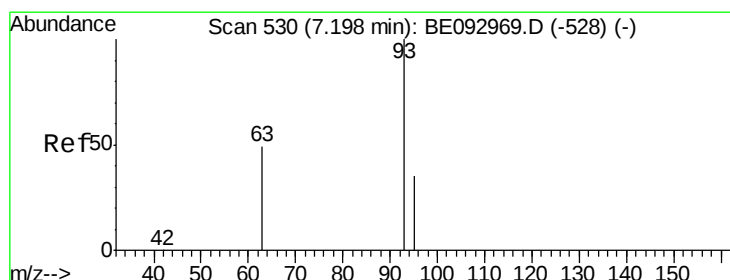
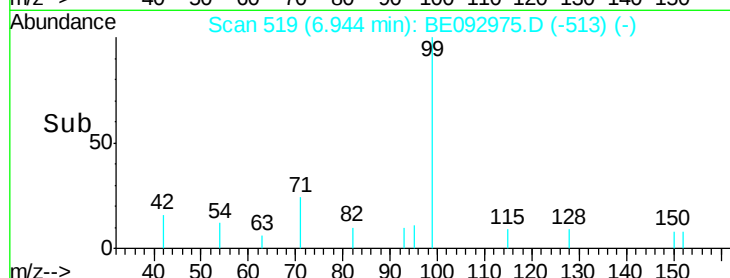
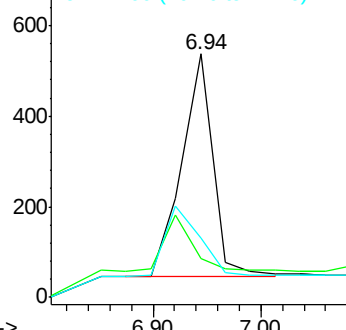
71 0.0 0.0 0.0



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: 0.38 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

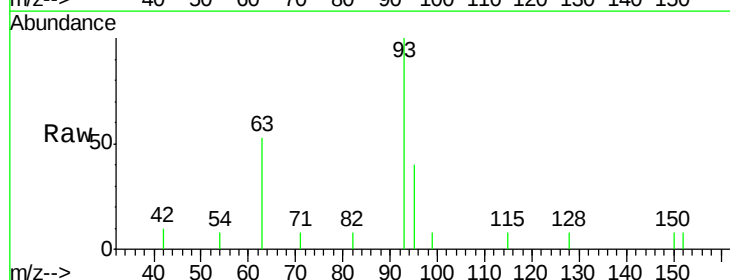
Tgt Ion: 93 Resp: 1002

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

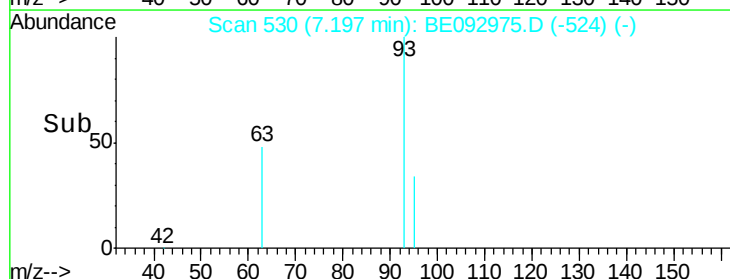
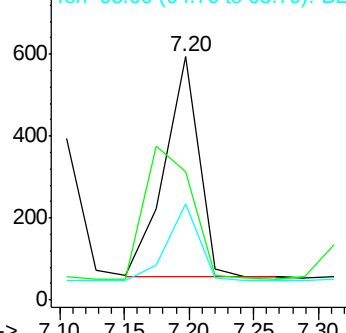
95 32.8 25.4 38.0

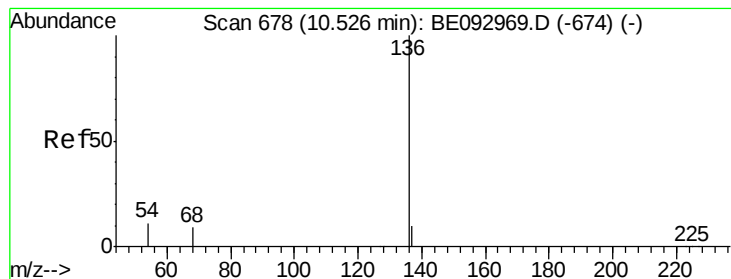


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 3092

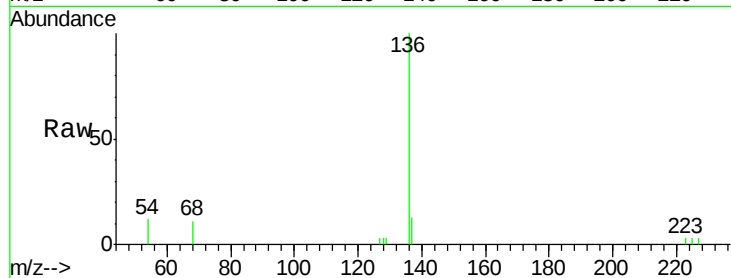
Ion Ratio Lower Upper

136 100

137 12.7 9.8 14.8

54 12.4 10.3 15.5

68 11.0 9.0 13.4

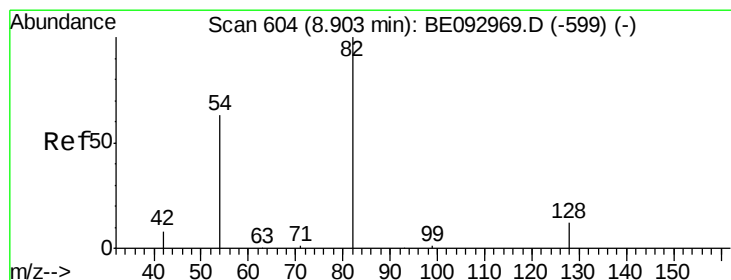
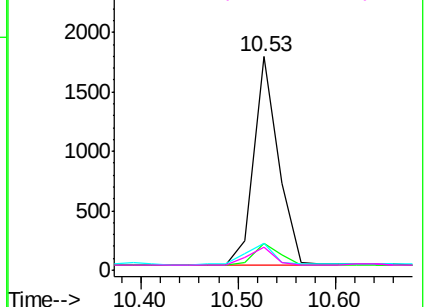
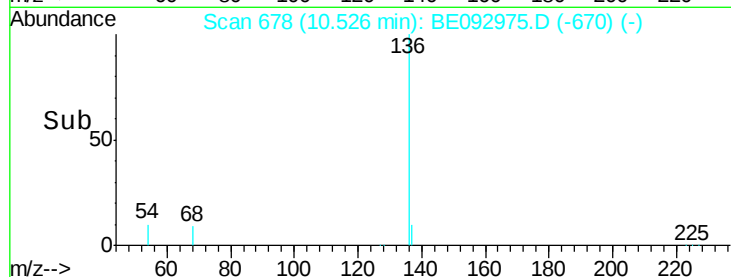


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.38 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

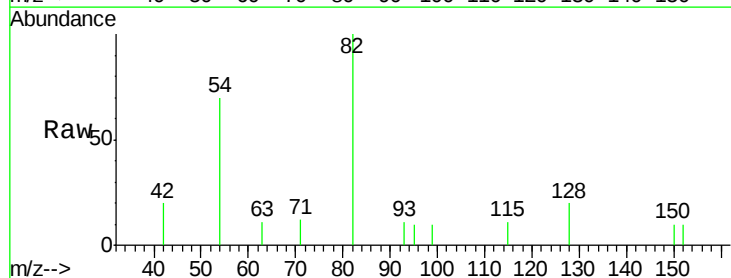
Tgt Ion: 82 Resp: 911

Ion Ratio Lower Upper

82 100

128 20.5 17.0 25.4

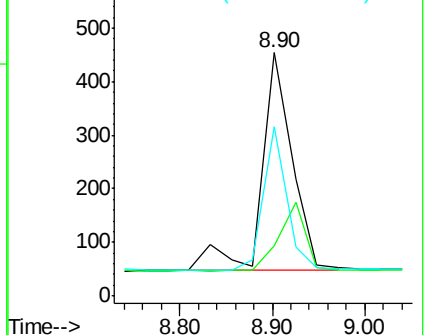
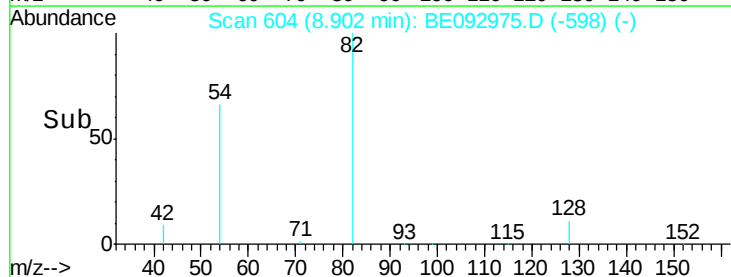
54 69.8 53.8 80.6

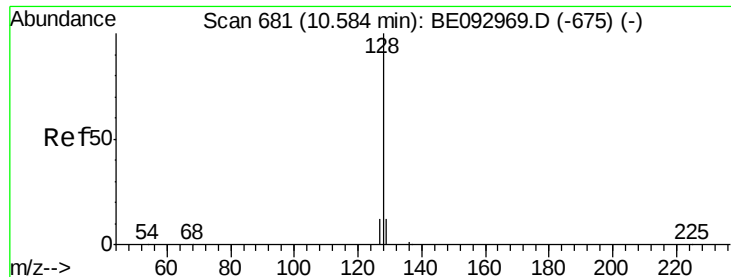


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

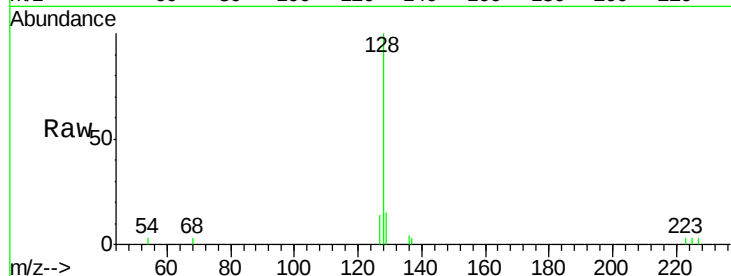
Tgt Ion:128 Resp: 3175

Ion Ratio Lower Upper

128 100

129 14.5 11.4 17.0

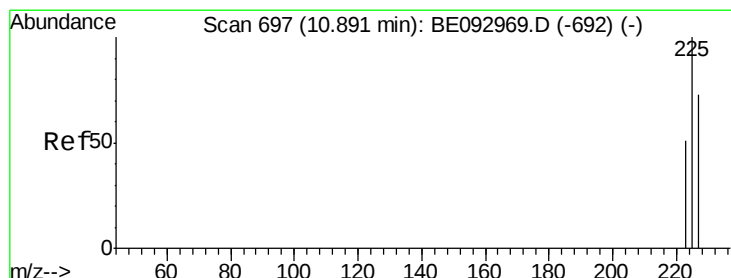
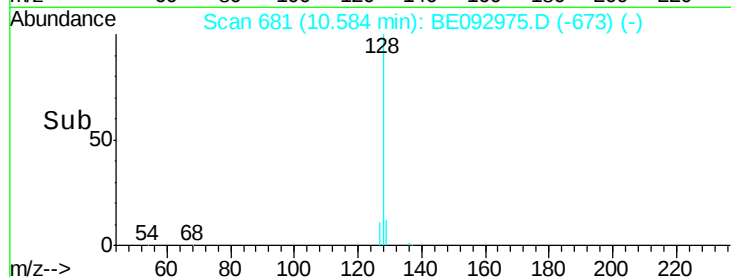
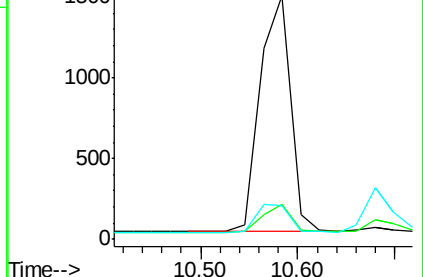
127 13.9 11.2 16.8



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: 0.38 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

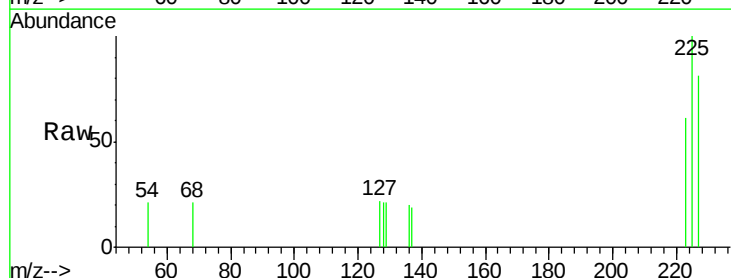
Tgt Ion:225 Resp: 446

Ion Ratio Lower Upper

225 100

223 62.8 49.7 74.5

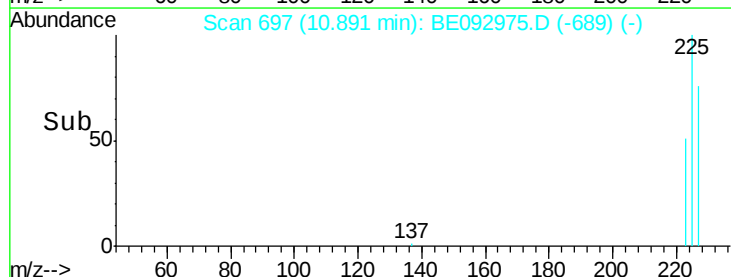
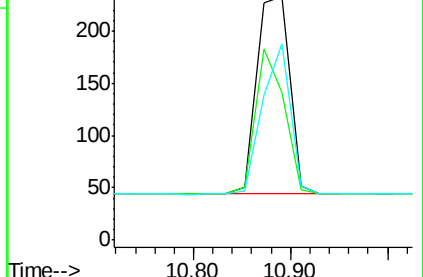
227 66.6 50.3 75.5

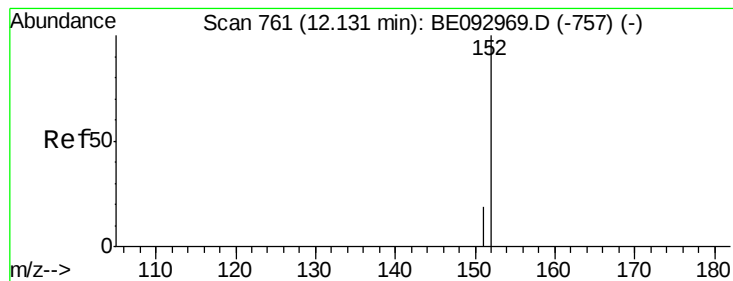


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

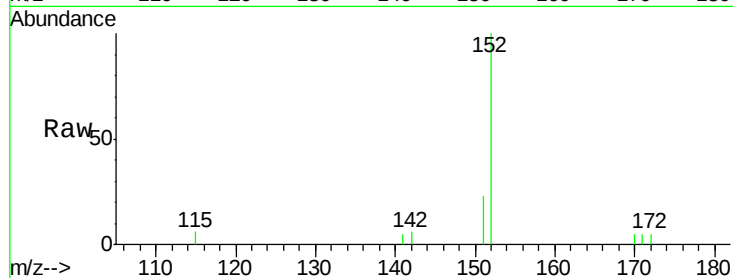
SSTDCCC0.4

Tgt Ion:152 Resp: 1649

Ion Ratio Lower Upper

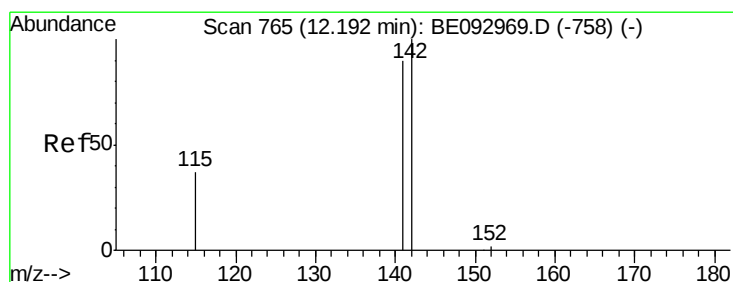
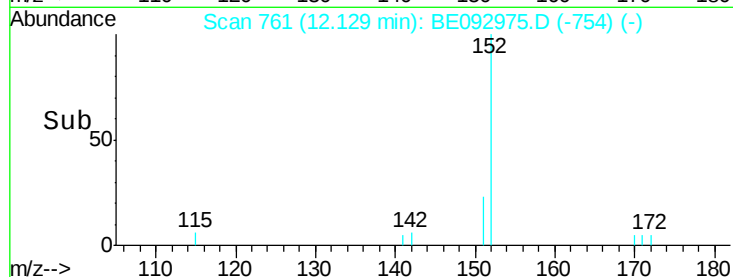
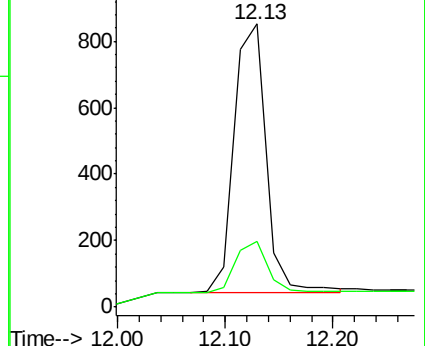
152 100

151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.38 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

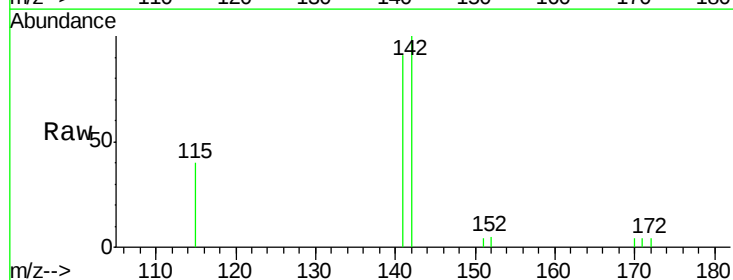
Tgt Ion:142 Resp: 1823

Ion Ratio Lower Upper

142 100

141 91.1 72.6 108.8

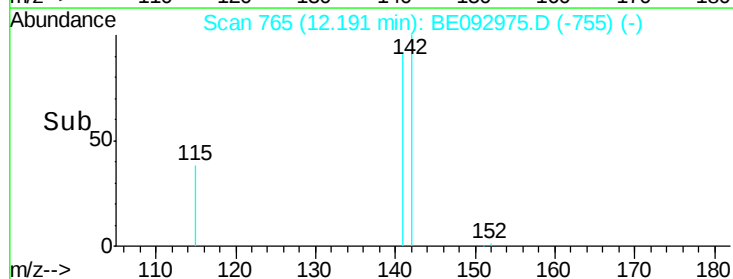
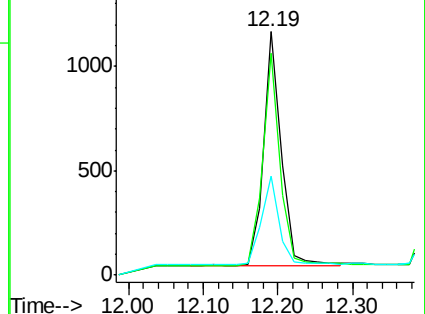
115 40.4 32.2 48.2

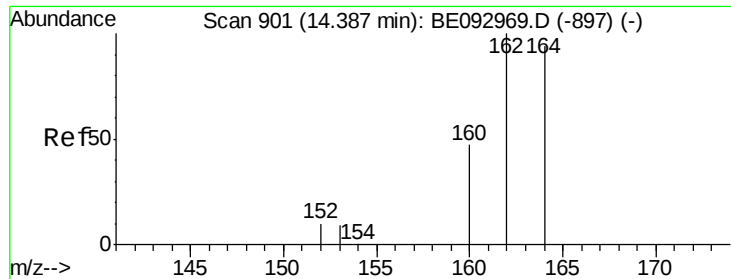


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

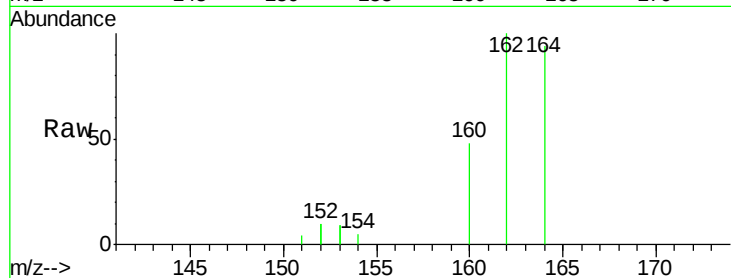
Tgt Ion:164 Resp: 1504

Ion Ratio Lower Upper

164 100

162 105.9 84.6 127.0

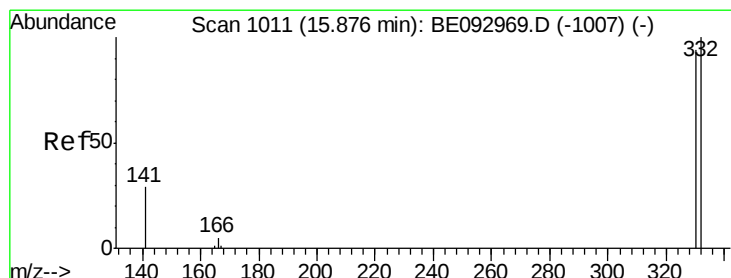
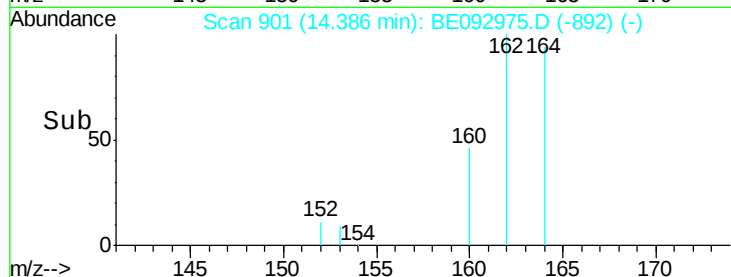
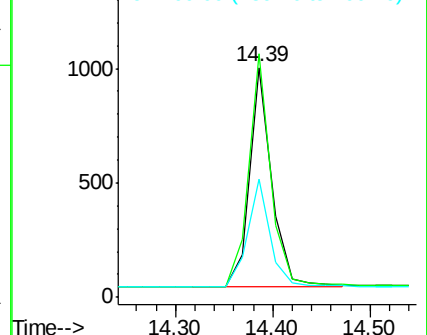
160 51.2 41.8 62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.34 ng

RT: 15.88 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

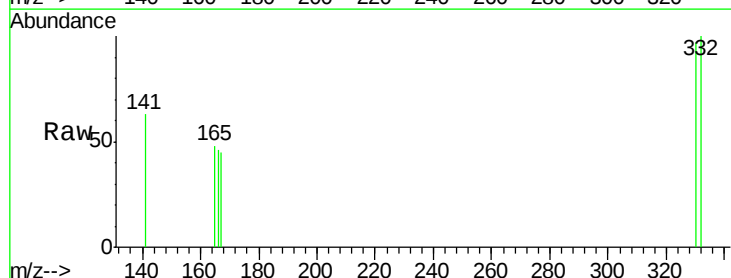
Tgt Ion:330 Resp: 132

Ion Ratio Lower Upper

330 100

332 96.2 77.7 116.5

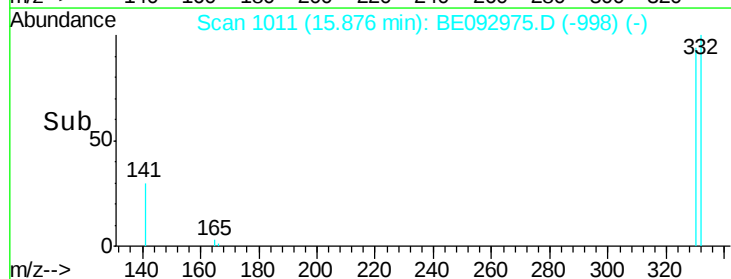
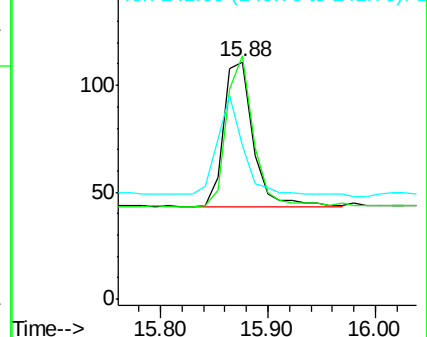
141 64.4 56.2 84.4

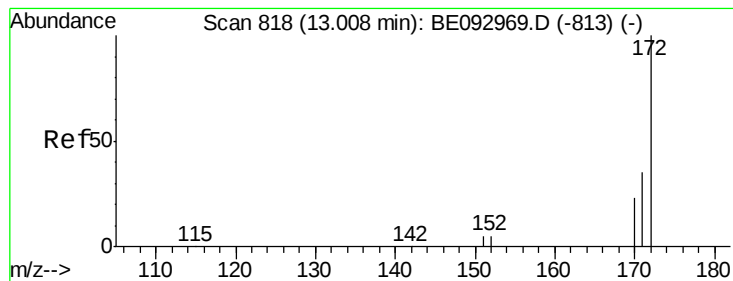


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.39 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

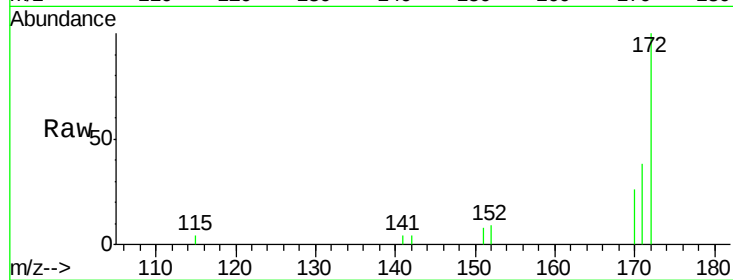
Tgt Ion:172 Resp: 2219

Ion Ratio Lower Upper

172 100

171 38.0 29.8 44.6

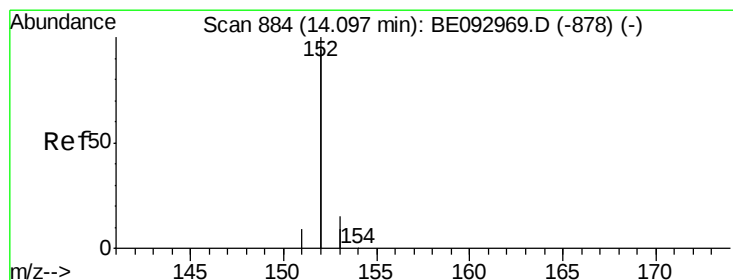
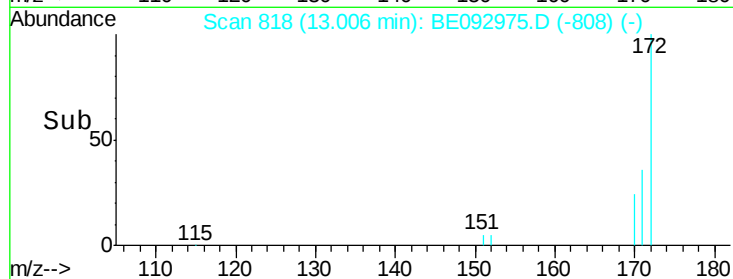
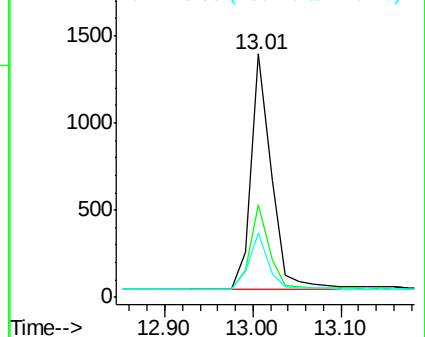
170 26.3 20.7 31.1



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: 0.36 ng

RT: 14.10 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

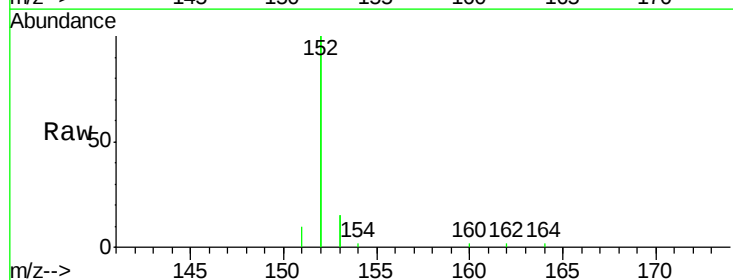
Tgt Ion:152 Resp: 9149

Ion Ratio Lower Upper

152 100

151 4.8 4.0 6.0

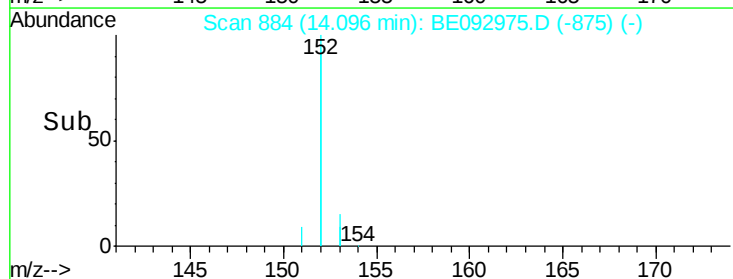
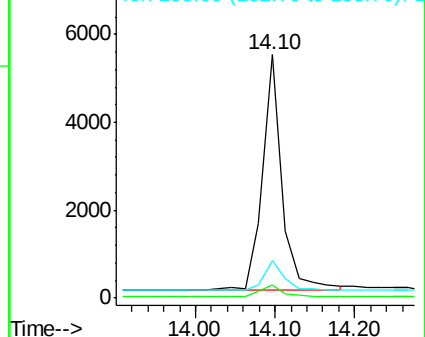
153 12.8 10.3 15.5

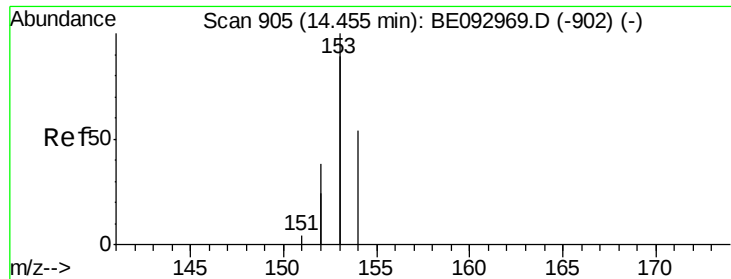


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

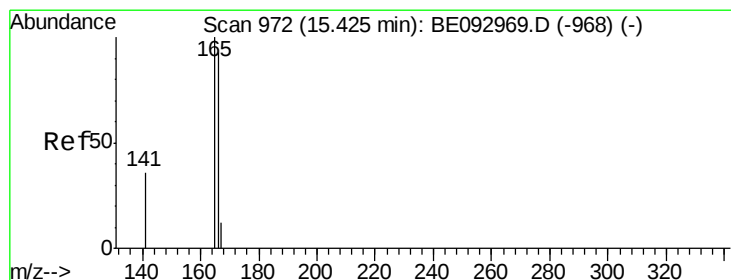
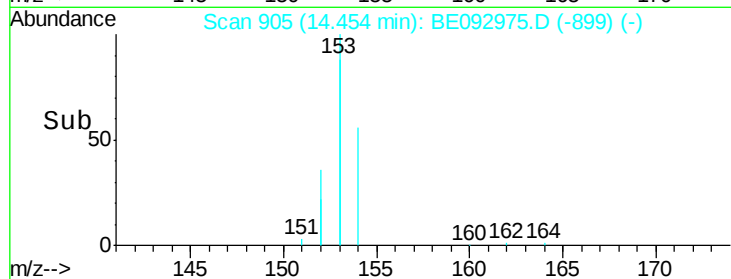
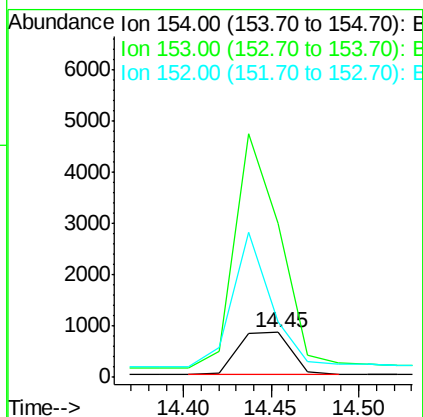
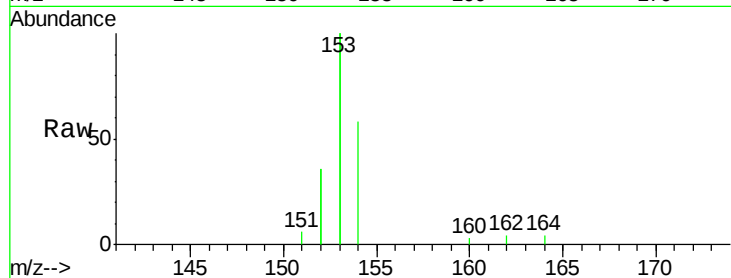




#17  
Acenaphthene  
Concen: 0.38 ng  
RT: 14.45 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE092975.D  
Acq: 10 May 2017 9:46

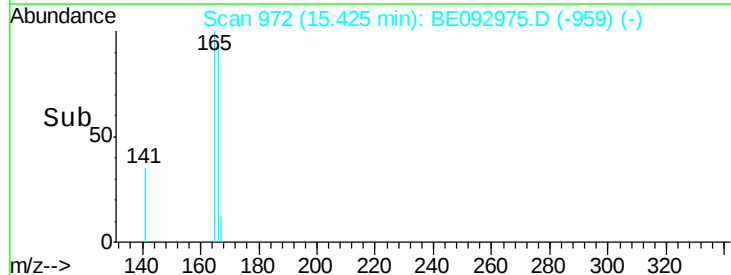
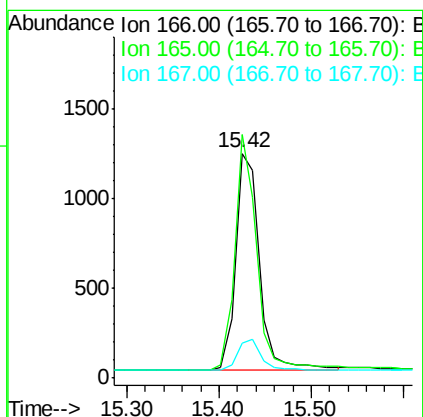
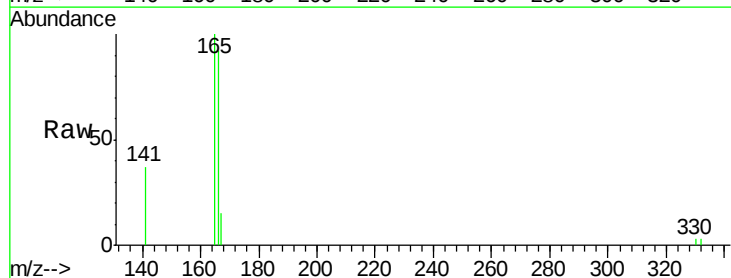
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

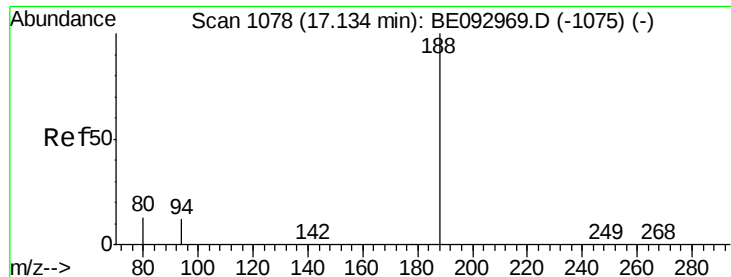
Tgt Ion:154 Resp: 1805  
Ion Ratio Lower Upper  
154 100  
153 457.6 367.8 551.6  
152 228.1 188.2 282.2



#18  
Fluorene  
Concen: 0.38 ng  
RT: 15.42 min Scan# 972  
Delta R.T. -0.00 min  
Lab File: BE092975.D  
Acq: 10 May 2017 9:46

Tgt Ion:166 Resp: 2168  
Ion Ratio Lower Upper  
166 100  
165 99.1 78.6 117.8  
167 14.1 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

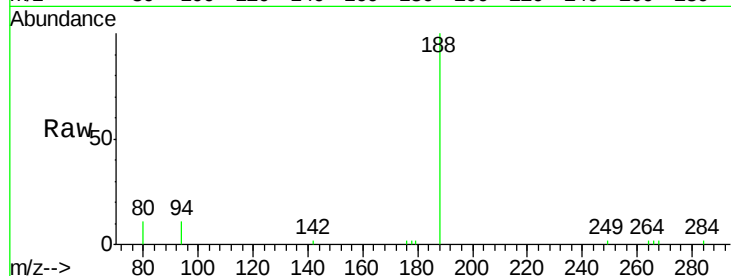
Tgt Ion:188 Resp: 3837

Ion Ratio Lower Upper

188 100

94 11.4 11.3 16.9

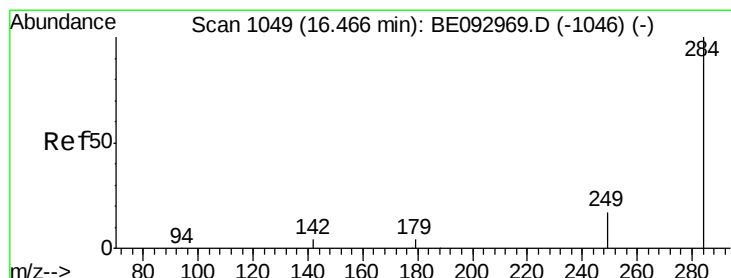
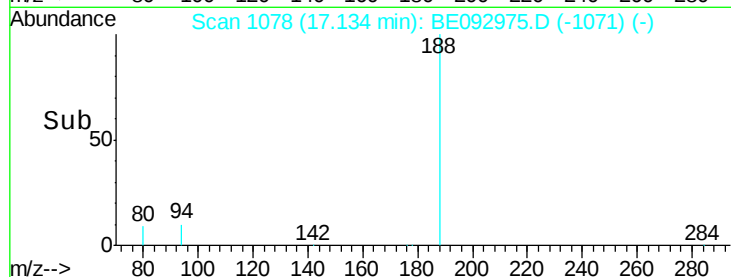
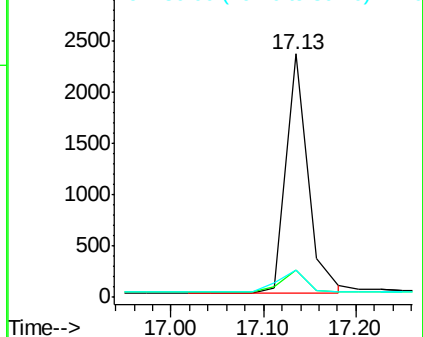
80 11.4 11.7 17.5#



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: 0.34 ng

RT: 16.47 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

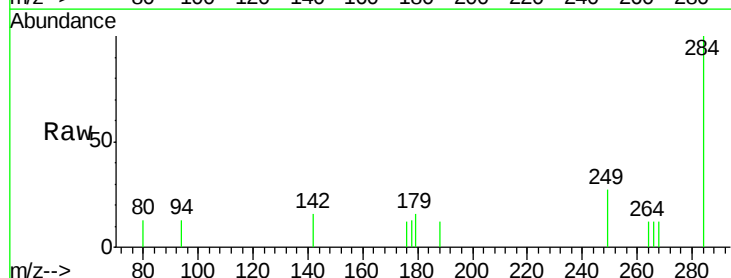
Tgt Ion:284 Resp: 610

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

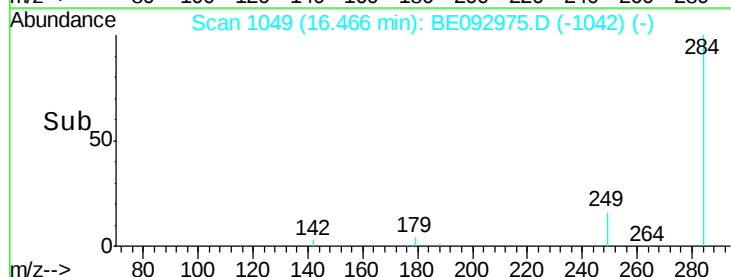
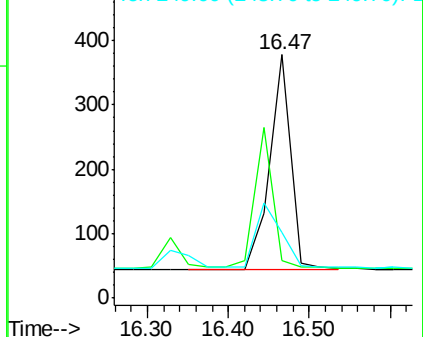
249 0.0 0.0 0.0

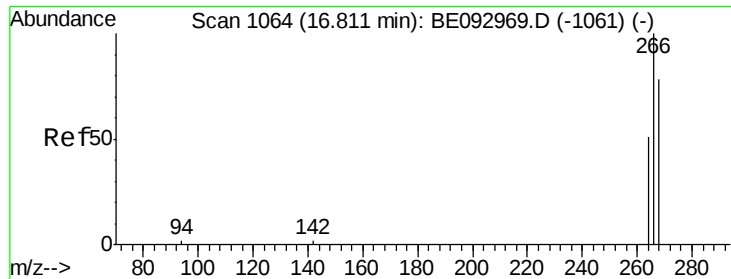


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

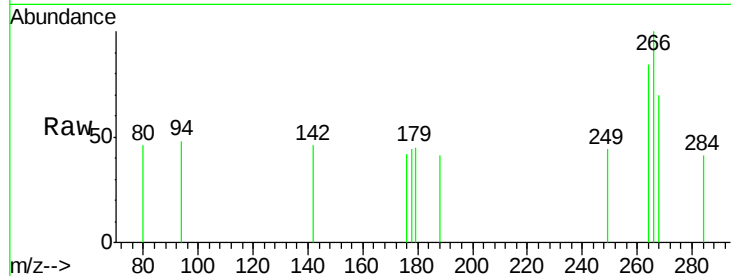




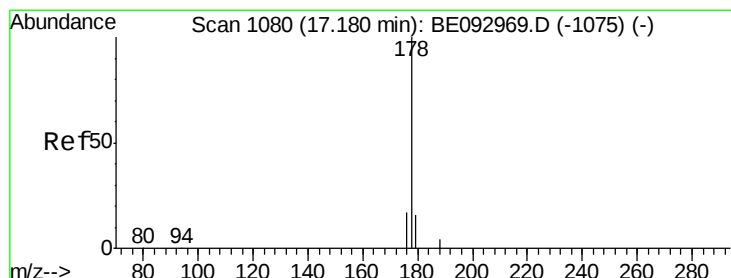
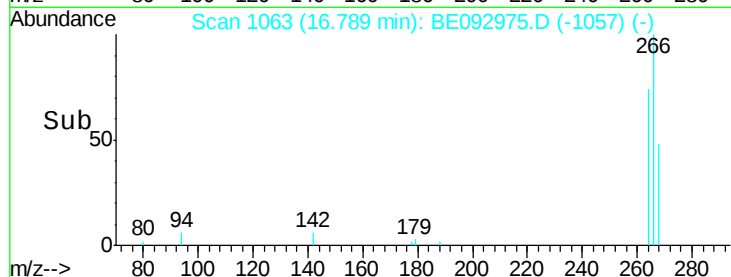
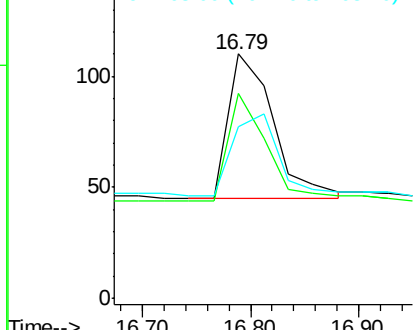
#21  
 Pentachlorophenol  
 Concen: 0.45 ng  
 RT: 16.79 min Scan# 1063  
 Delta R.T. -0.02 min  
 Lab File: BE092975.D  
 Acq: 10 May 2017 9:46

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tgt Ion: 266 Resp: 188  
 Ion Ratio Lower Upper  
 266 100  
 264 83.6 58.2 87.2  
 268 70.0 71.9 107.9#

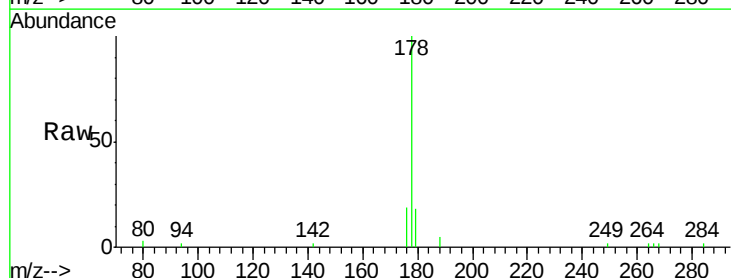


Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

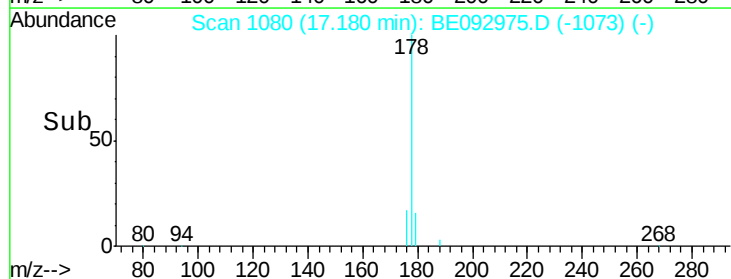
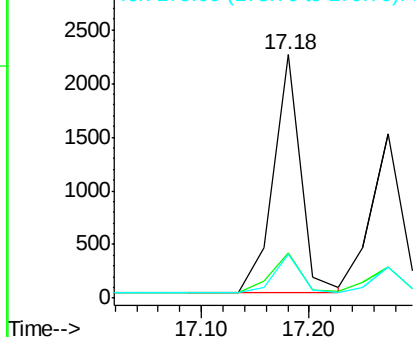


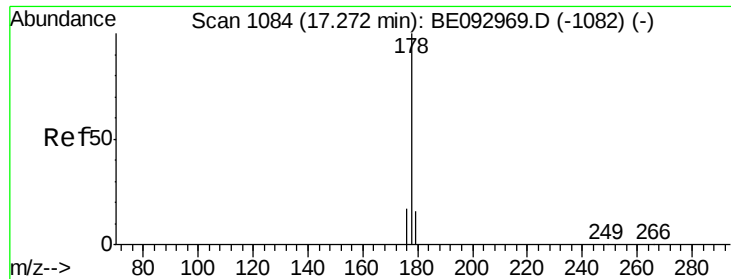
#22  
 Phenanthrene  
 Concen: 0.36 ng  
 RT: 17.18 min Scan# 1080  
 Delta R.T. 0.00 min  
 Lab File: BE092975.D  
 Acq: 10 May 2017 9:46

Tgt Ion: 178 Resp: 3927  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.0 22.4  
 179 15.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.34 ng

RT: 17.27 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

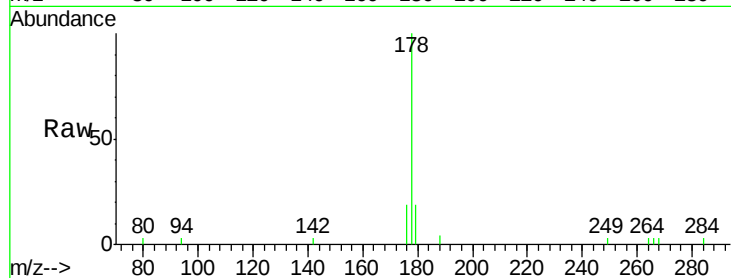
Tgt Ion:178 Resp: 2980

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

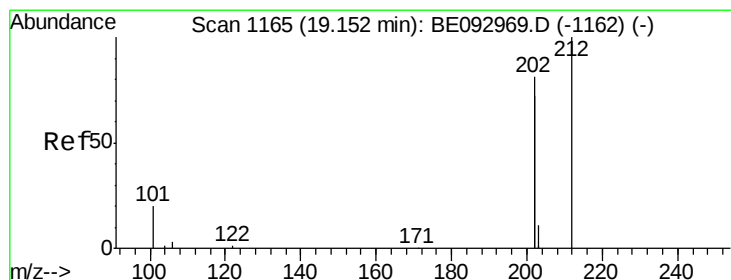
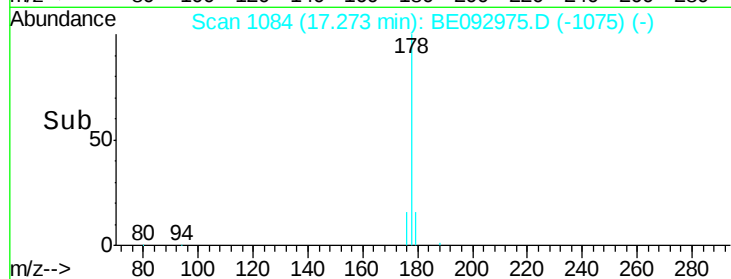
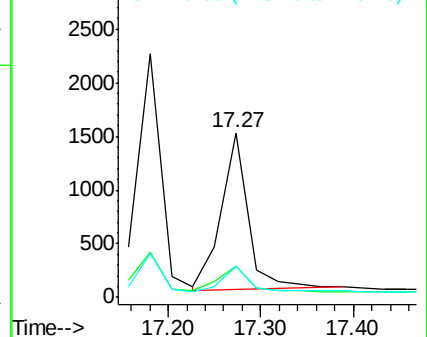
179 15.2 12.0 18.0



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: 0.34 ng

RT: 19.15 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

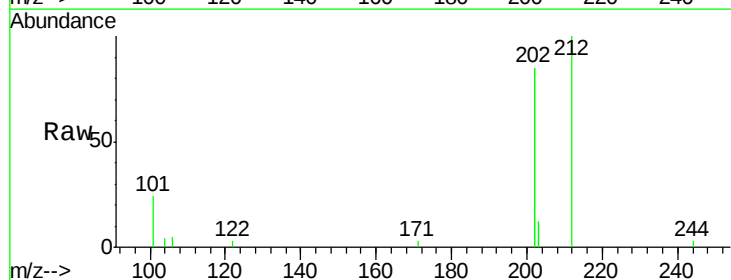
Tgt Ion:212 Resp: 3409

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

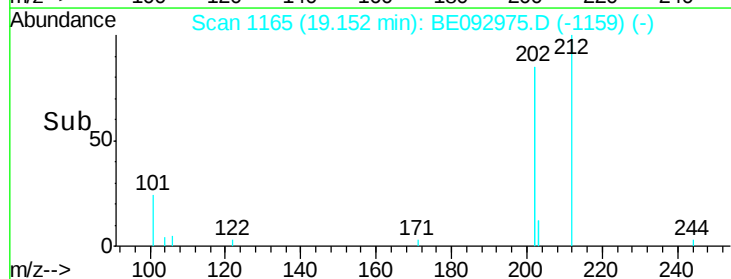
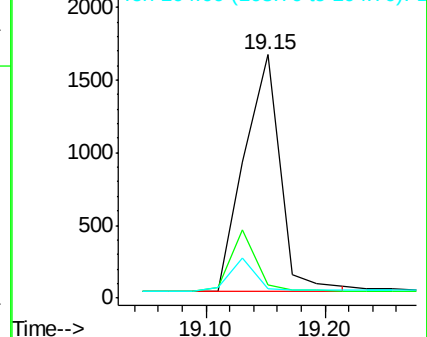
104 0.0 0.0 0.0

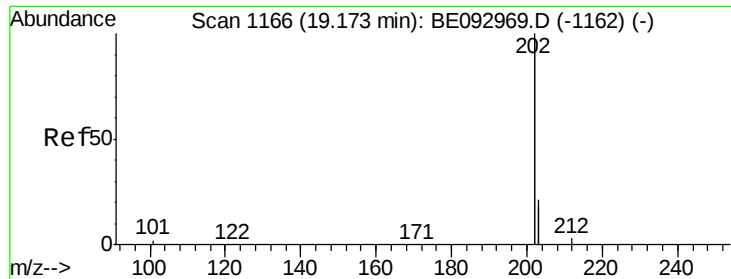


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.34 ng

RT: 19.17 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

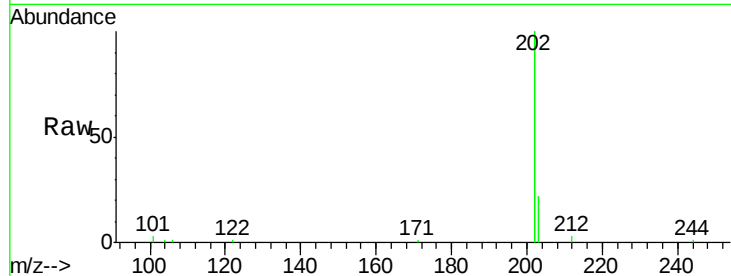
Tgt Ion:202 Resp: 17715

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

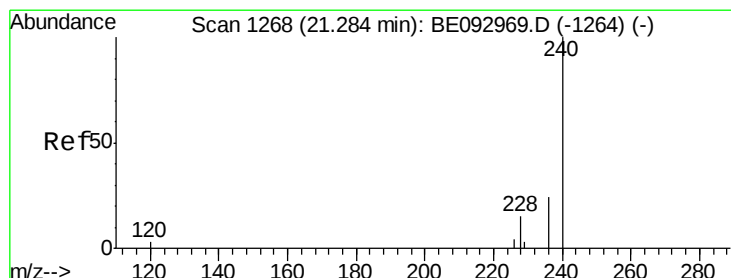
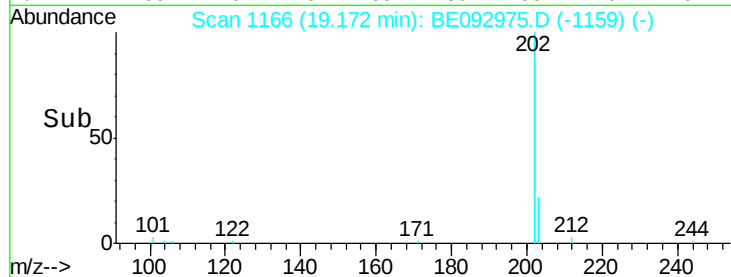
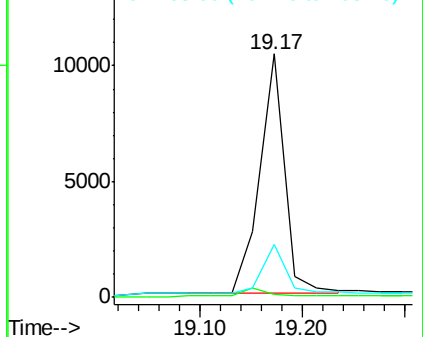
203 18.4 14.4 21.6



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: BE092975.D

Acq: 10 May 2017 9:46

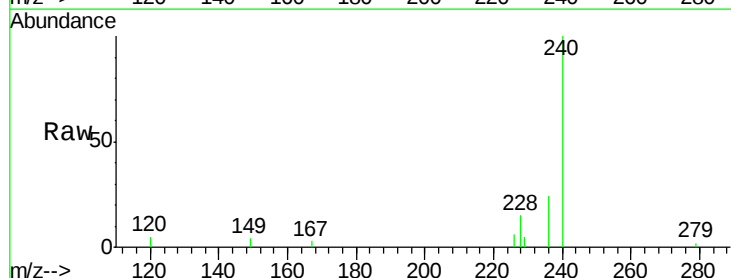
Tgt Ion:240 Resp: 4004

Ion Ratio Lower Upper

240 100

120 5.1 4.6 7.0

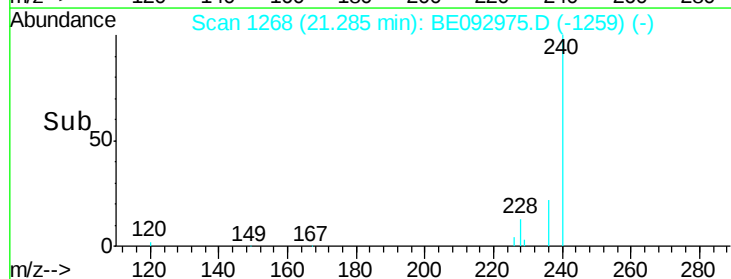
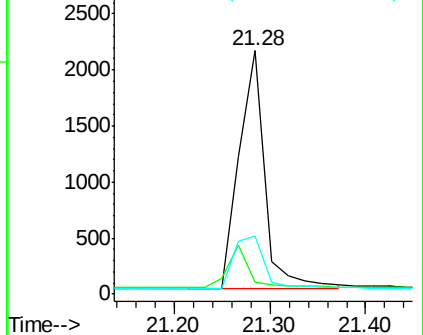
236 24.1 20.8 31.2

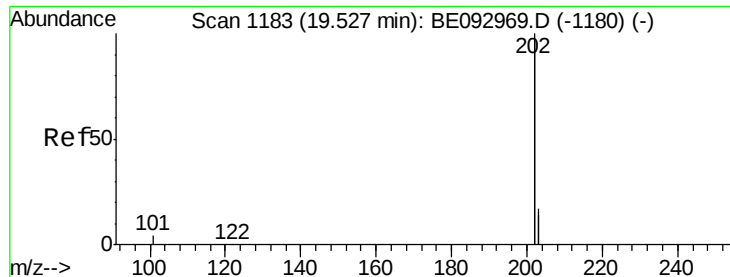


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

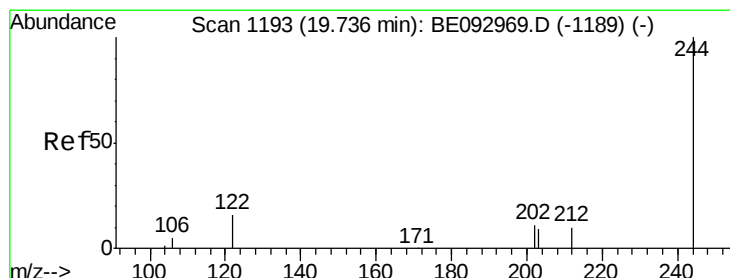
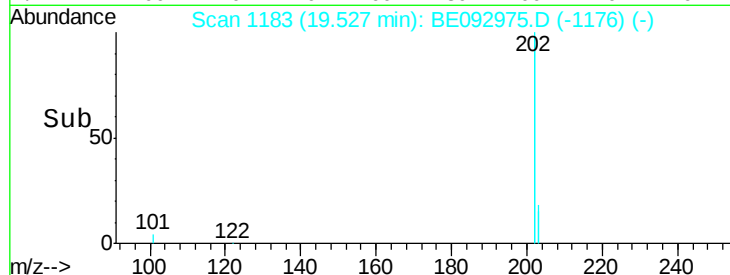
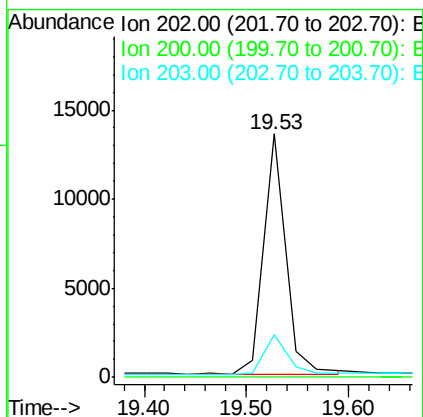
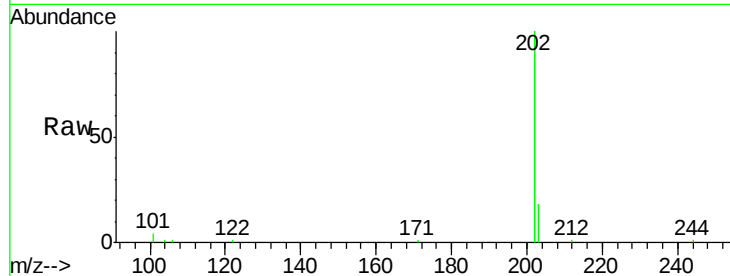




#27  
 Pyrene  
 Concen: 0.37 ng  
 RT: 19.53 min Scan# 1183  
 Delta R.T. -0.00 min  
 Lab File: BE092975.D  
 Acq: 10 May 2017 9:46

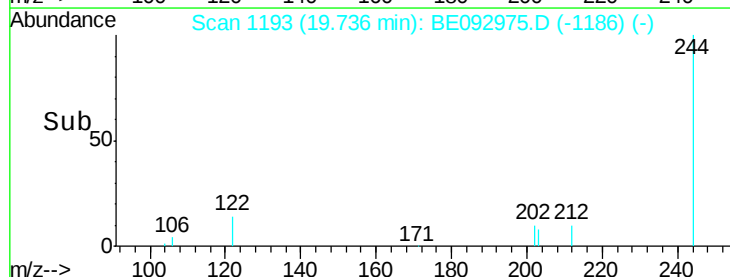
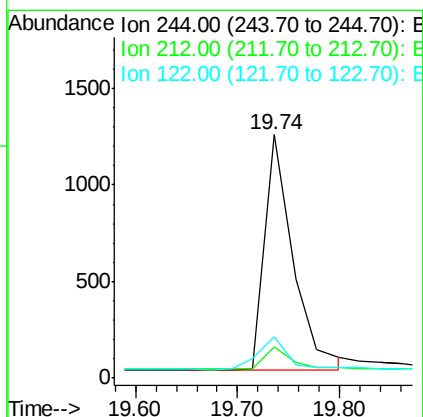
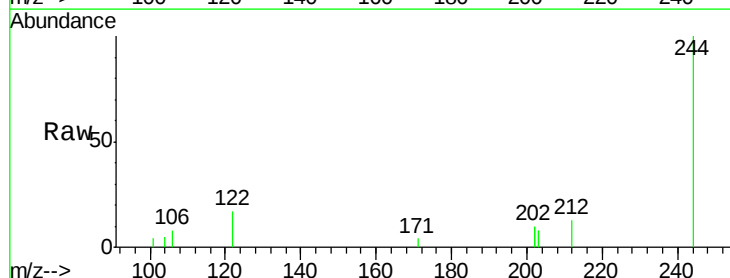
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

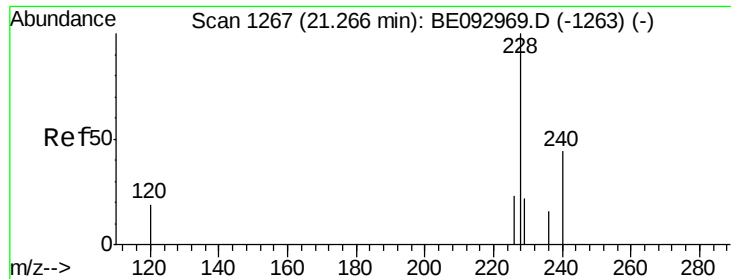
Tgt Ion: 202 Resp: 19913  
 Ion Ratio Lower Upper  
 202 100  
 200 0.0 0.0 0.0  
 203 17.4 13.7 20.5



#28  
 Terphenyl-d14  
 Concen: 0.38 ng  
 RT: 19.74 min Scan# 1193  
 Delta R.T. -0.00 min  
 Lab File: BE092975.D  
 Acq: 10 May 2017 9:46

Tgt Ion: 244 Resp: 2325  
 Ion Ratio Lower Upper  
 244 100  
 212 13.0 10.6 16.0  
 122 17.0 15.4 23.0





#29

Benzo(a)anthracene

Concen: 0.39 ng

RT: 21.25 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

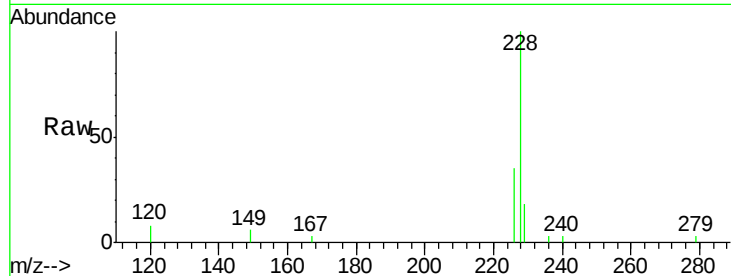
Tgt Ion:228 Resp: 3721

Ion Ratio Lower Upper

228 100

226 34.5 19.7 29.5#

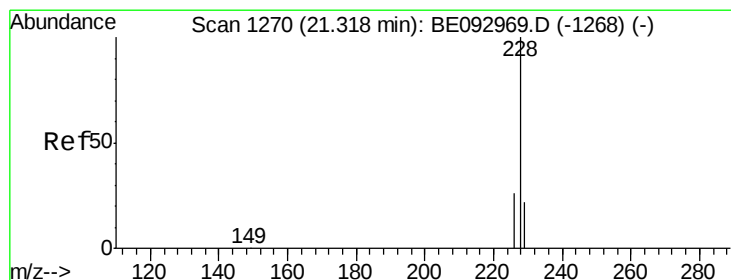
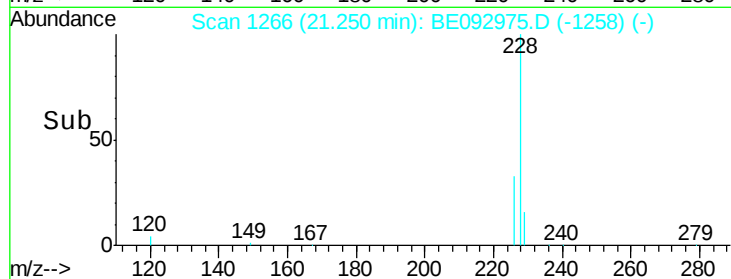
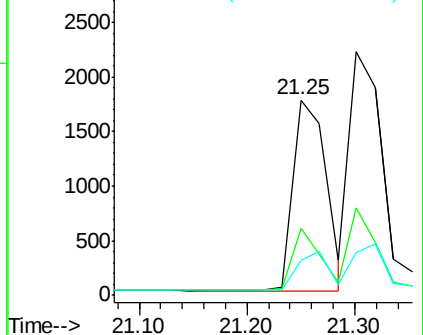
229 17.7 19.2 28.8#



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

Chrysene

Concen: 0.37 ng

RT: 21.30 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

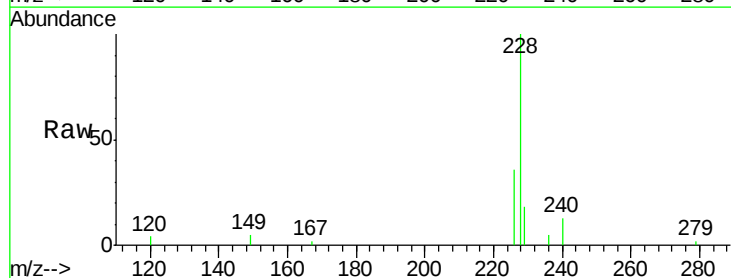
Tgt Ion:228 Resp: 4784

Ion Ratio Lower Upper

228 100

226 36.1 21.5 32.3#

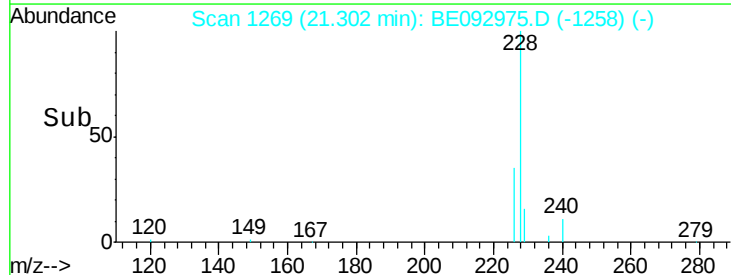
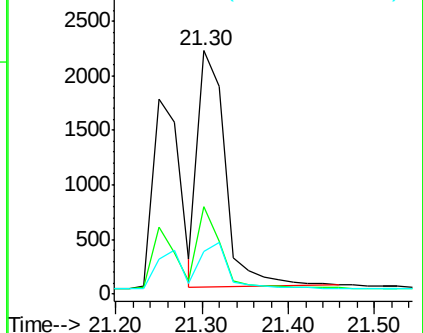
229 17.8 18.6 28.0#

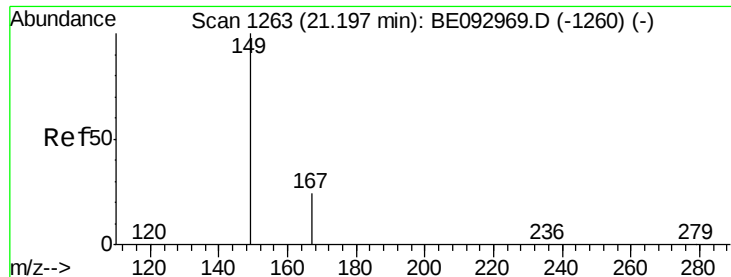


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Bis(2-ethylhexyl)phthalate

Concen: 0.44 ng

RT: 21.20 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

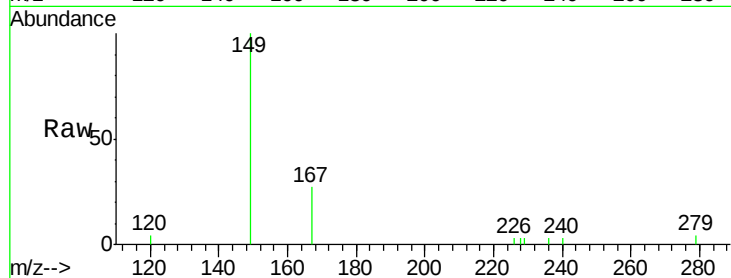
Tgt Ion:149 Resp: 1619

Ion Ratio Lower Upper

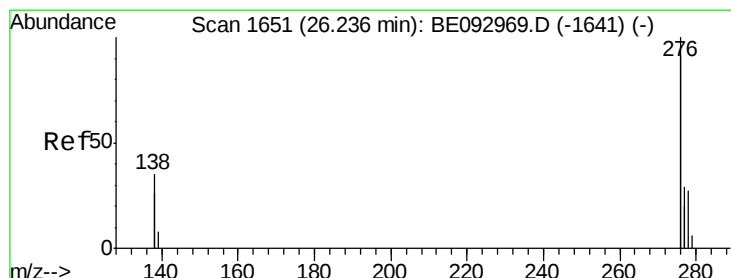
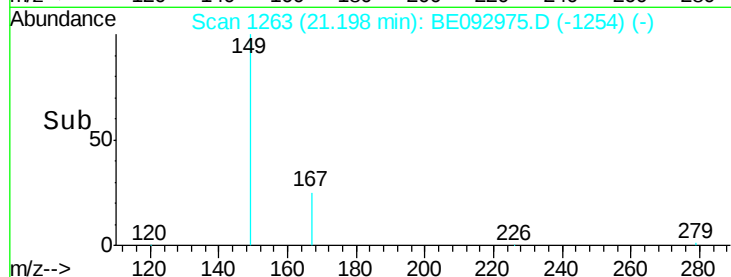
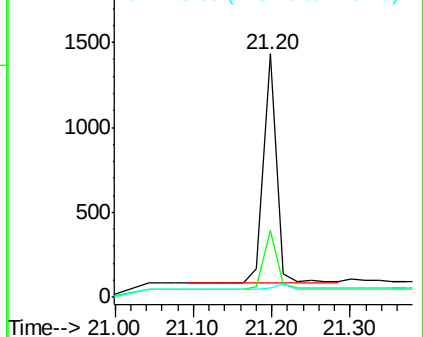
149 100

167 25.3 20.1 30.1

279 2.7 2.2 3.4



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



#32

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng

RT: 26.22 min Scan# 1650

Delta R.T. -0.02 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

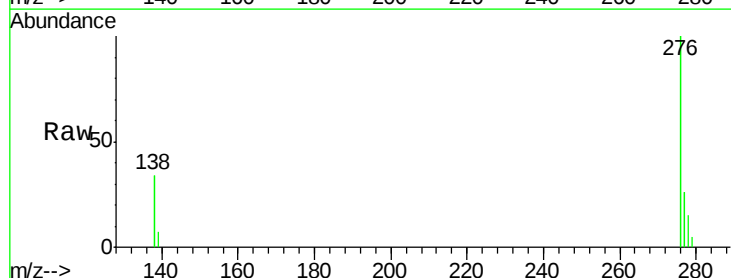
Tgt Ion:276 Resp: 17883

Ion Ratio Lower Upper

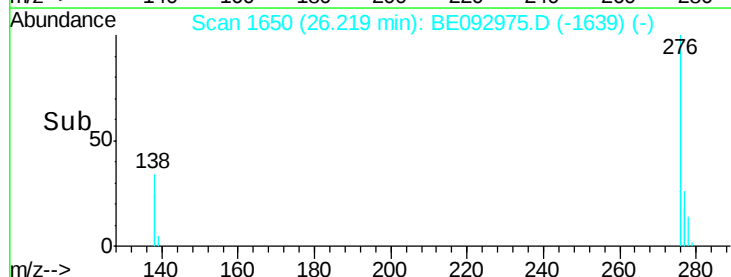
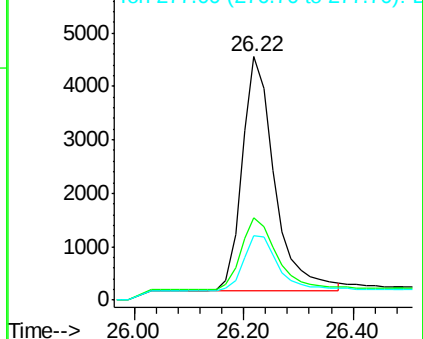
276 100

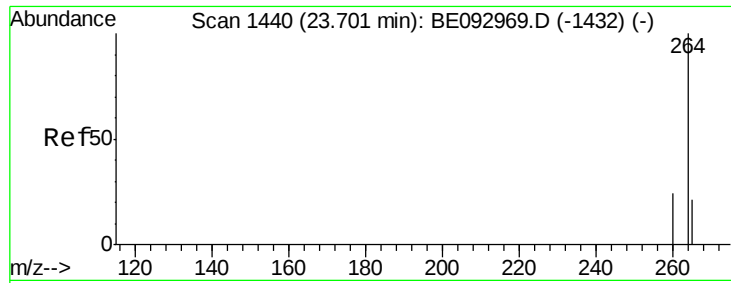
138 33.9 27.4 41.2

277 24.8 20.1 30.1



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

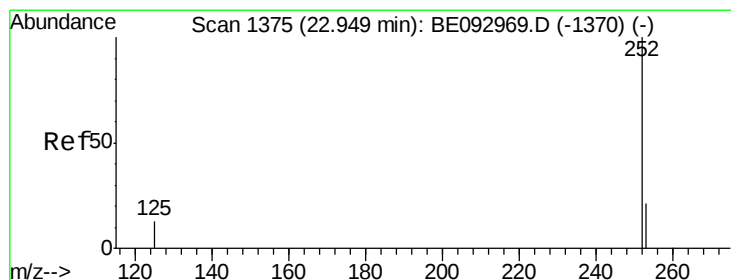
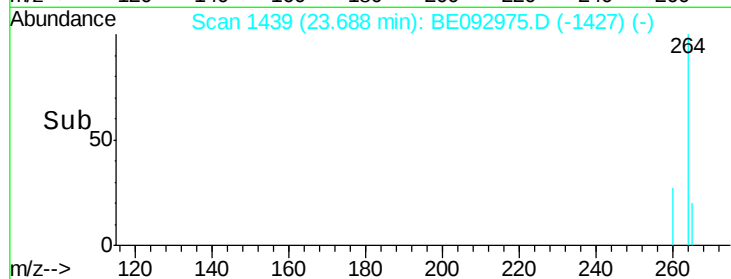
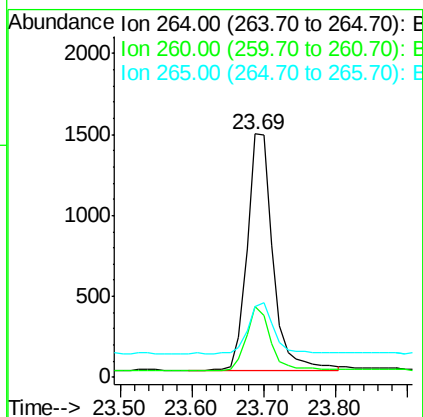
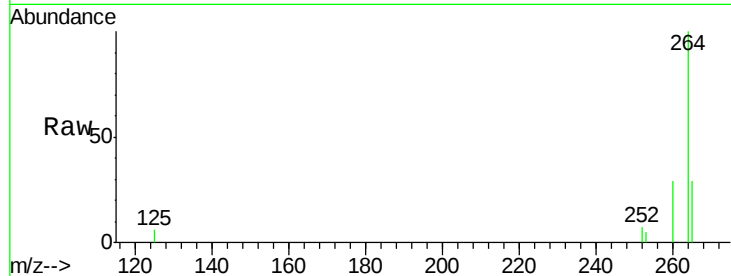




#33  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.69 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BE092975.D  
 Acq: 10 May 2017 9:46

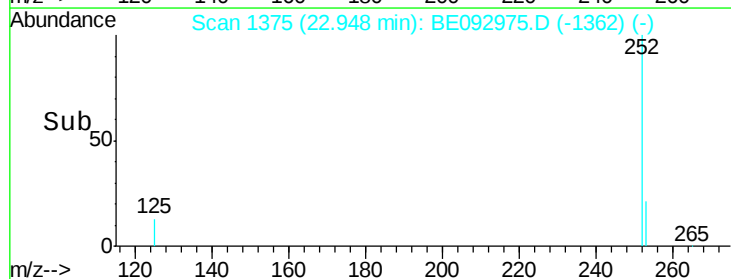
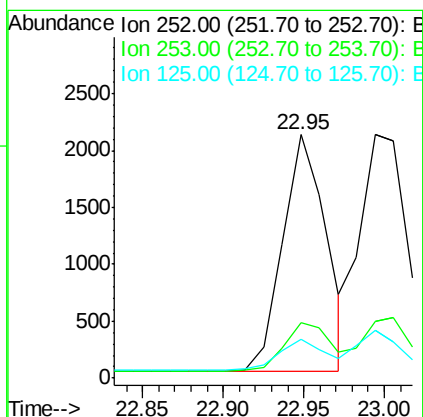
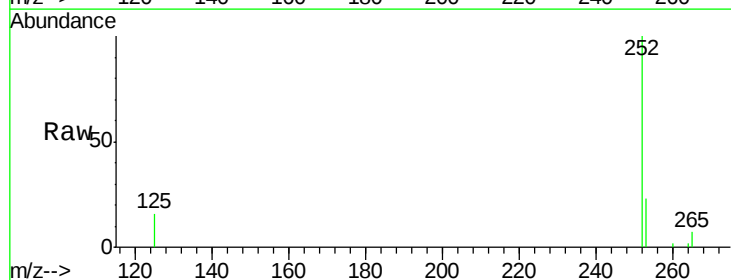
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

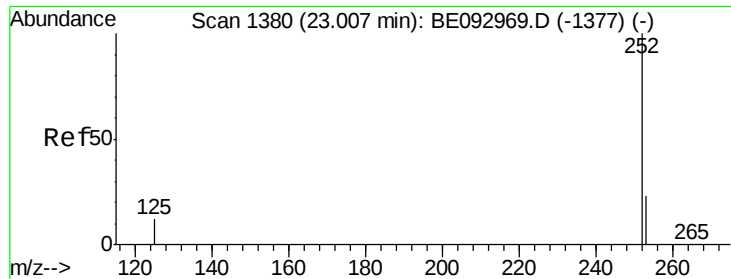
Tgt Ion: 264 Resp: 3662  
 Ion Ratio Lower Upper  
 264 100  
 260 29.0 21.0 31.4  
 265 29.3 24.6 36.8



#34  
 Benzo(b)fluoranthene  
 Concen: 0.35 ng  
 RT: 22.95 min Scan# 1375  
 Delta R.T. -0.00 min  
 Lab File: BE092975.D  
 Acq: 10 May 2017 9:46

Tgt Ion: 252 Resp: 3937  
 Ion Ratio Lower Upper  
 252 100  
 253 23.0 18.5 27.7  
 125 15.8 13.4 20.0





#35

Benzo(k)fluoranthene

Concen: 0.33 ng

RT: 22.95 min Scan# 1375

Delta R.T. -0.06 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

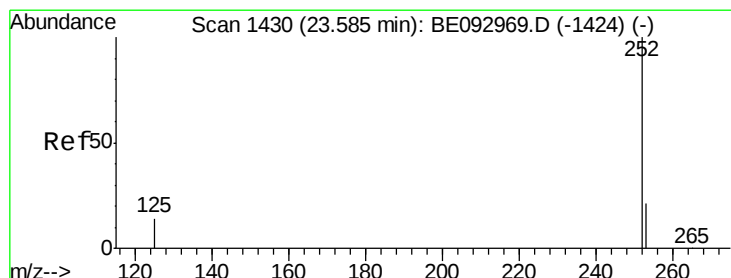
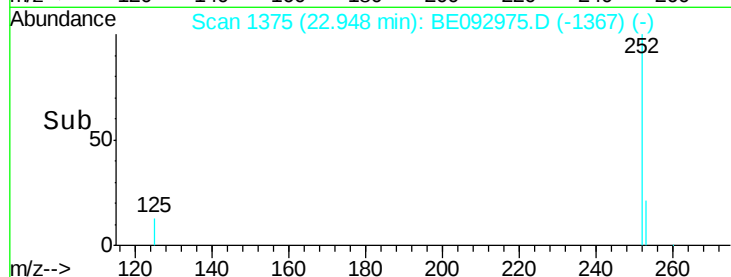
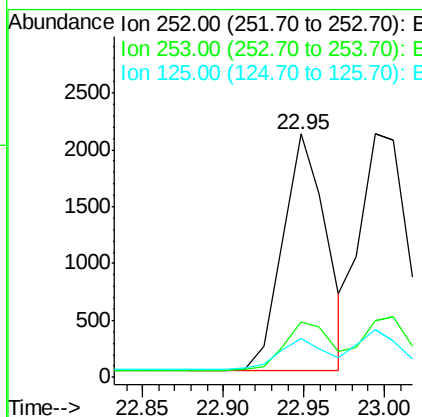
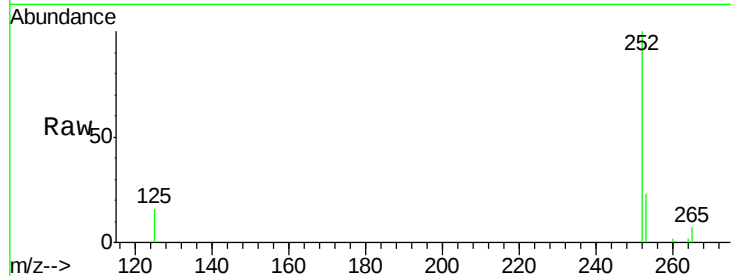
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 3937  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 23.0  | 20.3  | 30.5  |
| 125      | 15.8  | 12.2  | 18.4  |



#36

Benzo(a)pyrene

Concen: 0.36 ng

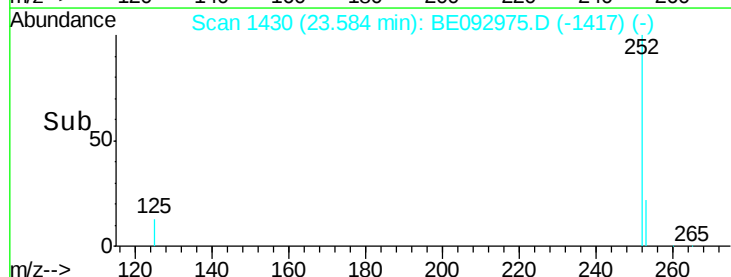
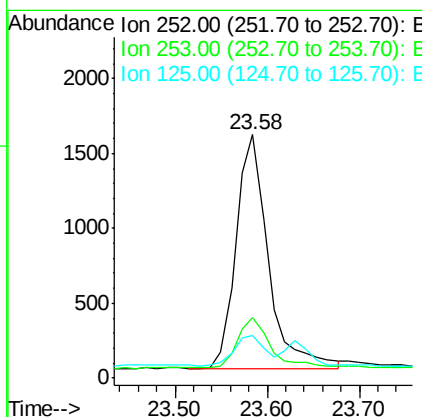
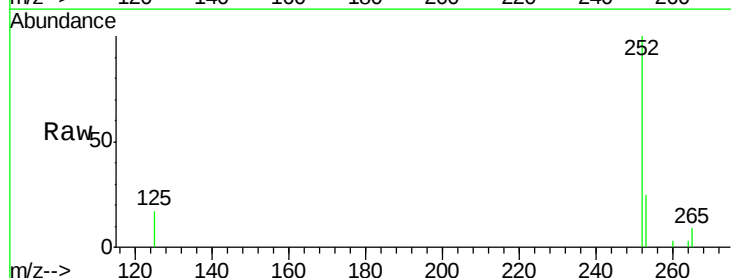
RT: 23.58 min Scan# 1430

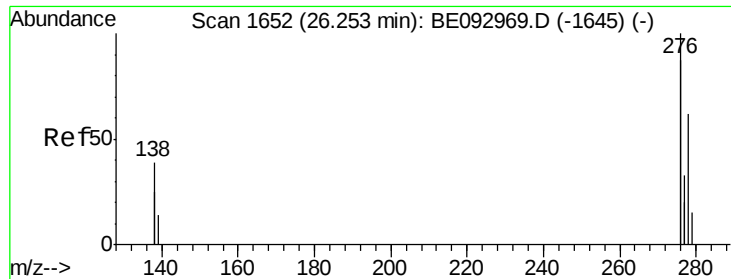
Delta R.T. -0.00 min

Lab File: BE092975.D

Acq: 10 May 2017 9:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 3798  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 24.9  | 19.9  | 29.9  |
| 125      | 17.5  | 14.6  | 21.8  |

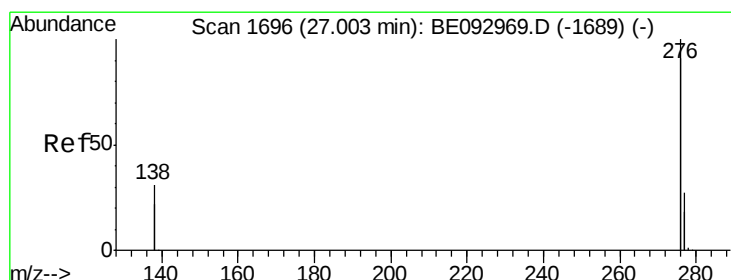
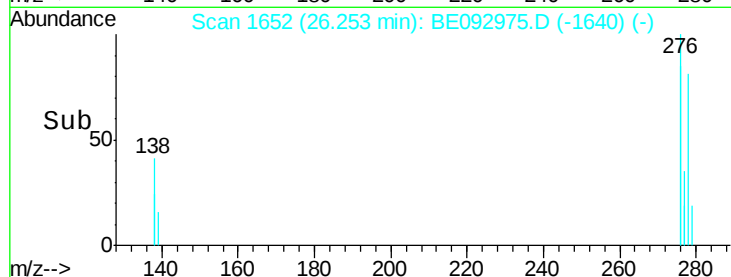
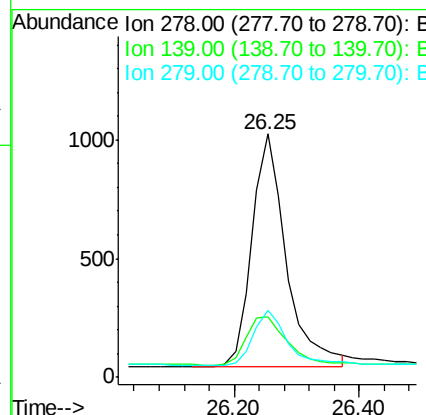
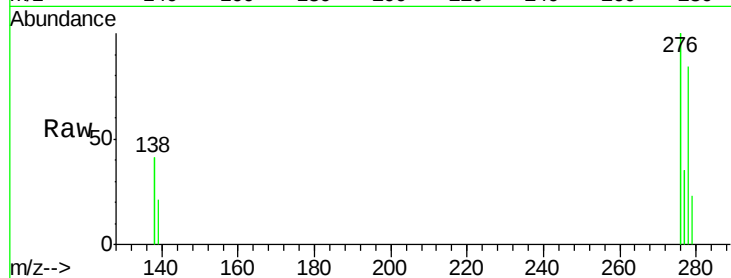




#37  
Dibenzo(a,h)anthracene  
Concen: 0.36 ng  
RT: 26.25 min Scan# 1652  
Delta R.T. 0.00 min  
Lab File: BE092975.D  
Acq: 10 May 2017 9:46

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 278 Resp: 3748  
Ion Ratio Lower Upper  
278 100  
139 24.7 21.4 32.0  
279 27.3 22.2 33.2



#38  
Benzo(g,h,i)perylene  
Concen: 0.36 ng  
RT: 27.00 min Scan# 1696  
Delta R.T. 0.00 min  
Lab File: BE092975.D  
Acq: 10 May 2017 9:46

Tgt Ion: 276 Resp: 16313  
Ion Ratio Lower Upper  
276 100  
277 26.3 21.2 31.8  
138 28.7 24.5 36.7

