

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\  
 Data File : BE091730.D  
 Acq On : 27 Apr 2016 17:33  
 Operator : UM/SJ  
 Sample : SSTDC00.4  
 Misc : L00 2 PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDC00.4EC

Quant Time: Apr 28 03:13:42 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 26 16:09:46 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 34544    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.57 | 136  | 157397   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.41 | 164  | 90490    | 5.00 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.15 | 188  | 231942   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.31 | 240  | 246350   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.75 | 264  | 251854   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.39  | 112 | 3016  | 0.36 | ng | 0.00 |
| 5) Phenol-d6                | 6.95  | 99  | 3751  | 0.33 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 3436  | 0.34 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol    | 15.90 | 330 | 895   | 0.42 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.03 | 172 | 10255 | 0.40 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.76 | 244 | 14859 | 0.39 | ng | 0.00 |

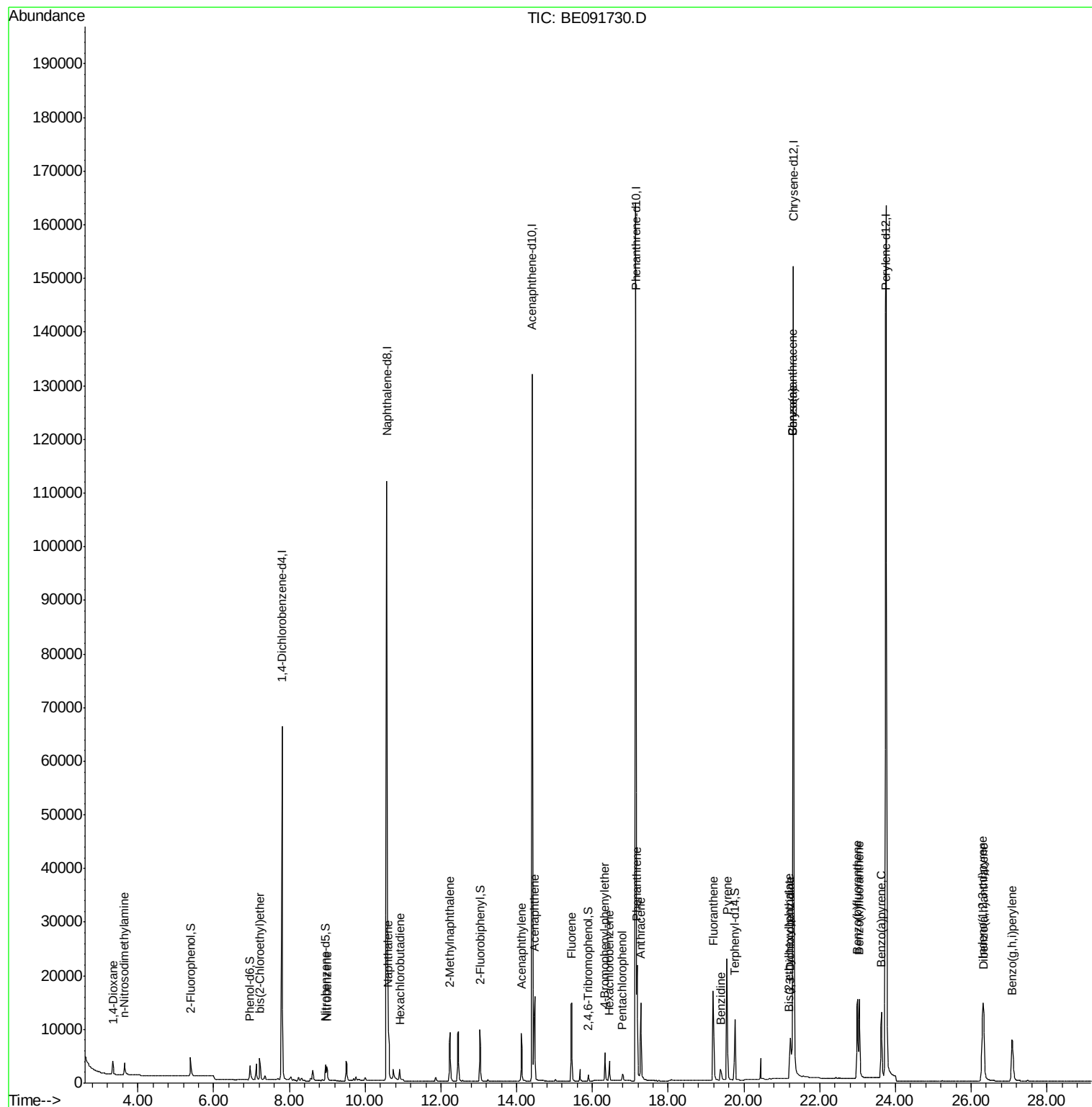
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.35  | 88  | 1889  | 0.38   | ng | 93   |
| 3) n-Nitrosodimethylamine      | 3.64  | 42  | 2198  | 0.35   | ng | 91   |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93  | 3780  | 0.38   | ng | # 77 |
| 9) Nitrobenzene                | 8.99  | 77  | 3467  | 0.33   | ng | 95   |
| 10) Naphthalene                | 10.61 | 128 | 12830 | 0.40   | ng | 96   |
| 11) Hexachlorobutadiene        | 10.92 | 225 | 2440  | 0.52   | ng | 89   |
| 12) 2-Methylnaphthalene        | 12.24 | 142 | 7888  | 0.39   | ng | 96   |
| 16) Acenaphthylene             | 14.12 | 152 | 13483 | 0.39   | ng | # 74 |
| 17) Acenaphthene               | 14.47 | 154 | 8757  | 0.39   | ng | 86   |
| 18) Fluorene                   | 15.46 | 166 | 11077 | 0.39   | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248 | 3200  | 0.38   | ng | 96   |
| 21) Hexachlorobenzene          | 16.45 | 284 | 3353  | 0.40   | ng | 97   |
| 22) Pentachlorophenol          | 16.79 | 266 | 1051  | 0.33   | ng | 93   |
| 23) Phenanthrene               | 17.18 | 178 | 21666 | 0.41   | ng | 100  |
| 24) Anthracene                 | 17.28 | 178 | 17922 | 0.38   | ng | 99   |
| 25) Fluoranthene               | 19.19 | 202 | 20870 | 0.38   | ng | 97   |
| 27) Benzidine                  | 19.38 | 184 | 4872  | 0.40   | ng | # 81 |
| 28) Pyrene                     | 19.55 | 202 | 23535 | 0.42   | ng | 100  |
| 30) Benzo(a)anthracene         | 21.29 | 228 | 23018 | 0.38   | ng | 93   |
| 31) 3,3'-Dichlorobenzidine     | 21.22 | 252 | 10151 | 0.33   | ng | # 84 |
| 32) Chrysene                   | 21.29 | 228 | 23006 | 0.37   | ng | # 90 |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 5798  | 0.32   | ng | # 87 |
| 34) Indeno(1,2,3-cd)pyrene     | 26.31 | 276 | 24038 | 0.43   | ng | 97   |
| 36) Benzo(b)fluoranthene       | 23.00 | 252 | 23861 | 0.40   | ng | 95   |
| 37) Benzo(k)fluoranthene       | 23.04 | 252 | 21293 | 0.35   | ng | 98   |
| 38) Benzo(a)pyrene             | 23.63 | 252 | 19959 | 0.36   | ng | 98   |
| 39) Dibenzo(a,h)anthracene     | 26.33 | 278 | 19727 | 0.37   | ng | 96   |
| 40) Benzo(g,h,i)perylene       | 27.08 | 276 | 19814 | 0.37   | ng | 97   |

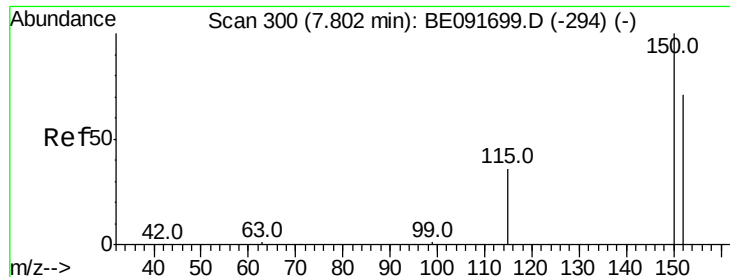
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\  
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Misc : L00 2 PPM  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_E  
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SSTDCCC0.4EC

Quant Time: Apr 28 03:13:42 2016  
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QLast Update : Tue Apr 26 16:09:46 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

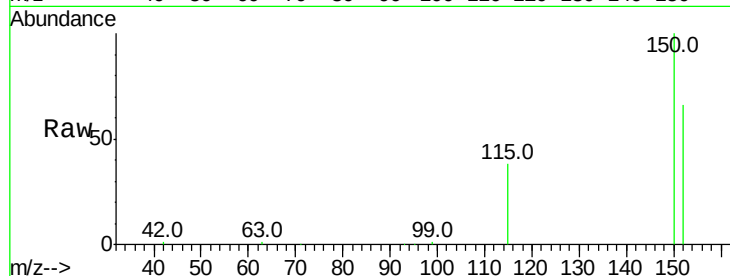
Tot Ion:152 Resp: 34544

Ion Ratio Lower Upper

152 100

150 150.6 122.6 183.8

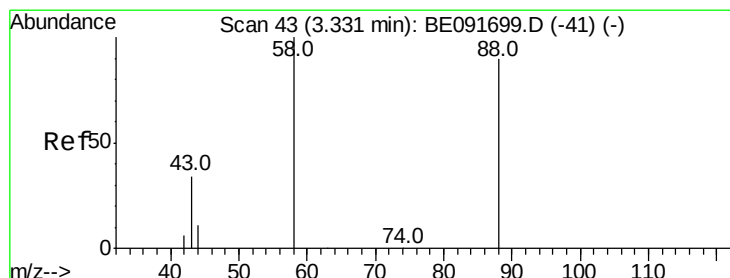
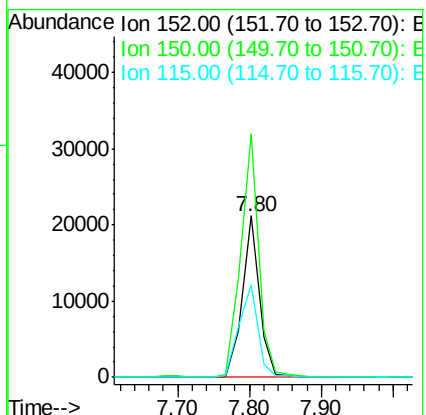
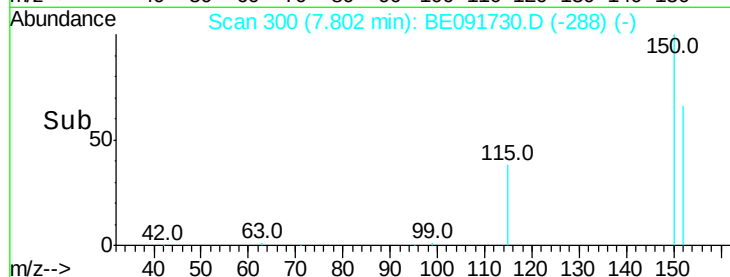
115 56.9 52.8 79.2



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: 0.38 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

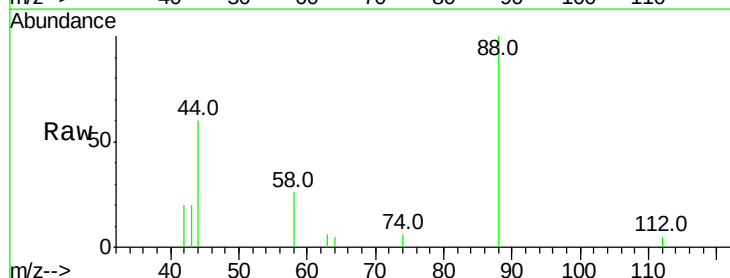
Tgt Ion: 88 Resp: 1889

Ion Ratio Lower Upper

88 100

58 76.8 65.8 98.6

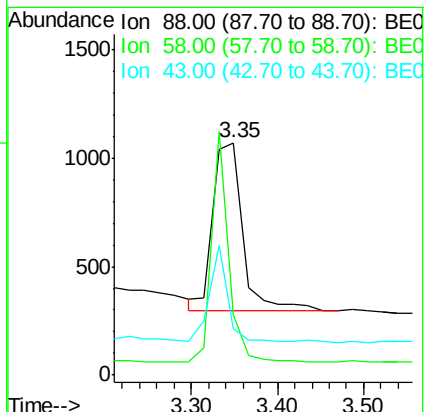
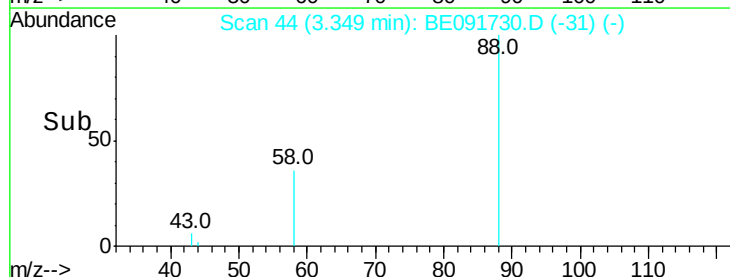
43 36.2 25.3 37.9

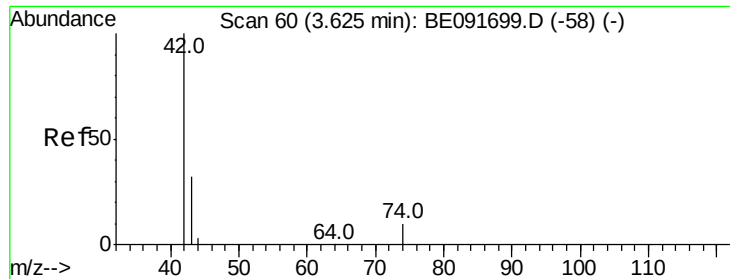


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.35 ng

RT: 3.64 min Scan# 61

Delta R.T. 0.02 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

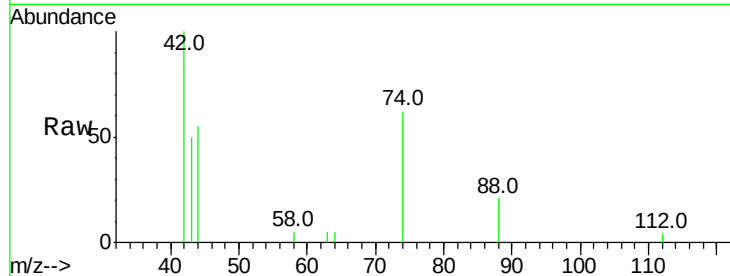
Tot Ion: 42 Resp: 2198

Ion Ratio Lower Upper

42 100

74 99.5 87.9 131.9

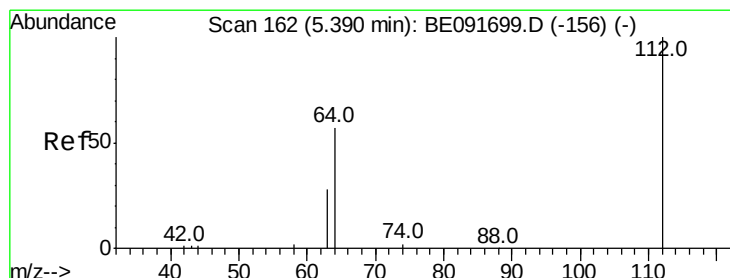
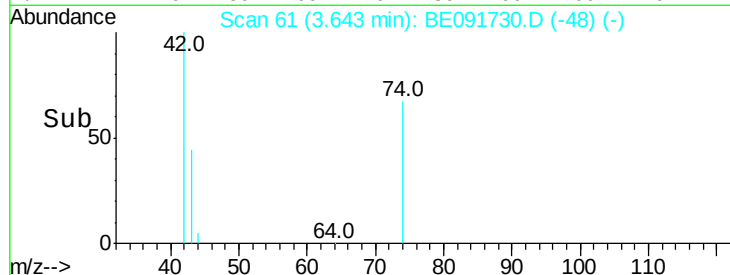
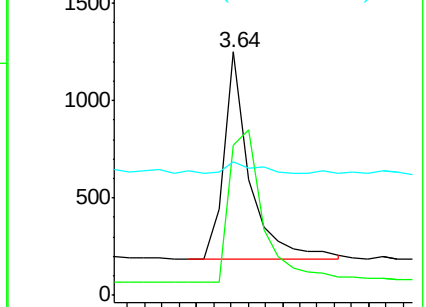
44 6.9 6.6 9.8



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: 0.36 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

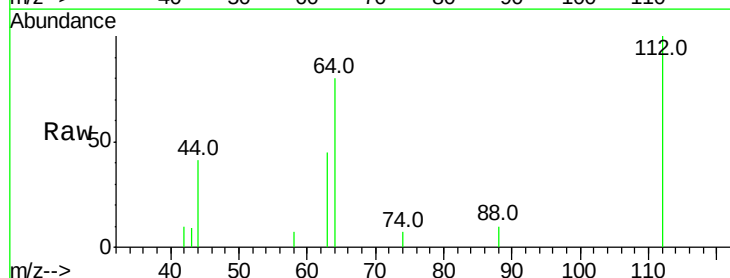
Tgt Ion: 112 Resp: 3016

Ion Ratio Lower Upper

112 100

64 67.1 30.9 46.3#

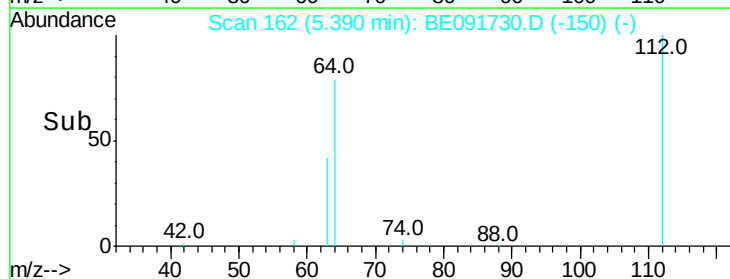
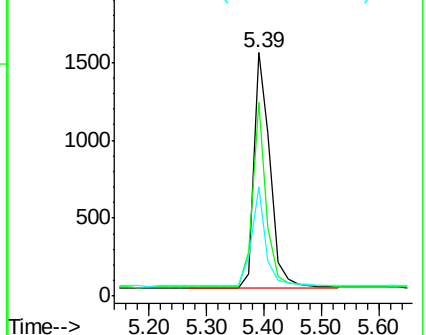
63 37.1 16.7 25.1#

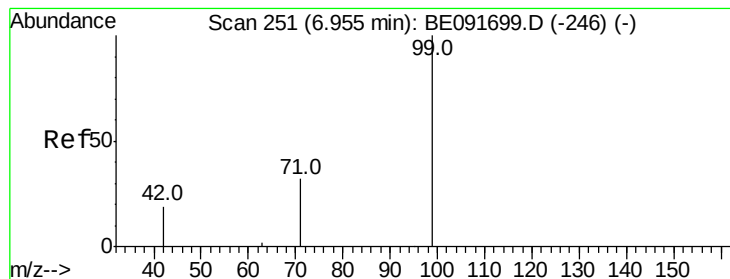


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.33 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

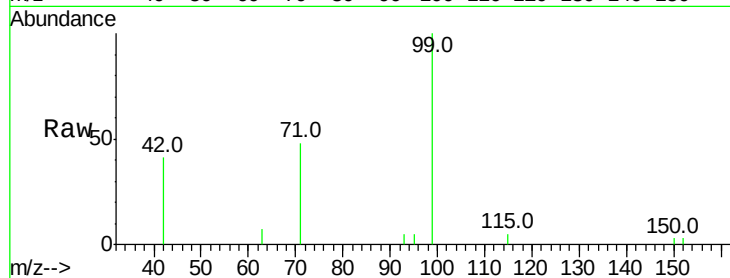
Tot Ion: 99 Resp: 3751

Ion Ratio Lower Upper

99 100

42 26.7 16.2 24.2#

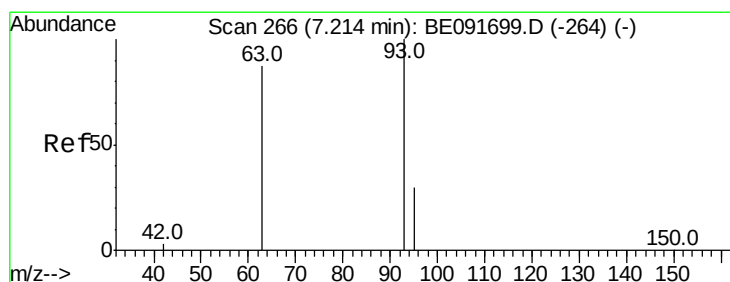
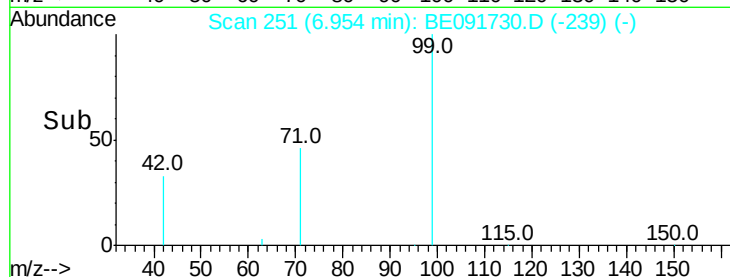
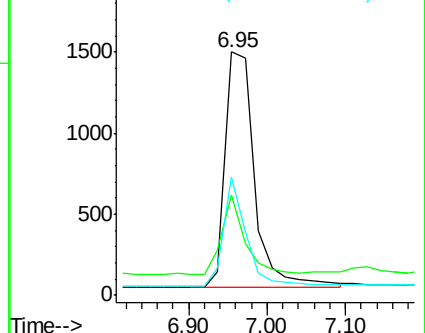
71 35.1 29.0 43.4



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: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

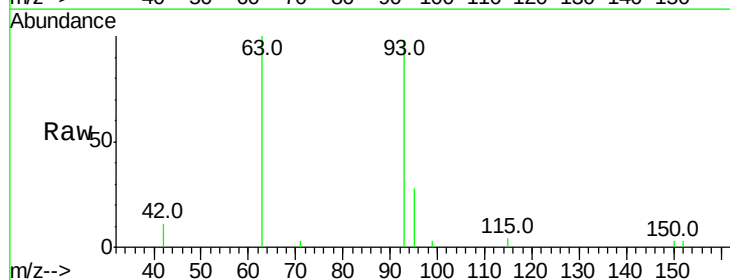
Tgt Ion: 93 Resp: 3780

Ion Ratio Lower Upper

93 100

63 84.3 49.5 74.3#

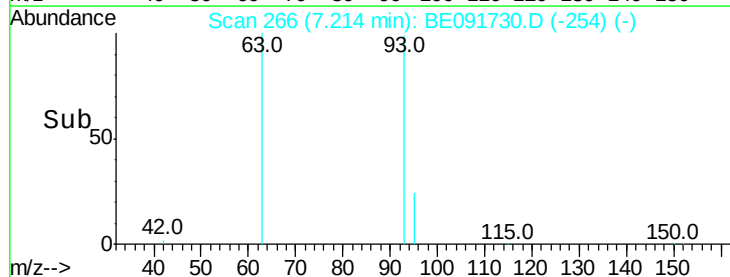
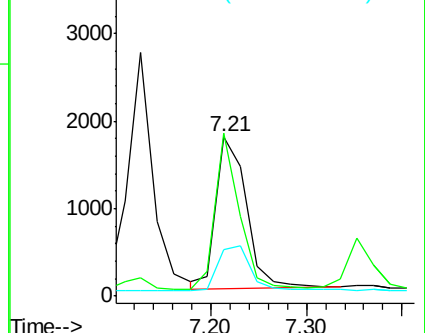
95 32.8 22.2 33.4

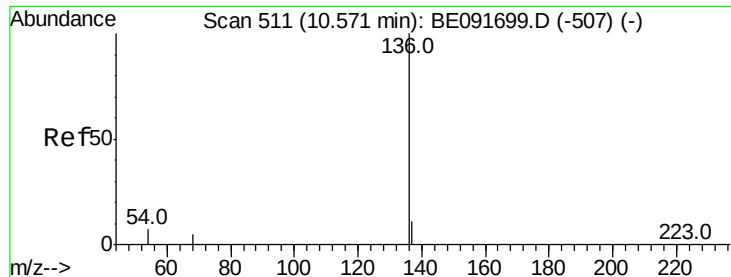


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 157397

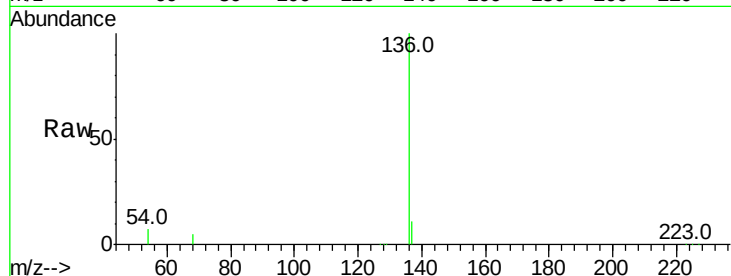
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 8.2 12.4#

68 5.2 6.2 9.4#

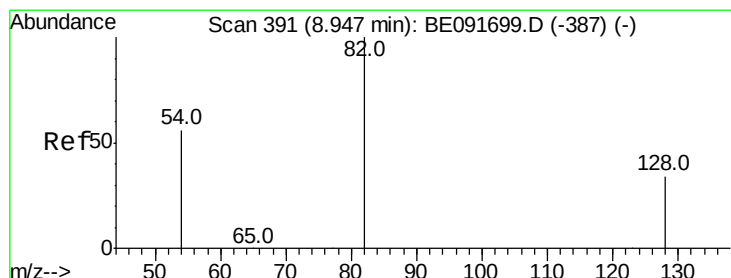
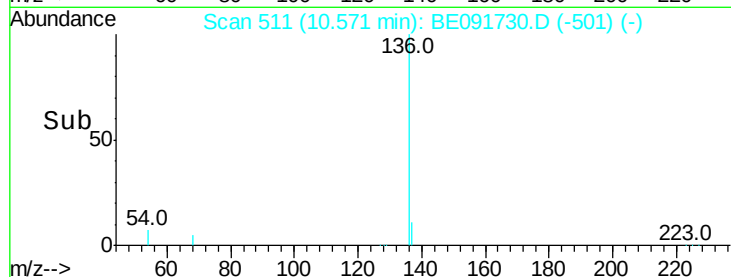
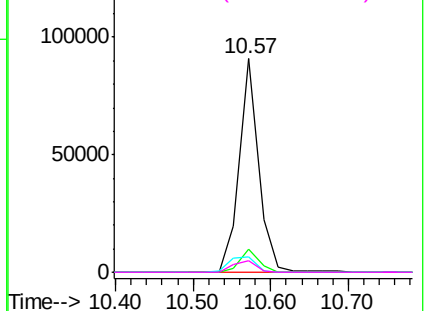


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.34 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.01 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

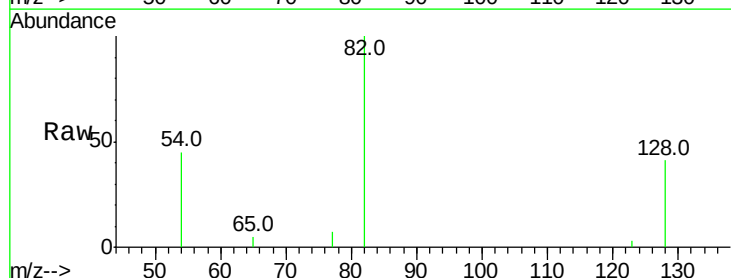
Tgt Ion: 82 Resp: 3436

Ion Ratio Lower Upper

82 100

128 41.1 25.4 38.0#

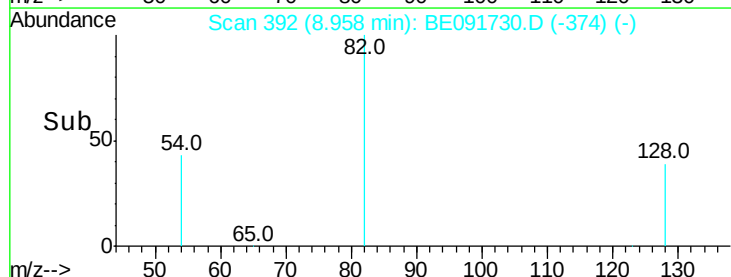
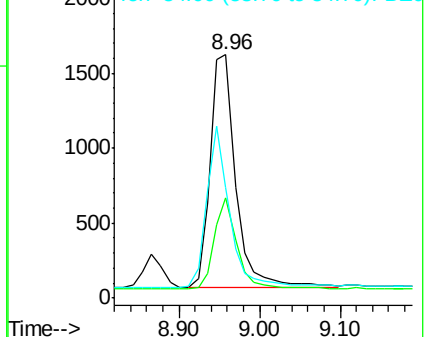
54 45.4 48.4 72.6#

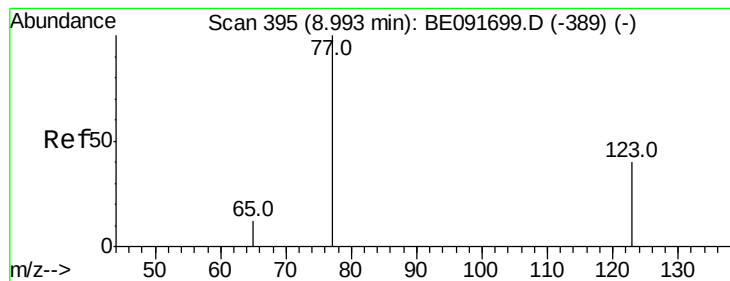


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.33 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

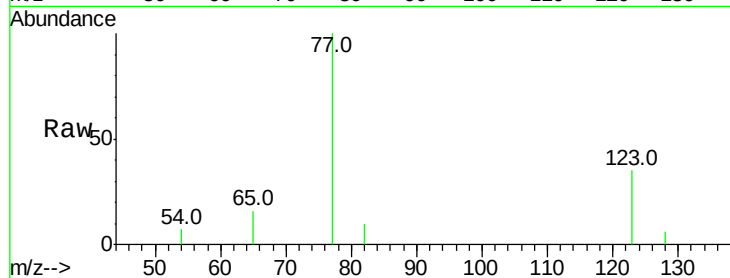
Tot Ion: 77 Resp: 3467

Ion Ratio Lower Upper

77 100

123 36.3 26.9 40.3

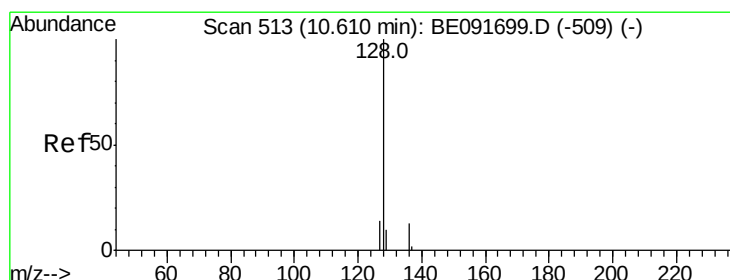
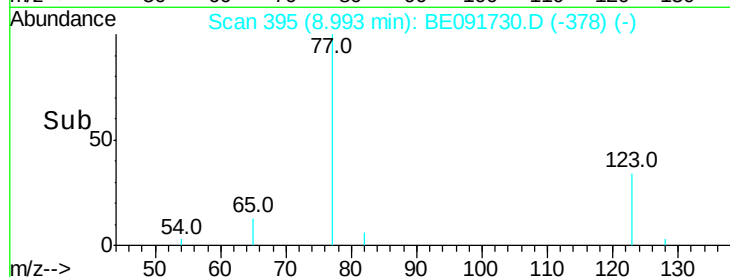
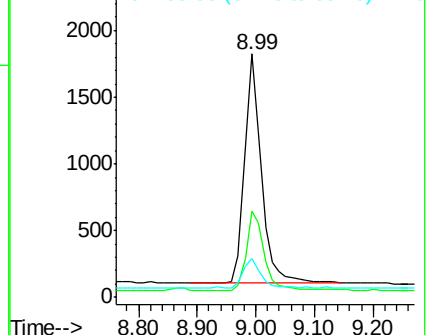
65 14.0 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091699.D (-389) (-)

Ion 123.00 (122.70 to 123.70): BE091699.D (-389) (-)

Ion 65.00 (64.70 to 65.70): BE091699.D (-389) (-)



#10

Naphthalene

Concen: 0.40 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

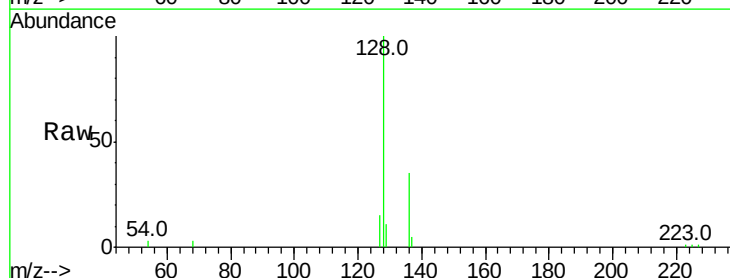
Tgt Ion: 128 Resp: 12830

Ion Ratio Lower Upper

128 100

129 10.8 9.3 13.9

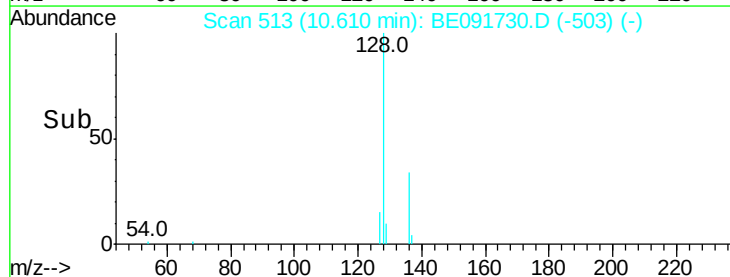
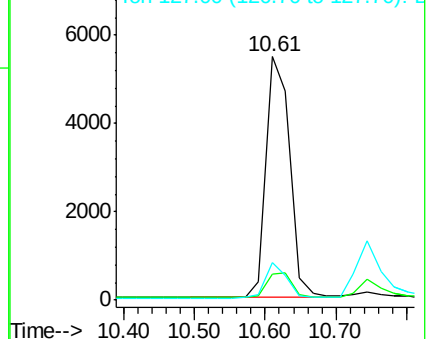
127 15.3 10.7 16.1

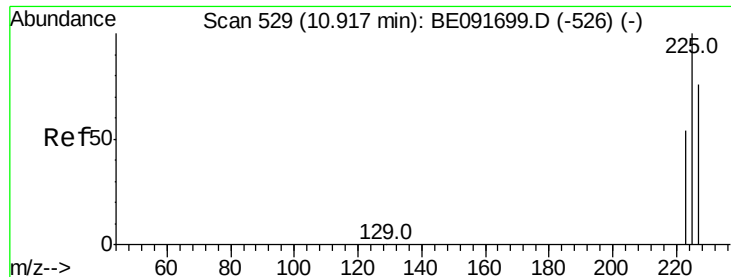


Abundance Ion 128.00 (127.70 to 128.70): BE091699.D (-509) (-)

Ion 129.00 (128.70 to 129.70): BE091699.D (-509) (-)

Ion 127.00 (126.70 to 127.70): BE091699.D (-509) (-)

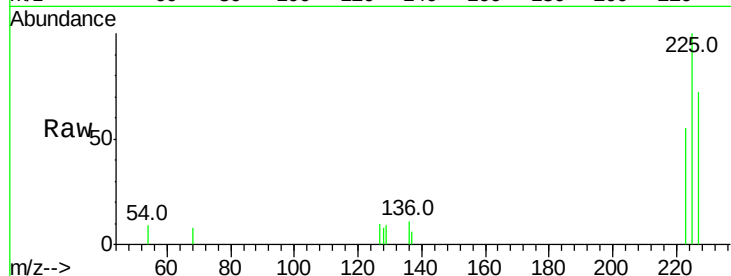




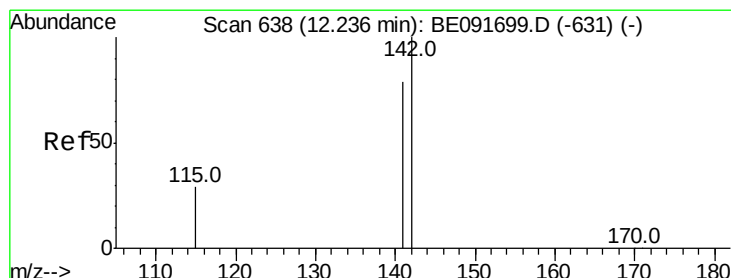
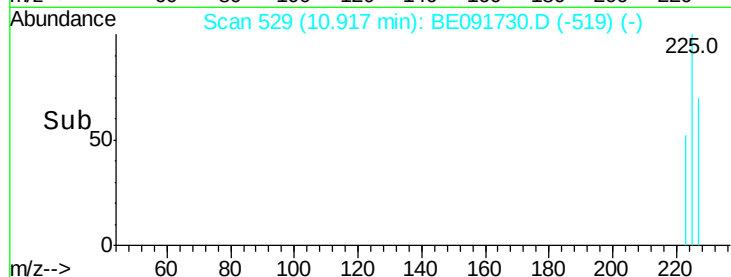
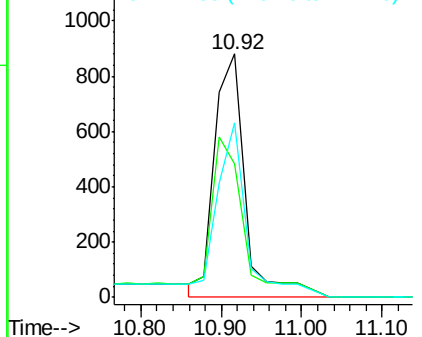
#11  
Hexachlorobutadiene  
Concen: 0.52 ng  
RT: 10.92 min Scan# 529  
Delta R.T. 0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:225 Resp: 2440  
Ion Ratio Lower Upper  
225 100  
223 70.1 49.0 73.6  
227 71.0 50.3 75.5

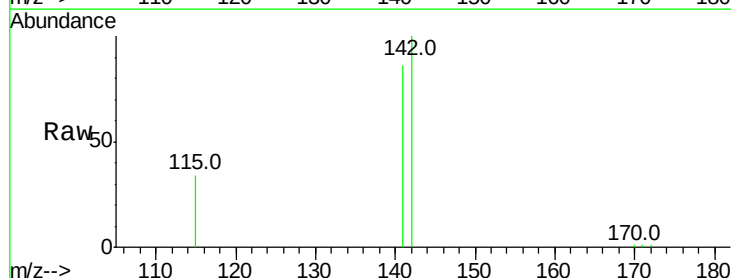


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

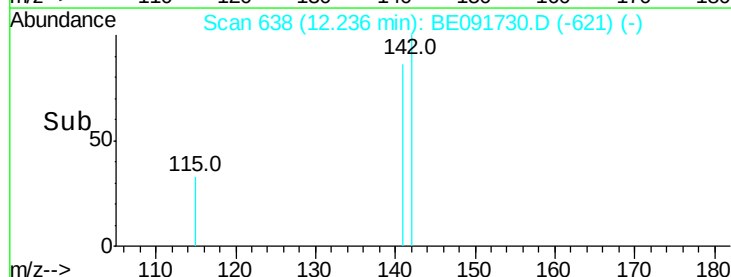
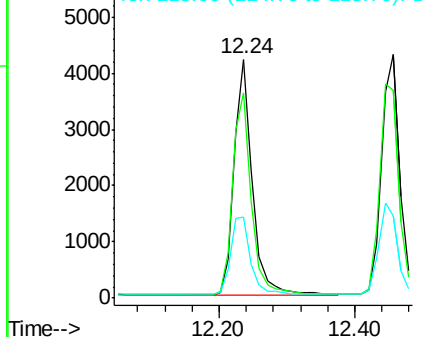


#12  
2-Methylnaphthalene  
Concen: 0.39 ng  
RT: 12.24 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

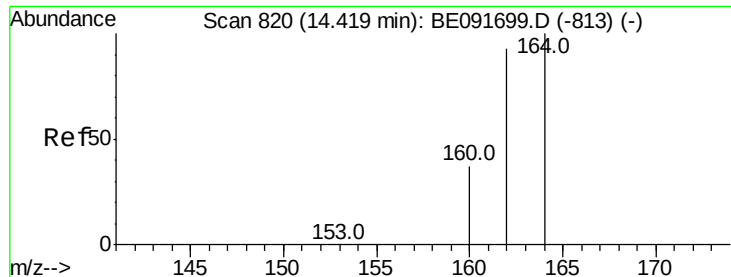
Tgt Ion:142 Resp: 7888  
Ion Ratio Lower Upper  
142 100  
141 86.0 71.4 107.0  
115 34.0 30.3 45.5



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: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

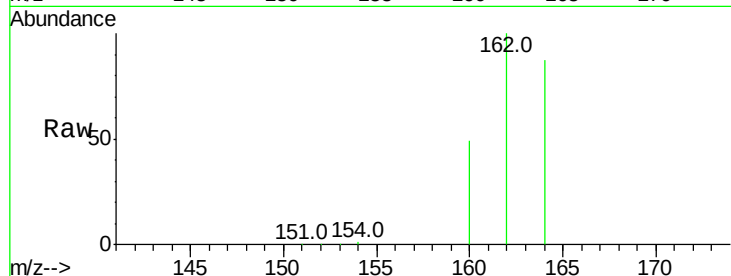
Tot Ion:164 Resp: 90490

Ion Ratio Lower Upper

164 100

162 115.6 85.3 127.9

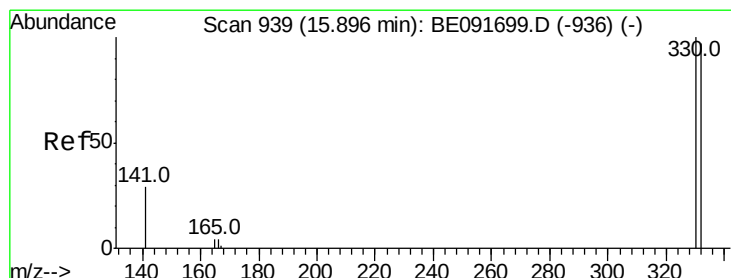
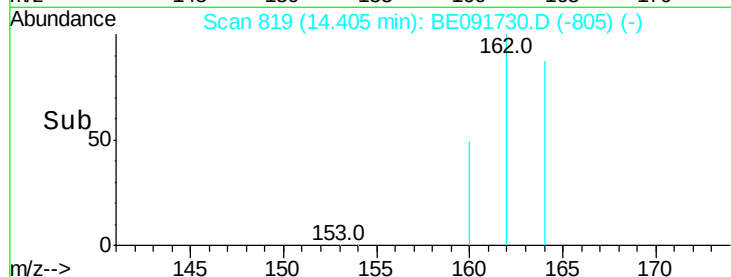
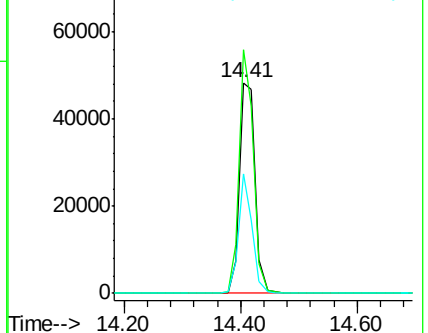
160 56.9 46.2 69.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.42 ng

RT: 15.90 min Scan# 939

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

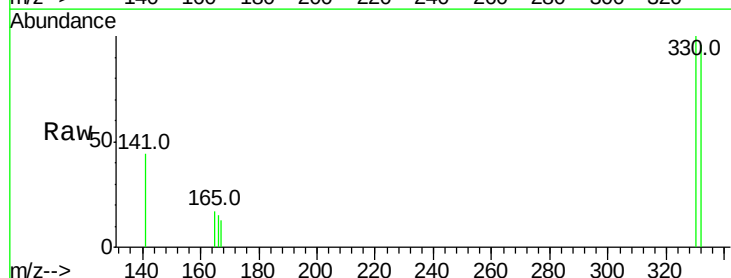
Tgt Ion:330 Resp: 895

Ion Ratio Lower Upper

330 100

332 95.6 79.1 118.7

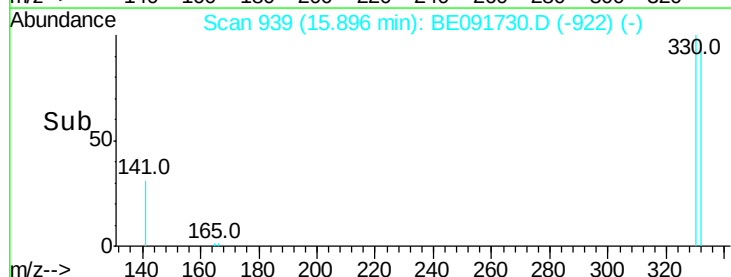
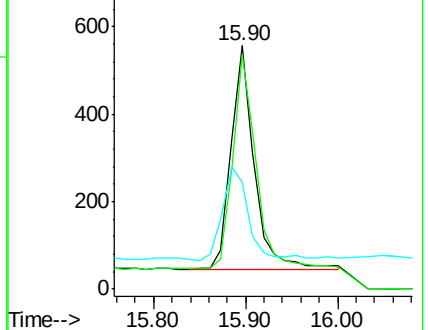
141 48.6 125.4 188.0#

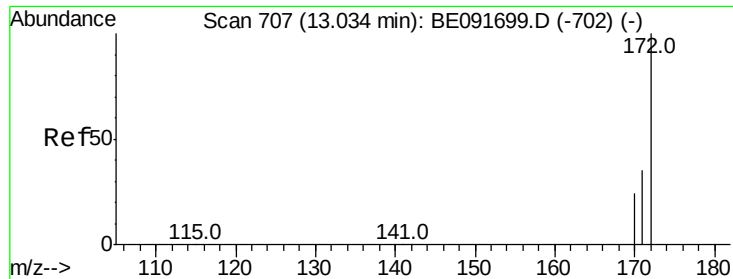


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

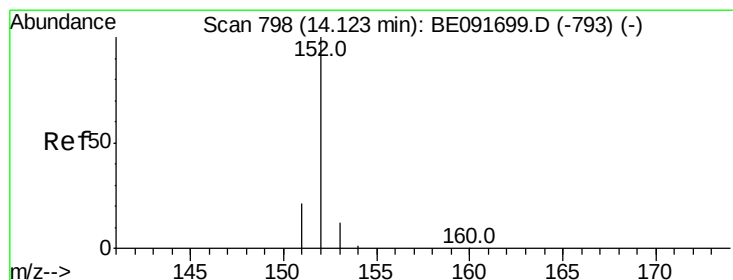
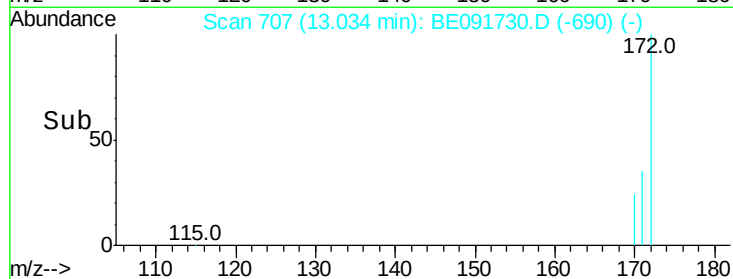
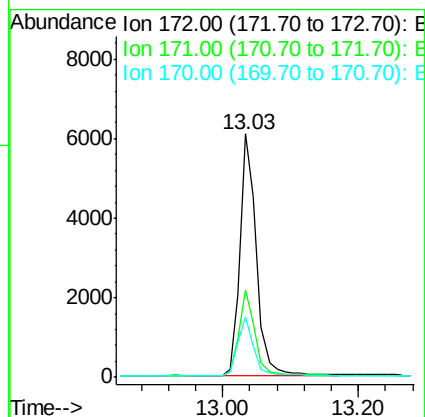
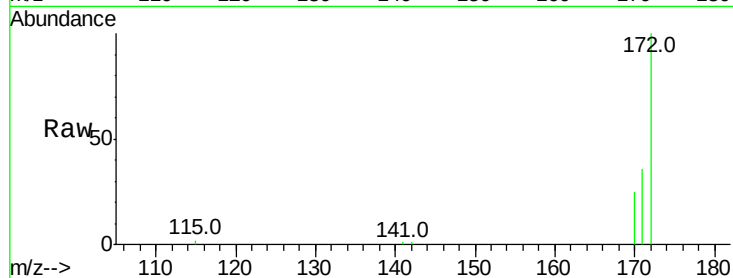




#15  
2-Fluorobiphenyl  
Concen: 0.40 ng  
RT: 13.03 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

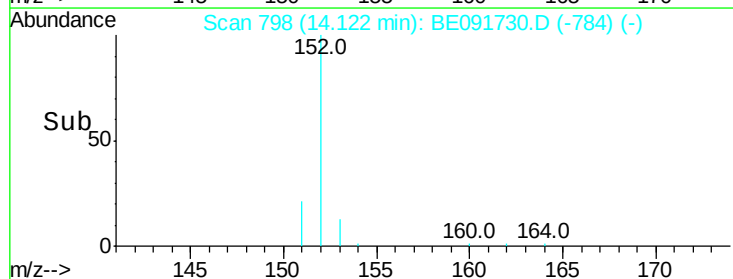
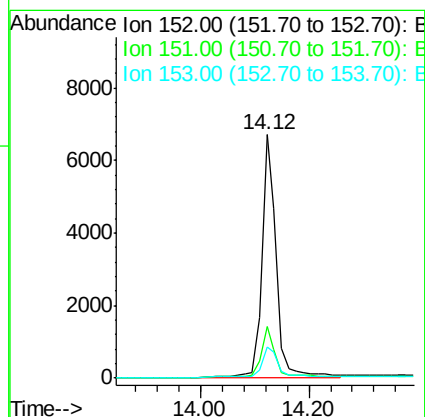
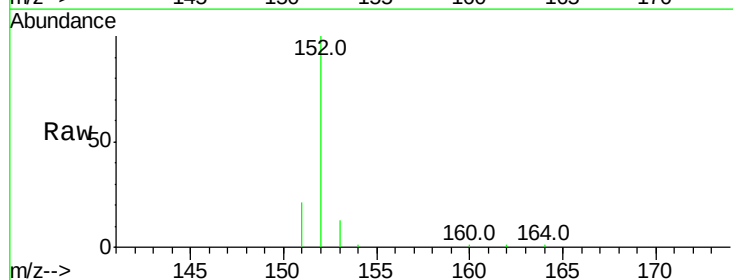
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

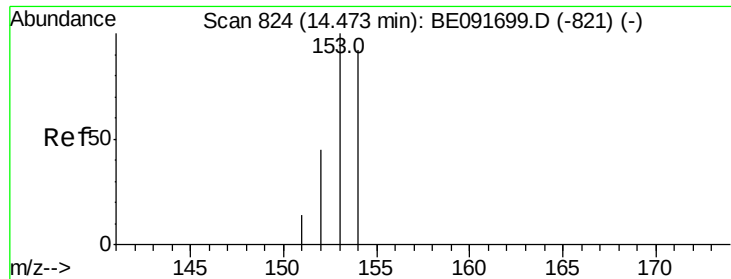
Tot Ion:172 Resp: 10255  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.8 43.2  
170 24.7 19.3 28.9



#16  
Acenaphthylene  
Concen: 0.39 ng  
RT: 14.12 min Scan# 798  
Delta R.T. -0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

Tgt Ion:152 Resp: 13483  
Ion Ratio Lower Upper  
152 100  
151 24.3 3.9 5.9#  
153 18.2 10.3 15.5#





#17

Acenaphthene

Concen: 0.39 ng

RT: 14.47 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

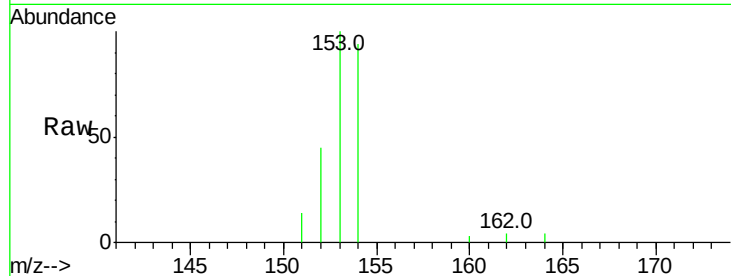
Tot Ion:154 Resp: 8757

Ion Ratio Lower Upper

154 100

153 116.3 80.0 120.0

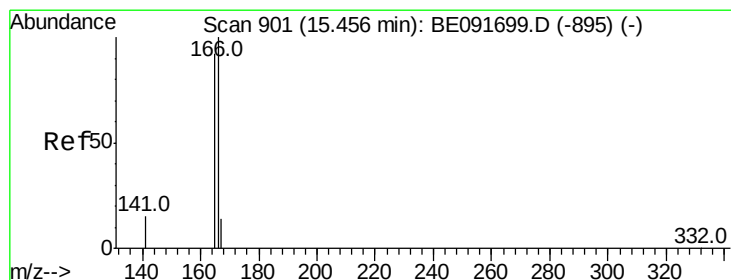
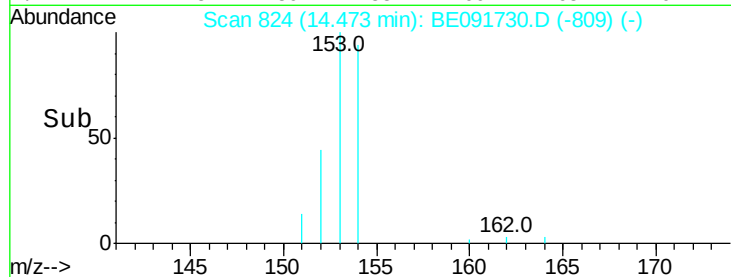
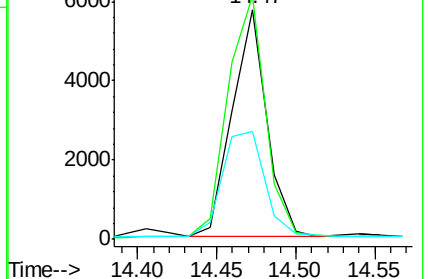
152 57.2 40.0 60.0



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



#18

Fluorene

Concen: 0.39 ng

RT: 15.46 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

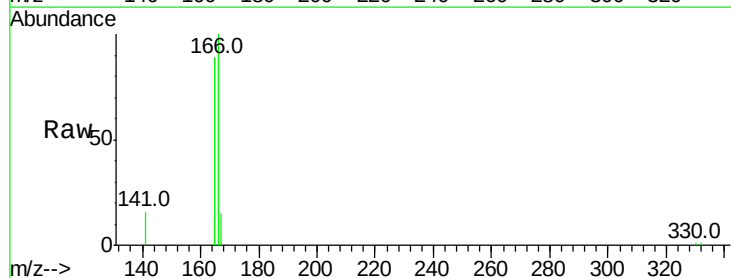
Tgt Ion:166 Resp: 11077

Ion Ratio Lower Upper

166 100

165 98.9 80.8 121.2

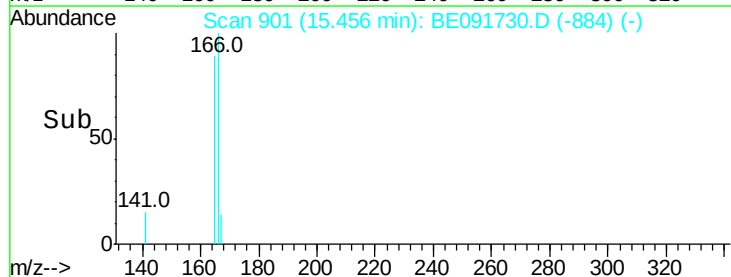
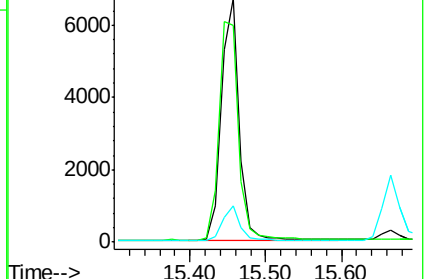
167 13.6 10.9 16.3

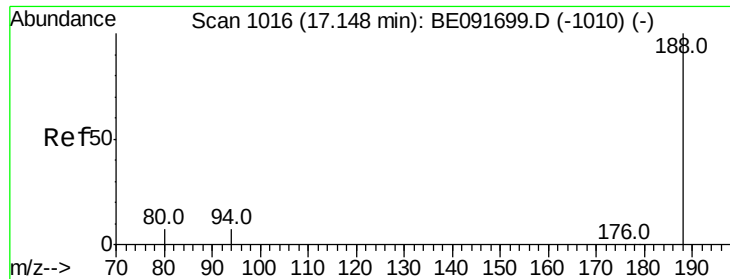


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

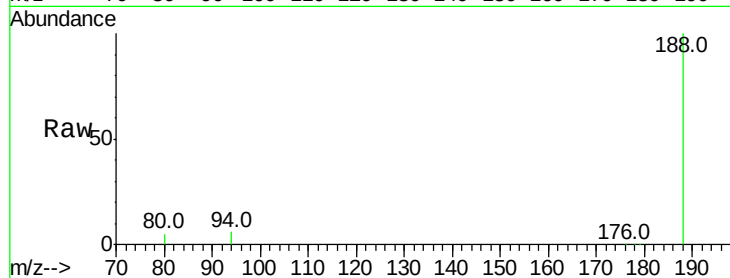
Tot Ion:188 Resp: 231942

Ion Ratio Lower Upper

188 100

94 5.8 8.7 13.1#

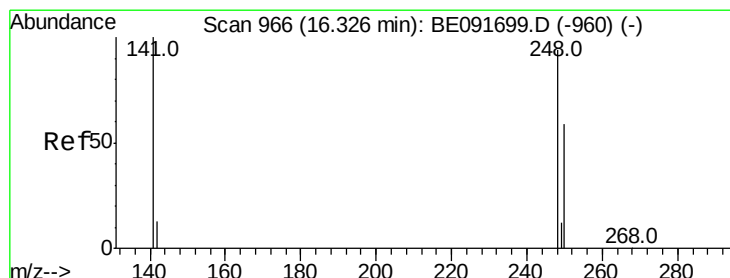
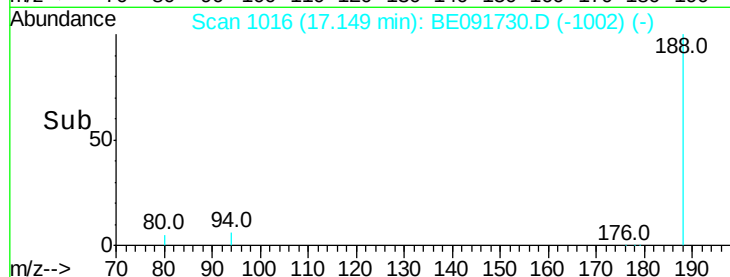
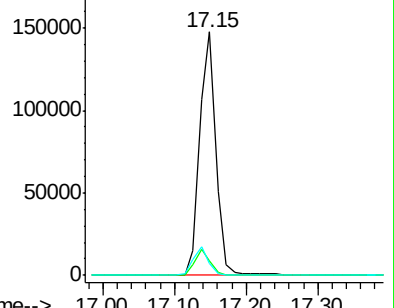
80 5.1 9.4 14.0#



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

4-Bromophenyl-phenylether

Concen: 0.38 ng

RT: 16.33 min Scan# 966

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

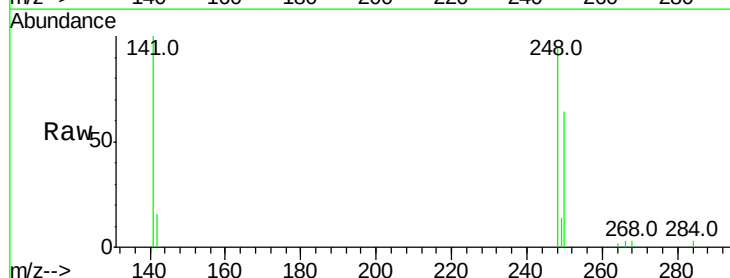
Tgt Ion:248 Resp: 3200

Ion Ratio Lower Upper

248 100

250 95.7 80.5 120.7

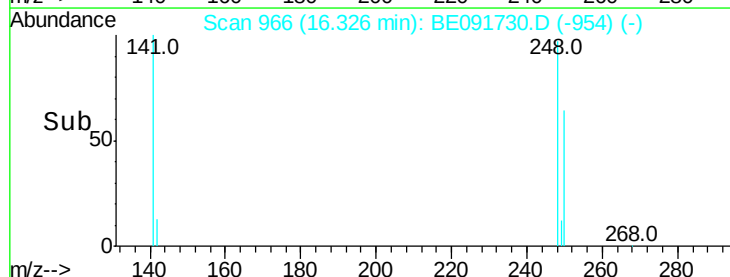
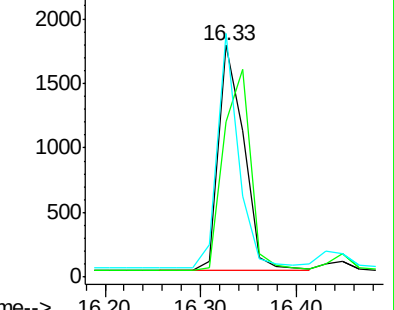
141 86.8 72.0 108.0

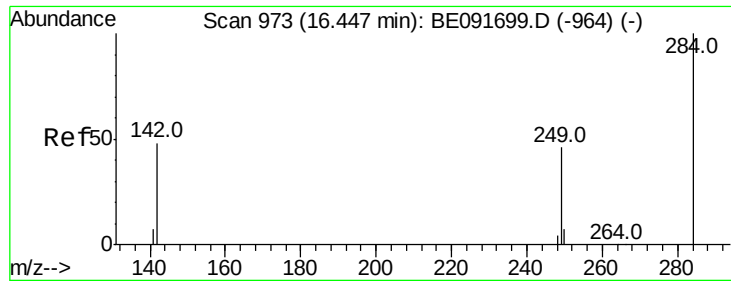


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

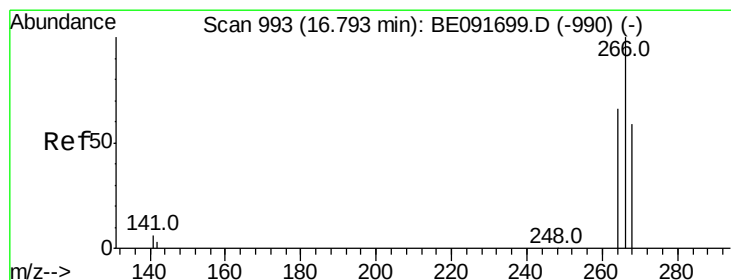
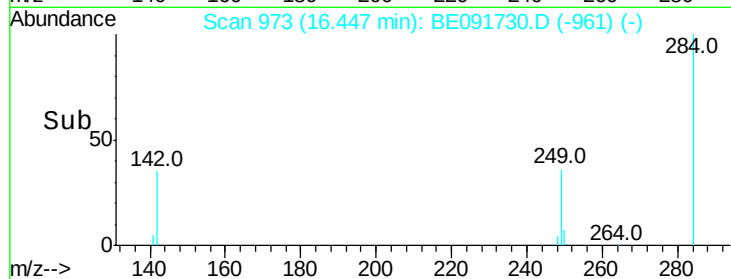
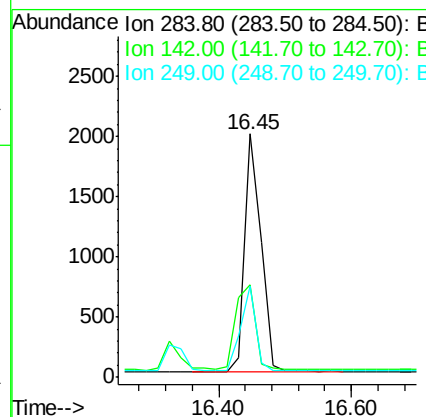
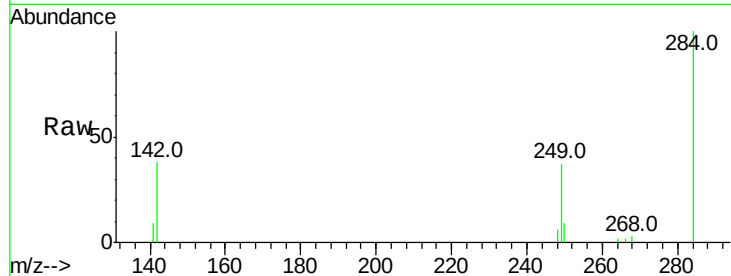




#21  
Hexachlorobenzene  
Concen: 0.40 ng  
RT: 16.45 min Scan# 973  
Delta R.T. 0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

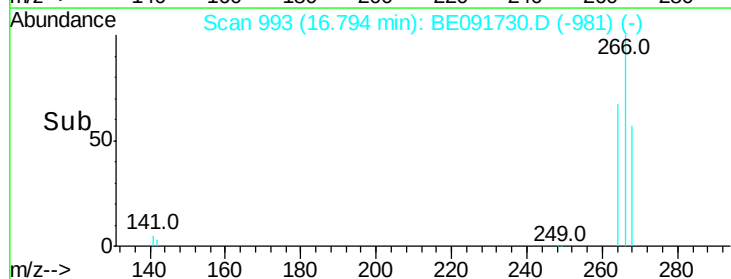
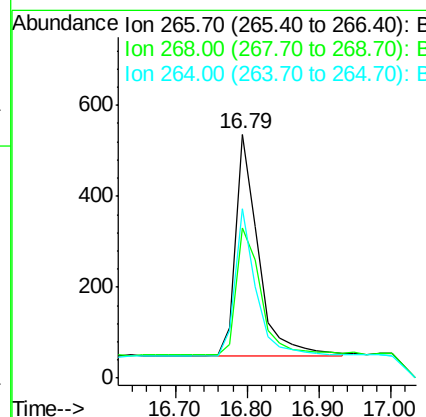
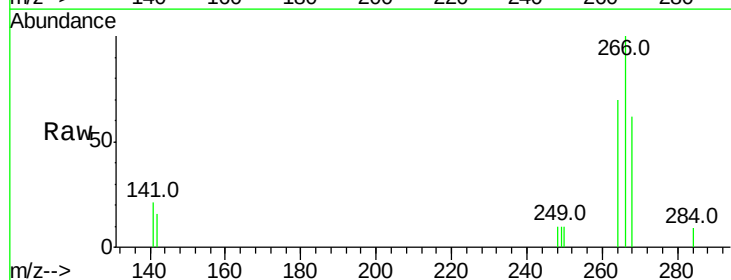
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

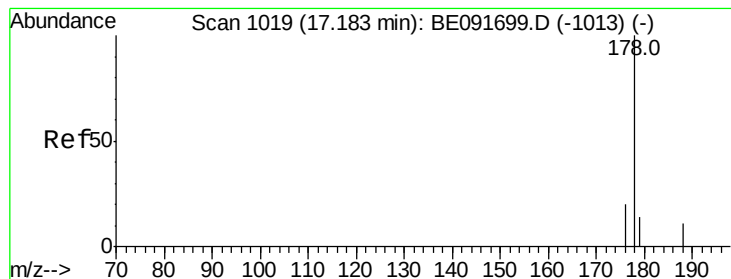
Tot Ion:284 Resp: 3353  
Ion Ratio Lower Upper  
284 100  
142 42.5 32.2 48.2  
249 33.2 25.4 38.2



#22  
Pentachlorophenol  
Concen: 0.33 ng  
RT: 16.79 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

Tgt Ion:266 Resp: 1051  
Ion Ratio Lower Upper  
266 100  
268 61.6 58.2 87.2  
264 69.6 56.2 84.4





#23

Phenanthrene

Concen: 0.41 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

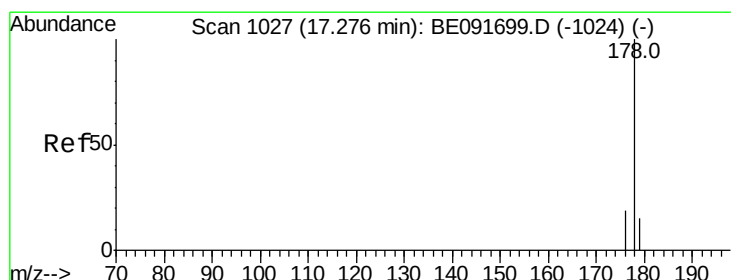
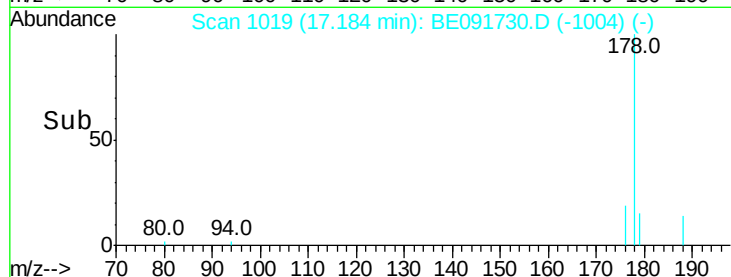
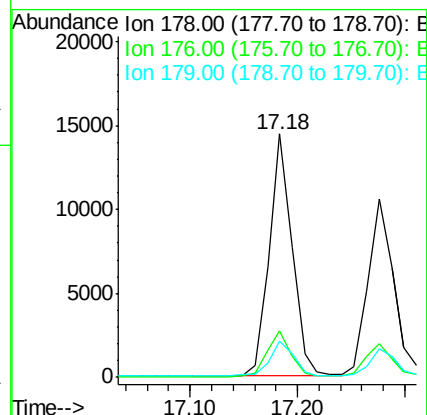
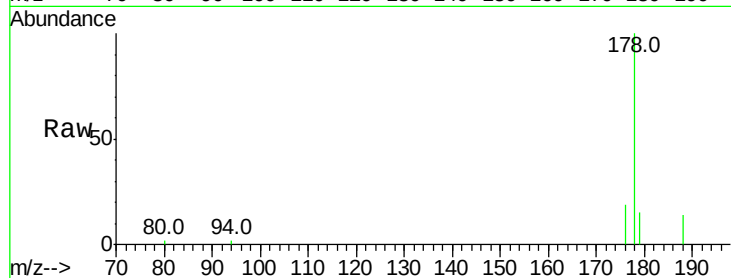
Tot Ion:178 Resp: 21666

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.7 12.6 18.8



#24

Anthracene

Concen: 0.38 ng

RT: 17.28 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

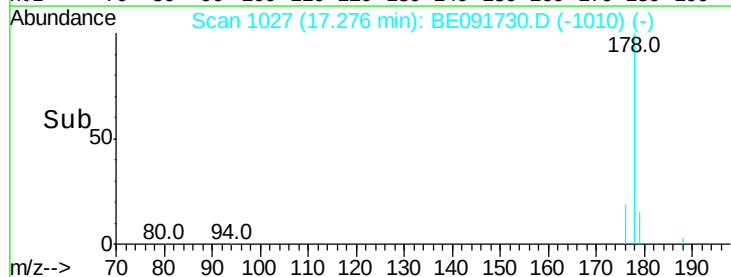
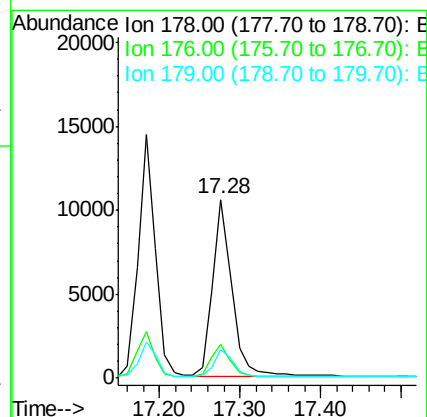
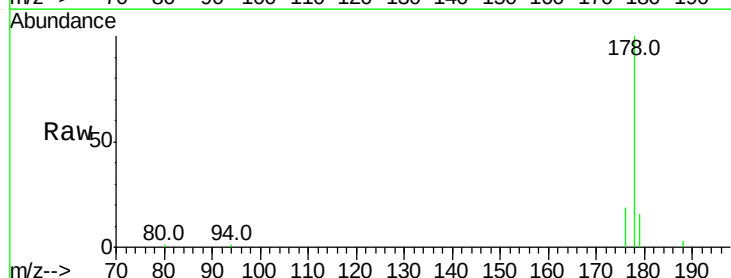
Tgt Ion:178 Resp: 17922

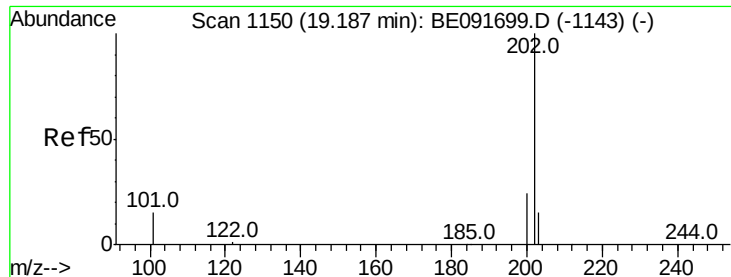
Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

179 15.2 11.8 17.6





#25

Fluoranthene

Concen: 0.38 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

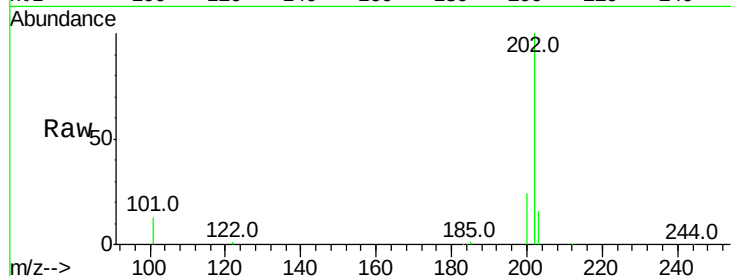
Tot Ion:202 Resp: 20870

Ion Ratio Lower Upper

202 100

101 11.5 11.0 16.6

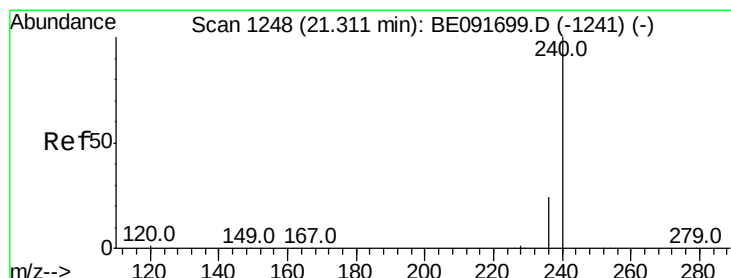
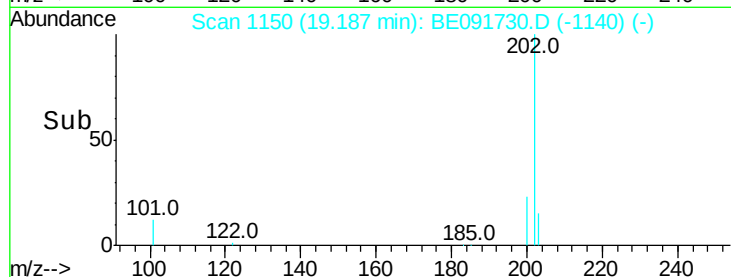
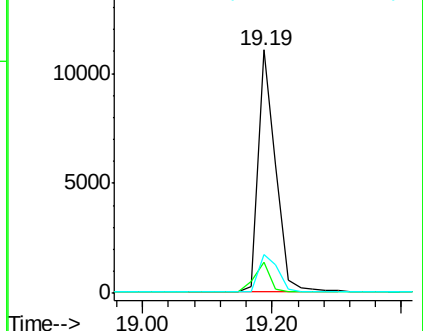
203 17.5 13.9 20.9



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: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

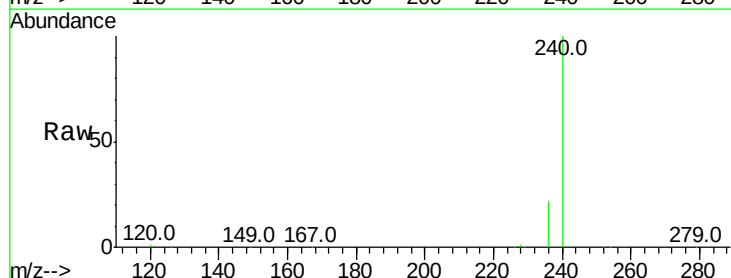
Tgt Ion:240 Resp: 246350

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

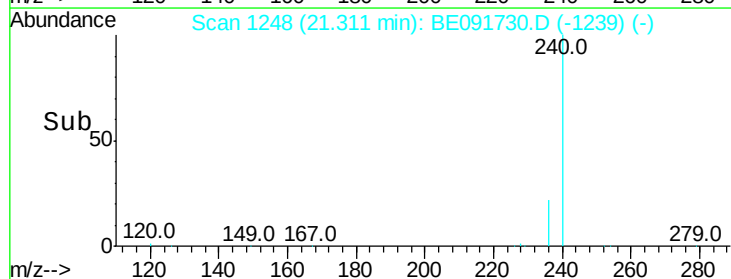
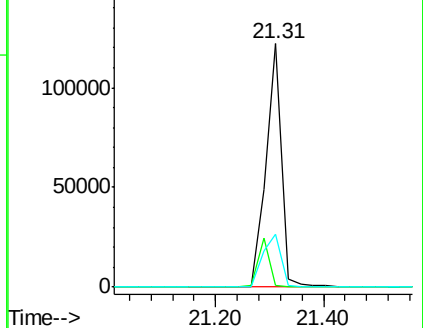
236 21.5 21.7 32.5#

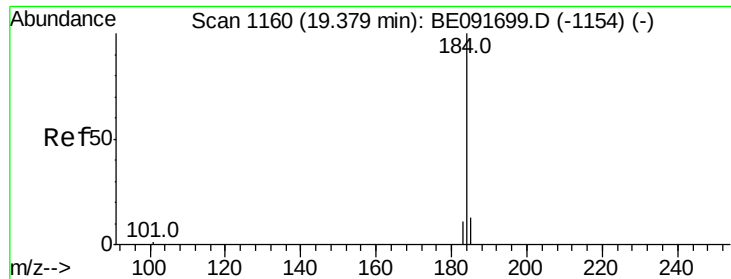


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

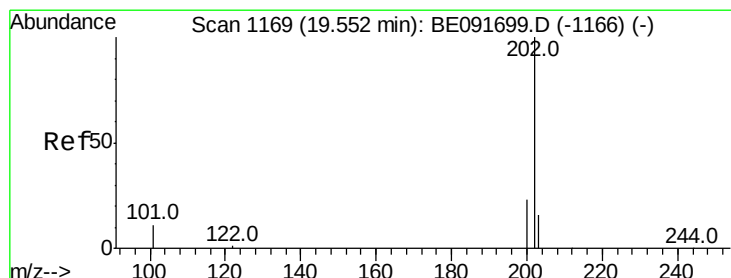
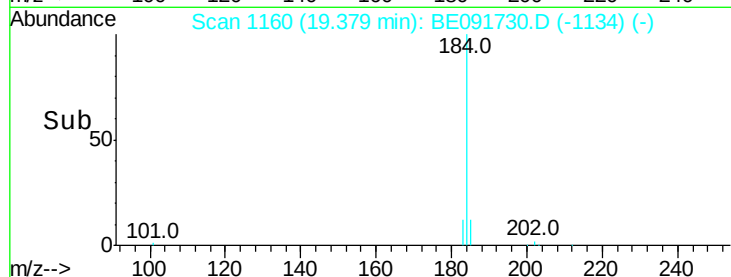
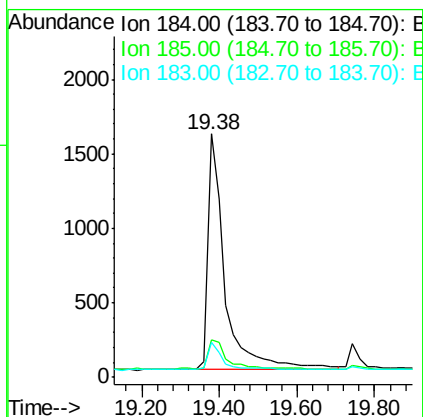
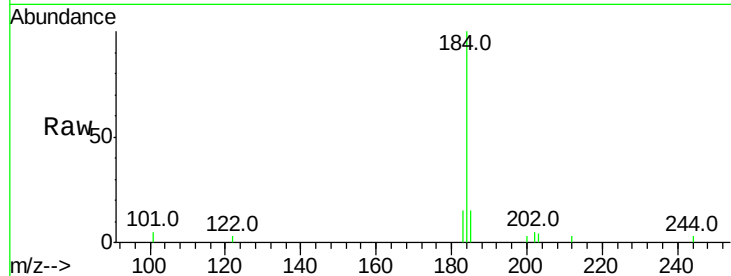




#27  
Benzidine  
Concen: 0.40 ng  
RT: 19.38 min Scan# 1160  
Delta R.T. 0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

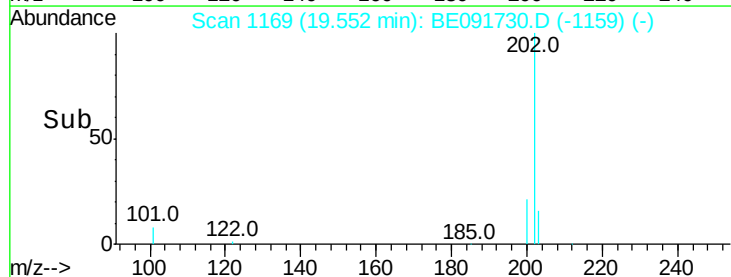
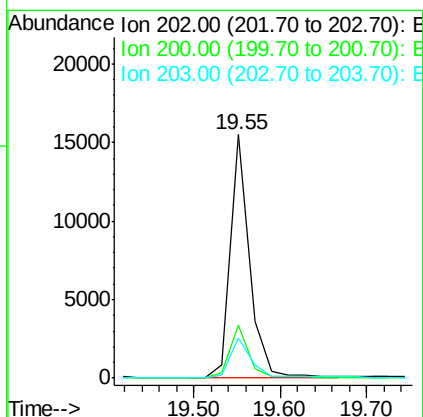
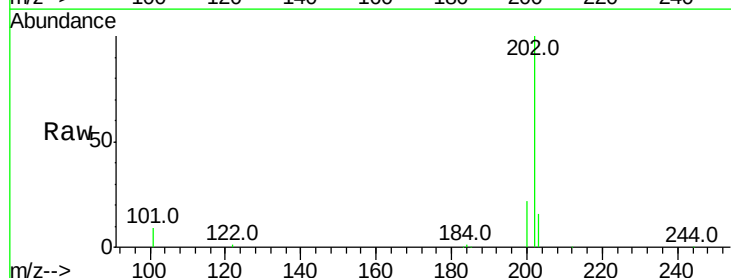
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:184 Resp: 4872  
Ion Ratio Lower Upper  
184 100  
185 15.2 22.3 33.5#  
183 14.6 16.4 24.6#

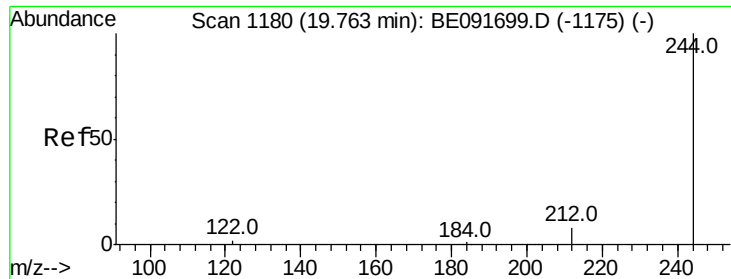


#28  
Pyrene  
Concen: 0.42 ng  
RT: 19.55 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

Tgt Ion:202 Resp: 23535  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.8 25.2  
203 17.2 14.0 21.0







#29

Terphenyl-d14

Concen: 0.39 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

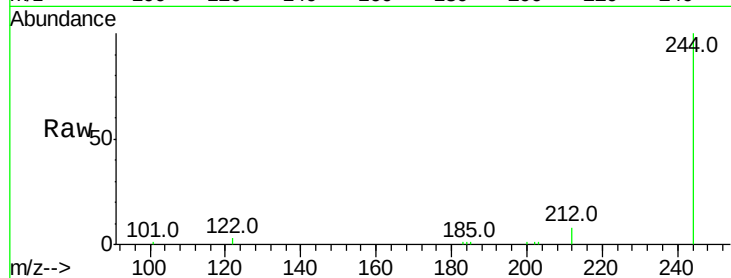
Tot Ion:244 Resp: 14859

Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

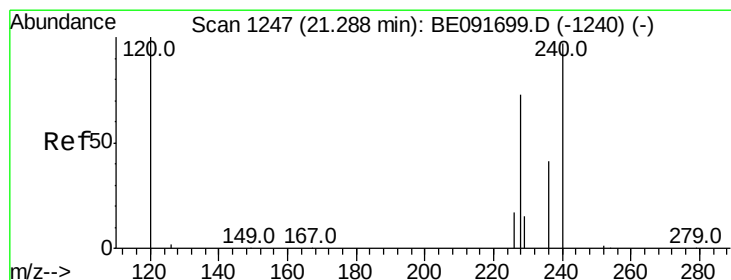
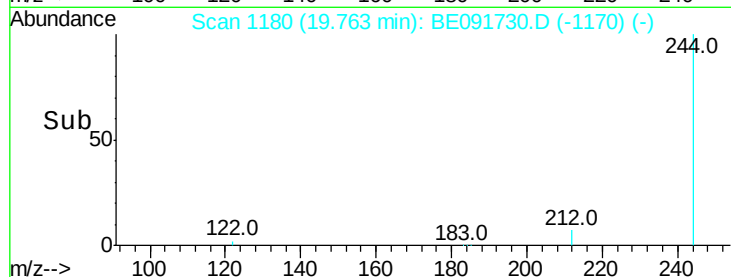
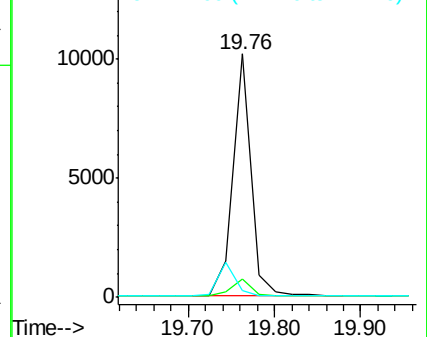
122 2.7 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.38 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

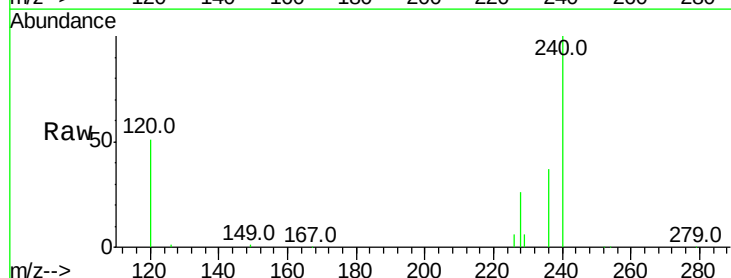
Tgt Ion:228 Resp: 23018

Ion Ratio Lower Upper

228 100

226 22.5 21.0 31.4

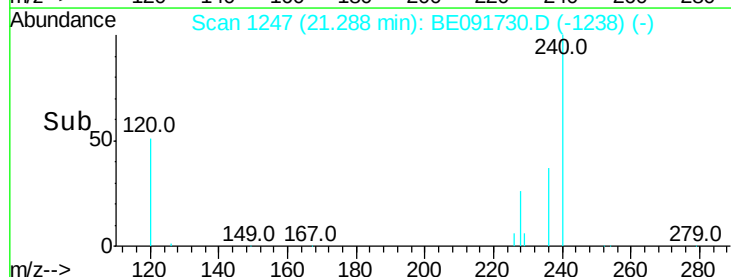
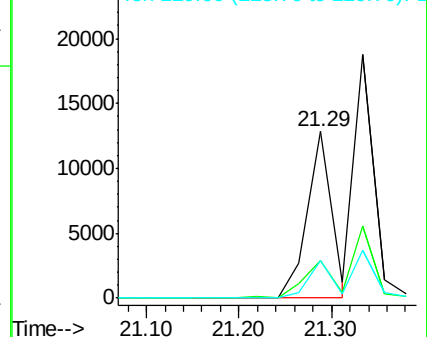
229 22.2 15.7 23.5

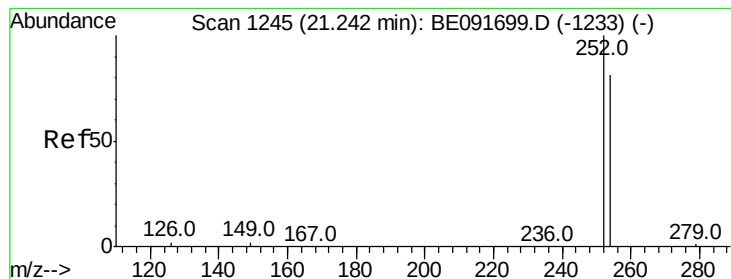


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.33 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

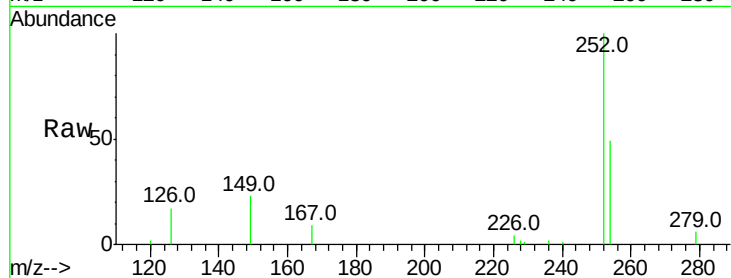
Tot Ion:252 Resp: 10151

Ion Ratio Lower Upper

252 100

254 49.4 51.1 76.7#

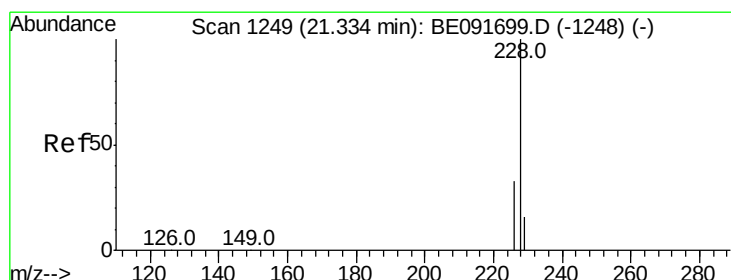
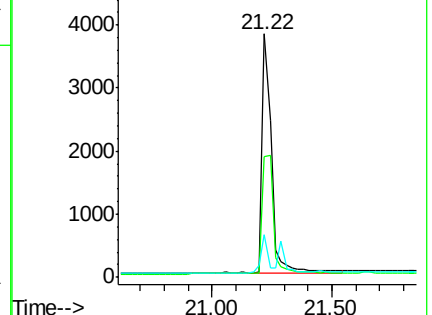
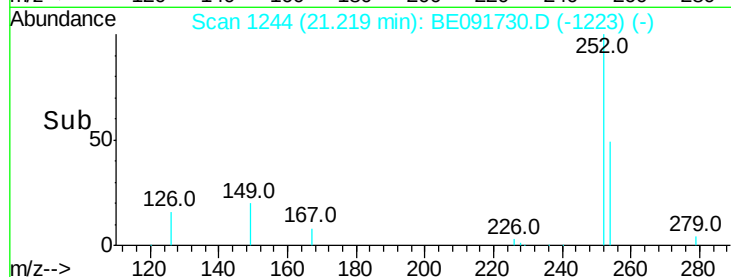
126 17.3 12.6 18.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 0.37 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

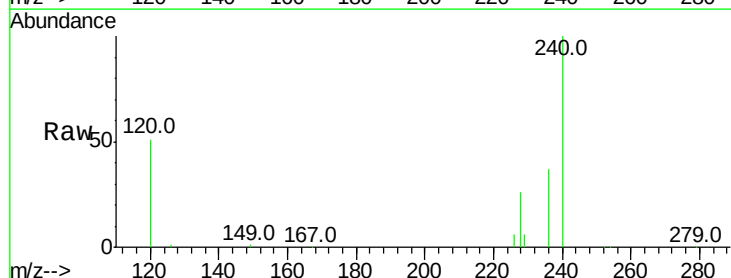
Tgt Ion:228 Resp: 23006

Ion Ratio Lower Upper

228 100

226 22.5 24.0 36.0#

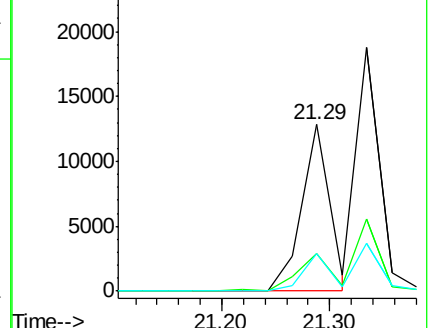
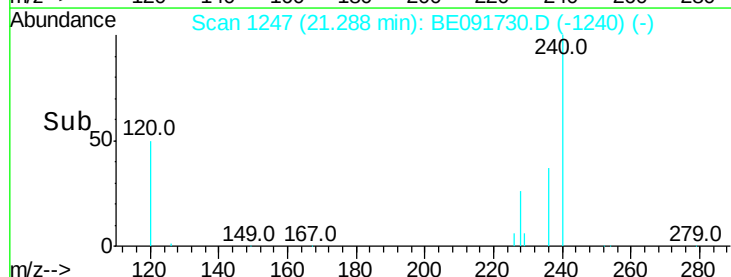
229 22.2 15.9 23.9

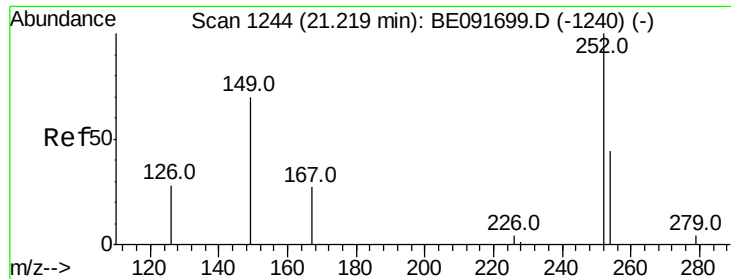


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.32 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

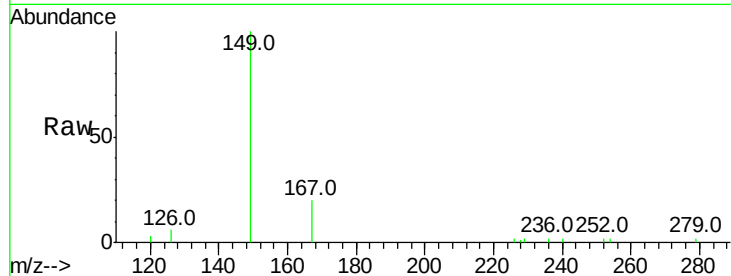
Tot Ion:149 Resp: 5798

Ion Ratio Lower Upper

149 100

167 22.7 19.5 29.3

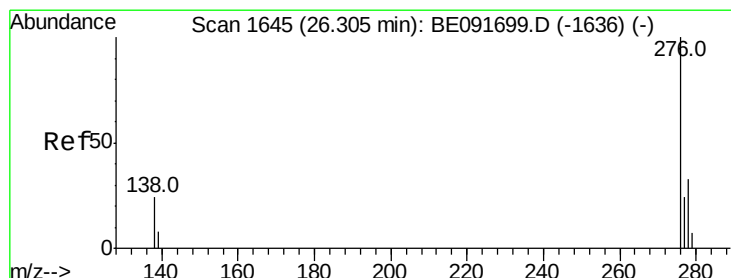
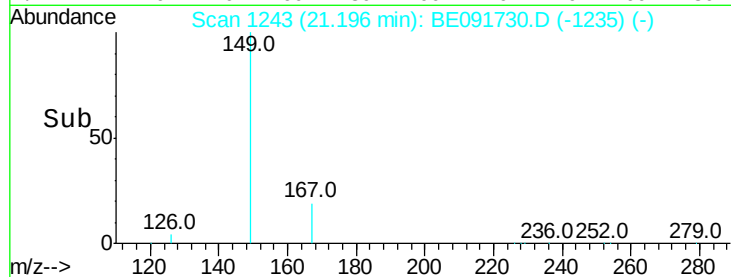
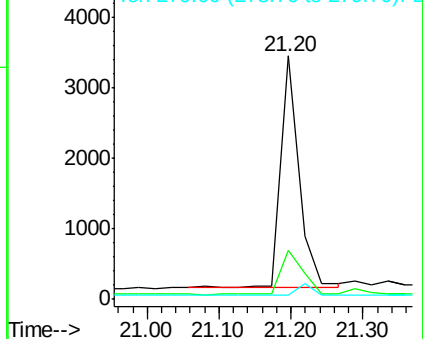
279 0.0 10.0 15.0#



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.43 ng

RT: 26.31 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

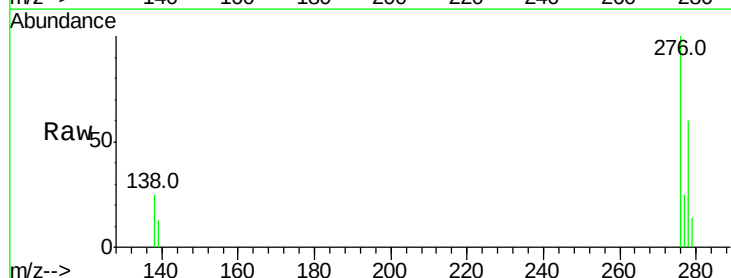
Tgt Ion:276 Resp: 24038

Ion Ratio Lower Upper

276 100

138 26.1 23.4 35.2

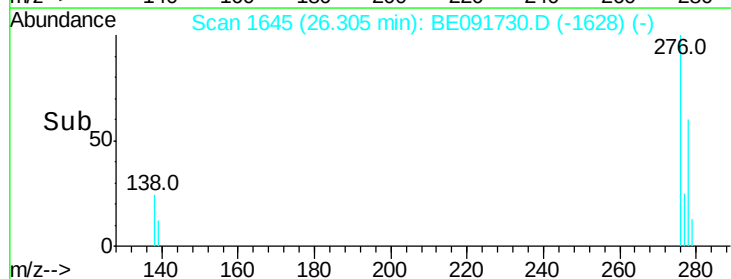
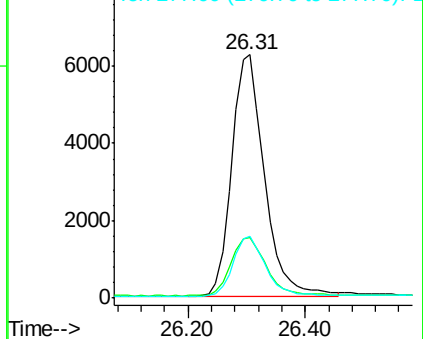
277 24.8 19.8 29.8

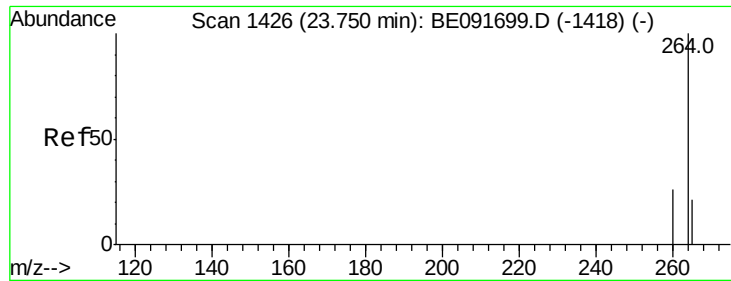


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



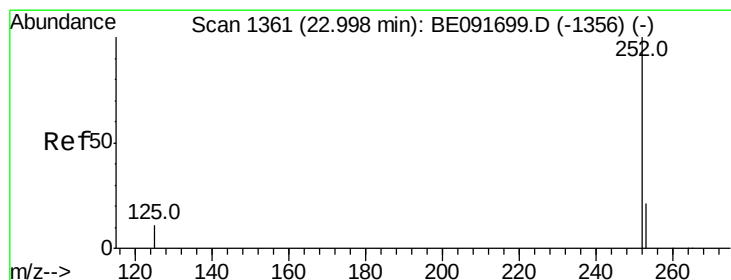
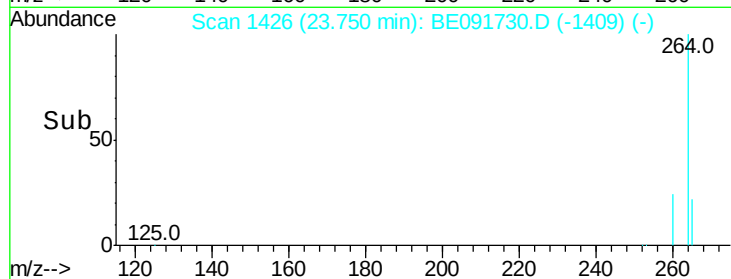
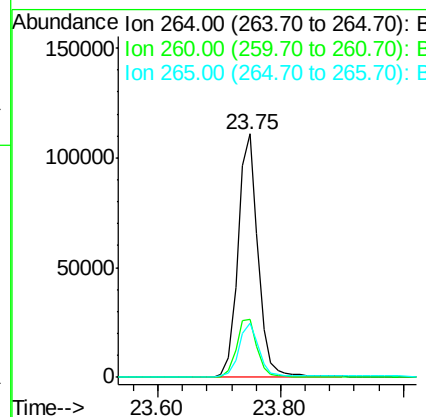
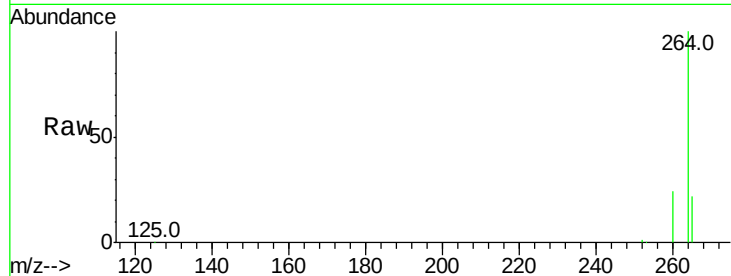


#35  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.75 min Scan# 1426  
Delta R.T. -0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:264 Resp: 251854  

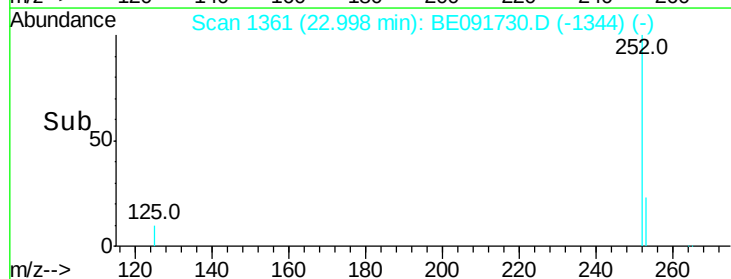
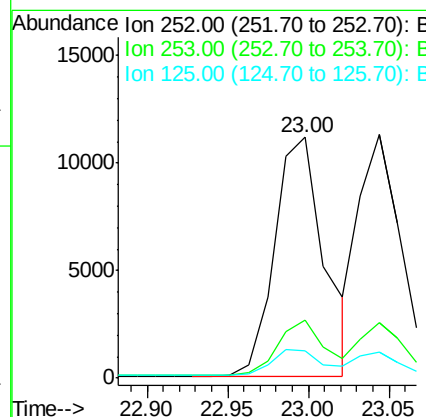
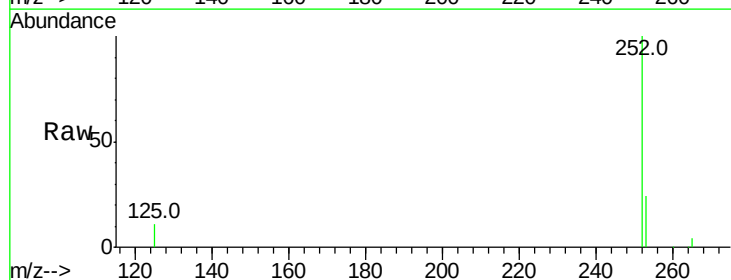
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 20.0  | 30.0  |
| 265 | 22.4  | 17.5  | 26.3  |

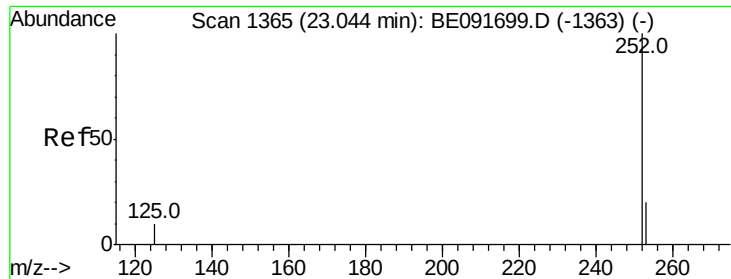


#36  
Benzo(b)fluoranthene  
Concen: 0.40 ng  
RT: 23.00 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: BE091730.D  
Acq: 27 Apr 2016 17:33

Tgt Ion:252 Resp: 23861  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.2  | 17.4  | 26.0  |
| 125 | 11.1  | 10.2  | 15.2  |





#37

Benzo(k)fluoranthene

Concen: 0.35 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

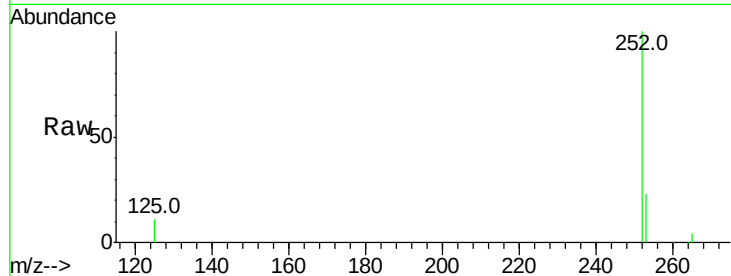
Tot Ion:252 Resp: 21293

Ion Ratio Lower Upper

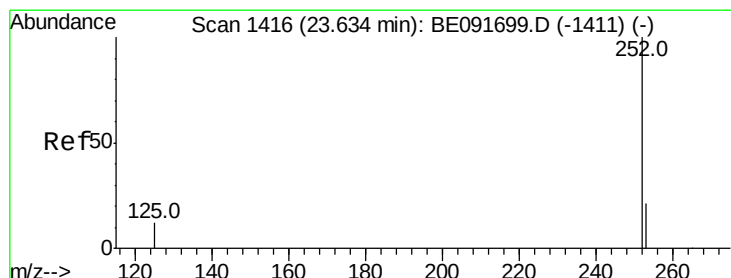
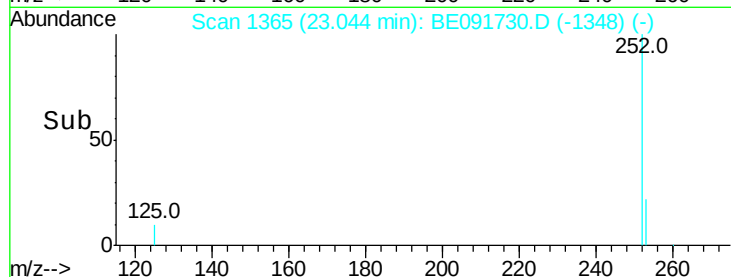
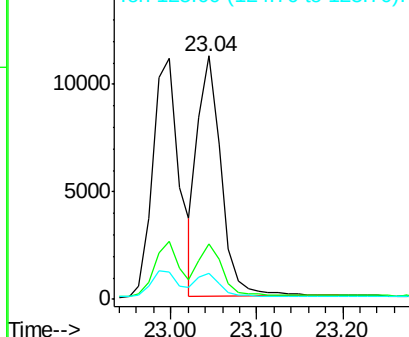
252 100

253 22.6 17.6 26.4

125 10.9 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 0.36 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

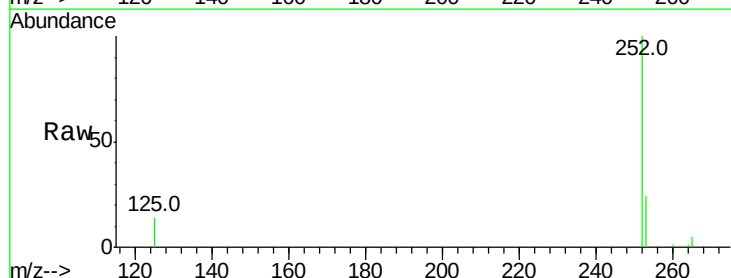
Tgt Ion:252 Resp: 19959

Ion Ratio Lower Upper

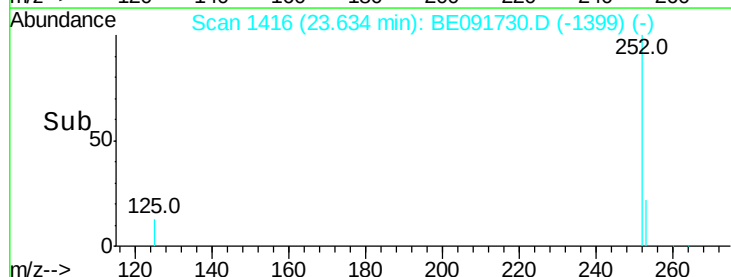
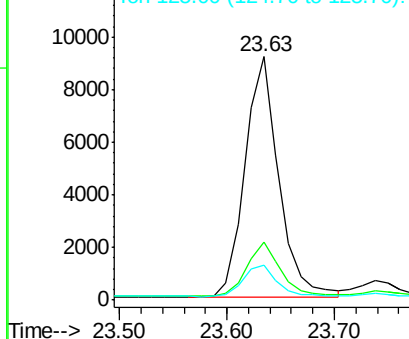
252 100

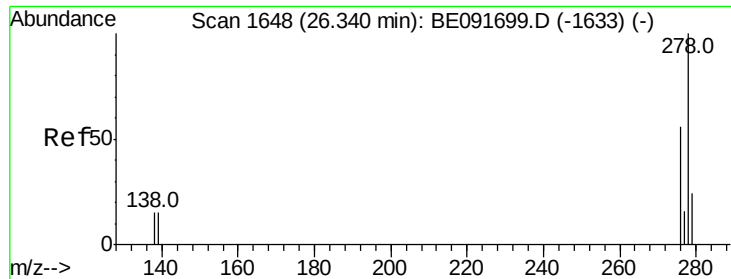
253 23.8 18.1 27.1

125 14.2 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

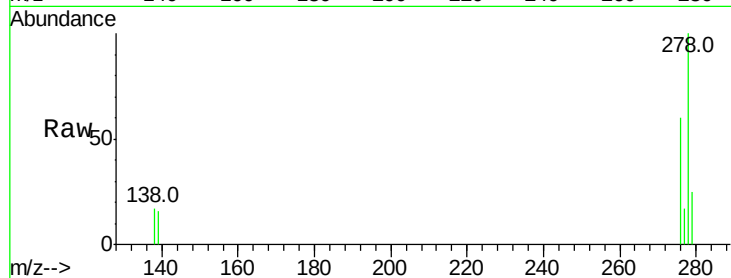
Tot Ion:278 Resp: 19727

Ion Ratio Lower Upper

278 100

139 16.0 16.0 24.0

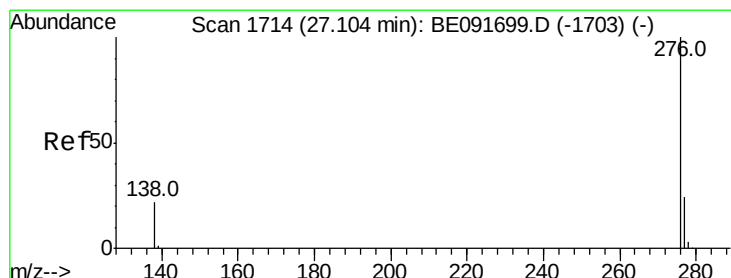
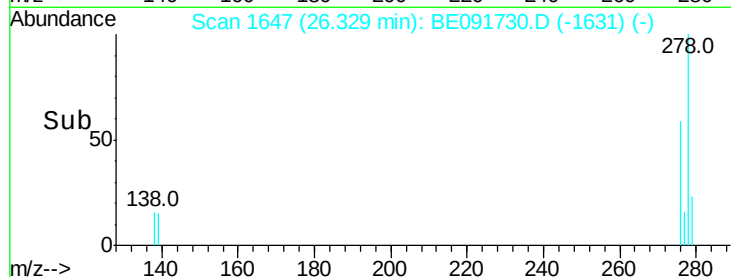
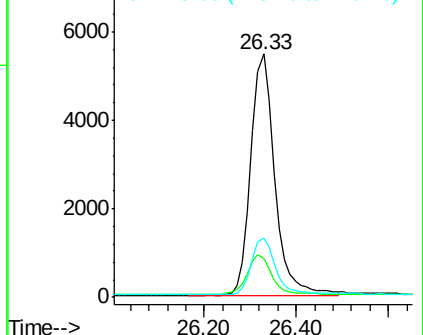
279 24.5 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 0.37 ng

RT: 27.08 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE091730.D

Acq: 27 Apr 2016 17:33

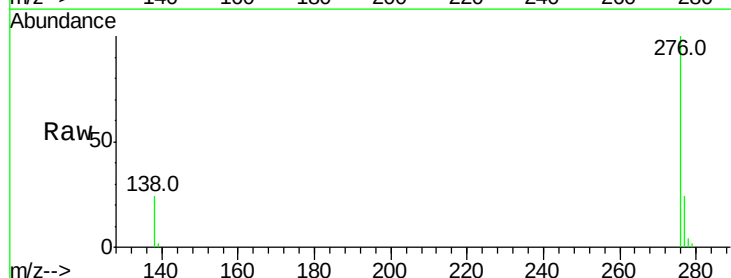
Tgt Ion:276 Resp: 19814

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 23.6 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

